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

Cover Page

Order ID : Q1122

Project ID : NWIRP Bethpage 112G08005-WE13

Client : Tetra Tech NUS, Inc.

Lab Sample Number	Client Sample Number
Q1122-01	RW10A-20250116
Q1122-02	RW10A-F-20250116

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: 1/24/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

Tetra Tech NUS, Inc.
Project Name: NWIRP Bethpage 112G08005-WE13
Project Manager: Ernie Wu
Chemtech Project # Q1122
Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:
2 Water samples were received on 01/16/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Alkalinity, Dissolved ICP-TAL Metals, Dissolved Mercury, DISSOLVED METALS-TAL, Mercury, Metals ICP-TAL, METALS-TAL, PCB, PESTICIDE Group2, Pesticide-PCB, Pesticide-TCL, pH, Phosphorus-Total, SVOC-TCL BNA -20, TDS and TSS. This data package contains results for SVOC-TCL BNA -20.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_F using GC Column DB-UI 8270D which is 20 meters, 0.18 mm ID, 0.36 um dfThe analysis of SVOC-TCL BNA -20 was based on method 8270E and extraction was done based on method 3510.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The RPD met criteria .

The Blank Spike for {PB166117BS} with File ID: BF141218.D met requirements for all samples except for Hexachlorocyclopentadiene[190%] but no positive hit in associated sample therefore no corrective action taken.

The Blank Spike Duplicate for {PB166117BSD} with File ID: BF141219.D met requirements for all samples except for Hexachlorocyclopentadiene[190%] but no positive hit in associated sample therefore no corrective action taken.

The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .

The Continuous Calibration File ID BF141212.D met the requirements except for 4,6-Dinitro-2-methylphenol but no positive hit in associated sample therefore no corrective action taken.

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The Tuning criteria met requirements.

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

The Form 6 is not included in the data package because the Initial Calibration was performed using 8 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 <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

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

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

Signature_____

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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: Q1122 MATRIX: Water

METHOD: 8270E/3510

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications. DFTPP Meet Criteria. (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed within 30 days before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements.		✓	
	The Initial Calibration met the requirements .			
	The Continuous Calibration File ID BF141212.D met the requirements except for 4,6-Dinitro-2-methylphenol but no positive hit in associated sample therefore no corrective action 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.			
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria		✓	
	If not met, list those compounds and their recoveries which fall outside the acceptable range.			
	The Blank Spike for {PB166117BS} with File ID: BF141218.D met requirements for all samples except for Hexachlorocyclopentadiene[190%] but no positive hit in associated sample therefore no corrective action taken.			
	The Blank Spike Duplicate for {PB166117BSD} with File ID: BF141219.D met requirements for all samples except for Hexachlorocyclopentadiene[190%] but no positive hit in associated sample therefore no corrective action taken.			

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

		NA	NO	YES
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 laboratory certifies that the all-electronic diskette deliverable exactly match the data summary forms (i.e. Form Is).

The Form 6 is not included in the data package because the Initial Calibration was performed using 8 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 <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

_____ _____

QA REVIEW Date

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q1122**

	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:** **01/24/2025**

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LAB CHRONICLE

OrderID:	Q1122	**OrderDate:**	1/17/2025 8:43:00 AM
Client:	Tetra Tech NUS, Inc.	**Project:**	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	**Location:**	E11,M11

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1122-01	**RW10A-20250116**	**Water**			**01/16/25**			**01/16/25**
			SVOC-TCL BNA -20	8270E		01/17/25	01/20/25	

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Hit Summary Sheet
SW-846

SDG No.: Q1122

Client: Tetra Tech NUS, Inc.

Sample ID	Client ID		Parameter	Concentration	C	MDL	LOD	RDL	Units
Client ID :	**RW10A-20250116**								
Q1122-01	RW10A-20250116	WATER	2-Pentanone, 4-hydroxy-4-methyl *	3.700	AB	0		0	ug/L
			Total Tics :		**3.70**				
			Total Concentration:		**3.70**				



QC SUMMARY

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Surrogate Summary

SW-846

SDG No.: Q1122

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB166117BL	PB166117BL	2-Fluorophenol	150	144	96		19	119
		Phenol-d6	150	141	94		10	130
		Nitrobenzene-d5	100	97.8	98		44	120
		2-Fluorobiphenyl	100	98.6	99		44	119
		2,4,6-Tribromophenol	150	162	108		43	140
		Terphenyl-d14	100	92.3	92		50	134
PB166117BS	PB166117BS	2-Fluorophenol	150	136	91		19	119
		Phenol-d6	150	135	90		10	130
		Nitrobenzene-d5	100	94.7	95		44	120
		2-Fluorobiphenyl	100	95.4	95		44	119
		2,4,6-Tribromophenol	150	157	105		43	140
		Terphenyl-d14	100	96.5	97		50	134
PB166117BSD	PB166117BSD	2-Fluorophenol	150	134	90		19	119
		Phenol-d6	150	135	90		10	130
		Nitrobenzene-d5	100	96.2	96		44	120
		2-Fluorobiphenyl	100	96.2	96		44	119
		2,4,6-Tribromophenol	150	160	106		43	140
		Terphenyl-d14	100	99.3	99		50	134
Q1122-01	RW10A-20250116	2-Fluorophenol	150	51.2	34		19	119
		Phenol-d6	150	30.6	20		10	130
		Nitrobenzene-d5	100	86.1	86		44	120
		2-Fluorobiphenyl	100	88.3	88		44	119
		2,4,6-Tribromophenol	150	161	107		43	140
		Terphenyl-d14	100	80.4	80		50	134

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1122

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270E **DataFile:** BF141218.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB166117BS	Benzaldehyde	50	8.30	ug/L	17				10	161	
	Phenol	50	48.5	ug/L	97				10	132	
	bis(2-Chloroethyl)ether	50	49.2	ug/L	98				43	118	
	2-Chlorophenol	50	51.1	ug/L	102				38	117	
	2-Methylphenol	50	50.7	ug/L	101				30	117	
	2,2-oxybis(1-Chloropropane)	50	47.1	ug/L	94				37	130	
	Acetophenone	50	47.8	ug/L	96				46	118	
	3+4-Methylphenols	50	48.4	ug/L	97				29	110	
	N-Nitroso-di-n-propylamine	50	49.2	ug/L	98				49	119	
	Hexachloroethane	50	48.5	ug/L	97				21	115	
	Nitrobenzene	50	45.7	ug/L	91				45	121	
	Isophorone	50	49.4	ug/L	99				42	124	
	2-Nitrophenol	50	51.8	ug/L	104				47	123	
	2,4-Dimethylphenol	50	58.3	ug/L	117				31	124	
	bis(2-Chloroethoxy)methane	50	48.3	ug/L	97				48	120	
	2,4-Dichlorophenol	50	50.3	ug/L	101				47	121	
	Naphthalene	50	47.4	ug/L	95				40	121	
	4-Chloroaniline	50	18.2	ug/L	36				33	117	
	Hexachlorobutadiene	50	47.2	ug/L	94				22	124	
	Caprolactam	50	47.5	ug/L	95				10	161	
	4-Chloro-3-methylphenol	50	49.8	ug/L	100				52	119	
	2-Methylnaphthalene	50	48.5	ug/L	97				40	121	
	Hexachlorocyclopentadiene	100	190	ug/L	190		*		10	155	
	2,4,6-Trichlorophenol	50	51.3	ug/L	103				50	125	
	2,4,5-Trichlorophenol	50	49.2	ug/L	98				53	123	
	1,1-Biphenyl	50	48.8	ug/L	98				49	115	
	2-Chloronaphthalene	50	47.0	ug/L	94				40	116	
	2-Nitroaniline	50	49.2	ug/L	98				55	127	
	Dimethylphthalate	50	50.0	ug/L	100				45	127	
	Acenaphthylene	50	51.3	ug/L	103				41	130	
	2,6-Dinitrotoluene	50	48.7	ug/L	97				57	124	
	3-Nitroaniline	50	30.0	ug/L	60				41	128	
	Acenaphthene	50	55.1	ug/L	110				47	122	
	2,4-Dinitrophenol	100	120	ug/L	120				23	143	
	4-Nitrophenol	100	100	ug/L	100				10	161	
	Dibenzofuran	50	48.8	ug/L	98				53	118	
	2,4-Dinitrotoluene	50	51.6	ug/L	103				57	128	
	Diethylphthalate	50	49.5	ug/L	99				56	125	
	4-Chlorophenyl-phenylether	50	49.0	ug/L	98				53	121	
	Fluorene	50	49.0	ug/L	98				52	124	
	4-Nitroaniline	50	49.6	ug/L	99				35	120	
	4,6-Dinitro-2-methylphenol	50	60.4	ug/L	121				44	137	
	N-Nitrosodiphenylamine	50	50.4	ug/L	101				51	123	
	4-Bromophenyl-phenylether	50	50.9	ug/L	102				55	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1122

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270E **DataFile:** BF141218.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB166117BS	Hexachlorobenzene	50	51.4	ug/L	103				53	125	
	Atrazine	50	64.3	ug/L	129				44	142	
	Pentachlorophenol	100	100	ug/L	100				35	138	
	Phenanthrene	50	51.6	ug/L	103				59	120	
	Anthracene	50	53.6	ug/L	107				57	123	
	Carbazole	50	51.3	ug/L	103				60	122	
	Di-n-butylphthalate	50	52.2	ug/L	104				59	127	
	Fluoranthene	50	53.3	ug/L	107				57	128	
	Pyrene	50	46.0	ug/L	92				57	126	
	Butylbenzylphthalate	50	53.8	ug/L	108				53	134	
	3,3-Dichlorobenzidine	50	29.2	ug/L	58				27	129	
	Benzo(a)anthracene	50	47.4	ug/L	95				58	125	
	Chrysene	50	49.7	ug/L	99				59	123	
	bis(2-Ethylhexyl)phthalate	50	54.2	ug/L	108				55	135	
	Di-n-octyl phthalate	50	53.3	ug/L	107				51	140	
	Benzo(b)fluoranthene	50	54.7	ug/L	109				53	131	
	Benzo(k)fluoranthene	50	49.8	ug/L	100				57	129	
	Benzo(a)pyrene	50	55.2	ug/L	110				54	128	
	Indeno(1,2,3-cd)pyrene	50	49.4	ug/L	99				52	134	
	Dibenz(a,h)anthracene	50	48.8	ug/L	98				51	134	
	Benzo(g,h,i)perylene	50	44.9	ug/L	90				50	134	
	1,2,4,5-Tetrachlorobenzene	50	49.3	ug/L	99				35	121	
	1,4-Dioxane	50	41.3	ug/L	83				70	130	
	2,3,4,6-Tetrachlorophenol	50	51.8	ug/L	104				50	128	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1122

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270E **DataFile:** BF141219.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB166117BSD	Benzaldehyde	50	8.20	ug/L	16	1			10	161	20
	Phenol	50	47.7	ug/L	95	2			10	132	20
	bis(2-Chloroethyl)ether	50	48.2	ug/L	96	2			43	118	20
	2-Chlorophenol	50	51.1	ug/L	102	0			38	117	20
	2-Methylphenol	50	50.5	ug/L	101	0			30	117	20
	2,2-oxybis(1-Chloropropane)	50	46.7	ug/L	93	1			37	130	20
	Acetophenone	50	48.3	ug/L	97	1			46	118	20
	3+4-Methylphenols	50	47.8	ug/L	96	1			29	110	20
	N-Nitroso-di-n-propylamine	50	48.4	ug/L	97	2			49	119	20
	Hexachloroethane	50	47.8	ug/L	96	1			21	115	20
	Nitrobenzene	50	46.1	ug/L	92	1			45	121	20
	Isophorone	50	50.4	ug/L	101	2			42	124	20
	2-Nitrophenol	50	53.3	ug/L	107	3			47	123	20
	2,4-Dimethylphenol	50	59.3	ug/L	119	2			31	124	20
	bis(2-Chloroethoxy)methane	50	48.9	ug/L	98	1			48	120	20
	2,4-Dichlorophenol	50	50.9	ug/L	102	1			47	121	20
	Naphthalene	50	48.1	ug/L	96	1			40	121	20
	4-Chloroaniline	50	16.8	ug/L	34	8			33	117	20
	Hexachlorobutadiene	50	48.5	ug/L	97	3			22	124	20
	Caprolactam	50	50.8	ug/L	102	7			10	161	20
	4-Chloro-3-methylphenol	50	50.9	ug/L	102	2			52	119	20
	2-Methylnaphthalene	50	49.6	ug/L	99	2			40	121	20
	Hexachlorocyclopentadiene	100	190	ug/L	190	0	*		10	155	20
	2,4,6-Trichlorophenol	50	52.5	ug/L	105	2			50	125	20
	2,4,5-Trichlorophenol	50	50.4	ug/L	101	2			53	123	20
	1,1-Biphenyl	50	48.9	ug/L	98	0			49	115	20
	2-Chloronaphthalene	50	47.6	ug/L	95	1			40	116	20
	2-Nitroaniline	50	49.5	ug/L	99	1			55	127	20
	Dimethylphthalate	50	50.3	ug/L	101	1			45	127	20
	Acenaphthylene	50	52.1	ug/L	104	2			41	130	20
	2,6-Dinitrotoluene	50	48.7	ug/L	97	0			57	124	20
	3-Nitroaniline	50	29.4	ug/L	59	2			41	128	20
	Acenaphthene	50	55.9	ug/L	112	1			47	122	20
	2,4-Dinitrophenol	100	120	ug/L	120	0			23	143	20
	4-Nitrophenol	100	100	ug/L	100	0			10	161	20
	Dibenzofuran	50	49.6	ug/L	99	2			53	118	20
	2,4-Dinitrotoluene	50	51.7	ug/L	103	0			57	128	20
	Diethylphthalate	50	49.8	ug/L	100	1			56	125	20
	4-Chlorophenyl-phenylether	50	49.4	ug/L	99	1			53	121	20
	Fluorene	50	49.3	ug/L	99	1			52	124	20
	4-Nitroaniline	50	51.2	ug/L	102	3			35	120	20
	4,6-Dinitro-2-methylphenol	50	60.8	ug/L	122	1			44	137	20
	N-Nitrosodiphenylamine	50	50.2	ug/L	100	0			51	123	20
	4-Bromophenyl-phenylether	50	51.2	ug/L	102	1			55	124	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1122

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270E **DataFile:** BF141219.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB166117BSD	Hexachlorobenzene	50	51.6	ug/L	103	0			53	125	20
	Atrazine	50	63.9	ug/L	128	1			44	142	20
	Pentachlorophenol	100	100	ug/L	100	0			35	138	20
	Phenanthrene	50	51.6	ug/L	103	0			59	120	20
	Anthracene	50	54.1	ug/L	108	1			57	123	20
	Carbazole	50	51.7	ug/L	103	1			60	122	20
	Di-n-butylphthalate	50	51.5	ug/L	103	1			59	127	20
	Fluoranthene	50	53.3	ug/L	107	0			57	128	20
	Pyrene	50	48.0	ug/L	96	4			57	126	20
	Butylbenzylphthalate	50	54.8	ug/L	110	2			53	134	20
	3,3-Dichlorobenzidine	50	29.2	ug/L	58	0			27	129	20
	Benzo(a)anthracene	50	48.7	ug/L	97	3			58	125	20
	Chrysene	50	49.8	ug/L	100	0			59	123	20
	bis(2-Ethylhexyl)phthalate	50	55.1	ug/L	110	2			55	135	20
	Di-n-octyl phthalate	50	52.2	ug/L	104	2			51	140	20
	Benzo(b)fluoranthene	50	48.8	ug/L	98	11			53	131	20
	Benzo(k)fluoranthene	50	56.1	ug/L	112	12			57	129	20
	Benzo(a)pyrene	50	55.5	ug/L	111	1			54	128	20
	Indeno(1,2,3-cd)pyrene	50	51.3	ug/L	103	4			52	134	20
	Dibenz(a,h)anthracene	50	50.8	ug/L	102	4			51	134	20
	Benzo(g,h,i)perylene	50	45.8	ug/L	92	2			50	134	20
	1,2,4,5-Tetrachlorobenzene	50	50.2	ug/L	100	2			35	121	20
	1,4-Dioxane	50	40.5	ug/L	81	2			70	130	20
	2,3,4,6-Tetrachlorophenol	50	53.4	ug/L	107	3			50	128	20

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB166117BL

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1122 SAS No.: Q1122 SDG NO.: Q1122

Lab File ID: BF141217.D Lab Sample ID: PB166117BL

Instrument ID: BNA_F Date Extracted: 01/17/2025

Matrix: (soil/water) Water Date Analyzed: 01/20/2025

Level: (low/med) LOW Time Analyzed: 12:49

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB166117BS	PB166117BS	BF141218.D	01/20/2025
PB166117BSD	PB166117BSD	BF141219.D	01/20/2025
RW10A-20250116	Q1122-01	BF141221.D	01/20/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM SAS No.: Q1122 SDG NO.: Q1122

Lab File ID: BF141108.D DFTPP Injection Date: 01/10/2025

Instrument ID: BNA_F DFTPP Injection Time: 11:32

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	39.2
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	38
70	Less than 2.0% of mass 69	0.3 (0.7) 1
127	10.0 - 80.0% of mass 198	49.8
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	27.9
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	13.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	17.1 (19.4) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF141109.D	01/10/2025	11:58
SSTDICC005	SSTDICC005	BF141110.D	01/10/2025	12:25
SSTDICC010	SSTDICC010	BF141111.D	01/10/2025	13:17
SSTDICC020	SSTDICC020	BF141112.D	01/10/2025	14:10
SSTDICCC040	SSTDICCC040	BF141113.D	01/10/2025	14:36
SSTDICC050	SSTDICC050	BF141117.D	01/10/2025	16:53
SSTDICC060	SSTDICC060	BF141118.D	01/10/2025	17:19
SSTDICC080	SSTDICC080	BF141119.D	01/10/2025	17:45

Raw Data: **BF141211.D**

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM SAS No.: Q1122 SDG NO.: Q1122

Lab File ID: BF141211.D DFTPP Injection Date: 01/20/2025

Instrument ID: BNA_F DFTPP Injection Time: 09:40

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	33.5
68	Less than 2.0% of mass 69	0.6 (2) 1
69	Mass 69 relative abundance	34.3
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	47.0
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	6.4
275	10.0 - 60.0% of mass 198	30.5
365	Greater than 1% of mass 198	4.1
441	Present, but less than mass 443	17.7
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.5 (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	BF141212.D	01/20/2025	10:37
PB166117BL	PB166117BL	BF141217.D	01/20/2025	12:49
PB166117BS	PB166117BS	BF141218.D	01/20/2025	13:15
PB166117BSD	PB166117BSD	BF141219.D	01/20/2025	13:41
RW10A-20250116	Q1122-01	BF141221.D	01/20/2025	14:39
SSTDCCC040EC	SSTDCCC040	BF141226.D	01/20/2025	16:58

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1122 SAS No.: Q1122 SDG NO.: Q1122

EPA Sample No.: SSTDCCC040 Date Analyzed: 01/20/2025

Lab File ID: BF141212.D Time Analyzed: 10:37

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	179826	6.81	695851	8.09	379338	9.85
	UPPER LIMIT	359652	7.31	1391700	8.592	758676	10.351
	LOWER LIMIT	89913	6.31	347926	7.592	189669	9.351
	EPA SAMPLE NO.						
01	PB166117BL	159319	6.81	644023	8.09	342991	9.85
02	PB166117BS	161782	6.81	655900	8.09	349277	9.85
03	PB166117BSD	161581	6.81	633827	8.09	339384	9.85
04	RW10A-20250116	158020	6.81	629982	8.09	340789	9.85

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.: Q1122 SAS No.: Q1122 SDG NO.: Q1122

EPA Sample No.: SSTDCCC040 Date Analyzed: 01/20/2025

Lab File ID: BF141212.D Time Analyzed: 10:37

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	651777	11.333	435133	13.974	378255	15.439
	UPPER LIMIT	1303550	11.833	870266	14.474	756510	15.939
	LOWER LIMIT	325889	10.833	217567	13.474	189128	14.939
	EPA SAMPLE NO.						
01	PB166117BL	588711	11.33	419427	13.97	332363	15.43
02	PB166117BS	596700	11.33	391687	13.97	341954	15.43
03	PB166117BSD	582564	11.33	369711	13.97	327689	15.43
04	RW10A-20250116	587345	11.33	416765	13.97	333314	15.43

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: **BF141221.D**

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	01/16/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	01/16/25
Client Sample ID:	RW10A-20250116	SDG No.:	Q1122
Lab Sample ID:	Q1122-01	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141221.D	1	01/17/25 11:40	01/20/25 14:39	PB166117

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	8.10	U	4.00	8.10	10.1	ug/L
108-95-2	Phenol	4.00	U	0.94	4.00	5.10	ug/L
111-44-4	bis(2-Chloroethyl)ether	4.00	U	1.20	4.00	5.10	ug/L
95-57-8	2-Chlorophenol	4.00	U	0.72	4.00	5.10	ug/L
95-48-7	2-Methylphenol	4.00	U	1.10	4.00	5.10	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	4.00	U	1.40	4.00	5.10	ug/L
98-86-2	Acetophenone	4.00	U	1.10	4.00	5.10	ug/L
65794-96-9	3+4-Methylphenols	8.10	U	1.20	8.10	10.1	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.50	U	1.50	2.50	2.50	ug/L
67-72-1	Hexachloroethane	4.00	U	1.00	4.00	5.10	ug/L
98-95-3	Nitrobenzene	4.00	U	1.30	4.00	5.10	ug/L
78-59-1	Isophorone	4.00	U	1.20	4.00	5.10	ug/L
88-75-5	2-Nitrophenol	4.00	U	2.00	4.00	5.10	ug/L
105-67-9	2,4-Dimethylphenol	4.00	U	1.50	4.00	5.10	ug/L
111-91-1	bis(2-Chloroethoxy)methane	4.00	U	1.00	4.00	5.10	ug/L
120-83-2	2,4-Dichlorophenol	4.00	U	0.89	4.00	5.10	ug/L
91-20-3	Naphthalene	4.00	U	1.00	4.00	5.10	ug/L
106-47-8	4-Chloroaniline	4.00	U	1.30	4.00	5.10	ug/L
87-68-3	Hexachlorobutadiene	4.00	U	1.30	4.00	5.10	ug/L
105-60-2	Caprolactam	8.10	U	1.70	8.10	10.1	ug/L
59-50-7	4-Chloro-3-methylphenol	4.00	U	0.85	4.00	5.10	ug/L
91-57-6	2-Methylnaphthalene	4.00	U	1.10	4.00	5.10	ug/L
77-47-4	Hexachlorocyclopentadiene	8.10	UQ	5.10	8.10	10.1	ug/L
88-06-2	2,4,6-Trichlorophenol	4.00	U	0.90	4.00	5.10	ug/L
95-95-4	2,4,5-Trichlorophenol	4.00	U	1.00	4.00	5.10	ug/L
92-52-4	1,1-Biphenyl	4.00	U	0.92	4.00	5.10	ug/L
91-58-7	2-Chloronaphthalene	4.00	U	0.98	4.00	5.10	ug/L
88-74-4	2-Nitroaniline	4.00	U	1.40	4.00	5.10	ug/L
131-11-3	Dimethylphthalate	4.00	U	0.94	4.00	5.10	ug/L

Raw Data: **BF141221.D**

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	01/16/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	01/16/25
Client Sample ID:	RW10A-20250116	SDG No.:	Q1122
Lab Sample ID:	Q1122-01	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141221.D	1	01/17/25 11:40	01/20/25 14:39	PB166117

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	4.00	U	1.10	4.00	5.10	ug/L
606-20-2	2,6-Dinitrotoluene	4.00	U	1.30	4.00	5.10	ug/L
99-09-2	3-Nitroaniline	4.00	U	1.40	4.00	5.10	ug/L
83-32-9	Acenaphthene	4.00	U	0.82	4.00	5.10	ug/L
51-28-5	2,4-Dinitrophenol	8.10	U	6.50	8.10	10.1	ug/L
100-02-7	4-Nitrophenol	8.10	U	2.00	8.10	10.1	ug/L
132-64-9	Dibenzofuran	4.00	U	0.94	4.00	5.10	ug/L
121-14-2	2,4-Dinitrotoluene	4.00	U	1.50	4.00	5.10	ug/L
84-66-2	Diethylphthalate	4.00	U	1.10	4.00	5.10	ug/L
7005-72-3	4-Chlorophenyl-phenylether	4.00	U	0.99	4.00	5.10	ug/L
86-73-7	Fluorene	4.00	U	0.97	4.00	5.10	ug/L
100-01-6	4-Nitroaniline	4.00	U	2.10	4.00	5.10	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	8.10	U	3.10	8.10	10.1	ug/L
86-30-6	n-Nitrosodiphenylamine	4.00	U	0.90	4.00	5.10	ug/L
101-55-3	4-Bromophenyl-phenylether	4.00	U	0.96	4.00	5.10	ug/L
118-74-1	Hexachlorobenzene	4.00	U	1.20	4.00	5.10	ug/L
1912-24-9	Atrazine	4.00	U	1.30	4.00	5.10	ug/L
87-86-5	Pentachlorophenol	8.10	U	1.90	8.10	10.1	ug/L
85-01-8	Phenanthrene	4.00	U	0.90	4.00	5.10	ug/L
120-12-7	Anthracene	4.00	U	1.10	4.00	5.10	ug/L
86-74-8	Carbazole	4.00	U	1.20	4.00	5.10	ug/L
84-74-2	Di-n-butylphthalate	4.00	U	1.50	4.00	5.10	ug/L
206-44-0	Fluoranthene	4.00	U	1.30	4.00	5.10	ug/L
129-00-0	Pyrene	4.00	U	1.10	4.00	5.10	ug/L
85-68-7	Butylbenzylphthalate	4.00	U	2.10	4.00	5.10	ug/L
91-94-1	3,3-Dichlorobenzidine	8.10	U	1.30	8.10	10.1	ug/L
56-55-3	Benzo(a)anthracene	4.00	U	0.95	4.00	5.10	ug/L
218-01-9	Chrysene	4.00	U	0.87	4.00	5.10	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	4.00	U	1.90	4.00	5.10	ug/L
117-84-0	Di-n-octyl phthalate	8.10	U	2.50	8.10	10.1	ug/L
205-99-2	Benzo(b)fluoranthene	4.00	U	1.20	4.00	5.10	ug/L

Raw Data: **BF141221.D**

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	01/16/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	01/16/25
Client Sample ID:	RW10A-20250116	SDG No.:	Q1122
Lab Sample ID:	Q1122-01	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141221.D	1	01/17/25 11:40	01/20/25 14:39	PB166117

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	4.00	U	1.20	4.00	5.10	ug/L
50-32-8	Benzo(a)pyrene	4.00	U	1.70	4.00	5.10	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	4.00	U	1.00	4.00	5.10	ug/L
53-70-3	Dibenzo(a,h)anthracene	4.00	U	1.20	4.00	5.10	ug/L
191-24-2	Benzo(g,h,i)perylene	4.00	U	1.20	4.00	5.10	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	4.00	U	1.10	4.00	5.10	ug/L
123-91-1	1,4-Dioxane	4.00	U	1.30	4.00	5.10	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	4.00	U	0.80	4.00	5.10	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	51.2		19 - 119		34%	SPK: 150
13127-88-3	Phenol-d6	30.6		10 - 130		20%	SPK: 150
4165-60-0	Nitrobenzene-d5	86.1		44 - 120		86%	SPK: 100
321-60-8	2-Fluorobiphenyl	88.3		44 - 119		88%	SPK: 100
118-79-6	2,4,6-Tribromophenol	161		43 - 140		107%	SPK: 150
1718-51-0	Terphenyl-d14	80.4		50 - 134		80%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	158000	6.81				
1146-65-2	Naphthalene-d8	630000	8.092				
15067-26-2	Acenaphthene-d10	341000	9.845				
1517-22-2	Phenanthrene-d10	587000	11.327				
1719-03-5	Chrysene-d12	417000	13.968				
1520-96-3	Perylene-d12	333000	15.427				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	3.70	AB			5.01	ug/L

Raw Data: **BF141221.D**

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Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	01/16/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	01/16/25
Client Sample ID:	RW10A-20250116	SDG No.:	Q1122
Lab Sample ID:	Q1122-01	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	990 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141221.D	1	01/17/25 11:40	01/20/25 14:39	PB166117

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\BF012025\
Data File : BF141221.D
Acq On : 20 Jan 2025 14:39
Operator : RC/JU
Sample : Q1122-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RW10A-20250116

Quant Time: Jan 20 15:36:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

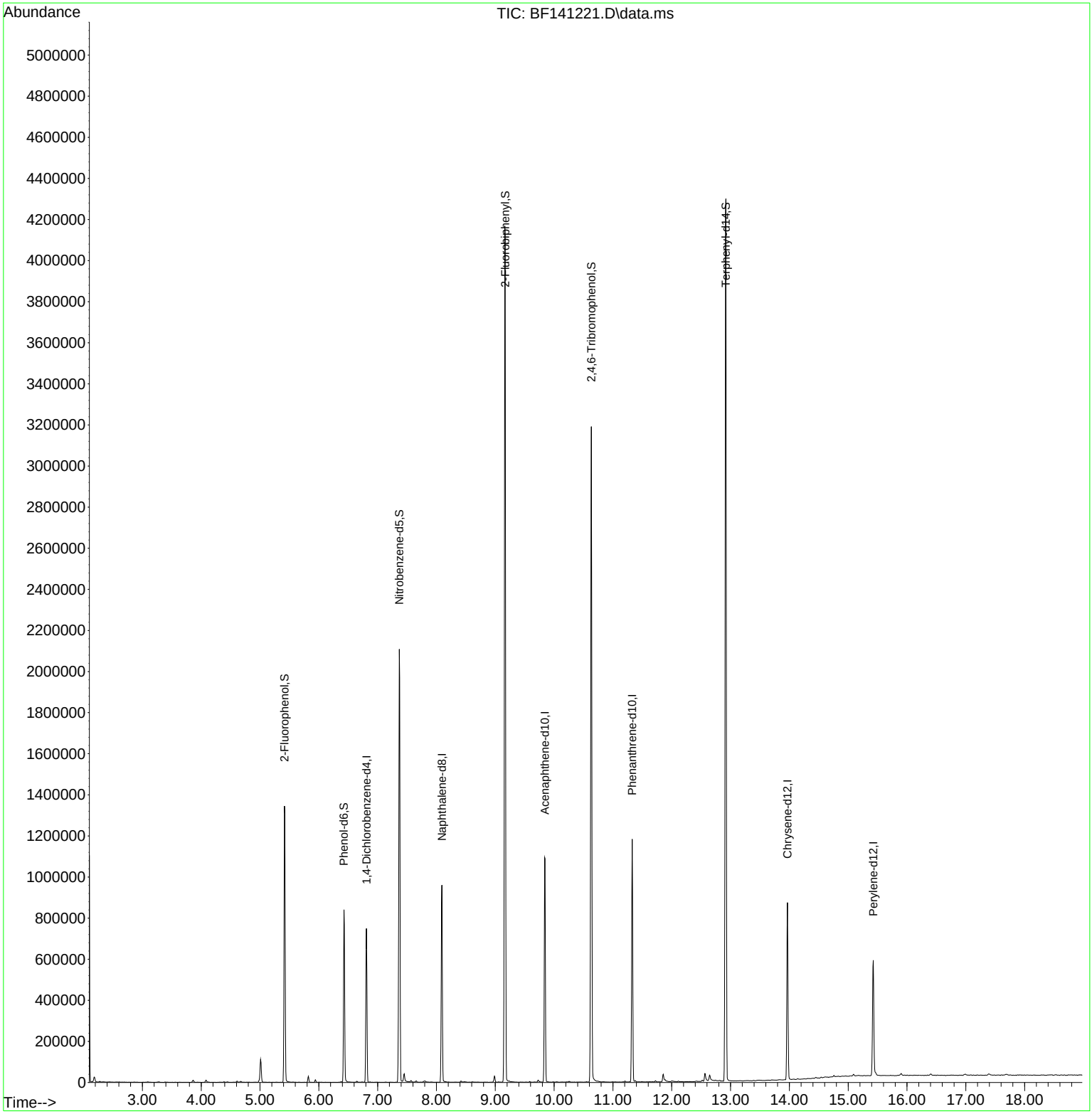
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	158020	20.000	ng	-0.01
21) Naphthalene-d8	8.092	136	629982	20.000	ng	-0.01
39) Acenaphthene-d10	9.845	164	340789	20.000	ng	-0.02
64) Phenanthrene-d10	11.327	188	587345	20.000	ng	-0.02
76) Chrysene-d12	13.968	240	416765	20.000	ng	-0.02
86) Perylene-d12	15.427	264	333314	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	524162	51.242	ng	-0.01
7) Phenol-d6	6.428	99	396612	30.609	ng	-0.02
23) Nitrobenzene-d5	7.369	82	1023619	86.130	ng	-0.02
42) 2,4,6-Tribromophenol	10.633	330	625837	161.171	ng	-0.02
45) 2-Fluorobiphenyl	9.169	172	1970217	88.284	ng	-0.01
79) Terphenyl-d14	12.921	244	2253407	80.363	ng	-0.01
Target Compounds						Qvalue

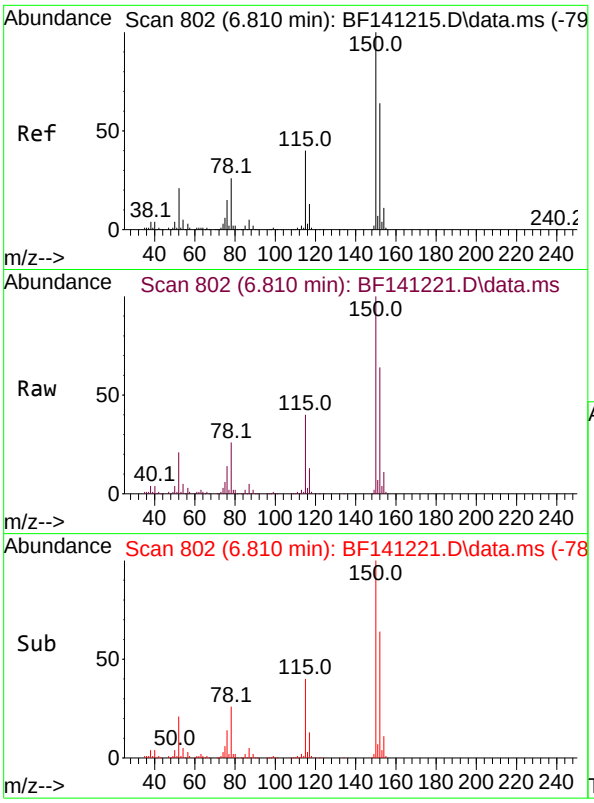
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141221.D
Acq On : 20 Jan 2025 14:39
Operator : RC/JU
Sample : Q1122-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RW10A-20250116

Quant Time: Jan 20 15:36:52 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration



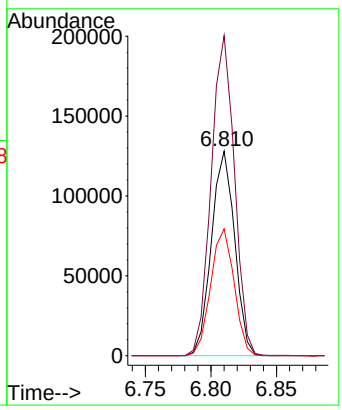


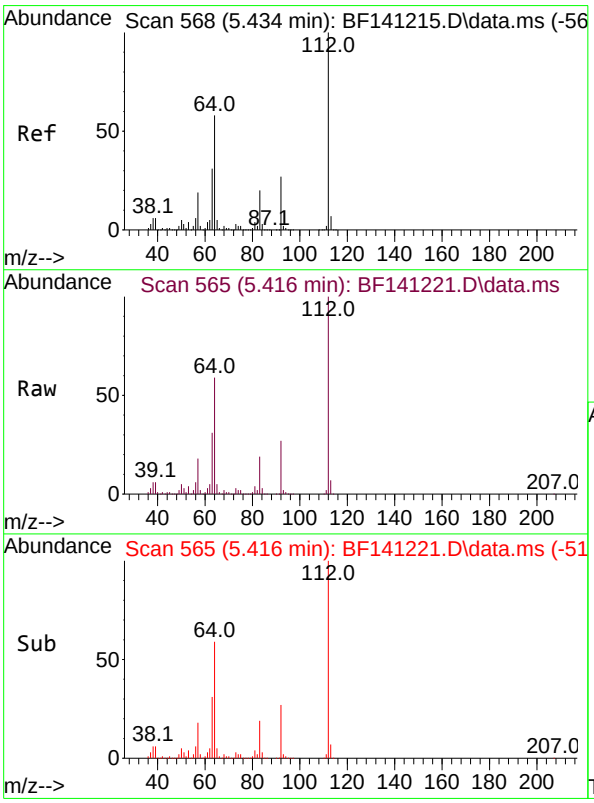
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141221.D
Acq: 20 Jan 2025 14:39

Instrument :
BNA_F
ClientSampleId :
RW10A-20250116

Tgt Ion:152 Resp: 158020

Ion	Ratio	Lower	Upper
152	100		
150	156.5	125.8	188.8
115	61.9	51.4	77.2

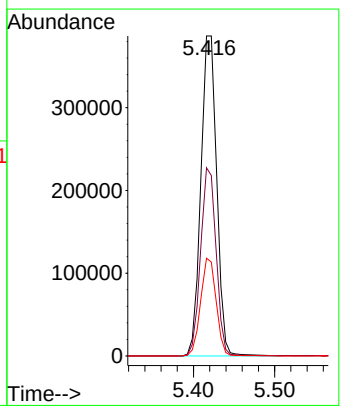


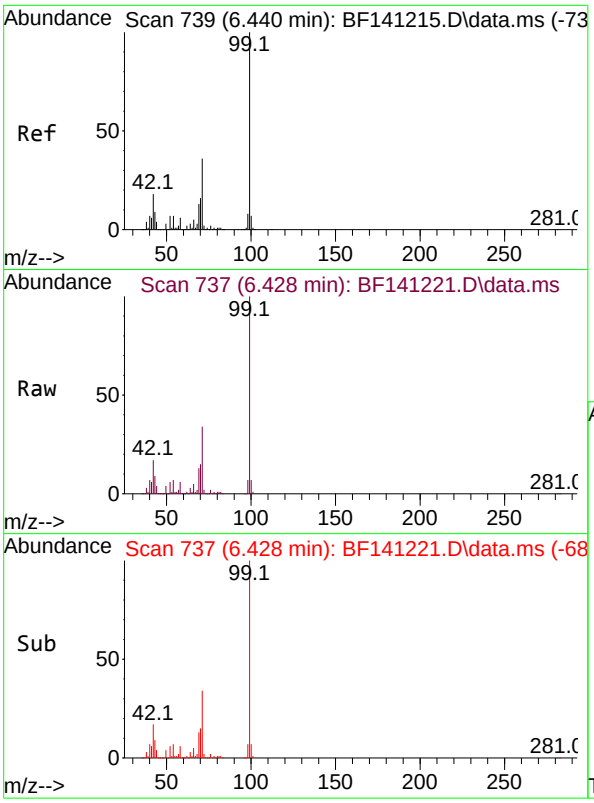


#5
2-Fluorophenol
Concen: 51.242 ng
RT: 5.416 min Scan# 565
Delta R.T. -0.012 min
Lab File: BF141221.D
Acq: 20 Jan 2025 14:39

Tgt Ion:112 Resp: 524162

Ion	Ratio	Lower	Upper
112	100		
64	58.8	47.3	70.9
63	30.5	24.2	36.2



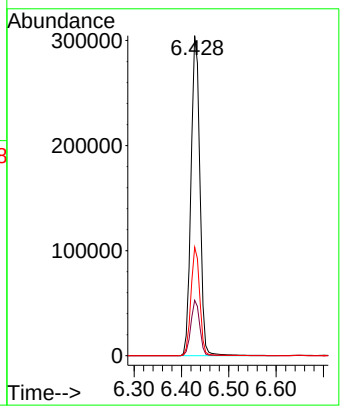


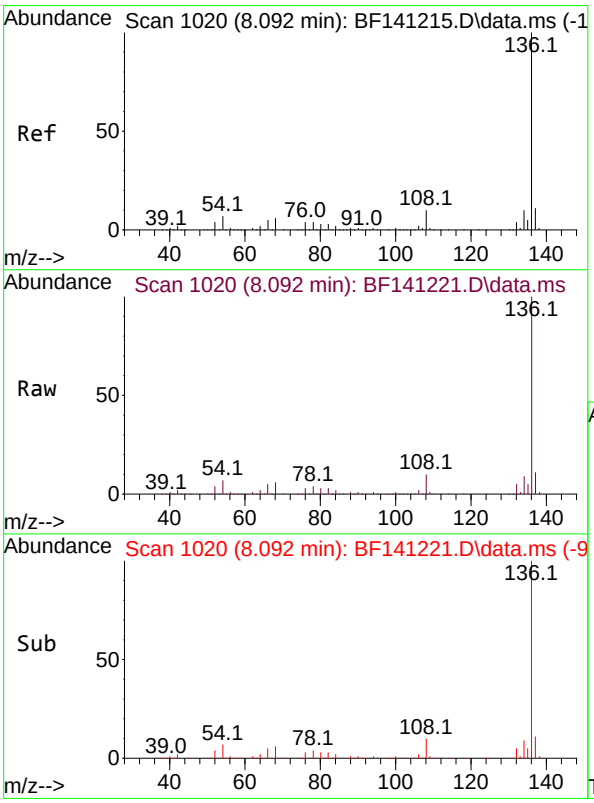
#7
Phenol-d6
Concen: 30.609 ng
RT: 6.428 min Scan# 7
Delta R.T. -0.018 min
Lab File: BF141221.D
Acq: 20 Jan 2025 14:39

Instrument :
BNA_F
ClientSampleId :
RW10A-20250116

Tgt Ion: 99 Resp: 396612

Ion	Ratio	Lower	Upper
99	100		
42	17.3	15.0	22.4
71	33.9	27.6	41.4

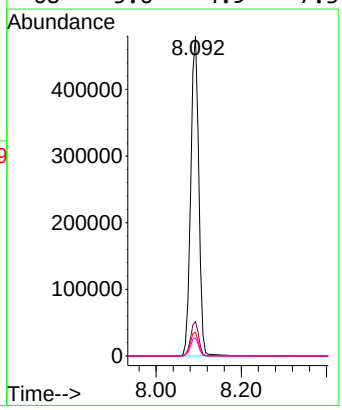


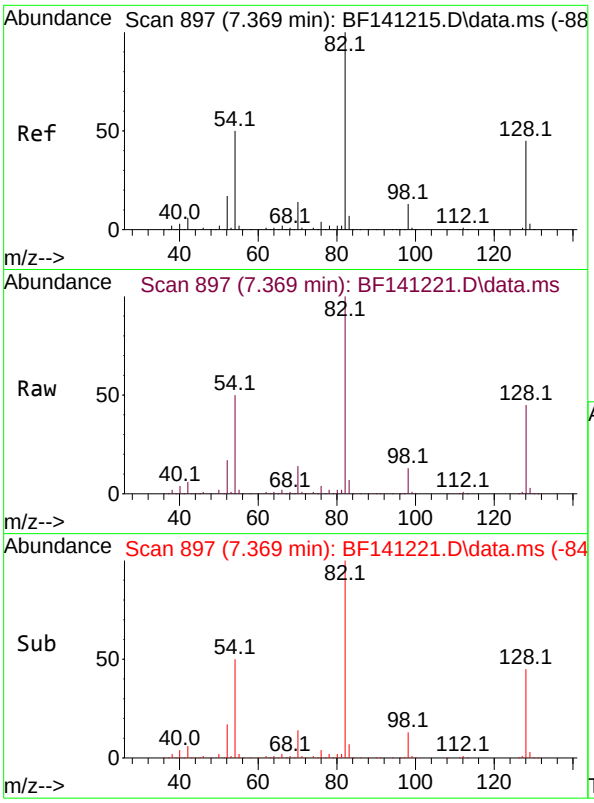


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 1020
Delta R.T. -0.012 min
Lab File: BF141221.D
Acq: 20 Jan 2025 14:39

Tgt Ion:136 Resp: 629982

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	7.4	6.3	9.5
68	5.6	4.9	7.3



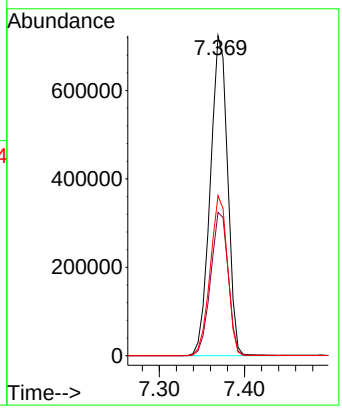


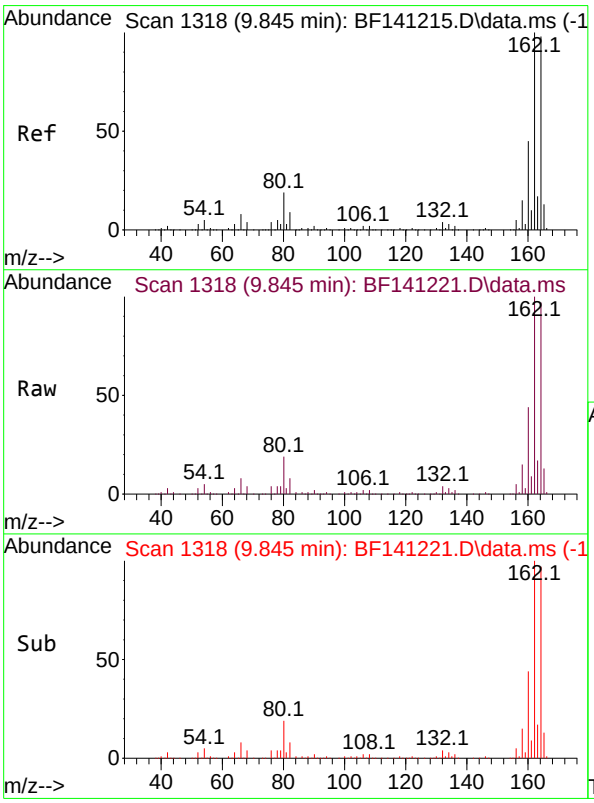
#23
Nitrobenzene-d5
Concen: 86.130 ng
RT: 7.369 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141221.D
Acq: 20 Jan 2025 14:39

Instrument :
BNA_F
ClientSampleId :
RW10A-20250116

Tgt Ion: 82 Resp: 1023619

Ion	Ratio	Lower	Upper
82	100		
128	44.8	36.1	54.1
54	50.0	41.0	61.4

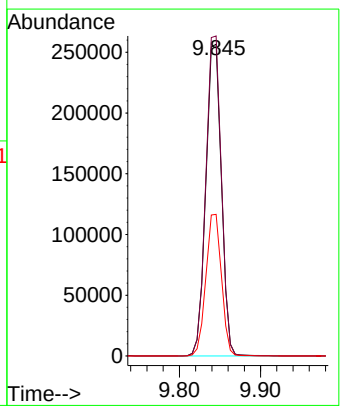


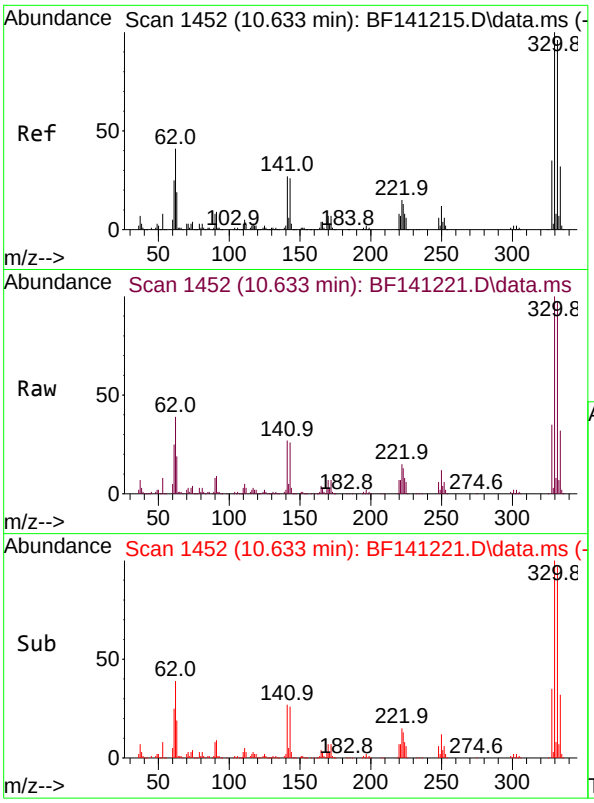


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.845 min Scan# 1318
Delta R.T. -0.018 min
Lab File: BF141221.D
Acq: 20 Jan 2025 14:39

Tgt Ion:164 Resp: 340789

Ion	Ratio	Lower	Upper
164	100		
162	102.7	81.0	121.4
160	45.5	36.1	54.1



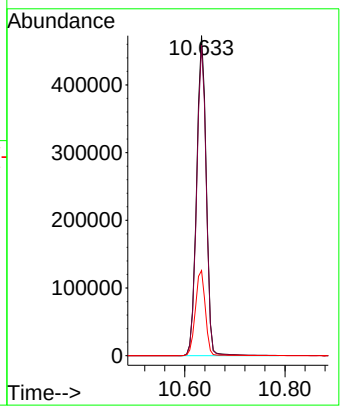


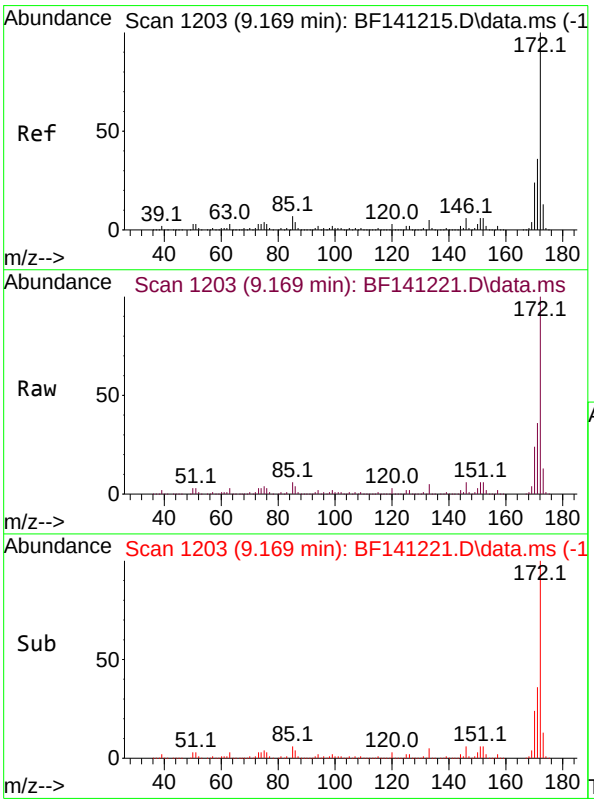
#42
2,4,6-Tribromophenol
Concen: 161.171 ng
RT: 10.633 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF141221.D
Acq: 20 Jan 2025 14:39

Instrument :
BNA_F
ClientSampleId :
RW10A-20250116

Tgt Ion:330 Resp: 625837

Ion	Ratio	Lower	Upper
330	100		
332	96.7	76.9	115.3
141	27.7	25.2	37.8

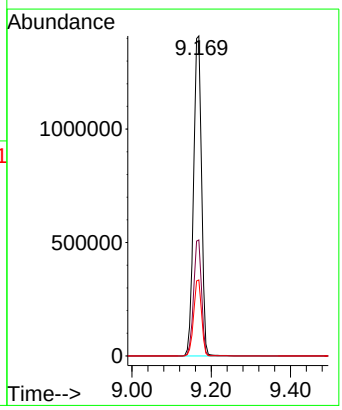


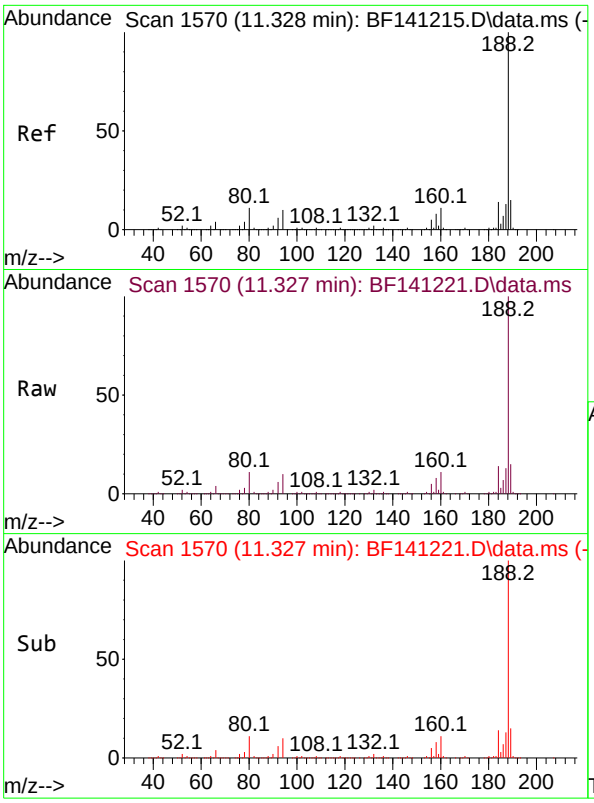


#45
2-Fluorobiphenyl
Concen: 88.284 ng
RT: 9.169 min Scan# 1203
Delta R.T. -0.012 min
Lab File: BF141221.D
Acq: 20 Jan 2025 14:39

Tgt Ion:172 Resp: 1970217

Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.7	43.1
170	23.7	19.0	28.6



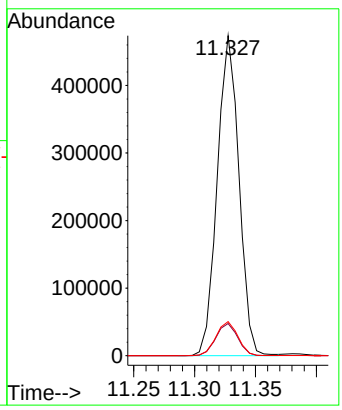


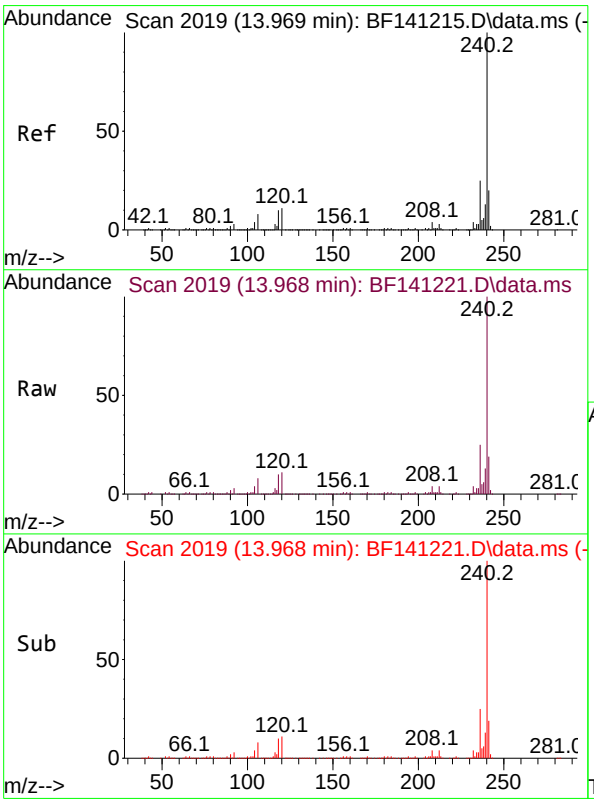
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141221.D
Acq: 20 Jan 2025 14:39

Instrument :
BNA_F
ClientSampleId :
RW10A-20250116

Tgt Ion:188 Resp: 587345

Ion	Ratio	Lower	Upper
188	100		
94	10.0	8.3	12.5
80	10.6	9.0	13.4

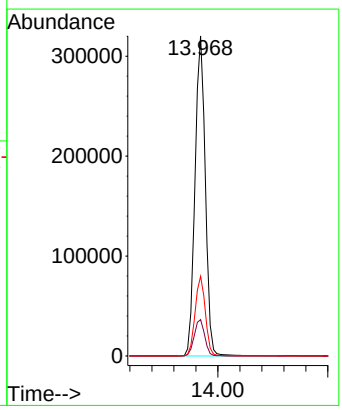


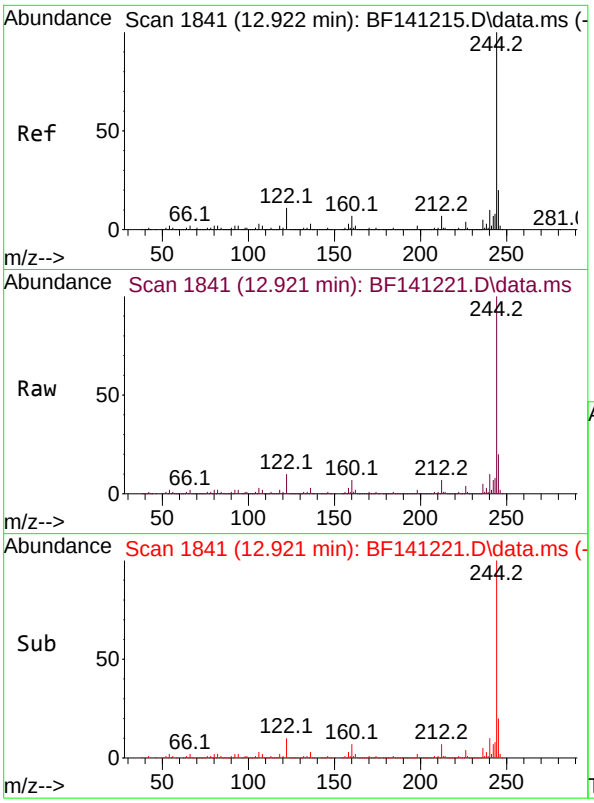


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.968 min Scan# 2019
Delta R.T. -0.018 min
Lab File: BF141221.D
Acq: 20 Jan 2025 14:39

Tgt Ion:240 Resp: 416765

Ion	Ratio	Lower	Upper
240	100		
120	11.3	9.1	13.7
236	24.9	19.8	29.6



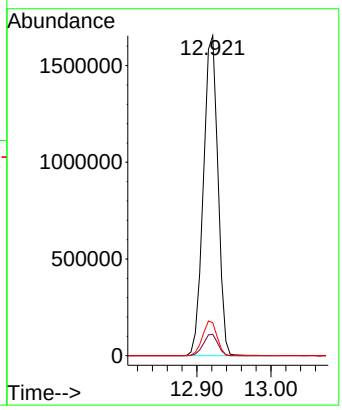


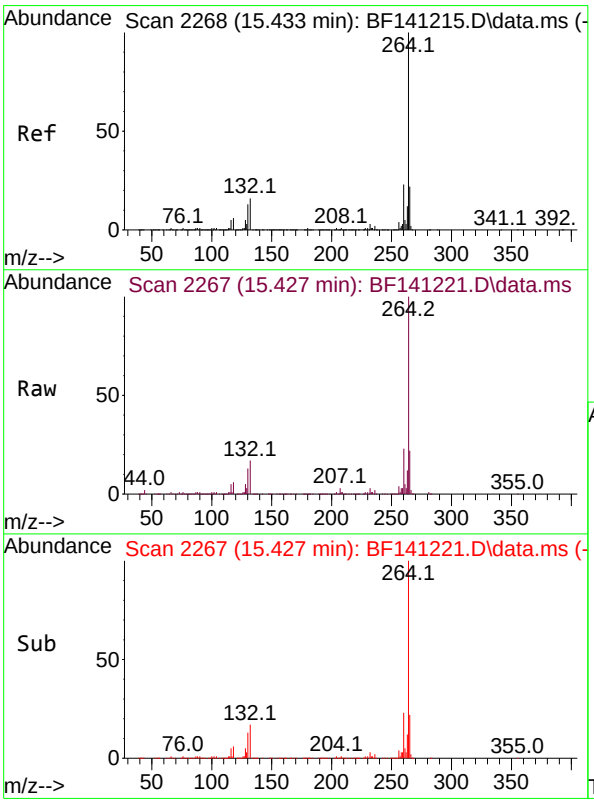
#79
Terphenyl-d14
Concen: 80.363 ng
RT: 12.921 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141221.D
Acq: 20 Jan 2025 14:39

Instrument :
BNA_F
ClientSampleId :
RW10A-20250116

Tgt Ion:244 Resp: 2253407

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.2
122	10.3	8.8	13.2

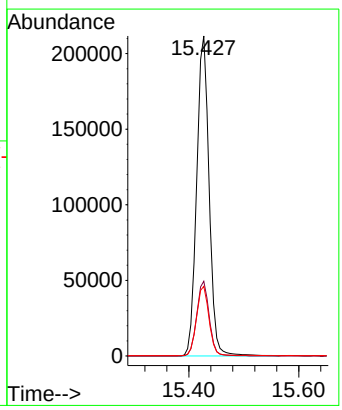




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2267
Delta R.T. -0.012 min
Lab File: BF141221.D
Acq: 20 Jan 2025 14:39

Tgt Ion:264 Resp: 333314

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.6	28.0
265	21.8	17.4	26.0



Sample Results: **BF141221.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141221.D
Acq On : 20 Jan 2025 14:39
Operator : RC/JU
Sample : Q1122-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RW10A-20250116

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141221.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.010	487	496	507	rBV	111335	170781	2.90%	0.584%
2	5.416	560	565	585	rBV	1344129	1800015	30.52%	6.152%
3	6.428	732	737	750	rBV	838695	1087937	18.45%	3.718%
4	6.810	796	802	807	rBV	748135	928329	15.74%	3.173%
5	7.369	890	897	903	rBV	2107251	2977408	50.48%	10.175%
6	7.451	906	911	923	rVB	38361	64084	1.09%	0.219%
7	8.092	1014	1020	1025	rBV	959032	1247128	21.15%	4.262%
8	9.163	1196	1202	1208	rBV	4164739	5744640	97.40%	19.633%
9	9.839	1311	1317	1323	rBV	1093014	1451726	24.61%	4.961%
10	10.633	1445	1452	1457	rBV	3189730	4273251	72.45%	14.604%
11	11.327	1565	1570	1576	rBV	1180470	1465460	24.85%	5.008%
12	11.857	1654	1660	1664	rBV	37004	60113	1.02%	0.205%
13	12.563	1776	1780	1789	rBV	37004	65041	1.10%	0.222%
14	12.921	1834	1841	1846	rBV	4293856	5897901	100.00%	20.156%
15	13.968	2013	2019	2030	rBV	862198	1126783	19.10%	3.851%
16	15.427	2260	2267	2282	rBV	560687	900096	15.26%	3.076%

Sum of corrected areas: 29260693

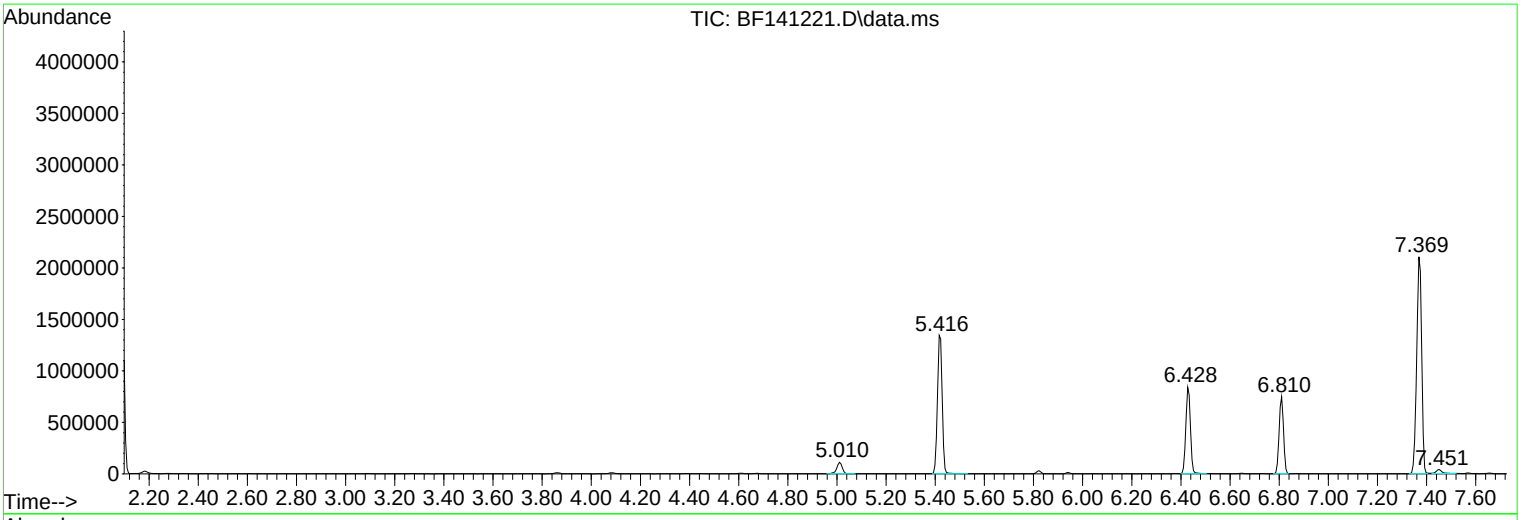
Sample Results: **BF141221.D**

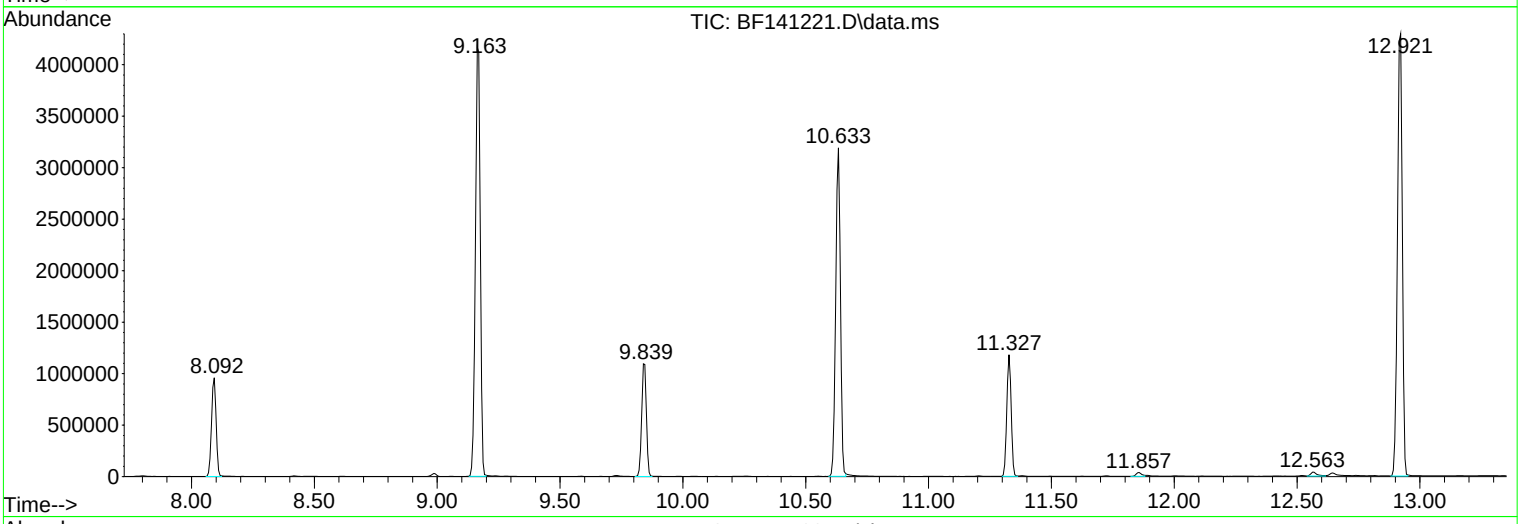
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141221.D
Acq On : 20 Jan 2025 14:39
Operator : RC/JU
Sample : Q1122-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

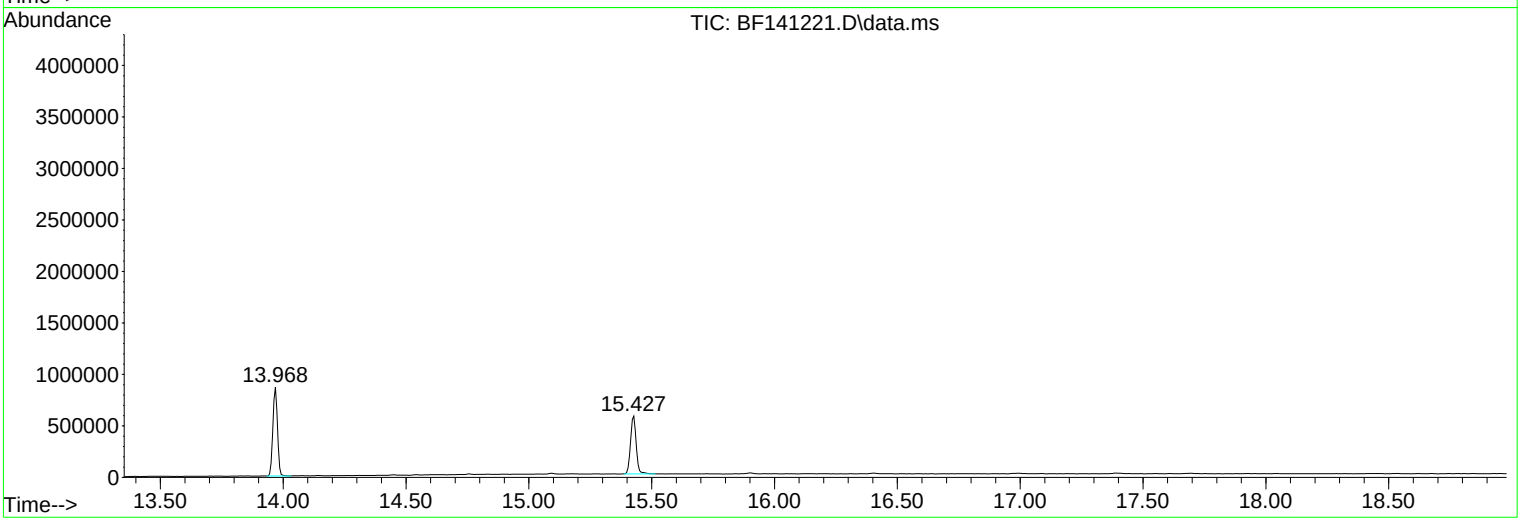
Instrument :
BNA_F
ClientSampleId :
RW10A-20250116

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Sample Results: **BF141221.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141221.D
Acq On : 20 Jan 2025 14:39
Operator : RC/JU
Sample : Q1122-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RW10A-20250116

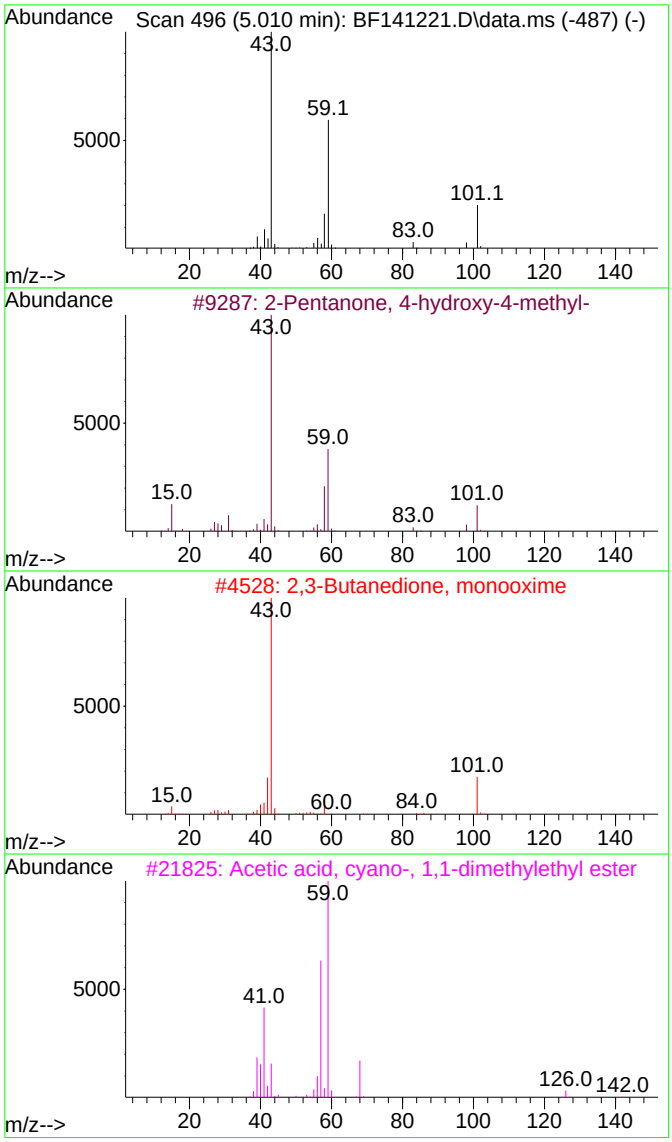
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

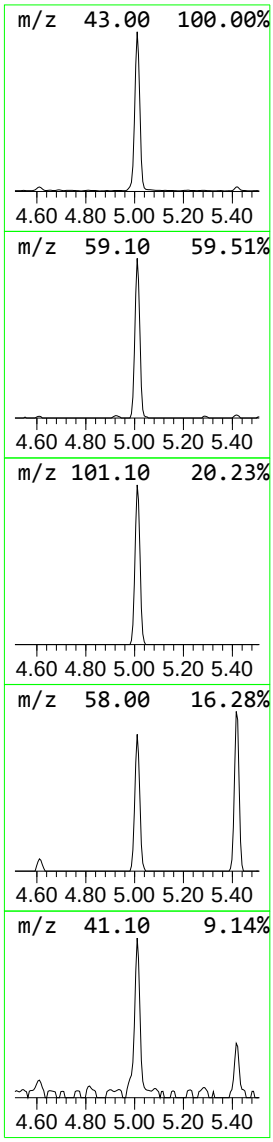
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.010	3.68 ng	170781	1,4-Dichlorobenzene-d4	6.810

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	56
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	25
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	(+-)-4-Amino-4,5-dihydro-2(3H)-f...	101	C4H7NO2	016504-58-8	9





Sample Results: **BF141221.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141221.D
Acq On : 20 Jan 2025 14:39
Operator : RC/JU
Sample : Q1122-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RW10A-20250116

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
2-Pentanone, 4-...	5.010	3.7	ng	170781	1	6.810	928329	20.0

CALIBRATION SUMMARY

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF011025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Jan 10 22:54:19 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF141109.D 5 =BF141110.D 10 =BF141111.D 20 =BF141112.D 40 =BF141113.D 50 =BF141117.D 60 =BF141118.D 80 =BF1411
19.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------									
2)		1,4-Dioxane		0.616	0.596	0.598	0.563	0.573	0.564	0.525	0.577	5.24
3)		Pyridine		1.579	1.520	1.486	1.360	1.364	1.346	1.242	1.414	8.34
4)		n-Nitrosodimet...		0.716	0.715	0.709	0.678	0.688	0.688	0.644	0.691	3.71
5)	S	2-Fluorophenol		1.453	1.400	1.378	1.248	1.236	1.227	1.121	1.295	9.11
6)		Aniline		1.656	1.583	1.561	1.424	1.385	1.360	1.222	1.456	10.39
7)	S	Phenol-d6		1.834	1.773	1.736	1.566	1.569	1.547	1.454	1.640	8.56
8)		2-Chlorophenol		1.561	1.476	1.458	1.345	1.338	1.321	1.225	1.389	8.20
9)		Benzaldehyde		1.215	1.139	1.040	0.849	0.782	0.771		0.966	19.81
10)	C	Phenol		1.943	1.902	1.861	1.701	1.665	1.668	1.548	1.756	8.38
11)		bis(2-Chloroet...		1.445	1.372	1.363	1.256	1.279	1.264	1.178	1.308	6.86
12)		1,3-Dichlorobe...		1.714	1.662	1.648	1.476	1.506	1.466	1.372	1.549	8.14
13)	C	1,4-Dichlorobe...		1.766	1.653	1.668	1.495	1.495	1.480	1.370	1.561	8.81
14)		1,2-Dichlorobe...		1.670	1.579	1.572	1.382	1.388	1.363	1.239	1.456	10.50
15)		Benzyl Alcohol		1.291	1.240	1.244	1.158	1.164	1.144	1.048	1.184	6.85
16)		2,2'-oxybis(1-...		2.046	1.913	1.939	1.766	1.746	1.730	1.640	1.826	7.82
17)		2-Methylphenol		1.209	1.175	1.182	1.088	1.091	1.077	1.027	1.121	6.00
18)		Hexachloroethane		0.610	0.591	0.595	0.548	0.551	0.550	0.507	0.565	6.35
19)	P	n-Nitroso-di-n...	1.062	1.068	1.011	1.009	0.906	0.915	0.902	0.854	0.966	8.40
20)		3+4-Methylphenols		1.631	1.529	1.527	1.375	1.342	1.319	1.180	1.415	10.93
21)	I	Naphthalene-d8	----------ISTD----------									
22)		Acetophenone		0.539	0.516	0.507	0.445	0.455	0.449	0.417	0.475	9.43
23)	S	Nitrobenzene-d5		0.400	0.390	0.394	0.365	0.370	0.372	0.349	0.377	4.82
24)		Nitrobenzene		0.419	0.410	0.411	0.377	0.384	0.388	0.364	0.393	5.20
25)		Isophorone		0.692	0.668	0.674	0.617	0.629	0.628	0.605	0.645	5.09
26)	C	2-Nitrophenol		0.161	0.173	0.190	0.178	0.184	0.187	0.179	0.179	5.30
27)		2,4-Dimethylph...		0.252	0.244	0.250	0.236	0.239	0.238	0.229	0.241	3.27
28)		bis(2-Chloroet...		0.435	0.419	0.430	0.387	0.393	0.393	0.377	0.405	5.61
29)	C	2,4-Dichloroph...		0.296	0.296	0.300	0.277	0.286	0.284	0.266	0.287	4.31
30)		1,2,4-Trichlor...		0.356	0.344	0.348	0.314	0.317	0.316	0.299	0.328	6.49
31)		Naphthalene		1.178	1.126	1.131	0.998	1.023	0.997	0.929	1.055	8.60
32)		Benzoic acid		0.182	0.211	0.231	0.238	0.251	0.258	0.250	0.231	11.68
33)		4-Chloroaniline		0.397	0.390	0.386	0.345	0.349	0.355	0.331	0.365	7.09
34)	C	Hexachlorobuta...		0.213	0.207	0.208	0.188	0.194	0.191	0.180	0.197	6.17
35)		Caprolactam		0.096	0.092	0.099	0.091	0.094	0.094	0.091	0.094	3.00
36)	C	4-Chloro-3-met...		0.331	0.322	0.327	0.302	0.313	0.307	0.293	0.313	4.39
37)		2-Methylnaphth...		0.751	0.719	0.710	0.638	0.654	0.637	0.595	0.672	8.30
38)		1-Methylnaphth...		0.747	0.712	0.710	0.625	0.635	0.627	0.581	0.662	9.11

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF011025.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.632	0.601	0.604	0.554	0.552	0.554	0.520	0.574	6.83
41)	P	Hexachlorocycl...	0.170	0.181	0.201	0.200	0.189	0.191	0.182	0.188	5.74
42)	S	2,4,6-Tribromo...	0.233	0.233	0.235	0.219	0.230	0.226	0.220	0.228	2.96
43)	C	2,4,6-Trichlor...	0.399	0.384	0.412	0.380	0.382	0.377	0.377	0.387	3.37
44)		2,4,5-Trichlor...	0.429	0.419	0.418	0.401	0.411	0.407	0.377	0.409	4.07
45)	S	2-Fluorobiphenyl	1.582	1.459	1.408	1.225	1.224	1.176	1.094	1.310	13.42
46)		1,1'-Biphenyl	1.761	1.671	1.654	1.490	1.491	1.452	1.354	1.553	9.28
47)		2-Chloronaphth...	1.345	1.288	1.273	1.164	1.174	1.145	1.079	1.210	7.78
48)		2-Nitroaniline	0.360	0.358	0.365	0.351	0.365	0.365	0.347	0.359	2.04
49)		Acenaphthylene	1.915	1.820	1.830	1.660	1.678	1.654	1.540	1.728	7.54
50)		Dimethylphthalate	1.447	1.406	1.404	1.299	1.318	1.292	1.232	1.343	5.76
51)		2,6-Dinitrotol...	0.308	0.317	0.328	0.312	0.315	0.312	0.294	0.312	3.27
52)	C	Acenaphthene	1.317	1.267	1.274	1.165	1.185	1.160	1.086	1.208	6.69
53)		3-Nitroaniline	0.321	0.324	0.333	0.316	0.320	0.312	0.295	0.317	3.73
54)	P	2,4-Dinitrophenol		0.097	0.133	0.155	0.168	0.167	0.171	0.148	19.39
55)		Dibenzofuran	1.866	1.736	1.738	1.586	1.585	1.546	1.440	1.642	8.77
56)	P	4-Nitrophenol	0.224	0.241	0.255	0.250	0.264	0.258	0.248	0.248	5.29
57)		2,4-Dinitrotol...	0.372	0.401	0.423	0.395	0.424	0.411	0.390	0.402	4.69
58)		Fluorene	1.488	1.403	1.359	1.197	1.213	1.182	1.091	1.276	11.13
59)		2,3,4,6-Tetrac...	0.353	0.358	0.354	0.332	0.333	0.337	0.313	0.340	4.72
60)		Diethylphthalate	1.416	1.397	1.378	1.253	1.289	1.257	1.186	1.311	6.64
61)		4-Chlorophenyl...	0.709	0.672	0.663	0.594	0.593	0.584	0.540	0.622	9.65
62)		4-Nitroaniline	0.314	0.312	0.315	0.300	0.323	0.315	0.295	0.311	3.12
63)		Azobenzene	1.430	1.363	1.353	1.245	1.264	1.233	1.166	1.293	7.05
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...	0.077	0.095	0.120	0.129	0.130	0.132	0.128	0.116	18.43
66)	c	n-Nitrosodiphe...	0.706	0.677	0.683	0.651	0.603	0.622	0.574	0.645	7.39
67)		4-Bromophenyl-...	0.241	0.237	0.238	0.232	0.220	0.229	0.215	0.230	4.20
68)		Hexachlorobenzene	0.273	0.263	0.266	0.257	0.244	0.252	0.239	0.256	4.81
69)		Atrazine	0.213	0.201	0.170	0.141	0.184	0.169	0.138	0.174	16.26
70)	C	Pentachlorophenol	0.142	0.162	0.171	0.173	0.169	0.171	0.160	0.164	6.59
71)		Phenanthrene	1.218	1.152	1.122	1.064	1.014	1.012	0.935	1.074	8.98
72)		Anthracene	1.162	1.111	1.095	1.042	0.994	0.997	0.908	1.044	8.22
73)		Carbazole	1.052	1.025	1.011	0.944	0.935	0.901	0.833	0.957	8.09
74)		Di-n-butylphth...	1.186	1.177	1.139	1.087	1.079	1.043	0.958	1.096	7.33
75)	C	Fluoranthene	1.211	1.188	1.104	1.037	1.051	0.987	0.923	1.071	9.70
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine	0.380	0.309	0.310	0.409	0.340	0.418	0.430	0.371	13.83
78)		Pyrene	1.952	1.977	2.081	1.848	1.839	1.955	1.720	1.910	6.14
79)	S	Terphenyl-d14	1.444	1.424	1.483	1.272	1.280	1.352	1.164	1.346	8.44
80)		Butylbenzylpht...	0.583	0.629	0.663	0.614	0.677	0.669	0.623	0.637	5.39
81)		Benzo(a)anthra...	1.473	1.420	1.427	1.245	1.329	1.367	1.266	1.361	6.28
82)		3,3'-Dichlorob...	0.434	0.422	0.444	0.418	0.426	0.441	0.448	0.433	2.72
83)		Chrysene	1.382	1.316	1.336	1.207	1.237	1.238	1.200	1.274	5.54
84)		Bis(2-ethylhex...	0.734	0.768	0.807	0.726	0.819	0.783	0.712	0.764	5.41
85)	c	Di-n-octyl pht...	0.950	1.039	1.169	1.151	1.235	1.244	1.291	1.154	10.51

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF011025.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.472	1.420	1.558	1.472	1.421	1.539	1.374	1.465	4.55
88)		Benzo(b)fluora...	1.461	1.415	1.290	1.201	1.315	1.191	1.156	1.290	9.03
89)		Benzo(k)fluora...	1.128	1.102	1.141	1.043	1.038	1.103	1.074	1.090	3.67
90)	C	Benzo(a)pyrene	1.103	1.090	1.095	1.039	1.048	1.067	1.007	1.064	3.29
91)		Dibenzo(a,h)an...	1.174	1.178	1.262	1.197	1.150	1.247	1.088	1.185	4.95
92)		Benzo(g,h,i)pe...	1.256	1.221	1.347	1.263	1.195	1.296	1.051	1.233	7.65

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141109.D
Acq On : 10 Jan 2025 11:58
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Jan 10 22:17:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:16:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	168291	20.000	ng	0.00
21) Naphthalene-d8	8.098	136	666433	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	361428	20.000	ng	0.00
64) Phenanthrene-d10	11.339	188	653596	20.000	ng	0.00
76) Chrysene-d12	13.986	240	377428	20.000	ng	0.00
86) Perylene-d12	15.468	264	355792	20.000	ng	0.03
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...	7.222	70	22337	2.748	ng	98

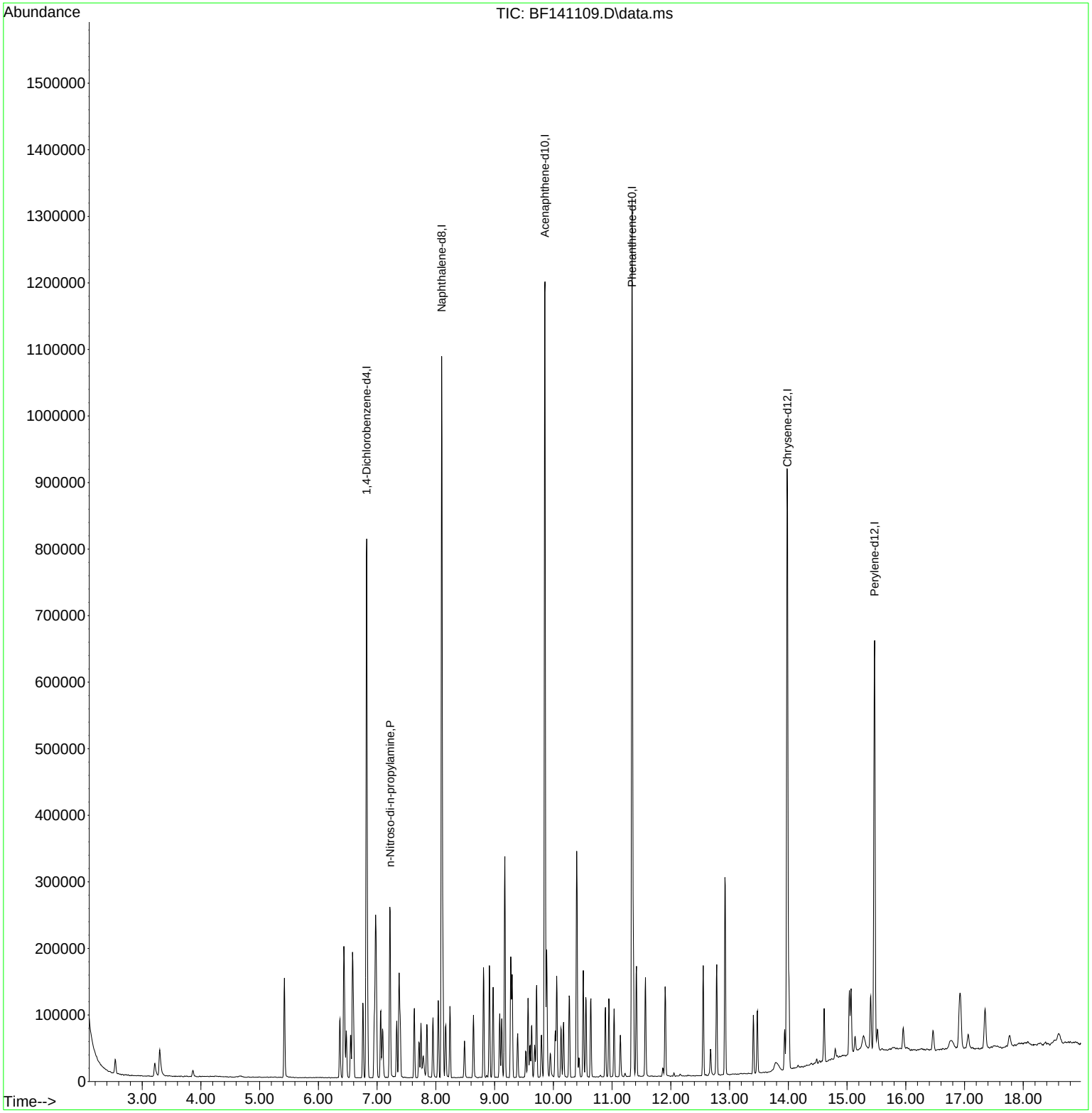
(#) = qualifier out of range (m) = manual integration (+) = signals summed

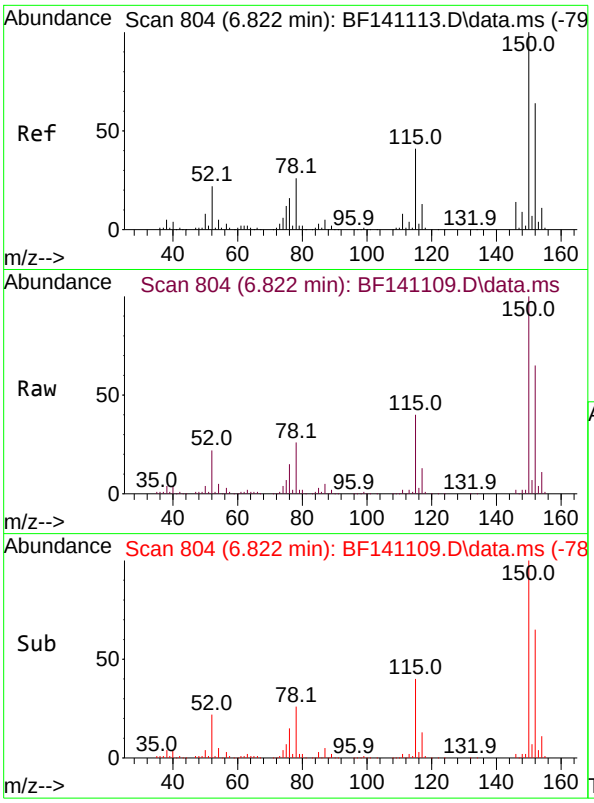
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141109.D
Acq On : 10 Jan 2025 11:58
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: Jan 10 22:17:07 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:16:11 2025
Response via : Initial Calibration



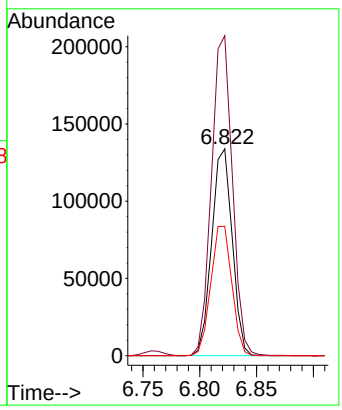


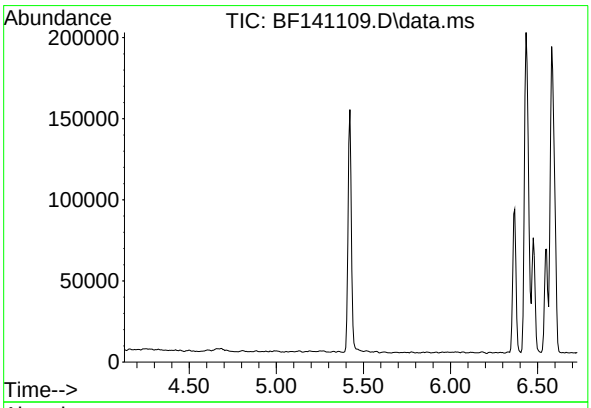
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141109.D
Acq: 10 Jan 2025 11:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 168291

Ion	Ratio	Lower	Upper
152	100		
150	154.7	125.8	188.8
115	62.6	51.4	77.2



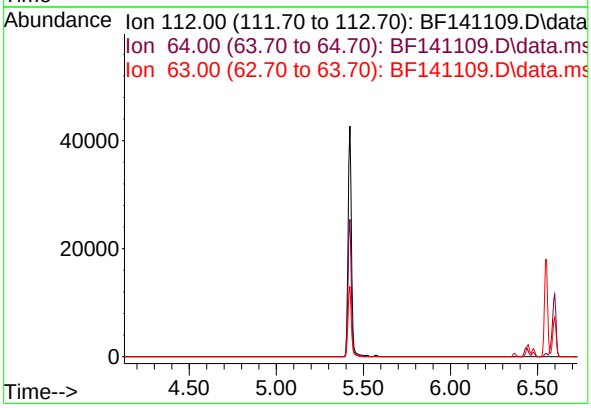


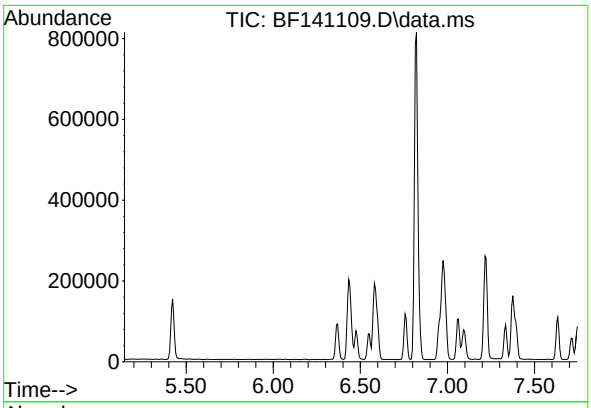
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.43 min

Lab File: BF141109.D
Acq: 10 Jan 2025 11:58

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	59.1
63	30.2





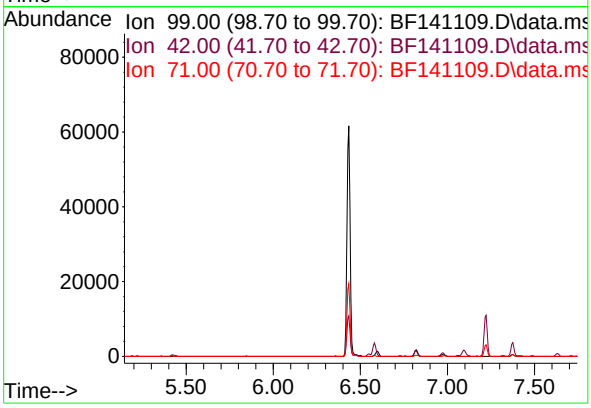
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.45 min

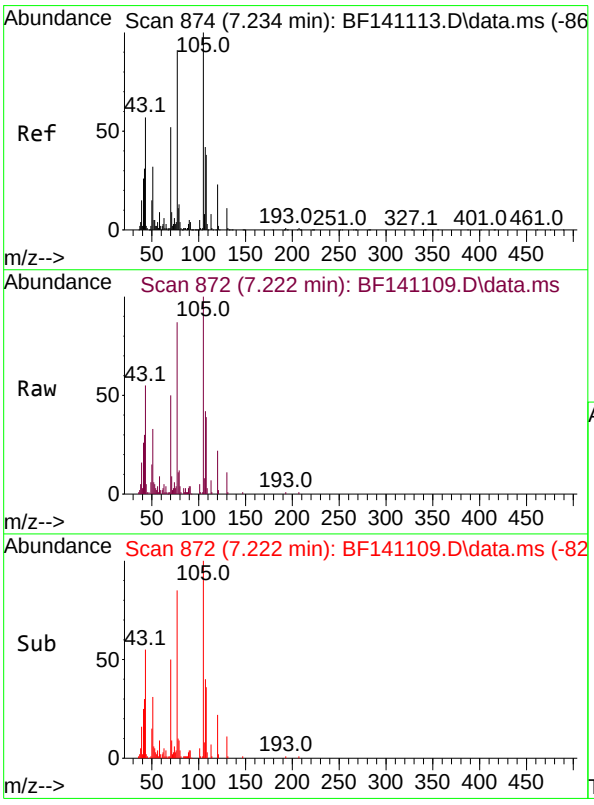
Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Lab File: BF141109.D
Acq: 10 Jan 2025 11:58

Tgt Ion: 99

Sig	Exp Ratio
99	100
42	18.7
71	34.5

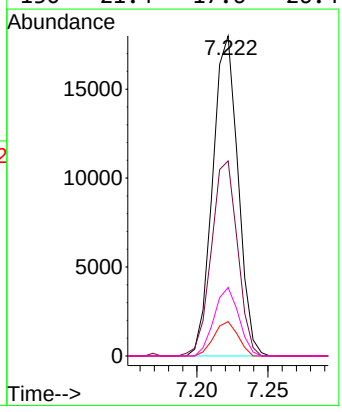


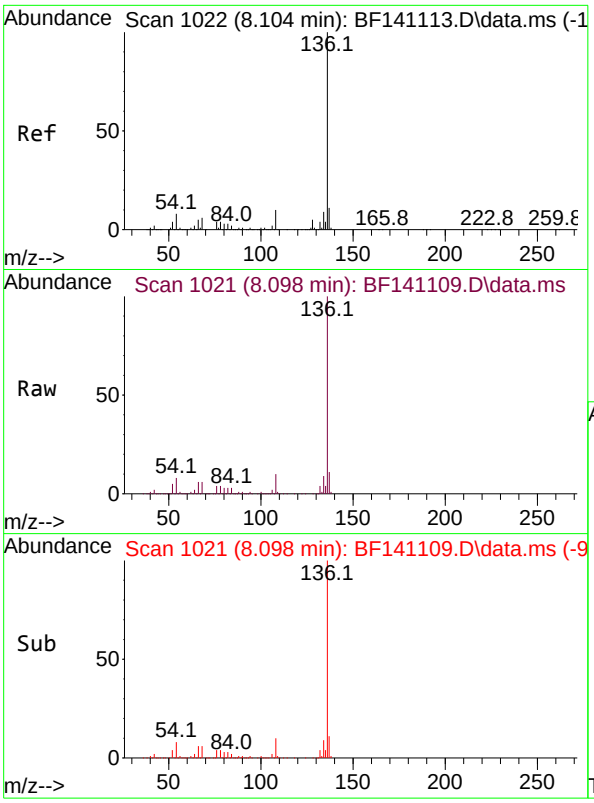


#19
n-Nitroso-di-n-propylamine
Concen: 2.748 ng
RT: 7.222 min Scan# 872
Delta R.T. -0.012 min
Lab File: BF141109.D
Acq: 10 Jan 2025 11:58

Tgt Ion: 70 Resp: 22337

Ion	Ratio	Lower	Upper
70	100		
42	61.0	47.8	71.6
101	10.7	7.9	11.9
130	21.4	17.6	26.4



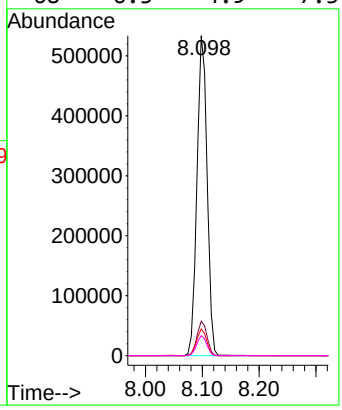


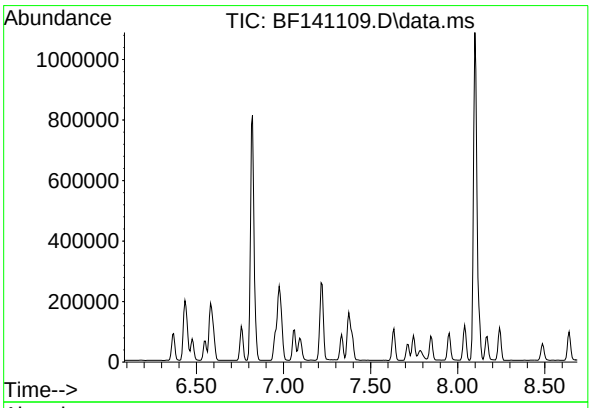
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141109.D
Acq: 10 Jan 2025 11:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 666433

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	8.3	6.3	9.5
68	6.3	4.9	7.3



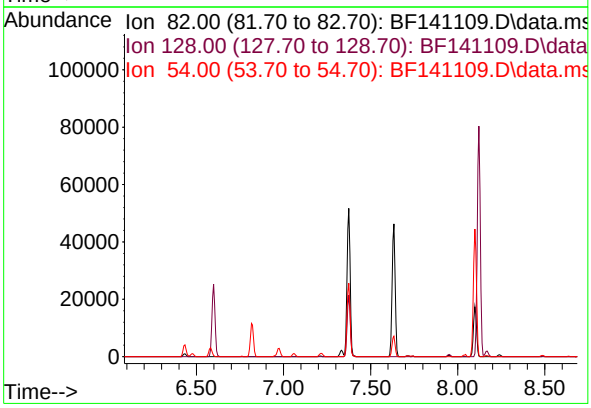


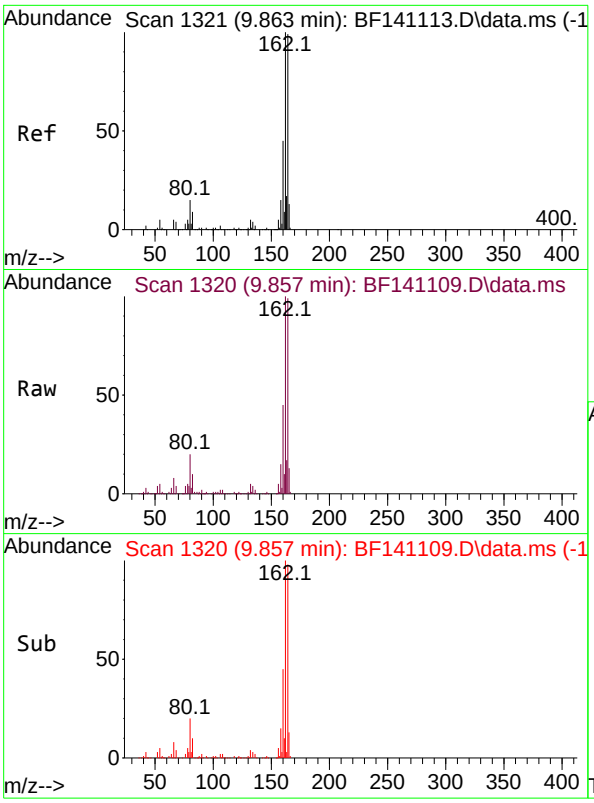
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.39 min

Lab File: BF141109.D
Acq: 10 Jan 2025 11:58

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	45.1
54	51.2



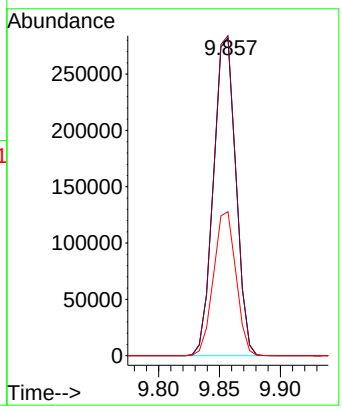


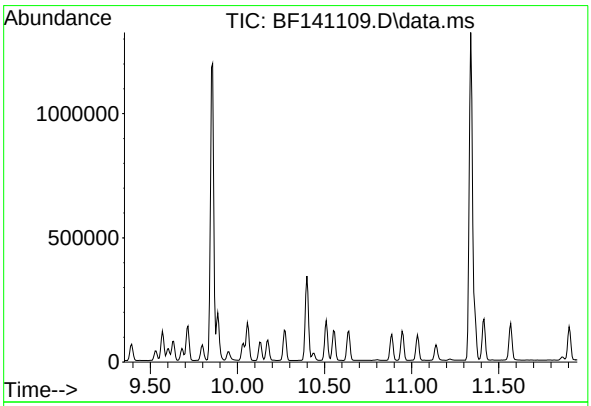
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141109.D
Acq: 10 Jan 2025 11:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 361428

Ion	Ratio	Lower	Upper
164	100		
162	100.7	81.0	121.4
160	45.3	36.1	54.1



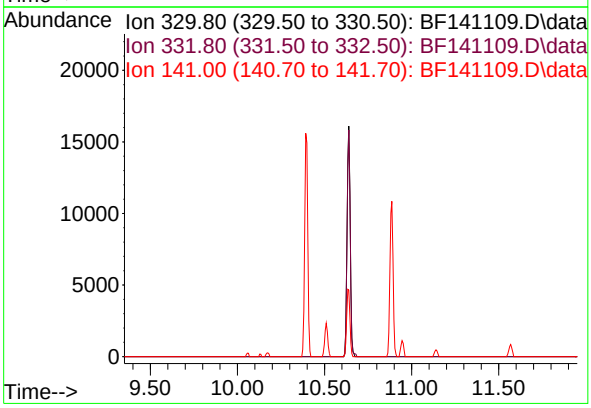


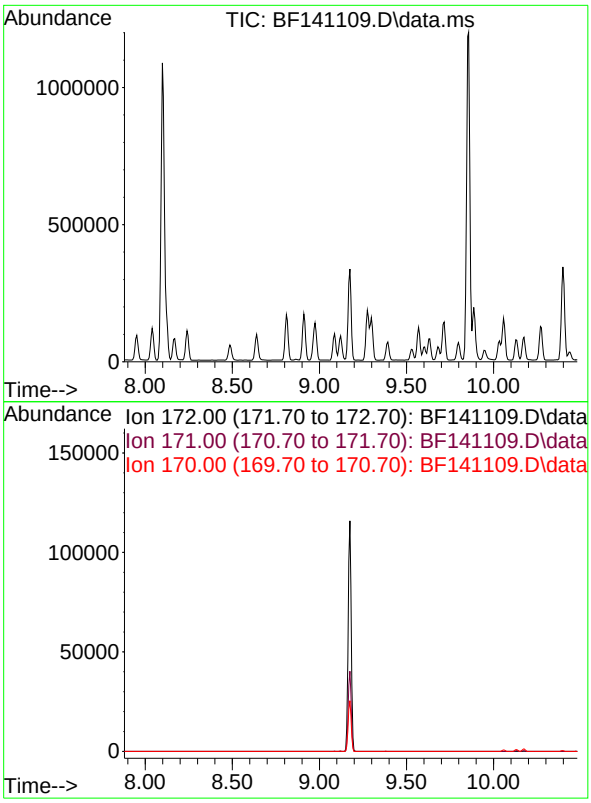
#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.65 min

Lab File: BF141109.D
Acq: 10 Jan 2025 11:58

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	96.1
141	31.5





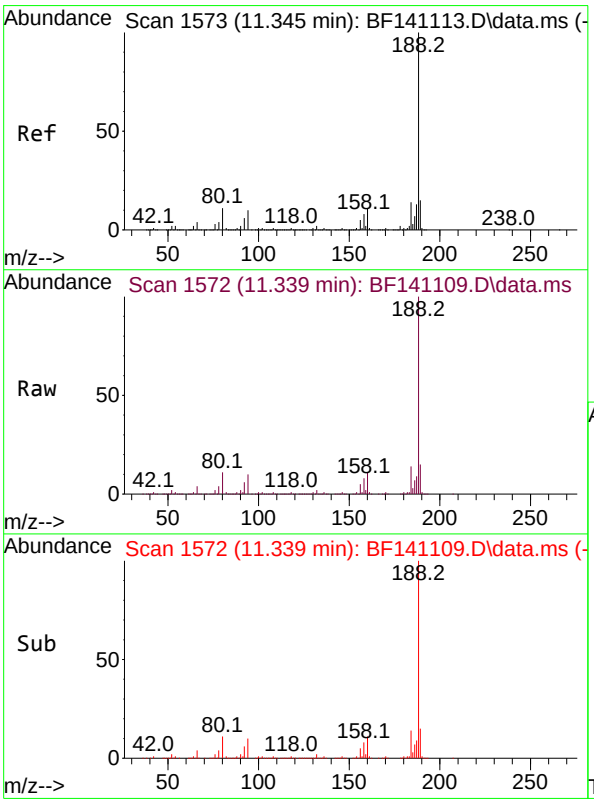
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.18 min

Lab File: BF141109.D
Acq: 10 Jan 2025 11:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

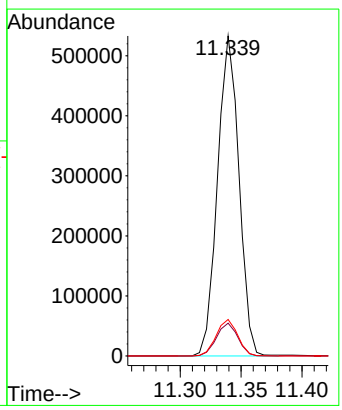
Sig	Exp Ratio
172	100
171	35.9
170	23.8

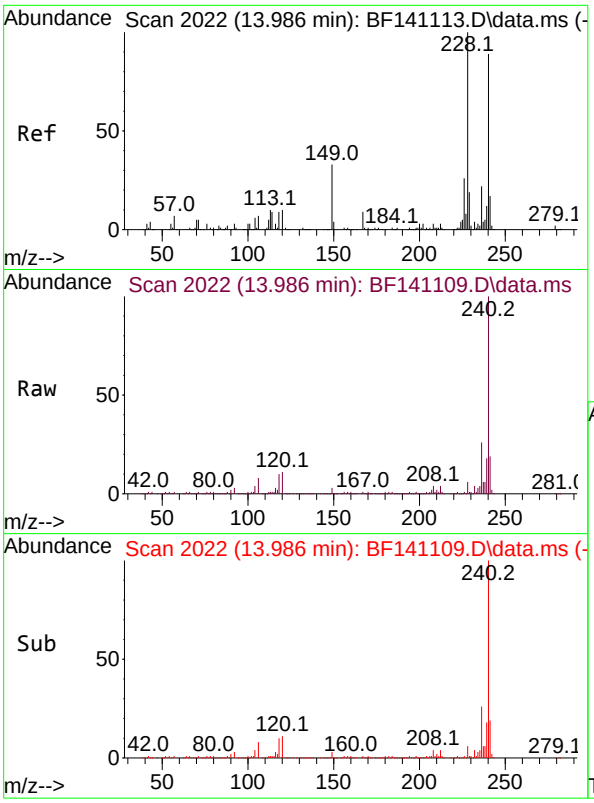


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF141109.D
Acq: 10 Jan 2025 11:58

Tgt Ion:188 Resp: 653596

Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.3	12.5
80	11.4	9.0	13.4



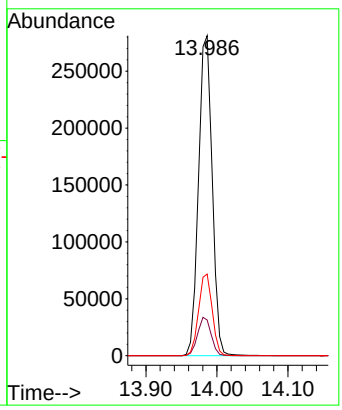


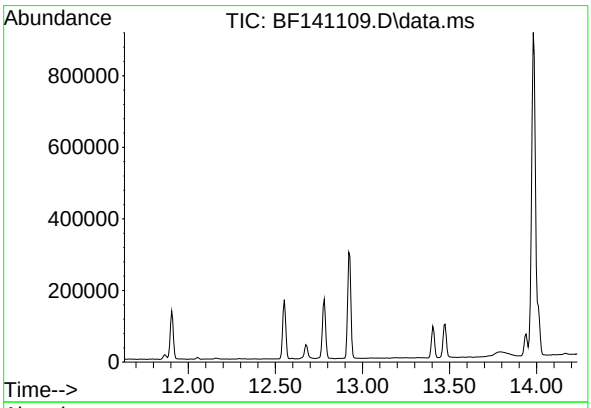
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141109.D
Acq: 10 Jan 2025 11:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 377428

Ion	Ratio	Lower	Upper
240	100		
120	11.1	9.1	13.7
236	25.5	19.8	29.6



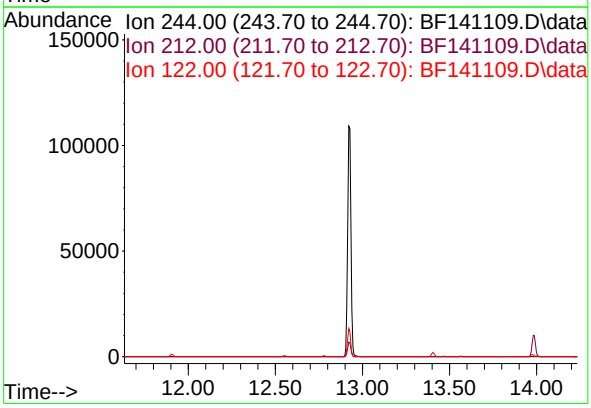


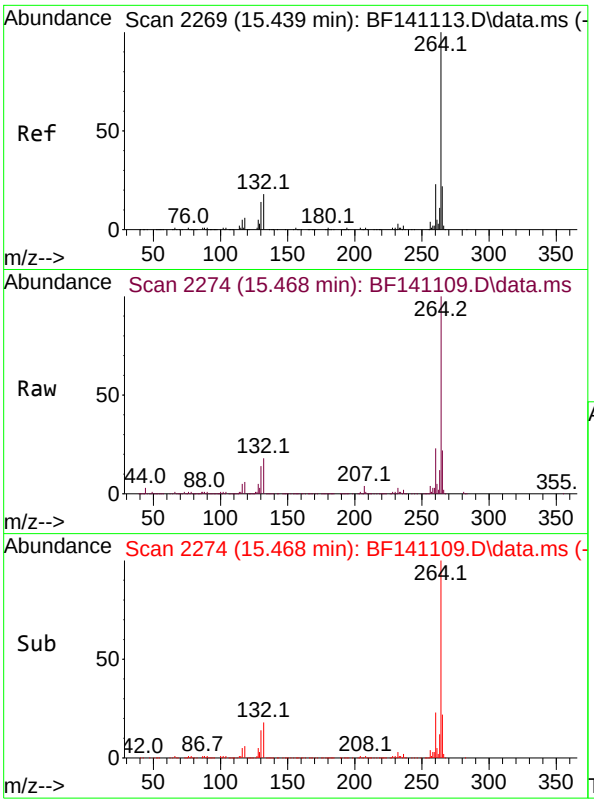
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 12.93 min

Lab File: BF141109.D
Acq: 10 Jan 2025 11:58

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	6.8
122	11.0



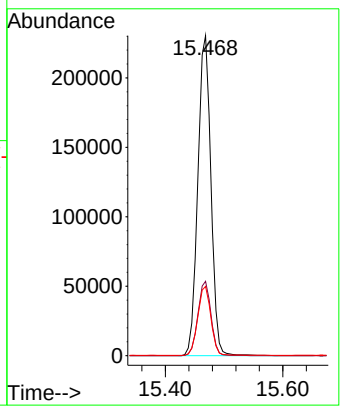


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2
Delta R.T. 0.029 min
Lab File: BF141109.D
Acq: 10 Jan 2025 11:58

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 355792

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	21.6	17.4	26.0



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141110.D
Acq On : 10 Jan 2025 12:25
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Jan 10 22:17:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:16:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.822	152	153416	20.000	ng		0.00
21) Naphthalene-d8	8.098	136	614947	20.000	ng		0.00
39) Acenaphthene-d10	9.857	164	332087	20.000	ng		0.00
64) Phenanthrene-d10	11.339	188	581741	20.000	ng		0.00
76) Chrysene-d12	13.986	240	370828	20.000	ng		0.00
86) Perylene-d12	15.463	264	306986	20.000	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.422	112	111466	11.224	ng		0.00
7) Phenol-d6	6.434	99	140674	11.182	ng		-0.01
23) Nitrobenzene-d5	7.375	82	123133	10.614	ng		-0.01
42) 2,4,6-Tribromophenol	10.639	330	38615	10.205	ng		-0.01
45) 2-Fluorobiphenyl	9.175	172	262701	12.080	ng		0.00
79) Terphenyl-d14	12.927	244	267821	10.734	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.534	88	23641	5.346	ng		98
3) Pyridine	3.281	79	60557	5.584	ng		99
4) n-Nitrosodimethylamine	3.205	42	27465	5.179	ng	#	99
6) Aniline	6.475	93	63517	5.687	ng		100
8) 2-Chlorophenol	6.598	128	59870	5.619	ng		98
9) Benzaldehyde	6.369	77	46588	6.629	ng		97
10) Phenol	6.446	94	74522	5.534	ng		98
11) bis(2-Chloroethyl)ether	6.551	93	55432	5.523	ng		97
12) 1,3-Dichlorobenzene	6.757	146	65753	5.533	ng		99
13) 1,4-Dichlorobenzene	6.840	146	67741	5.657	ng		98
14) 1,2-Dichlorobenzene	6.987	146	64051	5.734	ng		98
15) Benzyl Alcohol	6.951	79	49532	5.452	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.093	45	78464	5.603	ng		99
17) 2-Methylphenol	7.063	107	46377	5.391	ng		98
18) Hexachloroethane	7.334	117	23414	5.407	ng		96
19) n-Nitroso-di-n-propyla...	7.222	70	40948	5.526	ng		99
20) 3+4-Methylphenols	7.216	107	62539	5.763	ng	#	84
22) Acetophenone	7.222	105	82845	5.667	ng		99
24) Nitrobenzene	7.393	77	64399	5.326	ng		97
25) Isophorone	7.634	82	106336	5.364	ng		100
26) 2-Nitrophenol	7.716	139	24814	4.512	ng		95
27) 2,4-Dimethylphenol	7.745	122	38719	5.219	ng		99
28) bis(2-Chloroethoxy)met...	7.845	93	66840	5.372	ng		97
29) 2,4-Dichlorophenol	7.951	162	45561	5.171	ng		99
30) 1,2,4-Trichlorobenzene	8.040	180	54712	5.433	ng		99
31) Naphthalene	8.122	128	181124	5.585	ng		99
32) Benzoic acid	7.792	122	27905	3.921	ng		98
33) 4-Chloroaniline	8.169	127	61099	5.448	ng		99
34) Hexachlorobutadiene	8.240	225	32815	5.408	ng		99
35) Caprolactam	8.492	113	14819	5.127	ng		95
36) 4-Chloro-3-methylphenol	8.639	107	50853	5.278	ng		98
37) 2-Methylnaphthalene	8.810	142	115532	5.591	ng		98
38) 1-Methylnaphthalene	8.910	142	114809	5.637	ng		99
40) 1,2,4,5-Tetrachloroben...	8.981	216	52480	5.506	ng		100
41) Hexachlorocyclopentadiene	8.969	237	14138	4.534	ng		99
43) 2,4,6-Trichlorophenol	9.087	196	33100	5.149	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141110.D
Acq On : 10 Jan 2025 12:25
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Jan 10 22:17:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:16:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.122	196	35605	5.244	ng	99
46) 1,1'-Biphenyl	9.275	154	146178	5.668	ng	99
47) 2-Chloronaphthalene	9.298	162	111654	5.559	ng	99
48) 2-Nitroaniline	9.392	65	29900	5.021	ng	93
49) Acenaphthylene	9.716	152	159028	5.541	ng	98
50) Dimethylphthalate	9.569	163	120152	5.389	ng	100
51) 2,6-Dinitrotoluene	9.634	165	25553	4.929	ng	93
52) Acenaphthene	9.886	154	109318	5.452	ng	98
53) 3-Nitroaniline	9.798	138	26650	5.058	ng	96
55) Dibenzofuran	10.057	168	154910	5.680	ng	98
56) 4-Nitrophenol	9.951	139	18587	4.505	ng	98
57) 2,4-Dinitrotoluene	10.034	165	30860	4.619	ng	94
58) Fluorene	10.404	166	123503	5.829	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.175	232	29338	5.199	ng	98
60) Diethylphthalate	10.275	149	117549	5.401	ng	100
61) 4-Chlorophenyl-phenyle...	10.398	204	58845	5.698	ng	99
62) 4-Nitroaniline	10.404	138	26092	5.060	ng	98
63) Azobenzene	10.557	77	118725	5.528	ng	99
65) 4,6-Dinitro-2-methylph...	10.439	198	11249	3.337	ng	95
66) n-Nitrosodiphenylamine	10.510	169	102664	5.471	ng	98
67) 4-Bromophenyl-phenylether	10.886	248	35042	5.232	ng	99
68) Hexachlorobenzene	10.951	284	39756	5.332	ng	98
69) Atrazine	11.033	200	30974	6.131	ng	96
70) Pentachlorophenol	11.139	266	20711	4.338	ng	94
71) Phenanthrene	11.363	178	177095	5.670	ng	98
72) Anthracene	11.416	178	168968	5.564	ng	98
73) Carbazole	11.569	167	153065	5.497	ng	99
74) Di-n-butylphthalate	11.904	149	172526	5.414	ng	99
75) Fluoranthene	12.551	202	176105	5.650	ng	100
77) Benzidine	12.680	184	35213	5.121	ng	98
78) Pyrene	12.780	202	180982	5.110	ng	99
80) Butylbenzylphthalate	13.410	149	54011	4.574	ng	96
81) Benzo(a)anthracene	13.974	228	136580	5.412	ng	99
82) 3,3'-Dichlorobenzidine	13.939	252	40239	5.007	ng	100
83) Chrysene	14.010	228	128102	5.425	ng	98
84) Bis(2-ethylhexyl)phtha...	13.974	149	68031	4.801	ng	99
85) Di-n-octyl phthalate	14.604	149	88039	4.115	ng	100
87) Indeno(1,2,3-cd)pyrene	16.904	276	113009	5.025	ng	99
88) Benzo(b)fluoranthene	15.033	252	112121	5.664	ng	99
89) Benzo(k)fluoranthene	15.063	252	86565	5.175	ng	98
90) Benzo(a)pyrene	15.398	252	84656	5.183	ng	99
91) Dibenzo(a,h)anthracene	16.927	278	90084	4.952	ng	98
92) Benzo(g,h,i)perylene	17.345	276	96418	5.096	ng	100

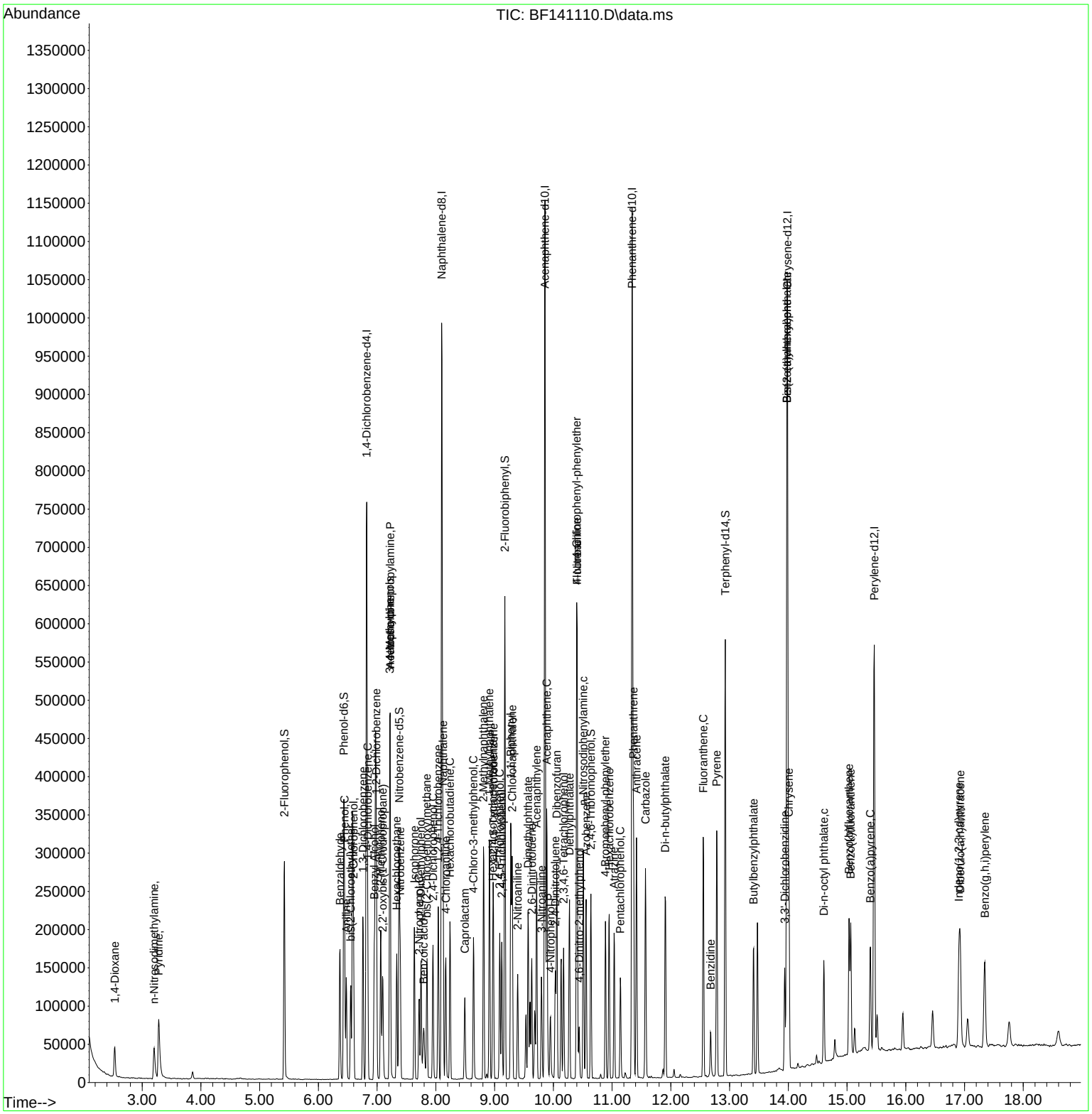
(#) = qualifier out of range (m) = manual integration (+) = signals summed

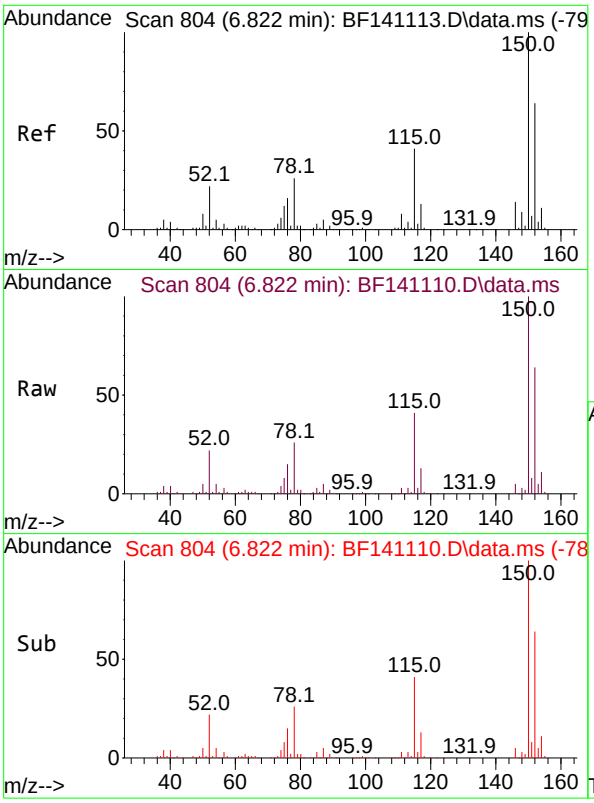
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141110.D
Acq On : 10 Jan 2025 12:25
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: Jan 10 22:17:54 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:16:11 2025
Response via : Initial Calibration



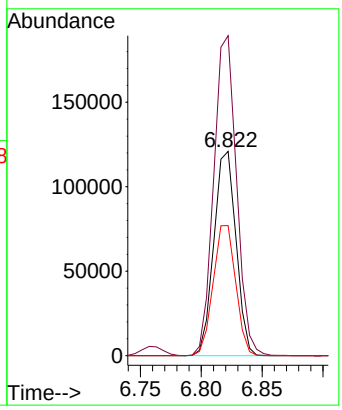


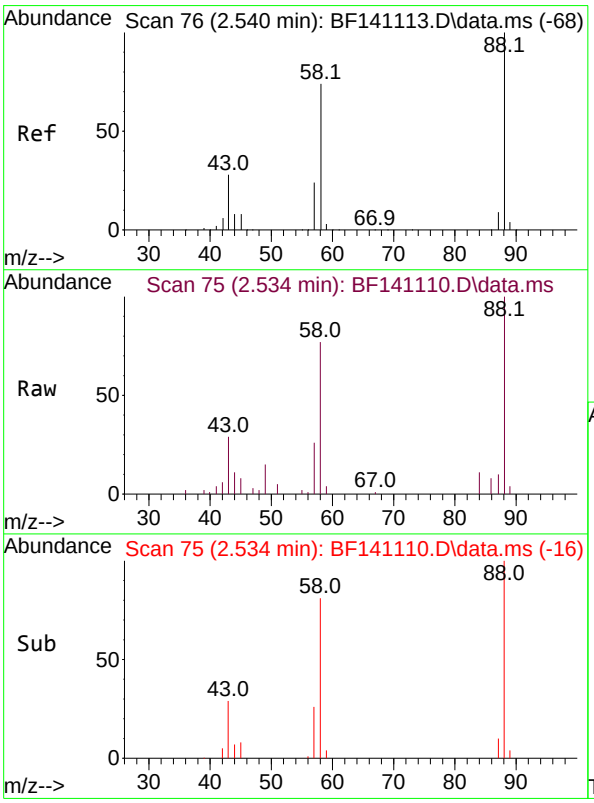
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 153416

Ion	Ratio	Lower	Upper
152	100		
150	156.7	125.8	188.8
115	63.7	51.4	77.2

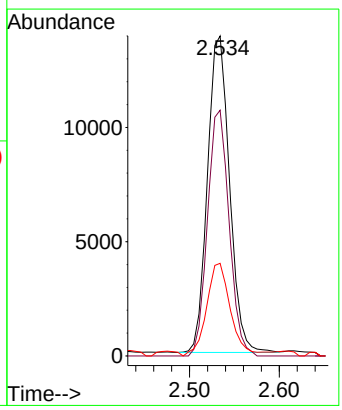


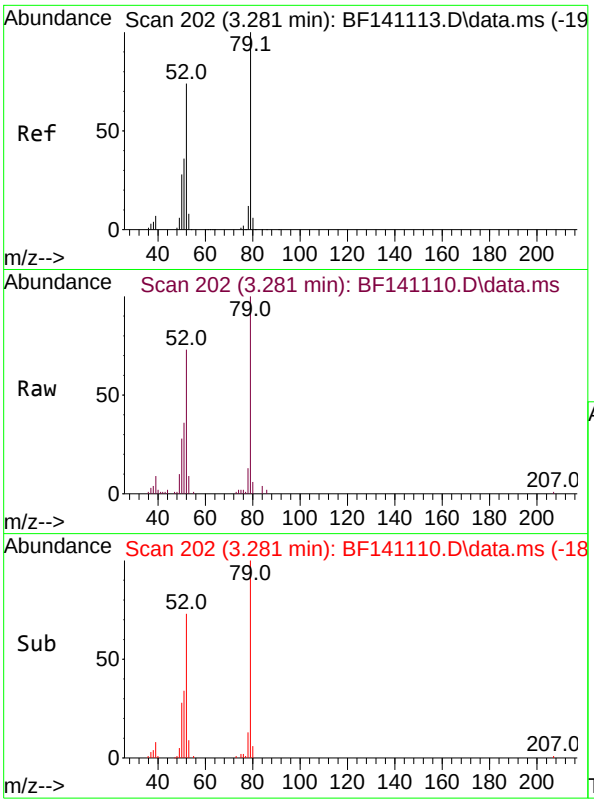


#2
1,4-Dioxane
Concen: 5.346 ng
RT: 2.534 min Scan# 75
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion: 88 Resp: 23641

Ion	Ratio	Lower	Upper
88	100		
58	76.0	60.1	90.1
43	31.7	23.1	34.7



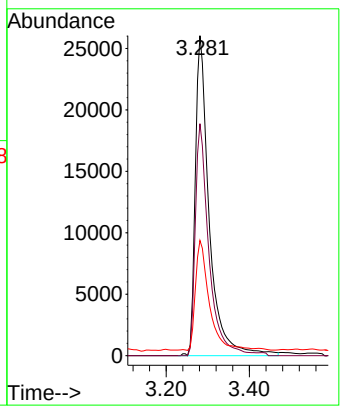


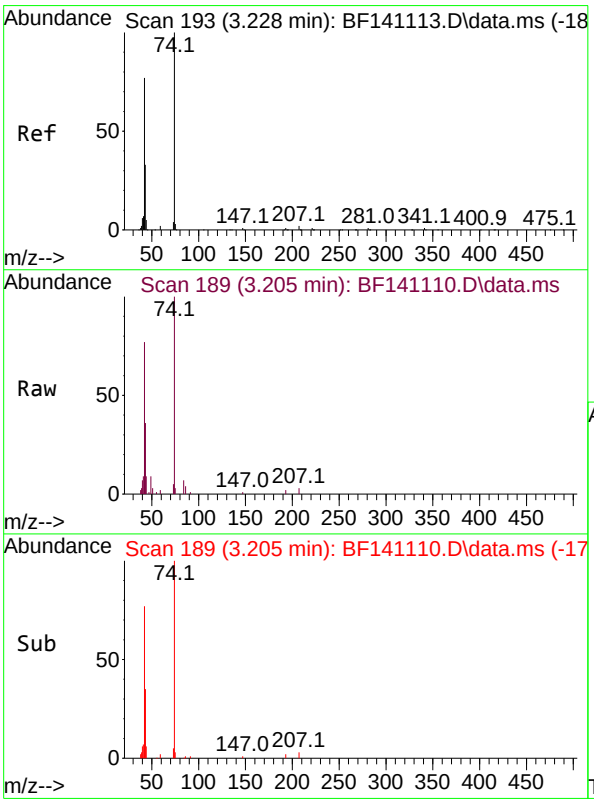
#3
Pyridine
Concen: 5.584 ng
RT: 3.281 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 60557

Ion	Ratio	Lower	Upper
79	100		
52	72.5	58.9	88.3
51	36.0	29.1	43.7

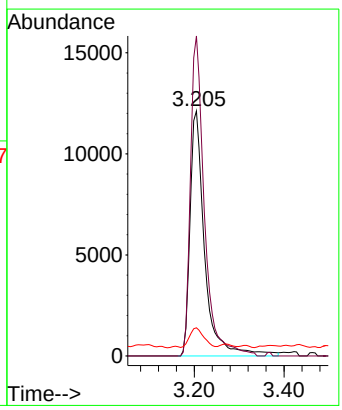


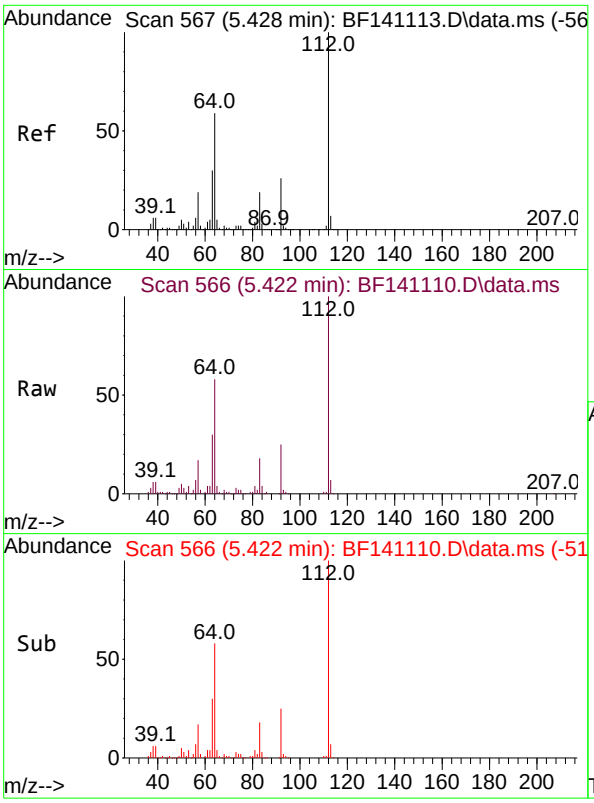


#4
n-Nitrosodimethylamine
Concen: 5.179 ng
RT: 3.205 min Scan# 189
Delta R.T. -0.023 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion: 42 Resp: 27465

Ion	Ratio	Lower	Upper
42	100		
74	130.6	103.8	155.6
44	11.5	5.3	7.9#



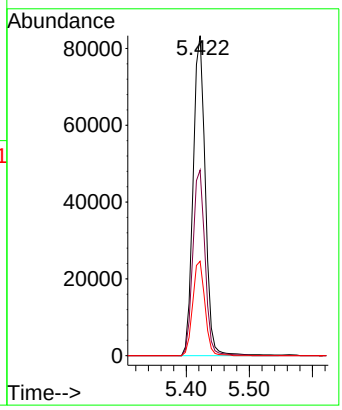


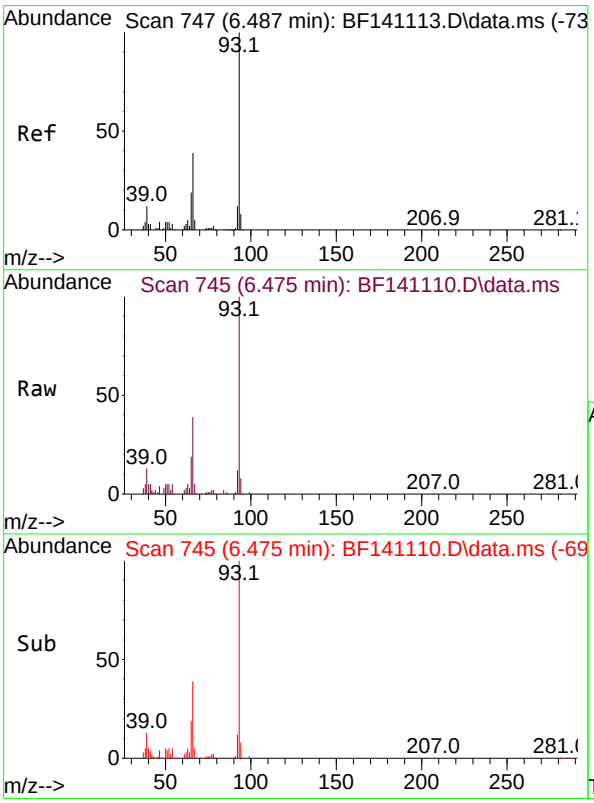
#5
2-Fluorophenol
Concen: 11.224 ng
RT: 5.422 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:112 Resp: 111466

Ion	Ratio	Lower	Upper
112	100		
64	58.0	47.3	70.9
63	29.5	24.2	36.2

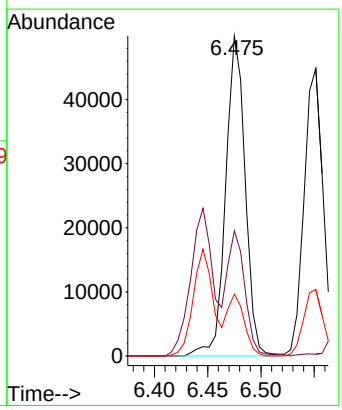


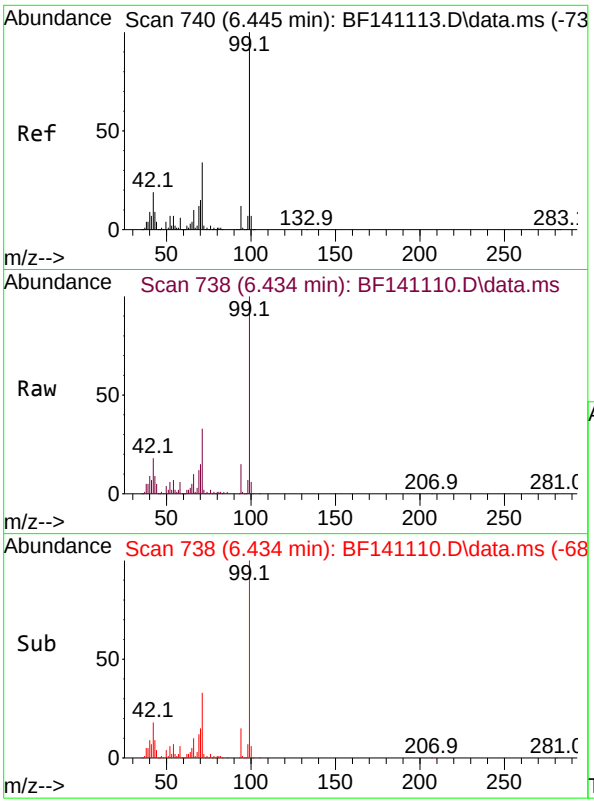


#6
Aniline
Concen: 5.687 ng
RT: 6.475 min Scan# 745
Delta R.T. -0.012 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion: 93 Resp: 63517

Ion	Ratio	Lower	Upper
93	100		
66	39.1	31.5	47.3
65	19.3	15.3	22.9



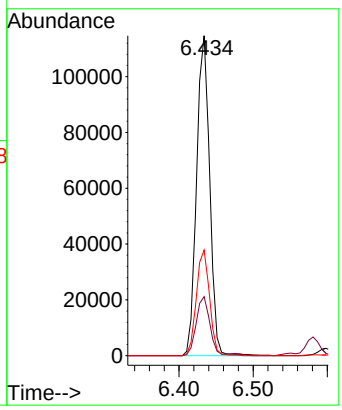


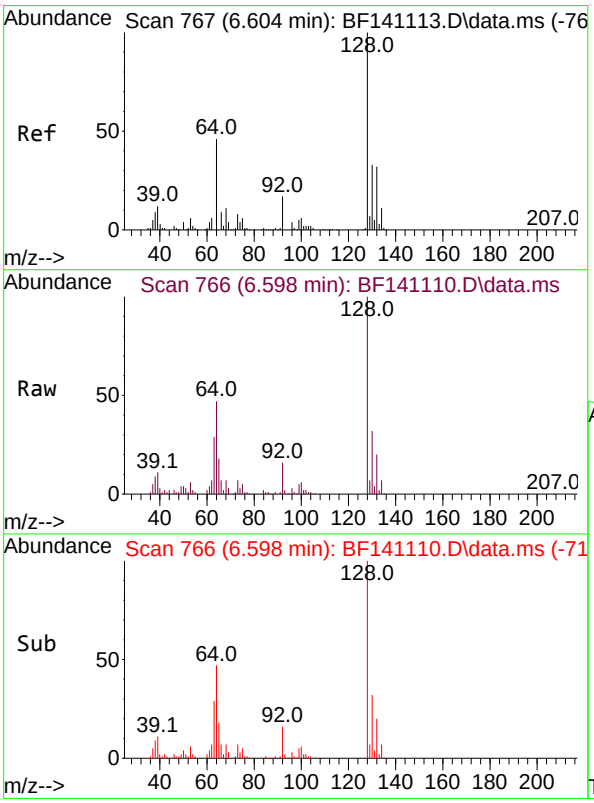
#7
Phenol-d6
Concen: 11.182 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 99 Resp: 140674

Ion	Ratio	Lower	Upper
99	100		
42	18.4	15.0	22.4
71	33.0	27.6	41.4

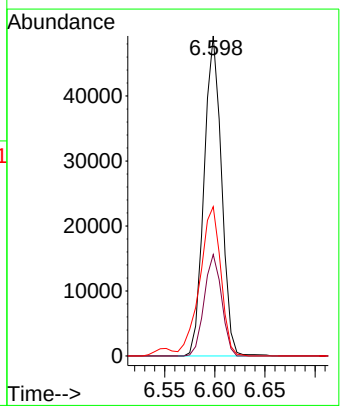


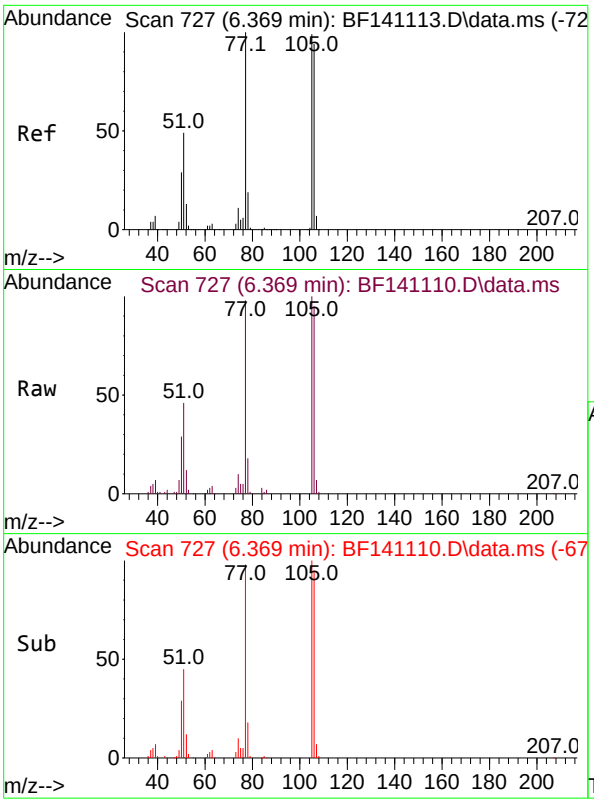


#8
2-Chlorophenol
Concen: 5.619 ng
RT: 6.598 min Scan# 766
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:128 Resp: 59870

Ion	Ratio	Lower	Upper
128	100		
130	31.7	12.5	52.5
64	46.6	28.3	68.3



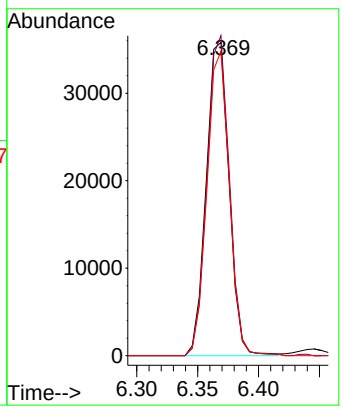


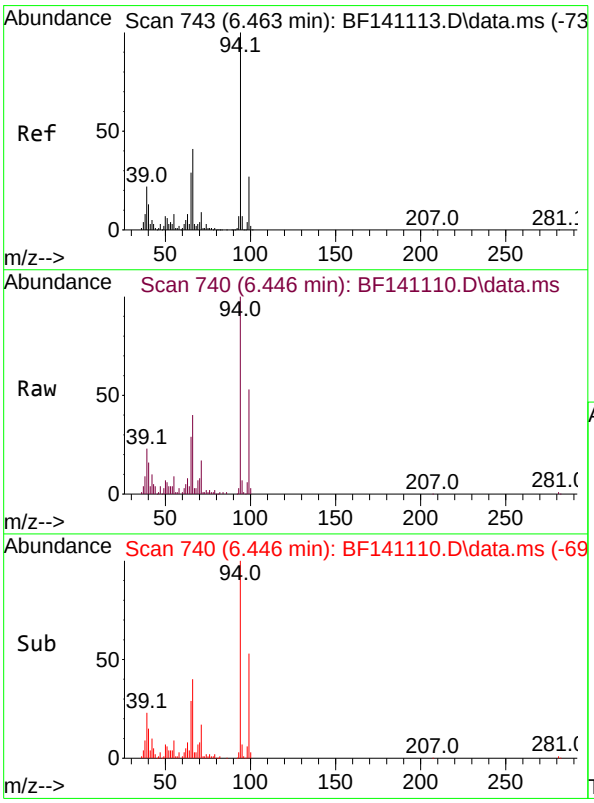
#9
Benzaldehyde
Concen: 6.629 ng
RT: 6.369 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 77 Resp: 46588

Ion	Ratio	Lower	Upper
77	100		
105	102.1	78.9	118.9
106	97.2	73.6	113.6

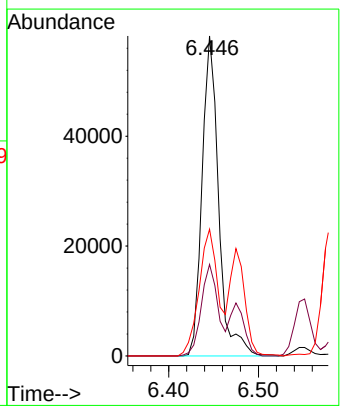


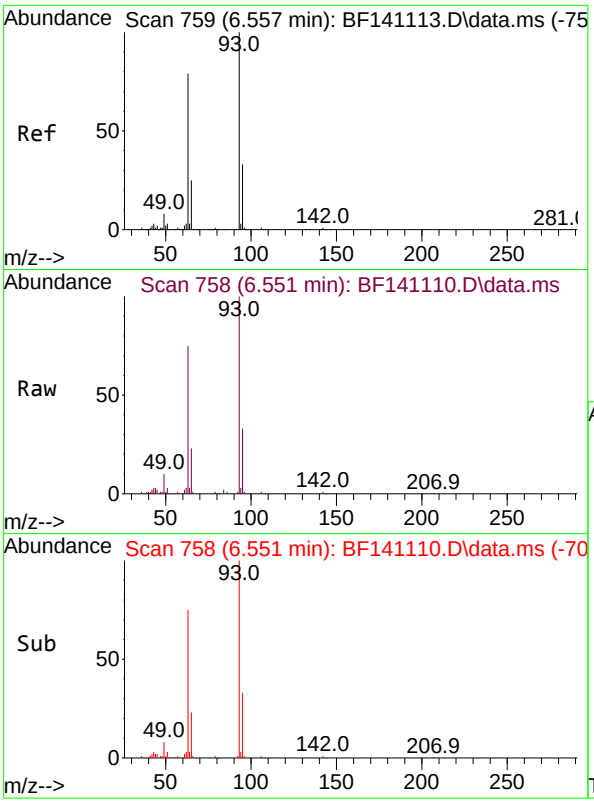


#10
Phenol
Concen: 5.534 ng
RT: 6.446 min Scan# 740
Delta R.T. -0.018 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion: 94 Resp: 74522

Ion	Ratio	Lower	Upper
94	100		
65	28.6	8.9	48.9
66	39.6	21.2	61.2



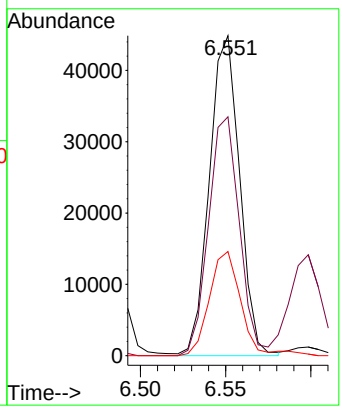


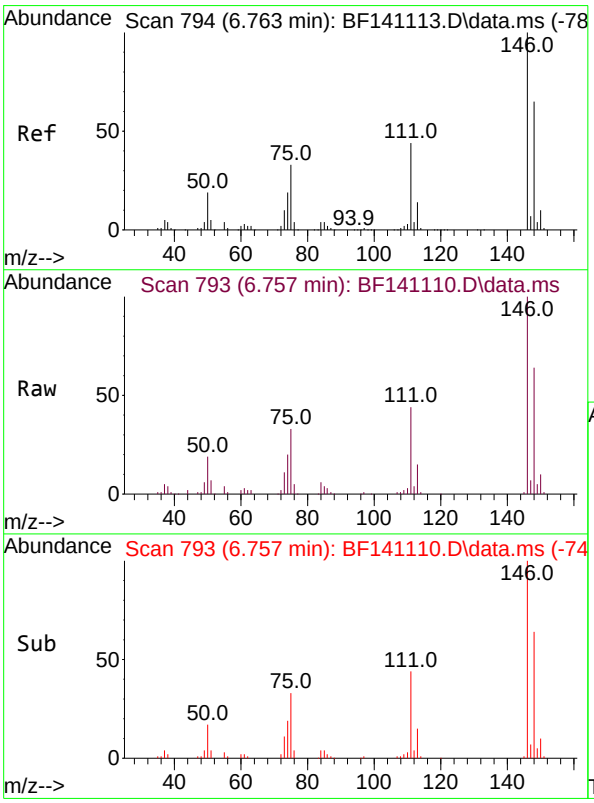
#11
bis(2-Chloroethyl)ether
Concen: 5.523 ng
RT: 6.551 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 55432

Ion	Ratio	Lower	Upper
93	100		
63	74.6	58.0	98.0
95	32.6	12.5	52.5

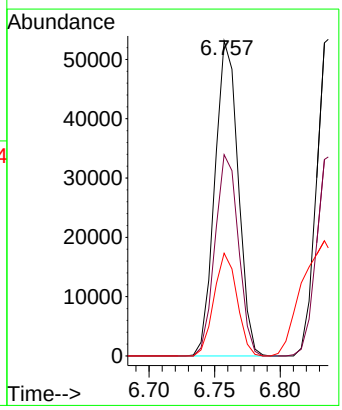


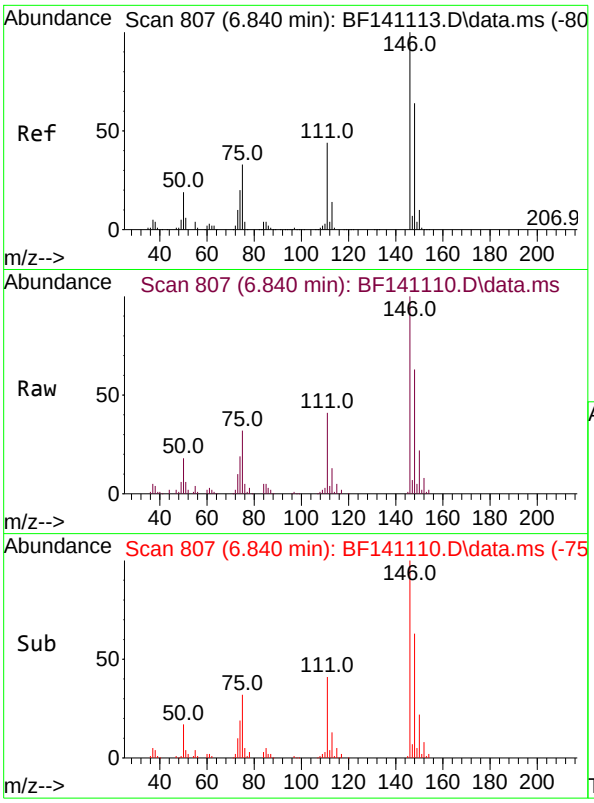


#12
1,3-Dichlorobenzene
Concen: 5.533 ng
RT: 6.757 min Scan# 793
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:146 Resp: 65753

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.6	77.4
75	32.6	26.2	39.2



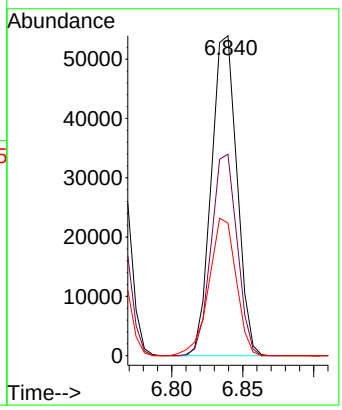


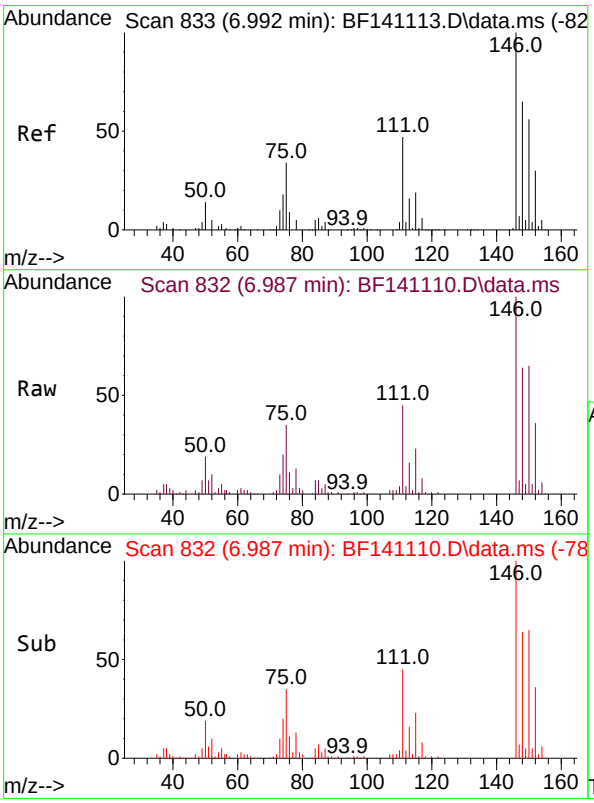
#13
1,4-Dichlorobenzene
Concen: 5.657 ng
RT: 6.840 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:146 Resp: 67741

Ion	Ratio	Lower	Upper
146	100		
148	63.0	51.0	76.6
111	41.4	34.9	52.3

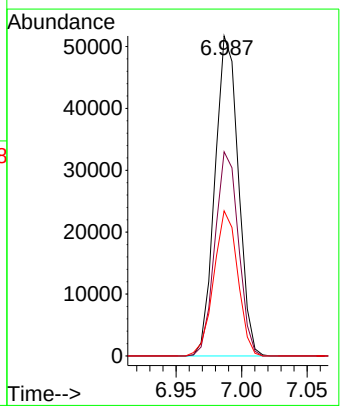


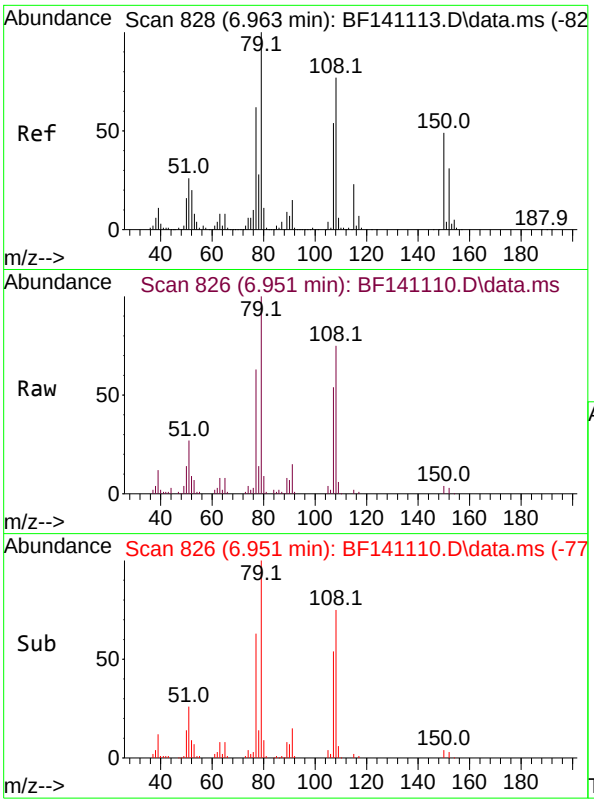


#14
1,2-Dichlorobenzene
Concen: 5.734 ng
RT: 6.987 min Scan# 832
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:146 Resp: 64051

Ion	Ratio	Lower	Upper
146	100		
148	63.8	52.2	78.4
111	45.4	37.5	56.3



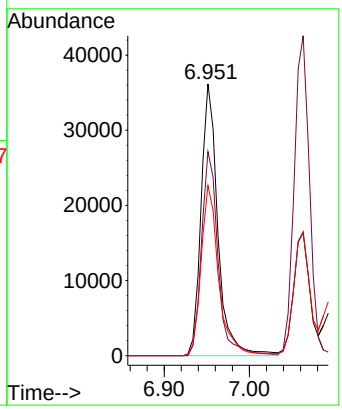


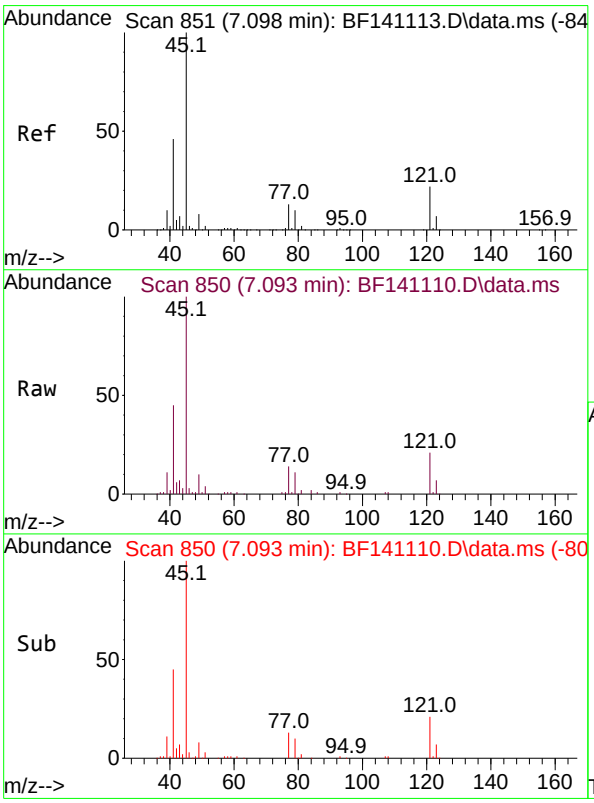
#15
Benzyl Alcohol
Concen: 5.452 ng
RT: 6.951 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 49532

Ion	Ratio	Lower	Upper
79	100		
108	75.0	61.4	92.0
77	62.6	49.8	74.6

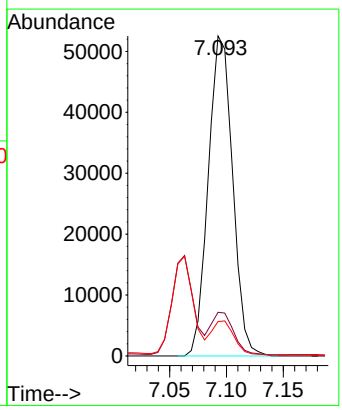


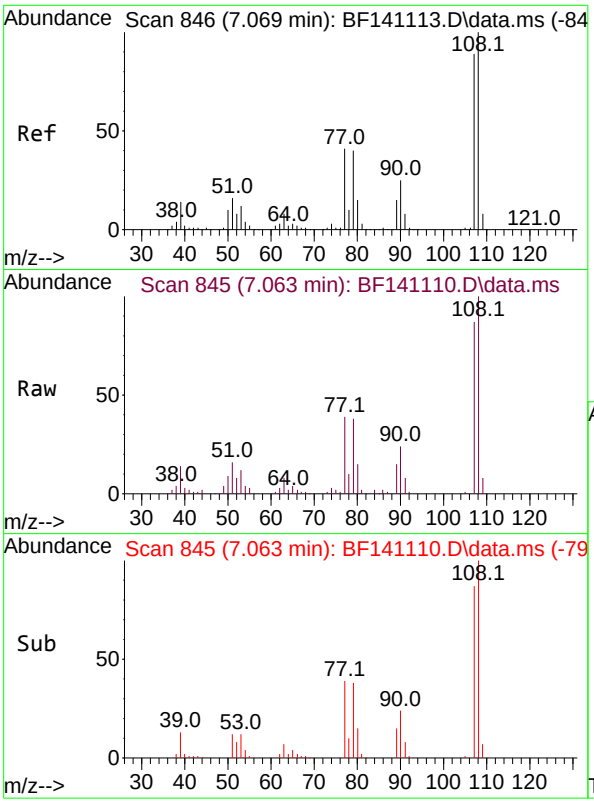


#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.603 ng
RT: 7.093 min Scan# 850
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion: 45 Resp: 78464

Ion	Ratio	Lower	Upper
45	100		
77	13.6	0.0	34.1
79	10.8	0.0	31.0



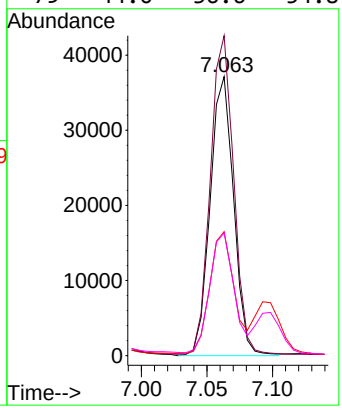


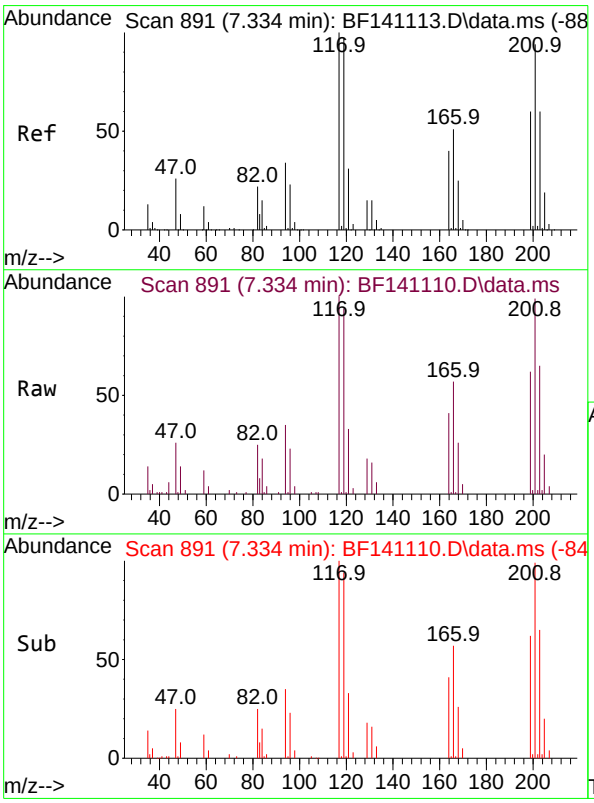
#17
2-Methylphenol
Concen: 5.391 ng
RT: 7.063 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:107 Resp: 46377

Ion	Ratio	Lower	Upper
107	100		
108	114.7	90.1	135.1
77	44.4	36.6	55.0
79	44.0	36.6	54.8

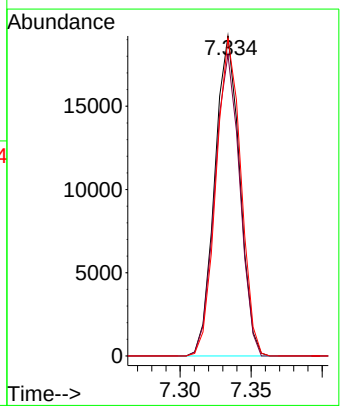


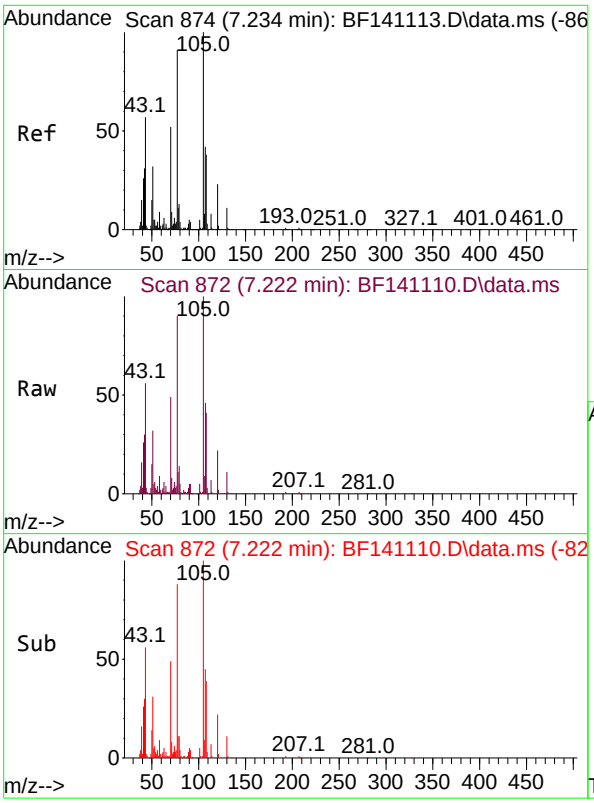


#18
Hexachloroethane
Concen: 5.407 ng
RT: 7.334 min Scan# 891
Delta R.T. 0.000 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:117 Resp: 23414

Ion	Ratio	Lower	Upper
117	100		
119	94.1	77.6	116.4
201	99.2	75.1	112.7



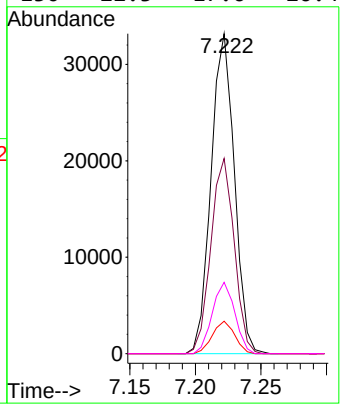


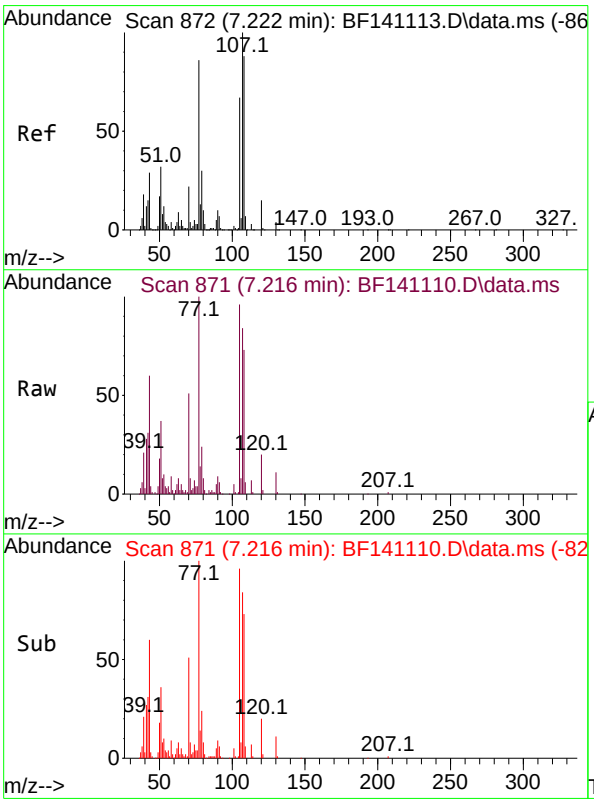
#19
n-Nitroso-di-n-propylamine
Concen: 5.526 ng
RT: 7.222 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 70 Resp: 40948

Ion	Ratio	Lower	Upper
70	100		
42	61.0	47.8	71.6
101	10.2	7.9	11.9
130	22.3	17.6	26.4

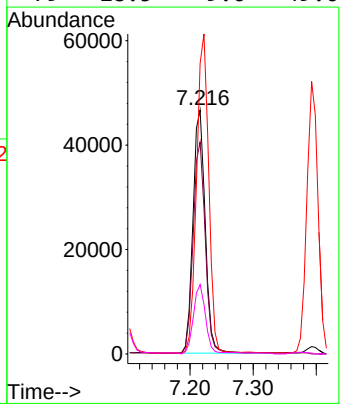


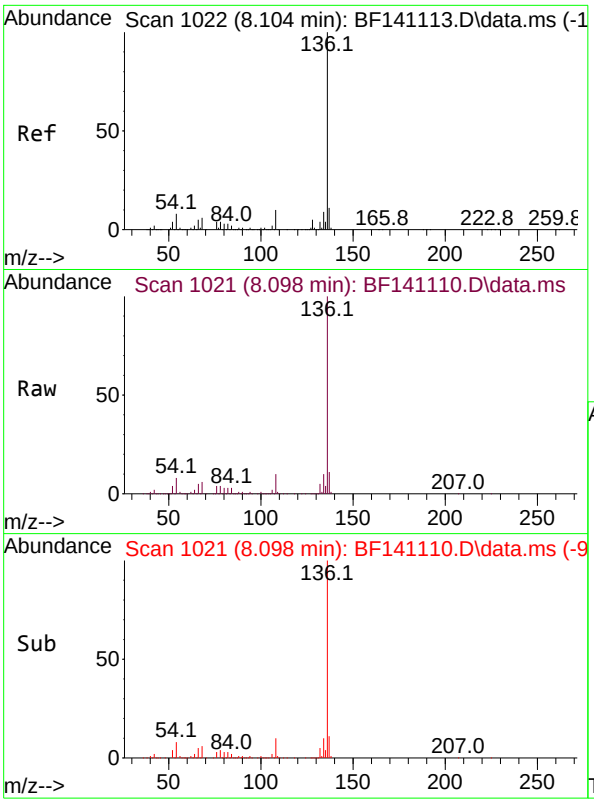


#20
3+4-Methylphenols
Concen: 5.763 ng
RT: 7.216 min Scan# 871
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:107 Resp: 62539

Ion	Ratio	Lower	Upper
107	100		
108	86.9	68.3	108.3
77	119.2	66.4	106.4#
79	28.5	9.6	49.6



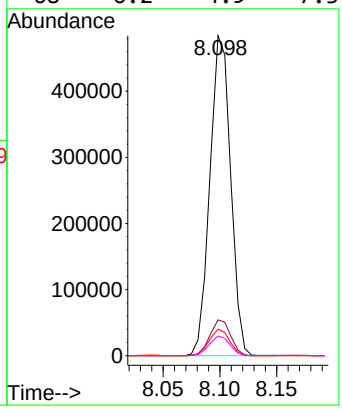


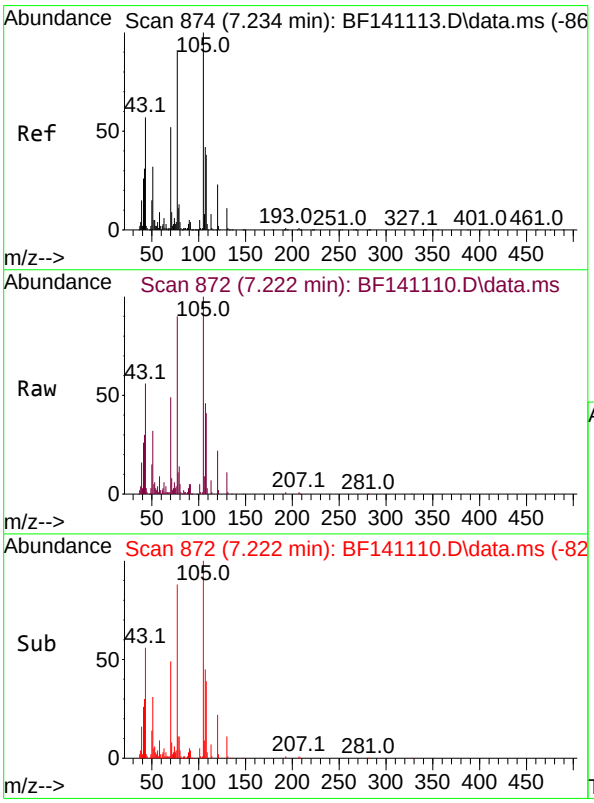
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:136 Resp: 614947

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.8	13.2
54	8.3	6.3	9.5
68	6.2	4.9	7.3

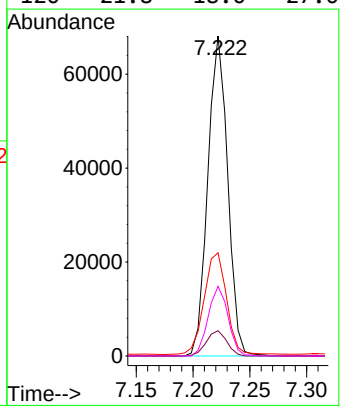


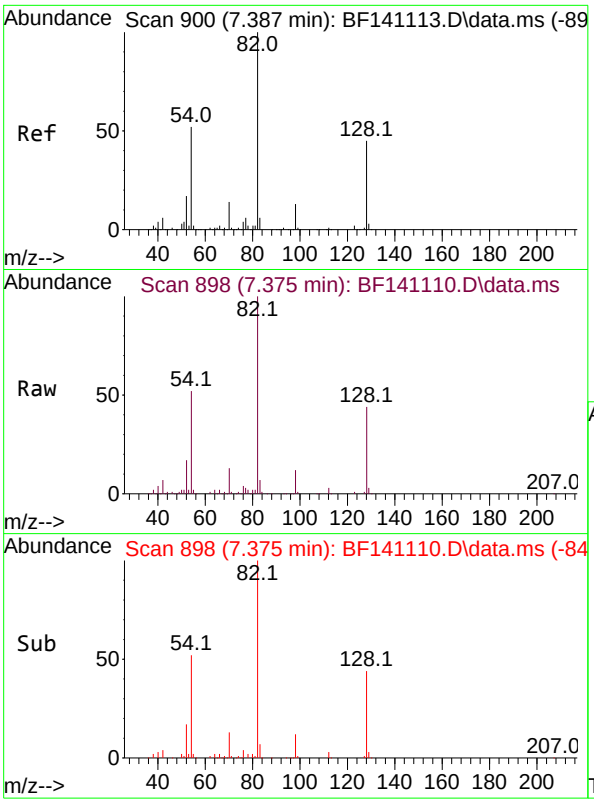


#22
Acetophenone
Concen: 5.667 ng
RT: 7.222 min Scan# 872
Delta R.T. -0.012 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:105 Resp: 82845

Ion	Ratio	Lower	Upper
105	100		
71	7.9	7.1	10.7
51	32.2	25.4	38.2
120	21.8	18.0	27.0



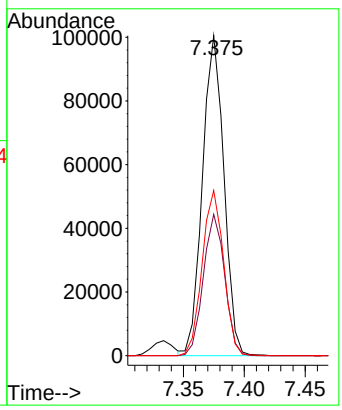


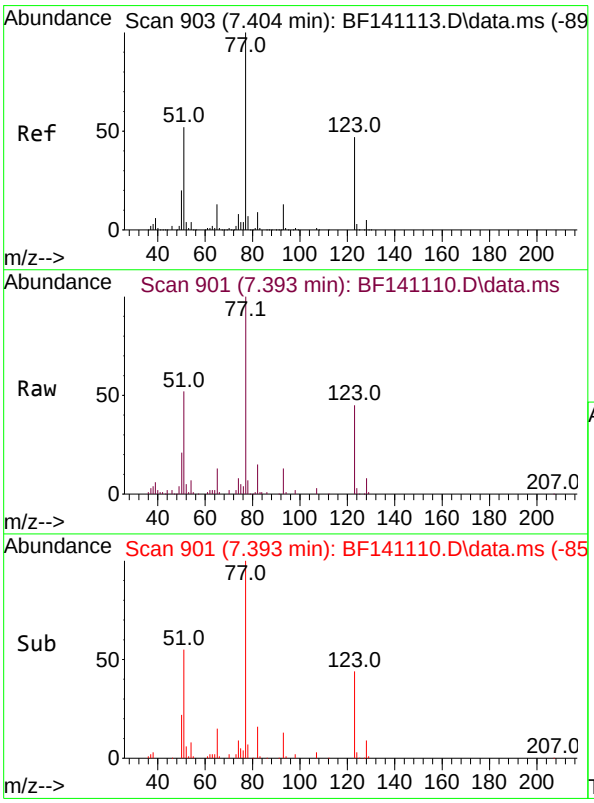
#23
Nitrobenzene-d5
Concen: 10.614 ng
RT: 7.375 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 123133

Ion	Ratio	Lower	Upper
82	100		
128	44.1	36.1	54.1
54	51.6	41.0	61.4

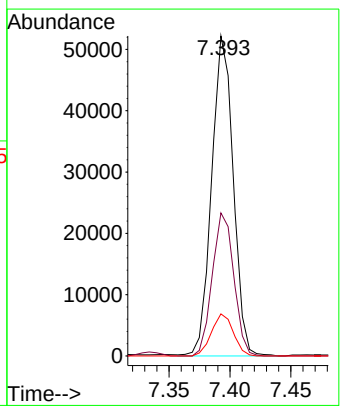


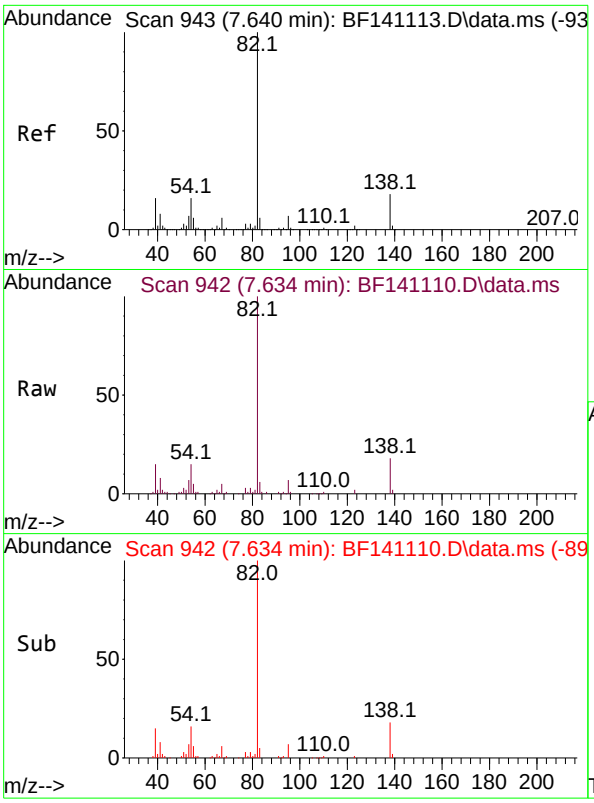


#24
Nitrobenzene
Concen: 5.326 ng
RT: 7.393 min Scan# 901
Delta R.T. -0.012 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion: 77 Resp: 64399

Ion	Ratio	Lower	Upper
77	100		
123	44.7	37.7	56.5
65	13.1	10.6	16.0



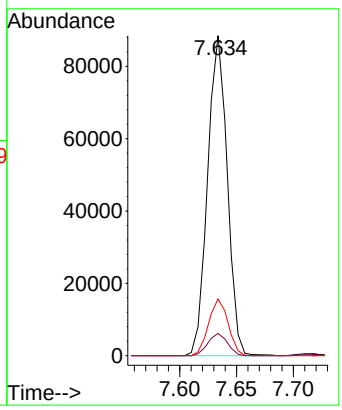


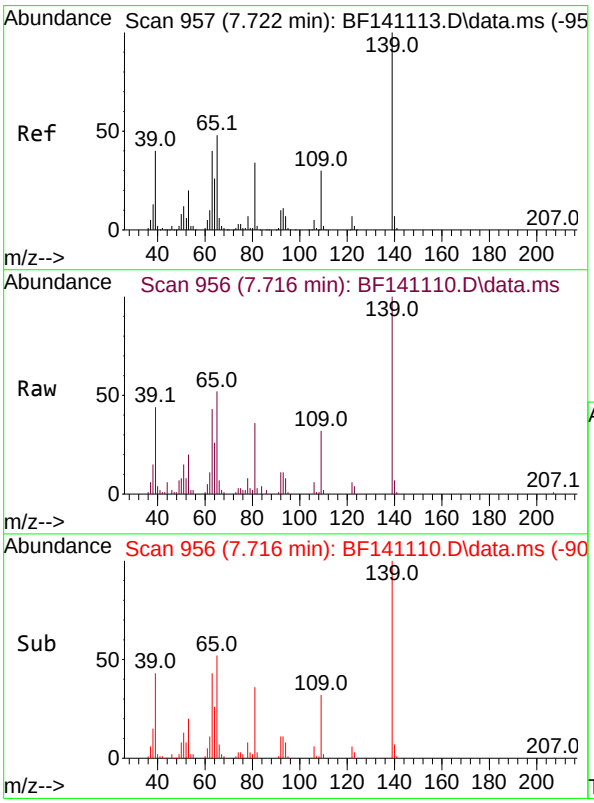
#25
Isophorone
Concen: 5.364 ng
RT: 7.634 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 106336

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.9	8.9
138	17.7	14.2	21.2

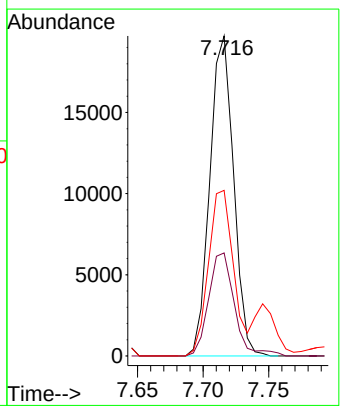


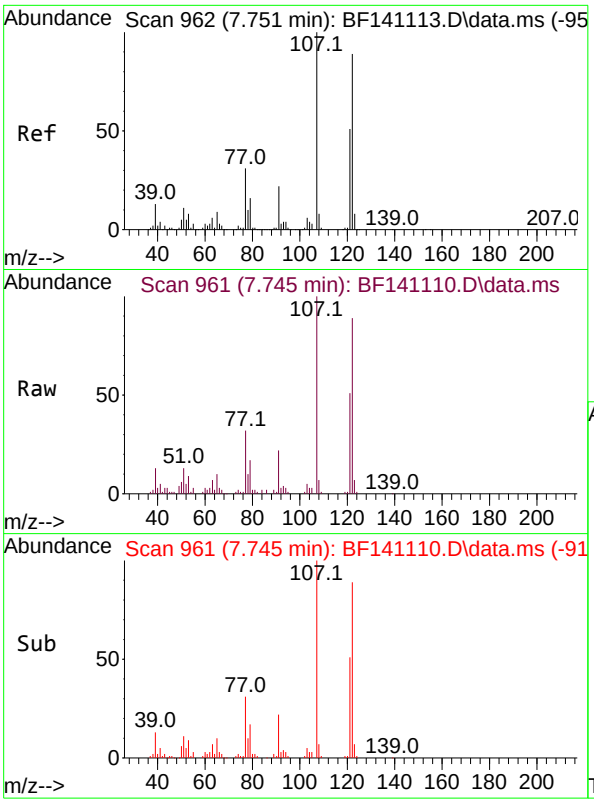


#26
2-Nitrophenol
Concen: 4.512 ng
RT: 7.716 min Scan# 956
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:139 Resp: 24814

Ion	Ratio	Lower	Upper
139	100		
109	32.2	23.8	35.6
65	51.8	38.5	57.7



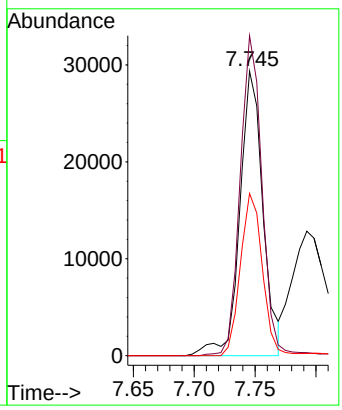


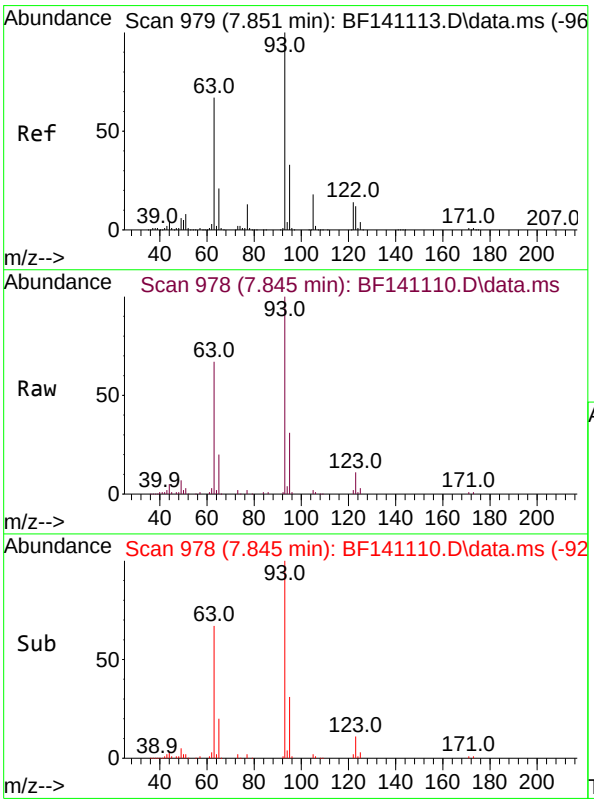
#27
2,4-Dimethylphenol
Concen: 5.219 ng
RT: 7.745 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:122 Resp: 38719

Ion	Ratio	Lower	Upper
122	100		
107	112.5	90.3	135.5
121	57.0	46.5	69.7

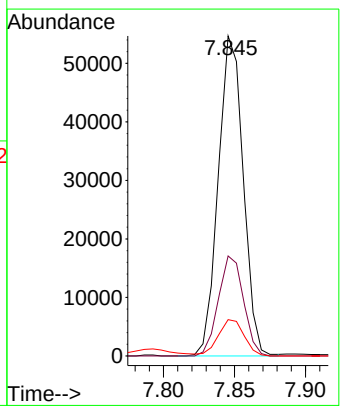


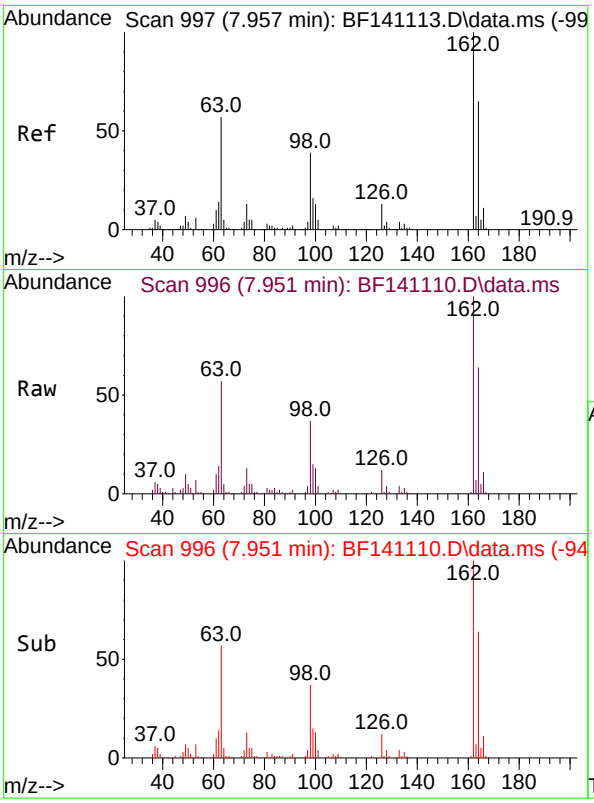


#28
bis(2-Chloroethoxy)methane
Concen: 5.372 ng
RT: 7.845 min Scan# 978
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion: 93 Resp: 66840

Ion	Ratio	Lower	Upper
93	100		
95	31.3	26.2	39.4
123	11.4	10.1	15.1



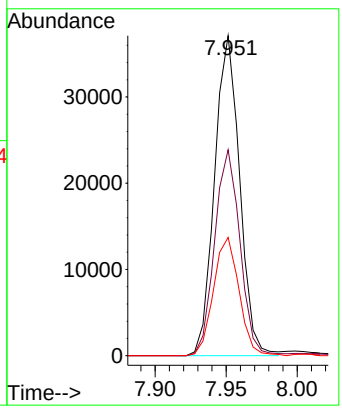


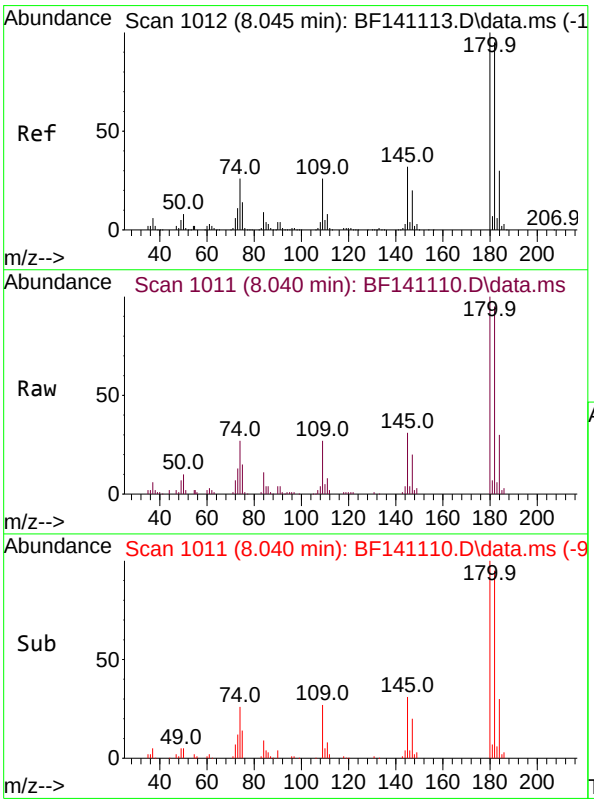
#29
2,4-Dichlorophenol
Concen: 5.171 ng
RT: 7.951 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 45561

Ion	Ratio	Lower	Upper
162	100		
164	64.3	44.5	84.5
98	36.9	18.5	58.5

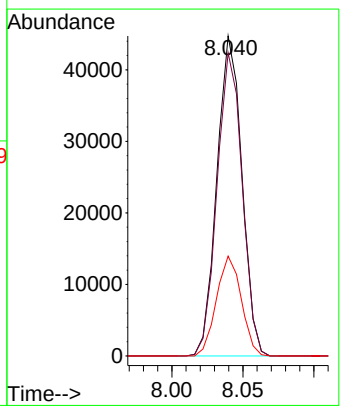


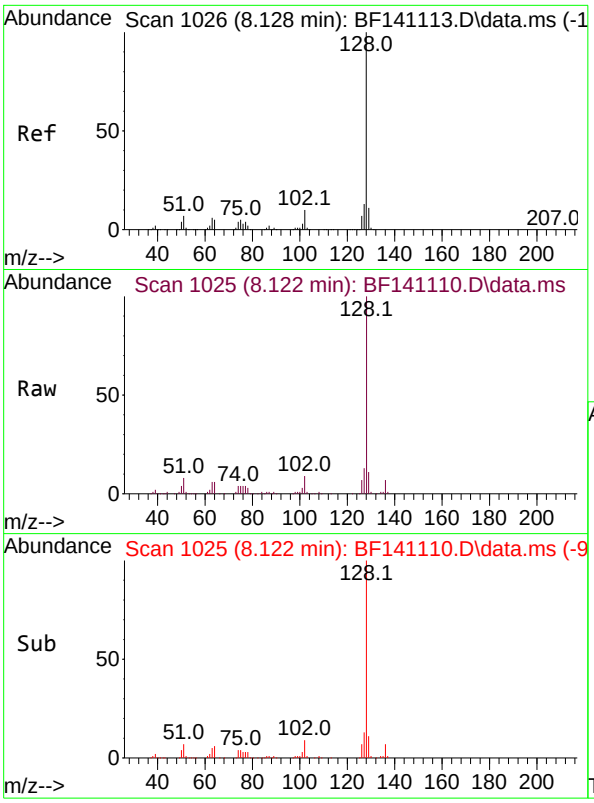


#30
1,2,4-Trichlorobenzene
Concen: 5.433 ng
RT: 8.040 min Scan# 1011
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:180 Resp: 54712

Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.2	114.2
145	31.2	25.3	37.9



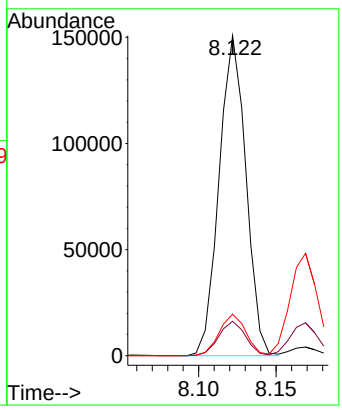


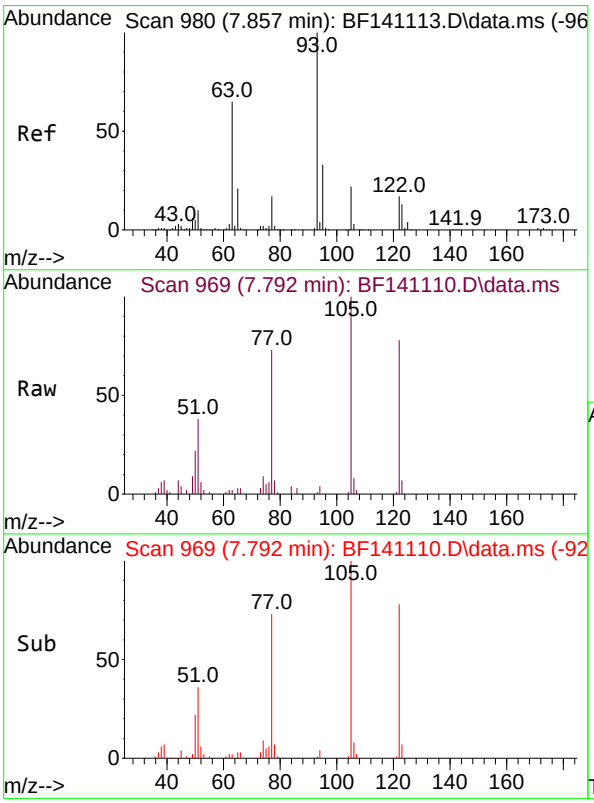
#31
Naphthalene
Concen: 5.585 ng
RT: 8.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:128 Resp: 181124

Ion	Ratio	Lower	Upper
128	100		
129	10.7	9.0	13.6
127	13.0	10.8	16.2

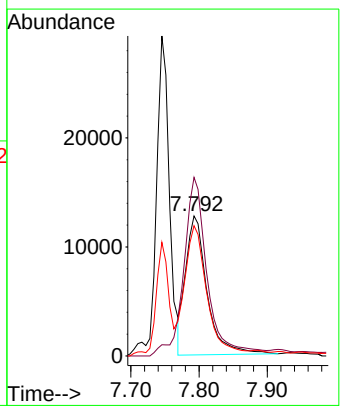


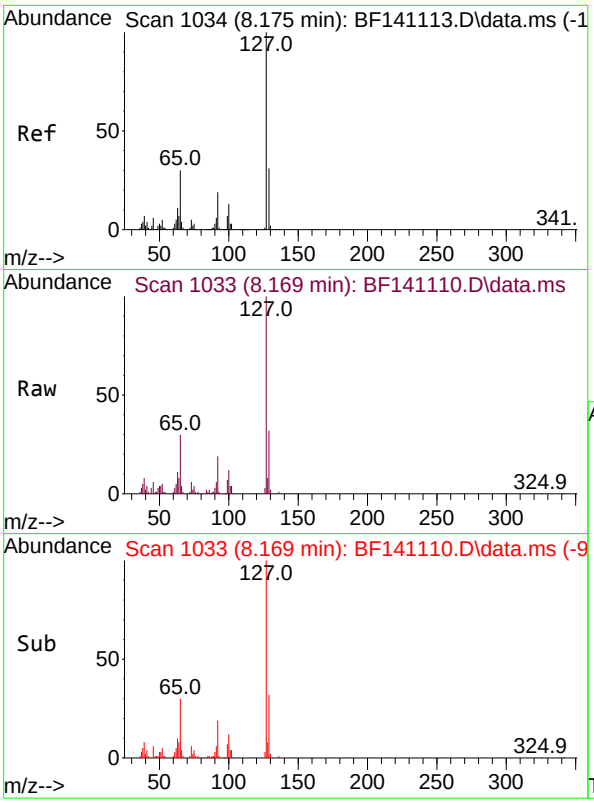


#32
Benzoic acid
Concen: 3.921 ng
RT: 7.792 min Scan# 969
Delta R.T. -0.065 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:122 Resp: 27905

Ion	Ratio	Lower	Upper
122	100		
105	127.6	105.5	145.5
77	93.1	75.1	115.1



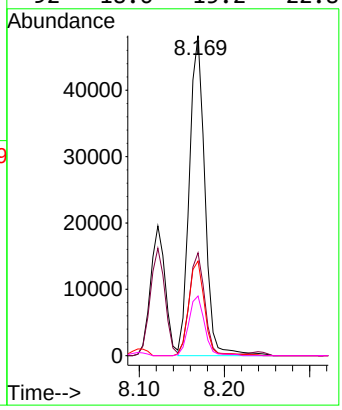


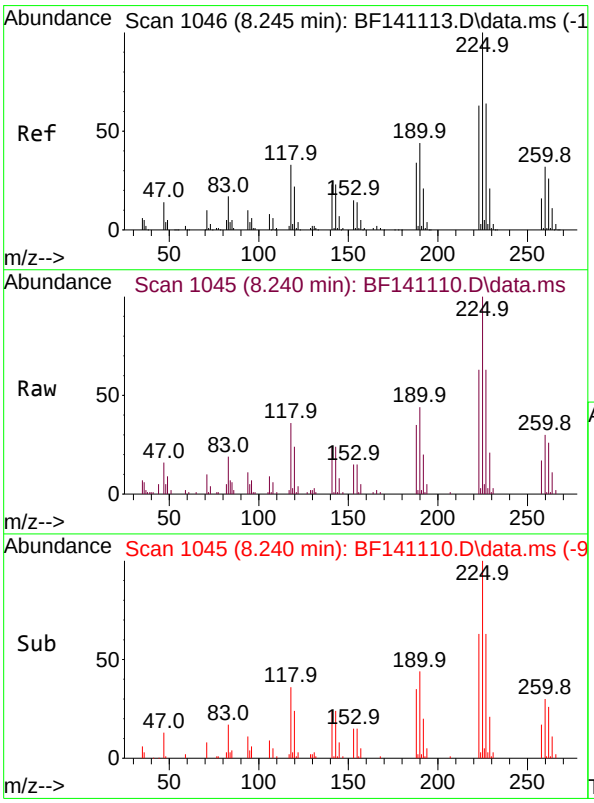
#33
4-Chloroaniline
Concen: 5.448 ng
RT: 8.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:127 Resp: 61099

Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.9	38.9
65	29.6	23.8	35.8
92	18.6	15.2	22.8

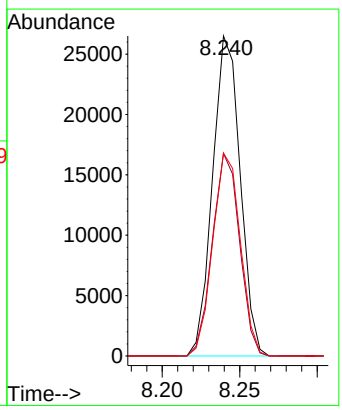


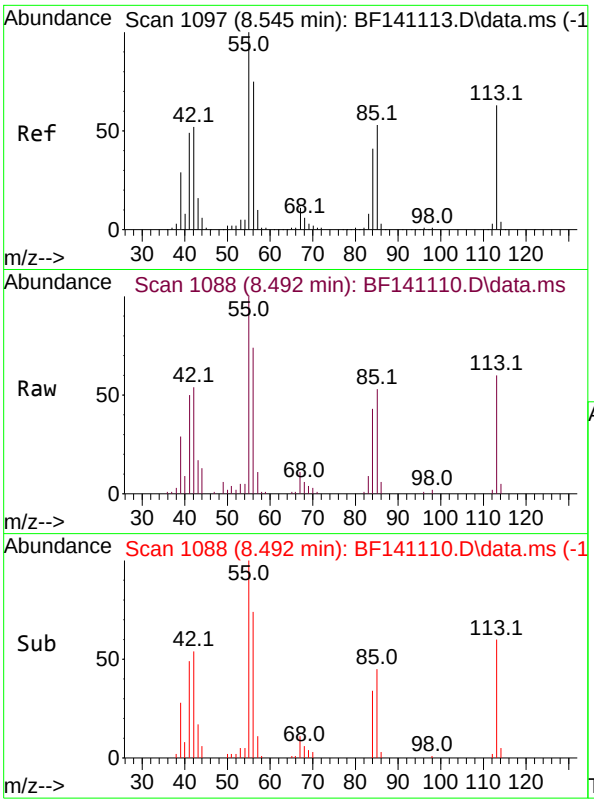


#34
Hexachlorobutadiene
Concen: 5.408 ng
RT: 8.240 min Scan# 1045
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:225 Resp: 32815

Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.6	76.0
227	63.4	51.6	77.4



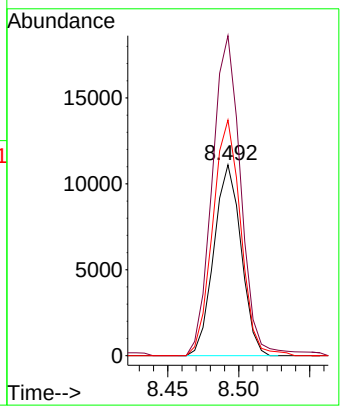


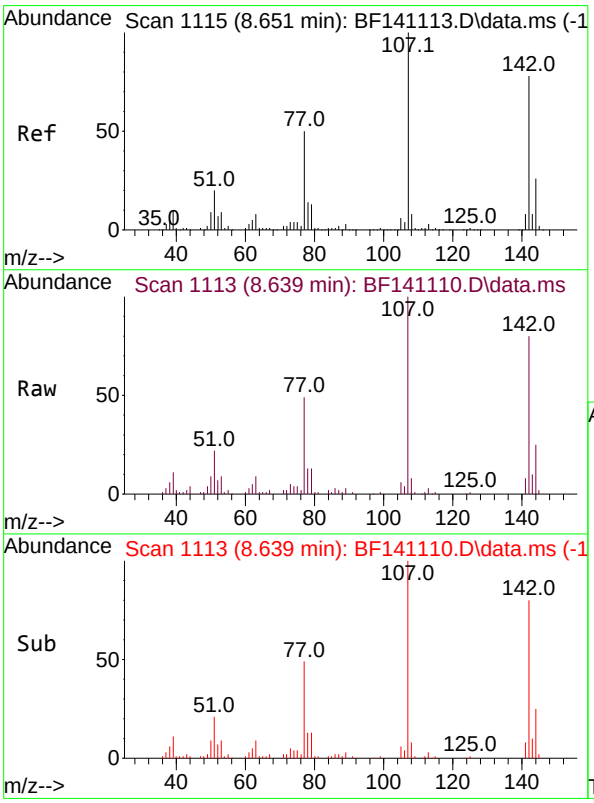
#35
Caprolactam
Concen: 5.127 ng
RT: 8.492 min Scan# 1
Delta R.T. -0.053 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:113 Resp: 14819

Ion	Ratio	Lower	Upper
113	100		
55	167.7	139.7	179.7
56	123.5	99.4	139.4

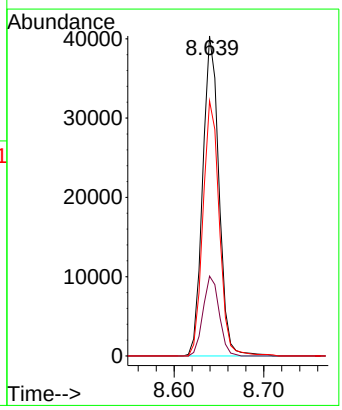


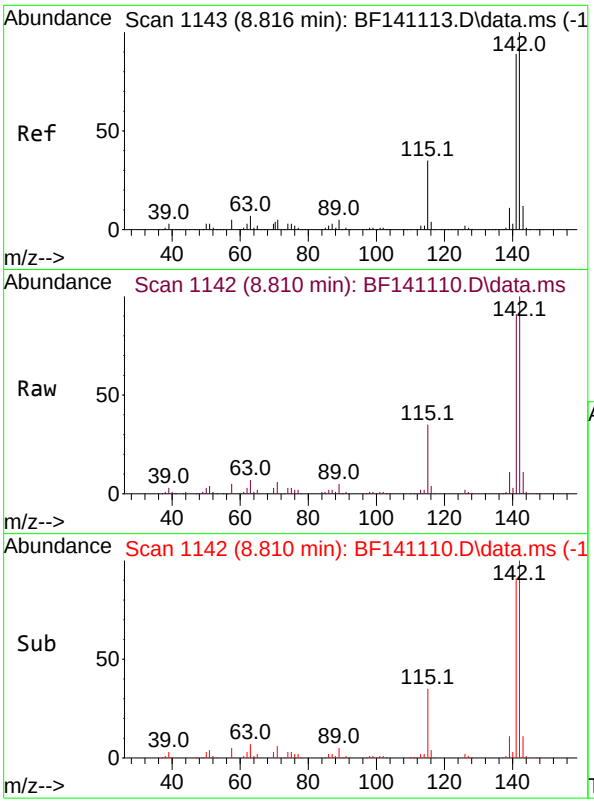


#36
4-Chloro-3-methylphenol
Concen: 5.278 ng
RT: 8.639 min Scan# 1113
Delta R.T. -0.012 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:107 Resp: 50853

Ion	Ratio	Lower	Upper
107	100		
144	25.0	20.4	30.6
142	79.7	62.2	93.2



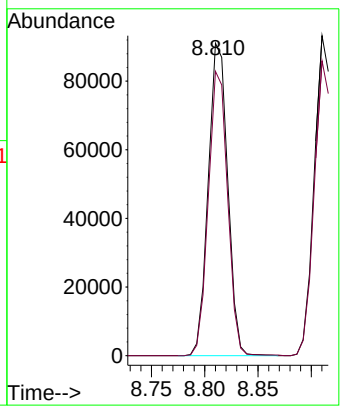


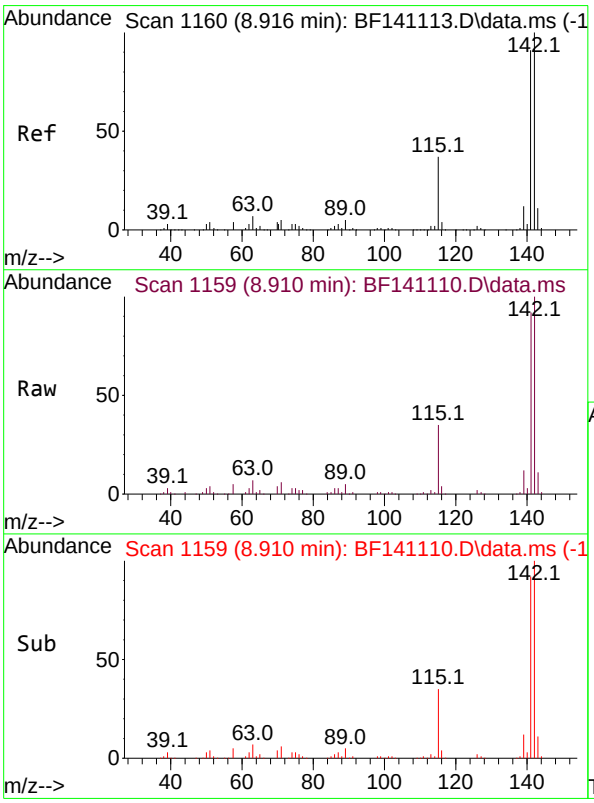
#37
2-Methylnaphthalene
Concen: 5.591 ng
RT: 8.810 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:142 Resp: 115532

Ion	Ratio	Lower	Upper
142	100		
141	91.0	71.3	106.9

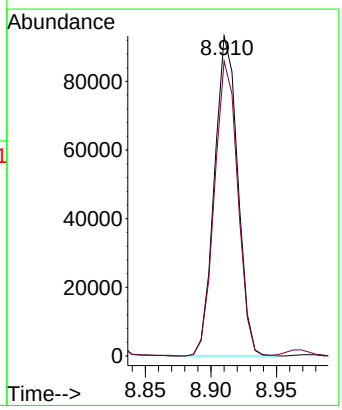


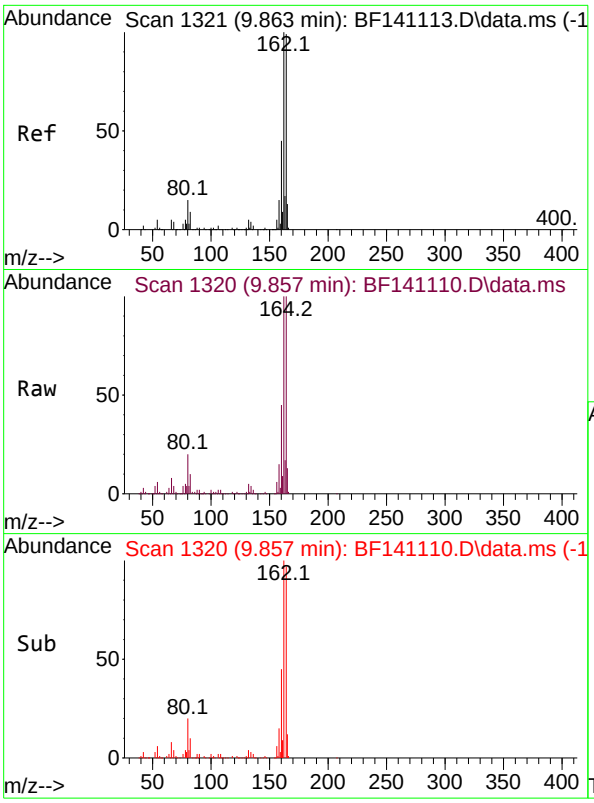


#38
1-Methylnaphthalene
Concen: 5.637 ng
RT: 8.910 min Scan# 1159
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:142 Resp: 114809

Ion	Ratio	Lower	Upper
142	100		
141	92.2	73.1	109.7



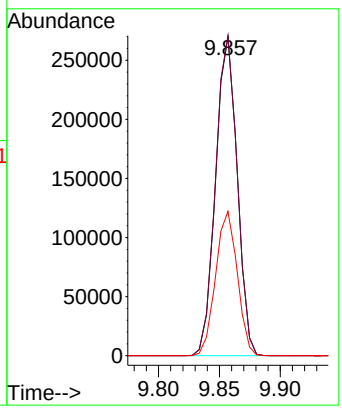


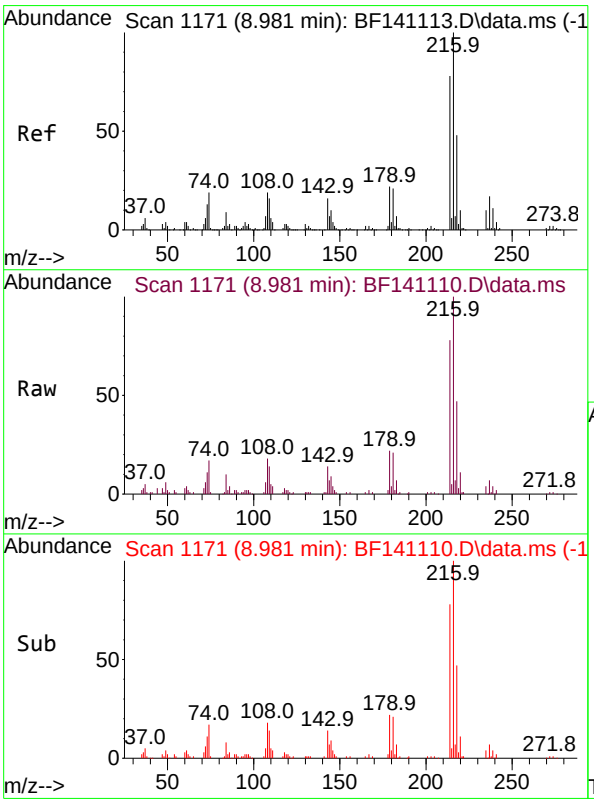
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:164 Resp: 332087

Ion	Ratio	Lower	Upper
164	100		
162	100.4	81.0	121.4
160	45.3	36.1	54.1

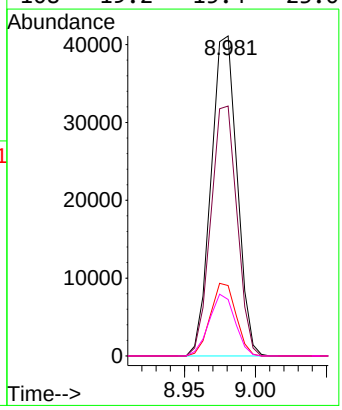


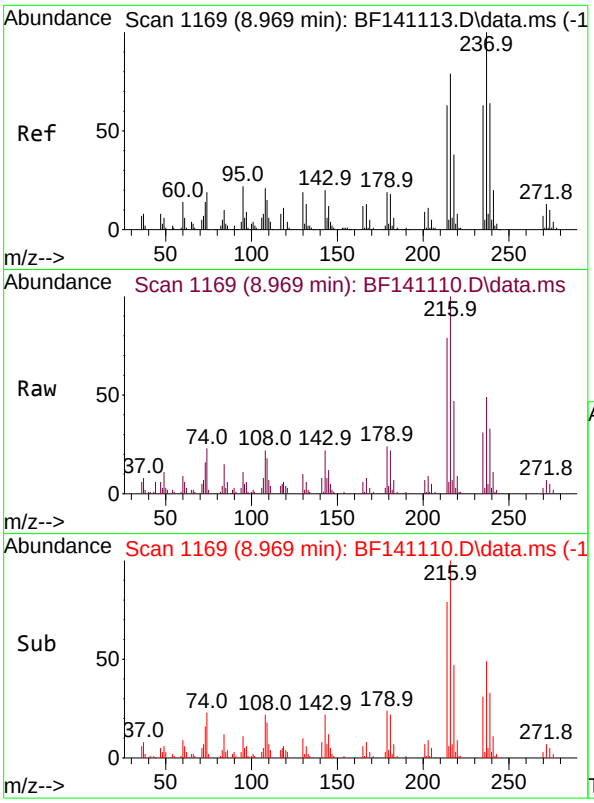


#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.506 ng
RT: 8.981 min Scan# 1171
Delta R.T. 0.000 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:216 Resp: 52480

Ion	Ratio	Lower	Upper
216	100		
214	78.2	62.6	94.0
179	22.4	17.7	26.5
108	19.2	15.4	23.0



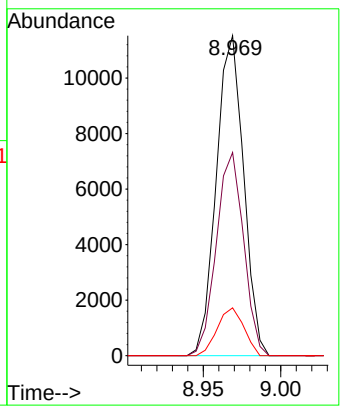


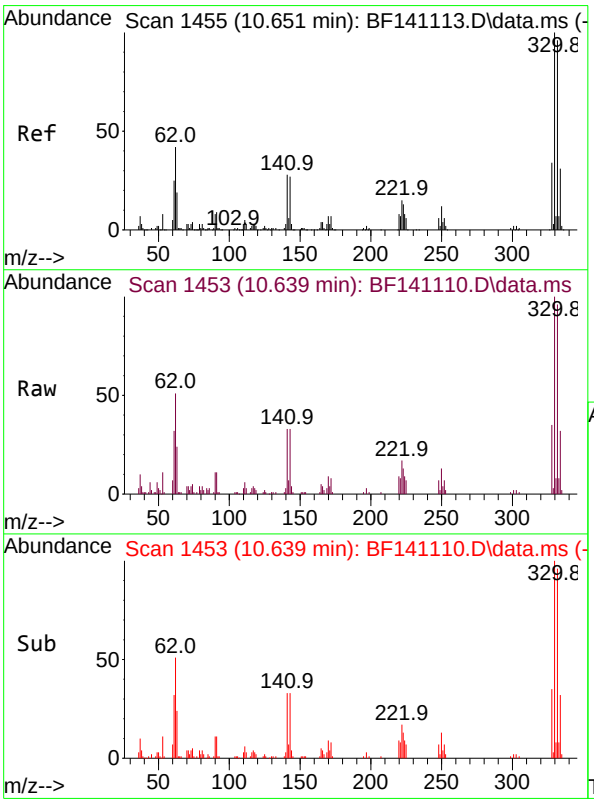
#41
Hexachlorocyclopentadiene
Concen: 4.534 ng
RT: 8.969 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:237 Resp: 14138

Ion	Ratio	Lower	Upper
237	100		
235	63.5	43.0	83.0
272	15.0	0.0	33.0

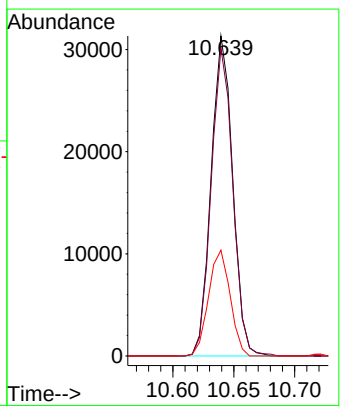


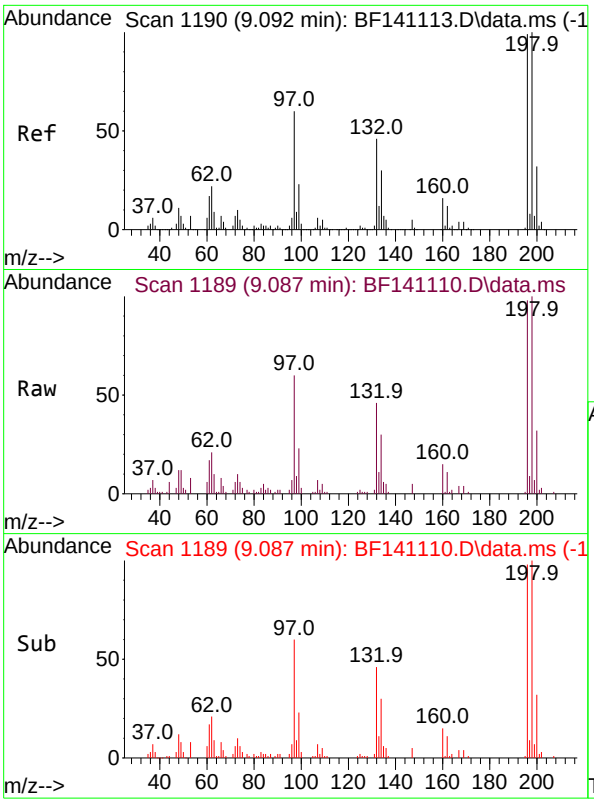


#42
2,4,6-Tribromophenol
Concen: 10.205 ng
RT: 10.639 min Scan# 1453
Delta R.T. -0.012 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:330 Resp: 38615

Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.9	115.3
141	33.2	25.2	37.8



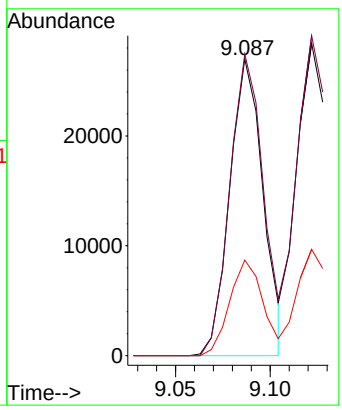


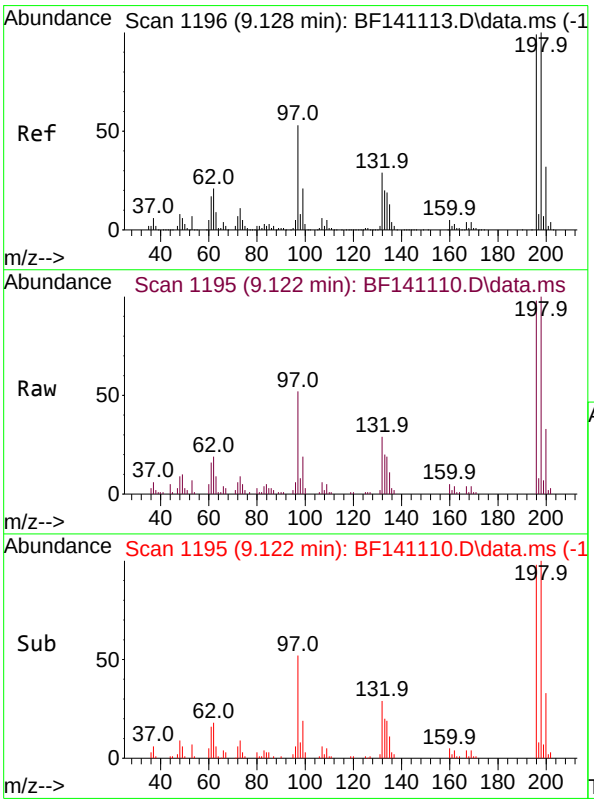
#43
2,4,6-Trichlorophenol
Concen: 5.149 ng
RT: 9.087 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:196 Resp: 33100

Ion	Ratio	Lower	Upper
196	100		
198	101.7	80.8	121.2
200	32.2	25.7	38.5

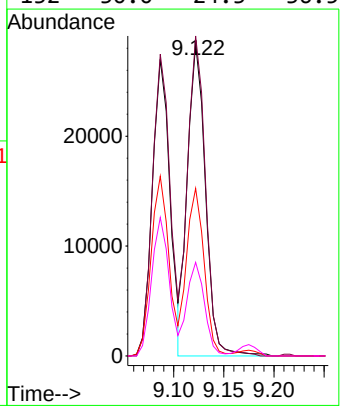


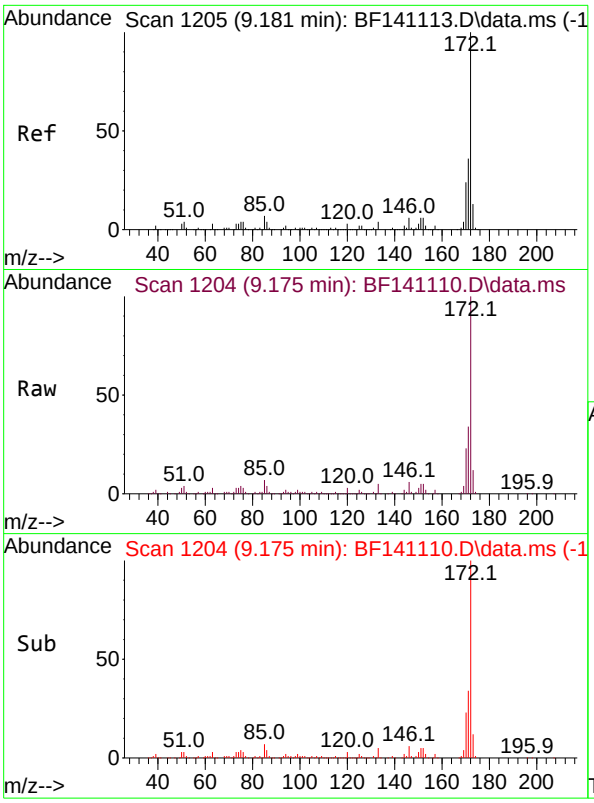


#44
2,4,5-Trichlorophenol
Concen: 5.244 ng
RT: 9.122 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:196 Resp: 35605

Ion	Ratio	Lower	Upper
196	100		
198	102.5	80.6	120.8
97	53.7	43.1	64.7
132	30.0	24.3	36.5



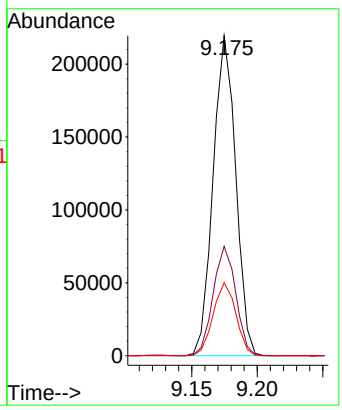


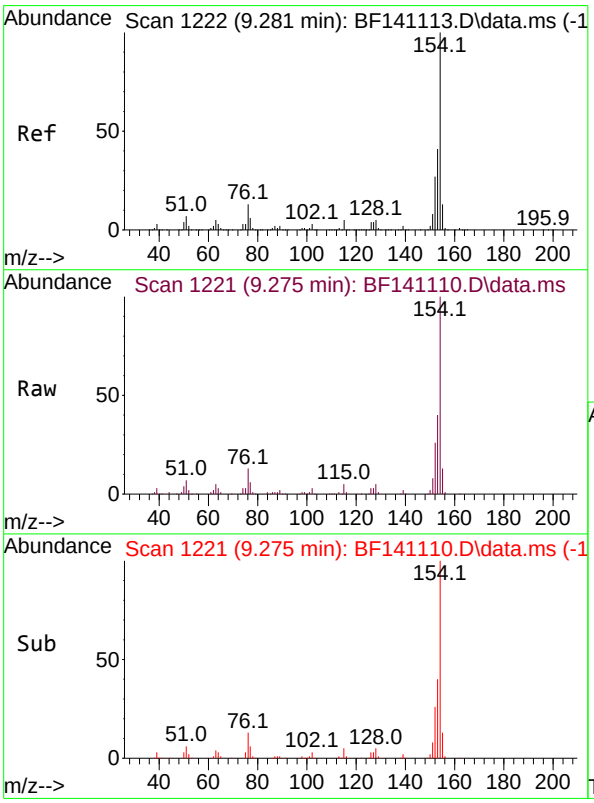
#45
2-Fluorobiphenyl
Concen: 12.080 ng
RT: 9.175 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:172 Resp: 262701

Ion	Ratio	Lower	Upper
172	100		
171	34.2	28.7	43.1
170	22.8	19.0	28.6

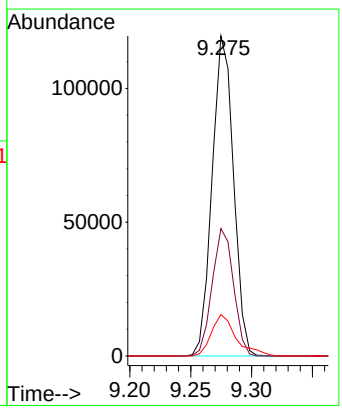


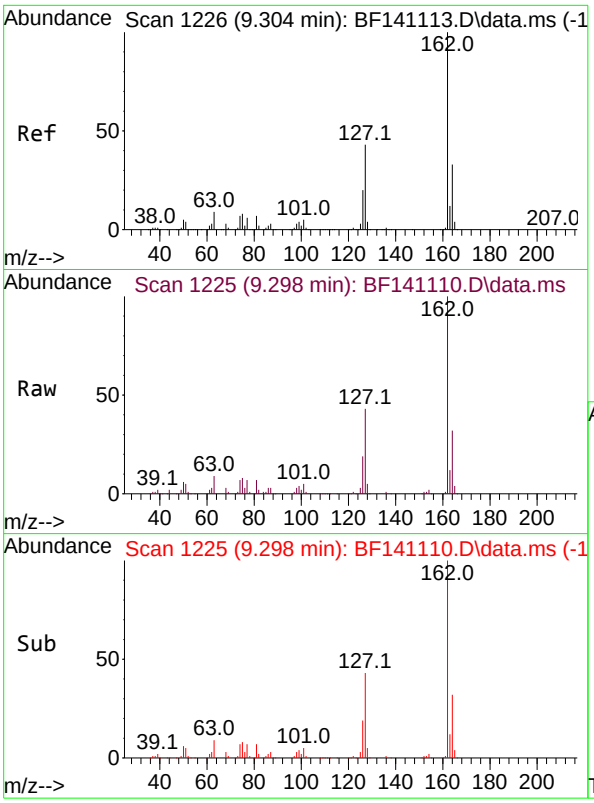


#46
1,1'-Biphenyl
Concen: 5.668 ng
RT: 9.275 min Scan# 1221
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:154 Resp: 146178

Ion	Ratio	Lower	Upper
154	100		
153	39.8	20.7	60.7
76	13.0	0.0	33.1



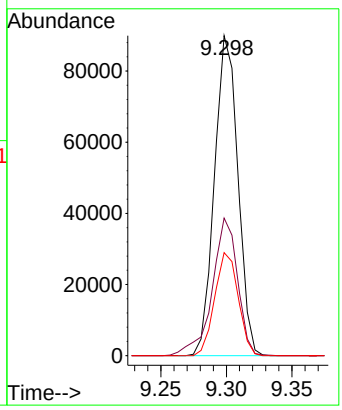


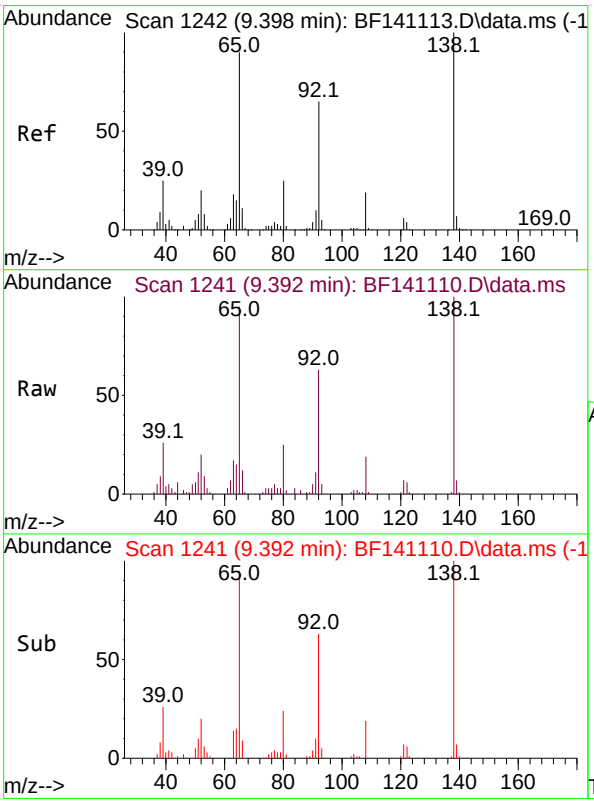
#47
2-Chloronaphthalene
Concen: 5.559 ng
RT: 9.298 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 111654

Ion	Ratio	Lower	Upper
162	100		
127	43.0	34.6	51.8
164	32.2	26.5	39.7

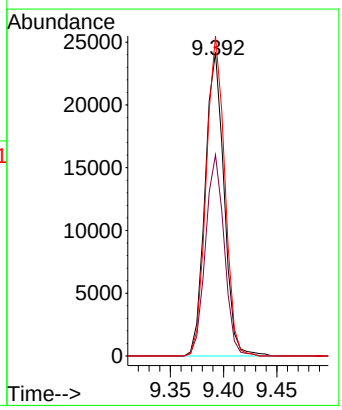


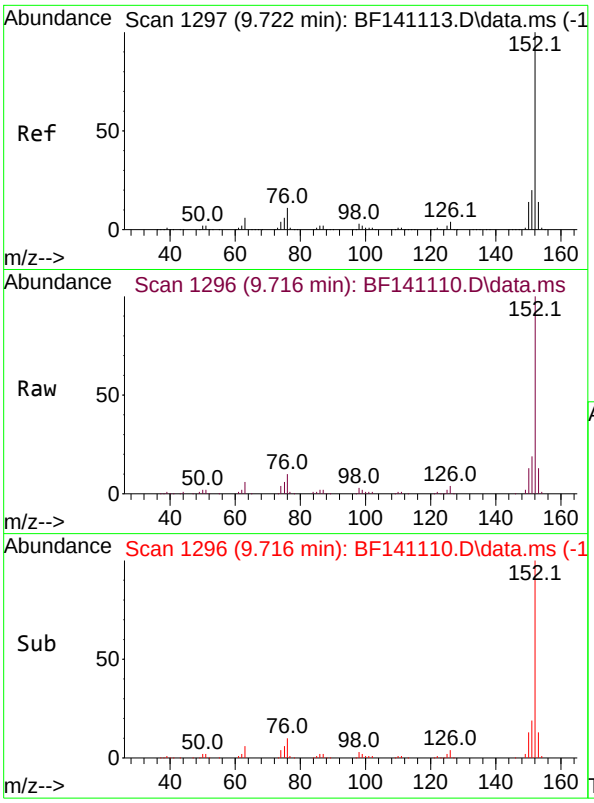


#48
2-Nitroaniline
Concen: 5.021 ng
RT: 9.392 min Scan# 1241
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion: 65 Resp: 29900

Ion	Ratio	Lower	Upper
65	100		
92	66.2	58.3	87.5
138	105.4	89.1	133.7



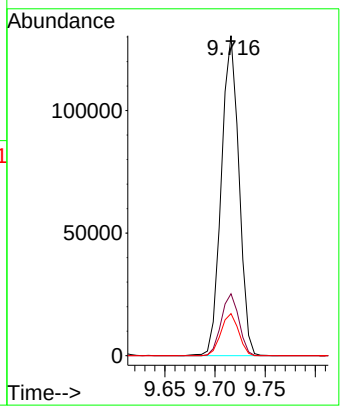


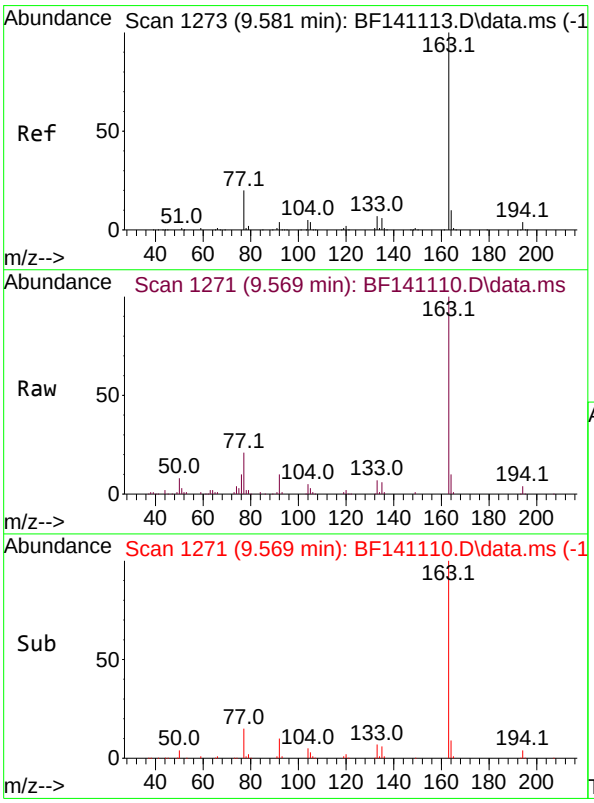
#49
Acenaphthylene
Concen: 5.541 ng
RT: 9.716 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 159028

Ion	Ratio	Lower	Upper
152	100		
151	19.4	16.1	24.1
153	13.1	11.1	16.7

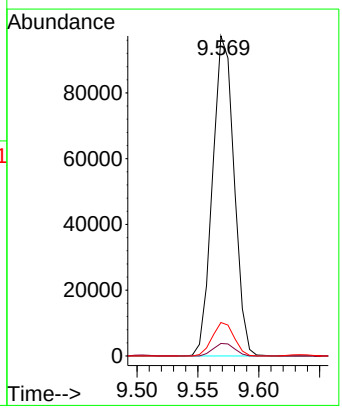


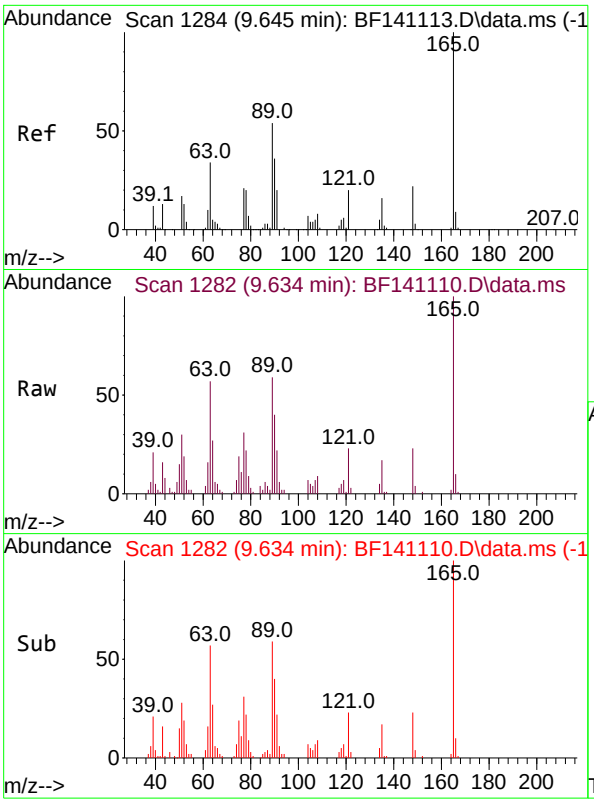


#50
Dimethylphthalate
Concen: 5.389 ng
RT: 9.569 min Scan# 1271
Delta R.T. -0.012 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:163 Resp: 120152

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.0	4.6
164	10.5	8.2	12.4



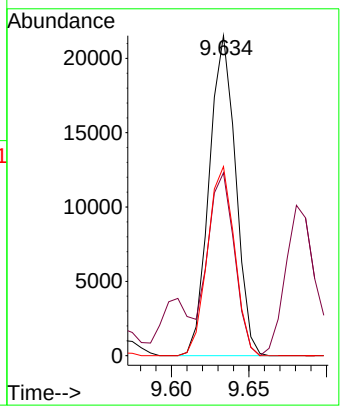


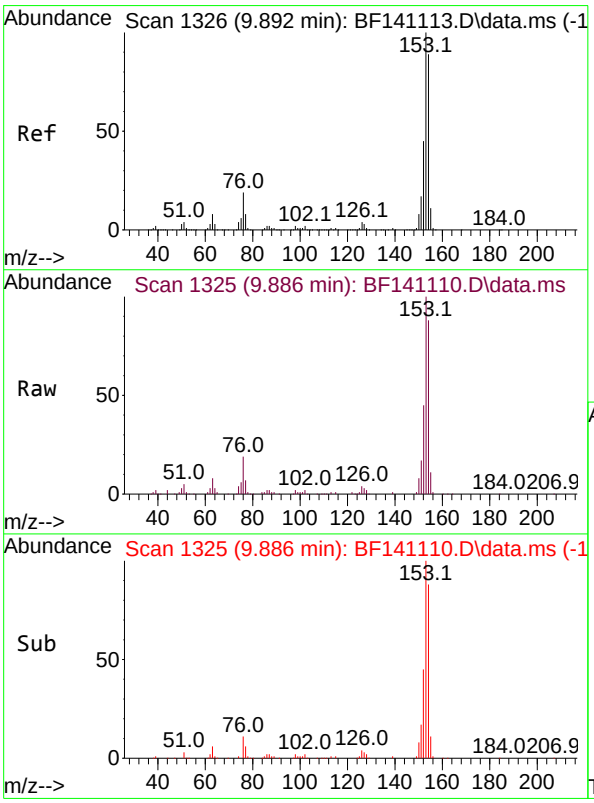
#51
2,6-Dinitrotoluene
Concen: 4.929 ng
RT: 9.634 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:165 Resp: 25553

Ion	Ratio	Lower	Upper
165	100		
63	57.2	42.3	63.5
89	59.1	43.1	64.7

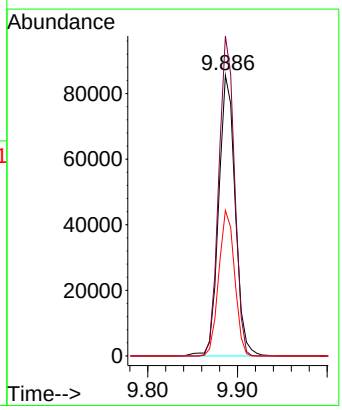


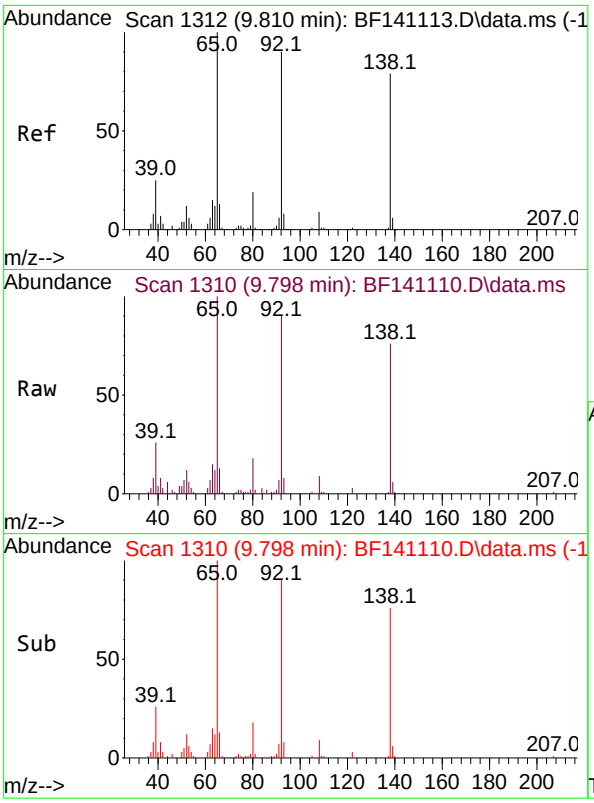


#52
Acenaphthene
Concen: 5.452 ng
RT: 9.886 min Scan# 1325
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:154 Resp: 109318

Ion	Ratio	Lower	Upper
154	100		
153	114.0	89.8	134.6
152	51.9	40.8	61.2



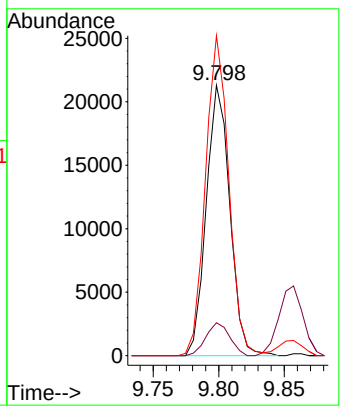


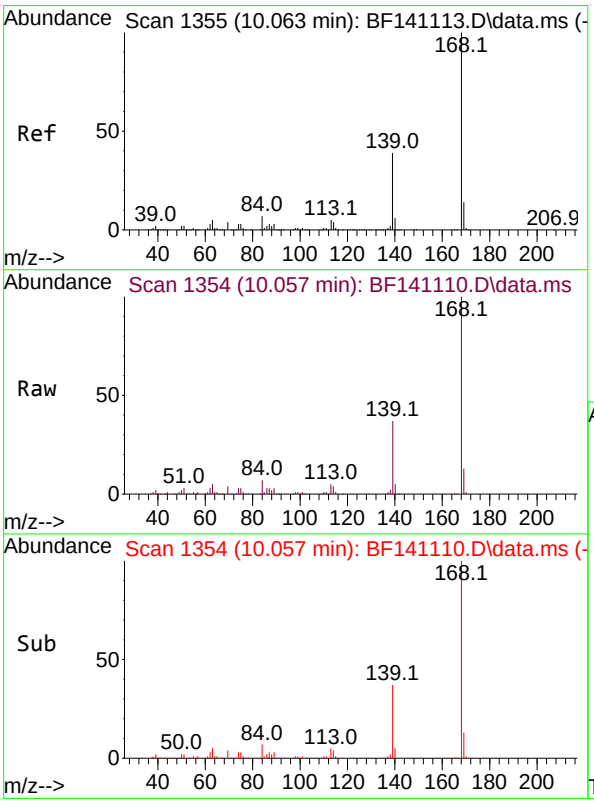
#53
3-Nitroaniline
Concen: 5.058 ng
RT: 9.798 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:138 Resp: 26650

Ion	Ratio	Lower	Upper
138	100		
108	12.2	8.8	13.2
92	118.4	91.3	136.9

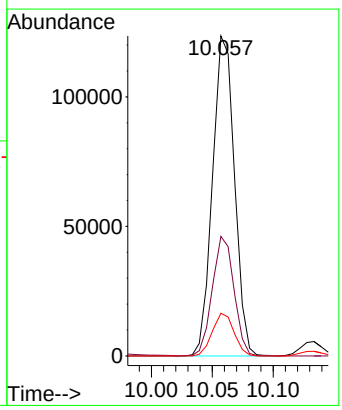


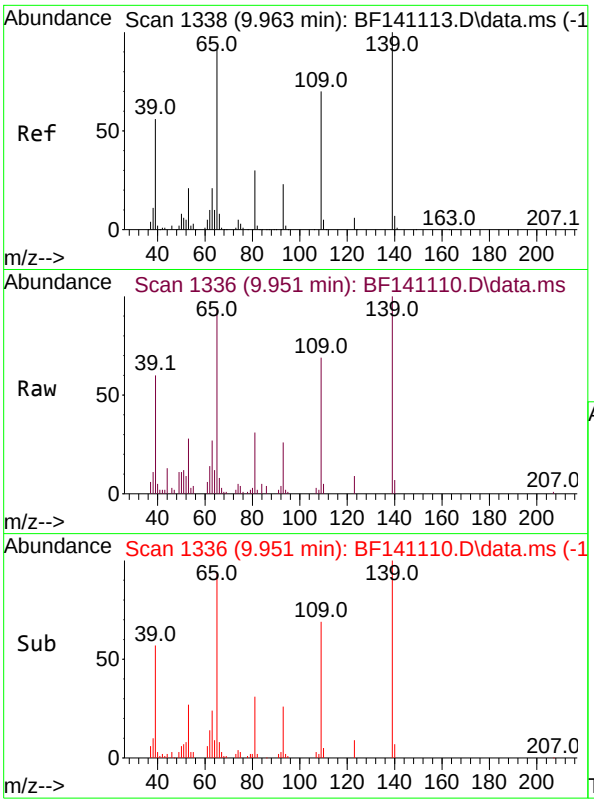


#55
Dibenzofuran
Concen: 5.680 ng
RT: 10.057 min Scan# 1354
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:168 Resp: 154910

Ion	Ratio	Lower	Upper
168	100		
139	37.3	31.4	47.0
169	13.4	10.9	16.3



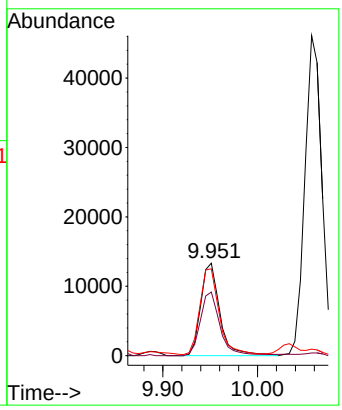


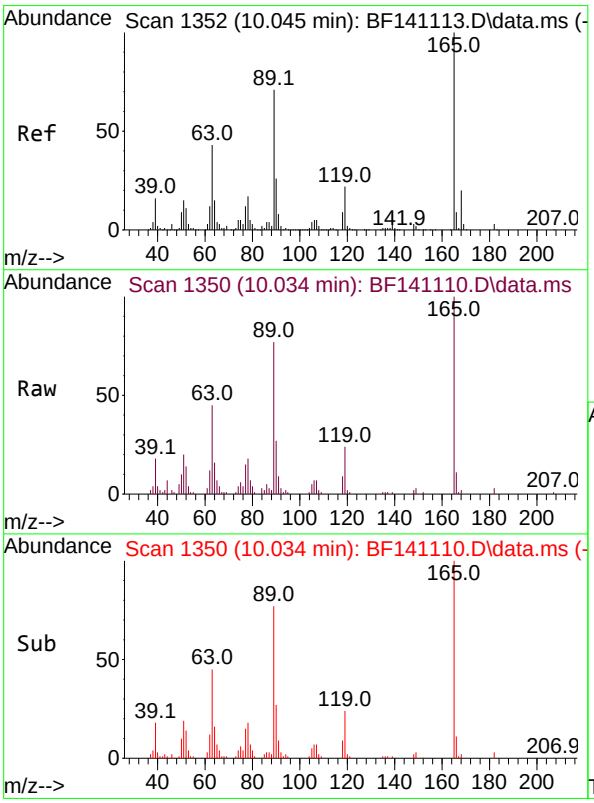
#56
4-Nitrophenol
Concen: 4.505 ng
RT: 9.951 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:139 Resp: 18587

Ion	Ratio	Lower	Upper
139	100		
109	68.8	50.2	90.2
65	93.9	72.1	112.1

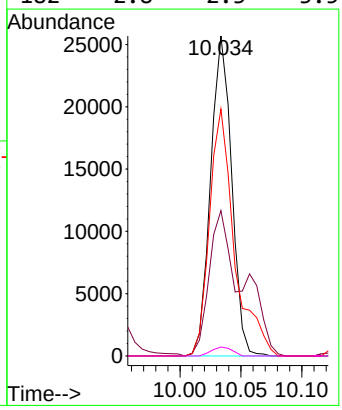


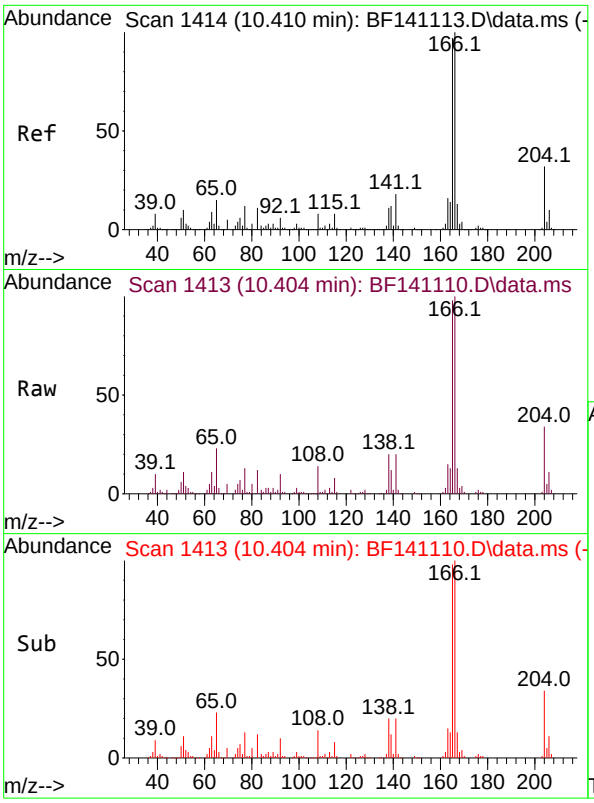


#57
2,4-Dinitrotoluene
Concen: 4.619 ng
RT: 10.034 min Scan# 1350
Delta R.T. -0.012 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:165 Resp: 30860

Ion	Ratio	Lower	Upper
165	100		
63	45.4	35.0	52.4
89	77.2	56.7	85.1
182	2.8	2.3	3.5



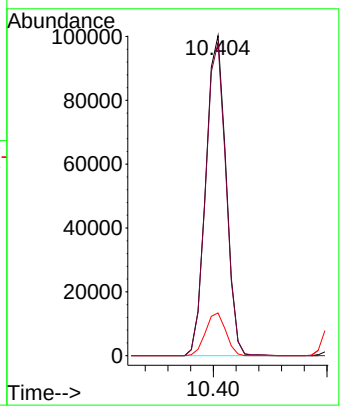


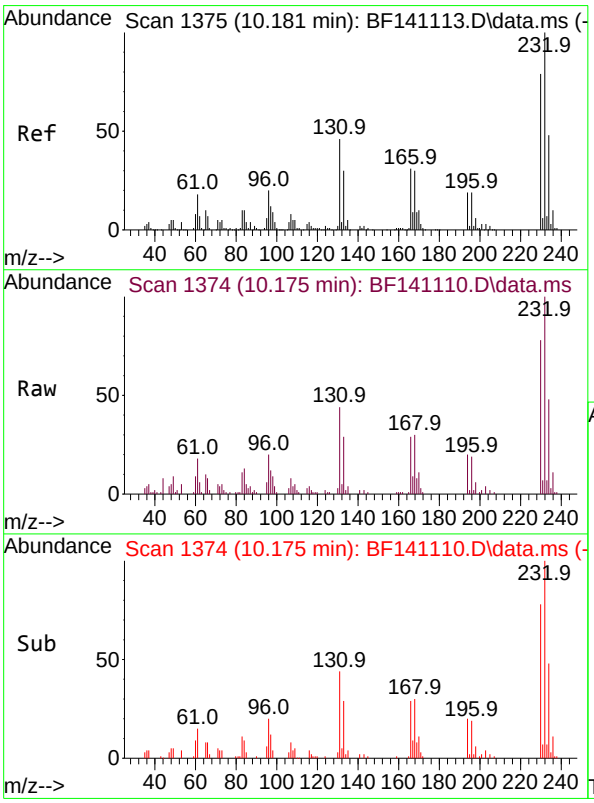
#58
Fluorene
Concen: 5.829 ng
RT: 10.404 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:166 Resp: 123503

Ion	Ratio	Lower	Upper
166	100		
165	97.8	77.8	116.8
167	13.3	10.8	16.2

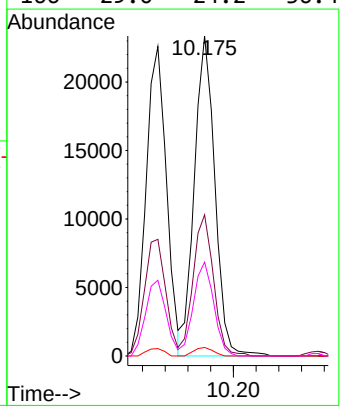


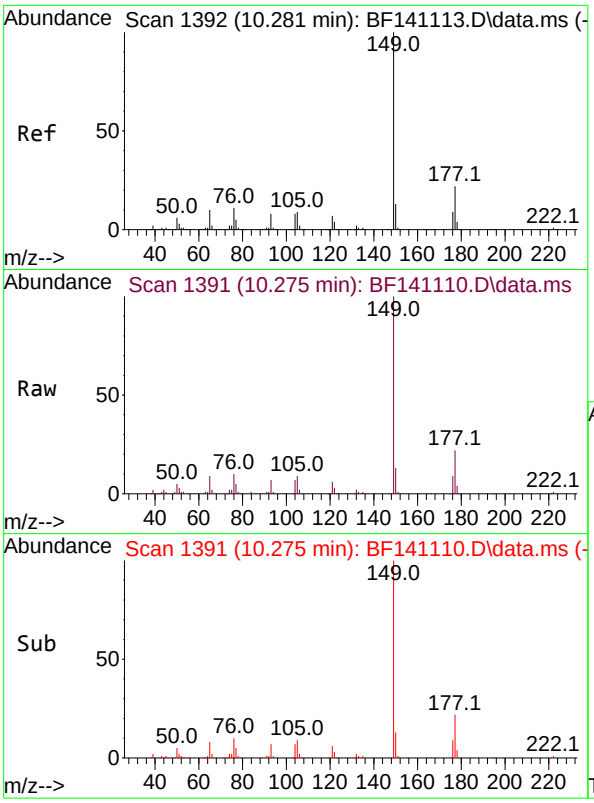


#59
2,3,4,6-Tetrachlorophenol
Concen: 5.199 ng
RT: 10.175 min Scan# 1374
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:232 Resp: 29338

Ion	Ratio	Lower	Upper
232	100		
131	43.9	36.2	54.4
130	2.4	2.0	3.0
166	29.0	24.2	36.4



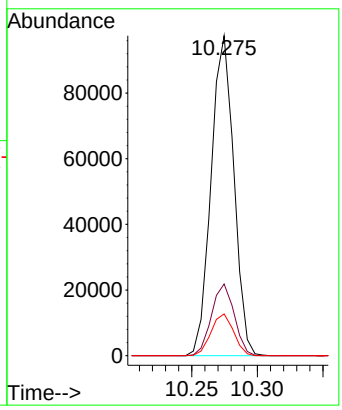


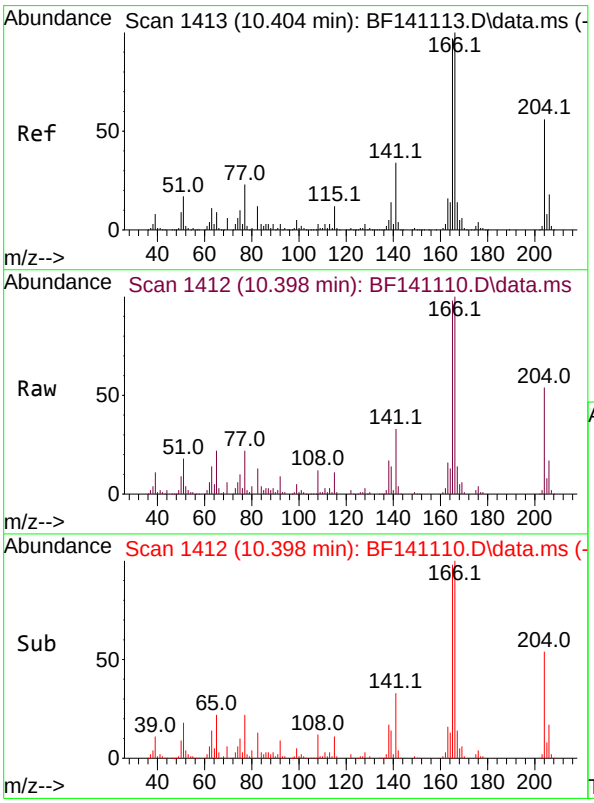
#60
Diethylphthalate
Concen: 5.401 ng
RT: 10.275 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 117549

Ion	Ratio	Lower	Upper
149	100		
177	22.4	17.9	26.9
150	13.0	10.2	15.2

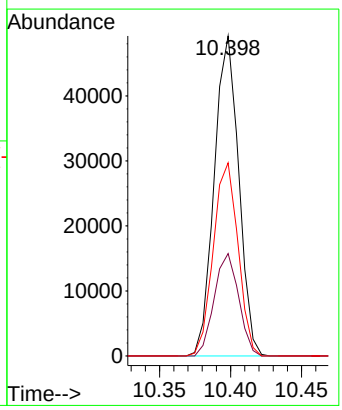


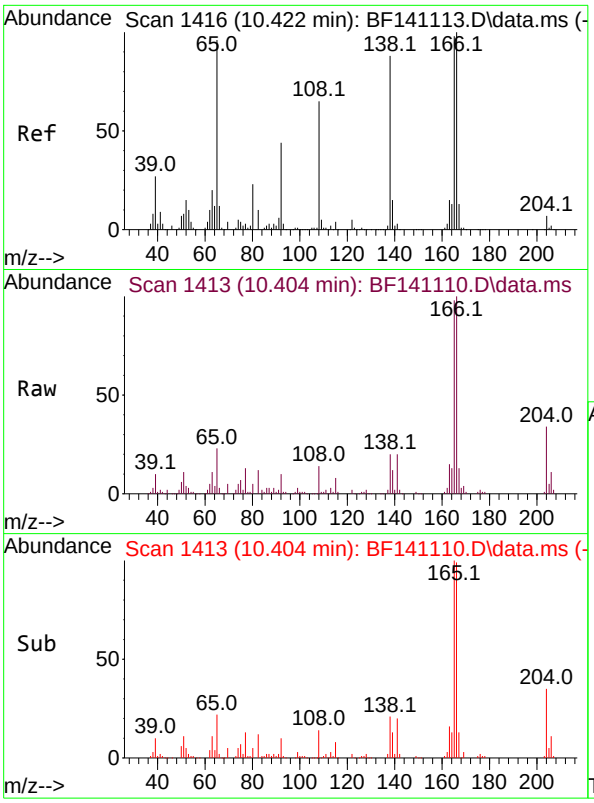


#61
4-Chlorophenyl-phenylether
Concen: 5.698 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:204 Resp: 58845

Ion	Ratio	Lower	Upper
204	100		
206	32.0	25.9	38.9
141	60.3	49.1	73.7



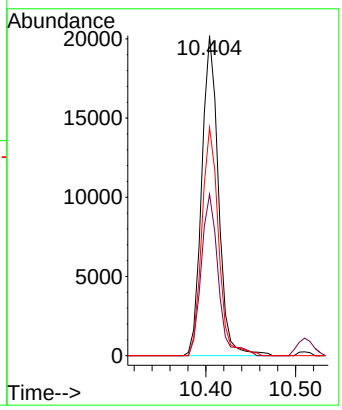


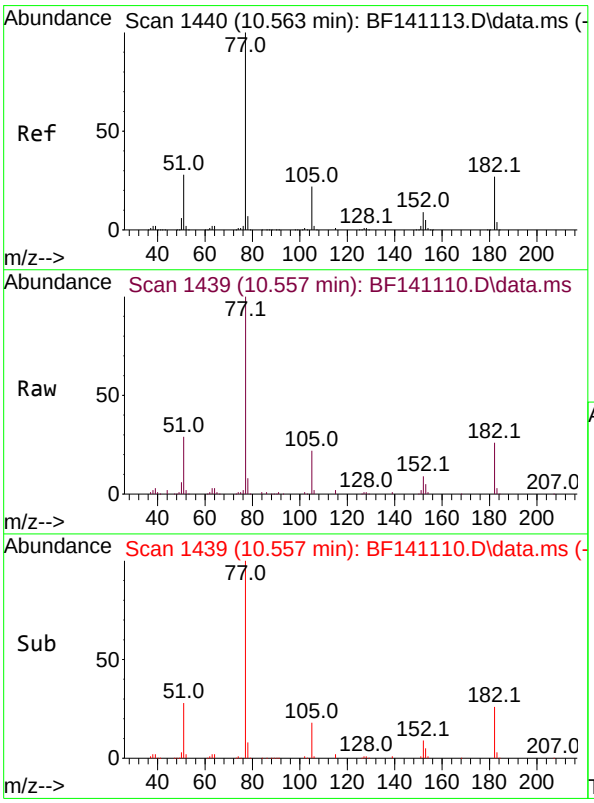
#62
4-Nitroaniline
Concen: 5.060 ng
RT: 10.404 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:138 Resp: 26092

Ion	Ratio	Lower	Upper
138	100		
92	50.5	29.4	69.4
108	71.3	53.7	93.7

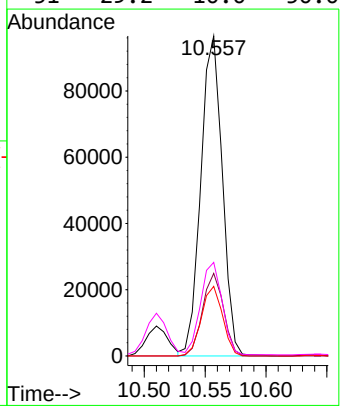


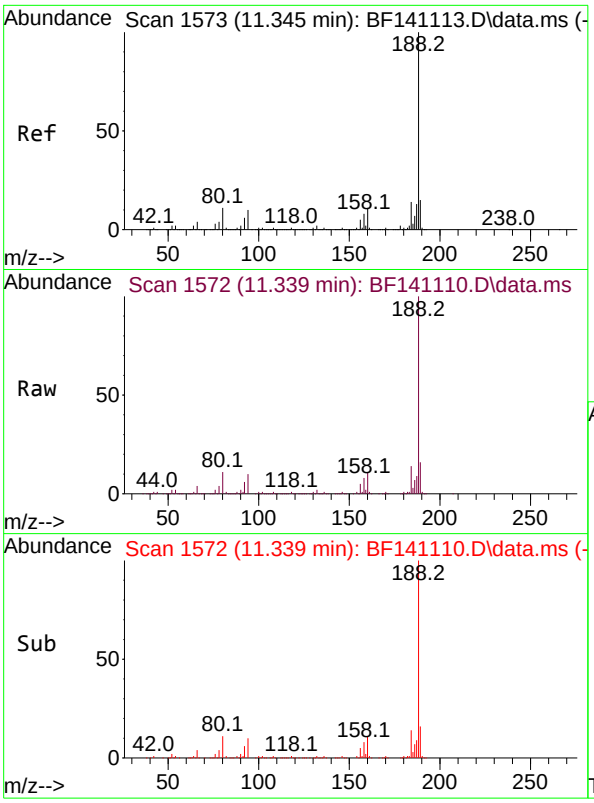


#63
Azobenzene
Concen: 5.528 ng
RT: 10.557 min Scan# 1439
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion: 77 Resp: 118725

Ion	Ratio	Lower	Upper
77	100		
182	25.8	6.1	46.1
105	21.8	2.1	42.1
51	29.2	10.0	50.0



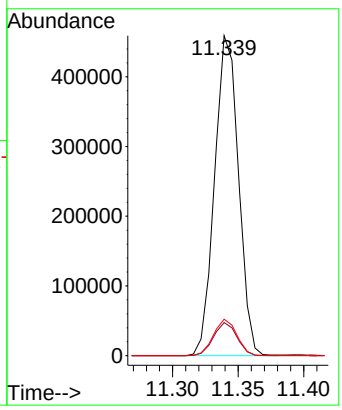


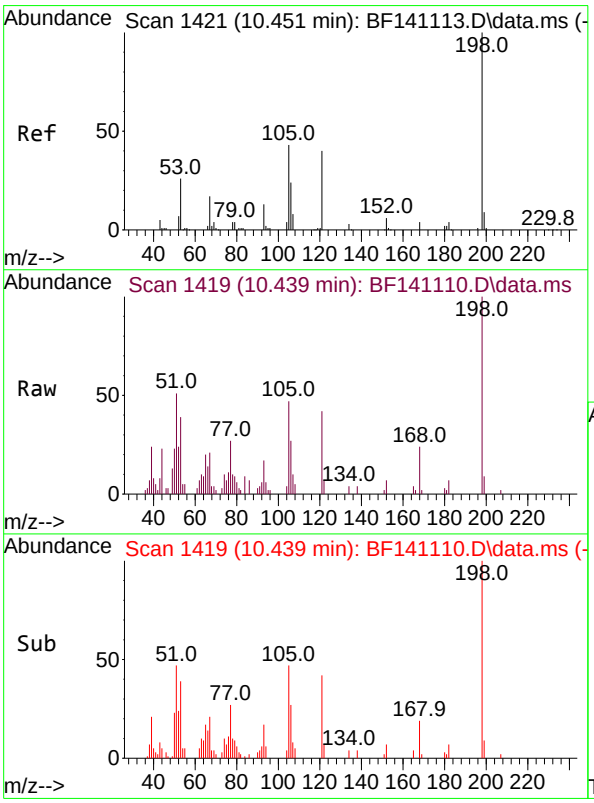
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:188 Resp: 581741

Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.3	12.5
80	11.4	9.0	13.4

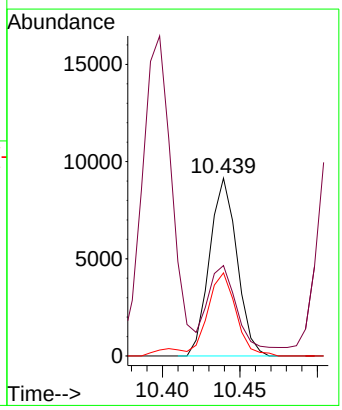


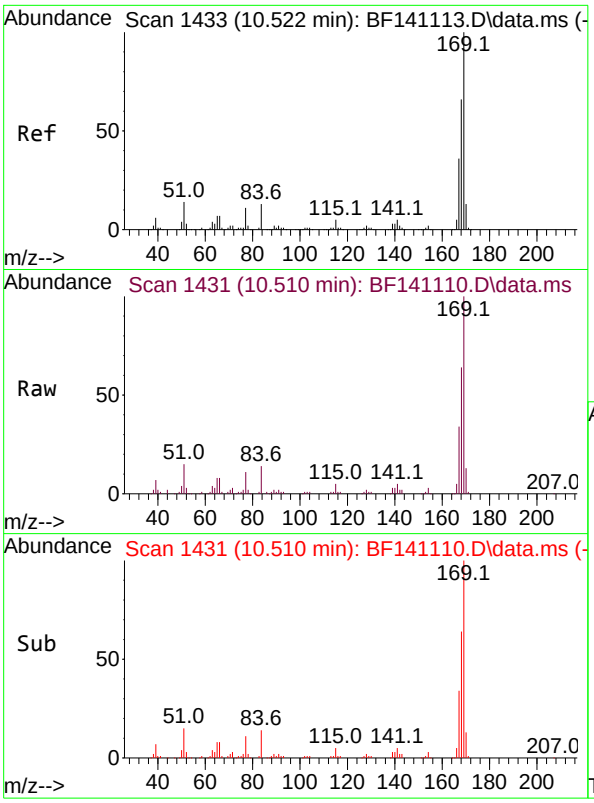


#65
4,6-Dinitro-2-methylphenol
Concen: 3.337 ng
RT: 10.439 min Scan# 1419
Delta R.T. -0.012 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:198 Resp: 11249

Ion	Ratio	Lower	Upper
198	100		
51	50.8	27.1	67.1
105	46.7	24.2	64.2



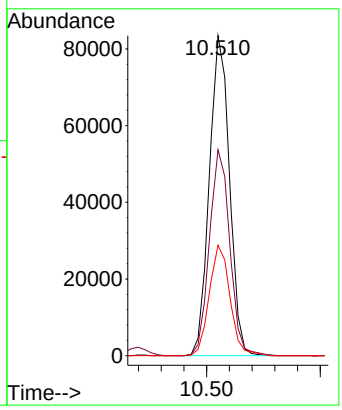


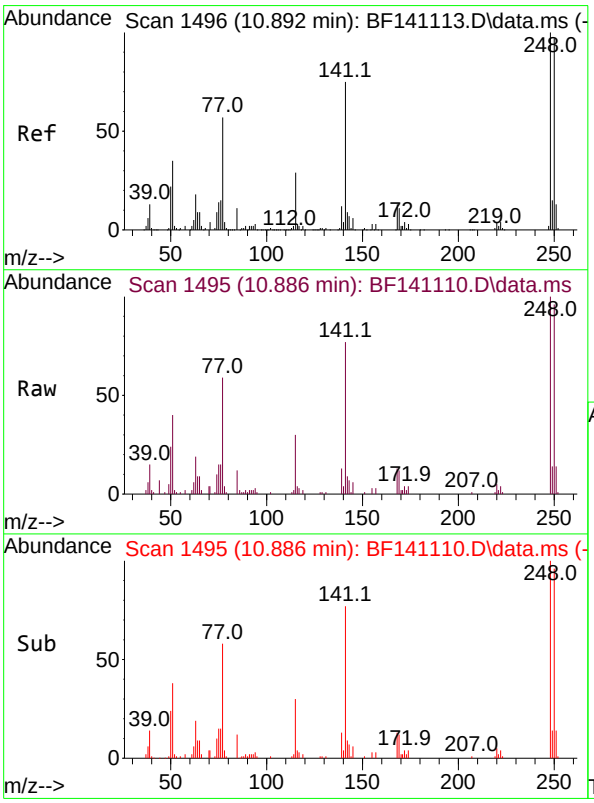
#66
n-Nitrosodiphenylamine
Concen: 5.471 ng
RT: 10.510 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:169 Resp: 102664

Ion	Ratio	Lower	Upper
169	100		
168	64.4	52.5	78.7
167	34.5	28.9	43.3

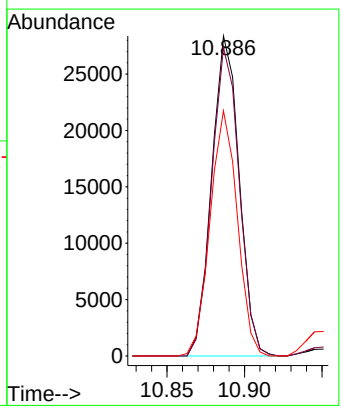


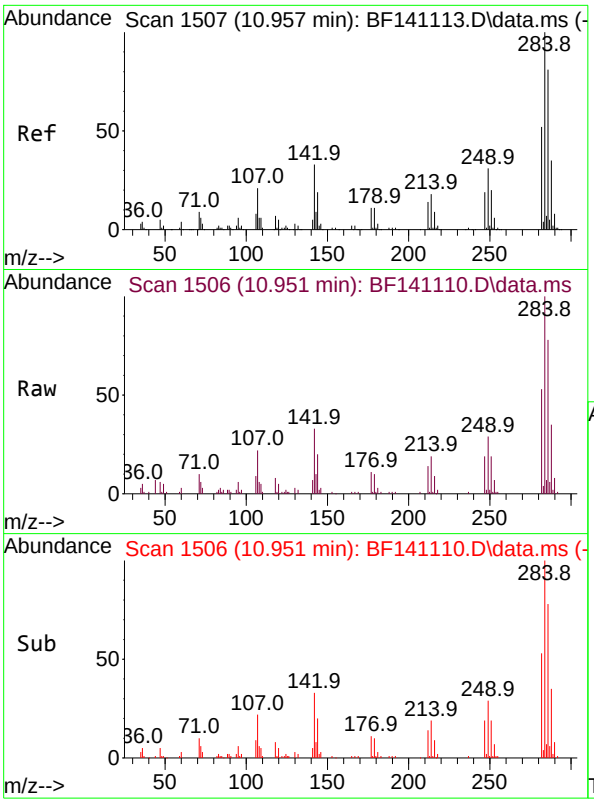


#67
4-Bromophenyl-phenylether
Concen: 5.232 ng
RT: 10.886 min Scan# 1495
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:248 Resp: 35042

Ion	Ratio	Lower	Upper
248	100		
250	96.4	77.9	116.9
141	76.6	59.9	89.9



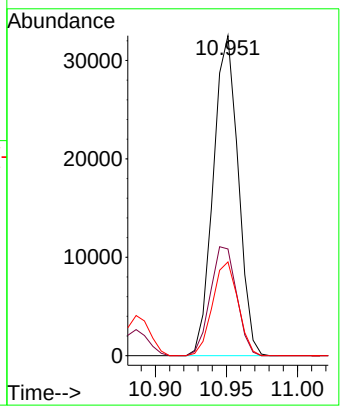


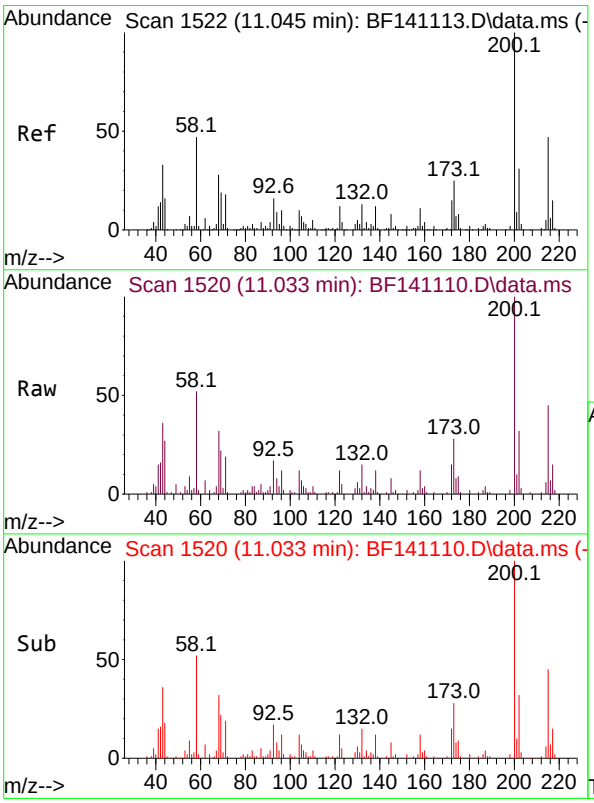
#68
Hexachlorobenzene
Concen: 5.332 ng
RT: 10.951 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:284 Resp: 39756

Ion	Ratio	Lower	Upper
284	100		
142	33.4	26.3	39.5
249	29.3	24.9	37.3

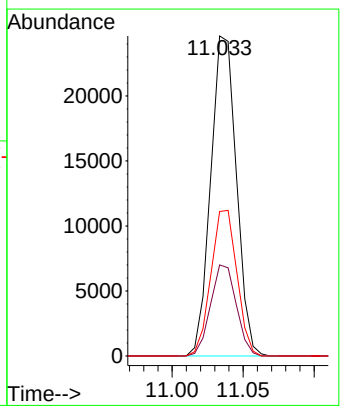


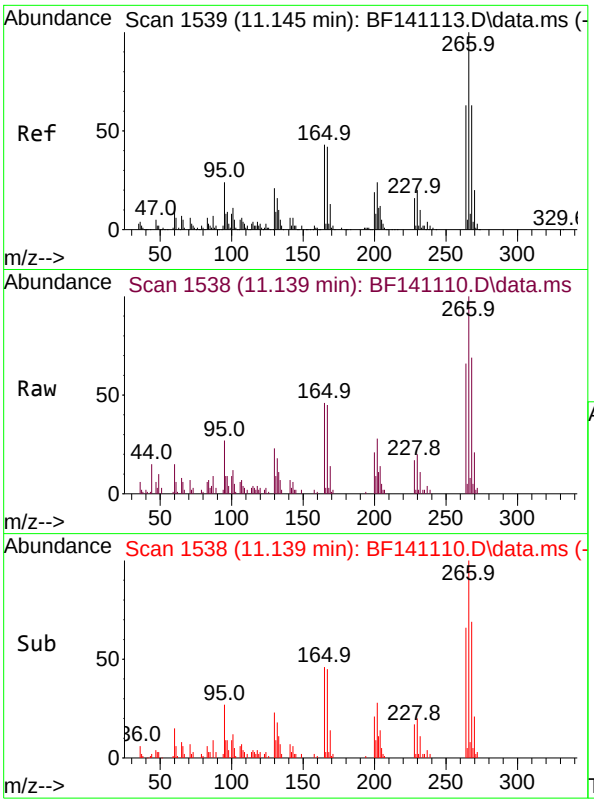


#69
Atrazine
Concen: 6.131 ng
RT: 11.033 min Scan# 1520
Delta R.T. -0.012 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:200 Resp: 30974

Ion	Ratio	Lower	Upper
200	100		
173	28.5	5.4	45.4
215	45.2	26.6	66.6



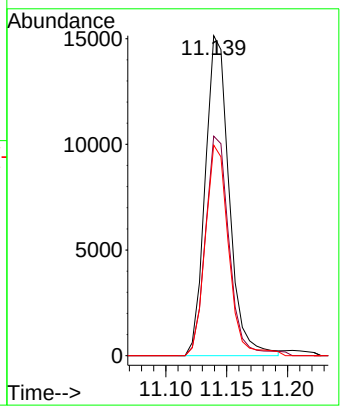


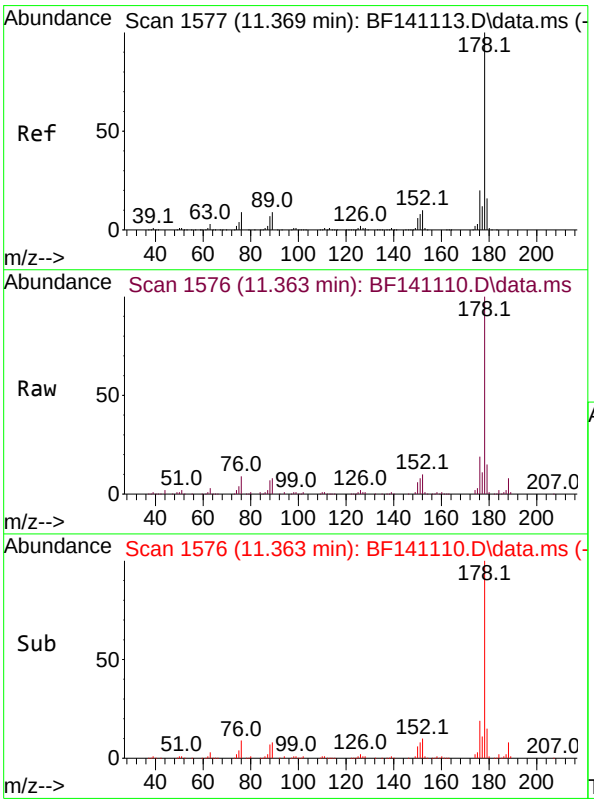
#70
Pentachlorophenol
Concen: 4.338 ng
RT: 11.139 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:266 Resp: 20711

Ion	Ratio	Lower	Upper
266	100		
268	68.6	50.4	75.6
264	65.8	50.2	75.2

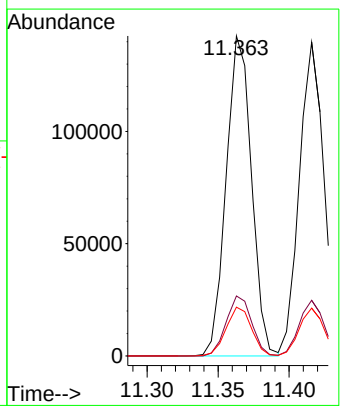


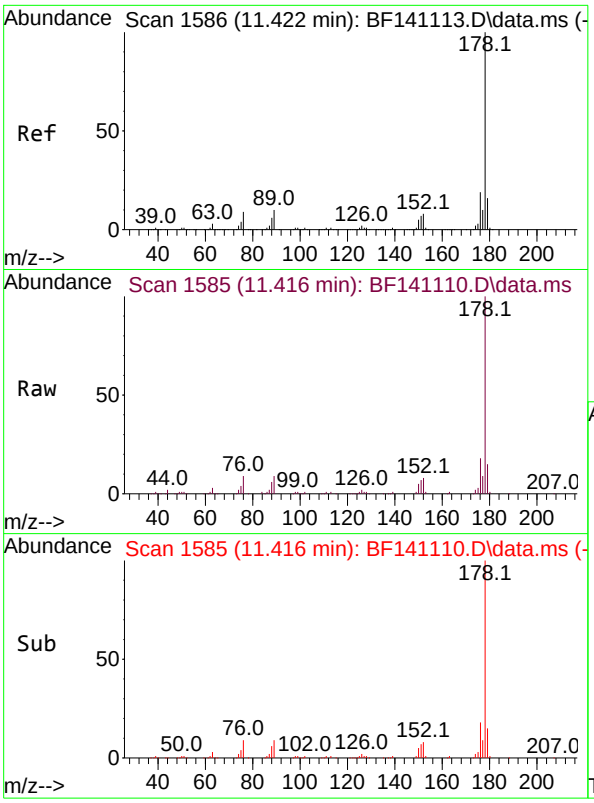


#71
Phenanthrene
Concen: 5.670 ng
RT: 11.363 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:178 Resp: 177095

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.7	23.5
179	15.3	12.6	19.0



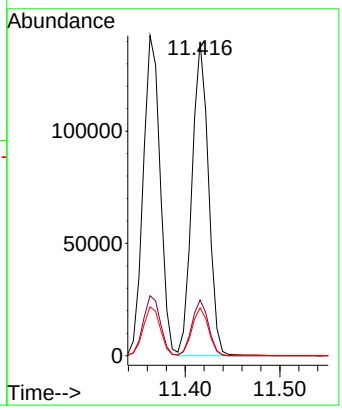


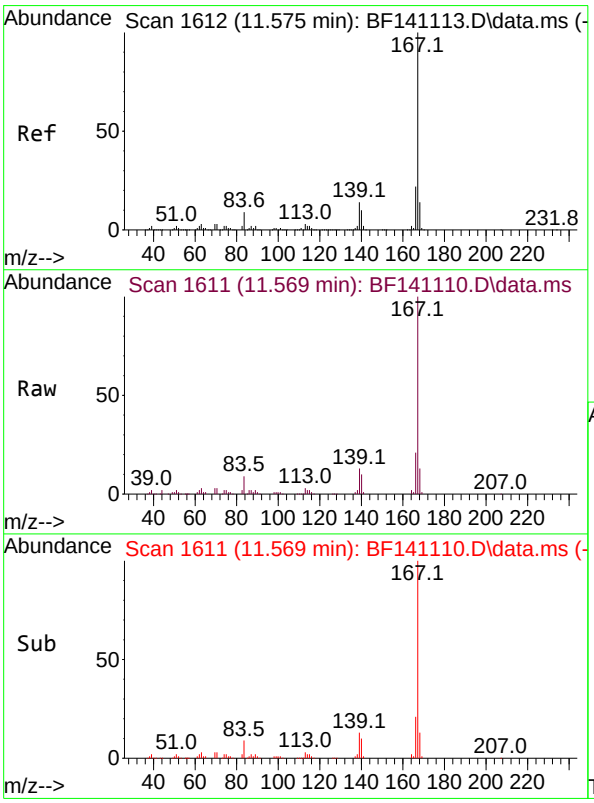
#72
Anthracene
Concen: 5.564 ng
RT: 11.416 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:178 Resp: 168968

Ion	Ratio	Lower	Upper
178	100		
176	17.8	14.9	22.3
179	15.2	12.6	19.0

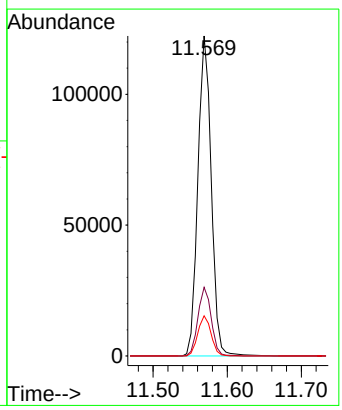


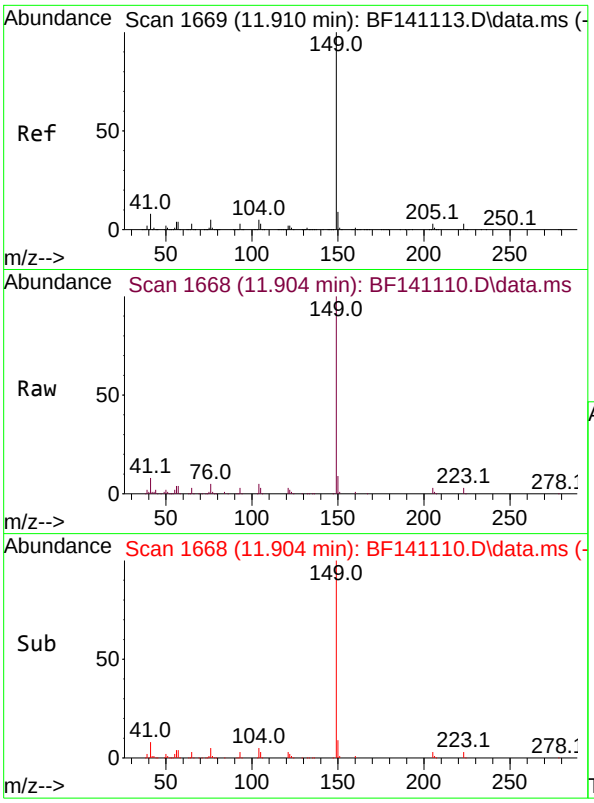


#73
Carbazole
Concen: 5.497 ng
RT: 11.569 min Scan# 1611
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:167 Resp: 153065

Ion	Ratio	Lower	Upper
167	100		
166	21.4	17.4	26.2
139	12.6	10.9	16.3



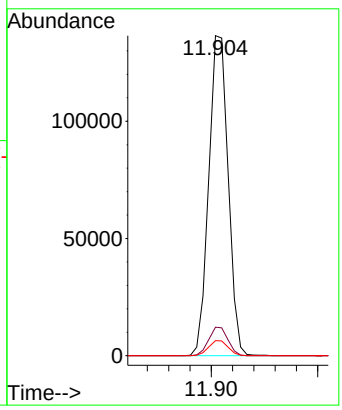


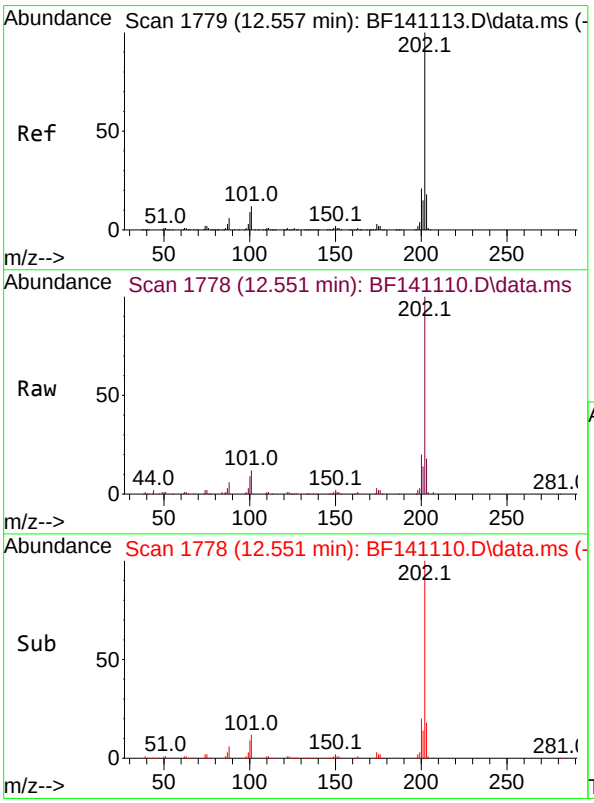
#74
Di-n-butylphthalate
Concen: 5.414 ng
RT: 11.904 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 172526

Ion	Ratio	Lower	Upper
149	100		
150	8.9	7.4	11.2
104	4.7	4.2	6.2

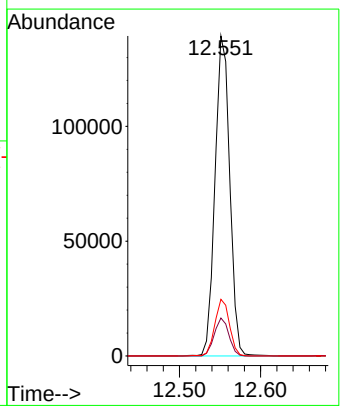


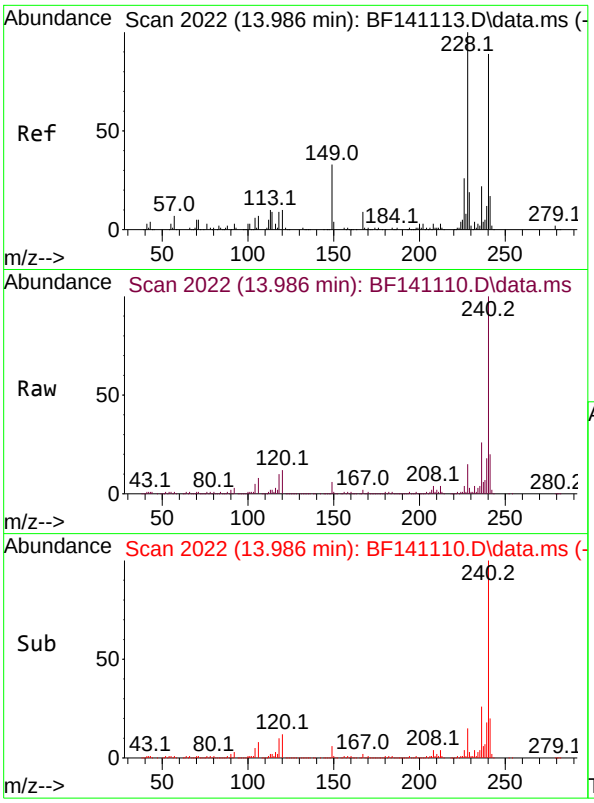


#75
Fluoranthene
Concen: 5.650 ng
RT: 12.551 min Scan# 1778
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:202 Resp: 176105

Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	32.3
203	17.7	0.0	37.7



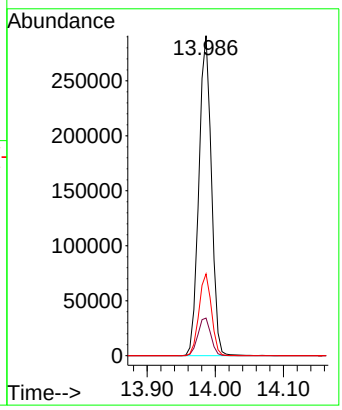


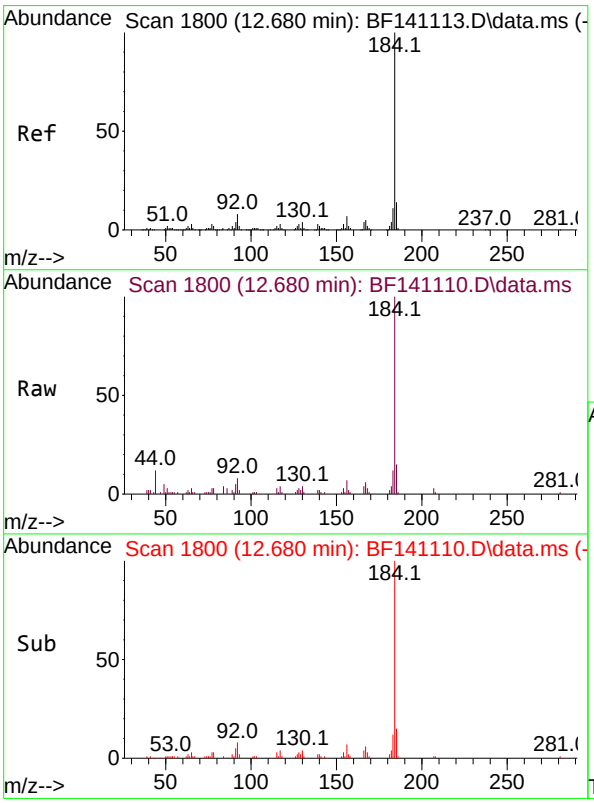
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:240 Resp: 370828

Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.1	13.7
236	25.5	19.8	29.6

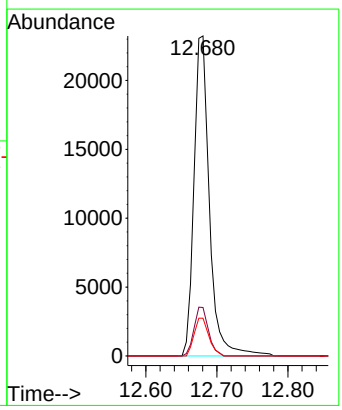


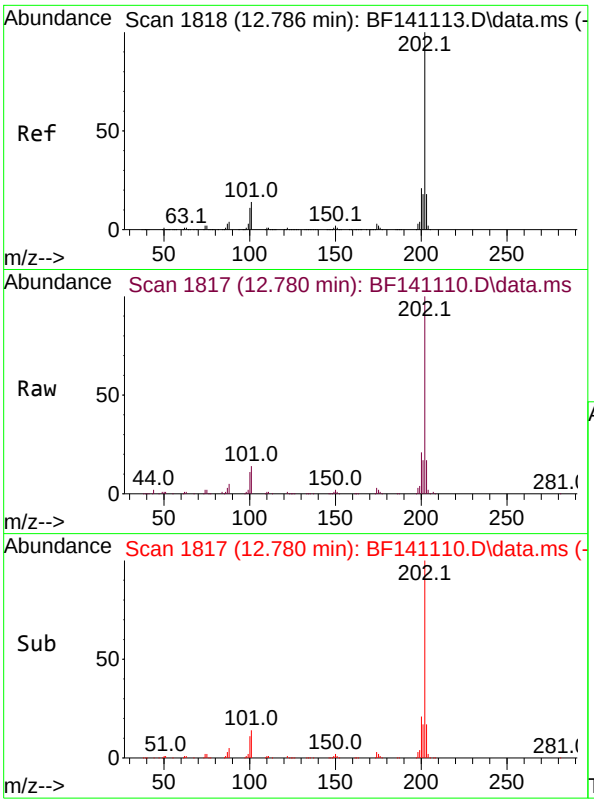


#77
Benzidine
Concen: 5.121 ng
RT: 12.680 min Scan# 1800
Delta R.T. 0.000 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:184 Resp: 35213

Ion	Ratio	Lower	Upper
184	100		
185	15.2	11.4	17.0
183	11.8	9.2	13.8



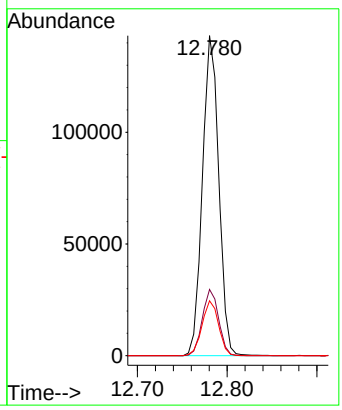


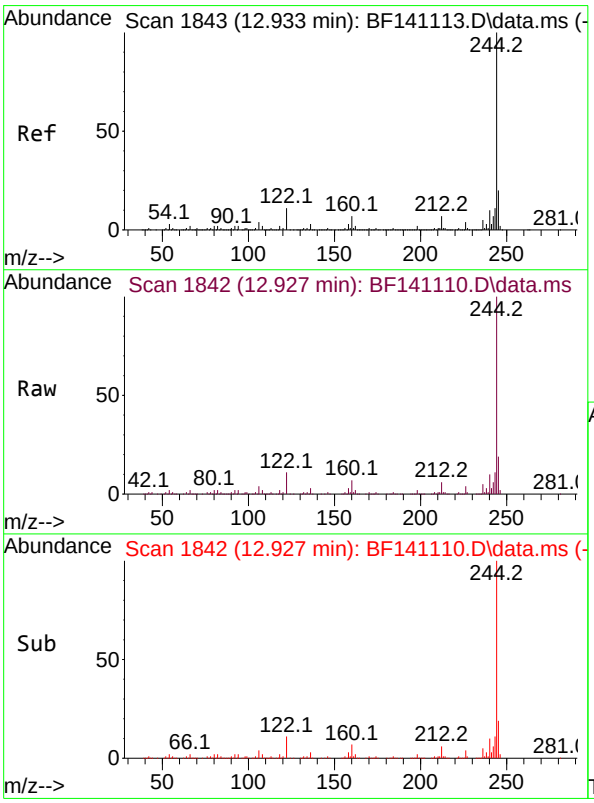
#78
Pyrene
Concen: 5.110 ng
RT: 12.780 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:202 Resp: 180982

Ion	Ratio	Lower	Upper
202	100		
200	20.7	16.8	25.2
203	17.2	14.3	21.5

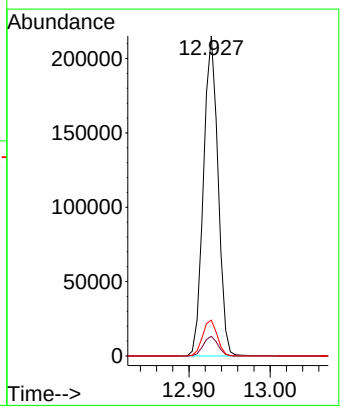


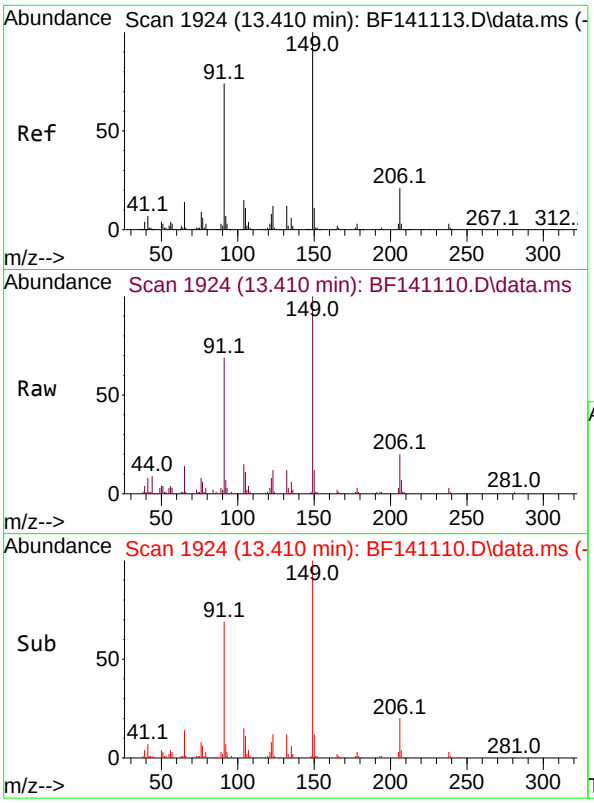


#79
Terphenyl-d14
Concen: 10.734 ng
RT: 12.927 min Scan# 1842
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:244 Resp: 267821

Ion	Ratio	Lower	Upper
244	100		
212	6.1	5.4	8.2
122	11.2	8.8	13.2



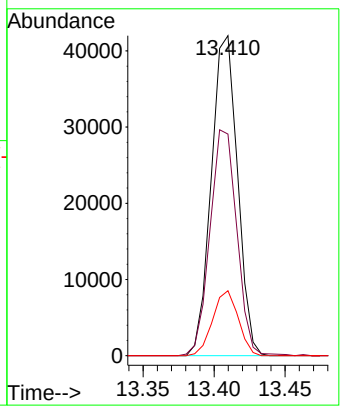


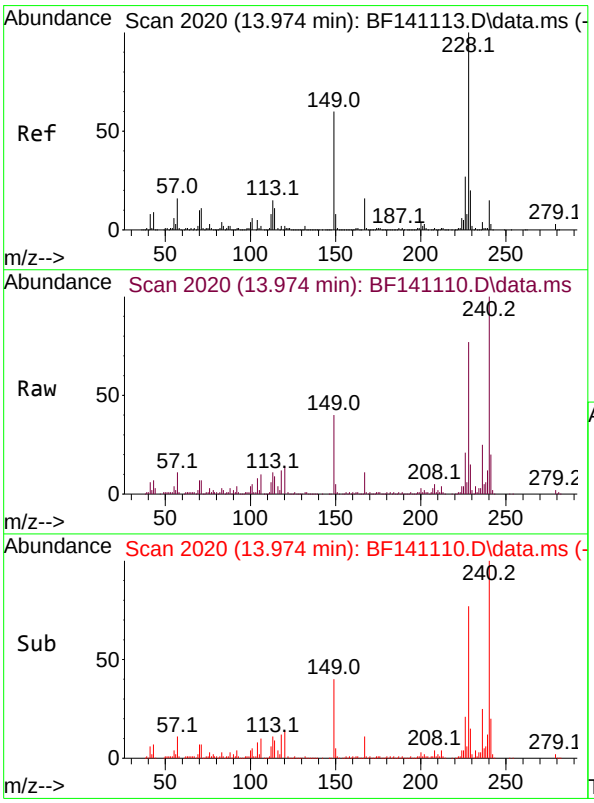
#80
Butylbenzylphthalate
Concen: 4.574 ng
RT: 13.410 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 54011

Ion	Ratio	Lower	Upper
149	100		
91	69.3	59.0	88.6
206	20.3	16.5	24.7

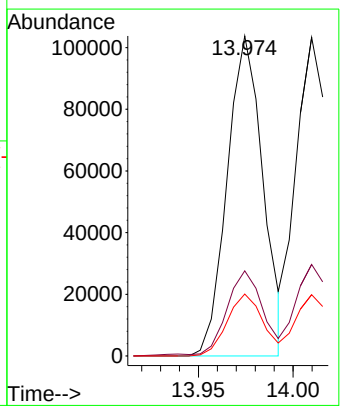


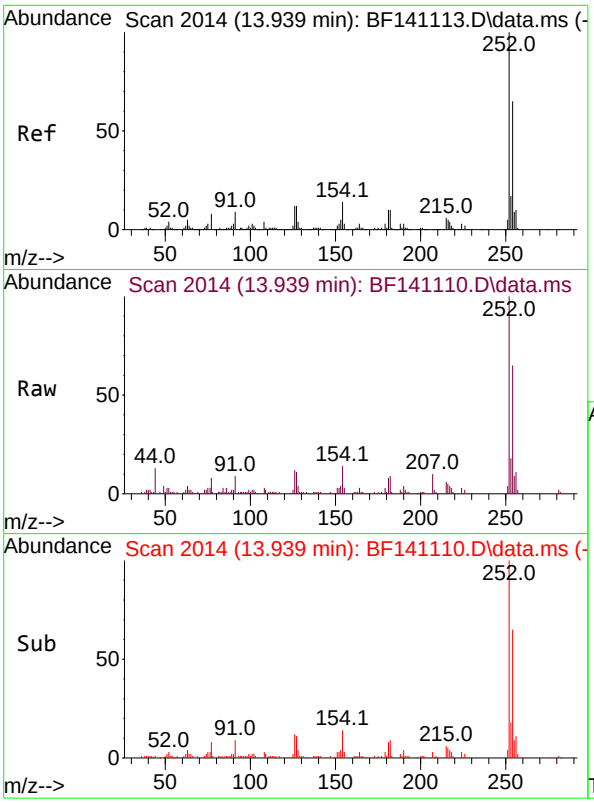


#81
Benzo(a)anthracene
Concen: 5.412 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:228 Resp: 136580

Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.7	32.5
229	19.4	15.7	23.5



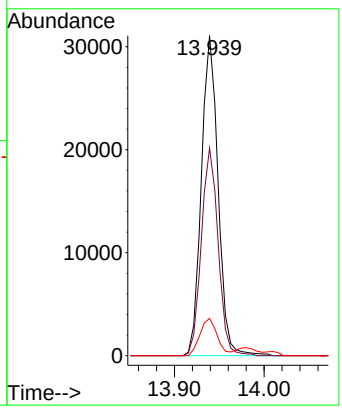


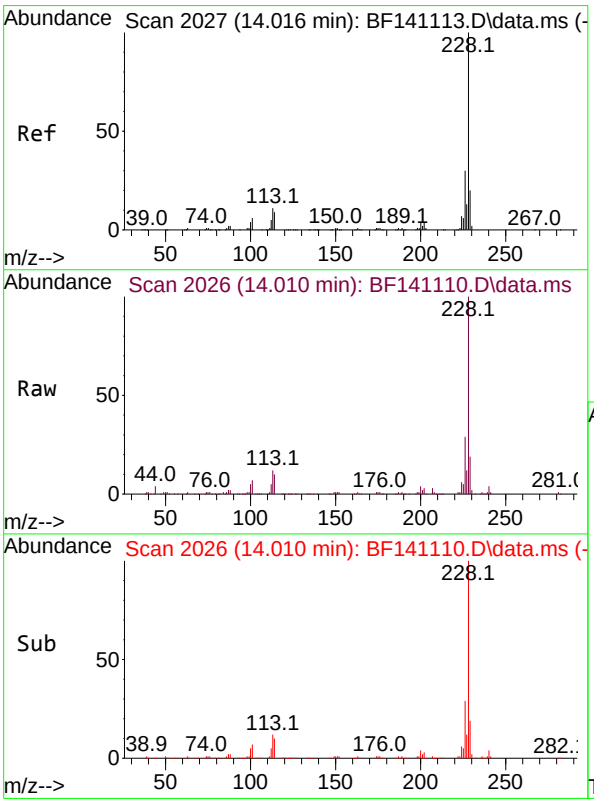
#82
3,3'-Dichlorobenzidine
Concen: 5.007 ng
RT: 13.939 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 40239

Ion	Ratio	Lower	Upper
252	100		
254	64.9	52.0	78.0
126	11.6	9.4	14.0

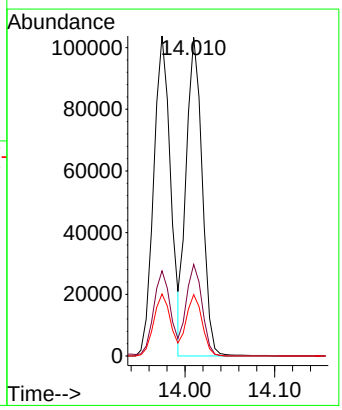


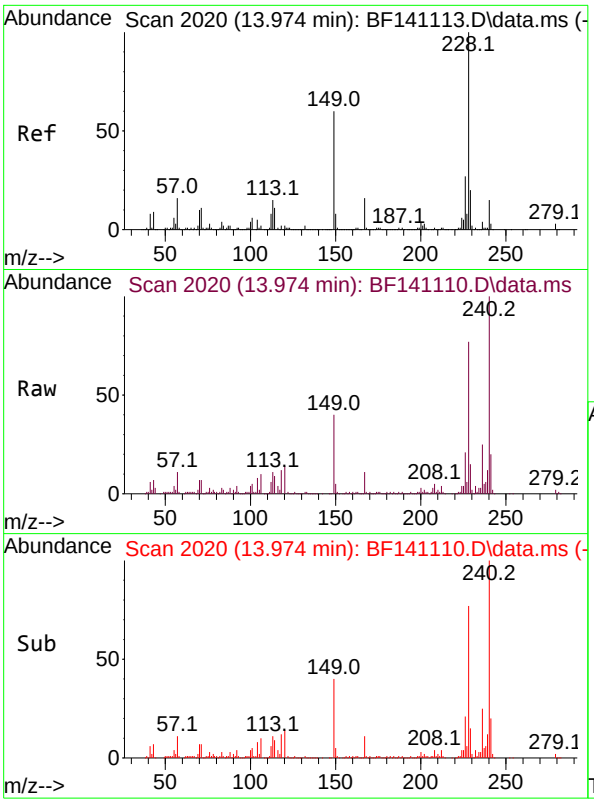


#83
Chrysene
Concen: 5.425 ng
RT: 14.010 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:228 Resp: 128102

Ion	Ratio	Lower	Upper
228	100		
226	28.7	23.8	35.8
229	19.2	15.8	23.8



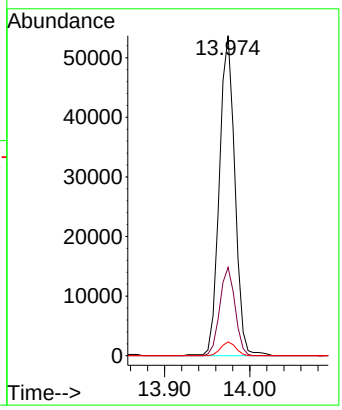


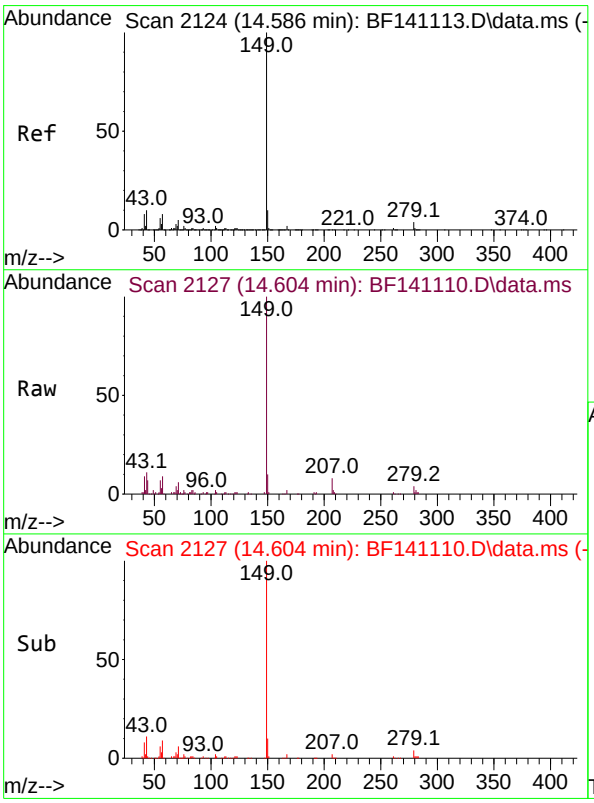
#84
Bis(2-ethylhexyl)phthalate
Concen: 4.801 ng
RT: 13.974 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 68031

Ion	Ratio	Lower	Upper
149	100		
167	27.6	21.4	32.2
279	4.3	3.4	5.2

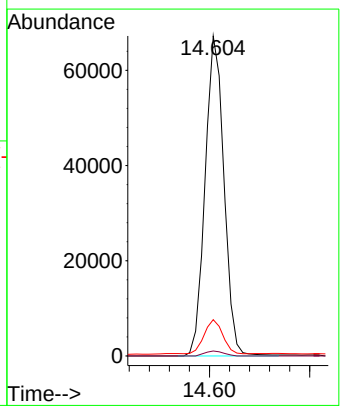


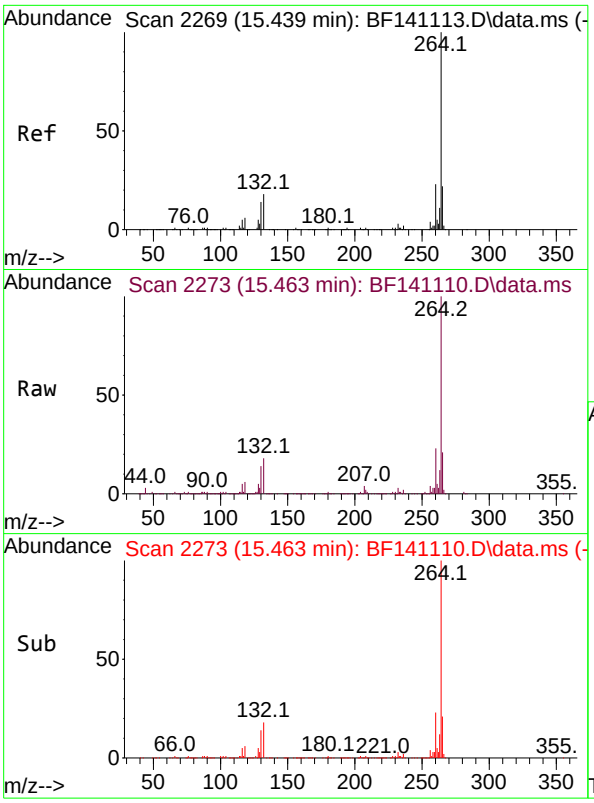


#85
Di-n-octyl phthalate
Concen: 4.115 ng
RT: 14.604 min Scan# 2127
Delta R.T. 0.018 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:149 Resp: 88039

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	10.5	8.4	12.6



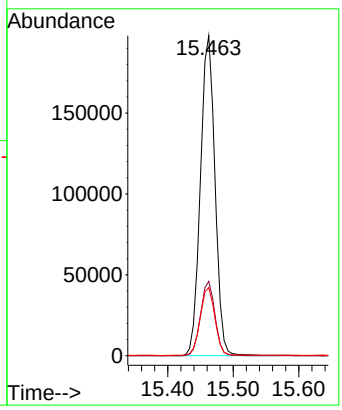


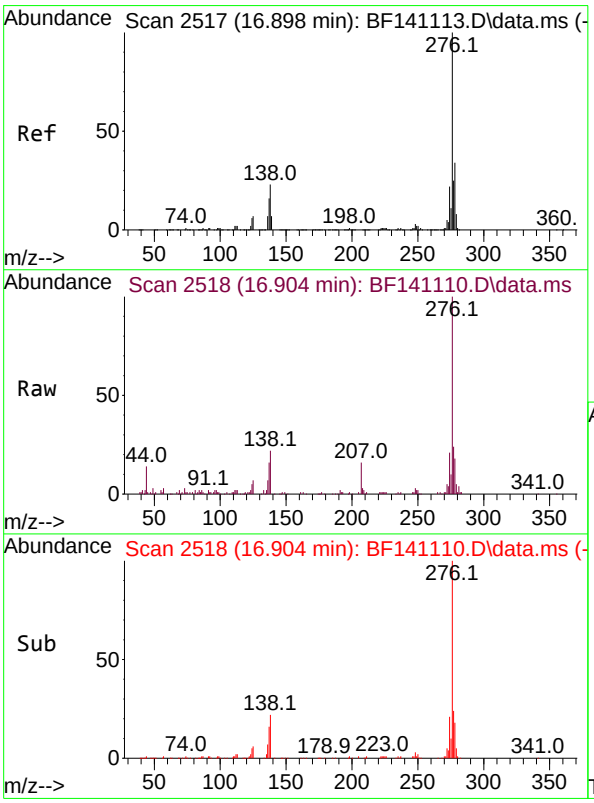
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.463 min Scan# 2
Delta R.T. 0.024 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:264 Resp: 306986

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	21.3	17.4	26.0

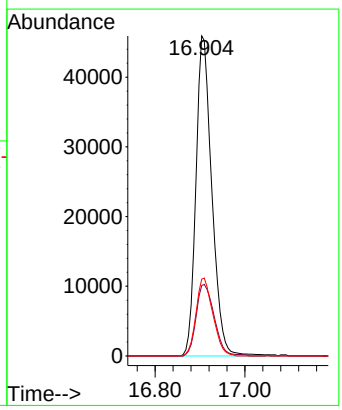


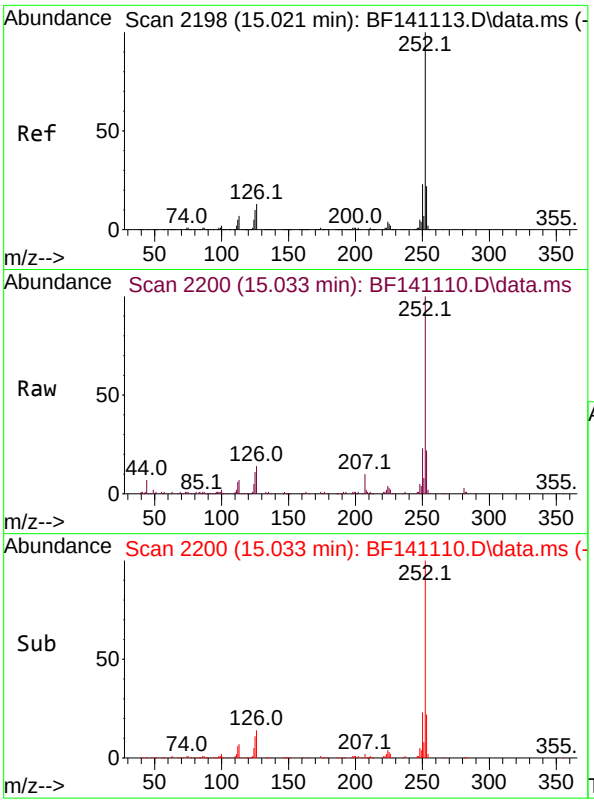


#87
Indeno(1,2,3-cd)pyrene
Concen: 5.025 ng
RT: 16.904 min Scan# 2518
Delta R.T. 0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:276 Resp: 113009

Ion	Ratio	Lower	Upper
276	100		
138	25.4	20.7	31.1
277	25.6	20.6	30.8



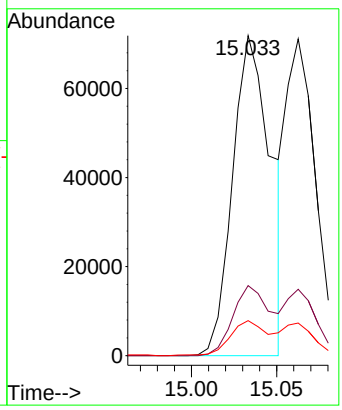


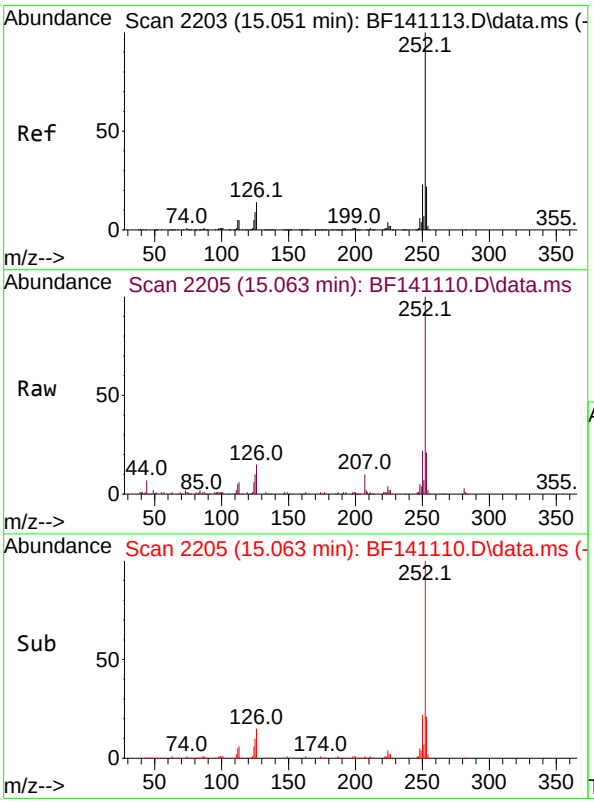
#88
Benzo(b)fluoranthene
Concen: 5.664 ng
RT: 15.033 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 112121

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.6
125	11.0	8.1	12.1

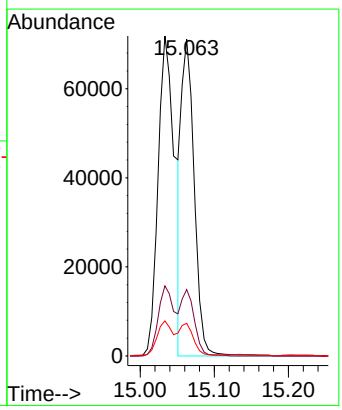


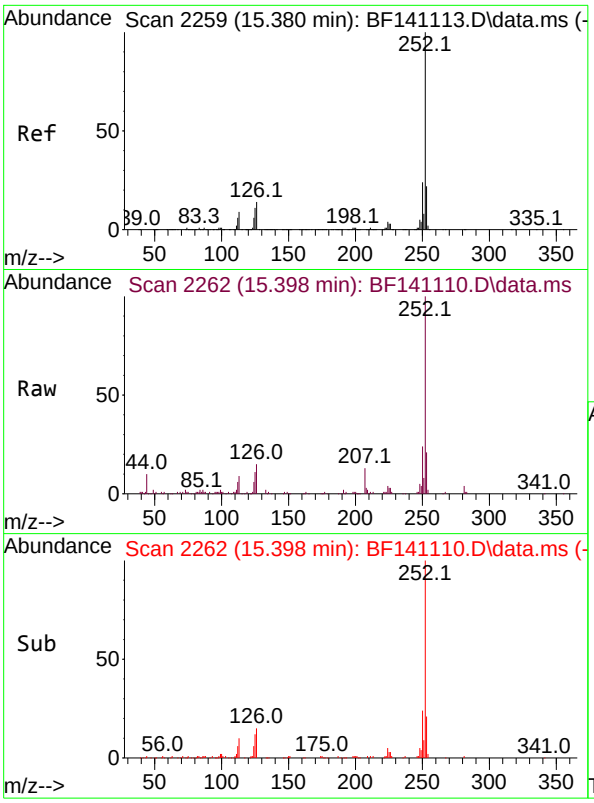


#89
Benzo(k)fluoranthene
Concen: 5.175 ng
RT: 15.063 min Scan# 2205
Delta R.T. 0.012 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:252 Resp: 86565

Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.8	26.8
125	10.3	7.9	11.9



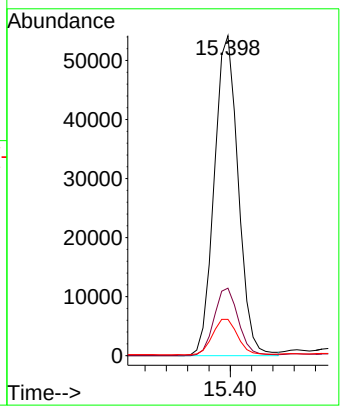


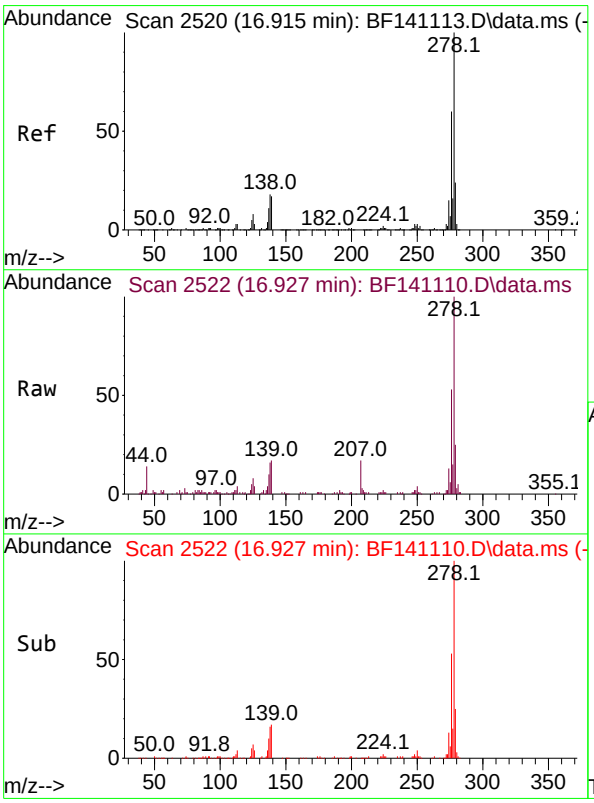
#90
Benzo(a)pyrene
Concen: 5.183 ng
RT: 15.398 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 84656

Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.7	26.5
125	11.3	9.1	13.7

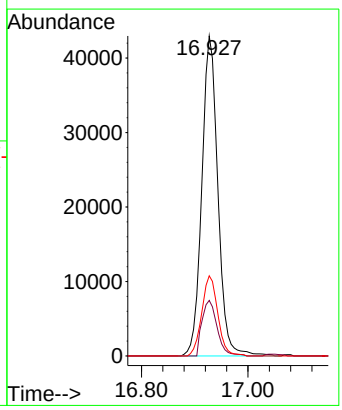


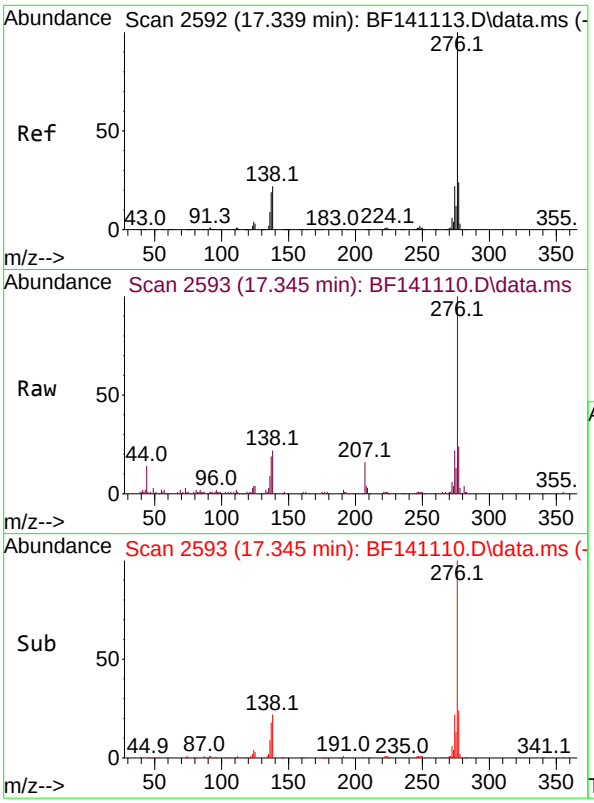


#91
Dibenzo(a,h)anthracene
Concen: 4.952 ng
RT: 16.927 min Scan# 2522
Delta R.T. 0.012 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Tgt Ion:278 Resp: 90084

Ion	Ratio	Lower	Upper
278	100		
139	17.4	13.8	20.6
279	25.1	19.1	28.7



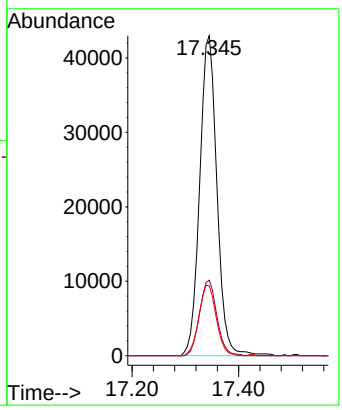


#92
Benzo(g,h,i)perylene
Concen: 5.096 ng
RT: 17.345 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141110.D
Acq: 10 Jan 2025 12:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:276 Resp: 96418

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.0	28.4
138	21.9	17.4	26.2



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141111.D
Acq On : 10 Jan 2025 13:17
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Jan 10 22:18:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:16:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.822	152	152818	20.000	ng		0.00
21) Naphthalene-d8	8.098	136	604478	20.000	ng		0.00
39) Acenaphthene-d10	9.857	164	323407	20.000	ng		0.00
64) Phenanthrene-d10	11.339	188	565570	20.000	ng		0.00
76) Chrysene-d12	13.986	240	345946	20.000	ng		0.00
86) Perylene-d12	15.463	264	298779	20.000	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.422	112	213934	21.626	ng		0.00
7) Phenol-d6	6.434	99	271016	21.628	ng		-0.01
23) Nitrobenzene-d5	7.375	82	235613	20.662	ng		-0.01
42) 2,4,6-Tribromophenol	10.639	330	75448	20.474	ng		-0.01
45) 2-Fluorobiphenyl	9.175	172	471901	22.282	ng		0.00
79) Terphenyl-d14	12.927	244	492528	21.161	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.528	88	45563	10.343	ng		98
3) Pyridine	3.269	79	116138	10.751	ng		99
4) n-Nitrosodimethylamine	3.199	42	54661	10.348	ng	#	97
6) Aniline	6.475	93	120980	10.874	ng		98
8) 2-Chlorophenol	6.598	128	112757	10.624	ng		100
9) Benzaldehyde	6.369	77	87029	12.433	ng		99
10) Phenol	6.446	94	145362	10.837	ng		99
11) bis(2-Chloroethyl)ether	6.551	93	104839	10.487	ng		99
12) 1,3-Dichlorobenzene	6.757	146	127000	10.729	ng		99
13) 1,4-Dichlorobenzene	6.840	146	126297	10.588	ng		98
14) 1,2-Dichlorobenzene	6.987	146	120656	10.844	ng		99
15) Benzyl Alcohol	6.951	79	94737	10.469	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.093	45	146135	10.476	ng		99
17) 2-Methylphenol	7.063	107	89782	10.478	ng		98
18) Hexachloroethane	7.334	117	45125	10.461	ng		98
19) n-Nitroso-di-n-propyla...	7.222	70	77270	10.468	ng		98
20) 3+4-Methylphenols	7.216	107	116842	10.809	ng	#	89
22) Acetophenone	7.222	105	155933	10.851	ng		98
24) Nitrobenzene	7.393	77	123929	10.428	ng		98
25) Isophorone	7.634	82	201958	10.363	ng		98
26) 2-Nitrophenol	7.716	139	52430	9.698	ng		99
27) 2,4-Dimethylphenol	7.745	122	73818	10.123	ng		99
28) bis(2-Chloroethoxy)met...	7.845	93	126489	10.342	ng		99
29) 2,4-Dichlorophenol	7.951	162	89559	10.341	ng		97
30) 1,2,4-Trichlorobenzene	8.040	180	103848	10.490	ng		100
31) Naphthalene	8.122	128	340302	10.675	ng		99
32) Benzoic acid	7.810	122	63791	9.119	ng		96
33) 4-Chloroaniline	8.169	127	117726	10.679	ng		99
34) Hexachlorobutadiene	8.240	225	62610	10.496	ng		98
35) Caprolactam	8.498	113	27881	9.814	ng		89
36) 4-Chloro-3-methylphenol	8.640	107	97256	10.268	ng		97
37) 2-Methylnaphthalene	8.810	142	217446	10.704	ng		100
38) 1-Methylnaphthalene	8.910	142	215158	10.747	ng		100
40) 1,2,4,5-Tetrachloroben...	8.981	216	97255	10.477	ng		100
41) Hexachlorocyclopentadiene	8.969	237	29312	9.652	ng		98
43) 2,4,6-Trichlorophenol	9.087	196	62070	9.915	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141111.D
Acq On : 10 Jan 2025 13:17
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Jan 10 22:18:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:16:11 2025
Response via : Initial Calibration

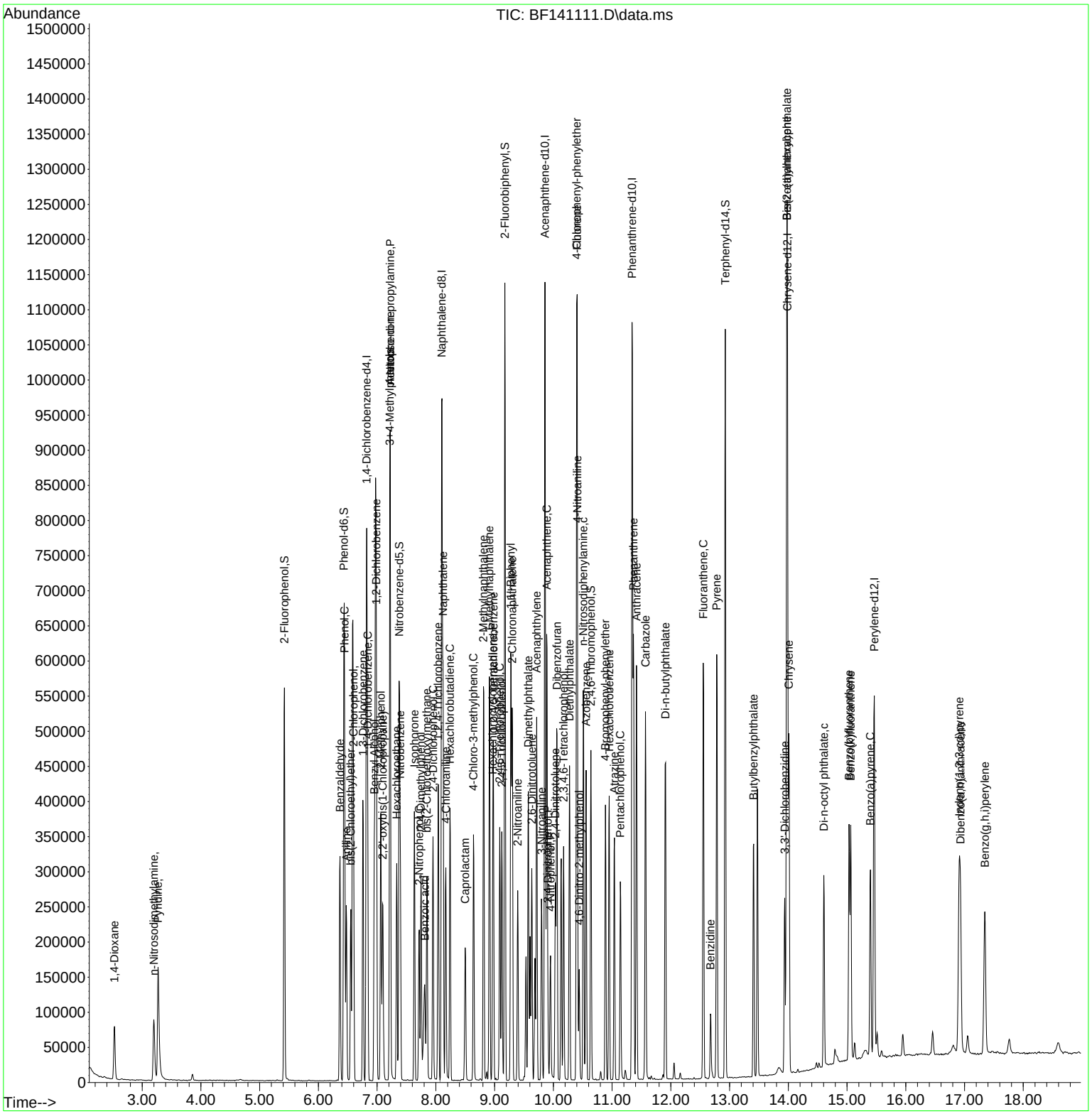
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.122	196	67822	10.258	ng		98
46) 1,1'-Biphenyl	9.275	154	270164	10.757	ng		100
47) 2-Chloronaphthalene	9.298	162	208316	10.649	ng		99
48) 2-Nitroaniline	9.392	65	57839	9.974	ng		98
49) Acenaphthylene	9.716	152	294365	10.532	ng		99
50) Dimethylphthalate	9.575	163	227434	10.475	ng		99
51) 2,6-Dinitrotoluene	9.634	165	51195	10.140	ng		96
52) Acenaphthene	9.886	154	204827	10.490	ng		100
53) 3-Nitroaniline	9.798	138	52358	10.205	ng		98
54) 2,4-Dinitrophenol	9.904	184	15639	6.517	ng	#	1
55) Dibenzofuran	10.063	168	280708	10.569	ng		99
56) 4-Nitrophenol	9.951	139	39013	9.709	ng		97
57) 2,4-Dinitrotoluene	10.034	165	64903	9.975	ng		95
58) Fluorene	10.404	166	226791	10.991	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.175	232	57812	10.519	ng		97
60) Diethylphthalate	10.275	149	225896	10.657	ng		99
61) 4-Chlorophenyl-phenyle...	10.398	204	108674	10.806	ng		100
62) 4-Nitroaniline	10.410	138	50381	10.033	ng		97
63) Azobenzene	10.557	77	220351	10.536	ng		99
65) 4,6-Dinitro-2-methylph...	10.439	198	26799	8.177	ng		95
66) n-Nitrosodiphenylamine	10.510	169	191433	10.494	ng		99
67) 4-Bromophenyl-phenylether	10.886	248	67025	10.293	ng		99
68) Hexachlorobenzene	10.951	284	74450	10.271	ng		99
69) Atrazine	11.039	200	56963	11.597	ng		99
70) Pentachlorophenol	11.139	266	45847	9.877	ng		98
71) Phenanthrene	11.363	178	325737	10.728	ng		98
72) Anthracene	11.416	178	314077	10.638	ng		99
73) Carbazole	11.569	167	289945	10.710	ng		99
74) Di-n-butylphthalate	11.910	149	332734	10.740	ng		99
75) Fluoranthene	12.551	202	335808	11.083	ng		99
77) Benzidine	12.675	184	53526	8.343	ng		99
78) Pyrene	12.780	202	341925	10.348	ng		99
80) Butylbenzylphthalate	13.410	149	108714	9.868	ng		97
81) Benzo(a)anthracene	13.974	228	245554	10.430	ng		100
82) 3,3'-Dichlorobenzidine	13.939	252	72963	9.733	ng		100
83) Chrysene	14.010	228	227579	10.331	ng		100
84) Bis(2-ethylhexyl)phtha...	13.974	149	132798	10.047	ng		99
85) Di-n-octyl phthalate	14.604	149	179782	9.007	ng		100
87) Indeno(1,2,3-cd)pyrene	16.910	276	212077	9.689	ng		100
88) Benzo(b)fluoranthene	15.033	252	211401	10.973	ng		99
89) Benzo(k)fluoranthene	15.063	252	164685	10.115	ng		99
90) Benzo(a)pyrene	15.398	252	162844	10.245	ng		99
91) Dibenzo(a,h)anthracene	16.933	278	176005	9.941	ng		97
92) Benzo(g,h,i)perylene	17.345	276	182406	9.905	ng		99

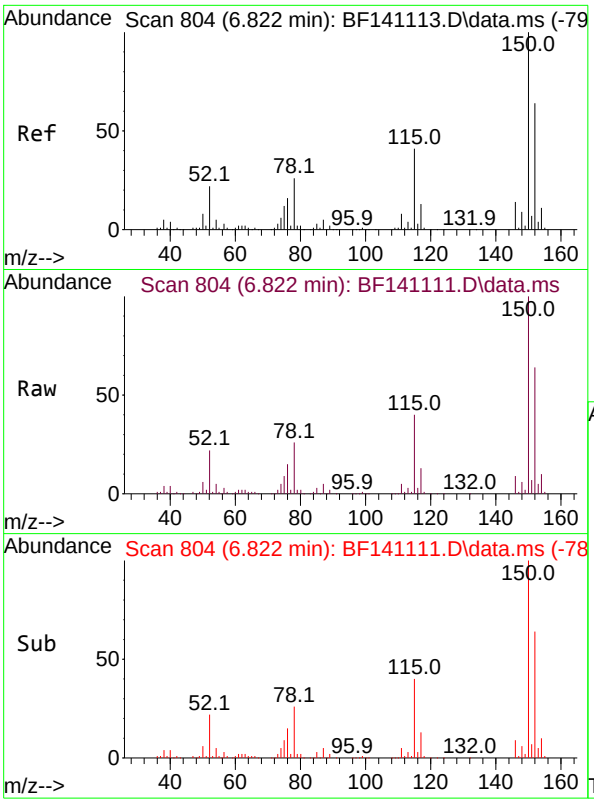
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141111.D
Acq On : 10 Jan 2025 13:17
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: Jan 10 22:18:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:16:11 2025
Response via : Initial Calibration



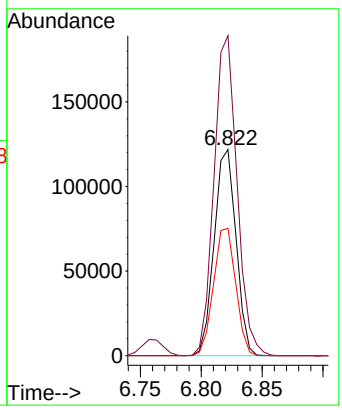


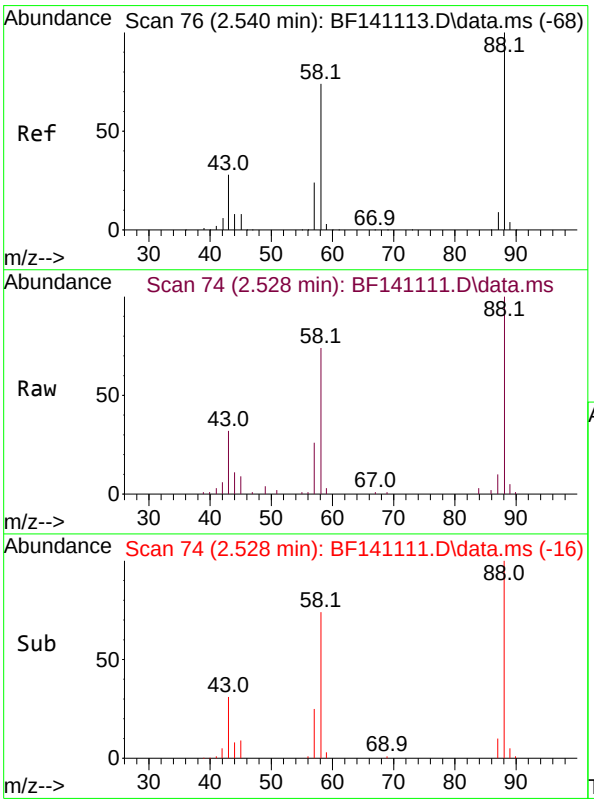
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 152818

Ion	Ratio	Lower	Upper
152	100		
150	155.3	125.8	188.8
115	61.8	51.4	77.2

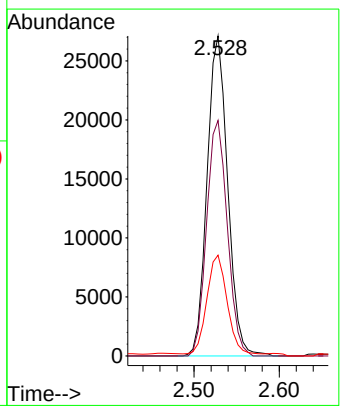


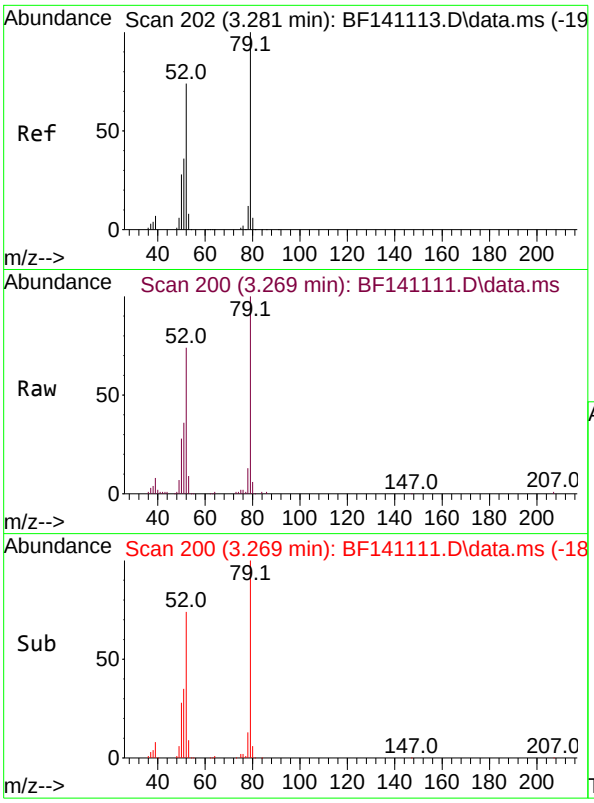


#2
1,4-Dioxane
Concen: 10.343 ng
RT: 2.528 min Scan# 74
Delta R.T. -0.012 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion: 88 Resp: 45563

Ion	Ratio	Lower	Upper
88	100		
58	73.8	60.1	90.1
43	29.9	23.1	34.7



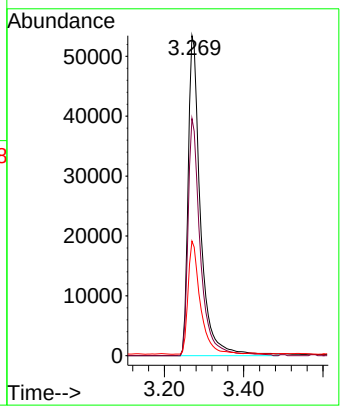


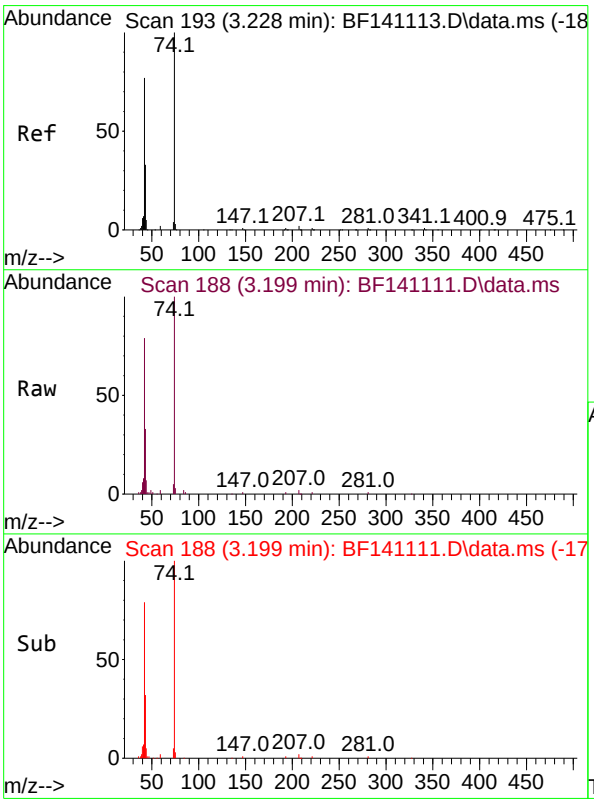
#3
Pyridine
Concen: 10.751 ng
RT: 3.269 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 116138

Ion	Ratio	Lower	Upper
79	100		
52	74.1	58.9	88.3
51	35.8	29.1	43.7

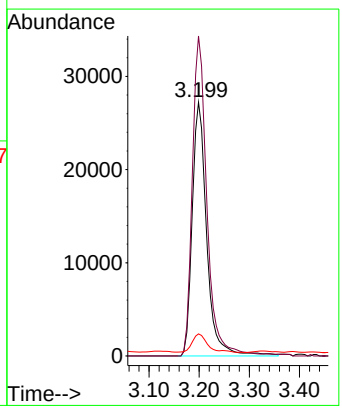


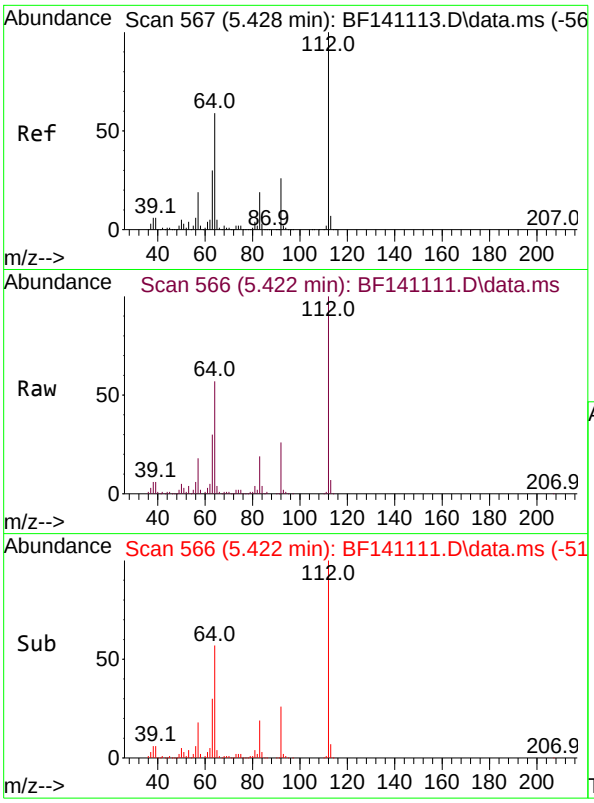


#4
n-Nitrosodimethylamine
Concen: 10.348 ng
RT: 3.199 min Scan# 188
Delta R.T. -0.029 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion: 42 Resp: 54661

Ion	Ratio	Lower	Upper
42	100		
74	126.1	103.8	155.6
44	8.7	5.3	7.9#



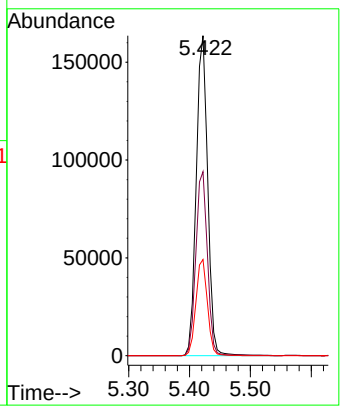


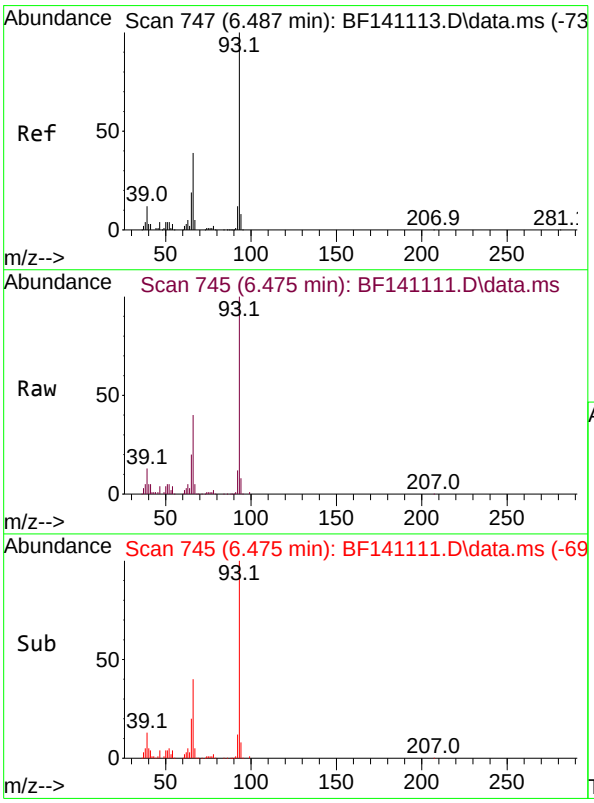
#5
2-Fluorophenol
Concen: 21.626 ng
RT: 5.422 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:112 Resp: 213934

Ion	Ratio	Lower	Upper
112	100		
64	57.5	47.3	70.9
63	30.0	24.2	36.2

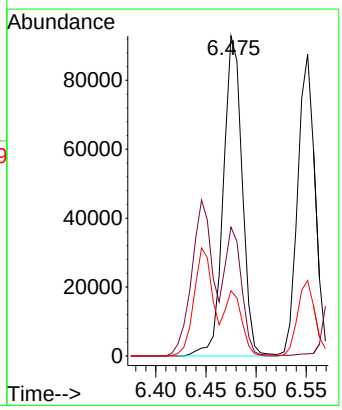


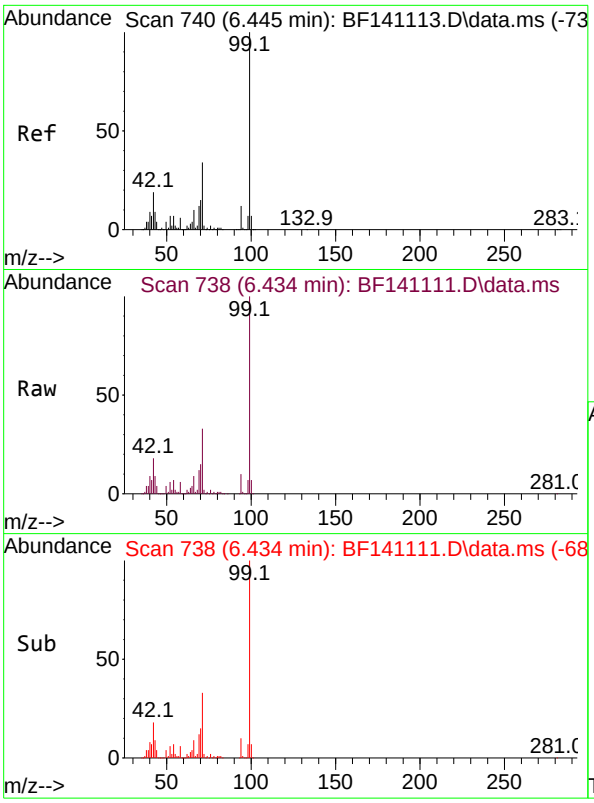


#6
Aniline
Concen: 10.874 ng
RT: 6.475 min Scan# 745
Delta R.T. -0.012 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion: 93 Resp: 120980

Ion	Ratio	Lower	Upper
93	100		
66	40.2	31.5	47.3
65	20.4	15.3	22.9



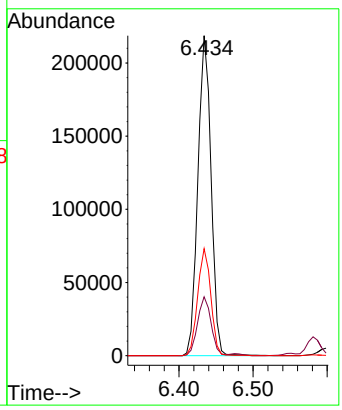


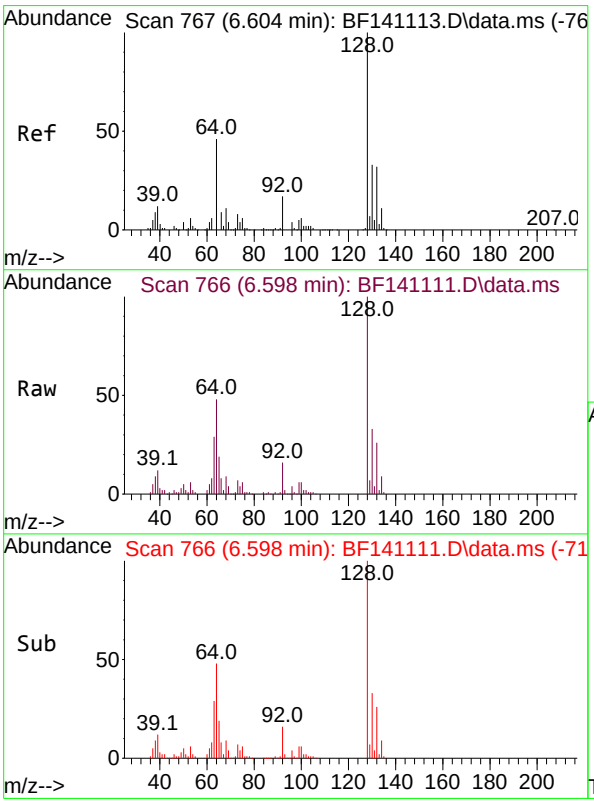
#7
Phenol-d6
Concen: 21.628 ng
RT: 6.434 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 99 Resp: 271016

Ion	Ratio	Lower	Upper
99	100		
42	18.4	15.0	22.4
71	33.5	27.6	41.4

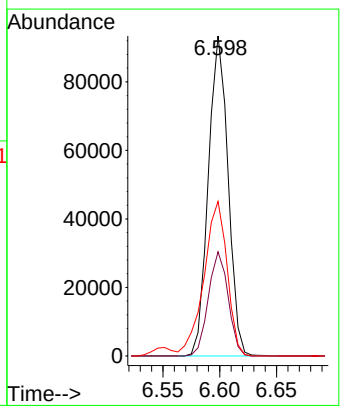


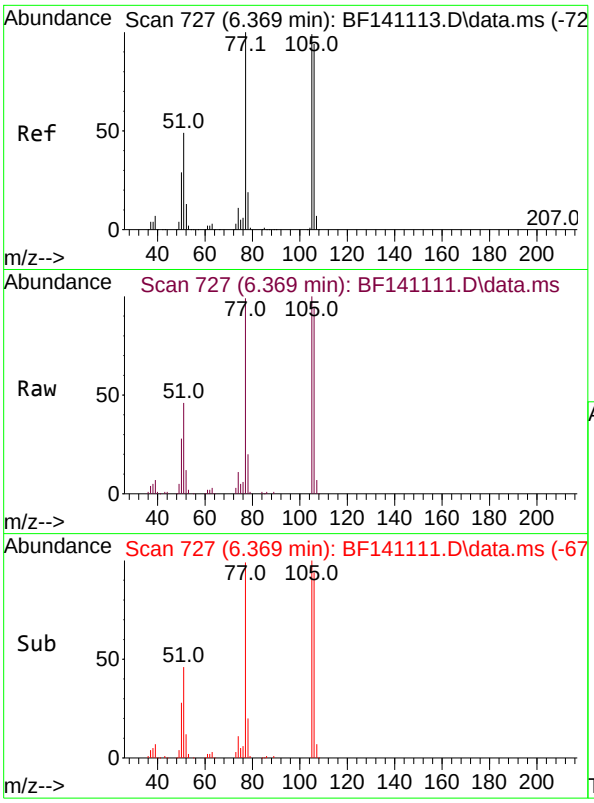


#8
2-Chlorophenol
Concen: 10.624 ng
RT: 6.598 min Scan# 766
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:128 Resp: 112757

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.5	52.5
64	48.3	28.3	68.3



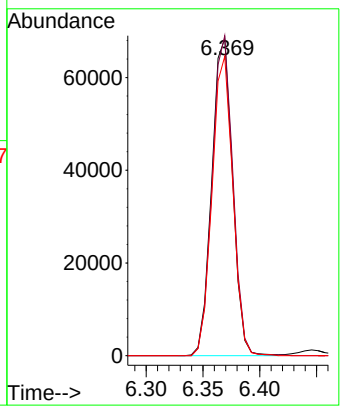


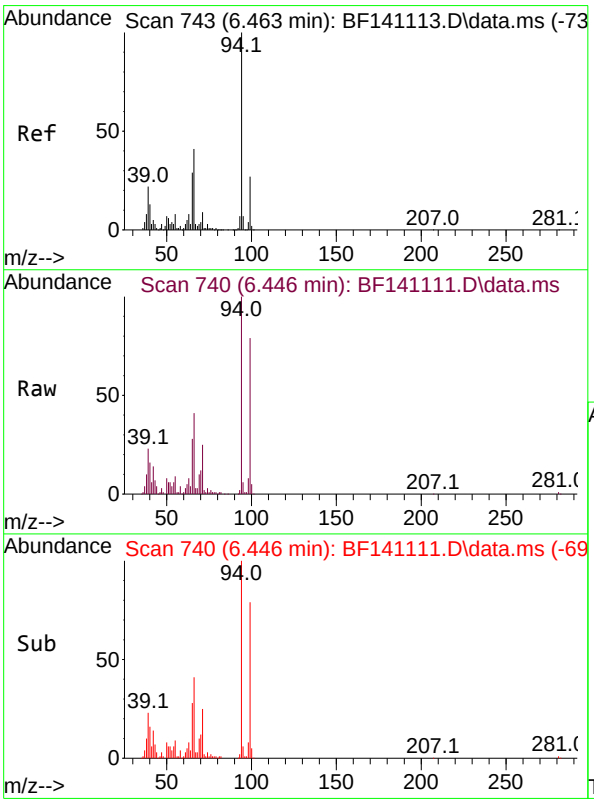
#9
Benzaldehyde
Concen: 12.433 ng
RT: 6.369 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 87029

Ion	Ratio	Lower	Upper
77	100		
105	100.9	78.9	118.9
106	94.4	73.6	113.6

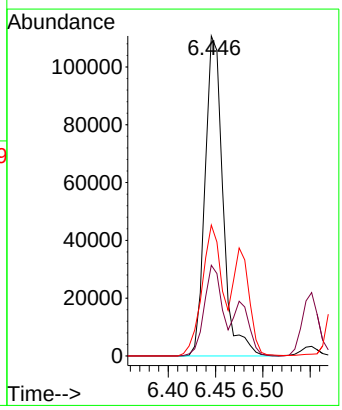


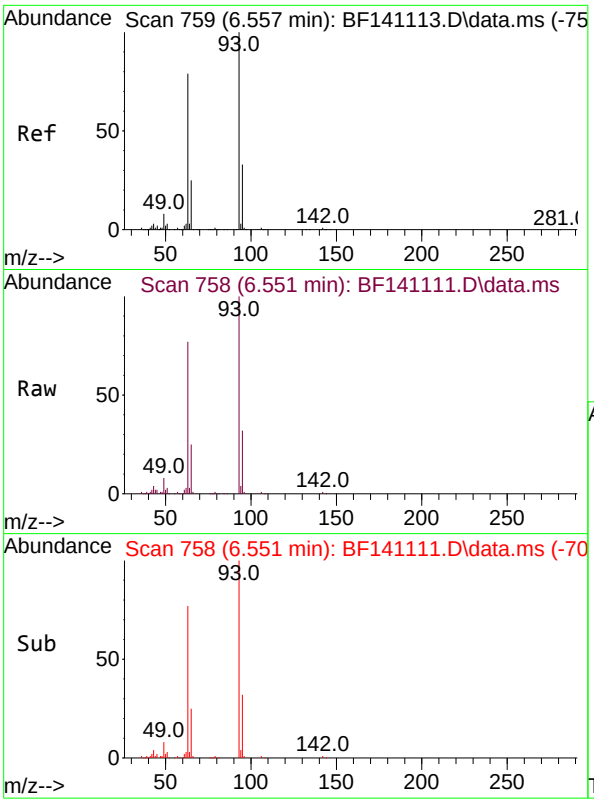


#10
Phenol
Concen: 10.837 ng
RT: 6.446 min Scan# 740
Delta R.T. -0.018 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion: 94 Resp: 145362

Ion	Ratio	Lower	Upper
94	100		
65	28.3	8.9	48.9
66	40.9	21.2	61.2



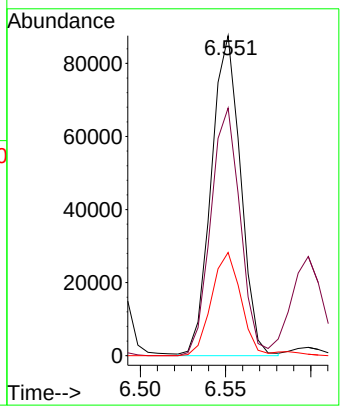


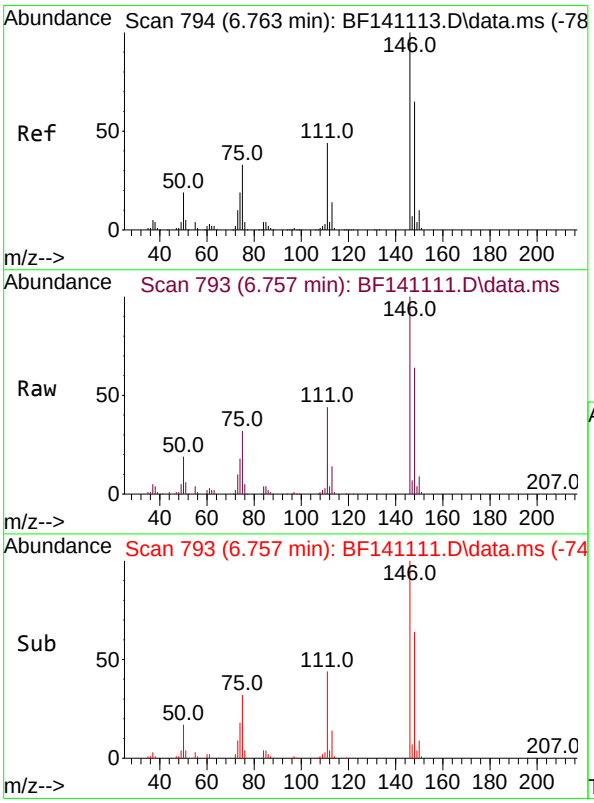
#11
bis(2-Chloroethyl)ether
Concen: 10.487 ng
RT: 6.551 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 93 Resp: 104839

Ion	Ratio	Lower	Upper
93	100		
63	77.4	58.0	98.0
95	32.2	12.5	52.5

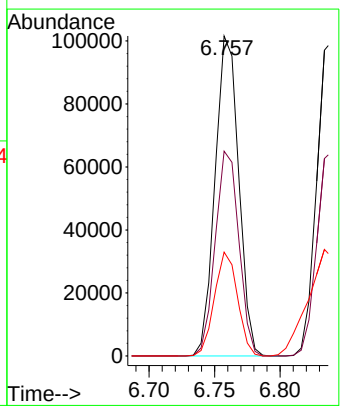


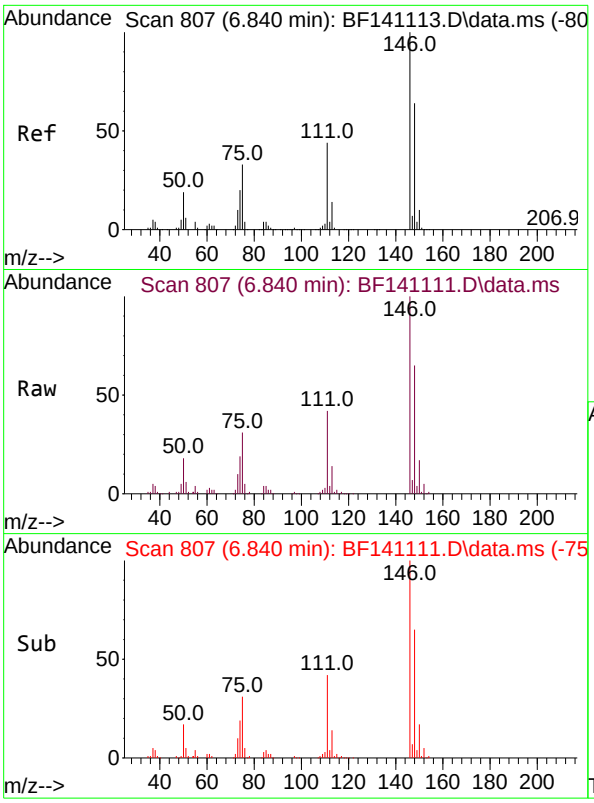


#12
1,3-Dichlorobenzene
Concen: 10.729 ng
RT: 6.757 min Scan# 793
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:146 Resp: 127000

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.6	77.4
75	32.5	26.2	39.2



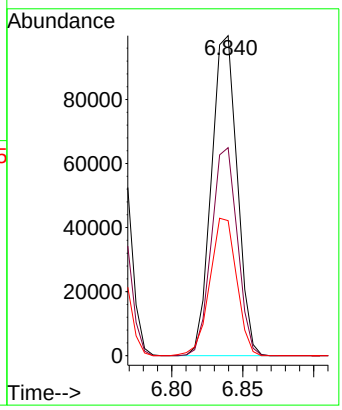


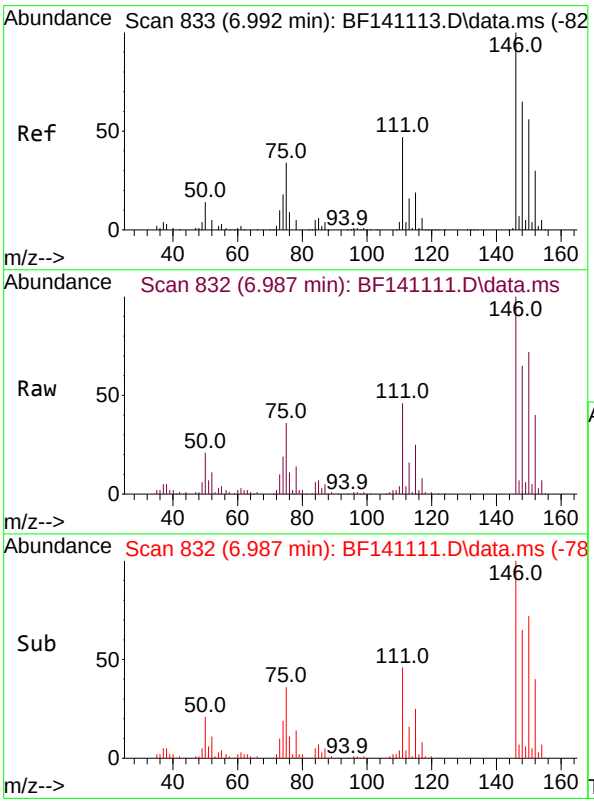
#13
1,4-Dichlorobenzene
Concen: 10.588 ng
RT: 6.840 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:146 Resp: 126297

Ion	Ratio	Lower	Upper
146	100		
148	65.0	51.0	76.6
111	42.2	34.9	52.3

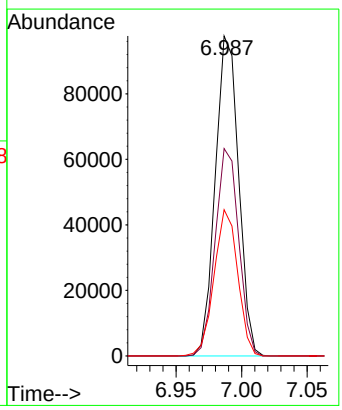


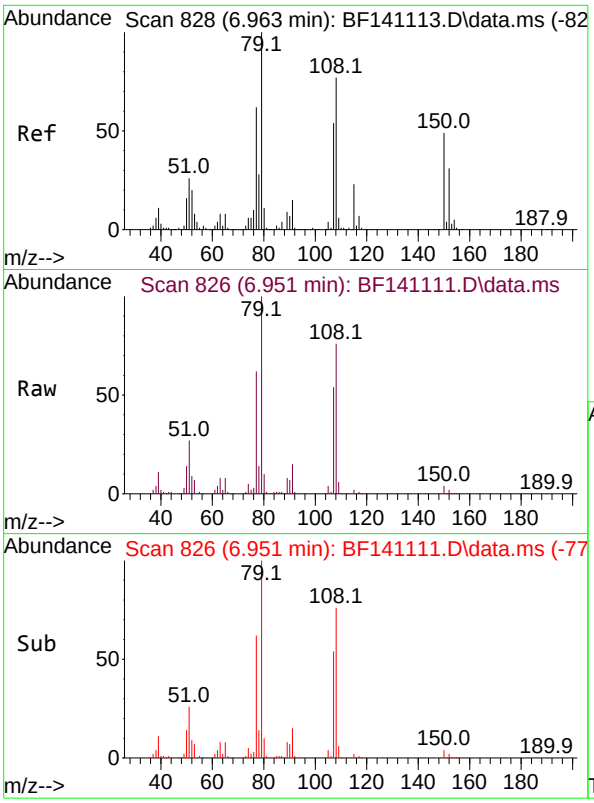


#14
1,2-Dichlorobenzene
Concen: 10.844 ng
RT: 6.987 min Scan# 832
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:146 Resp: 120656

Ion	Ratio	Lower	Upper
146	100		
148	64.8	52.2	78.4
111	45.7	37.5	56.3



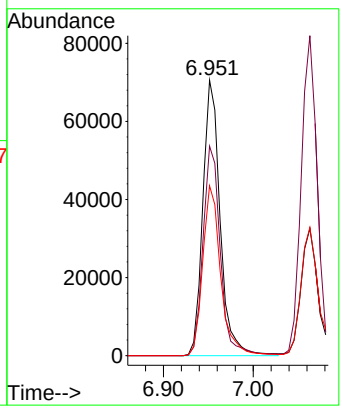


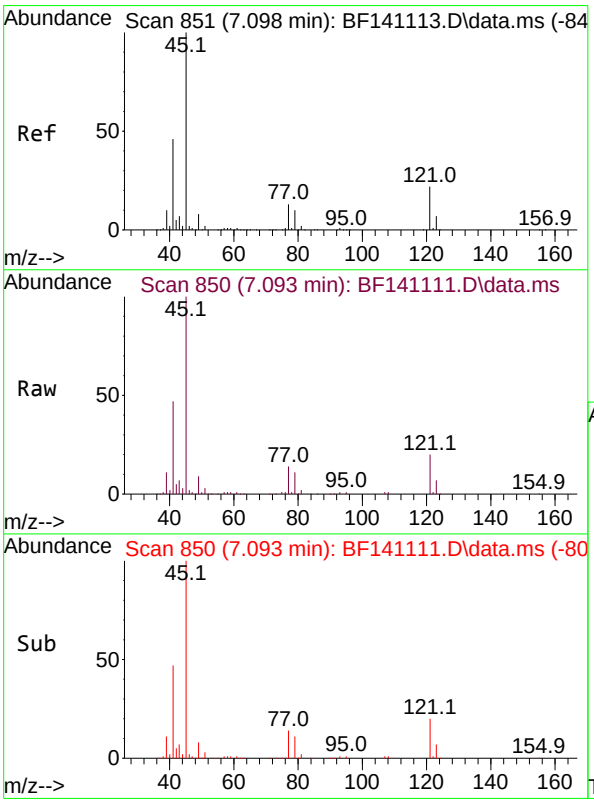
#15
Benzyl Alcohol
Concen: 10.469 ng
RT: 6.951 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 94737

Ion	Ratio	Lower	Upper
79	100		
108	76.1	61.4	92.0
77	61.7	49.8	74.6

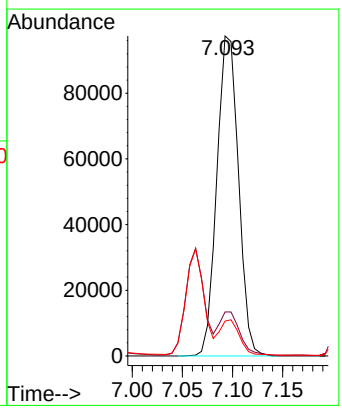


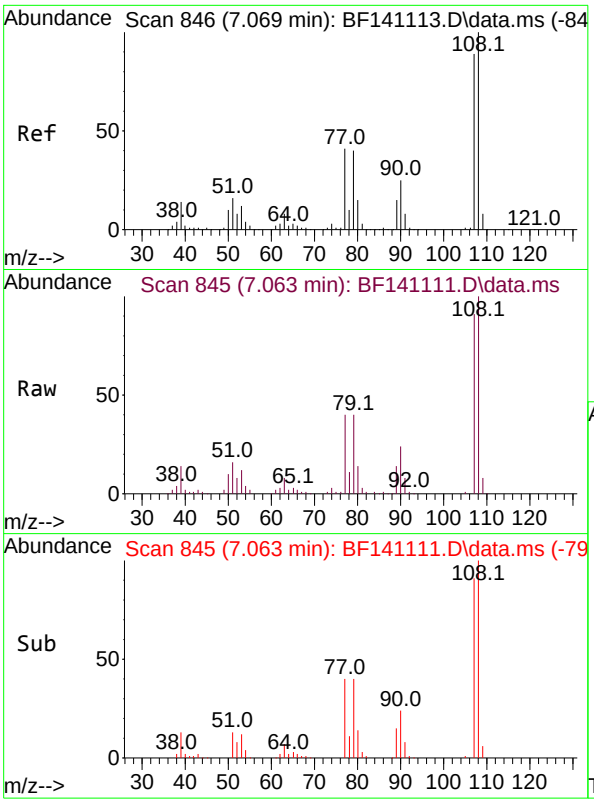


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.476 ng
RT: 7.093 min Scan# 850
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion: 45 Resp: 146135

Ion	Ratio	Lower	Upper
45	100		
77	13.8	0.0	34.1
79	10.9	0.0	31.0



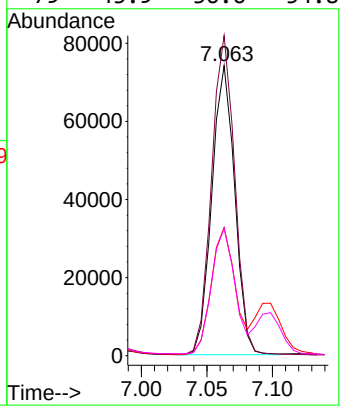


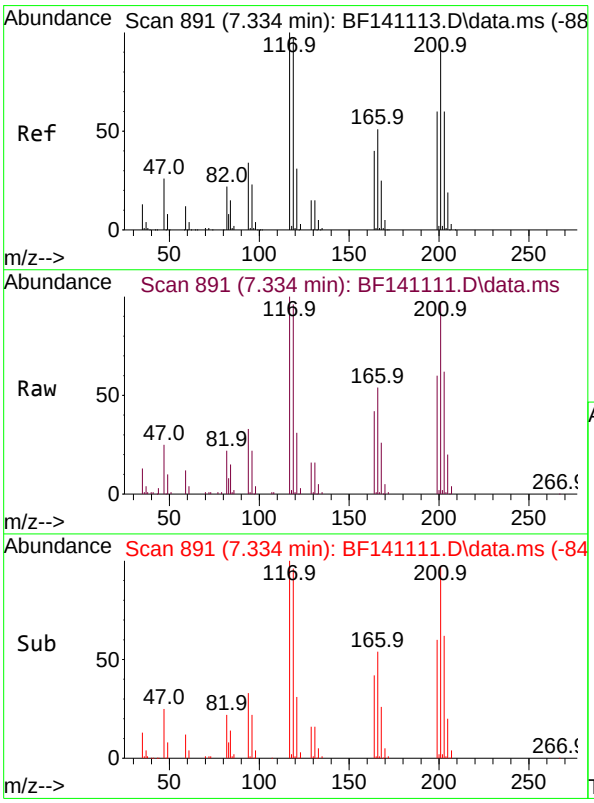
#17
2-Methylphenol
Concen: 10.478 ng
RT: 7.063 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:107 Resp: 89782

Ion	Ratio	Lower	Upper
107	100		
108	110.3	90.1	135.1
77	44.2	36.6	55.0
79	43.9	36.6	54.8

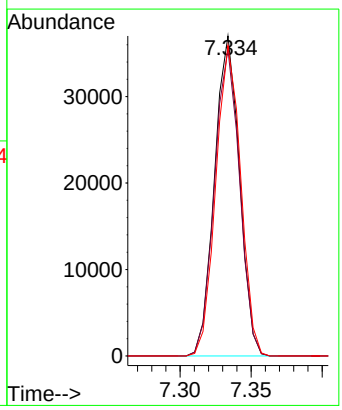


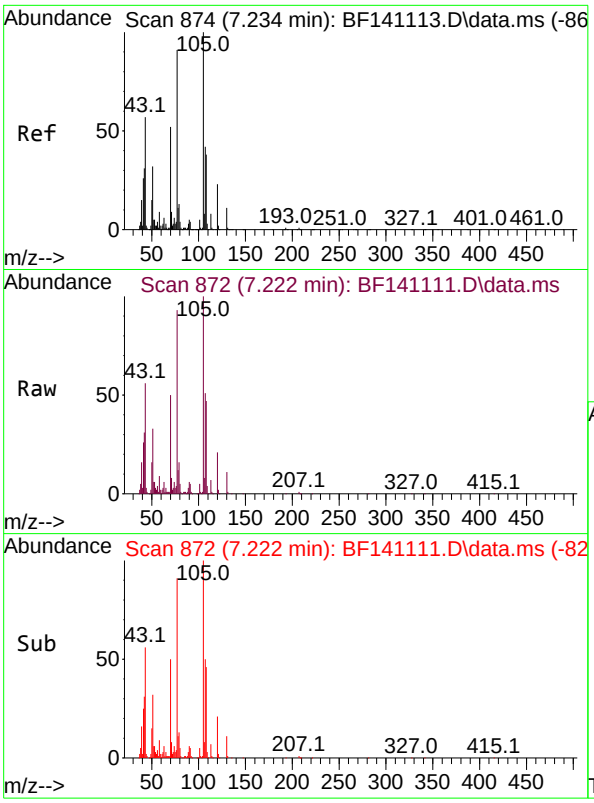


#18
Hexachloroethane
Concen: 10.461 ng
RT: 7.334 min Scan# 891
Delta R.T. 0.000 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:117 Resp: 45125

Ion	Ratio	Lower	Upper
117	100		
119	95.9	77.6	116.4
201	97.0	75.1	112.7



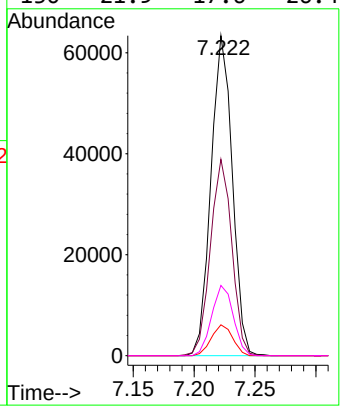


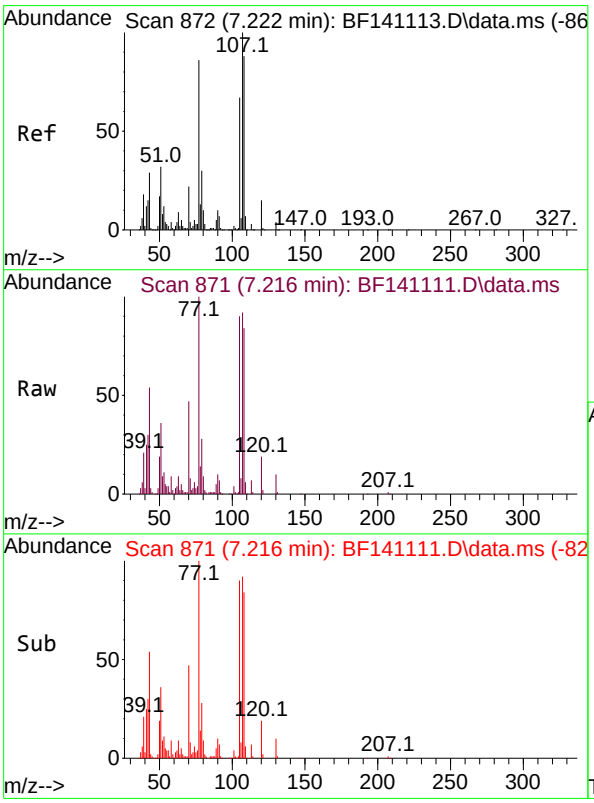
#19
n-Nitroso-di-n-propylamine
Concen: 10.468 ng
RT: 7.222 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 70 Resp: 77270

Ion	Ratio	Lower	Upper
70	100		
42	61.4	47.8	71.6
101	9.6	7.9	11.9
130	21.9	17.6	26.4

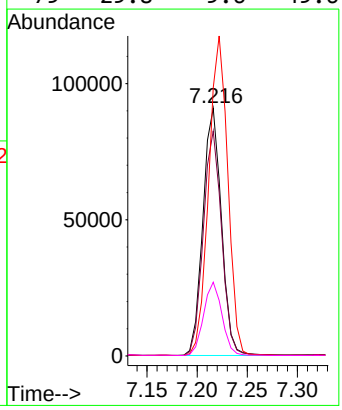


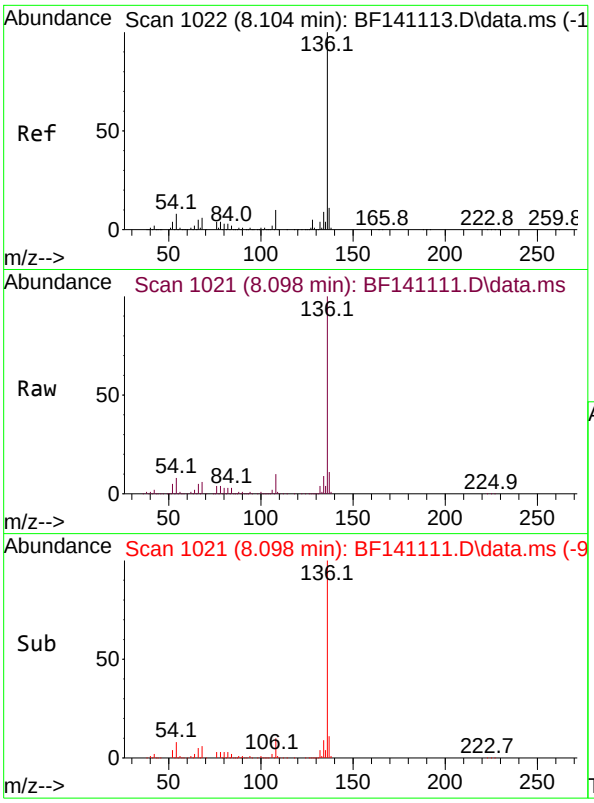


#20
3+4-Methylphenols
Concen: 10.809 ng
RT: 7.216 min Scan# 871
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:107 Resp: 116842

Ion	Ratio	Lower	Upper
107	100		
108	90.8	68.3	108.3
77	108.2	66.4	106.4#
79	29.8	9.6	49.6



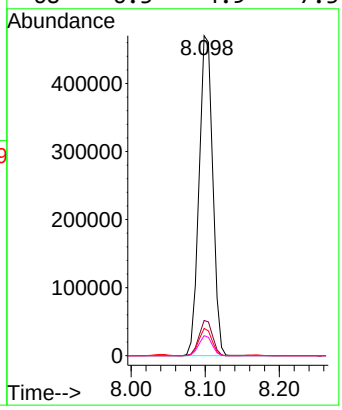


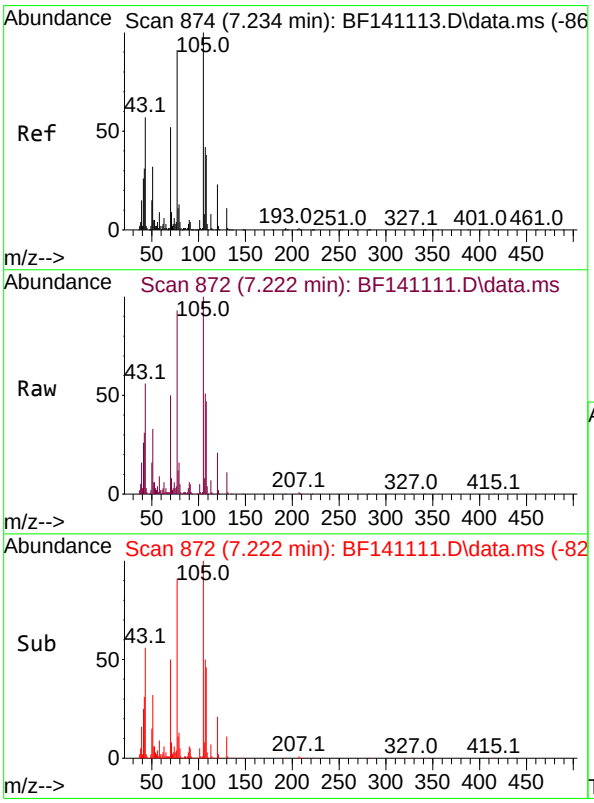
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:136 Resp: 604478

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.5	6.3	9.5
68	6.3	4.9	7.3

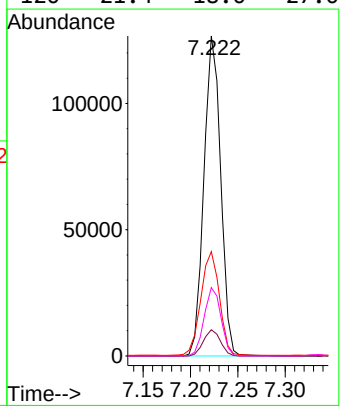


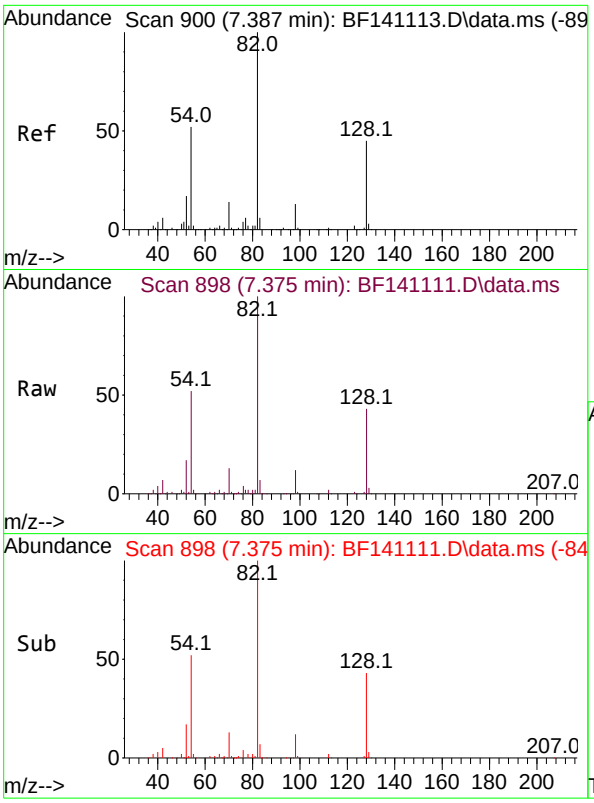


#22
Acetophenone
Concen: 10.851 ng
RT: 7.222 min Scan# 872
Delta R.T. -0.012 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:105 Resp: 155933

Ion	Ratio	Lower	Upper
105	100		
71	8.2	7.1	10.7
51	32.6	25.4	38.2
120	21.4	18.0	27.0



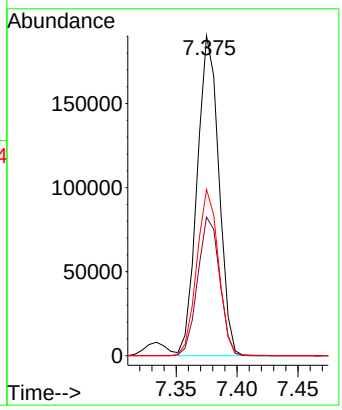


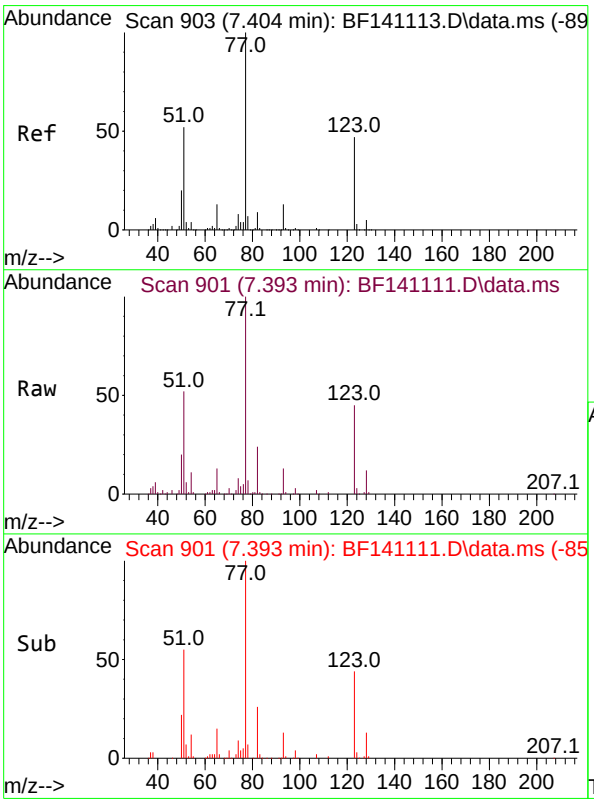
#23
Nitrobenzene-d5
Concen: 20.662 ng
RT: 7.375 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 235613

Ion	Ratio	Lower	Upper
82	100		
128	43.3	36.1	54.1
54	52.0	41.0	61.4

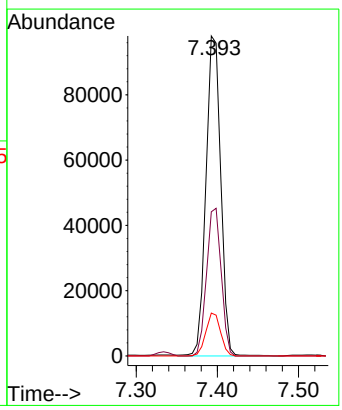


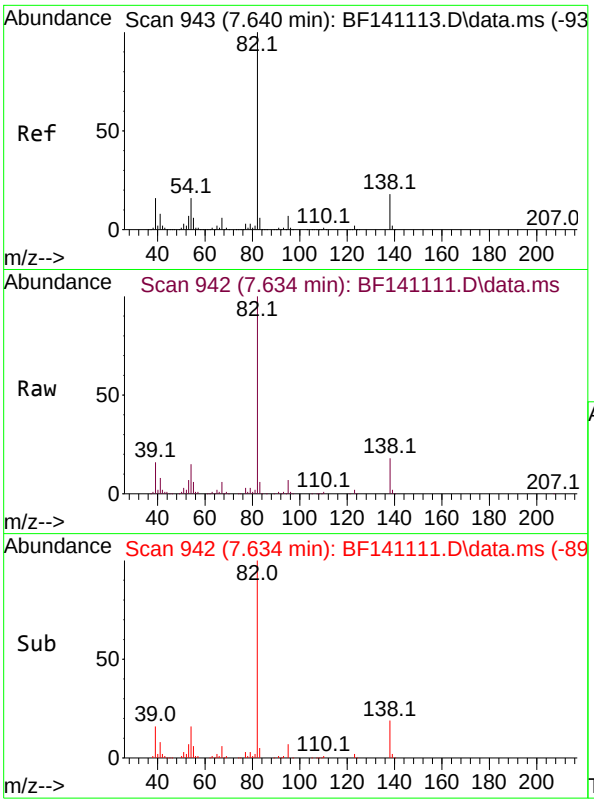


#24
Nitrobenzene
Concen: 10.428 ng
RT: 7.393 min Scan# 901
Delta R.T. -0.012 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion: 77 Resp: 123929

Ion	Ratio	Lower	Upper
77	100		
123	45.1	37.7	56.5
65	13.4	10.6	16.0



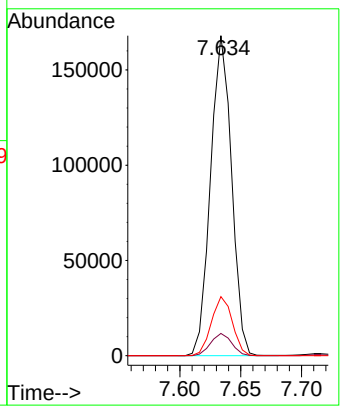


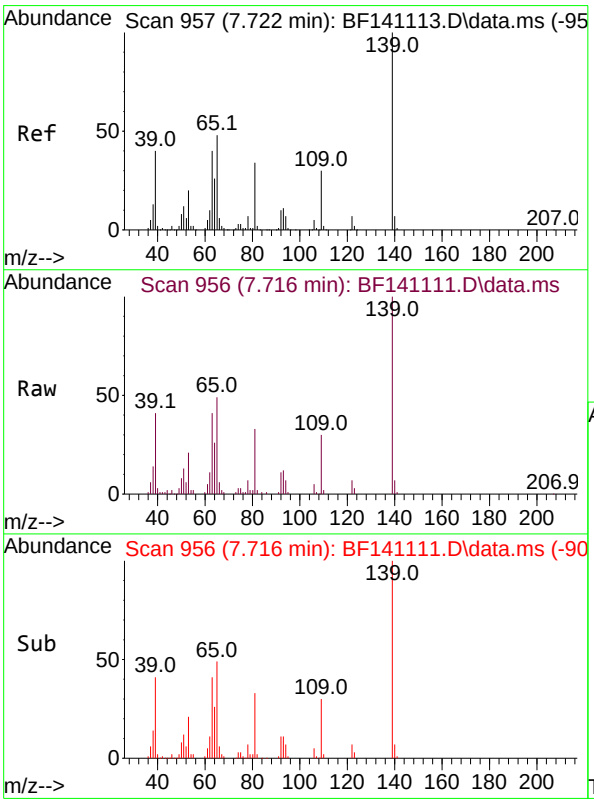
#25
Isophorone
Concen: 10.363 ng
RT: 7.634 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 201958

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.9	8.9
138	18.4	14.2	21.2

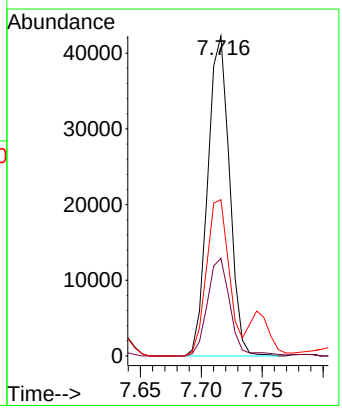


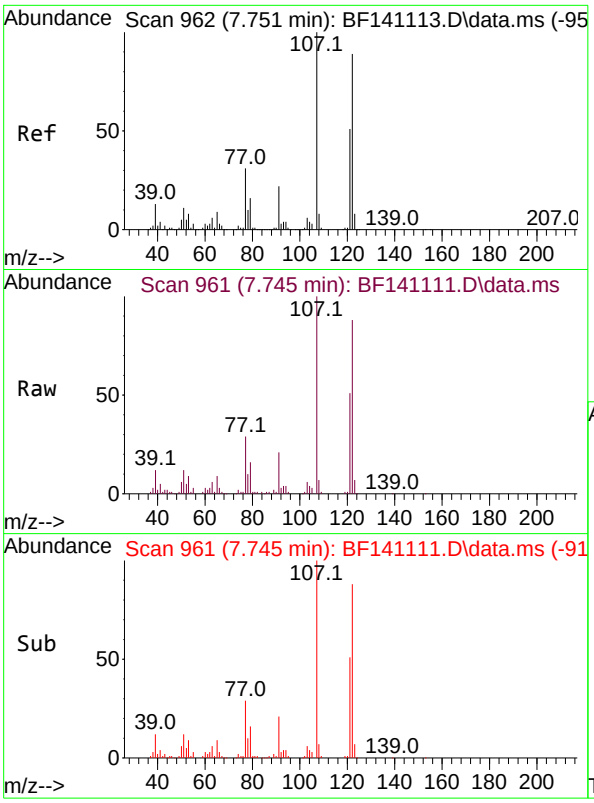


#26
2-Nitrophenol
Concen: 9.698 ng
RT: 7.716 min Scan# 956
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:139 Resp: 52430

Ion	Ratio	Lower	Upper
139	100		
109	30.5	23.8	35.6
65	48.8	38.5	57.7



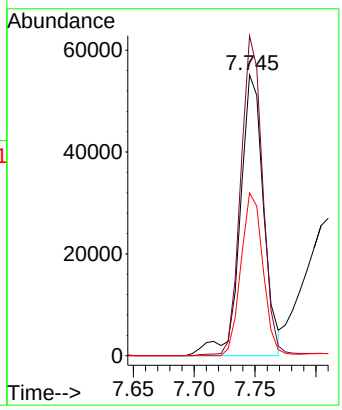


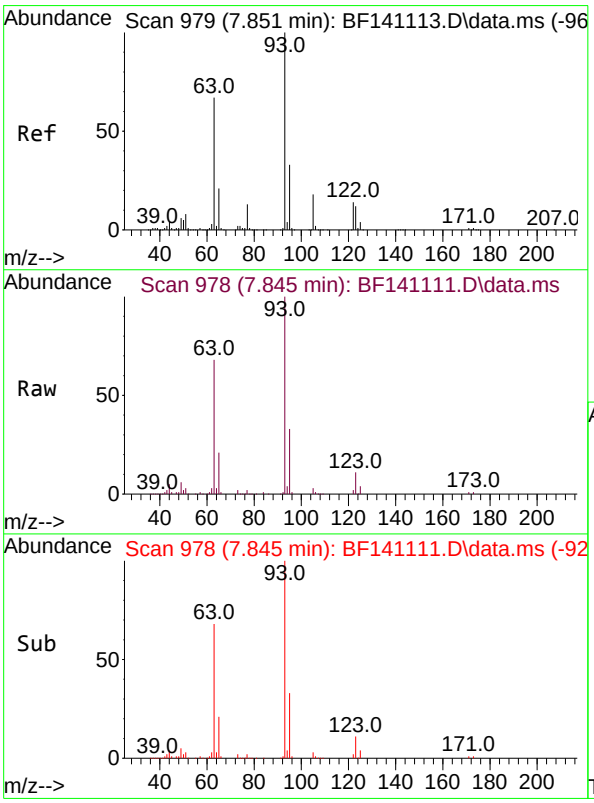
#27
2,4-Dimethylphenol
Concen: 10.123 ng
RT: 7.745 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:122 Resp: 73818

Ion	Ratio	Lower	Upper
122	100		
107	114.0	90.3	135.5
121	58.0	46.5	69.7

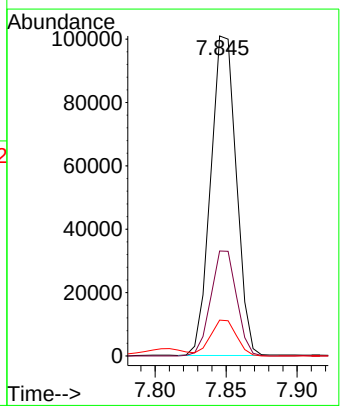


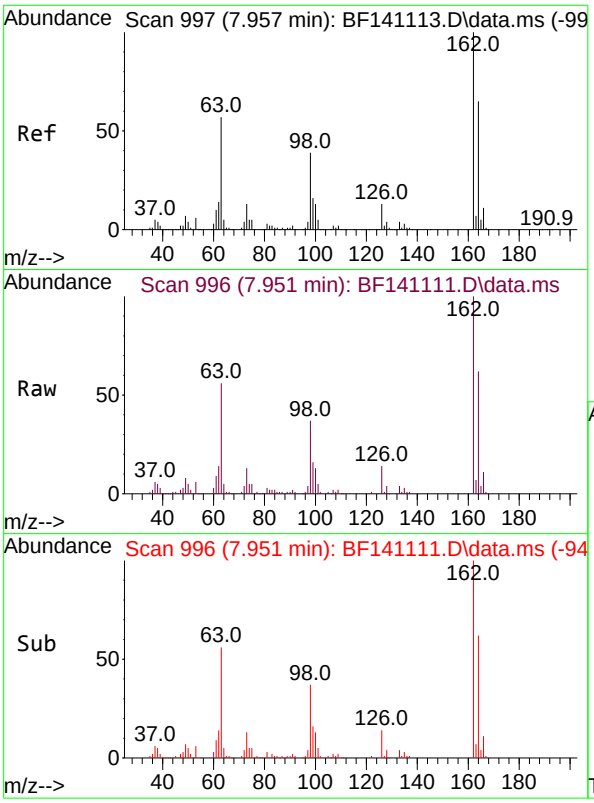


#28
bis(2-Chloroethoxy)methane
Concen: 10.342 ng
RT: 7.845 min Scan# 978
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion: 93 Resp: 126489

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.2	39.4
123	11.2	10.1	15.1



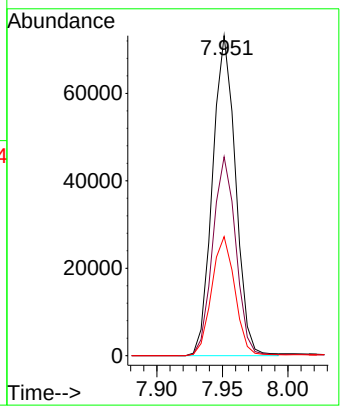


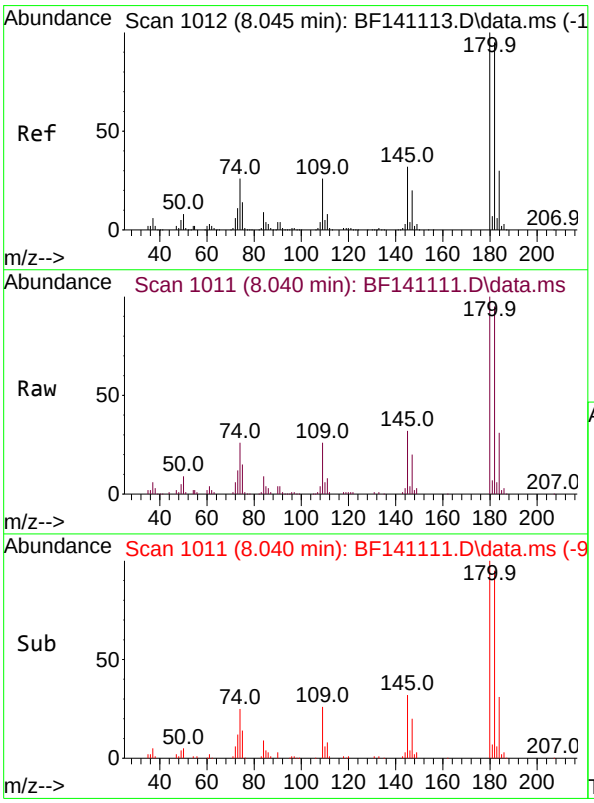
#29
2,4-Dichlorophenol
Concen: 10.341 ng
RT: 7.951 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 89559

Ion	Ratio	Lower	Upper
162	100		
164	62.2	44.5	84.5
98	37.2	18.5	58.5

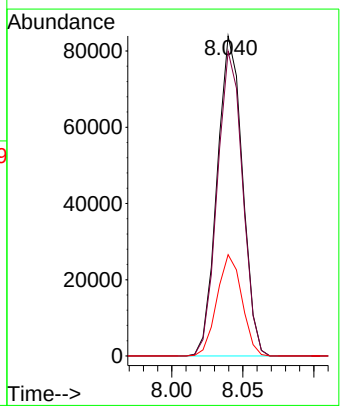


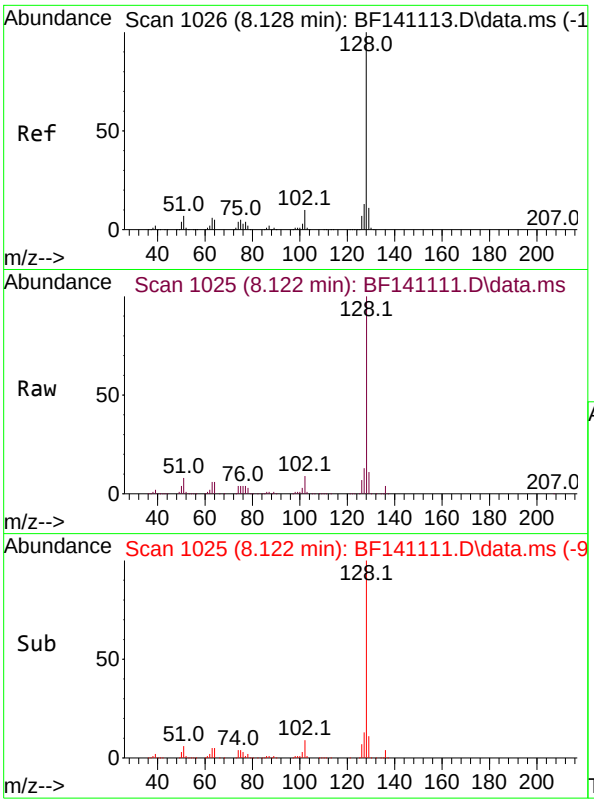


#30
1,2,4-Trichlorobenzene
Concen: 10.490 ng
RT: 8.040 min Scan# 1011
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:180 Resp: 103848

Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.2	114.2
145	31.7	25.3	37.9



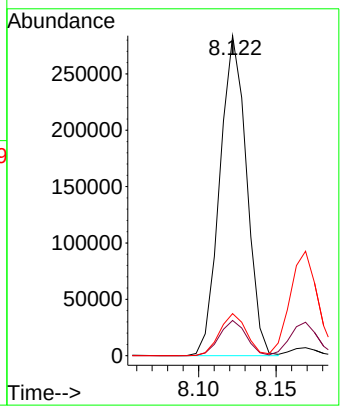


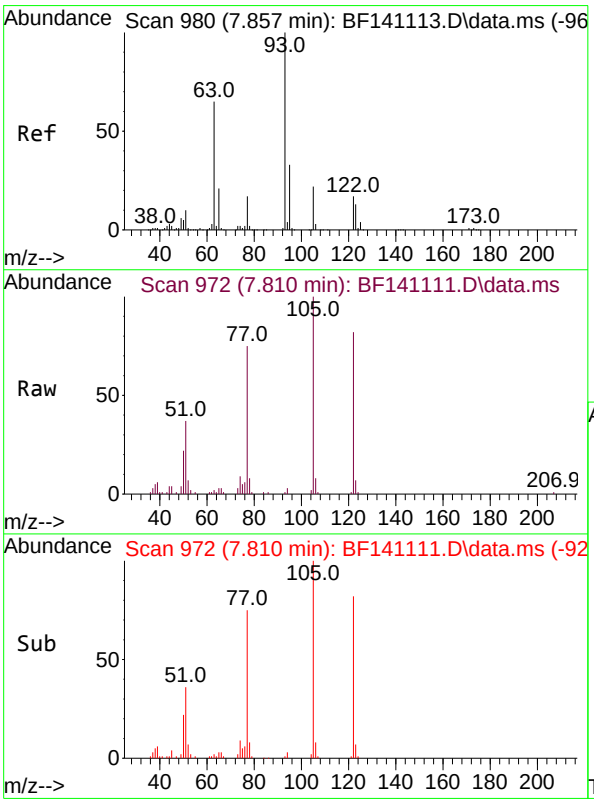
#31
Naphthalene
Concen: 10.675 ng
RT: 8.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:128 Resp: 340302

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.6
127	13.1	10.8	16.2

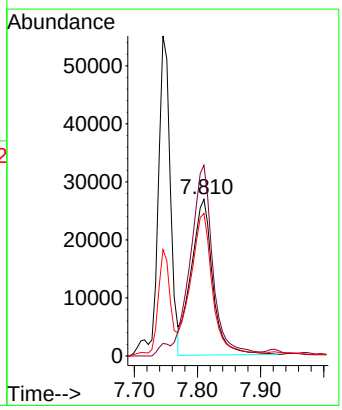


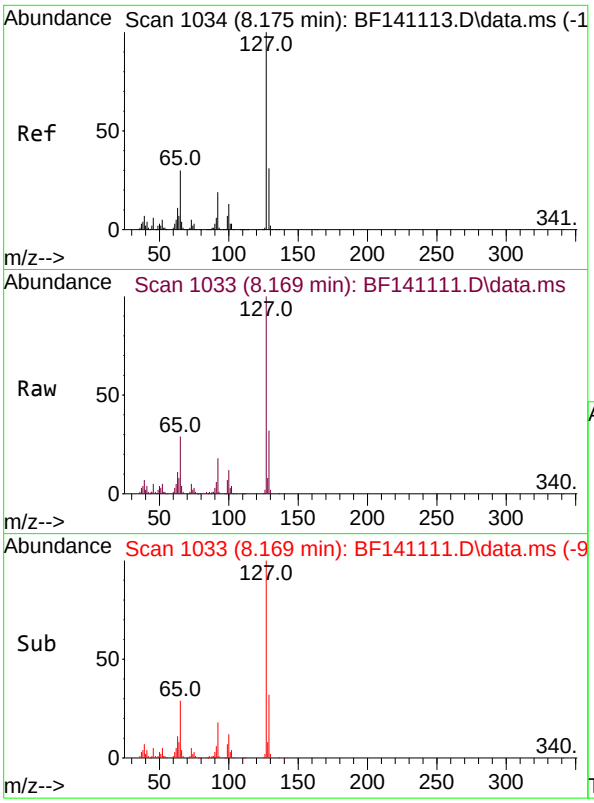


#32
Benzoic acid
Concen: 9.119 ng
RT: 7.810 min Scan# 972
Delta R.T. -0.047 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:122 Resp: 63791

Ion	Ratio	Lower	Upper
122	100		
105	121.7	105.5	145.5
77	91.0	75.1	115.1



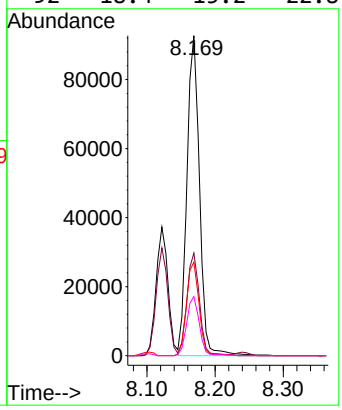


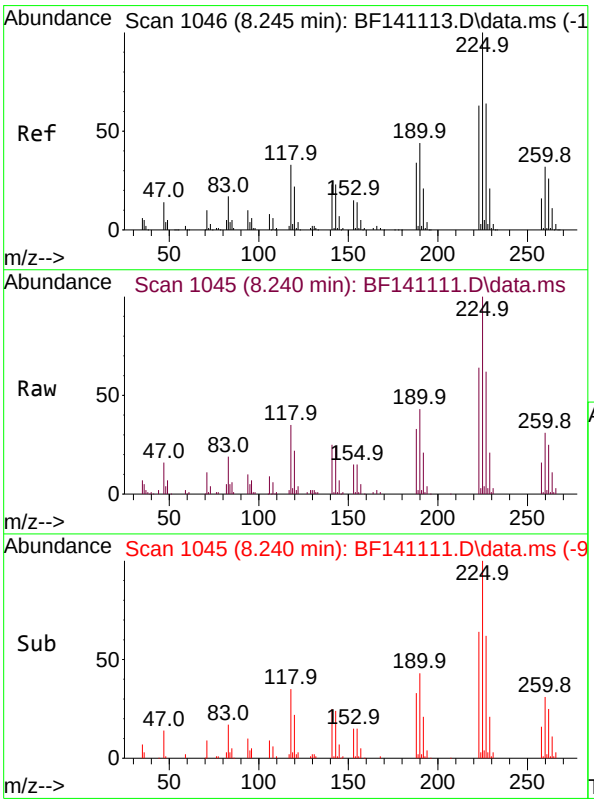
#33
4-Chloroaniline
Concen: 10.679 ng
RT: 8.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:127 Resp: 117726

Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.9	38.9
65	29.2	23.8	35.8
92	18.4	15.2	22.8

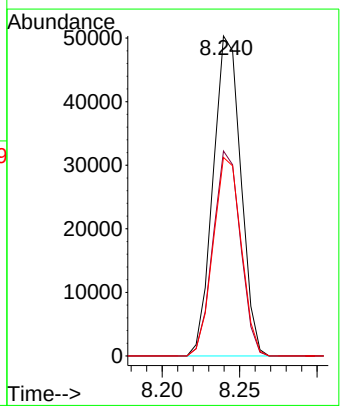


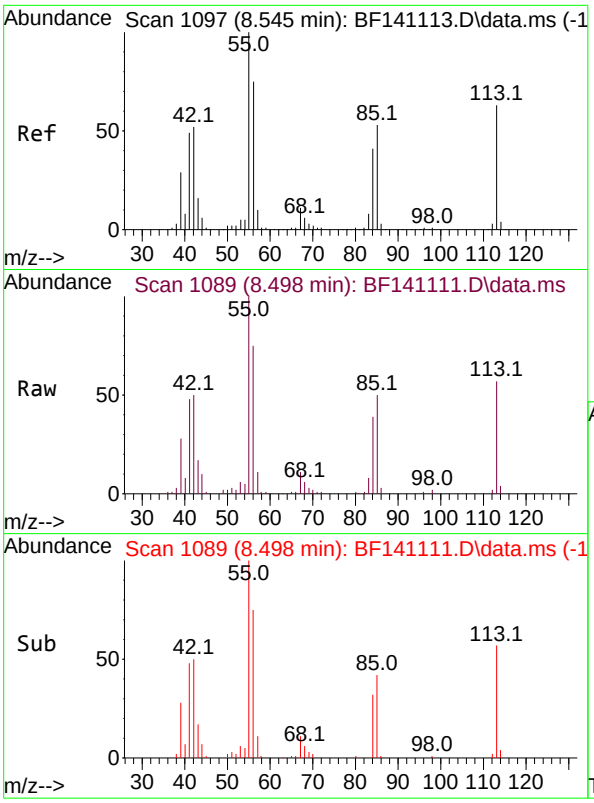


#34
Hexachlorobutadiene
Concen: 10.496 ng
RT: 8.240 min Scan# 1045
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:225 Resp: 62610

Ion	Ratio	Lower	Upper
225	100		
223	64.0	50.6	76.0
227	62.0	51.6	77.4



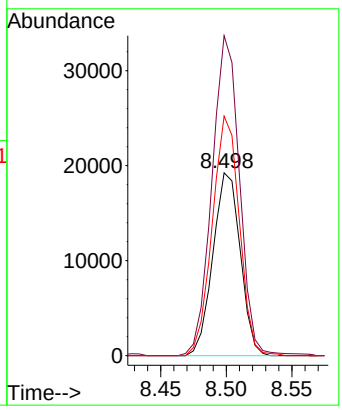


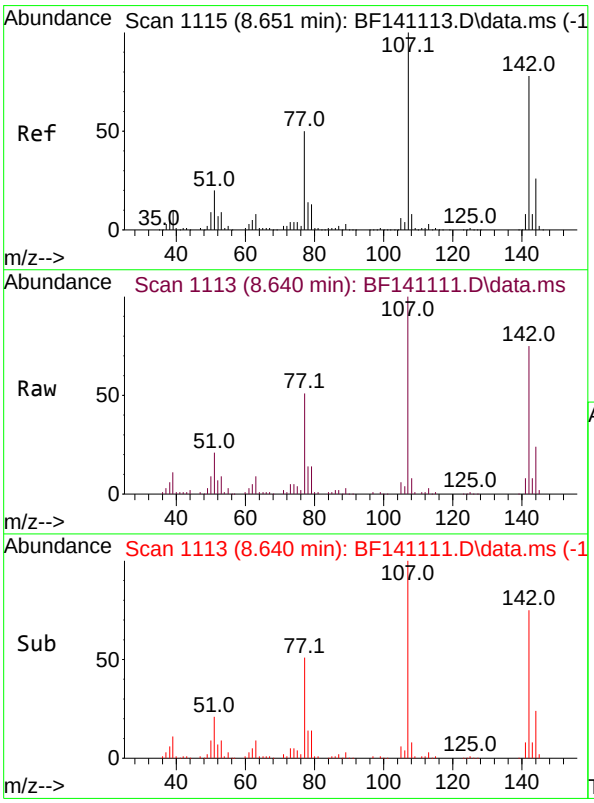
#35
Caprolactam
Concen: 9.814 ng
RT: 8.498 min Scan# 1
Delta R.T. -0.047 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:113 Resp: 27881

Ion	Ratio	Lower	Upper
113	100		
55	175.0	139.7	179.7
56	131.0	99.4	139.4

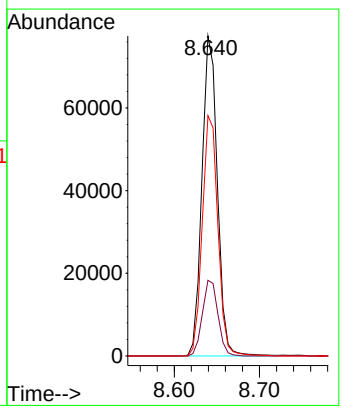


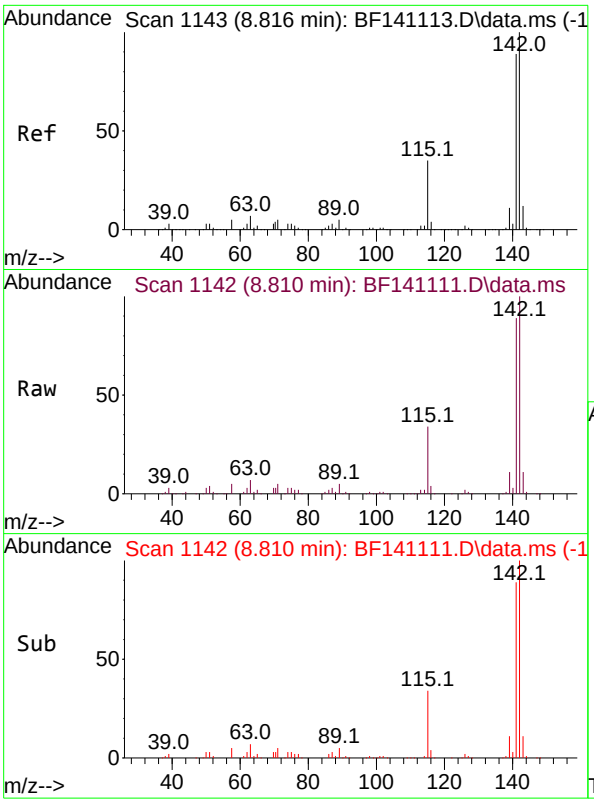


#36
4-Chloro-3-methylphenol
Concen: 10.268 ng
RT: 8.640 min Scan# 1113
Delta R.T. -0.012 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:107 Resp: 97256

Ion	Ratio	Lower	Upper
107	100		
144	23.6	20.4	30.6
142	75.1	62.2	93.2



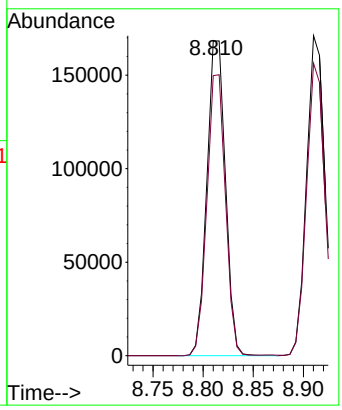


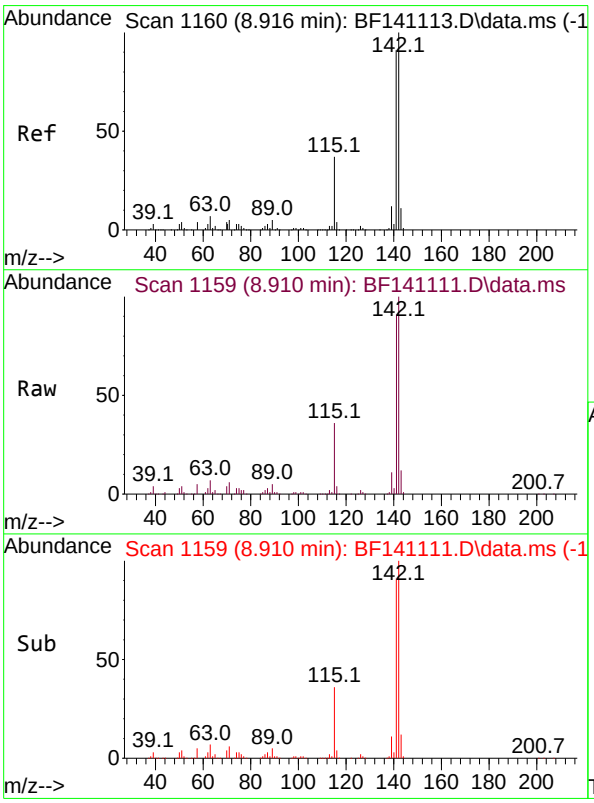
#37
2-Methylnaphthalene
Concen: 10.704 ng
RT: 8.810 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:142 Resp: 217446

Ion	Ratio	Lower	Upper
142	100		
141	89.0	71.3	106.9

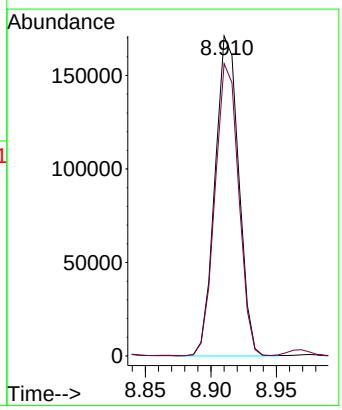


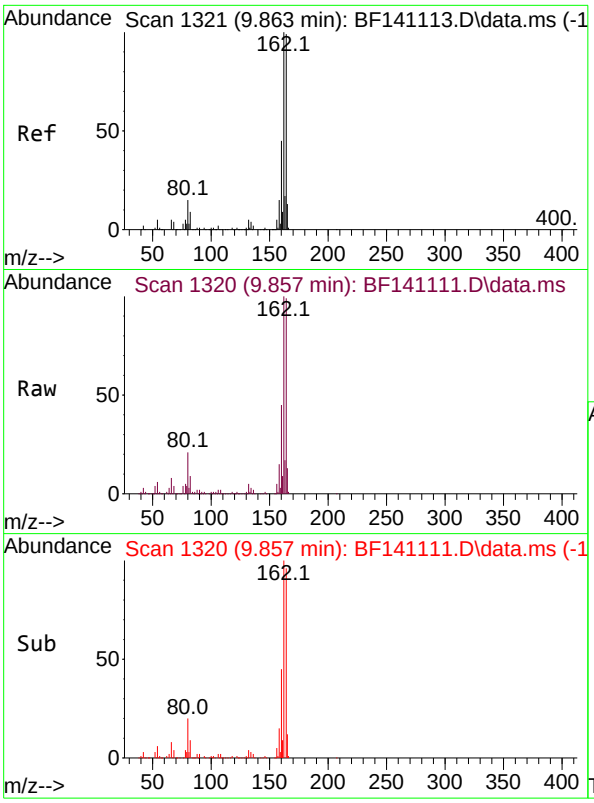


#38
1-Methylnaphthalene
Concen: 10.747 ng
RT: 8.910 min Scan# 1159
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:142 Resp: 215158

Ion	Ratio	Lower	Upper
142	100		
141	91.4	73.1	109.7



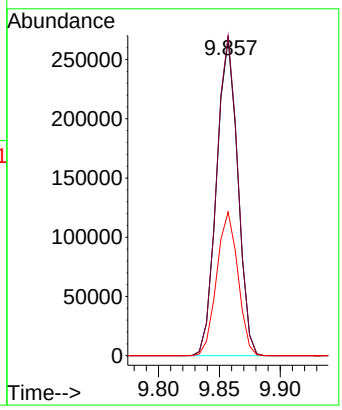


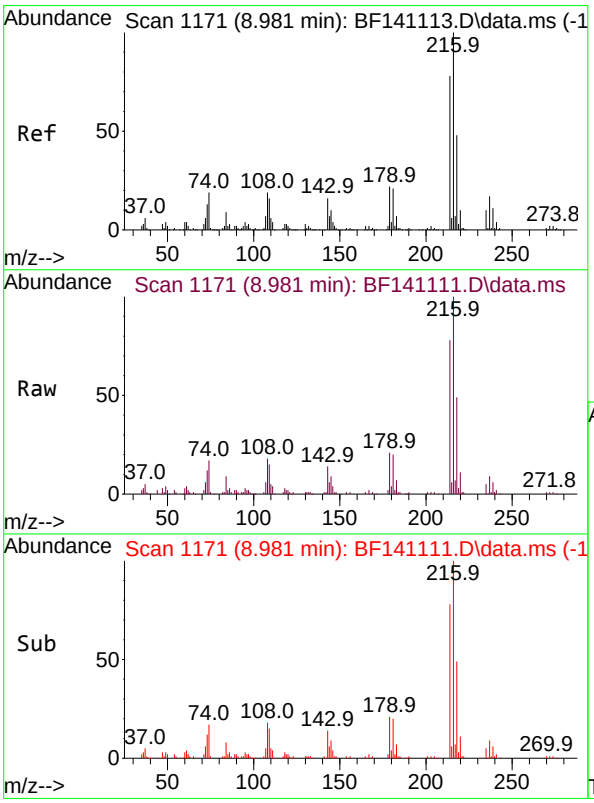
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:164 Resp: 323407

Ion	Ratio	Lower	Upper
164	100		
162	101.2	81.0	121.4
160	45.5	36.1	54.1

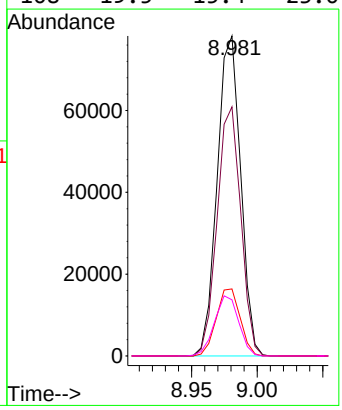


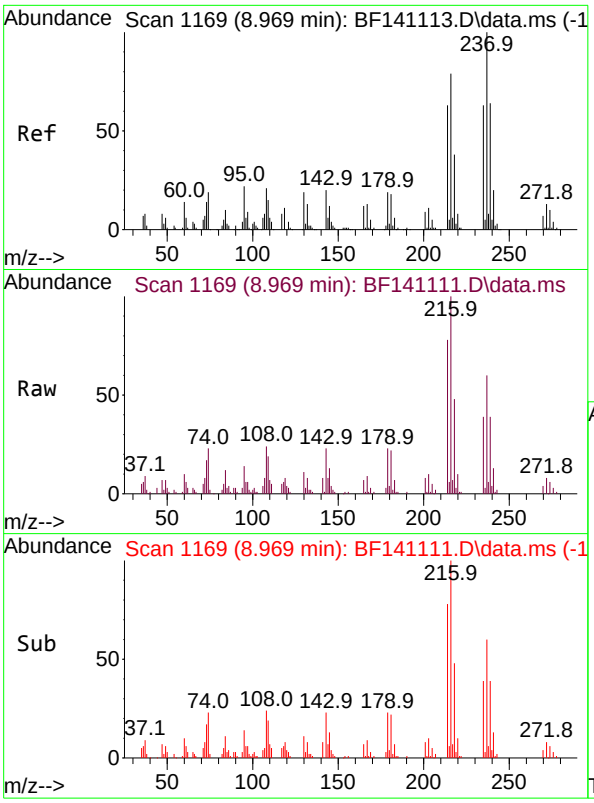


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.477 ng
RT: 8.981 min Scan# 1171
Delta R.T. 0.000 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:216 Resp: 97255

Ion	Ratio	Lower	Upper
216	100		
214	78.3	62.6	94.0
179	21.4	17.7	26.5
108	19.5	15.4	23.0



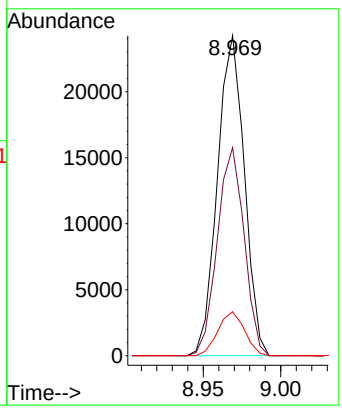


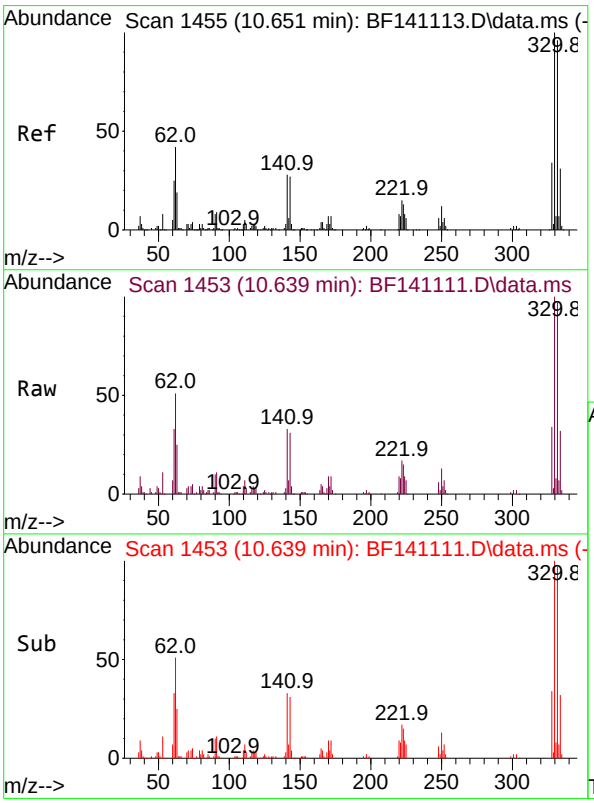
#41
Hexachlorocyclopentadiene
Concen: 9.652 ng
RT: 8.969 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:237 Resp: 29312

Ion	Ratio	Lower	Upper
237	100		
235	65.0	43.0	83.0
272	13.7	0.0	33.0

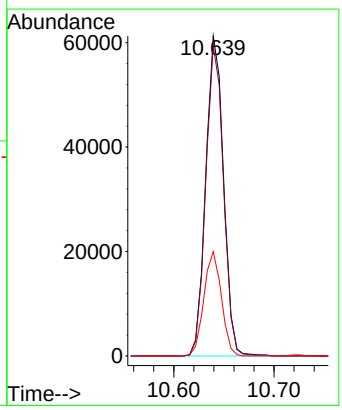


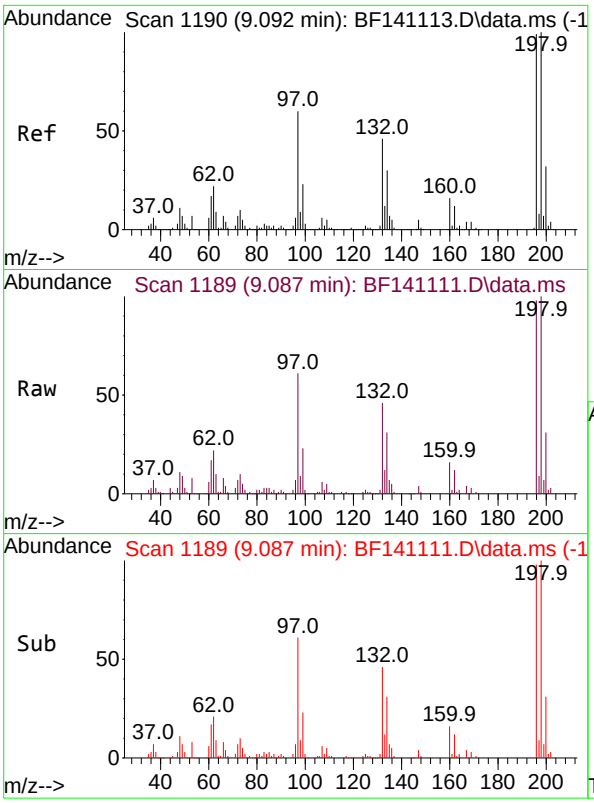


#42
2,4,6-Tribromophenol
Concen: 20.474 ng
RT: 10.639 min Scan# 1453
Delta R.T. -0.012 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:330 Resp: 75448

Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.9	115.3
141	32.1	25.2	37.8



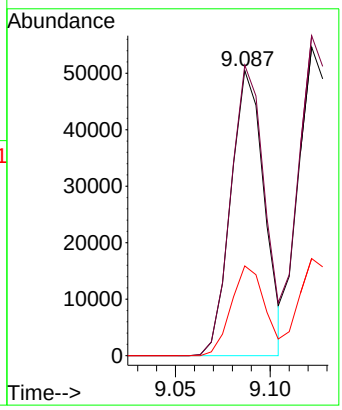


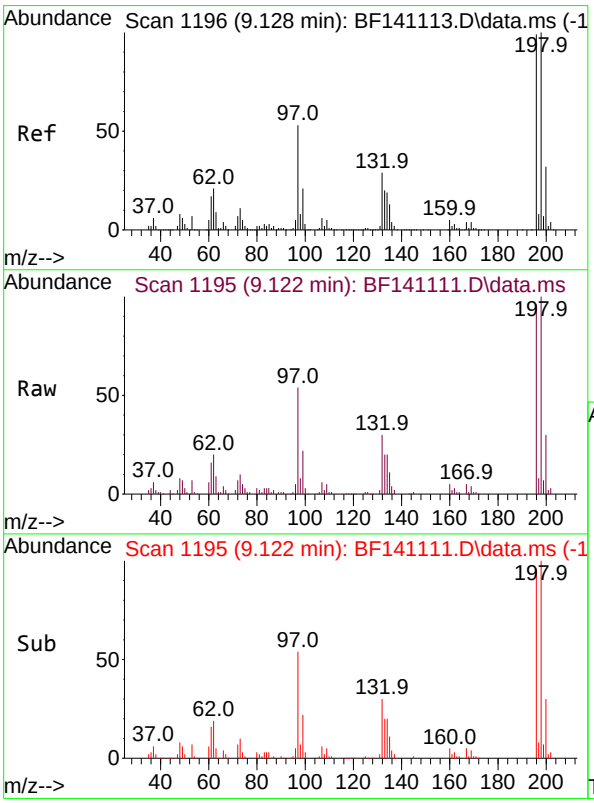
#43
2,4,6-Trichlorophenol
Concen: 9.915 ng
RT: 9.087 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:196 Resp: 62070

Ion	Ratio	Lower	Upper
196	100		
198	101.9	80.8	121.2
200	31.5	25.7	38.5

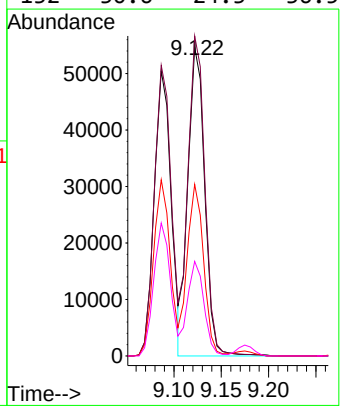


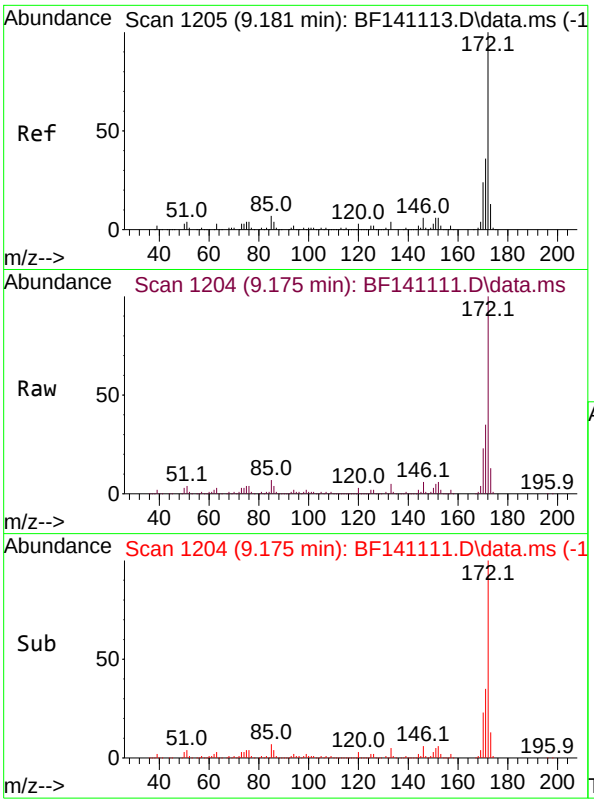


#44
2,4,5-Trichlorophenol
Concen: 10.258 ng
RT: 9.122 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:196 Resp: 67822

Ion	Ratio	Lower	Upper
196	100		
198	103.7	80.6	120.8
97	55.5	43.1	64.7
132	30.6	24.3	36.5



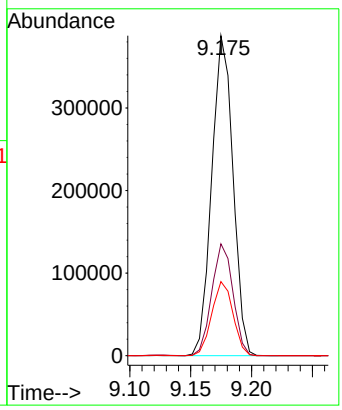


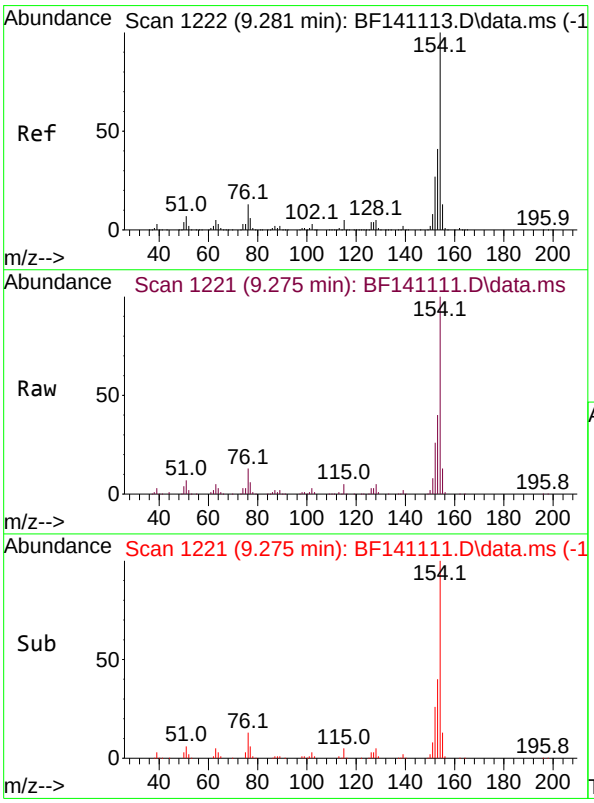
#45
2-Fluorobiphenyl
Concen: 22.282 ng
RT: 9.175 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:172 Resp: 471901

Ion	Ratio	Lower	Upper
172	100		
171	34.9	28.7	43.1
170	23.1	19.0	28.6

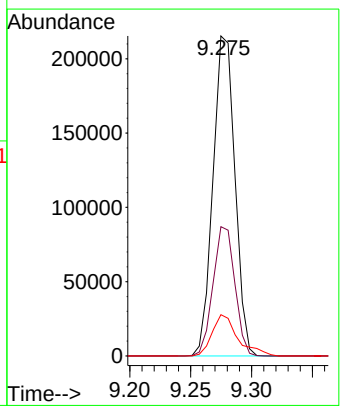


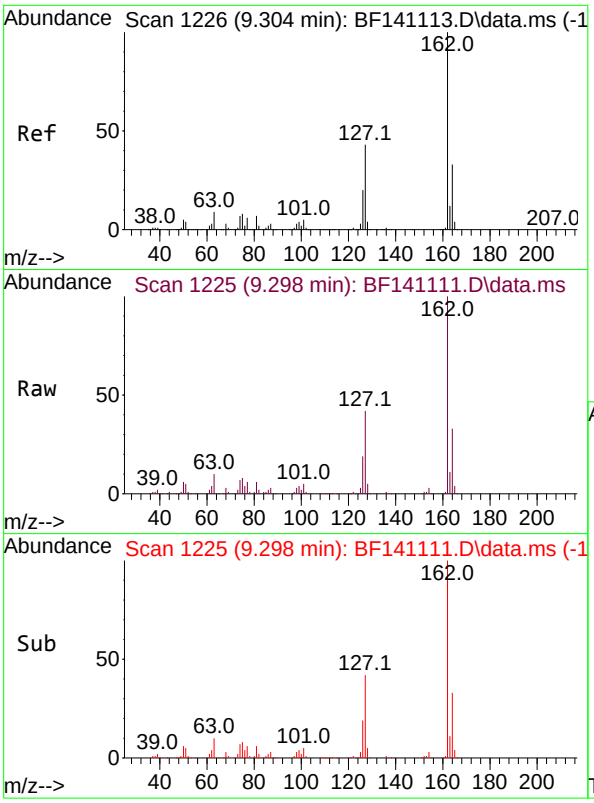


#46
1,1'-Biphenyl
Concen: 10.757 ng
RT: 9.275 min Scan# 1221
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:154 Resp: 270164

Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.7	60.7
76	12.9	0.0	33.1



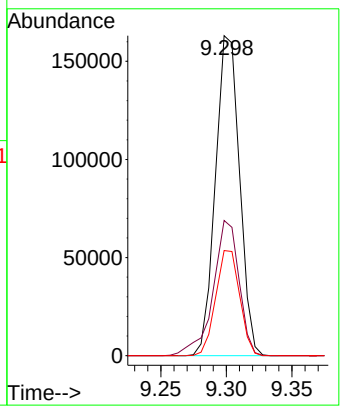


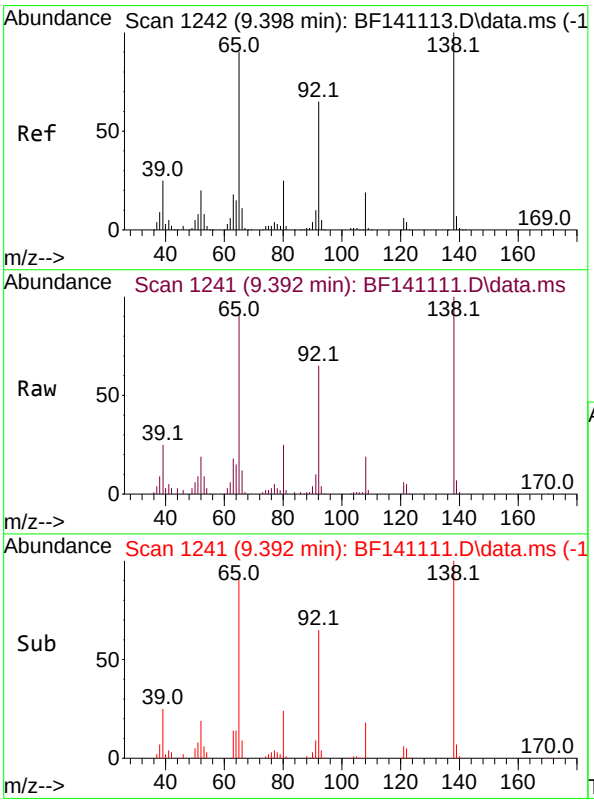
#47
2-Chloronaphthalene
Concen: 10.649 ng
RT: 9.298 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 208316

Ion	Ratio	Lower	Upper
162	100		
127	42.3	34.6	51.8
164	32.9	26.5	39.7

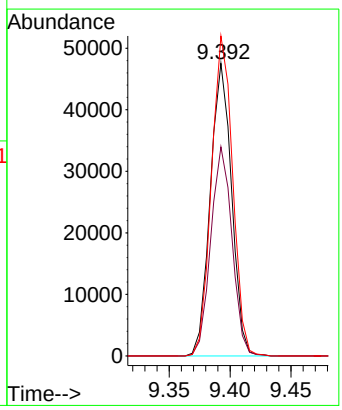


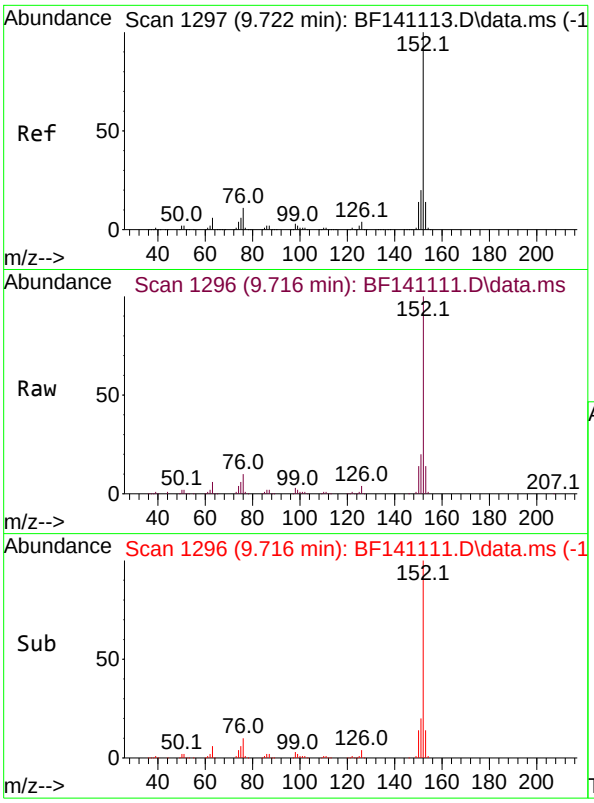


#48
2-Nitroaniline
Concen: 9.974 ng
RT: 9.392 min Scan# 1241
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion: 65 Resp: 57839

Ion	Ratio	Lower	Upper
65	100		
92	71.5	58.3	87.5
138	109.4	89.1	133.7



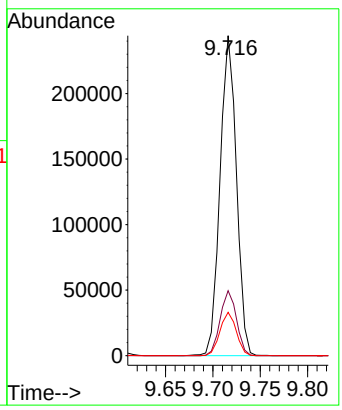


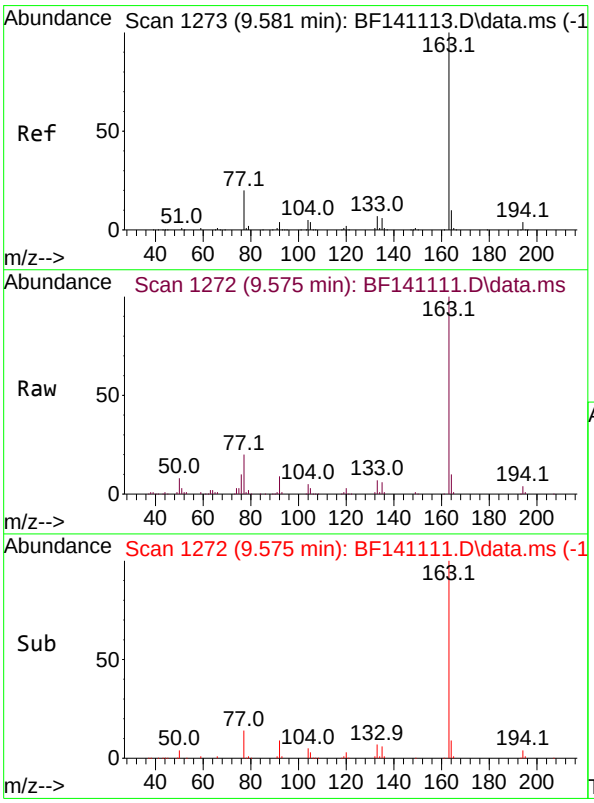
#49
Acenaphthylene
Concen: 10.532 ng
RT: 9.716 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 294365

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.1	24.1
153	13.5	11.1	16.7

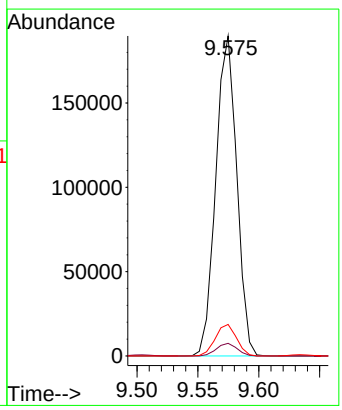


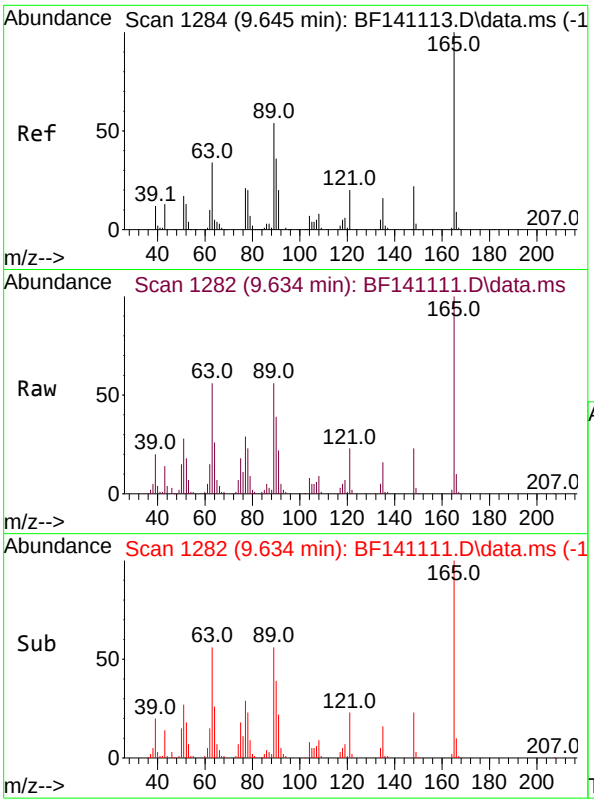


#50
Dimethylphthalate
Concen: 10.475 ng
RT: 9.575 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:163 Resp: 227434

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.0	4.6
164	9.9	8.2	12.4



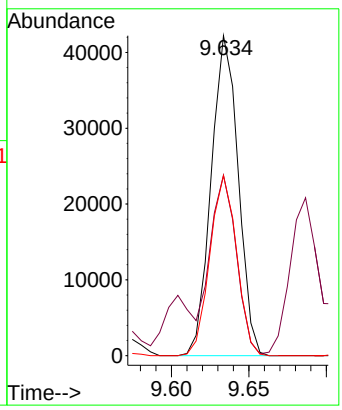


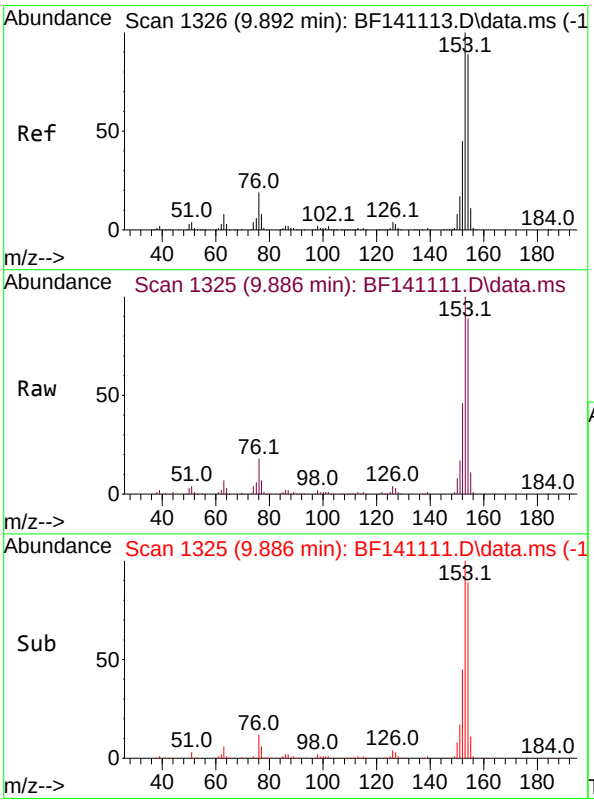
#51
2,6-Dinitrotoluene
Concen: 10.140 ng
RT: 9.634 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 51195

Ion	Ratio	Lower	Upper
165	100		
63	56.4	42.3	63.5
89	56.3	43.1	64.7

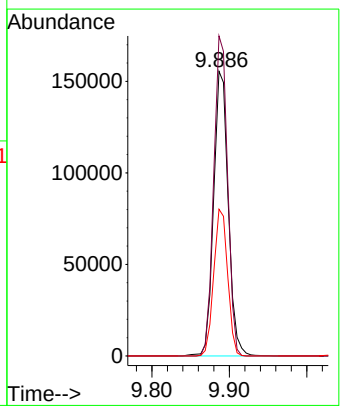


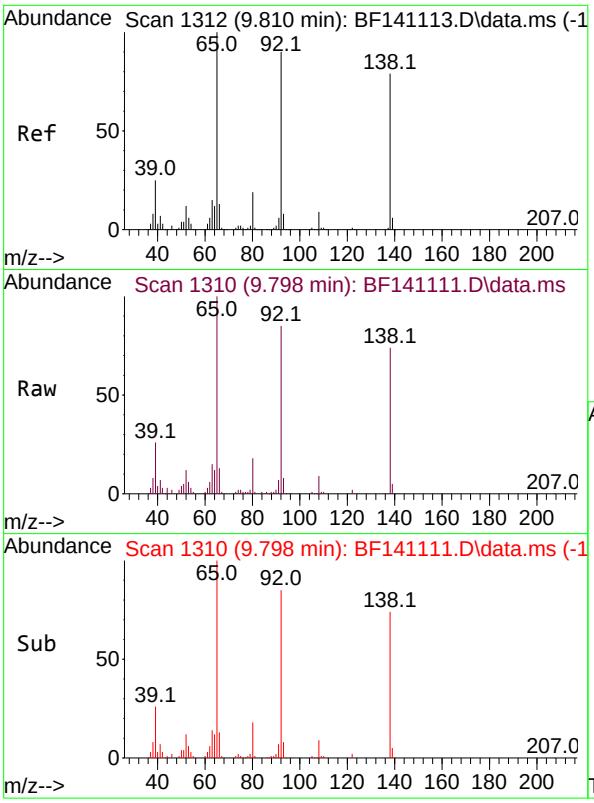


#52
Acenaphthene
Concen: 10.490 ng
RT: 9.886 min Scan# 1325
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:154 Resp: 204827

Ion	Ratio	Lower	Upper
154	100		
153	112.4	89.8	134.6
152	51.6	40.8	61.2



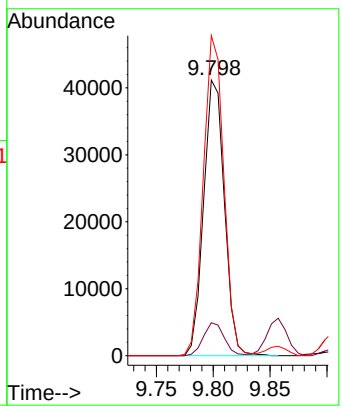


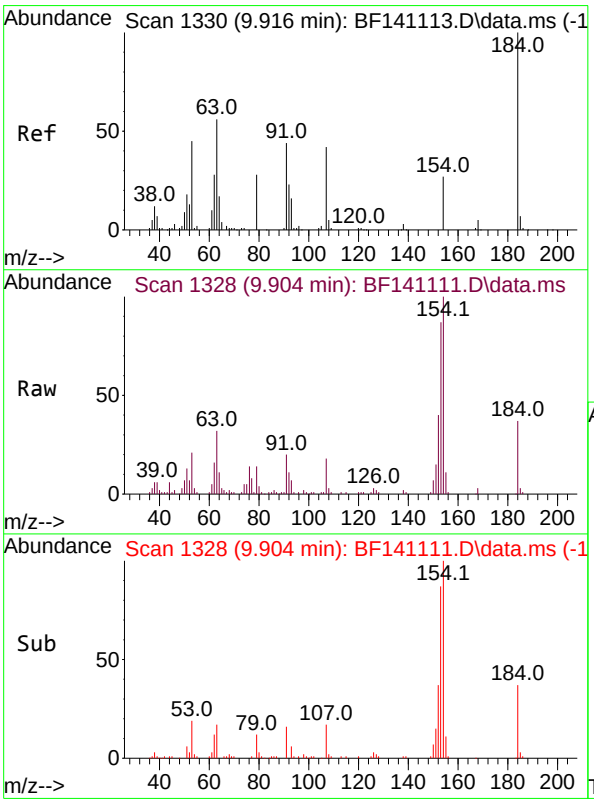
#53
3-Nitroaniline
Concen: 10.205 ng
RT: 9.798 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:138 Resp: 52358

Ion	Ratio	Lower	Upper
138	100		
108	12.0	8.8	13.2
92	116.1	91.3	136.9

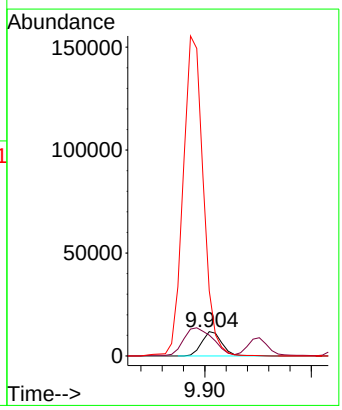


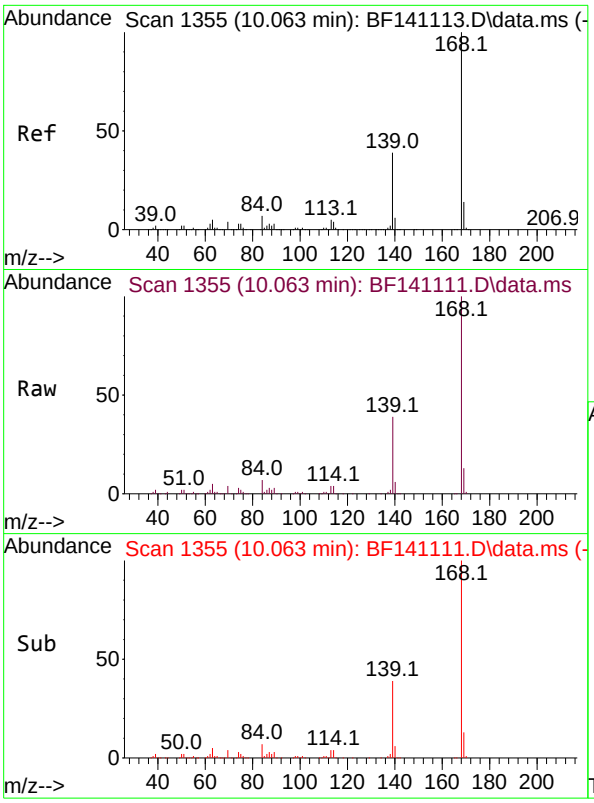


#54
2,4-Dinitrophenol
Concen: 6.517 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:184 Resp: 15639

Ion	Ratio	Lower	Upper
184	100		
63	85.8	48.7	73.1#
154	269.1	57.1	85.7#



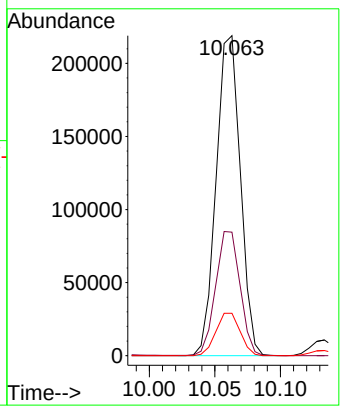


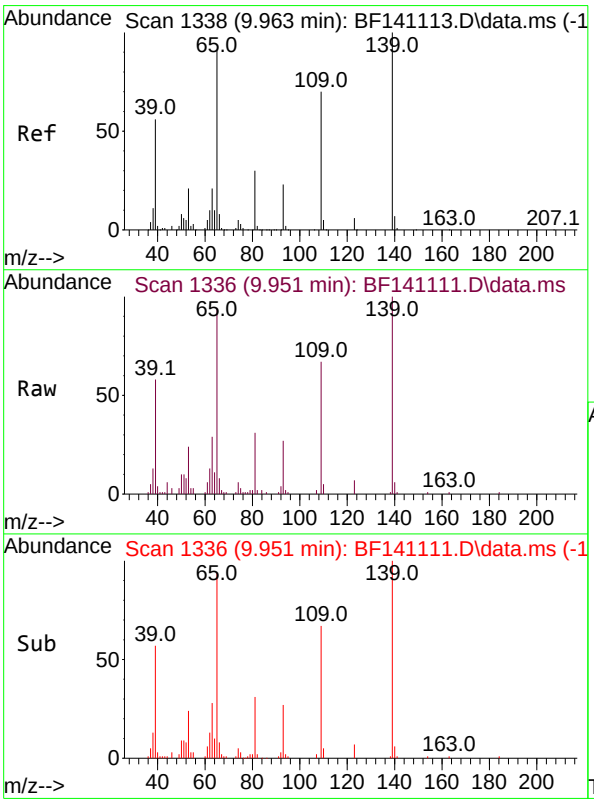
#55
Dibenzofuran
Concen: 10.569 ng
RT: 10.063 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:168 Resp: 280708

Ion	Ratio	Lower	Upper
168	100		
139	38.6	31.4	47.0
169	13.3	10.9	16.3

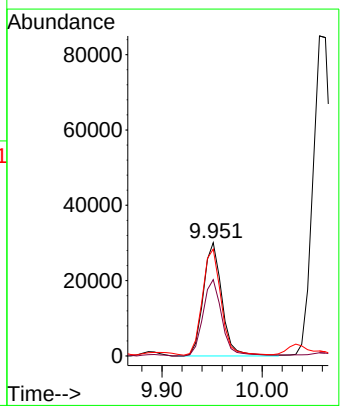


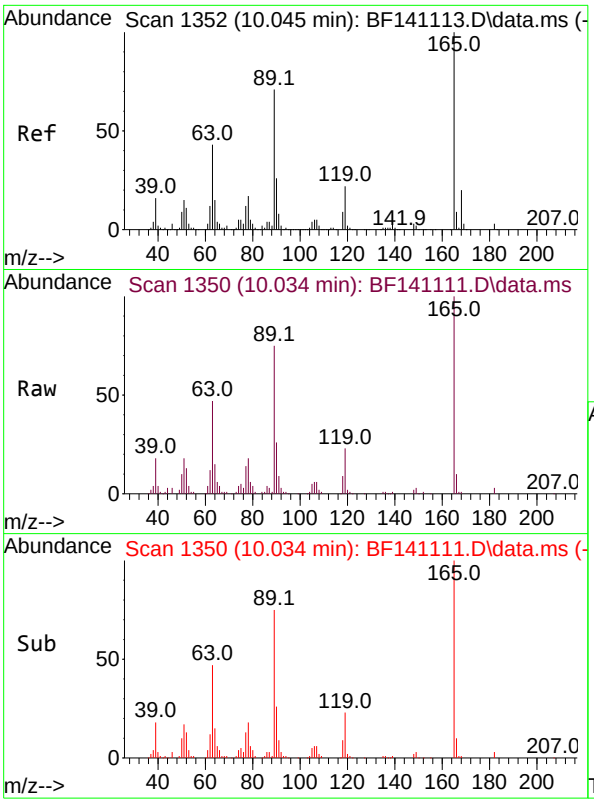


#56
4-Nitrophenol
Concen: 9.709 ng
RT: 9.951 min Scan# 1336
Delta R.T. -0.012 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:139 Resp: 39013

Ion	Ratio	Lower	Upper
139	100		
109	67.3	50.2	90.2
65	94.3	72.1	112.1



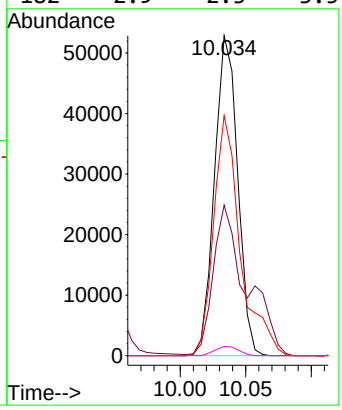


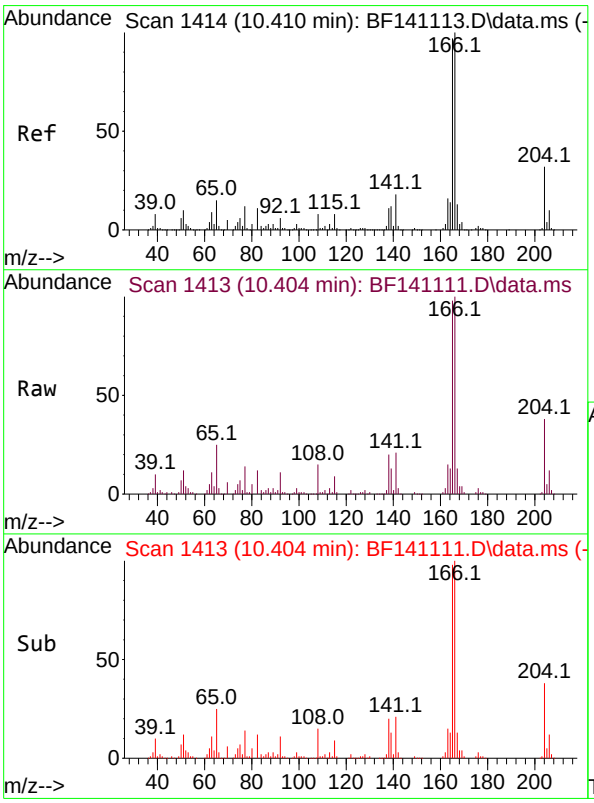
#57
2,4-Dinitrotoluene
Concen: 9.975 ng
RT: 10.034 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 64903

Ion	Ratio	Lower	Upper
165	100		
63	47.0	35.0	52.4
89	75.0	56.7	85.1
182	2.9	2.3	3.5

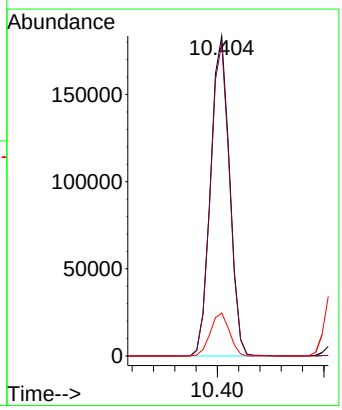


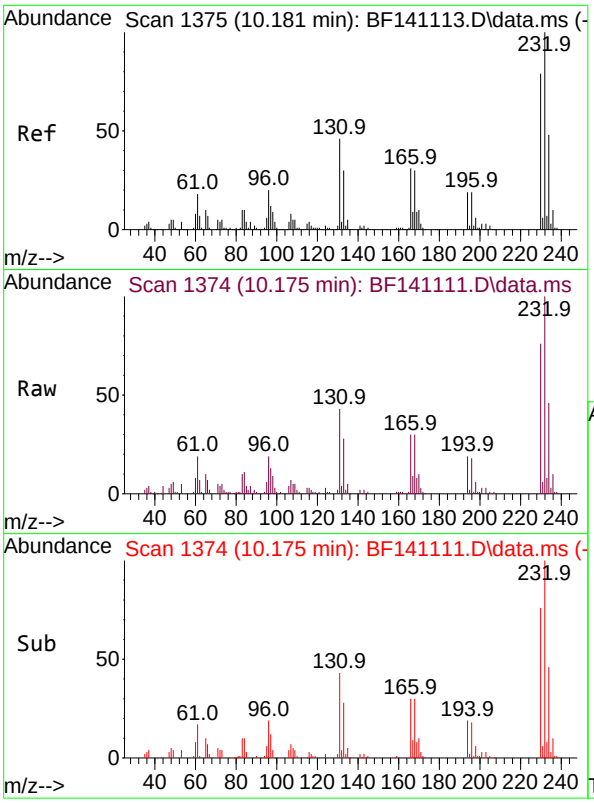


#58
Fluorene
Concen: 10.991 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:166 Resp: 226791

Ion	Ratio	Lower	Upper
166	100		
165	97.7	77.8	116.8
167	13.4	10.8	16.2



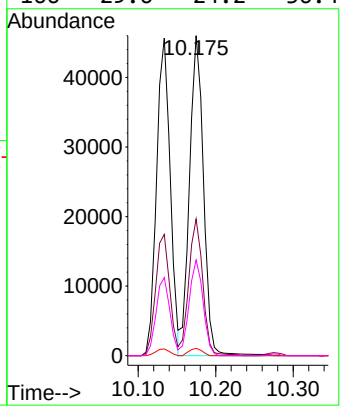


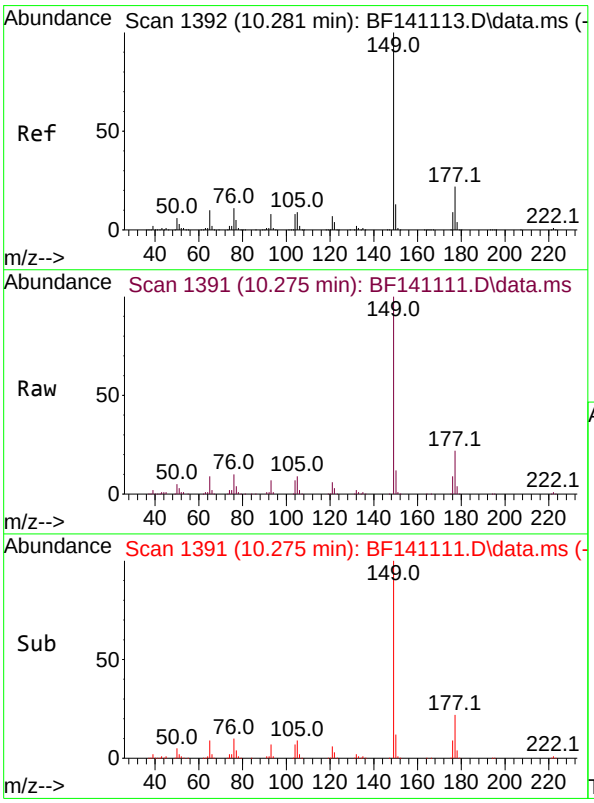
#59
2,3,4,6-Tetrachlorophenol
Concen: 10.519 ng
RT: 10.175 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:232 Resp: 57812

Ion	Ratio	Lower	Upper
232	100		
131	42.5	36.2	54.4
130	2.1	2.0	3.0
166	29.6	24.2	36.4

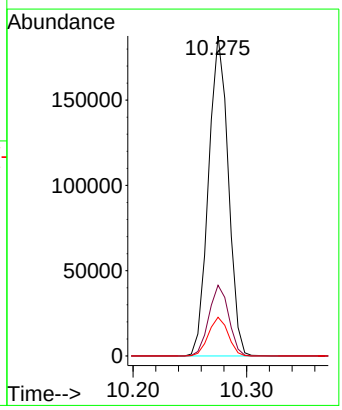


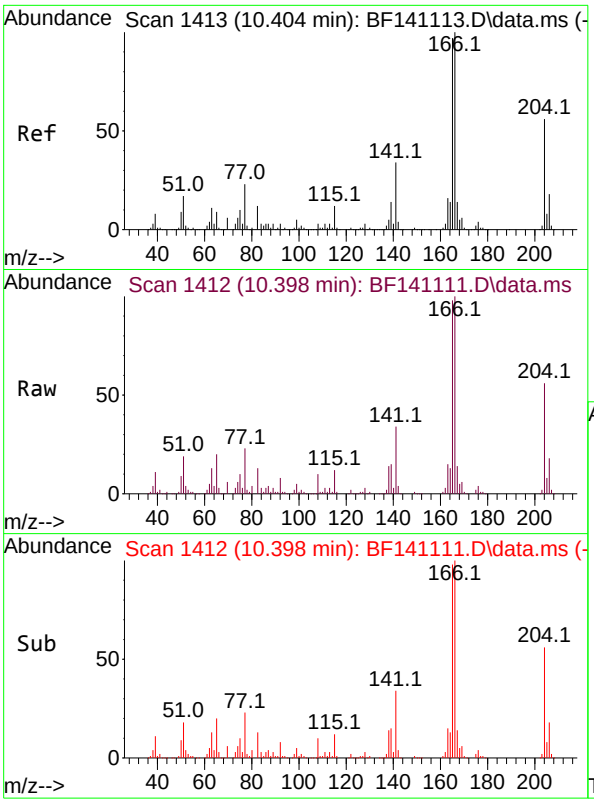


#60
Diethylphthalate
Concen: 10.657 ng
RT: 10.275 min Scan# 1391
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:149 Resp: 225896

Ion	Ratio	Lower	Upper
149	100		
177	22.1	17.9	26.9
150	12.1	10.2	15.2



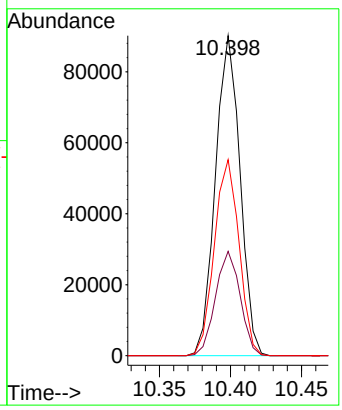


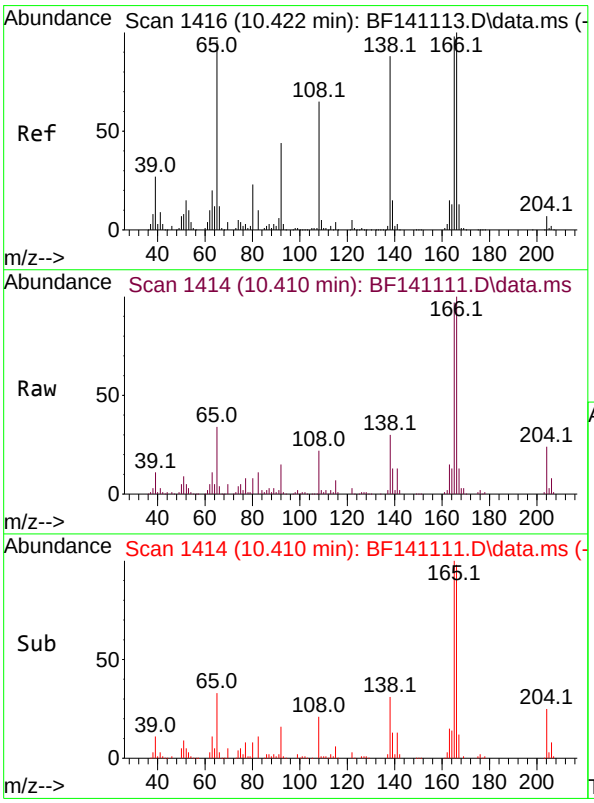
#61
4-Chlorophenyl-phenylether
Concen: 10.806 ng
RT: 10.398 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:204 Resp: 108674

Ion	Ratio	Lower	Upper
204	100		
206	32.6	25.9	38.9
141	61.2	49.1	73.7

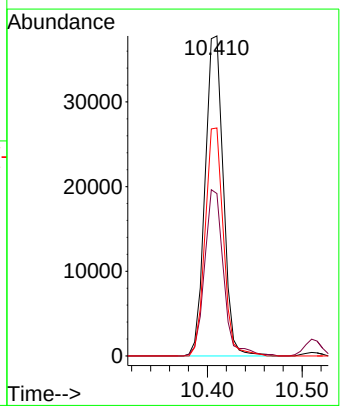


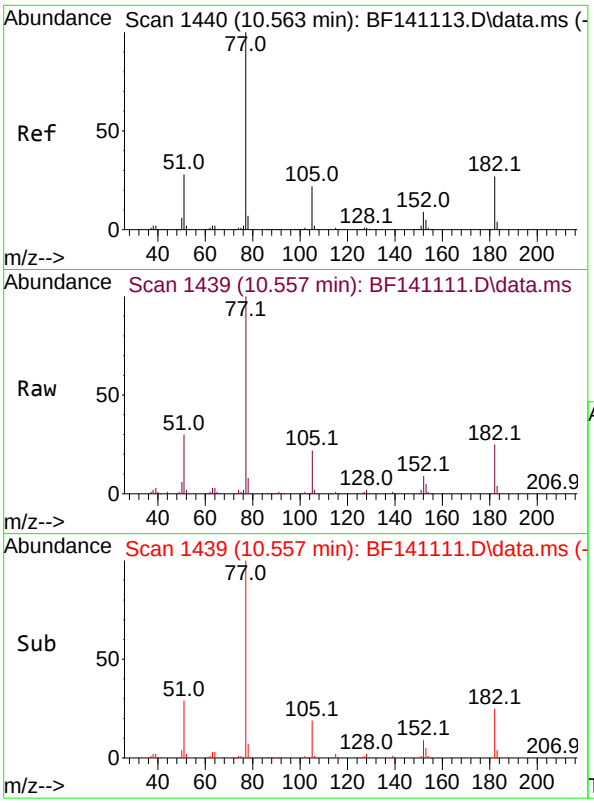


#62
4-Nitroaniline
Concen: 10.033 ng
RT: 10.410 min Scan# 1414
Delta R.T. -0.012 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:138 Resp: 50381

Ion	Ratio	Lower	Upper
138	100		
92	50.8	29.4	69.4
108	71.3	53.7	93.7



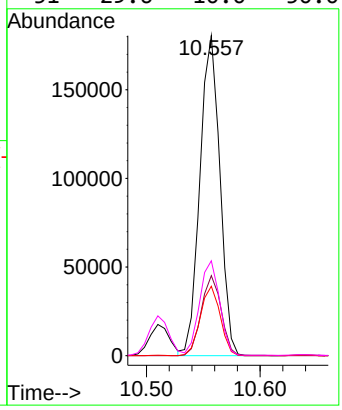


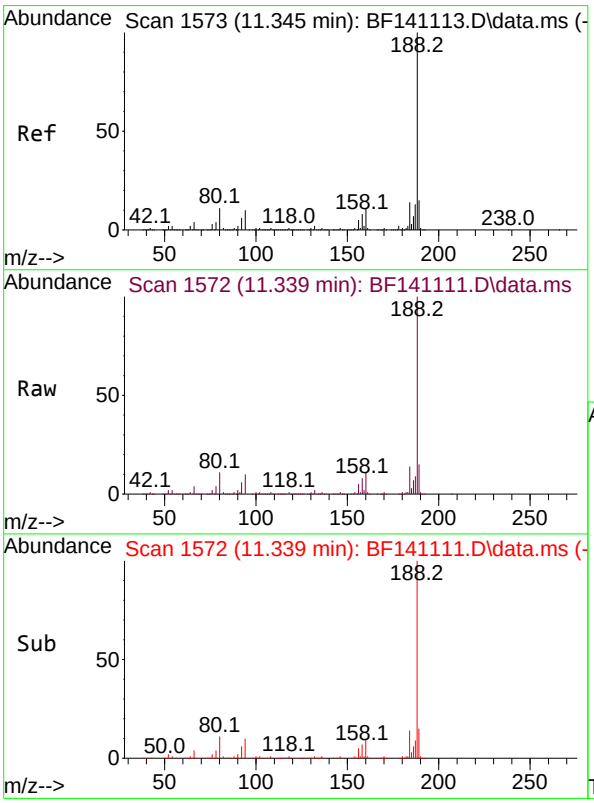
#63
Azobenzene
Concen: 10.536 ng
RT: 10.557 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 220351

Ion	Ratio	Lower	Upper
77	100		
182	25.0	6.1	46.1
105	21.7	2.1	42.1
51	29.6	10.0	50.0

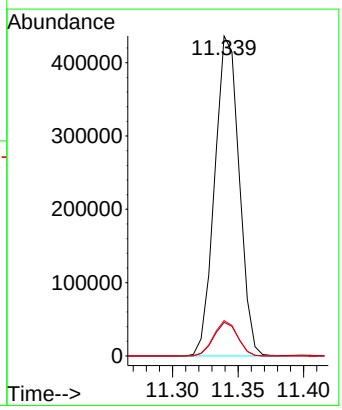


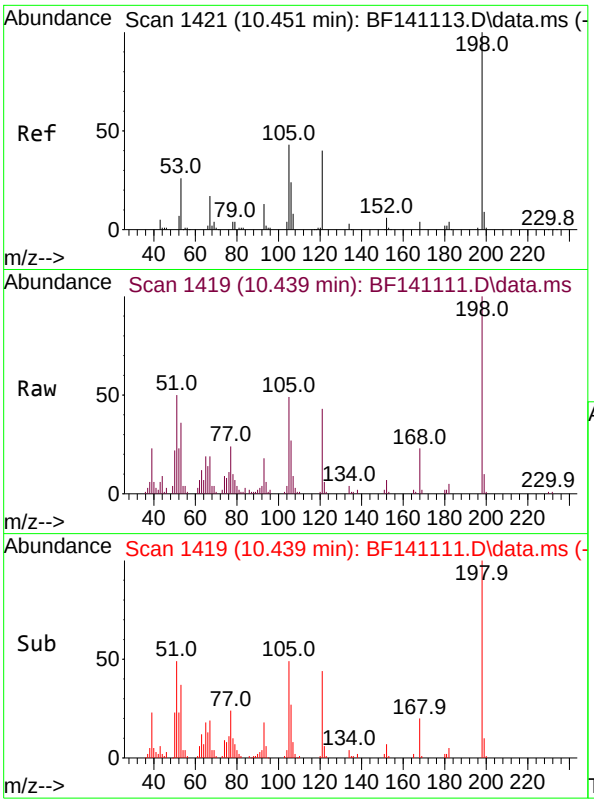


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.339 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:188 Resp: 565570

Ion	Ratio	Lower	Upper
188	100		
94	10.5	8.3	12.5
80	11.1	9.0	13.4



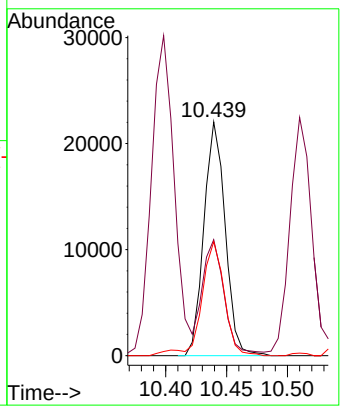


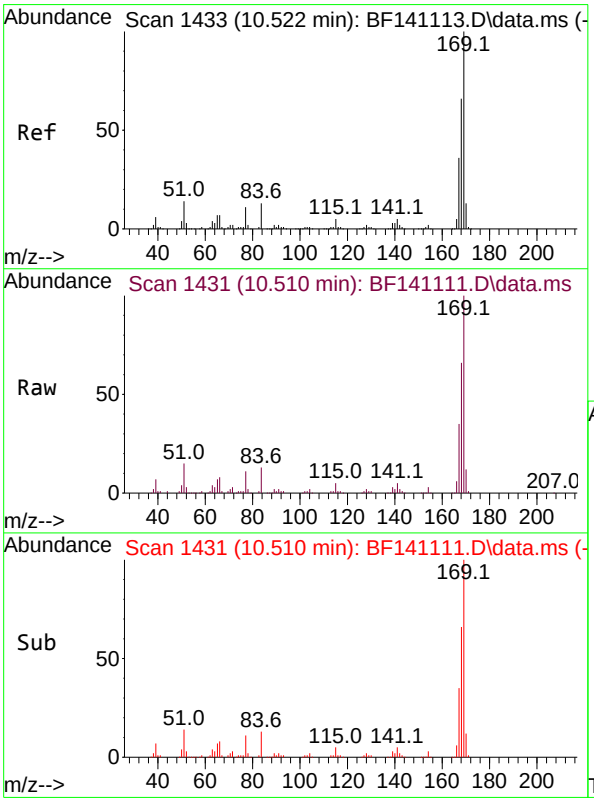
#65
4,6-Dinitro-2-methylphenol
Concen: 8.177 ng
RT: 10.439 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:198 Resp: 26799

Ion	Ratio	Lower	Upper
198	100		
51	49.6	27.1	67.1
105	48.7	24.2	64.2

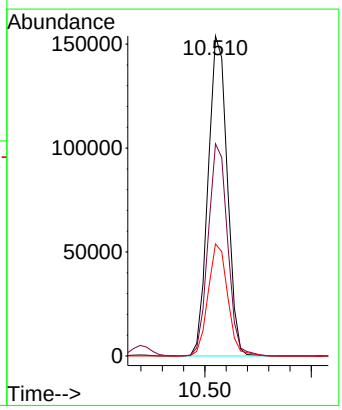


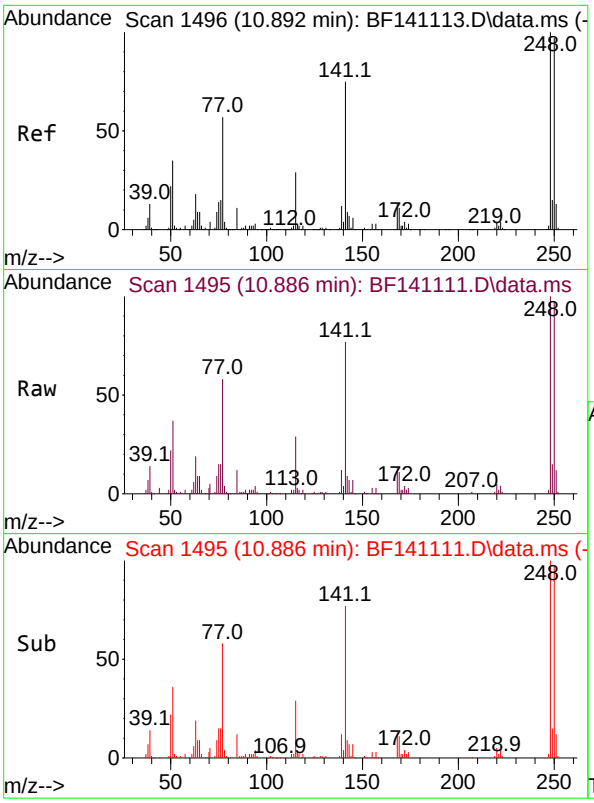


#66
n-Nitrosodiphenylamine
Concen: 10.494 ng
RT: 10.510 min Scan# 1431
Delta R.T. -0.012 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:169 Resp: 191433

Ion	Ratio	Lower	Upper
169	100		
168	66.3	52.5	78.7
167	35.0	28.9	43.3



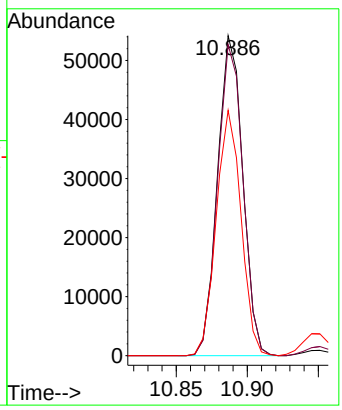


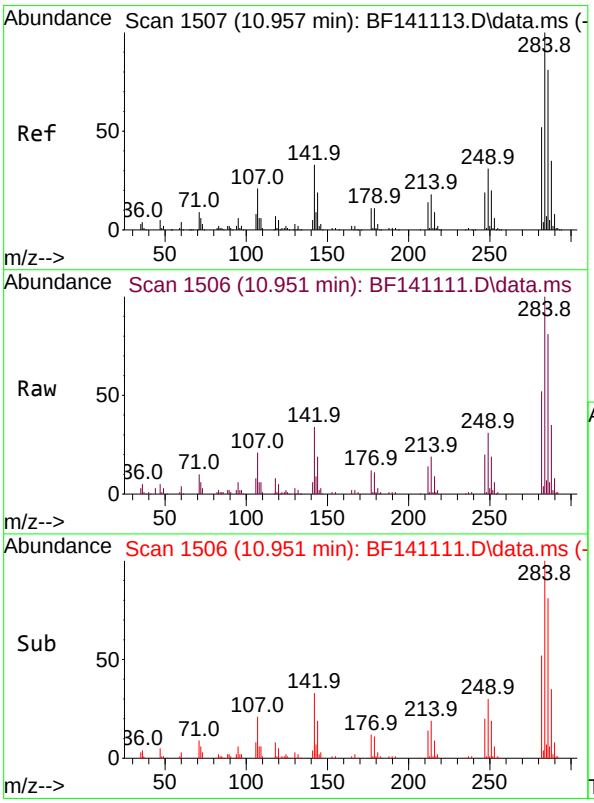
#67
4-Bromophenyl-phenylether
Concen: 10.293 ng
RT: 10.886 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:248 Resp: 67025

Ion	Ratio	Lower	Upper
248	100		
250	97.2	77.9	116.9
141	76.6	59.9	89.9

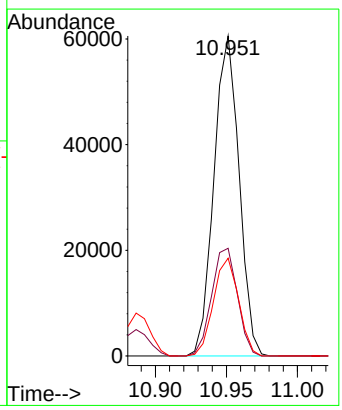


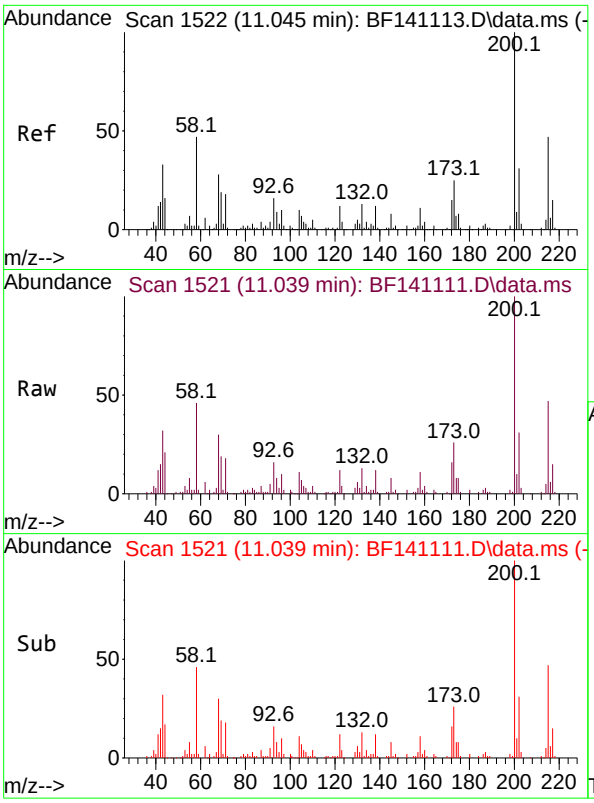


#68
Hexachlorobenzene
Concen: 10.271 ng
RT: 10.951 min Scan# 1506
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:284 Resp: 74450

Ion	Ratio	Lower	Upper
284	100		
142	33.7	26.3	39.5
249	30.6	24.9	37.3



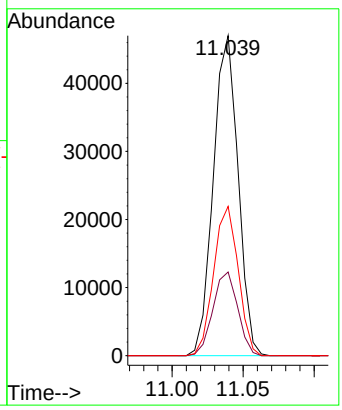


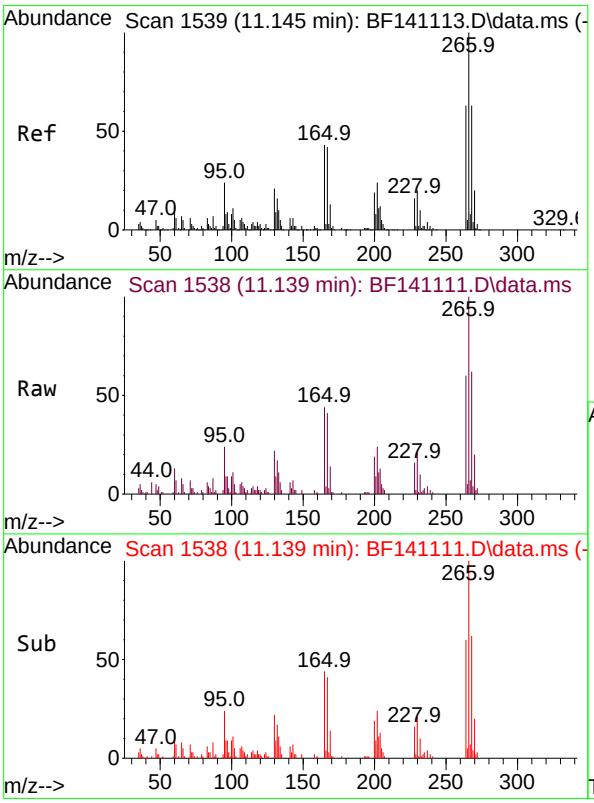
#69
Atrazine
Concen: 11.597 ng
RT: 11.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:200 Resp: 56963

Ion	Ratio	Lower	Upper
200	100		
173	26.2	5.4	45.4
215	46.7	26.6	66.6

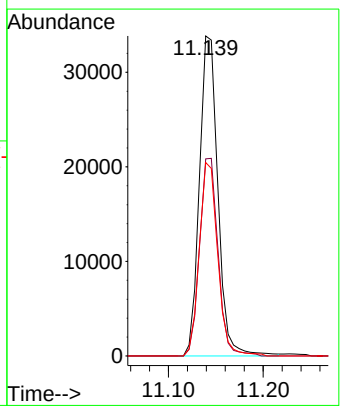


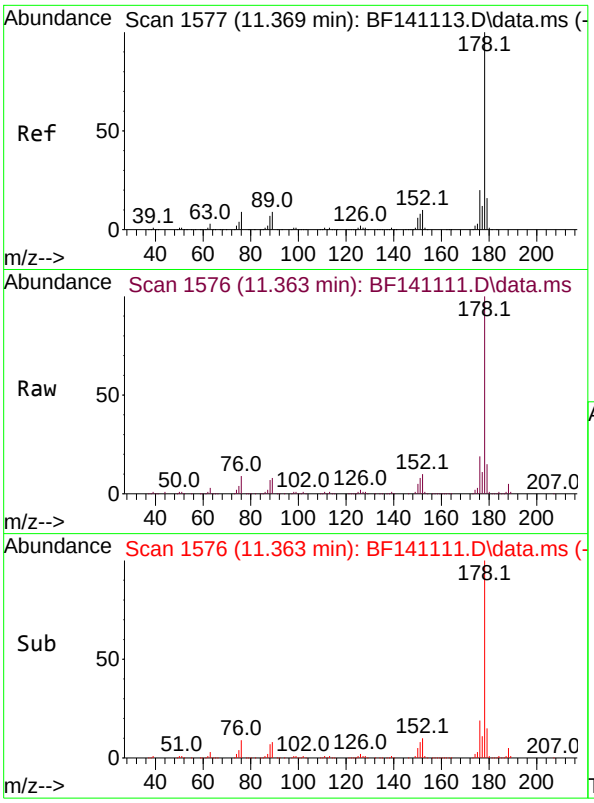


#70
Pentachlorophenol
Concen: 9.877 ng
RT: 11.139 min Scan# 1538
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:266 Resp: 45847

Ion	Ratio	Lower	Upper
266	100		
268	61.6	50.4	75.6
264	60.4	50.2	75.2



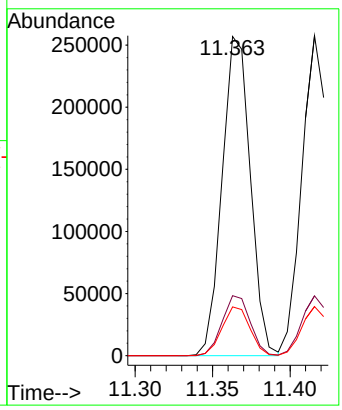


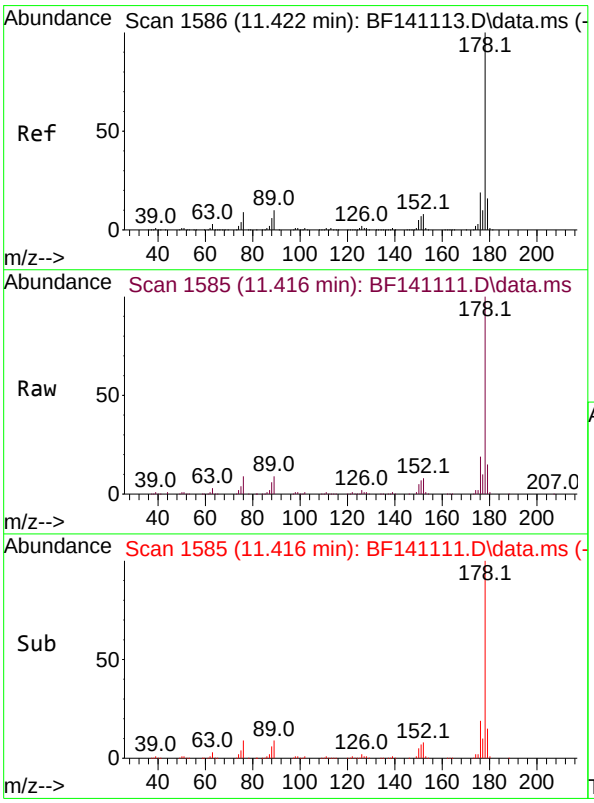
#71
Phenanthrene
Concen: 10.728 ng
RT: 11.363 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:178 Resp: 325737

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.7	23.5
179	15.3	12.6	19.0

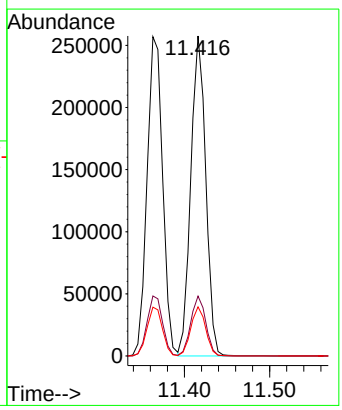


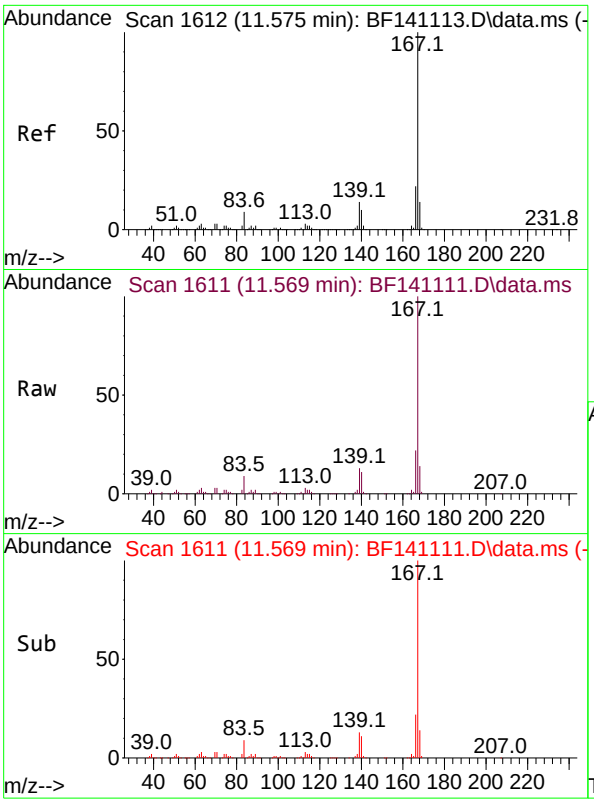


#72
Anthracene
Concen: 10.638 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:178 Resp: 314077

Ion	Ratio	Lower	Upper
178	100		
176	18.7	14.9	22.3
179	15.3	12.6	19.0



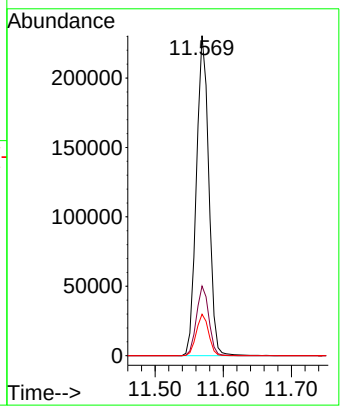


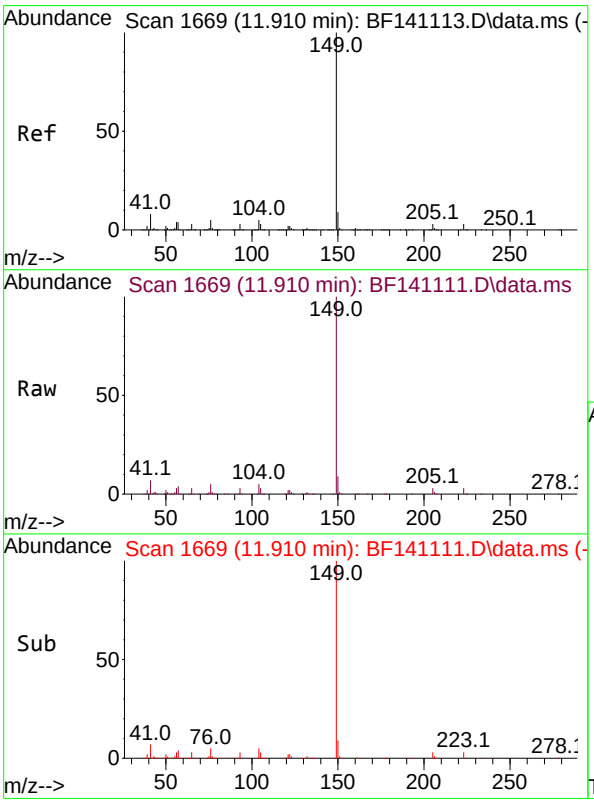
#73
Carbazole
Concen: 10.710 ng
RT: 11.569 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:167 Resp: 289945

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.4	26.2
139	12.9	10.9	16.3

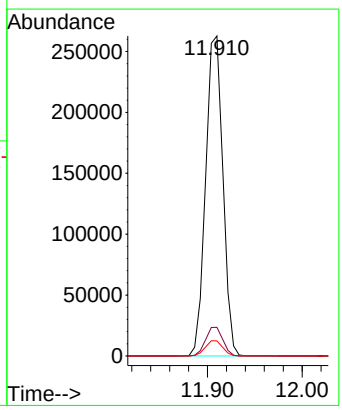


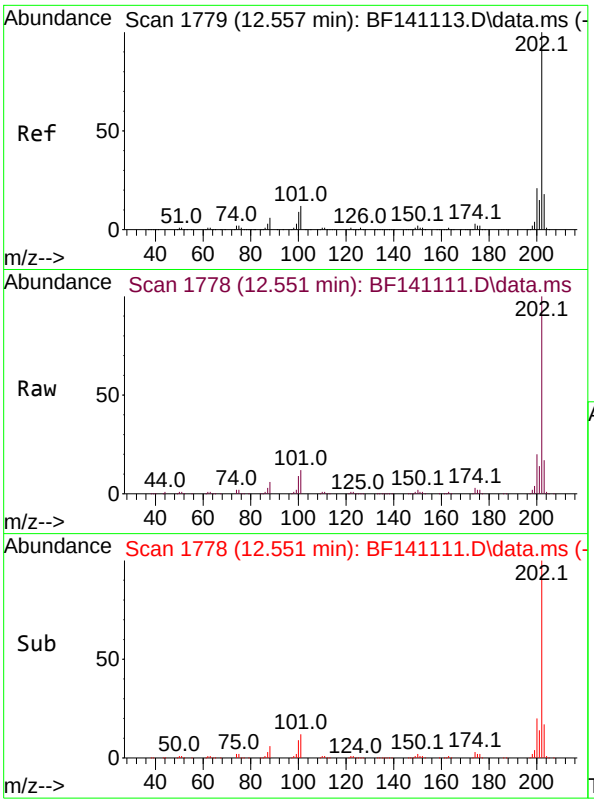


#74
Di-n-butylphthalate
Concen: 10.740 ng
RT: 11.910 min Scan# 1669
Delta R.T. 0.000 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:149 Resp: 332734

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.4	11.2
104	4.7	4.2	6.2



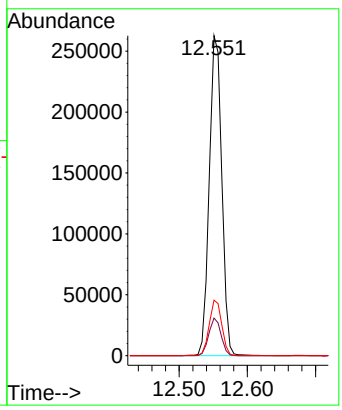


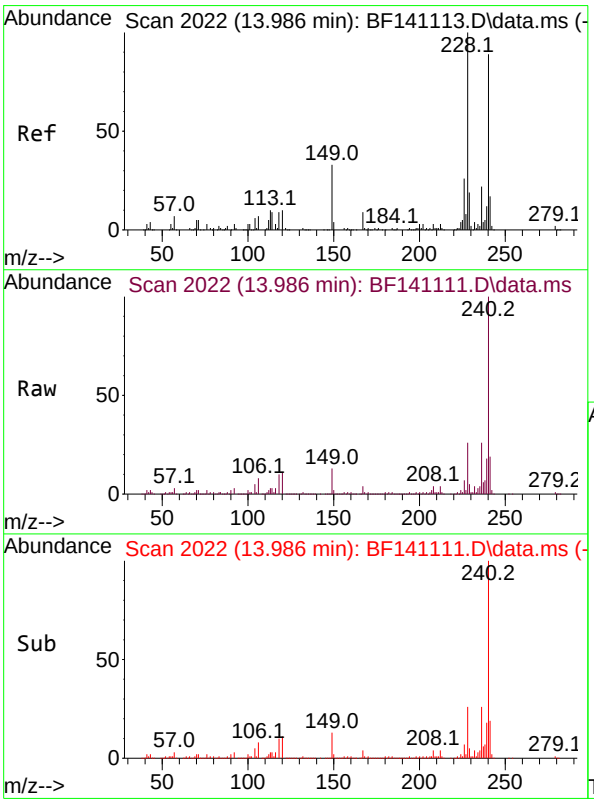
#75
Fluoranthene
Concen: 11.083 ng
RT: 12.551 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:202 Resp: 335808

Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	32.3
203	17.3	0.0	37.7

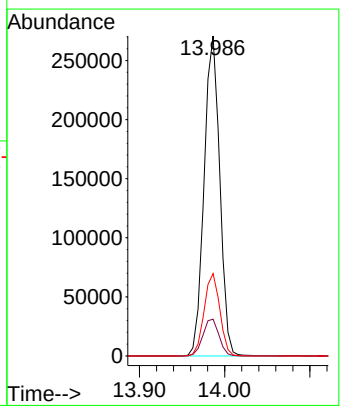


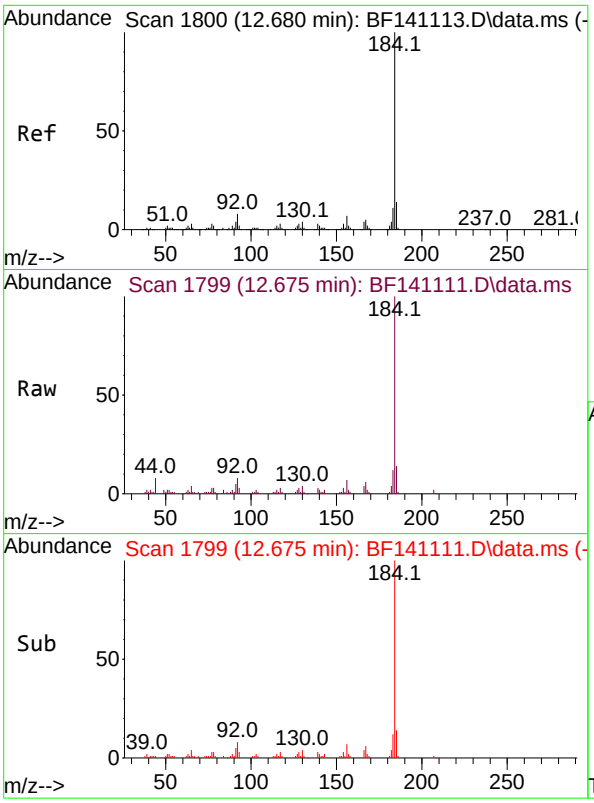


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:240 Resp: 345946

Ion	Ratio	Lower	Upper
240	100		
120	11.5	9.1	13.7
236	25.7	19.8	29.6



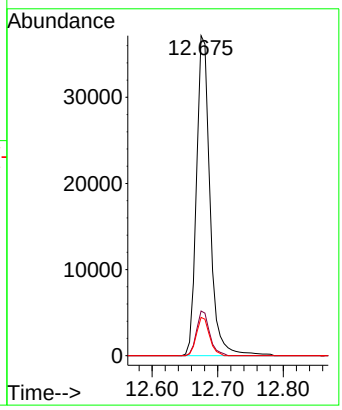


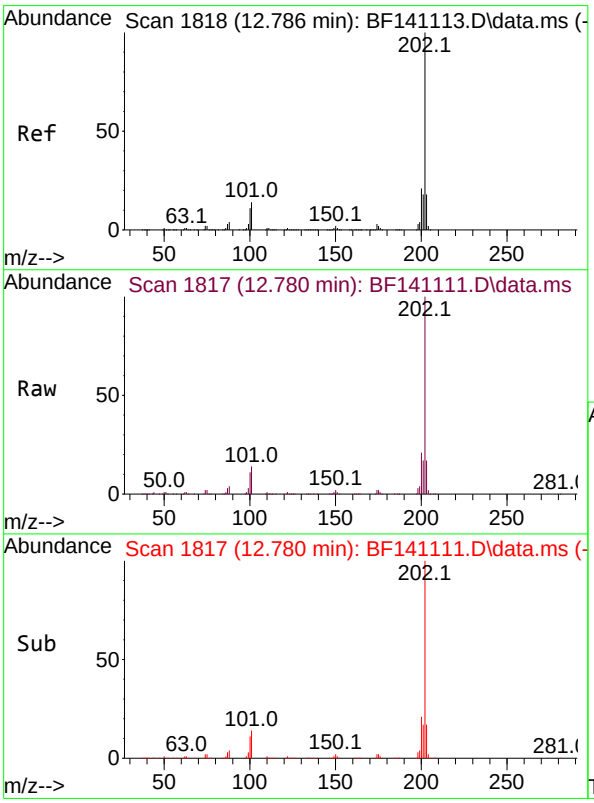
#77
Benzidine
Concen: 8.343 ng
RT: 12.675 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:184 Resp: 53526

Ion	Ratio	Lower	Upper
184	100		
185	14.0	11.4	17.0
183	11.9	9.2	13.8

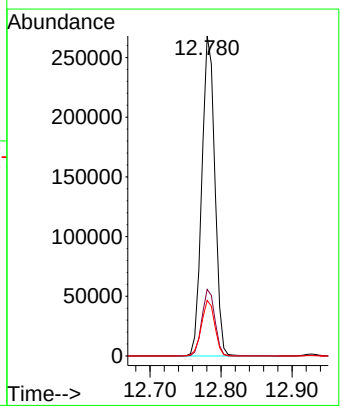


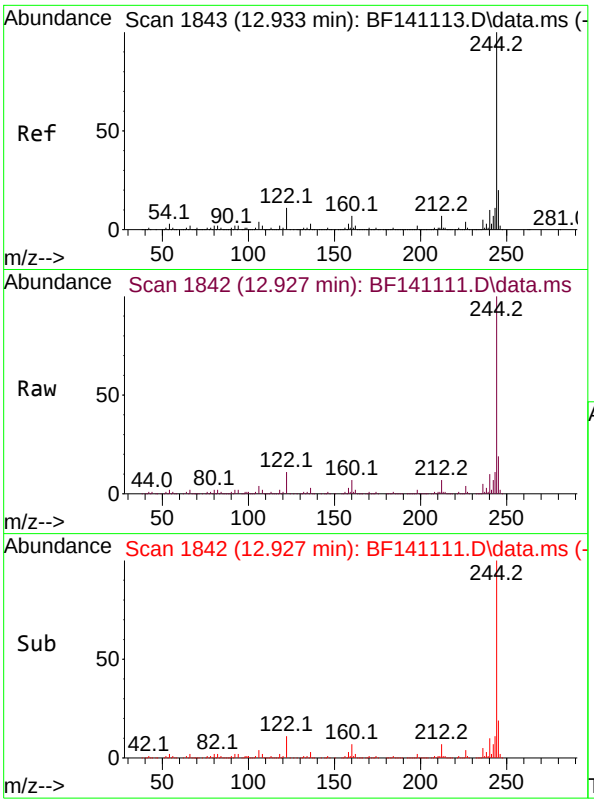


#78
Pyrene
Concen: 10.348 ng
RT: 12.780 min Scan# 1817
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:202 Resp: 341925

Ion	Ratio	Lower	Upper
202	100		
200	20.8	16.8	25.2
203	17.4	14.3	21.5



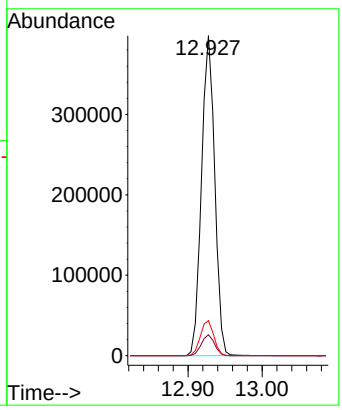


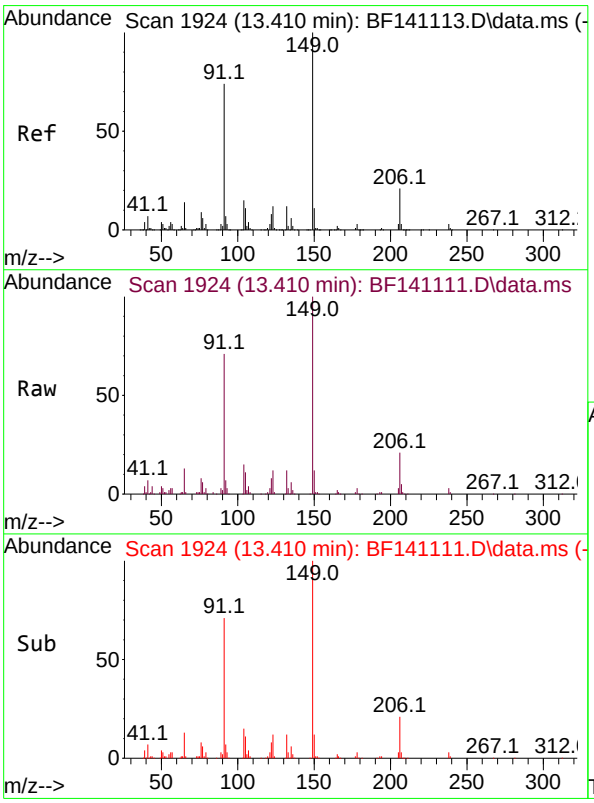
#79
Terphenyl-d14
Concen: 21.161 ng
RT: 12.927 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:244 Resp: 492528

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.2
122	10.9	8.8	13.2

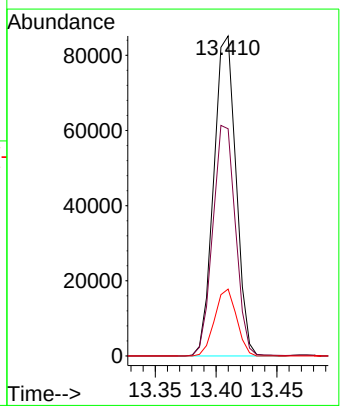


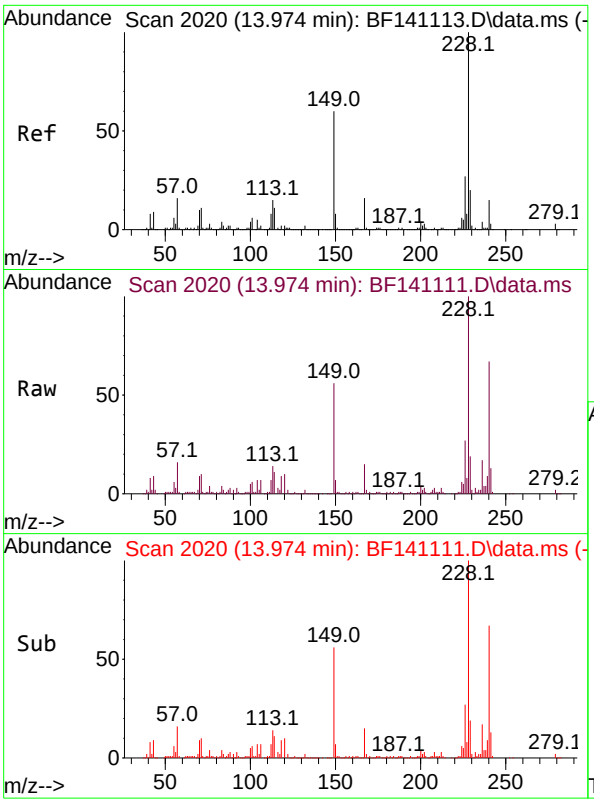


#80
Butylbenzylphthalate
Concen: 9.868 ng
RT: 13.410 min Scan# 1924
Delta R.T. 0.000 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:149 Resp: 108714

Ion	Ratio	Lower	Upper
149	100		
91	71.0	59.0	88.6
206	20.9	16.5	24.7



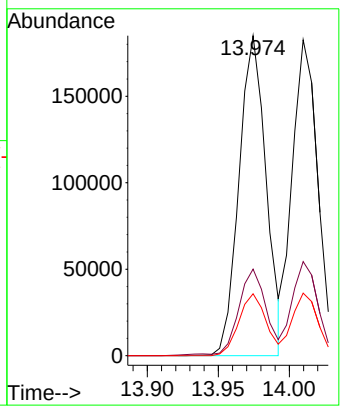


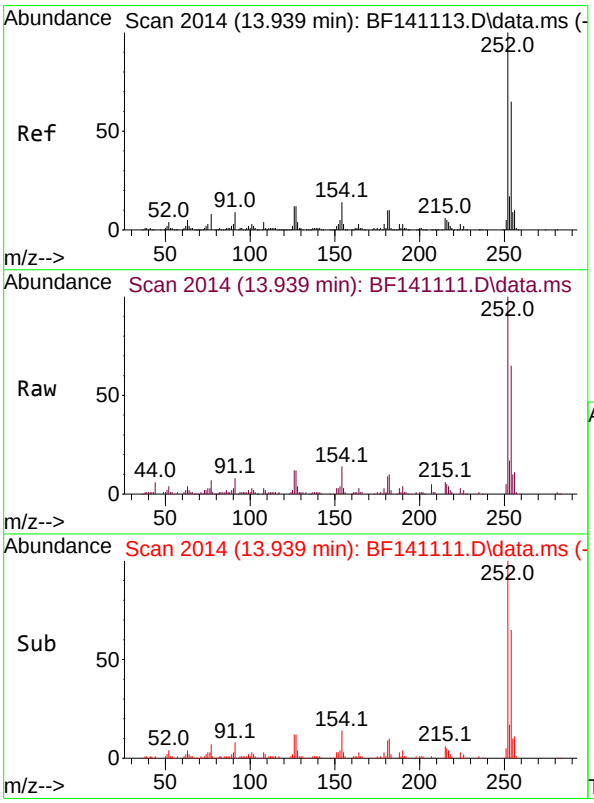
#81
Benzo(a)anthracene
Concen: 10.430 ng
RT: 13.974 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 245554

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.7	32.5
229	19.4	15.7	23.5

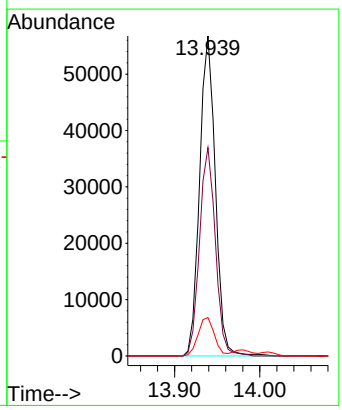


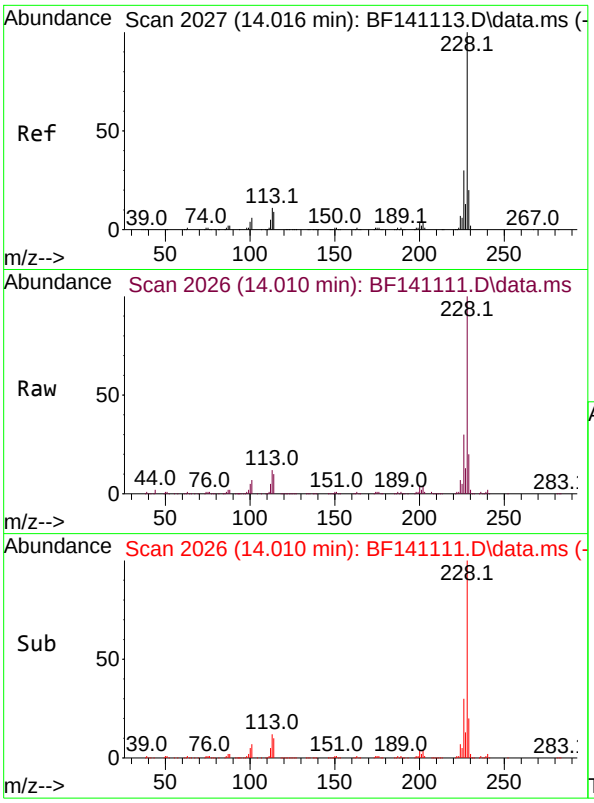


#82
3,3'-Dichlorobenzidine
Concen: 9.733 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:252 Resp: 72963

Ion	Ratio	Lower	Upper
252	100		
254	65.1	52.0	78.0
126	12.0	9.4	14.0



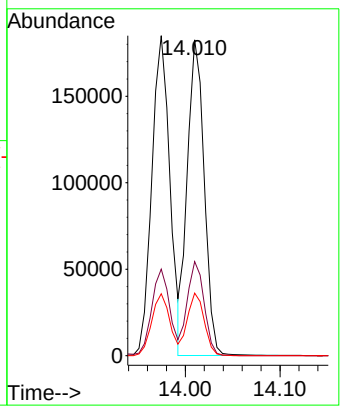


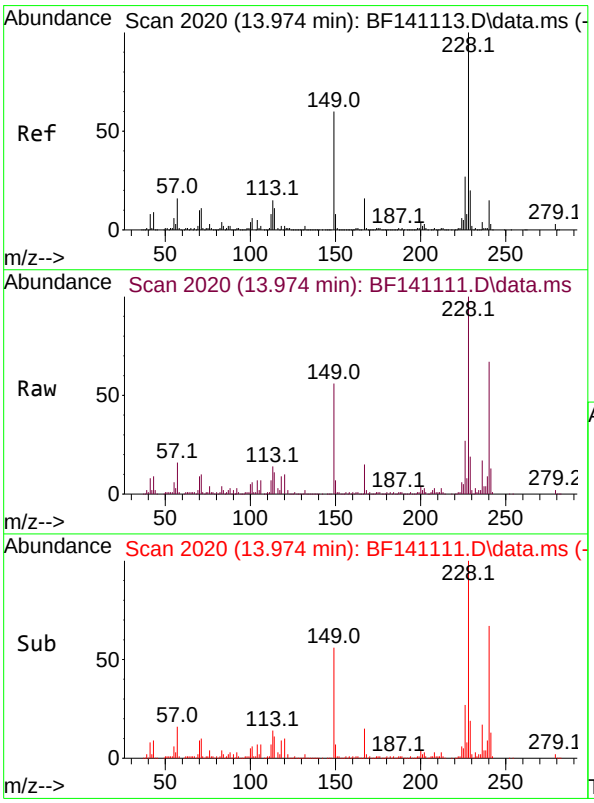
#83
Chrysene
Concen: 10.331 ng
RT: 14.010 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 227579

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.8	35.8
229	19.8	15.8	23.8

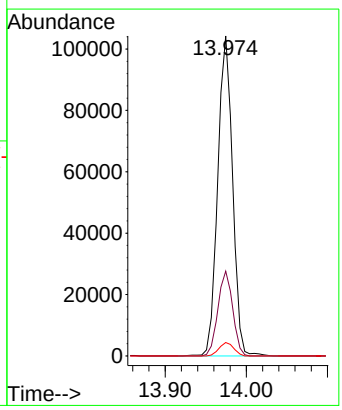


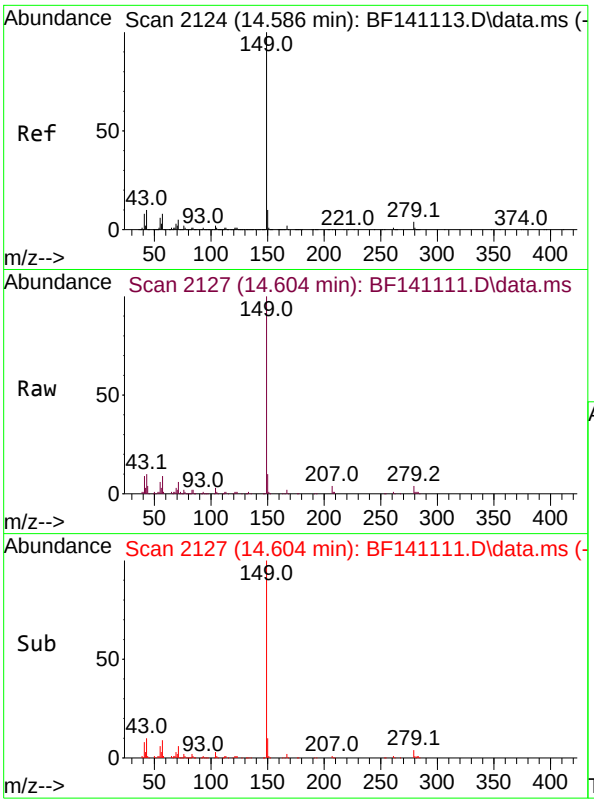


#84
Bis(2-ethylhexyl)phthalate
Concen: 10.047 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:149 Resp: 132798

Ion	Ratio	Lower	Upper
149	100		
167	26.5	21.4	32.2
279	4.2	3.4	5.2



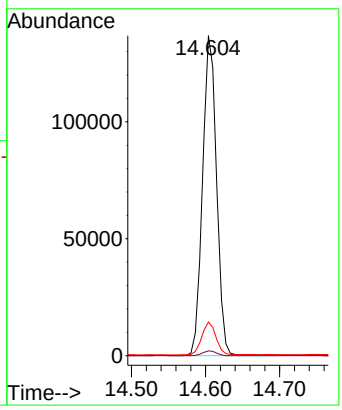


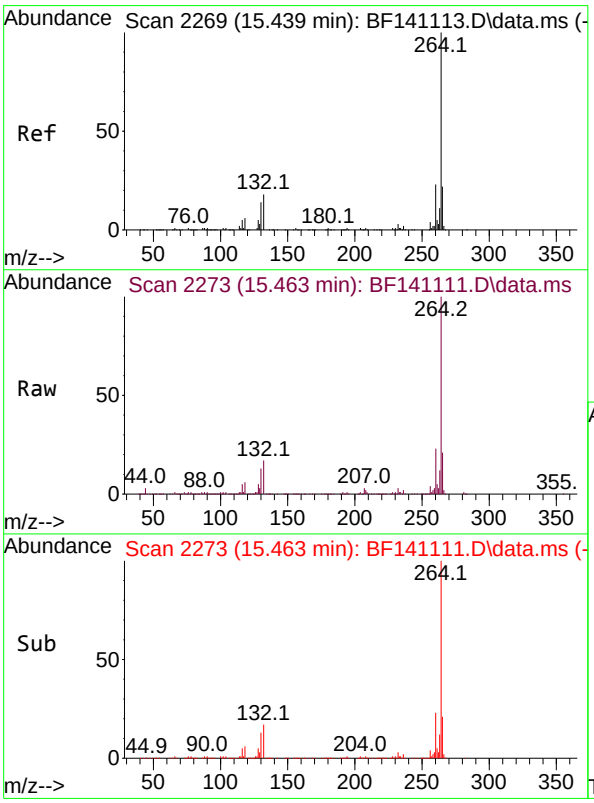
#85
Di-n-octyl phthalate
Concen: 9.007 ng
RT: 14.604 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:149 Resp: 179782

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.3	1.9
43	10.5	8.4	12.6

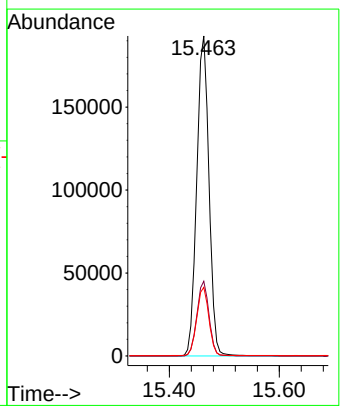


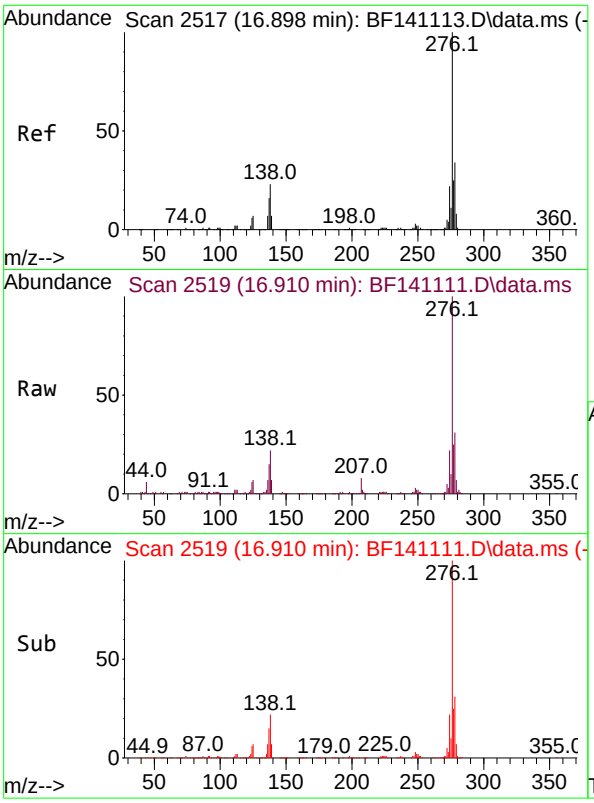


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.463 min Scan# 2273
Delta R.T. 0.024 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:264 Resp: 298779

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	21.4	17.4	26.0



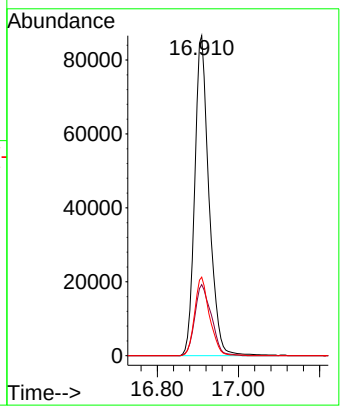


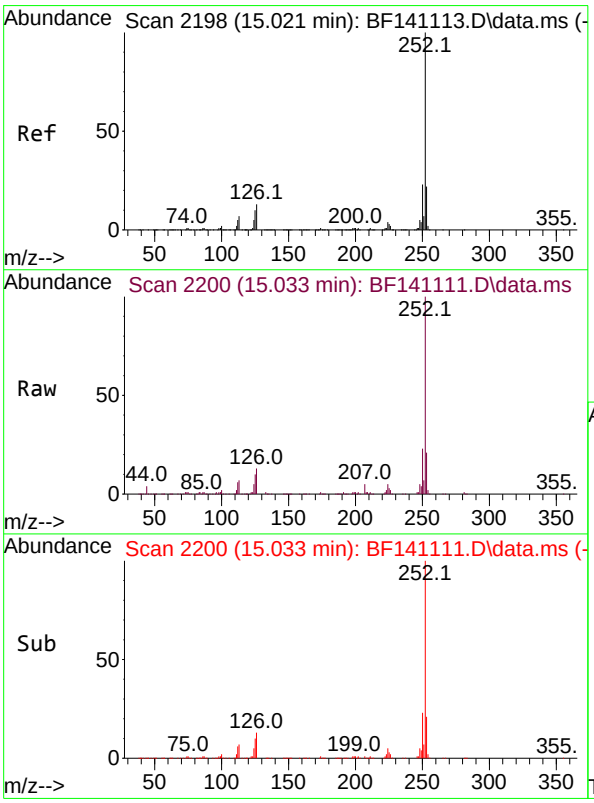
#87
Indeno(1,2,3-cd)pyrene
Concen: 9.689 ng
RT: 16.910 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:276 Resp: 212077

Ion	Ratio	Lower	Upper
276	100		
138	25.7	20.7	31.1
277	25.6	20.6	30.8

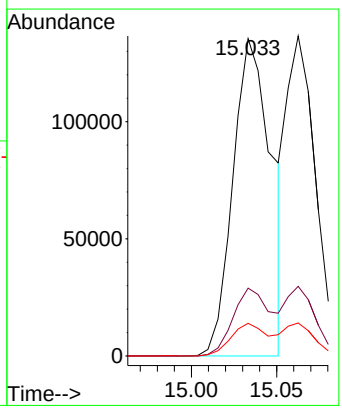


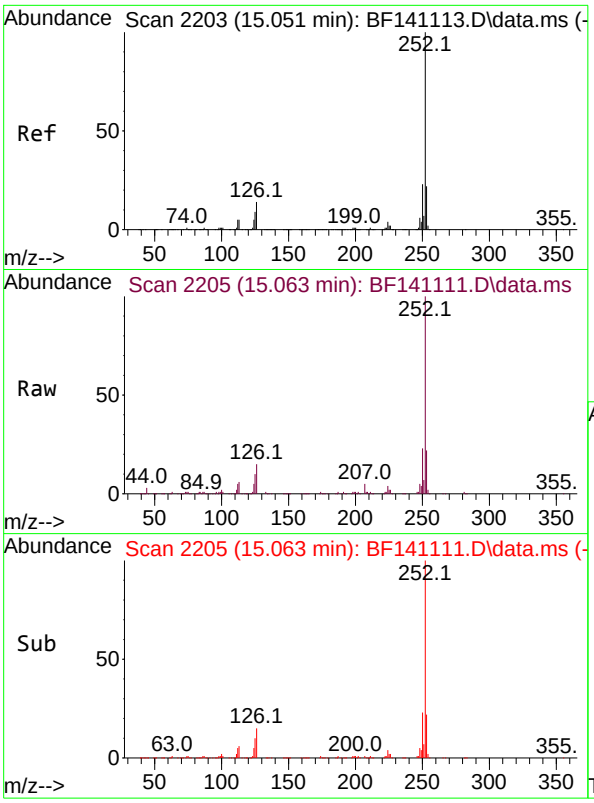


#88
Benzo(b)fluoranthene
Concen: 10.973 ng
RT: 15.033 min Scan# 2200
Delta R.T. 0.012 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:252 Resp: 211401

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.8	26.6
125	10.3	8.1	12.1



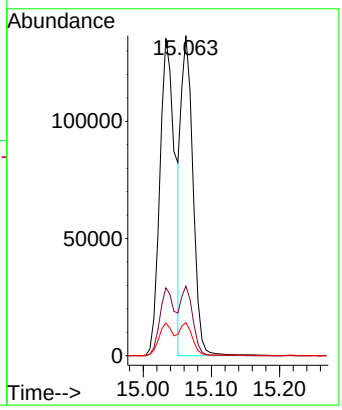


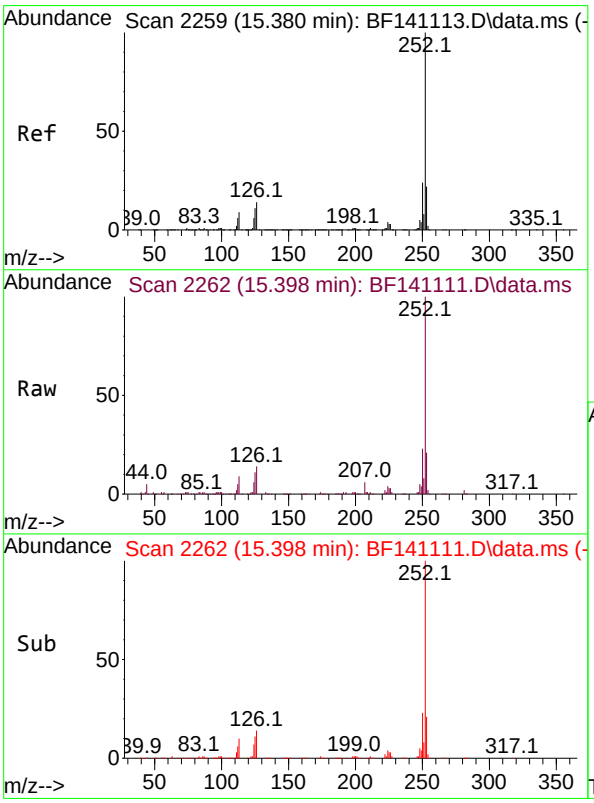
#89
Benzo(k)fluoranthene
Concen: 10.115 ng
RT: 15.063 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:252 Resp: 164685

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.8
125	10.3	7.9	11.9

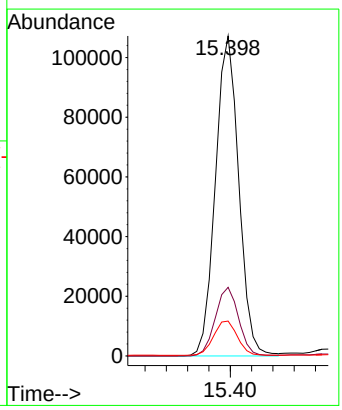


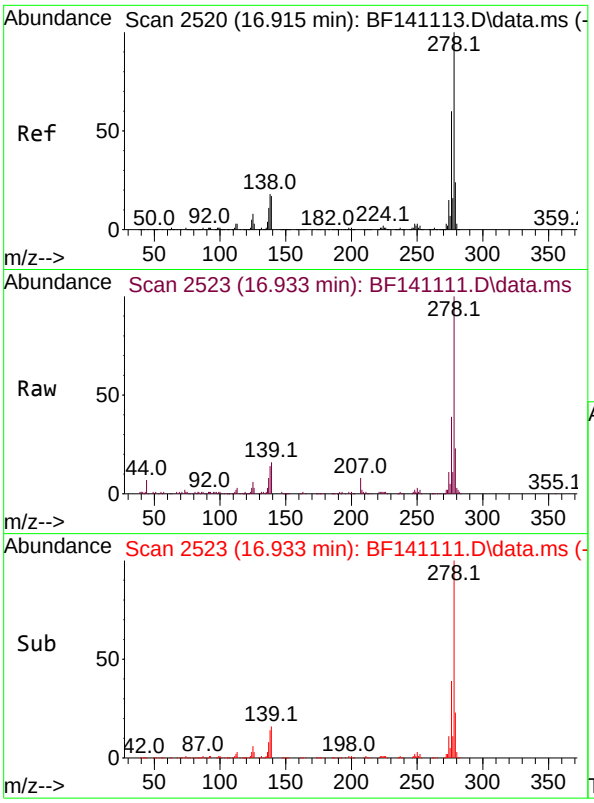


#90
Benzo(a)pyrene
Concen: 10.245 ng
RT: 15.398 min Scan# 2262
Delta R.T. 0.018 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:252 Resp: 162844

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.7	26.5
125	10.9	9.1	13.7



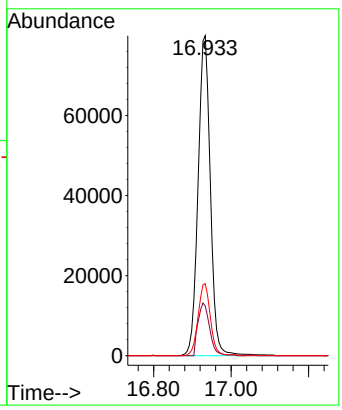


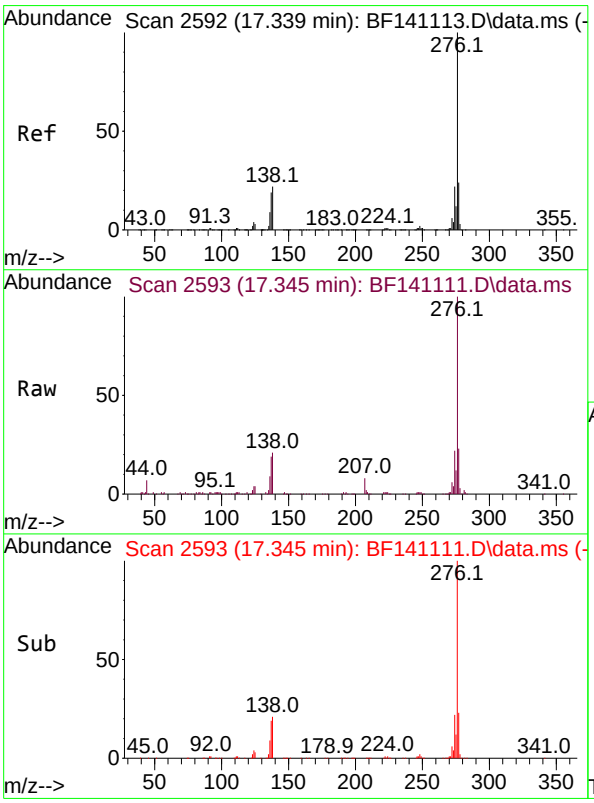
#91
Dibenzo(a,h)anthracene
Concen: 9.941 ng
RT: 16.933 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:278 Resp: 176005

Ion	Ratio	Lower	Upper
278	100		
139	15.6	13.8	20.6
279	22.5	19.1	28.7

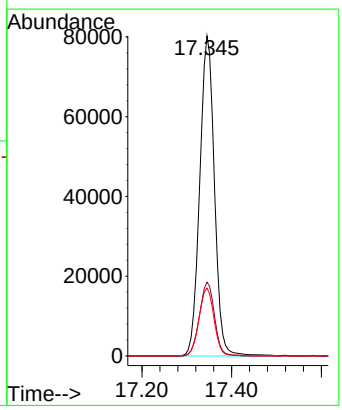




#92
Benzo(g,h,i)perylene
Concen: 9.905 ng
RT: 17.345 min Scan# 2593
Delta R.T. 0.006 min
Lab File: BF141111.D
Acq: 10 Jan 2025 13:17

Tgt Ion:276 Resp: 182406

Ion	Ratio	Lower	Upper
276	100		
277	23.0	19.0	28.4
138	21.2	17.4	26.2



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141112.D
Acq On : 10 Jan 2025 14:10
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Jan 10 22:19:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:16:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	165025	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	641610	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	342827	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	590333	20.000	ng	0.00
76) Chrysene-d12	13.986	240	312856	20.000	ng	0.00
86) Perylene-d12	15.451	264	318548	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.422	112	454711	42.566	ng	0.00
7) Phenol-d6	6.440	99	572898	42.337	ng	0.00
23) Nitrobenzene-d5	7.381	82	505718	41.781	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	161318	41.297	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	965569	43.009	ng	0.00
79) Terphenyl-d14	12.933	244	927987	44.086	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.534	88	98707	20.749	ng	99
3) Pyridine	3.275	79	245303	21.028	ng	99
4) n-Nitrosodimethylamine	3.210	42	117019	20.515	ng	97
6) Aniline	6.481	93	257655	21.446	ng	100
8) 2-Chlorophenol	6.604	128	240612	20.994	ng	97
9) Benzaldehyde	6.369	77	171668	22.710	ng	97
10) Phenol	6.451	94	307174	21.206	ng	99
11) bis(2-Chloroethyl)ether	6.551	93	224939	20.837	ng	99
12) 1,3-Dichlorobenzene	6.763	146	271956	21.275	ng	98
13) 1,4-Dichlorobenzene	6.840	146	275255	21.369	ng	99
14) 1,2-Dichlorobenzene	6.993	146	259444	21.592	ng	96
15) Benzyl Alcohol	6.957	79	205325	21.011	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.098	45	319998	21.243	ng	99
17) 2-Methylphenol	7.063	107	195053	21.080	ng	98
18) Hexachloroethane	7.334	117	98162	21.073	ng	98
19) n-Nitroso-di-n-propyla...	7.228	70	166563	20.896	ng	99
20) 3+4-Methylphenols	7.216	107	252067	21.593	ng	98
22) Acetophenone	7.228	105	325163	21.318	ng	99
24) Nitrobenzene	7.398	77	263687	20.903	ng	100
25) Isophorone	7.640	82	432580	20.913	ng	99
26) 2-Nitrophenol	7.716	139	121643	21.198	ng	99
27) 2,4-Dimethylphenol	7.751	122	160116	20.686	ng	98
28) bis(2-Chloroethoxy)met...	7.851	93	275641	21.233	ng	99
29) 2,4-Dichlorophenol	7.951	162	192733	20.966	ng	100
30) 1,2,4-Trichlorobenzene	8.045	180	223082	21.231	ng	99
31) Naphthalene	8.122	128	725773	21.450	ng	99
32) Benzoic acid	7.828	122	147997	19.932	ng	99
33) 4-Chloroaniline	8.169	127	247958	21.190	ng	100
34) Hexachlorobutadiene	8.245	225	133140	21.028	ng	99
35) Caprolactam	8.516	113	63223	20.967	ng	96
36) 4-Chloro-3-methylphenol	8.645	107	209656	20.854	ng	99
37) 2-Methylnaphthalene	8.816	142	455728	21.136	ng	100
38) 1-Methylnaphthalene	8.916	142	455467	21.434	ng	100
40) 1,2,4,5-Tetrachloroben...	8.981	216	207159	21.053	ng	99
41) Hexachlorocyclopentadiene	8.969	237	68830	21.381	ng	99
43) 2,4,6-Trichlorophenol	9.092	196	141110	21.263	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141112.D
Acq On : 10 Jan 2025 14:10
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Jan 10 22:19:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:16:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.128	196	143420	20.463	ng		98
46) 1,1'-Biphenyl	9.281	154	566930	21.294	ng		99
47) 2-Chloronaphthalene	9.304	162	436413	21.045	ng		99
48) 2-Nitroaniline	9.392	65	125270	20.379	ng		96
49) Acenaphthylene	9.716	152	627543	21.182	ng		99
50) Dimethylphthalate	9.575	163	481191	20.907	ng		100
51) 2,6-Dinitrotoluene	9.639	165	112600	21.038	ng		99
52) Acenaphthene	9.892	154	436615	21.094	ng		99
53) 3-Nitroaniline	9.804	138	114181	20.994	ng		98
54) 2,4-Dinitrophenol	9.910	184	45746	17.982	ng	#	72
55) Dibenzofuran	10.063	168	595943	21.167	ng		99
56) 4-Nitrophenol	9.951	139	87361	20.509	ng		96
57) 2,4-Dinitrotoluene	10.039	165	145002	21.023	ng		98
58) Fluorene	10.404	166	465998	21.305	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.175	232	121311	20.823	ng		99
60) Diethylphthalate	10.281	149	472480	21.028	ng		99
61) 4-Chlorophenyl-phenyle...	10.398	204	227252	21.317	ng		99
62) 4-Nitroaniline	10.410	138	108089	20.305	ng		98
63) Azobenzene	10.557	77	463688	20.915	ng		98
65) 4,6-Dinitro-2-methylph...	10.445	198	70598	20.638	ng		99
66) n-Nitrosodiphenylamine	10.516	169	403436	21.188	ng		100
67) 4-Bromophenyl-phenylether	10.892	248	140672	20.698	ng		98
68) Hexachlorobenzene	10.951	284	156770	20.721	ng		99
69) Atrazine	11.039	200	100524	19.607	ng		100
70) Pentachlorophenol	11.145	266	100960	20.837	ng		98
71) Phenanthrene	11.369	178	662092	20.891	ng		99
72) Anthracene	11.422	178	646616	20.983	ng		100
73) Carbazole	11.575	167	597025	21.128	ng		99
74) Di-n-butylphthalate	11.910	149	672525	20.797	ng		100
75) Fluoranthene	12.557	202	651977	20.615	ng		99
77) Benzidine	12.680	184	96892	16.701	ng		100
78) Pyrene	12.786	202	651047	21.787	ng		99
80) Butylbenzylphthalate	13.410	149	207563	20.834	ng		98
81) Benzo(a)anthracene	13.974	228	446504	20.971	ng		100
82) 3,3'-Dichlorobenzidine	13.939	252	139050	20.510	ng		100
83) Chrysene	14.010	228	417881	20.975	ng		99
84) Bis(2-ethylhexyl)phtha...	13.974	149	252397	21.114	ng		99
85) Di-n-octyl phthalate	14.598	149	365598	20.253	ng		99
87) Indeno(1,2,3-cd)pyrene	16.904	276	496449	21.272	ng		100
88) Benzo(b)fluoranthene	15.027	252	410817	20.000	ng		99
89) Benzo(k)fluoranthene	15.051	252	363482	20.939	ng		98
90) Benzo(a)pyrene	15.386	252	348882	20.586	ng		99
91) Dibenzo(a,h)anthracene	16.921	278	401882	21.291	ng		99
92) Benzo(g,h,i)perylene	17.339	276	429242	21.863	ng		100

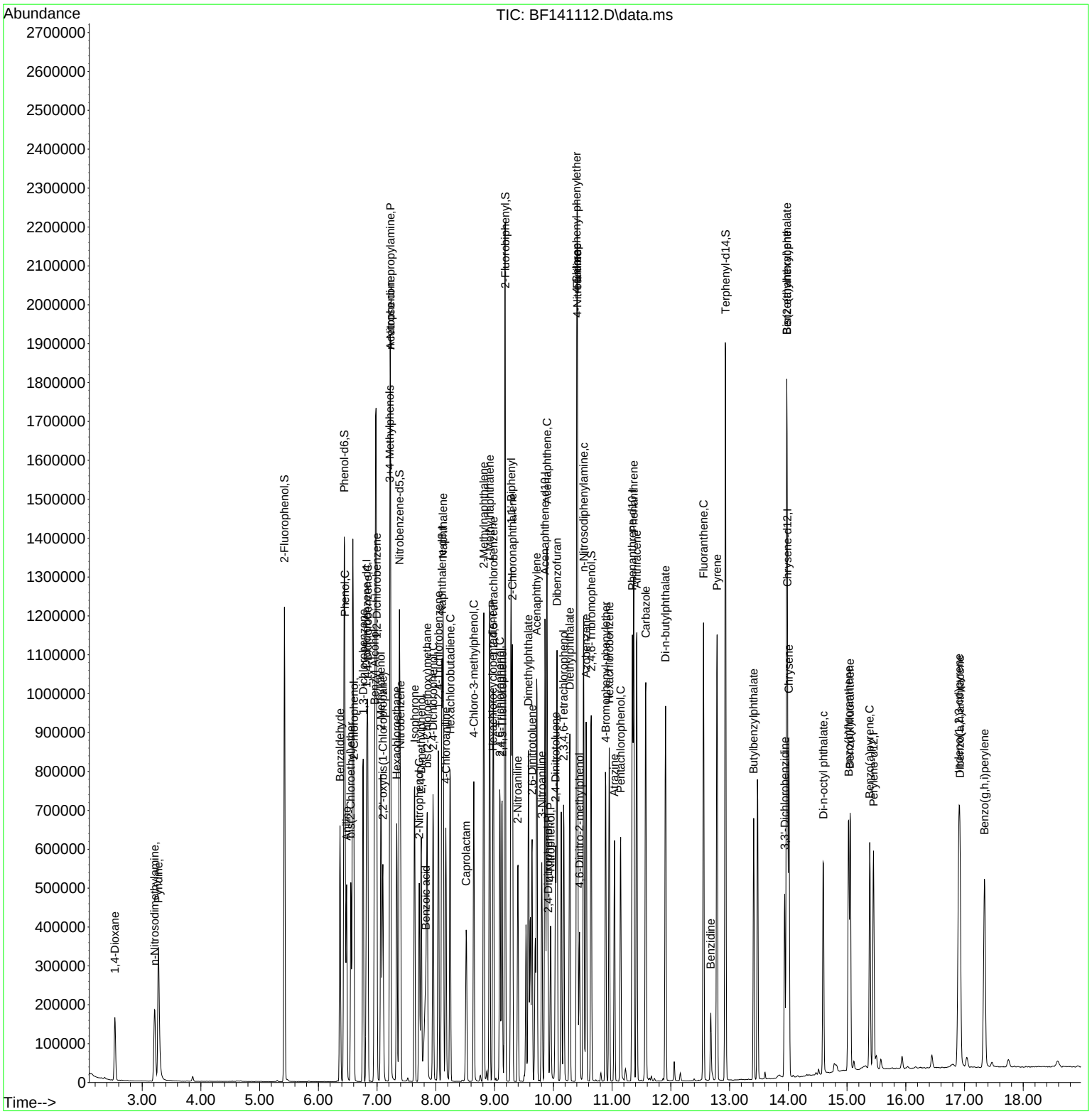
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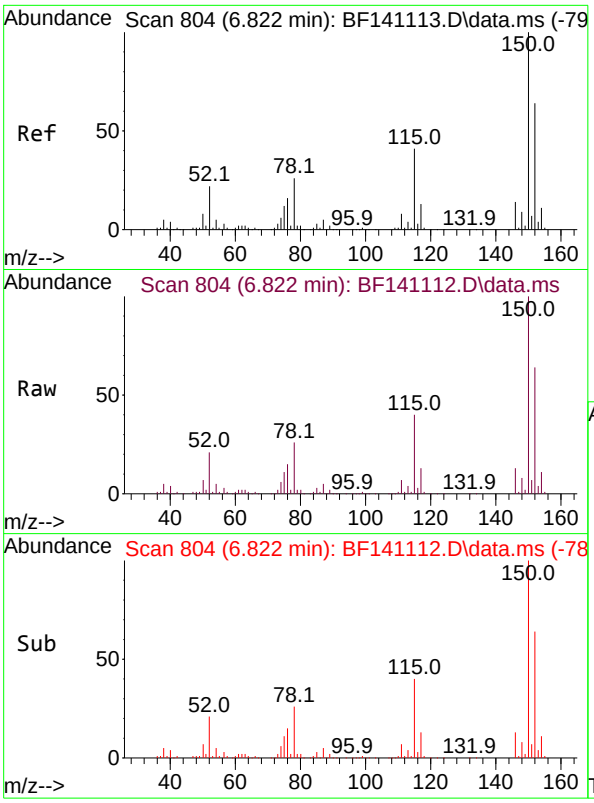
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141112.D
Acq On : 10 Jan 2025 14:10
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: Jan 10 22:19:20 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:16:11 2025
Response via : Initial Calibration



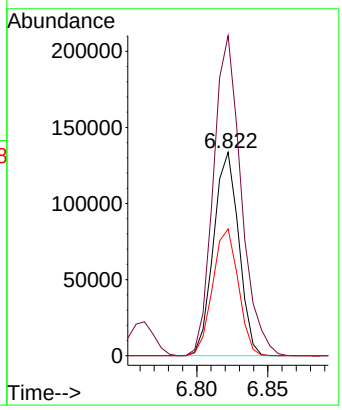


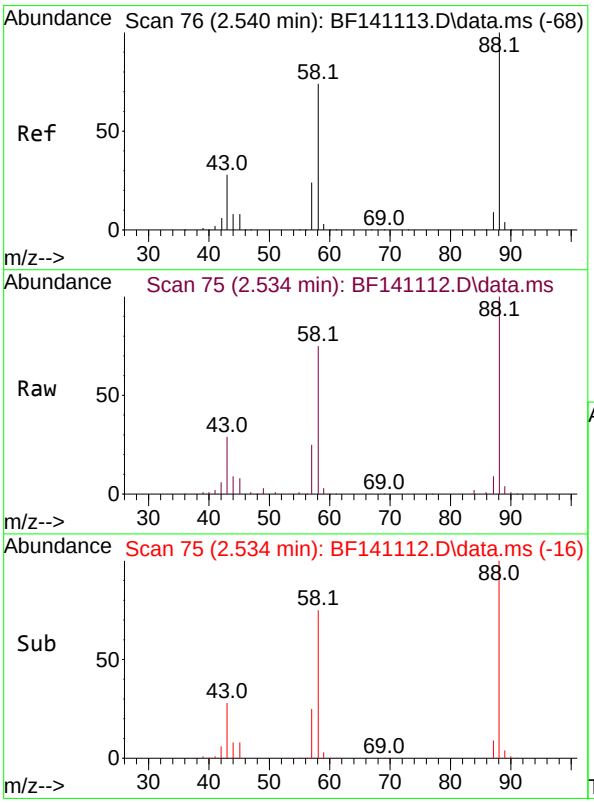
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 165025

Ion	Ratio	Lower	Upper
152	100		
150	157.4	125.8	188.8
115	62.3	51.4	77.2

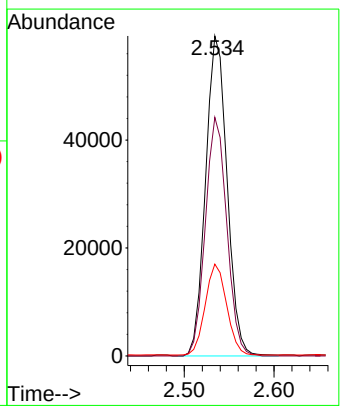


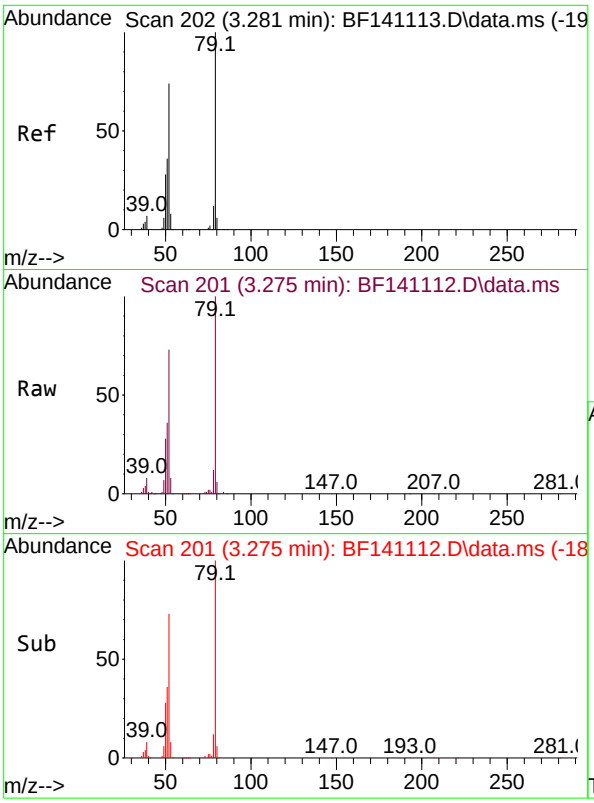


#2
1,4-Dioxane
Concen: 20.749 ng
RT: 2.534 min Scan# 75
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion: 88 Resp: 98707

Ion	Ratio	Lower	Upper
88	100		
58	74.2	60.1	90.1
43	28.2	23.1	34.7



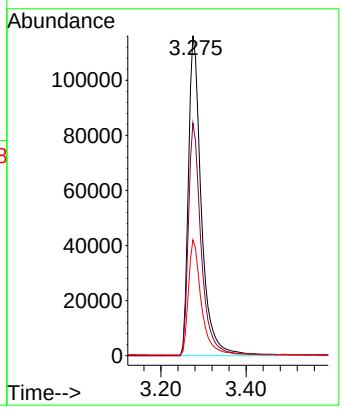


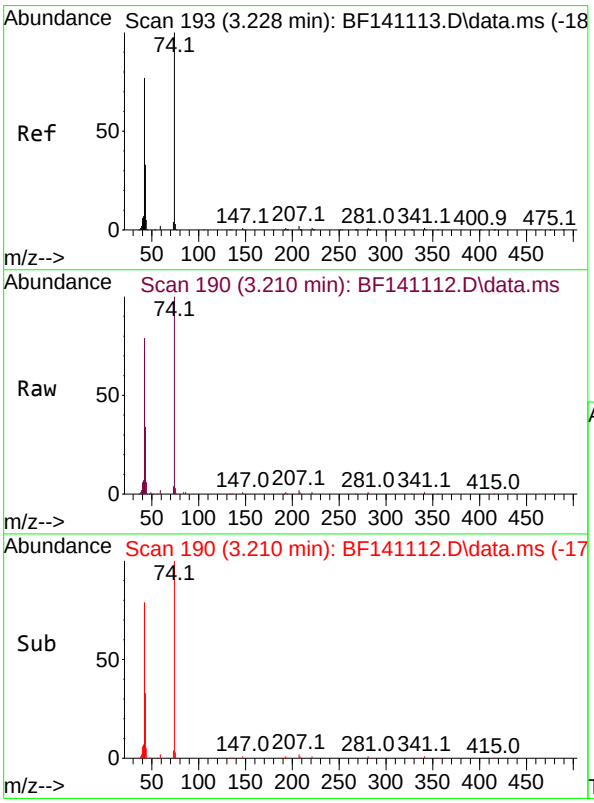
#3
Pyridine
Concen: 21.028 ng
RT: 3.275 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 245303

Ion	Ratio	Lower	Upper
79	100		
52	72.7	58.9	88.3
51	36.2	29.1	43.7

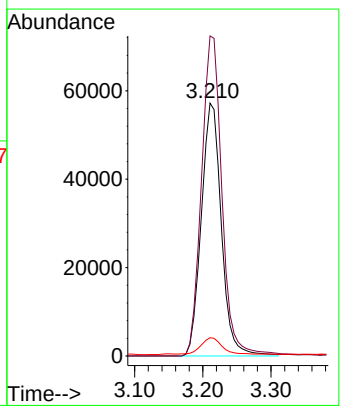


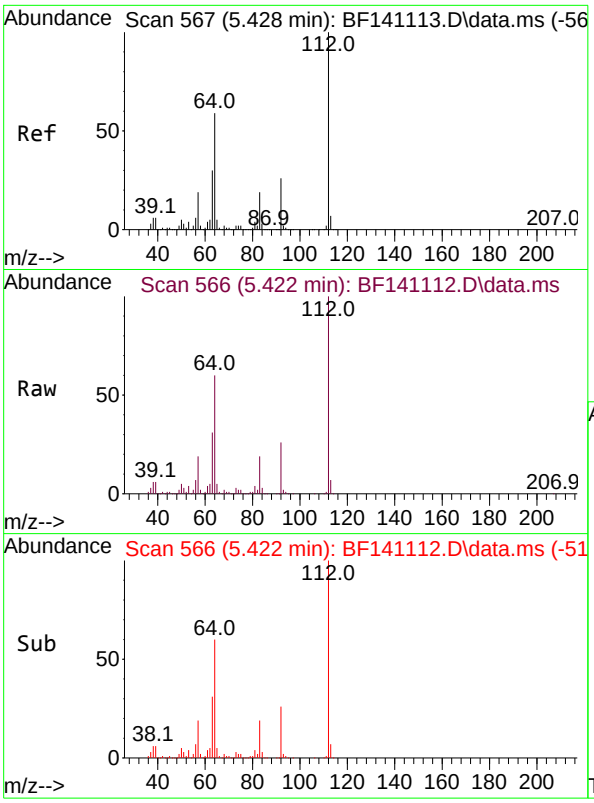


#4
n-Nitrosodimethylamine
Concen: 20.515 ng
RT: 3.210 min Scan# 190
Delta R.T. -0.018 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion: 42 Resp: 117019

Ion	Ratio	Lower	Upper
42	100		
74	126.6	103.8	155.6
44	7.2	5.3	7.9



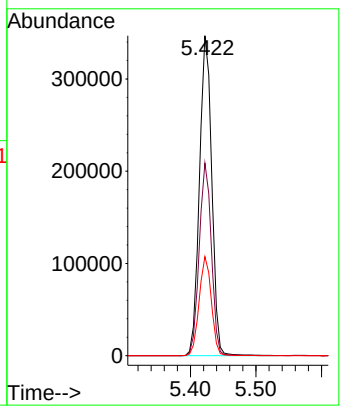


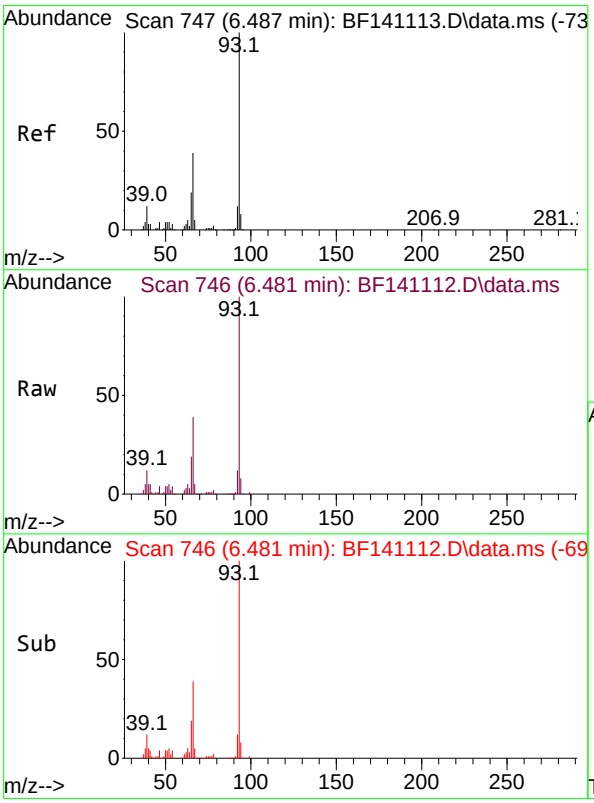
#5
2-Fluorophenol
Concen: 42.566 ng
RT: 5.422 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:112 Resp: 454711

Ion	Ratio	Lower	Upper
112	100		
64	60.2	47.3	70.9
63	31.0	24.2	36.2

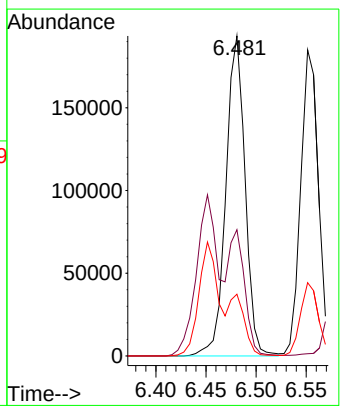


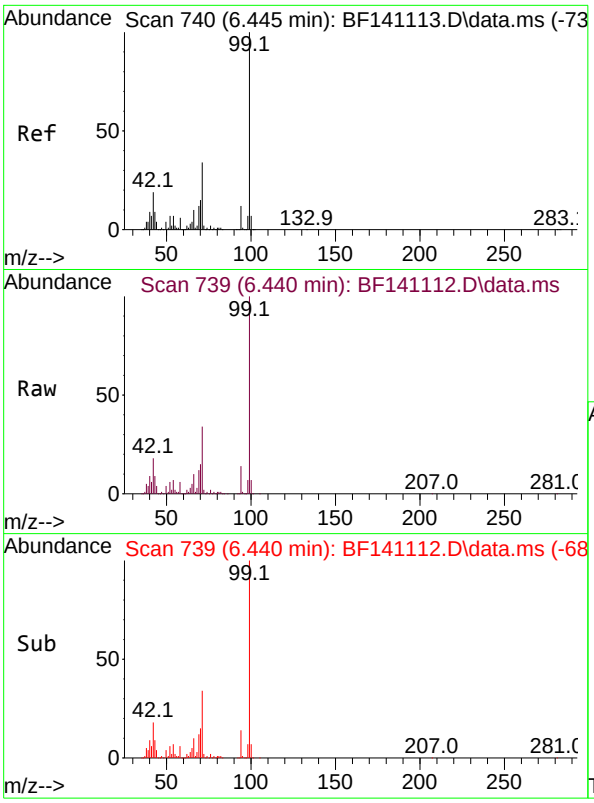


#6
Aniline
Concen: 21.446 ng
RT: 6.481 min Scan# 746
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion: 93 Resp: 257655

Ion	Ratio	Lower	Upper
93	100		
66	39.5	31.5	47.3
65	19.3	15.3	22.9



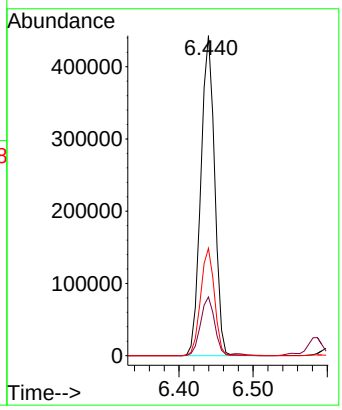


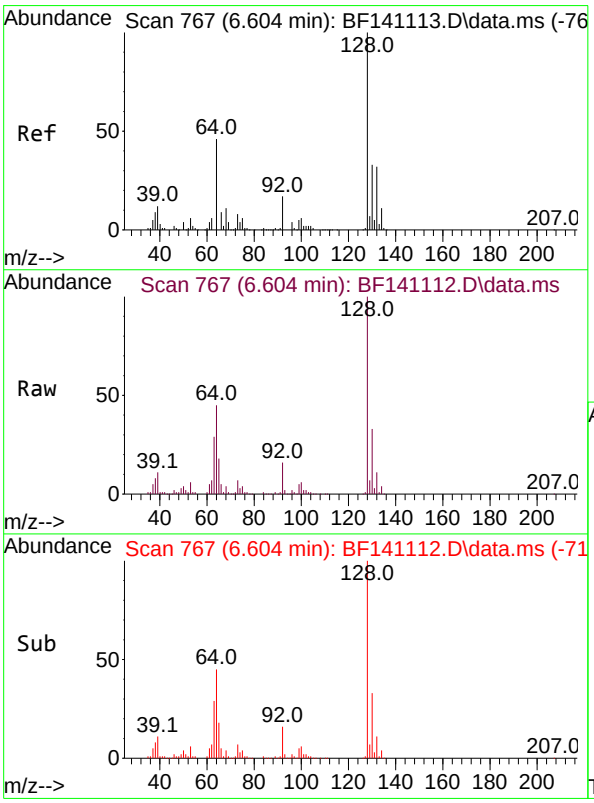
#7
Phenol-d6
Concen: 42.337 ng
RT: 6.440 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 99 Resp: 572898

Ion	Ratio	Lower	Upper
99	100		
42	18.4	15.0	22.4
71	33.6	27.6	41.4

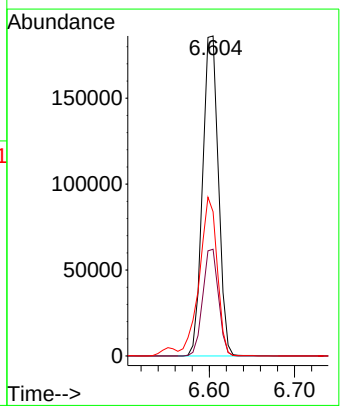


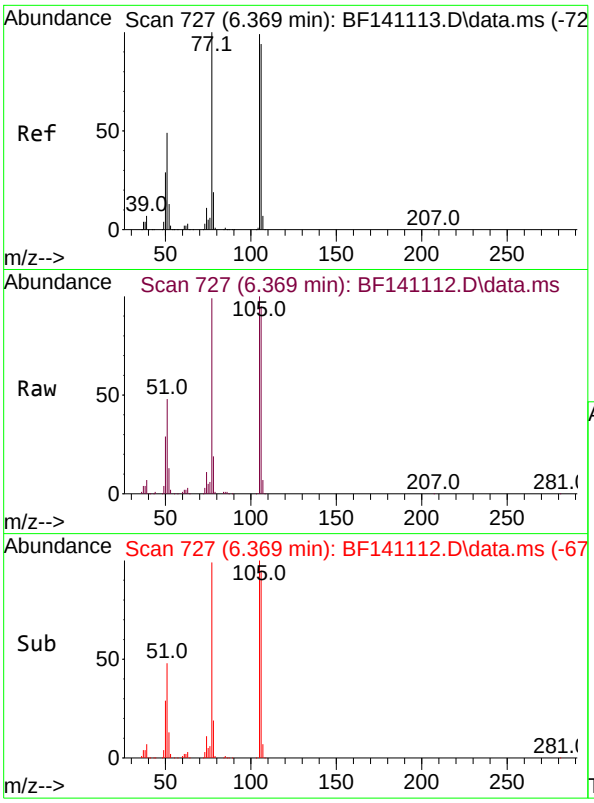


#8
2-Chlorophenol
Concen: 20.994 ng
RT: 6.604 min Scan# 767
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:128 Resp: 240612

Ion	Ratio	Lower	Upper
128	100		
130	33.3	12.5	52.5
64	45.1	28.3	68.3



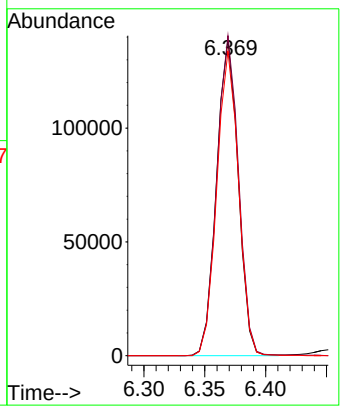


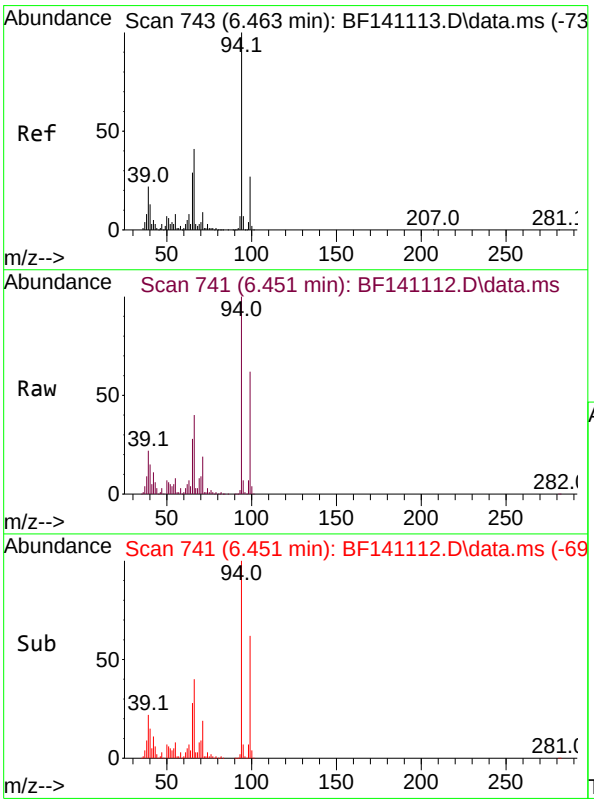
#9
Benzaldehyde
Concen: 22.710 ng
RT: 6.369 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 171668

Ion	Ratio	Lower	Upper
77	100		
105	101.3	78.9	118.9
106	96.4	73.6	113.6

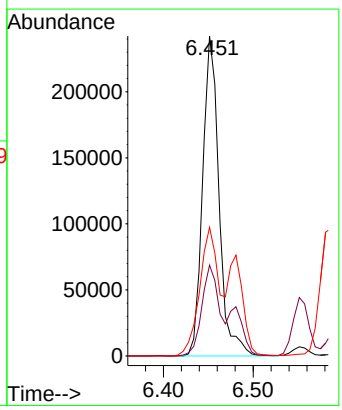


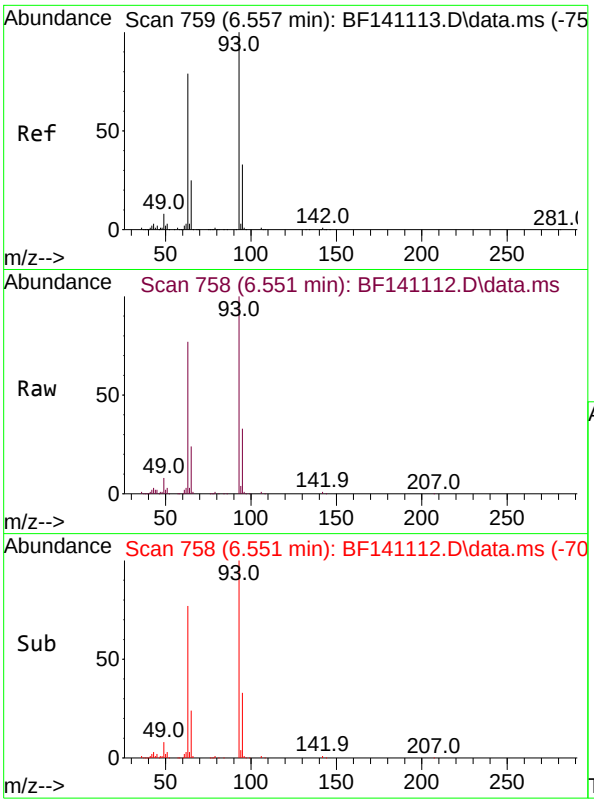


#10
Phenol
Concen: 21.206 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion: 94 Resp: 307174

Ion	Ratio	Lower	Upper
94	100		
65	28.4	8.9	48.9
66	40.2	21.2	61.2



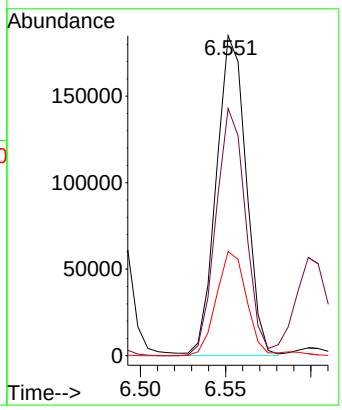


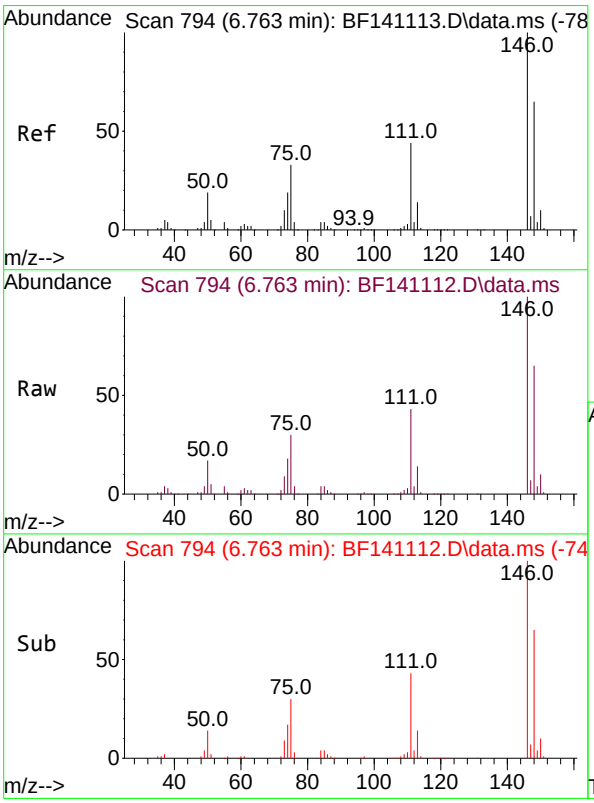
#11
bis(2-Chloroethyl)ether
Concen: 20.837 ng
RT: 6.551 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 93 Resp: 224939

Ion	Ratio	Lower	Upper
93	100		
63	77.2	58.0	98.0
95	32.6	12.5	52.5

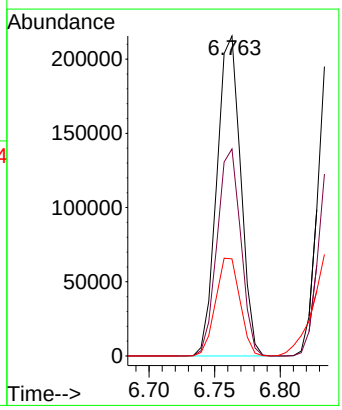


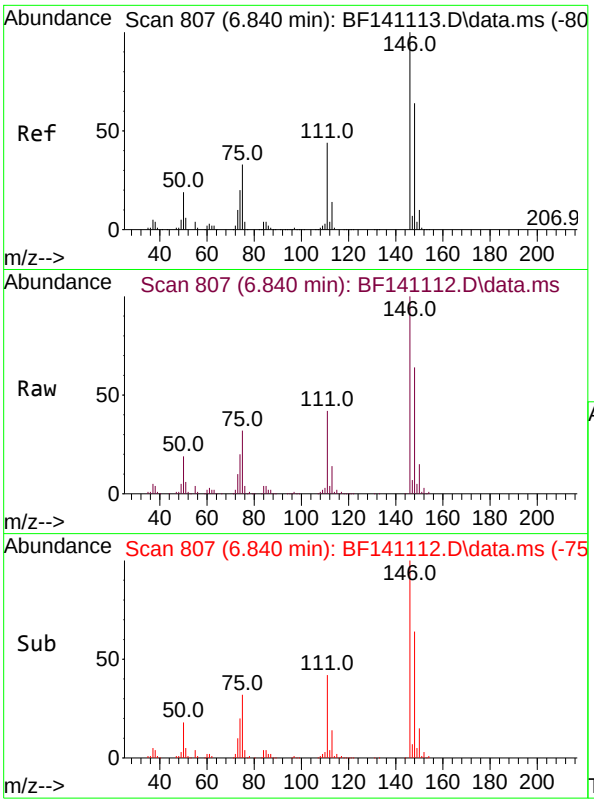


#12
1,3-Dichlorobenzene
Concen: 21.275 ng
RT: 6.763 min Scan# 794
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:146 Resp: 271956

Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.6	77.4
75	30.4	26.2	39.2



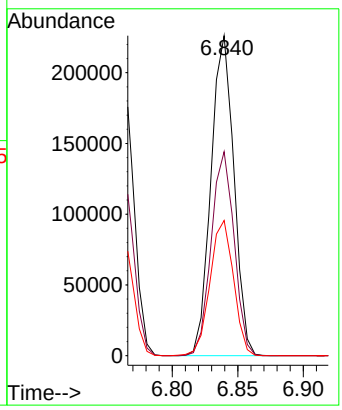


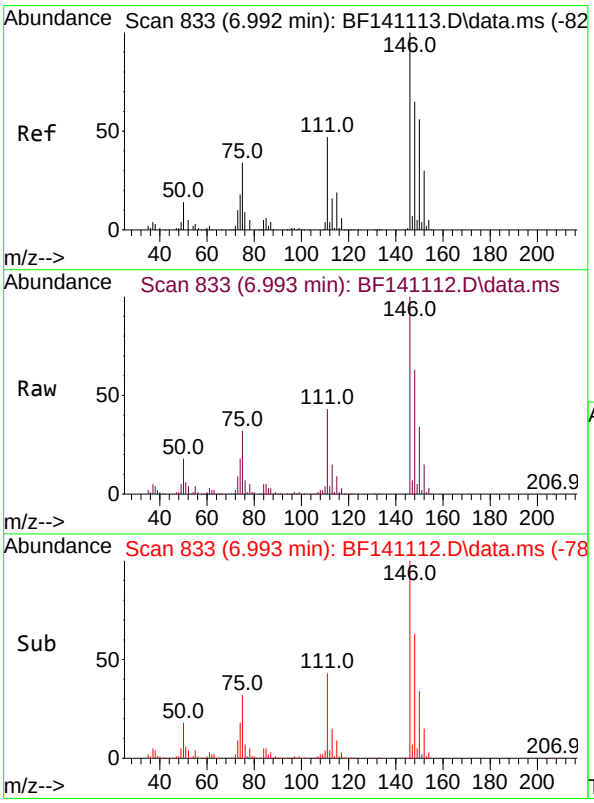
#13
1,4-Dichlorobenzene
Concen: 21.369 ng
RT: 6.840 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:146 Resp: 275255

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.0	76.6
111	42.3	34.9	52.3

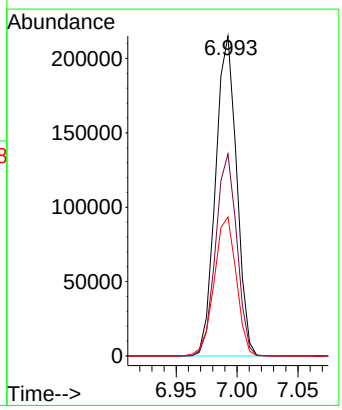


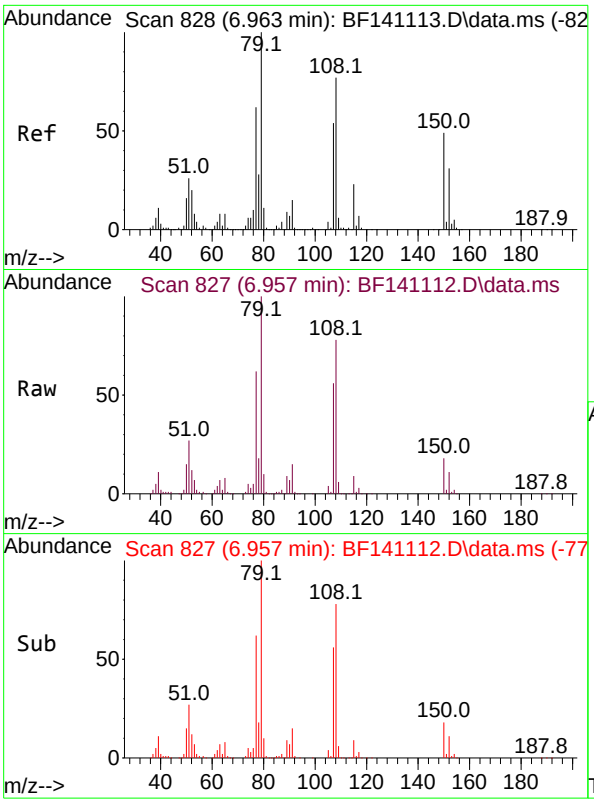


#14
1,2-Dichlorobenzene
Concen: 21.592 ng
RT: 6.993 min Scan# 833
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:146 Resp: 259444

Ion	Ratio	Lower	Upper
146	100		
148	63.2	52.2	78.4
111	43.5	37.5	56.3



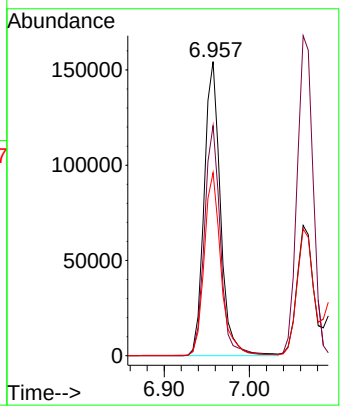


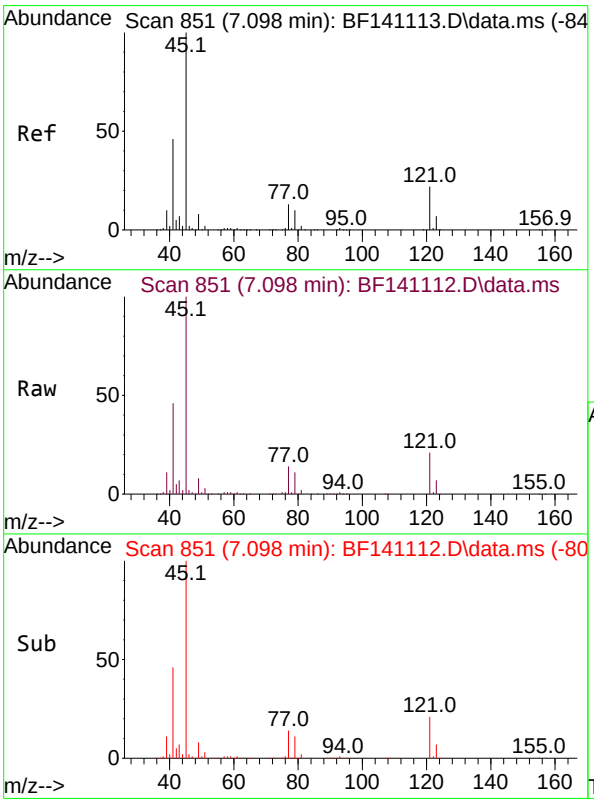
#15
Benzyl Alcohol
Concen: 21.011 ng
RT: 6.957 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 205325

Ion	Ratio	Lower	Upper
79	100		
108	78.2	61.4	92.0
77	62.2	49.8	74.6

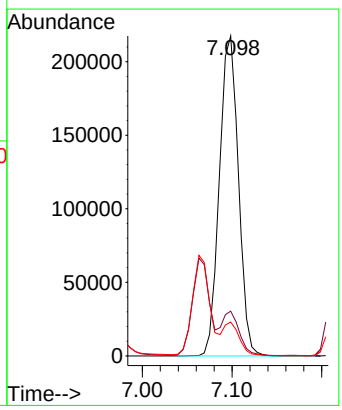


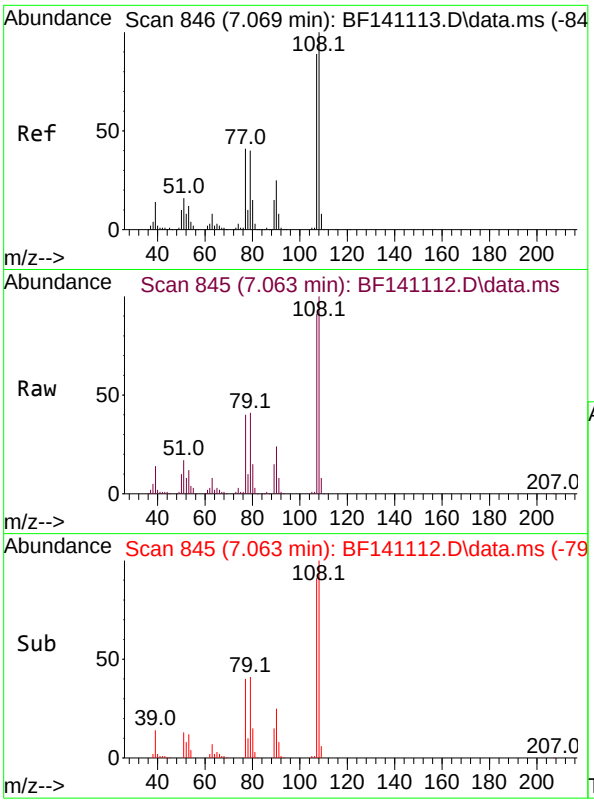


#16
2,2'-oxybis(1-Chloropropane)
Concen: 21.243 ng
RT: 7.098 min Scan# 851
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion: 45 Resp: 319998

Ion	Ratio	Lower	Upper
45	100		
77	14.0	0.0	34.1
79	10.6	0.0	31.0



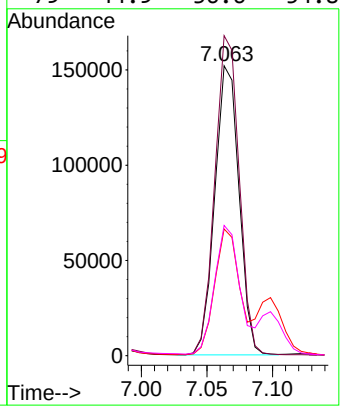


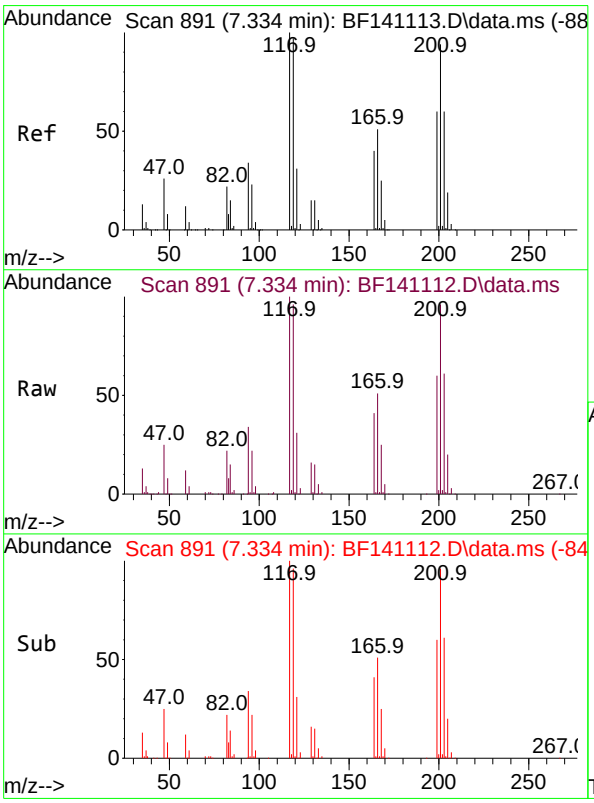
#17
2-Methylphenol
Concen: 21.080 ng
RT: 7.063 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:107 Resp: 195053

Ion	Ratio	Lower	Upper
107	100		
108	110.4	90.1	135.1
77	43.7	36.6	55.0
79	44.9	36.6	54.8

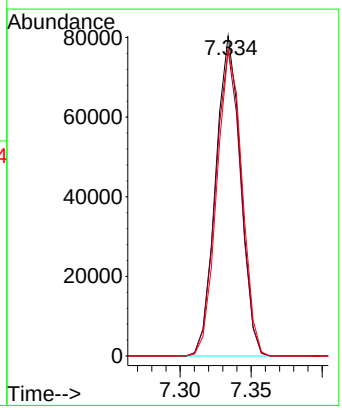


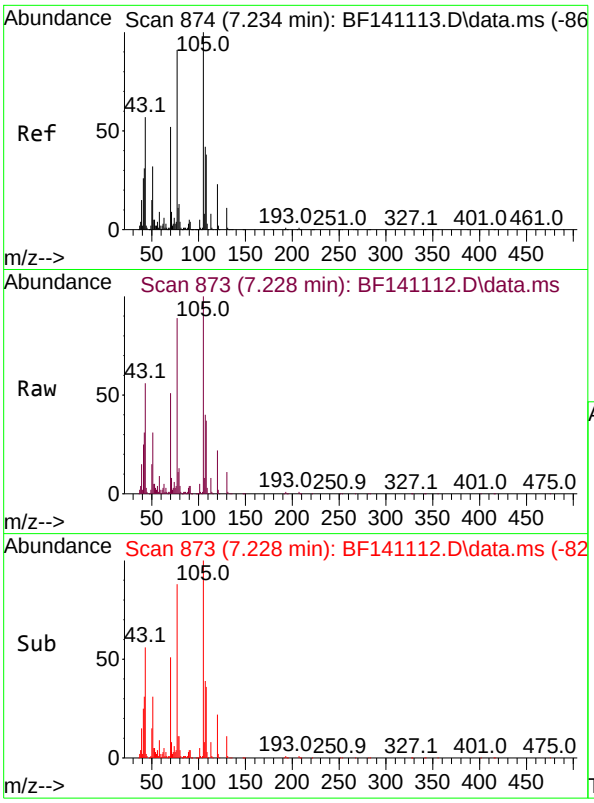


#18
Hexachloroethane
Concen: 21.073 ng
RT: 7.334 min Scan# 891
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:117 Resp: 98162

Ion	Ratio	Lower	Upper
117	100		
119	95.7	77.6	116.4
201	95.5	75.1	112.7



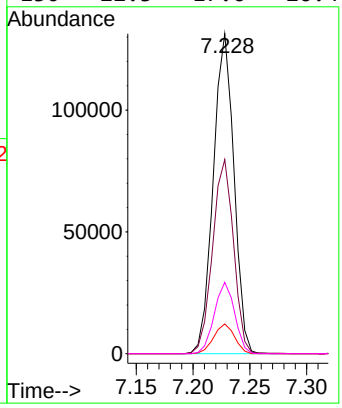


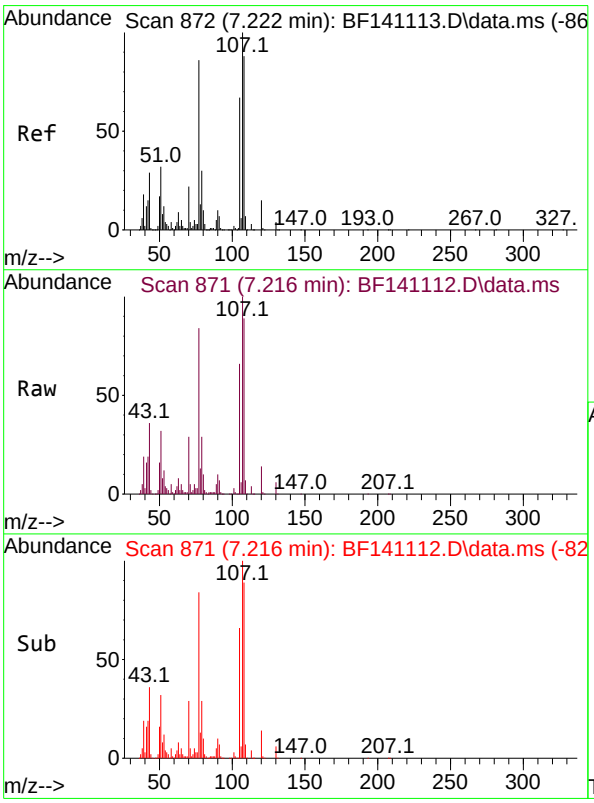
#19
n-Nitroso-di-n-propylamine
Concen: 20.896 ng
RT: 7.228 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 70 Resp: 166563

Ion	Ratio	Lower	Upper
70	100		
42	60.6	47.8	71.6
101	9.3	7.9	11.9
130	22.3	17.6	26.4

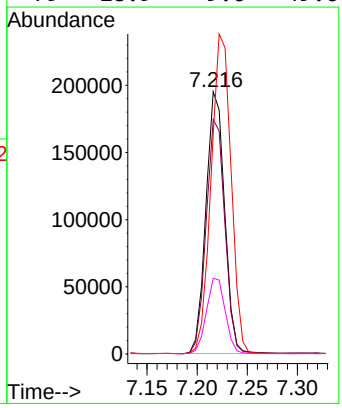


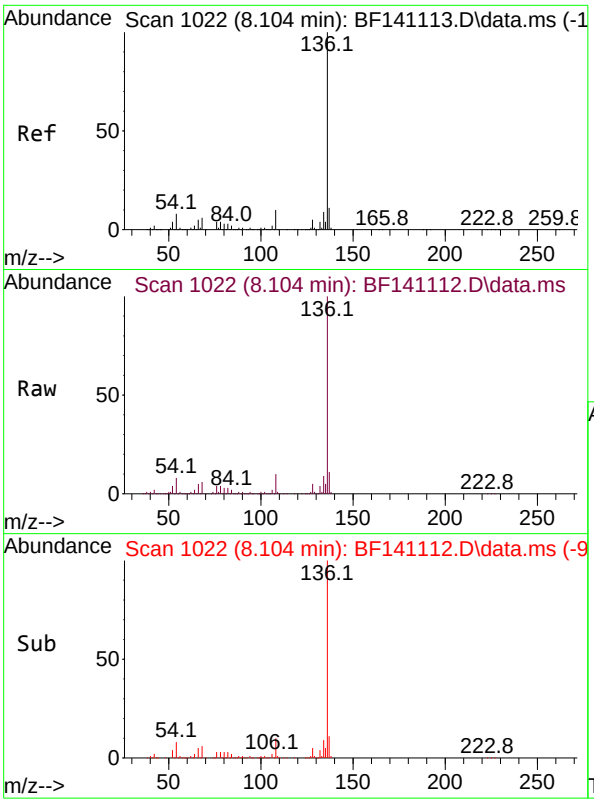


#20
3+4-Methylphenols
Concen: 21.593 ng
RT: 7.216 min Scan# 871
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:107 Resp: 252067

Ion	Ratio	Lower	Upper
107	100		
108	89.4	68.3	108.3
77	84.1	66.4	106.4
79	28.9	9.6	49.6



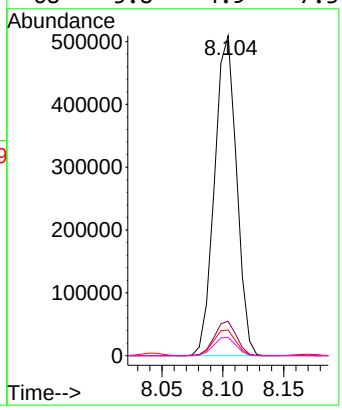


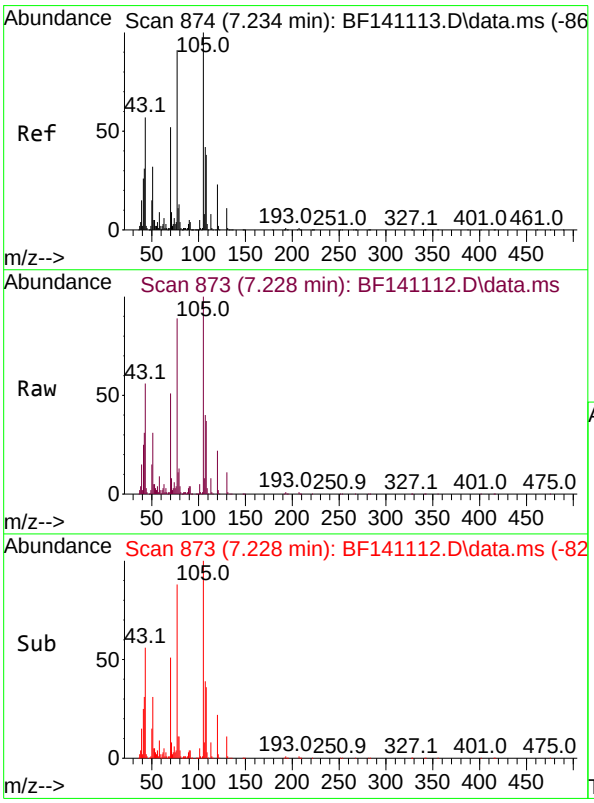
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:136 Resp: 641610

Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.8	13.2
54	8.0	6.3	9.5
68	5.8	4.9	7.3

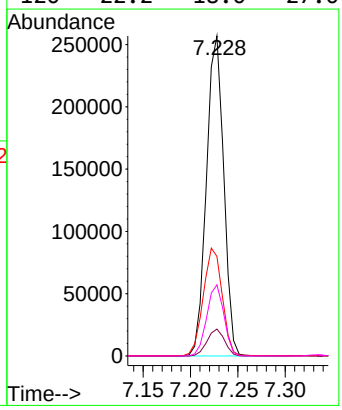


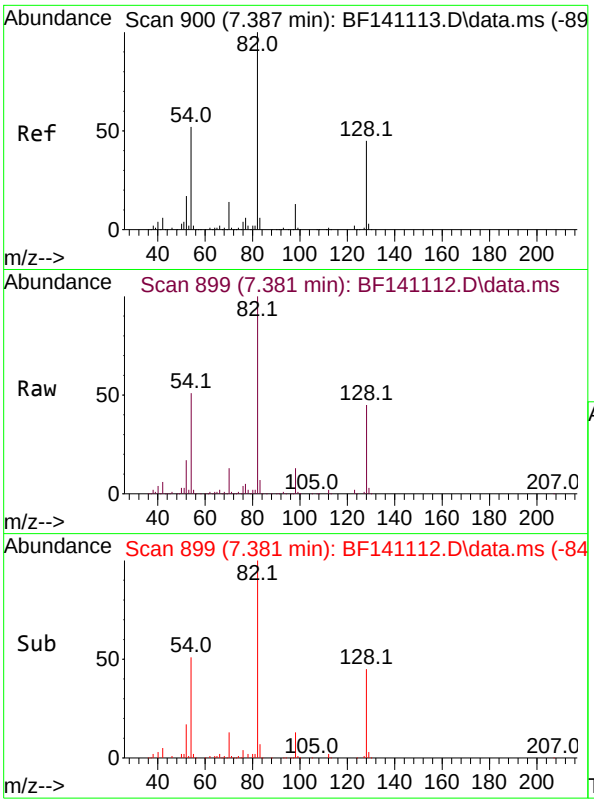


#22
Acetophenone
Concen: 21.318 ng
RT: 7.228 min Scan# 873
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:105 Resp: 325163

Ion	Ratio	Lower	Upper
105	100		
71	8.4	7.1	10.7
51	31.1	25.4	38.2
120	22.2	18.0	27.0



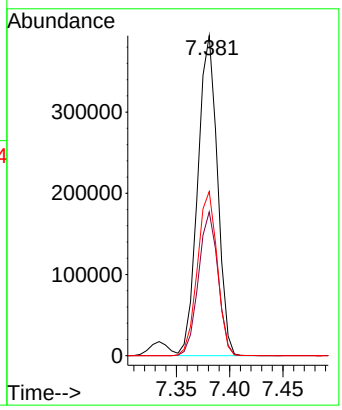


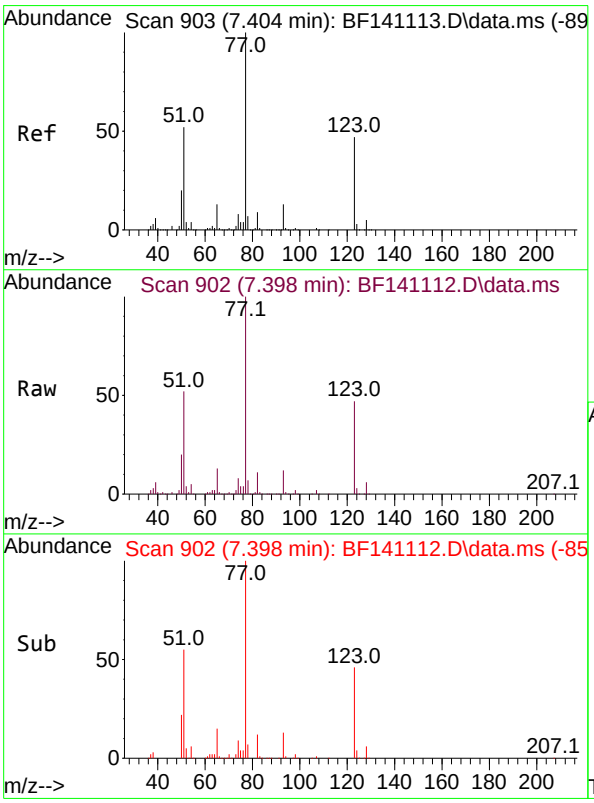
#23
Nitrobenzene-d5
Concen: 41.781 ng
RT: 7.381 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 505718

Ion	Ratio	Lower	Upper
82	100		
128	44.9	36.1	54.1
54	51.3	41.0	61.4

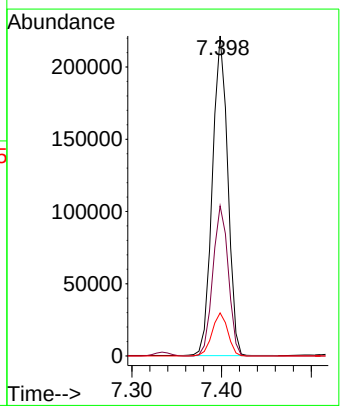


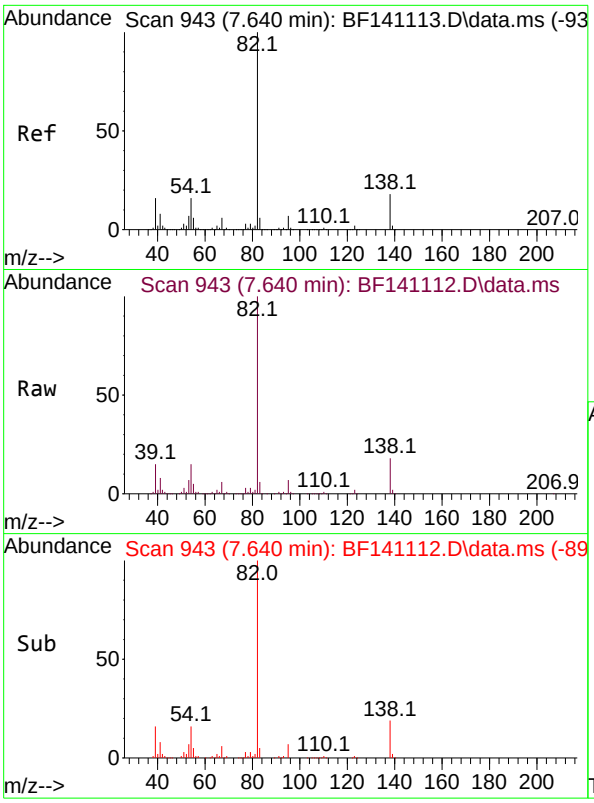


#24
Nitrobenzene
Concen: 20.903 ng
RT: 7.398 min Scan# 902
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion: 77 Resp: 263687

Ion	Ratio	Lower	Upper
77	100		
123	46.9	37.7	56.5
65	13.4	10.6	16.0



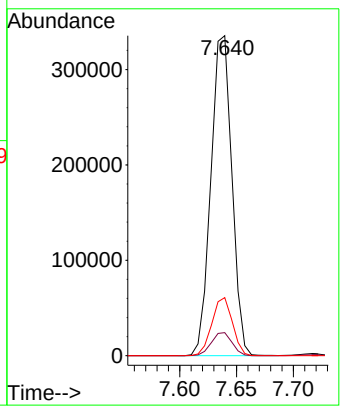


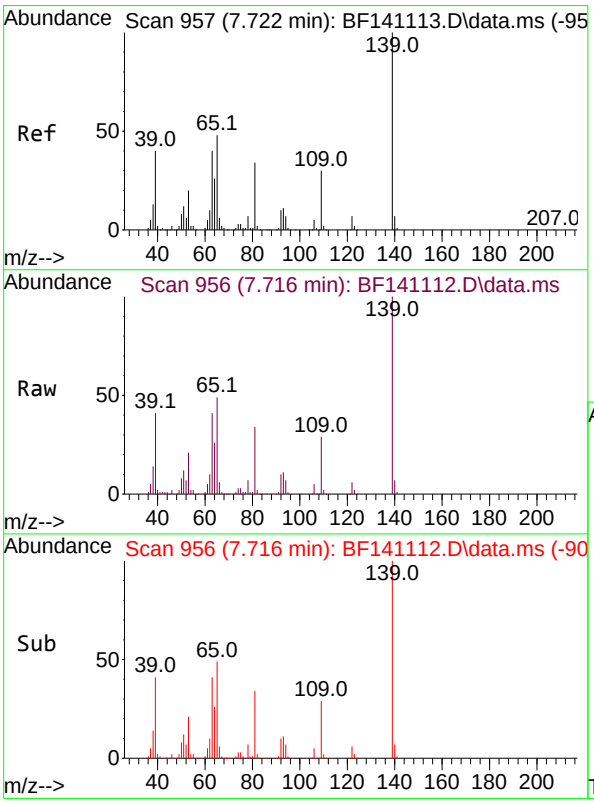
#25
Isophorone
Concen: 20.913 ng
RT: 7.640 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 432580

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.9	8.9
138	18.2	14.2	21.2

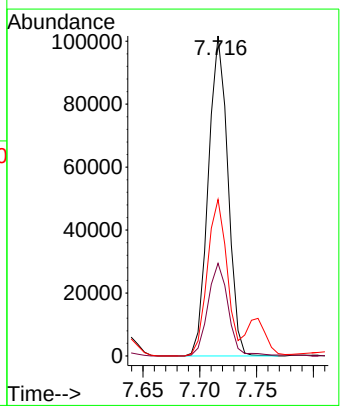


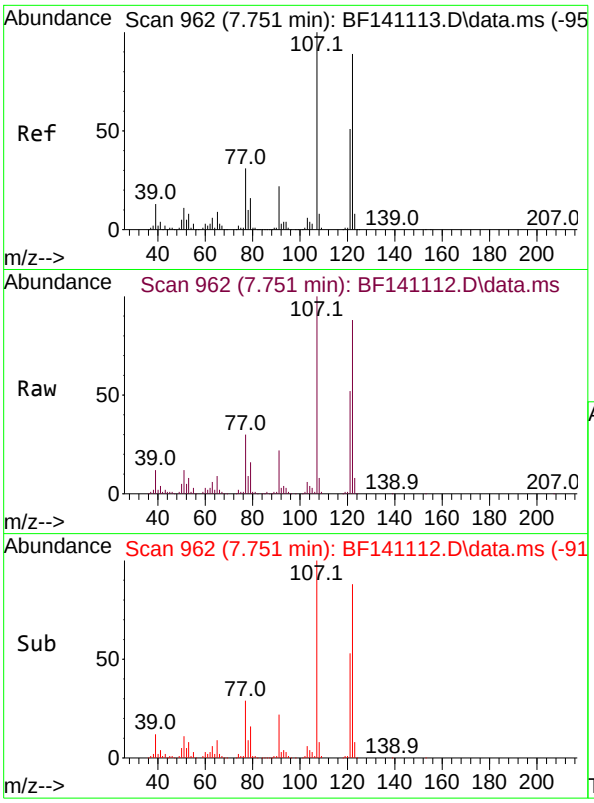


#26
2-Nitrophenol
Concen: 21.198 ng
RT: 7.716 min Scan# 956
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:139 Resp: 121643

Ion	Ratio	Lower	Upper
139	100		
109	29.0	23.8	35.6
65	48.9	38.5	57.7



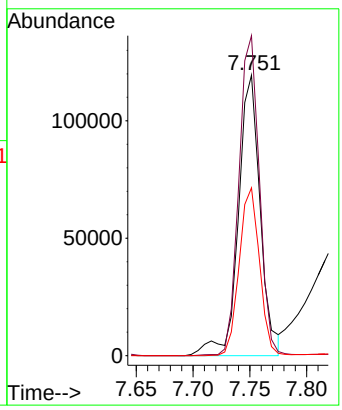


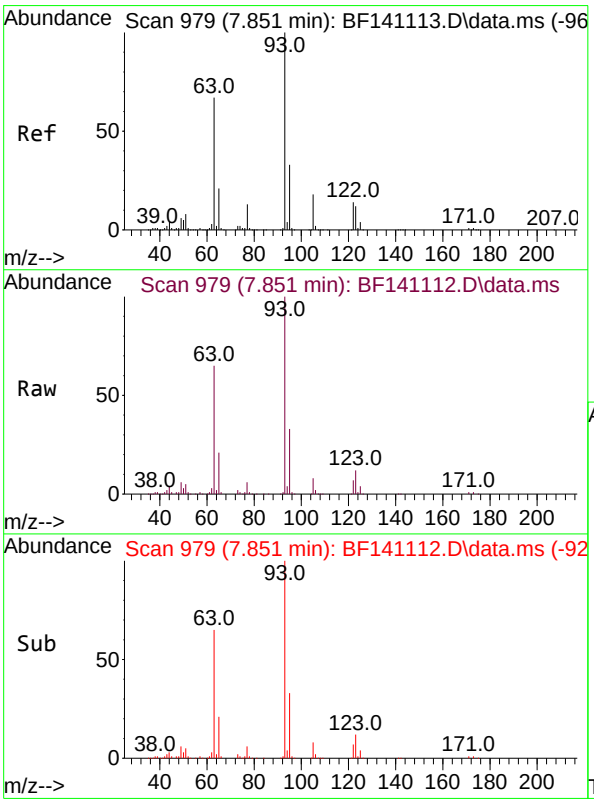
#27
2,4-Dimethylphenol
Concen: 20.686 ng
RT: 7.751 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:122 Resp: 160116

Ion	Ratio	Lower	Upper
122	100		
107	114.1	90.3	135.5
121	59.9	46.5	69.7

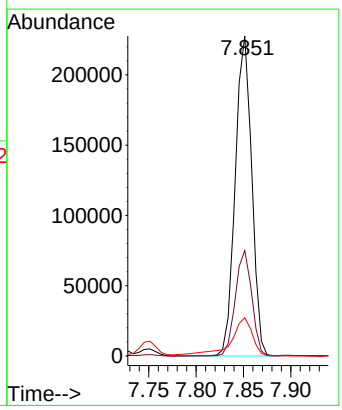


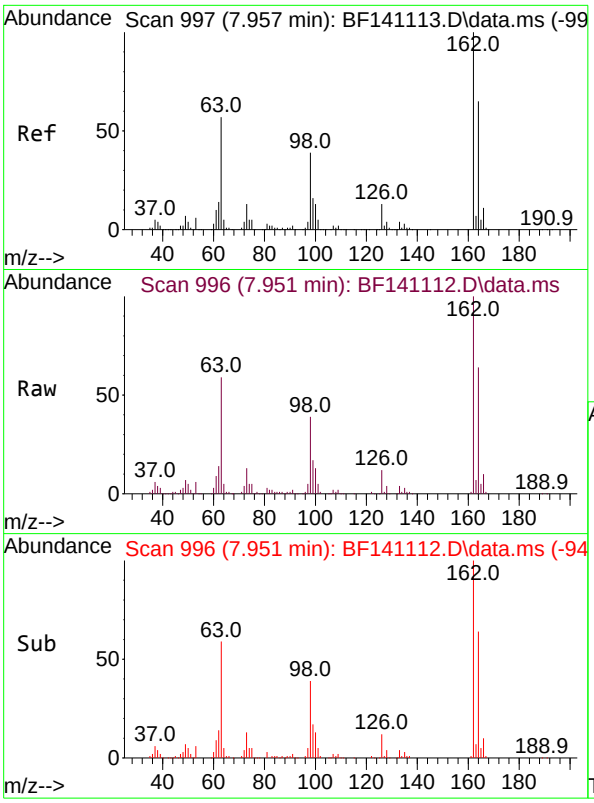


#28
bis(2-Chloroethoxy)methane
Concen: 21.233 ng
RT: 7.851 min Scan# 979
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion: 93 Resp: 275641

Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.2	39.4
123	12.0	10.1	15.1



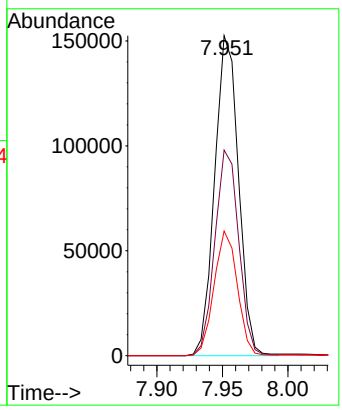


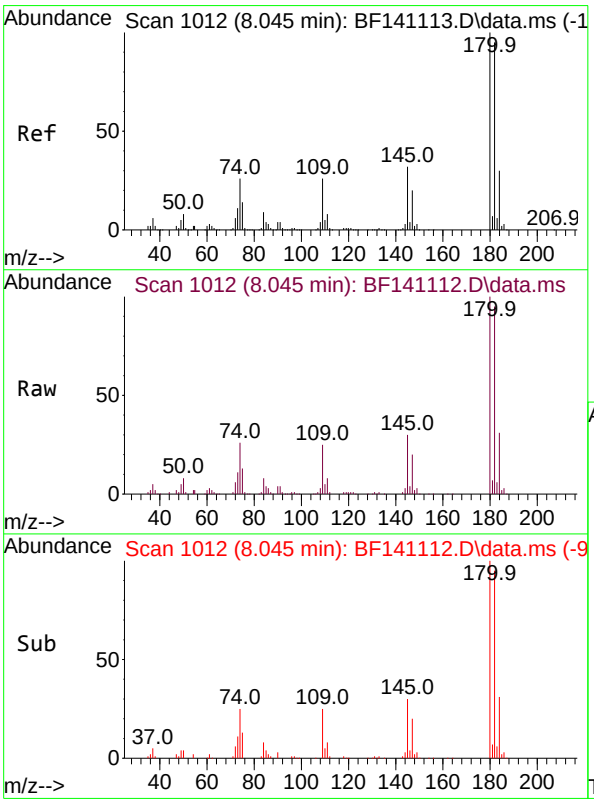
#29
2,4-Dichlorophenol
Concen: 20.966 ng
RT: 7.951 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 192733

Ion	Ratio	Lower	Upper
162	100		
164	64.3	44.5	84.5
98	39.0	18.5	58.5

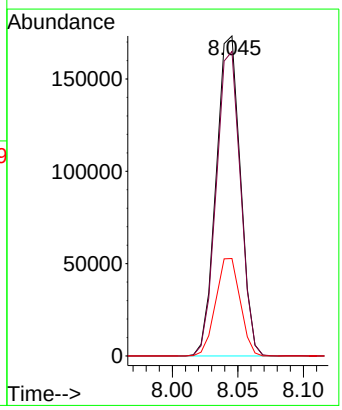


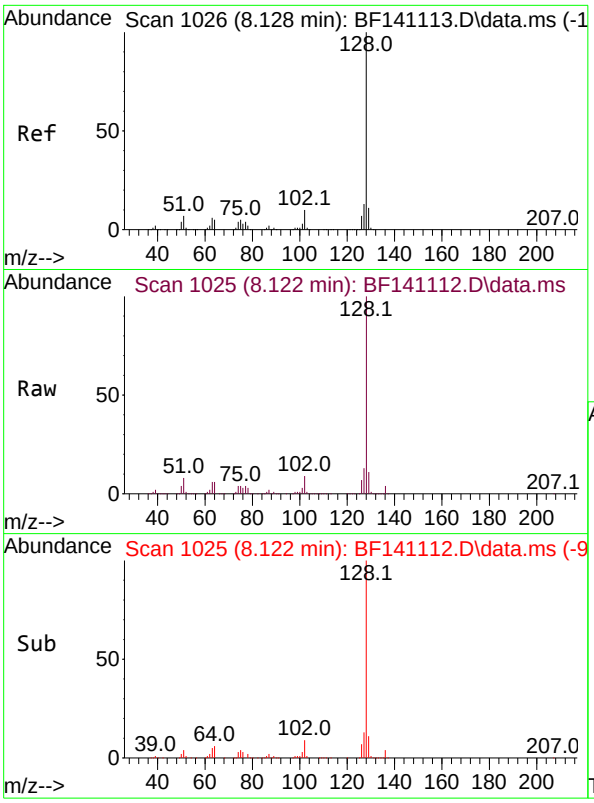


#30
1,2,4-Trichlorobenzene
Concen: 21.231 ng
RT: 8.045 min Scan# 1012
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:180 Resp: 223082

Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.2	114.2
145	30.5	25.3	37.9



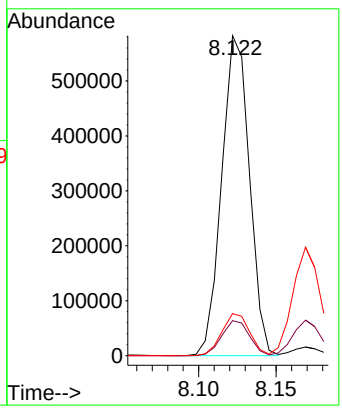


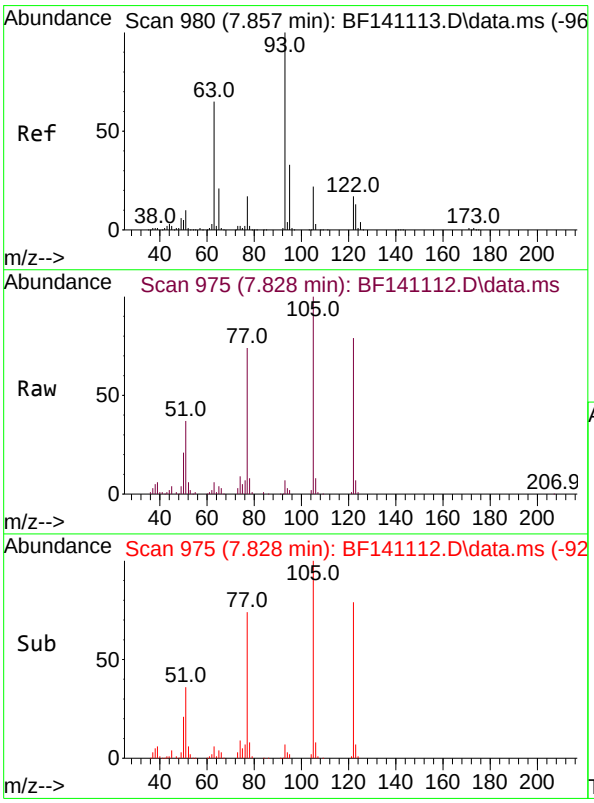
#31
Naphthalene
Concen: 21.450 ng
RT: 8.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:128 Resp: 725773

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.6
127	13.2	10.8	16.2

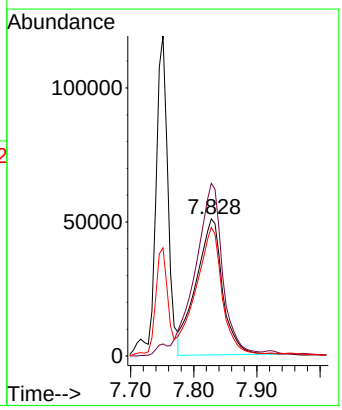


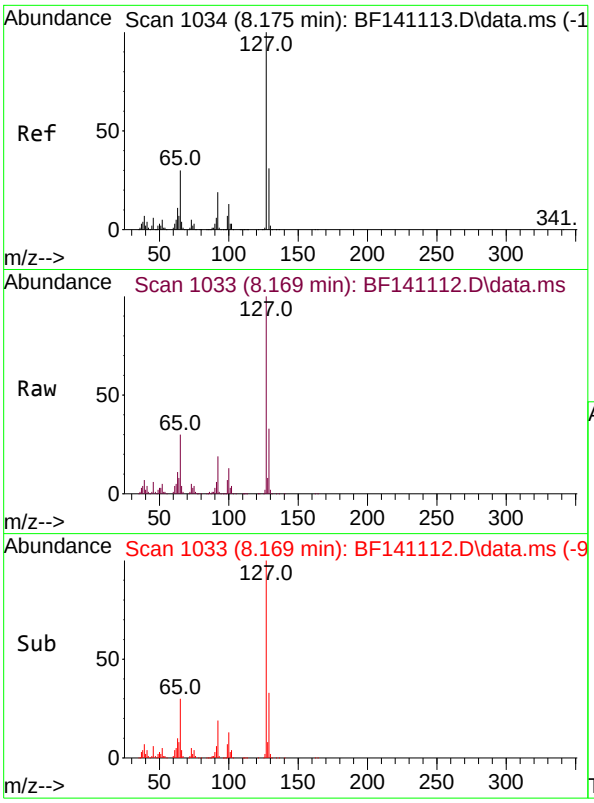


#32
Benzoic acid
Concen: 19.932 ng
RT: 7.828 min Scan# 975
Delta R.T. -0.029 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:122 Resp: 147997

Ion	Ratio	Lower	Upper
122	100		
105	125.9	105.5	145.5
77	93.7	75.1	115.1



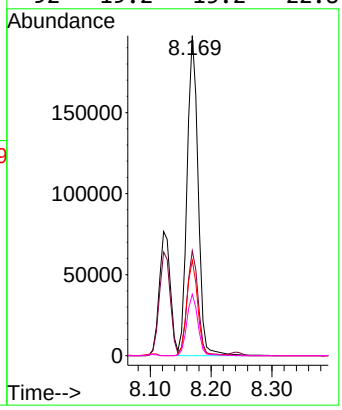


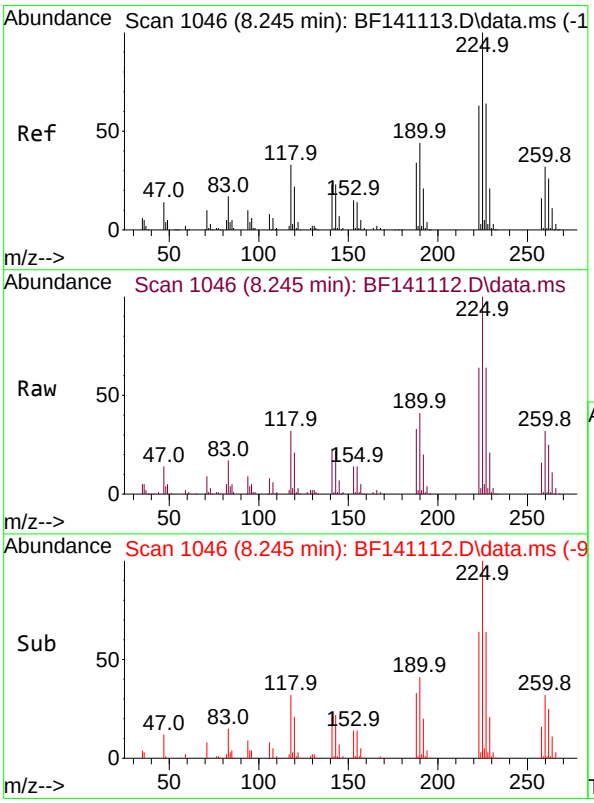
#33
4-Chloroaniline
Concen: 21.190 ng
RT: 8.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:127 Resp: 247958

Ion	Ratio	Lower	Upper
127	100		
129	32.7	25.9	38.9
65	29.7	23.8	35.8
92	19.2	15.2	22.8

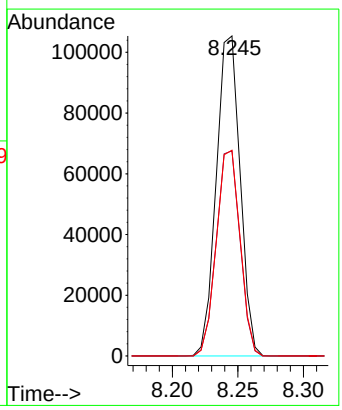


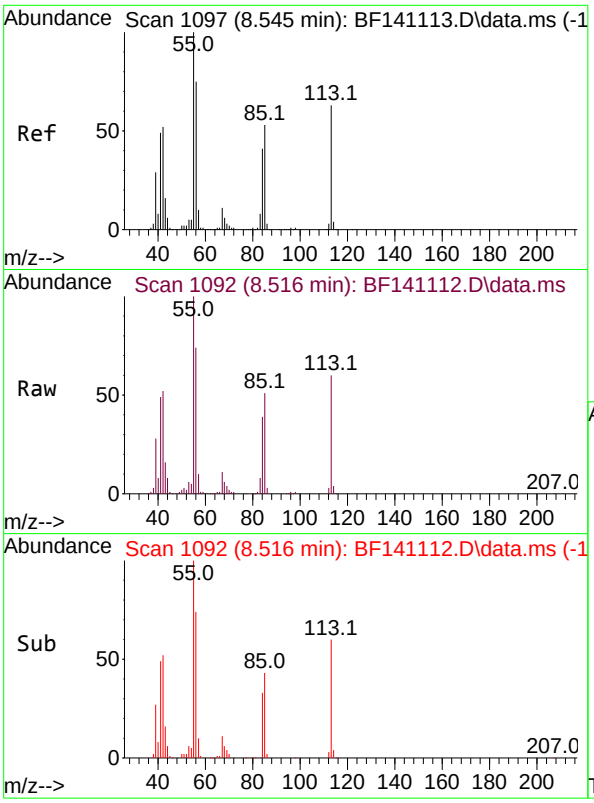


#34
Hexachlorobutadiene
Concen: 21.028 ng
RT: 8.245 min Scan# 1046
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:225 Resp: 133140

Ion	Ratio	Lower	Upper
225	100		
223	64.1	50.6	76.0
227	64.3	51.6	77.4



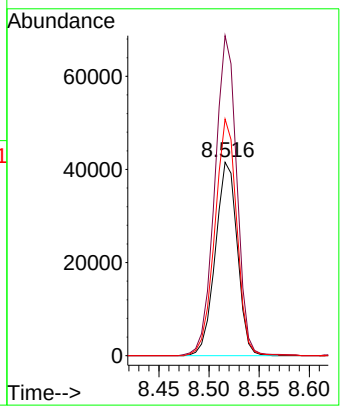


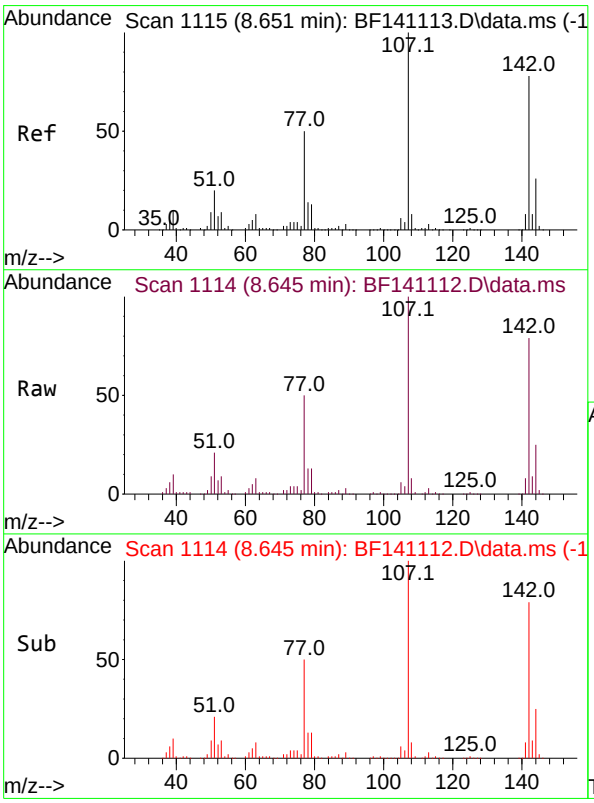
#35
Caprolactam
Concen: 20.967 ng
RT: 8.516 min Scan# 1
Delta R.T. -0.029 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:113 Resp: 63223

Ion	Ratio	Lower	Upper
113	100		
55	165.4	139.7	179.7
56	122.3	99.4	139.4

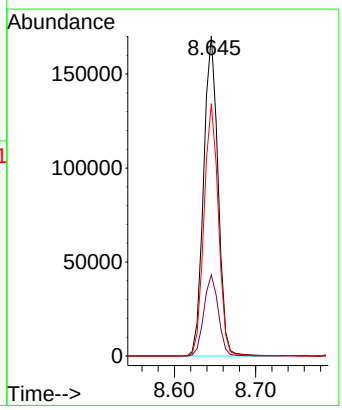


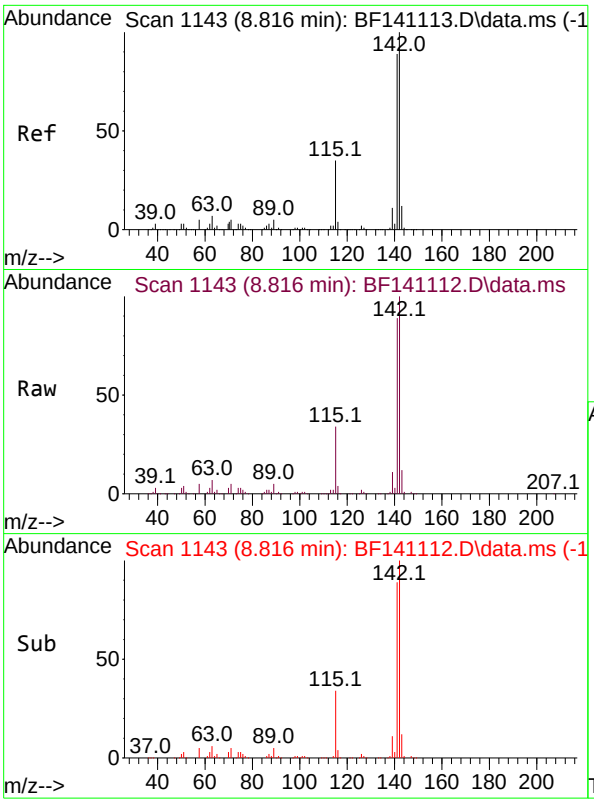


#36
4-Chloro-3-methylphenol
Concen: 20.854 ng
RT: 8.645 min Scan# 1114
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:107 Resp: 209656

Ion	Ratio	Lower	Upper
107	100		
144	25.3	20.4	30.6
142	78.8	62.2	93.2



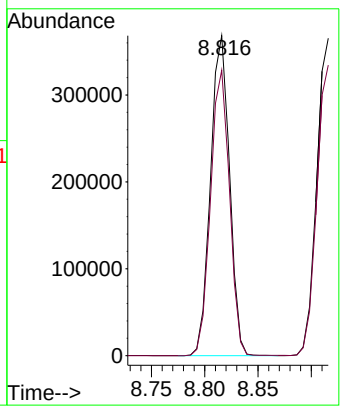


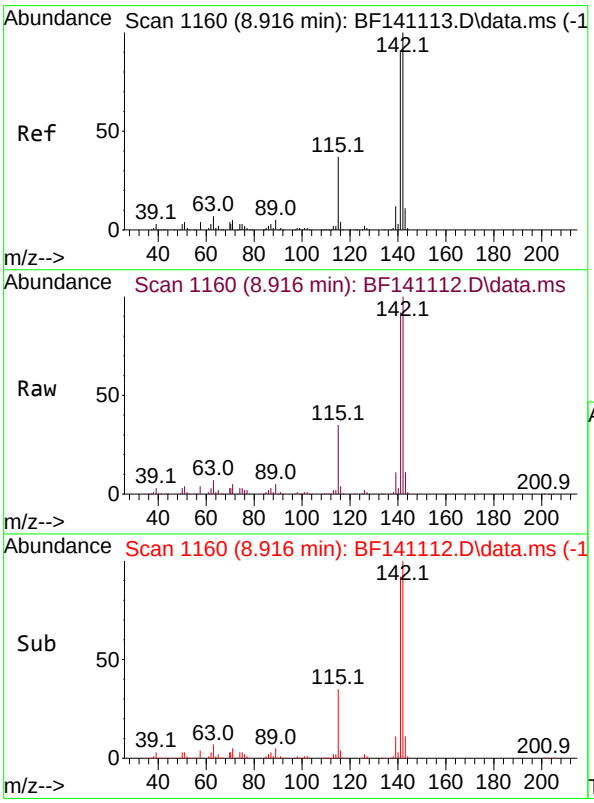
#37
2-Methylnaphthalene
Concen: 21.136 ng
RT: 8.816 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 455728

Ion	Ratio	Lower	Upper
142	100		
141	89.2	71.3	106.9

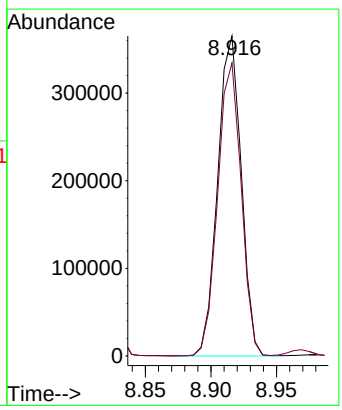


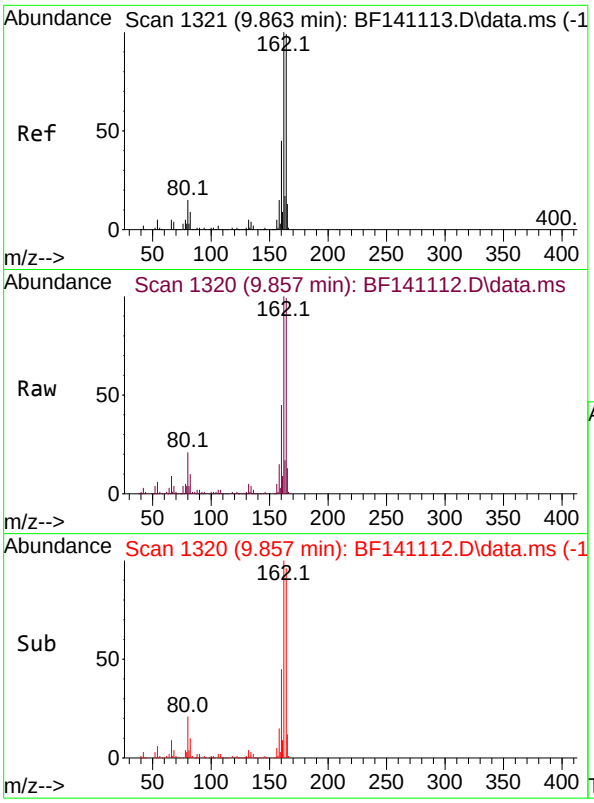


#38
1-Methylnaphthalene
Concen: 21.434 ng
RT: 8.916 min Scan# 1160
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:142 Resp: 455467

Ion	Ratio	Lower	Upper
142	100		
141	91.5	73.1	109.7



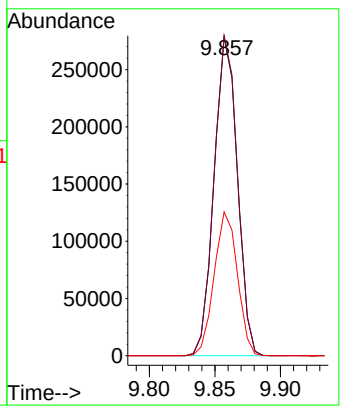


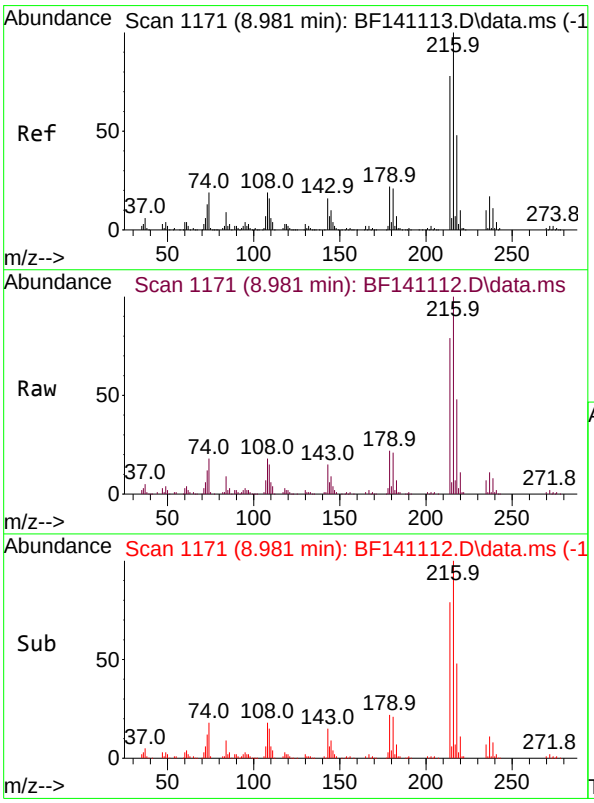
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:164 Resp: 342827

Ion	Ratio	Lower	Upper
164	100		
162	100.5	81.0	121.4
160	45.1	36.1	54.1

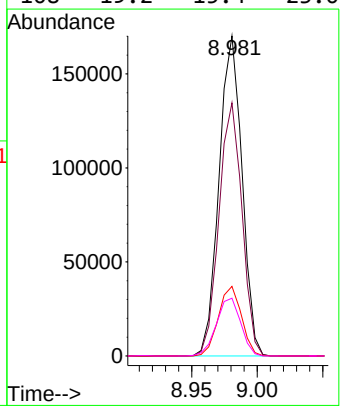


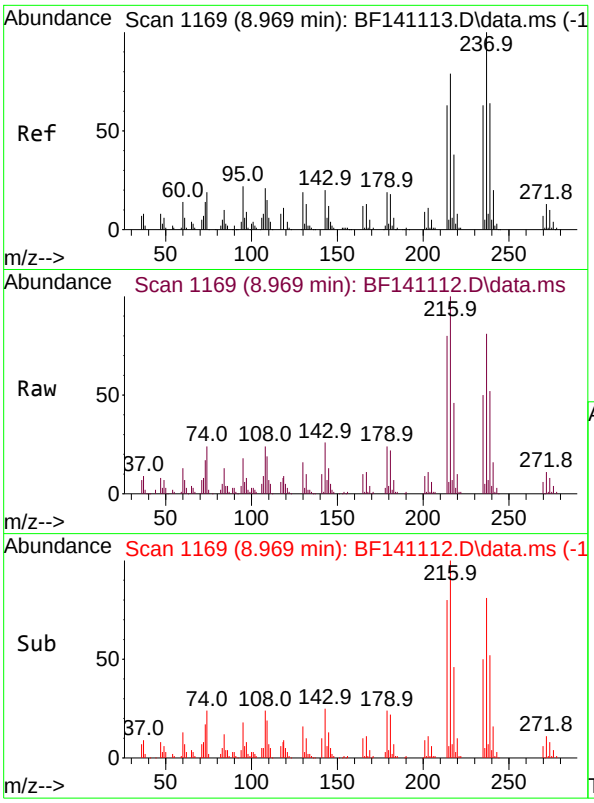


#40
1,2,4,5-Tetrachlorobenzene
Concen: 21.053 ng
RT: 8.981 min Scan# 1171
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:216 Resp: 207159

Ion	Ratio	Lower	Upper
216	100		
214	79.1	62.6	94.0
179	21.8	17.7	26.5
108	19.2	15.4	23.0



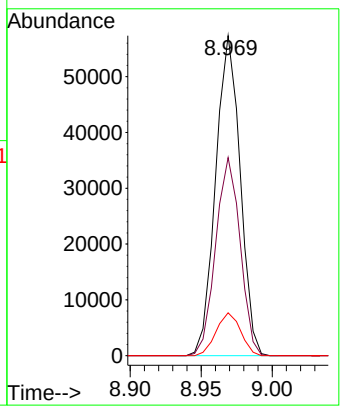


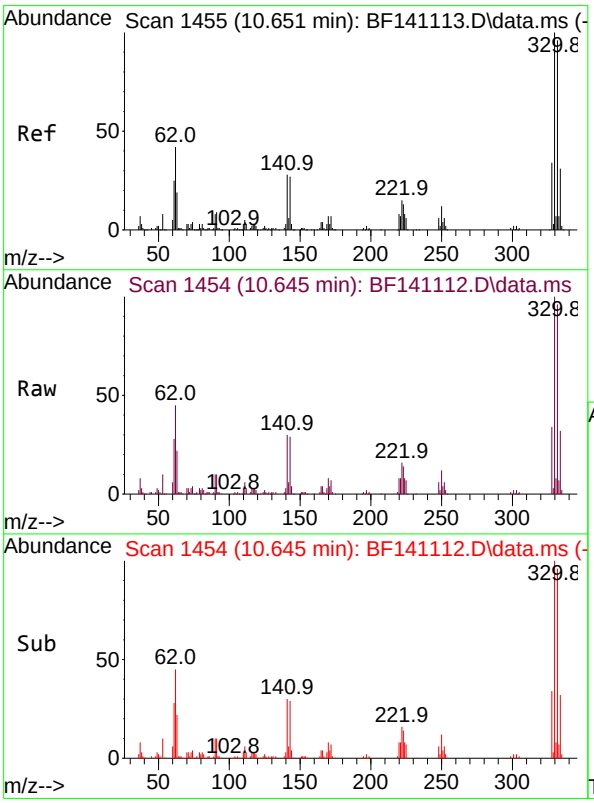
#41
Hexachlorocyclopentadiene
Concen: 21.381 ng
RT: 8.969 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:237 Resp: 68830

Ion	Ratio	Lower	Upper
237	100		
235	61.9	43.0	83.0
272	13.4	0.0	33.0

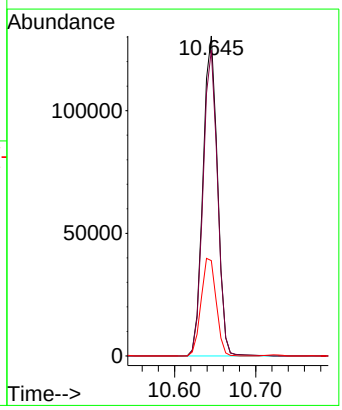


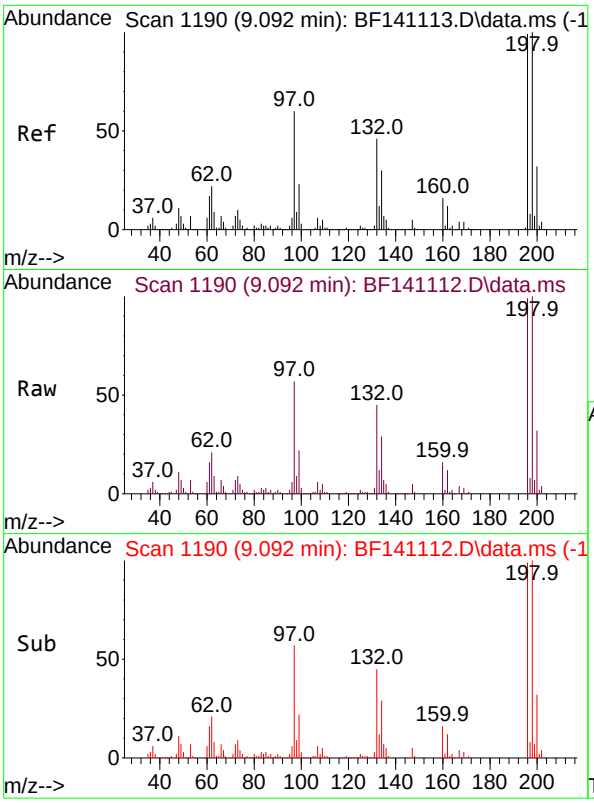


#42
2,4,6-Tribromophenol
Concen: 41.297 ng
RT: 10.645 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:330 Resp: 161318

Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.9	115.3
141	31.8	25.2	37.8



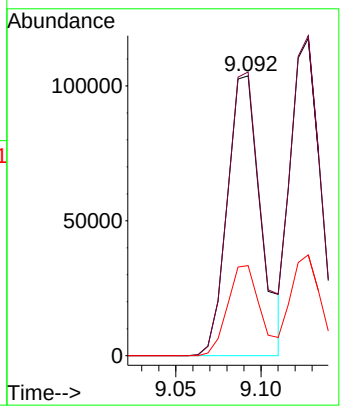


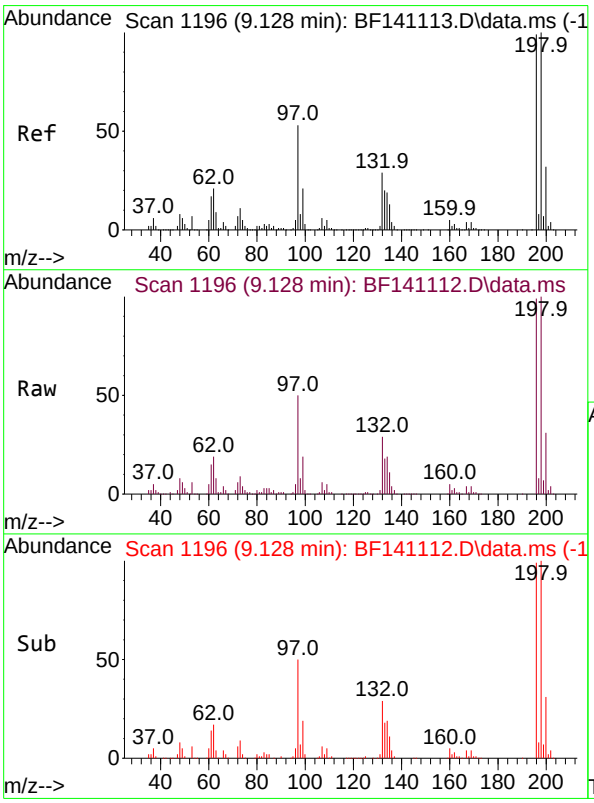
#43
2,4,6-Trichlorophenol
Concen: 21.263 ng
RT: 9.092 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:196 Resp: 141110

Ion	Ratio	Lower	Upper
196	100		
198	101.3	80.8	121.2
200	32.2	25.7	38.5

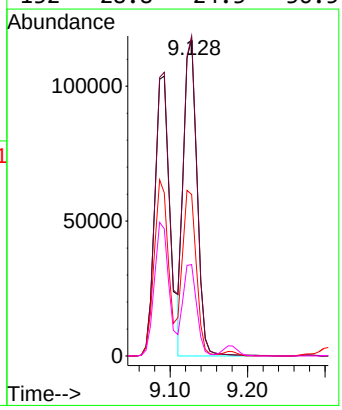


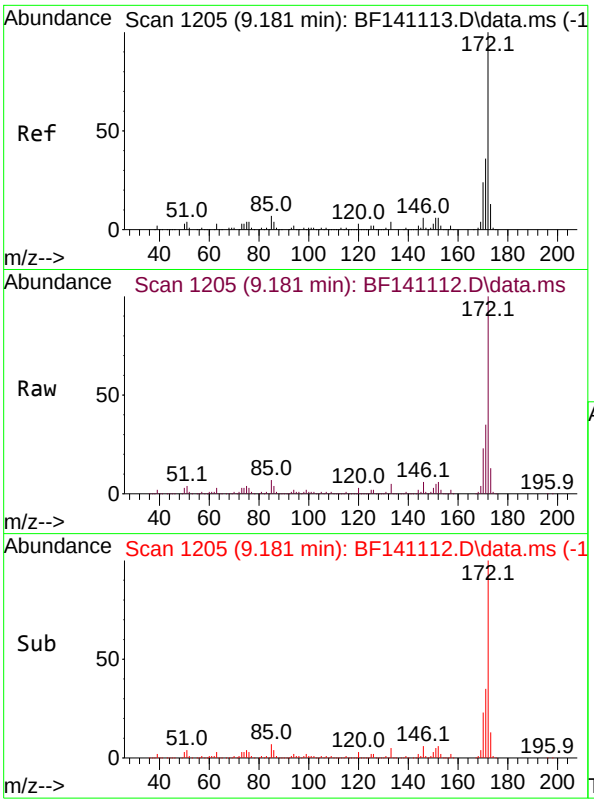


#44
2,4,5-Trichlorophenol
Concen: 20.463 ng
RT: 9.128 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:196 Resp: 143420

Ion	Ratio	Lower	Upper
196	100		
198	100.8	80.6	120.8
97	50.9	43.1	64.7
132	28.8	24.3	36.5



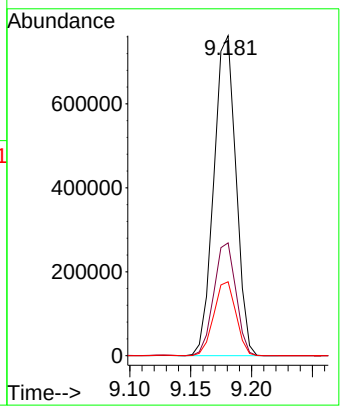


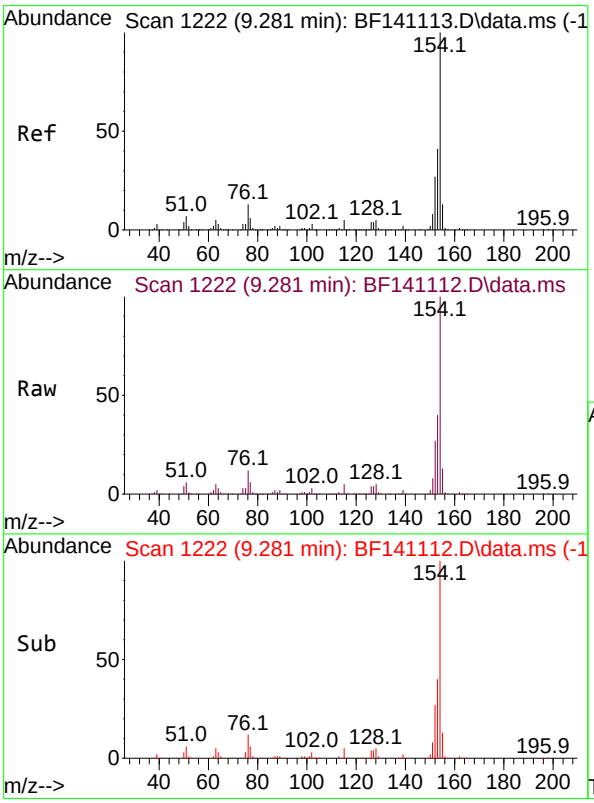
#45
2-Fluorobiphenyl
Concen: 43.009 ng
RT: 9.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:172 Resp: 965569

Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.7	43.1
170	23.1	19.0	28.6

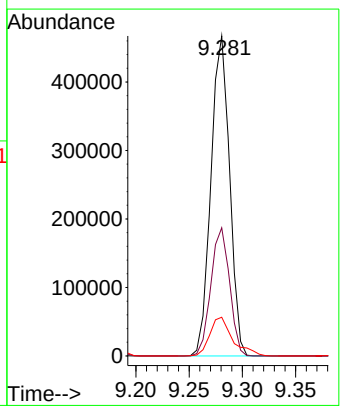


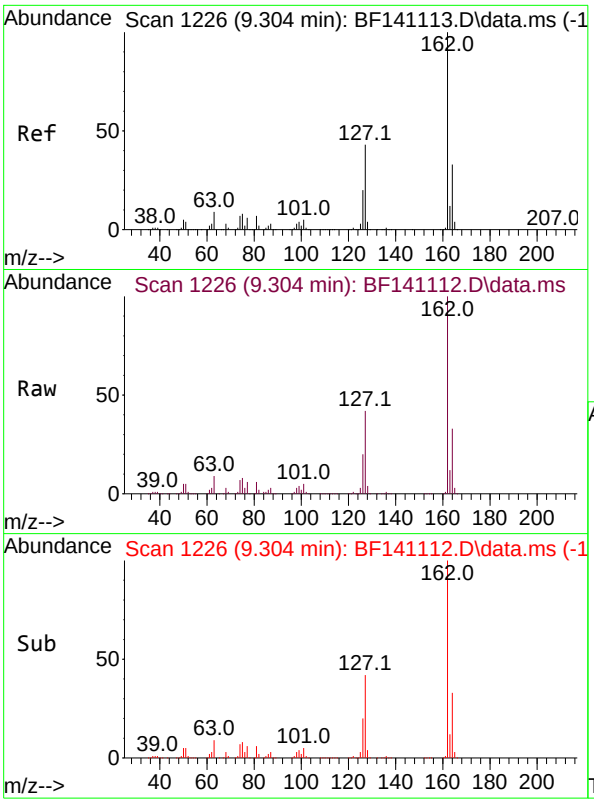


#46
1,1'-Biphenyl
Concen: 21.294 ng
RT: 9.281 min Scan# 1222
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:154 Resp: 566930

Ion	Ratio	Lower	Upper
154	100		
153	40.1	20.7	60.7
76	12.1	0.0	33.1



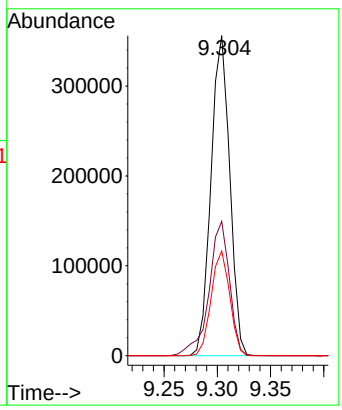


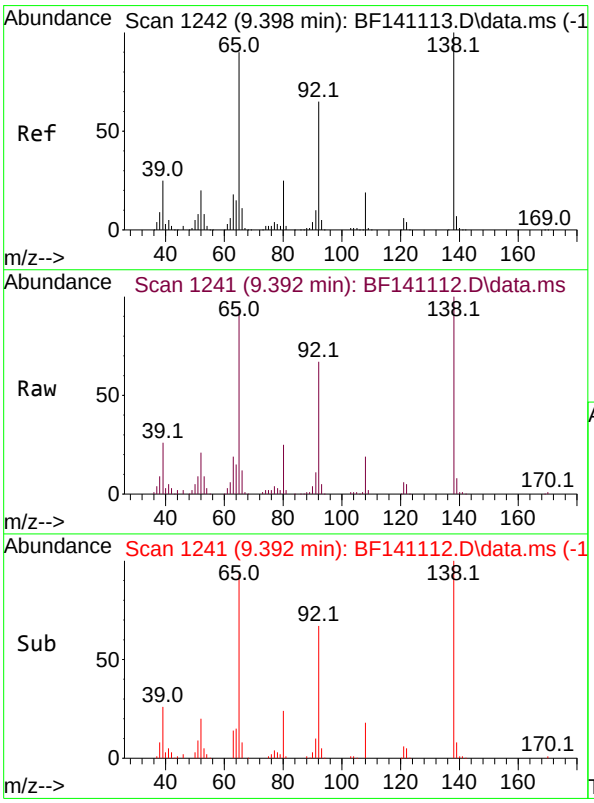
#47
2-Chloronaphthalene
Concen: 21.045 ng
RT: 9.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 436413

Ion	Ratio	Lower	Upper
162	100		
127	42.0	34.6	51.8
164	32.7	26.5	39.7

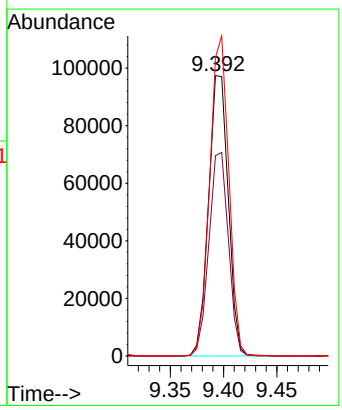


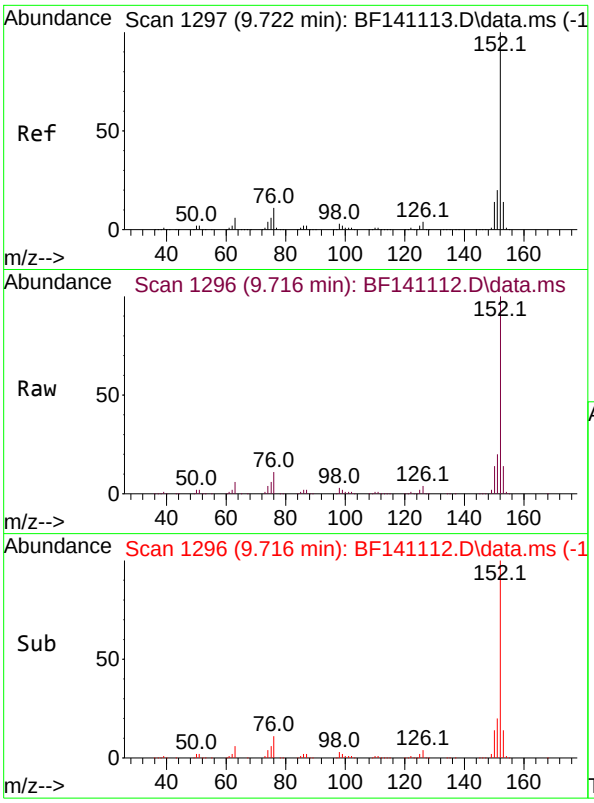


#48
2-Nitroaniline
Concen: 20.379 ng
RT: 9.392 min Scan# 1241
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion: 65 Resp: 125270

Ion	Ratio	Lower	Upper
65	100		
92	71.4	58.3	87.5
138	106.4	89.1	133.7



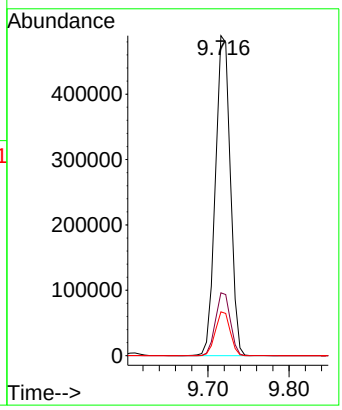


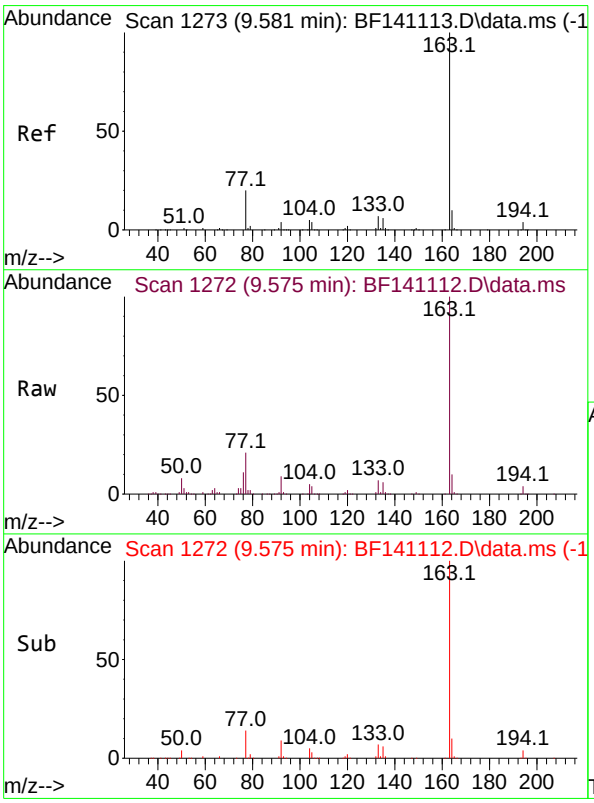
#49
Acenaphthylene
Concen: 21.182 ng
RT: 9.716 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 627543

Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.1	24.1
153	13.7	11.1	16.7

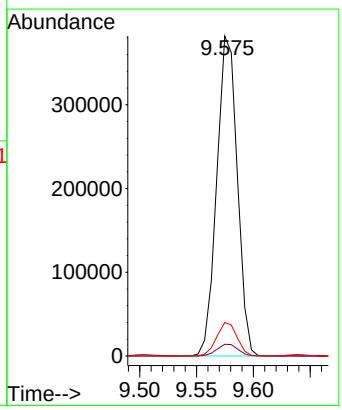


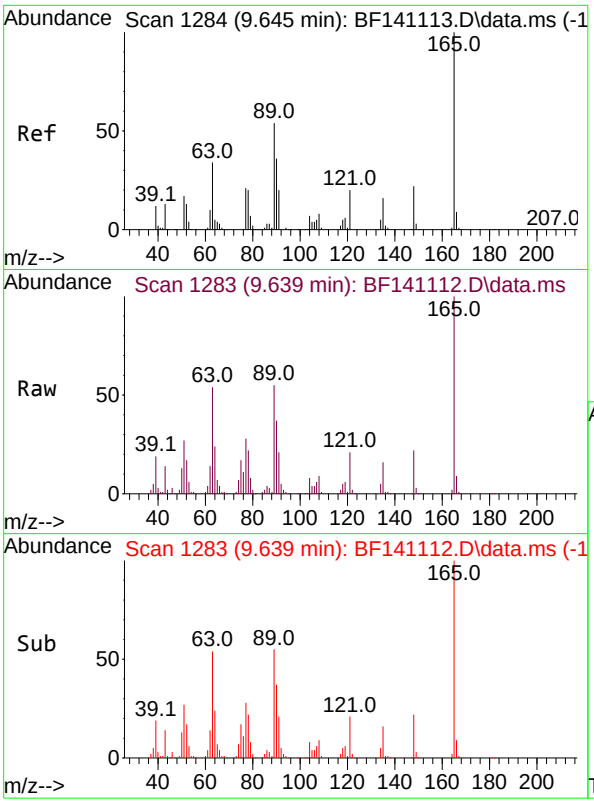


#50
Dimethylphthalate
Concen: 20.907 ng
RT: 9.575 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:163 Resp: 481191

Ion	Ratio	Lower	Upper
163	100		
194	3.7	3.0	4.6
164	10.4	8.2	12.4



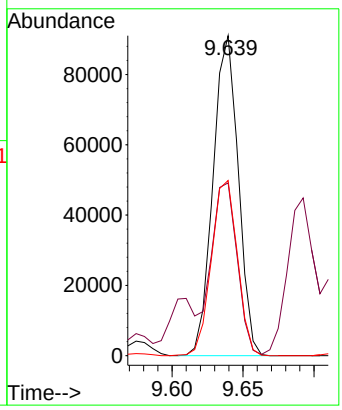


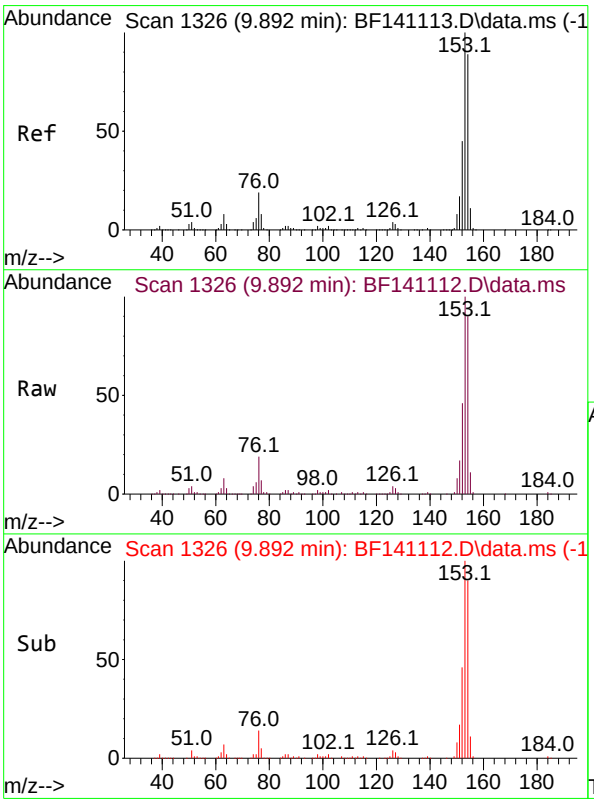
#51
2,6-Dinitrotoluene
Concen: 21.038 ng
RT: 9.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 112600

Ion	Ratio	Lower	Upper
165	100		
63	54.0	42.3	63.5
89	54.7	43.1	64.7

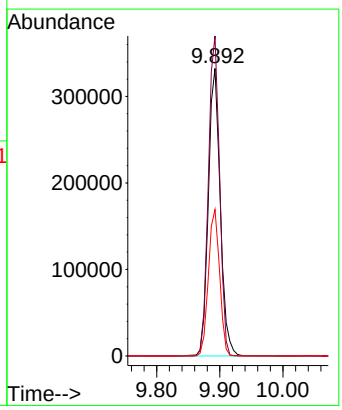


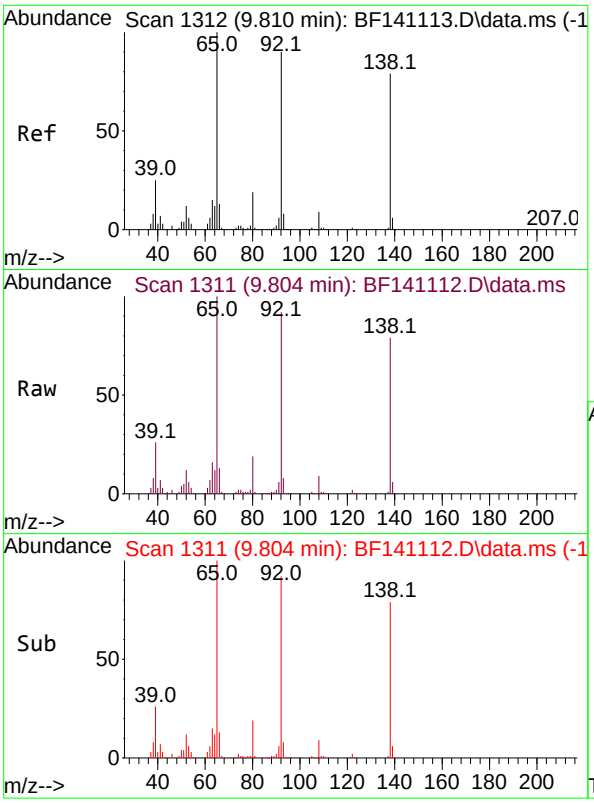


#52
Acenaphthene
Concen: 21.094 ng
RT: 9.892 min Scan# 1326
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:154 Resp: 436615

Ion	Ratio	Lower	Upper
154	100		
153	111.3	89.8	134.6
152	50.9	40.8	61.2



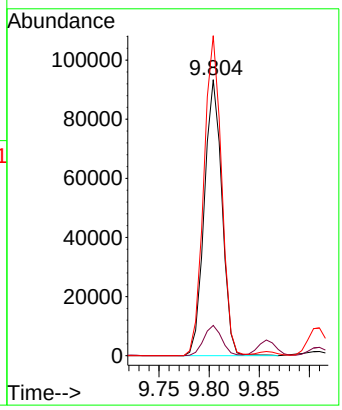


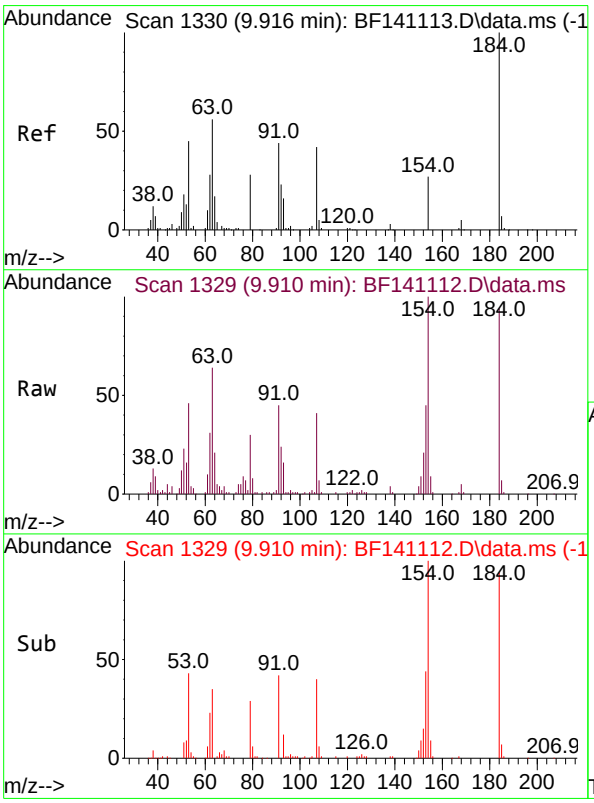
#53
3-Nitroaniline
Concen: 20.994 ng
RT: 9.804 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:138 Resp: 114181

Ion	Ratio	Lower	Upper
138	100		
108	10.9	8.8	13.2
92	116.0	91.3	136.9

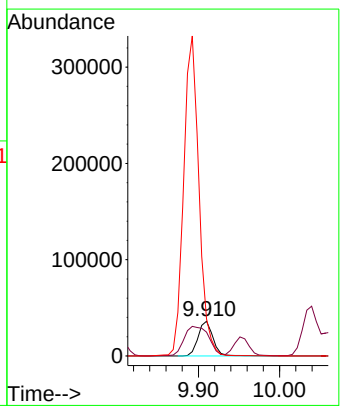


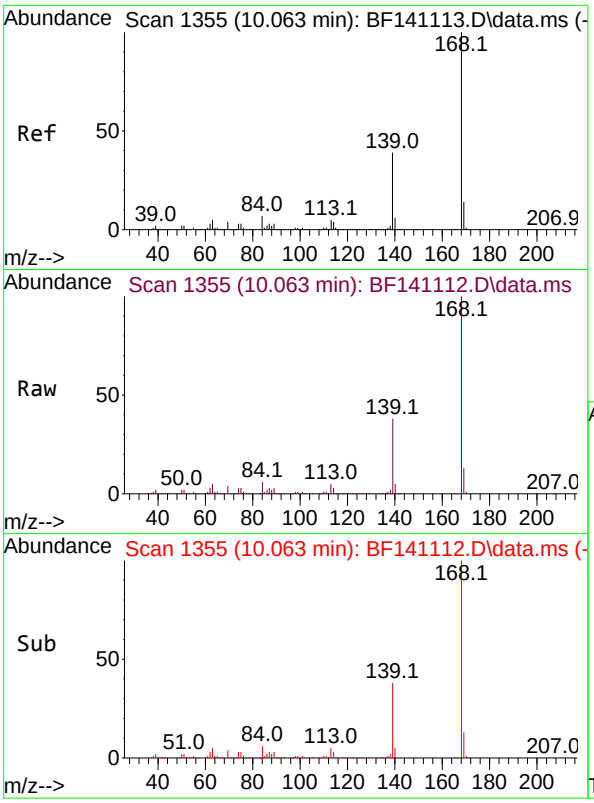


#54
2,4-Dinitrophenol
Concen: 17.982 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:184 Resp: 45746

Ion	Ratio	Lower	Upper
184	100		
63	68.6	48.7	73.1
154	106.9	57.1	85.7#



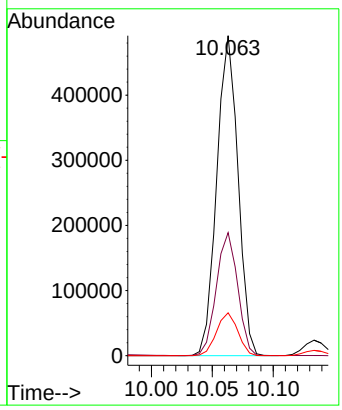


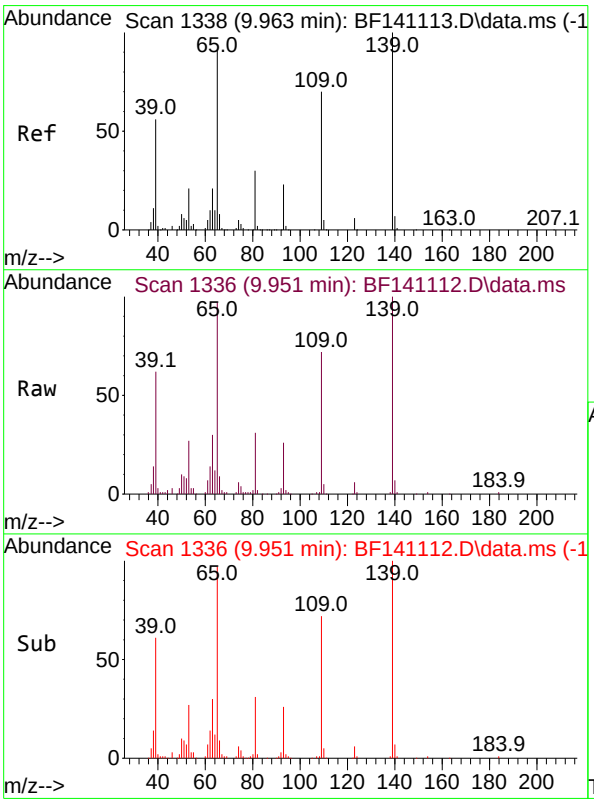
#55
Dibenzofuran
Concen: 21.167 ng
RT: 10.063 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:168 Resp: 595943

Ion	Ratio	Lower	Upper
168	100		
139	38.5	31.4	47.0
169	13.4	10.9	16.3

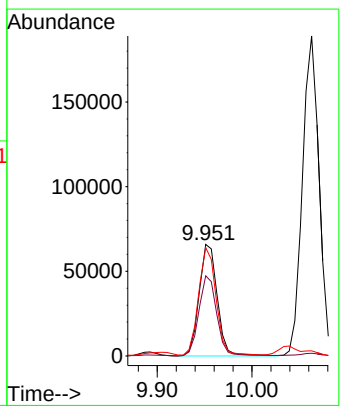


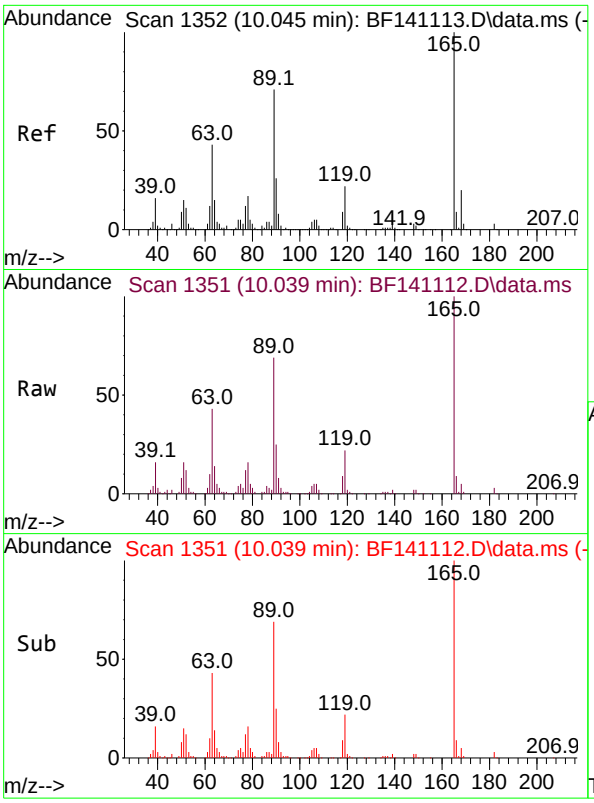


#56
4-Nitrophenol
Concen: 20.509 ng
RT: 9.951 min Scan# 1336
Delta R.T. -0.012 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:139 Resp: 87361

Ion	Ratio	Lower	Upper
139	100		
109	71.9	50.2	90.2
65	97.2	72.1	112.1



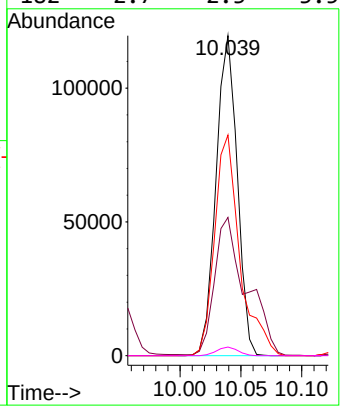


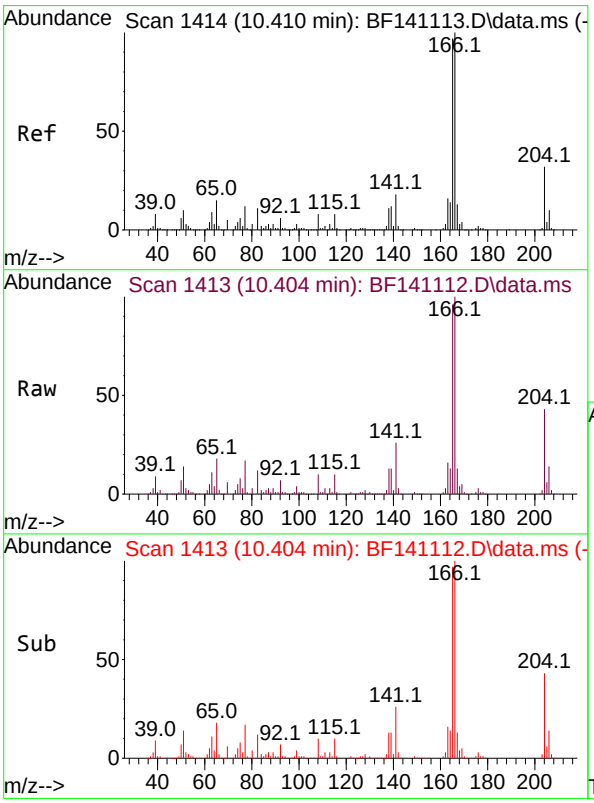
#57
2,4-Dinitrotoluene
Concen: 21.023 ng
RT: 10.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 145002

Ion	Ratio	Lower	Upper
165	100		
63	43.2	35.0	52.4
89	68.9	56.7	85.1
182	2.7	2.3	3.5

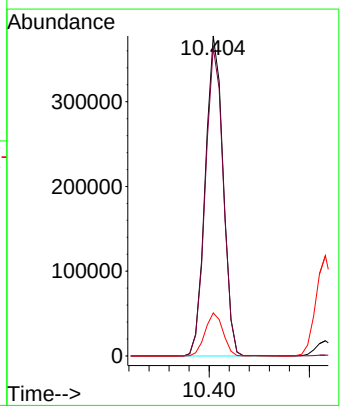


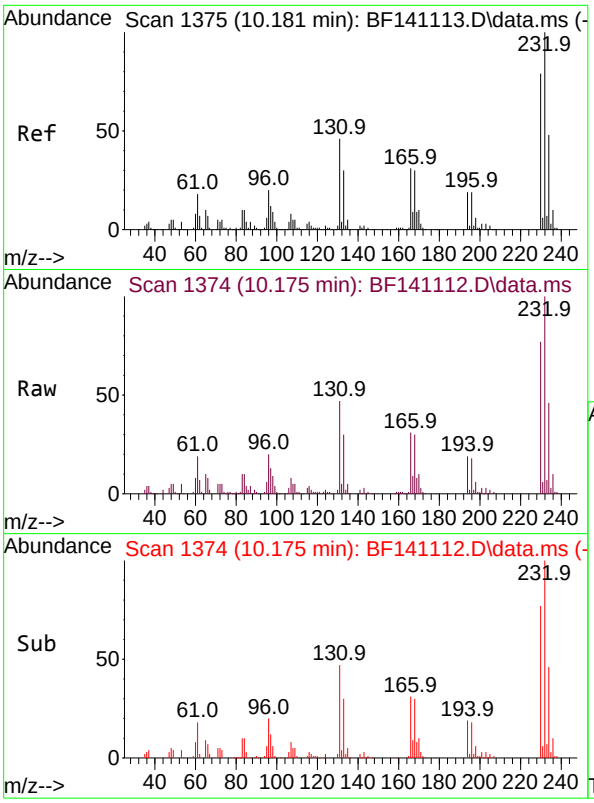


#58
Fluorene
Concen: 21.305 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:166 Resp: 465998

Ion	Ratio	Lower	Upper
166	100		
165	96.5	77.8	116.8
167	13.5	10.8	16.2



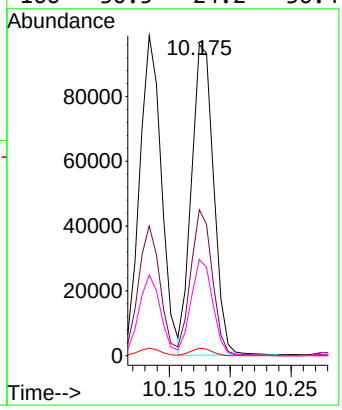


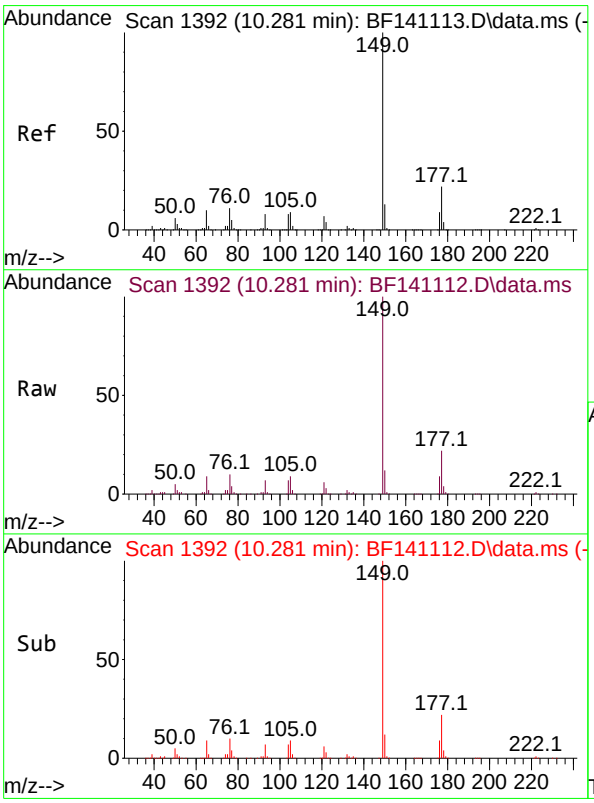
#59
2,3,4,6-Tetrachlorophenol
Concen: 20.823 ng
RT: 10.175 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:232 Resp: 121311

Ion	Ratio	Lower	Upper
232	100		
131	45.8	36.2	54.4
130	2.3	2.0	3.0
166	30.5	24.2	36.4

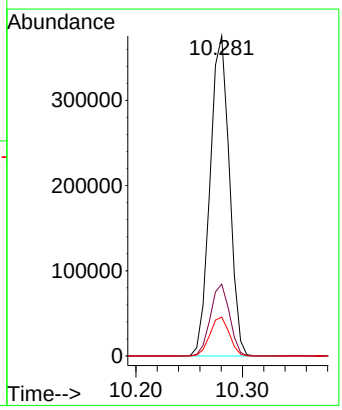


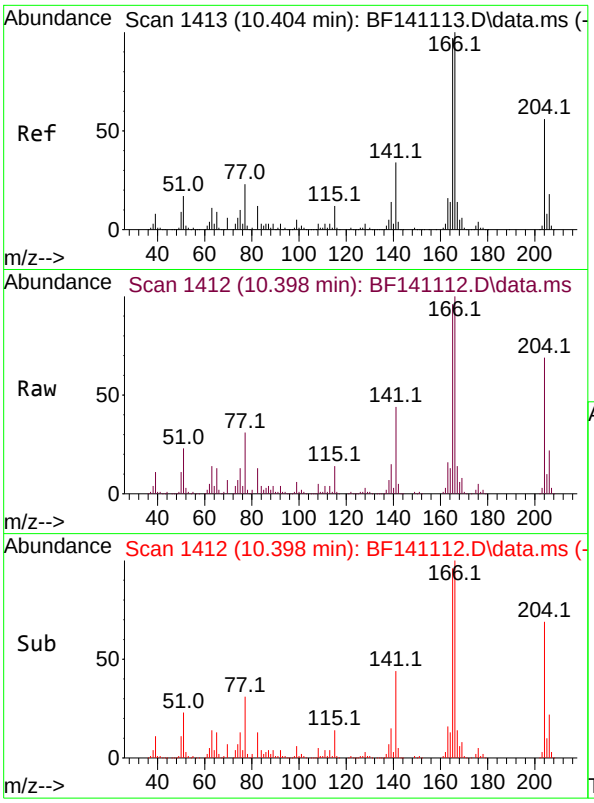


#60
Diethylphthalate
Concen: 21.028 ng
RT: 10.281 min Scan# 1392
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:149 Resp: 472480

Ion	Ratio	Lower	Upper
149	100		
177	22.4	17.9	26.9
150	12.2	10.2	15.2



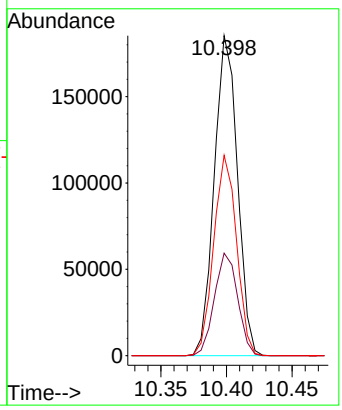


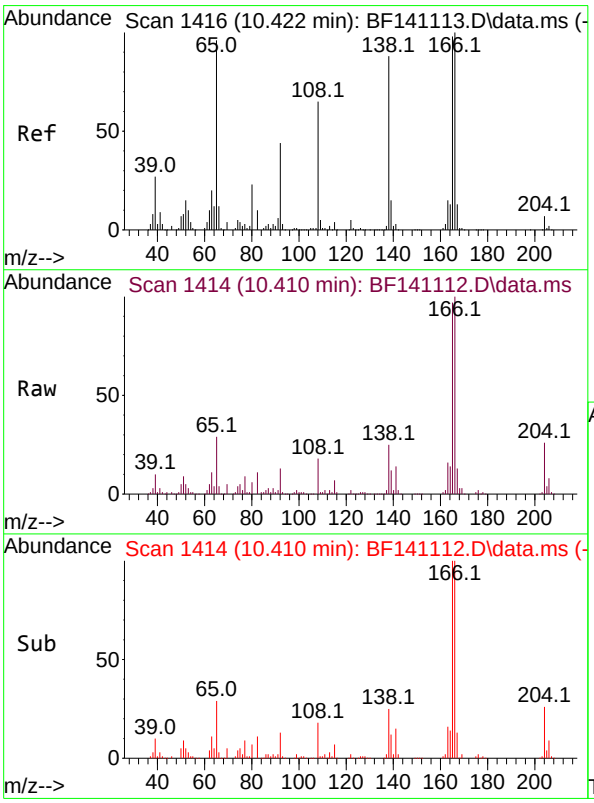
#61
4-Chlorophenyl-phenylether
Concen: 21.317 ng
RT: 10.398 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:204 Resp: 227252

Ion	Ratio	Lower	Upper
204	100		
206	32.1	25.9	38.9
141	62.6	49.1	73.7

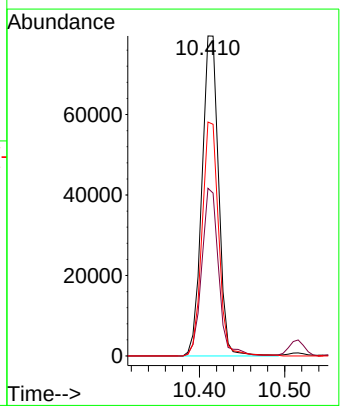


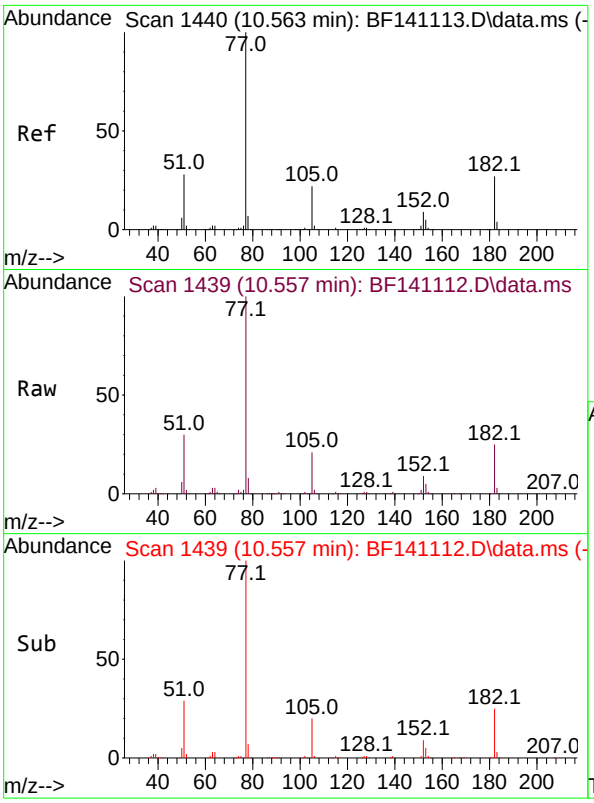


#62
4-Nitroaniline
Concen: 20.305 ng
RT: 10.410 min Scan# 1414
Delta R.T. -0.012 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:138 Resp: 108089

Ion	Ratio	Lower	Upper
138	100		
92	52.4	29.4	69.4
108	73.1	53.7	93.7



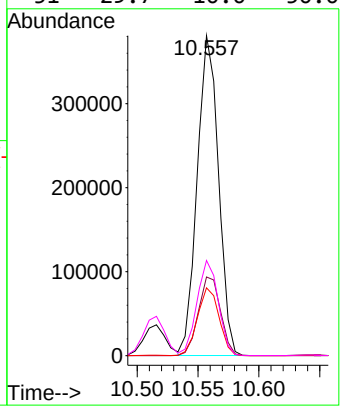


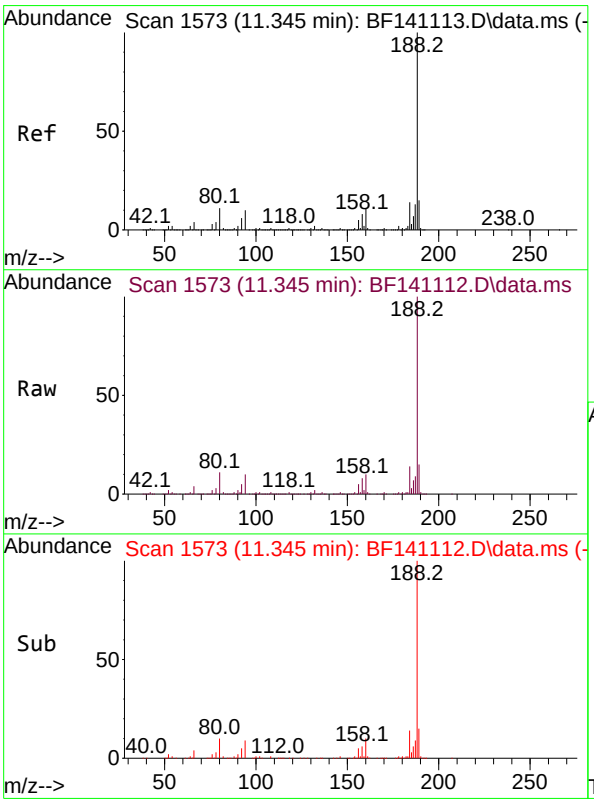
#63
Azobenzene
Concen: 20.915 ng
RT: 10.557 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 463688

Ion	Ratio	Lower	Upper
77	100		
182	24.6	6.1	46.1
105	21.2	2.1	42.1
51	29.7	10.0	50.0

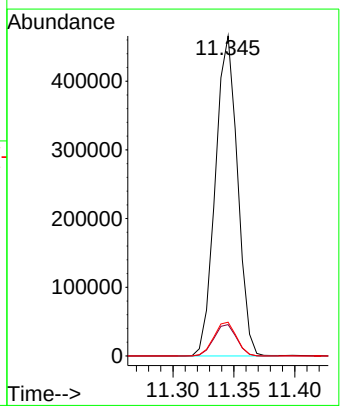


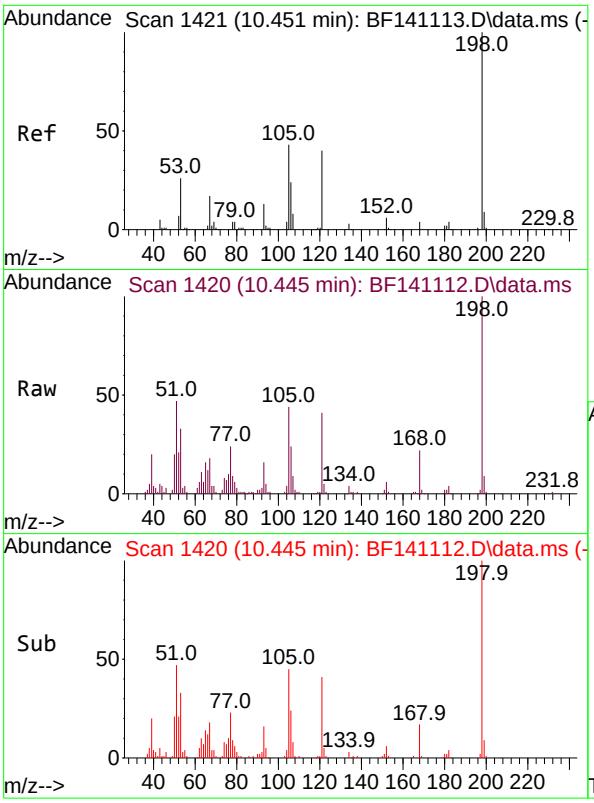


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:188 Resp: 590333

Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.3	12.5
80	10.5	9.0	13.4



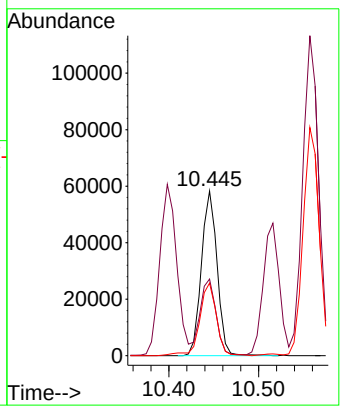


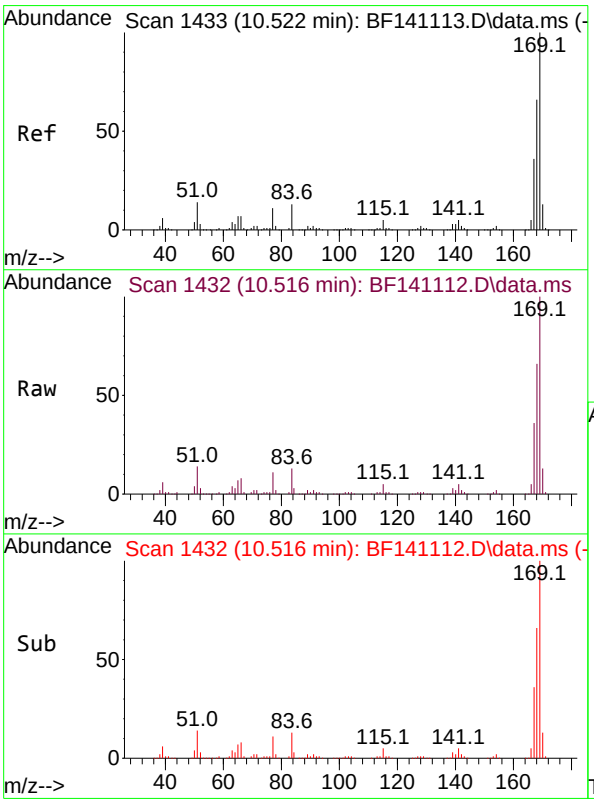
#65
4,6-Dinitro-2-methylphenol
Concen: 20.638 ng
RT: 10.445 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:198 Resp: 70598

Ion	Ratio	Lower	Upper
198	100		
51	46.6	27.1	67.1
105	44.1	24.2	64.2

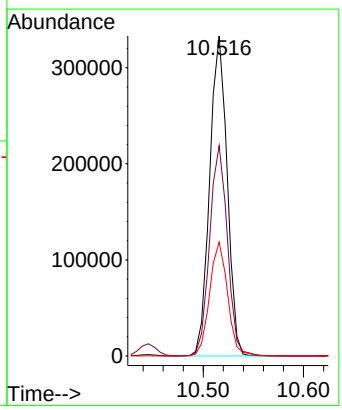


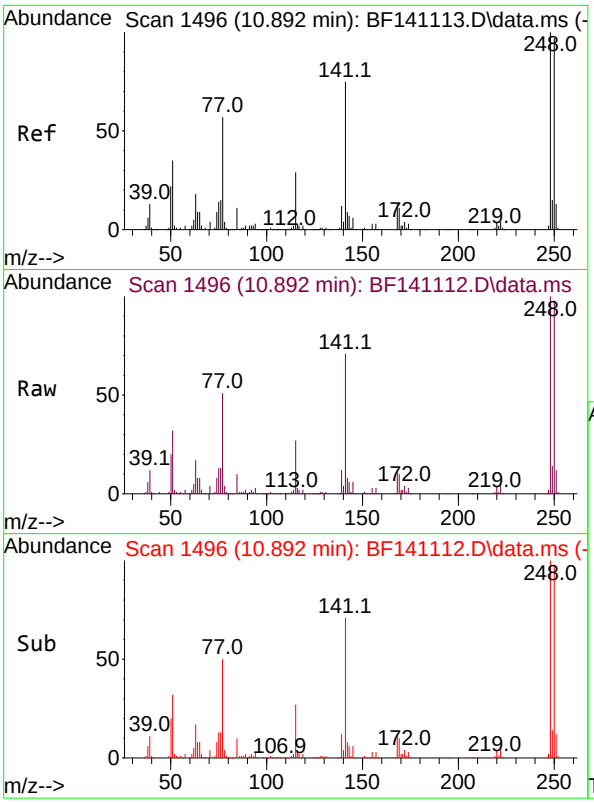


#66
n-Nitrosodiphenylamine
Concen: 21.188 ng
RT: 10.516 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:169 Resp: 403436

Ion	Ratio	Lower	Upper
169	100		
168	65.8	52.5	78.7
167	35.5	28.9	43.3



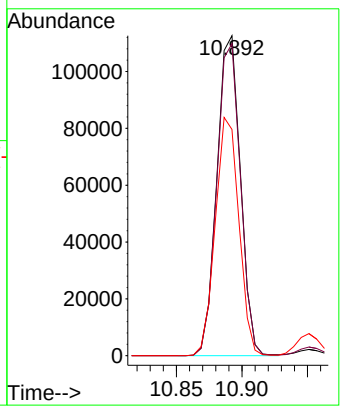


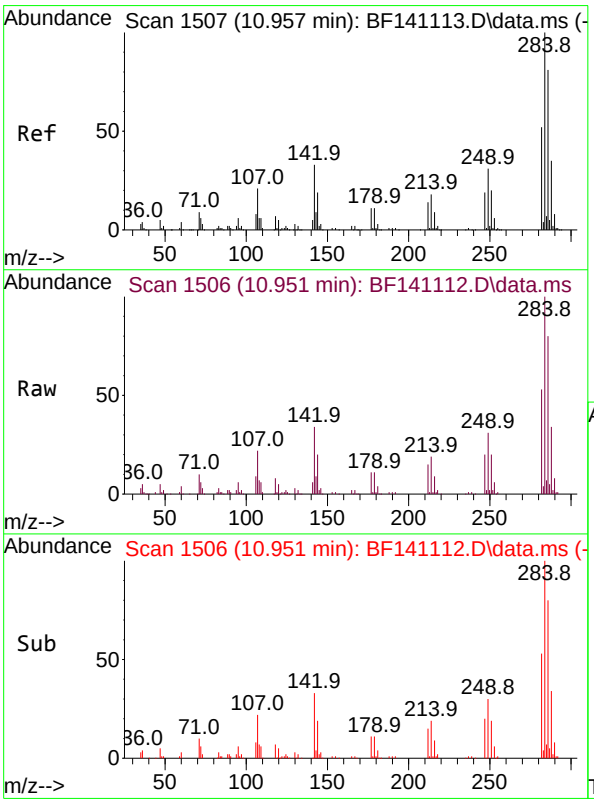
#67
4-Bromophenyl-phenylether
Concen: 20.698 ng
RT: 10.892 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:248 Resp: 140672

Ion	Ratio	Lower	Upper
248	100		
250	97.5	77.9	116.9
141	70.7	59.9	89.9

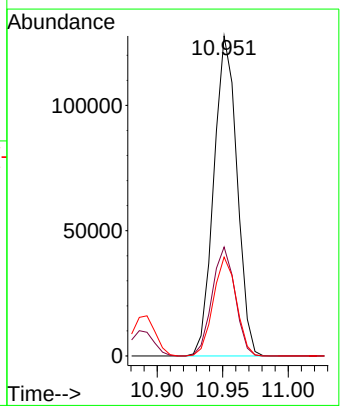


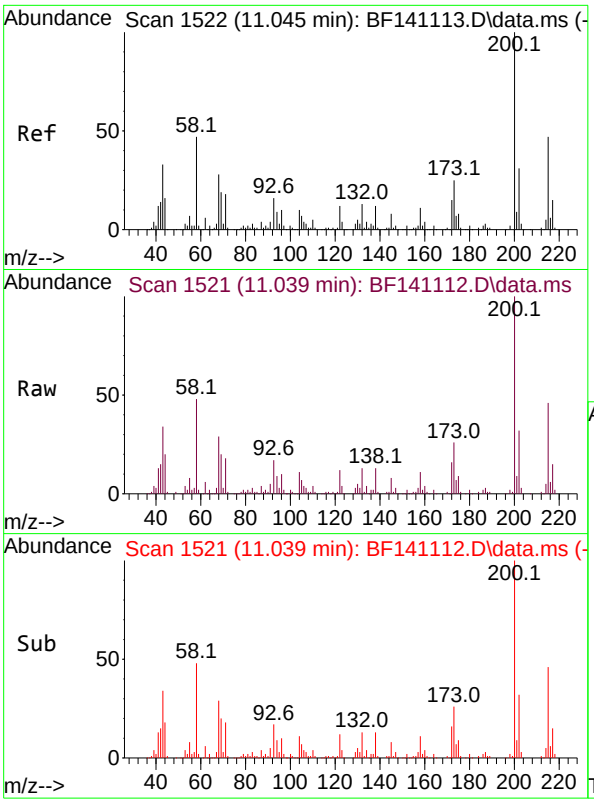


#68
Hexachlorobenzene
Concen: 20.721 ng
RT: 10.951 min Scan# 1506
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:284 Resp: 156770

Ion	Ratio	Lower	Upper
284	100		
142	34.1	26.3	39.5
249	30.9	24.9	37.3



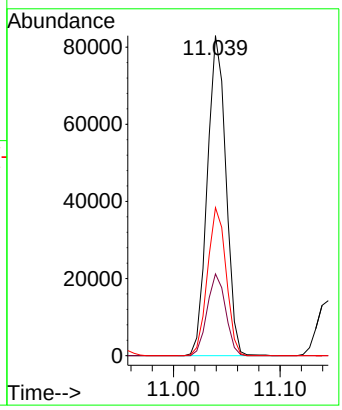


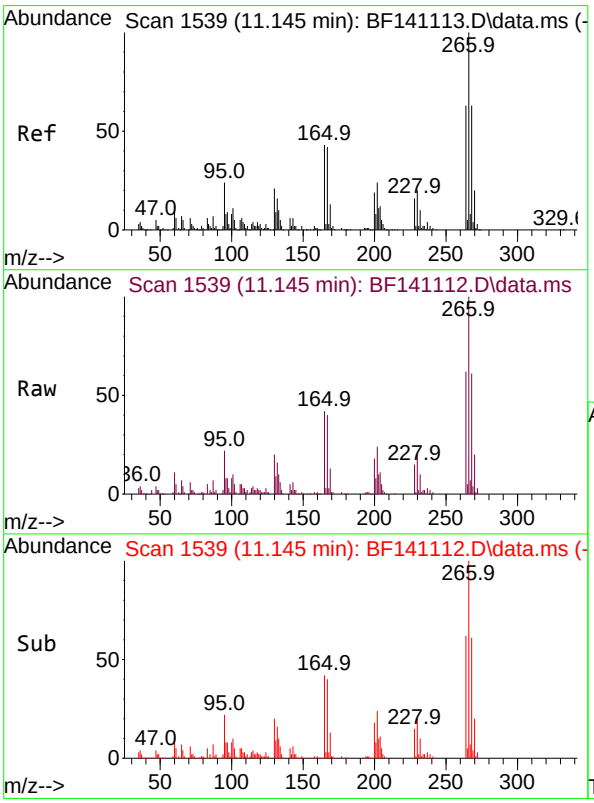
#69
Atrazine
Concen: 19.607 ng
RT: 11.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:200 Resp: 100524

Ion	Ratio	Lower	Upper
200	100		
173	25.6	5.4	45.4
215	46.2	26.6	66.6

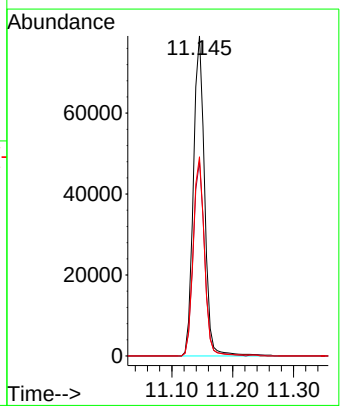


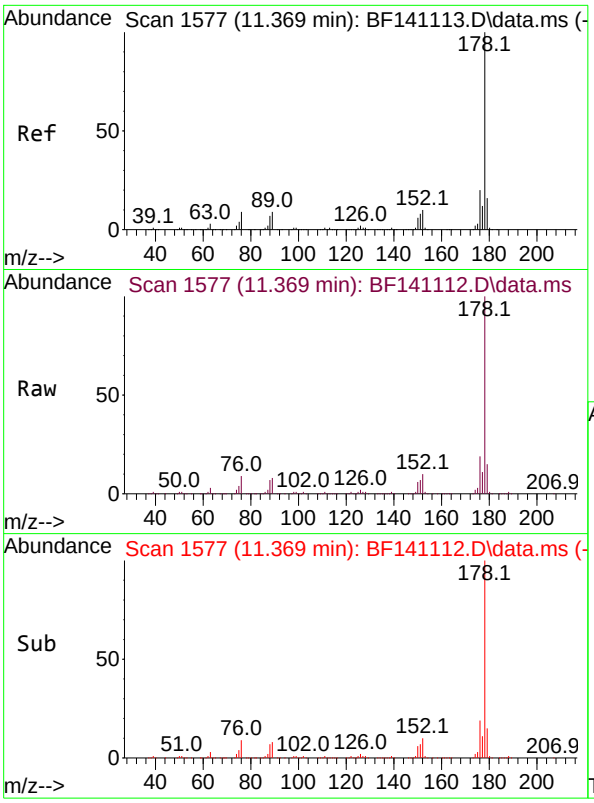


#70
Pentachlorophenol
Concen: 20.837 ng
RT: 11.145 min Scan# 1539
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:266 Resp: 100960

Ion	Ratio	Lower	Upper
266	100		
268	60.8	50.4	75.6
264	62.2	50.2	75.2



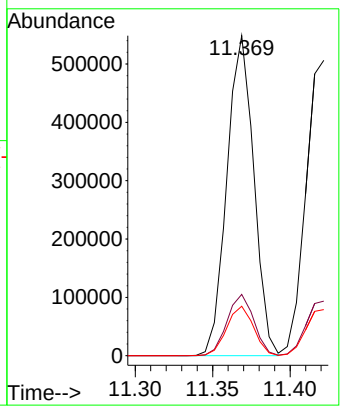


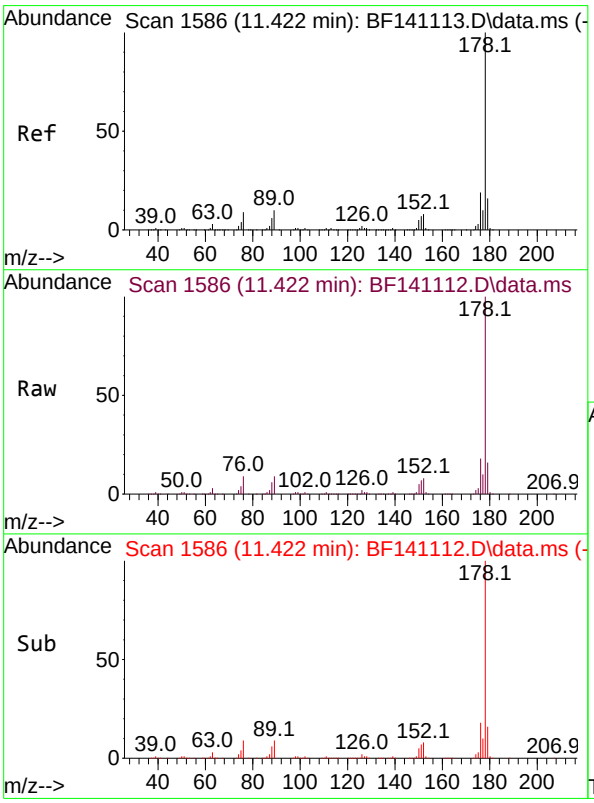
#71
Phenanthrene
Concen: 20.891 ng
RT: 11.369 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:178 Resp: 662092

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.7	23.5
179	15.4	12.6	19.0

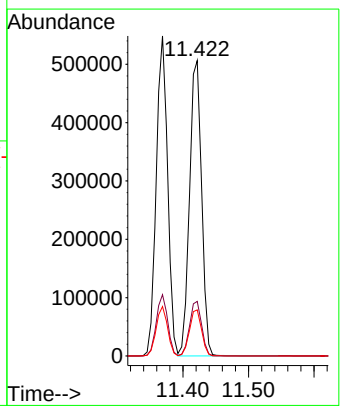


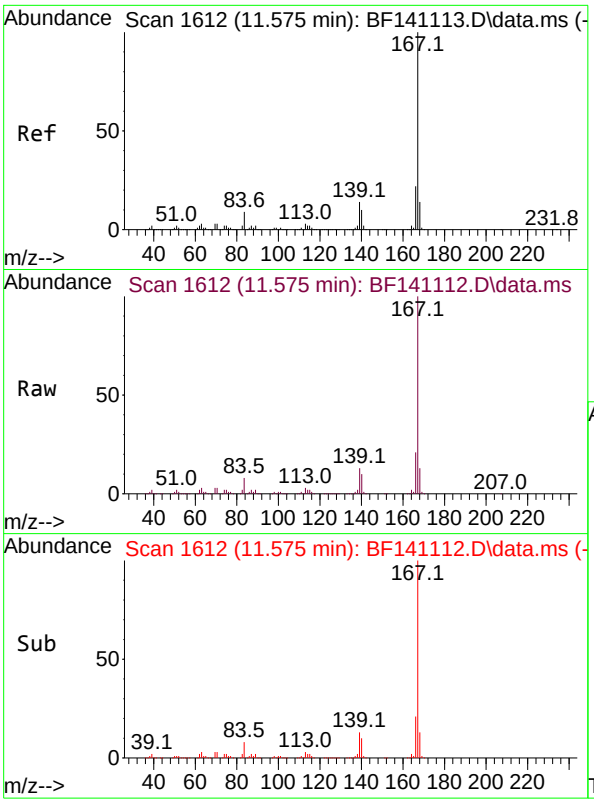


#72
Anthracene
Concen: 20.983 ng
RT: 11.422 min Scan# 1586
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:178 Resp: 646616

Ion	Ratio	Lower	Upper
178	100		
176	18.5	14.9	22.3
179	15.6	12.6	19.0



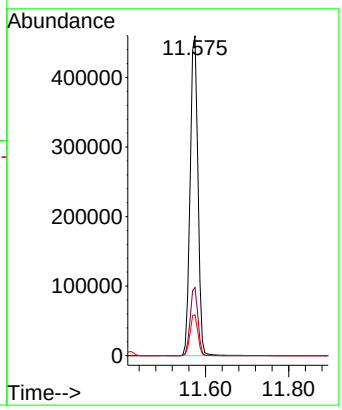


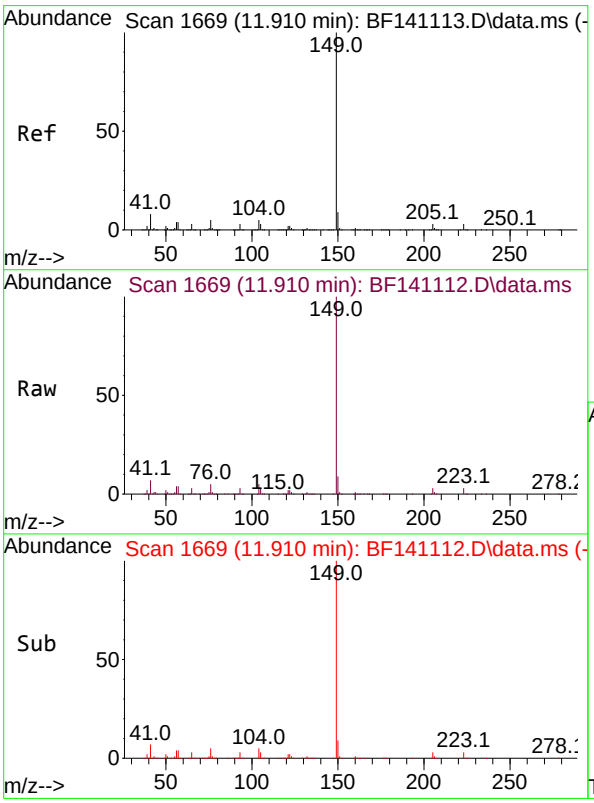
#73
Carbazole
Concen: 21.128 ng
RT: 11.575 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:167 Resp: 597025

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.4	26.2
139	12.8	10.9	16.3

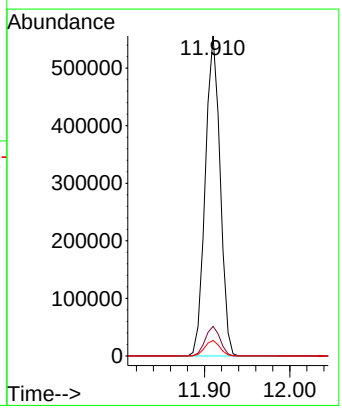


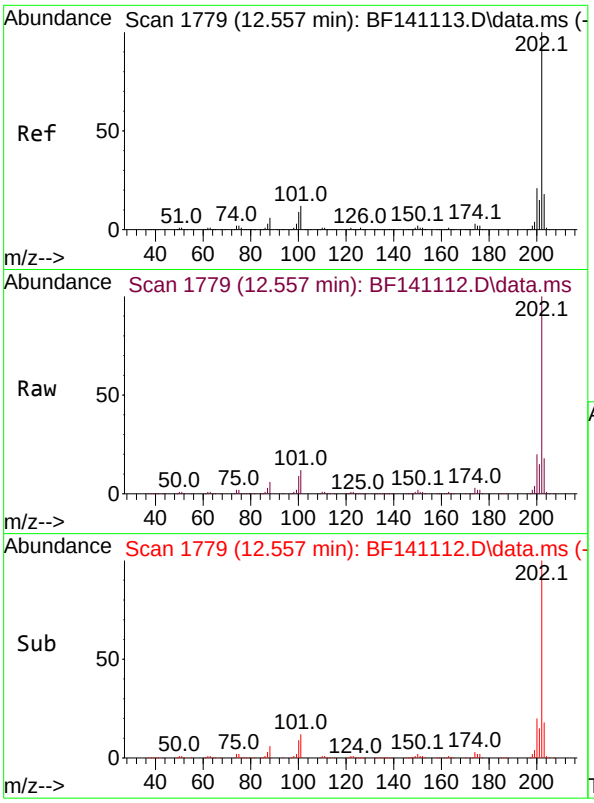


#74
Di-n-butylphthalate
Concen: 20.797 ng
RT: 11.910 min Scan# 1669
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:149 Resp: 672525

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	4.9	4.2	6.2



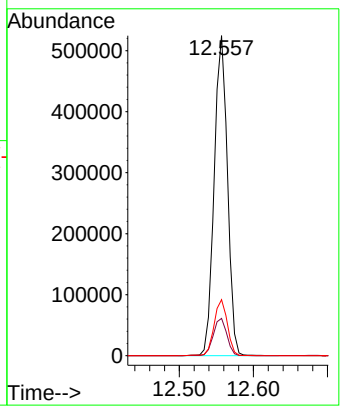


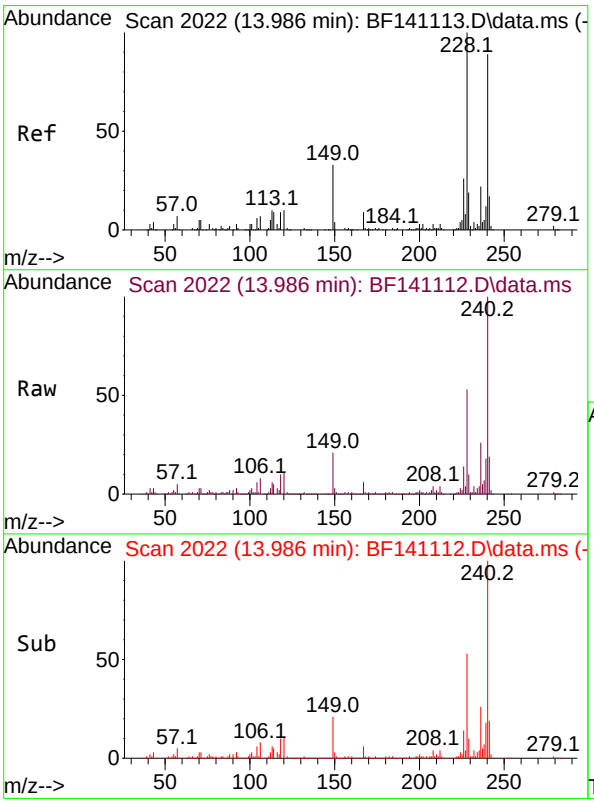
#75
Fluoranthene
Concen: 20.615 ng
RT: 12.557 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:202 Resp: 651977

Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	32.3
203	17.5	0.0	37.7

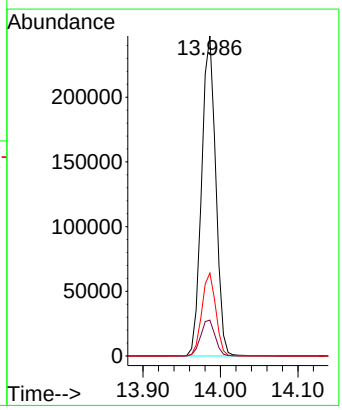


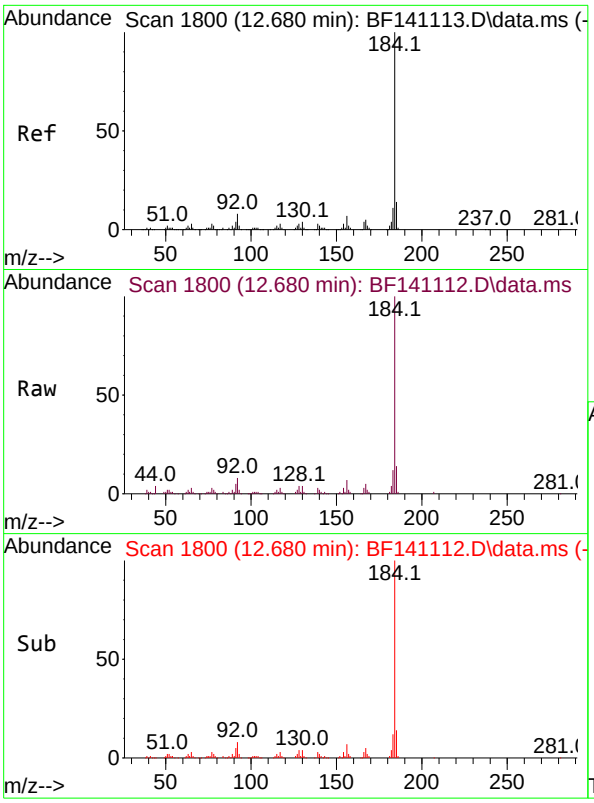


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:240 Resp: 312856

Ion	Ratio	Lower	Upper
240	100		
120	11.2	9.1	13.7
236	25.9	19.8	29.6



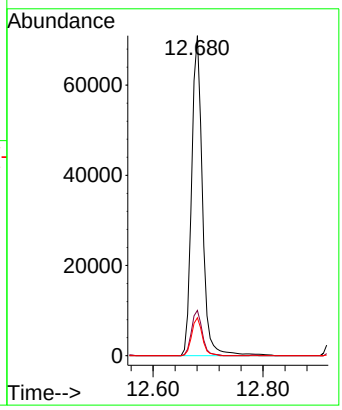


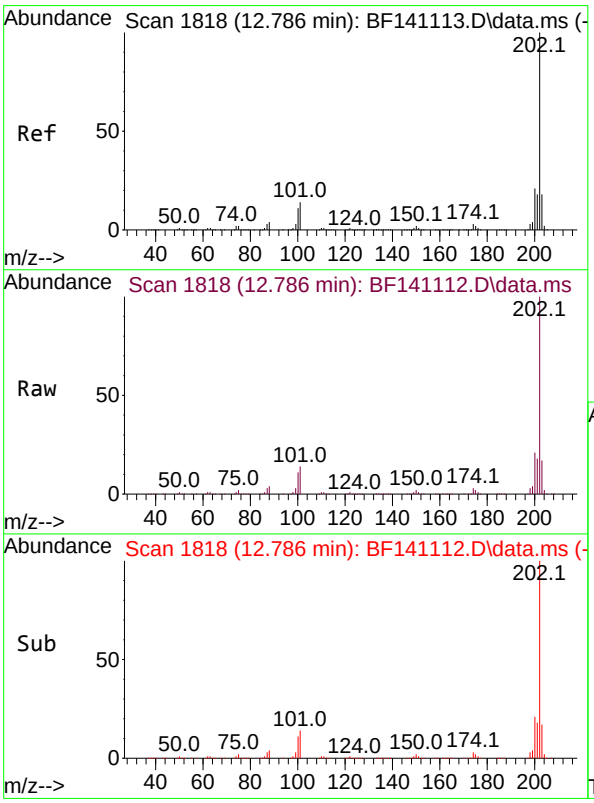
#77
Benzidine
Concen: 16.701 ng
RT: 12.680 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:184 Resp: 96892

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.4	17.0
183	11.8	9.2	13.8

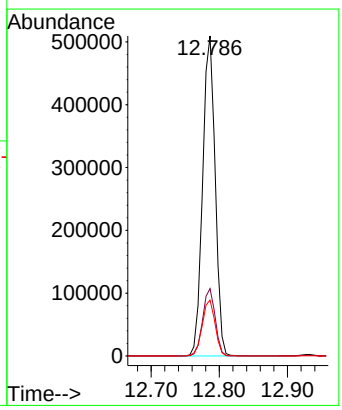


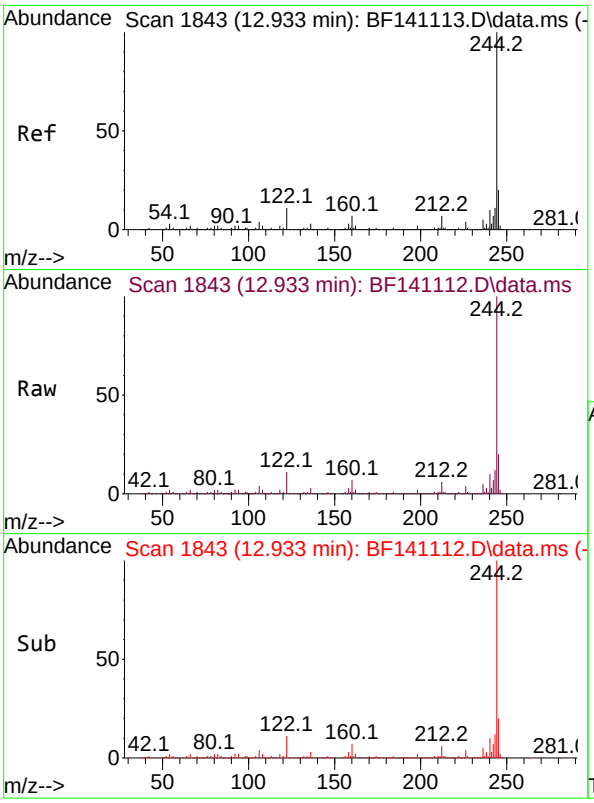


#78
Pyrene
Concen: 21.787 ng
RT: 12.786 min Scan# 1818
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:202 Resp: 651047

Ion	Ratio	Lower	Upper
202	100		
200	21.1	16.8	25.2
203	17.5	14.3	21.5



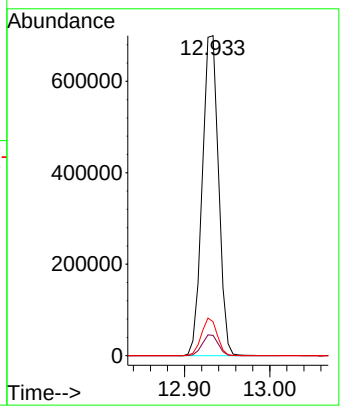


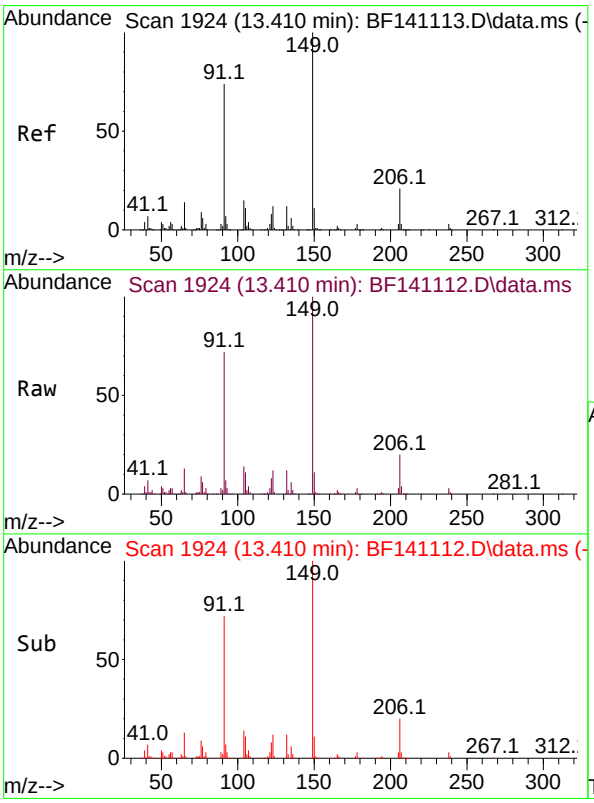
#79
Terphenyl-d14
Concen: 44.086 ng
RT: 12.933 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:244 Resp: 927987

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.2
122	10.6	8.8	13.2

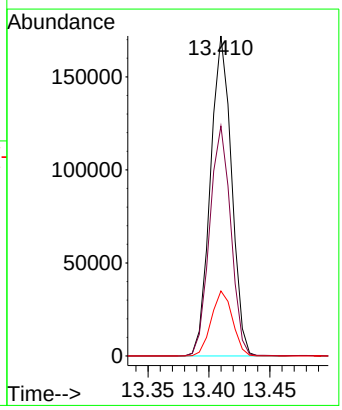


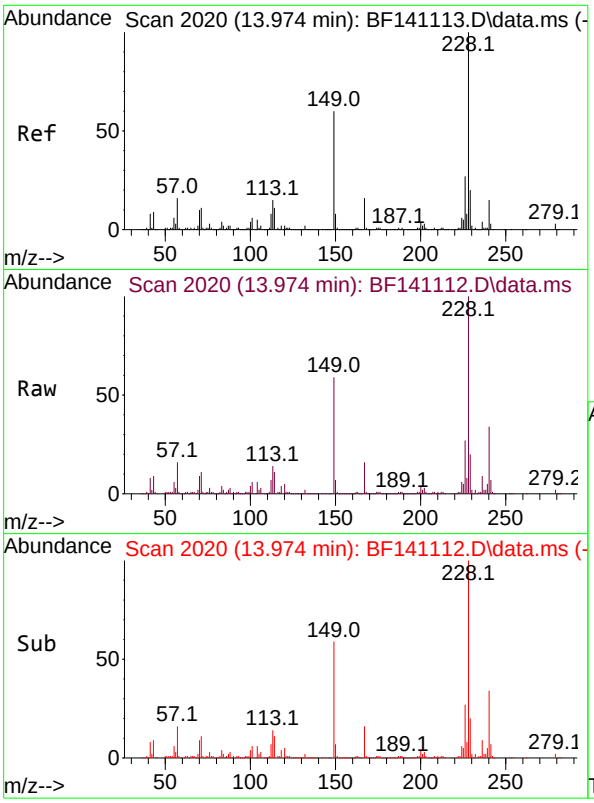


#80
Butylbenzylphthalate
Concen: 20.834 ng
RT: 13.410 min Scan# 1924
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:149 Resp: 207563

Ion	Ratio	Lower	Upper
149	100		
91	71.9	59.0	88.6
206	20.3	16.5	24.7



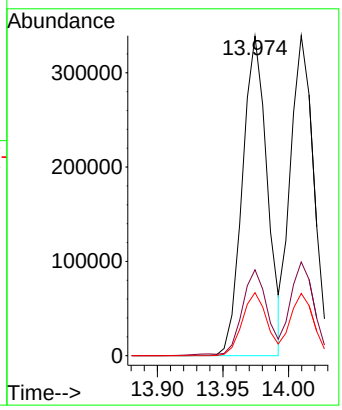


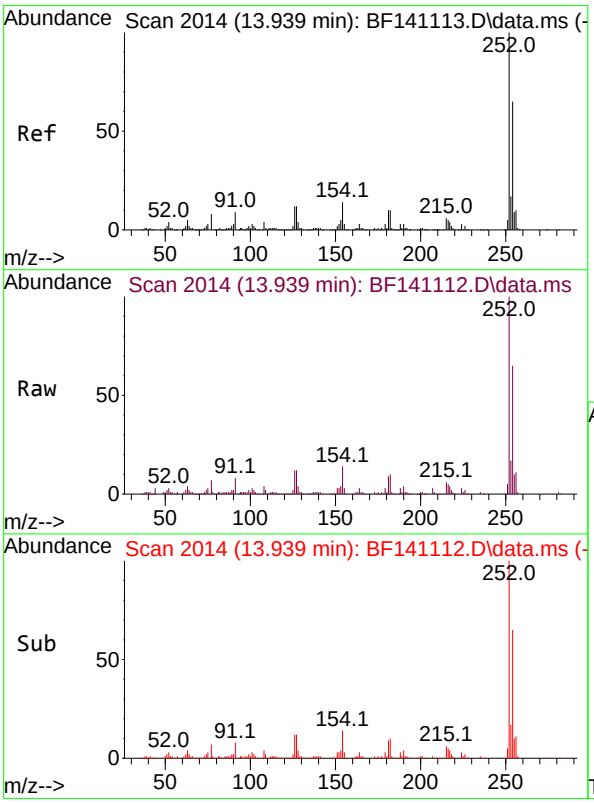
#81
Benzo(a)anthracene
Concen: 20.971 ng
RT: 13.974 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 446504

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.7	32.5
229	19.7	15.7	23.5

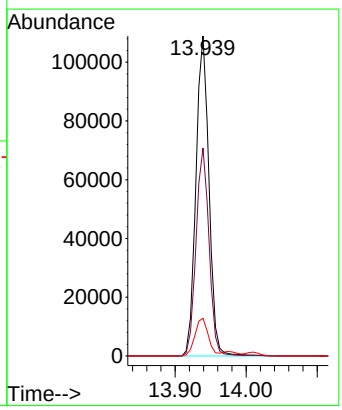


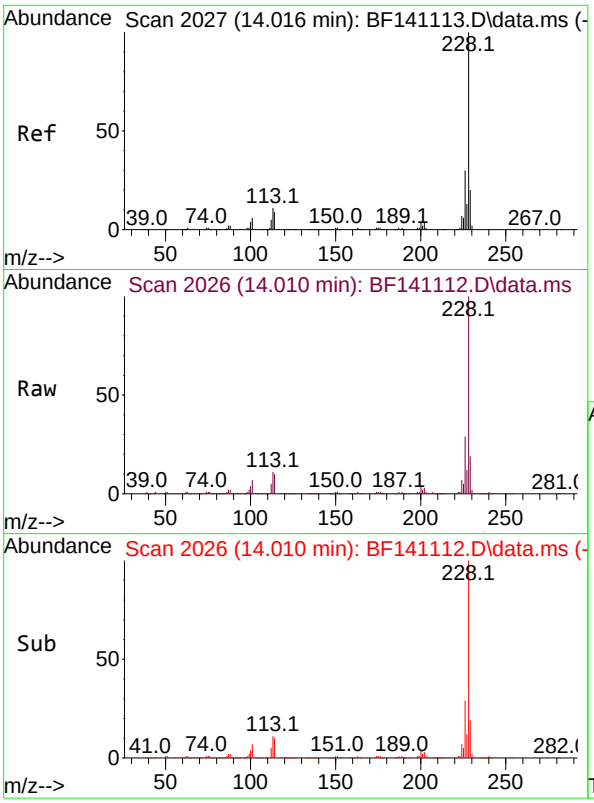


#82
3,3'-Dichlorobenzidine
Concen: 20.510 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:252 Resp: 139050

Ion	Ratio	Lower	Upper
252	100		
254	65.0	52.0	78.0
126	11.7	9.4	14.0



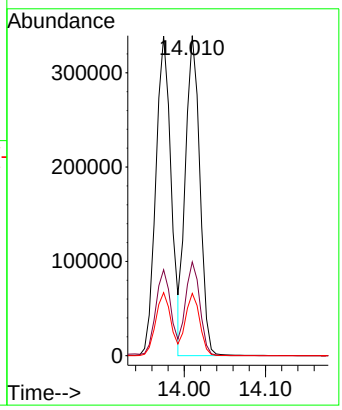


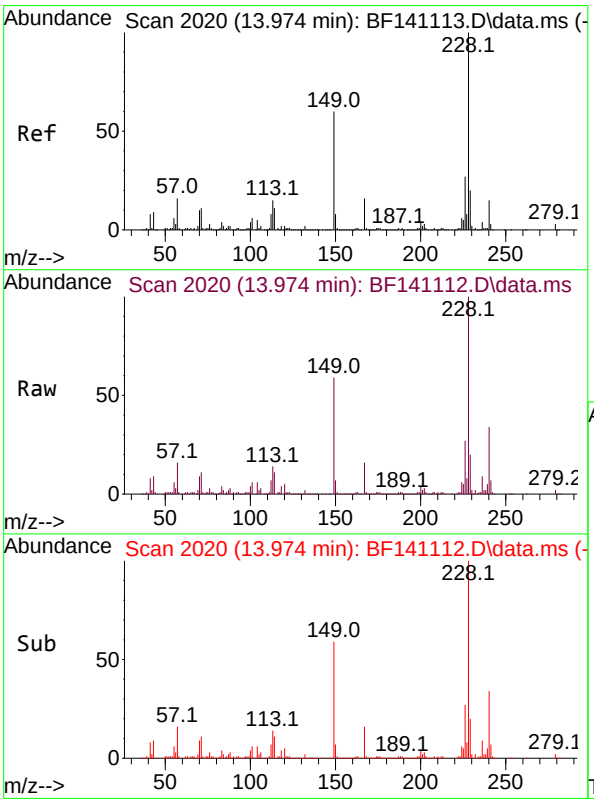
#83
Chrysene
Concen: 20.975 ng
RT: 14.010 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 417881

Ion	Ratio	Lower	Upper
228	100		
226	29.3	23.8	35.8
229	19.4	15.8	23.8

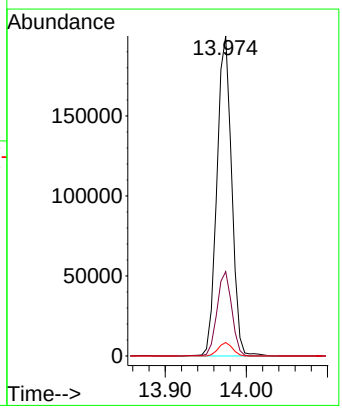


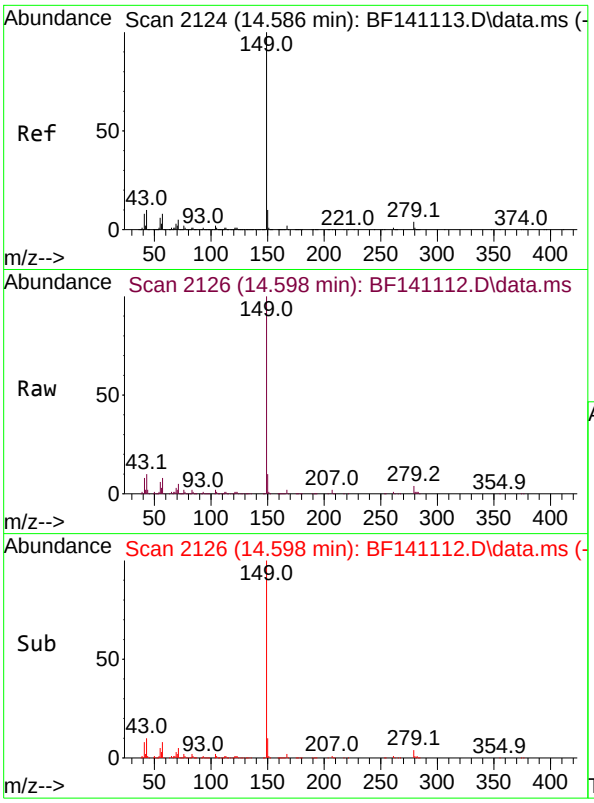


#84
Bis(2-ethylhexyl)phthalate
Concen: 21.114 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:149 Resp: 252397

Ion	Ratio	Lower	Upper
149	100		
167	26.4	21.4	32.2
279	4.2	3.4	5.2



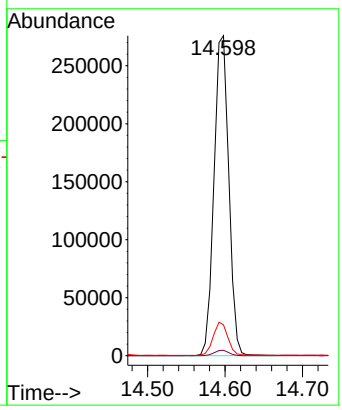


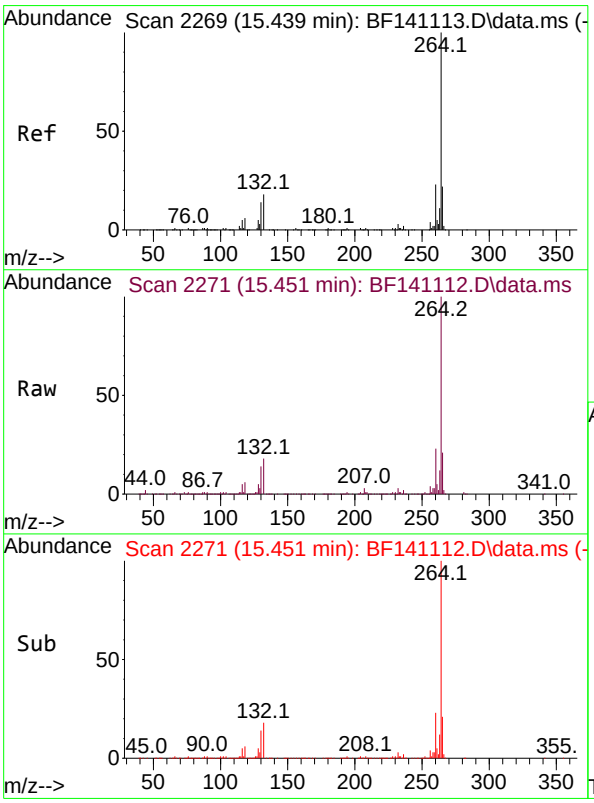
#85
Di-n-octyl phthalate
Concen: 20.253 ng
RT: 14.598 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:149 Resp: 365598

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.3	1.9
43	10.3	8.4	12.6

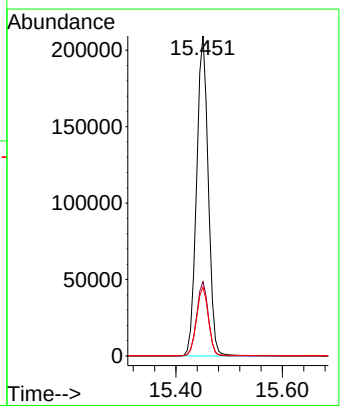


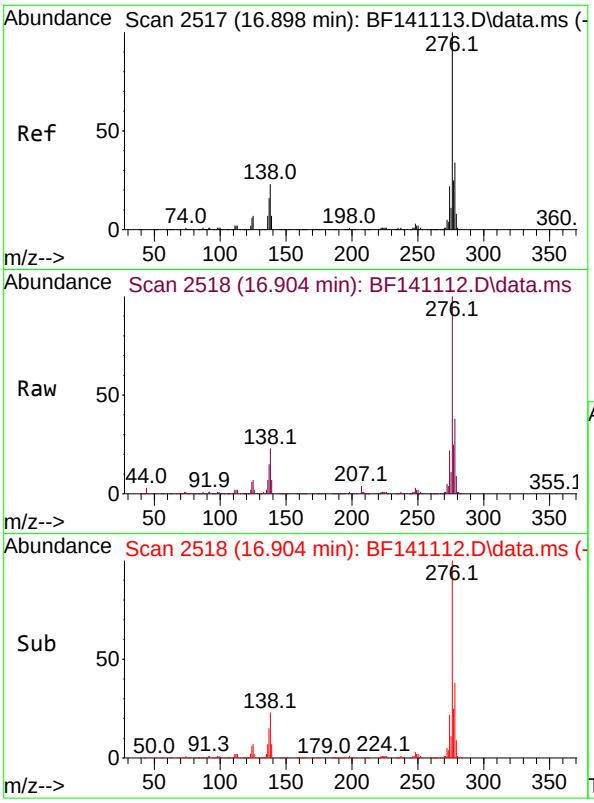


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2271
Delta R.T. 0.012 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:264 Resp: 318548

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	28.0
265	21.4	17.4	26.0



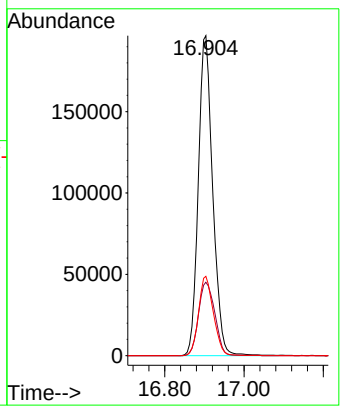


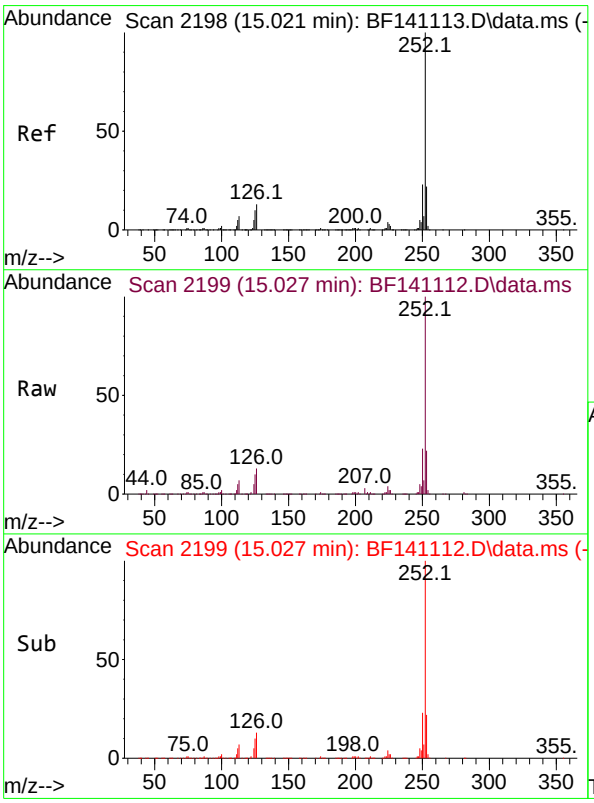
#87
Indeno(1,2,3-cd)pyrene
Concen: 21.272 ng
RT: 16.904 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:276 Resp: 496449

Ion	Ratio	Lower	Upper
276	100		
138	26.0	20.7	31.1
277	25.6	20.6	30.8

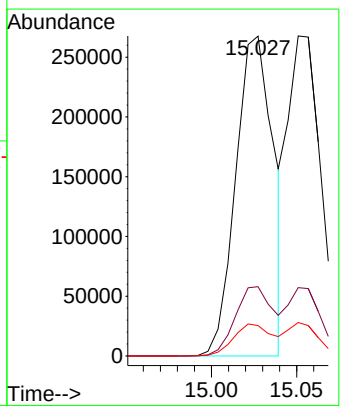


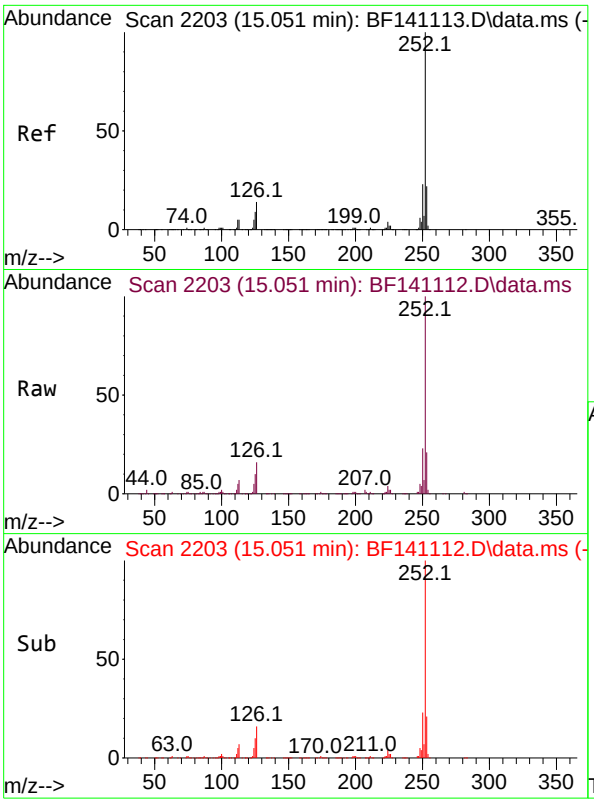


#88
Benzo(b)fluoranthene
Concen: 20.000 ng
RT: 15.027 min Scan# 2199
Delta R.T. 0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:252 Resp: 410817

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.8	26.6
125	9.5	8.1	12.1



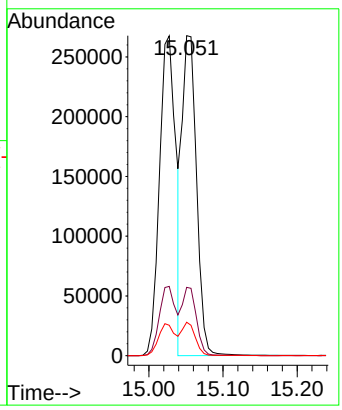


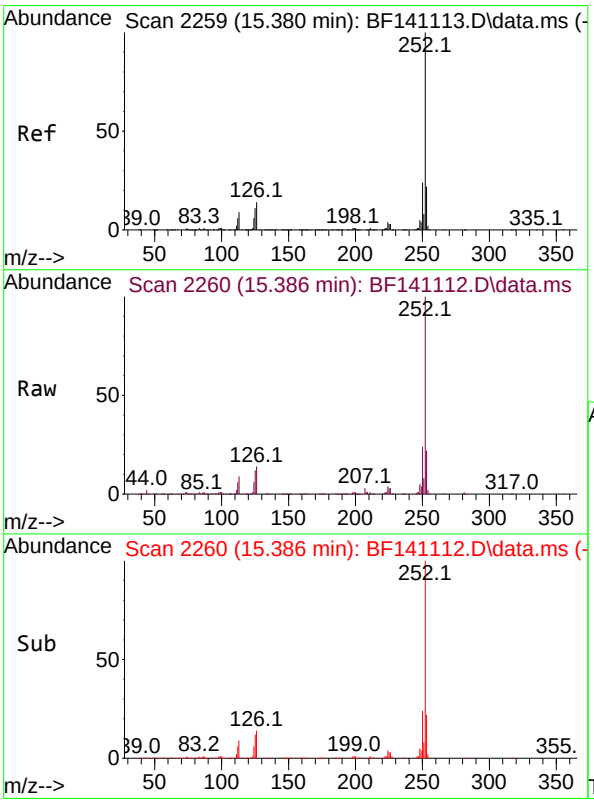
#89
Benzo(k)fluoranthene
Concen: 20.939 ng
RT: 15.051 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:252 Resp: 363482

Ion	Ratio	Lower	Upper
252	100		
253	21.4	17.8	26.8
125	10.4	7.9	11.9

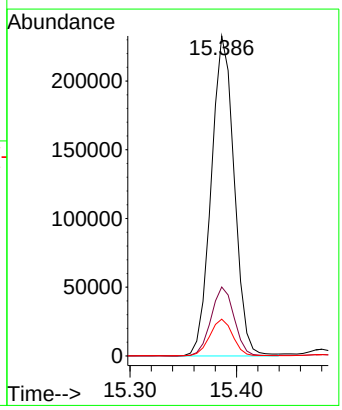


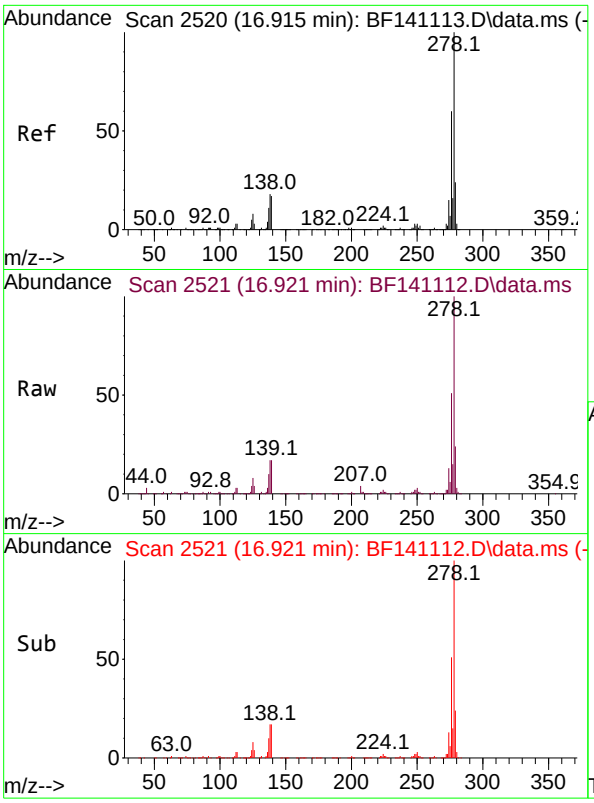


#90
Benzo(a)pyrene
Concen: 20.586 ng
RT: 15.386 min Scan# 2260
Delta R.T. 0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:252 Resp: 348882

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.7	26.5
125	11.5	9.1	13.7



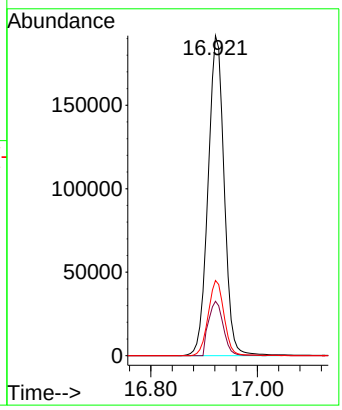


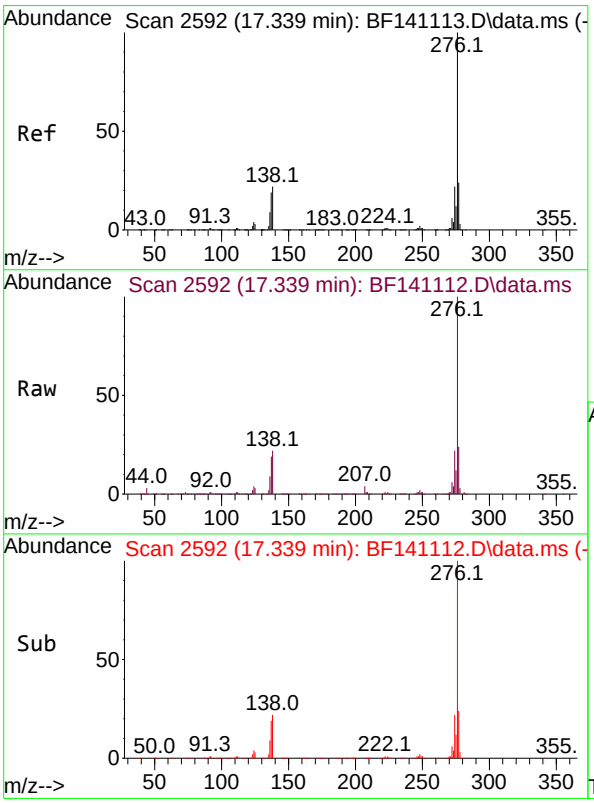
#91
Dibenzo(a,h)anthracene
Concen: 21.291 ng
RT: 16.921 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:278 Resp: 401882

Ion	Ratio	Lower	Upper
278	100		
139	17.0	13.8	20.6
279	23.5	19.1	28.7

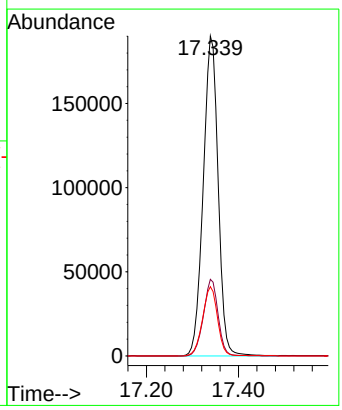




#92
Benzo(g,h,i)perylene
Concen: 21.863 ng
RT: 17.339 min Scan# 2592
Delta R.T. 0.000 min
Lab File: BF141112.D
Acq: 10 Jan 2025 14:10

Tgt Ion:276 Resp: 429242

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.0	28.4
138	21.7	17.4	26.2



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141113.D
Acq On : 10 Jan 2025 14:36
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Jan 10 22:20:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:16:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	178652	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	695197	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	363903	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	589244	20.000	ng	0.00
76) Chrysene-d12	13.986	240	328095	20.000	ng	0.00
86) Perylene-d12	15.439	264	356368	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	891763	77.111	ng	0.00
7) Phenol-d6	6.445	99	1118731	76.368	ng	0.00
23) Nitrobenzene-d5	7.387	82	1015102	77.401	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	318067	76.709	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	1782936	74.817	ng	0.00
79) Terphenyl-d14	12.933	244	1669190	75.616	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.540	88	201329	39.093	ng	100
3) Pyridine	3.281	79	486021	38.485	ng	100
4) n-Nitrosodimethylamine	3.228	42	242419	39.258	ng	100
6) Aniline	6.487	93	508897	39.127	ng	100
8) 2-Chlorophenol	6.604	128	480497	38.726	ng	100
9) Benzaldehyde	6.369	77	303180	37.048	ng	100
10) Phenol	6.463	94	607714	38.754	ng	100
11) bis(2-Chloroethyl)ether	6.557	93	448899	38.412	ng	100
12) 1,3-Dichlorobenzene	6.763	146	527365	38.109	ng	100
13) 1,4-Dichlorobenzene	6.840	146	534324	38.317	ng	100
14) 1,2-Dichlorobenzene	6.992	146	493883	37.968	ng	100
15) Benzyl Alcohol	6.963	79	413856	39.120	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.098	45	630969	38.691	ng	100
17) 2-Methylphenol	7.069	107	388877	38.821	ng	100
18) Hexachloroethane	7.334	117	195745	38.816	ng	100
19) n-Nitroso-di-n-propyla...	7.234	70	323787	37.522	ng	100
20) 3+4-Methylphenols	7.222	107	491194	38.868	ng	100
22) Acetophenone	7.234	105	618403	37.419	ng	100
24) Nitrobenzene	7.404	77	524255	38.355	ng	100
25) Isophorone	7.640	82	857957	38.280	ng	100
26) 2-Nitrophenol	7.722	139	247962	39.881	ng	100
27) 2,4-Dimethylphenol	7.751	122	328632	39.185	ng	100
28) bis(2-Chloroethoxy)met...	7.851	93	537705	38.228	ng	100
29) 2,4-Dichlorophenol	7.957	162	385578	38.711	ng	100
30) 1,2,4-Trichlorobenzene	8.045	180	435914	38.288	ng	100
31) Naphthalene	8.128	128	1388249	37.866	ng	100
32) Benzoic acid	7.857	122	330807	41.119	ng	100
33) 4-Chloroaniline	8.175	127	479132	37.789	ng	100
34) Hexachlorobutadiene	8.245	225	261671	38.143	ng	100
35) Caprolactam	8.545	113	126481	38.712	ng	100
36) 4-Chloro-3-methylphenol	8.651	107	420106	38.566	ng	100
37) 2-Methylnaphthalene	8.816	142	887132	37.973	ng	100
38) 1-Methylnaphthalene	8.916	142	868573	37.724	ng	100
40) 1,2,4,5-Tetrachloroben...	8.981	216	403442	38.626	ng	100
41) Hexachlorocyclopentadiene	8.969	237	145258	42.508	ng	100
43) 2,4,6-Trichlorophenol	9.092	196	276355	39.231	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141113.D
Acq On : 10 Jan 2025 14:36
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Jan 10 22:20:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:16:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.128	196	291660	39.203	ng	100
46) 1,1'-Biphenyl	9.281	154	1084649	38.380	ng	100
47) 2-Chloronaphthalene	9.304	162	847410	38.499	ng	100
48) 2-Nitroaniline	9.398	65	255218	39.114	ng	100
49) Acenaphthylene	9.722	152	1207984	38.412	ng	100
50) Dimethylphthalate	9.581	163	945319	38.695	ng	100
51) 2,6-Dinitrotoluene	9.645	165	226979	39.953	ng	100
52) Acenaphthene	9.892	154	847617	38.579	ng	100
53) 3-Nitroaniline	9.810	138	229868	39.816	ng	100
54) 2,4-Dinitrophenol	9.916	184	113135	41.896	ng	100
55) Dibenzofuran	10.063	168	1154072	38.617	ng	100
56) 4-Nitrophenol	9.963	139	181889	40.228	ng	100
57) 2,4-Dinitrotoluene	10.045	165	287835	39.314	ng	100
58) Fluorene	10.410	166	870839	37.508	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.181	232	241313	39.022	ng	100
60) Diethylphthalate	10.281	149	912032	38.240	ng	100
61) 4-Chlorophenyl-phenyle...	10.404	204	431993	38.175	ng	100
62) 4-Nitroaniline	10.422	138	218358	38.644	ng	100
63) Azobenzene	10.563	77	905963	38.497	ng	100
65) 4,6-Dinitro-2-methylph...	10.451	198	152510	44.665	ng	100
66) n-Nitrosodiphenylamine	10.522	169	766755	40.343	ng	100
67) 4-Bromophenyl-phenylether	10.892	248	273038	40.247	ng	100
68) Hexachlorobenzene	10.957	284	303316	40.165	ng	100
69) Atrazine	11.045	200	166125	32.462	ng	100
70) Pentachlorophenol	11.145	266	204286	42.241	ng	100
71) Phenanthrene	11.369	178	1254420	39.653	ng	100
72) Anthracene	11.422	178	1227926	39.920	ng	100
73) Carbazole	11.575	167	1112672	39.450	ng	100
74) Di-n-butylphthalate	11.910	149	1280428	39.669	ng	100
75) Fluoranthene	12.557	202	1222253	38.718	ng	100
77) Benzidine	12.680	184	268331	44.102	ng	100
78) Pyrene	12.786	202	1212637	38.696	ng	100
80) Butylbenzylphthalate	13.410	149	403087	38.580	ng	100
81) Benzo(a)anthracene	13.974	228	817209	36.599	ng	100
82) 3,3'-Dichlorobenzidine	13.939	252	274265	38.575	ng	100
83) Chrysene	14.016	228	791711	37.894	ng	100
84) Bis(2-ethylhexyl)phtha...	13.974	149	476500	38.010	ng	100
85) Di-n-octyl phthalate	14.586	149	755449	39.906	ng	100
87) Indeno(1,2,3-cd)pyrene	16.898	276	1049124	40.183	ng	100
88) Benzo(b)fluoranthene	15.021	252	855723	37.238	ng	100
89) Benzo(k)fluoranthene	15.051	252	743248	38.272	ng	100
90) Benzo(a)pyrene	15.380	252	740229	39.043	ng	100
91) Dibenzo(a,h)anthracene	16.915	278	852935	40.391	ng	100
92) Benzo(g,h,i)perylene	17.339	276	900014	40.976	ng	100

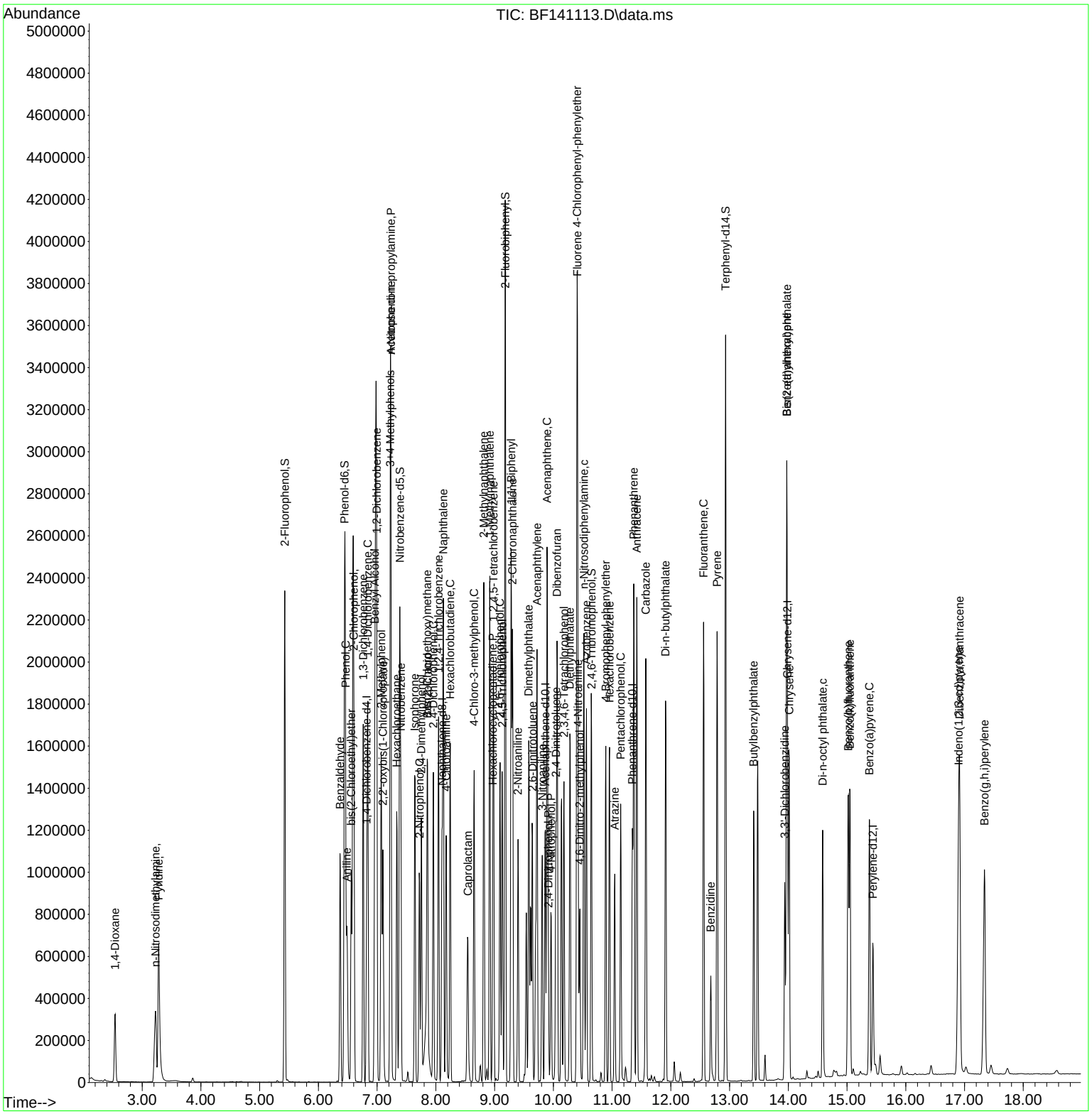
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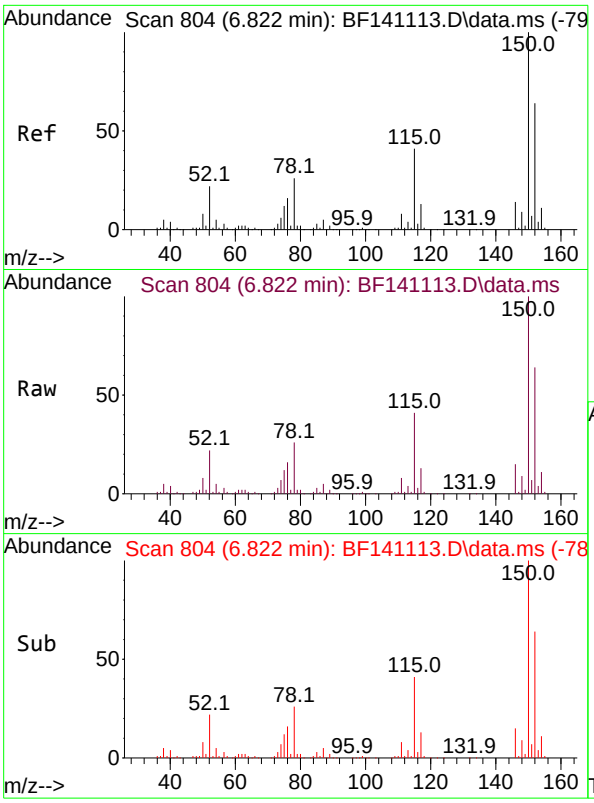
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141113.D
Acq On : 10 Jan 2025 14:36
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: Jan 10 22:20:03 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:16:11 2025
Response via : Initial Calibration



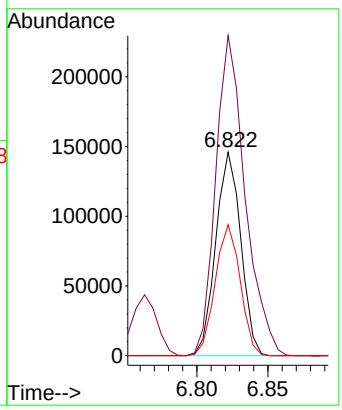


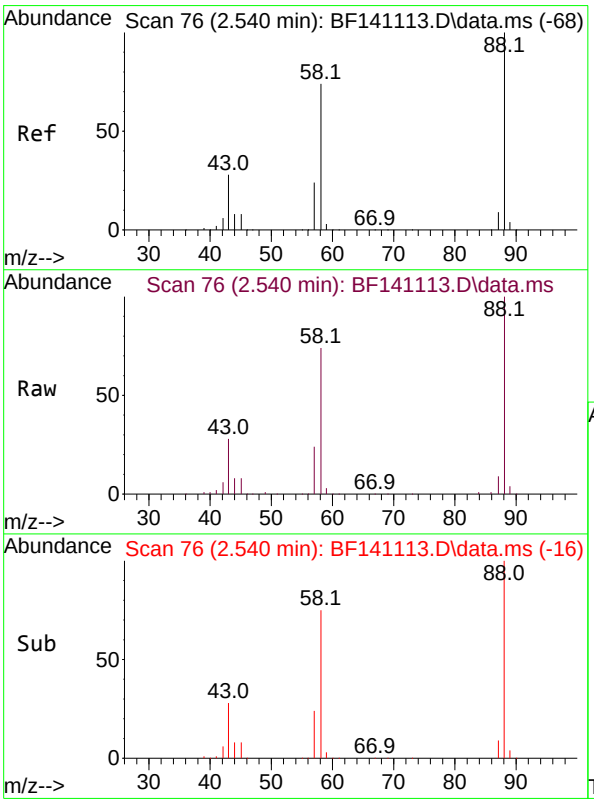
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 178652

Ion	Ratio	Lower	Upper
152	100		
150	157.3	125.8	188.8
115	64.3	51.4	77.2

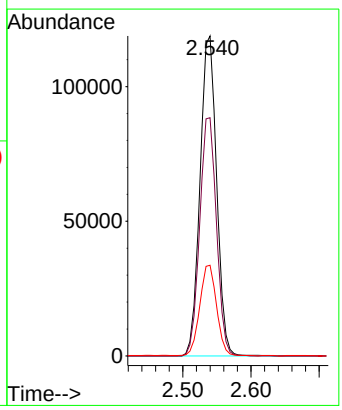


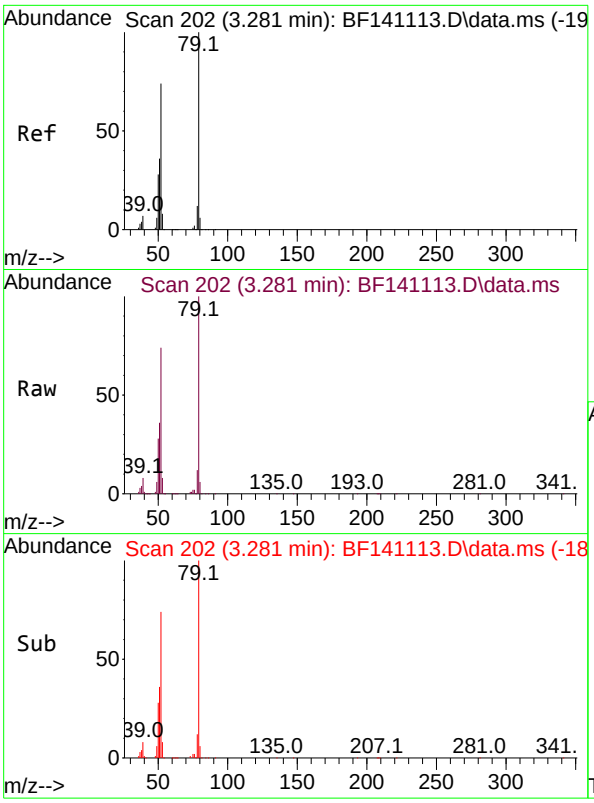


#2
1,4-Dioxane
Concen: 39.093 ng
RT: 2.540 min Scan# 76
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion: 88 Resp: 201329

Ion	Ratio	Lower	Upper
88	100		
58	75.1	60.1	90.1
43	28.9	23.1	34.7



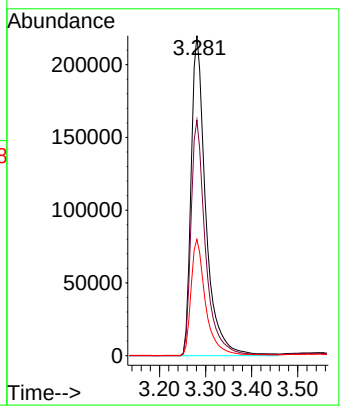


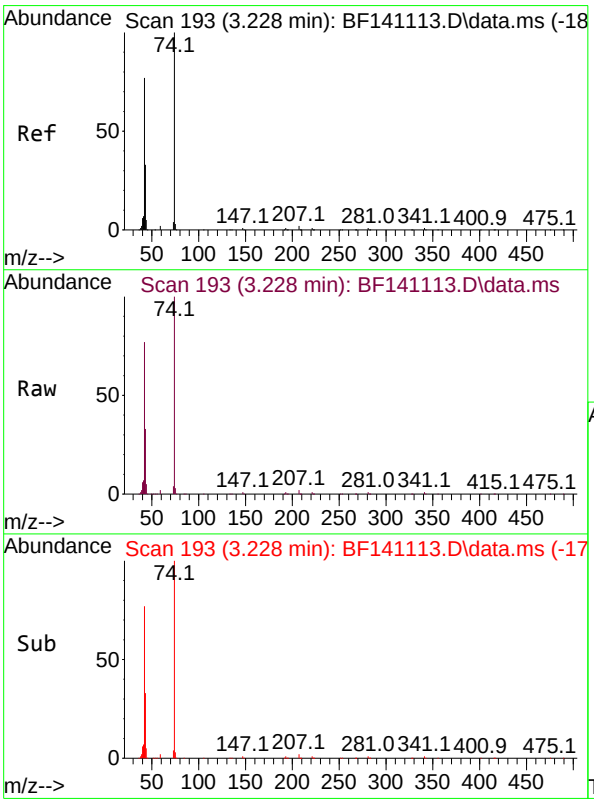
#3
Pyridine
Concen: 38.485 ng
RT: 3.281 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 486021

Ion	Ratio	Lower	Upper
79	100		
52	73.6	58.9	88.3
51	36.4	29.1	43.7

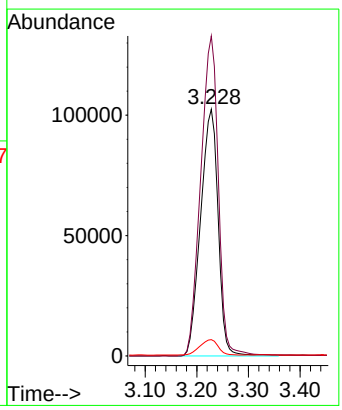


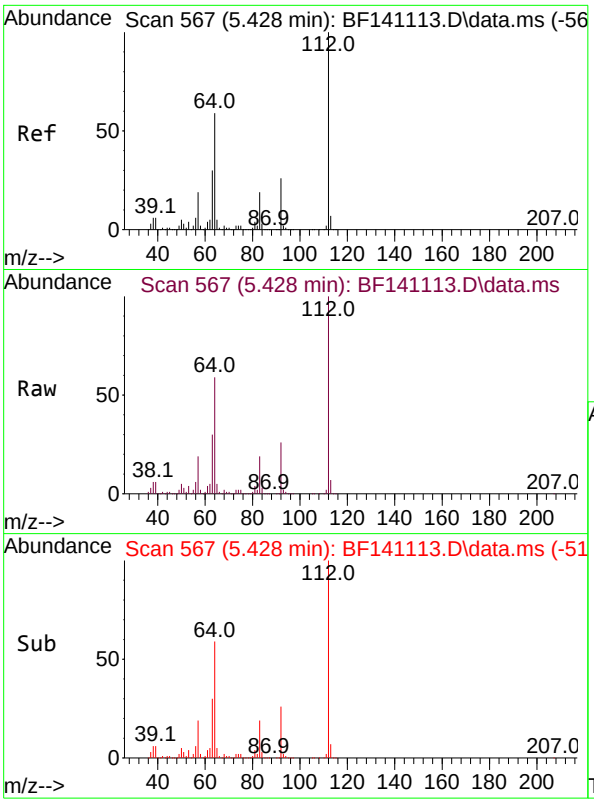


#4
n-Nitrosodimethylamine
Concen: 39.258 ng
RT: 3.228 min Scan# 193
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion: 42 Resp: 242419

Ion	Ratio	Lower	Upper
42	100		
74	129.7	103.8	155.6
44	6.6	5.3	7.9



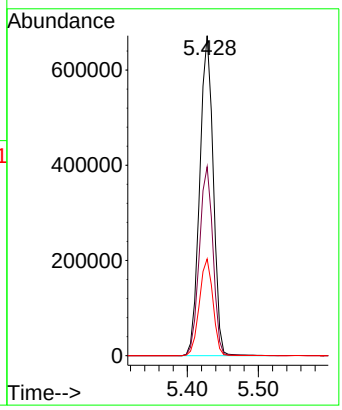


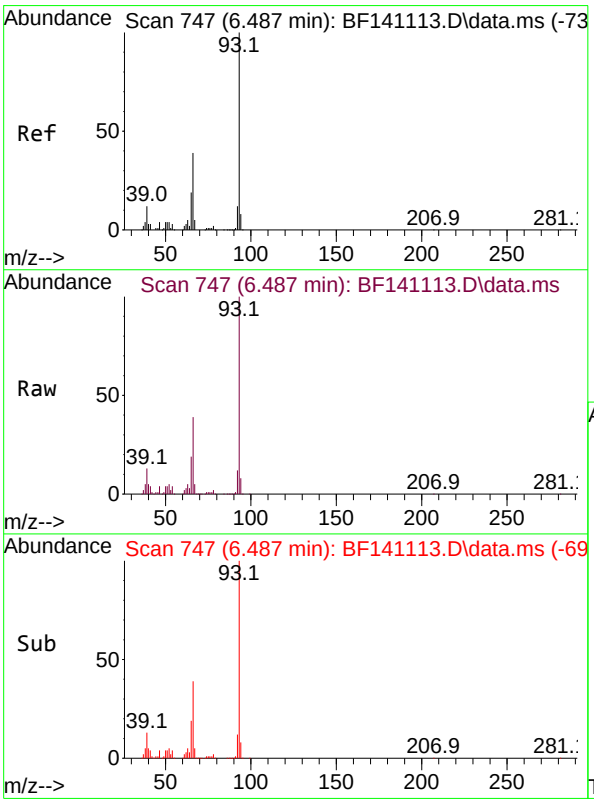
#5
2-Fluorophenol
Concen: 77.111 ng
RT: 5.428 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:112 Resp: 891763

Ion	Ratio	Lower	Upper
112	100		
64	59.1	47.3	70.9
63	30.2	24.2	36.2

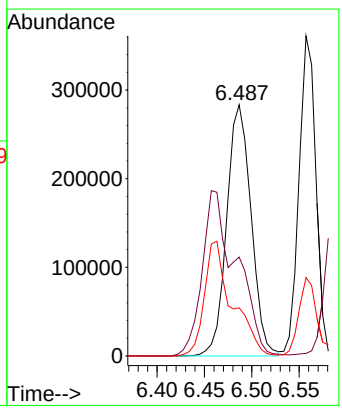


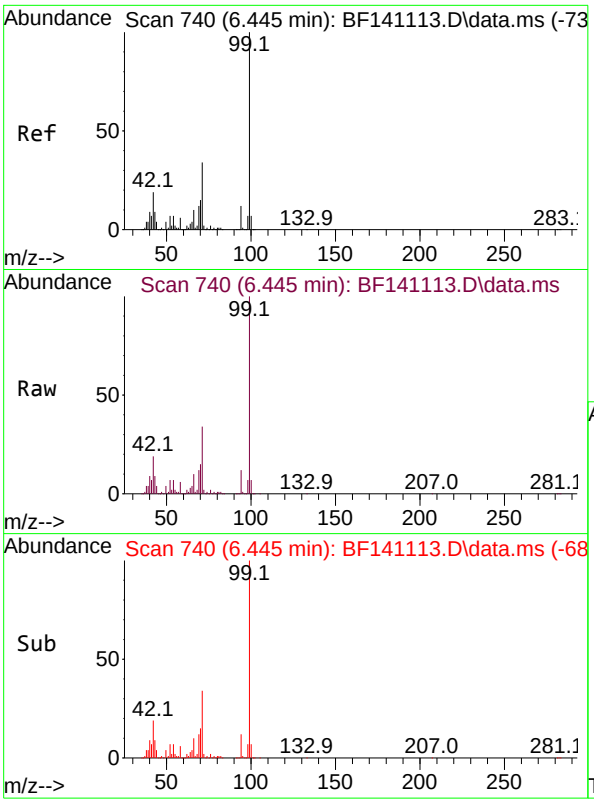


#6
Aniline
Concen: 39.127 ng
RT: 6.487 min Scan# 747
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion: 93 Resp: 508897

Ion	Ratio	Lower	Upper
93	100		
66	39.4	31.5	47.3
65	19.1	15.3	22.9



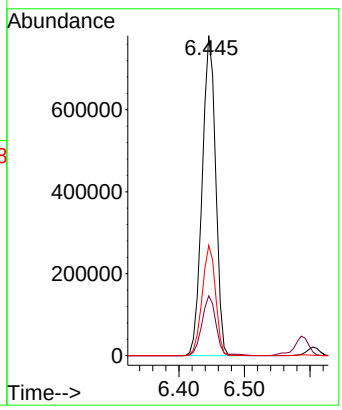


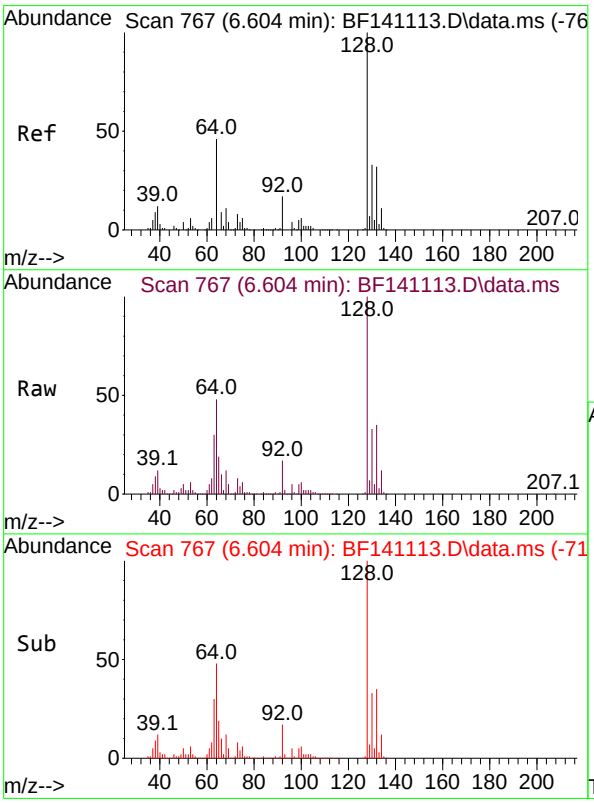
#7
Phenol-d6
Concen: 76.368 ng
RT: 6.445 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 99 Resp: 1118731

Ion	Ratio	Lower	Upper
99	100		
42	18.7	15.0	22.4
71	34.5	27.6	41.4

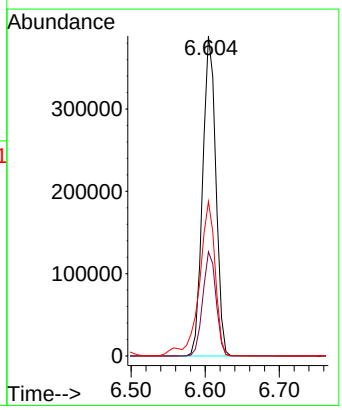


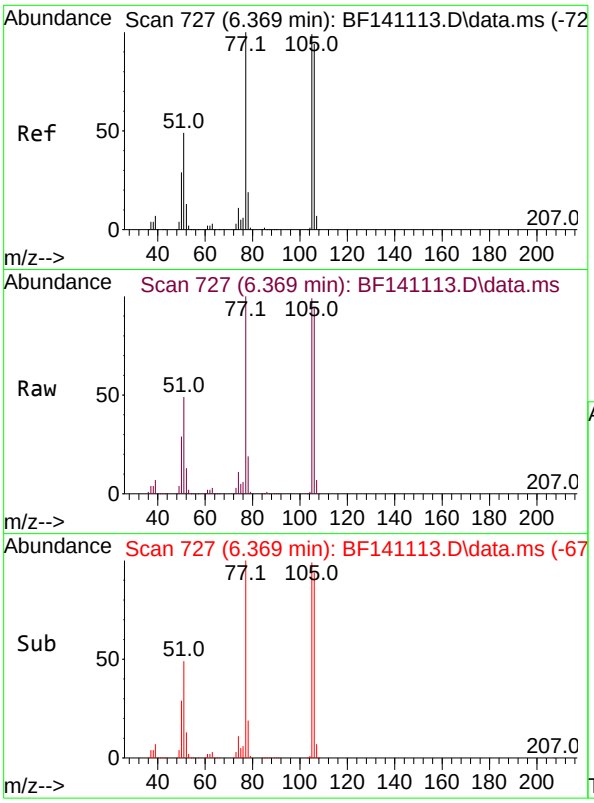


#8
2-Chlorophenol
Concen: 38.726 ng
RT: 6.604 min Scan# 767
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:128 Resp: 480497

Ion	Ratio	Lower	Upper
128	100		
130	32.5	12.5	52.5
64	48.3	28.3	68.3



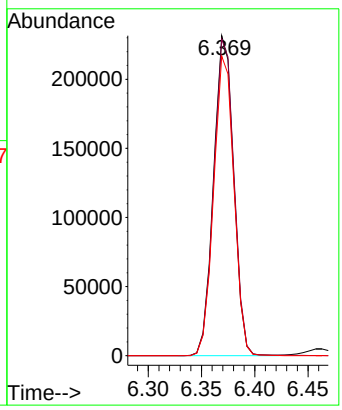


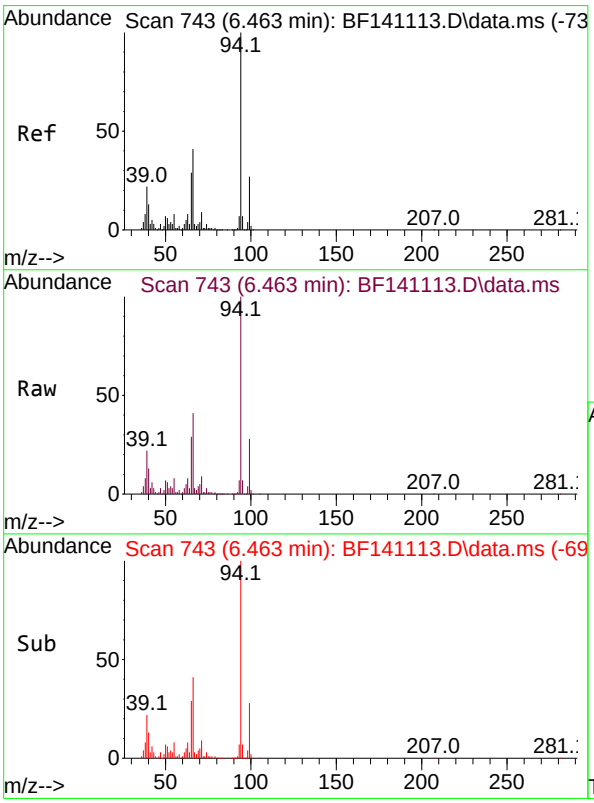
#9
Benzaldehyde
Concen: 37.048 ng
RT: 6.369 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 303180

Ion	Ratio	Lower	Upper
77	100		
105	98.9	78.9	118.9
106	93.6	73.6	113.6

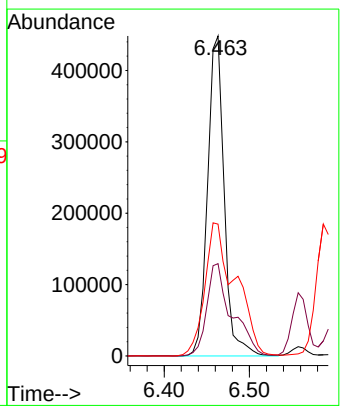


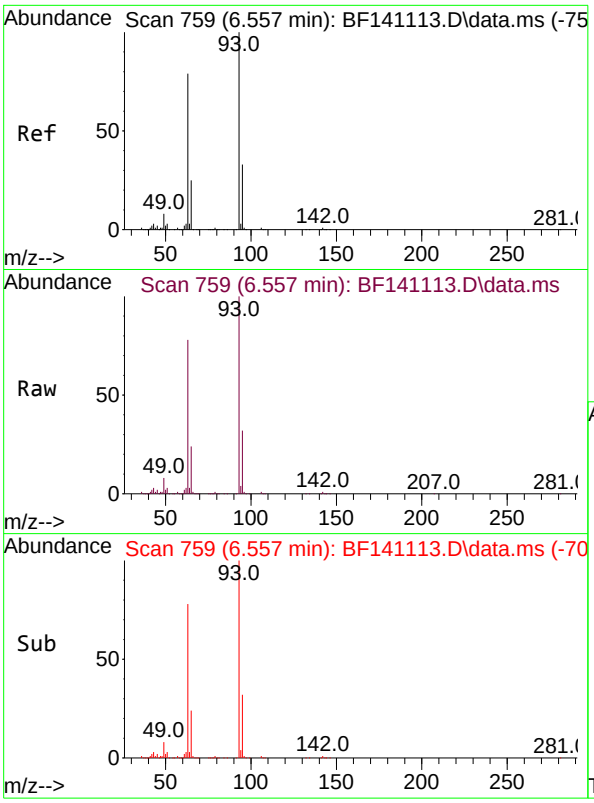


#10
Phenol
Concen: 38.754 ng
RT: 6.463 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion: 94 Resp: 607714

Ion	Ratio	Lower	Upper
94	100		
65	28.9	8.9	48.9
66	41.2	21.2	61.2



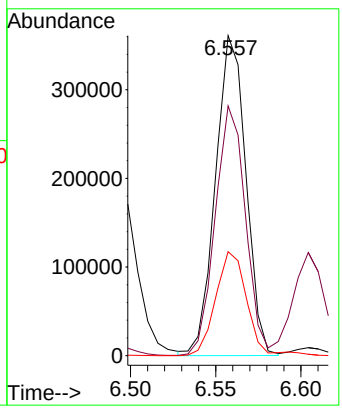


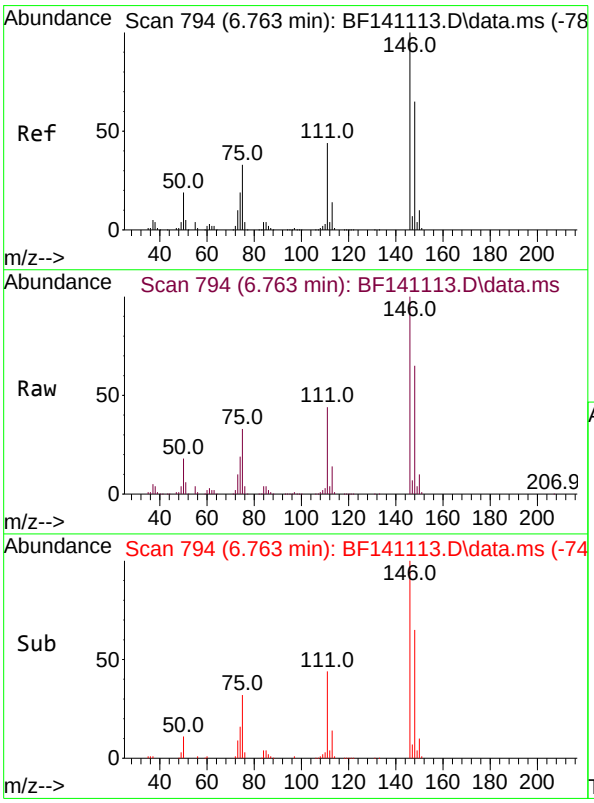
#11
bis(2-Chloroethyl)ether
Concen: 38.412 ng
RT: 6.557 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 448899

Ion	Ratio	Lower	Upper
93	100		
63	78.0	58.0	98.0
95	32.5	12.5	52.5

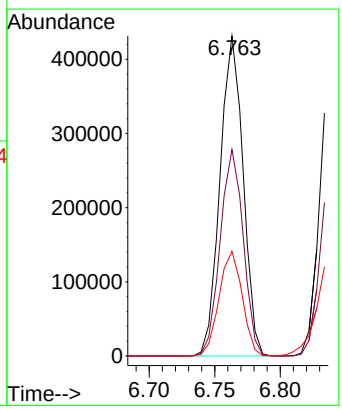


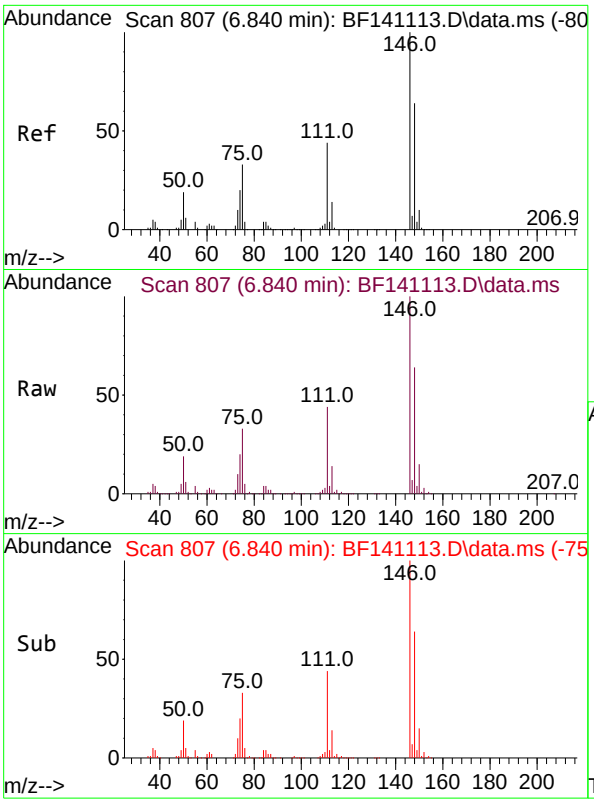


#12
1,3-Dichlorobenzene
Concen: 38.109 ng
RT: 6.763 min Scan# 794
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:146 Resp: 527365

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.6	77.4
75	32.7	26.2	39.2



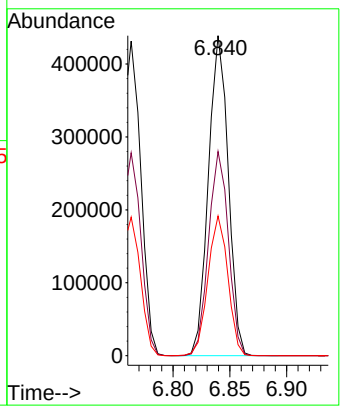


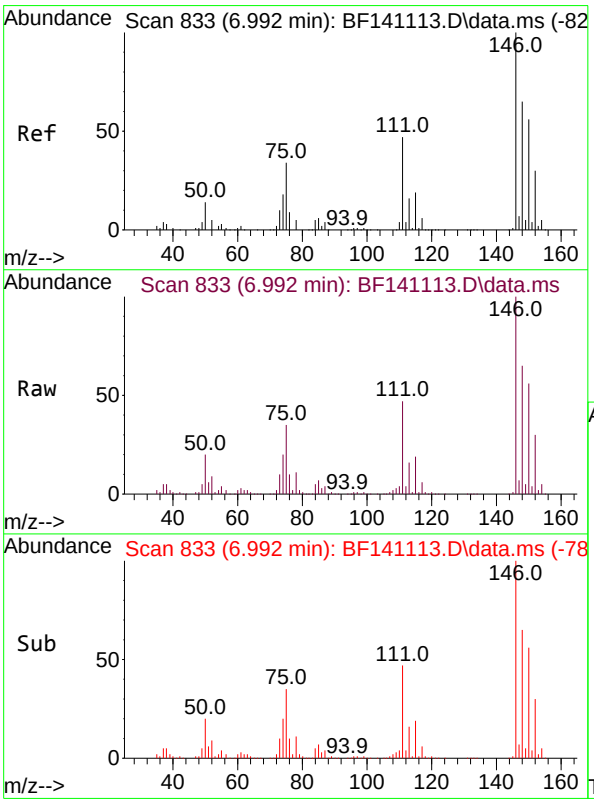
#13
1,4-Dichlorobenzene
Concen: 38.317 ng
RT: 6.840 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:146 Resp: 534324

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.0	76.6
111	43.6	34.9	52.3

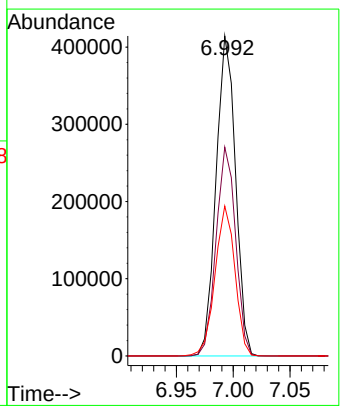


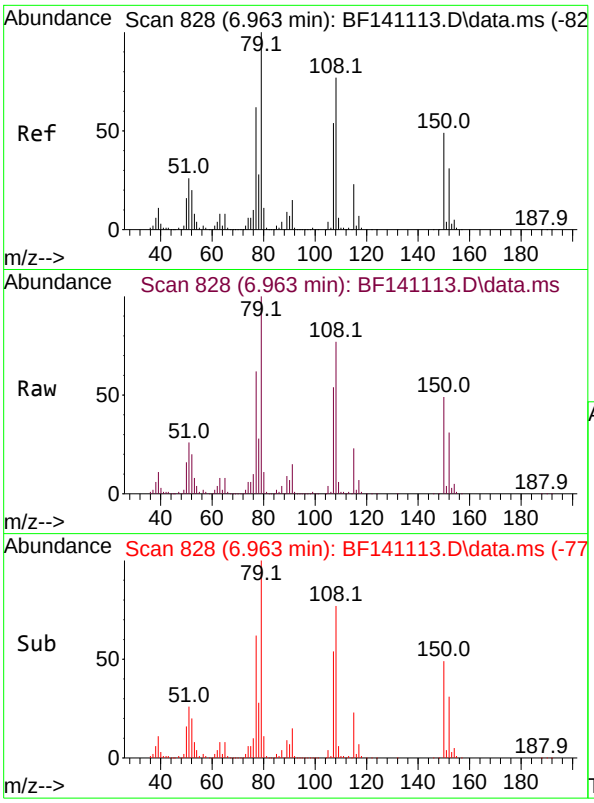


#14
1,2-Dichlorobenzene
Concen: 37.968 ng
RT: 6.992 min Scan# 833
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:146 Resp: 493883

Ion	Ratio	Lower	Upper
146	100		
148	65.3	52.2	78.4
111	46.9	37.5	56.3



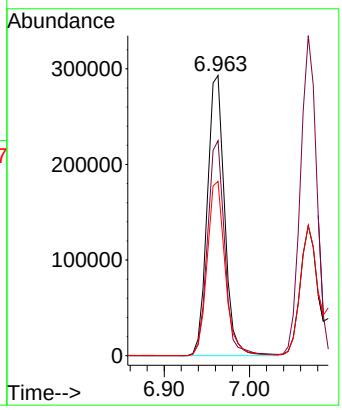


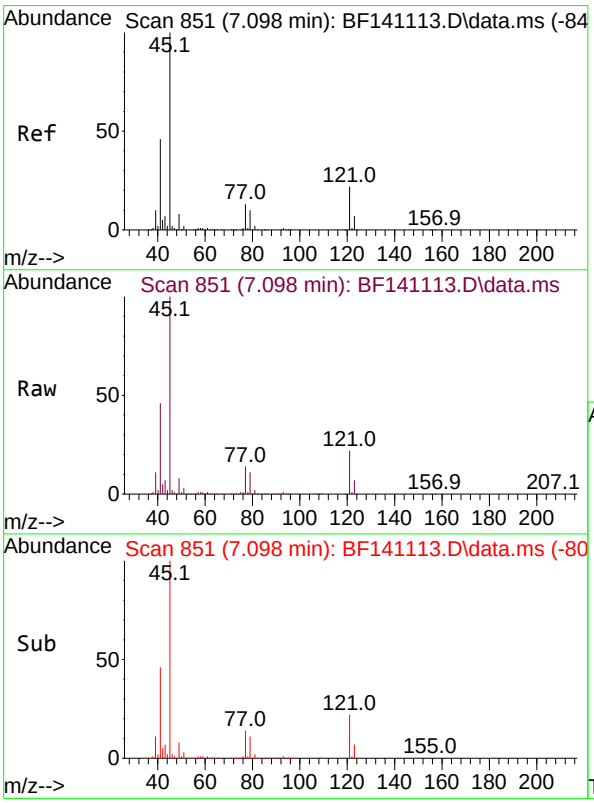
#15
Benzyl Alcohol
Concen: 39.120 ng
RT: 6.963 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 413856

Ion	Ratio	Lower	Upper
79	100		
108	76.7	61.4	92.0
77	62.2	49.8	74.6

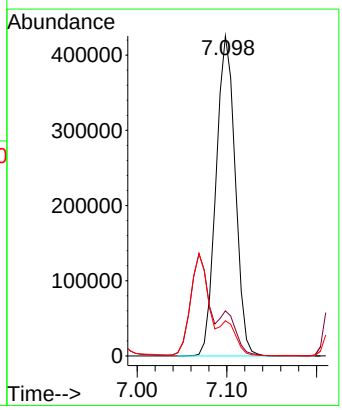


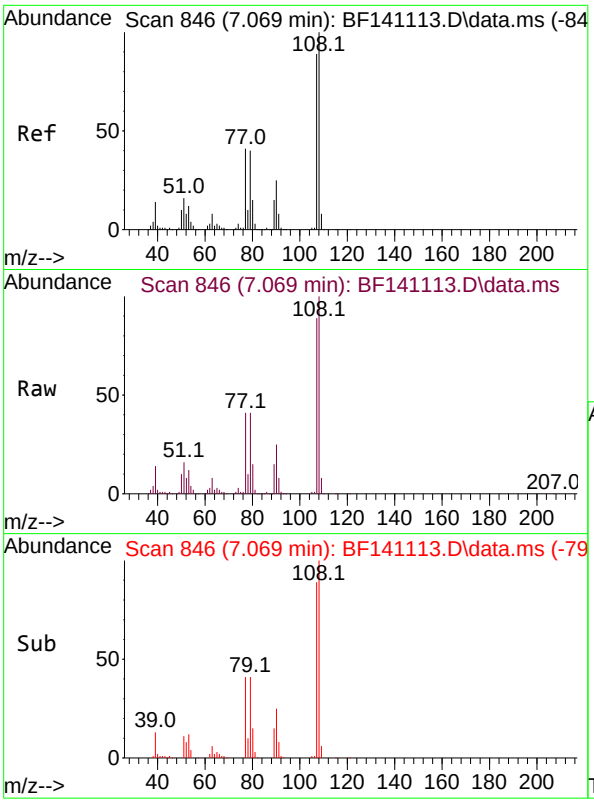


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.691 ng
RT: 7.098 min Scan# 851
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion: 45 Resp: 630969

Ion	Ratio	Lower	Upper
45	100		
77	14.1	0.0	34.1
79	11.0	0.0	31.0



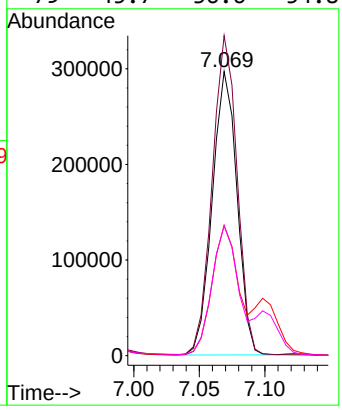


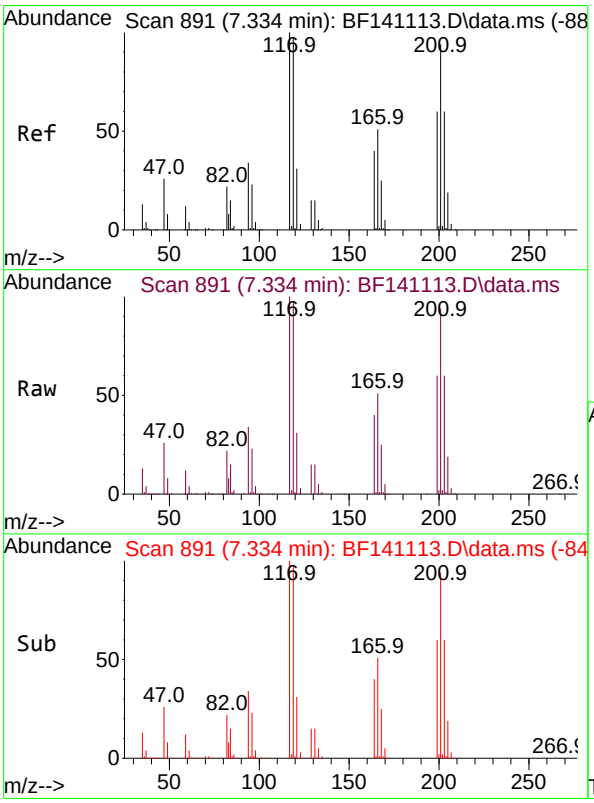
#17
2-Methylphenol
Concen: 38.821 ng
RT: 7.069 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:107 Resp: 388877

Ion	Ratio	Lower	Upper
107	100		
108	112.6	90.1	135.1
77	45.8	36.6	55.0
79	45.7	36.6	54.8

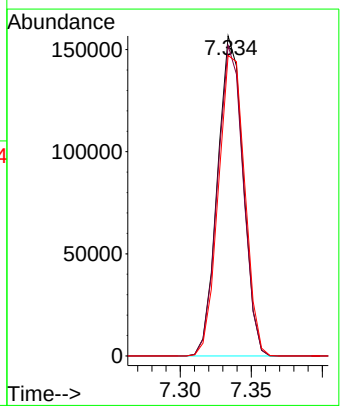


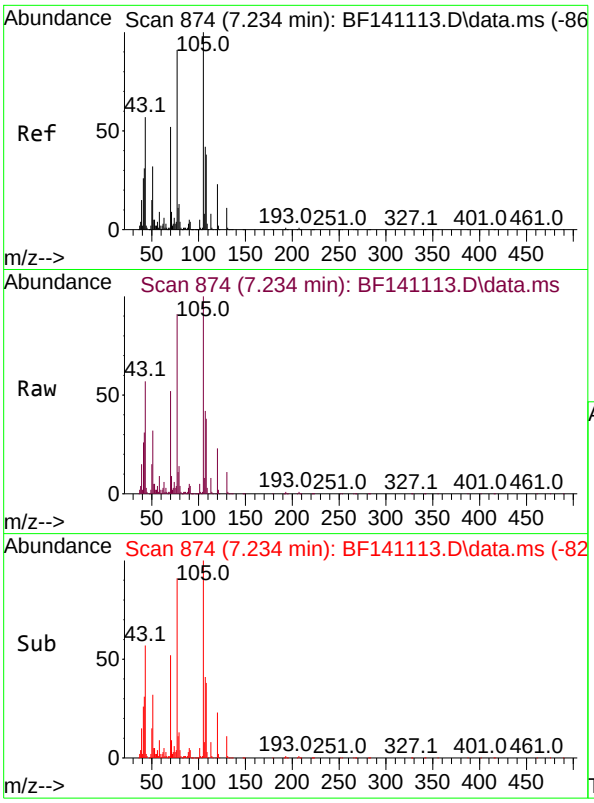


#18
Hexachloroethane
Concen: 38.816 ng
RT: 7.334 min Scan# 891
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:117 Resp: 195745

Ion	Ratio	Lower	Upper
117	100		
119	97.0	77.6	116.4
201	93.9	75.1	112.7



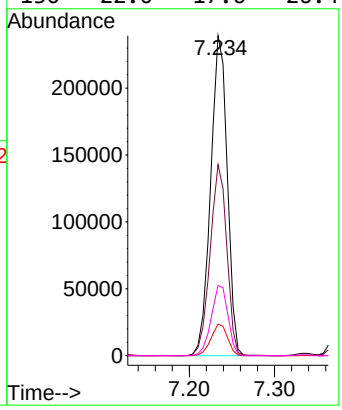


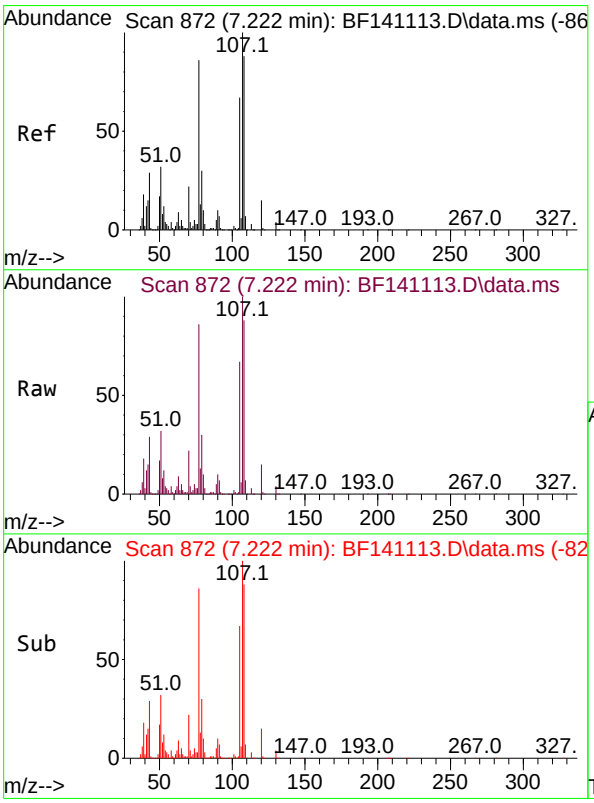
#19
n-Nitroso-di-n-propylamine
Concen: 37.522 ng
RT: 7.234 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 323787

Ion	Ratio	Lower	Upper
70	100		
42	59.7	47.8	71.6
101	9.9	7.9	11.9
130	22.0	17.6	26.4

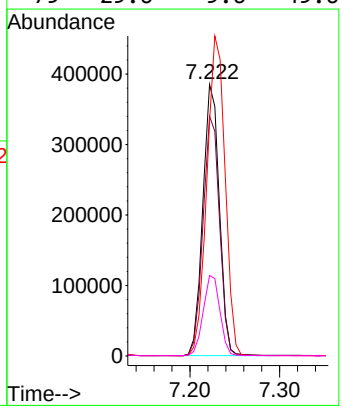


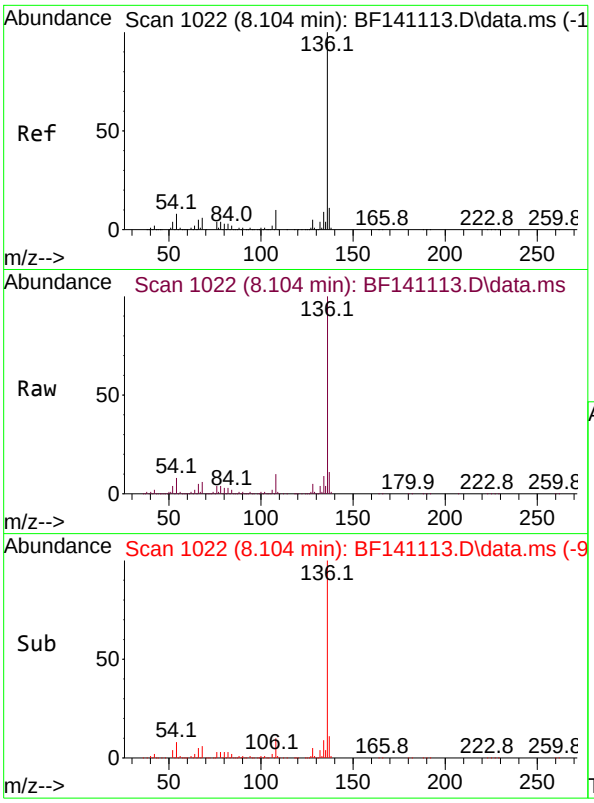


#20
3+4-Methylphenols
Concen: 38.868 ng
RT: 7.222 min Scan# 872
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:107 Resp: 491194

Ion	Ratio	Lower	Upper
107	100		
108	88.3	68.3	108.3
77	86.4	66.4	106.4
79	29.6	9.6	49.6



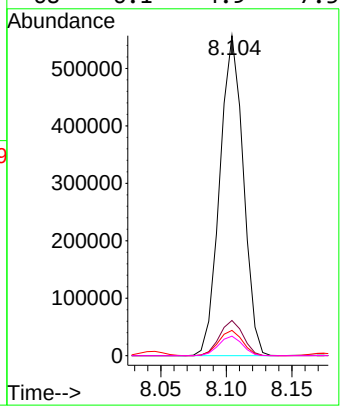


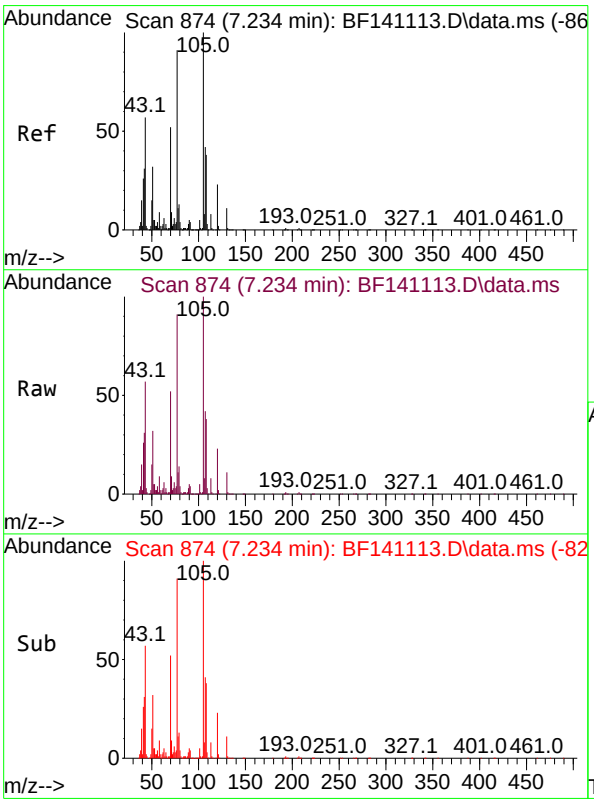
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:136 Resp: 695197

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.9	6.3	9.5
68	6.1	4.9	7.3

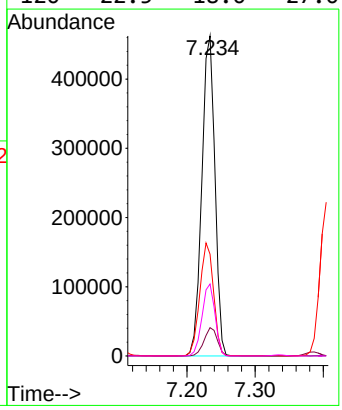


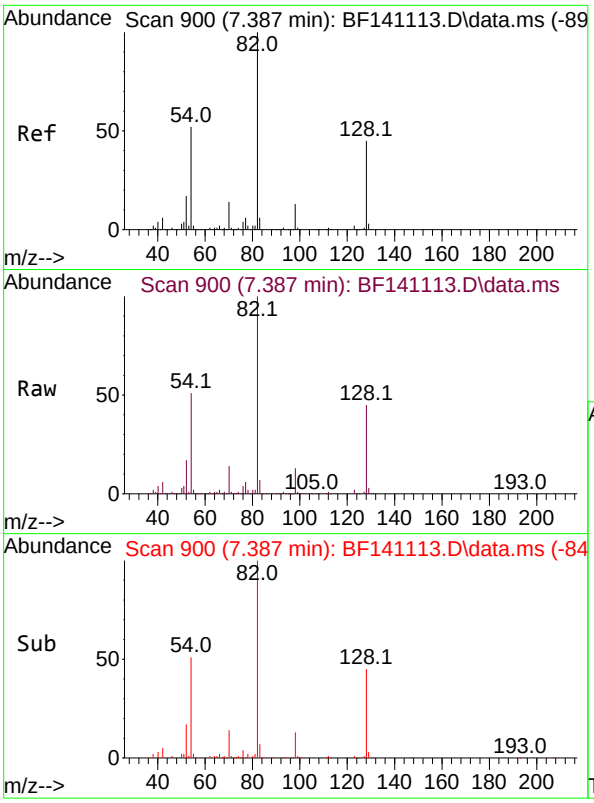


#22
Acetophenone
Concen: 37.419 ng
RT: 7.234 min Scan# 874
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:105 Resp: 618403

Ion	Ratio	Lower	Upper
105	100		
71	8.9	7.1	10.7
51	31.8	25.4	38.2
120	22.5	18.0	27.0



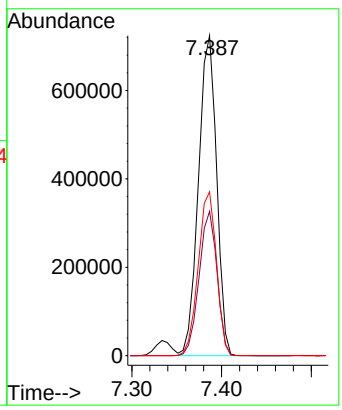


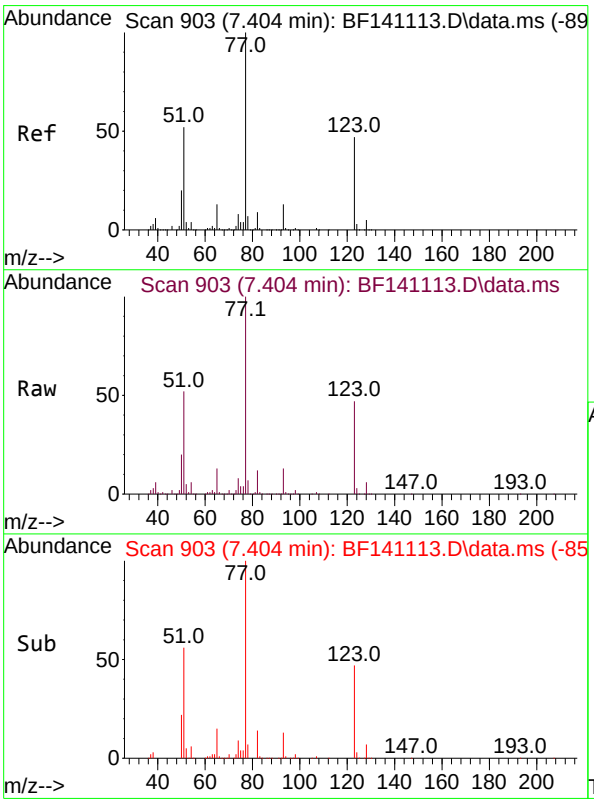
#23
Nitrobenzene-d5
Concen: 77.401 ng
RT: 7.387 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 1015102

Ion	Ratio	Lower	Upper
82	100		
128	45.1	36.1	54.1
54	51.2	41.0	61.4

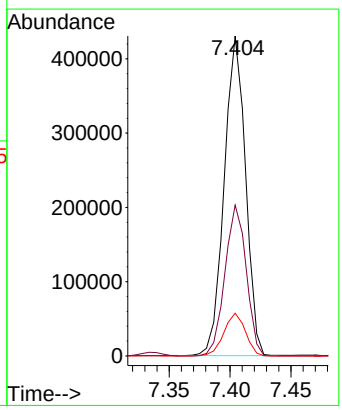


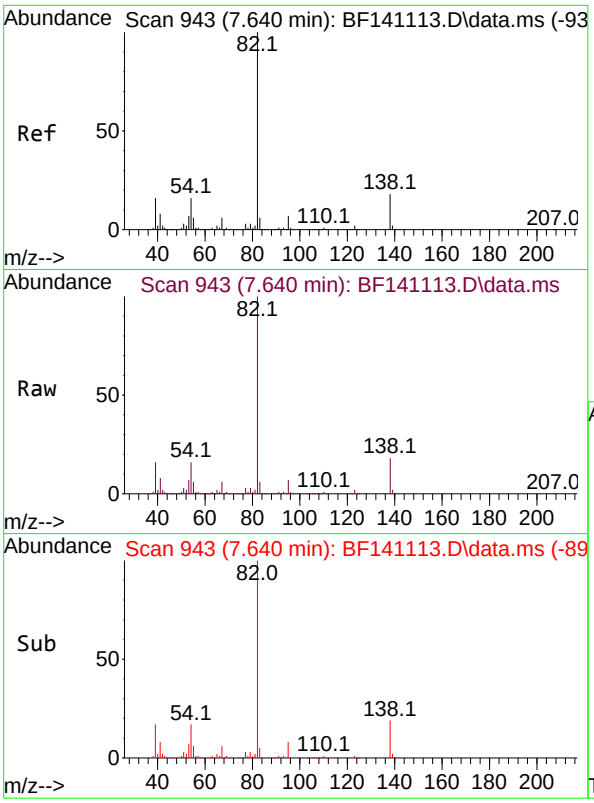


#24
Nitrobenzene
Concen: 38.355 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion: 77 Resp: 524255

Ion	Ratio	Lower	Upper
77	100		
123	47.1	37.7	56.5
65	13.3	10.6	16.0



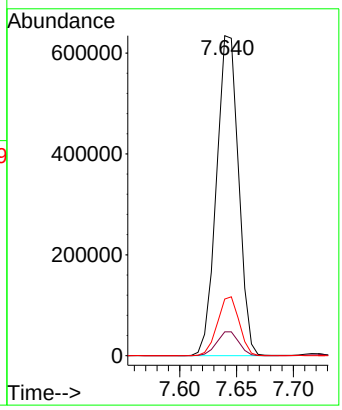


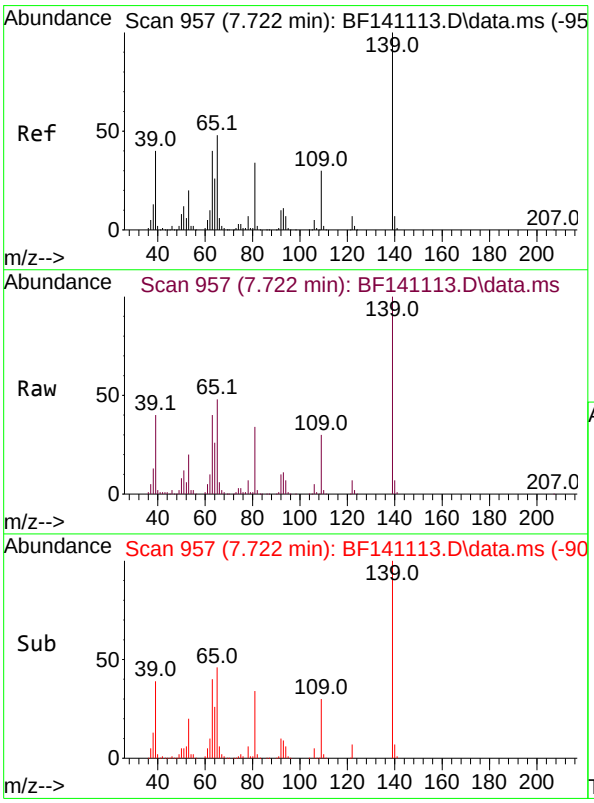
#25
Isophorone
Concen: 38.280 ng
RT: 7.640 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 857957

Ion	Ratio	Lower	Upper
82	100		
95	7.4	5.9	8.9
138	17.7	14.2	21.2

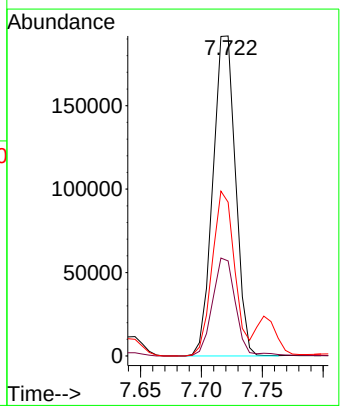


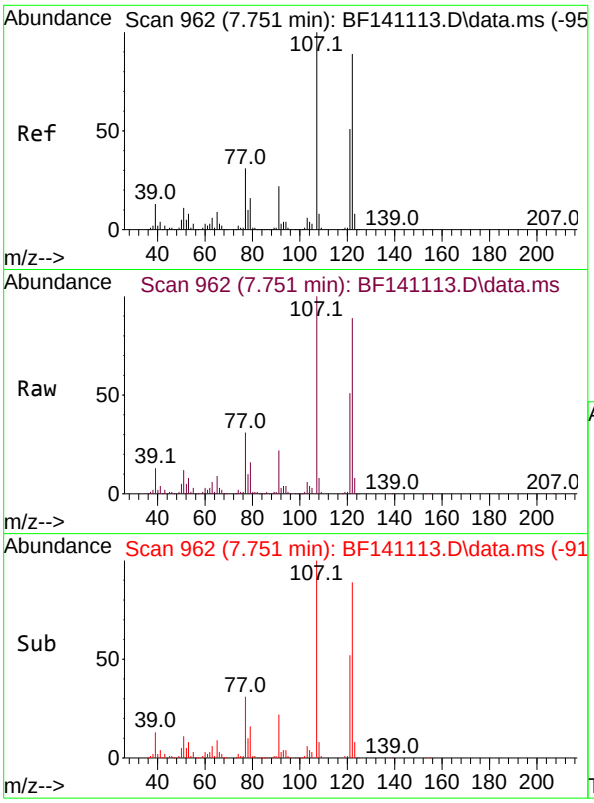


#26
2-Nitrophenol
Concen: 39.881 ng
RT: 7.722 min Scan# 957
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:139 Resp: 247962

Ion	Ratio	Lower	Upper
139	100		
109	29.7	23.8	35.6
65	48.1	38.5	57.7



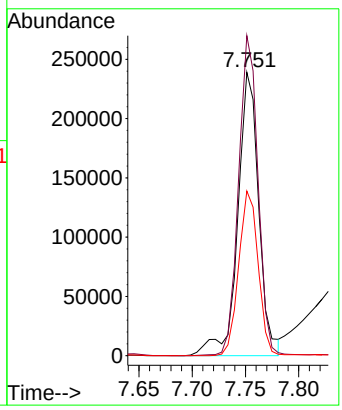


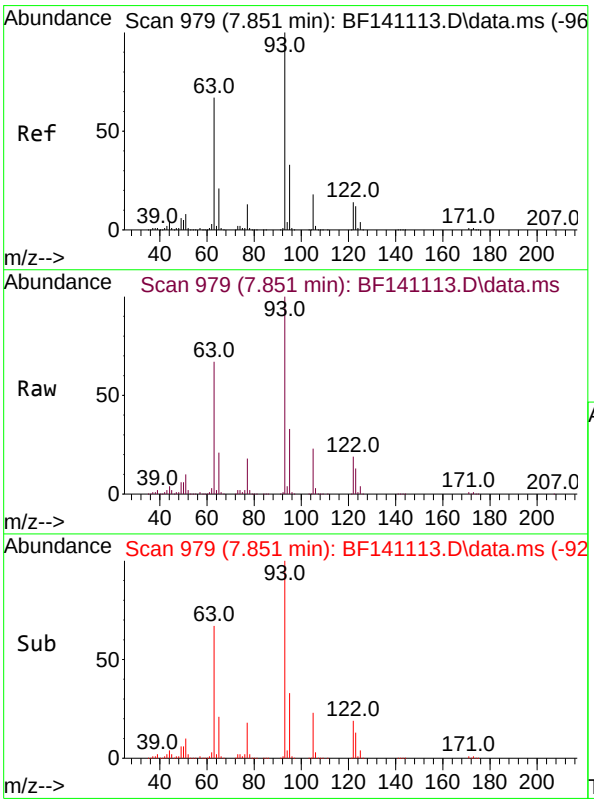
#27
2,4-Dimethylphenol
Concen: 39.185 ng
RT: 7.751 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:122 Resp: 328632

Ion	Ratio	Lower	Upper
122	100		
107	112.9	90.3	135.5
121	58.1	46.5	69.7

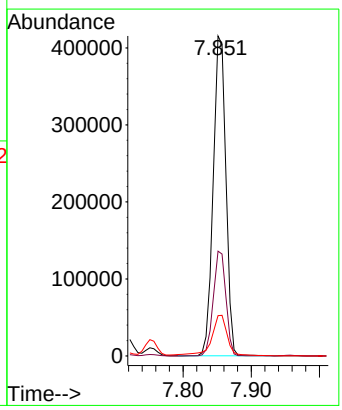


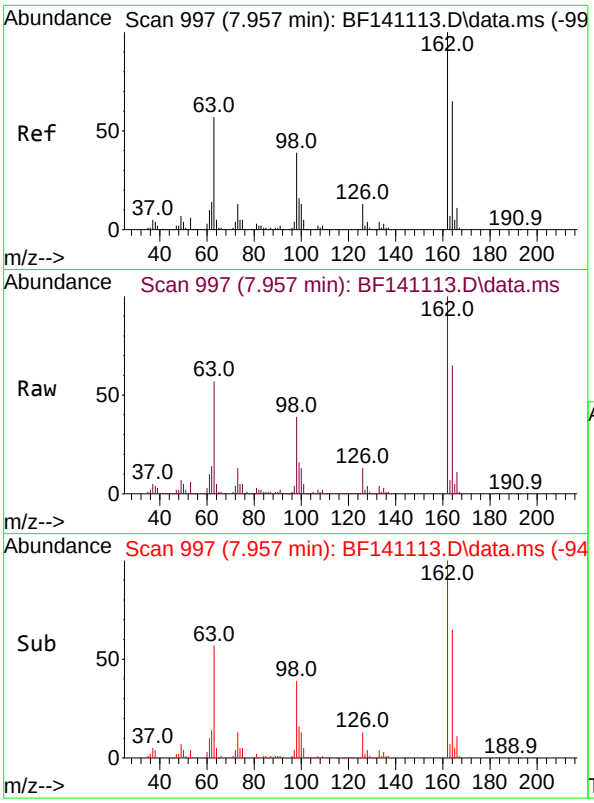


#28
bis(2-Chloroethoxy)methane
Concen: 38.228 ng
RT: 7.851 min Scan# 979
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion: 93 Resp: 537705

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.2	39.4
123	12.6	10.1	15.1



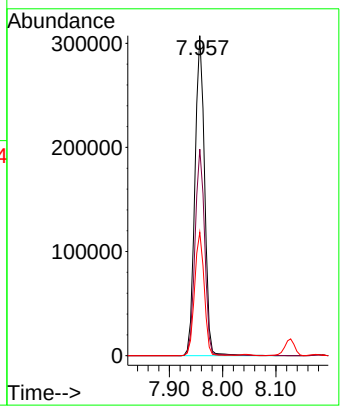


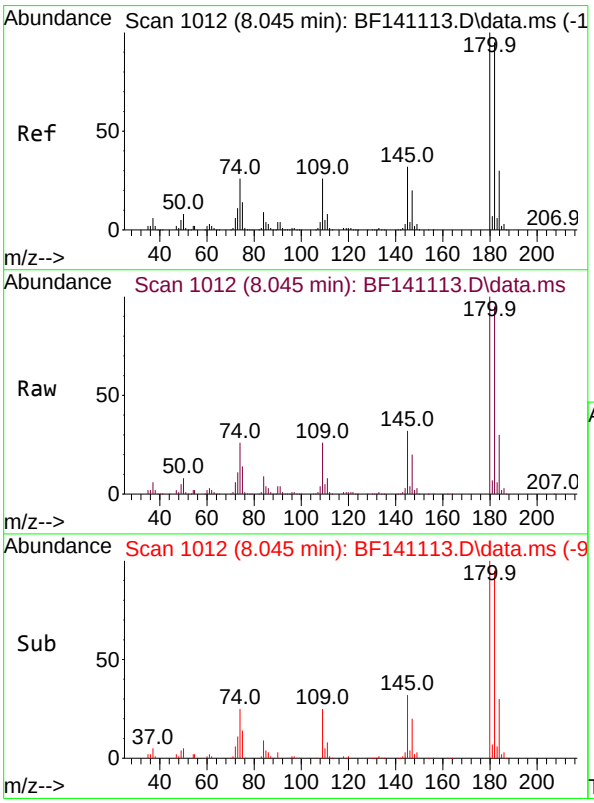
#29
2,4-Dichlorophenol
Concen: 38.711 ng
RT: 7.957 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 385578

Ion	Ratio	Lower	Upper
162	100		
164	64.5	44.5	84.5
98	38.5	18.5	58.5

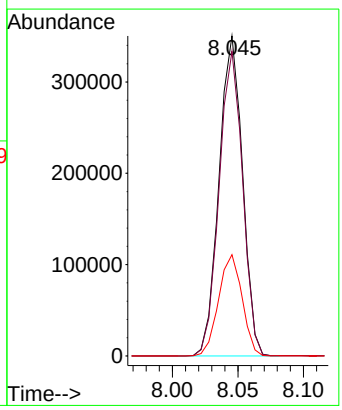


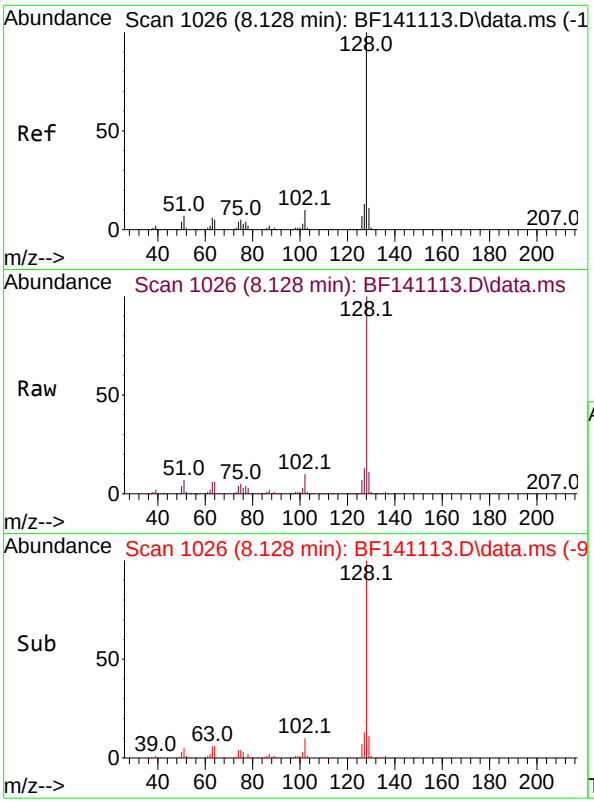


#30
1,2,4-Trichlorobenzene
Concen: 38.288 ng
RT: 8.045 min Scan# 1012
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:180 Resp: 435914

Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.2	114.2
145	31.6	25.3	37.9



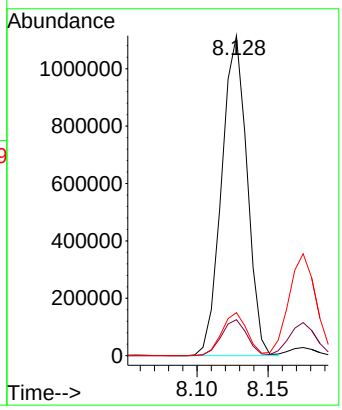


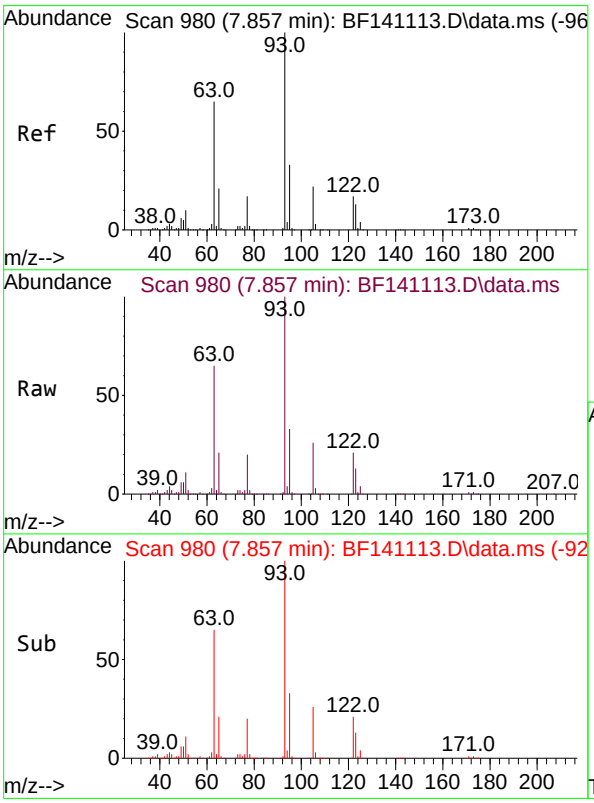
#31
Naphthalene
Concen: 37.866 ng
RT: 8.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:128 Resp: 1388249

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.6
127	13.5	10.8	16.2

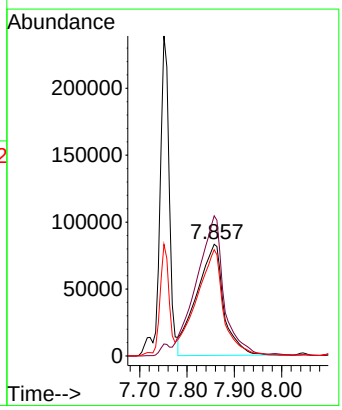


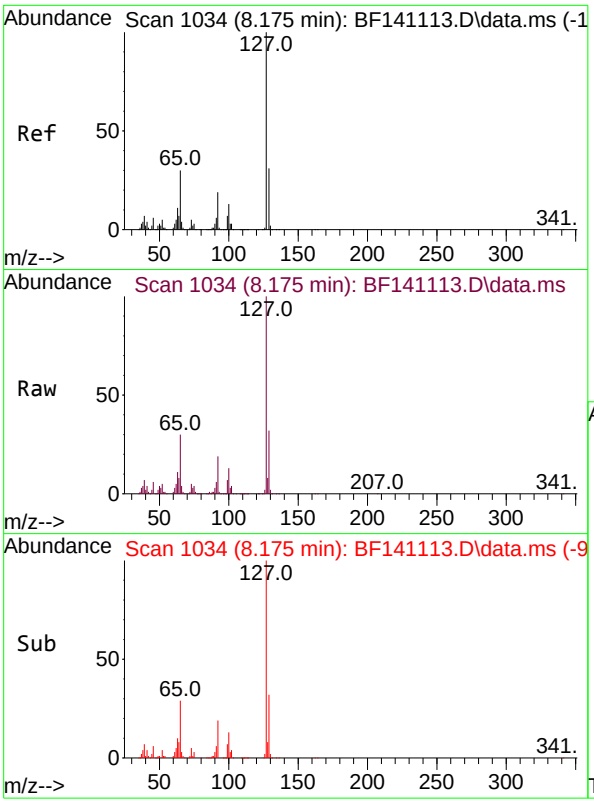


#32
Benzoic acid
Concen: 41.119 ng
RT: 7.857 min Scan# 980
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:122 Resp: 330807

Ion	Ratio	Lower	Upper
122	100		
105	125.5	105.5	145.5
77	95.1	75.1	115.1



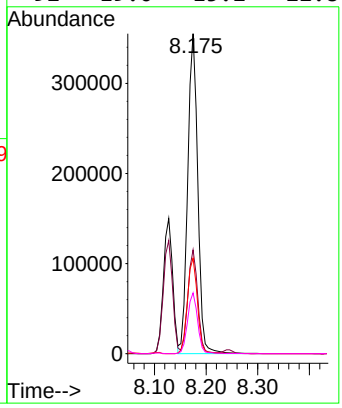


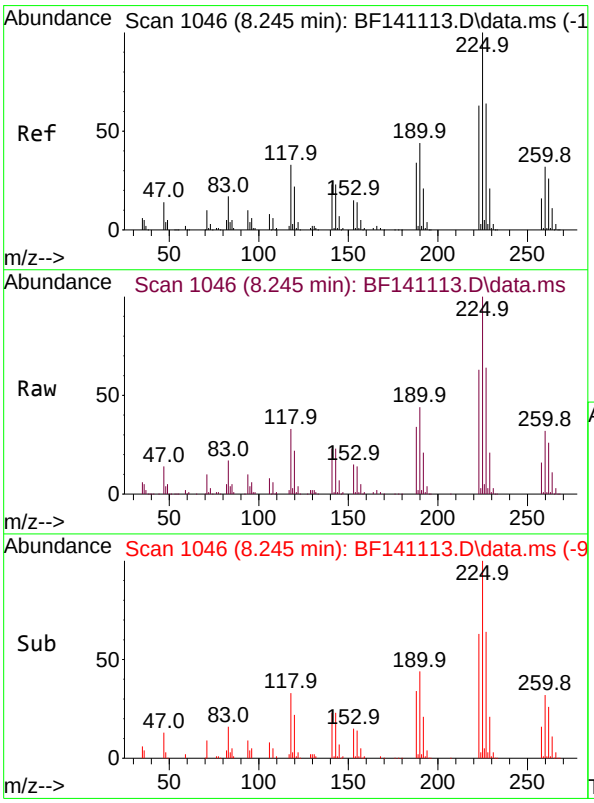
#33
4-Chloroaniline
Concen: 37.789 ng
RT: 8.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:127 Resp: 479132

Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.9	38.9
65	29.8	23.8	35.8
92	19.0	15.2	22.8

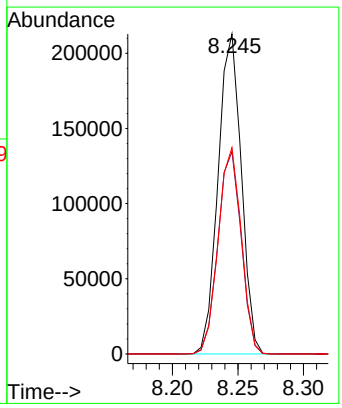


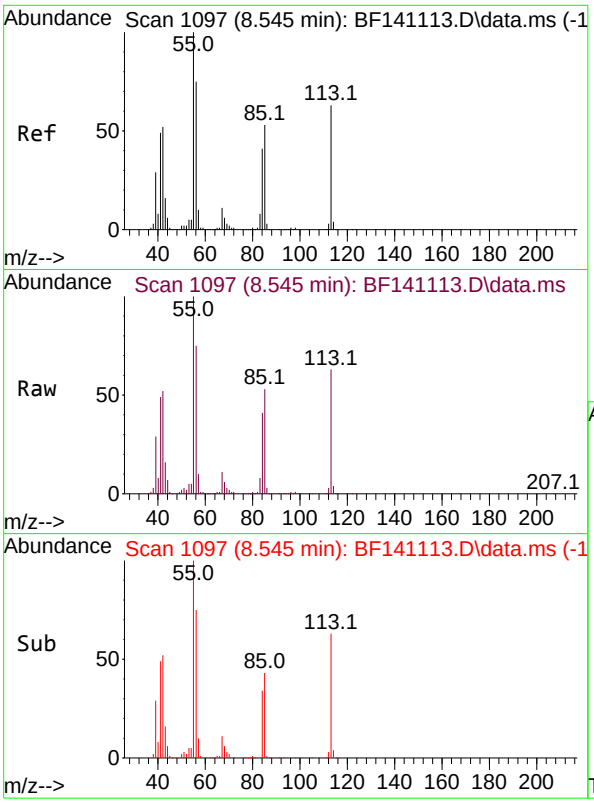


#34
Hexachlorobutadiene
Concen: 38.143 ng
RT: 8.245 min Scan# 1046
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:225 Resp: 261671

Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.6	76.0
227	64.5	51.6	77.4



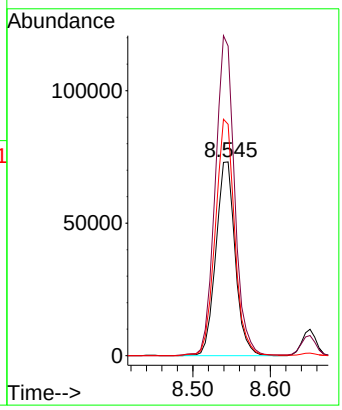


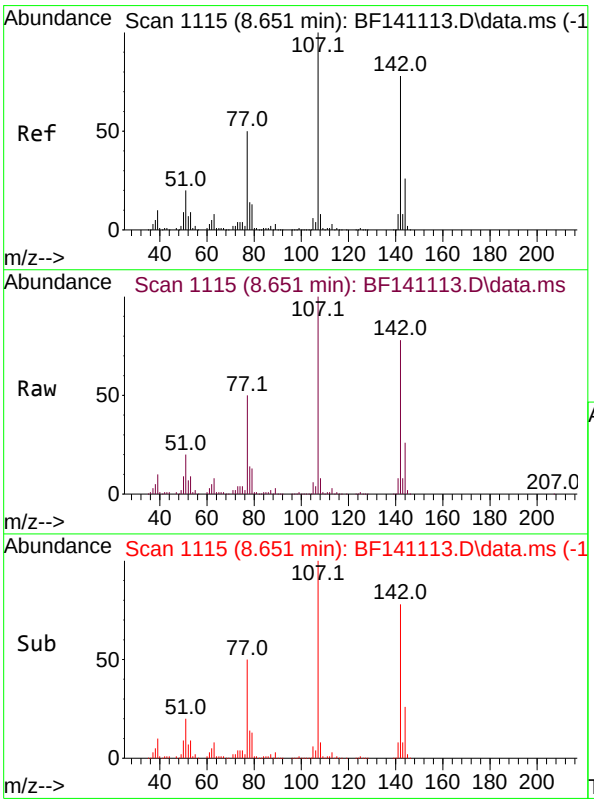
#35
Caprolactam
Concen: 38.712 ng
RT: 8.545 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:113 Resp: 126481

Ion	Ratio	Lower	Upper
113	100		
55	159.7	139.7	179.7
56	119.4	99.4	139.4

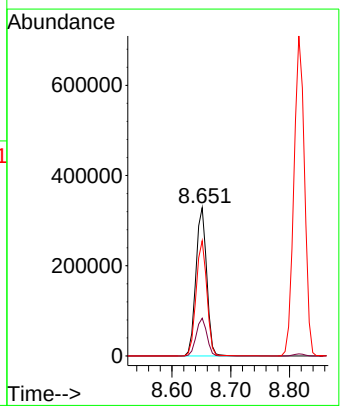


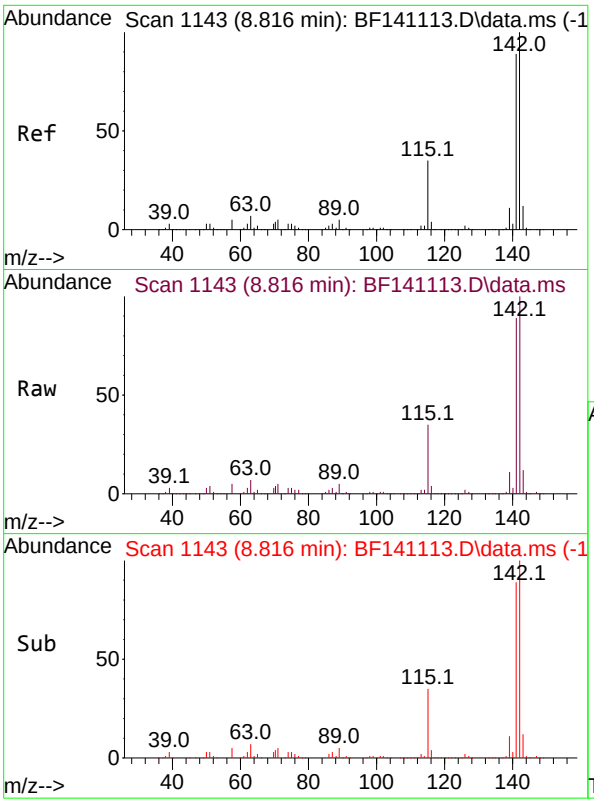


#36
4-Chloro-3-methylphenol
Concen: 38.566 ng
RT: 8.651 min Scan# 1115
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:107 Resp: 420106

Ion	Ratio	Lower	Upper
107	100		
144	25.5	20.4	30.6
142	77.7	62.2	93.2



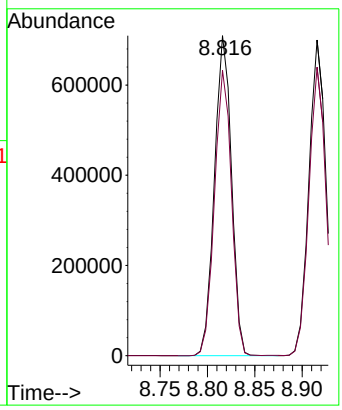


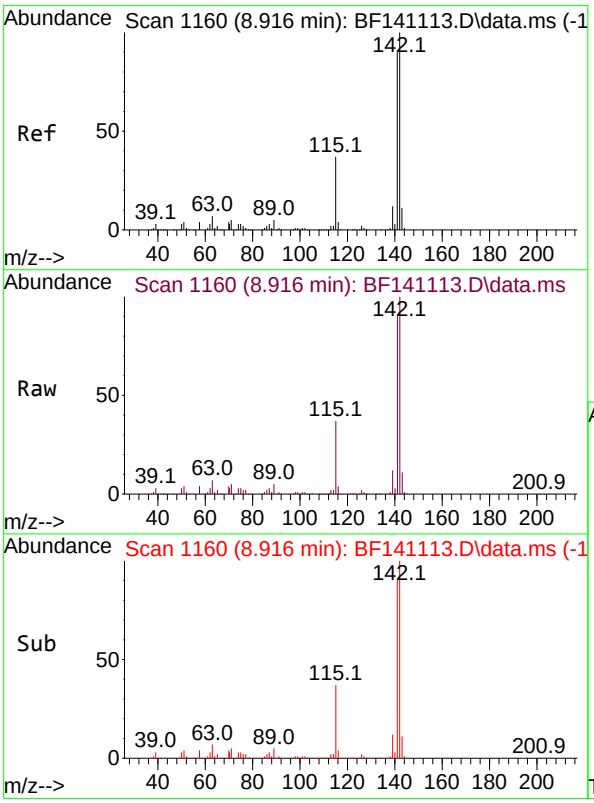
#37
2-Methylnaphthalene
Concen: 37.973 ng
RT: 8.816 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 887132

Ion	Ratio	Lower	Upper
142	100		
141	89.1	71.3	106.9

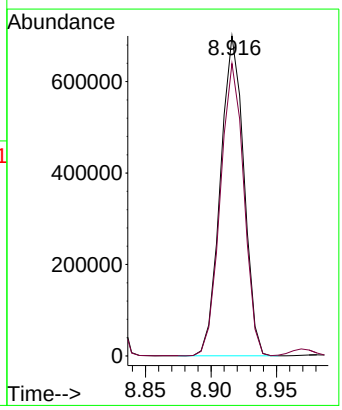


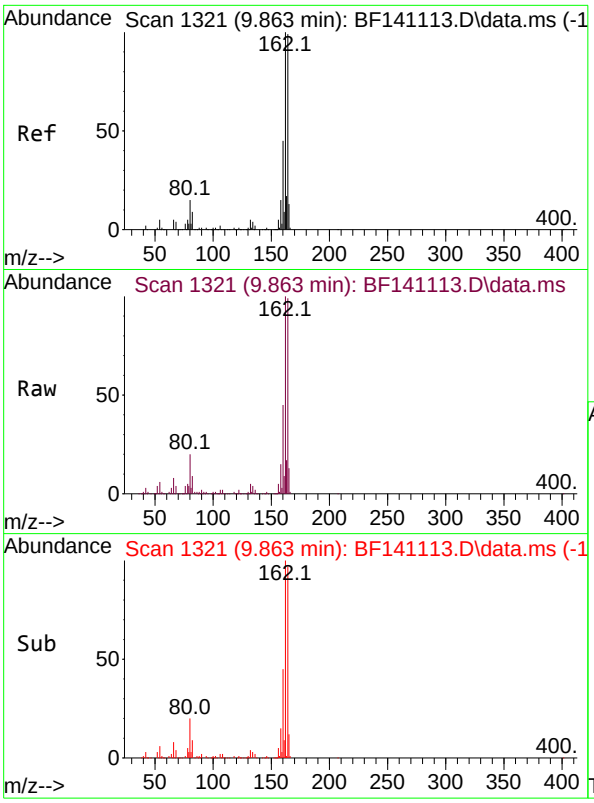


#38
1-Methylnaphthalene
Concen: 37.724 ng
RT: 8.916 min Scan# 1160
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:142 Resp: 868573

Ion	Ratio	Lower	Upper
142	100		
141	91.4	73.1	109.7



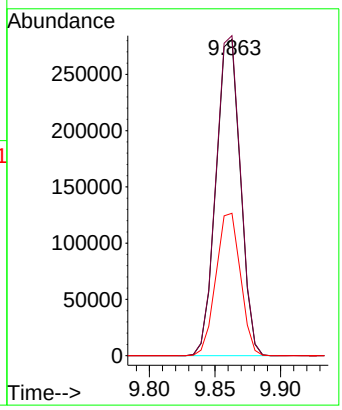


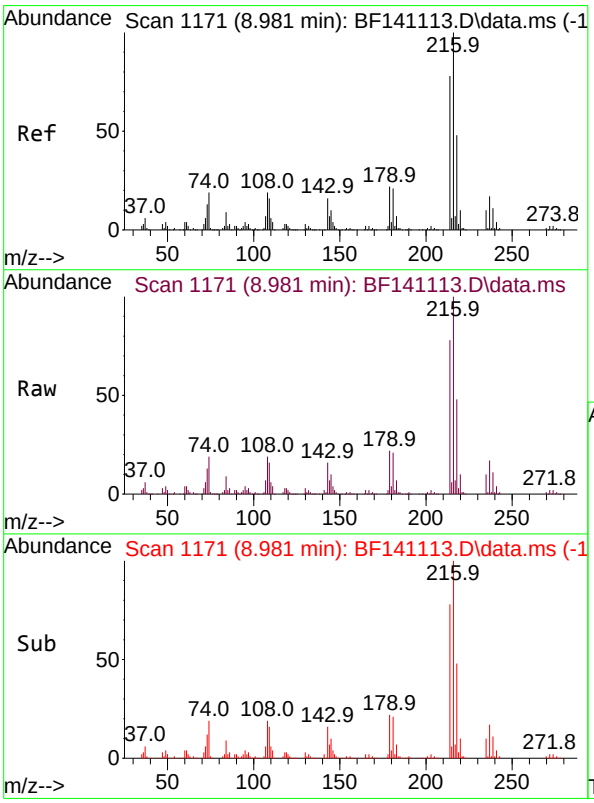
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:164 Resp: 363903

Ion	Ratio	Lower	Upper
164	100		
162	101.2	81.0	121.4
160	45.1	36.1	54.1

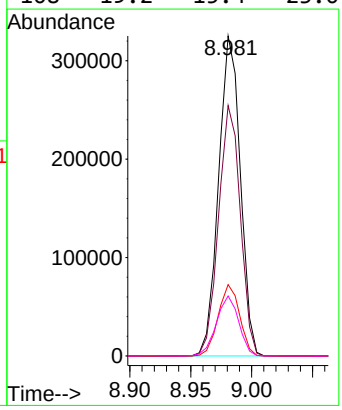


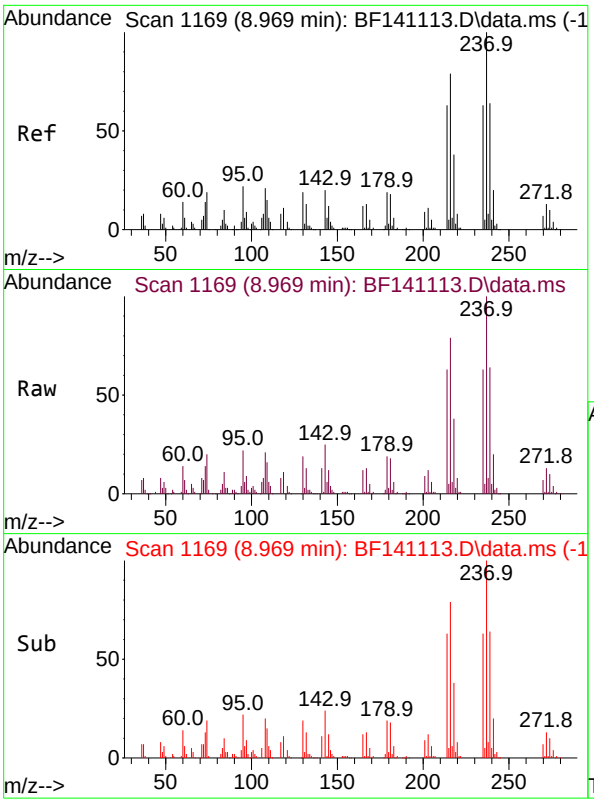


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.626 ng
RT: 8.981 min Scan# 1171
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:216 Resp: 403442

Ion	Ratio	Lower	Upper
216	100		
214	78.3	62.6	94.0
179	22.1	17.7	26.5
108	19.2	15.4	23.0



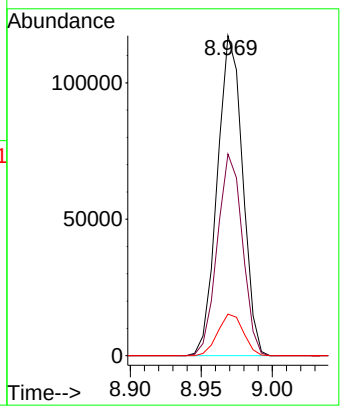


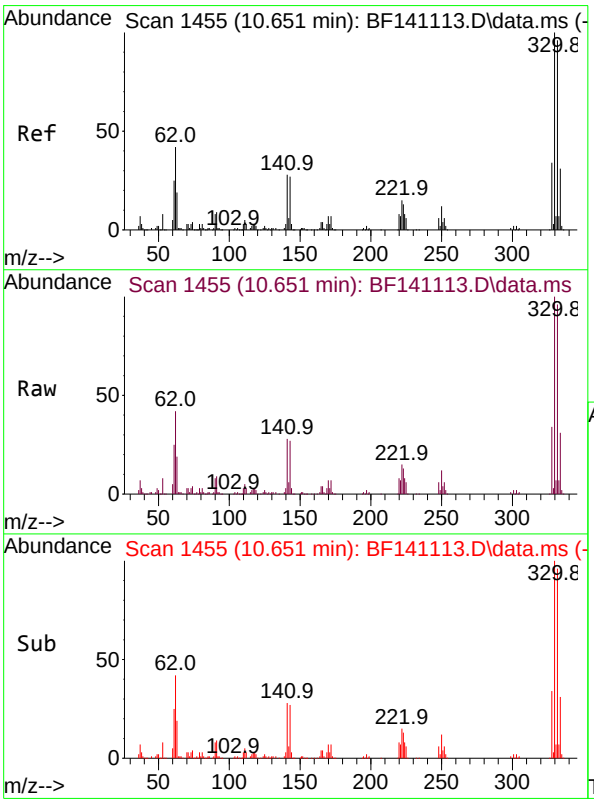
#41
Hexachlorocyclopentadiene
Concen: 42.508 ng
RT: 8.969 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 145258

Ion	Ratio	Lower	Upper
237	100		
235	63.0	43.0	83.0
272	13.0	0.0	33.0

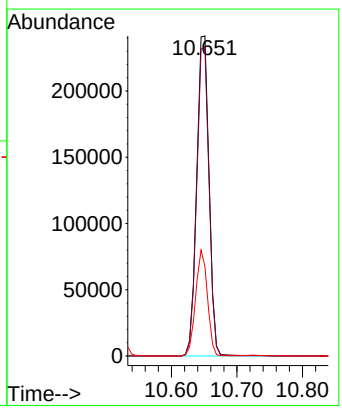


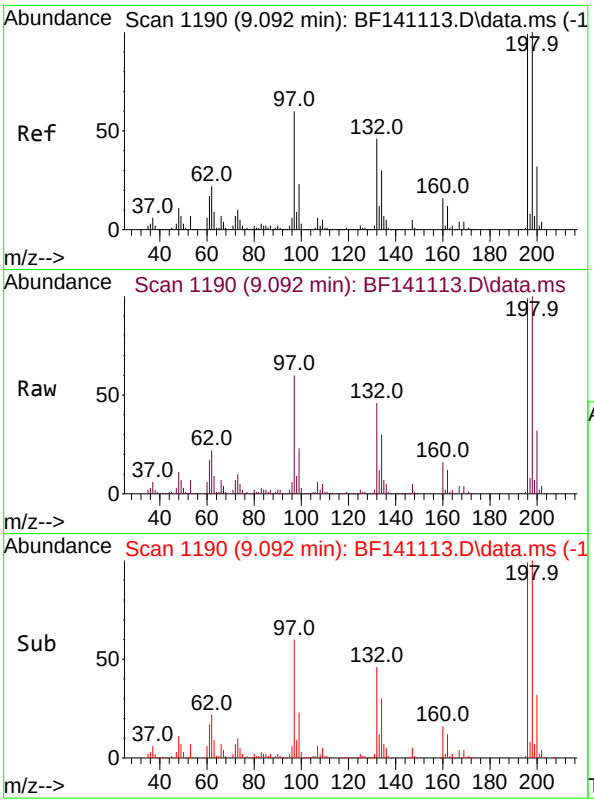


#42
2,4,6-Tribromophenol
Concen: 76.709 ng
RT: 10.651 min Scan# 1455
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:330 Resp: 318067

Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.9	115.3
141	31.5	25.2	37.8



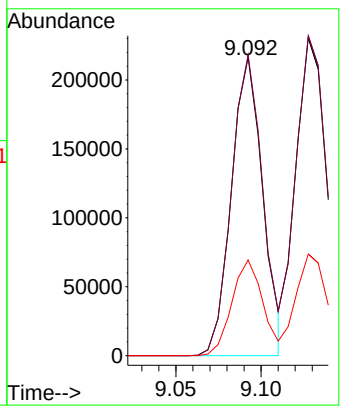


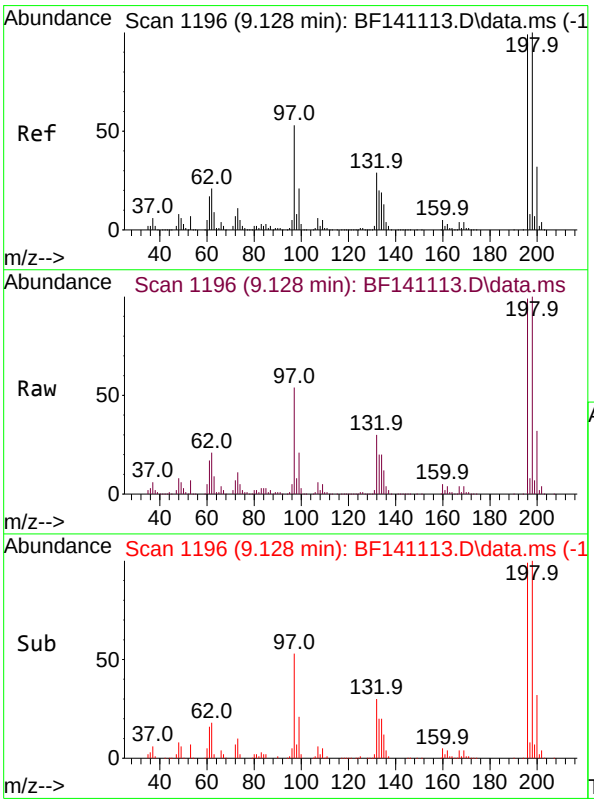
#43
2,4,6-Trichlorophenol
Concen: 39.231 ng
RT: 9.092 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:196 Resp: 276355

Ion	Ratio	Lower	Upper
196	100		
198	101.0	80.8	121.2
200	32.1	25.7	38.5

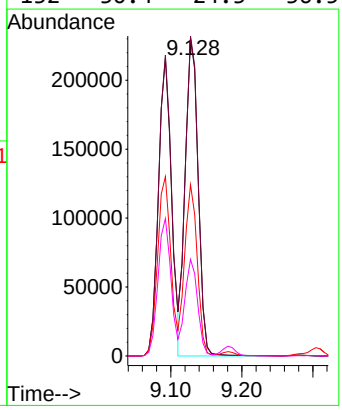


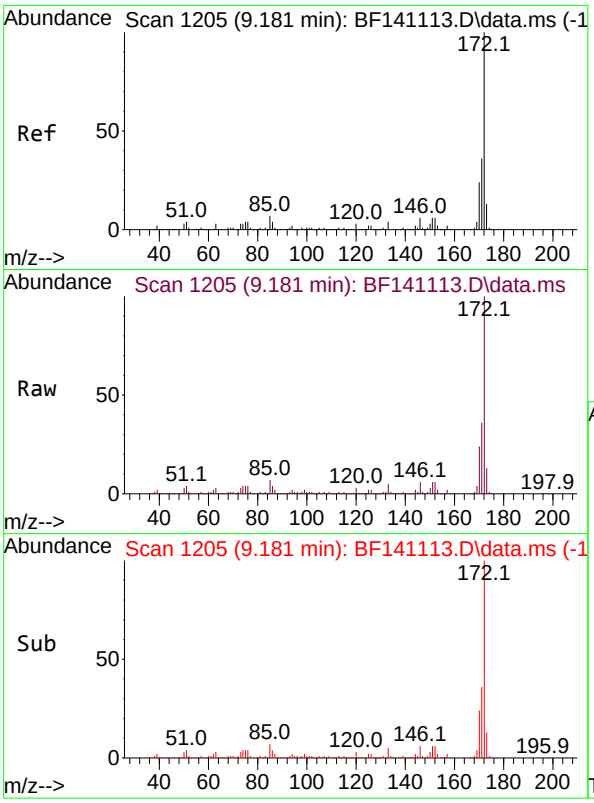


#44
2,4,5-Trichlorophenol
Concen: 39.203 ng
RT: 9.128 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:196 Resp: 291660

Ion	Ratio	Lower	Upper
196	100		
198	100.7	80.6	120.8
97	53.9	43.1	64.7
132	30.4	24.3	36.5



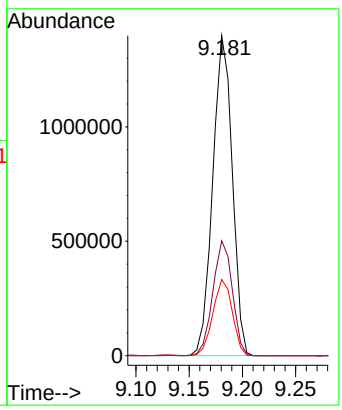


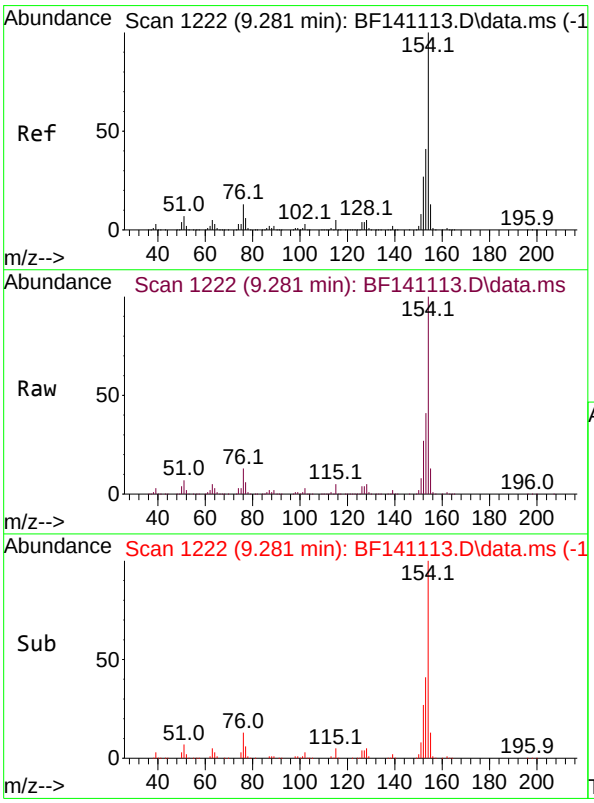
#45
2-Fluorobiphenyl
Concen: 74.817 ng
RT: 9.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:172 Resp: 1782936

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.7	43.1
170	23.8	19.0	28.6

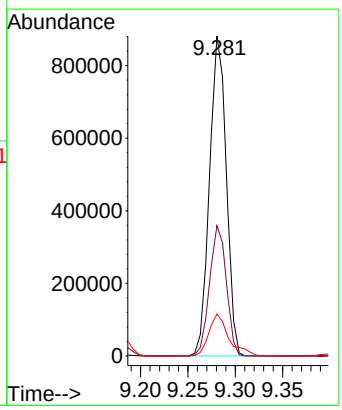


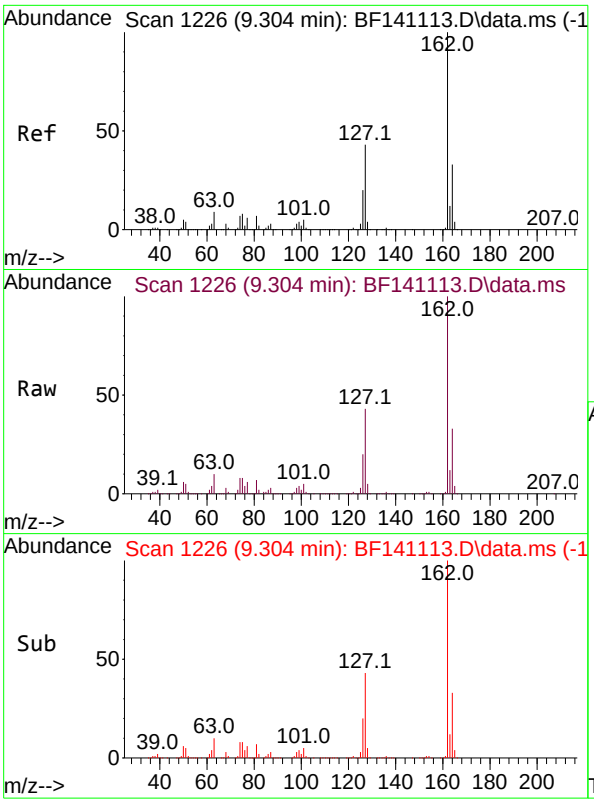


#46
1,1'-Biphenyl
Concen: 38.380 ng
RT: 9.281 min Scan# 1222
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:154 Resp: 1084649

Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.7	60.7
76	13.1	0.0	33.1



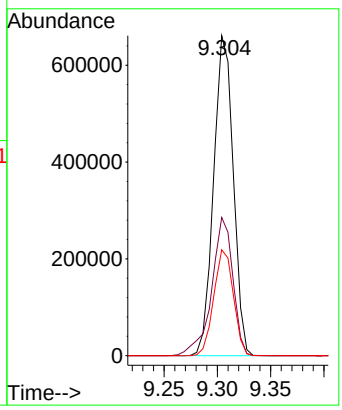


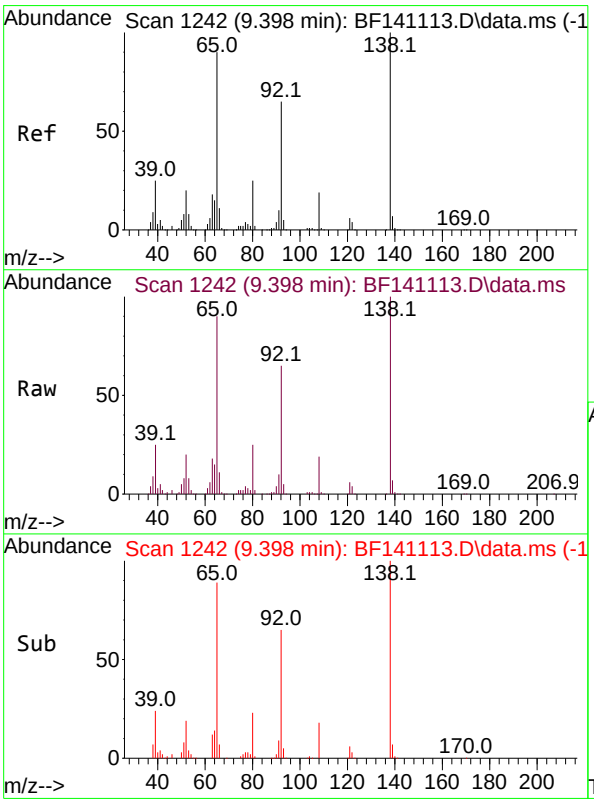
#47
2-Chloronaphthalene
Concen: 38.499 ng
RT: 9.304 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 847410

Ion	Ratio	Lower	Upper
162	100		
127	43.2	34.6	51.8
164	33.1	26.5	39.7

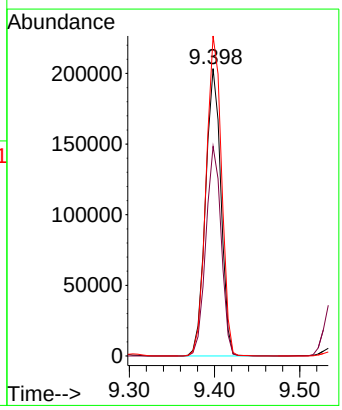


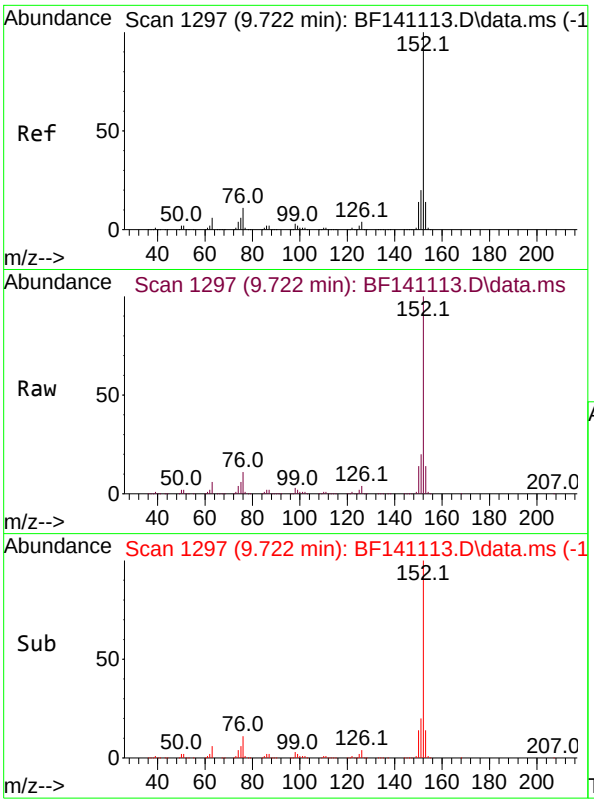


#48
2-Nitroaniline
Concen: 39.114 ng
RT: 9.398 min Scan# 1242
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion: 65 Resp: 255218

Ion	Ratio	Lower	Upper
65	100		
92	72.9	58.3	87.5
138	111.4	89.1	133.7



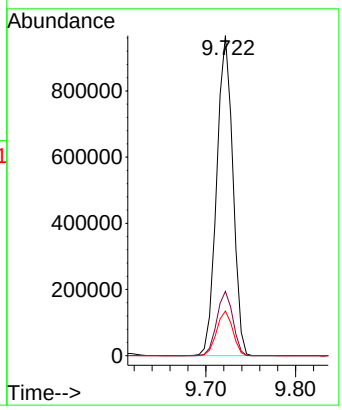


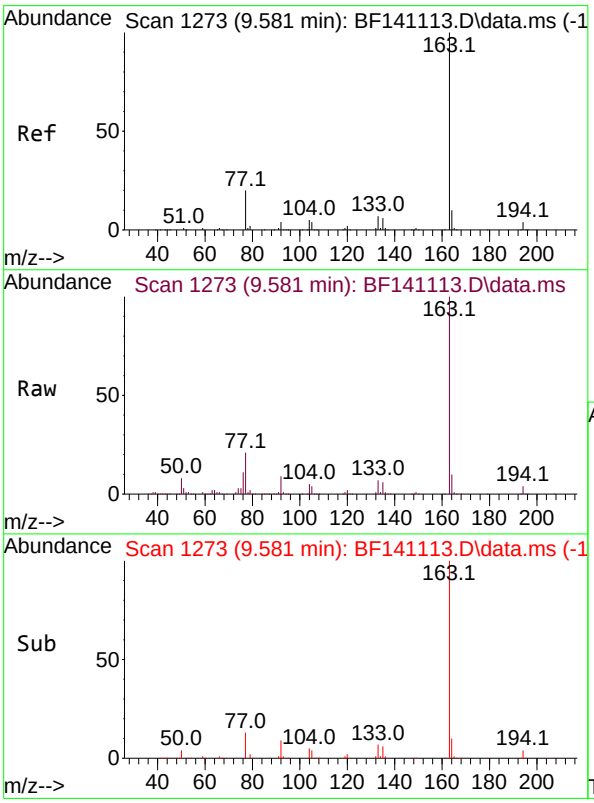
#49
Acenaphthylene
Concen: 38.412 ng
RT: 9.722 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 1207984

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.1	24.1
153	13.9	11.1	16.7

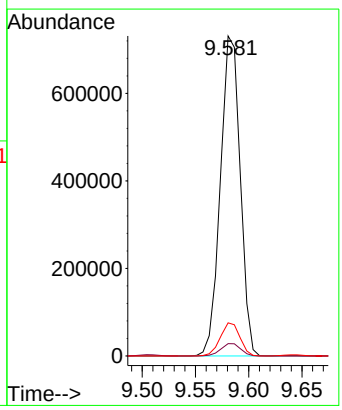


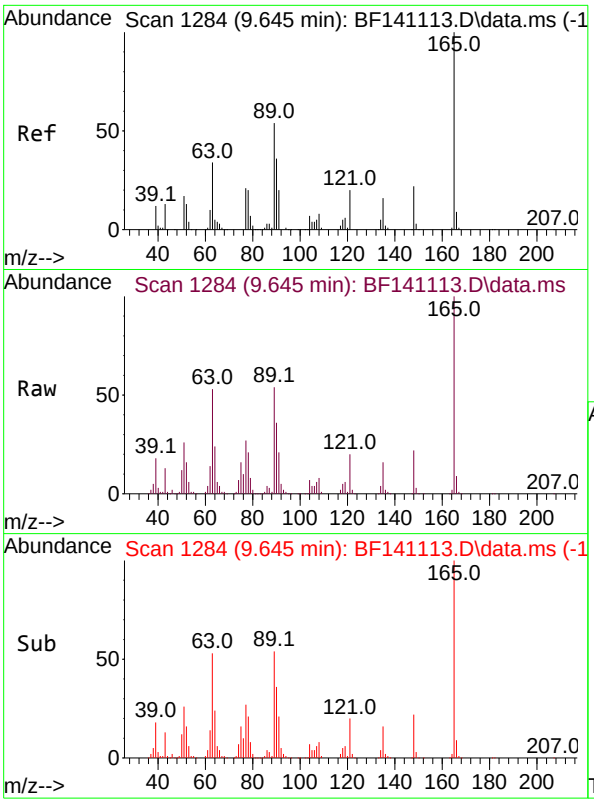


#50
Dimethylphthalate
Concen: 38.695 ng
RT: 9.581 min Scan# 1273
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:163 Resp: 945319

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	10.3	8.2	12.4



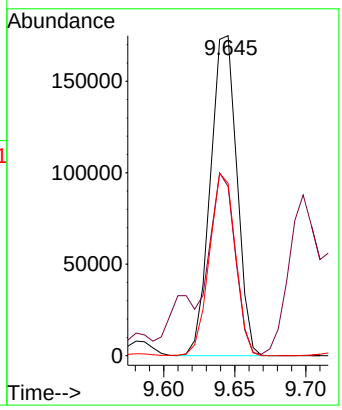


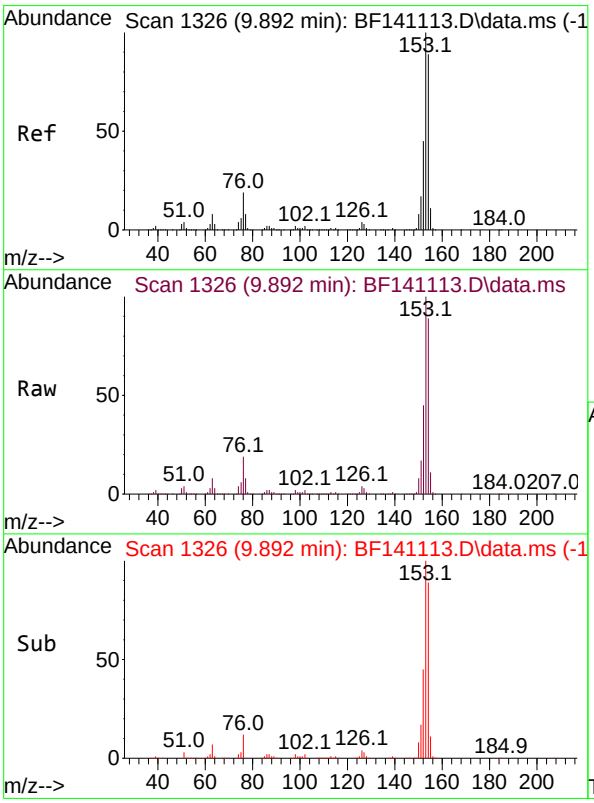
#51
2,6-Dinitrotoluene
Concen: 39.953 ng
RT: 9.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 226979

Ion	Ratio	Lower	Upper
165	100		
63	52.9	42.3	63.5
89	53.9	43.1	64.7

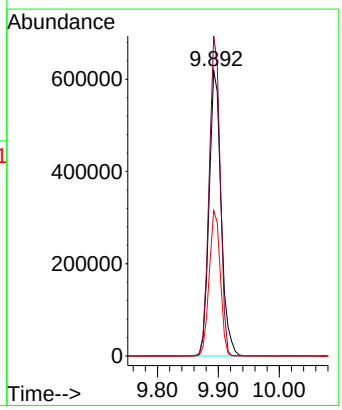


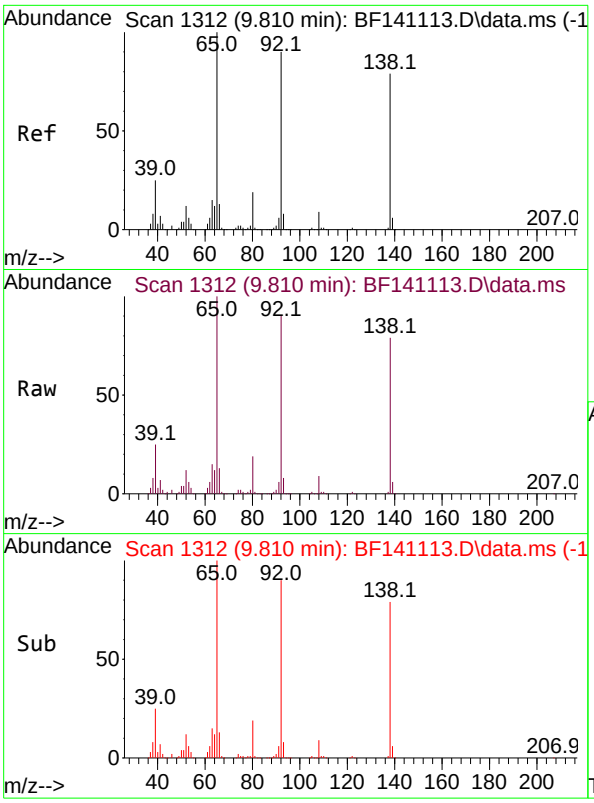


#52
Acenaphthene
Concen: 38.579 ng
RT: 9.892 min Scan# 1326
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:154 Resp: 847617

Ion	Ratio	Lower	Upper
154	100		
153	112.2	89.8	134.6
152	51.0	40.8	61.2



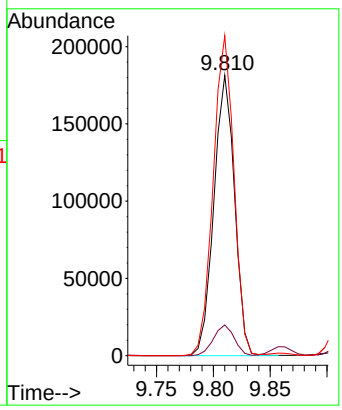


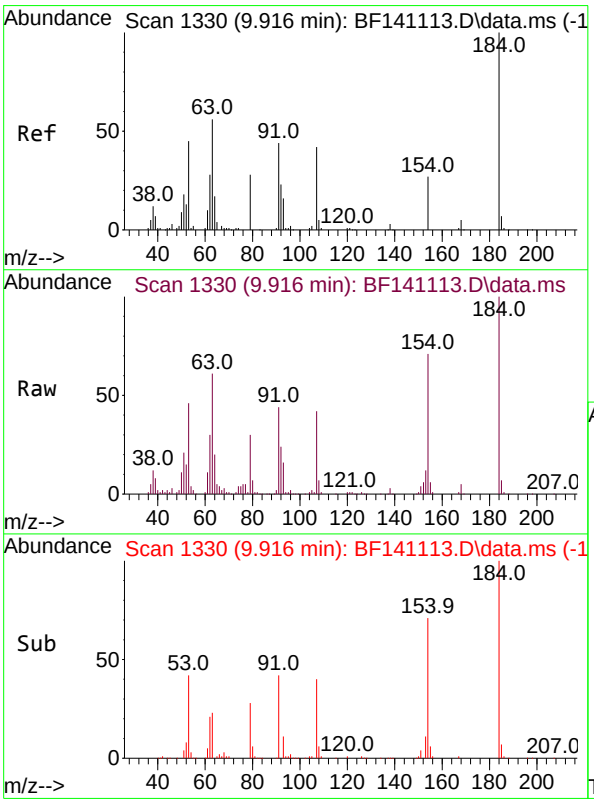
#53
3-Nitroaniline
Concen: 39.816 ng
RT: 9.810 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:138 Resp: 229868

Ion	Ratio	Lower	Upper
138	100		
108	11.0	8.8	13.2
92	114.1	91.3	136.9

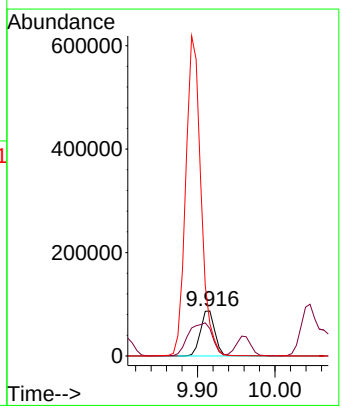


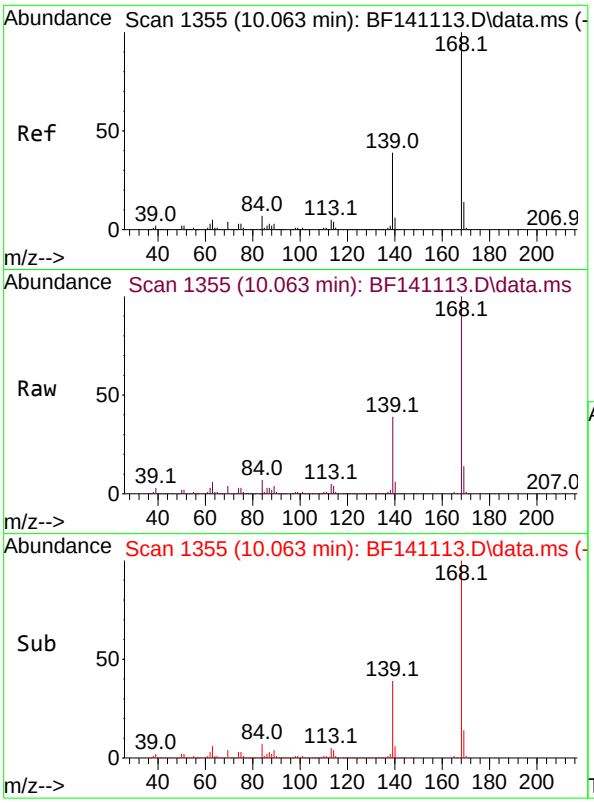


#54
2,4-Dinitrophenol
Concen: 41.896 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:184 Resp: 113135

Ion	Ratio	Lower	Upper
184	100		
63	60.9	48.7	73.1
154	71.4	57.1	85.7



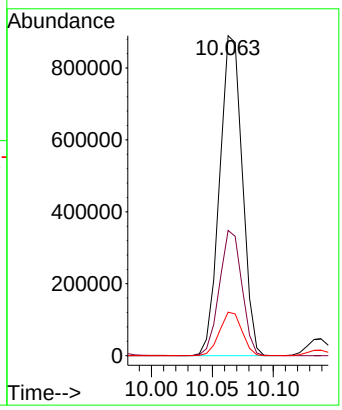


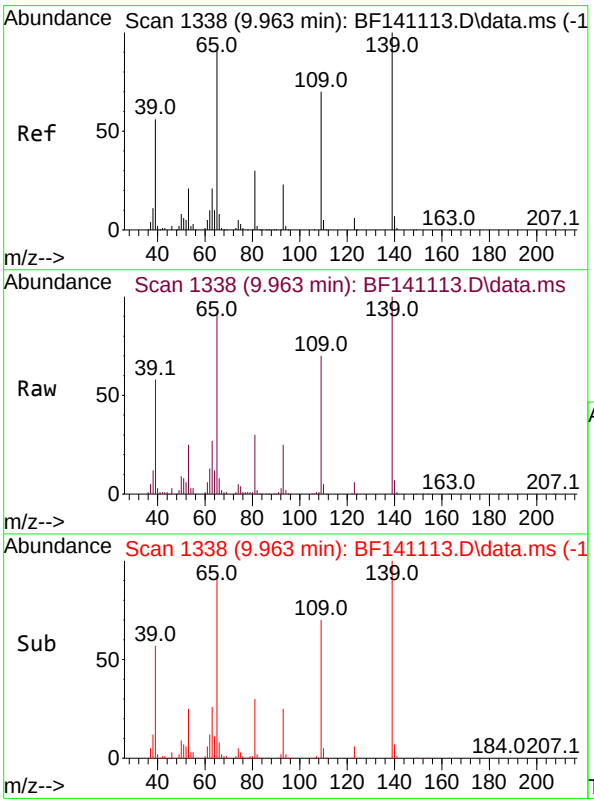
#55
Dibenzofuran
Concen: 38.617 ng
RT: 10.063 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:168 Resp: 1154072

Ion	Ratio	Lower	Upper
168	100		
139	39.2	31.4	47.0
169	13.6	10.9	16.3

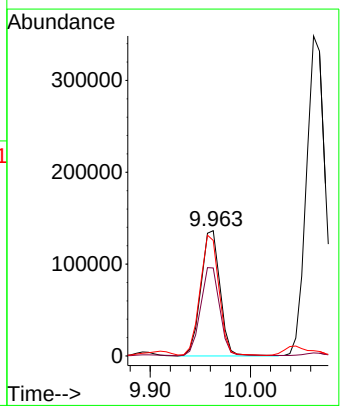


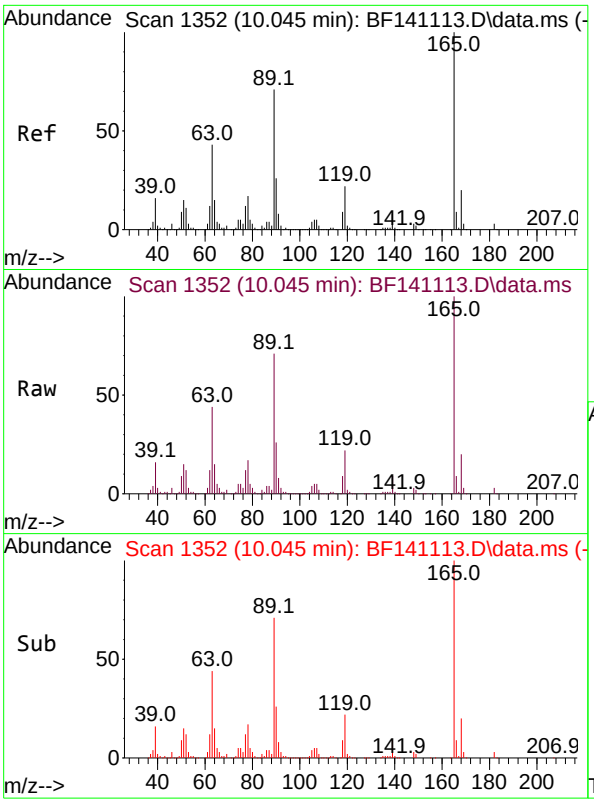


#56
4-Nitrophenol
Concen: 40.228 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:139 Resp: 181889

Ion	Ratio	Lower	Upper
139	100		
109	70.2	50.2	90.2
65	92.1	72.1	112.1



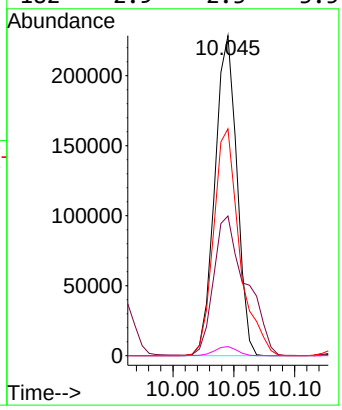


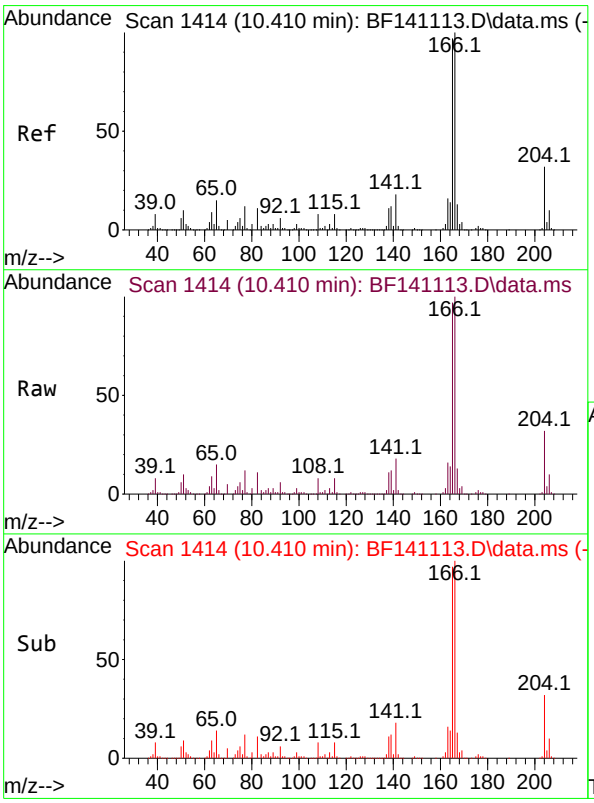
#57
2,4-Dinitrotoluene
Concen: 39.314 ng
RT: 10.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 287835

Ion	Ratio	Lower	Upper
165	100		
63	43.7	35.0	52.4
89	70.9	56.7	85.1
182	2.9	2.3	3.5

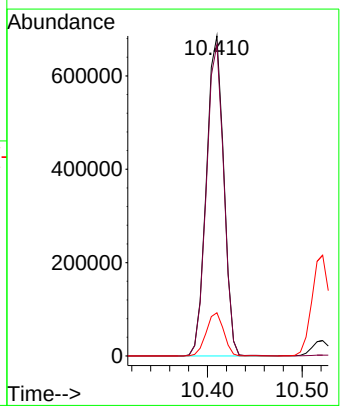


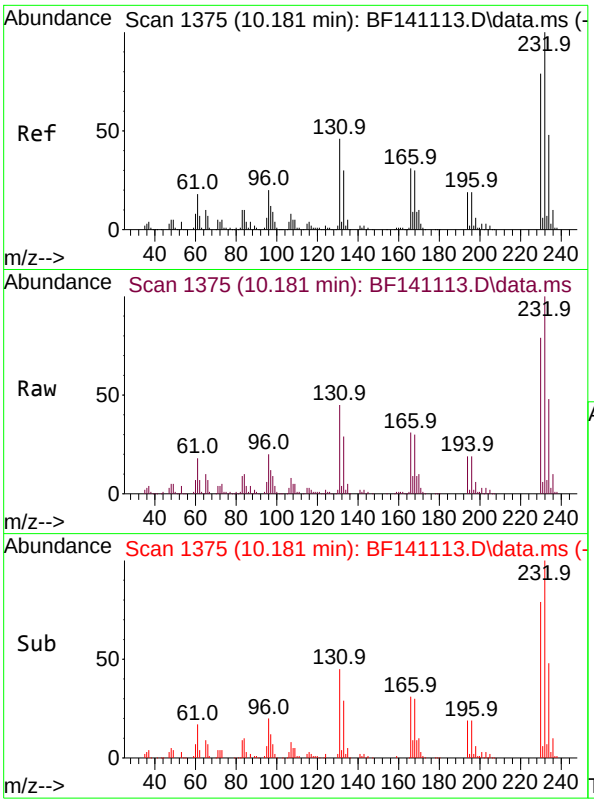


#58
Fluorene
Concen: 37.508 ng
RT: 10.410 min Scan# 1414
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:166 Resp: 870839

Ion	Ratio	Lower	Upper
166	100		
165	97.3	77.8	116.8
167	13.5	10.8	16.2



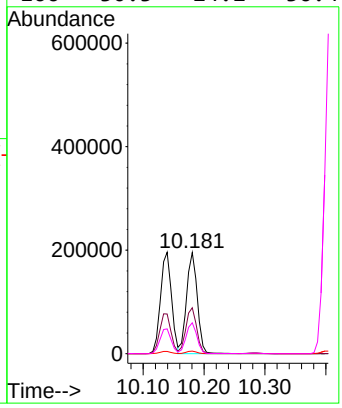


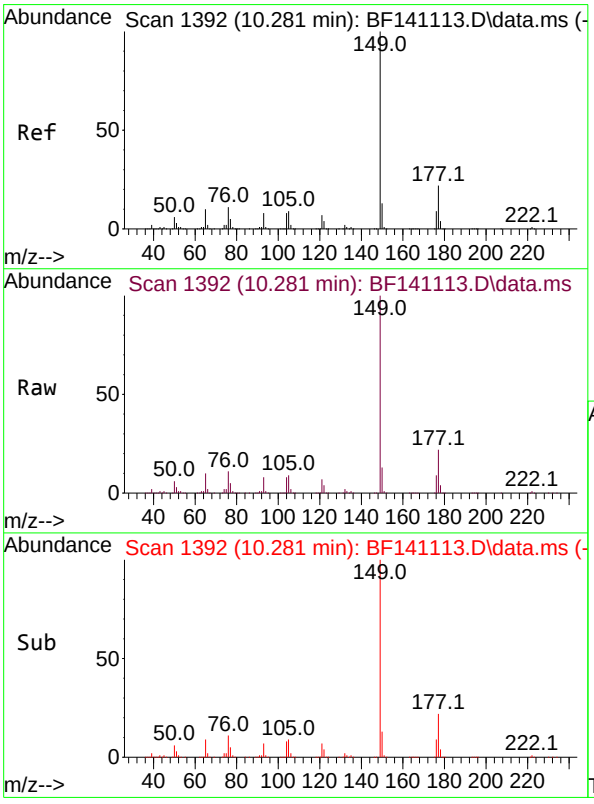
#59
2,3,4,6-Tetrachlorophenol
Concen: 39.022 ng
RT: 10.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:232 Resp: 241313

Ion	Ratio	Lower	Upper
232	100		
131	45.3	36.2	54.4
130	2.5	2.0	3.0
166	30.3	24.2	36.4

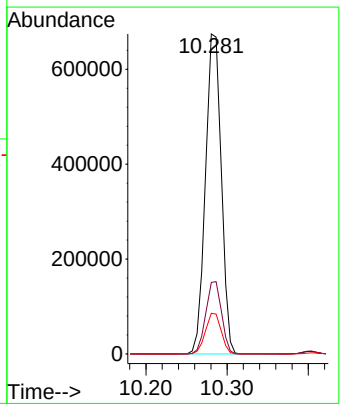


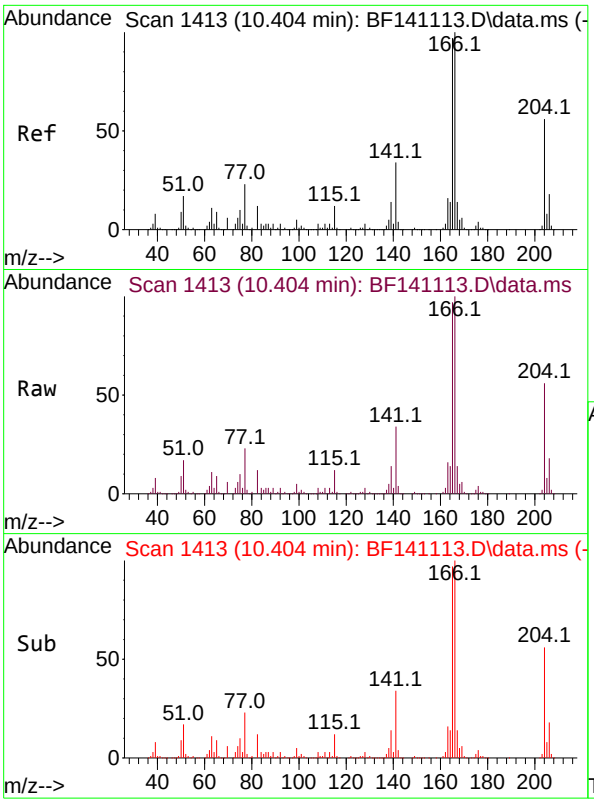


#60
Diethylphthalate
Concen: 38.240 ng
RT: 10.281 min Scan# 1392
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:149 Resp: 912032

Ion	Ratio	Lower	Upper
149	100		
177	22.4	17.9	26.9
150	12.7	10.2	15.2



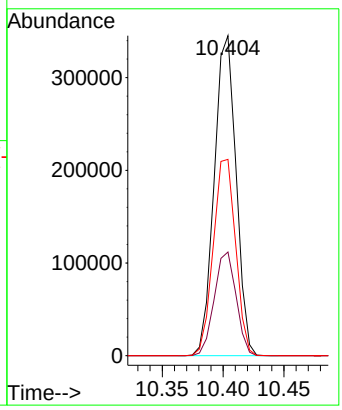


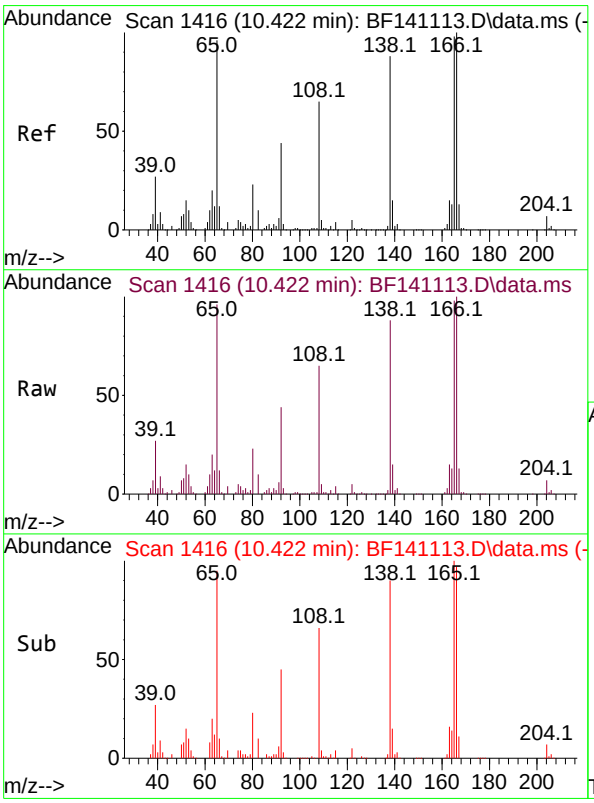
#61
4-Chlorophenyl-phenylether
Concen: 38.175 ng
RT: 10.404 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:204 Resp: 431993

Ion	Ratio	Lower	Upper
204	100		
206	32.4	25.9	38.9
141	61.4	49.1	73.7

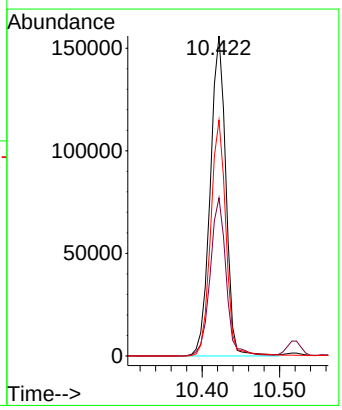


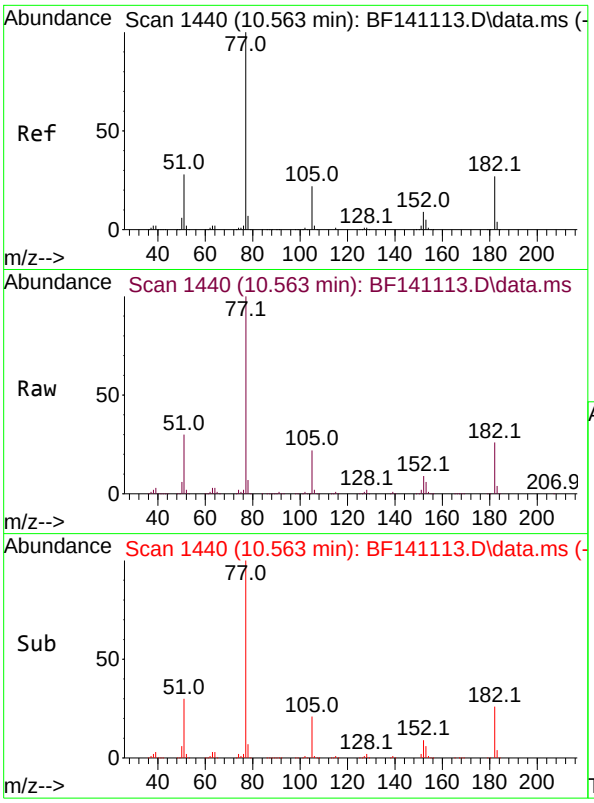


#62
4-Nitroaniline
Concen: 38.644 ng
RT: 10.422 min Scan# 1416
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:138 Resp: 218358

Ion	Ratio	Lower	Upper
138	100		
92	49.4	29.4	69.4
108	73.7	53.7	93.7



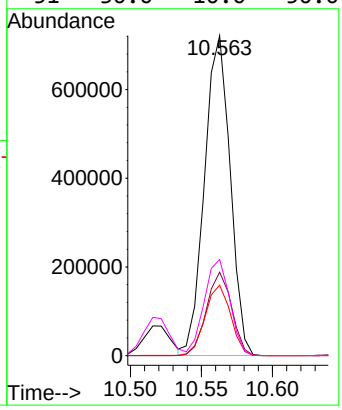


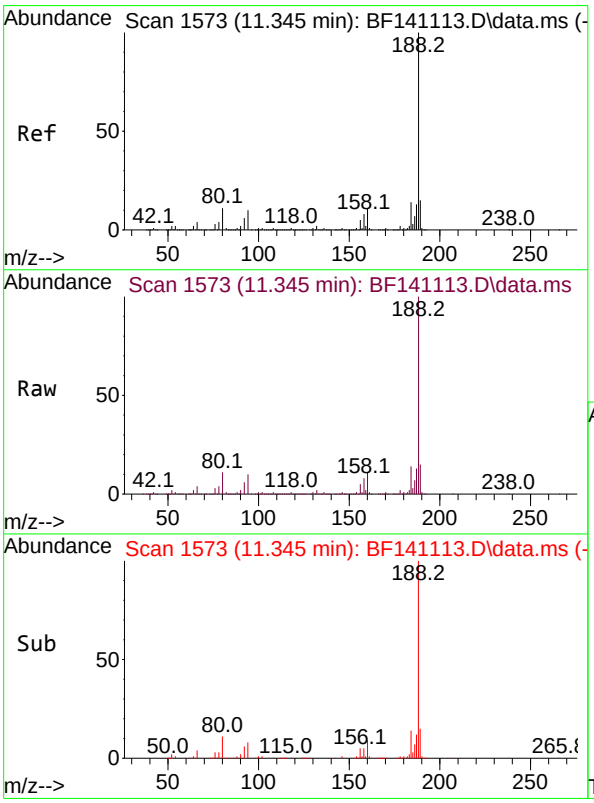
#63
Azobenzene
Concen: 38.497 ng
RT: 10.563 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 905963

Ion	Ratio	Lower	Upper
77	100		
182	26.1	6.1	46.1
105	22.1	2.1	42.1
51	30.0	10.0	50.0

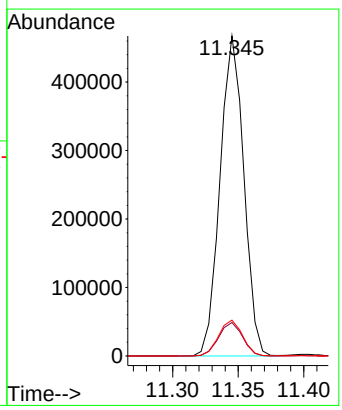


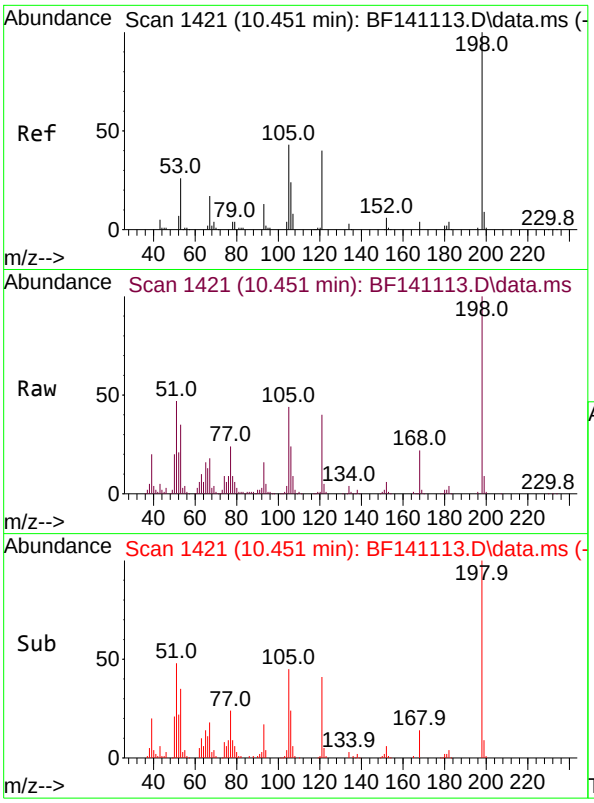


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:188 Resp: 589244

Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.3	12.5
80	11.2	9.0	13.4



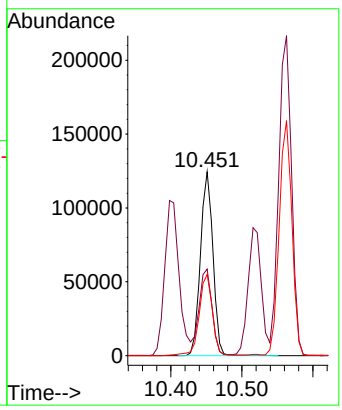


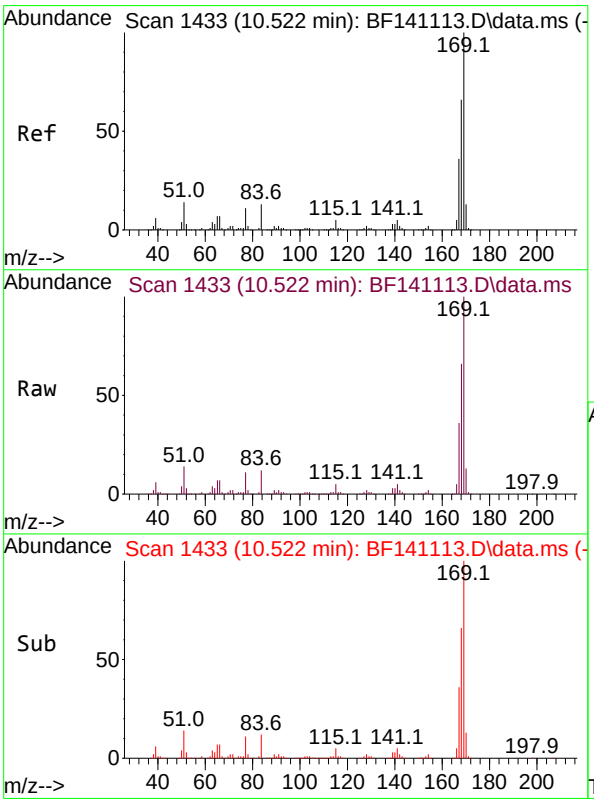
#65
4,6-Dinitro-2-methylphenol
Concen: 44.665 ng
RT: 10.451 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 152510

Ion	Ratio	Lower	Upper
198	100		
51	47.1	27.1	67.1
105	44.2	24.2	64.2

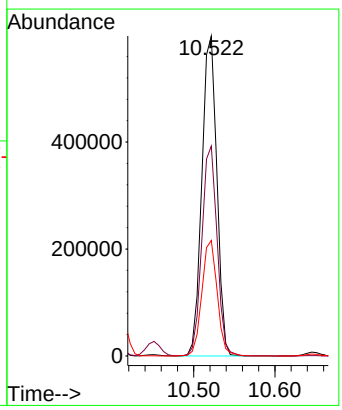


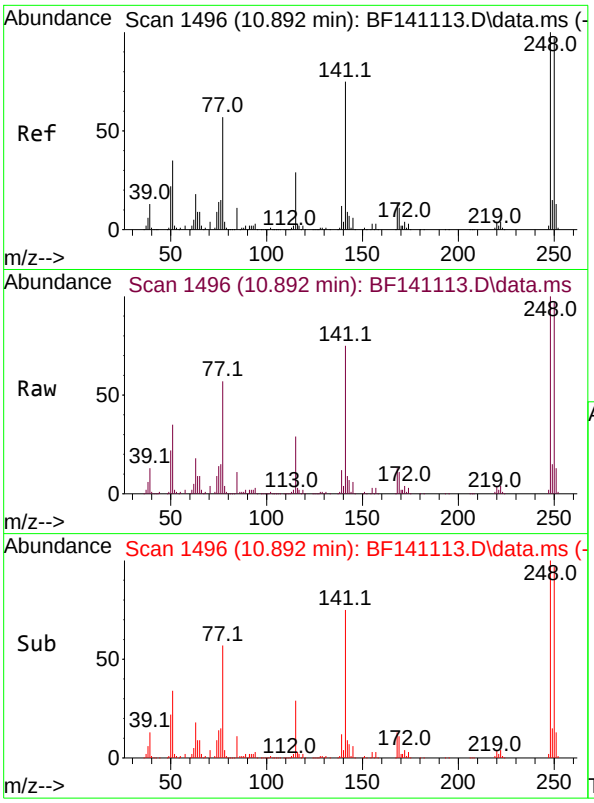


#66
n-Nitrosodiphenylamine
Concen: 40.343 ng
RT: 10.522 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:169 Resp: 766755

Ion	Ratio	Lower	Upper
169	100		
168	65.6	52.5	78.7
167	36.1	28.9	43.3



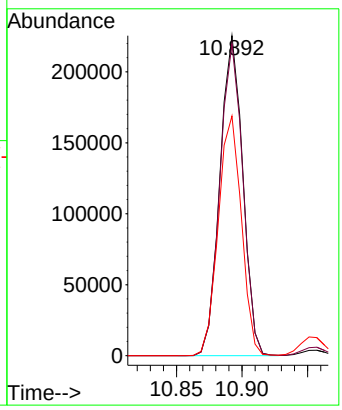


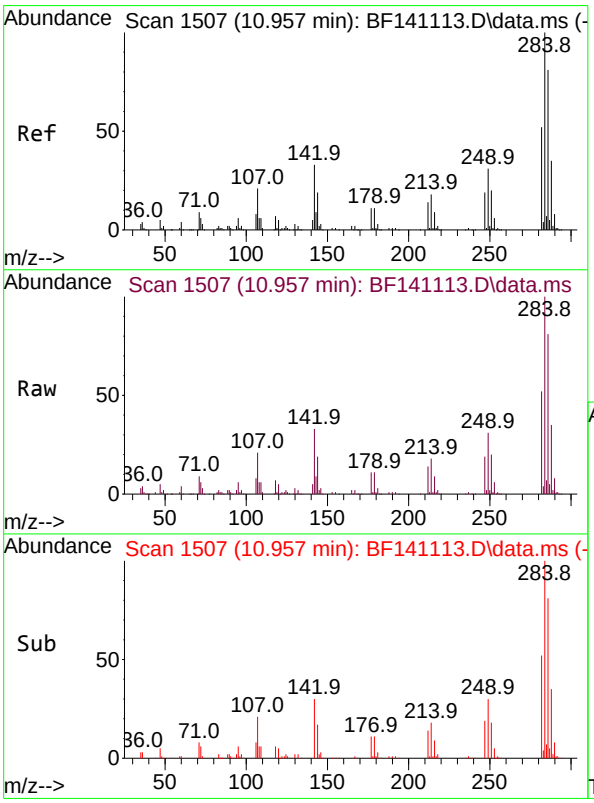
#67
4-Bromophenyl-phenylether
Concen: 40.247 ng
RT: 10.892 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:248 Resp: 273038

Ion	Ratio	Lower	Upper
248	100		
250	97.4	77.9	116.9
141	74.9	59.9	89.9

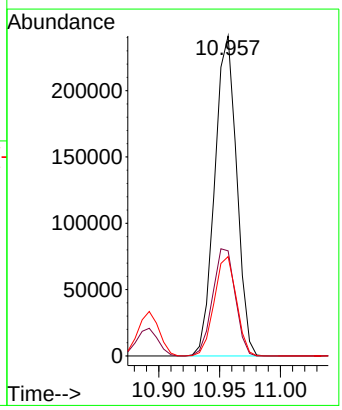


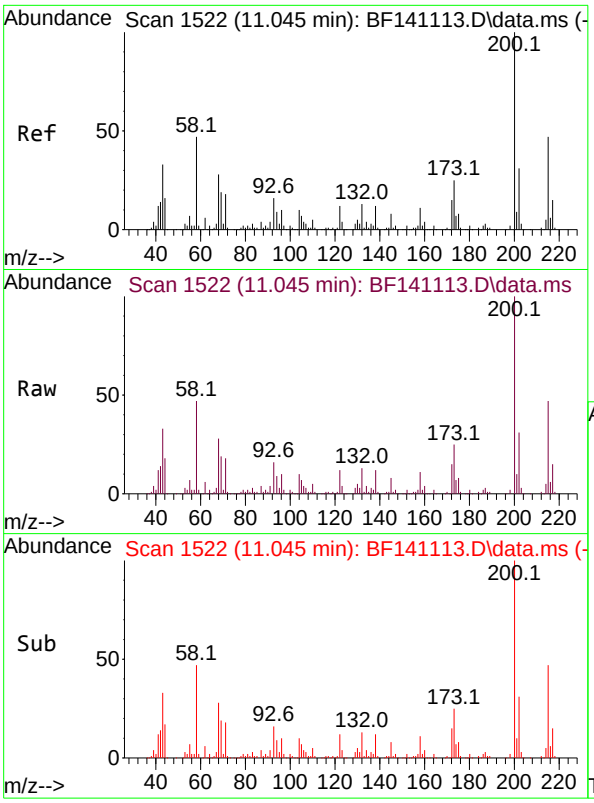


#68
Hexachlorobenzene
Concen: 40.165 ng
RT: 10.957 min Scan# 1507
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:284 Resp: 303316

Ion	Ratio	Lower	Upper
284	100		
142	32.9	26.3	39.5
249	31.1	24.9	37.3



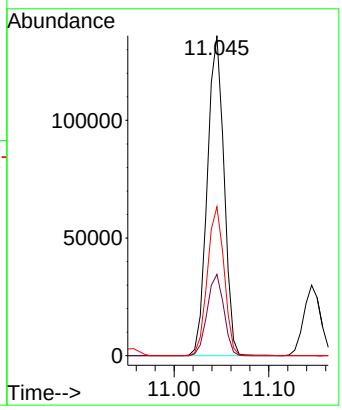


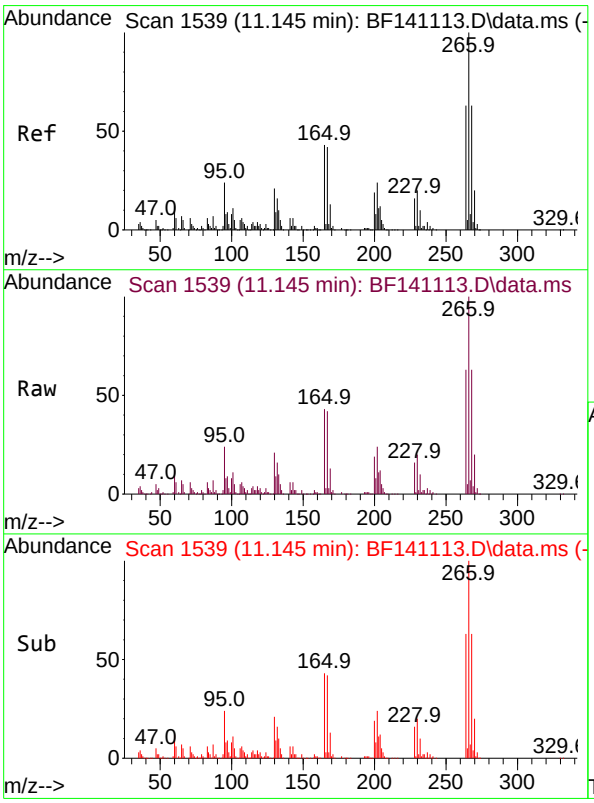
#69
Atrazine
Concen: 32.462 ng
RT: 11.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:200 Resp: 166125

Ion	Ratio	Lower	Upper
200	100		
173	25.4	5.4	45.4
215	46.6	26.6	66.6

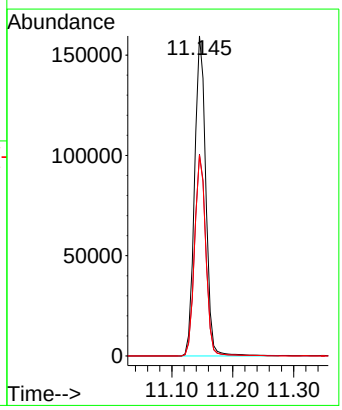


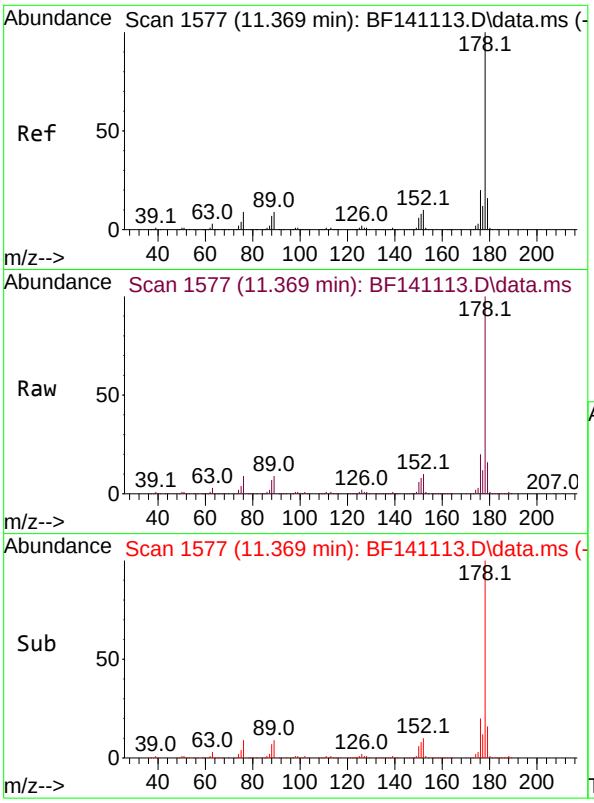


#70
Pentachlorophenol
Concen: 42.241 ng
RT: 11.145 min Scan# 1539
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:266 Resp: 204286

Ion	Ratio	Lower	Upper
266	100		
268	63.0	50.4	75.6
264	62.7	50.2	75.2



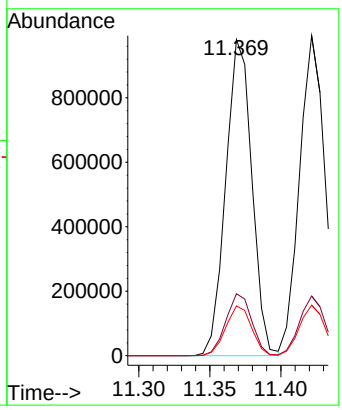


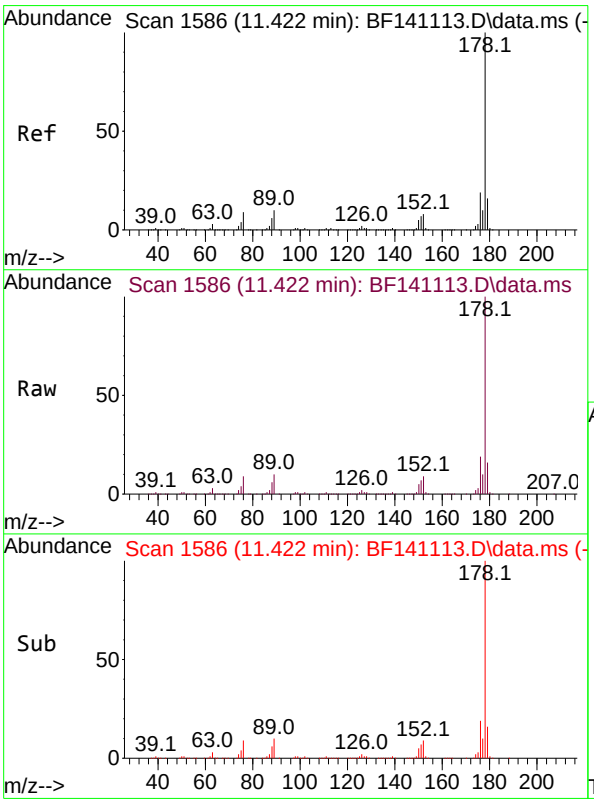
#71
Phenanthrene
Concen: 39.653 ng
RT: 11.369 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:178 Resp: 1254420

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.7	23.5
179	15.8	12.6	19.0

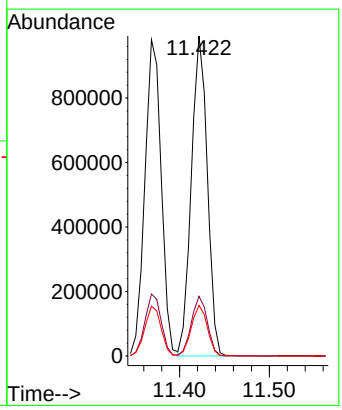


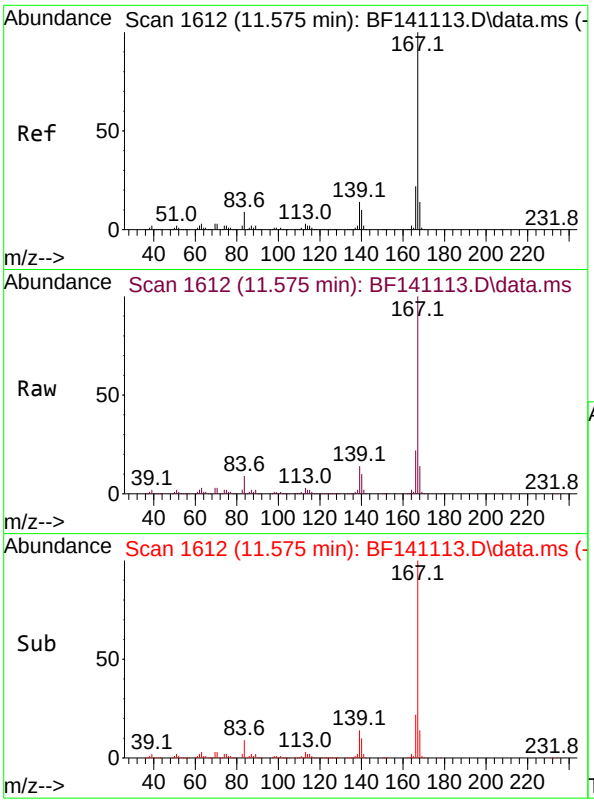


#72
Anthracene
Concen: 39.920 ng
RT: 11.422 min Scan# 1586
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:178 Resp: 1227926

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.9	22.3
179	15.8	12.6	19.0



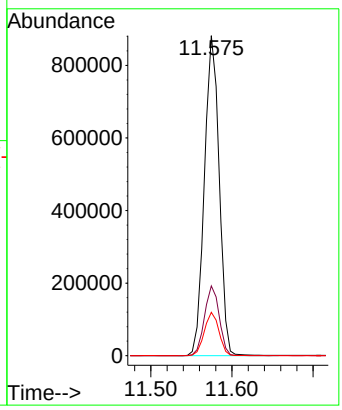


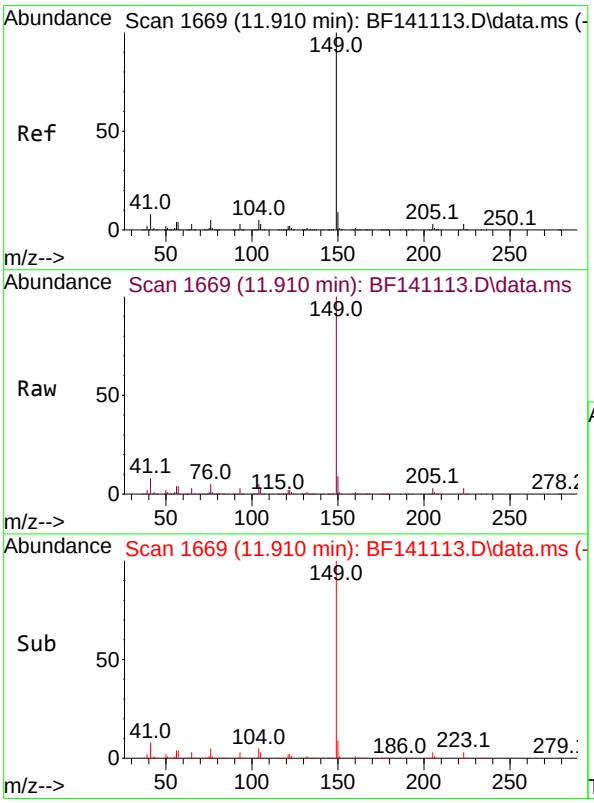
#73
Carbazole
Concen: 39.450 ng
RT: 11.575 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:167 Resp: 1112672

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.4	26.2
139	13.6	10.9	16.3

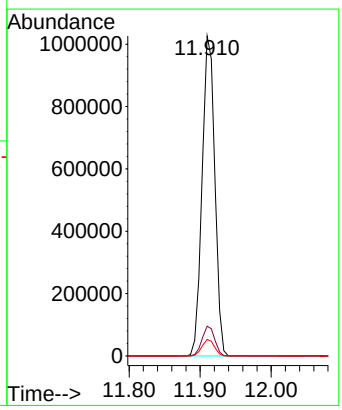


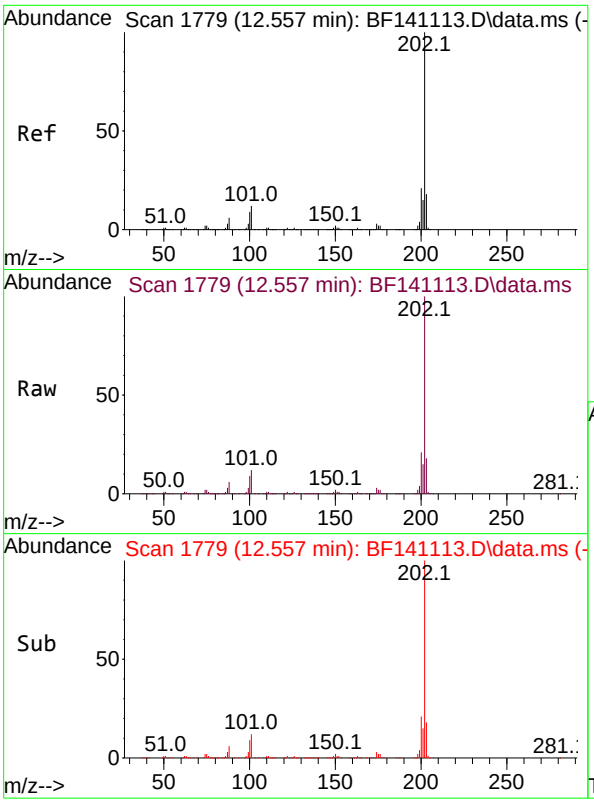


#74
Di-n-butylphthalate
Concen: 39.669 ng
RT: 11.910 min Scan# 1669
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:149 Resp: 1280428

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	5.2	4.2	6.2



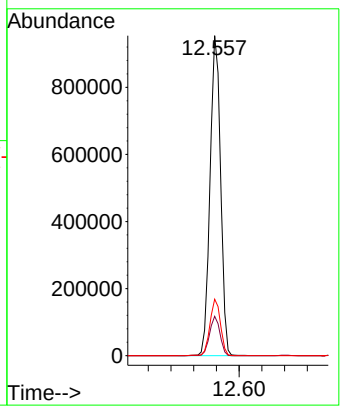


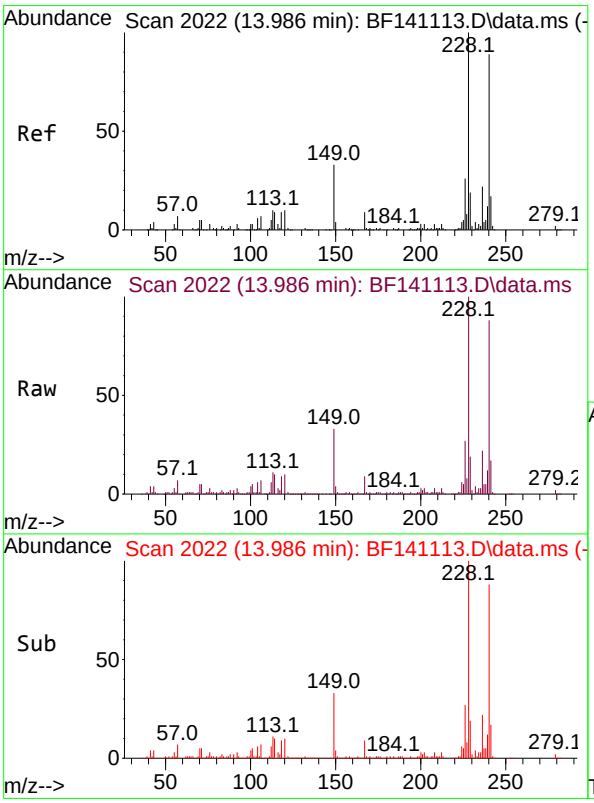
#75
Fluoranthene
Concen: 38.718 ng
RT: 12.557 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:202 Resp: 1222253

Ion	Ratio	Lower	Upper
202	100		
101	12.3	0.0	32.3
203	17.7	0.0	37.7

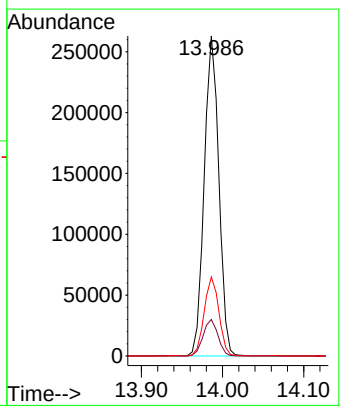


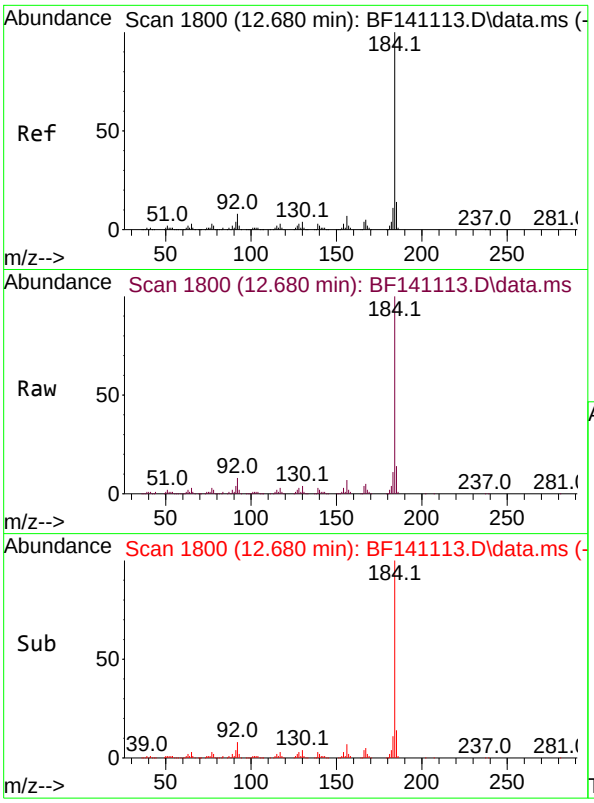


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:240 Resp: 328095

Ion	Ratio	Lower	Upper
240	100		
120	11.4	9.1	13.7
236	24.7	19.8	29.6



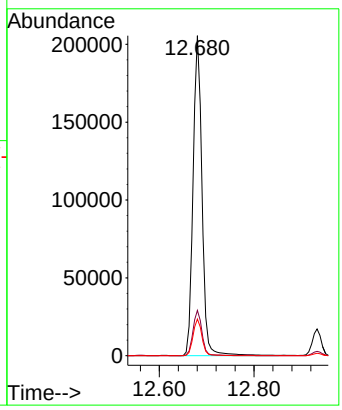


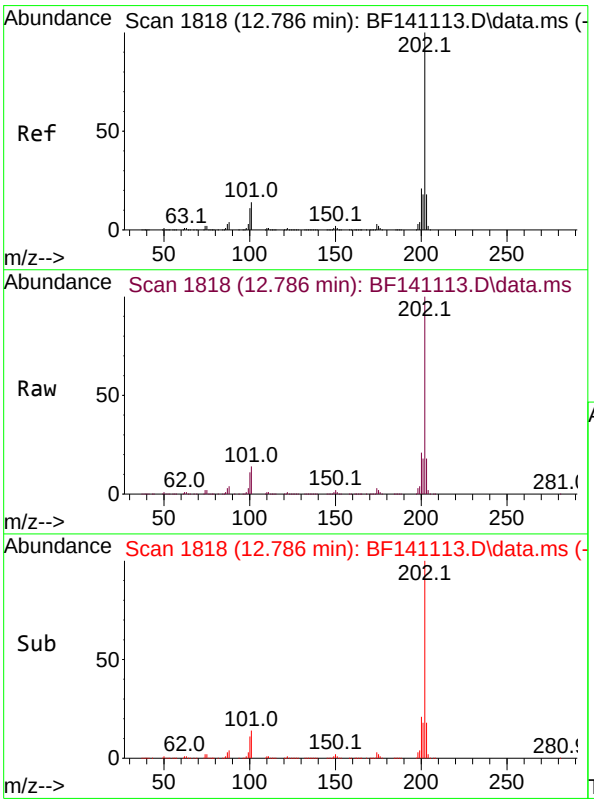
#77
Benzidine
Concen: 44.102 ng
RT: 12.680 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:184 Resp: 268331

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.4	17.0
183	11.5	9.2	13.8

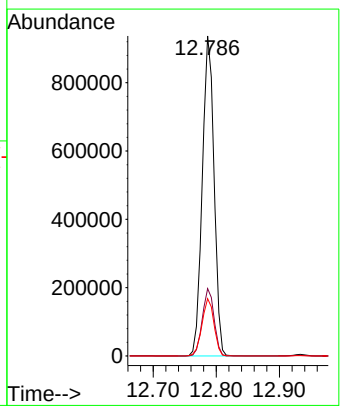


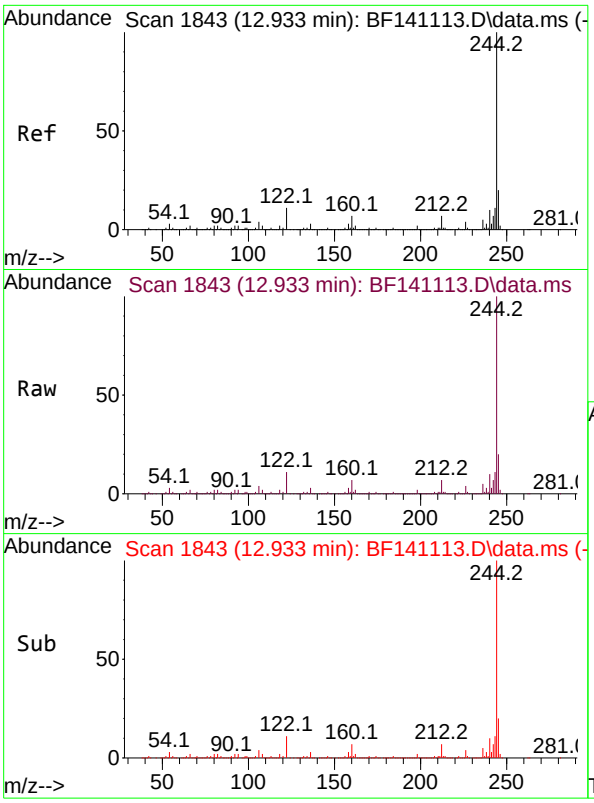


#78
Pyrene
Concen: 38.696 ng
RT: 12.786 min Scan# 1818
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:202 Resp: 1212637

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.8	25.2
203	17.9	14.3	21.5



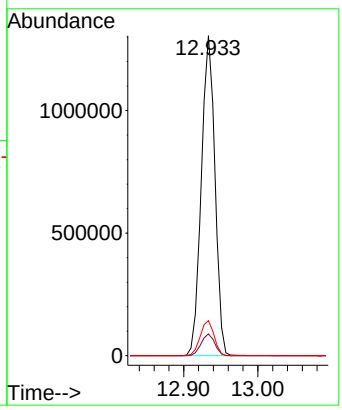


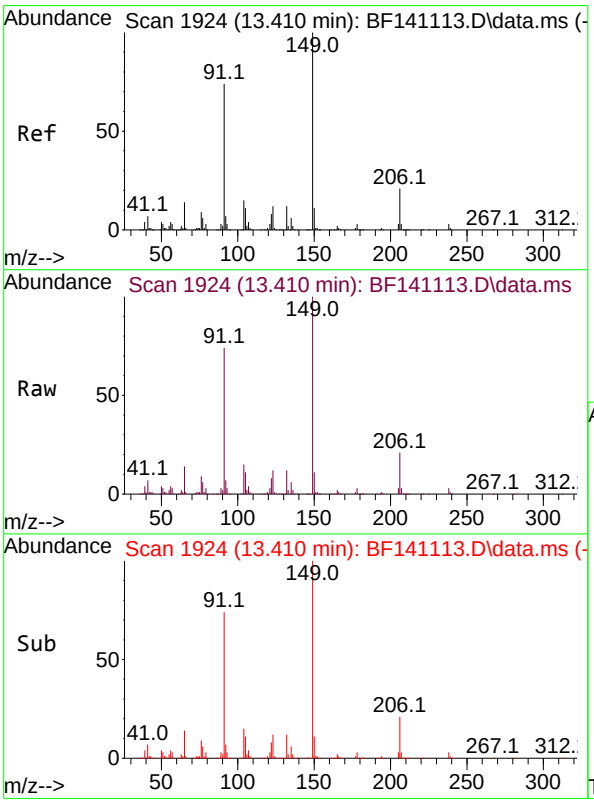
#79
Terphenyl-d14
Concen: 75.616 ng
RT: 12.933 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:244 Resp: 1669190

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.2
122	11.0	8.8	13.2

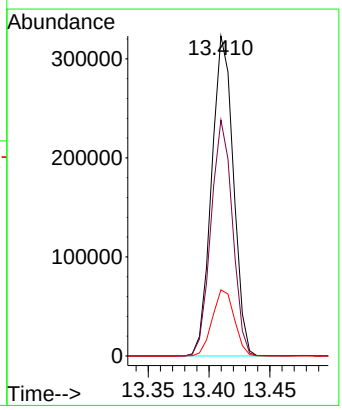


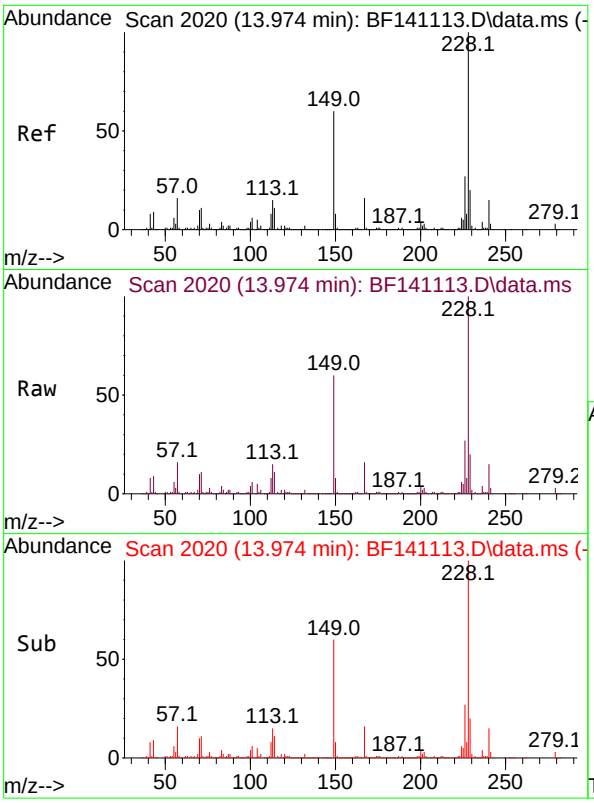


#80
Butylbenzylphthalate
Concen: 38.580 ng
RT: 13.410 min Scan# 1924
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:149 Resp: 403087

Ion	Ratio	Lower	Upper
149	100		
91	73.8	59.0	88.6
206	20.6	16.5	24.7



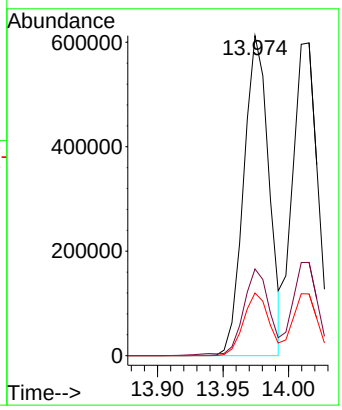


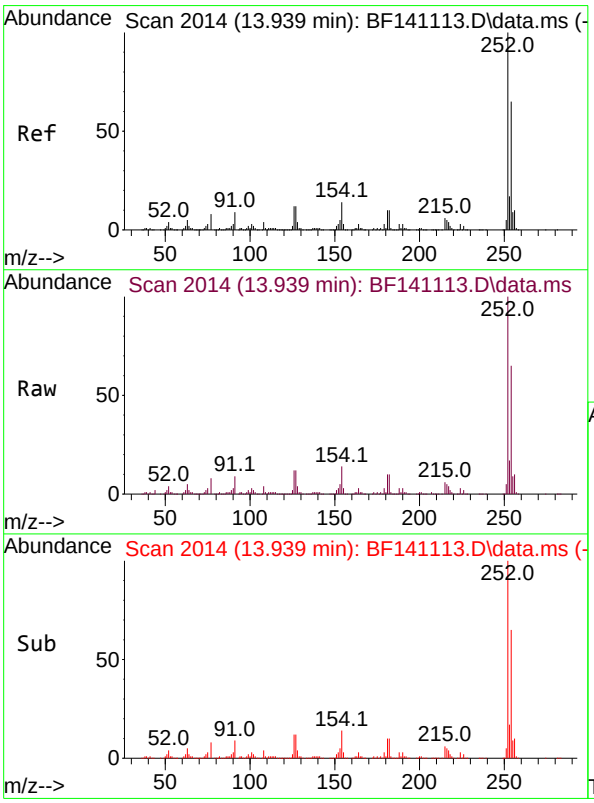
#81
Benzo(a)anthracene
Concen: 36.599 ng
RT: 13.974 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 817209

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.7	32.5
229	19.6	15.7	23.5

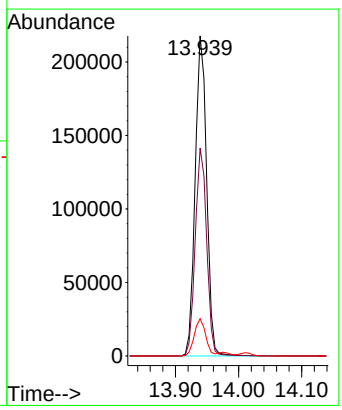


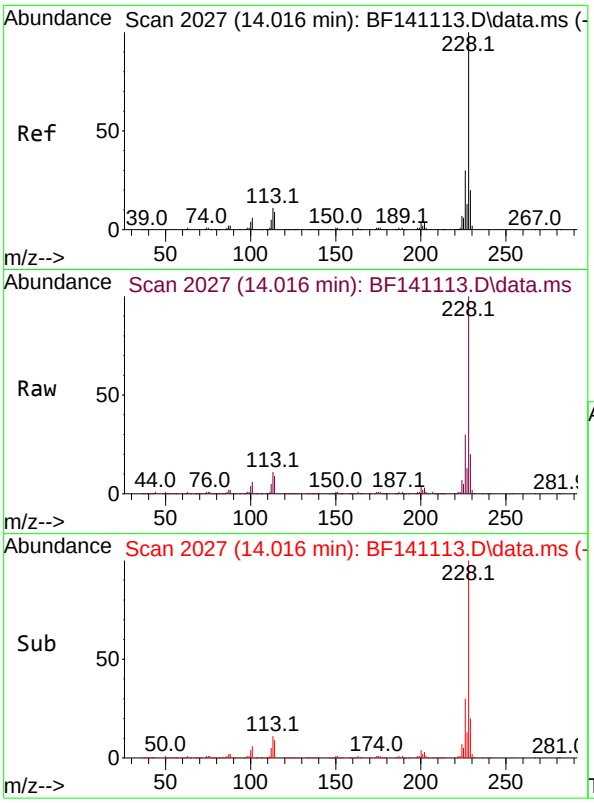


#82
3,3'-Dichlorobenzidine
Concen: 38.575 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:252 Resp: 274265

Ion	Ratio	Lower	Upper
252	100		
254	65.0	52.0	78.0
126	11.7	9.4	14.0



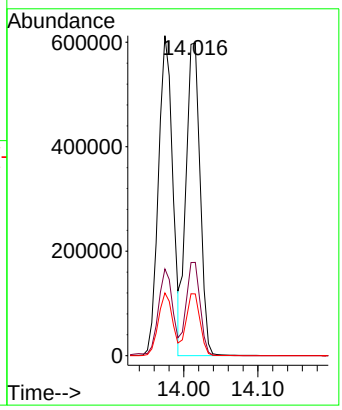


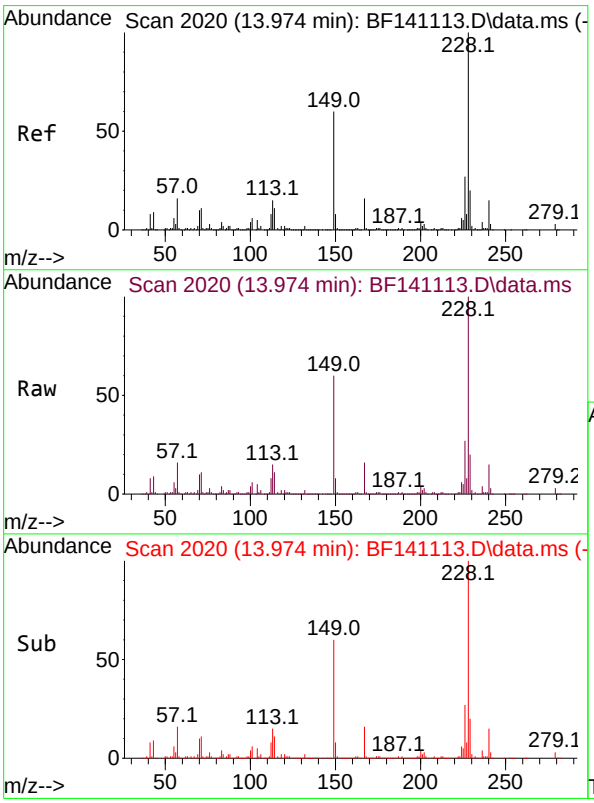
#83
Chrysene
Concen: 37.894 ng
RT: 14.016 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 791711

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.8	35.8
229	19.8	15.8	23.8

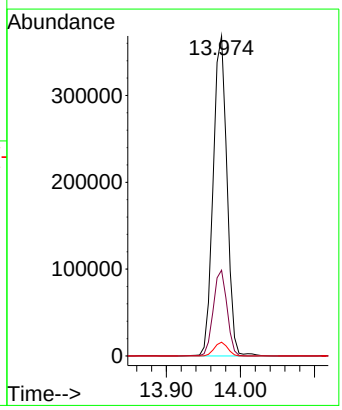


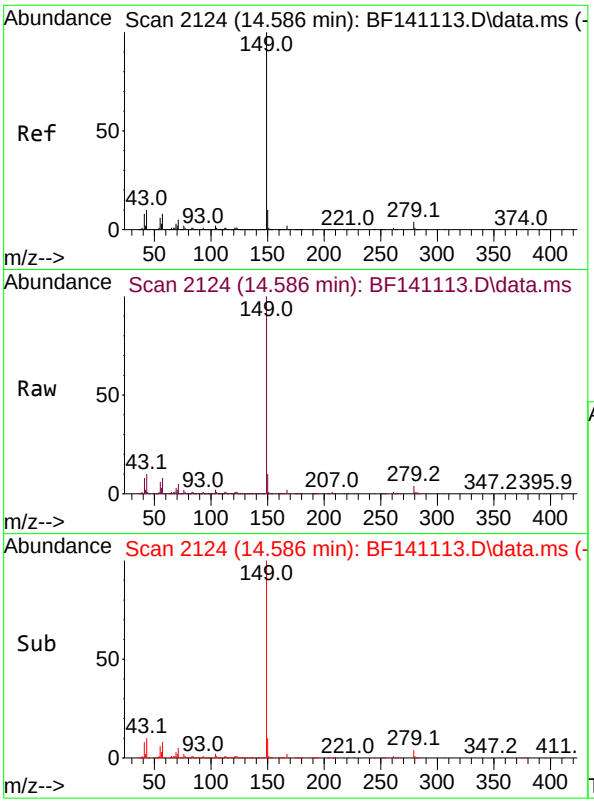


#84
Bis(2-ethylhexyl)phthalate
Concen: 38.010 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:149 Resp: 476500

Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.4	32.2
279	4.3	3.4	5.2



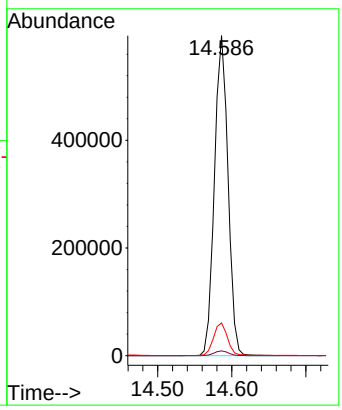


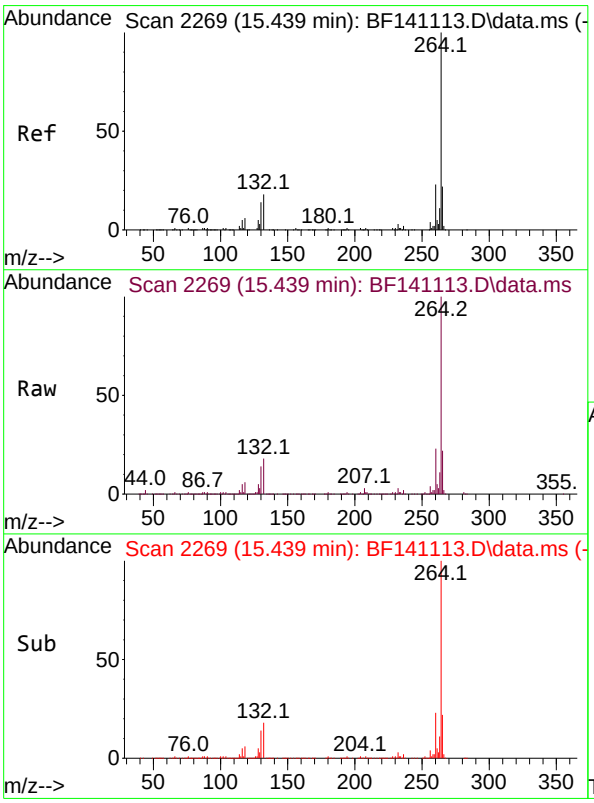
#85
Di-n-octyl phthalate
Concen: 39.906 ng
RT: 14.586 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:149 Resp: 755449

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	10.5	8.4	12.6

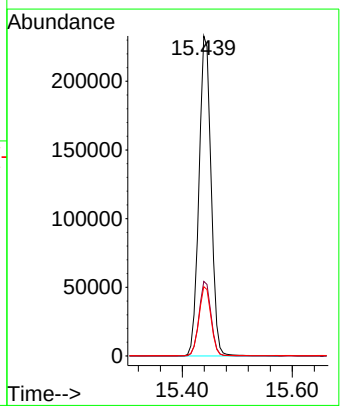


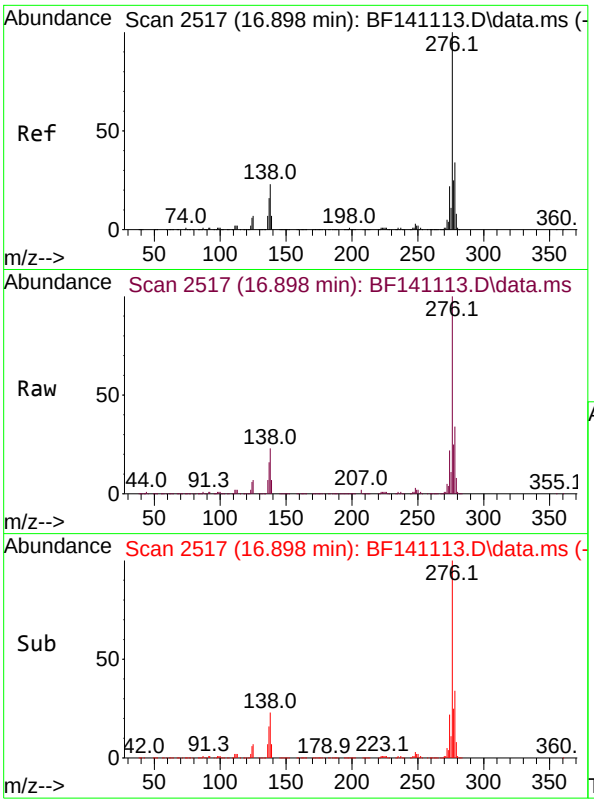


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:264 Resp: 356368

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	21.7	17.4	26.0



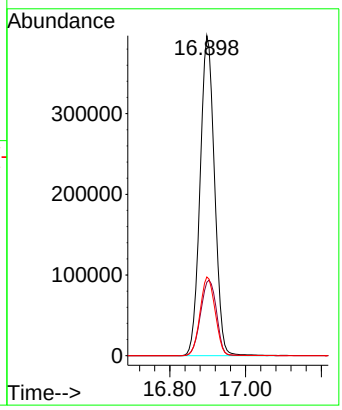


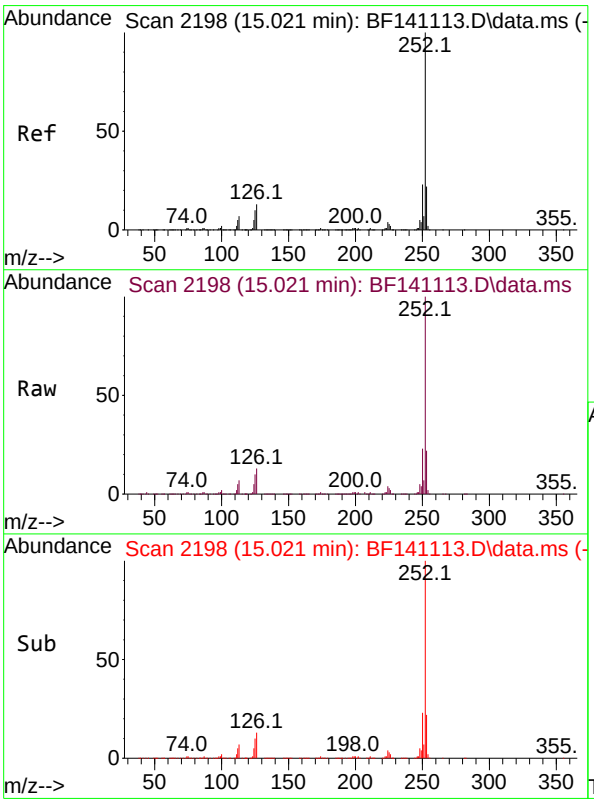
#87
Indeno(1,2,3-cd)pyrene
Concen: 40.183 ng
RT: 16.898 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:276 Resp: 1049124

Ion	Ratio	Lower	Upper
276	100		
138	25.9	20.7	31.1
277	25.7	20.6	30.8

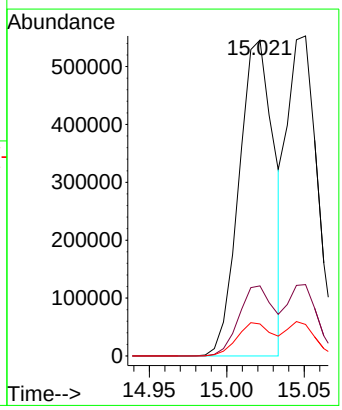


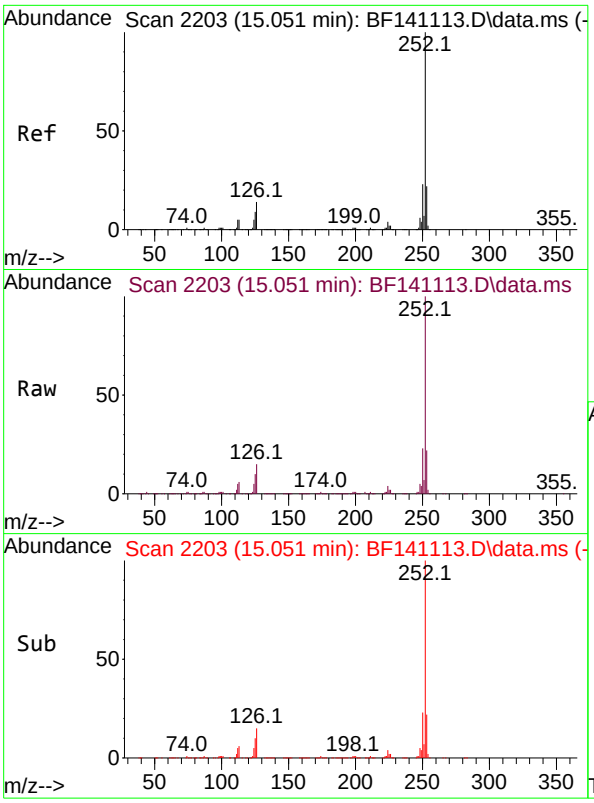


#88
Benzo(b)fluoranthene
Concen: 37.238 ng
RT: 15.021 min Scan# 2198
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:252 Resp: 855723

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	10.1	8.1	12.1



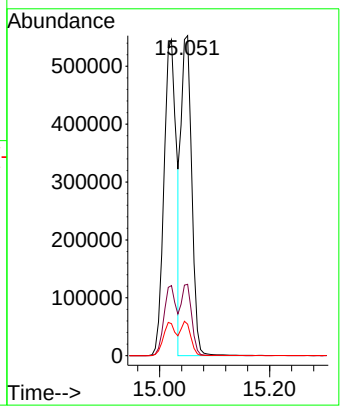


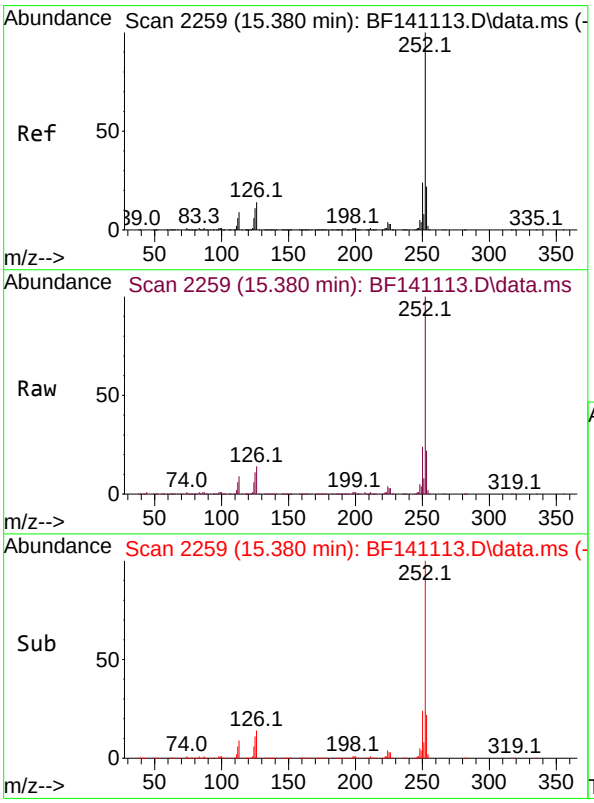
#89
Benzo(k)fluoranthene
Concen: 38.272 ng
RT: 15.051 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:252 Resp: 743248

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	9.9	7.9	11.9

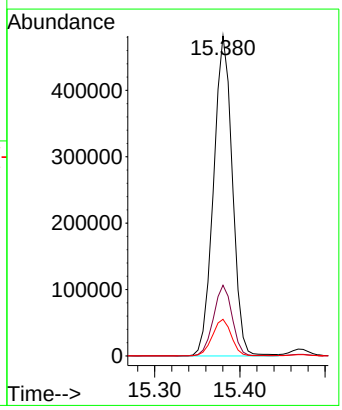


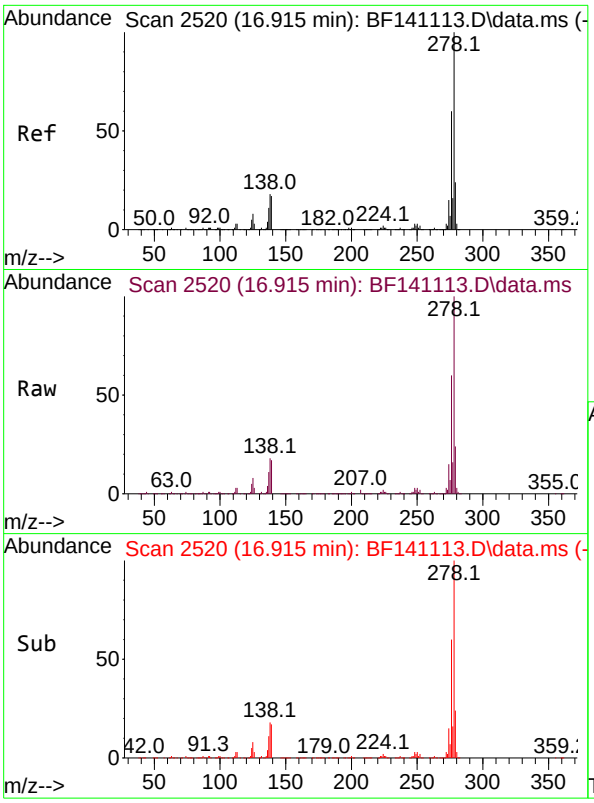


#90
Benzo(a)pyrene
Concen: 39.043 ng
RT: 15.380 min Scan# 2259
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:252 Resp: 740229

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	11.4	9.1	13.7



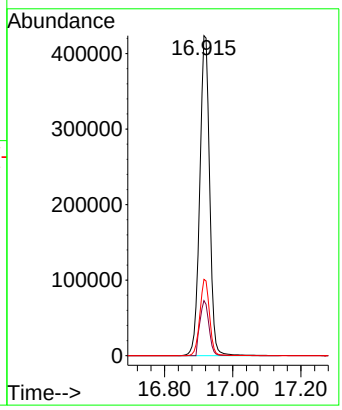


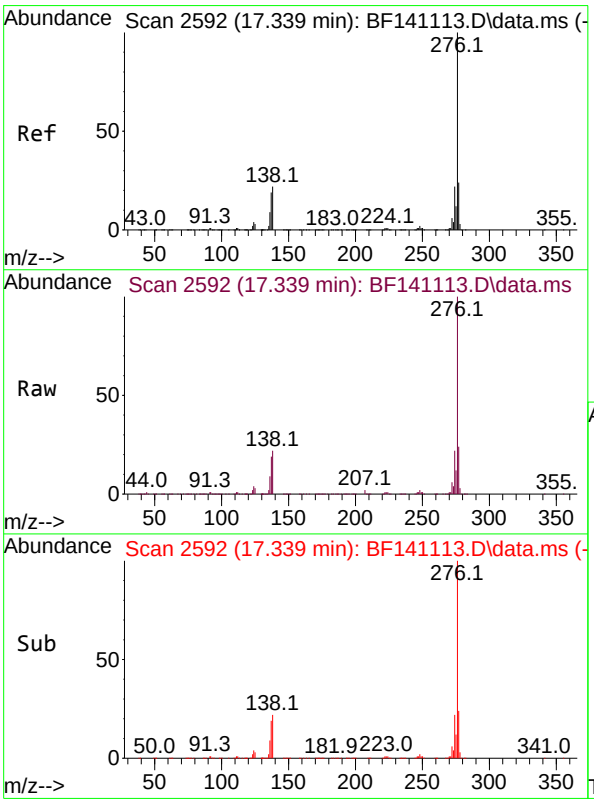
#91
Dibenzo(a,h)anthracene
Concen: 40.391 ng
RT: 16.915 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 852935

Ion	Ratio	Lower	Upper
278	100		
139	17.2	13.8	20.6
279	23.9	19.1	28.7

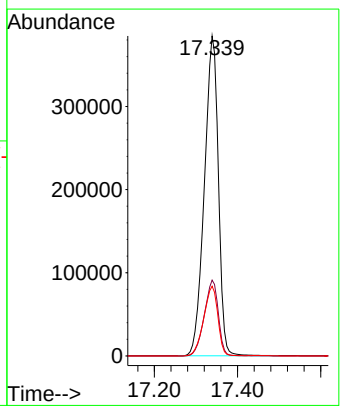




#92
Benzo(g,h,i)perylene
Concen: 40.976 ng
RT: 17.339 min Scan# 2592
Delta R.T. 0.000 min
Lab File: BF141113.D
Acq: 10 Jan 2025 14:36

Tgt Ion:276 Resp: 900014

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.0	28.4
138	21.8	17.4	26.2



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141117.D
Acq On : 10 Jan 2025 16:53
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 10 22:22:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:16:11 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.822	152	163037	20.000	ng		0.00
21) Naphthalene-d8	8.104	136	625072	20.000	ng		0.00
39) Acenaphthene-d10	9.863	164	333513	20.000	ng		0.00
64) Phenanthrene-d10	11.345	188	593257	20.000	ng		0.00
76) Chrysene-d12	13.998	240	341879	20.000	ng		0.01
86) Perylene-d12	15.468	264	333662	20.000	ng		0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.428	112	1007728	95.484	ng		0.00
7) Phenol-d6	6.445	99	1279370	95.699	ng		0.00
23) Nitrobenzene-d5	7.386	82	1156878	98.108	ng		0.00
42) 2,4,6-Tribromophenol	10.651	330	383942	101.033	ng		0.00
45) 2-Fluorobiphenyl	9.180	172	2040487	93.427	ng		0.00
79) Terphenyl-d14	12.939	244	2188278	95.134	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.546	88	233484	49.679	ng		98
3) Pyridine	3.287	79	555795	48.225	ng		98
4) n-Nitrosodimethylamine	3.240	42	280365	49.752	ng		98
6) Aniline	6.487	93	564714	47.577	ng		99
8) 2-Chlorophenol	6.604	128	545244	48.153	ng		99
9) Benzaldehyde	6.369	77	318659	42.669	ng		100
10) Phenol	6.463	94	678615	47.420	ng		98
11) bis(2-Chloroethyl)ether	6.557	93	521191	48.869	ng		98
12) 1,3-Dichlorobenzene	6.763	146	613813	48.605	ng		99
13) 1,4-Dichlorobenzene	6.839	146	609332	47.881	ng		99
14) 1,2-Dichlorobenzene	6.992	146	565717	47.656	ng		99
15) Benzyl Alcohol	6.963	79	474583	49.156	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.098	45	711735	47.824	ng		100
17) 2-Methylphenol	7.069	107	444678	48.644	ng		100
18) Hexachloroethane	7.334	117	224751	48.837	ng		98
19) n-Nitroso-di-n-propyla...	7.239	70	373068	47.373	ng		98
20) 3+4-Methylphenols	7.228	107	546998	47.429	ng	#	85
22) Acetophenone	7.234	105	711333	47.871	ng		98
24) Nitrobenzene	7.404	77	599817	48.807	ng		99
25) Isophorone	7.645	82	982492	48.754	ng		99
26) 2-Nitrophenol	7.722	139	287436	51.416	ng		99
27) 2,4-Dimethylphenol	7.751	122	374236	49.629	ng		98
28) bis(2-Chloroethoxy)met...	7.857	93	614567	48.594	ng		99
29) 2,4-Dichlorophenol	7.957	162	447208	49.935	ng		99
30) 1,2,4-Trichlorobenzene	8.045	180	495397	48.394	ng		99
31) Naphthalene	8.128	128	1598576	48.495	ng		100
32) Benzoic acid	7.869	122	391608	54.138	ng		98
33) 4-Chloroaniline	8.175	127	544930	47.801	ng		99
34) Hexachlorobutadiene	8.245	225	302873	49.102	ng		99
35) Caprolactam	8.545	113	146669m	49.927	ng		
36) 4-Chloro-3-methylphenol	8.651	107	488345	49.859	ng		99
37) 2-Methylnaphthalene	8.816	142	1021264	48.619	ng		98
38) 1-Methylnaphthalene	8.916	142	992651	47.950	ng		99
40) 1,2,4,5-Tetrachloroben...	8.980	216	460261	48.082	ng		99
41) Hexachlorocyclopentadiene	8.969	237	157828	50.395	ng		99
43) 2,4,6-Trichlorophenol	9.092	196	318276	49.299	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141117.D
Acq On : 10 Jan 2025 16:53
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jan 10 22:22:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:16:11 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.133	196	342288	50.201	ng		98
46) 1,1'-Biphenyl	9.286	154	1243305	48.003	ng		99
47) 2-Chloronaphthalene	9.310	162	979002	48.530	ng		99
48) 2-Nitroaniline	9.398	65	304048	50.844	ng		96
49) Acenaphthylene	9.722	152	1398990	48.539	ng		100
50) Dimethylphthalate	9.586	163	1098805	49.076	ng		100
51) 2,6-Dinitrotoluene	9.645	165	262596	50.434	ng		96
52) Acenaphthene	9.898	154	988008	49.066	ng		99
53) 3-Nitroaniline	9.810	138	266881	50.440	ng		97
54) 2,4-Dinitrophenol	9.916	184	139903	56.530	ng	#	86
55) Dibenzofuran	10.069	168	1321844	48.261	ng		100
56) 4-Nitrophenol	9.963	139	220382	53.183	ng		95
57) 2,4-Dinitrotoluene	10.045	165	353808	52.728	ng		97
58) Fluorene	10.410	166	1011650	47.543	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.180	232	277818	49.019	ng		98
60) Diethylphthalate	10.286	149	1074789	49.171	ng		100
61) 4-Chlorophenyl-phenyle...	10.404	204	494329	47.665	ng		97
62) 4-Nitroaniline	10.427	138	269415	52.024	ng		98
63) Azobenzene	10.563	77	1054277	48.881	ng		99
65) 4,6-Dinitro-2-methylph...	10.457	198	192136	55.890	ng		95
66) n-Nitrosodiphenylamine	10.522	169	894530	46.748	ng		99
67) 4-Bromophenyl-phenylether	10.892	248	326554	47.810	ng		99
68) Hexachlorobenzene	10.957	284	361542	47.551	ng		99
69) Atrazine	11.051	200	272232	52.837	ng		99
70) Pentachlorophenol	11.145	266	250381	51.422	ng		99
71) Phenanthrene	11.374	178	1503408	47.203	ng		99
72) Anthracene	11.422	178	1473797	47.589	ng		100
73) Carbazole	11.580	167	1386206	48.815	ng		100
74) Di-n-butylphthalate	11.916	149	1600680	49.255	ng		100
75) Fluoranthene	12.563	202	1558556	49.037	ng		99
77) Benzidine	12.680	184	290459	45.814	ng		99
78) Pyrene	12.792	202	1571607	48.129	ng		99
80) Butylbenzylphthalate	13.416	149	578964	53.179	ng		98
81) Benzo(a)anthracene	13.986	228	1136119	48.830	ng		100
82) 3,3'-Dichlorobenzidine	13.951	252	364178	49.156	ng		99
83) Chrysene	14.021	228	1057551	48.577	ng		99
84) Bis(2-ethylhexyl)phtha...	13.980	149	700052	53.591	ng		99
85) Di-n-octyl phthalate	14.610	149	1055383	53.503	ng		100
87) Indeno(1,2,3-cd)pyrene	16.933	276	1185030	48.477	ng		99
88) Benzo(b)fluoranthene	15.045	252	1096957	50.984	ng		100
89) Benzo(k)fluoranthene	15.074	252	865456	47.598	ng		99
90) Benzo(a)pyrene	15.410	252	874134	49.243	ng		100
91) Dibenzo(a,h)anthracene	16.956	278	959595	48.535	ng		99
92) Benzo(g,h,i)perylene	17.380	276	996659	48.464	ng		99

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

Quantitation Report (QT Reviewed)

ICAL Form

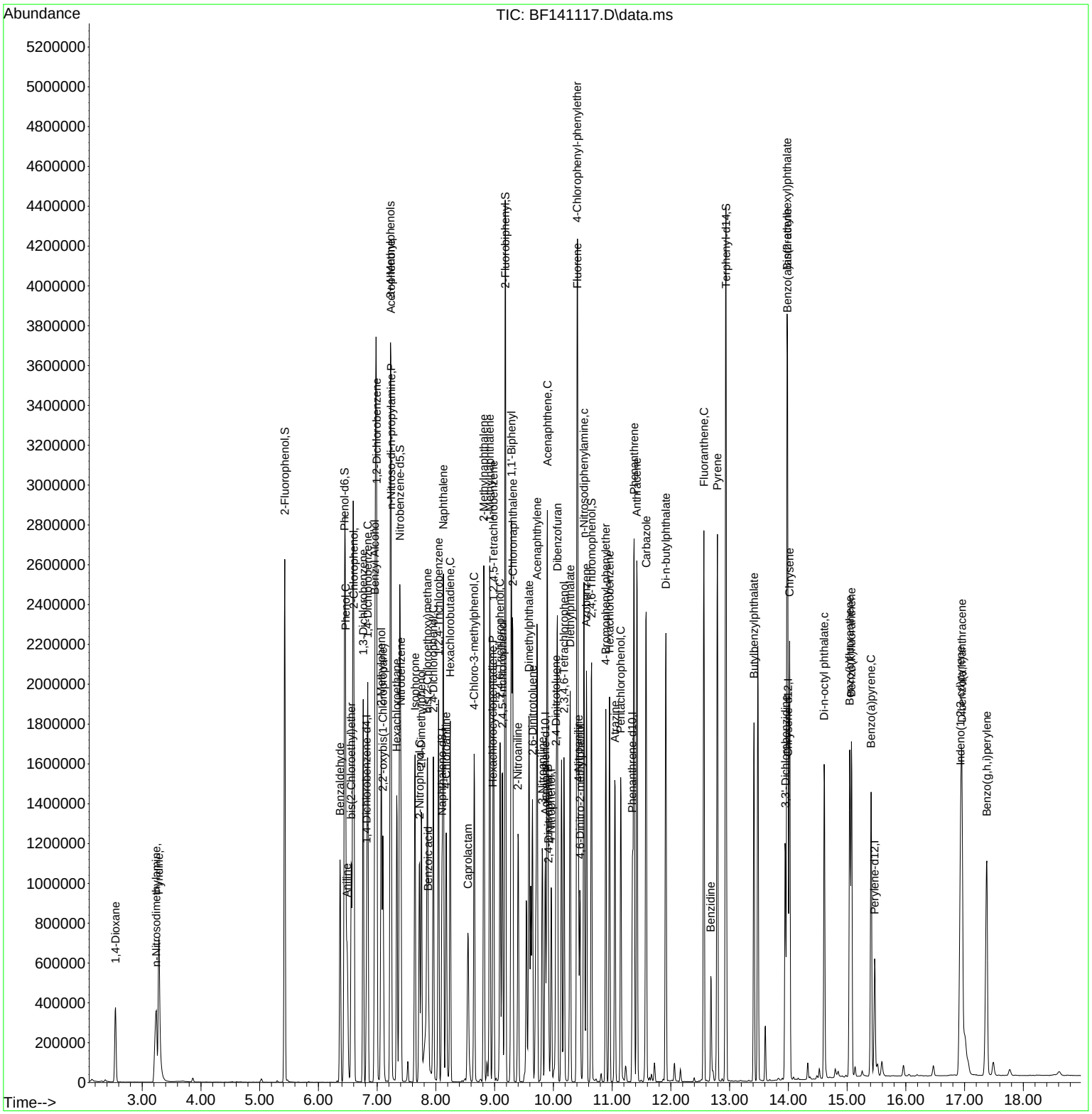
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Data File : BF141117.D
Acq On : 10 Jan 2025 16:53
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 10 Sample Multiplier: 1

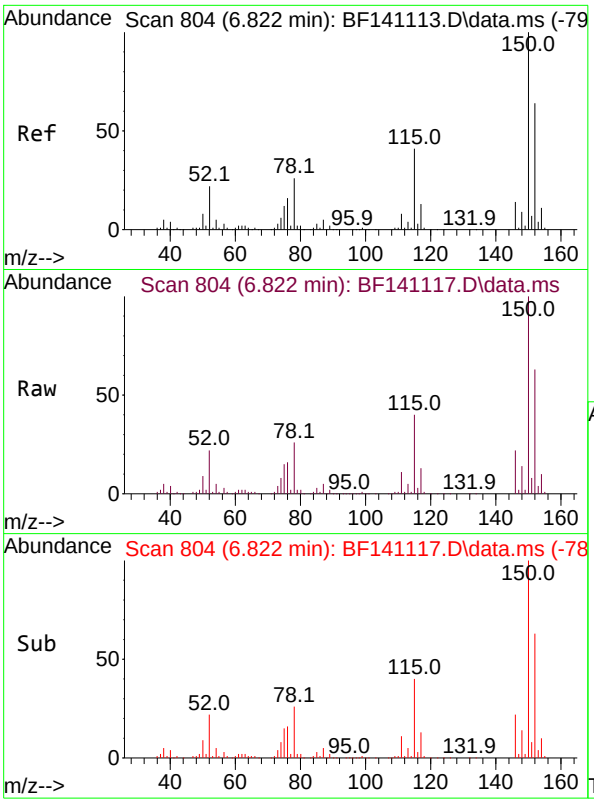
Quant Time: Jan 10 22:22:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:16:11 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

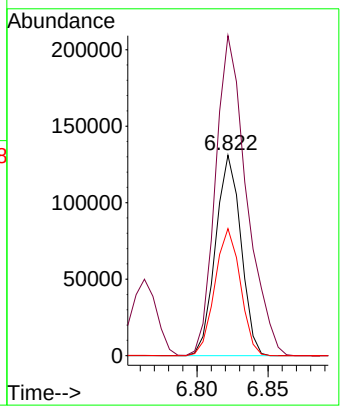




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:152 Resp: 16303

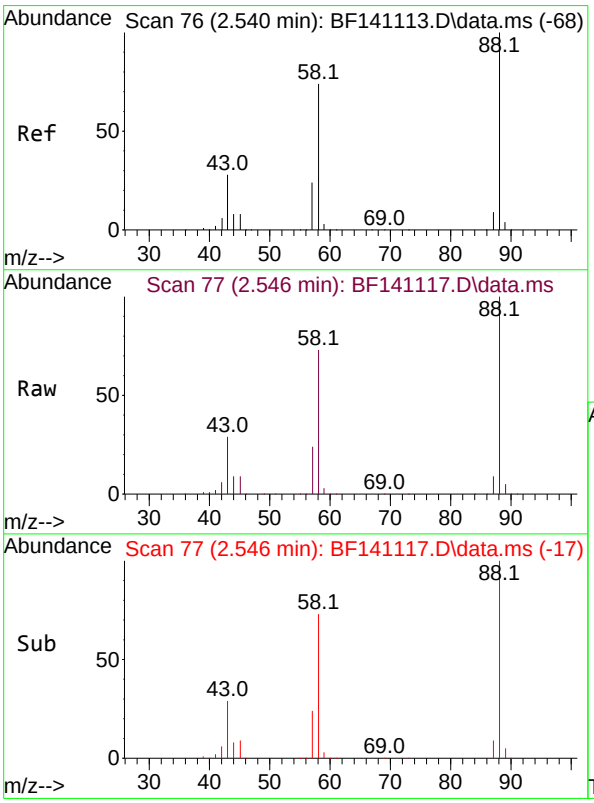
Ion	Ratio	Lower	Upper
152	100		
150	159.6	125.8	188.8
115	63.4	51.4	77.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

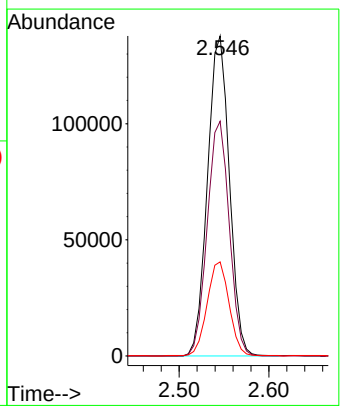
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

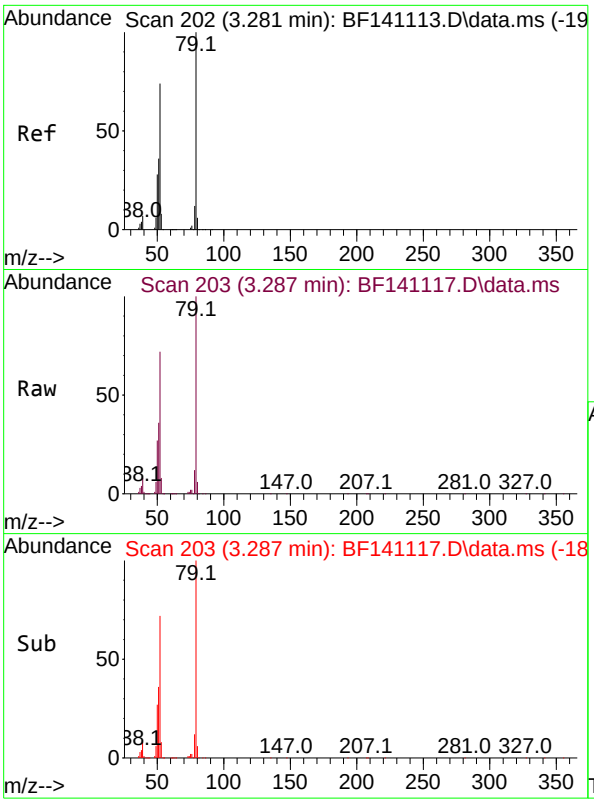


#2
1,4-Dioxane
Concen: 49.679 ng
RT: 2.546 min Scan# 77
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion: 88 Resp: 233484

Ion	Ratio	Lower	Upper
88	100		
58	73.8	60.1	90.1
43	29.7	23.1	34.7

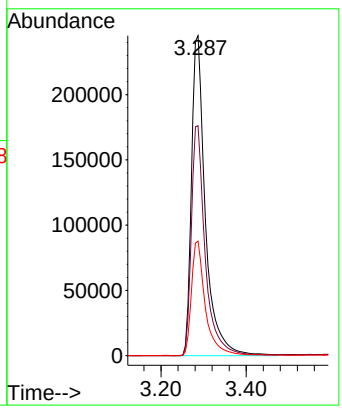




#3
Pyridine
Concen: 48.225 ng
RT: 3.287 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion: 79 Resp: 55579

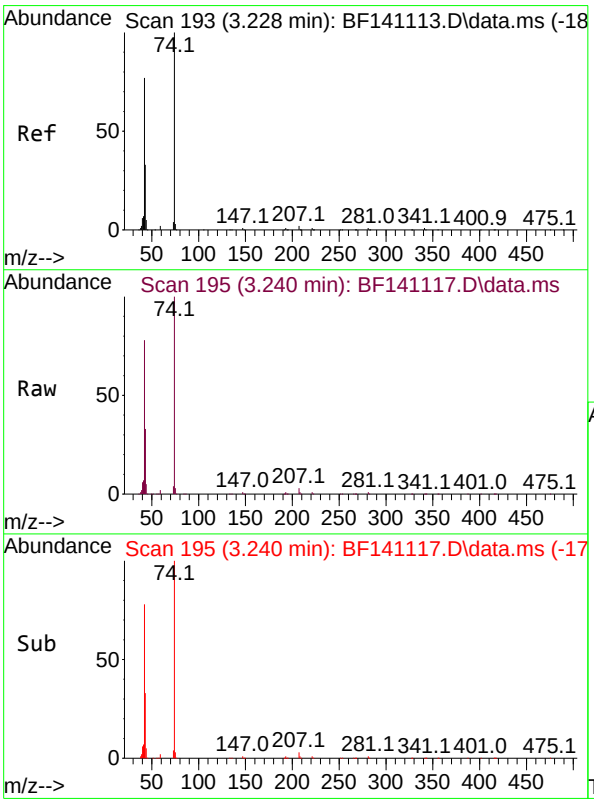
Ion	Ratio	Lower	Upper
79	100		
52	71.9	58.9	88.3
51	35.8	29.1	43.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

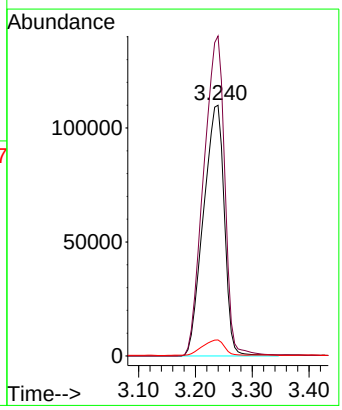
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

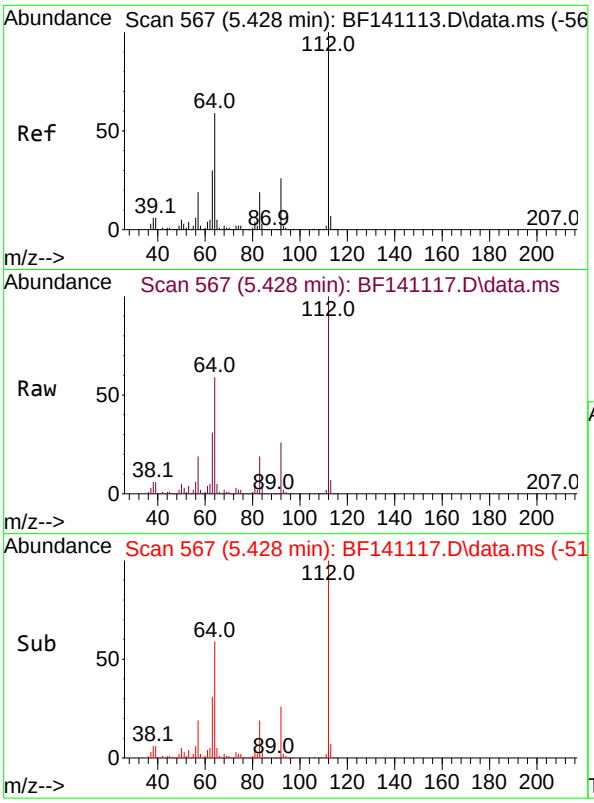


#4
n-Nitrosodimethylamine
Concen: 49.752 ng
RT: 3.240 min Scan# 195
Delta R.T. 0.012 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion: 42 Resp: 280365

Ion	Ratio	Lower	Upper
42	100		
74	127.7	103.8	155.6
44	6.4	5.3	7.9





#5
2-Fluorophenol
Concen: 95.484 ng
RT: 5.428 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

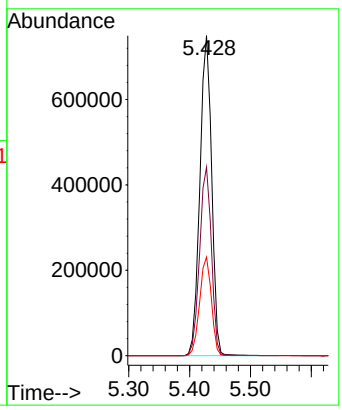
Tgt Ion:112 Resp: 100772

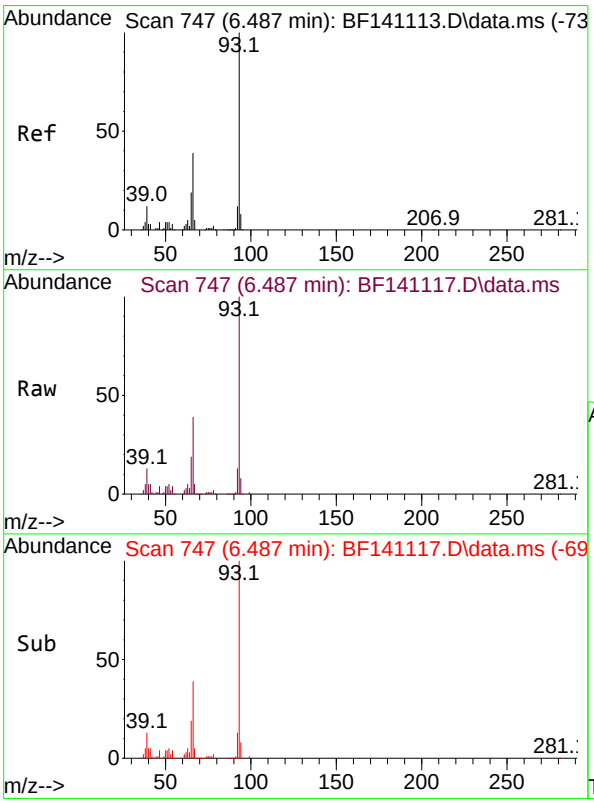
Ion	Ratio	Lower	Upper
112	100		
64	58.9	47.3	70.9
63	30.8	24.2	36.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

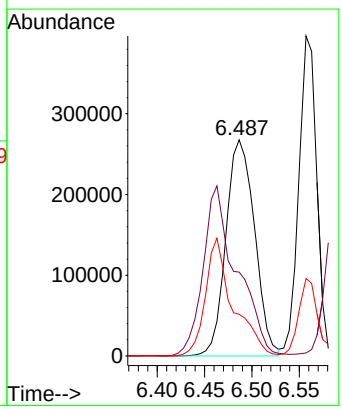


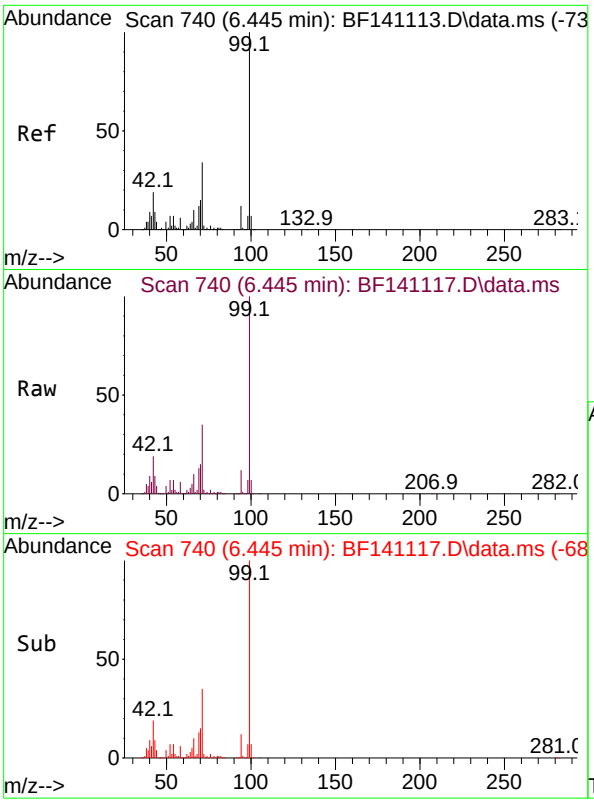


#6
Aniline
Concen: 47.577 ng
RT: 6.487 min Scan# 747
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion: 93 Resp: 564714

Ion	Ratio	Lower	Upper
93	100		
66	38.8	31.5	47.3
65	19.3	15.3	22.9

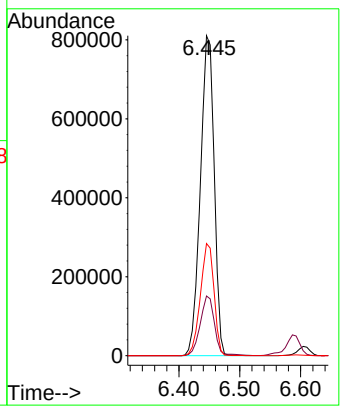




#7
Phenol-d6
Concen: 95.699 ng
RT: 6.445 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion: 99 Resp: 127937

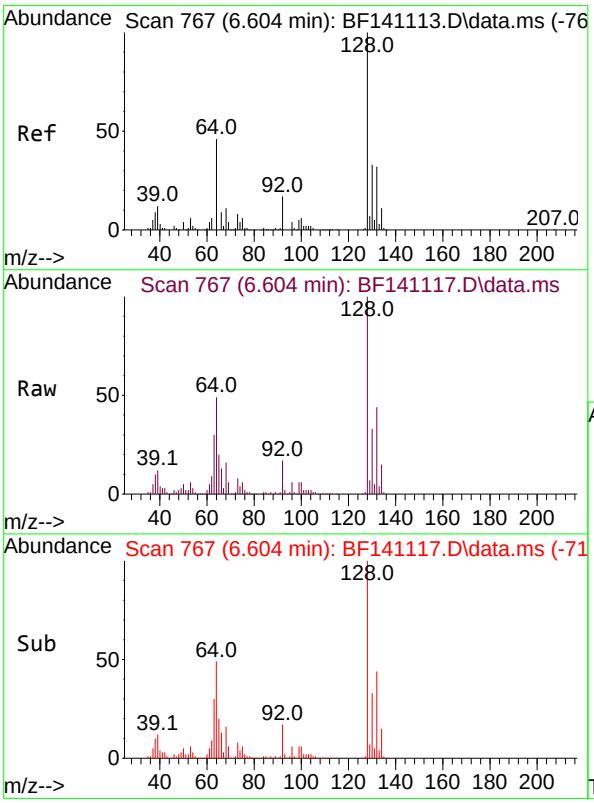
Ion	Ratio	Lower	Upper
99	100		
42	18.6	15.0	22.4
71	35.1	27.6	41.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

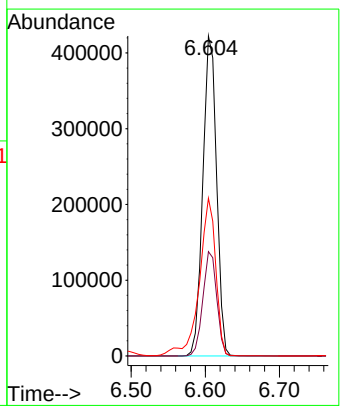
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

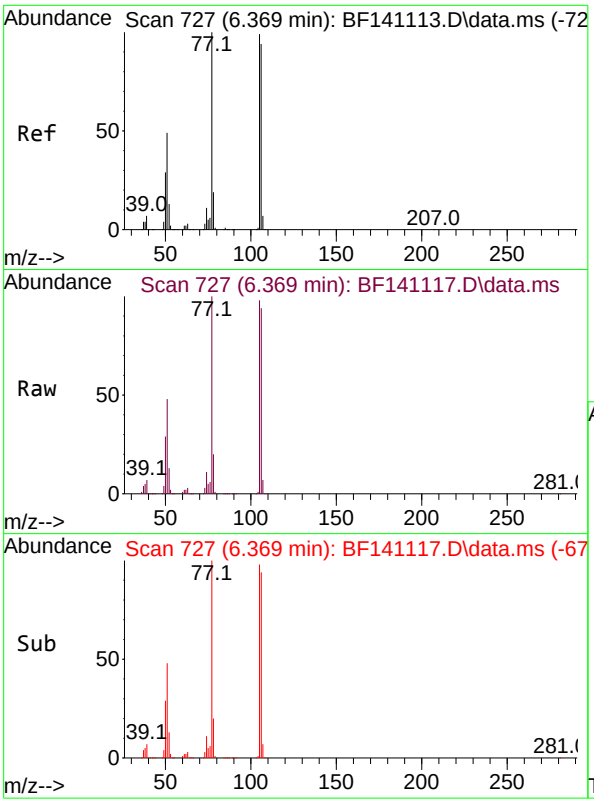


#8
2-Chlorophenol
Concen: 48.153 ng
RT: 6.604 min Scan# 767
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:128 Resp: 545244

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.5	52.5
64	49.3	28.3	68.3

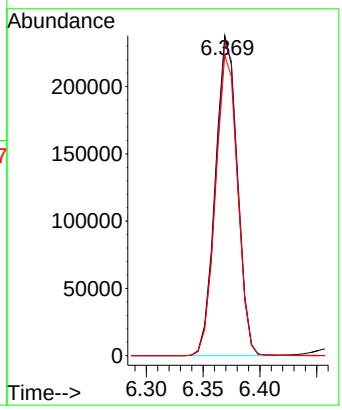




#9
Benzaldehyde
Concen: 42.669 ng
RT: 6.369 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion: 77 Resp: 31865

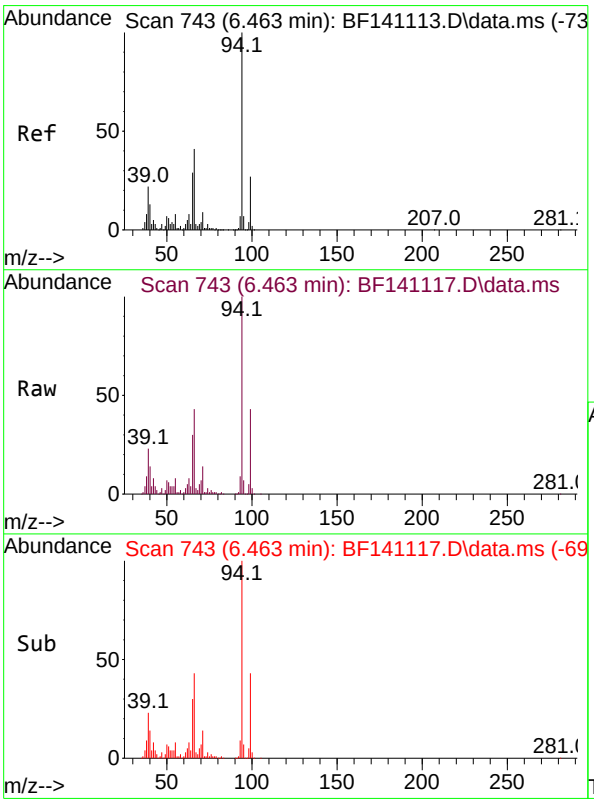
Ion	Ratio	Lower	Upper
77	100		
105	98.3	78.9	118.9
106	93.9	73.6	113.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

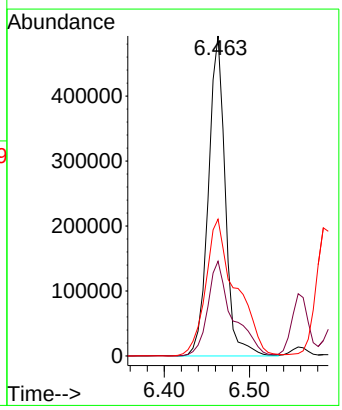
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

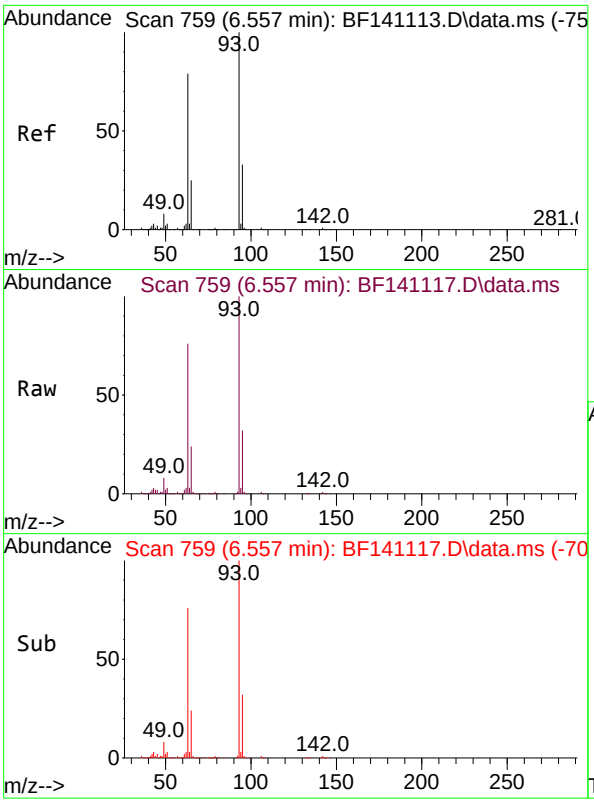


#10
Phenol
Concen: 47.420 ng
RT: 6.463 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion: 94 Resp: 678615

Ion	Ratio	Lower	Upper
94	100		
65	29.6	8.9	48.9
66	42.8	21.2	61.2

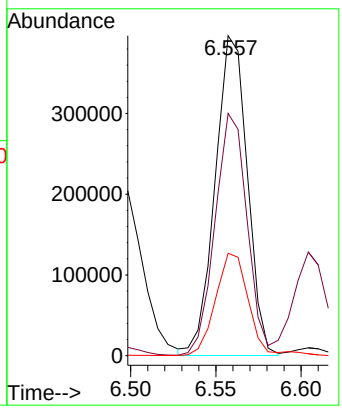




#11
bis(2-Chloroethyl)ether
Concen: 48.869 ng
RT: 6.557 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion: 93 Resp: 52119

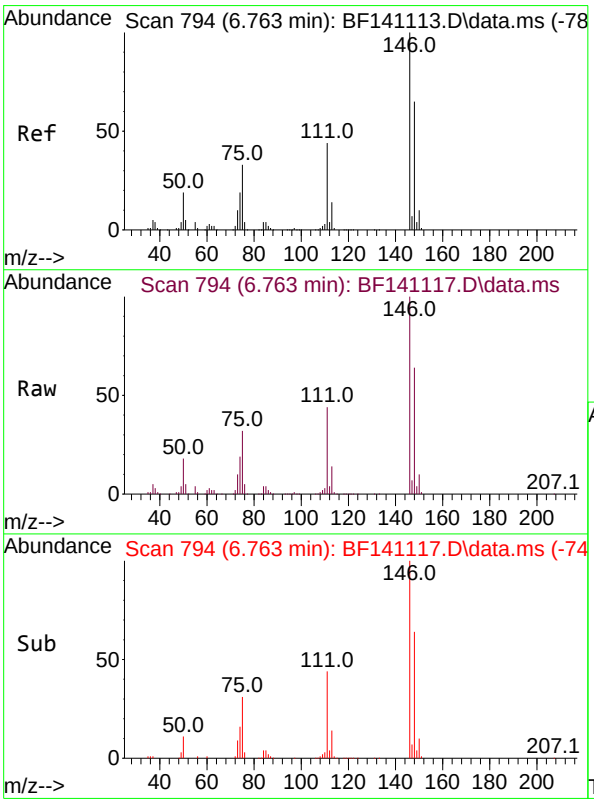
Ion	Ratio	Lower	Upper
93	100		
63	75.7	58.0	98.0
95	32.0	12.5	52.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

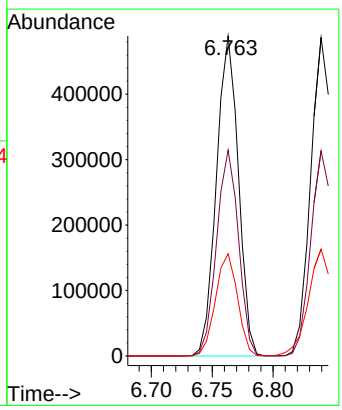
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

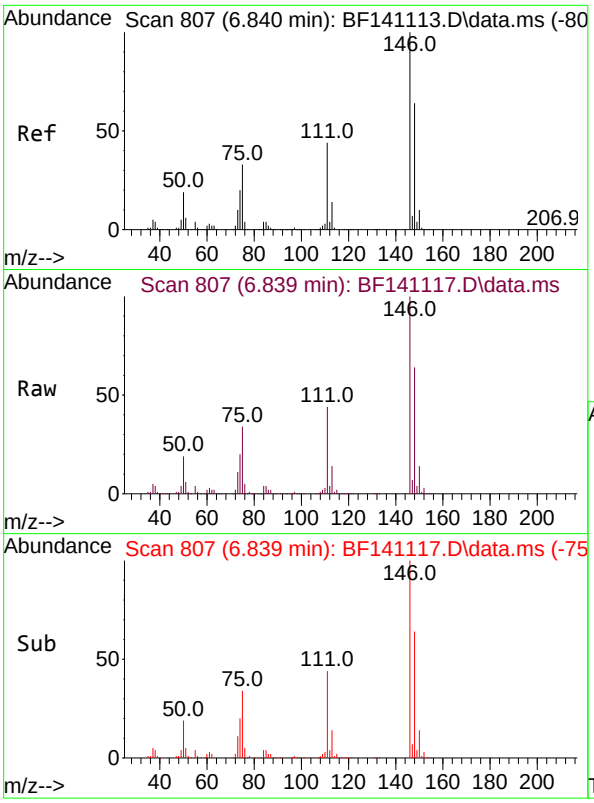


#12
1,3-Dichlorobenzene
Concen: 48.605 ng
RT: 6.763 min Scan# 794
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:146 Resp: 613813

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.6	77.4
75	32.0	26.2	39.2

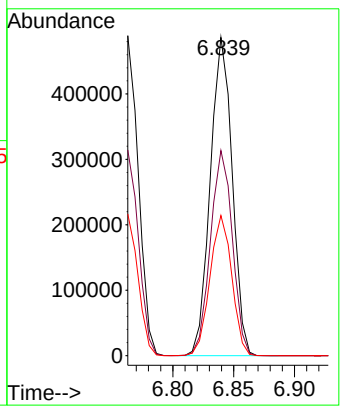




#13
1,4-Dichlorobenzene
Concen: 47.881 ng
RT: 6.839 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:146 Resp: 60933

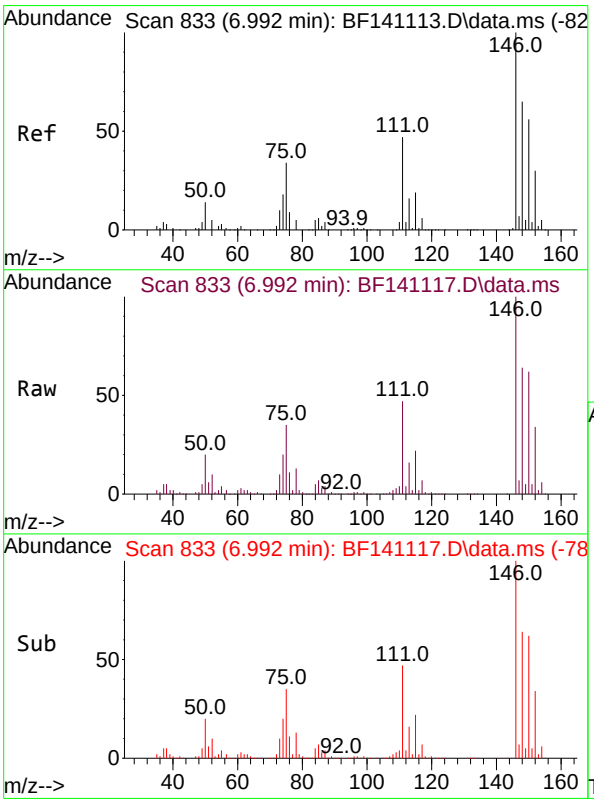
Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.0	76.6
111	44.0	34.9	52.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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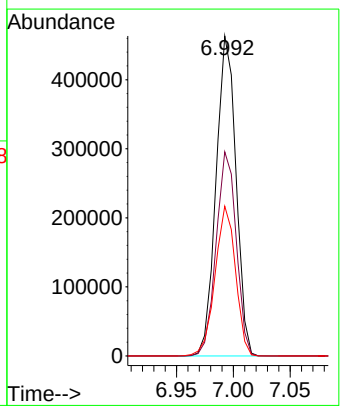
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

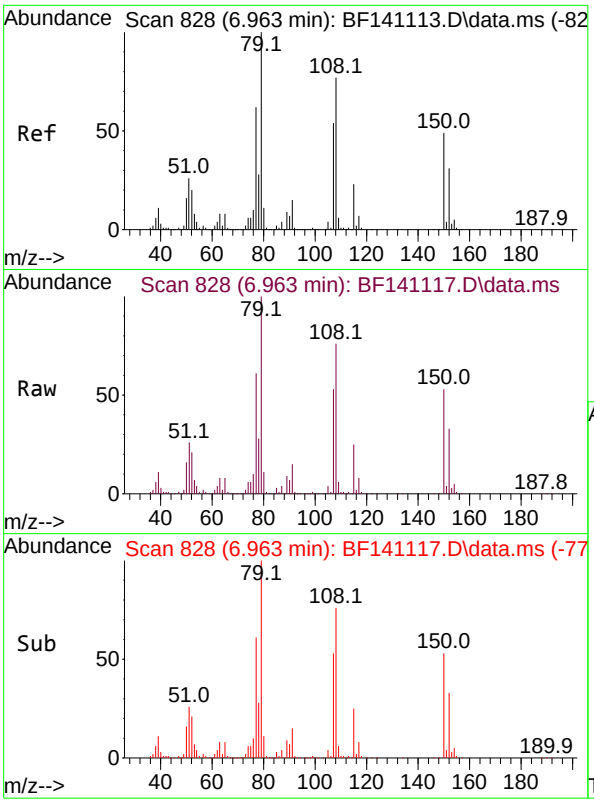


#14
1,2-Dichlorobenzene
Concen: 47.656 ng
RT: 6.992 min Scan# 833
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:146 Resp: 565717

Ion	Ratio	Lower	Upper
146	100		
148	63.8	52.2	78.4
111	46.8	37.5	56.3





#15
Benzyl Alcohol
Concen: 49.156 ng
RT: 6.963 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

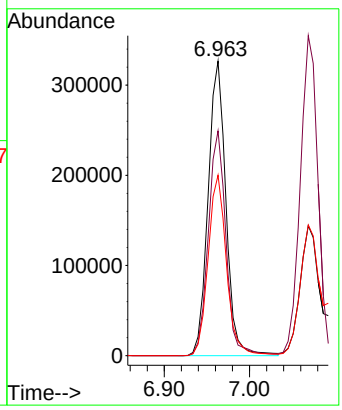
Tgt Ion: 79 Resp: 47458

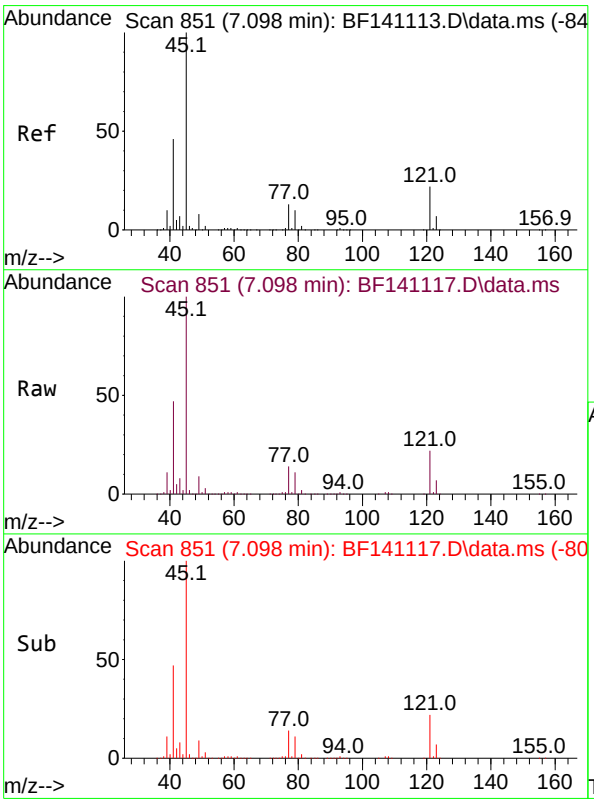
Ion	Ratio	Lower	Upper
79	100		
108	76.3	61.4	92.0
77	61.3	49.8	74.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

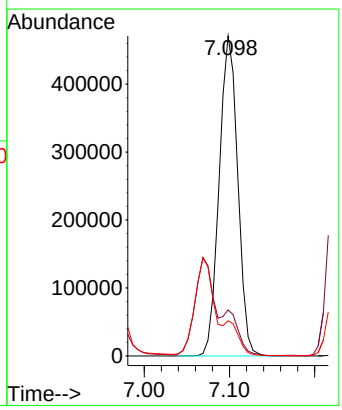


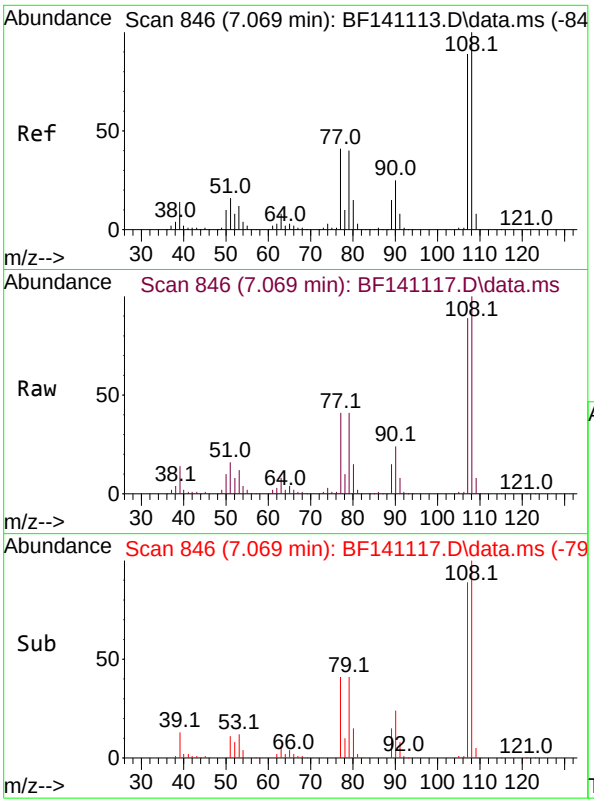


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.824 ng
RT: 7.098 min Scan# 851
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion: 45 Resp: 711735

Ion	Ratio	Lower	Upper
45	100		
77	14.4	0.0	34.1
79	11.0	0.0	31.0

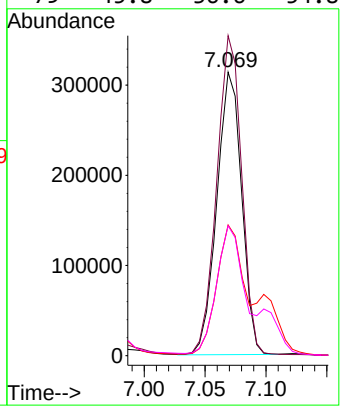




#17
2-Methylphenol
Concen: 48.644 ng
RT: 7.069 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:107 Resp: 44467

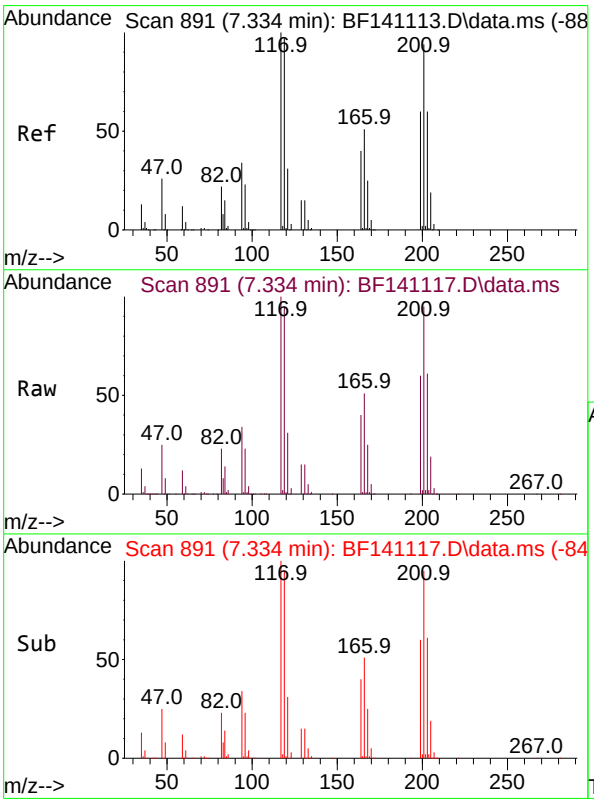
Ion	Ratio	Lower	Upper
107	100		
108	112.9	90.1	135.1
77	46.1	36.6	55.0
79	45.8	36.6	54.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

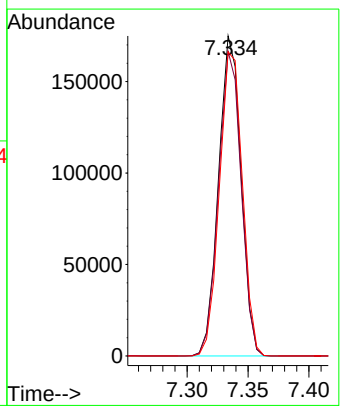
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

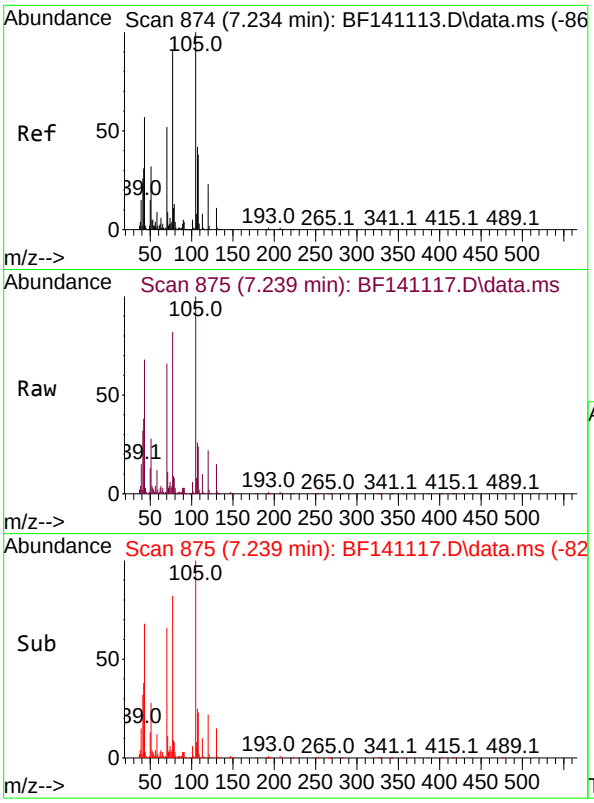


#18
Hexachloroethane
Concen: 48.837 ng
RT: 7.334 min Scan# 891
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:117 Resp: 224751

Ion	Ratio	Lower	Upper
117	100		
119	95.2	77.6	116.4
201	95.1	75.1	112.7

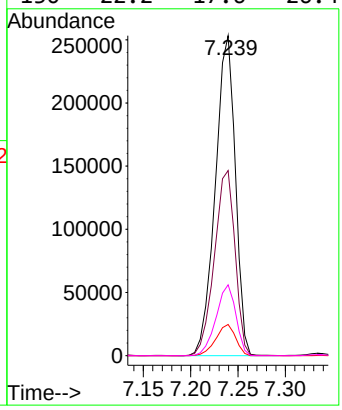




#19
n-Nitroso-di-n-propylamine
Concen: 47.373 ng
RT: 7.239 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion: 70 Resp: 37306

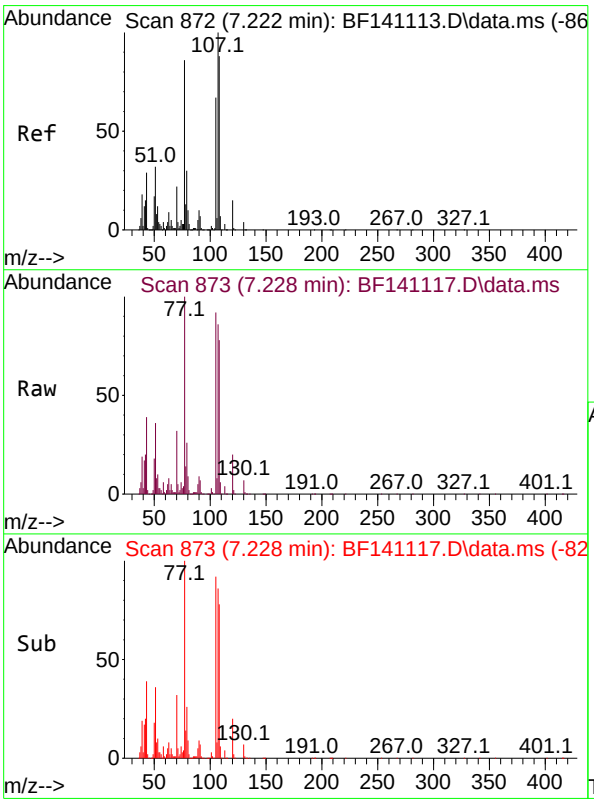
Ion	Ratio	Lower	Upper
70	100		
42	57.9	47.8	71.6
101	9.7	7.9	11.9
130	22.2	17.6	26.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

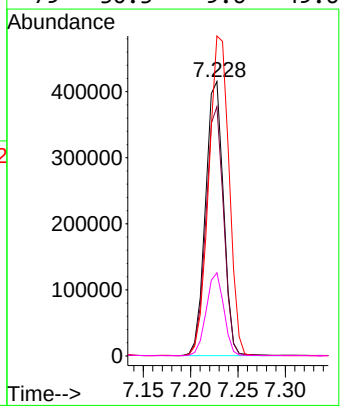
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

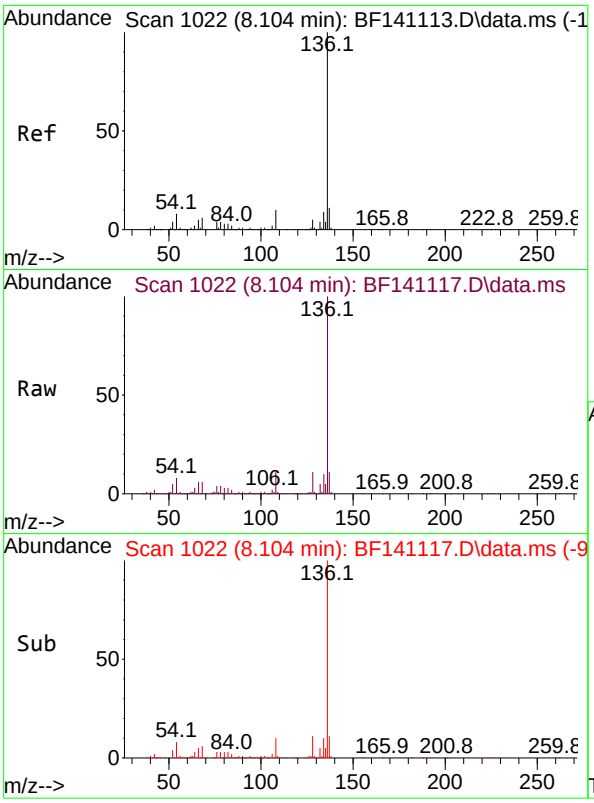


#20
3+4-Methylphenols
Concen: 47.429 ng
RT: 7.228 min Scan# 873
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:107 Resp: 546998

Ion	Ratio	Lower	Upper
107	100		
108	90.9	68.3	108.3
77	116.6	66.4	106.4#
79	30.3	9.6	49.6

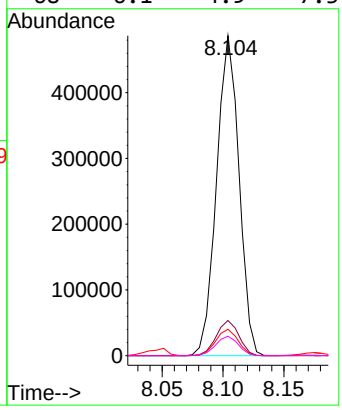




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:136 Resp: 62507

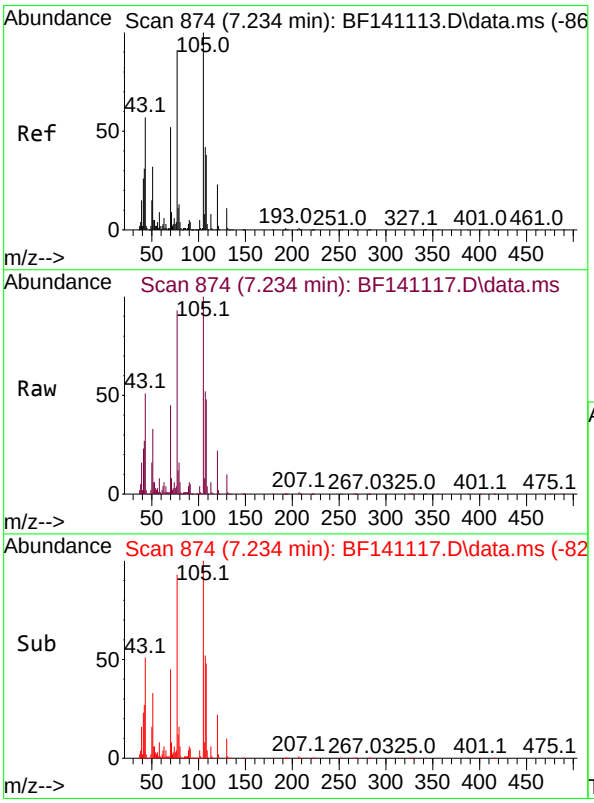
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.3	6.3	9.5
68	6.1	4.9	7.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

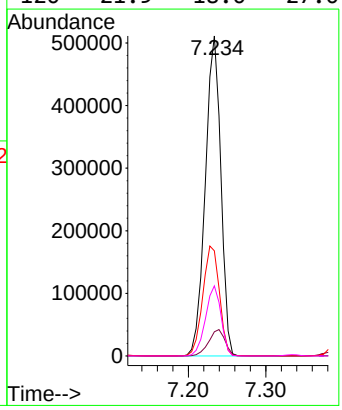
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

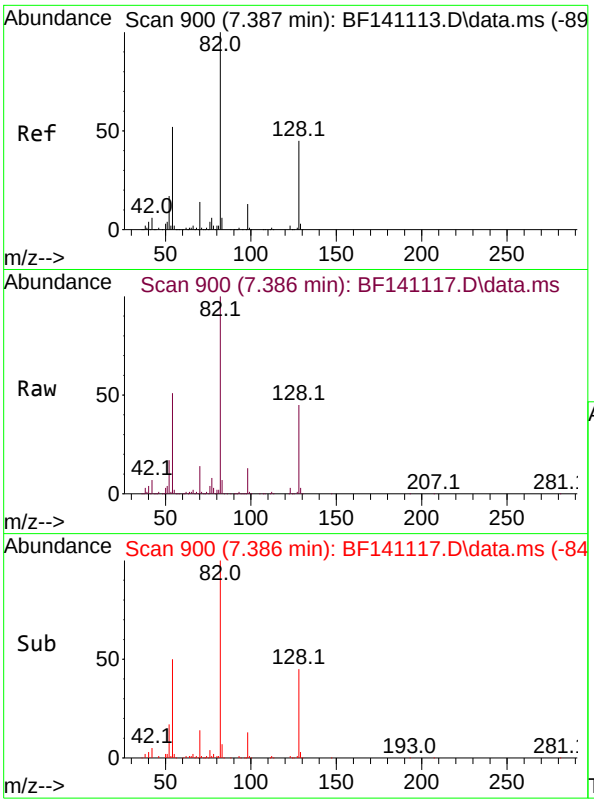


#22
Acetophenone
Concen: 47.871 ng
RT: 7.234 min Scan# 874
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:105 Resp: 711333

Ion	Ratio	Lower	Upper
105	100		
71	7.5	7.1	10.7
51	32.9	25.4	38.2
120	21.9	18.0	27.0

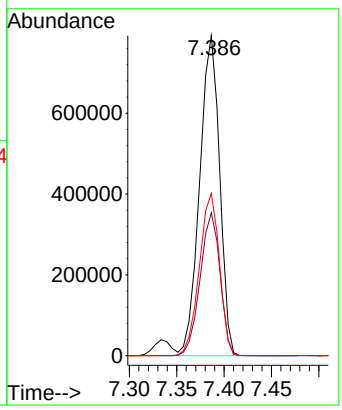




#23
Nitrobenzene-d5
Concen: 98.108 ng
RT: 7.386 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion: 82 Resp: 115687

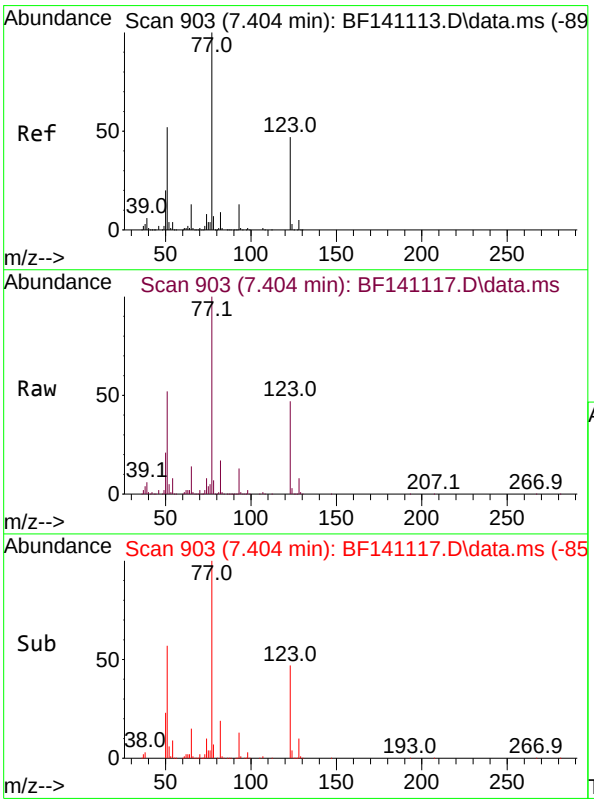
Ion	Ratio	Lower	Upper
82	100		
128	44.6	36.1	54.1
54	50.7	41.0	61.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

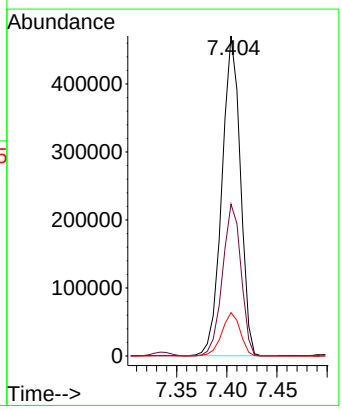
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

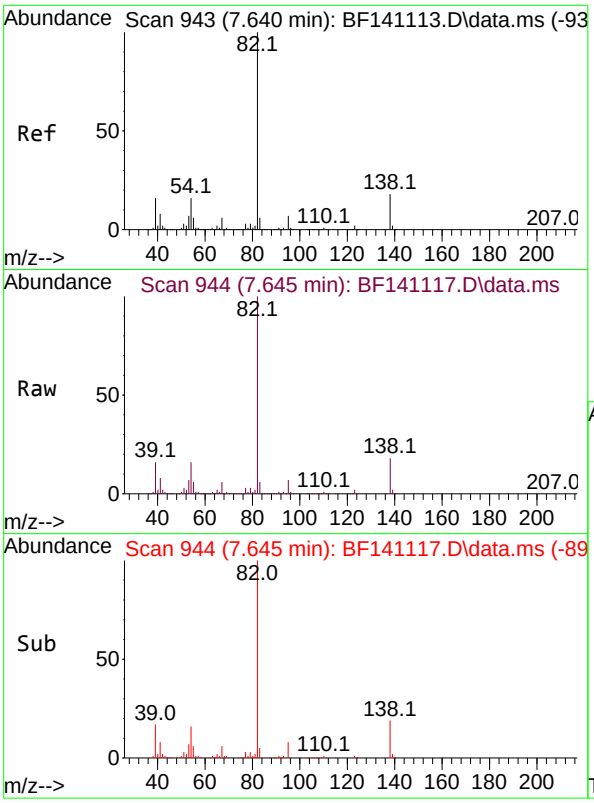


#24
Nitrobenzene
Concen: 48.807 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion: 77 Resp: 599817

Ion	Ratio	Lower	Upper
77	100		
123	47.5	37.7	56.5
65	13.6	10.6	16.0

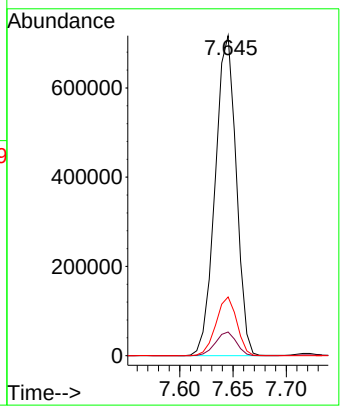




#25
Isophorone
Concen: 48.754 ng
RT: 7.645 min Scan# 94
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion: 82 Resp: 98249

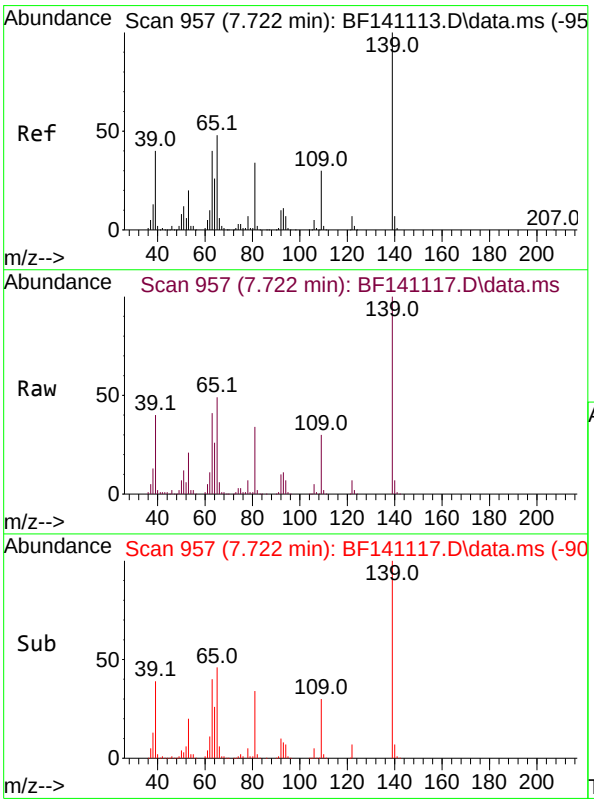
Ion	Ratio	Lower	Upper
82	100		
95	7.4	5.9	8.9
138	18.3	14.2	21.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

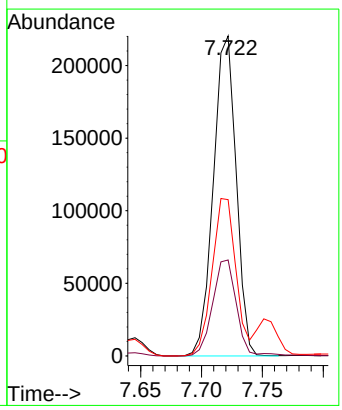
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

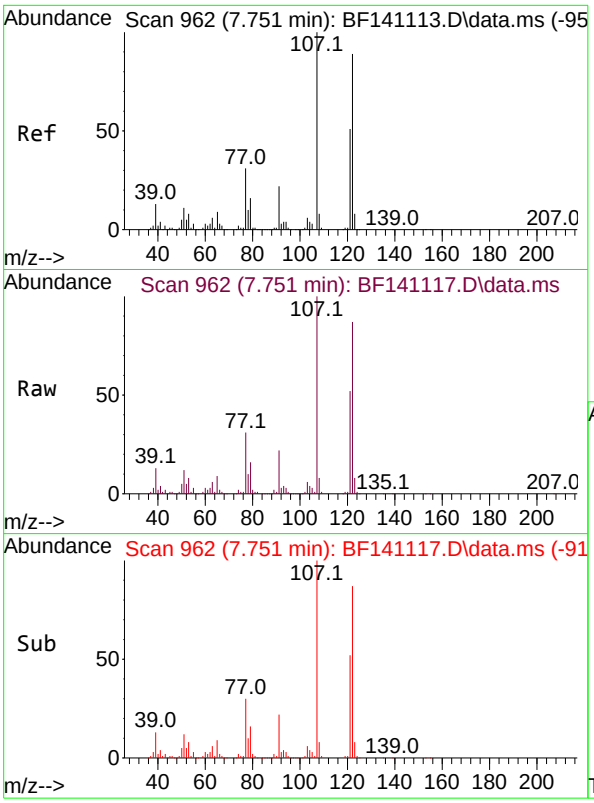


#26
2-Nitrophenol
Concen: 51.416 ng
RT: 7.722 min Scan# 957
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:139 Resp: 287436

Ion	Ratio	Lower	Upper
139	100		
109	30.0	23.8	35.6
65	48.8	38.5	57.7

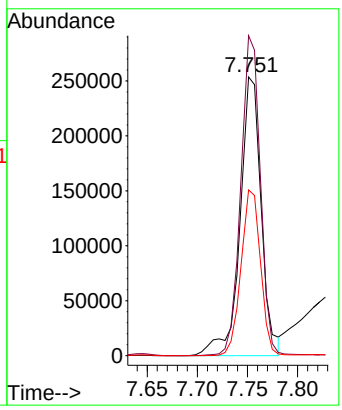




#27
2,4-Dimethylphenol
Concen: 49.629 ng
RT: 7.751 min Scan# 9(
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:122 Resp: 37423(

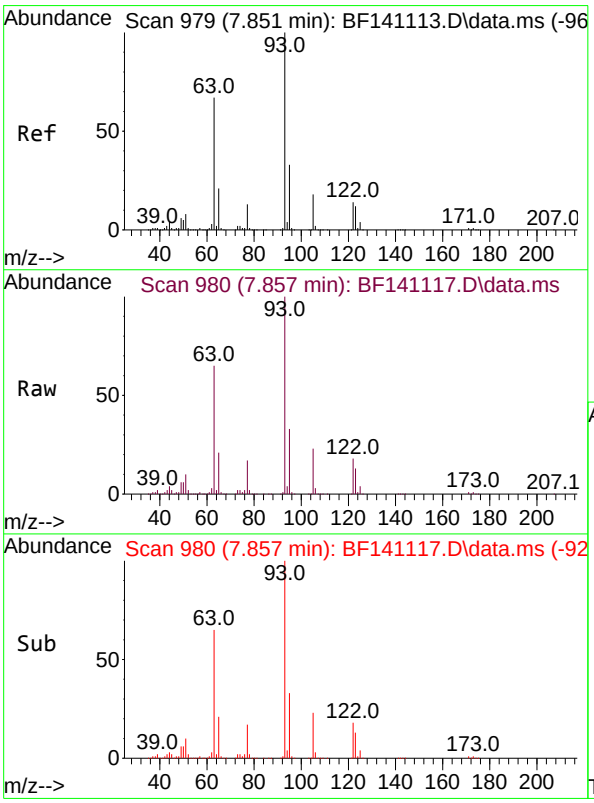
Ion	Ratio	Lower	Upper
122	100		
107	114.8	90.3	135.5
121	59.5	46.5	69.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

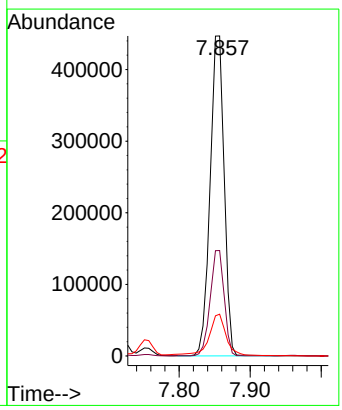
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

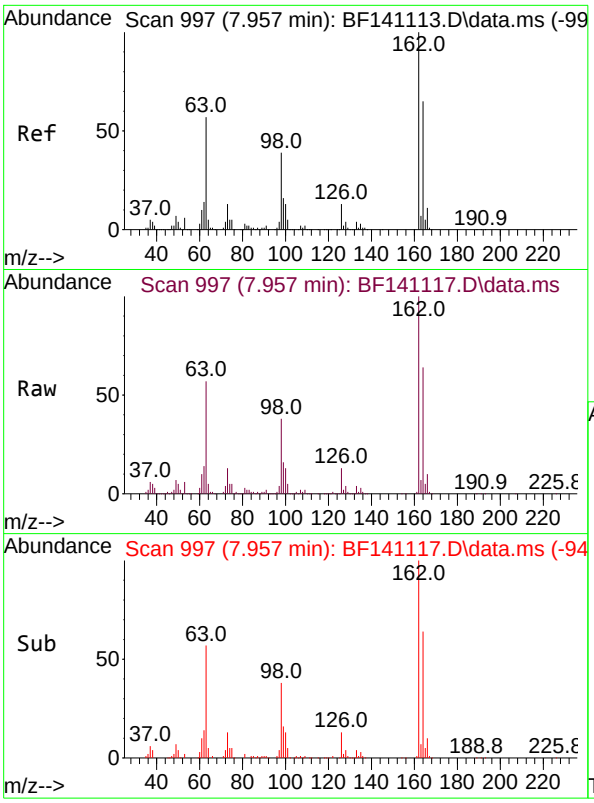


#28
bis(2-Chloroethoxy)methane
Concen: 48.594 ng
RT: 7.857 min Scan# 980
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion: 93 Resp: 614567

Ion	Ratio	Lower	Upper
93	100		
95	33.0	26.2	39.4
123	13.1	10.1	15.1

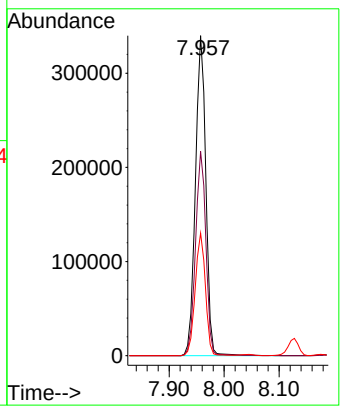




#29
2,4-Dichlorophenol
Concen: 49.935 ng
RT: 7.957 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:162 Resp: 44720

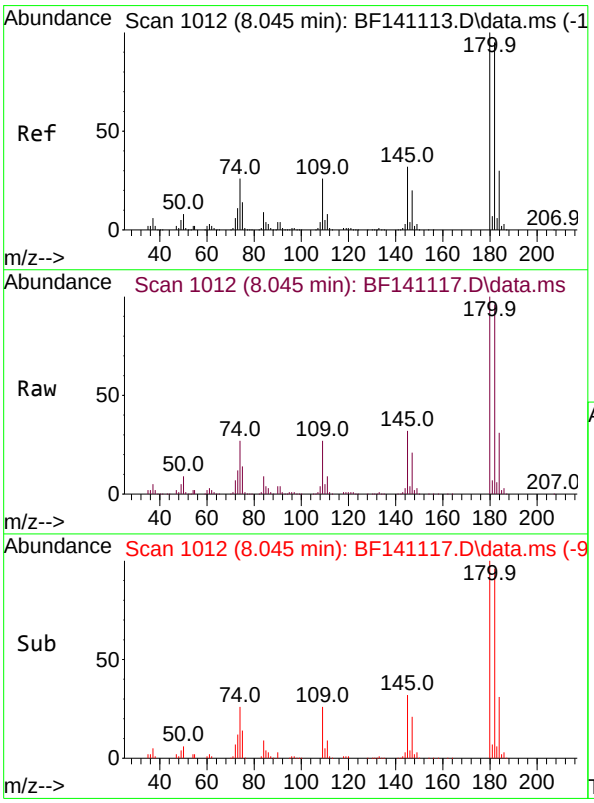
Ion	Ratio	Lower	Upper
162	100		
164	63.9	44.5	84.5
98	38.3	18.5	58.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

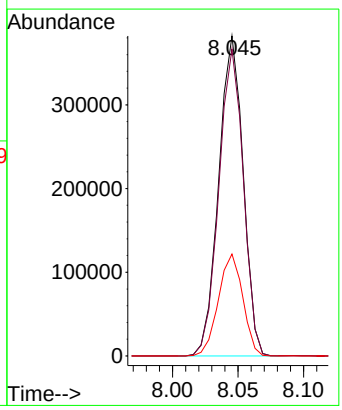
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

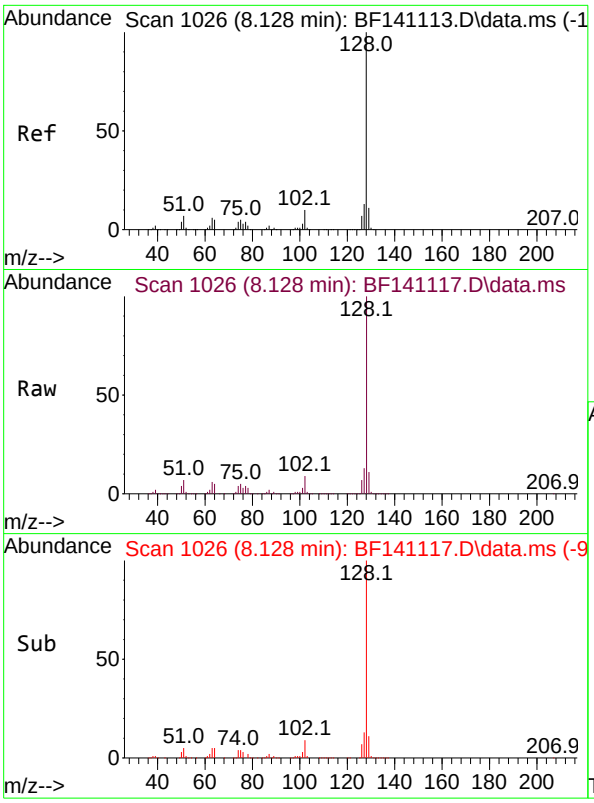


#30
1,2,4-Trichlorobenzene
Concen: 48.394 ng
RT: 8.045 min Scan# 1012
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:180 Resp: 495397

Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.2	114.2
145	31.8	25.3	37.9

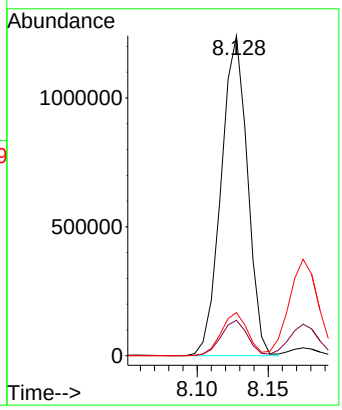




#31
Naphthalene
Concen: 48.495 ng
RT: 8.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:128 Resp: 159857

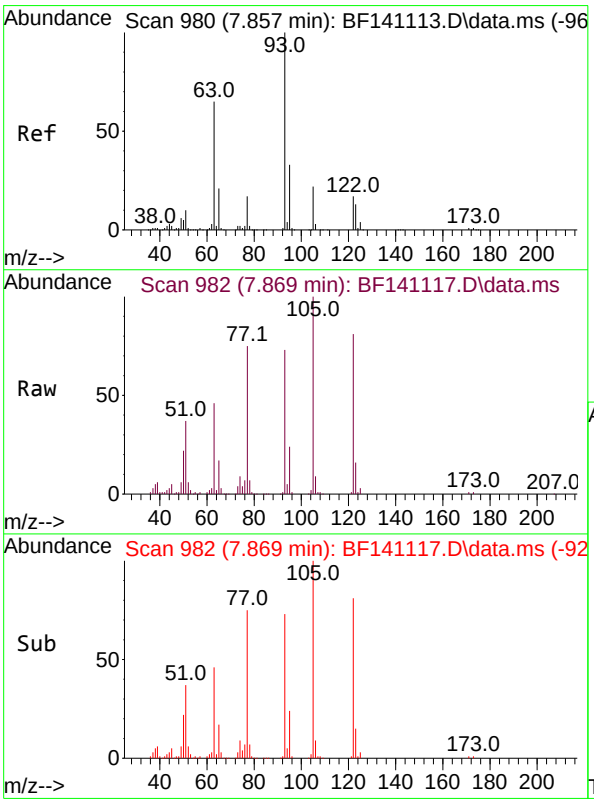
Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.6
127	13.5	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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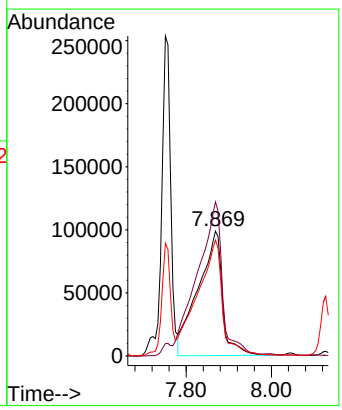
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

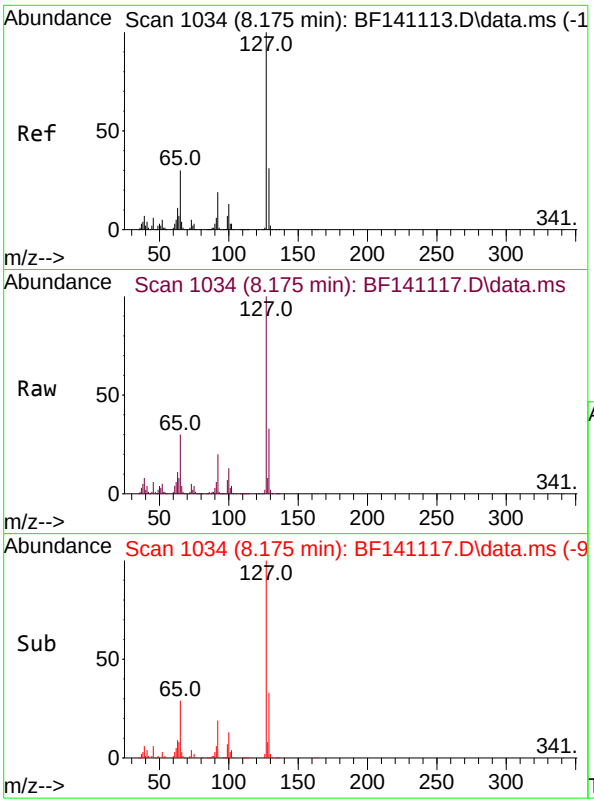


#32
Benzoic acid
Concen: 54.138 ng
RT: 7.869 min Scan# 982
Delta R.T. 0.012 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:122 Resp: 391608

Ion	Ratio	Lower	Upper
122	100		
105	123.5	105.5	145.5
77	92.8	75.1	115.1

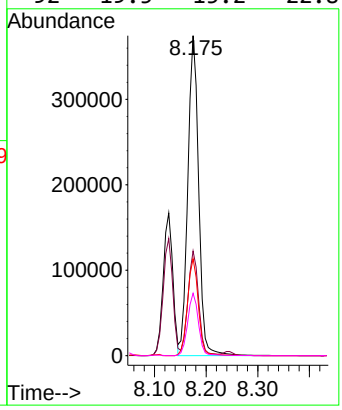




#33
4-Chloroaniline
Concen: 47.801 ng
RT: 8.175 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:127 Resp: 54493

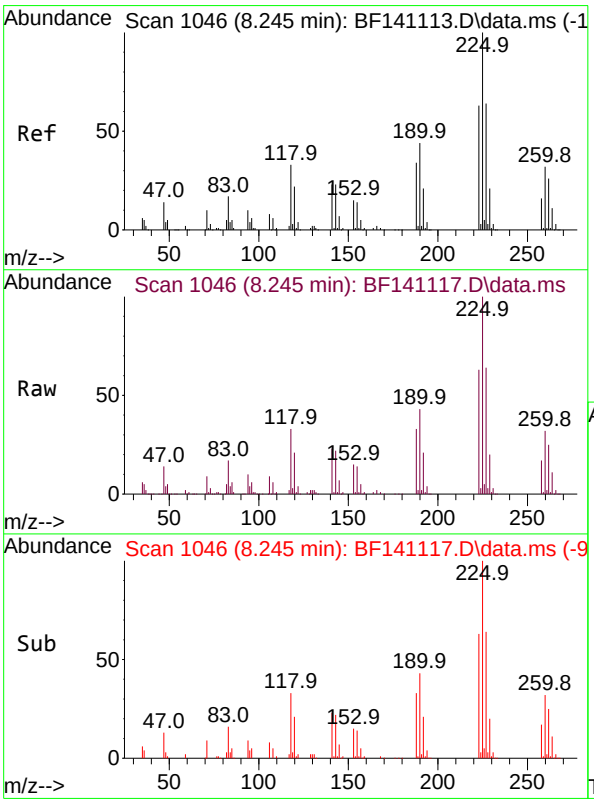
Ion	Ratio	Lower	Upper
127	100		
129	32.7	25.9	38.9
65	30.3	23.8	35.8
92	19.5	15.2	22.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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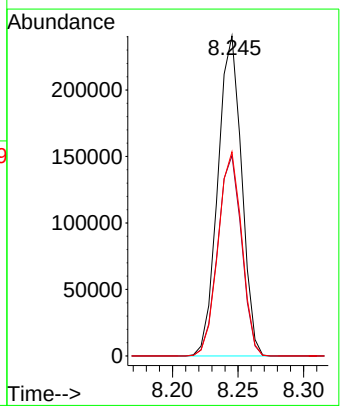
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

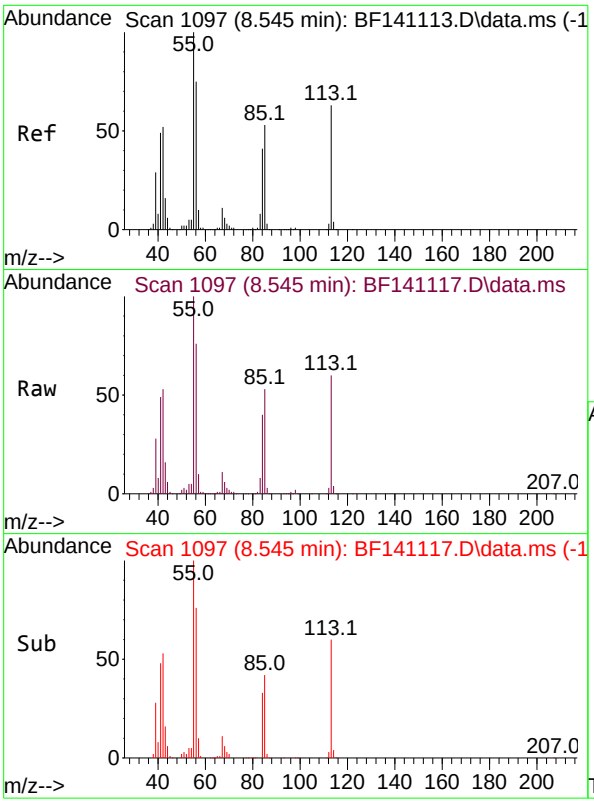


#34
Hexachlorobutadiene
Concen: 49.102 ng
RT: 8.245 min Scan# 1046
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:225 Resp: 302873

Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.6	76.0
227	63.8	51.6	77.4





#35
Caprolactam
Concen: 49.927 ng m
RT: 8.545 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

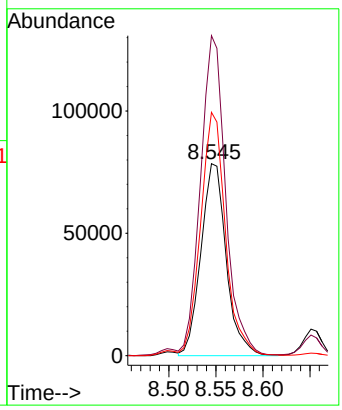
Tgt Ion:113 Resp: 14666

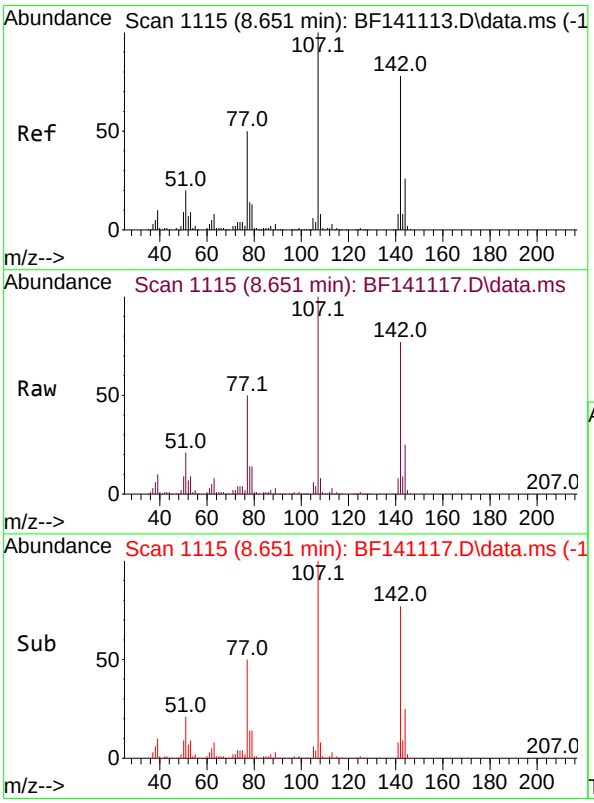
Ion	Ratio	Lower	Upper
113	100		
55	166.6	139.7	179.7
56	126.8	99.4	139.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

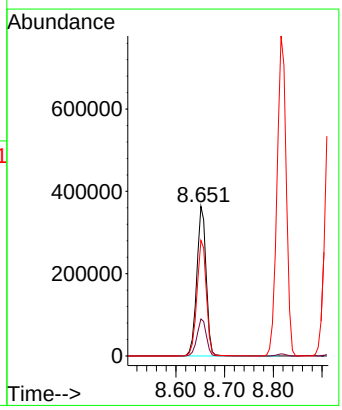


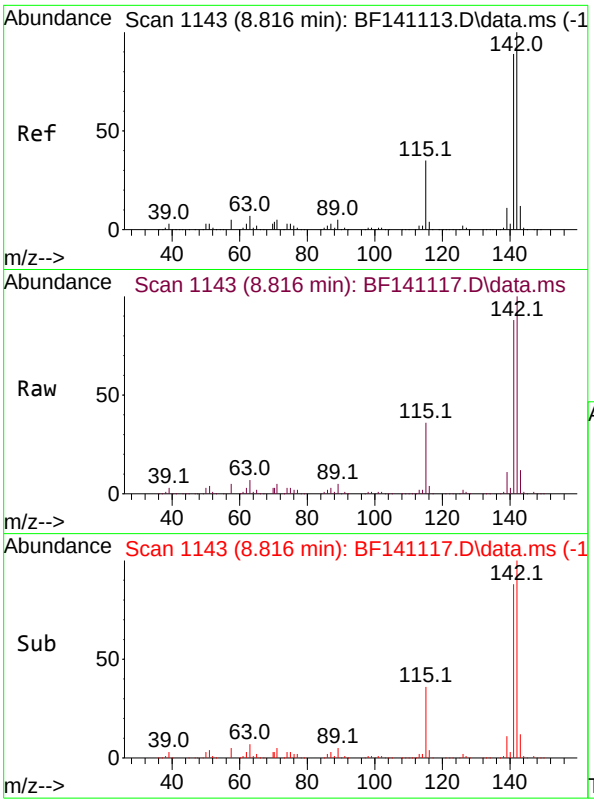


#36
4-Chloro-3-methylphenol
Concen: 49.859 ng
RT: 8.651 min Scan# 1115
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:107 Resp: 488345

Ion	Ratio	Lower	Upper
107	100		
144	24.7	20.4	30.6
142	77.2	62.2	93.2

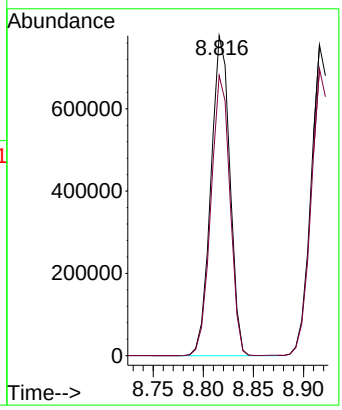




#37
2-Methylnaphthalene
Concen: 48.619 ng
RT: 8.816 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:142 Resp: 102126

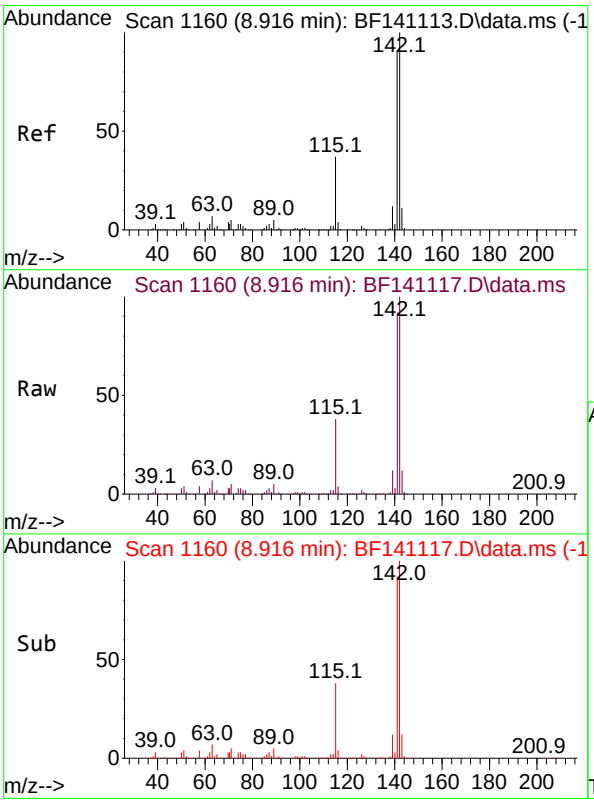
Ion	Ratio	Lower	Upper
142	100		
141	87.5	71.3	106.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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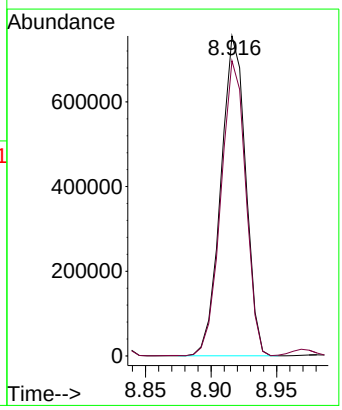
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

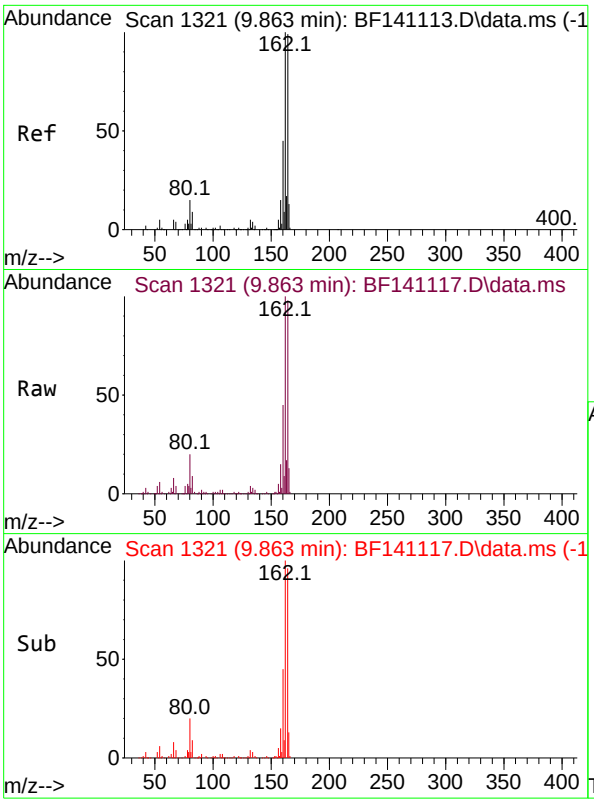


#38
1-Methylnaphthalene
Concen: 47.950 ng
RT: 8.916 min Scan# 1160
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:142 Resp: 992651

Ion	Ratio	Lower	Upper
142	100		
141	92.3	73.1	109.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

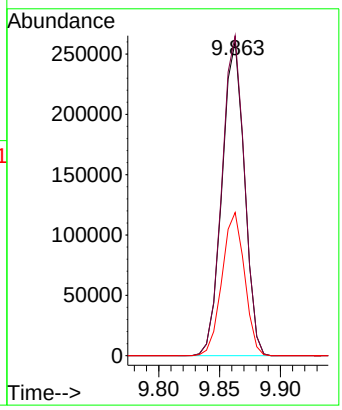
Tgt Ion:164 Resp: 33351

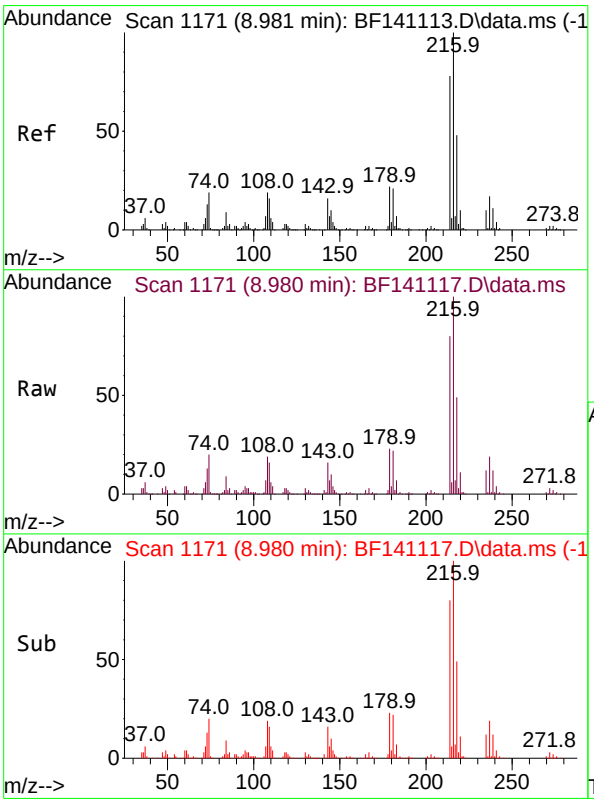
Ion	Ratio	Lower	Upper
164	100		
162	101.9	81.0	121.4
160	45.6	36.1	54.1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

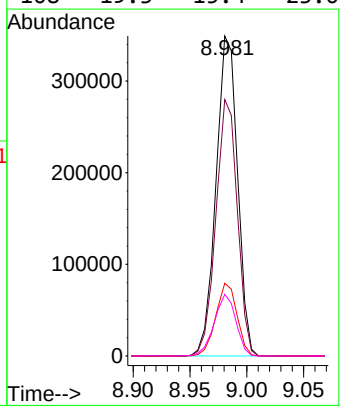


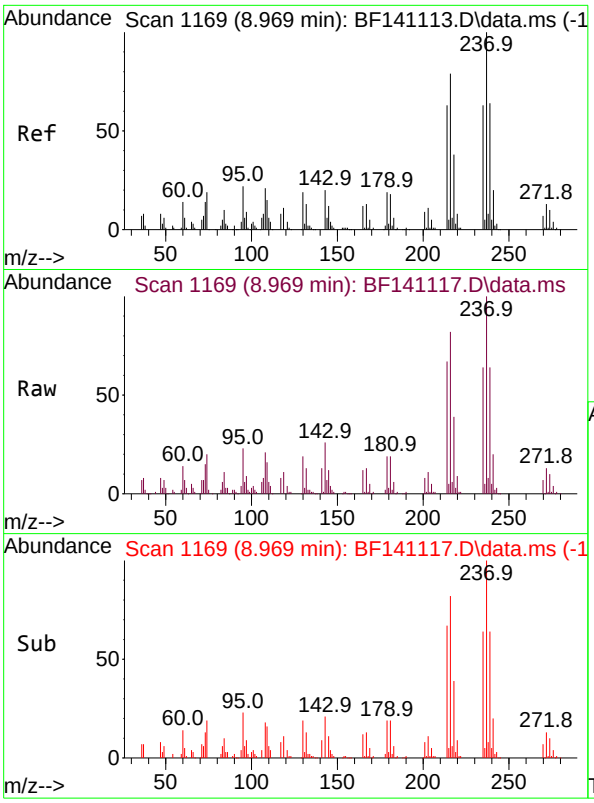


#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.082 ng
RT: 8.980 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:216 Resp: 460261

Ion	Ratio	Lower	Upper
216	100		
214	79.7	62.6	94.0
179	22.3	17.7	26.5
108	19.3	15.4	23.0

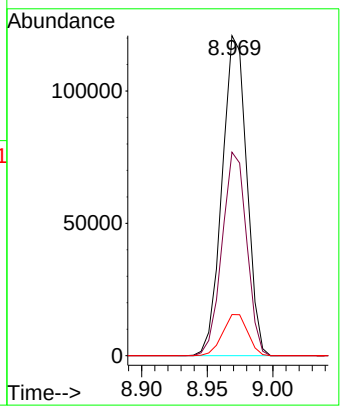




#41
Hexachlorocyclopentadiene
Concen: 50.395 ng
RT: 8.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:237 Resp: 15782

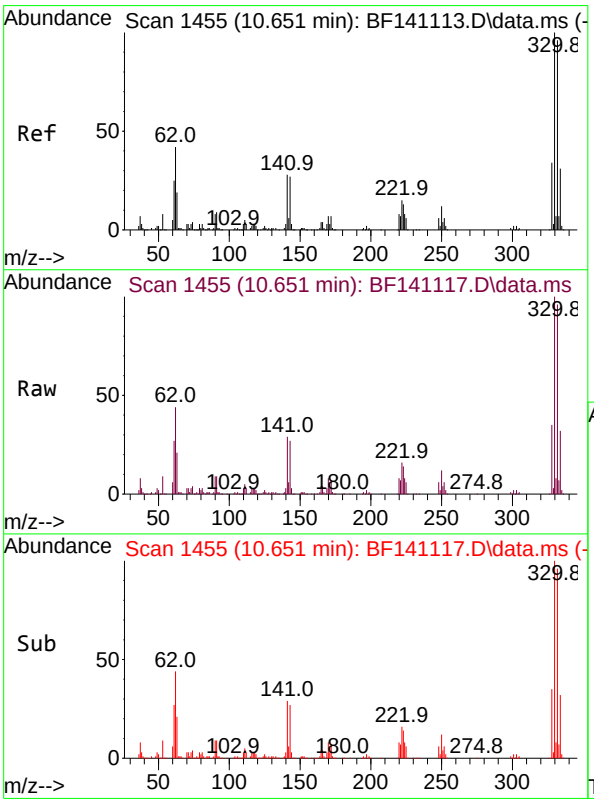
Ion	Ratio	Lower	Upper
237	100		
235	63.6	43.0	83.0
272	12.8	0.0	33.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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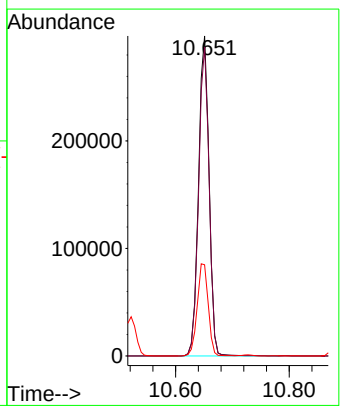
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

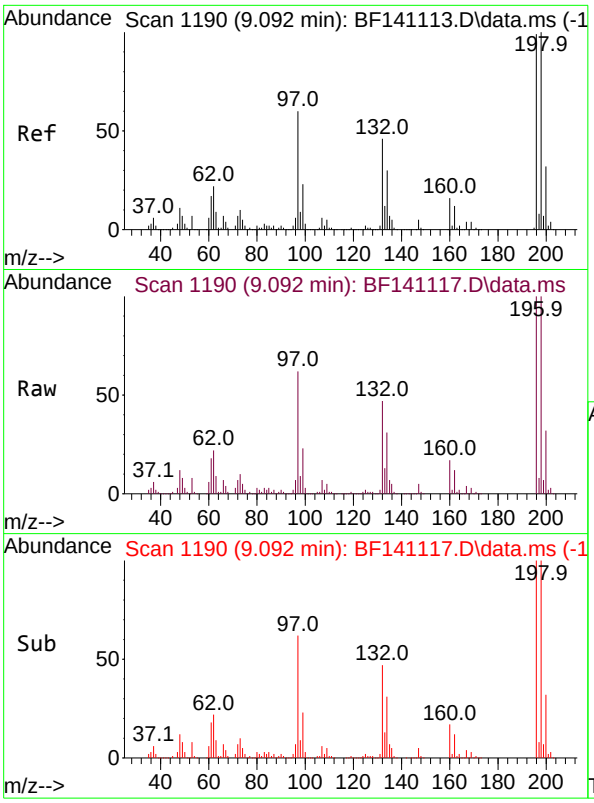


#42
2,4,6-Tribromophenol
Concen: 101.033 ng
RT: 10.651 min Scan# 1455
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:330 Resp: 383942

Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.9	115.3
141	30.2	25.2	37.8

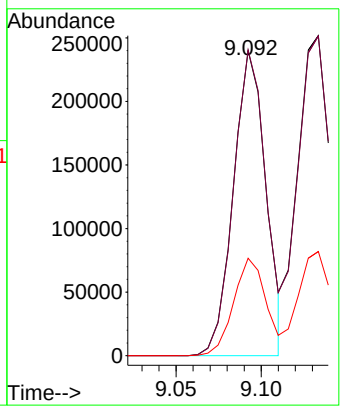




#43
2,4,6-Trichlorophenol
Concen: 49.299 ng
RT: 9.092 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:196 Resp: 31827

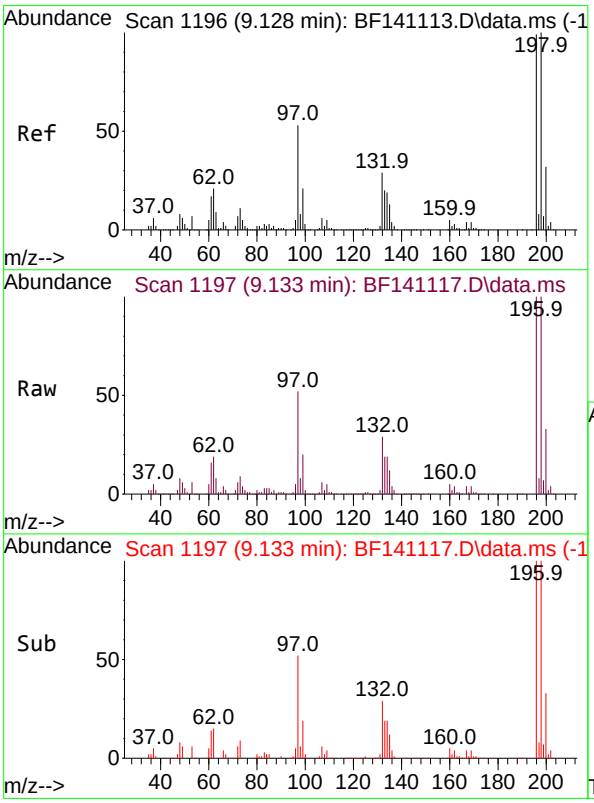
Ion	Ratio	Lower	Upper
196	100		
198	100.3	80.8	121.2
200	32.0	25.7	38.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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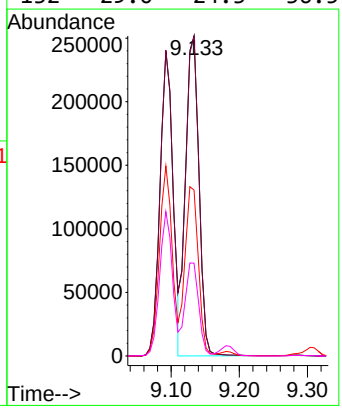
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

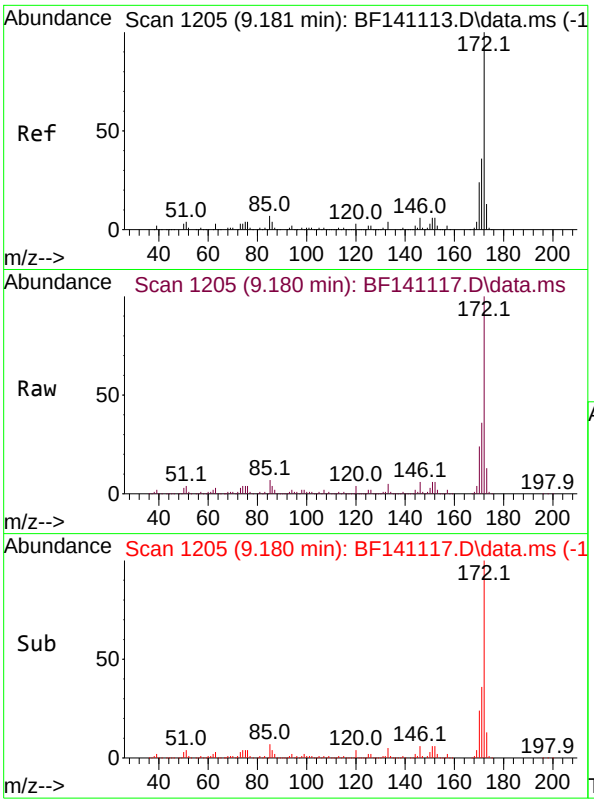


#44
2,4,5-Trichlorophenol
Concen: 50.201 ng
RT: 9.133 min Scan# 1197
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:196 Resp: 342288

Ion	Ratio	Lower	Upper
196	100		
198	99.9	80.6	120.8
97	51.9	43.1	64.7
132	29.0	24.3	36.5

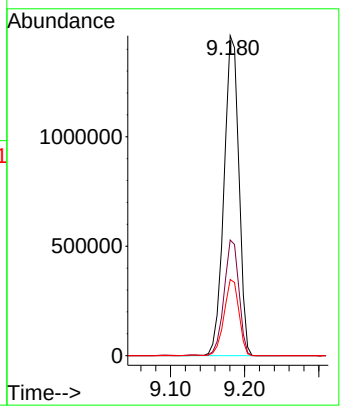




#45
2-Fluorobiphenyl
Concen: 93.427 ng
RT: 9.180 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:172 Resp: 204048

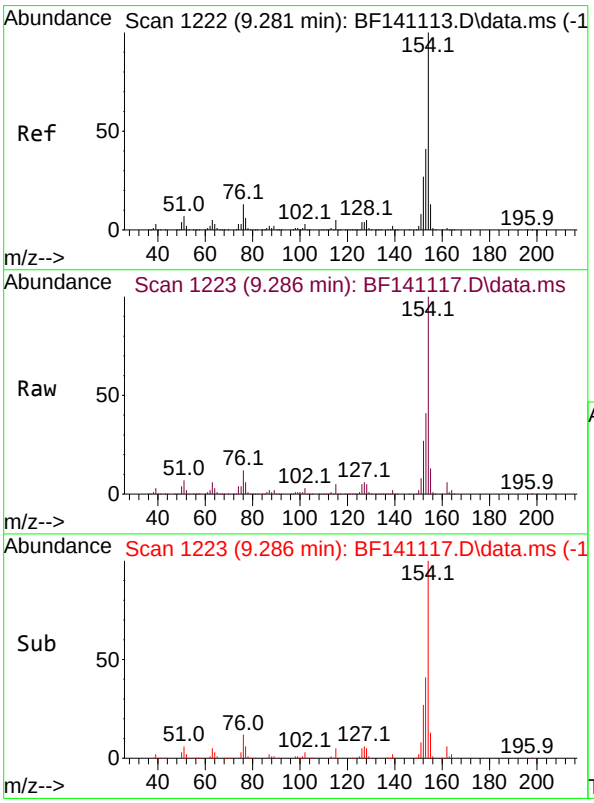
Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.7	43.1
170	23.8	19.0	28.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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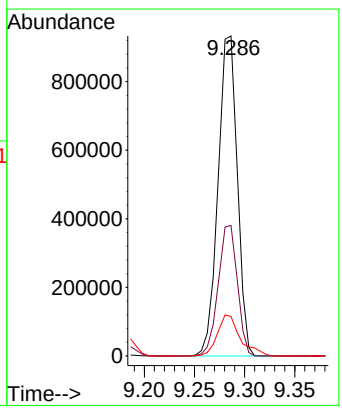
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

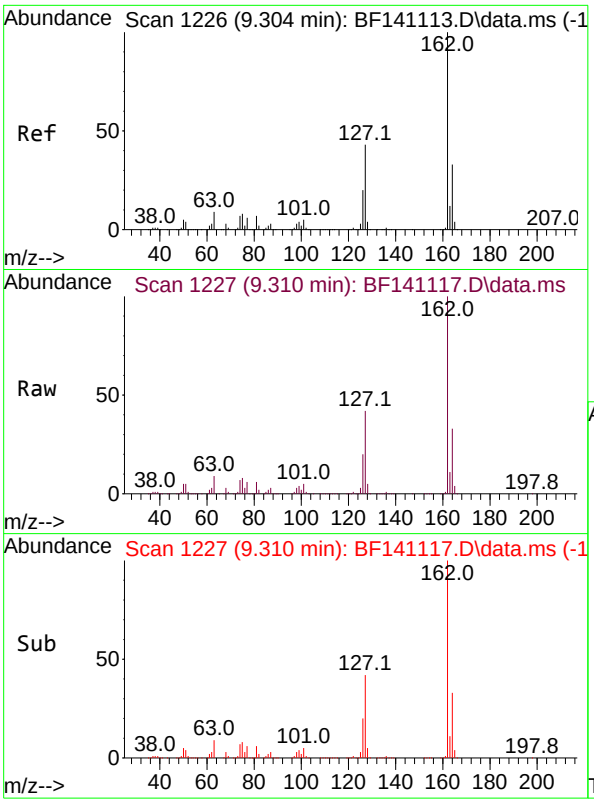


#46
1,1'-Biphenyl
Concen: 48.003 ng
RT: 9.286 min Scan# 1223
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:154 Resp: 1243305

Ion	Ratio	Lower	Upper
154	100		
153	40.8	20.7	60.7
76	12.4	0.0	33.1





#47
2-Chloronaphthalene
Concen: 48.530 ng
RT: 9.310 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

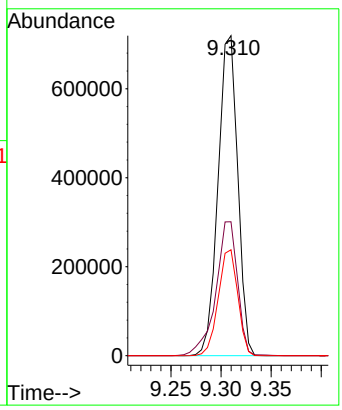
Tgt Ion:162 Resp: 97900

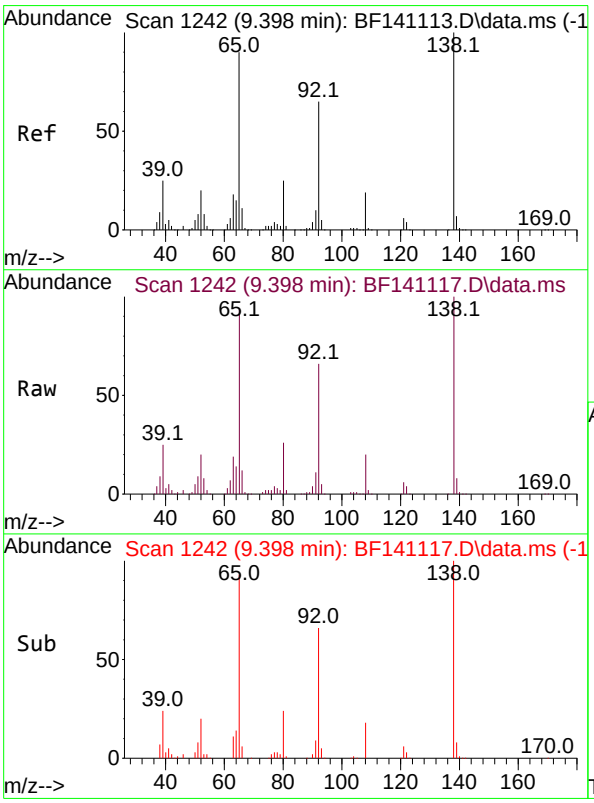
Ion	Ratio	Lower	Upper
162	100		
127	41.9	34.6	51.8
164	33.1	26.5	39.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

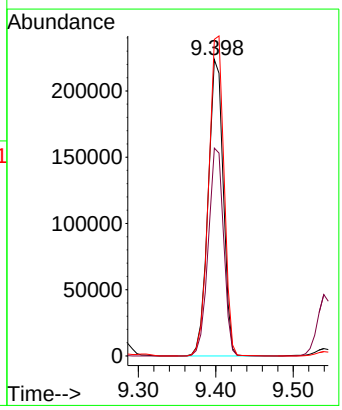


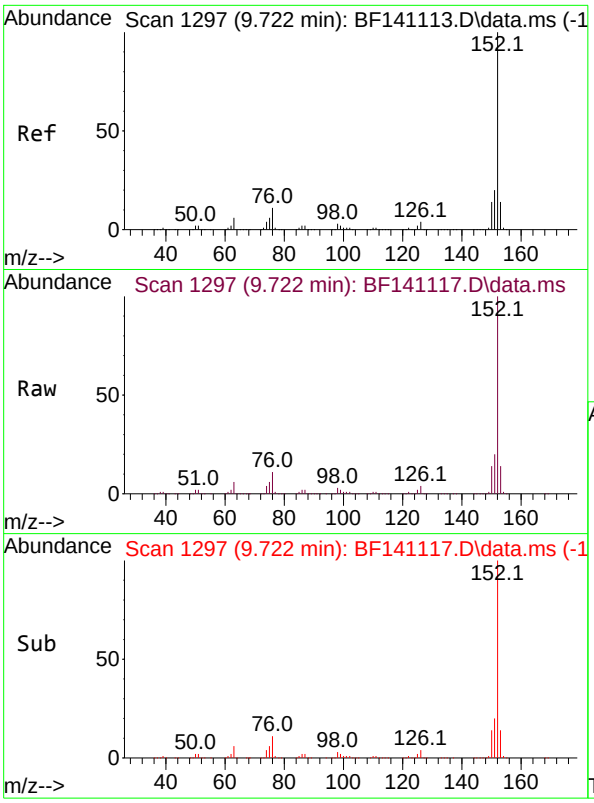


#48
2-Nitroaniline
Concen: 50.844 ng
RT: 9.398 min Scan# 1242
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion: 65 Resp: 304048

Ion	Ratio	Lower	Upper
65	100		
92	70.1	58.3	87.5
138	106.9	89.1	133.7

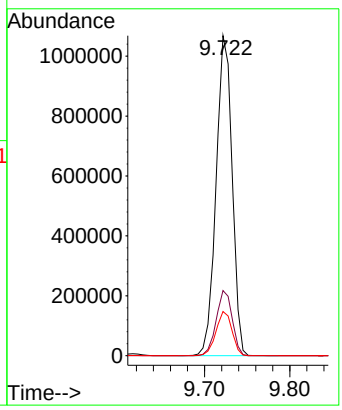




#49
Acenaphthylene
Concen: 48.539 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:152 Resp: 139899

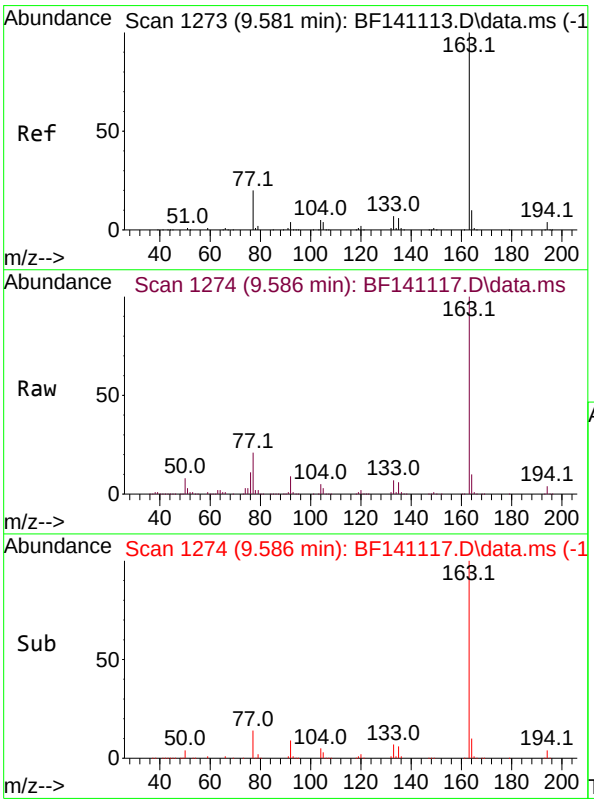
Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.1	24.1
153	13.8	11.1	16.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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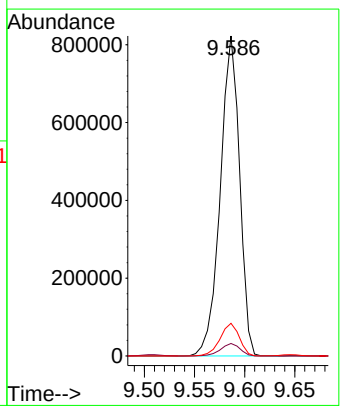
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

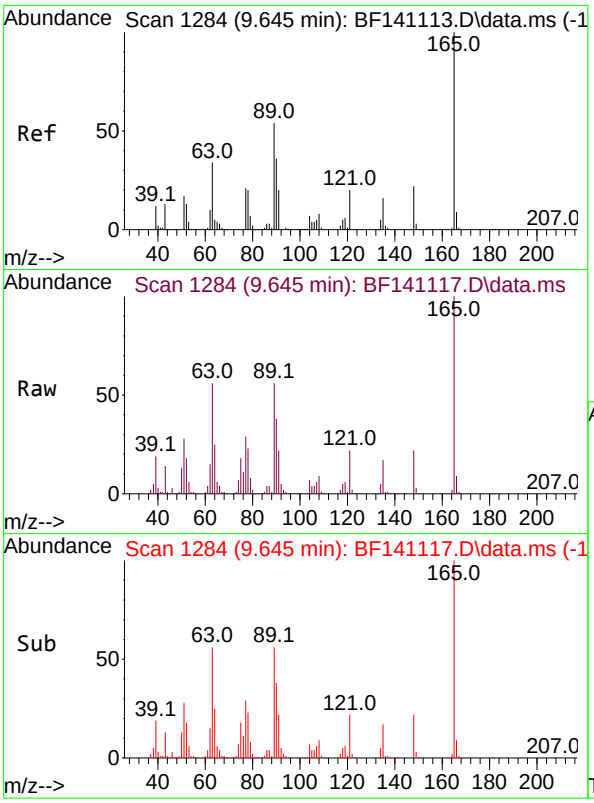


#50
Dimethylphthalate
Concen: 49.076 ng
RT: 9.586 min Scan# 1274
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:163 Resp: 1098805

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.0	4.6
164	10.2	8.2	12.4





#51
2,6-Dinitrotoluene
Concen: 50.434 ng
RT: 9.645 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

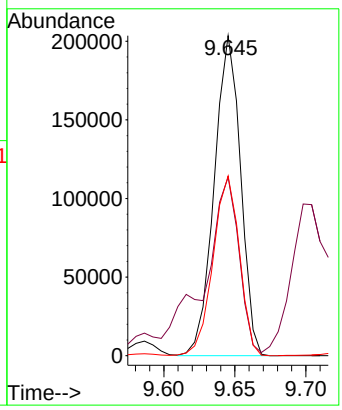
Tgt Ion:165 Resp: 26259

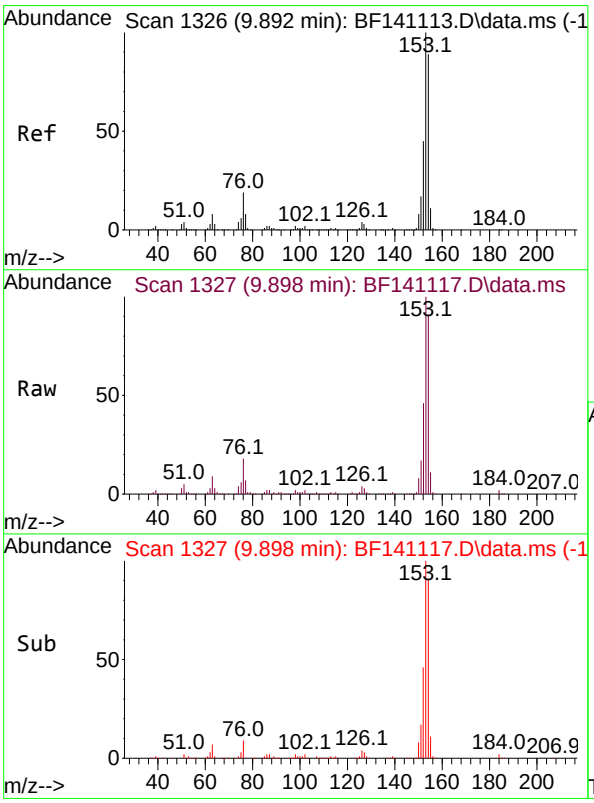
Ion	Ratio	Lower	Upper
165	100		
63	55.8	42.3	63.5
89	56.1	43.1	64.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

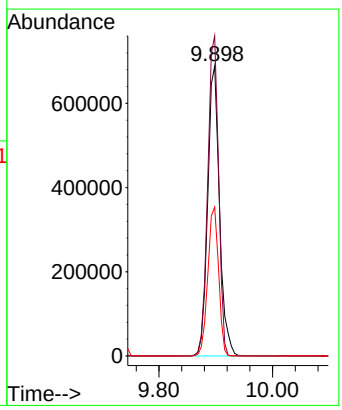


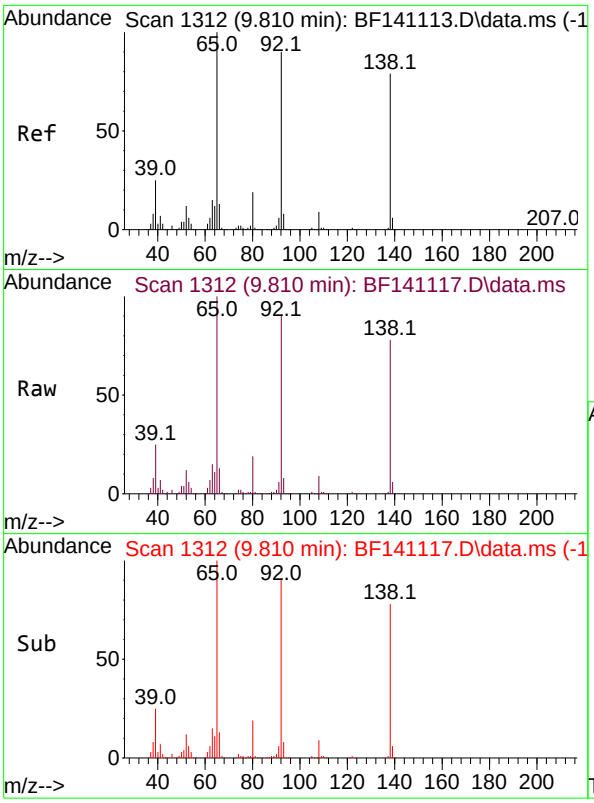


#52
Acenaphthene
Concen: 49.066 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:154 Resp: 988008

Ion	Ratio	Lower	Upper
154	100		
153	110.4	89.8	134.6
152	51.3	40.8	61.2





#53
3-Nitroaniline
Concen: 50.440 ng
RT: 9.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

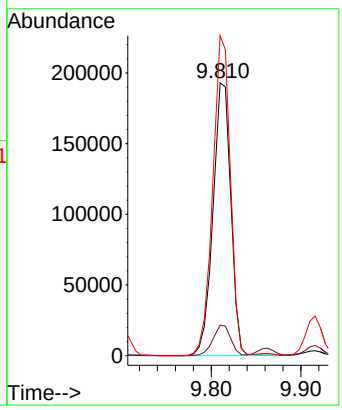
Tgt Ion:138 Resp: 26688

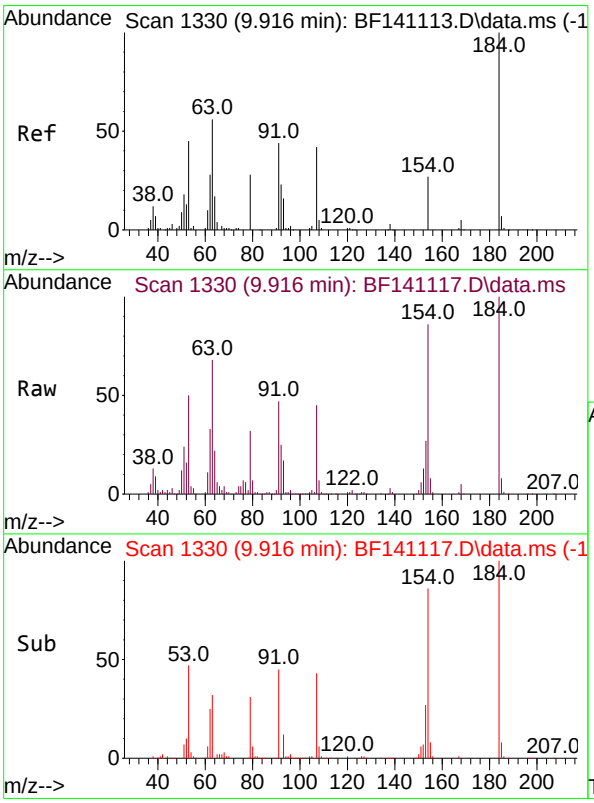
Ion	Ratio	Lower	Upper
138	100		
108	11.2	8.8	13.2
92	117.2	91.3	136.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

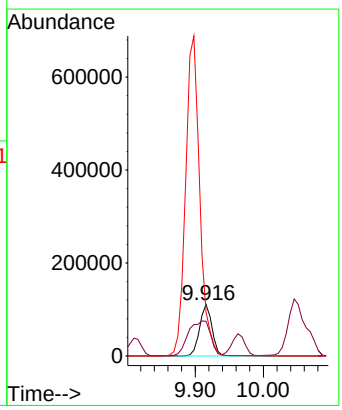


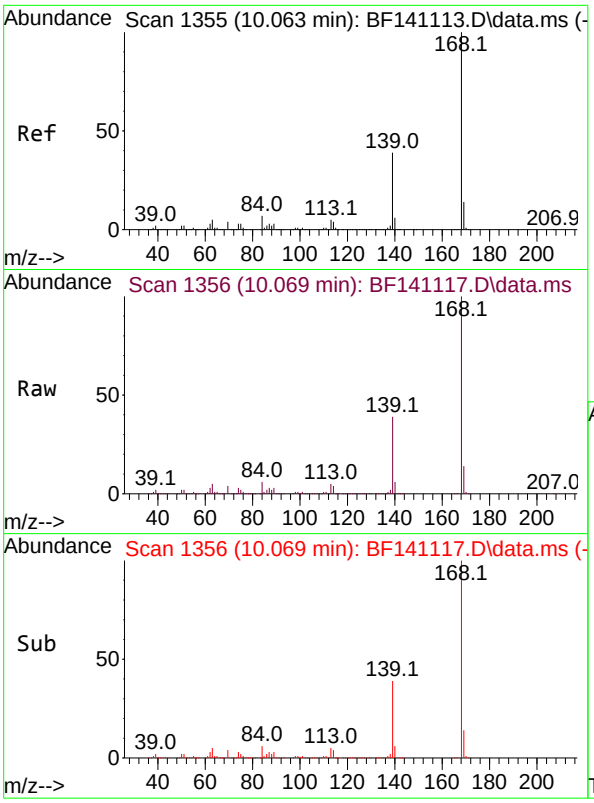


#54
2,4-Dinitrophenol
Concen: 56.530 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:184 Resp: 139903

Ion	Ratio	Lower	Upper
184	100		
63	67.8	48.7	73.1
154	86.2	57.1	85.7#

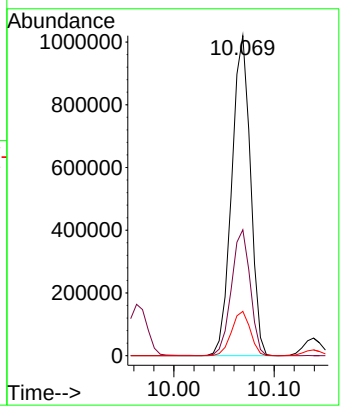




#55
Dibenzofuran
Concen: 48.261 ng
RT: 10.069 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:168 Resp: 132184

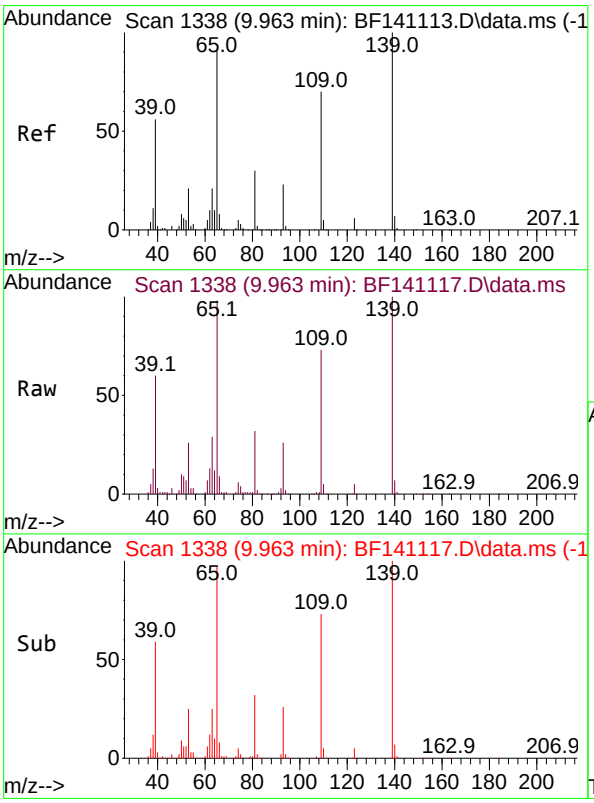
Ion	Ratio	Lower	Upper
168	100		
139	39.3	31.4	47.0
169	13.9	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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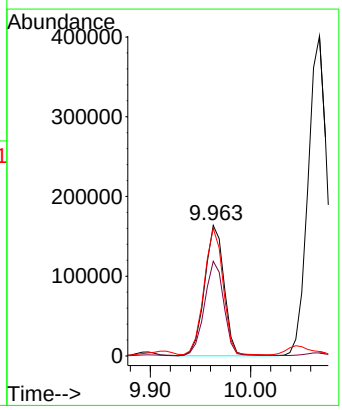
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

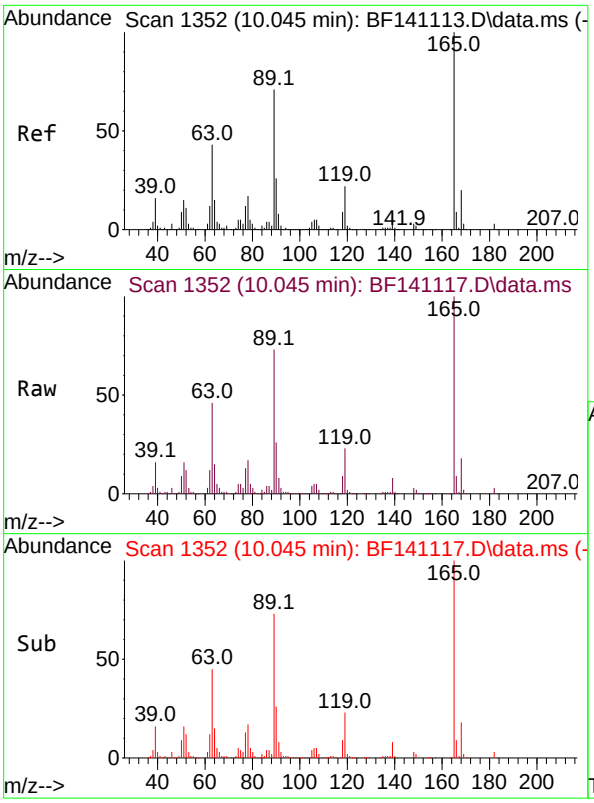


#56
4-Nitrophenol
Concen: 53.183 ng
RT: 9.963 min Scan# 1338
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:139 Resp: 220382

Ion	Ratio	Lower	Upper
139	100		
109	72.5	50.2	90.2
65	97.7	72.1	112.1

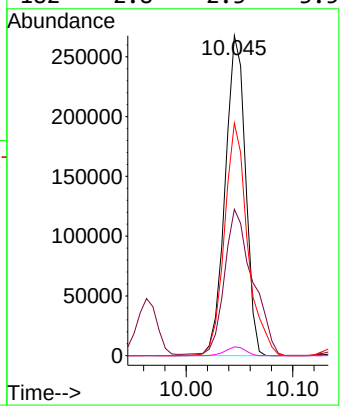




#57
2,4-Dinitrotoluene
Concen: 52.728 ng
RT: 10.045 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:165 Resp: 35380

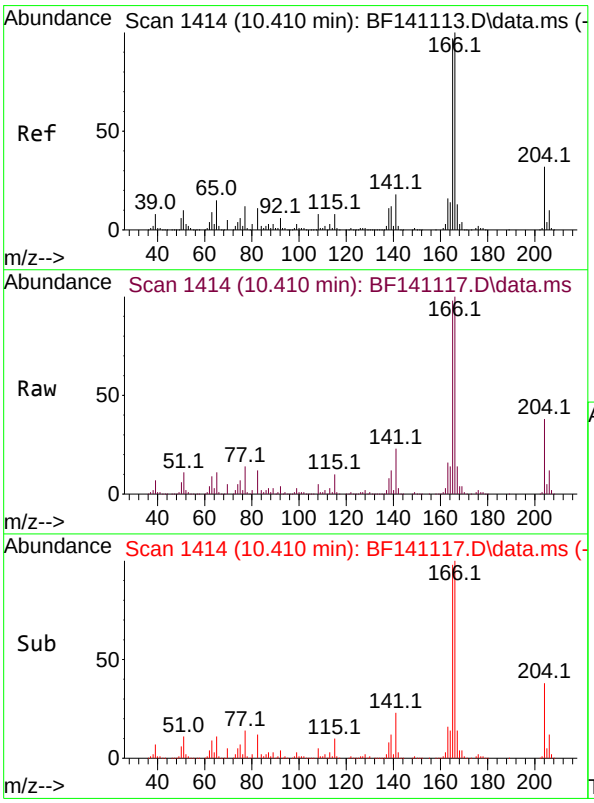
Ion	Ratio	Lower	Upper
165	100		
63	45.8	35.0	52.4
89	72.7	56.7	85.1
182	2.8	2.3	3.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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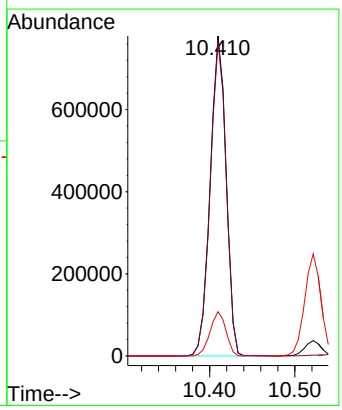
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

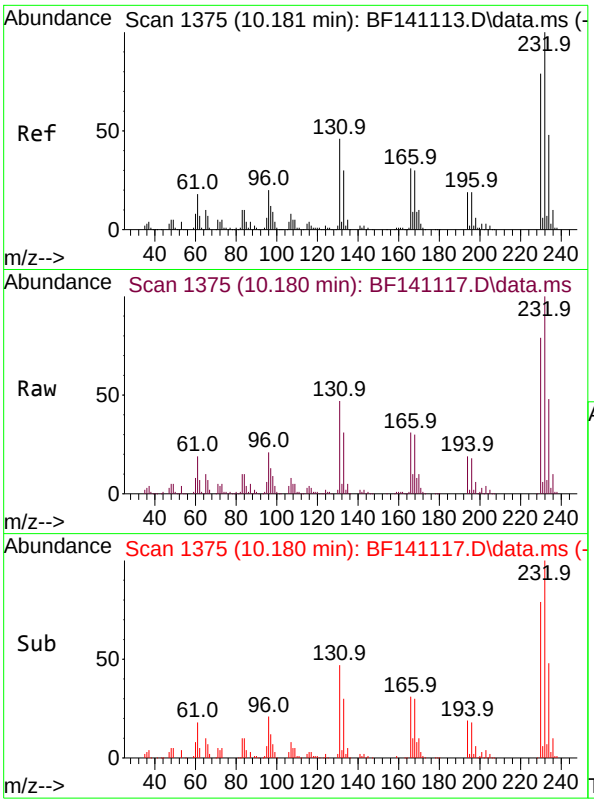


#58
Fluorene
Concen: 47.543 ng
RT: 10.410 min Scan# 1414
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:166 Resp: 1011650

Ion	Ratio	Lower	Upper
166	100		
165	98.1	77.8	116.8
167	13.8	10.8	16.2

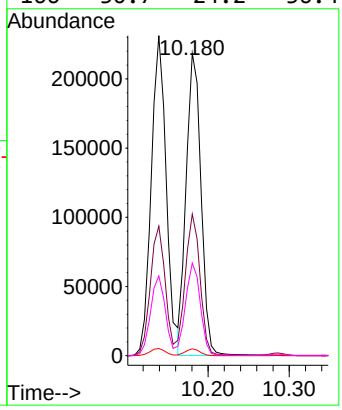




#59
2,3,4,6-Tetrachlorophenol
Concen: 49.019 ng
RT: 10.180 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:232 Resp: 27781

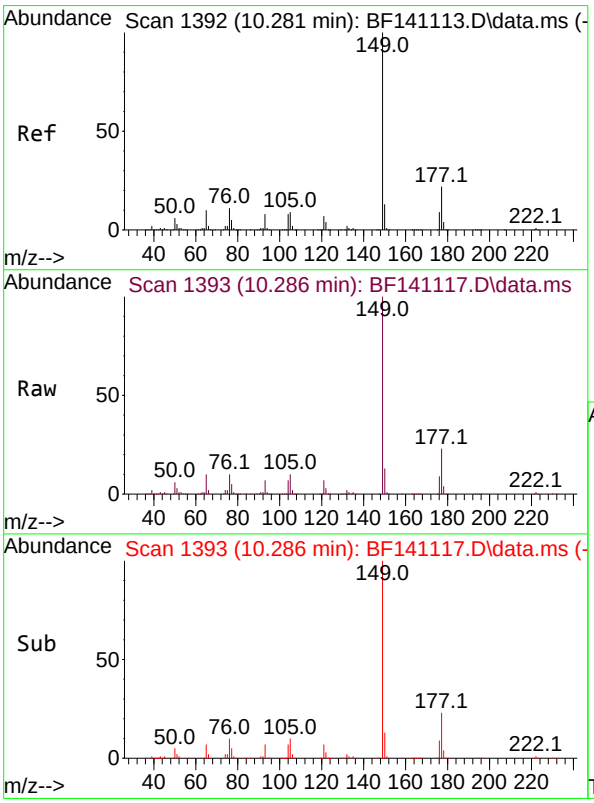
Ion	Ratio	Lower	Upper
232	100		
131	46.8	36.2	54.4
130	2.3	2.0	3.0
166	30.7	24.2	36.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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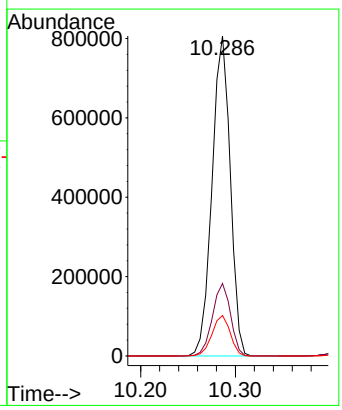
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

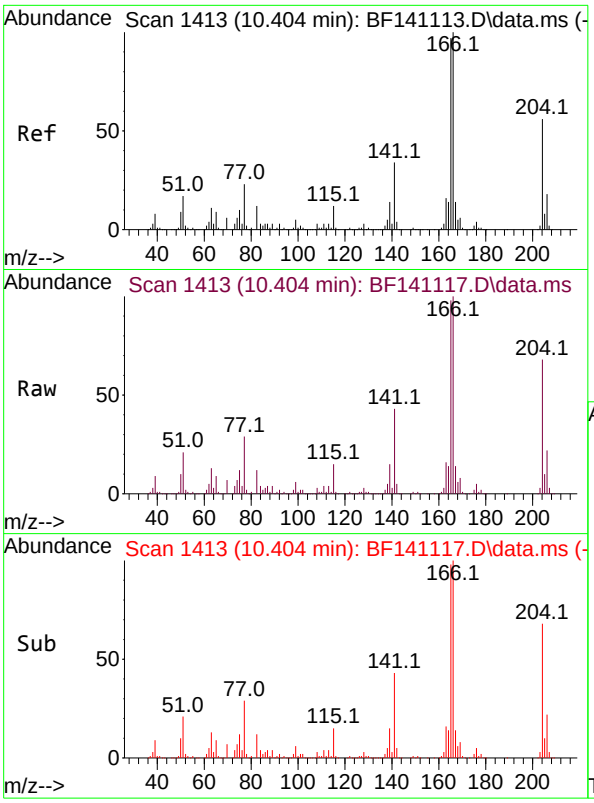


#60
Diethylphthalate
Concen: 49.171 ng
RT: 10.286 min Scan# 1393
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:149 Resp: 1074789

Ion	Ratio	Lower	Upper
149	100		
177	22.7	17.9	26.9
150	12.6	10.2	15.2





#61
4-Chlorophenyl-phenylether
Concen: 47.665 ng
RT: 10.404 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

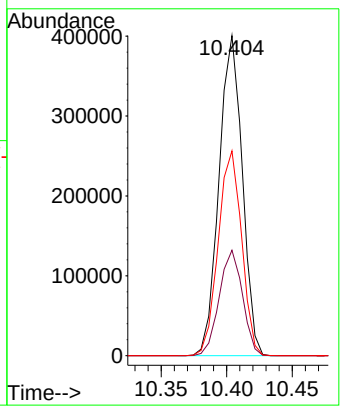
Tgt Ion:204 Resp: 49432

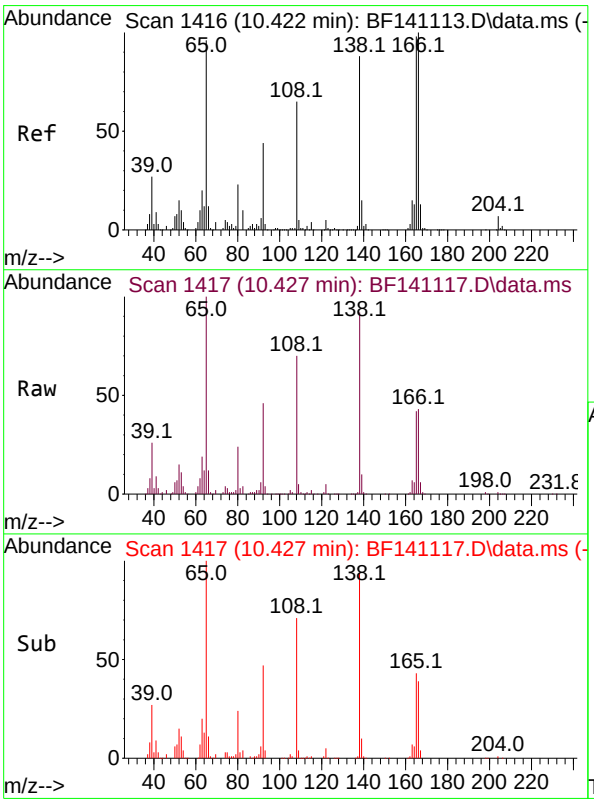
Ion	Ratio	Lower	Upper
204	100		
206	32.9	25.9	38.9
141	64.0	49.1	73.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

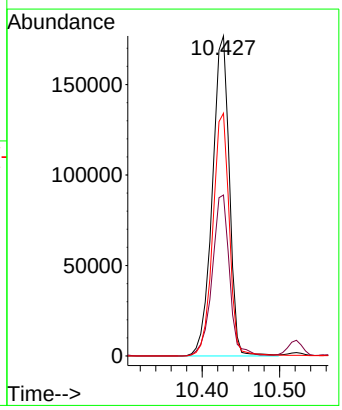


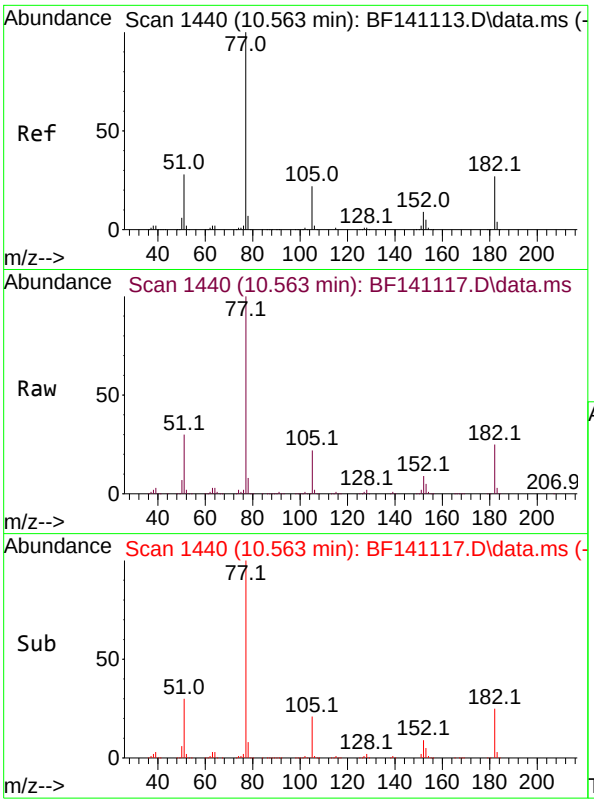


#62
4-Nitroaniline
Concen: 52.024 ng
RT: 10.427 min Scan# 1417
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:138 Resp: 269415

Ion	Ratio	Lower	Upper
138	100		
92	50.3	29.4	69.4
108	75.9	53.7	93.7

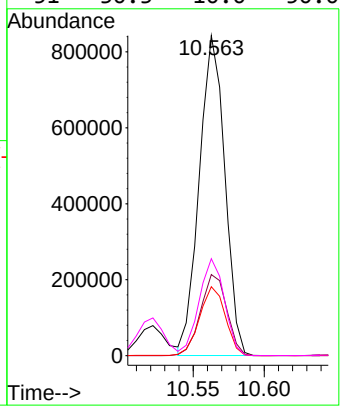




#63
Azobenzene
Concen: 48.881 ng
RT: 10.563 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion: 77 Resp: 105427

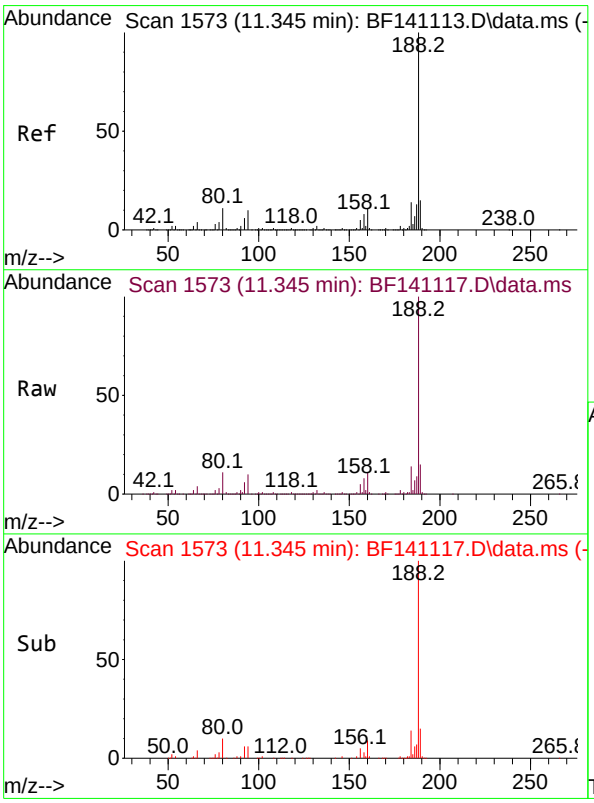
Ion	Ratio	Lower	Upper
77	100		
182	25.4	6.1	46.1
105	21.6	2.1	42.1
51	30.3	10.0	50.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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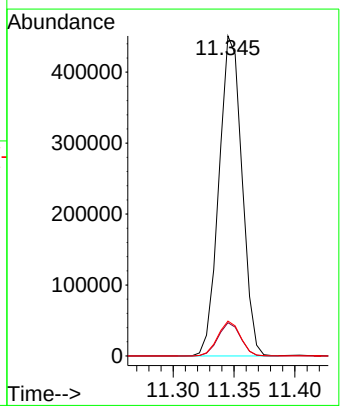
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

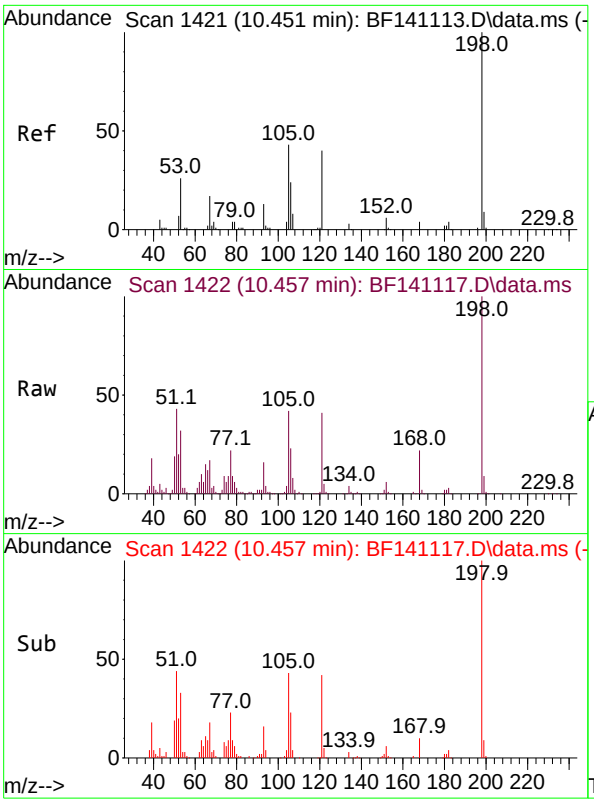


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:188 Resp: 593257

Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.3	12.5
80	10.9	9.0	13.4

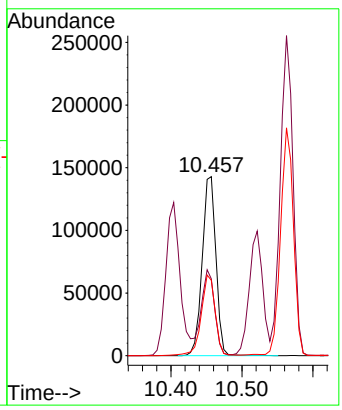




#65
4,6-Dinitro-2-methylphenol
Concen: 55.890 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:198 Resp: 19213

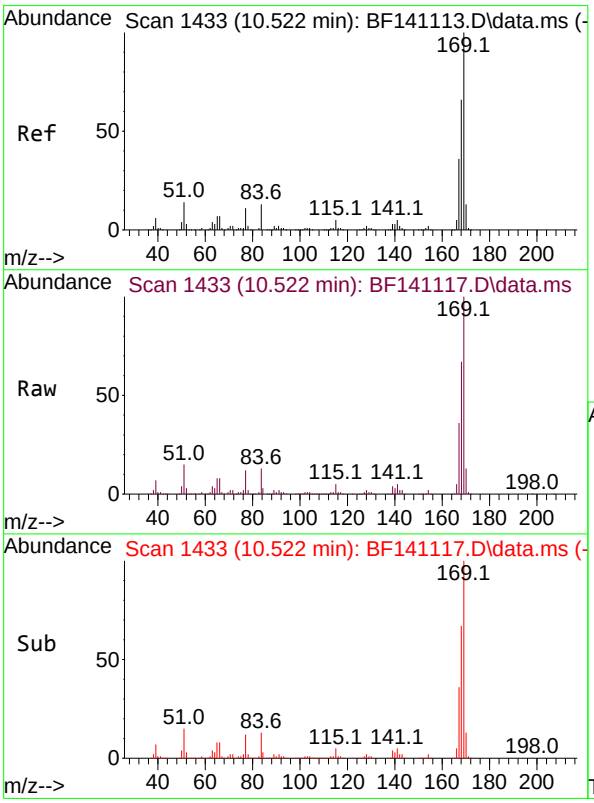
Ion	Ratio	Lower	Upper
198	100		
51	42.9	27.1	67.1
105	42.1	24.2	64.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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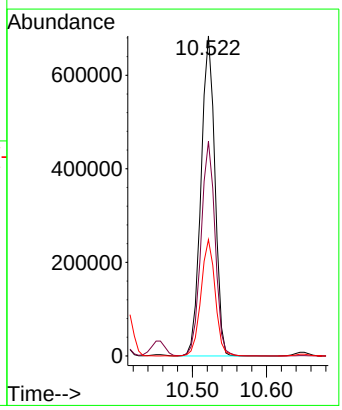
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

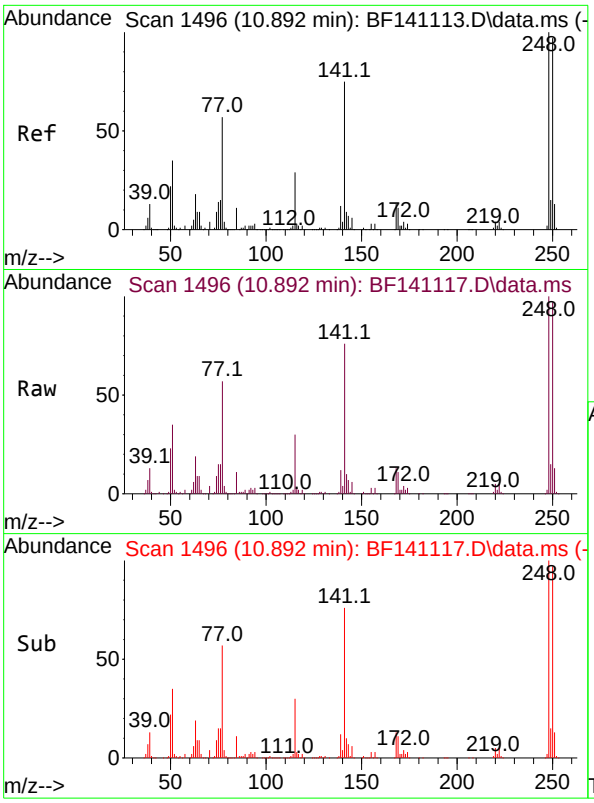


#66
n-Nitrosodiphenylamine
Concen: 46.748 ng
RT: 10.522 min Scan# 1433
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:169 Resp: 894530

Ion	Ratio	Lower	Upper
169	100		
168	67.0	52.5	78.7
167	36.4	28.9	43.3

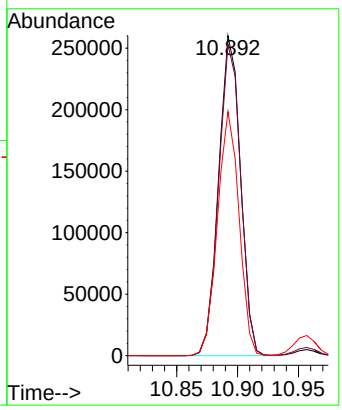




#67
4-Bromophenyl-phenylether
Concen: 47.810 ng
RT: 10.892 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:248 Resp: 32655

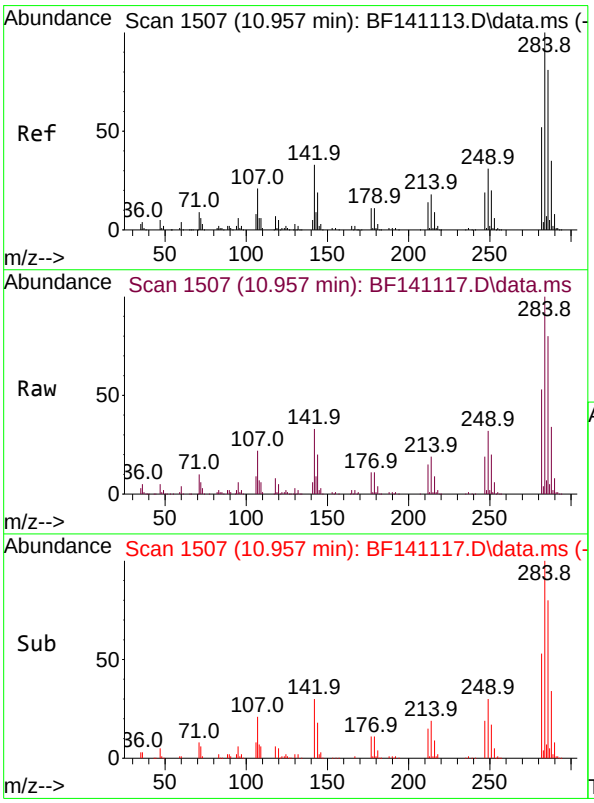
Ion	Ratio	Lower	Upper
248	100		
250	97.3	77.9	116.9
141	76.3	59.9	89.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

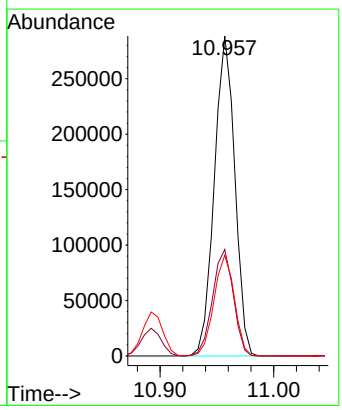
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

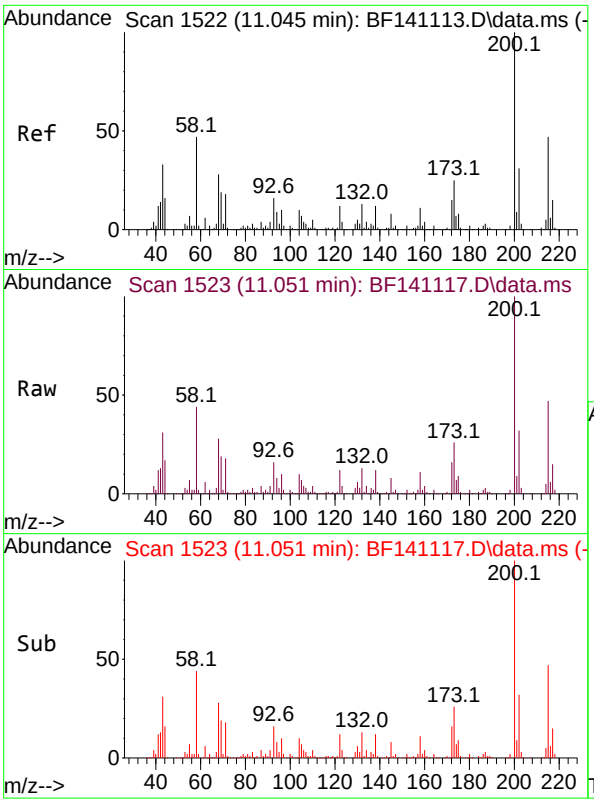


#68
Hexachlorobenzene
Concen: 47.551 ng
RT: 10.957 min Scan# 1507
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:284 Resp: 361542

Ion	Ratio	Lower	Upper
284	100		
142	33.2	26.3	39.5
249	31.5	24.9	37.3

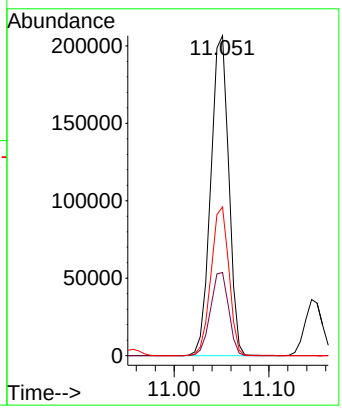




#69
Atrazine
Concen: 52.837 ng
RT: 11.051 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:200 Resp: 27223

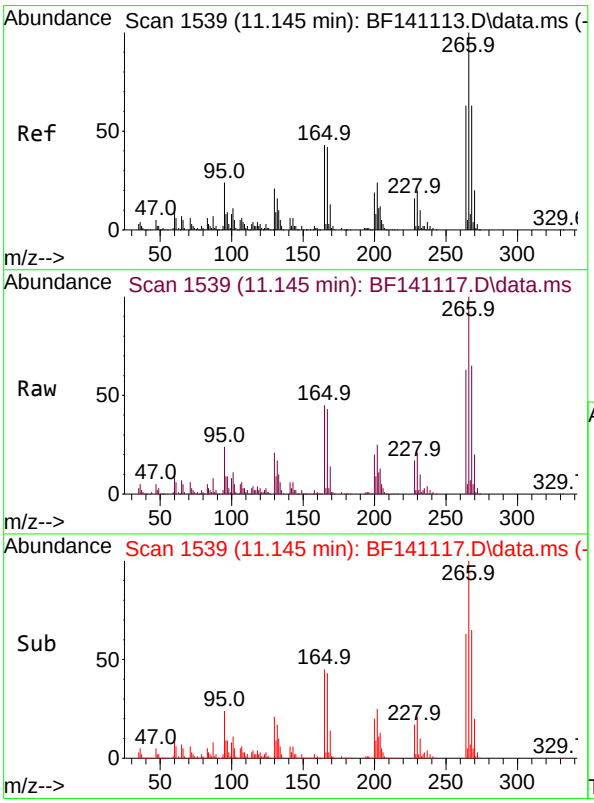
Ion	Ratio	Lower	Upper
200	100		
173	26.0	5.4	45.4
215	46.5	26.6	66.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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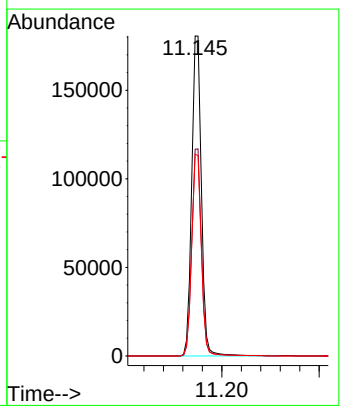
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

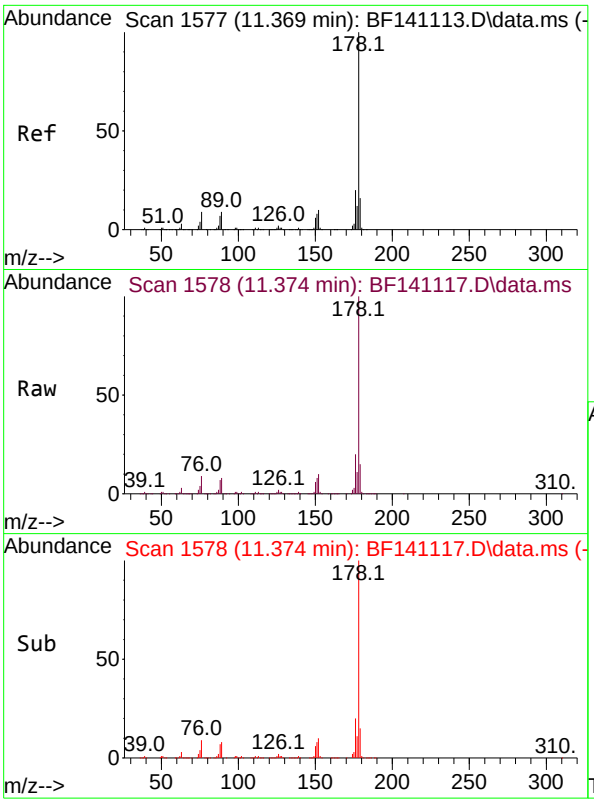


#70
Pentachlorophenol
Concen: 51.422 ng
RT: 11.145 min Scan# 1539
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:266 Resp: 250381

Ion	Ratio	Lower	Upper
266	100		
268	64.6	50.4	75.6
264	63.1	50.2	75.2





#71
Phenanthrene
Concen: 47.203 ng
RT: 11.374 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

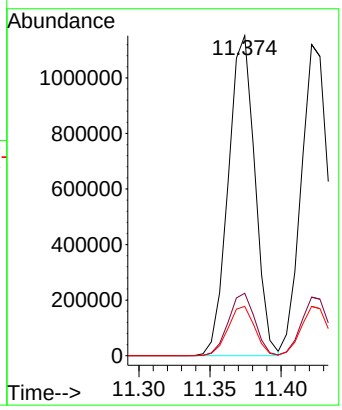
Tgt Ion:178 Resp: 150340

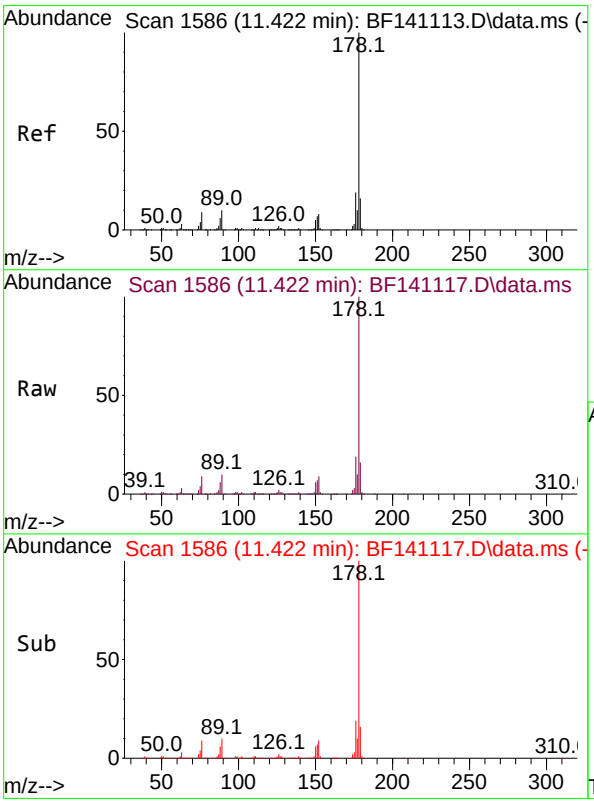
Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.7	23.5
179	15.4	12.6	19.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

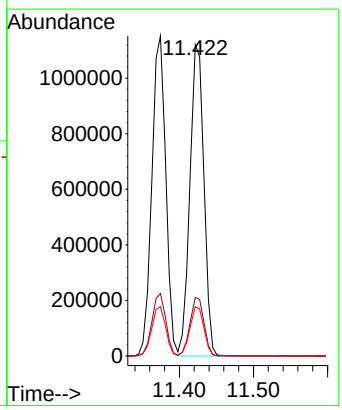


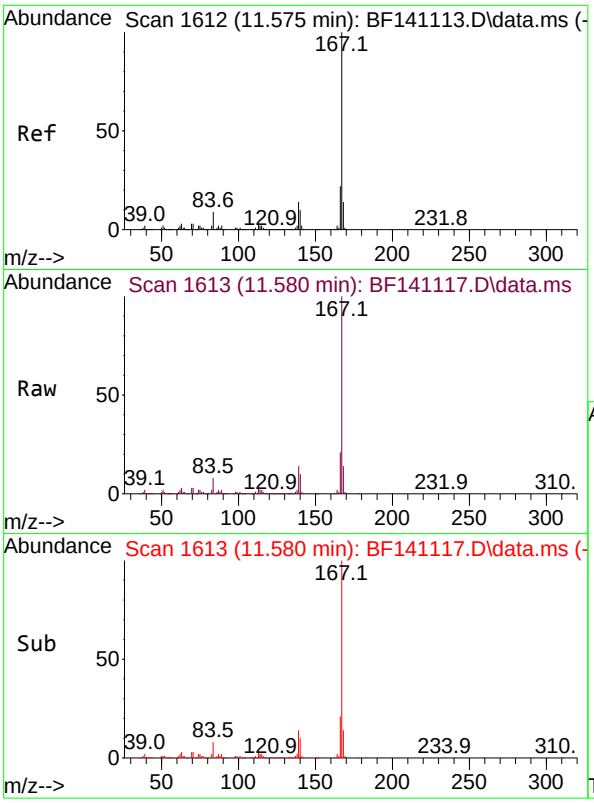


#72
Anthracene
Concen: 47.589 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:178 Resp: 1473797

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.9	22.3
179	15.9	12.6	19.0

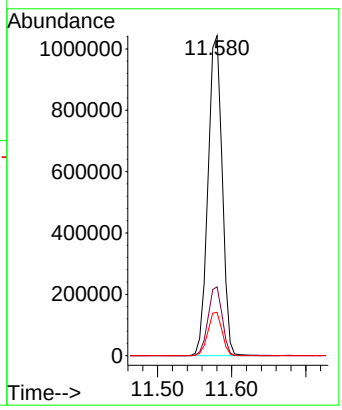




#73
Carbazole
Concen: 48.815 ng
RT: 11.580 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:167 Resp: 138620

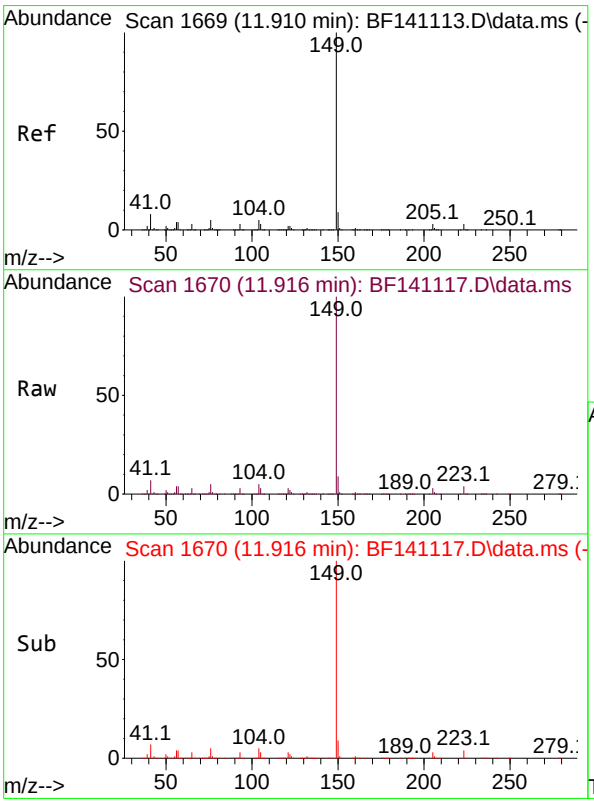
Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.4	26.2
139	13.6	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

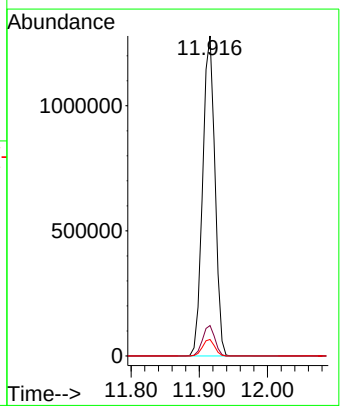
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

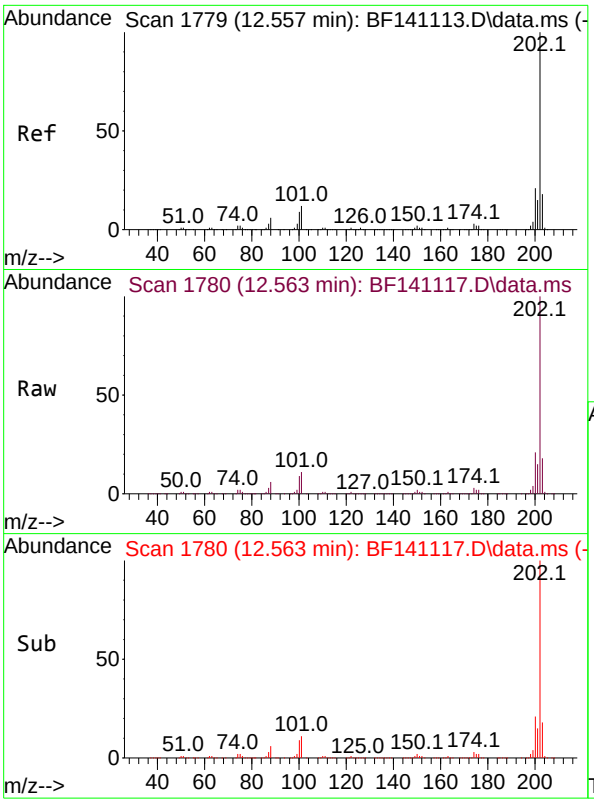


#74
Di-n-butylphthalate
Concen: 49.255 ng
RT: 11.916 min Scan# 1670
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:149 Resp: 1600680

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.4	11.2
104	5.2	4.2	6.2

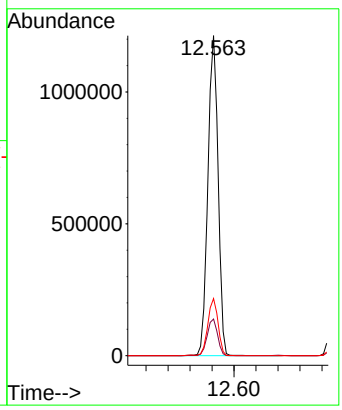




#75
Fluoranthene
Concen: 49.037 ng
RT: 12.563 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:202 Resp: 155855

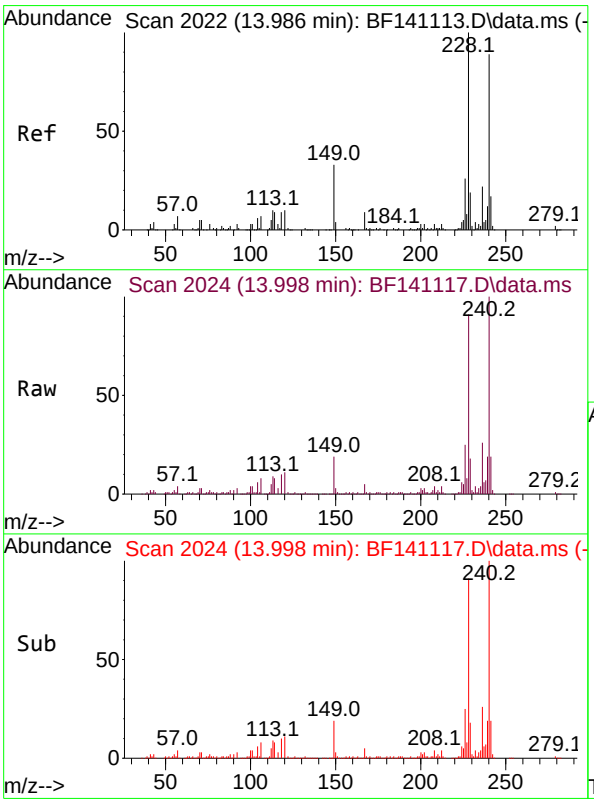
Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	32.3
203	17.9	0.0	37.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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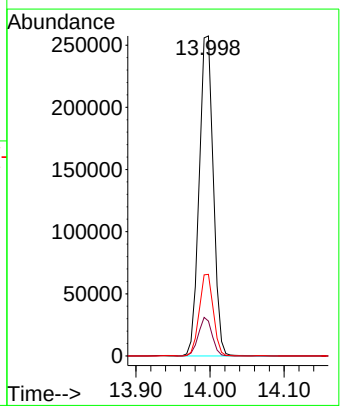
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

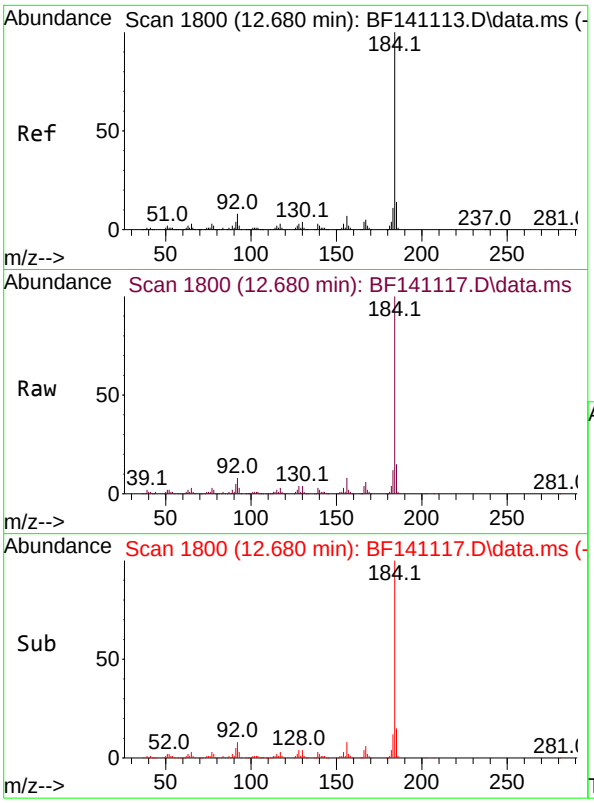


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2024
Delta R.T. 0.012 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:240 Resp: 341879

Ion	Ratio	Lower	Upper
240	100		
120	10.9	9.1	13.7
236	25.5	19.8	29.6

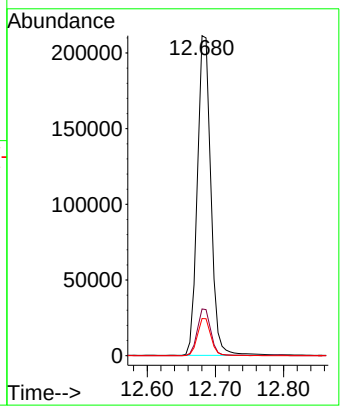




#77
Benzidine
Concen: 45.814 ng
RT: 12.680 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:184 Resp: 29045

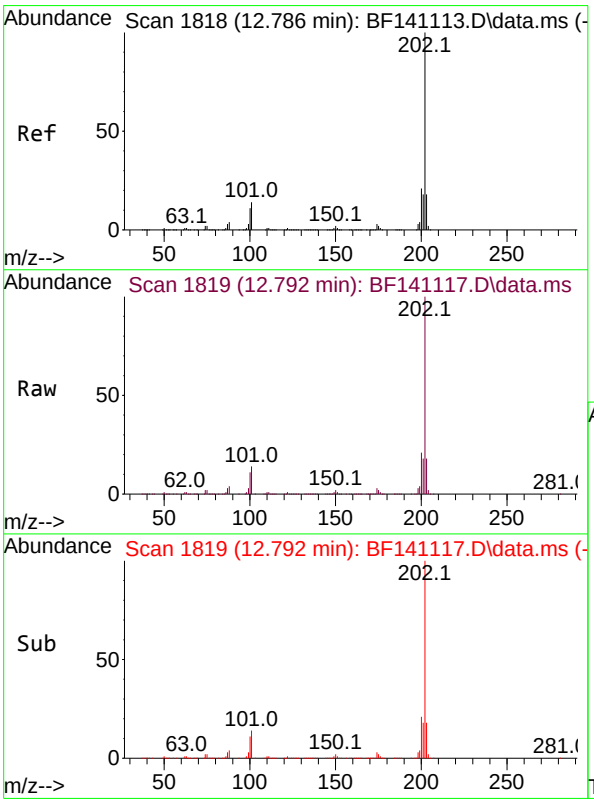
Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.4	17.0
183	11.6	9.2	13.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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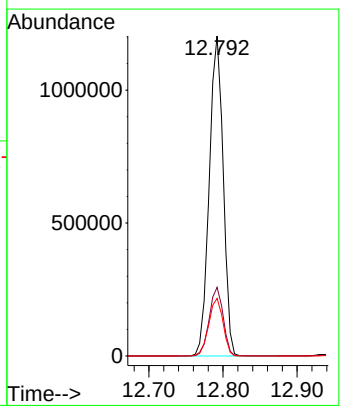
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

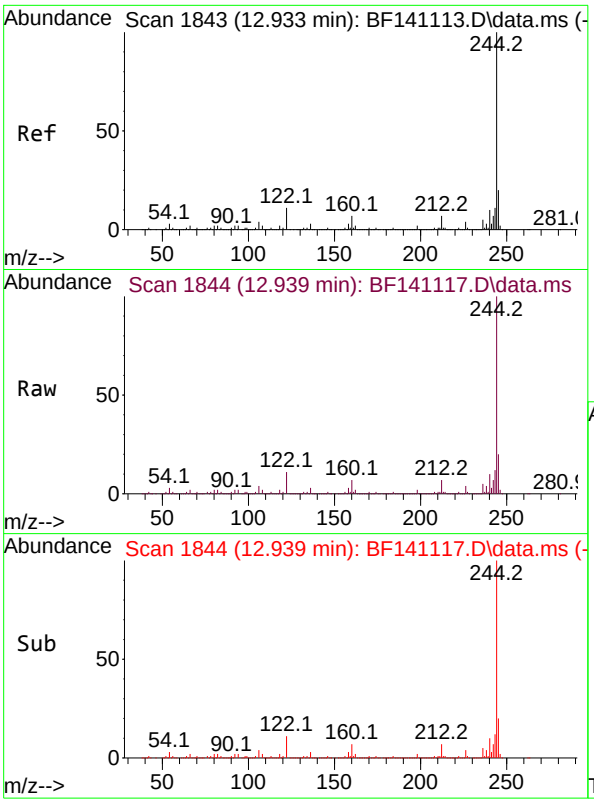


#78
Pyrene
Concen: 48.129 ng
RT: 12.792 min Scan# 1819
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:202 Resp: 1571607

Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.8	25.2
203	18.0	14.3	21.5

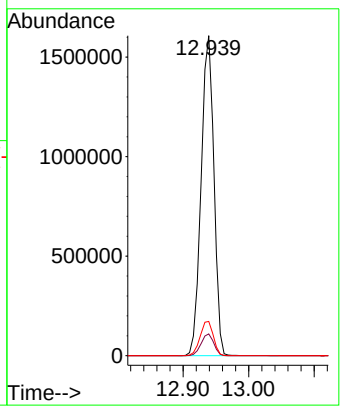




#79
Terphenyl-d14
Concen: 95.134 ng
RT: 12.939 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:244 Resp: 218827

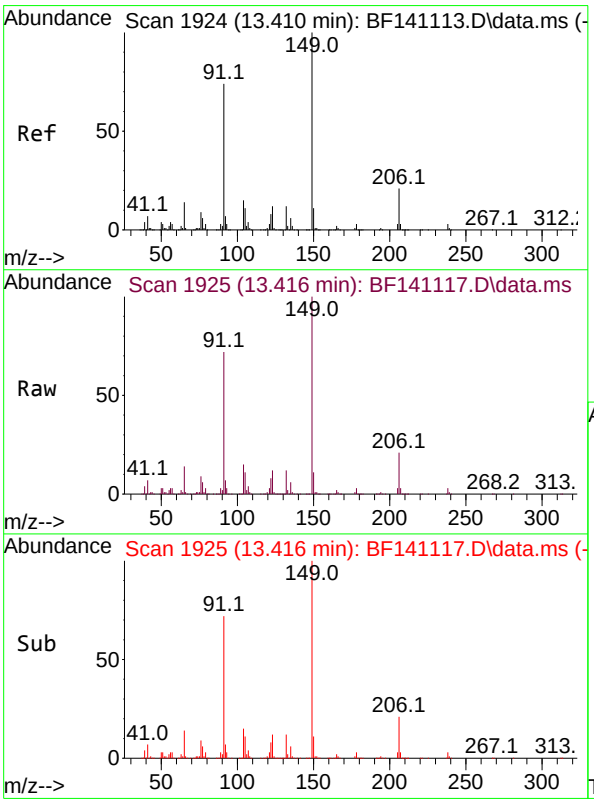
Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.2
122	10.7	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

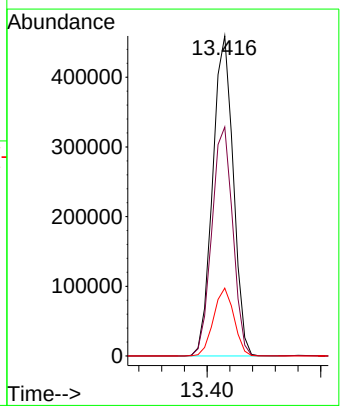
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

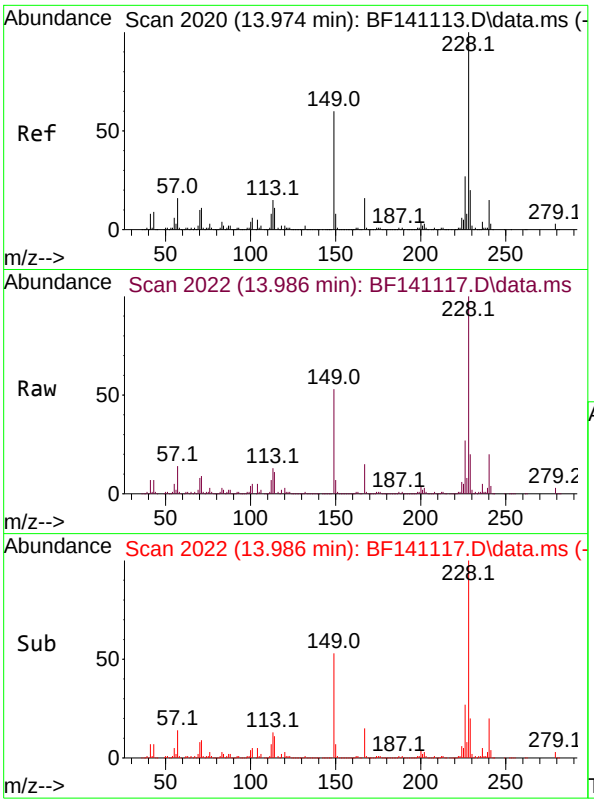


#80
Butylbenzylphthalate
Concen: 53.179 ng
RT: 13.416 min Scan# 1925
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:149 Resp: 578964

Ion	Ratio	Lower	Upper
149	100		
91	71.5	59.0	88.6
206	21.2	16.5	24.7

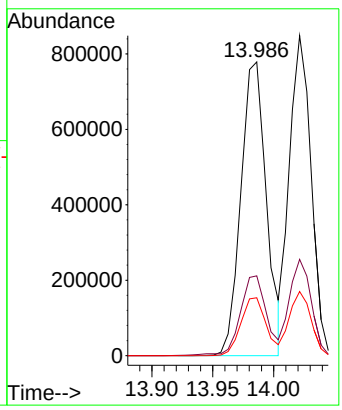




#81
Benzo(a)anthracene
Concen: 48.830 ng
RT: 13.986 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:228 Resp: 113611

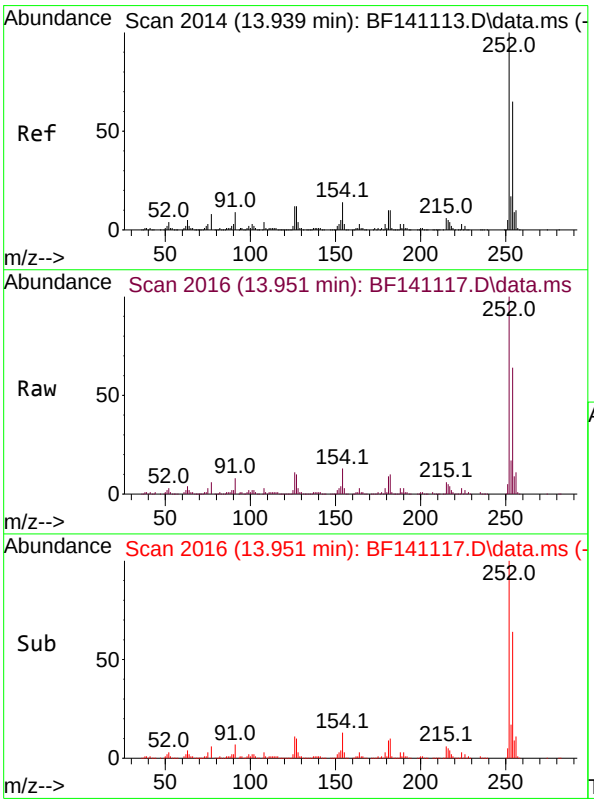
Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.7	32.5
229	19.7	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

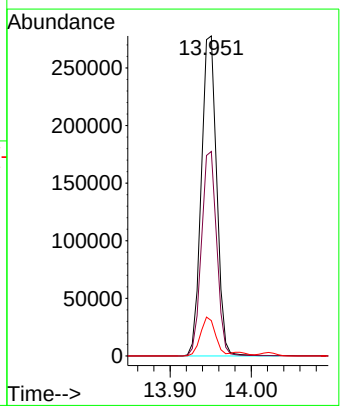
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

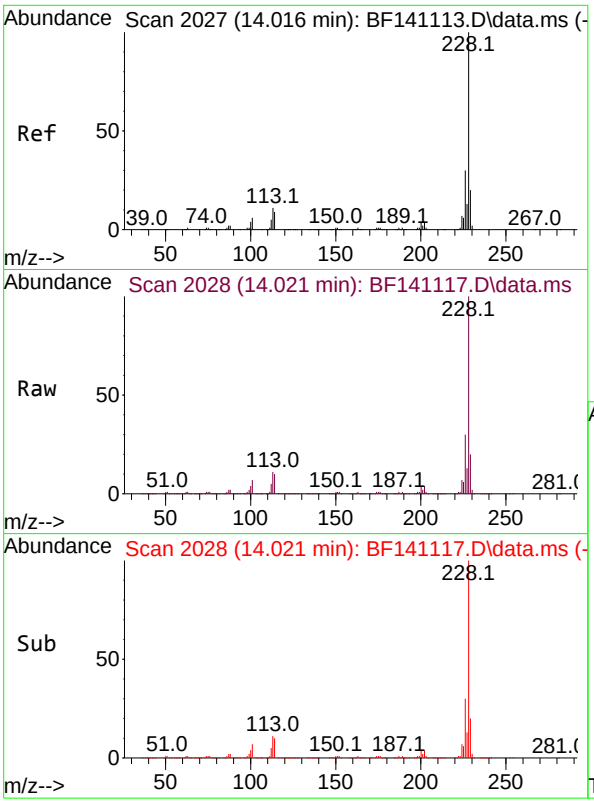


#82
3,3'-Dichlorobenzidine
Concen: 49.156 ng
RT: 13.951 min Scan# 2016
Delta R.T. 0.012 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:252 Resp: 364178

Ion	Ratio	Lower	Upper
252	100		
254	63.9	52.0	78.0
126	11.0	9.4	14.0





#83
Chrysene
Concen: 48.577 ng
RT: 14.021 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

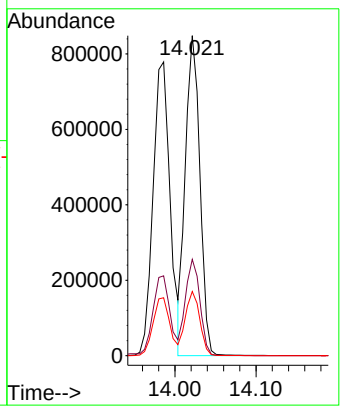
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

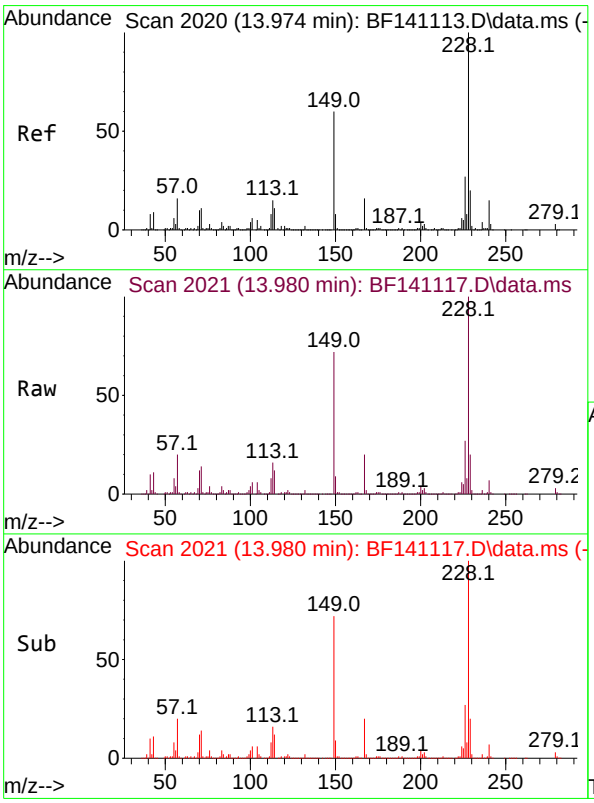
Tgt Ion:228 Resp: 105755

Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.8	35.8
229	20.1	15.8	23.8

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Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

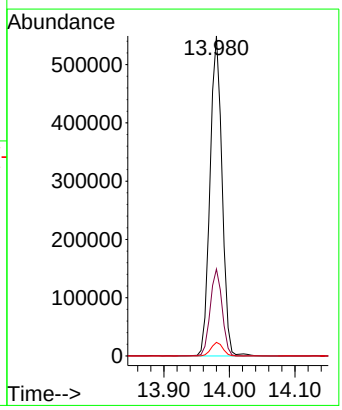


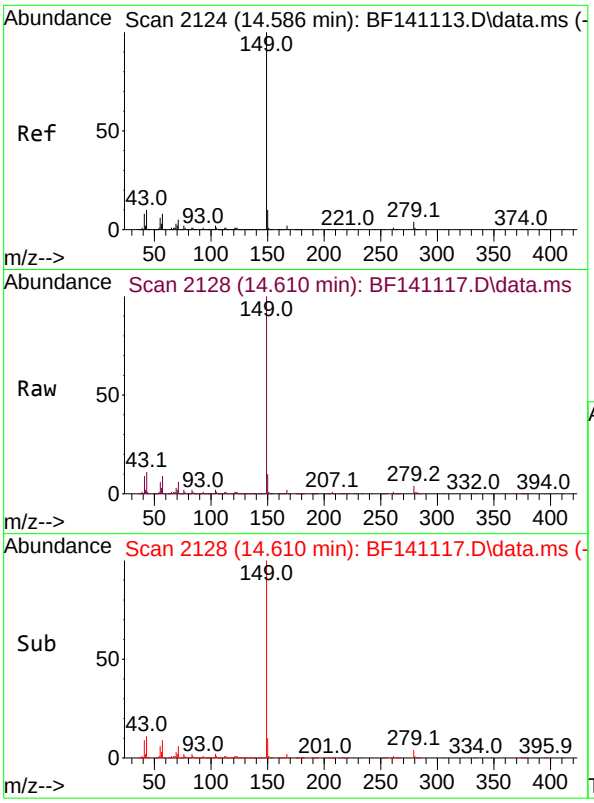


#84
Bis(2-ethylhexyl)phthalate
Concen: 53.591 ng
RT: 13.980 min Scan# 2021
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:149 Resp: 700052

Ion	Ratio	Lower	Upper
149	100		
167	27.2	21.4	32.2
279	4.2	3.4	5.2

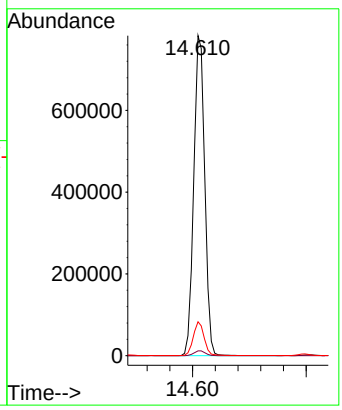




#85
Di-n-octyl phthalate
Concen: 53.503 ng
RT: 14.610 min Scan# 21
Delta R.T. 0.023 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:149 Resp: 105538

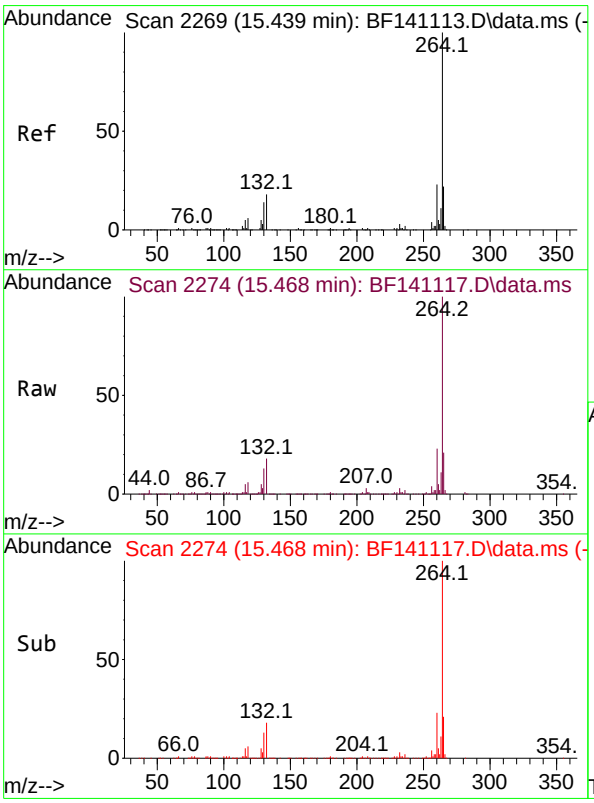
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	10.4	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

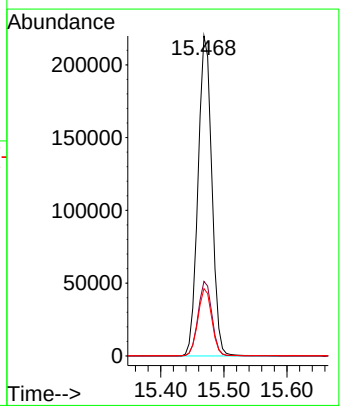
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

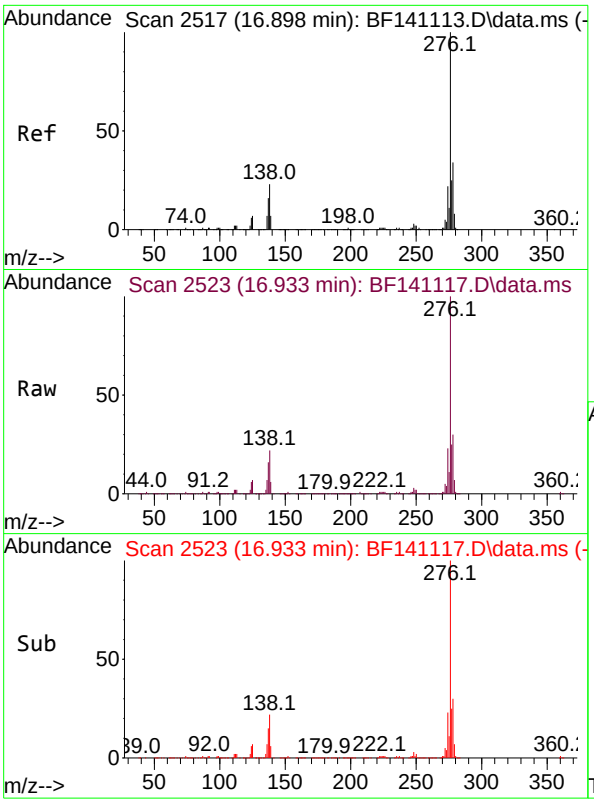


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2274
Delta R.T. 0.029 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:264 Resp: 333662

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	21.0	17.4	26.0

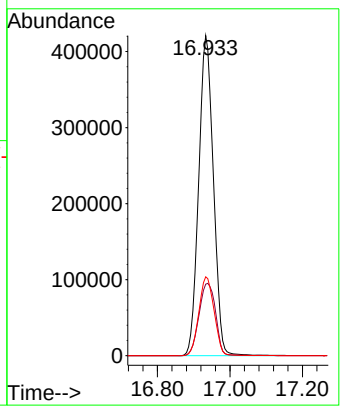




#87
Indeno(1,2,3-cd)pyrene
Concen: 48.477 ng
RT: 16.933 min Scan# 2
Delta R.T. 0.035 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:276 Resp: 118503

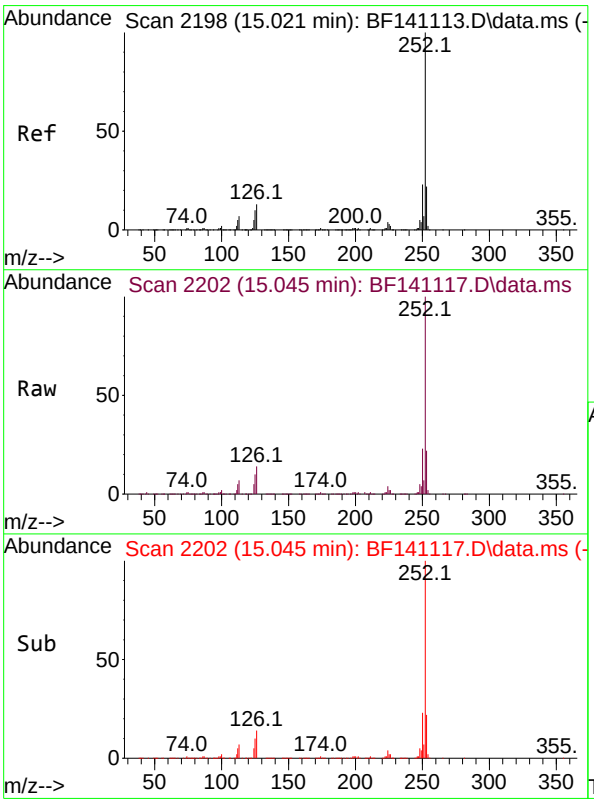
Ion	Ratio	Lower	Upper
276	100		
138	25.5	20.7	31.1
277	25.6	20.6	30.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

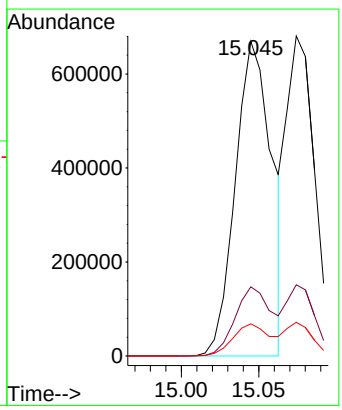
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

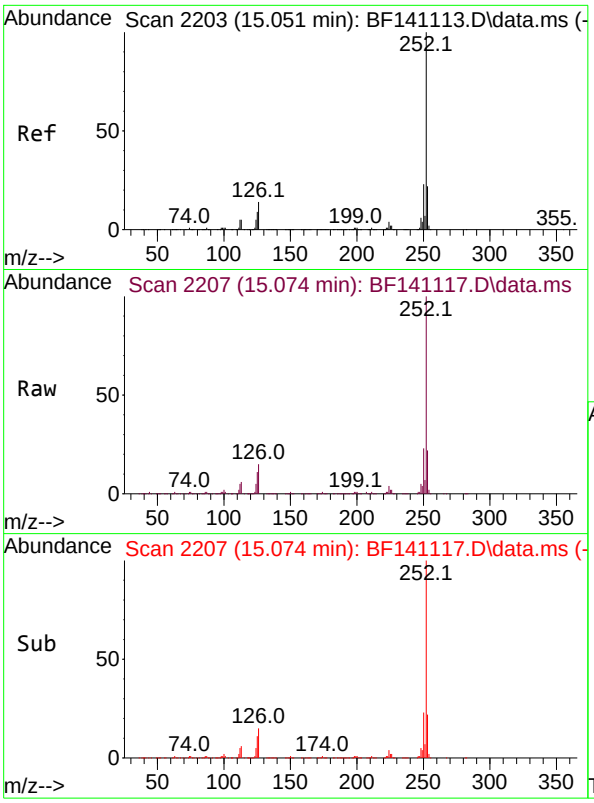


#88
Benzo(b)fluoranthene
Concen: 50.984 ng
RT: 15.045 min Scan# 2202
Delta R.T. 0.023 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:252 Resp: 1096957

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.6
125	10.2	8.1	12.1

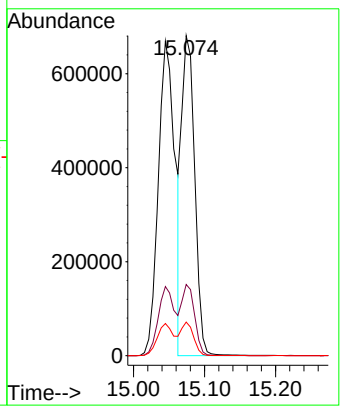




#89
Benzo(k)fluoranthene
Concen: 47.598 ng
RT: 15.074 min Scan# 2
Delta R.T. 0.023 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:252 Resp: 86545

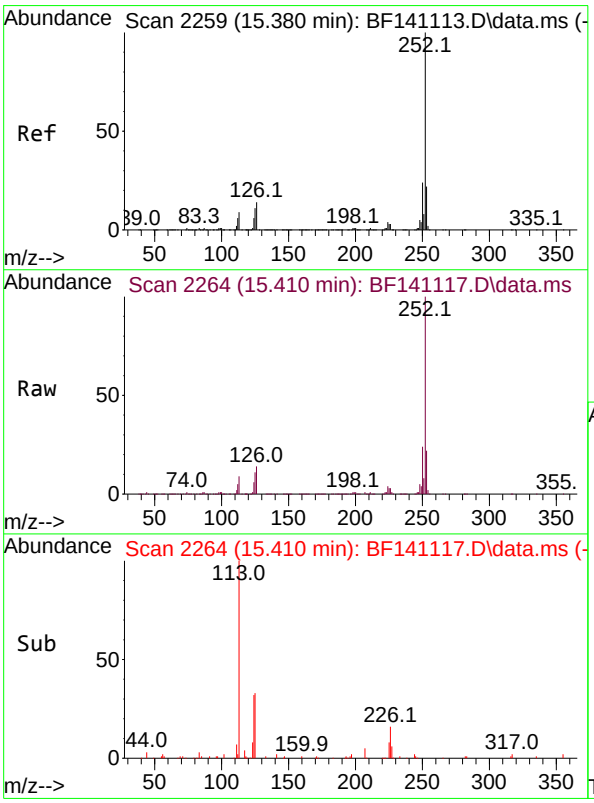
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	10.5	7.9	11.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

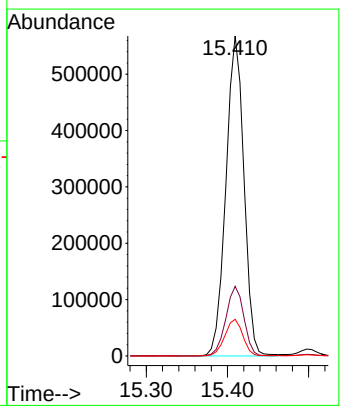
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

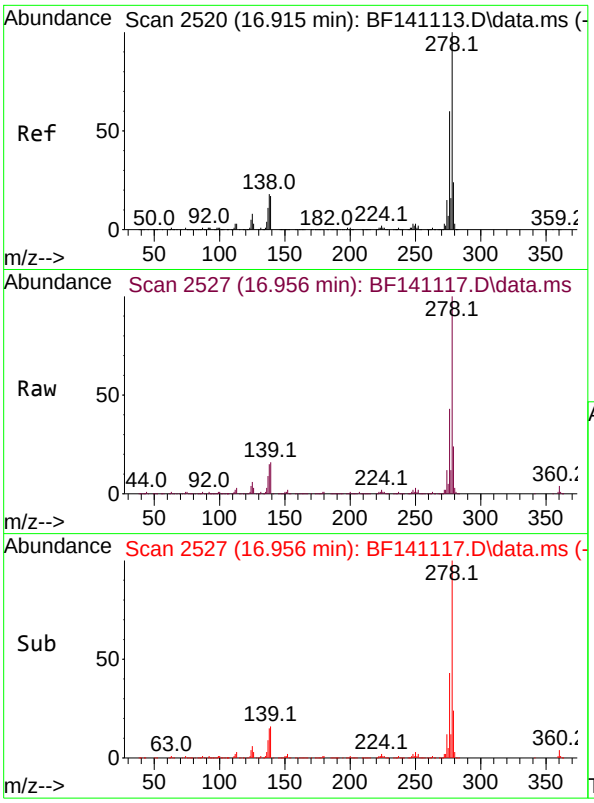


#90
Benzo(a)pyrene
Concen: 49.243 ng
RT: 15.410 min Scan# 2264
Delta R.T. 0.029 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:252 Resp: 874134

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	11.4	9.1	13.7

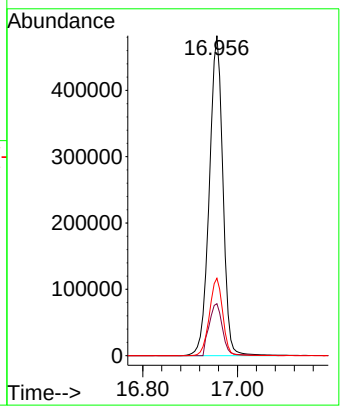




#91
Dibenzo(a,h)anthracene
Concen: 48.535 ng
RT: 16.956 min Scan# 2
Delta R.T. 0.041 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:278 Resp: 95959

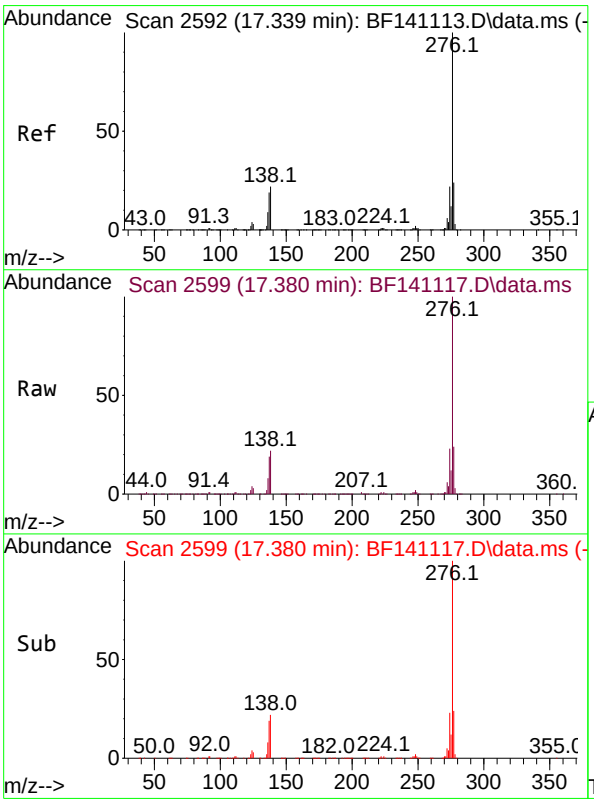
Ion	Ratio	Lower	Upper
278	100		
139	16.2	13.8	20.6
279	24.2	19.1	28.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

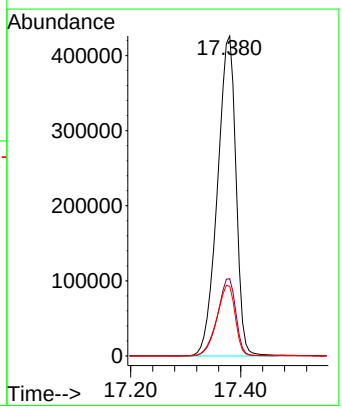
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025



#92
Benzo(g,h,i)perylene
Concen: 48.464 ng
RT: 17.380 min Scan# 2599
Delta R.T. 0.041 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:276 Resp: 996659

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.0	28.4
138	21.7	17.4	26.2



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141118.D
Acq On : 10 Jan 2025 17:19
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Jan 10 22:23:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:16:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.822	152	157706	20.000	ng		0.00
21) Naphthalene-d8	8.104	136	600362	20.000	ng		0.00
39) Acenaphthene-d10	9.863	164	321522	20.000	ng		0.00
64) Phenanthrene-d10	11.345	188	544574	20.000	ng		0.00
76) Chrysene-d12	13.986	240	270448	20.000	ng		0.00
86) Perylene-d12	15.457	264	319464	20.000	ng		0.02
System Monitoring Compounds							
5) 2-Fluorophenol	5.428	112	1161166	113.741	ng		0.00
7) Phenol-d6	6.451	99	1464294	113.234	ng		0.00
23) Nitrobenzene-d5	7.387	82	1340654	118.372	ng		0.00
42) 2,4,6-Tribromophenol	10.651	330	435599	118.901	ng		0.00
45) 2-Fluorobiphenyl	9.181	172	2268382	107.735	ng		0.00
79) Terphenyl-d14	12.933	244	2193567	120.552	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.534	88	266794	58.686	ng		100
3) Pyridine	3.275	79	636756	57.117	ng		97
4) n-Nitrosodimethylamine	3.234	42	325634	59.738	ng		99
6) Aniline	6.487	93	643255	56.026	ng		99
8) 2-Chlorophenol	6.604	128	624776	57.043	ng		99
9) Benzaldehyde	6.369	77	364797	50.499	ng		99
10) Phenol	6.463	94	788986	56.996	ng		97
11) bis(2-Chloroethyl)ether	6.563	93	598240	57.990	ng		98
12) 1,3-Dichlorobenzene	6.763	146	693741	56.791	ng		99
13) 1,4-Dichlorobenzene	6.840	146	700356	56.894	ng		99
14) 1,2-Dichlorobenzene	6.993	146	644752	56.150	ng		99
15) Benzyl Alcohol	6.963	79	541420	57.975	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.098	45	818728	56.872	ng		99
17) 2-Methylphenol	7.069	107	509763	57.648	ng		99
18) Hexachloroethane	7.334	117	260241	58.460	ng		99
19) n-Nitroso-di-n-propyla...	7.240	70	426961	56.050	ng		99
20) 3+4-Methylphenols	7.228	107	624218	55.954	ng	#	87
22) Acetophenone	7.234	105	809173	56.696	ng	#	97
24) Nitrobenzene	7.404	77	699248	59.239	ng		99
25) Isophorone	7.645	82	1131315	58.450	ng		99
26) 2-Nitrophenol	7.722	139	336551	62.679	ng		99
27) 2,4-Dimethylphenol	7.751	122	429261	59.269	ng		98
28) bis(2-Chloroethoxy)met...	7.857	93	708043	58.290	ng		99
29) 2,4-Dichlorophenol	7.957	162	510890	59.394	ng		100
30) 1,2,4-Trichlorobenzene	8.045	180	568765	57.848	ng		100
31) Naphthalene	8.128	128	1795916	56.724	ng		100
32) Benzoic acid	7.875	122	465348	66.980	ng		97
33) 4-Chloroaniline	8.175	127	639712	58.424	ng		100
34) Hexachlorobutadiene	8.245	225	344699	58.183	ng		100
35) Caprolactam	8.551	113	168796	59.824	ng		96
36) 4-Chloro-3-methylphenol	8.651	107	552248	58.704	ng		99
37) 2-Methylnaphthalene	8.816	142	1147172	56.860	ng		100
38) 1-Methylnaphthalene	8.916	142	1129604	56.812	ng		99
40) 1,2,4,5-Tetrachloroben...	8.981	216	534399	57.909	ng		100
41) Hexachlorocyclopentadiene	8.969	237	184204	61.011	ng		100
43) 2,4,6-Trichlorophenol	9.092	196	364034	58.489	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141118.D
Acq On : 10 Jan 2025 17:19
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Jan 10 22:23:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:16:11 2025
Response via : Initial Calibration

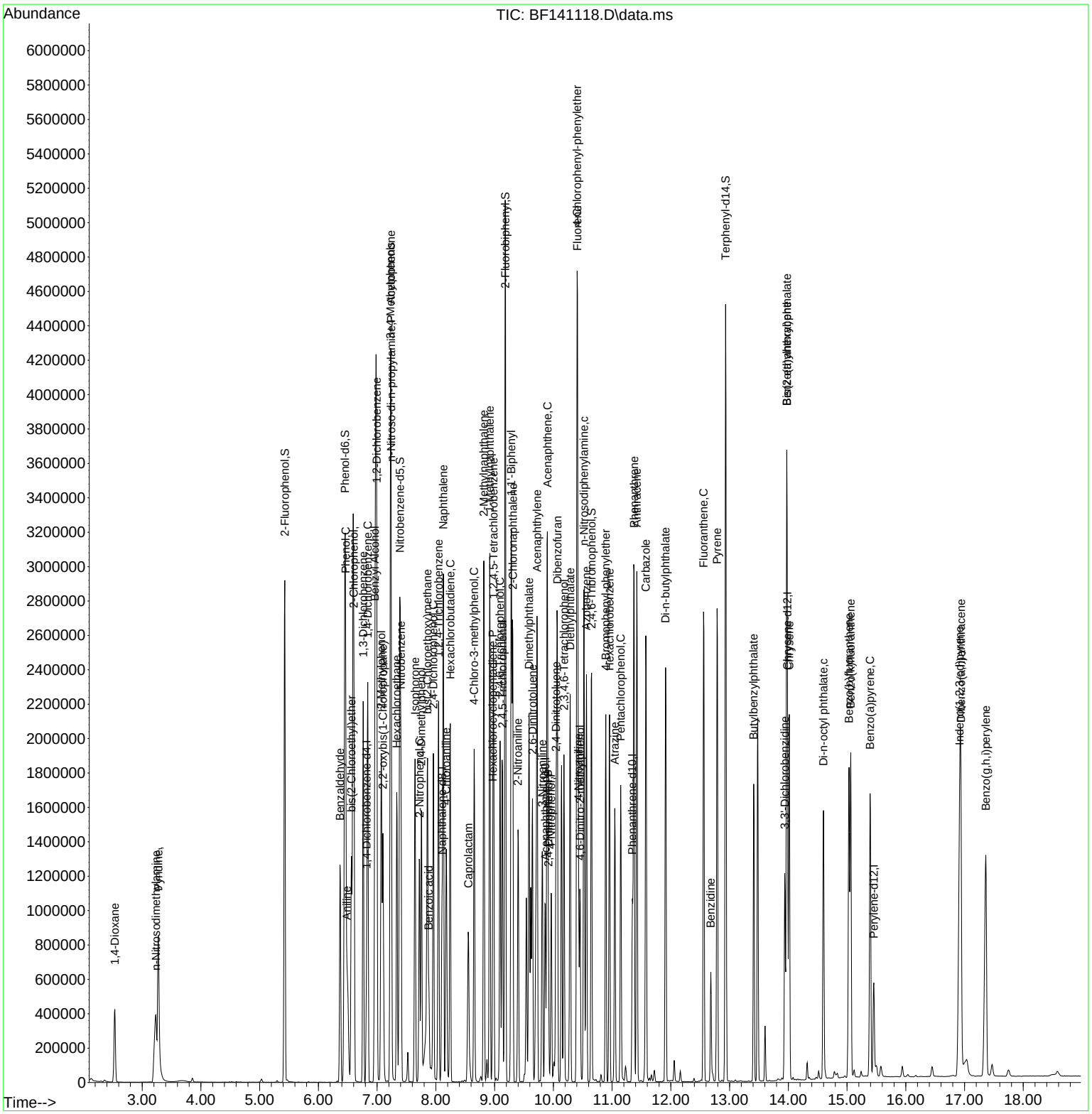
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.134	196	392463	59.706	ng	98
46) 1,1'-Biphenyl	9.281	154	1400460	56.087	ng	99
47) 2-Chloronaphthalene	9.310	162	1104069	56.770	ng	99
48) 2-Nitroaniline	9.398	65	351824	61.027	ng	96
49) Acenaphthylene	9.722	152	1595599	57.426	ng	100
50) Dimethylphthalate	9.587	163	1246443	57.746	ng	100
51) 2,6-Dinitrotoluene	9.645	165	300526	59.872	ng	98
52) Acenaphthene	9.898	154	1118880	57.638	ng	99
53) 3-Nitroaniline	9.810	138	301277	59.064	ng	99
54) 2,4-Dinitrophenol	9.916	184	160627	67.324	ng	90
55) Dibenzofuran	10.069	168	1491333	56.480	ng	100
56) 4-Nitrophenol	9.963	139	248603	62.231	ng	99
57) 2,4-Dinitrotoluene	10.045	165	396697	61.325	ng	98
58) Fluorene	10.410	166	1140533	55.599	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.181	232	324822	59.450	ng	99
60) Diethylphthalate	10.286	149	1212103	57.521	ng	99
61) 4-Chlorophenyl-phenyle...	10.404	204	563117	56.322	ng	99
62) 4-Nitroaniline	10.428	138	303457	60.783	ng	99
63) Azobenzene	10.563	77	1189100	57.188	ng	100
65) 4,6-Dinitro-2-methylph...	10.457	198	216263	68.532	ng	97
66) n-Nitrosodiphenylamine	10.522	169	1016238	57.856	ng	99
67) 4-Bromophenyl-phenylether	10.892	248	373557	59.581	ng	100
68) Hexachlorobenzene	10.957	284	412239	59.066	ng	99
69) Atrazine	11.045	200	275405	58.231	ng	99
70) Pentachlorophenol	11.145	266	280071	62.662	ng	100
71) Phenanthrene	11.375	178	1652586	56.525	ng	100
72) Anthracene	11.422	178	1628828	57.297	ng	100
73) Carbazole	11.575	167	1471188	56.440	ng	100
74) Di-n-butylphthalate	11.910	149	1703503	57.105	ng	100
75) Fluoranthene	12.557	202	1612262	55.261	ng	100
77) Benzidine	12.680	184	339258	67.645	ng	100
78) Pyrene	12.786	202	1586225	61.407	ng	99
80) Butylbenzylphthalate	13.410	149	542533	62.995	ng	100
81) Benzo(a)anthracene	13.974	228	1109142	60.261	ng	99
82) 3,3'-Dichlorobenzidine	13.939	252	357792	61.050	ng	99
83) Chrysene	14.016	228	1004586	58.332	ng	100
84) Bis(2-ethylhexyl)phtha...	13.974	149	635471	61.496	ng	100
85) Di-n-octyl phthalate	14.598	149	1008931	64.657	ng	100
87) Indeno(1,2,3-cd)pyrene	16.915	276	1475298	63.034	ng	99
88) Benzo(b)fluoranthene	15.033	252	1141152	55.395	ng	100
89) Benzo(k)fluoranthene	15.063	252	1057429	60.741	ng	99
90) Benzo(a)pyrene	15.392	252	1022132	60.139	ng	100
91) Dibenzo(a,h)anthracene	16.939	278	1195359	63.146	ng	99
92) Benzo(g,h,i)perylene	17.363	276	1241806	63.068	ng	100

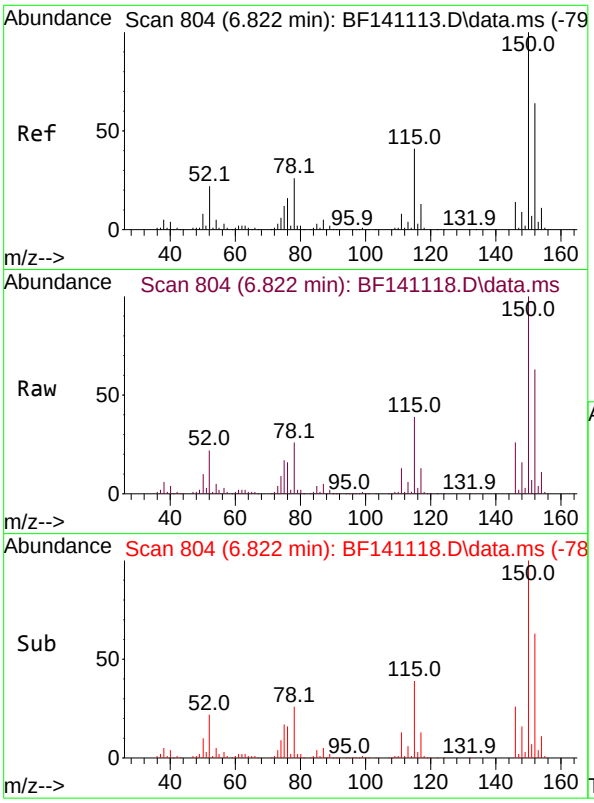
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141118.D
Acq On : 10 Jan 2025 17:19
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: Jan 10 22:23:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:16:11 2025
Response via : Initial Calibration



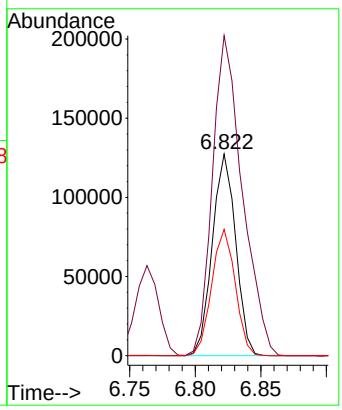


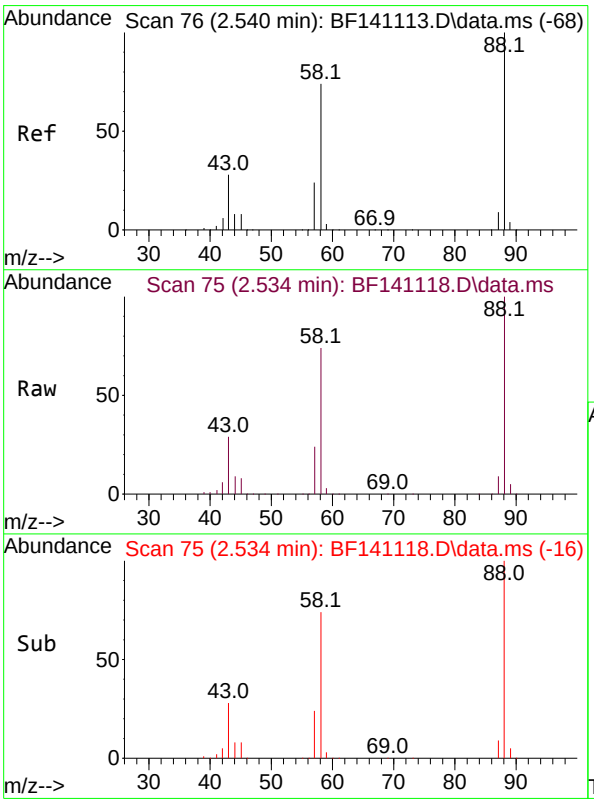
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 157706

Ion	Ratio	Lower	Upper
152	100		
150	158.8	125.8	188.8
115	62.7	51.4	77.2

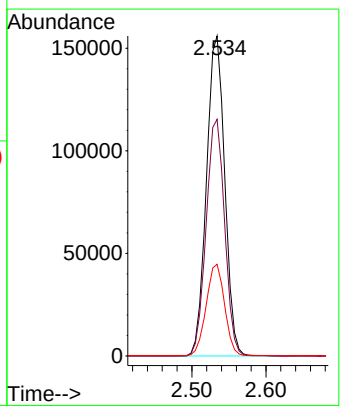


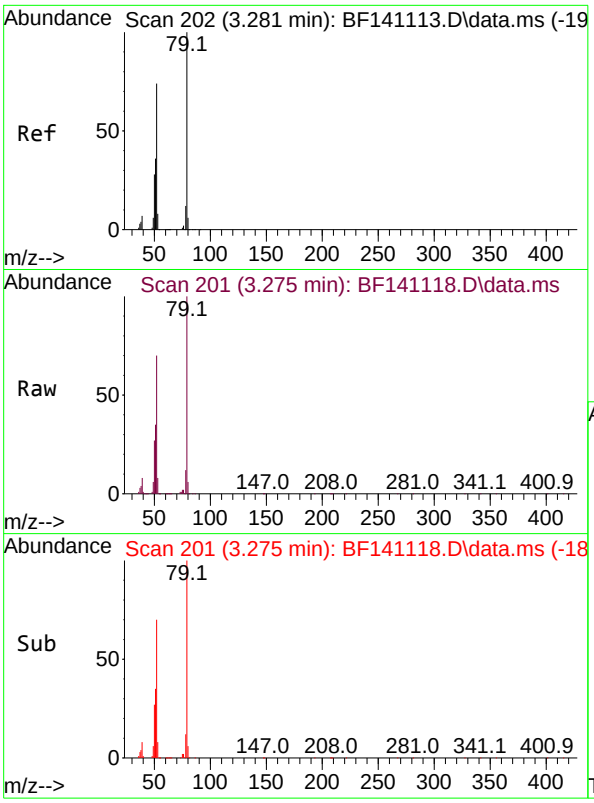


#2
1,4-Dioxane
Concen: 58.686 ng
RT: 2.534 min Scan# 75
Delta R.T. -0.006 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion: 88 Resp: 266794

Ion	Ratio	Lower	Upper
88	100		
58	75.0	60.1	90.1
43	28.7	23.1	34.7



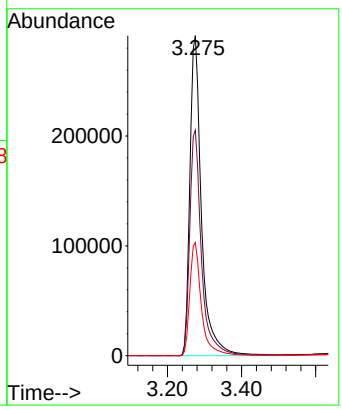


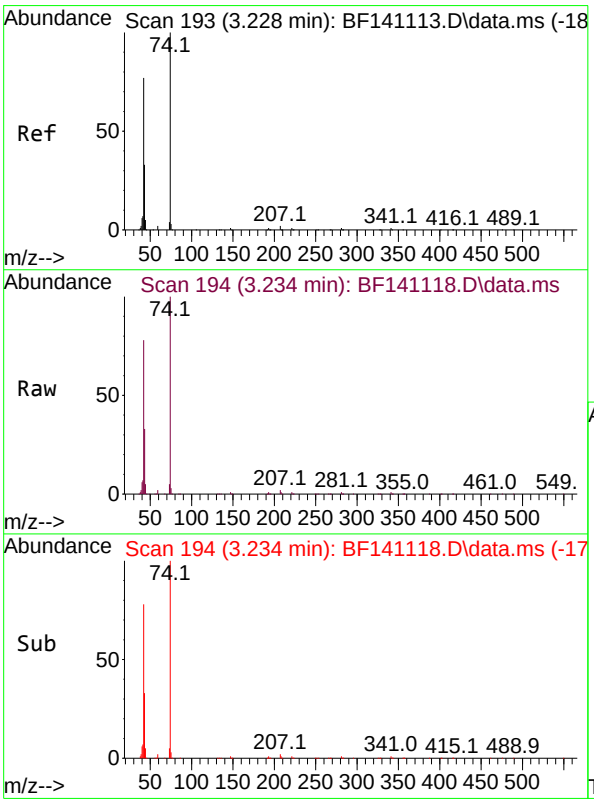
#3
Pyridine
Concen: 57.117 ng
RT: 3.275 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 636756

Ion	Ratio	Lower	Upper
79	100		
52	70.5	58.9	88.3
51	35.4	29.1	43.7

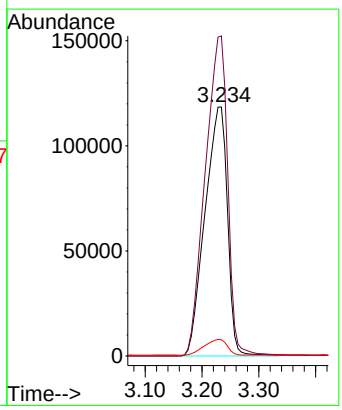


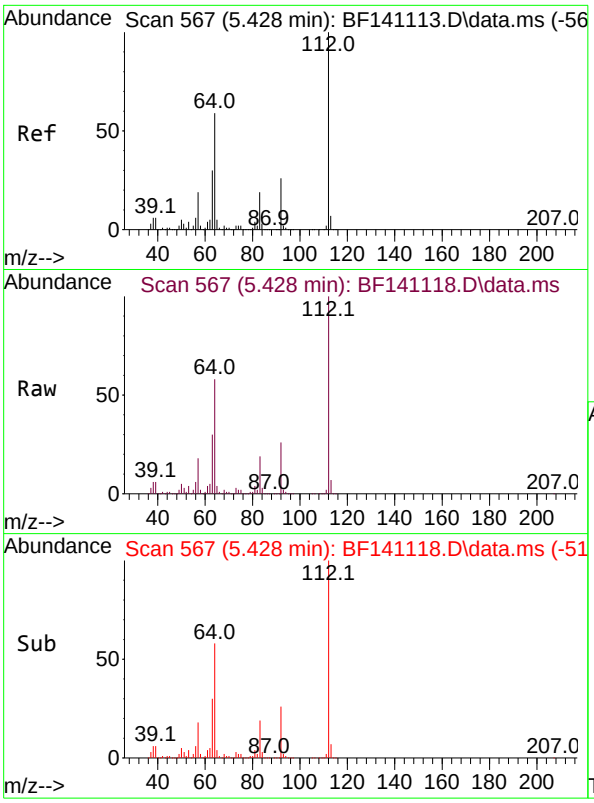


#4
n-Nitrosodimethylamine
Concen: 59.738 ng
RT: 3.234 min Scan# 194
Delta R.T. 0.006 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion: 42 Resp: 325634

Ion	Ratio	Lower	Upper
42	100		
74	128.5	103.8	155.6
44	6.5	5.3	7.9



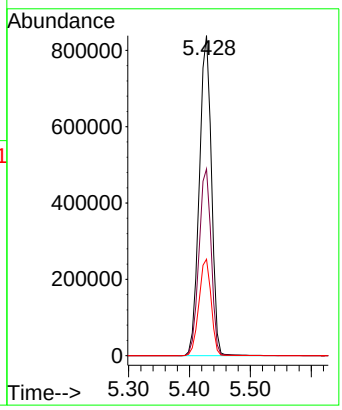


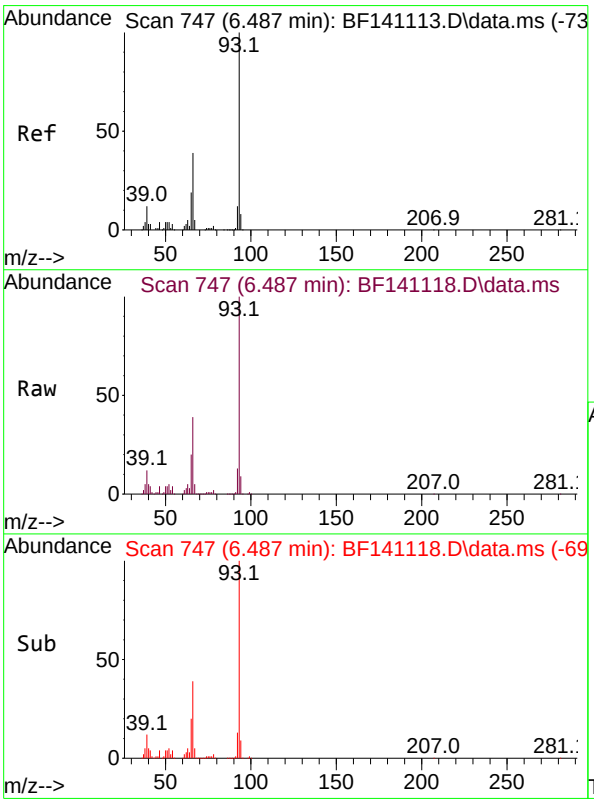
#5
2-Fluorophenol
Concen: 113.741 ng
RT: 5.428 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:112 Resp: 1161166

Ion	Ratio	Lower	Upper
112	100		
64	58.3	47.3	70.9
63	30.2	24.2	36.2

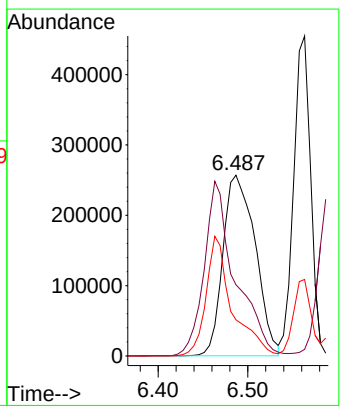


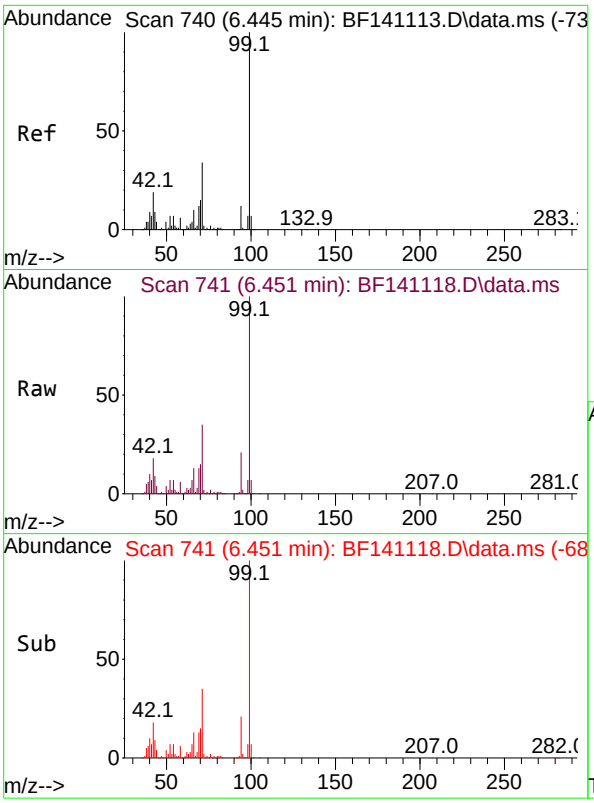


#6
Aniline
Concen: 56.026 ng
RT: 6.487 min Scan# 747
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion: 93 Resp: 643255

Ion	Ratio	Lower	Upper
93	100		
66	39.4	31.5	47.3
65	20.0	15.3	22.9



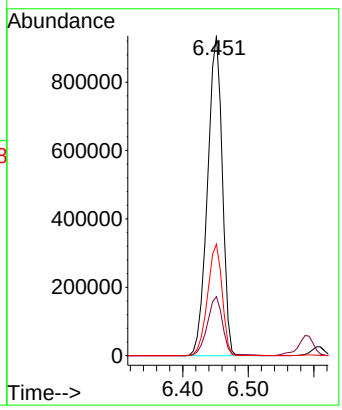


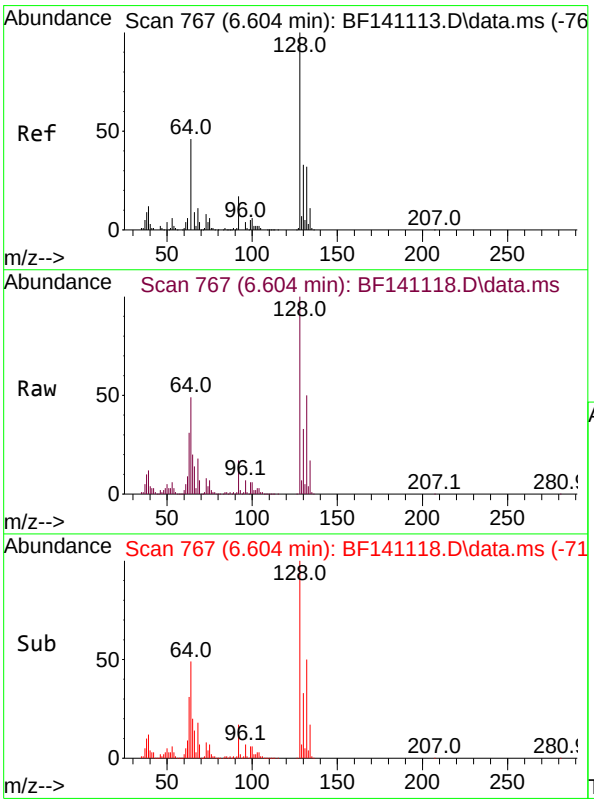
#7
Phenol-d6
Concen: 113.234 ng
RT: 6.451 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 99 Resp: 1464294

Ion	Ratio	Lower	Upper
99	100		
42	18.5	15.0	22.4
71	34.8	27.6	41.4

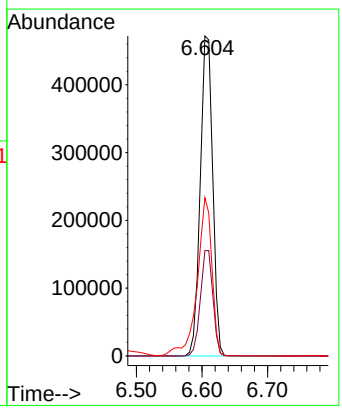


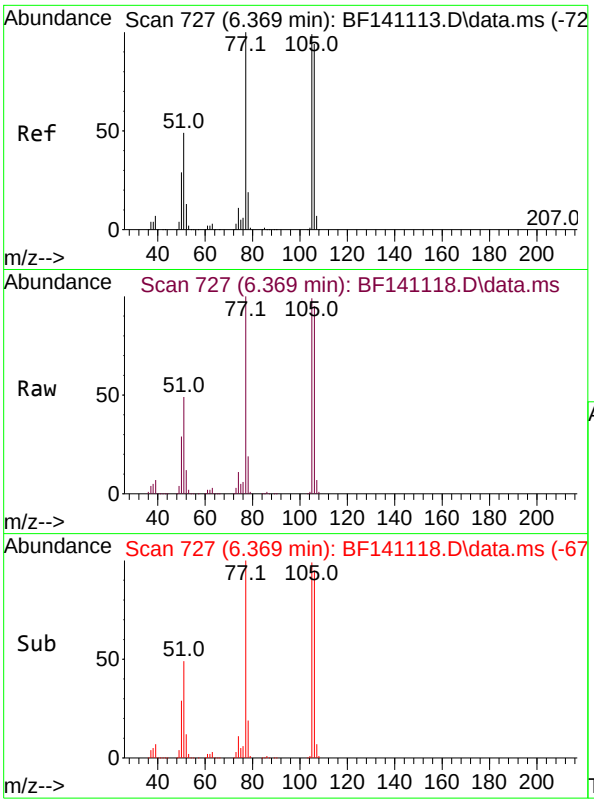


#8
2-Chlorophenol
Concen: 57.043 ng
RT: 6.604 min Scan# 767
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:128 Resp: 624776

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.5	52.5
64	49.5	28.3	68.3



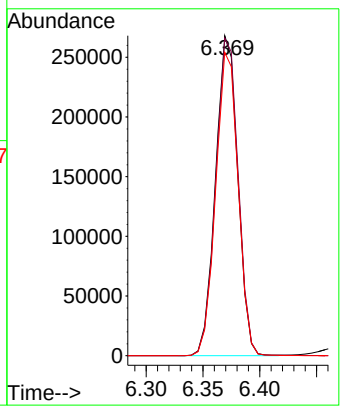


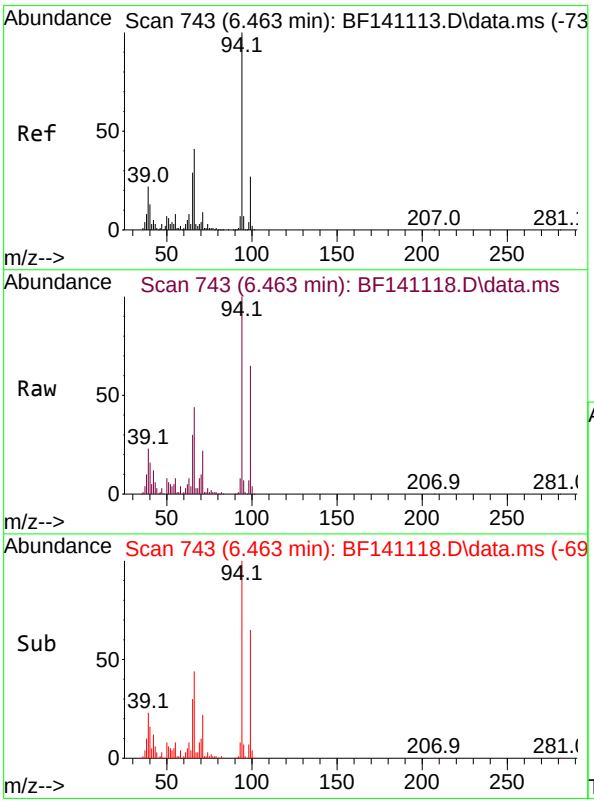
#9
Benzaldehyde
Concen: 50.499 ng
RT: 6.369 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 364797

Ion	Ratio	Lower	Upper
77	100		
105	99.2	78.9	118.9
106	94.8	73.6	113.6

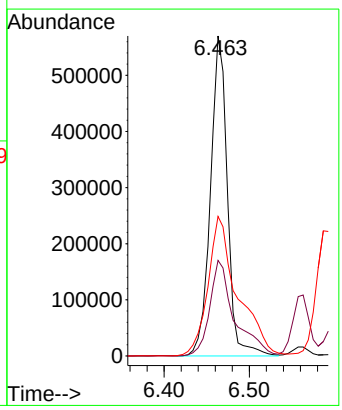


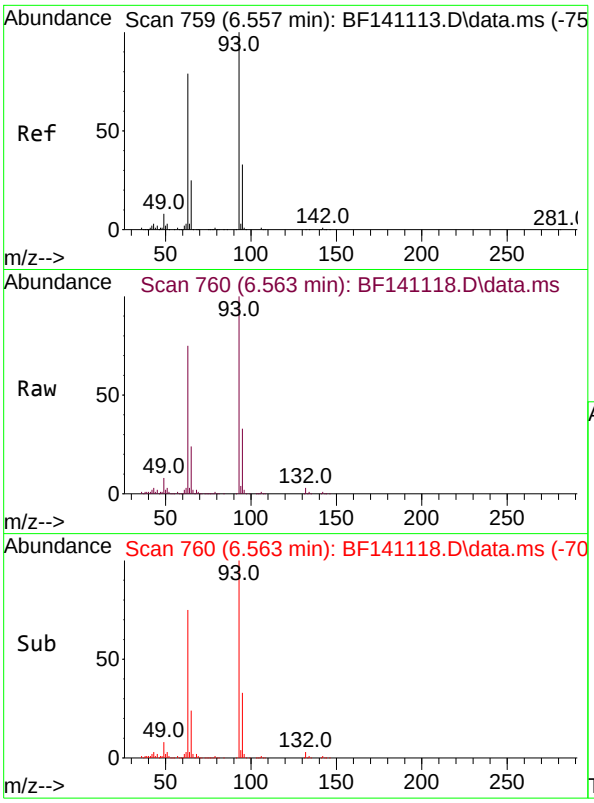


#10
Phenol
Concen: 56.996 ng
RT: 6.463 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion: 94 Resp: 788986

Ion	Ratio	Lower	Upper
94	100		
65	29.9	8.9	48.9
66	43.6	21.2	61.2



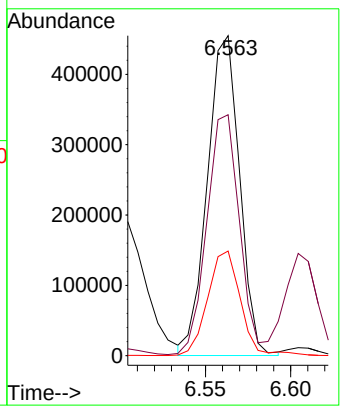


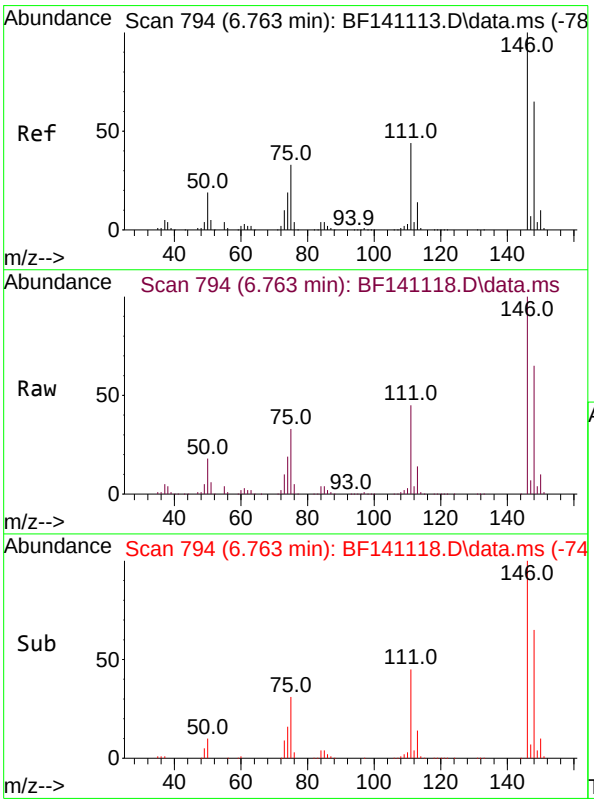
#11
bis(2-Chloroethyl)ether
Concen: 57.990 ng
RT: 6.563 min Scan# 7(
Delta R.T. 0.006 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 598240

Ion	Ratio	Lower	Upper
93	100		
63	75.3	58.0	98.0
95	32.7	12.5	52.5

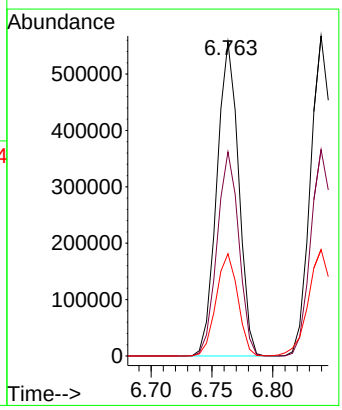


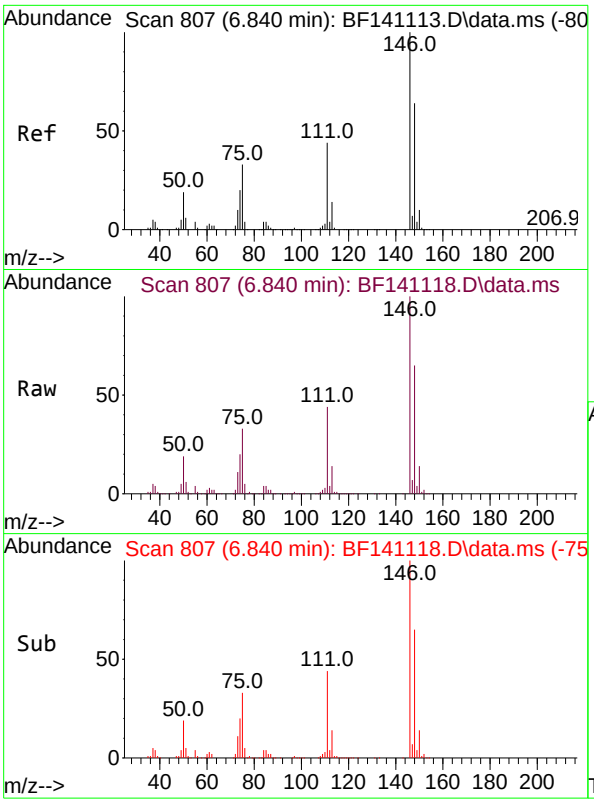


#12
1,3-Dichlorobenzene
Concen: 56.791 ng
RT: 6.763 min Scan# 794
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:146 Resp: 693741

Ion	Ratio	Lower	Upper
146	100		
148	65.0	51.6	77.4
75	32.6	26.2	39.2



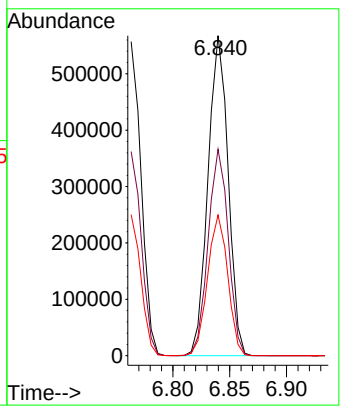


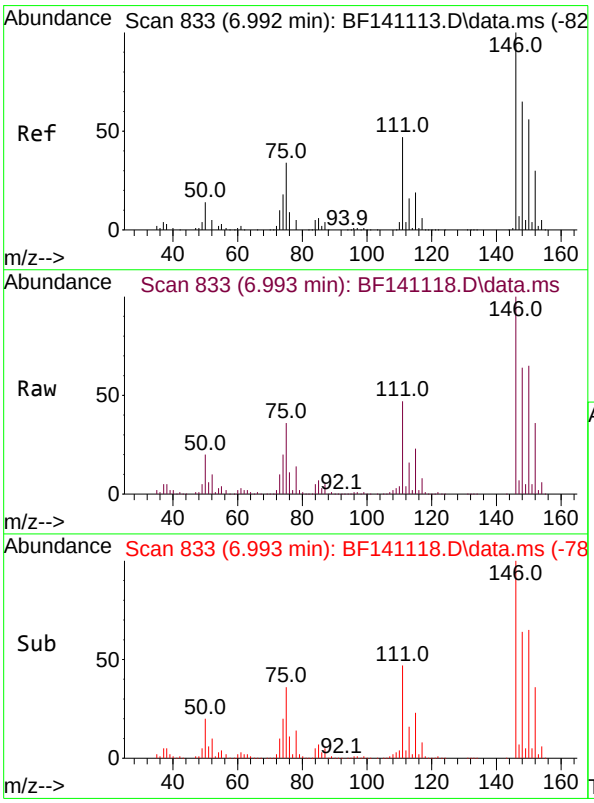
#13
1,4-Dichlorobenzene
Concen: 56.894 ng
RT: 6.840 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:146 Resp: 700356

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.0	76.6
111	43.9	34.9	52.3

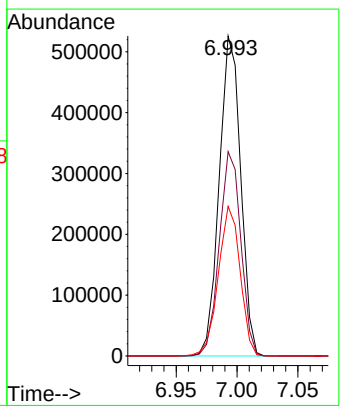


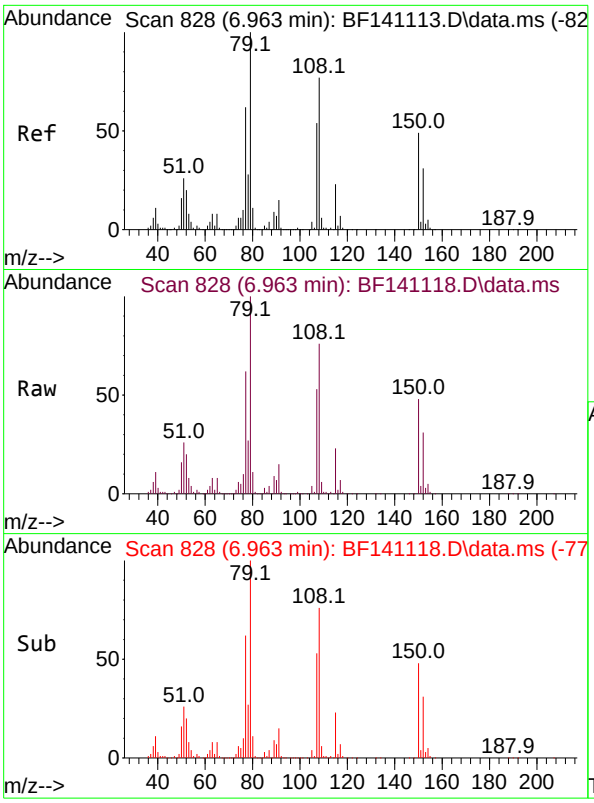


#14
1,2-Dichlorobenzene
Concen: 56.150 ng
RT: 6.993 min Scan# 833
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:146 Resp: 644752

Ion	Ratio	Lower	Upper
146	100		
148	63.9	52.2	78.4
111	46.8	37.5	56.3



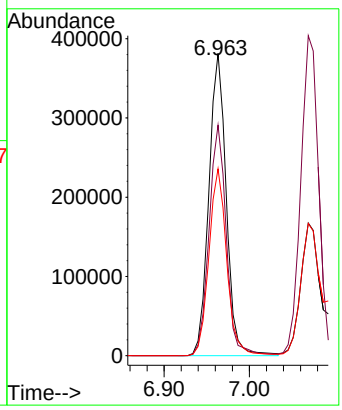


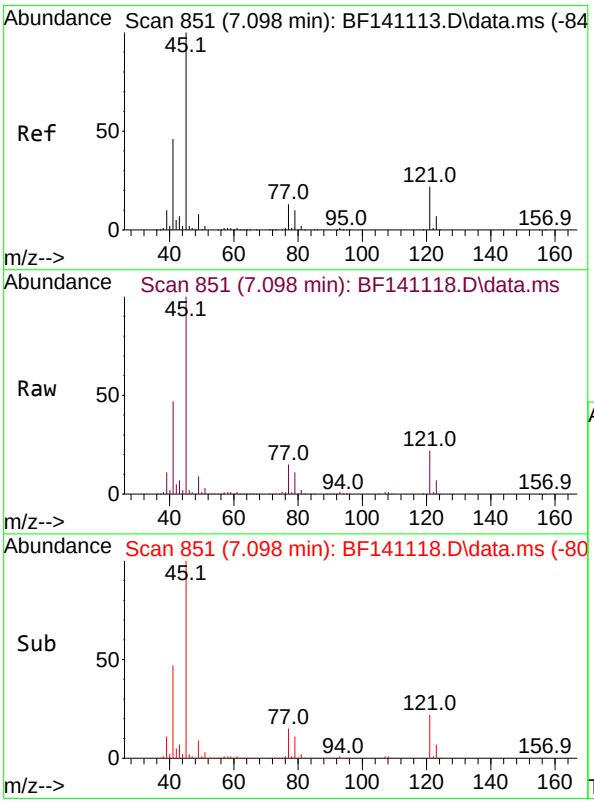
#15
Benzyl Alcohol
Concen: 57.975 ng
RT: 6.963 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 541420

Ion	Ratio	Lower	Upper
79	100		
108	76.3	61.4	92.0
77	61.8	49.8	74.6

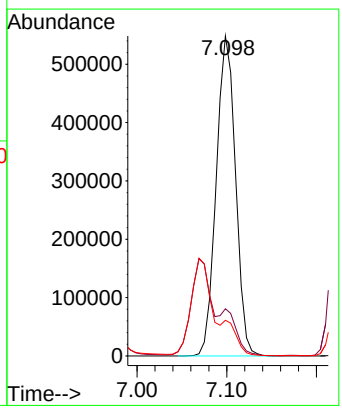


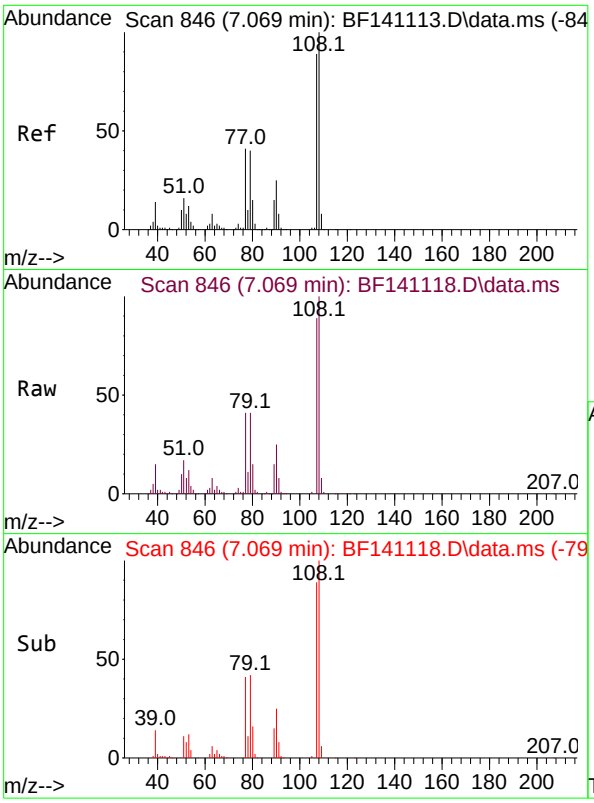


#16
2,2'-oxybis(1-Chloropropane)
Concen: 56.872 ng
RT: 7.098 min Scan# 851
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion: 45 Resp: 818728

Ion	Ratio	Lower	Upper
45	100		
77	14.7	0.0	34.1
79	11.2	0.0	31.0



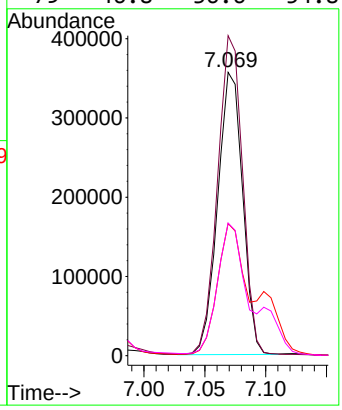


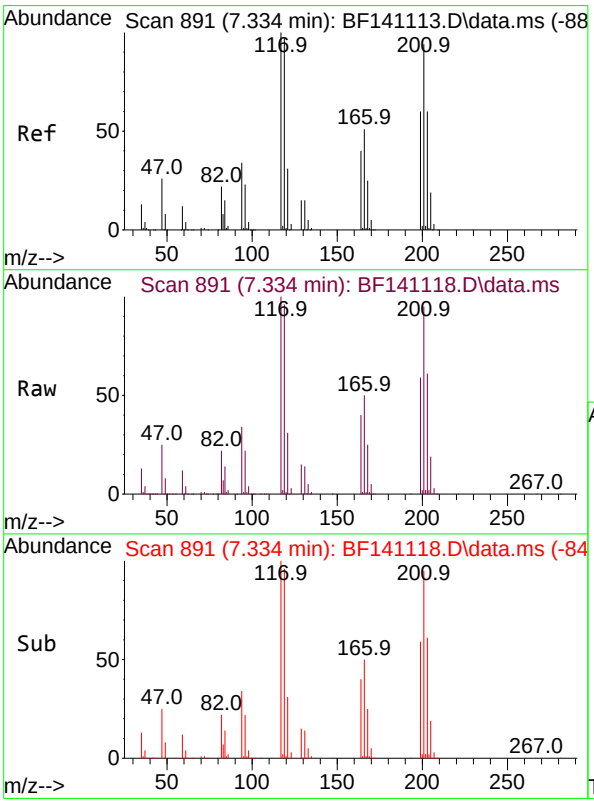
#17
2-Methylphenol
Concen: 57.648 ng
RT: 7.069 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:107 Resp: 509763

Ion	Ratio	Lower	Upper
107	100		
108	112.9	90.1	135.1
77	46.6	36.6	55.0
79	46.8	36.6	54.8

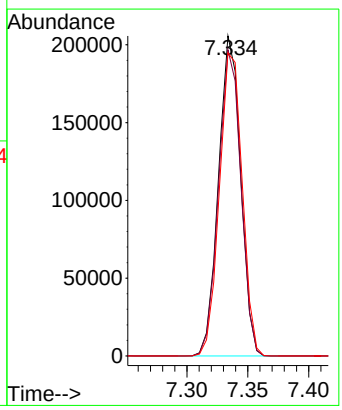


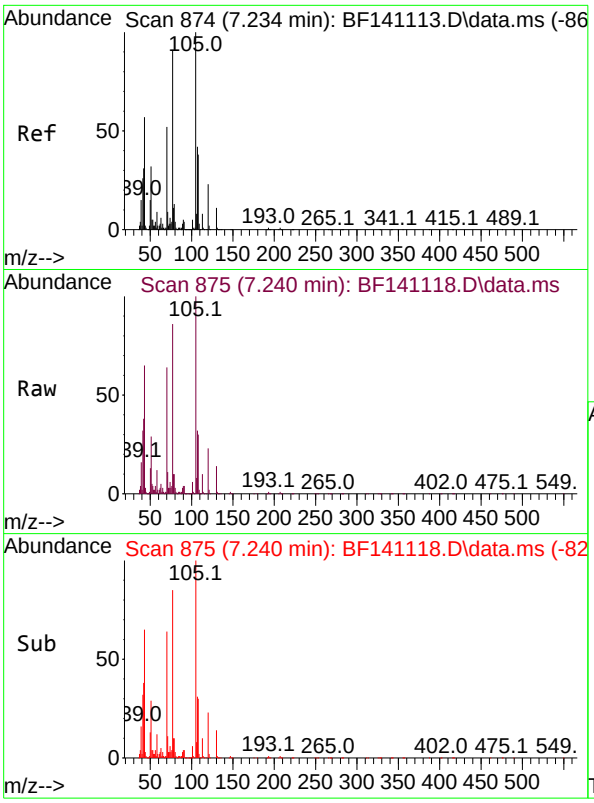


#18
Hexachloroethane
Concen: 58.460 ng
RT: 7.334 min Scan# 891
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:117 Resp: 260241

Ion	Ratio	Lower	Upper
117	100		
119	95.6	77.6	116.4
201	94.7	75.1	112.7



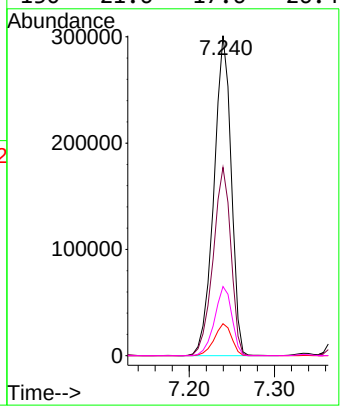


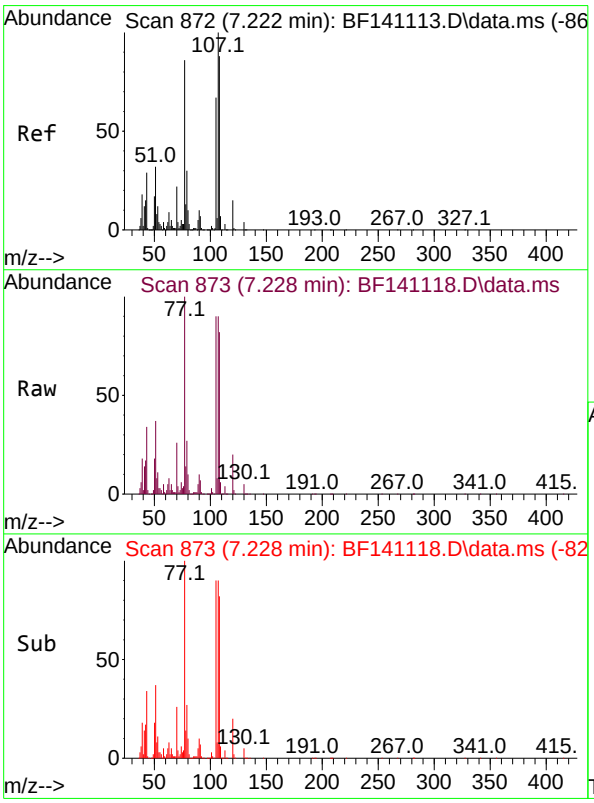
#19
n-Nitroso-di-n-propylamine
Concen: 56.050 ng
RT: 7.240 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 70 Resp: 426961

Ion	Ratio	Lower	Upper
70	100		
42	58.9	47.8	71.6
101	10.0	7.9	11.9
130	21.6	17.6	26.4

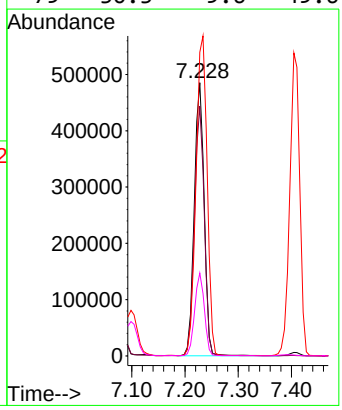


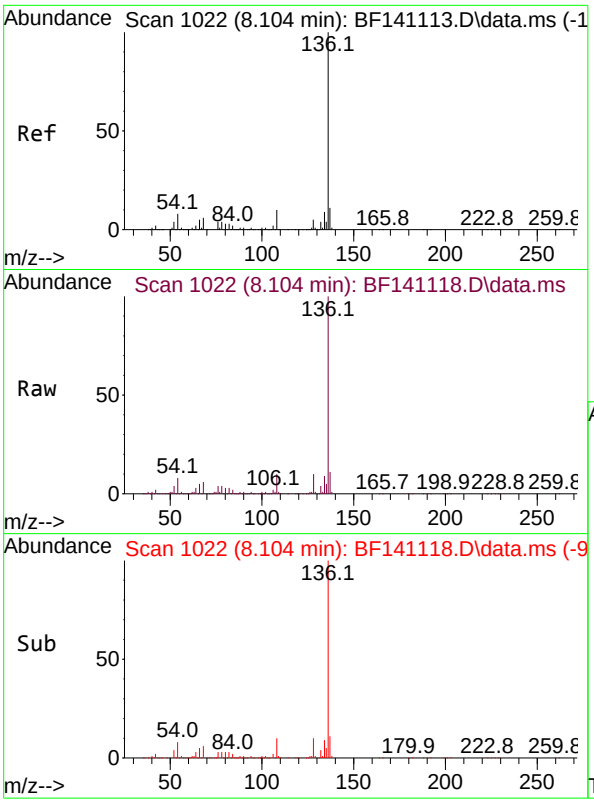


#20
3+4-Methylphenols
Concen: 55.954 ng
RT: 7.228 min Scan# 873
Delta R.T. 0.006 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:107 Resp: 624218

Ion	Ratio	Lower	Upper
107	100		
108	91.4	68.3	108.3
77	111.1	66.4	106.4#
79	30.3	9.6	49.6



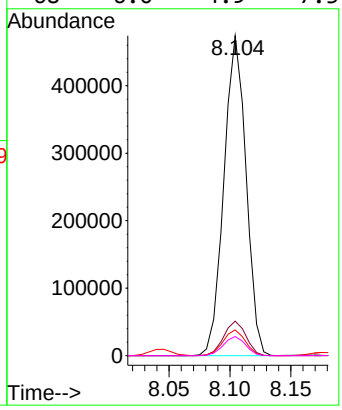


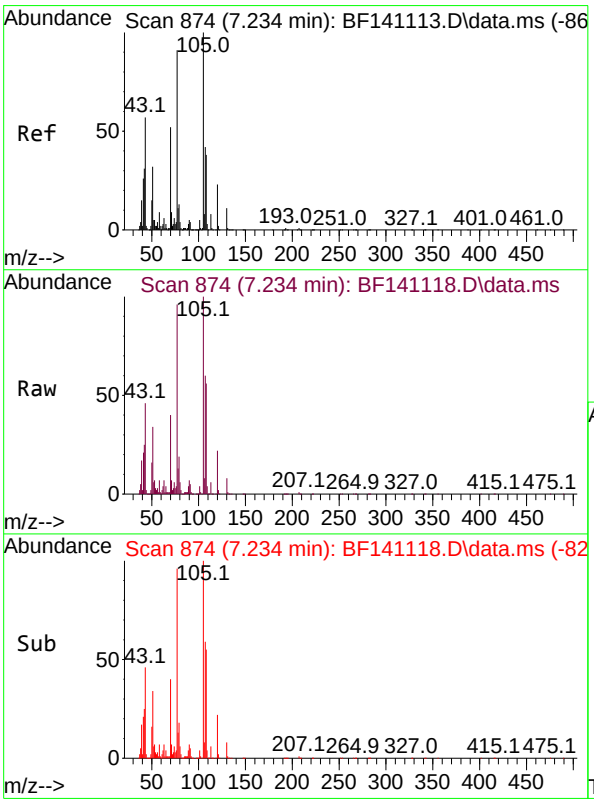
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:136 Resp: 600362

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	8.0	6.3	9.5
68	6.0	4.9	7.3

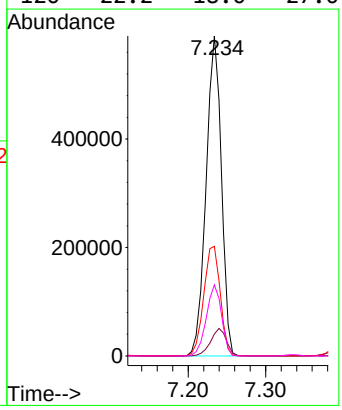


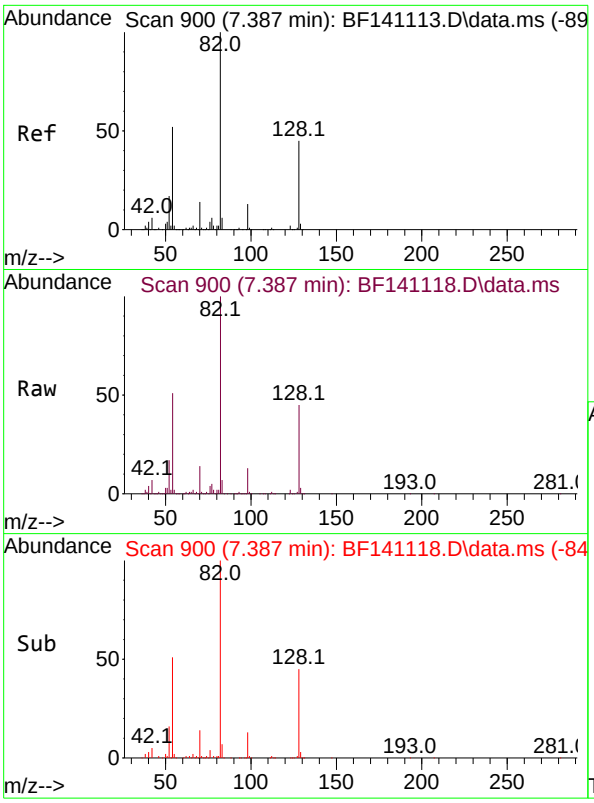


#22
Acetophenone
Concen: 56.696 ng
RT: 7.234 min Scan# 874
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:105 Resp: 809173

Ion	Ratio	Lower	Upper
105	100		
71	6.8	7.1	10.7#
51	34.2	25.4	38.2
120	22.2	18.0	27.0



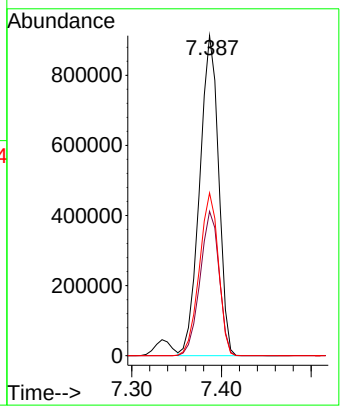


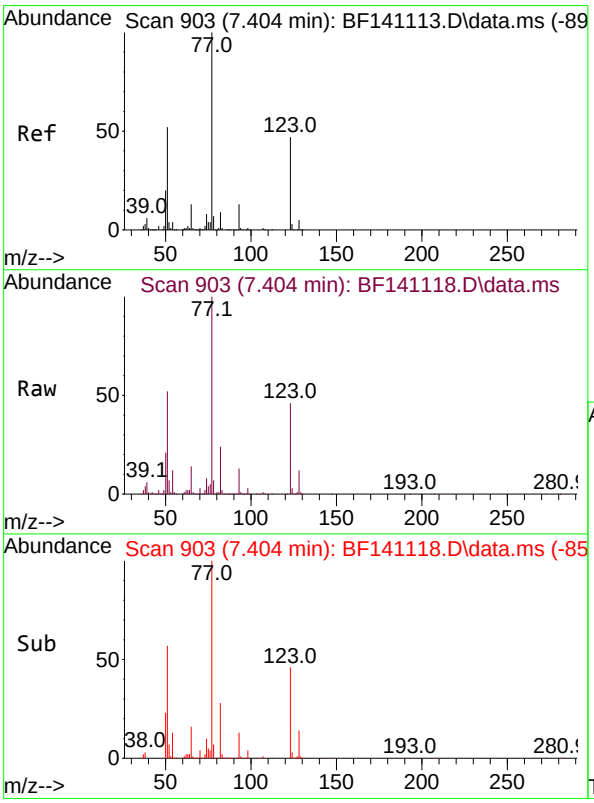
#23
Nitrobenzene-d5
Concen: 118.372 ng
RT: 7.387 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 1340654

Ion	Ratio	Lower	Upper
82	100		
128	45.1	36.1	54.1
54	50.9	41.0	61.4

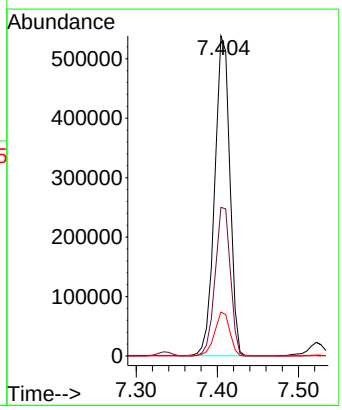


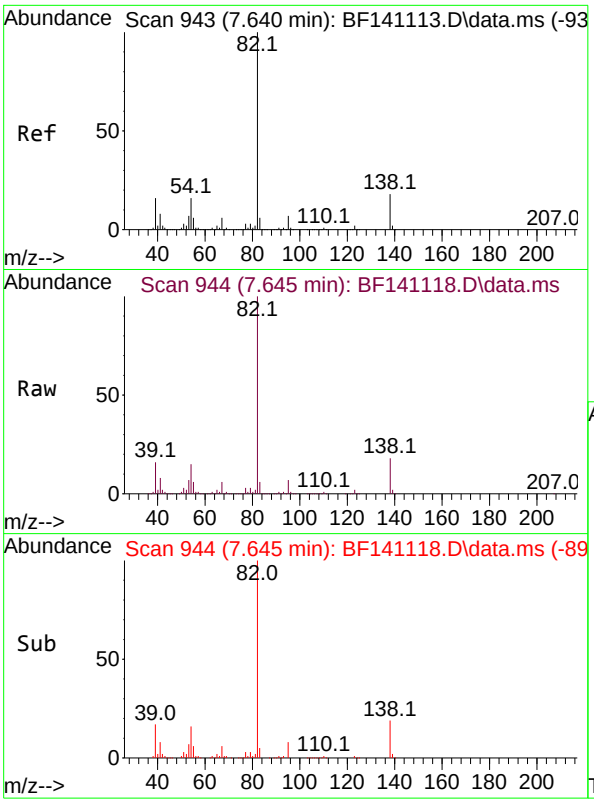


#24
Nitrobenzene
Concen: 59.239 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion: 77 Resp: 699248

Ion	Ratio	Lower	Upper
77	100		
123	46.5	37.7	56.5
65	13.7	10.6	16.0



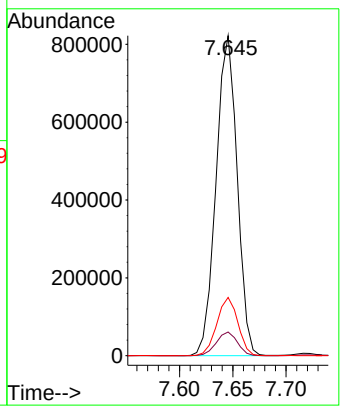


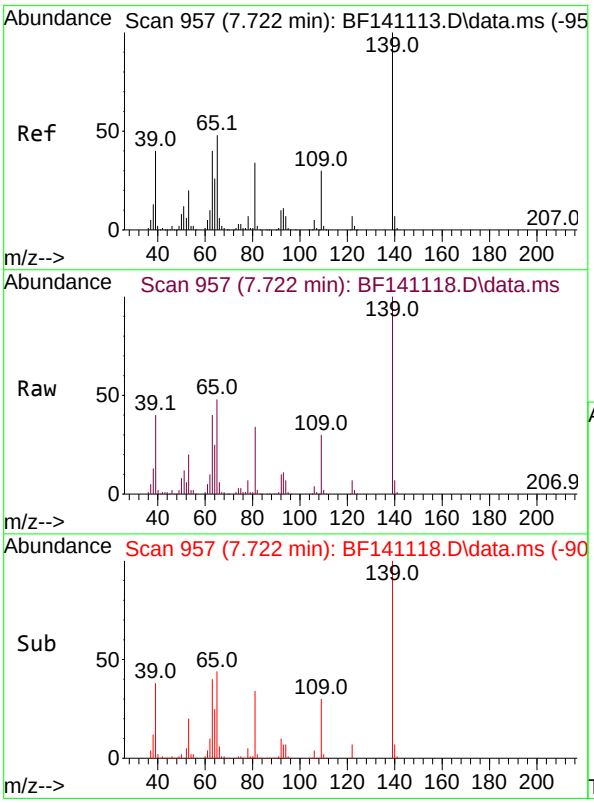
#25
Isophorone
Concen: 58.450 ng
RT: 7.645 min Scan# 94
Delta R.T. 0.006 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 1131315

Ion	Ratio	Lower	Upper
82	100		
95	7.4	5.9	8.9
138	18.2	14.2	21.2

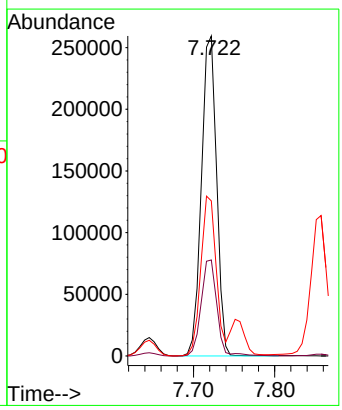


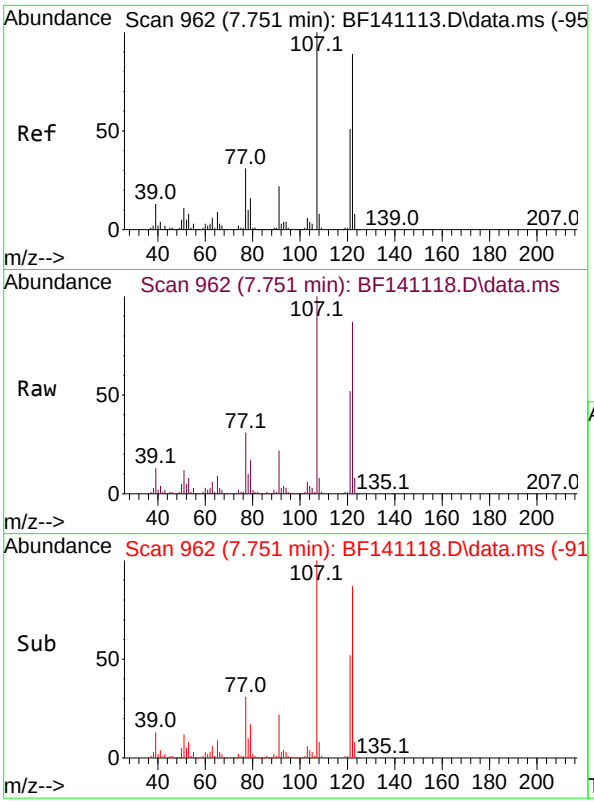


#26
2-Nitrophenol
Concen: 62.679 ng
RT: 7.722 min Scan# 957
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:139 Resp: 336551

Ion	Ratio	Lower	Upper
139	100		
109	30.0	23.8	35.6
65	48.5	38.5	57.7



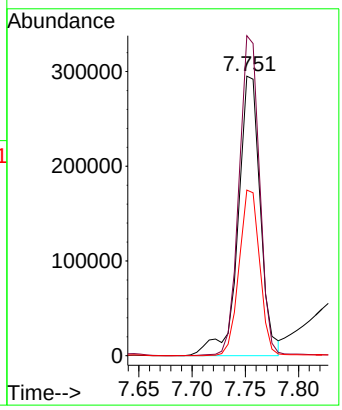


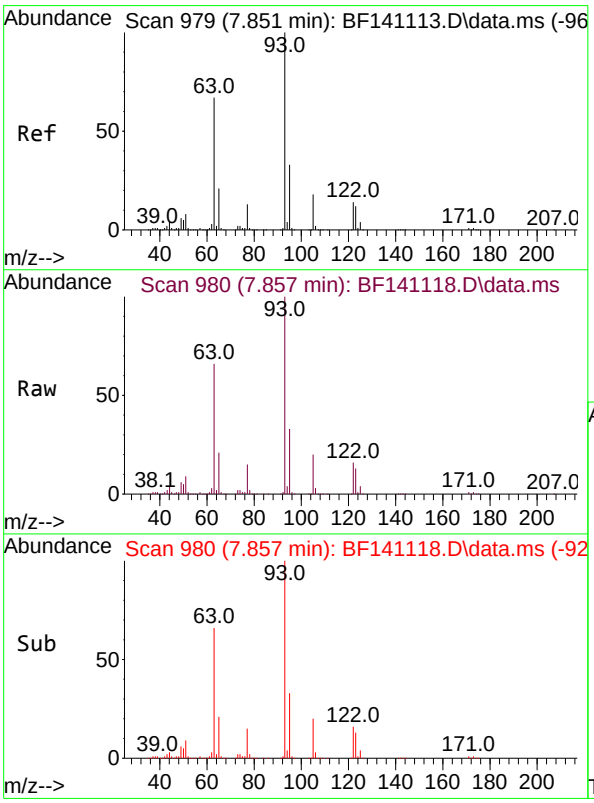
#27
2,4-Dimethylphenol
Concen: 59.269 ng
RT: 7.751 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:122 Resp: 429261

Ion	Ratio	Lower	Upper
122	100		
107	114.5	90.3	135.5
121	59.3	46.5	69.7

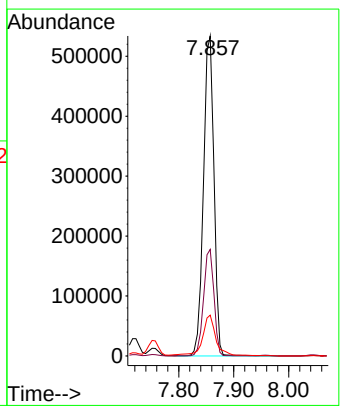


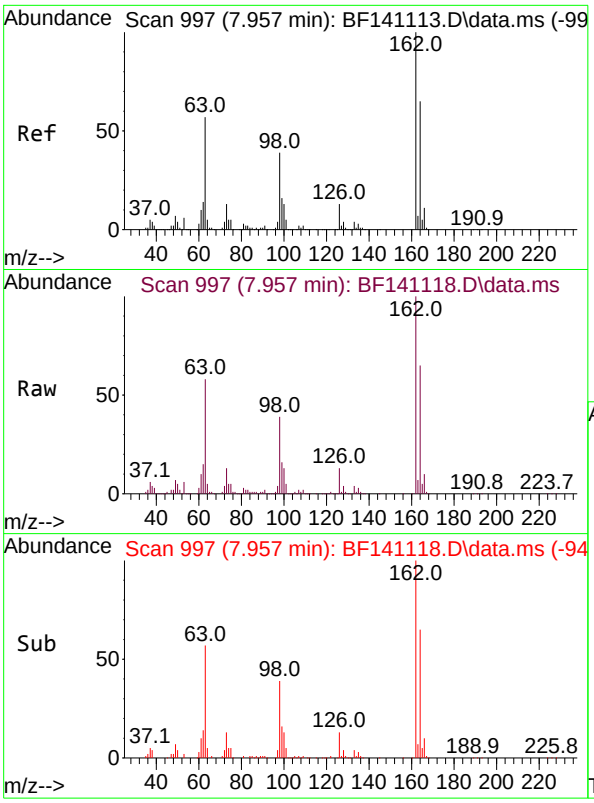


#28
bis(2-Chloroethoxy)methane
Concen: 58.290 ng
RT: 7.857 min Scan# 980
Delta R.T. 0.006 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion: 93 Resp: 708043

Ion	Ratio	Lower	Upper
93	100		
95	33.3	26.2	39.4
123	12.8	10.1	15.1



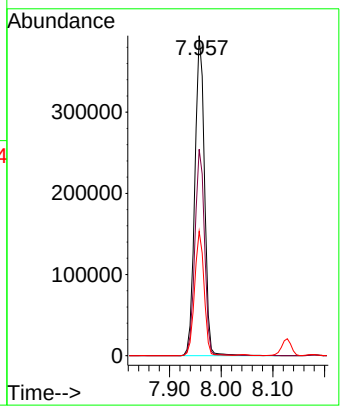


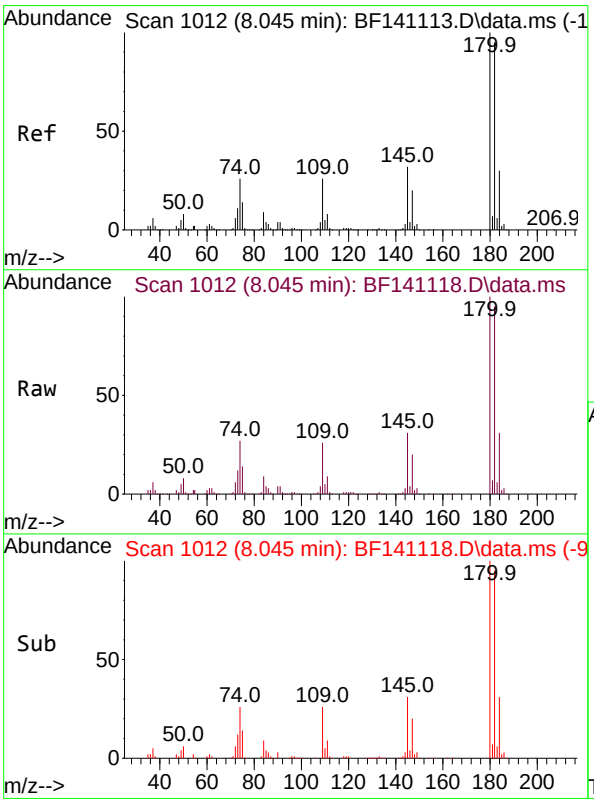
#29
2,4-Dichlorophenol
Concen: 59.394 ng
RT: 7.957 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 510890

Ion	Ratio	Lower	Upper
162	100		
164	64.5	44.5	84.5
98	38.8	18.5	58.5

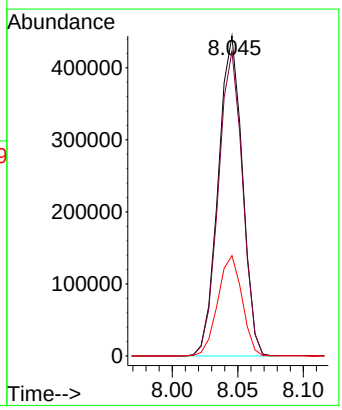


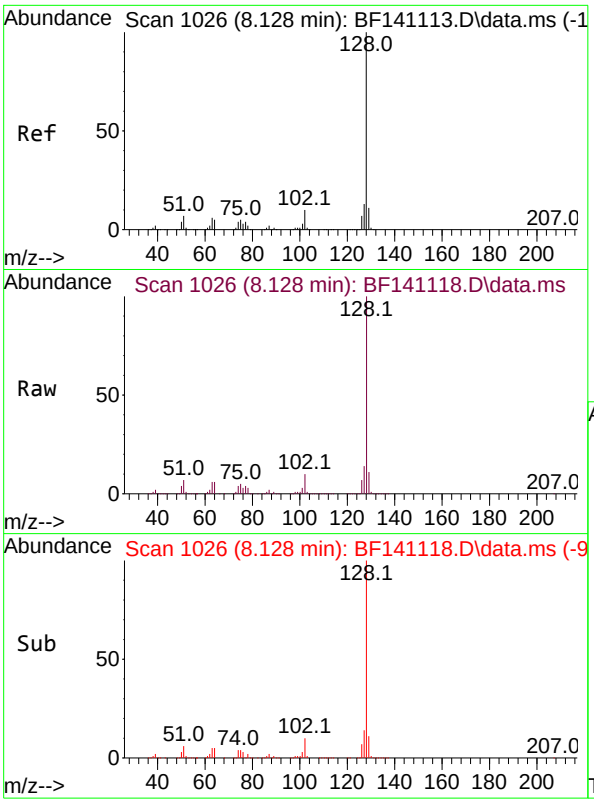


#30
1,2,4-Trichlorobenzene
Concen: 57.848 ng
RT: 8.045 min Scan# 1012
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:180 Resp: 568765

Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.2	114.2
145	31.4	25.3	37.9



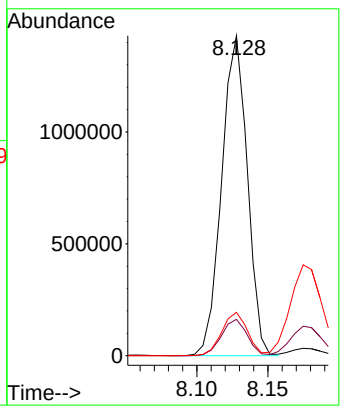


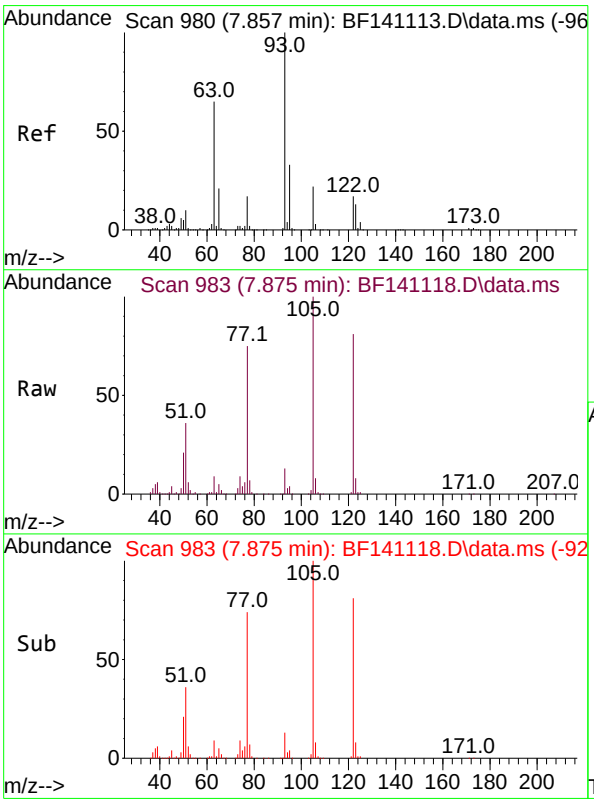
#31
Naphthalene
Concen: 56.724 ng
RT: 8.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:128 Resp: 1795916

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.0	13.6
127	13.6	10.8	16.2

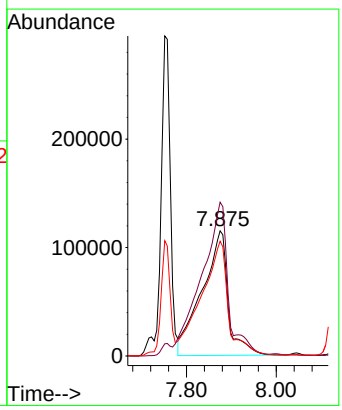


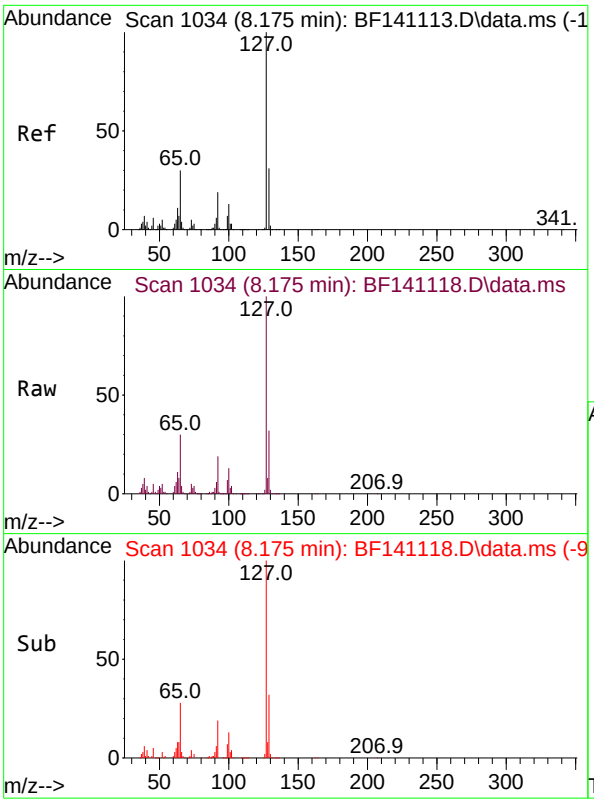


#32
Benzoic acid
Concen: 66.980 ng
RT: 7.875 min Scan# 983
Delta R.T. 0.018 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:122 Resp: 465348

Ion	Ratio	Lower	Upper
122	100		
105	122.9	105.5	145.5
77	91.7	75.1	115.1



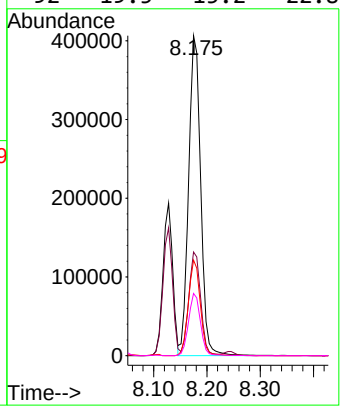


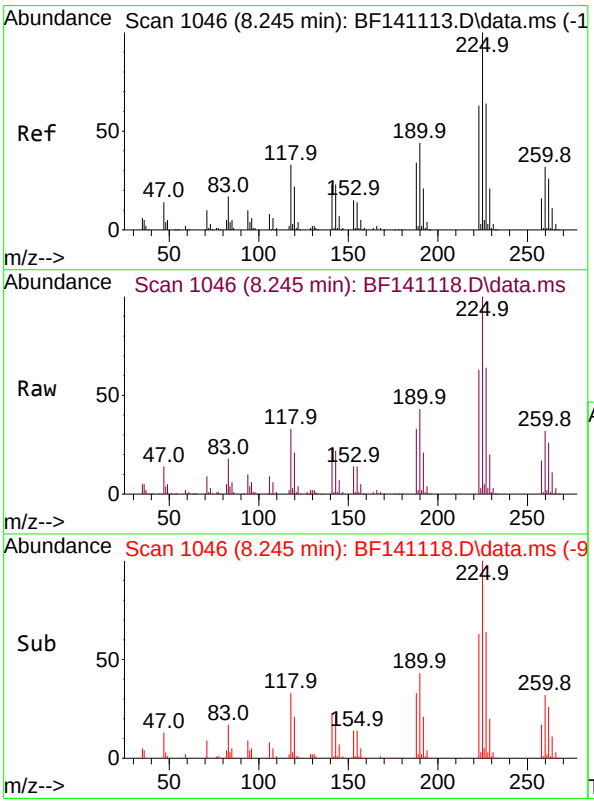
#33
4-Chloroaniline
Concen: 58.424 ng
RT: 8.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:127 Resp: 639712

Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.9	38.9
65	29.9	23.8	35.8
92	19.5	15.2	22.8

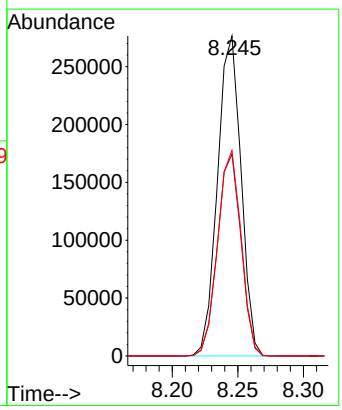


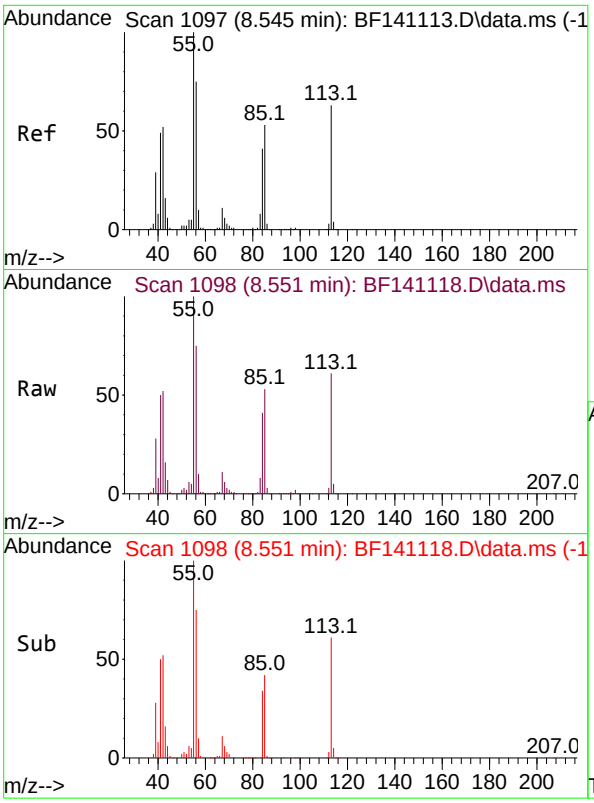


#34
Hexachlorobutadiene
Concen: 58.183 ng
RT: 8.245 min Scan# 1046
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:225 Resp: 344699

Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.6	76.0
227	64.2	51.6	77.4



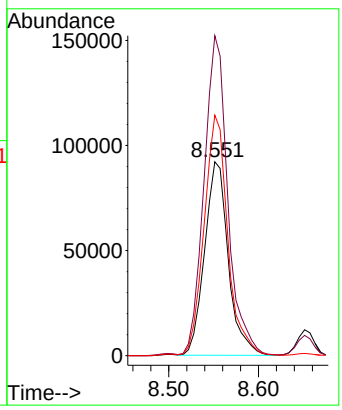


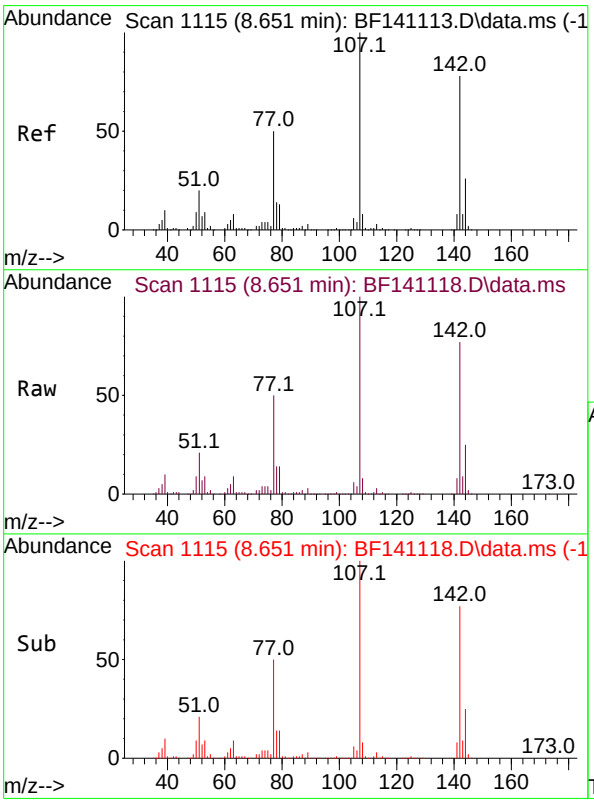
#35
Caprolactam
Concen: 59.824 ng
RT: 8.551 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:113 Resp: 168796

Ion	Ratio	Lower	Upper
113	100		
55	165.0	139.7	179.7
56	124.1	99.4	139.4

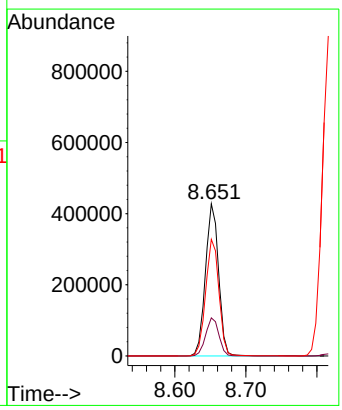


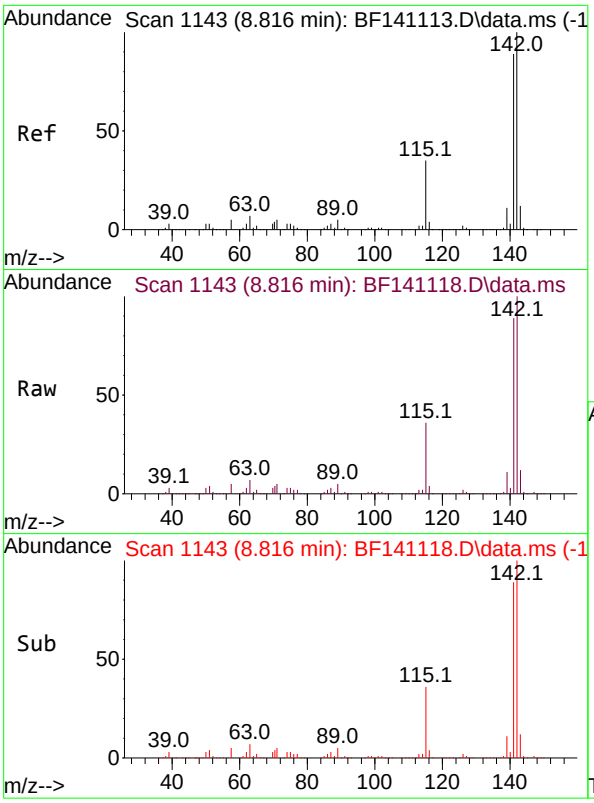


#36
4-Chloro-3-methylphenol
Concen: 58.704 ng
RT: 8.651 min Scan# 1115
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:107 Resp: 552248

Ion	Ratio	Lower	Upper
107	100		
144	25.0	20.4	30.6
142	76.6	62.2	93.2



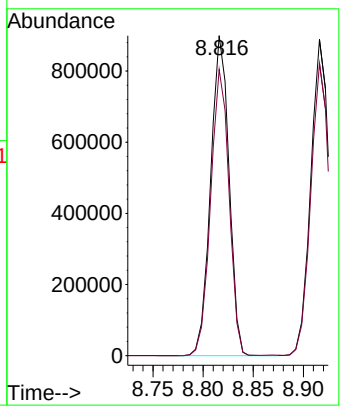


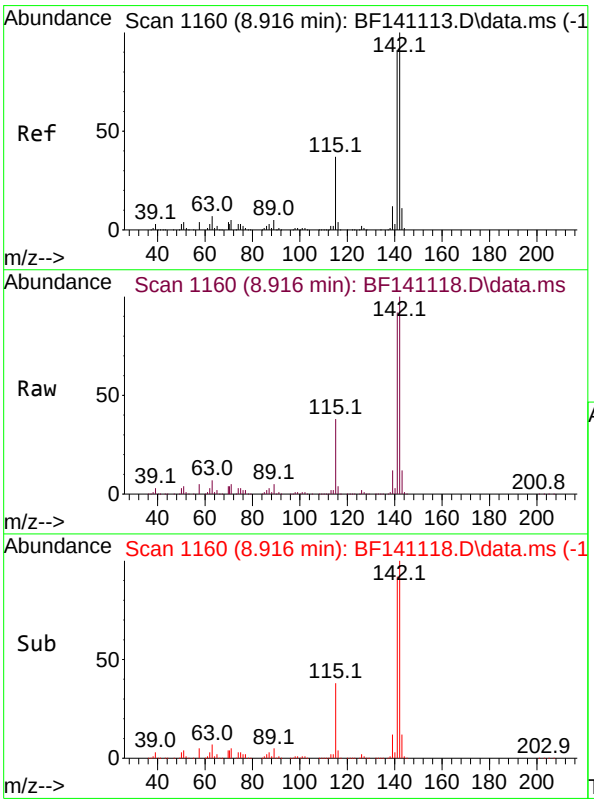
#37
2-Methylnaphthalene
Concen: 56.860 ng
RT: 8.816 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 1147172

Ion	Ratio	Lower	Upper
142	100		
141	89.4	71.3	106.9

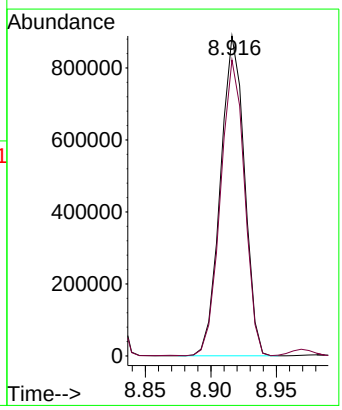


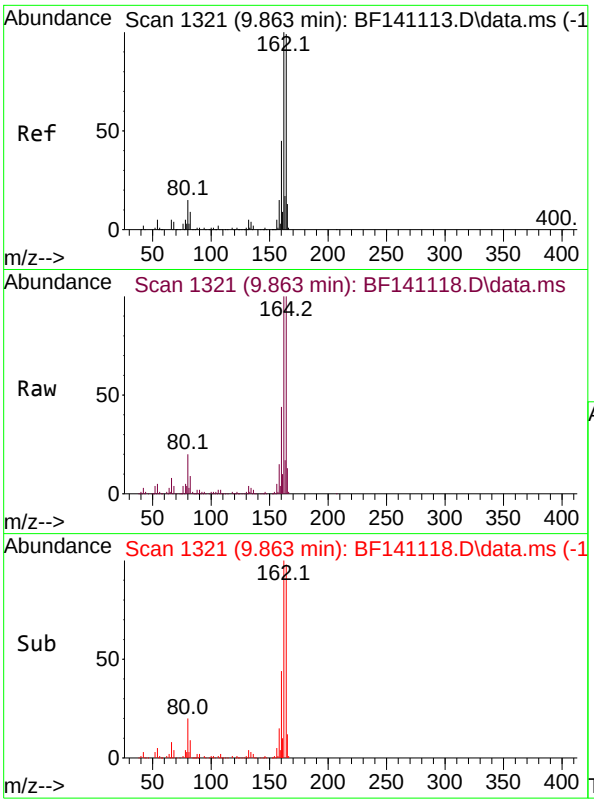


#38
1-Methylnaphthalene
Concen: 56.812 ng
RT: 8.916 min Scan# 1160
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:142 Resp: 1129604

Ion	Ratio	Lower	Upper
142	100		
141	92.5	73.1	109.7



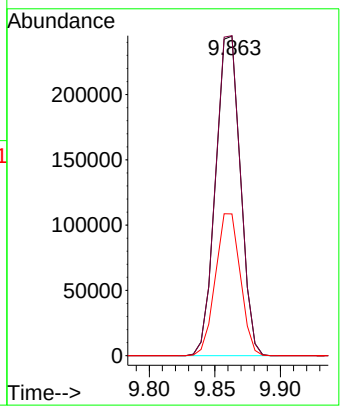


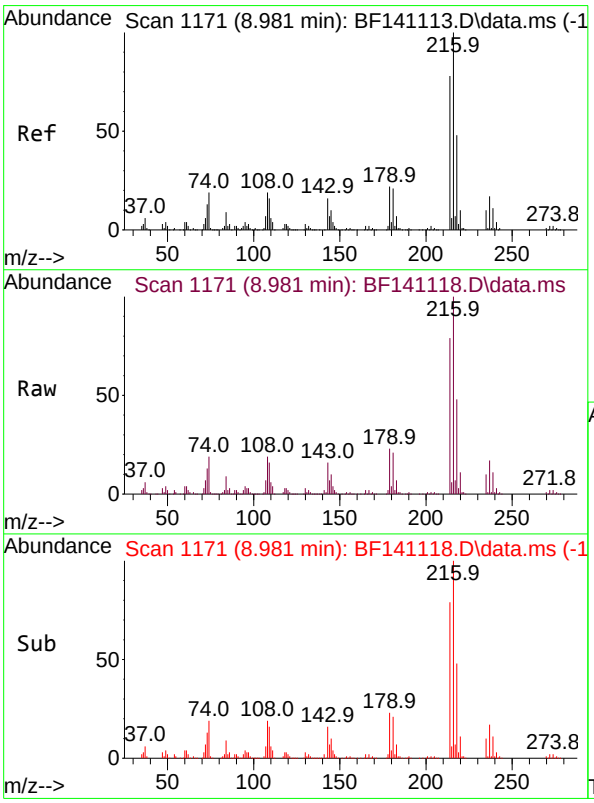
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:164 Resp: 321522

Ion	Ratio	Lower	Upper
164	100		
162	100.2	81.0	121.4
160	44.4	36.1	54.1

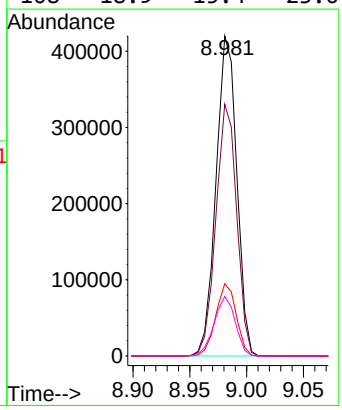


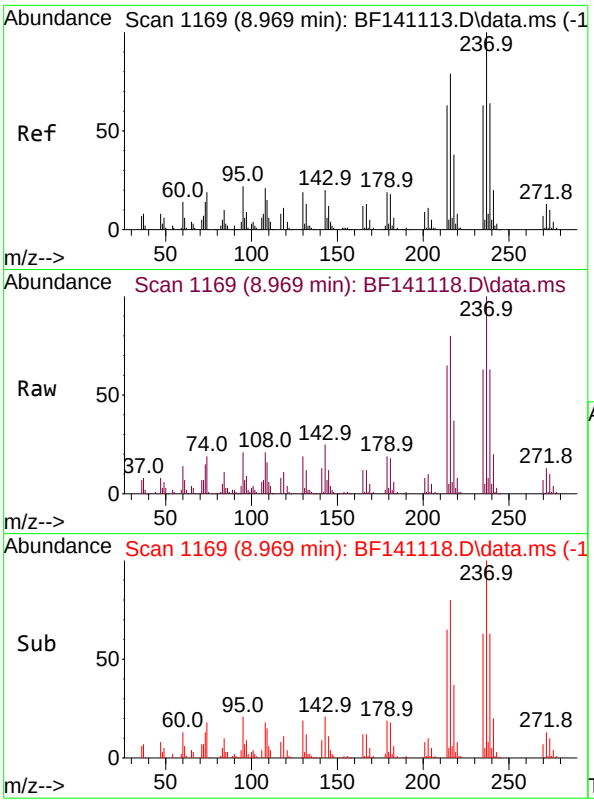


#40
1,2,4,5-Tetrachlorobenzene
Concen: 57.909 ng
RT: 8.981 min Scan# 1171
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:216 Resp: 534399

Ion	Ratio	Lower	Upper
216	100		
214	78.8	62.6	94.0
179	22.3	17.7	26.5
108	18.9	15.4	23.0



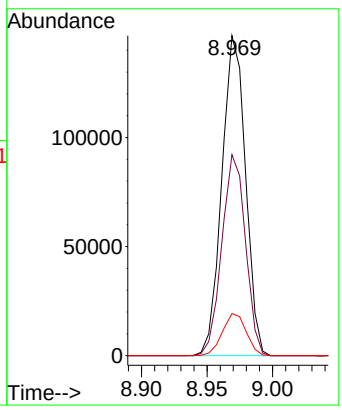


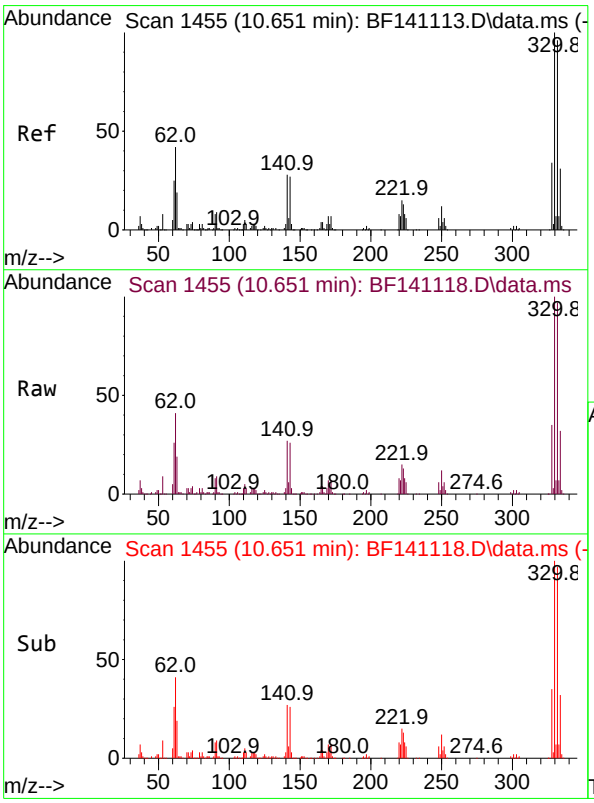
#41
Hexachlorocyclopentadiene
Concen: 61.011 ng
RT: 8.969 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:237 Resp: 184204

Ion	Ratio	Lower	Upper
237	100		
235	62.8	43.0	83.0
272	13.1	0.0	33.0

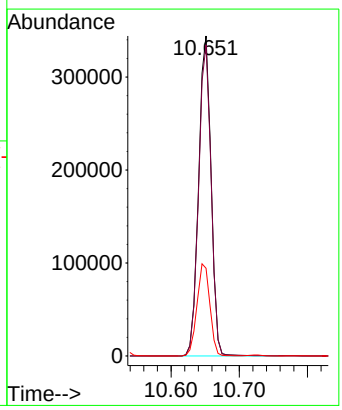


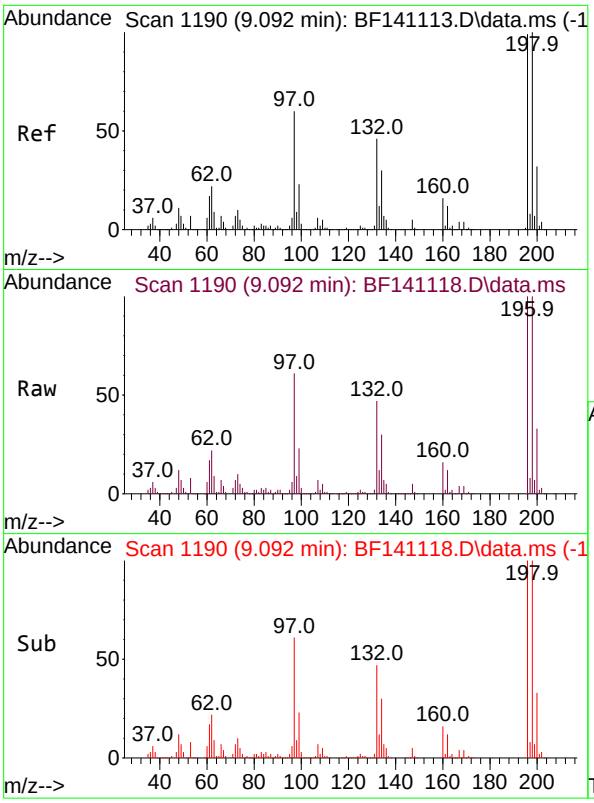


#42
2,4,6-Tribromophenol
Concen: 118.901 ng
RT: 10.651 min Scan# 1455
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:330 Resp: 435599

Ion	Ratio	Lower	Upper
330	100		
332	97.5	76.9	115.3
141	29.8	25.2	37.8



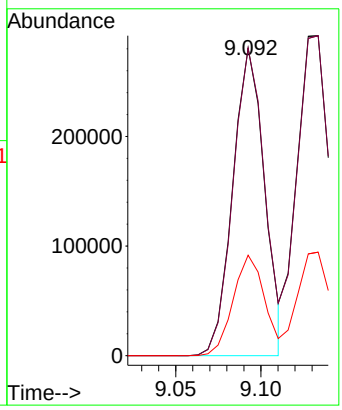


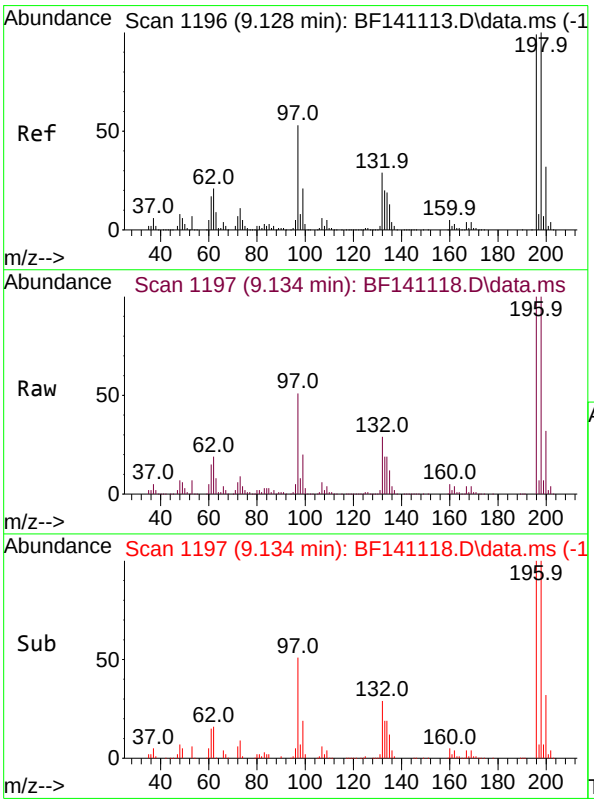
#43
2,4,6-Trichlorophenol
Concen: 58.489 ng
RT: 9.092 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:196 Resp: 364034

Ion	Ratio	Lower	Upper
196	100		
198	100.0	80.8	121.2
200	32.7	25.7	38.5

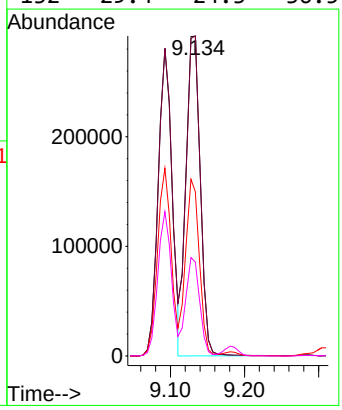


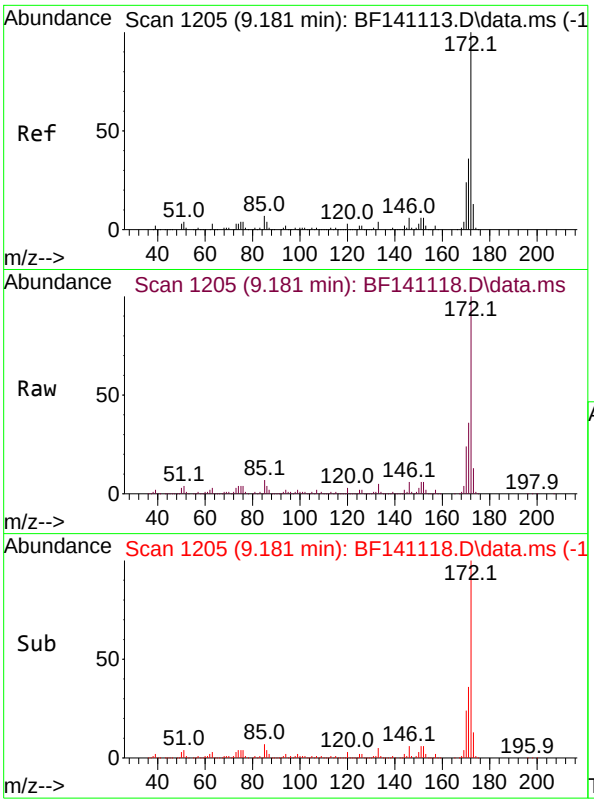


#44
2,4,5-Trichlorophenol
Concen: 59.706 ng
RT: 9.134 min Scan# 1197
Delta R.T. 0.006 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:196 Resp: 392463

Ion	Ratio	Lower	Upper
196	100		
198	100.1	80.6	120.8
97	51.4	43.1	64.7
132	29.4	24.3	36.5



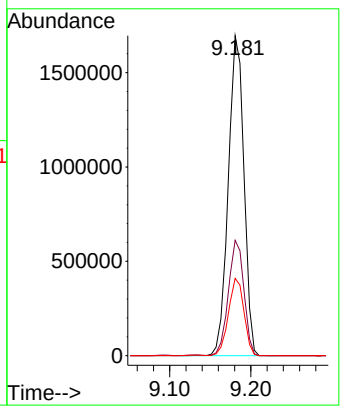


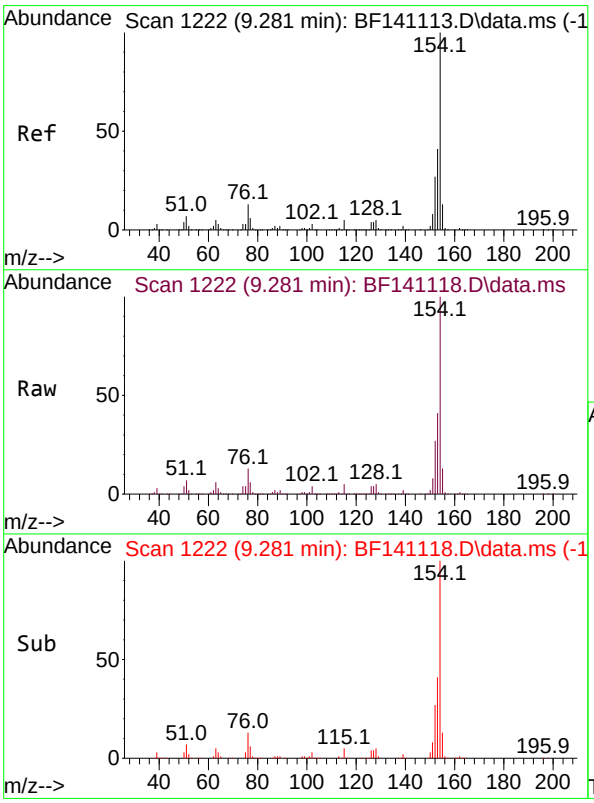
#45
2-Fluorobiphenyl
Concen: 107.735 ng
RT: 9.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:172 Resp: 2268382

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.7	43.1
170	24.1	19.0	28.6

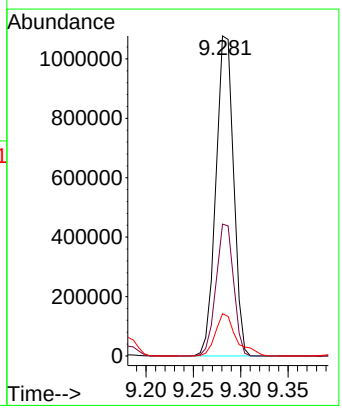


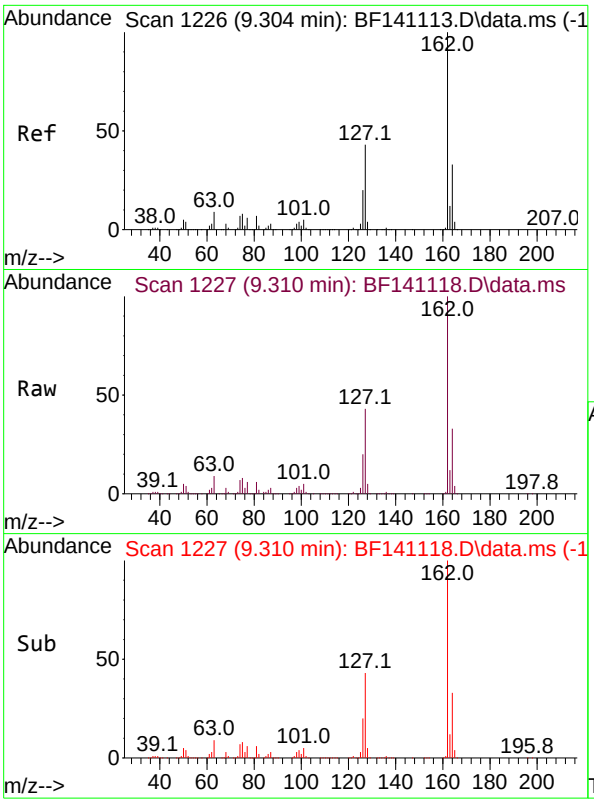


#46
1,1'-Biphenyl
Concen: 56.087 ng
RT: 9.281 min Scan# 1222
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:154 Resp: 1400460

Ion	Ratio	Lower	Upper
154	100		
153	41.2	20.7	60.7
76	13.2	0.0	33.1



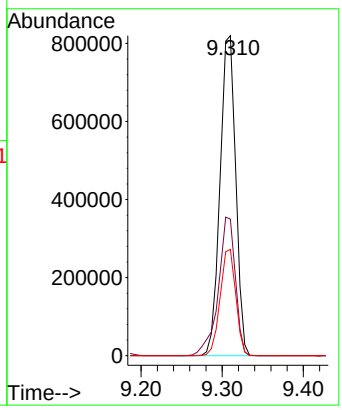


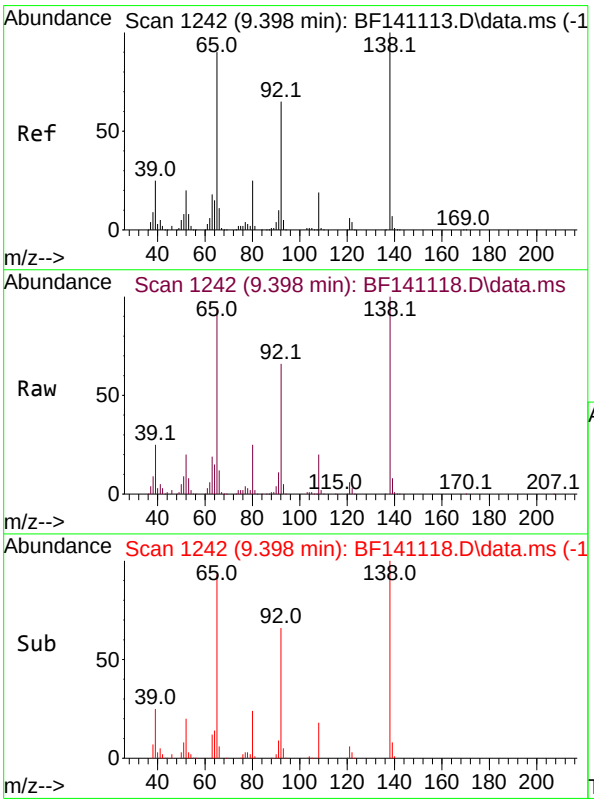
#47
2-Chloronaphthalene
Concen: 56.770 ng
RT: 9.310 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 1104069

Ion	Ratio	Lower	Upper
162	100		
127	42.7	34.6	51.8
164	33.2	26.5	39.7

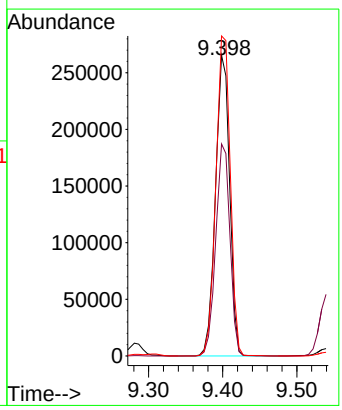


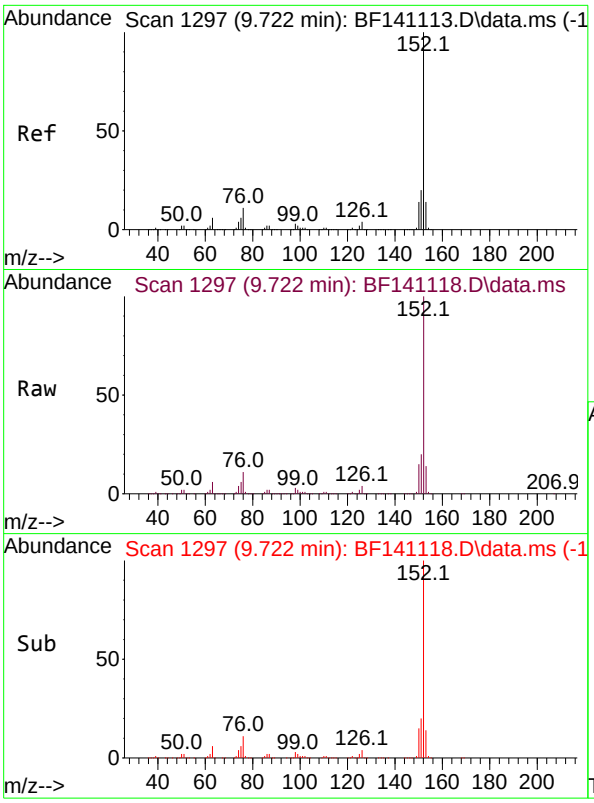


#48
2-Nitroaniline
Concen: 61.027 ng
RT: 9.398 min Scan# 1242
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion: 65 Resp: 351824

Ion	Ratio	Lower	Upper
65	100		
92	70.5	58.3	87.5
138	106.5	89.1	133.7



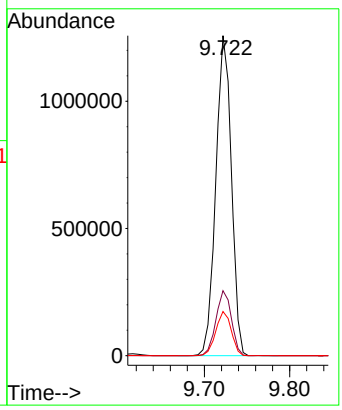


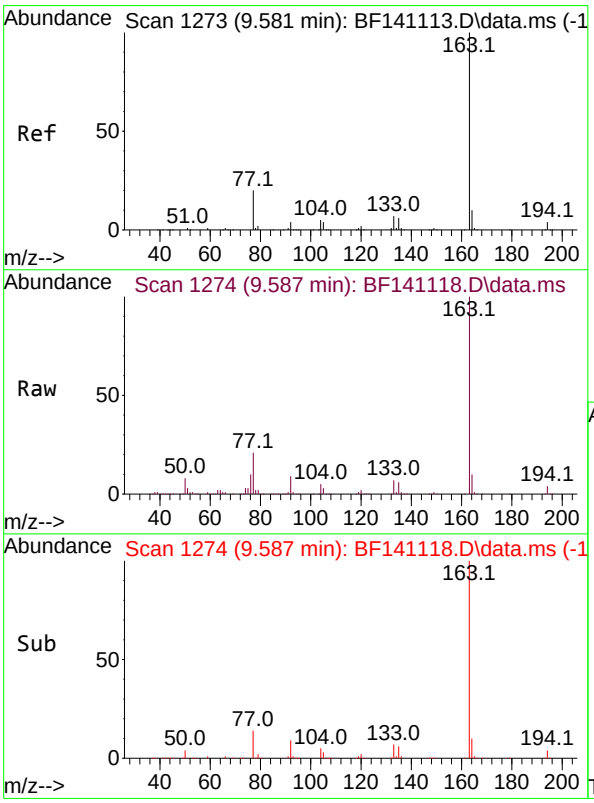
#49
Acenaphthylene
Concen: 57.426 ng
RT: 9.722 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 1595599

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.1	24.1
153	13.8	11.1	16.7

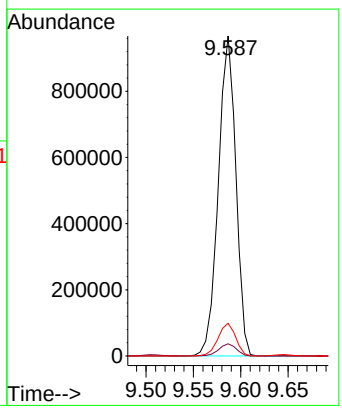


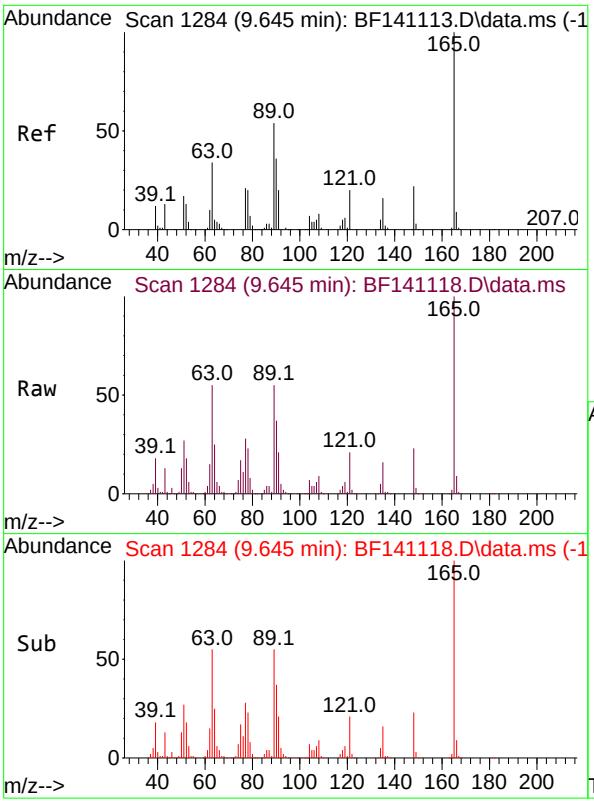


#50
Dimethylphthalate
Concen: 57.746 ng
RT: 9.587 min Scan# 1274
Delta R.T. 0.006 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:163 Resp: 1246443

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	10.2	8.2	12.4



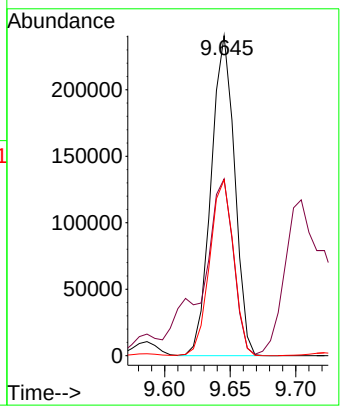


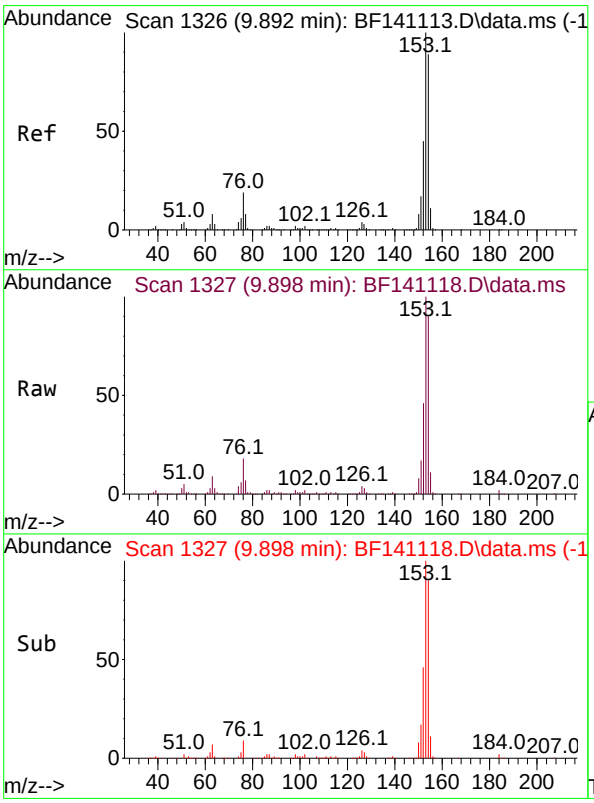
#51
2,6-Dinitrotoluene
Concen: 59.872 ng
RT: 9.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 300526

Ion	Ratio	Lower	Upper
165	100		
63	55.3	42.3	63.5
89	55.0	43.1	64.7

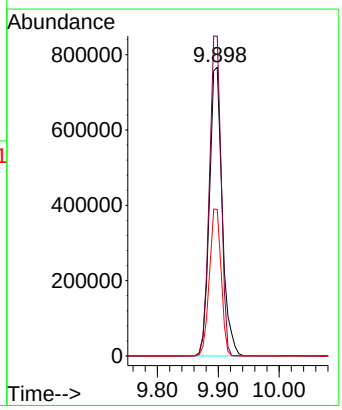


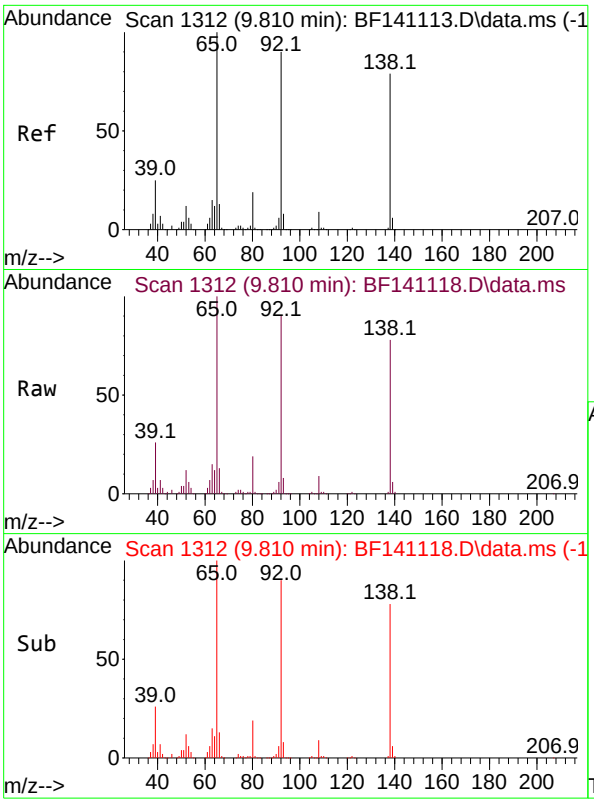


#52
Acenaphthene
Concen: 57.638 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.006 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:154 Resp: 1118880

Ion	Ratio	Lower	Upper
154	100		
153	110.7	89.8	134.6
152	50.7	40.8	61.2



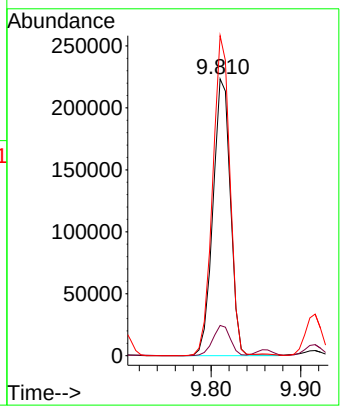


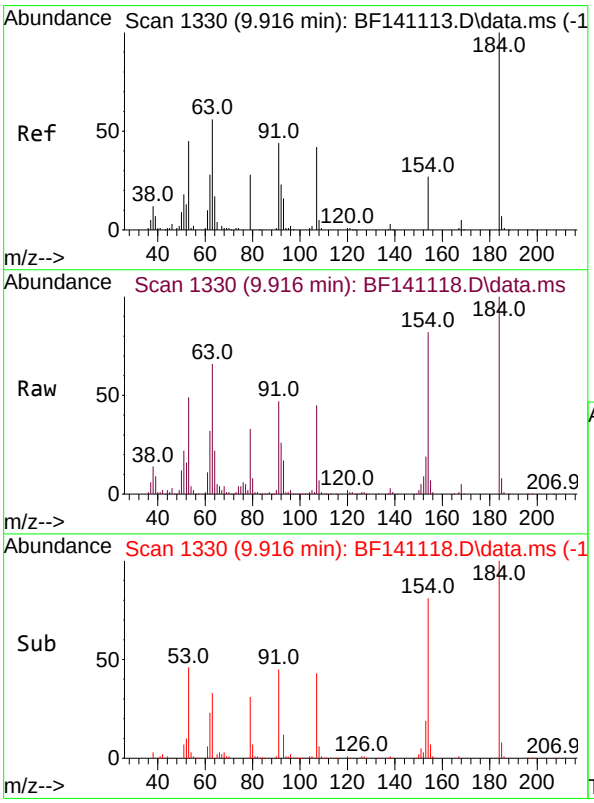
#53
3-Nitroaniline
Concen: 59.064 ng
RT: 9.810 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:138 Resp: 301277

Ion	Ratio	Lower	Upper
138	100		
108	11.0	8.8	13.2
92	115.6	91.3	136.9

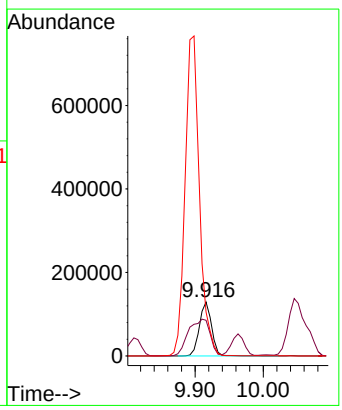


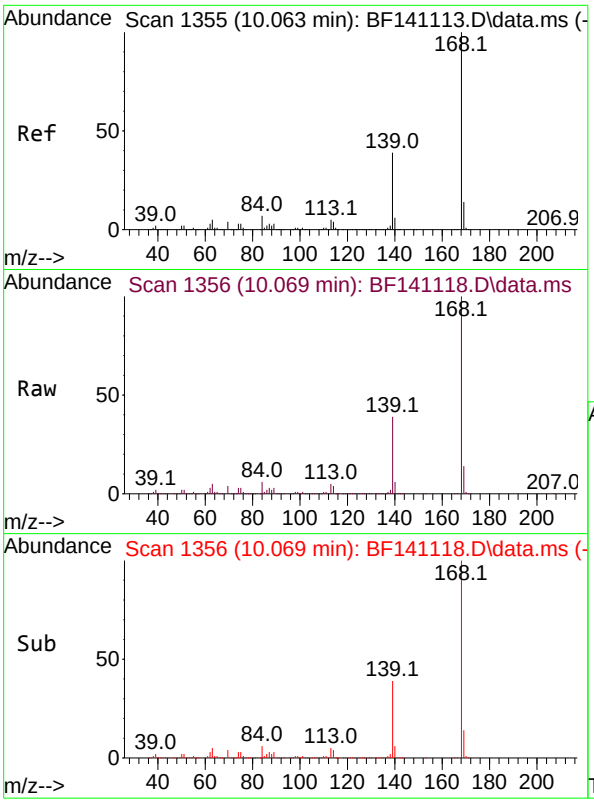


#54
2,4-Dinitrophenol
Concen: 67.324 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:184 Resp: 160627

Ion	Ratio	Lower	Upper
184	100		
63	66.2	48.7	73.1
154	81.6	57.1	85.7



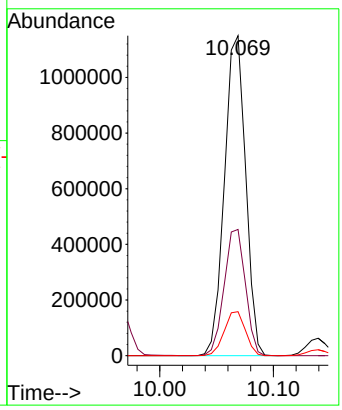


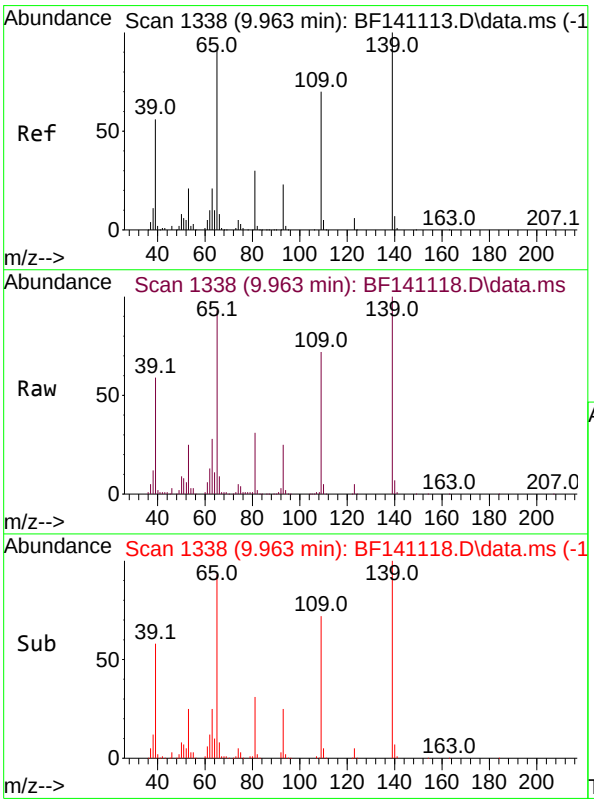
#55
Dibenzofuran
Concen: 56.480 ng
RT: 10.069 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:168 Resp: 1491333

Ion	Ratio	Lower	Upper
168	100		
139	39.4	31.4	47.0
169	13.7	10.9	16.3

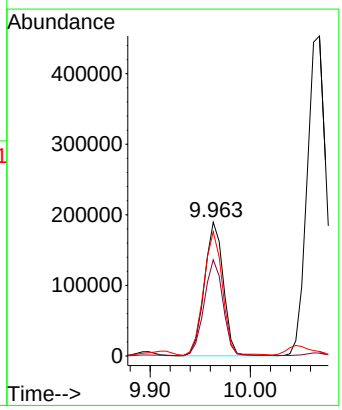


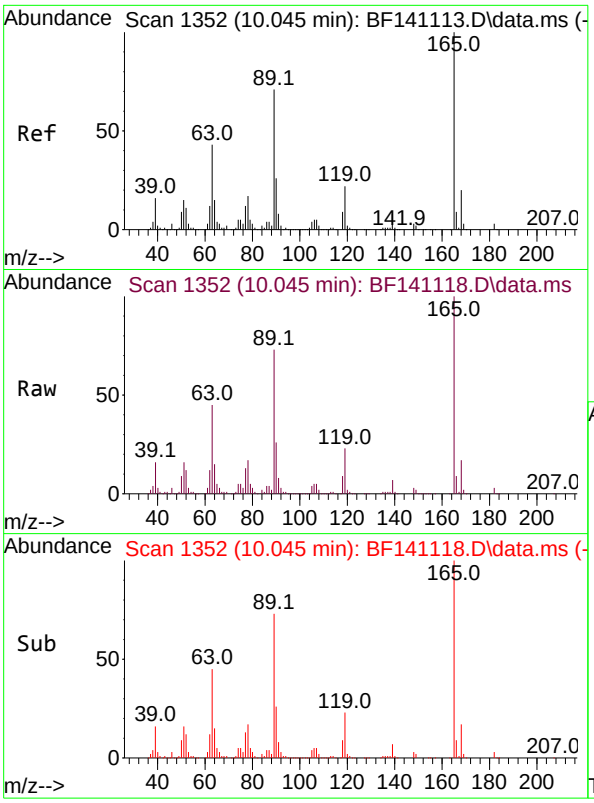


#56
4-Nitrophenol
Concen: 62.231 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:139 Resp: 248603

Ion	Ratio	Lower	Upper
139	100		
109	71.9	50.2	90.2
65	93.0	72.1	112.1



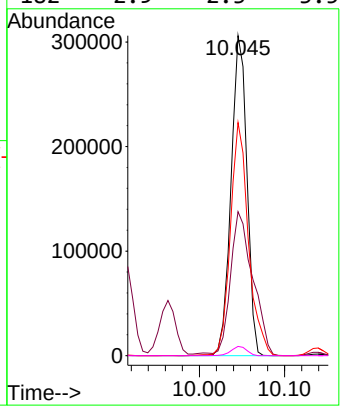


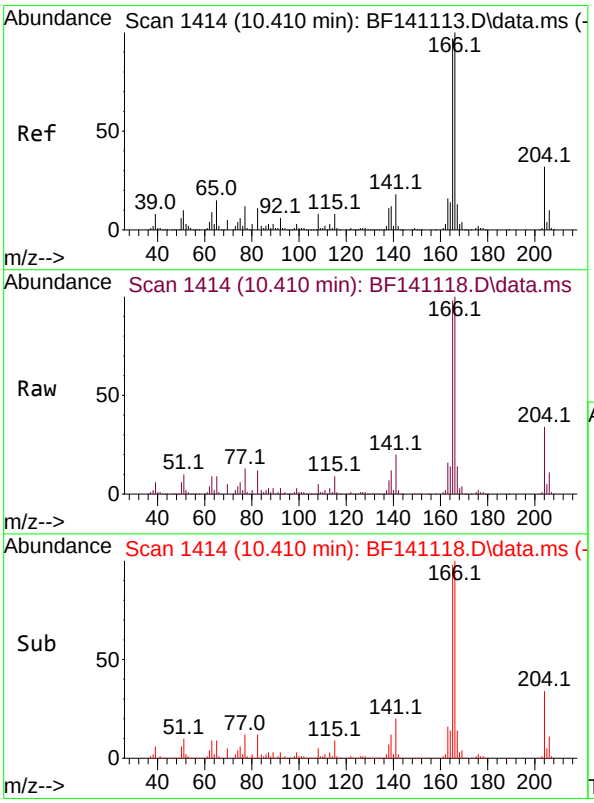
#57
2,4-Dinitrotoluene
Concen: 61.325 ng
RT: 10.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 396697

Ion	Ratio	Lower	Upper
165	100		
63	45.0	35.0	52.4
89	72.9	56.7	85.1
182	2.9	2.3	3.5

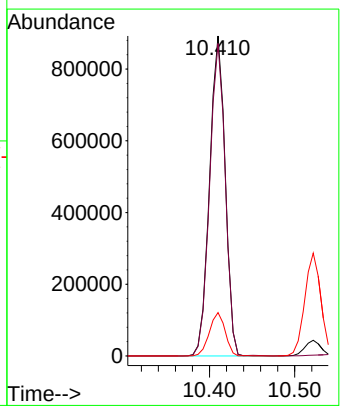


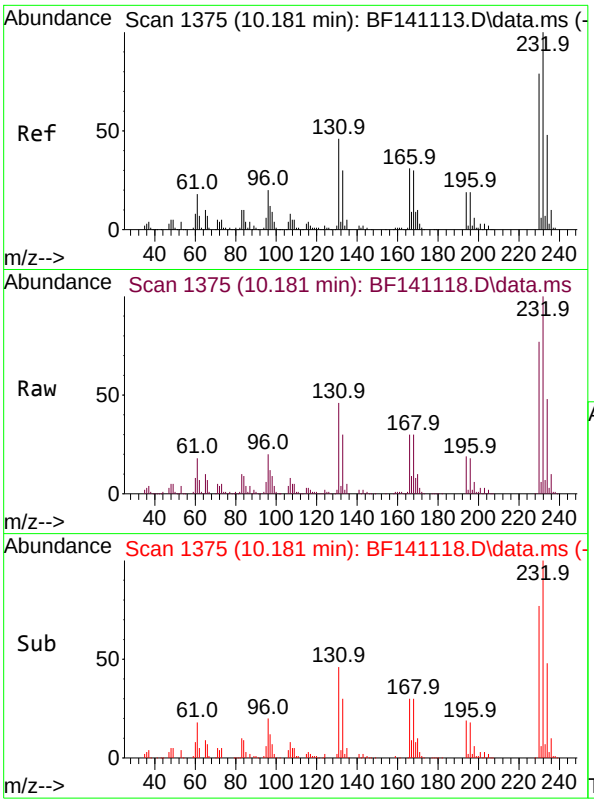


#58
Fluorene
Concen: 55.599 ng
RT: 10.410 min Scan# 1414
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:166 Resp: 1140533

Ion	Ratio	Lower	Upper
166	100		
165	97.7	77.8	116.8
167	13.6	10.8	16.2



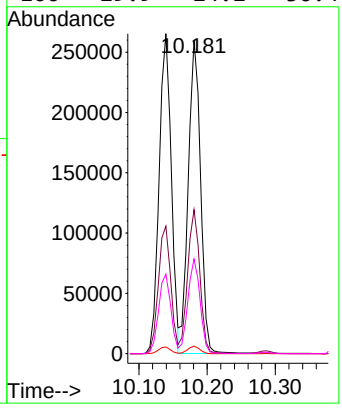


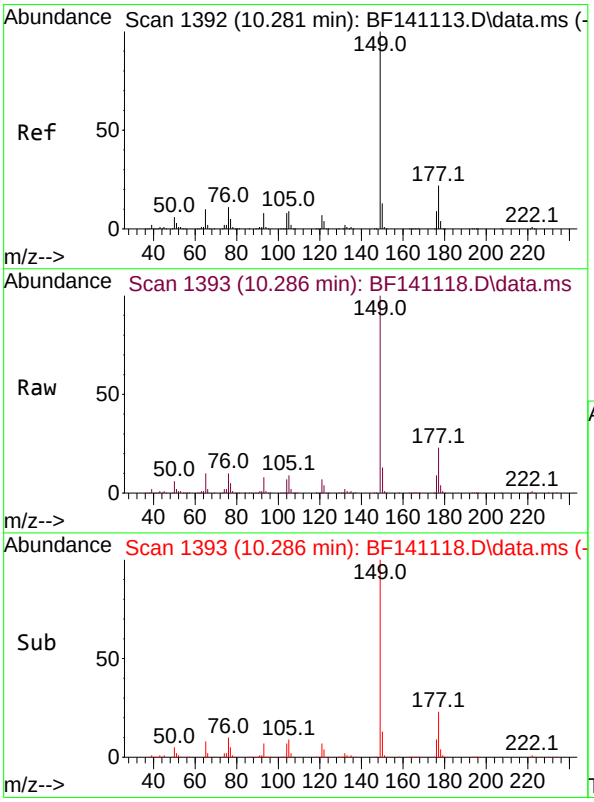
#59
2,3,4,6-Tetrachlorophenol
Concen: 59.450 ng
RT: 10.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:232 Resp: 324822

Ion	Ratio	Lower	Upper
232	100		
131	45.7	36.2	54.4
130	2.3	2.0	3.0
166	29.9	24.2	36.4

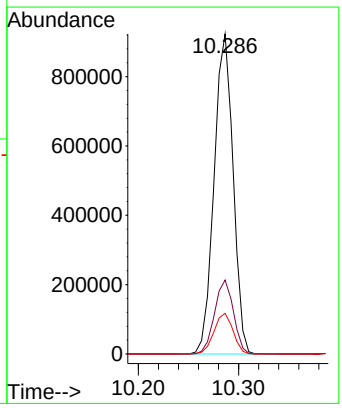


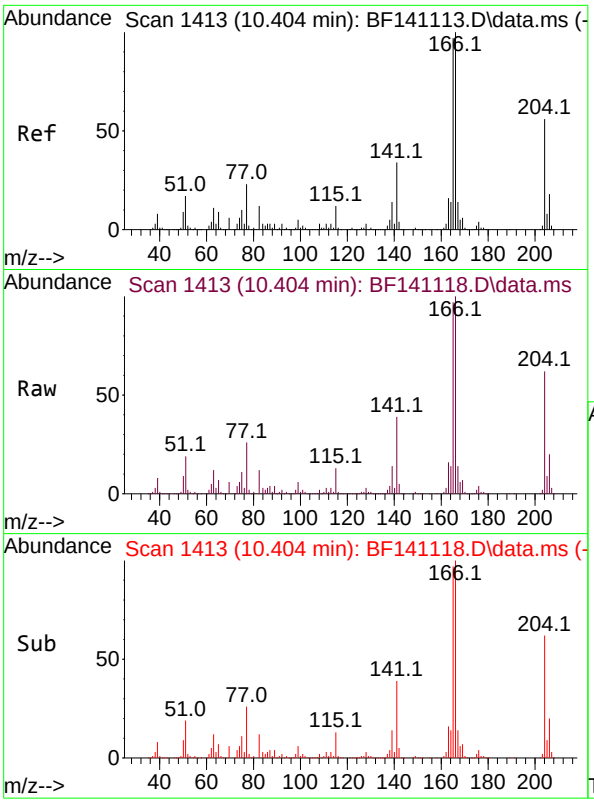


#60
Diethylphthalate
Concen: 57.521 ng
RT: 10.286 min Scan# 1393
Delta R.T. 0.006 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:149 Resp: 1212103

Ion	Ratio	Lower	Upper
149	100		
177	23.1	17.9	26.9
150	12.7	10.2	15.2



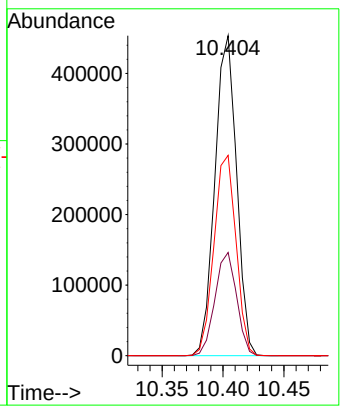


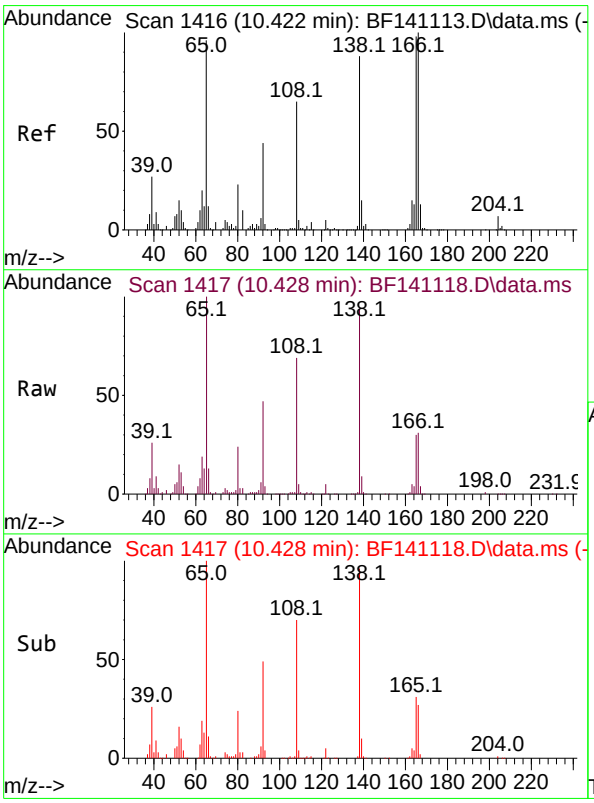
#61
4-Chlorophenyl-phenylether
Concen: 56.322 ng
RT: 10.404 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:204 Resp: 563117

Ion	Ratio	Lower	Upper
204	100		
206	32.2	25.9	38.9
141	62.6	49.1	73.7

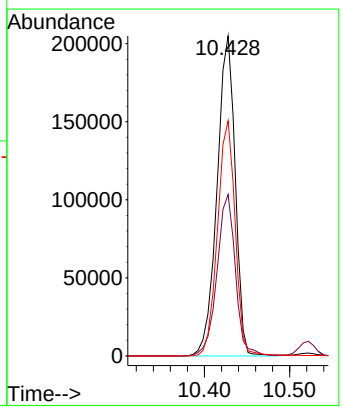


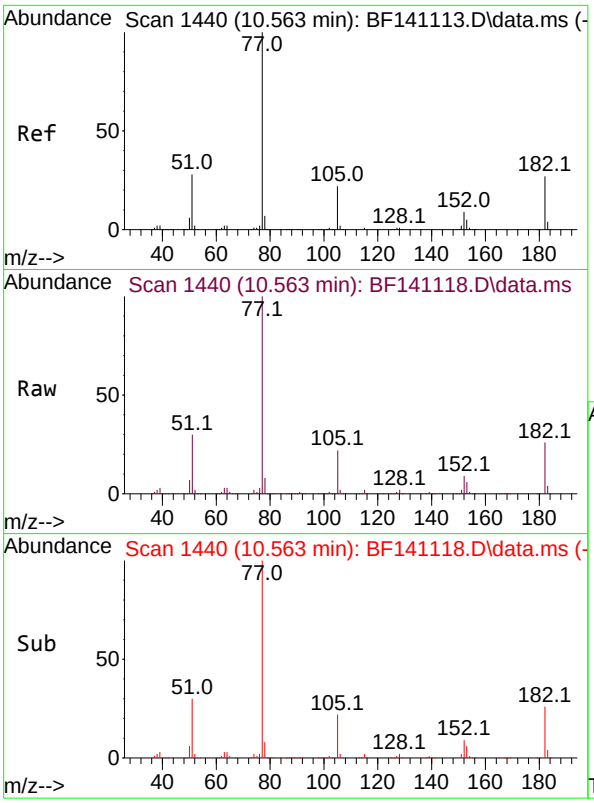


#62
4-Nitroaniline
Concen: 60.783 ng
RT: 10.428 min Scan# 1417
Delta R.T. 0.006 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:138 Resp: 303457

Ion	Ratio	Lower	Upper
138	100		
92	50.4	29.4	69.4
108	73.5	53.7	93.7



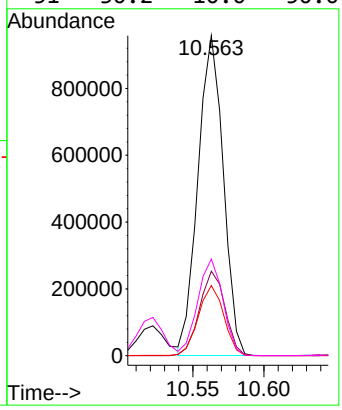


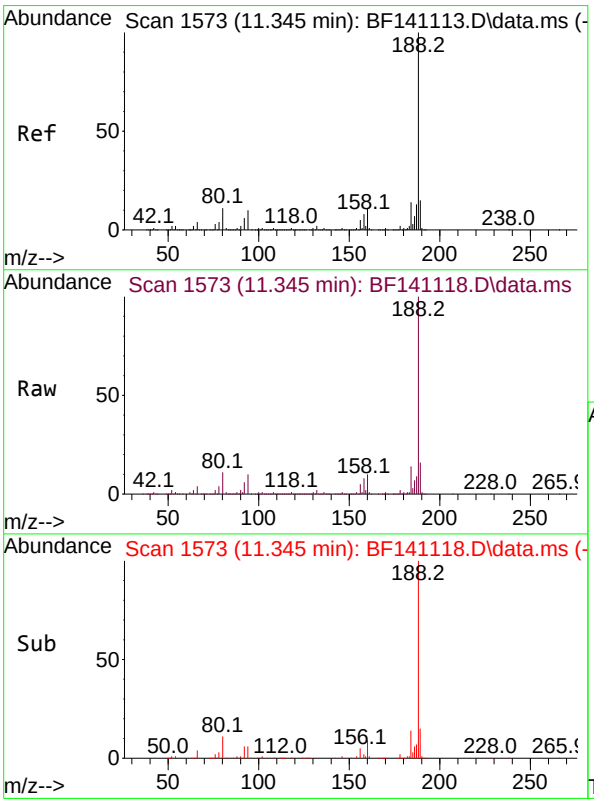
#63
Azobenzene
Concen: 57.188 ng
RT: 10.563 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 1189100

Ion	Ratio	Lower	Upper
77	100		
182	26.4	6.1	46.1
105	21.9	2.1	42.1
51	30.2	10.0	50.0

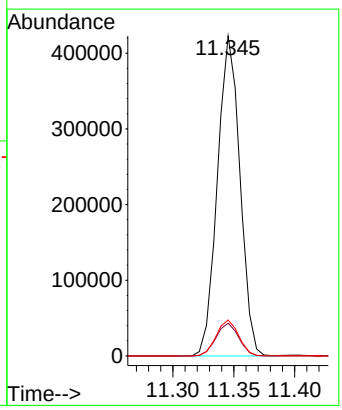


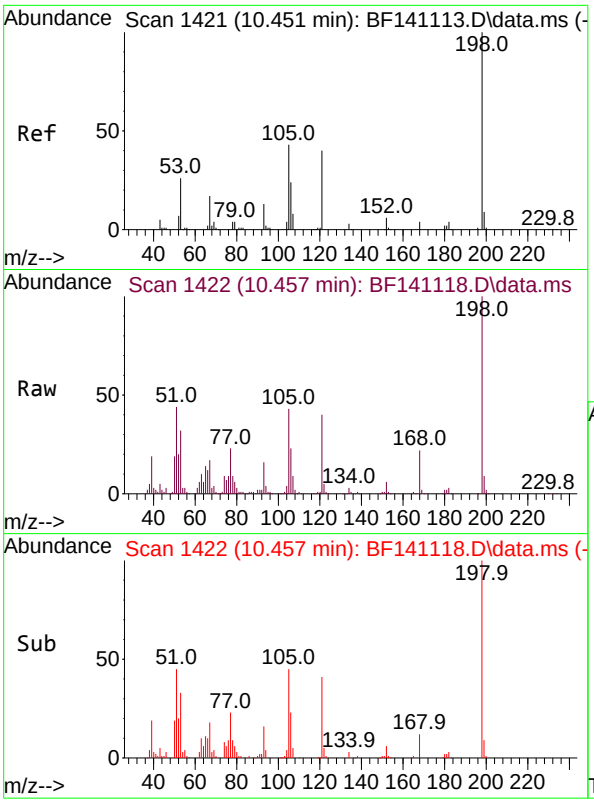


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:188 Resp: 544574

Ion	Ratio	Lower	Upper
188	100		
94	10.2	8.3	12.5
80	11.3	9.0	13.4



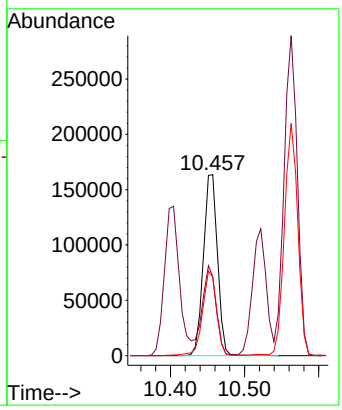


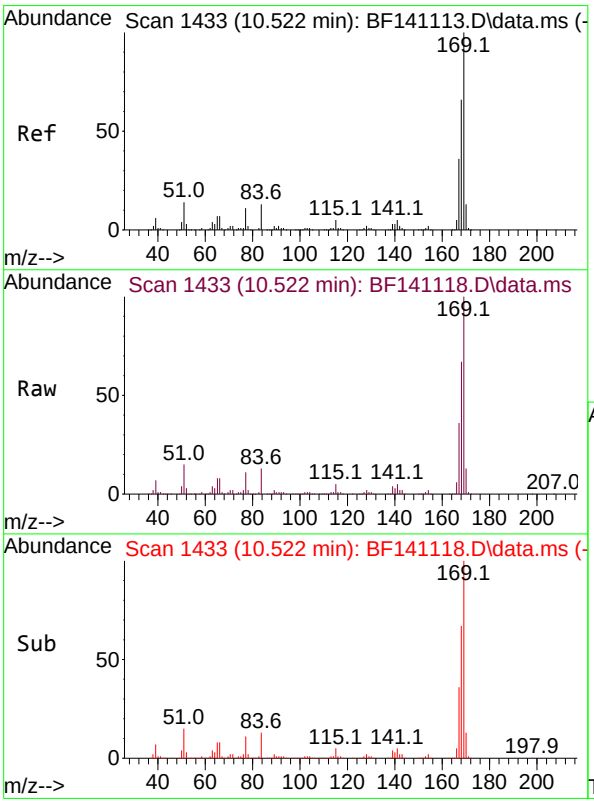
#65
4,6-Dinitro-2-methylphenol
Concen: 68.532 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:198 Resp: 216263

Ion	Ratio	Lower	Upper
198	100		
51	43.7	27.1	67.1
105	43.3	24.2	64.2

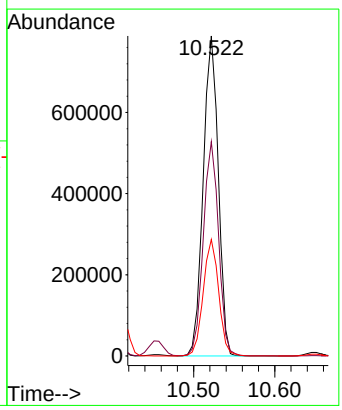


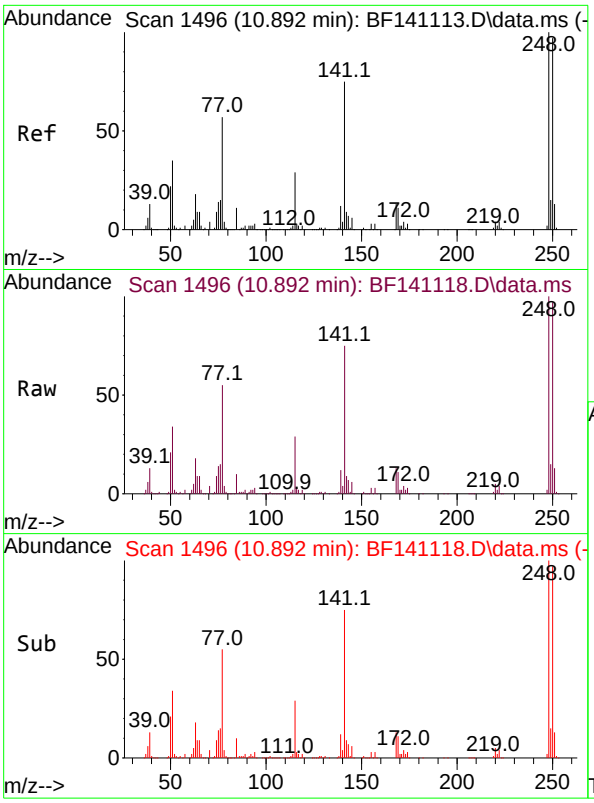


#66
n-Nitrosodiphenylamine
Concen: 57.856 ng
RT: 10.522 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:169 Resp: 1016238

Ion	Ratio	Lower	Upper
169	100		
168	67.0	52.5	78.7
167	36.4	28.9	43.3



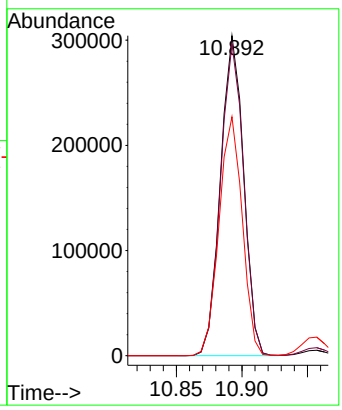


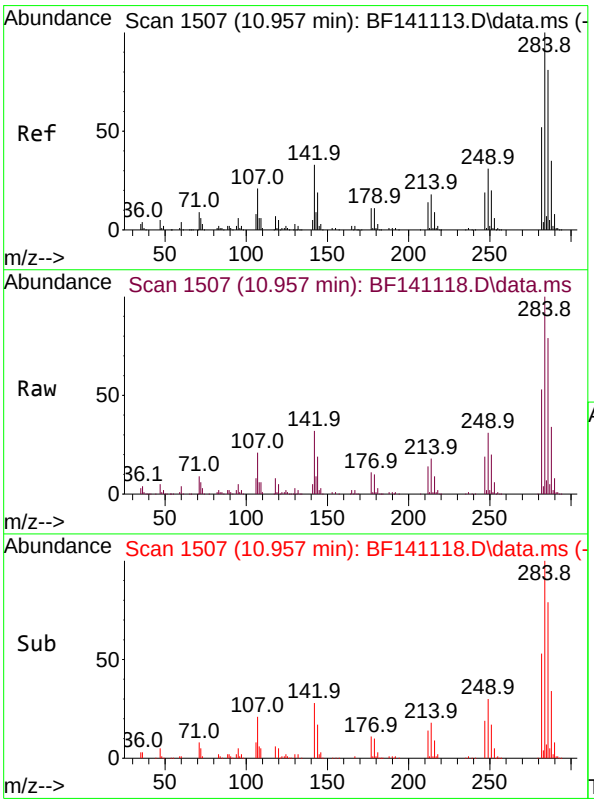
#67
4-Bromophenyl-phenylether
Concen: 59.581 ng
RT: 10.892 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:248 Resp: 373557

Ion	Ratio	Lower	Upper
248	100		
250	97.4	77.9	116.9
141	74.7	59.9	89.9

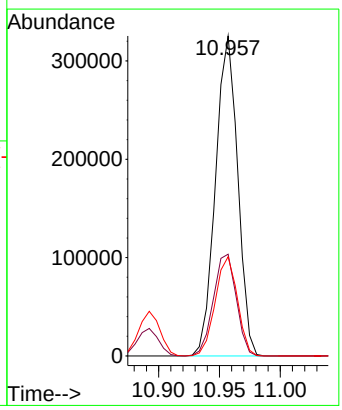


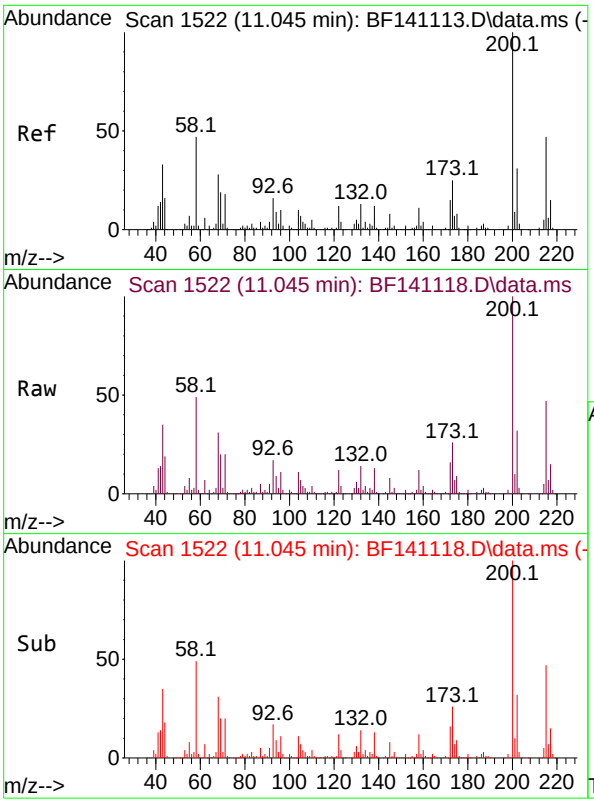


#68
Hexachlorobenzene
Concen: 59.066 ng
RT: 10.957 min Scan# 1507
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:284 Resp: 412239

Ion	Ratio	Lower	Upper
284	100		
142	31.8	26.3	39.5
249	31.0	24.9	37.3



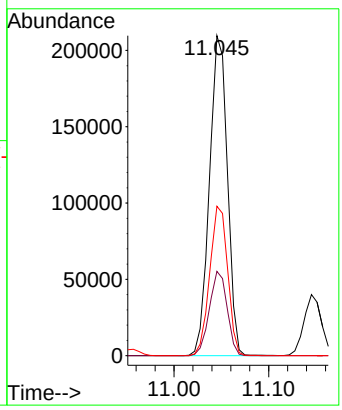


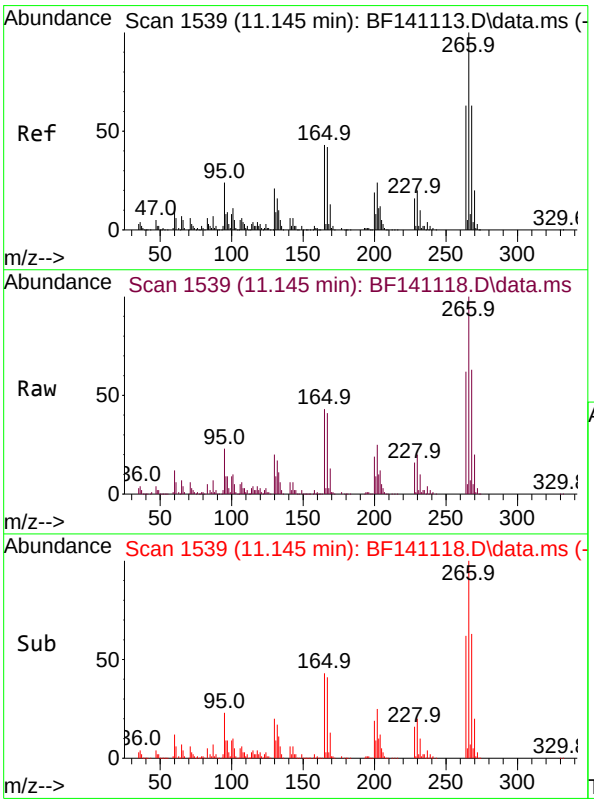
#69
Atrazine
Concen: 58.231 ng
RT: 11.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:200 Resp: 275405

Ion	Ratio	Lower	Upper
200	100		
173	26.4	5.4	45.4
215	46.7	26.6	66.6

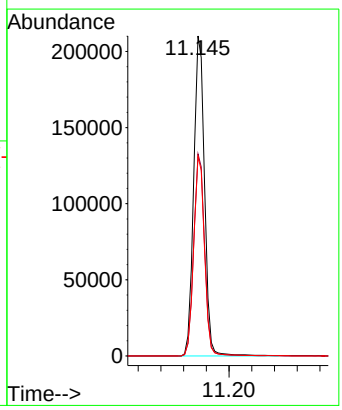


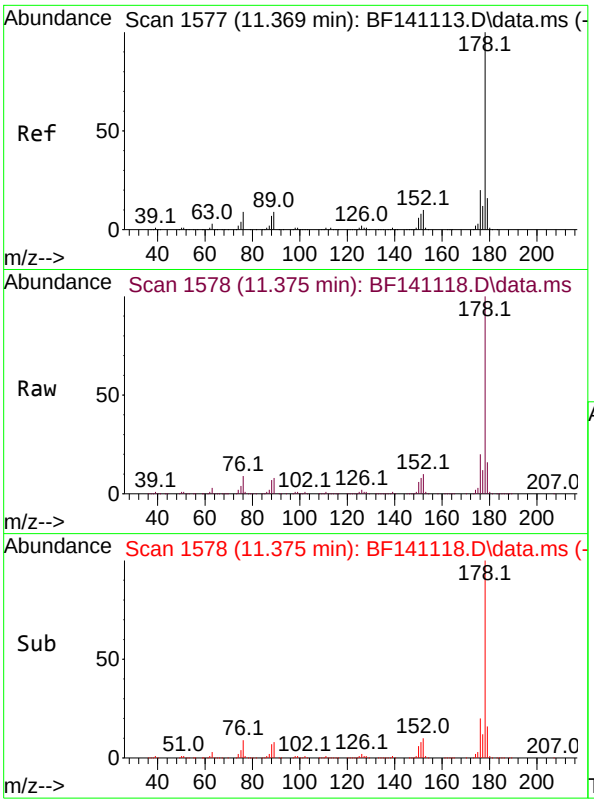


#70
Pentachlorophenol
Concen: 62.662 ng
RT: 11.145 min Scan# 1539
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:266 Resp: 280071

Ion	Ratio	Lower	Upper
266	100		
268	63.1	50.4	75.6
264	62.4	50.2	75.2



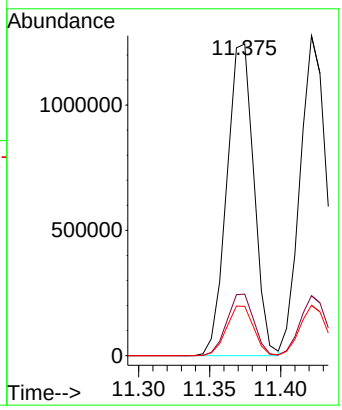


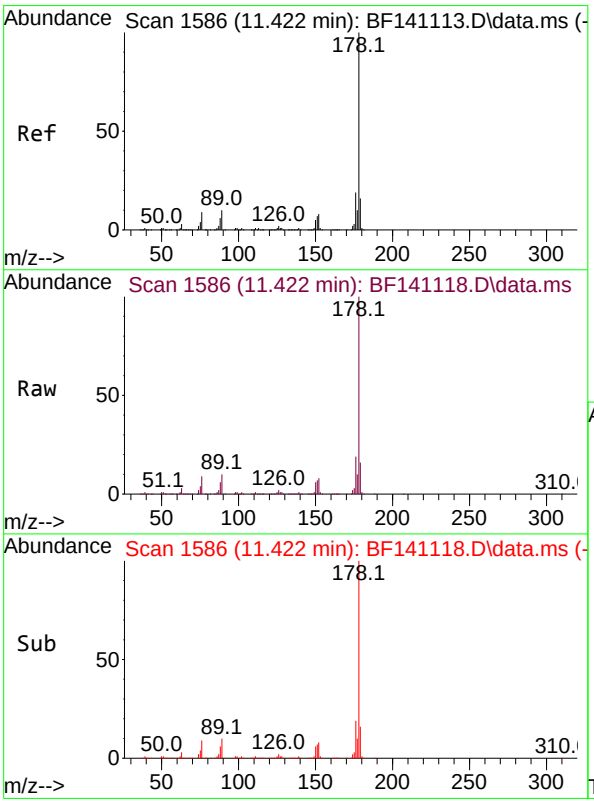
#71
Phenanthrene
Concen: 56.525 ng
RT: 11.375 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:178 Resp: 1652586

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.7	23.5
179	15.8	12.6	19.0

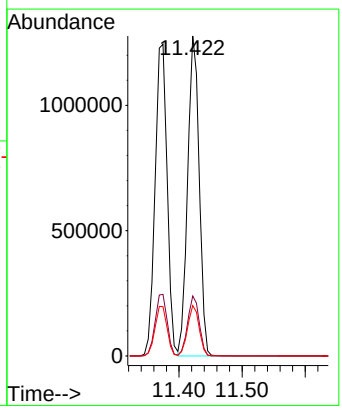


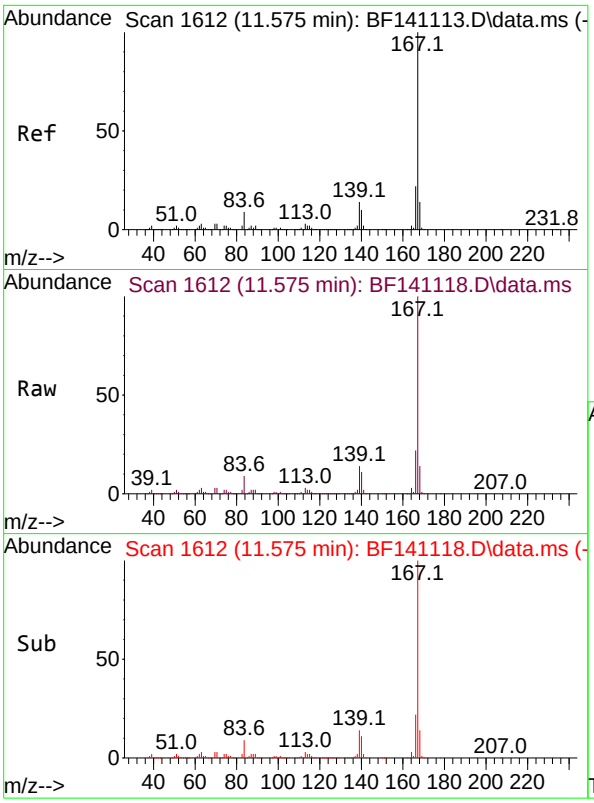


#72
Anthracene
Concen: 57.297 ng
RT: 11.422 min Scan# 1586
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:178 Resp: 1628828

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.9	22.3
179	15.7	12.6	19.0



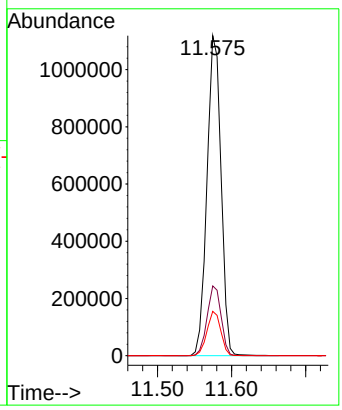


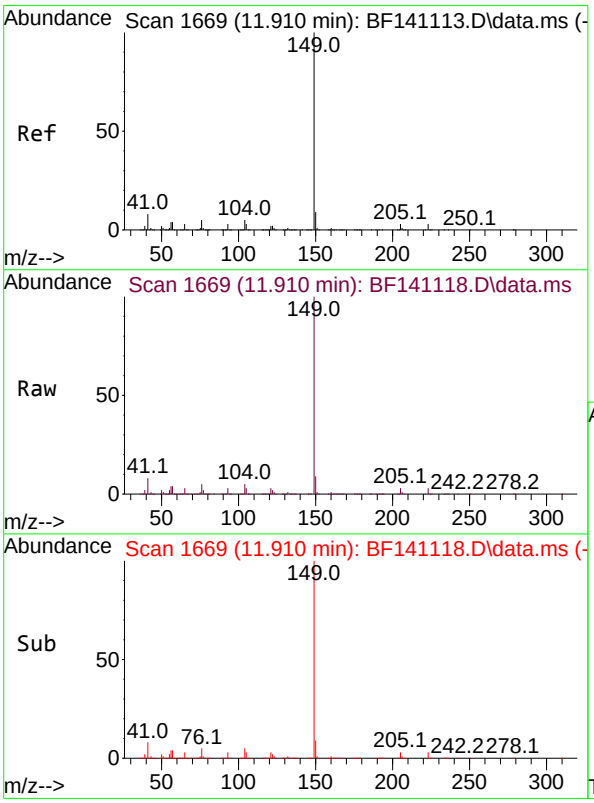
#73
Carbazole
Concen: 56.440 ng
RT: 11.575 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:167 Resp: 1471188

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.4	26.2
139	13.8	10.9	16.3

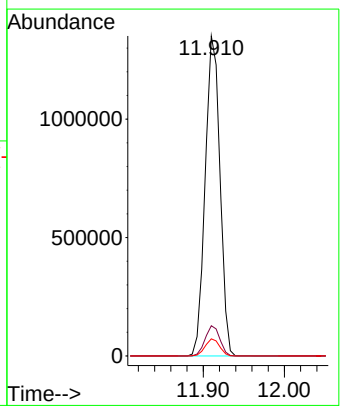


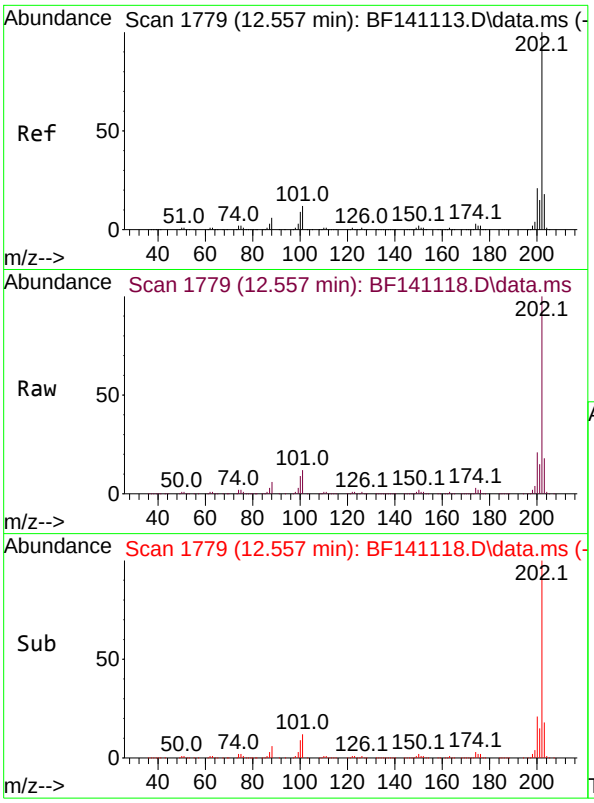


#74
Di-n-butylphthalate
Concen: 57.105 ng
RT: 11.910 min Scan# 1669
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:149 Resp: 1703503

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.4	11.2
104	5.4	4.2	6.2



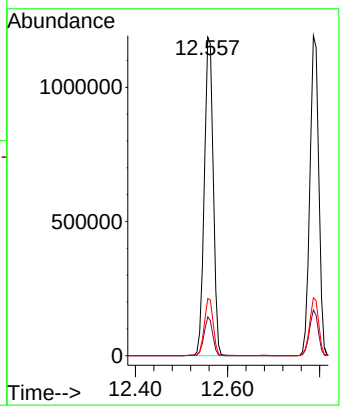


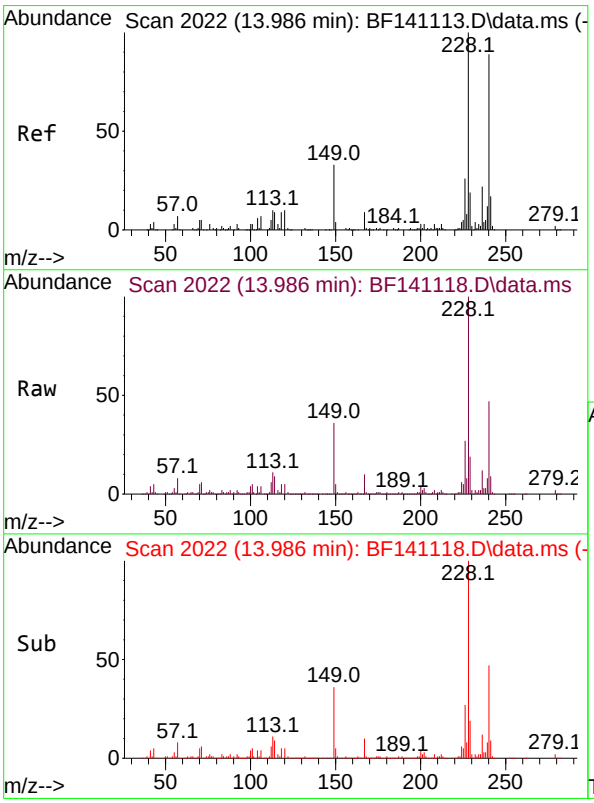
#75
Fluoranthene
Concen: 55.261 ng
RT: 12.557 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:202 Resp: 1612262

Ion	Ratio	Lower	Upper
202	100		
101	12.2	0.0	32.3
203	18.0	0.0	37.7

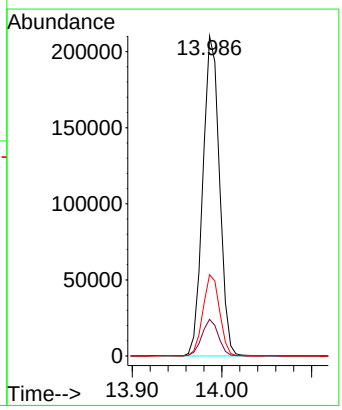


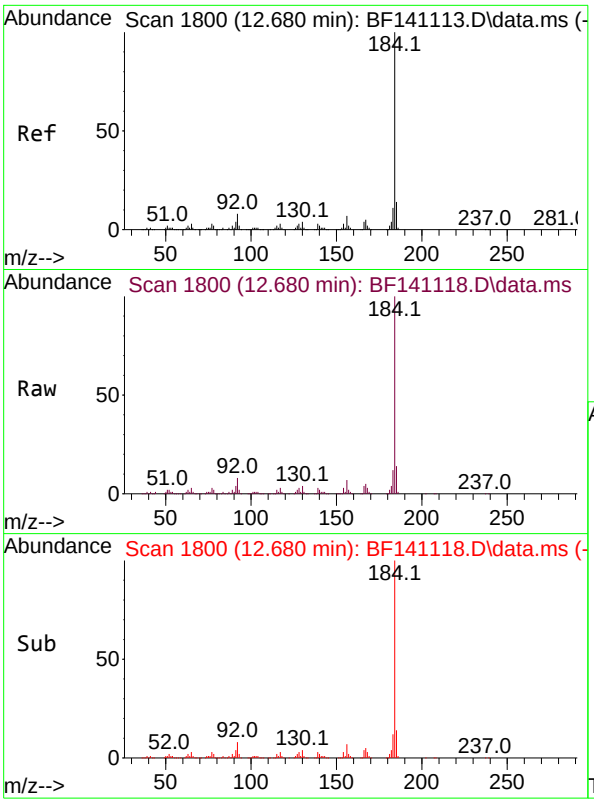


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:240 Resp: 270448

Ion	Ratio	Lower	Upper
240	100		
120	11.4	9.1	13.7
236	25.4	19.8	29.6



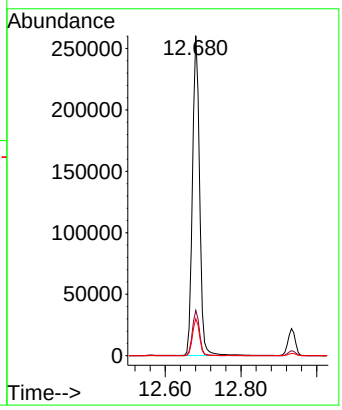


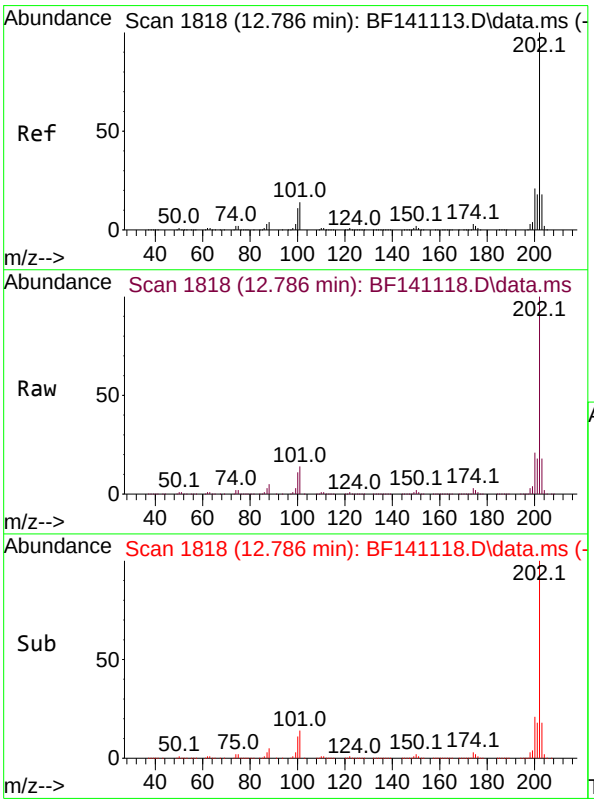
#77
Benzidine
Concen: 67.645 ng
RT: 12.680 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:184 Resp: 339258

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.4	17.0
183	11.6	9.2	13.8

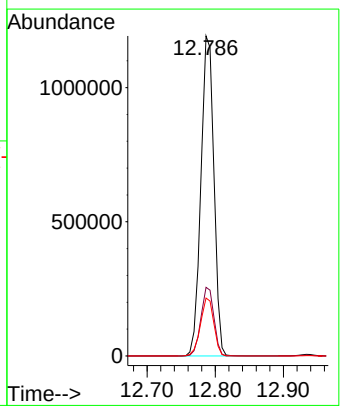


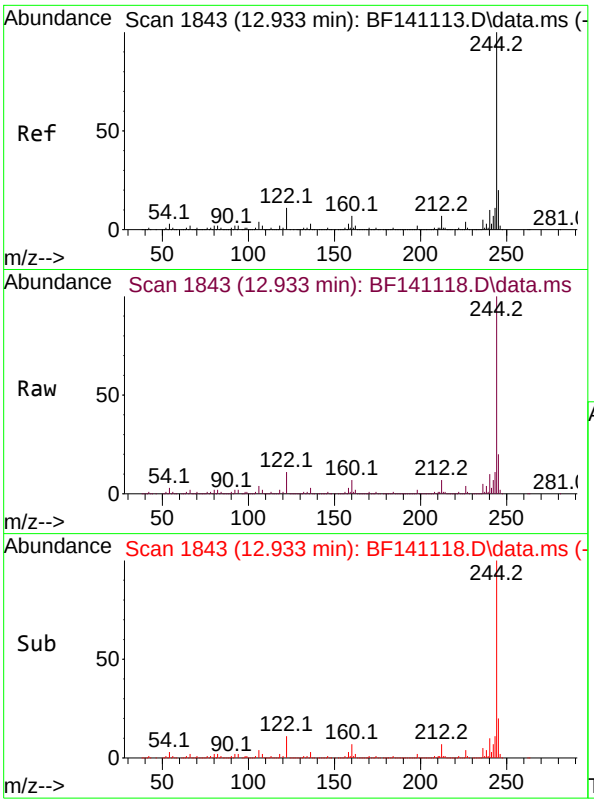


#78
Pyrene
Concen: 61.407 ng
RT: 12.786 min Scan# 1818
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:202 Resp: 1586225

Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.8	25.2
203	18.1	14.3	21.5



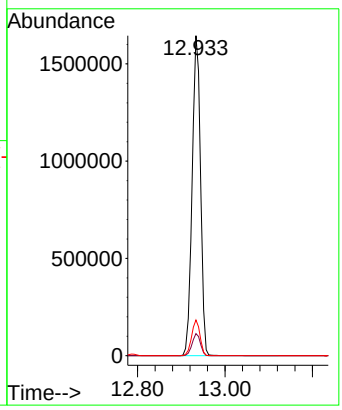


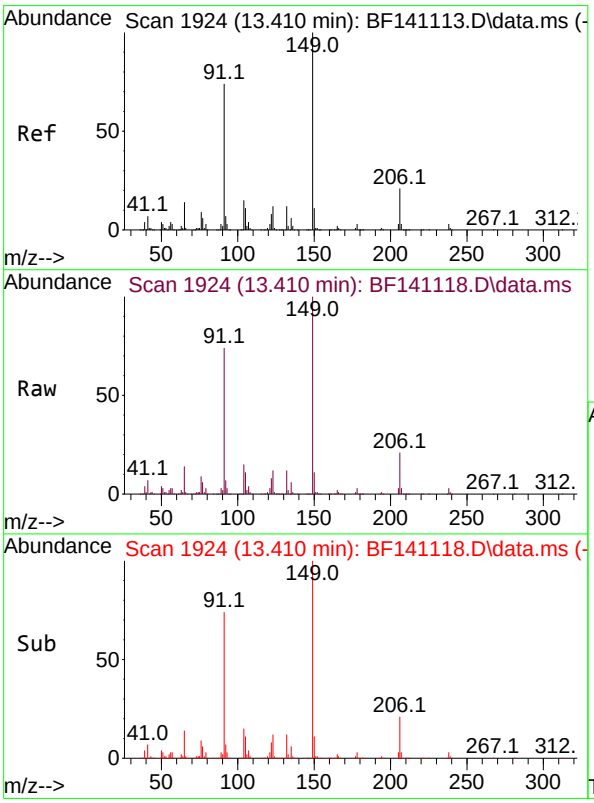
#79
Terphenyl-d14
Concen: 120.552 ng
RT: 12.933 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:244 Resp: 2193567

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.2
122	11.2	8.8	13.2

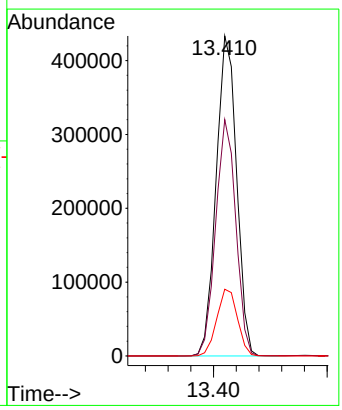


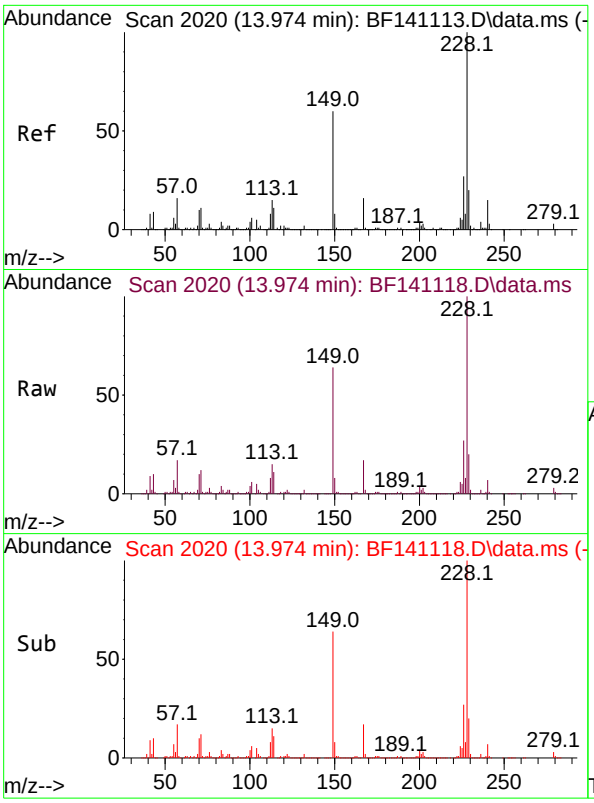


#80
Butylbenzylphthalate
Concen: 62.995 ng
RT: 13.410 min Scan# 1924
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:149 Resp: 542533

Ion	Ratio	Lower	Upper
149	100		
91	73.9	59.0	88.6
206	20.9	16.5	24.7



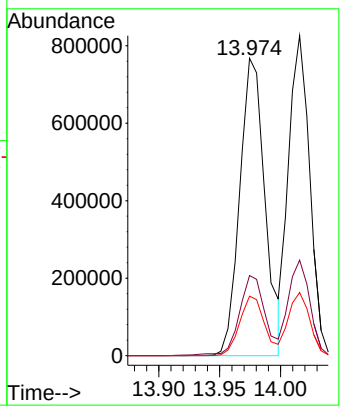


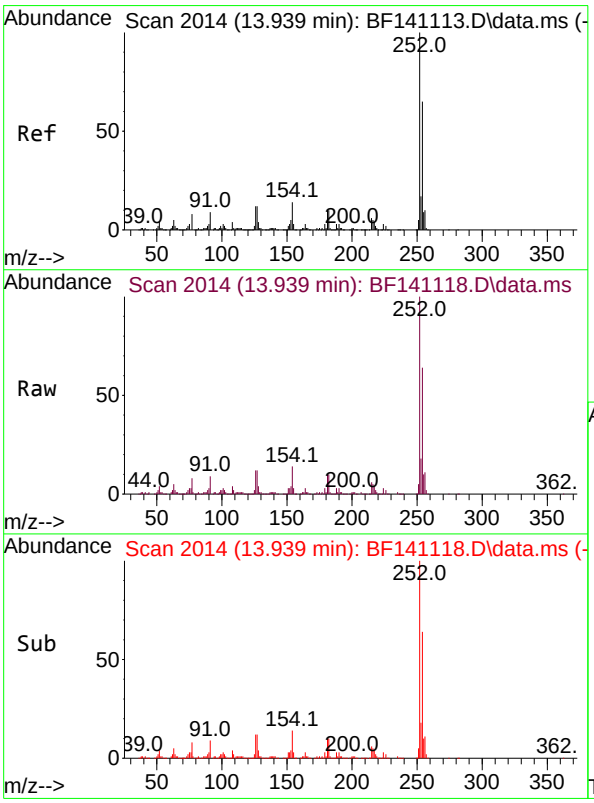
#81
Benzo(a)anthracene
Concen: 60.261 ng
RT: 13.974 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 1109142

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.7	32.5
229	20.0	15.7	23.5

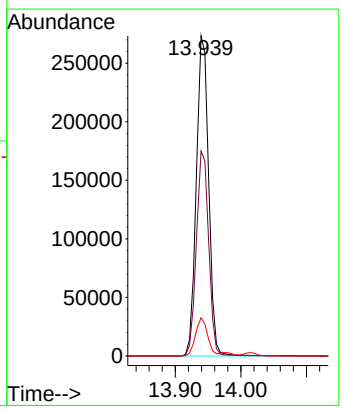


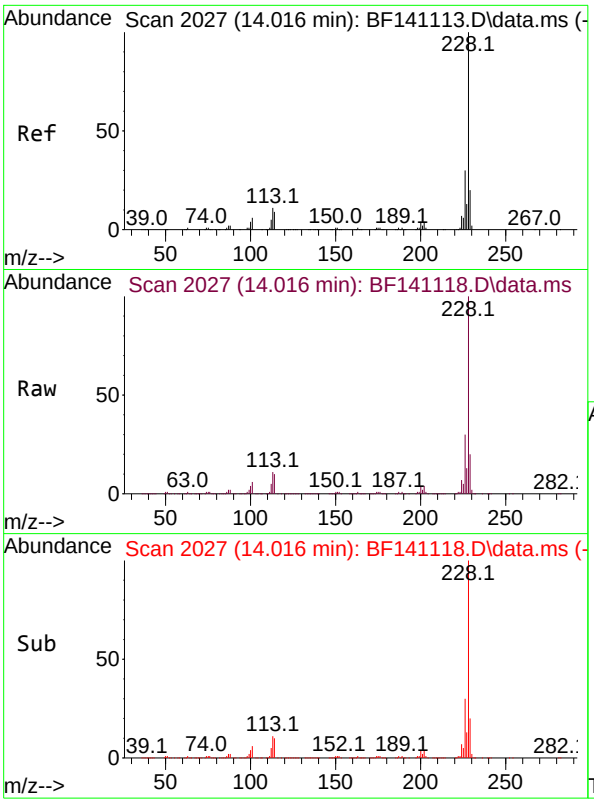


#82
3,3'-Dichlorobenzidine
Concen: 61.050 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:252 Resp: 357792

Ion	Ratio	Lower	Upper
252	100		
254	64.1	52.0	78.0
126	12.0	9.4	14.0



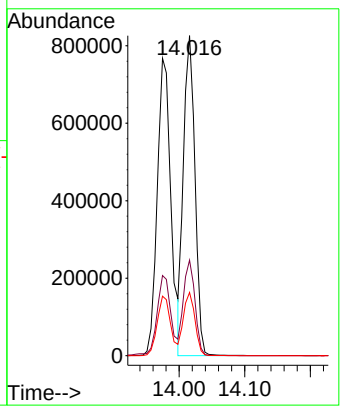


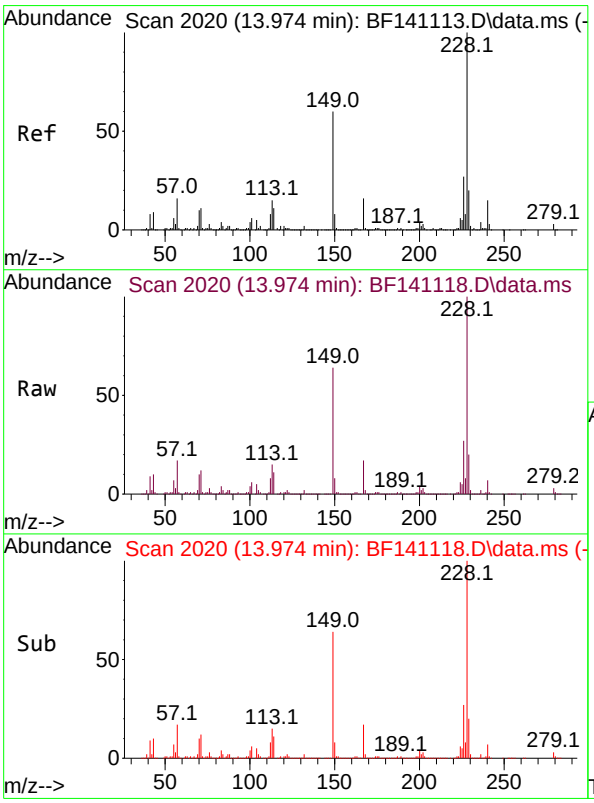
#83
Chrysene
Concen: 58.332 ng
RT: 14.016 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 1004586

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.8	35.8
229	19.8	15.8	23.8

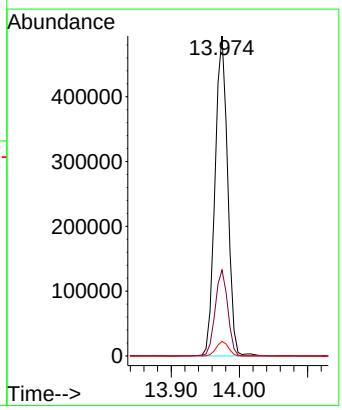


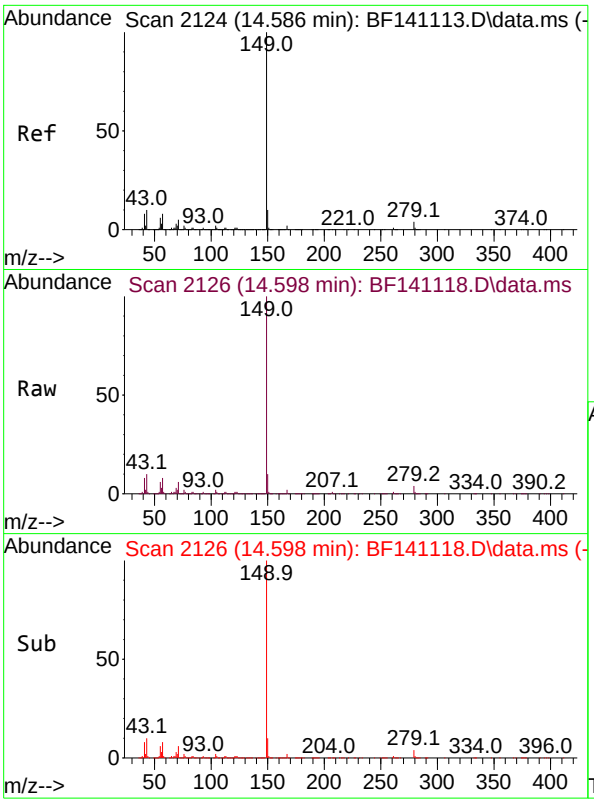


#84
Bis(2-ethylhexyl)phthalate
Concen: 61.496 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:149 Resp: 635471

Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.4	32.2
279	4.5	3.4	5.2



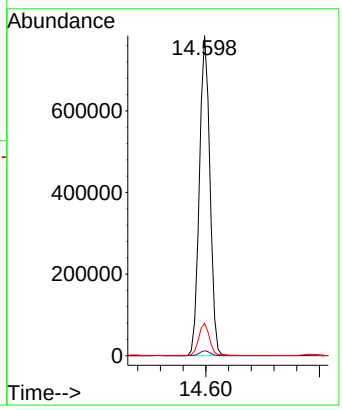


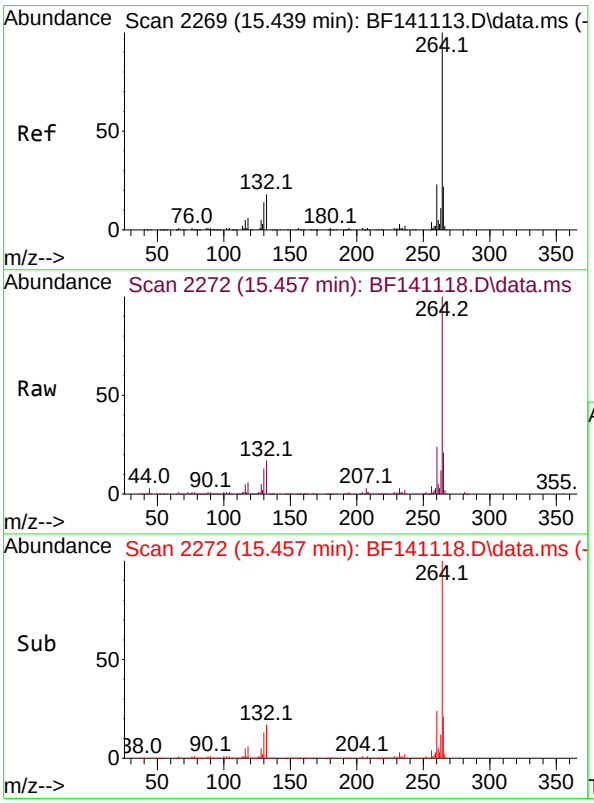
#85
Di-n-octyl phthalate
Concen: 64.657 ng
RT: 14.598 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 1008931

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	10.3	8.4	12.6

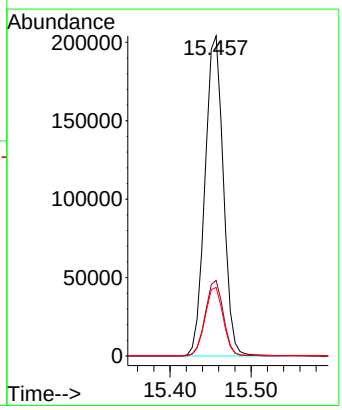


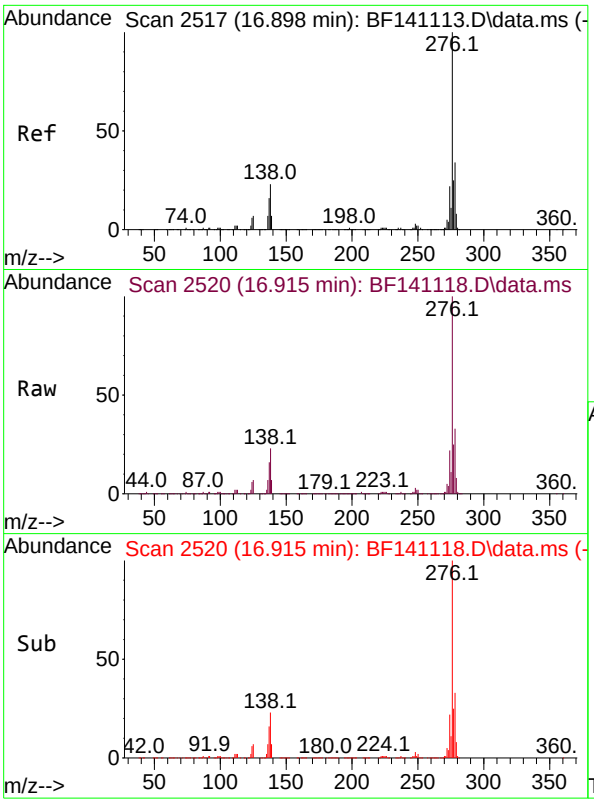


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 2272
Delta R.T. 0.018 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:264 Resp: 319464

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	28.0
265	21.4	17.4	26.0



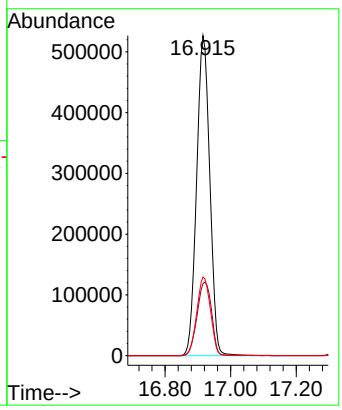


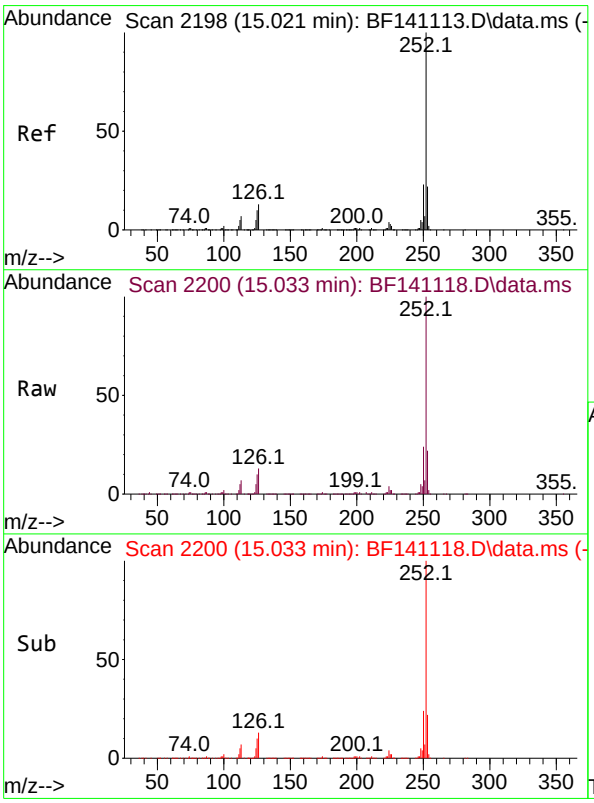
#87
Indeno(1,2,3-cd)pyrene
Concen: 63.034 ng
RT: 16.915 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:276 Resp: 1475298

Ion	Ratio	Lower	Upper
276	100		
138	25.3	20.7	31.1
277	25.5	20.6	30.8

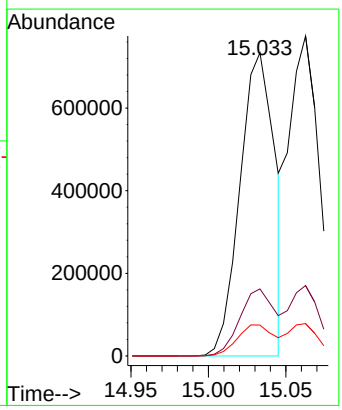


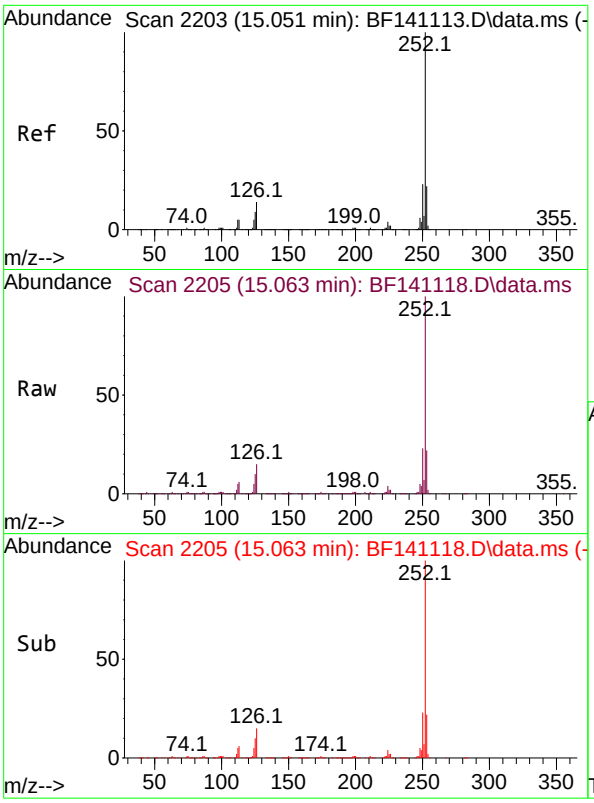


#88
Benzo(b)fluoranthene
Concen: 55.395 ng
RT: 15.033 min Scan# 2200
Delta R.T. 0.012 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:252 Resp: 1141152

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.6
125	10.2	8.1	12.1



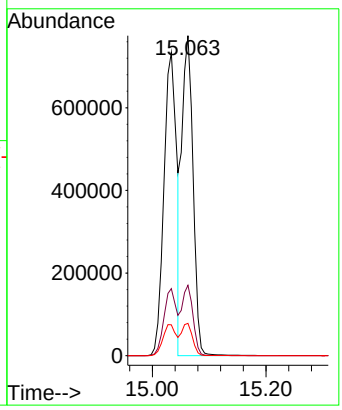


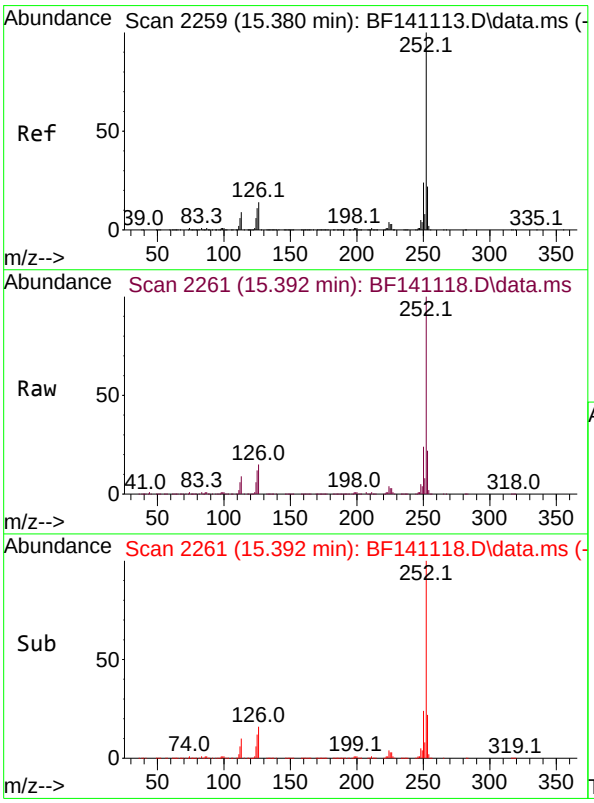
#89
Benzo(k)fluoranthene
Concen: 60.741 ng
RT: 15.063 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 1057429

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.8
125	10.1	7.9	11.9

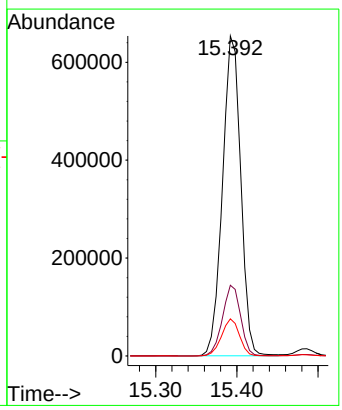


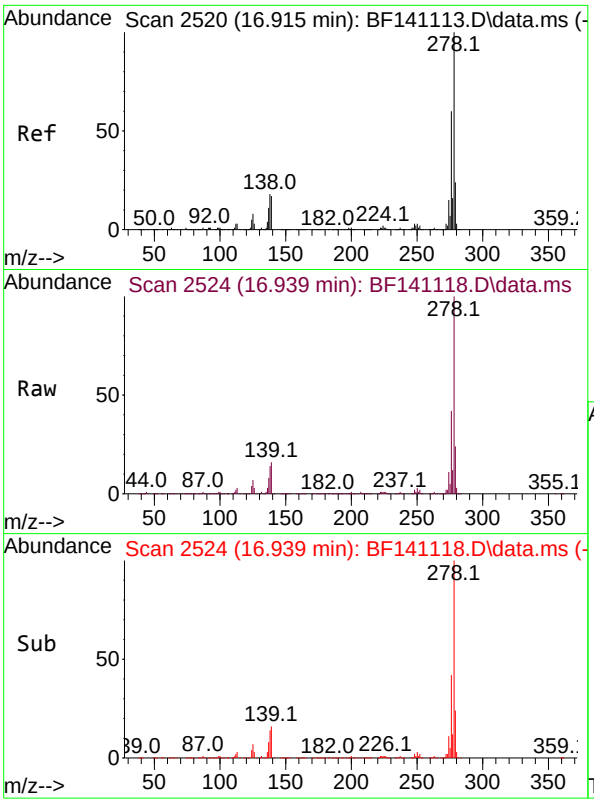


#90
Benzo(a)pyrene
Concen: 60.139 ng
RT: 15.392 min Scan# 2261
Delta R.T. 0.012 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:252 Resp: 1022132

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	11.6	9.1	13.7



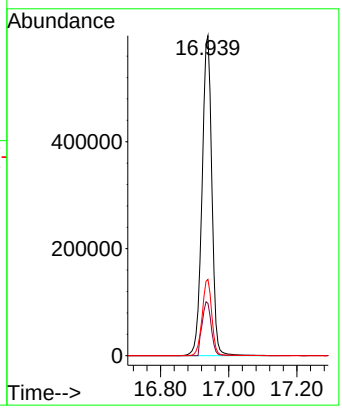


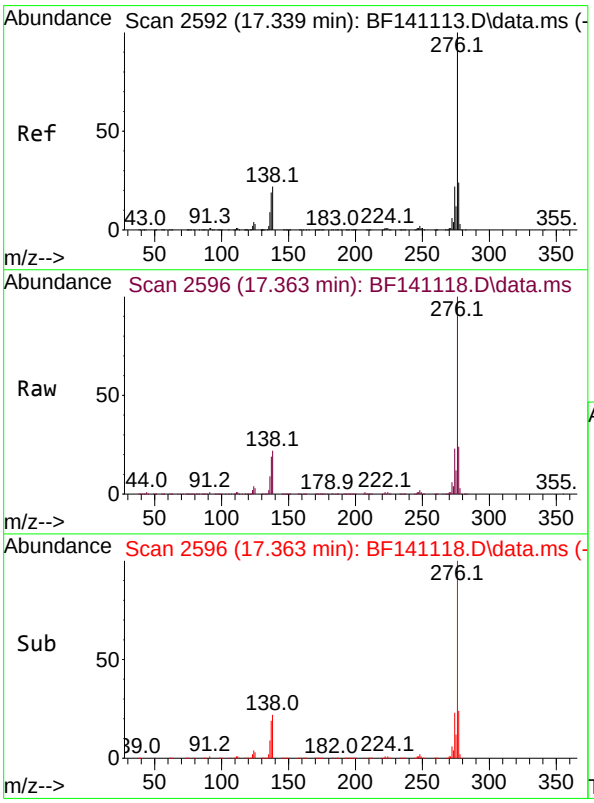
#91
Dibenzo(a,h)anthracene
Concen: 63.146 ng
RT: 16.939 min Scan# 2
Delta R.T. 0.024 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:278 Resp: 1195359

Ion	Ratio	Lower	Upper
278	100		
139	16.4	13.8	20.6
279	23.9	19.1	28.7

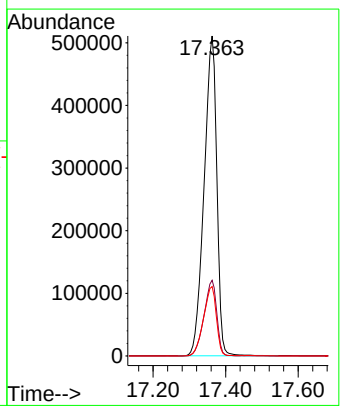




#92
Benzo(g,h,i)perylene
Concen: 63.068 ng
RT: 17.363 min Scan# 2596
Delta R.T. 0.024 min
Lab File: BF141118.D
Acq: 10 Jan 2025 17:19

Tgt Ion:276 Resp: 1241806

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.0	28.4
138	21.7	17.4	26.2



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141119.D
Acq On : 10 Jan 2025 17:45
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jan 10 22:24:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:16:11 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.822	152	172282	20.000	ng		0.00
21) Naphthalene-d8	8.104	136	648826	20.000	ng		0.00
39) Acenaphthene-d10	9.863	164	342460	20.000	ng		0.00
64) Phenanthrene-d10	11.345	188	584387	20.000	ng		0.00
76) Chrysene-d12	13.992	240	310879	20.000	ng		0.00
86) Perylene-d12	15.451	264	395988	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.428	112	1544552	138.495	ng		0.00
7) Phenol-d6	6.457	99	2004230	141.874	ng		0.01
23) Nitrobenzene-d5	7.392	82	1813409	148.154	ng		0.00
42) 2,4,6-Tribromophenol	10.651	330	601438	154.132	ng		0.00
45) 2-Fluorobiphenyl	9.186	172	2997639	133.666	ng		0.00
79) Terphenyl-d14	12.933	244	2895506	138.433	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.540	88	361586	72.808	ng		100
3) Pyridine	3.287	79	855609	70.255	ng		99
4) n-Nitrosodimethylamine	3.252	42	443709	74.512	ng		99
6) Aniline	6.487	93	842164m	67.145	ng		
8) 2-Chlorophenol	6.610	128	844417	70.573	ng		99
10) Phenol	6.469	94	1067075	70.563	ng		93
11) bis(2-Chloroethyl)ether	6.563	93	811905	72.042	ng		98
12) 1,3-Dichlorobenzene	6.763	146	945224	70.831	ng		99
13) 1,4-Dichlorobenzene	6.840	146	944179	70.211	ng		99
14) 1,2-Dichlorobenzene	6.998	146	854029	68.083	ng		98
15) Benzyl Alcohol	6.969	79	722113	70.781	ng		100
16) 2,2'-oxybis(1-Chloropr...	7.098	45	1129914	71.848	ng		98
17) 2-Methylphenol	7.075	107	707657	73.257	ng		99
18) Hexachloroethane	7.334	117	349146	71.795	ng		98
19) n-Nitroso-di-n-propyla...	7.245	70	588783	70.753	ng		98
20) 3+4-Methylphenols	7.234	107	813265	66.732	ng	#	83
22) Acetophenone	7.239	105	1083059	70.218	ng	#	98
24) Nitrobenzene	7.410	77	943483	73.960	ng		99
25) Isophorone	7.651	82	1571424	75.124	ng		99
26) 2-Nitrophenol	7.722	139	463267	79.834	ng		98
27) 2,4-Dimethylphenol	7.757	122	594544	75.959	ng		98
28) bis(2-Chloroethoxy)met...	7.857	93	977334	74.449	ng		100
29) 2,4-Dichlorophenol	7.963	162	689420	74.162	ng		100
30) 1,2,4-Trichlorobenzene	8.045	180	776721	73.098	ng		100
31) Naphthalene	8.128	128	2411578	70.480	ng		99
32) Benzoic acid	7.898	122	648810	86.411	ng		98
33) 4-Chloroaniline	8.187	127	860135	72.688	ng		100
34) Hexachlorobutadiene	8.245	225	467194	72.969	ng		99
35) Caprolactam	8.569	113	236127	77.436	ng		98
36) 4-Chloro-3-methylphenol	8.657	107	760692	74.822	ng		99
37) 2-Methylnaphthalene	8.816	142	1544153	70.820	ng		99
38) 1-Methylnaphthalene	8.916	142	1507881	70.172	ng		99
40) 1,2,4,5-Tetrachloroben...	8.986	216	712407	72.478	ng		100
41) Hexachlorocyclopentadiene	8.969	237	249944	77.724	ng		100
43) 2,4,6-Trichlorophenol	9.092	196	516551	77.920	ng		98
44) 2,4,5-Trichlorophenol	9.133	196	516966	73.839	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141119.D
Acq On : 10 Jan 2025 17:45
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

Quant Time: Jan 10 22:24:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:16:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.286	154	1854615	69.734	ng	99
47) 2-Chloronaphthalene	9.310	162	1478014	71.352	ng	99
48) 2-Nitroaniline	9.404	65	475269	77.400	ng	98
49) Acenaphthylene	9.728	152	2110029	71.297	ng	99
50) Dimethylphthalate	9.592	163	1688321	73.435	ng	100
51) 2,6-Dinitrotoluene	9.651	165	403325	75.439	ng	98
52) Acenaphthene	9.898	154	1487806	71.956	ng	99
53) 3-Nitroaniline	9.816	138	404031	74.366	ng	100
54) 2,4-Dinitrophenol	9.922	184	233623	91.933	ng	96
55) Dibenzofuran	10.069	168	1972541	70.137	ng	99
56) 4-Nitrophenol	9.969	139	339082	79.690	ng	98
57) 2,4-Dinitrotoluene	10.051	165	533647	77.452	ng	98
58) Fluorene	10.410	166	1493903	68.372	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.186	232	428499	73.631	ng	99
60) Diethylphthalate	10.286	149	1624226	72.366	ng	99
61) 4-Chlorophenyl-phenyle...	10.404	204	739051	69.400	ng	98
62) 4-Nitroaniline	10.433	138	404093	75.992	ng	97
63) Azobenzene	10.563	77	1597886	72.150	ng	99
65) 4,6-Dinitro-2-methylph...	10.457	198	299726	88.510	ng	98
66) n-Nitrosodiphenylamine	10.522	169	1340718	71.129	ng	99
67) 4-Bromophenyl-phenylether	10.892	248	502690	74.715	ng	100
68) Hexachlorobenzene	10.957	284	557705	74.464	ng	100
69) Atrazine	11.051	200	322778	63.598	ng	100
70) Pentachlorophenol	11.151	266	373762	77.927	ng	99
71) Phenanthrene	11.375	178	2186474	69.691	ng	100
72) Anthracene	11.427	178	2122167	69.565	ng	99
73) Carbazole	11.580	167	1946776	69.597	ng	99
74) Di-n-butylphthalate	11.910	149	2240405	69.986	ng	99
75) Fluoranthene	12.563	202	2156966	68.895	ng	99
77) Benzidine	12.680	184	535121	92.821	ng	99
78) Pyrene	12.792	202	2138910	72.034	ng	99
80) Butylbenzylphthalate	13.410	149	775127	78.297	ng	99
81) Benzo(a)anthracene	13.980	228	1574387	74.414	ng	99
82) 3,3'-Dichlorobenzidine	13.945	252	557682	82.781	ng	100
83) Chrysene	14.016	228	1492065	75.370	ng	99
84) Bis(2-ethylhexyl)phtha...	13.974	149	885991	74.589	ng	99
85) Di-n-octyl phthalate	14.598	149	1604851	89.471	ng	100
87) Indeno(1,2,3-cd)pyrene	16.921	276	2176761	75.032	ng	100
88) Benzo(b)fluoranthene	15.033	252	1830448	71.685	ng	100
89) Benzo(k)fluoranthene	15.063	252	1701343	78.843	ng	99
90) Benzo(a)pyrene	15.398	252	1594959	75.707	ng	100
91) Dibenzo(a,h)anthracene	16.945	278	1723136	73.436	ng	99
92) Benzo(g,h,i)perylene	17.368	276	1664293	68.190	ng	99

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

ICAL Form

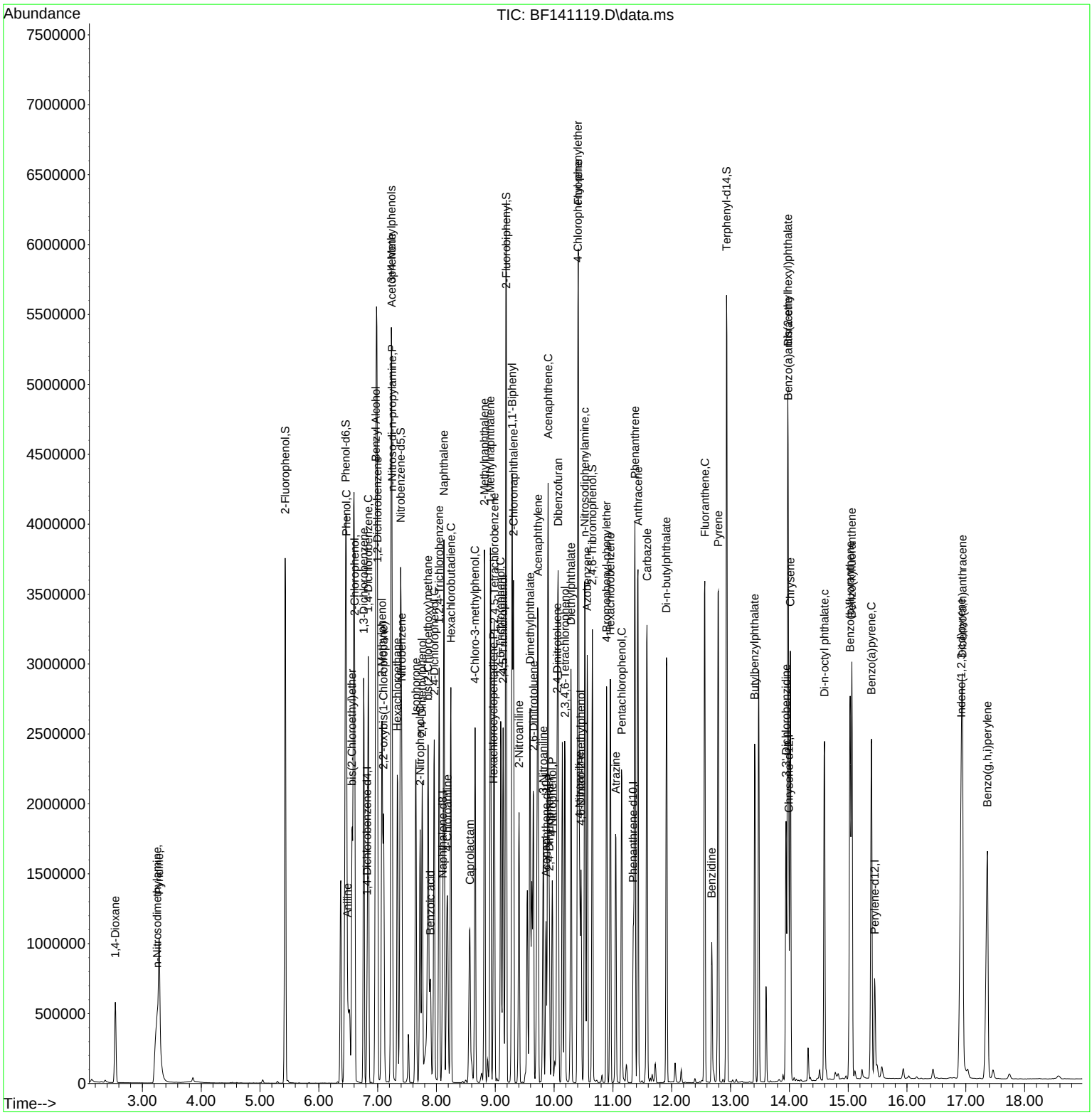
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141119.D
Acq On : 10 Jan 2025 17:45
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 12 Sample Multiplier: 1

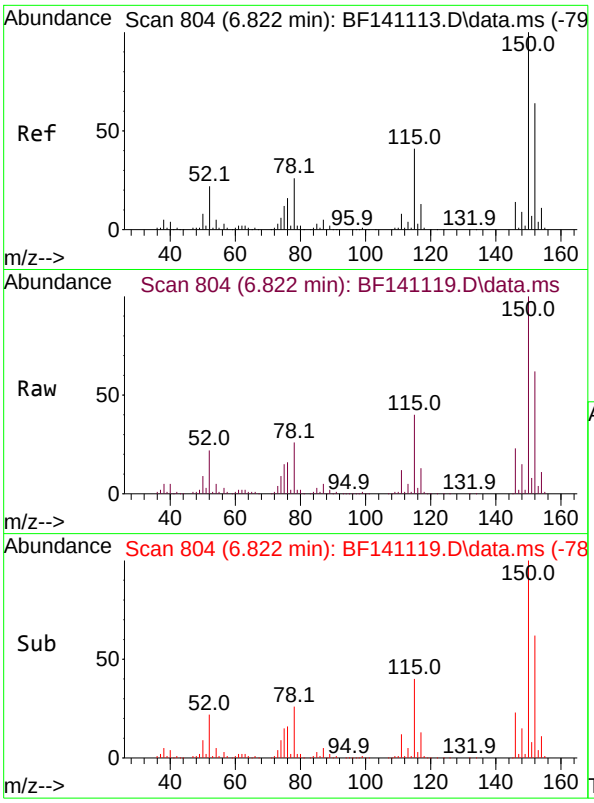
Quant Time: Jan 10 22:24:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:16:11 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

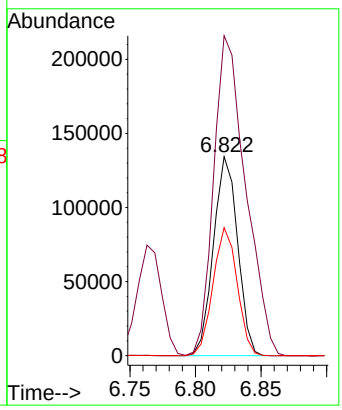




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:152 Resp: 17228

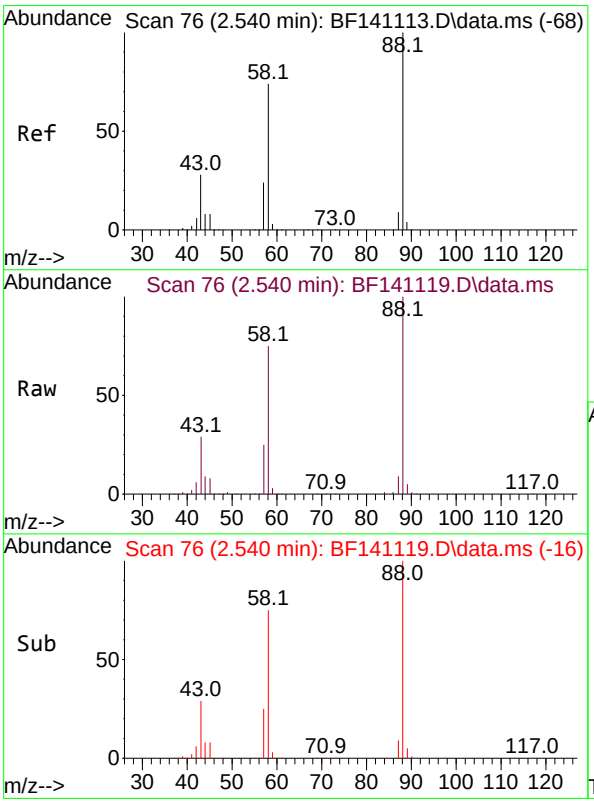
Ion	Ratio	Lower	Upper
152	100		
150	160.7	125.8	188.8
115	64.3	51.4	77.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

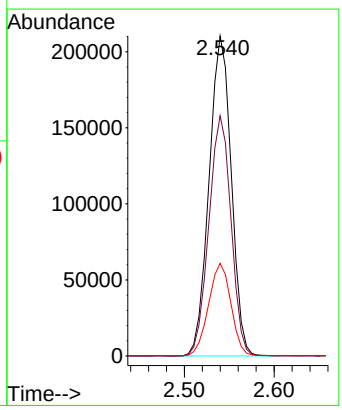
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

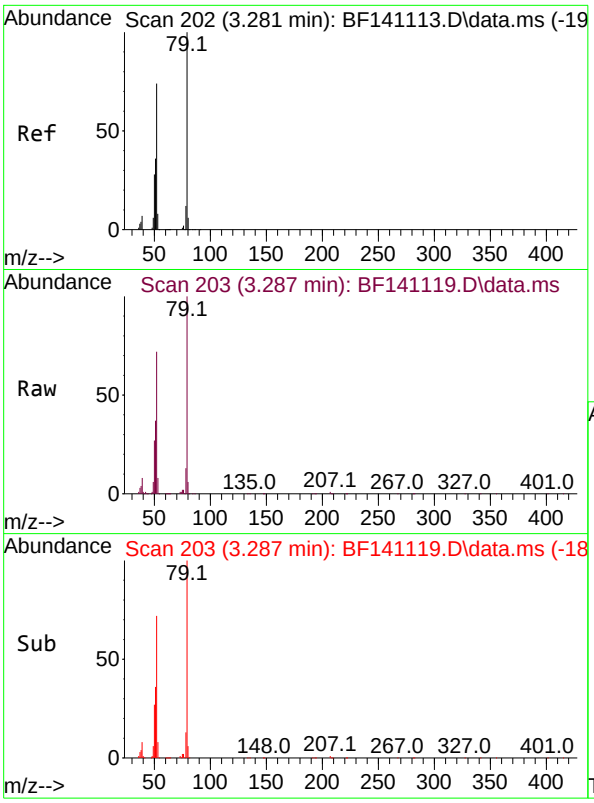


#2
1,4-Dioxane
Concen: 72.808 ng
RT: 2.540 min Scan# 76
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion: 88 Resp: 361586

Ion	Ratio	Lower	Upper
88	100		
58	74.8	60.1	90.1
43	29.1	23.1	34.7

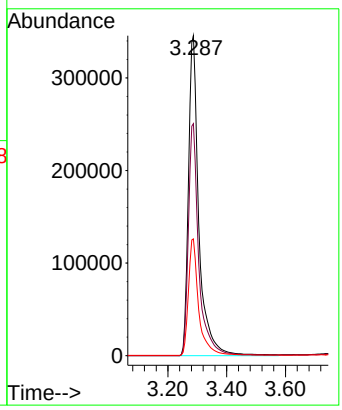




#3
Pyridine
Concen: 70.255 ng
RT: 3.287 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion: 79 Resp: 85560

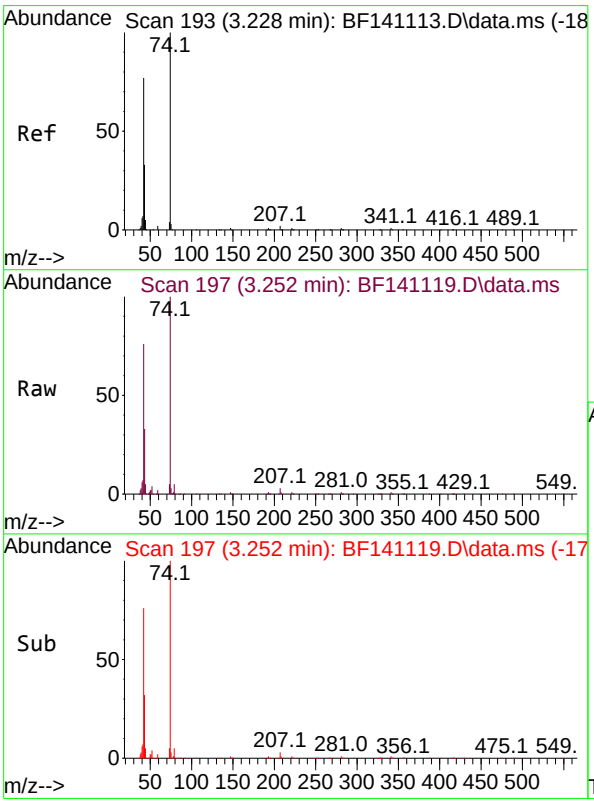
Ion	Ratio	Lower	Upper
79	100		
52	72.5	58.9	88.3
51	36.5	29.1	43.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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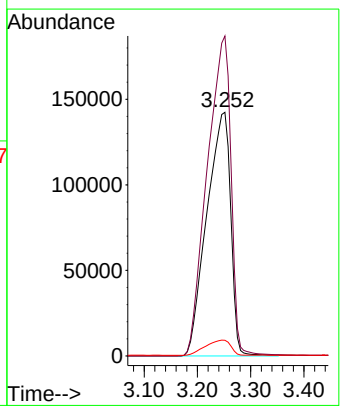
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

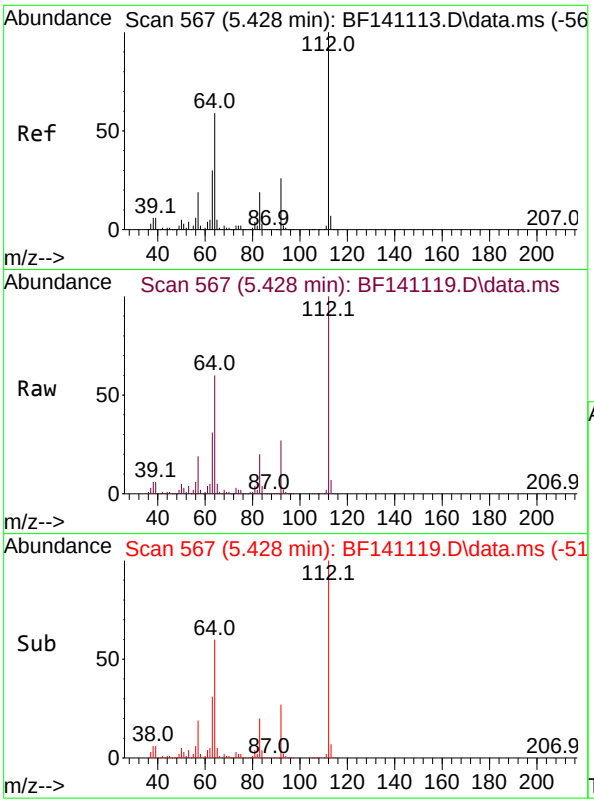


#4
n-Nitrosodimethylamine
Concen: 74.512 ng
RT: 3.252 min Scan# 197
Delta R.T. 0.024 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion: 42 Resp: 443709

Ion	Ratio	Lower	Upper
42	100		
74	131.3	103.8	155.6
44	6.4	5.3	7.9





#5
2-Fluorophenol
Concen: 138.495 ng
RT: 5.428 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

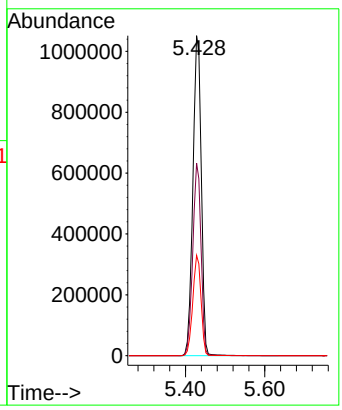
Tgt Ion:112 Resp: 154455

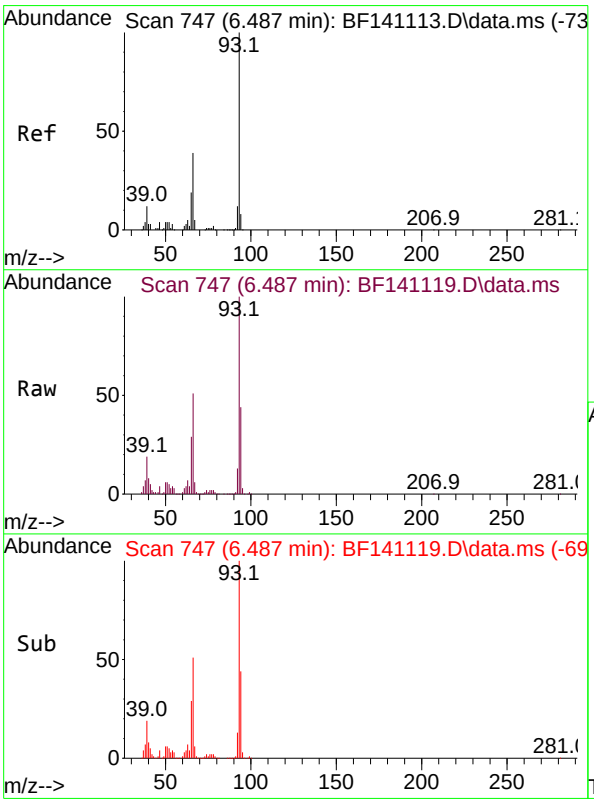
Ion	Ratio	Lower	Upper
112	100		
64	60.2	47.3	70.9
63	31.3	24.2	36.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

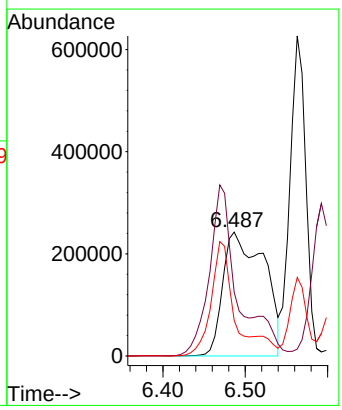


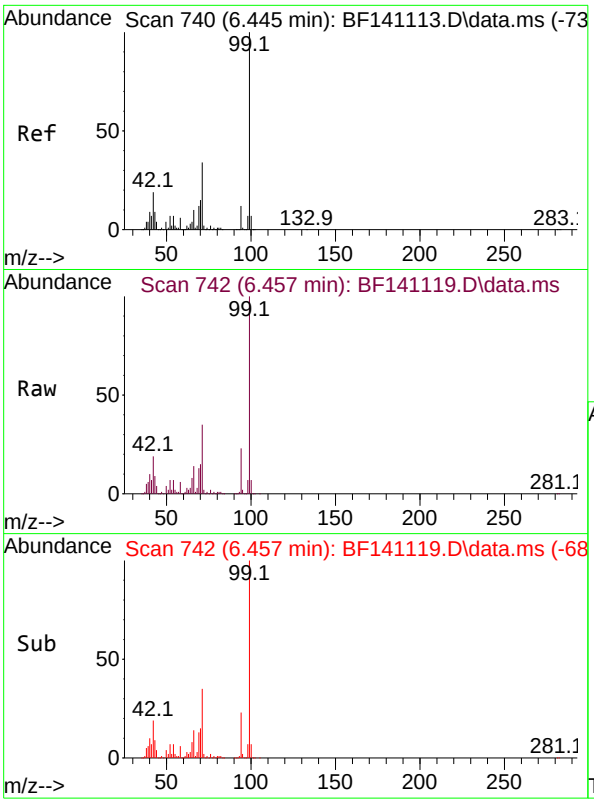


#6
Aniline
Concen: 67.145 ng m
RT: 6.487 min Scan# 747
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion: 93 Resp: 842164

Ion	Ratio	Lower	Upper
93	100		
66	51.4	31.5	47.3#
65	28.7	15.3	22.9#

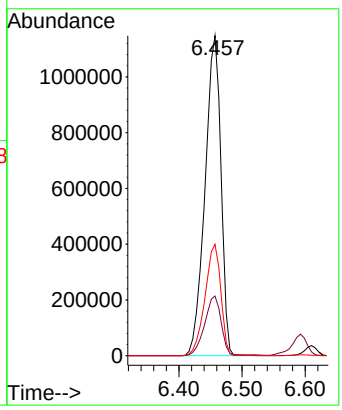




#7
Phenol-d6
Concen: 141.874 ng
RT: 6.457 min Scan# 7
Delta R.T. 0.012 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion: 99 Resp: 200423

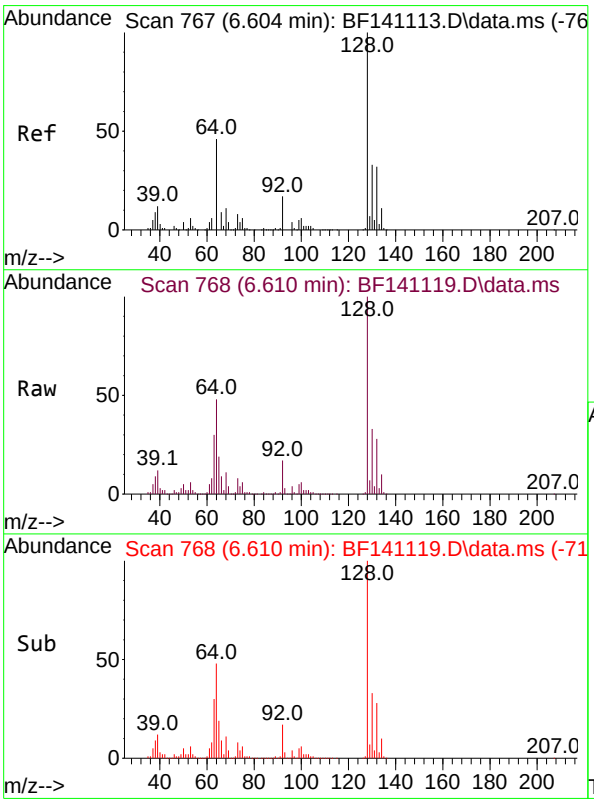
Ion	Ratio	Lower	Upper
99	100		
42	18.7	15.0	22.4
71	34.8	27.6	41.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

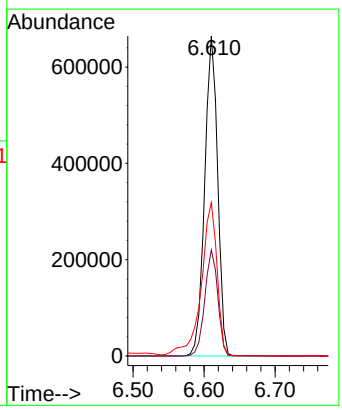
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

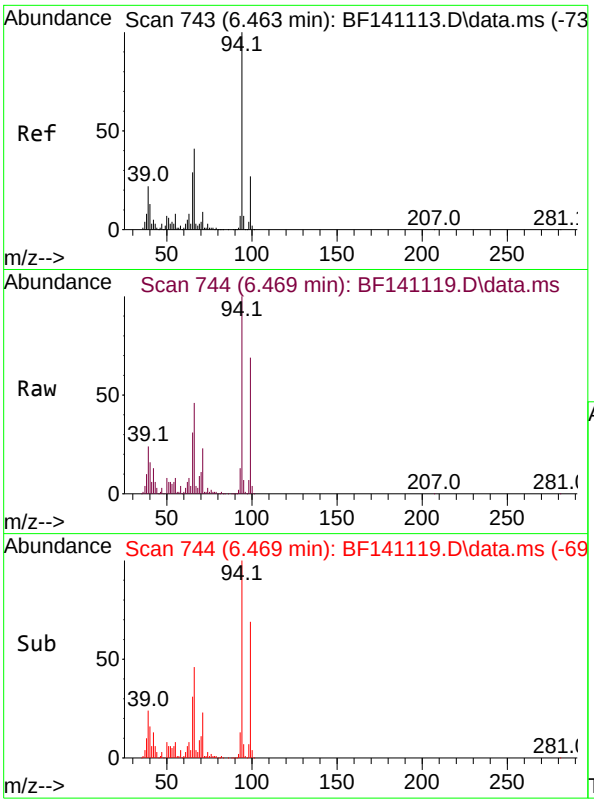


#8
2-Chlorophenol
Concen: 70.573 ng
RT: 6.610 min Scan# 768
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:128 Resp: 844417

Ion	Ratio	Lower	Upper
128	100		
130	33.2	12.5	52.5
64	48.0	28.3	68.3

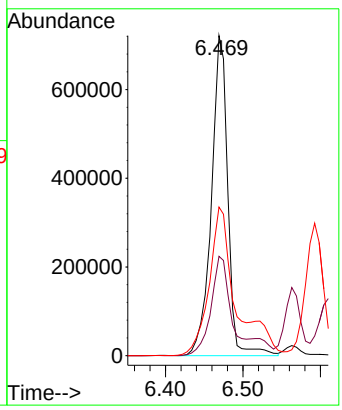




#10
Phenol
Concen: 70.563 ng
RT: 6.469 min Scan# 74
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion: 94 Resp: 106707

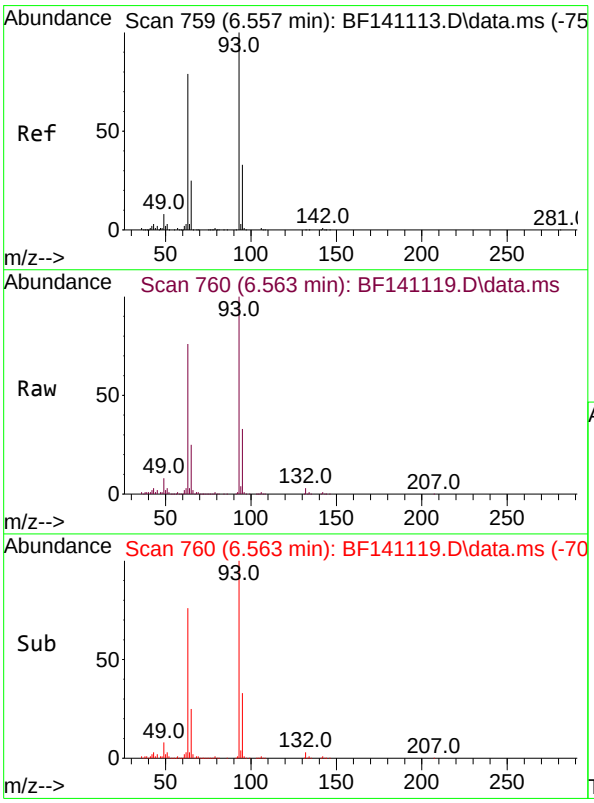
Ion	Ratio	Lower	Upper
94	100		
65	31.1	8.9	48.9
66	46.4	21.2	61.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

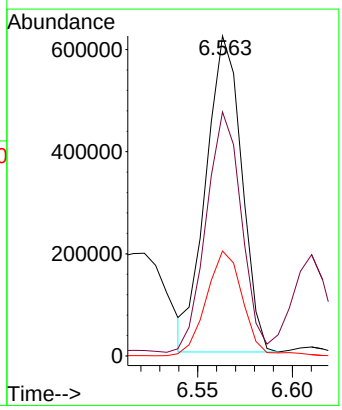
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

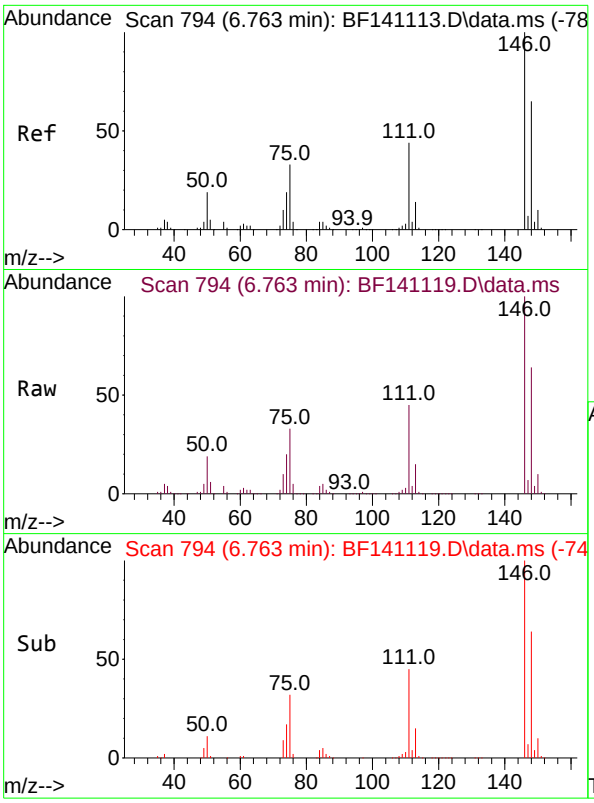


#11
bis(2-Chloroethyl)ether
Concen: 72.042 ng
RT: 6.563 min Scan# 760
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion: 93 Resp: 811905

Ion	Ratio	Lower	Upper
93	100		
63	76.2	58.0	98.0
95	32.8	12.5	52.5

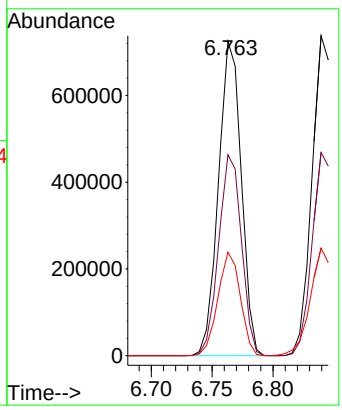




#12
1,3-Dichlorobenzene
Concen: 70.831 ng
RT: 6.763 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:146 Resp: 94522

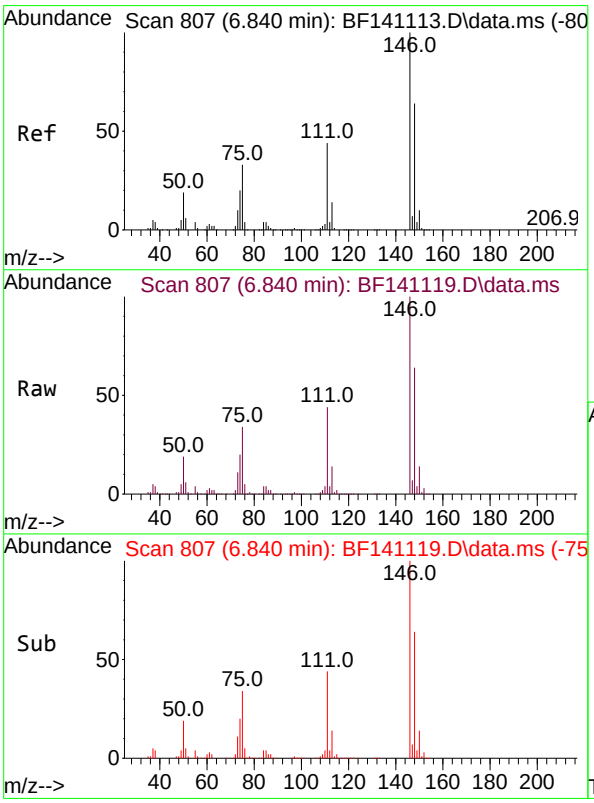
Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.6	77.4
75	33.0	26.2	39.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

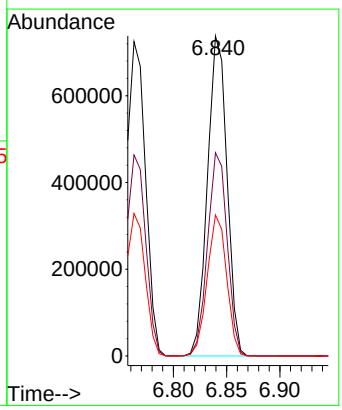
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

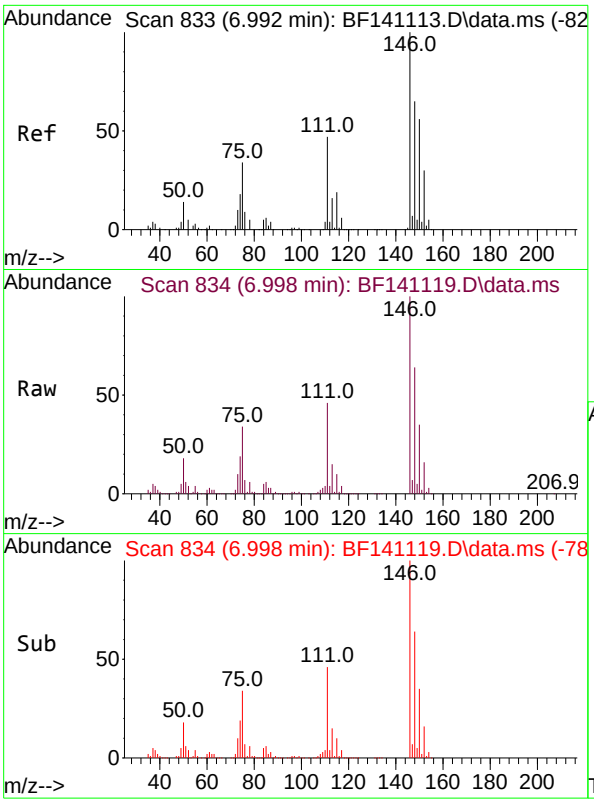


#13
1,4-Dichlorobenzene
Concen: 70.211 ng
RT: 6.840 min Scan# 807
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:146 Resp: 944179

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.0	76.6
111	44.1	34.9	52.3

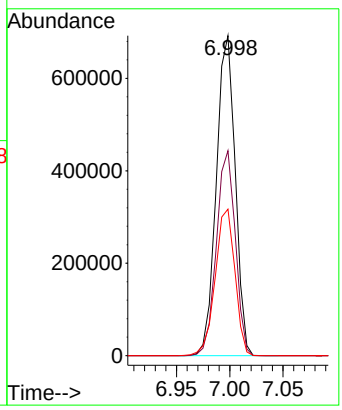




#14
1,2-Dichlorobenzene
Concen: 68.083 ng
RT: 6.998 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:146 Resp: 85402

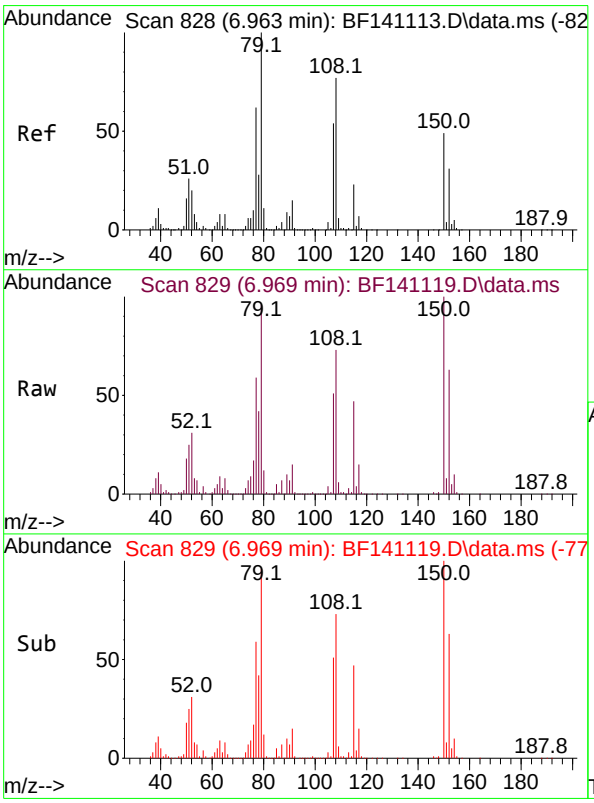
Ion	Ratio	Lower	Upper
146	100		
148	64.0	52.2	78.4
111	45.8	37.5	56.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

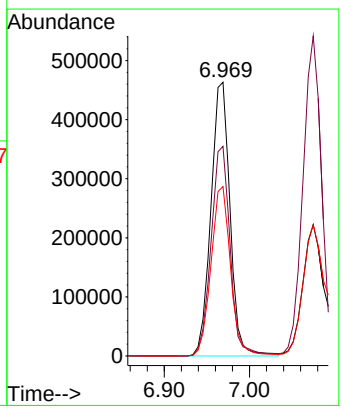
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

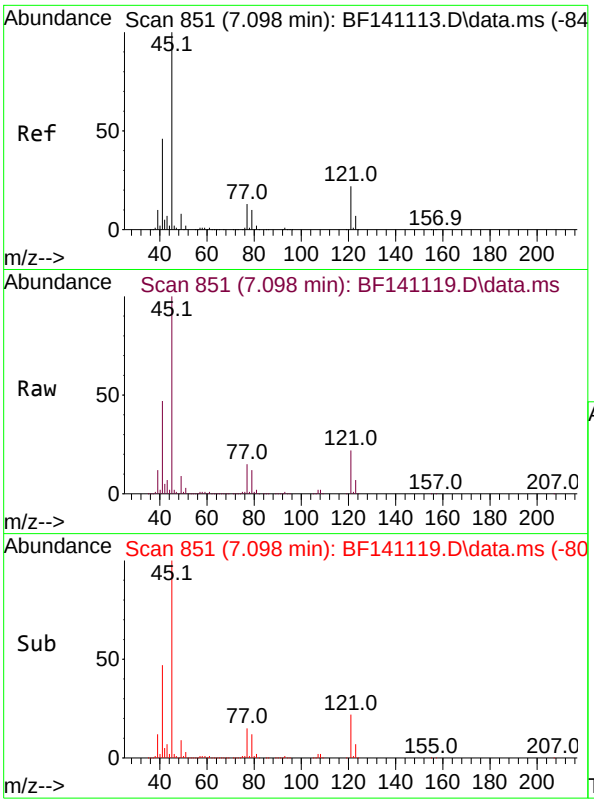


#15
Benzyl Alcohol
Concen: 70.781 ng
RT: 6.969 min Scan# 829
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion: 79 Resp: 722113

Ion	Ratio	Lower	Upper
79	100		
108	76.6	61.4	92.0
77	61.9	49.8	74.6





#16
2,2'-oxybis(1-Chloropropane)
Concen: 71.848 ng
RT: 7.098 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

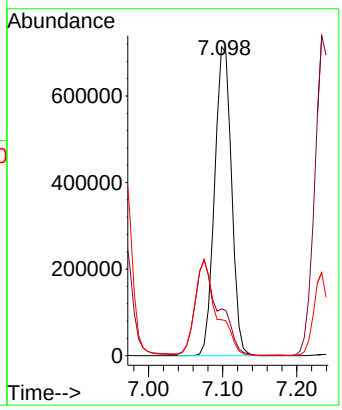
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

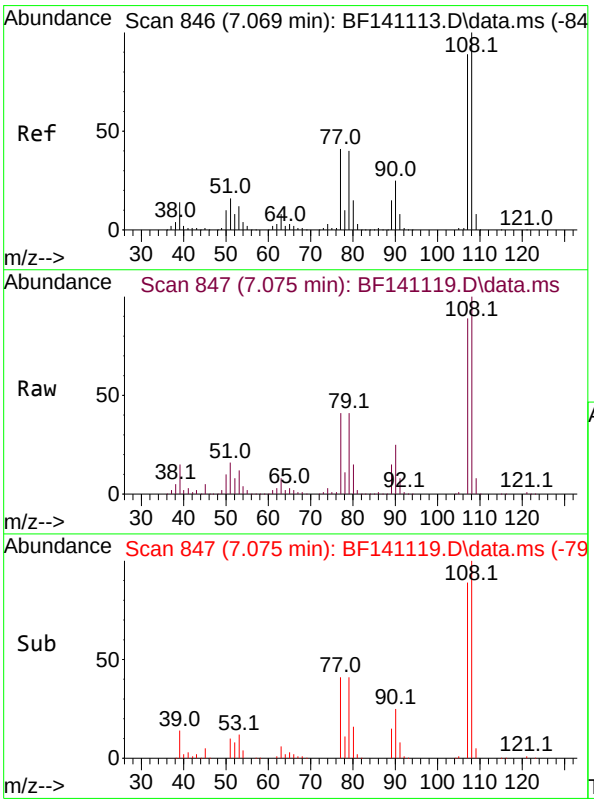
Tgt Ion: 45 Resp: 112991

Ion	Ratio	Lower	Upper
45	100		
77	15.1	0.0	34.1
79	11.7	0.0	31.0

Manual Integrations
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Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

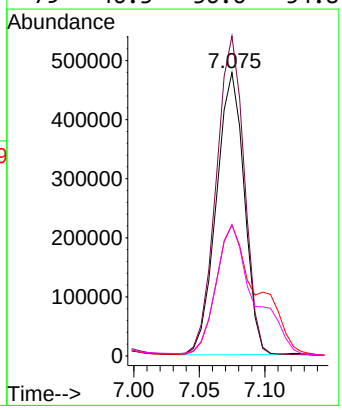


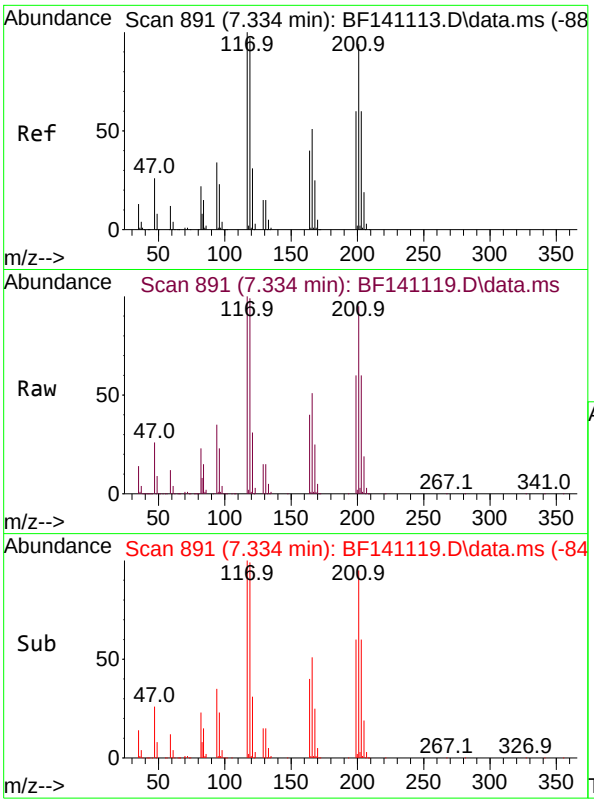


#17
2-Methylphenol
Concen: 73.257 ng
RT: 7.075 min Scan# 847
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:107 Resp: 707657

Ion	Ratio	Lower	Upper
107	100		
108	112.9	90.1	135.1
77	46.2	36.6	55.0
79	46.3	36.6	54.8

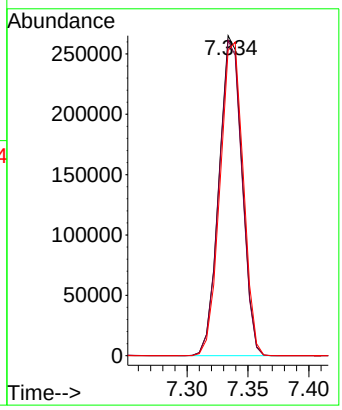




#18
Hexachloroethane
Concen: 71.795 ng
RT: 7.334 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:117 Resp: 34914

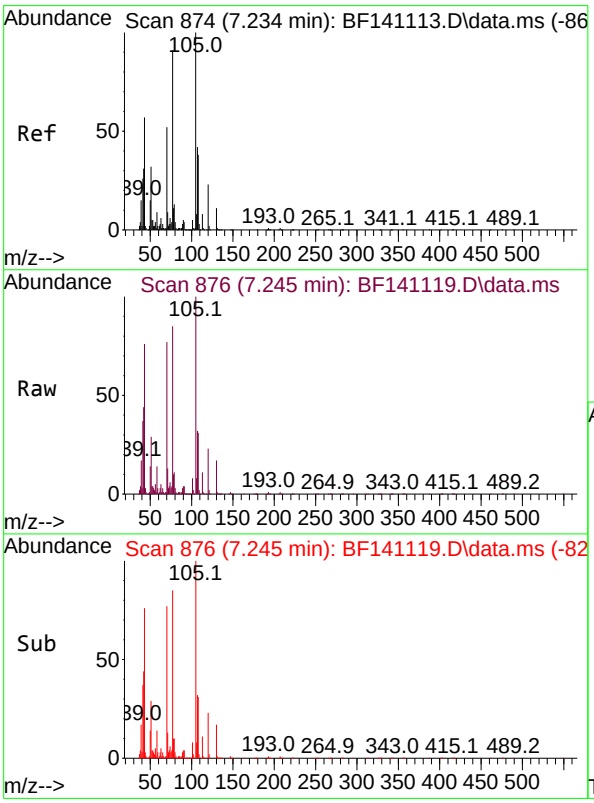
Ion	Ratio	Lower	Upper
117	100		
119	98.6	77.6	116.4
201	95.4	75.1	112.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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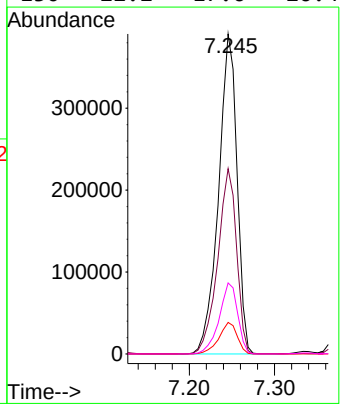
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

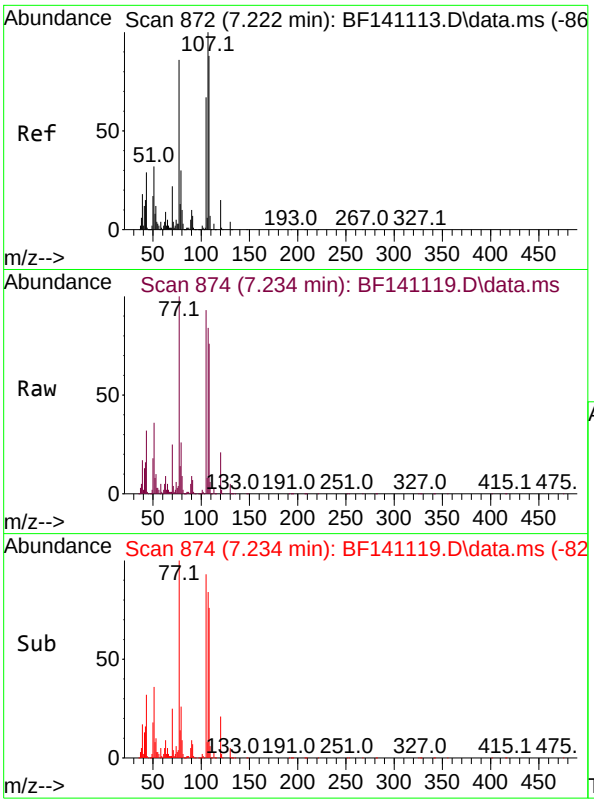


#19
n-Nitroso-di-n-propylamine
Concen: 70.753 ng
RT: 7.245 min Scan# 876
Delta R.T. 0.012 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion: 70 Resp: 588783

Ion	Ratio	Lower	Upper
70	100		
42	57.9	47.8	71.6
101	9.8	7.9	11.9
130	22.2	17.6	26.4

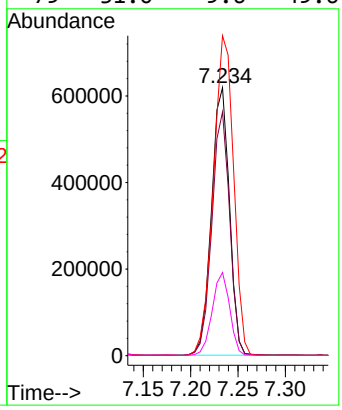




#20
3+4-Methylphenols
Concen: 66.732 ng
RT: 7.234 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:107 Resp: 81326

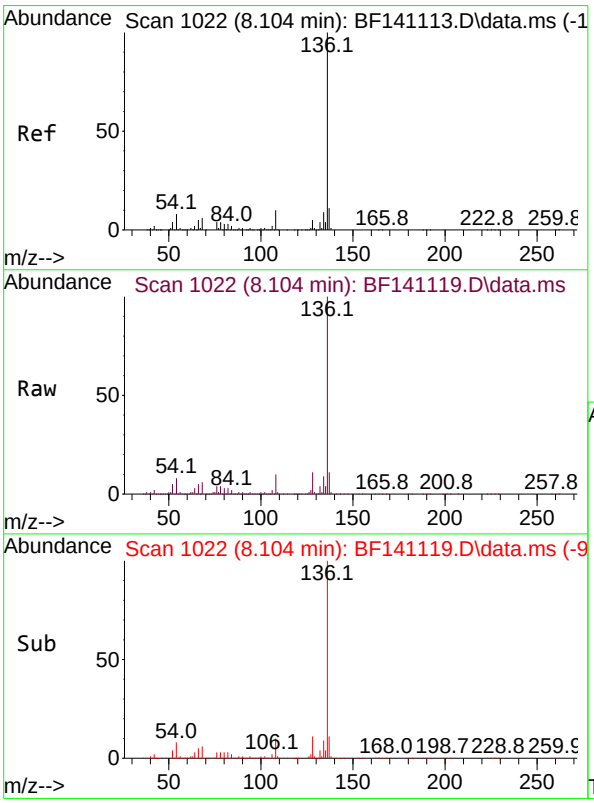
Ion	Ratio	Lower	Upper
107	100		
108	90.9	68.3	108.3
77	119.4	66.4	106.4
79	31.0	9.6	49.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

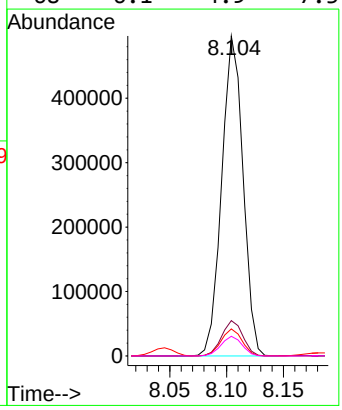
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

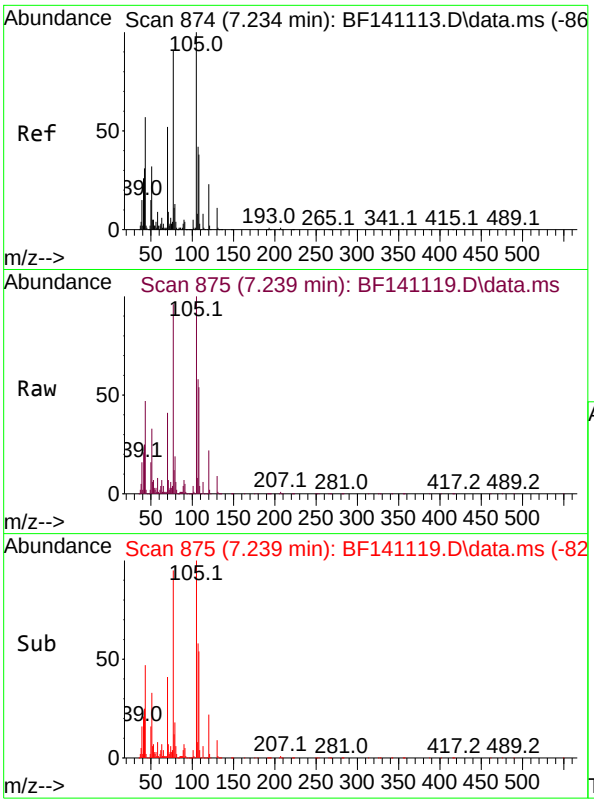


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:136 Resp: 648826

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	8.5	6.3	9.5
68	6.1	4.9	7.3

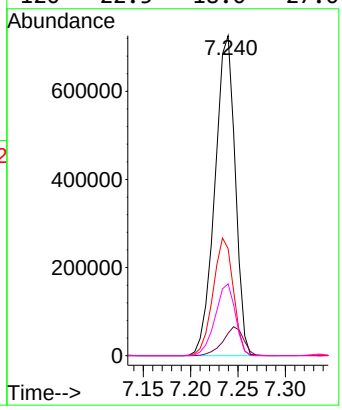




#22
Acetophenone
Concen: 70.218 ng
RT: 7.239 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:105 Resp: 108305

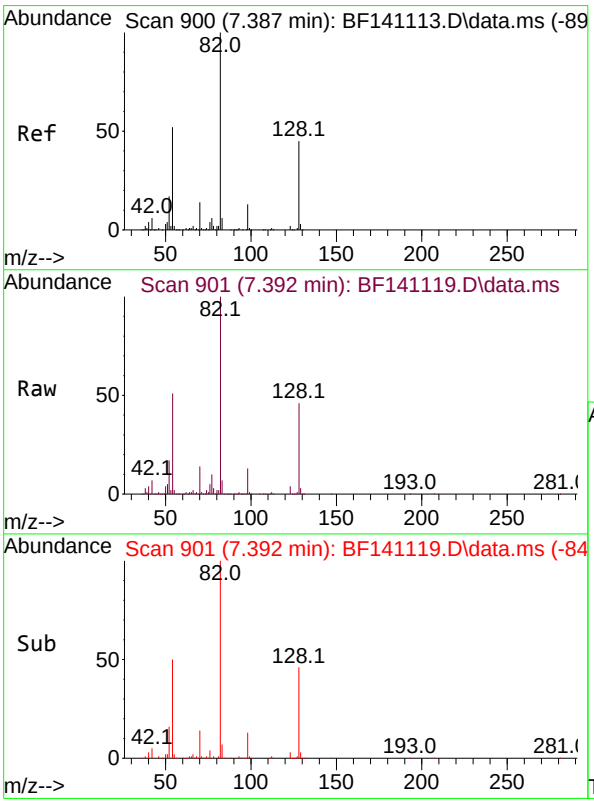
Ion	Ratio	Lower	Upper
105	100		
71	7.0	7.1	10.7
51	33.5	25.4	38.2
120	22.5	18.0	27.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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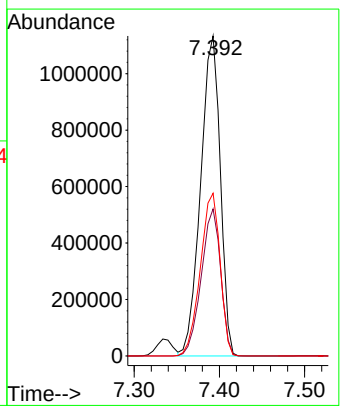
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

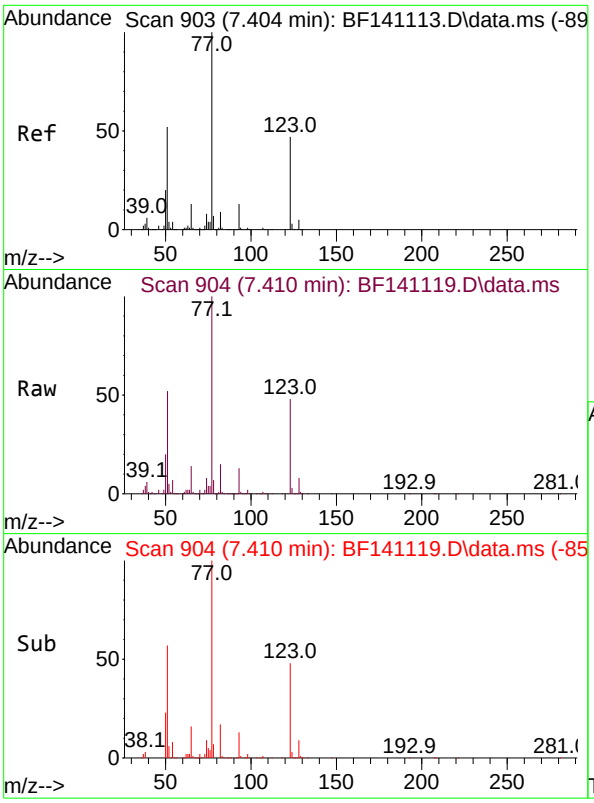


#23
Nitrobenzene-d5
Concen: 148.154 ng
RT: 7.392 min Scan# 901
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion: 82 Resp: 1813409

Ion	Ratio	Lower	Upper
82	100		
128	45.9	36.1	54.1
54	50.9	41.0	61.4

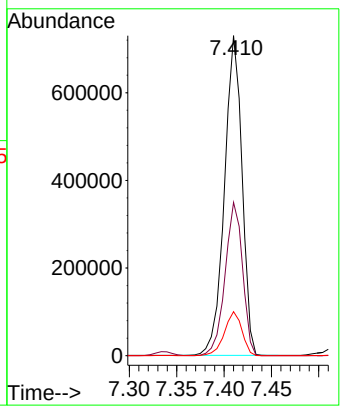




#24
Nitrobenzene
Concen: 73.960 ng
RT: 7.410 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion: 77 Resp: 94348

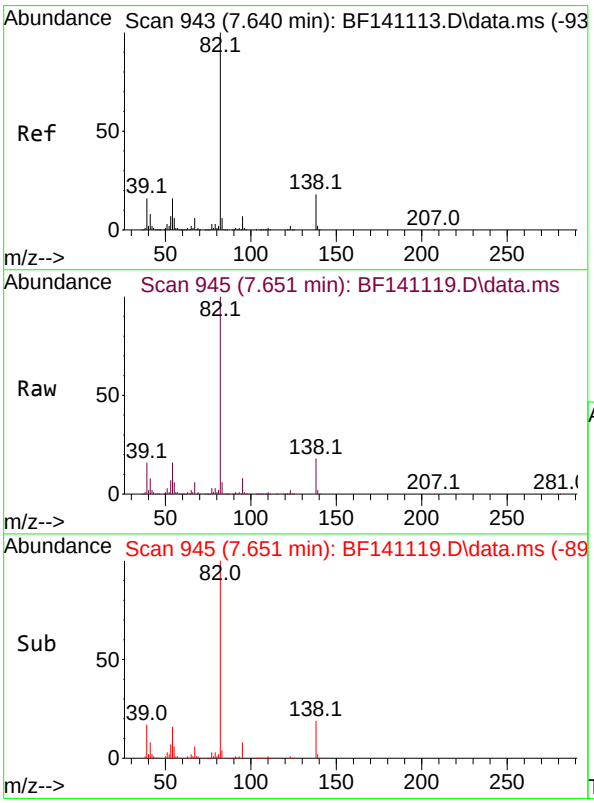
Ion	Ratio	Lower	Upper
77	100		
123	47.9	37.7	56.5
65	13.7	10.6	16.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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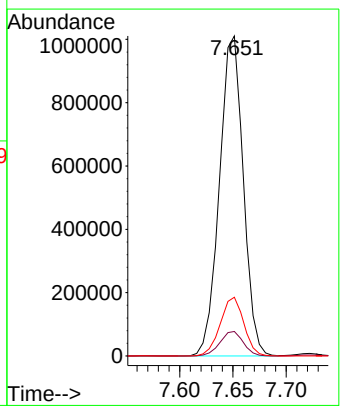
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

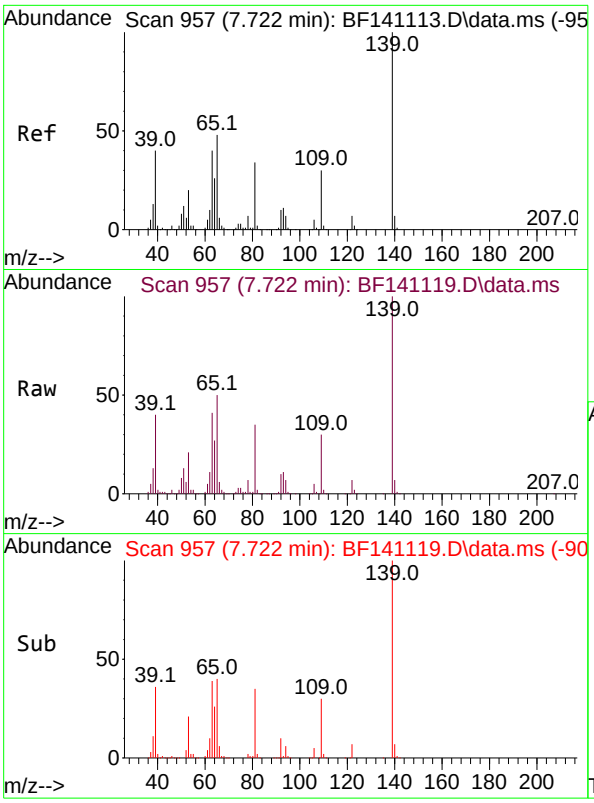


#25
Isophorone
Concen: 75.124 ng
RT: 7.651 min Scan# 945
Delta R.T. 0.012 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion: 82 Resp: 1571424

Ion	Ratio	Lower	Upper
82	100		
95	7.6	5.9	8.9
138	18.4	14.2	21.2





#26
2-Nitrophenol
Concen: 79.834 ng
RT: 7.722 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

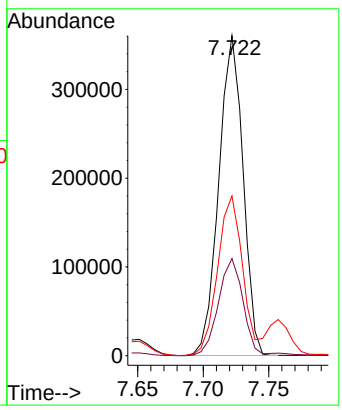
Tgt Ion:139 Resp: 46326

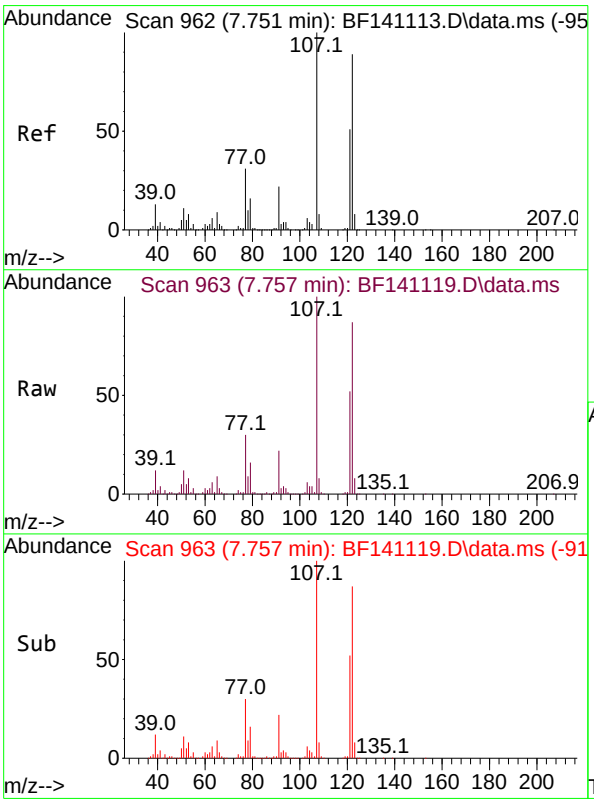
Ion	Ratio	Lower	Upper
139	100		
109	30.3	23.8	35.6
65	49.9	38.5	57.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

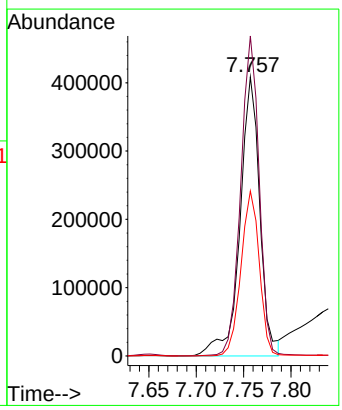


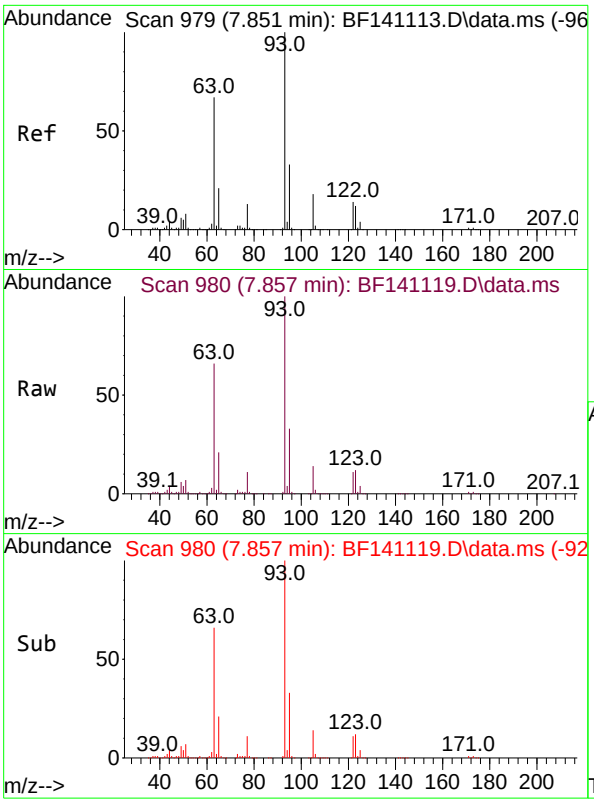


#27
2,4-Dimethylphenol
Concen: 75.959 ng
RT: 7.757 min Scan# 963
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:122 Resp: 594544

Ion	Ratio	Lower	Upper
122	100		
107	114.7	90.3	135.5
121	59.1	46.5	69.7





#28
bis(2-Chloroethoxy)methane
Concen: 74.449 ng
RT: 7.857 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

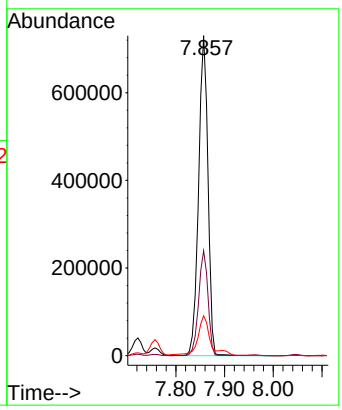
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

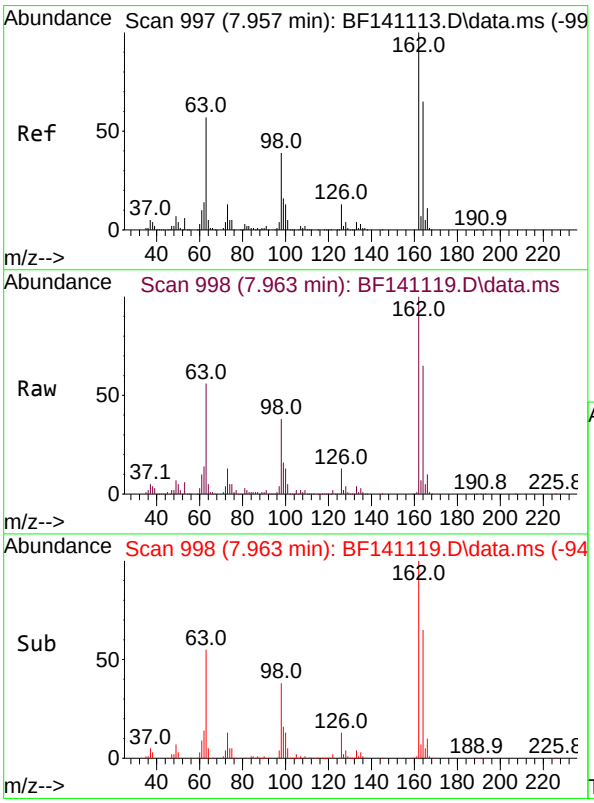
Tgt Ion: 93 Resp: 97733

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.2	39.4
123	12.5	10.1	15.1

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Supervised By :Jagrut Upadhyay 01/13/2025

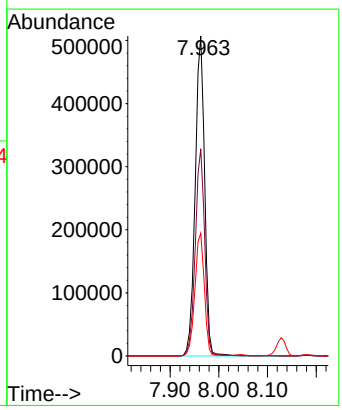


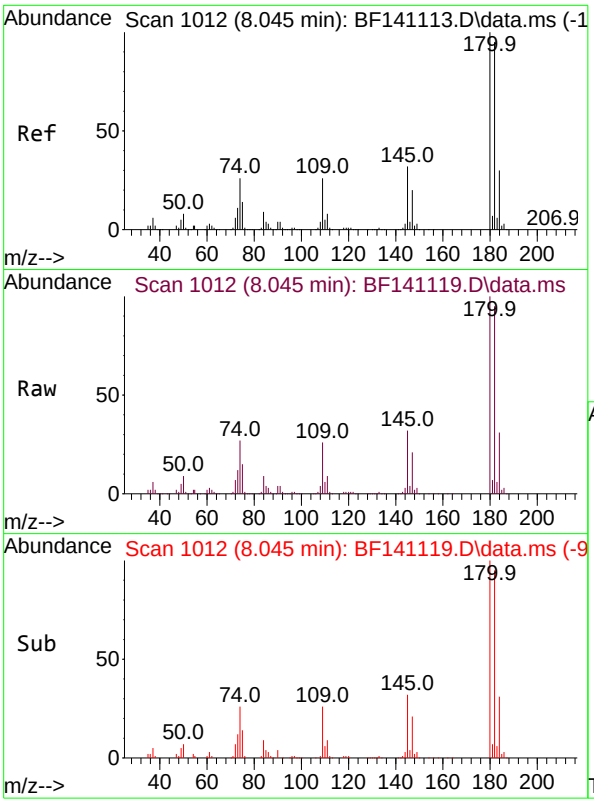


#29
2,4-Dichlorophenol
Concen: 74.162 ng
RT: 7.963 min Scan# 998
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:162 Resp: 689420

Ion	Ratio	Lower	Upper
162	100		
164	64.8	44.5	84.5
98	38.3	18.5	58.5





#30
1,2,4-Trichlorobenzene
Concen: 73.098 ng
RT: 8.045 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

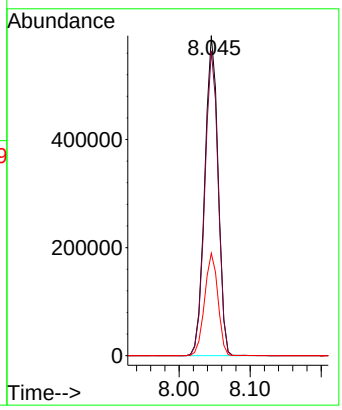
Tgt Ion:180 Resp: 77672

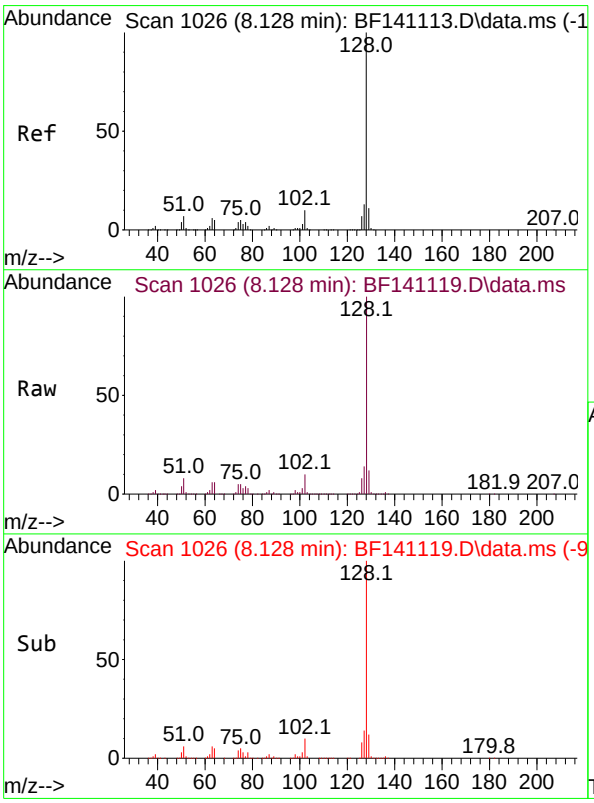
Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.2	114.2
145	32.0	25.3	37.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

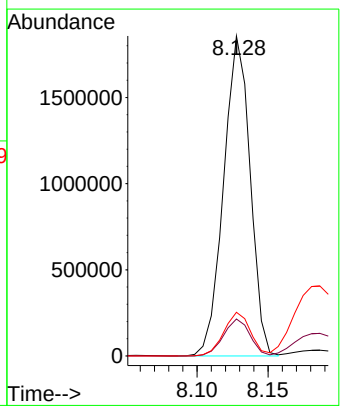


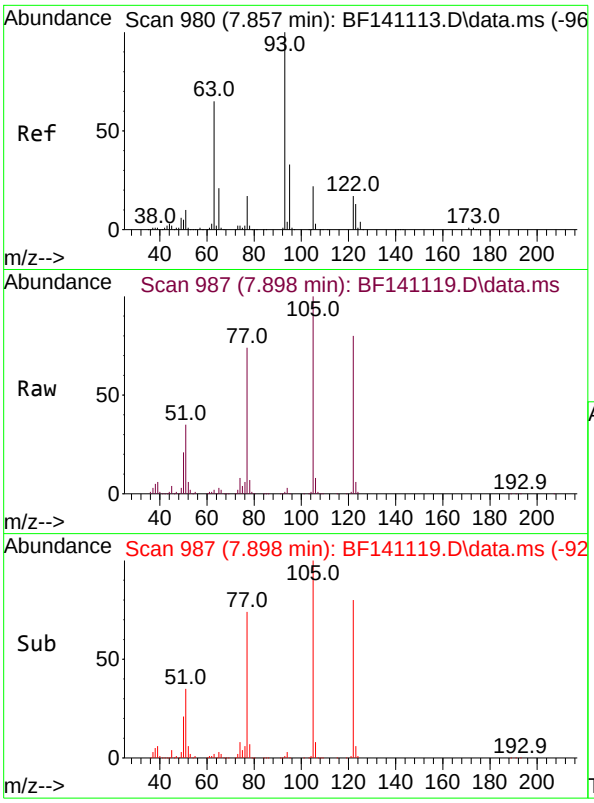


#31
Naphthalene
Concen: 70.480 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:128 Resp: 2411578

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.0	13.6
127	13.6	10.8	16.2

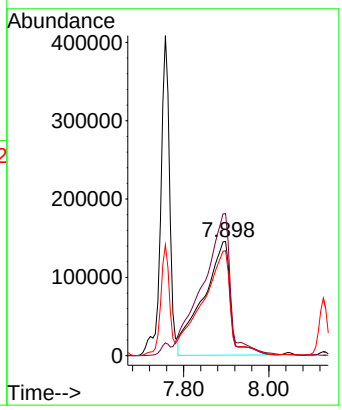




#32
Benzoic acid
Concen: 86.411 ng
RT: 7.898 min Scan# 9
Delta R.T. 0.041 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:122 Resp: 64881

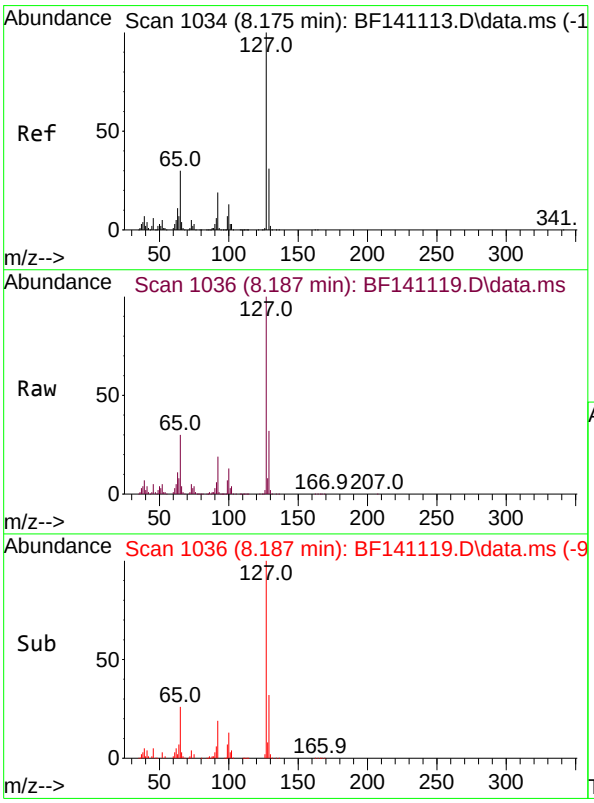
Ion	Ratio	Lower	Upper
122	100		
105	124.5	105.5	145.5
77	91.9	75.1	115.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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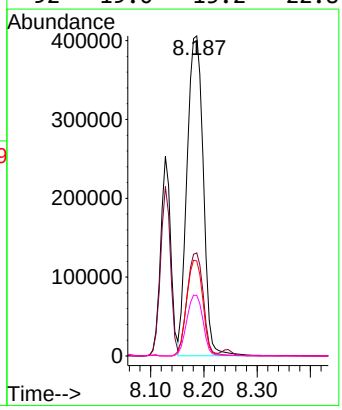
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

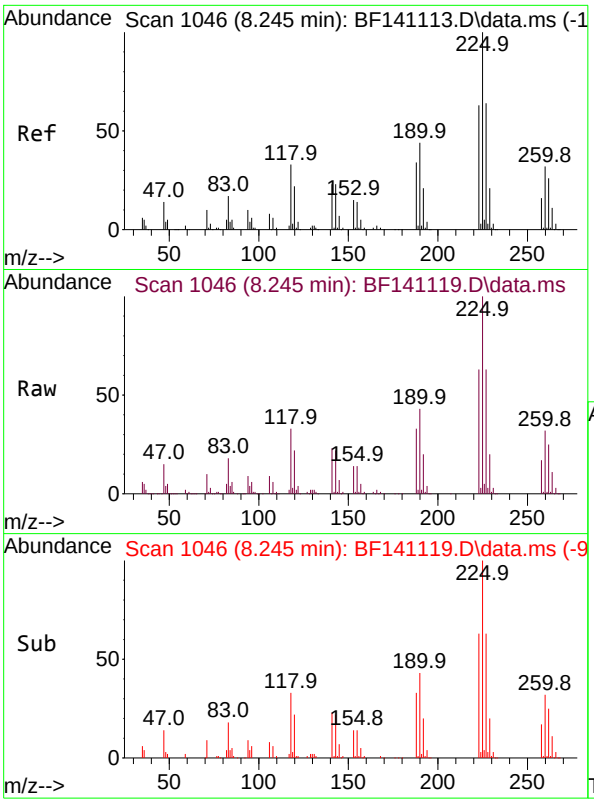


#33
4-Chloroaniline
Concen: 72.688 ng
RT: 8.187 min Scan# 1036
Delta R.T. 0.012 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:127 Resp: 860135

Ion	Ratio	Lower	Upper
127	100		
129	32.2	25.9	38.9
65	29.7	23.8	35.8
92	19.0	15.2	22.8

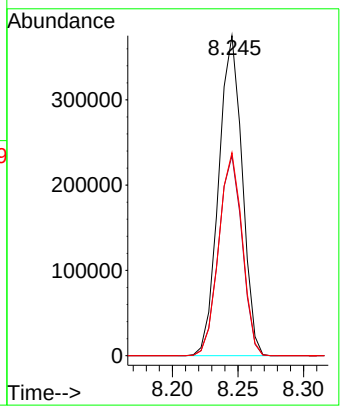




#34
Hexachlorobutadiene
Concen: 72.969 ng
RT: 8.245 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:225 Resp: 46719

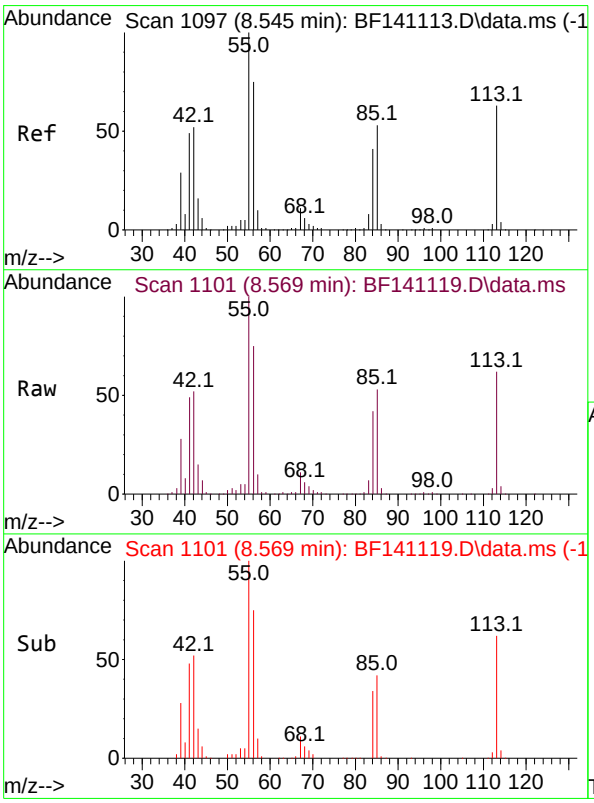
Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.6	76.0
227	63.4	51.6	77.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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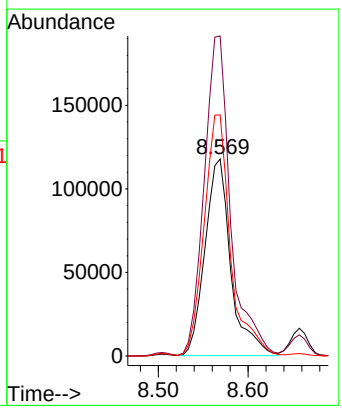
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

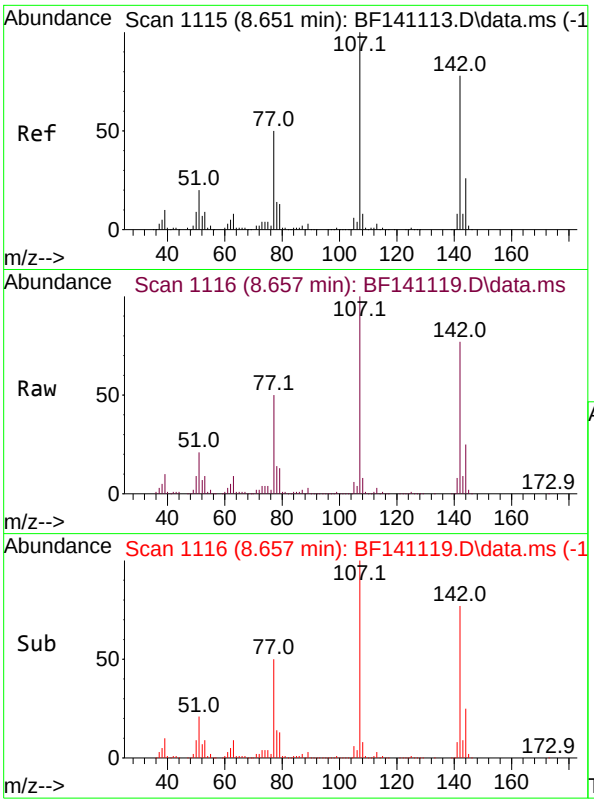


#35
Caprolactam
Concen: 77.436 ng
RT: 8.569 min Scan# 1101
Delta R.T. 0.024 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:113 Resp: 236127

Ion	Ratio	Lower	Upper
113	100		
55	162.5	139.7	179.7
56	122.5	99.4	139.4





#36
4-Chloro-3-methylphenol
Concen: 74.822 ng
RT: 8.657 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

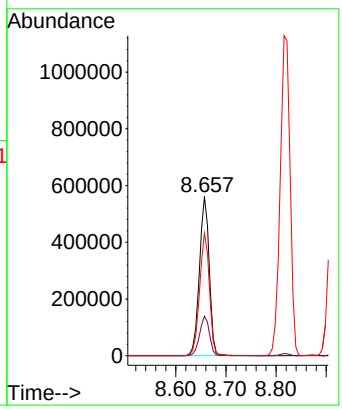
Tgt Ion:107 Resp: 76069

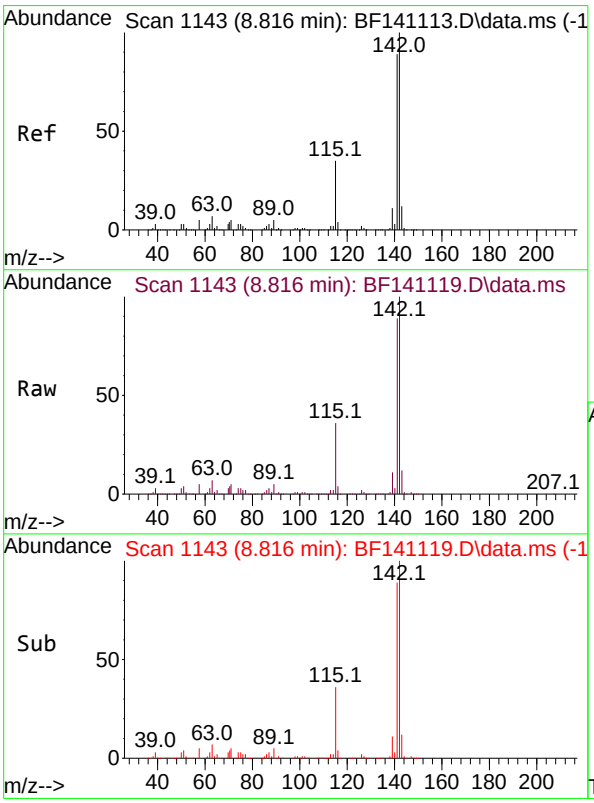
Ion	Ratio	Lower	Upper
107	100		
144	24.9	20.4	30.6
142	76.8	62.2	93.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

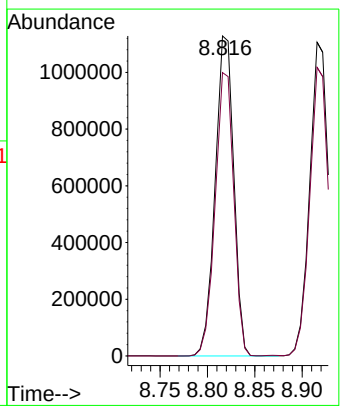


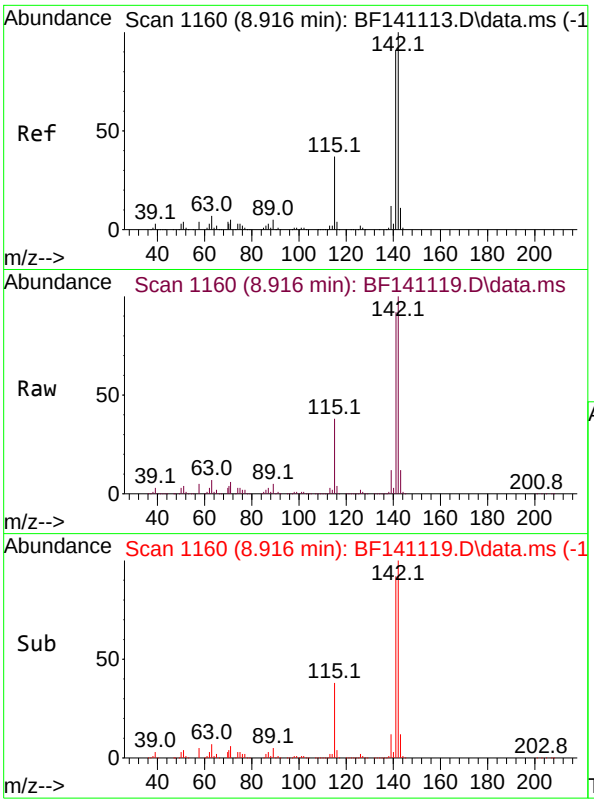


#37
2-Methylnaphthalene
Concen: 70.820 ng
RT: 8.816 min Scan# 1143
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:142 Resp: 1544153

Ion	Ratio	Lower	Upper
142	100		
141	88.5	71.3	106.9

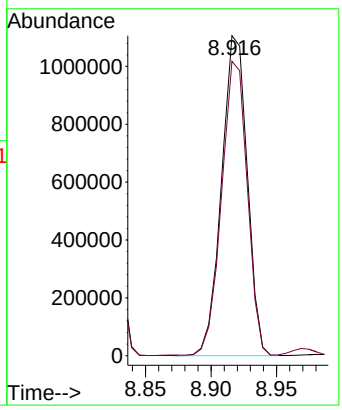




#38
1-Methylnaphthalene
Concen: 70.172 ng
RT: 8.916 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:142 Resp: 150788

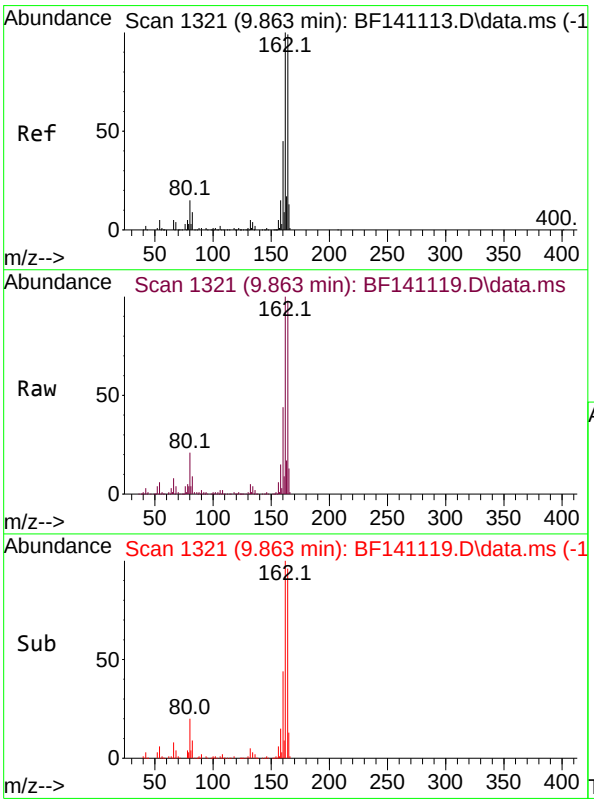
Ion	Ratio	Lower	Upper
142	100		
141	92.0	73.1	109.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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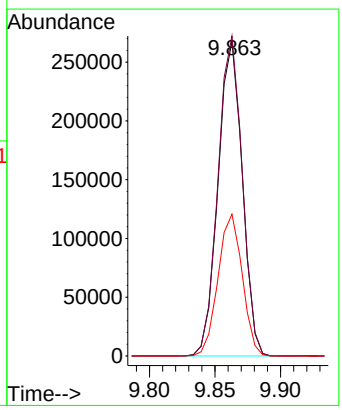
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

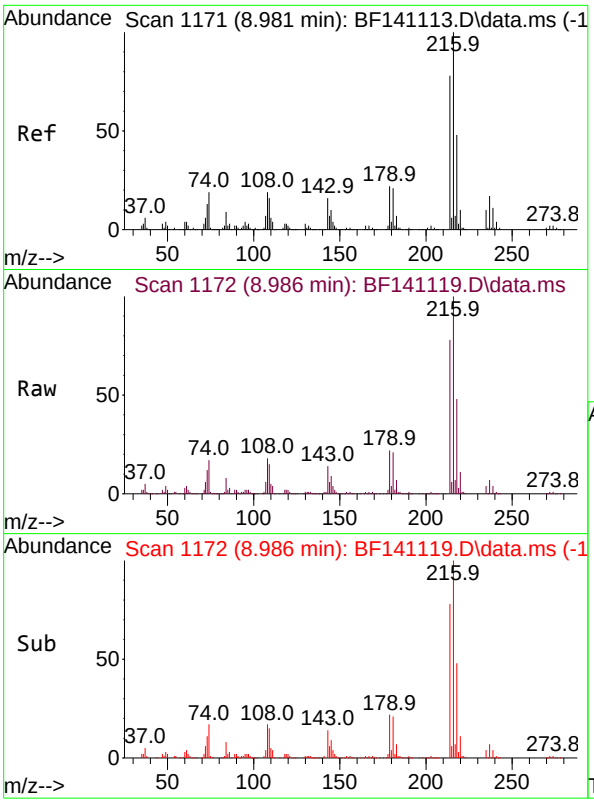


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1321
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:164 Resp: 342460

Ion	Ratio	Lower	Upper
164	100		
162	101.7	81.0	121.4
160	45.1	36.1	54.1

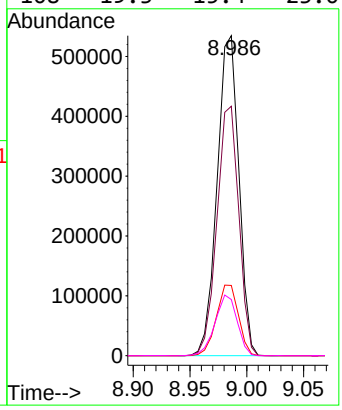




#40
1,2,4,5-Tetrachlorobenzene
Concen: 72.478 ng
RT: 8.986 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:216 Resp: 71240

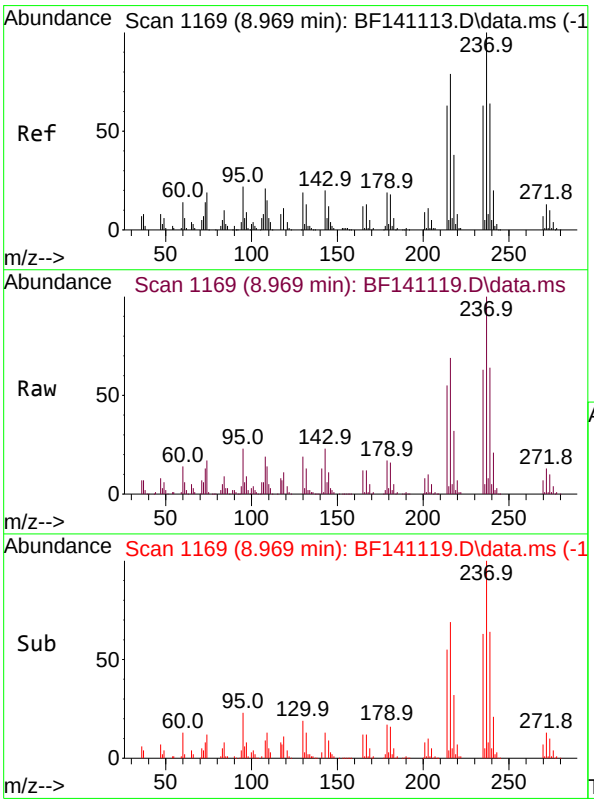
Ion	Ratio	Lower	Upper
216	100		
214	78.5	62.6	94.0
179	22.4	17.7	26.5
108	19.3	15.4	23.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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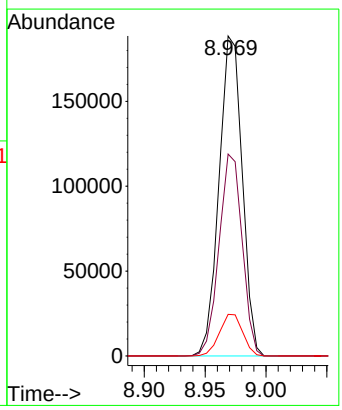
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

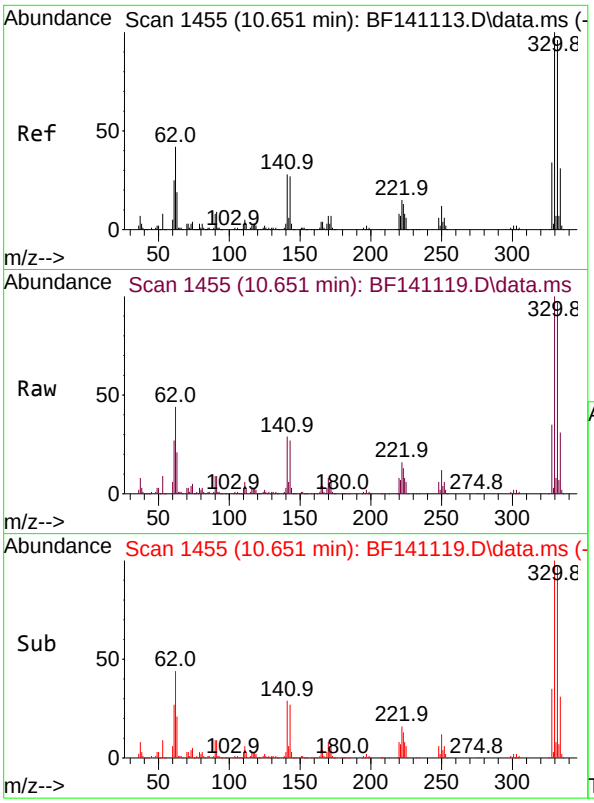


#41
Hexachlorocyclopentadiene
Concen: 77.724 ng
RT: 8.969 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:237 Resp: 249944

Ion	Ratio	Lower	Upper
237	100		
235	63.1	43.0	83.0
272	13.0	0.0	33.0

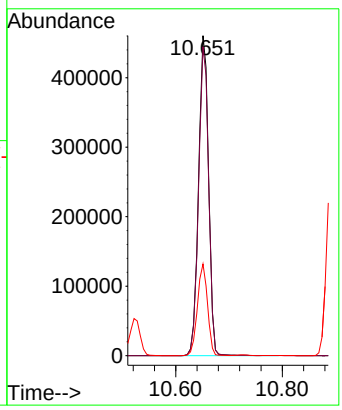




#42
2,4,6-Tribromophenol
Concen: 154.132 ng
RT: 10.651 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:330 Resp: 60143

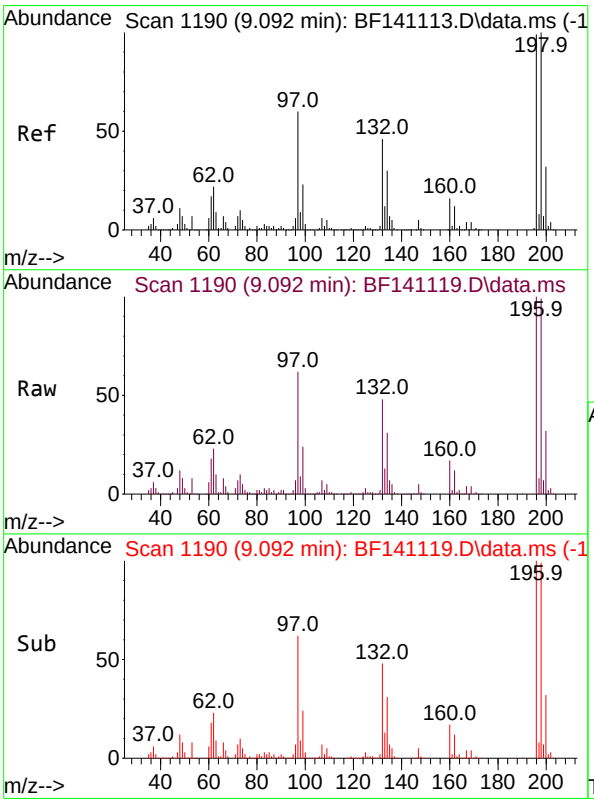
Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.9	115.3
141	28.9	25.2	37.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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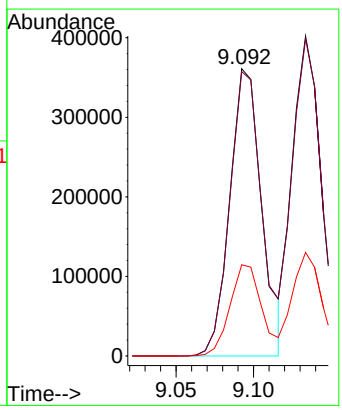
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

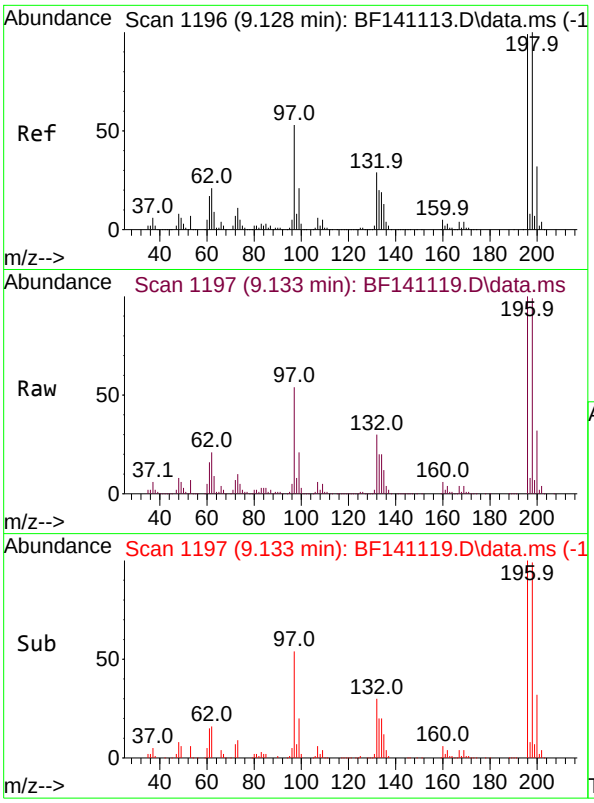


#43
2,4,6-Trichlorophenol
Concen: 77.920 ng
RT: 9.092 min Scan# 1190
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:196 Resp: 516551

Ion	Ratio	Lower	Upper
196	100		
198	99.0	80.8	121.2
200	31.7	25.7	38.5

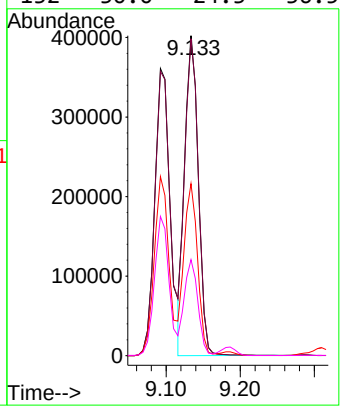




#44
2,4,5-Trichlorophenol
Concen: 73.839 ng
RT: 9.133 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:196 Resp: 51696

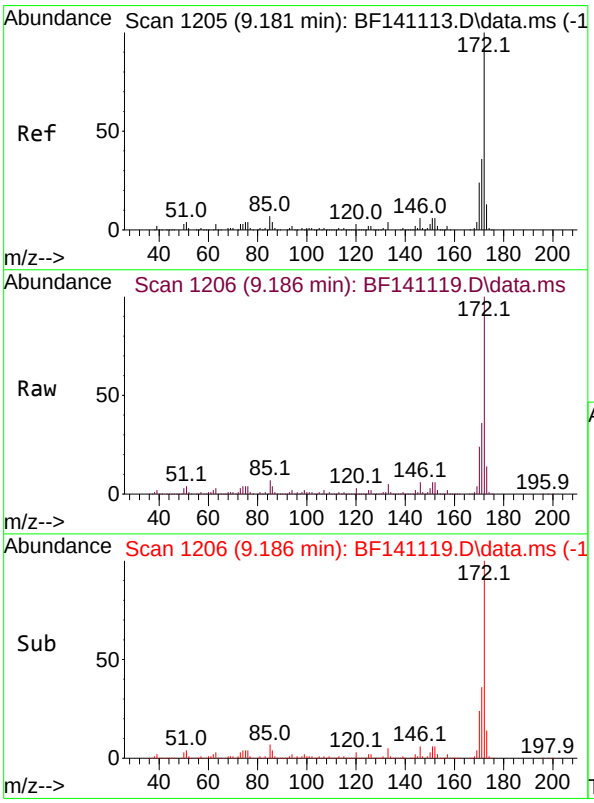
Ion	Ratio	Lower	Upper
196	100		
198	99.1	80.6	120.8
97	53.8	43.1	64.7
132	30.0	24.3	36.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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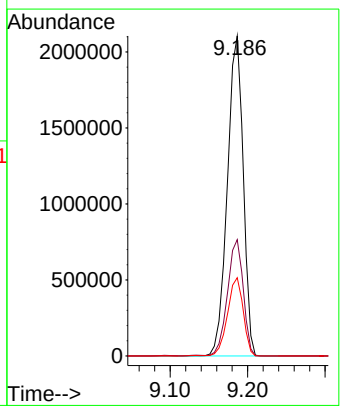
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

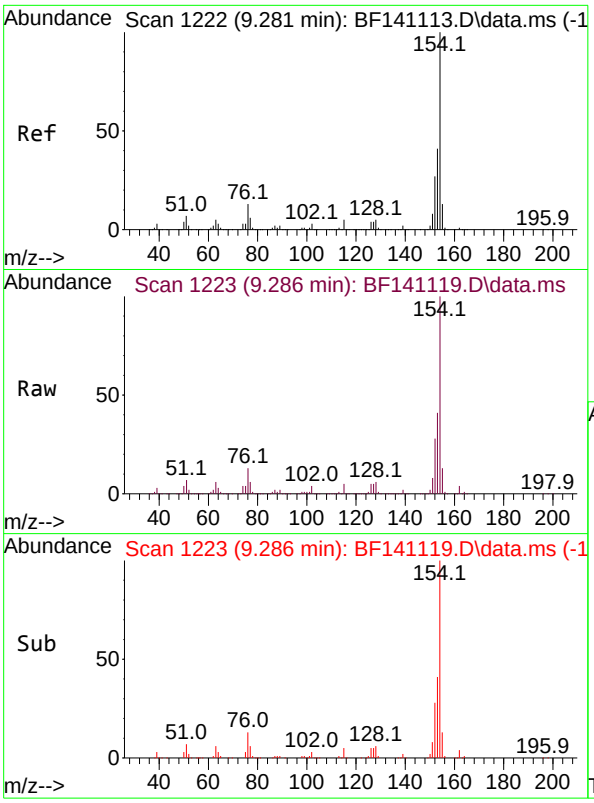


#45
2-Fluorobiphenyl
Concen: 133.666 ng
RT: 9.186 min Scan# 1206
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:172 Resp: 2997639

Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.7	43.1
170	24.4	19.0	28.6

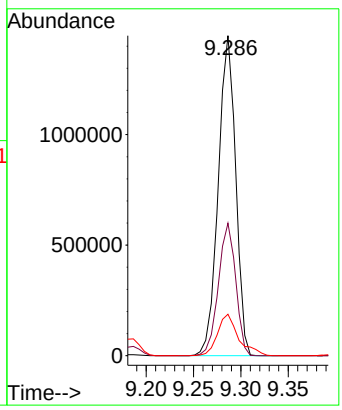




#46
1,1'-Biphenyl
Concen: 69.734 ng
RT: 9.286 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:154 Resp: 185461

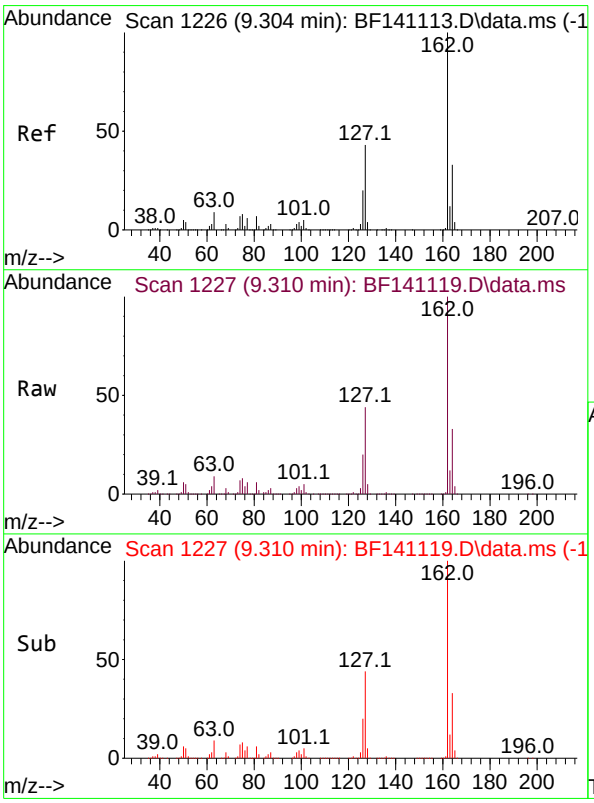
Ion	Ratio	Lower	Upper
154	100		
153	41.4	20.7	60.7
76	12.9	0.0	33.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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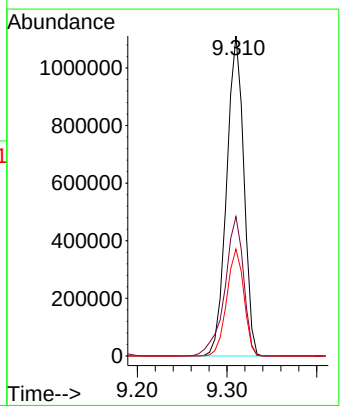
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

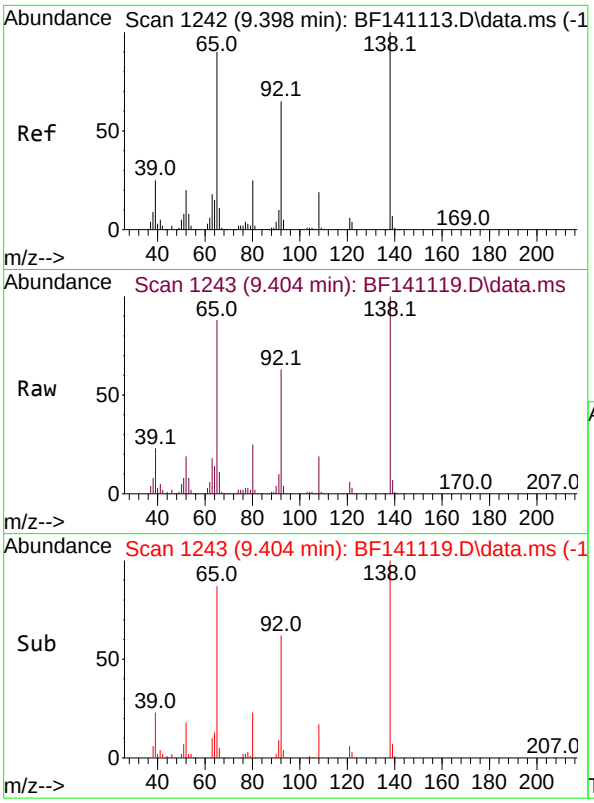


#47
2-Chloronaphthalene
Concen: 71.352 ng
RT: 9.310 min Scan# 1227
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:162 Resp: 1478014

Ion	Ratio	Lower	Upper
162	100		
127	43.6	34.6	51.8
164	33.4	26.5	39.7





#48
2-Nitroaniline
Concen: 77.400 ng
RT: 9.404 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

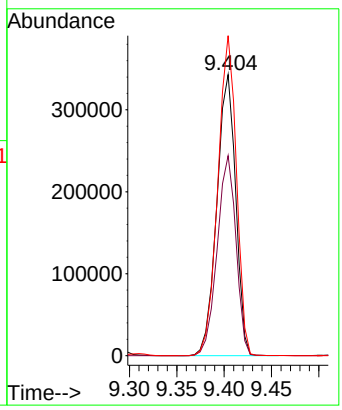
Tgt Ion: 65 Resp: 47526

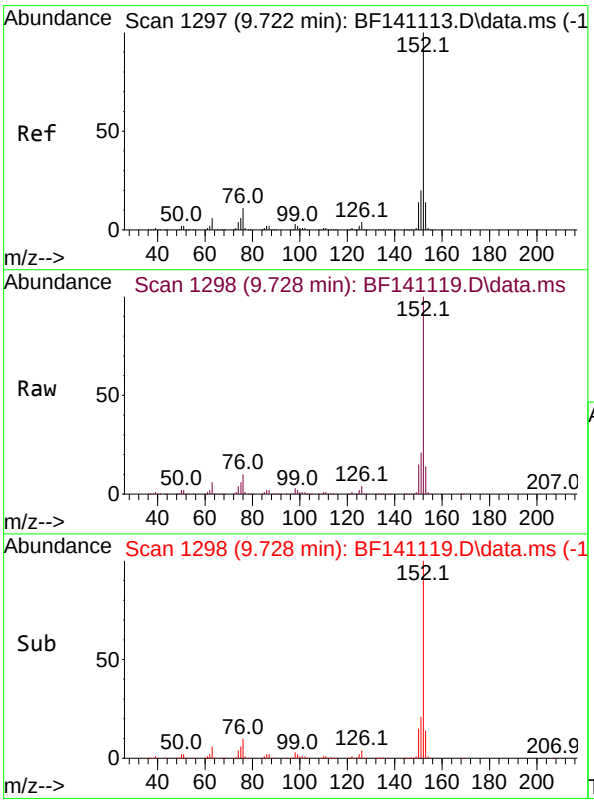
Ion	Ratio	Lower	Upper
65	100		
92	71.1	58.3	87.5
138	113.8	89.1	133.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

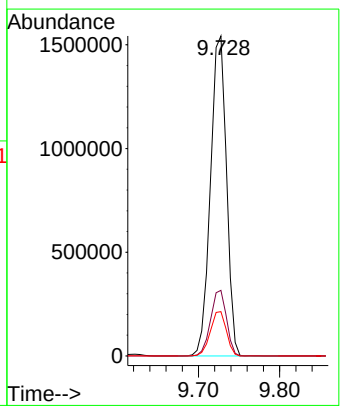


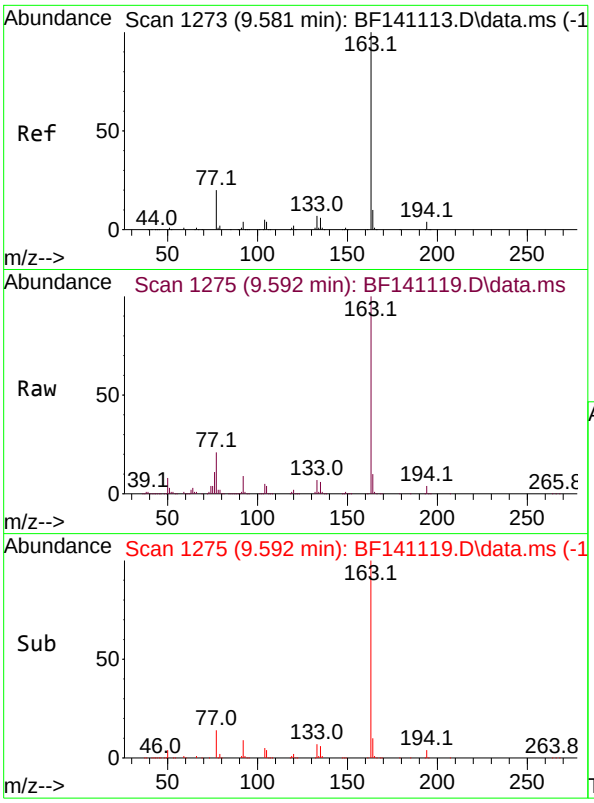


#49
Acenaphthylene
Concen: 71.297 ng
RT: 9.728 min Scan# 1298
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:152 Resp: 2110029

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.1	24.1
153	13.8	11.1	16.7

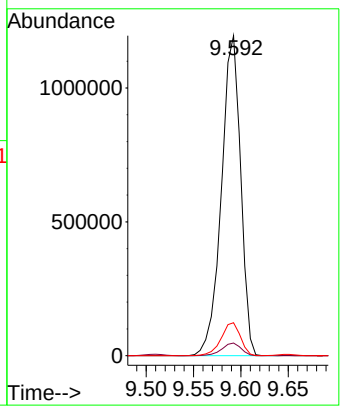




#50
Dimethylphthalate
Concen: 73.435 ng
RT: 9.592 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:163 Resp: 168832

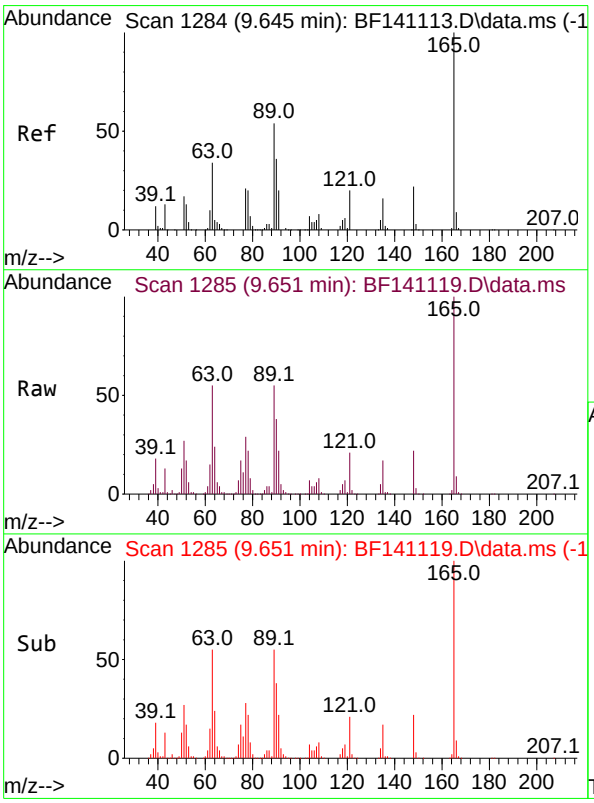
Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.0	4.6
164	10.3	8.2	12.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

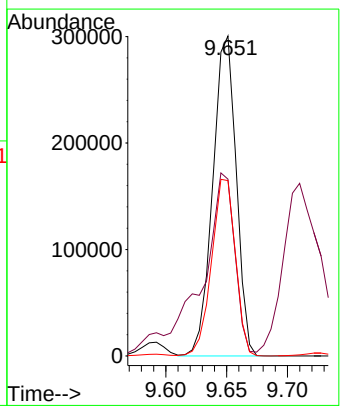
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

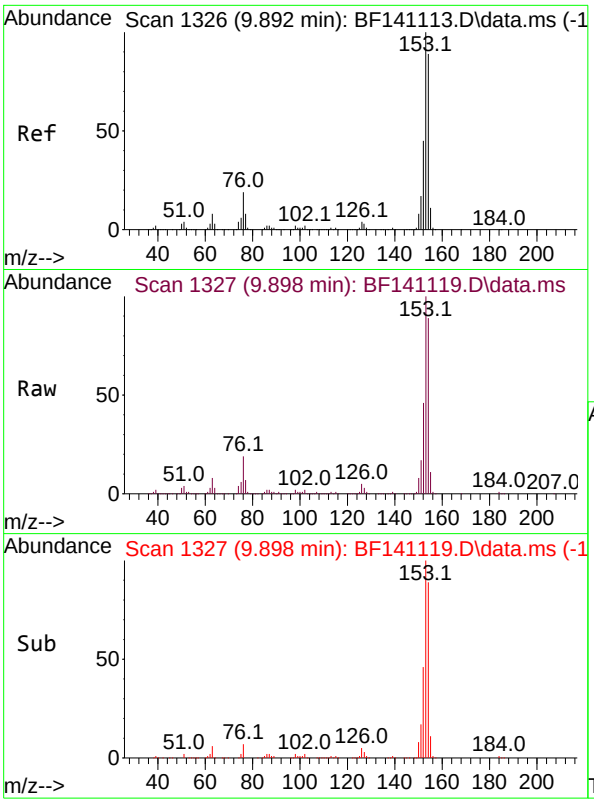


#51
2,6-Dinitrotoluene
Concen: 75.439 ng
RT: 9.651 min Scan# 1285
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:165 Resp: 403325

Ion	Ratio	Lower	Upper
165	100		
63	55.2	42.3	63.5
89	54.8	43.1	64.7

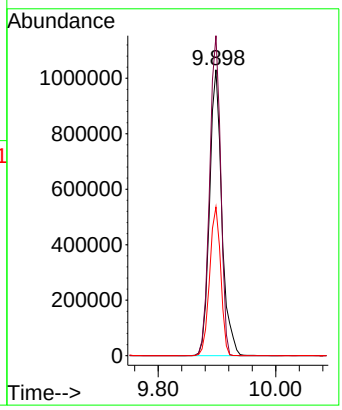




#52
Acenaphthene
Concen: 71.956 ng
RT: 9.898 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:154 Resp: 148780

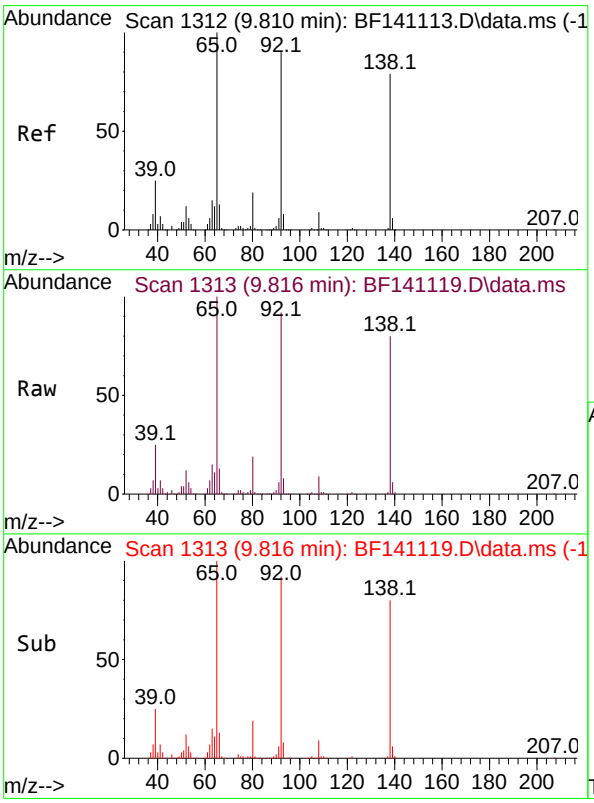
Ion	Ratio	Lower	Upper
154	100		
153	111.9	89.8	134.6
152	52.0	40.8	61.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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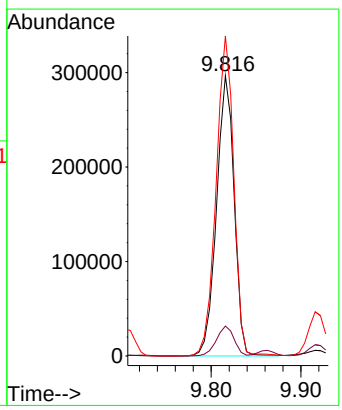
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

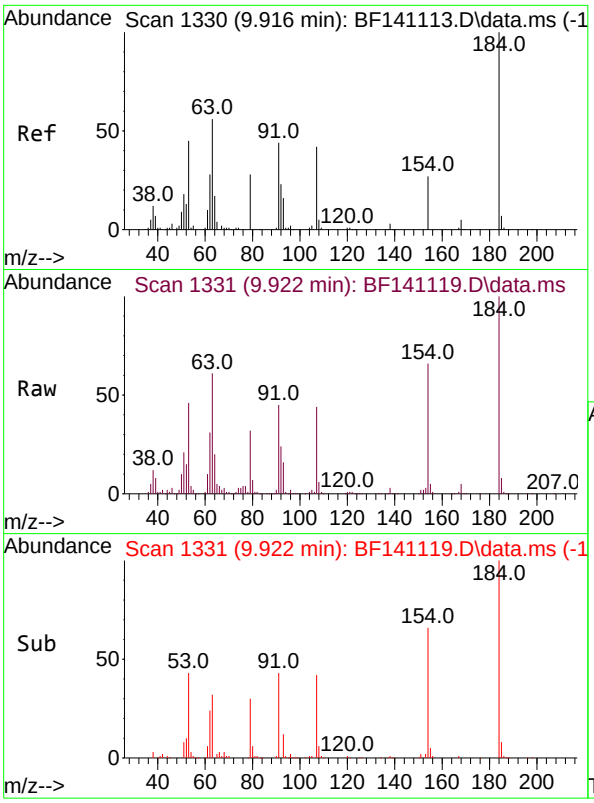


#53
3-Nitroaniline
Concen: 74.366 ng
RT: 9.816 min Scan# 1313
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:138 Resp: 404031

Ion	Ratio	Lower	Upper
138	100		
108	10.7	8.8	13.2
92	114.2	91.3	136.9





#54
2,4-Dinitrophenol
Concen: 91.933 ng
RT: 9.922 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

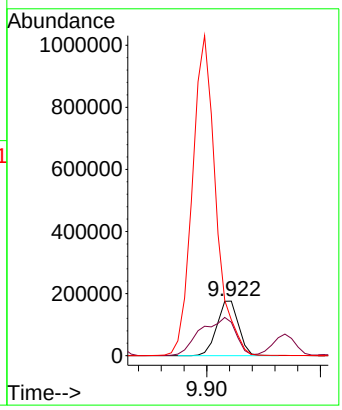
Tgt Ion:184 Resp: 23362

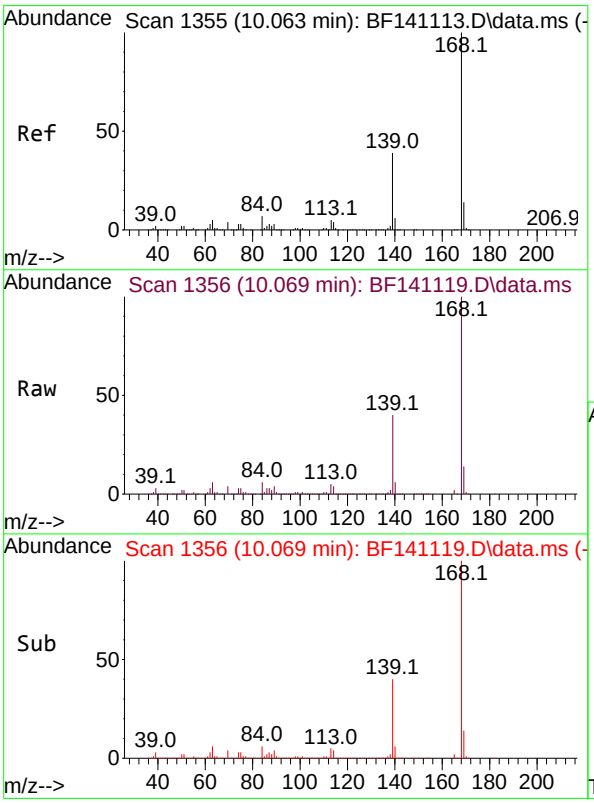
Ion	Ratio	Lower	Upper
184	100		
63	61.4	48.7	73.1
154	65.8	57.1	85.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

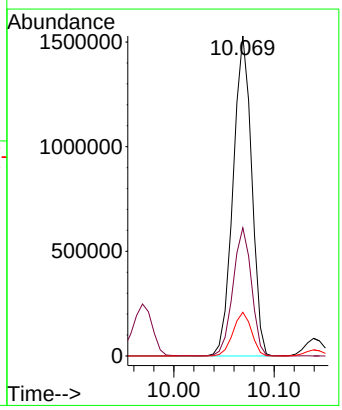


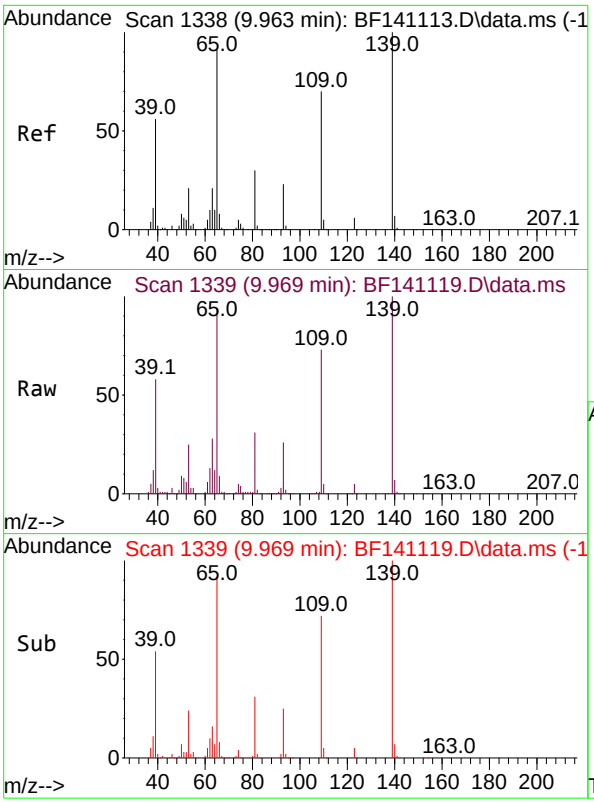


#55
Dibenzofuran
Concen: 70.137 ng
RT: 10.069 min Scan# 1356
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:168 Resp: 1972541

Ion	Ratio	Lower	Upper
168	100		
139	40.1	31.4	47.0
169	13.6	10.9	16.3





#56
4-Nitrophenol
Concen: 79.690 ng
RT: 9.969 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

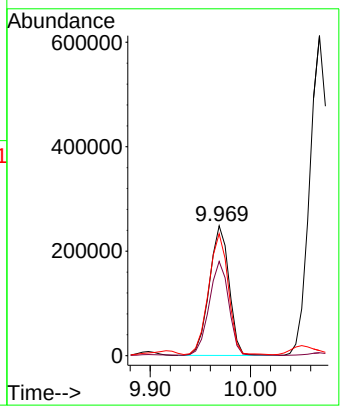
Tgt Ion:139 Resp: 33908

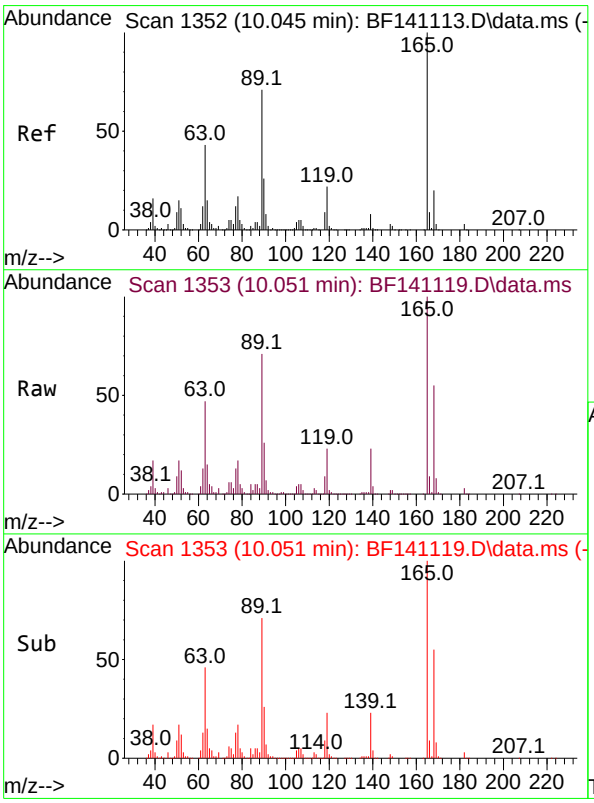
Ion	Ratio	Lower	Upper
139	100		
109	72.6	50.2	90.2
65	93.8	72.1	112.1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

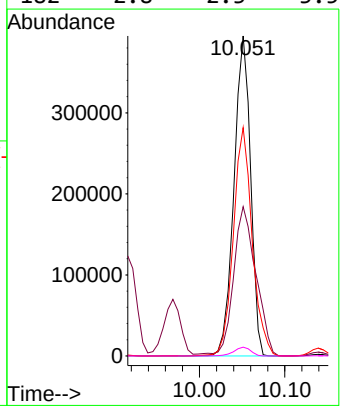


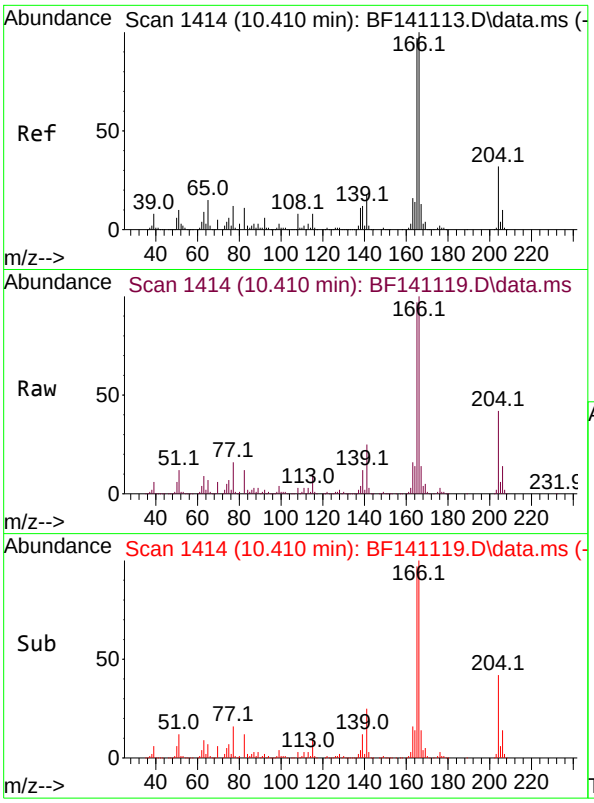


#57
2,4-Dinitrotoluene
Concen: 77.452 ng
RT: 10.051 min Scan# 1353
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:165 Resp: 533647

Ion	Ratio	Lower	Upper
165	100		
63	46.6	35.0	52.4
89	71.3	56.7	85.1
182	2.8	2.3	3.5





#58
Fluorene
Concen: 68.372 ng
RT: 10.410 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

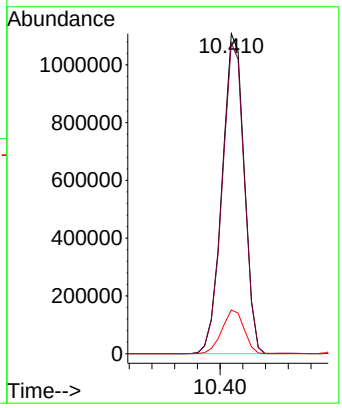
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

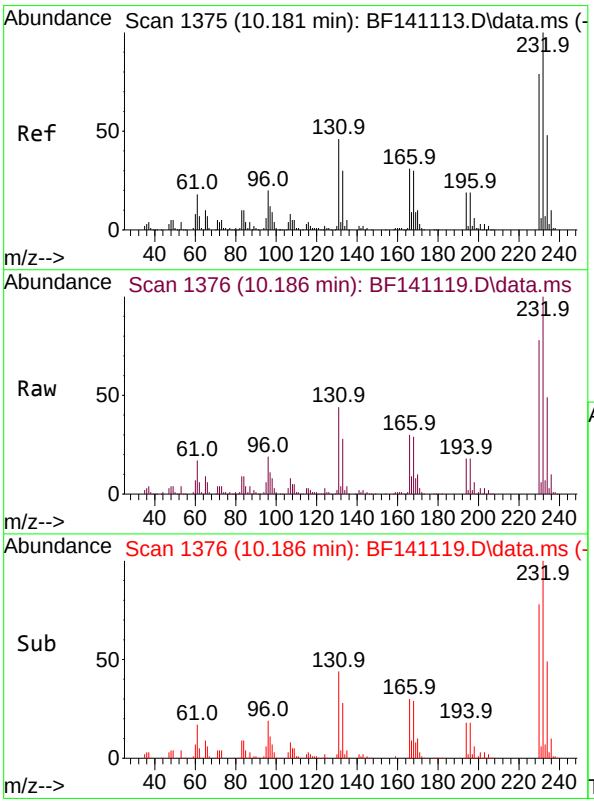
Tgt Ion:166 Resp: 149390

Ion	Ratio	Lower	Upper
166	100		
165	97.1	77.8	116.8
167	13.6	10.8	16.2

Manual Integrations
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Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

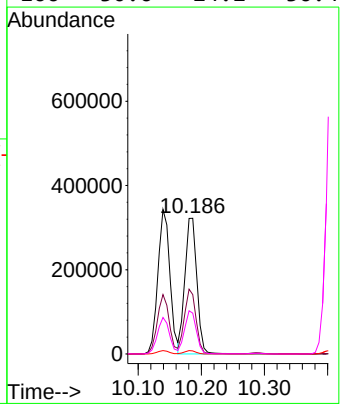


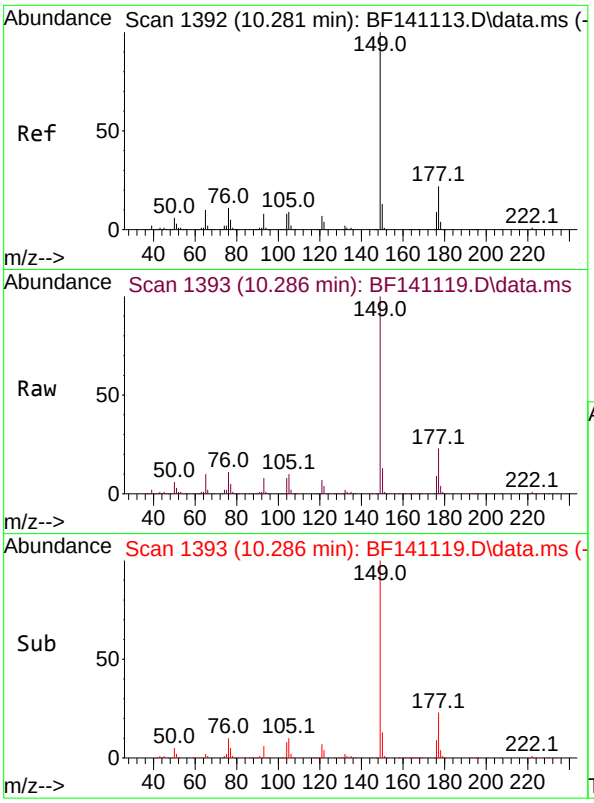


#59
2,3,4,6-Tetrachlorophenol
Concen: 73.631 ng
RT: 10.186 min Scan# 1376
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:232 Resp: 428499

Ion	Ratio	Lower	Upper
232	100		
131	45.8	36.2	54.4
130	2.4	2.0	3.0
166	30.6	24.2	36.4

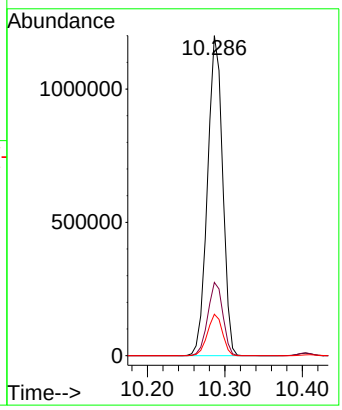




#60
Diethylphthalate
Concen: 72.366 ng
RT: 10.286 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:149 Resp: 162422

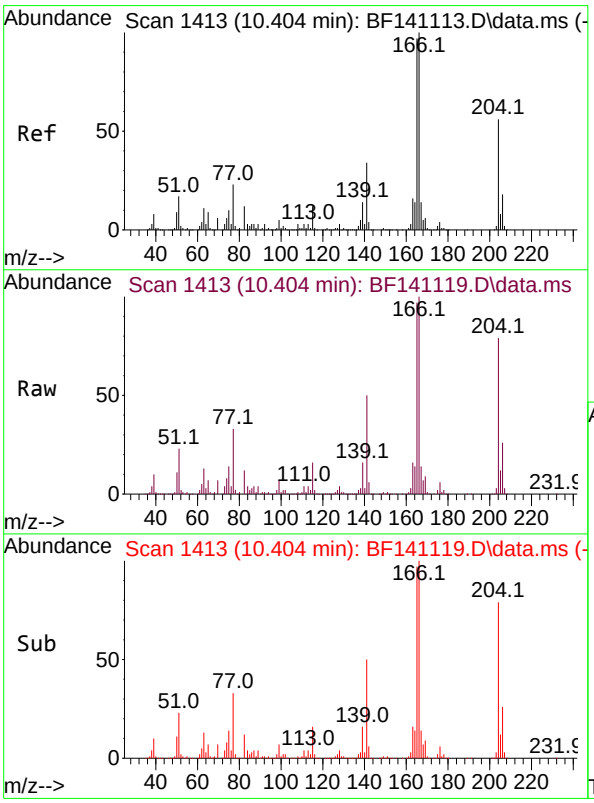
Ion	Ratio	Lower	Upper
149	100		
177	22.9	17.9	26.9
150	12.9	10.2	15.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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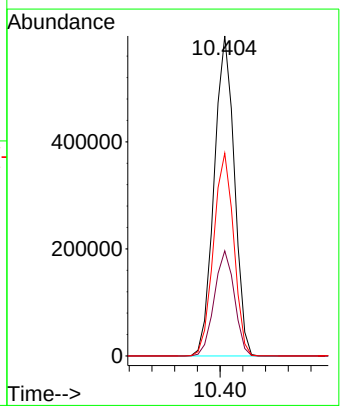
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

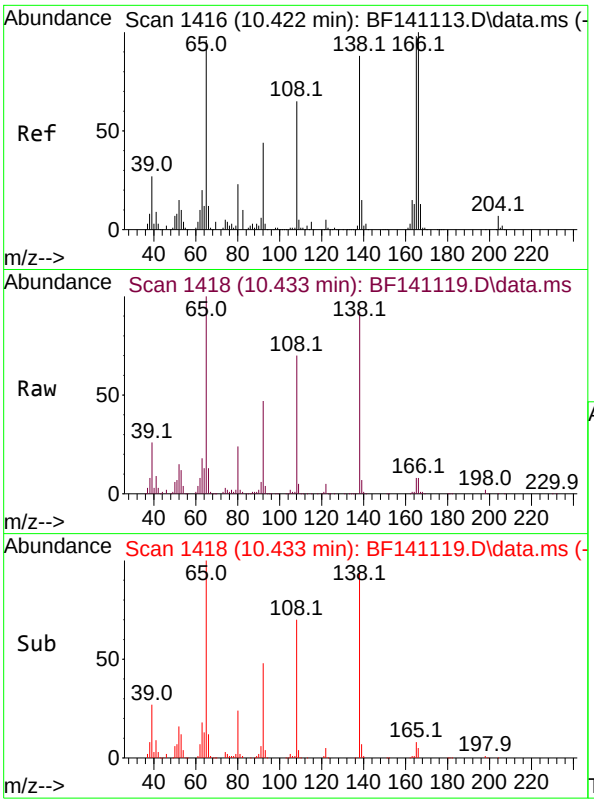


#61
4-Chlorophenyl-phenylether
Concen: 69.400 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:204 Resp: 739051

Ion	Ratio	Lower	Upper
204	100		
206	32.8	25.9	38.9
141	63.4	49.1	73.7





#62
4-Nitroaniline
Concen: 75.992 ng
RT: 10.433 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

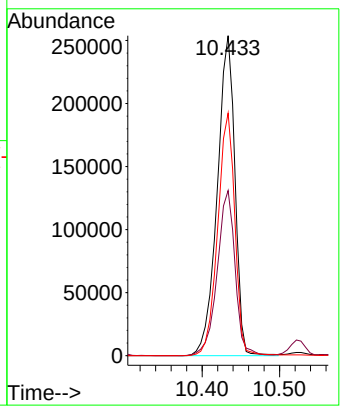
Tgt Ion:138 Resp: 40409

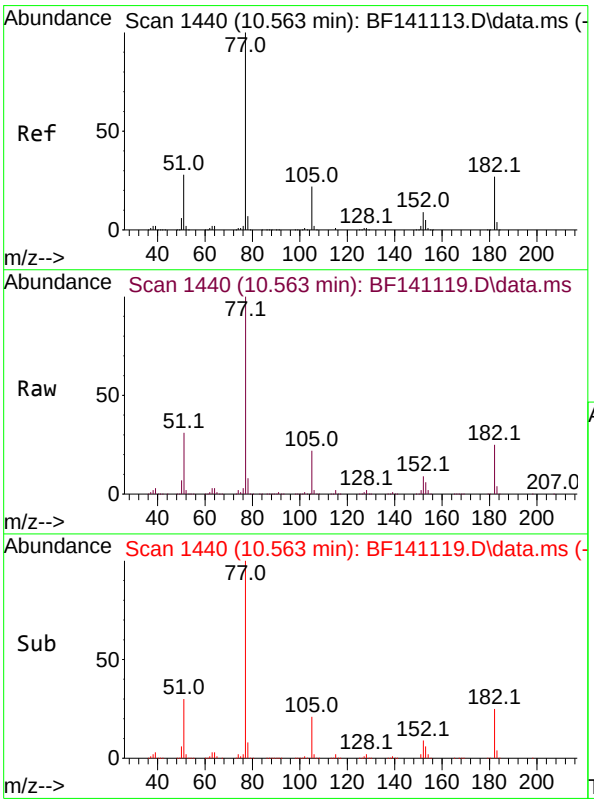
Ion	Ratio	Lower	Upper
138	100		
92	51.6	29.4	69.4
108	75.8	53.7	93.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

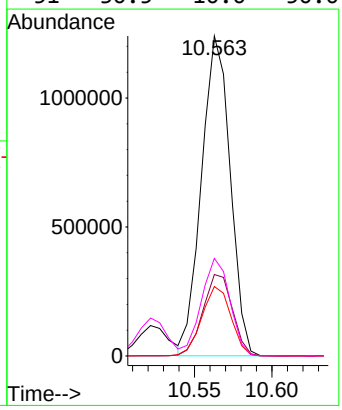


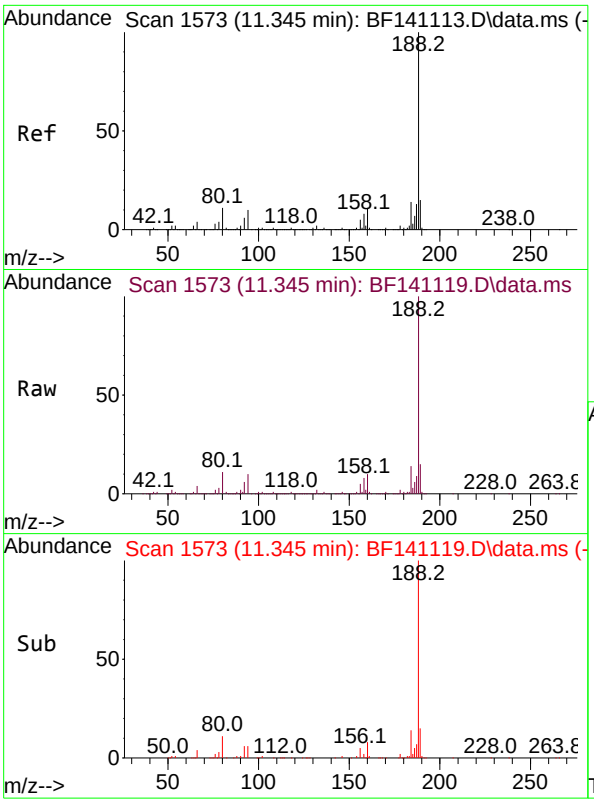


#63
Azobenzene
Concen: 72.150 ng
RT: 10.563 min Scan# 1440
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion: 77 Resp: 1597886

Ion	Ratio	Lower	Upper
77	100		
182	25.4	6.1	46.1
105	21.7	2.1	42.1
51	30.5	10.0	50.0

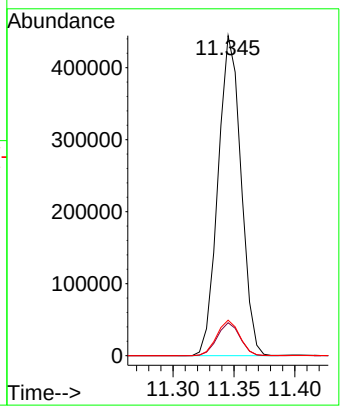




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:188 Resp: 58438

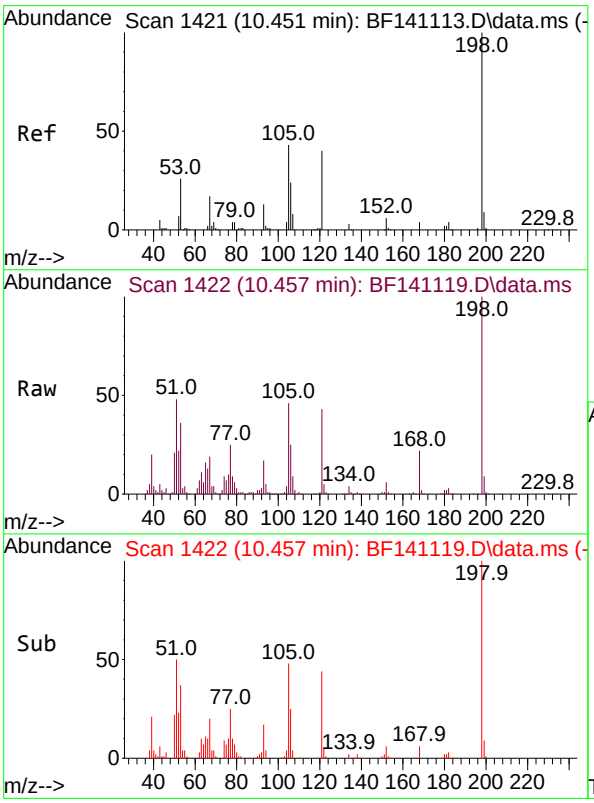
Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.3	12.5
80	11.1	9.0	13.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

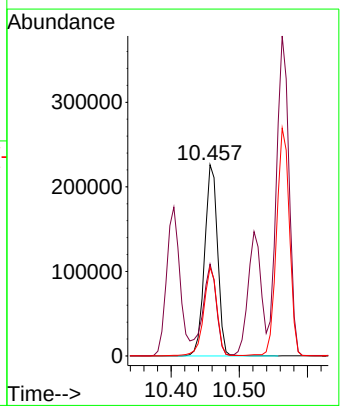
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

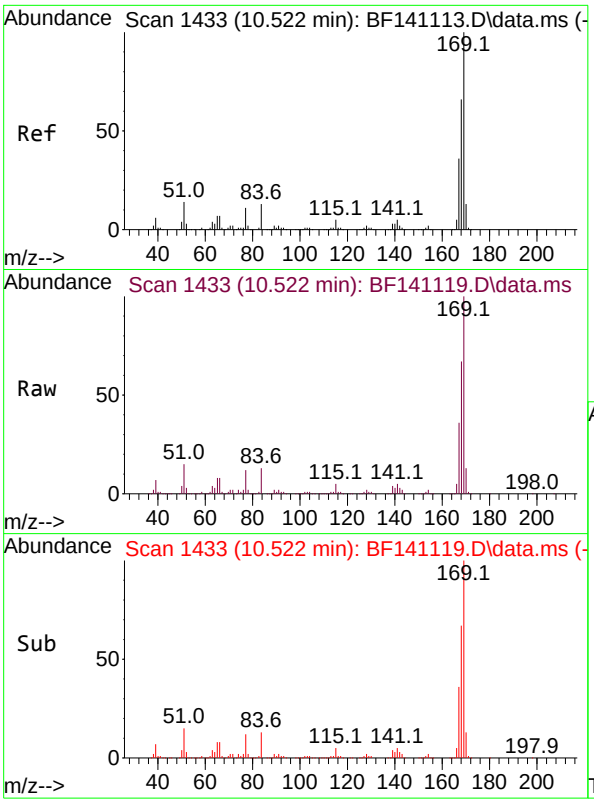


#65
4,6-Dinitro-2-methylphenol
Concen: 88.510 ng
RT: 10.457 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:198 Resp: 299726

Ion	Ratio	Lower	Upper
198	100		
51	48.0	27.1	67.1
105	46.4	24.2	64.2

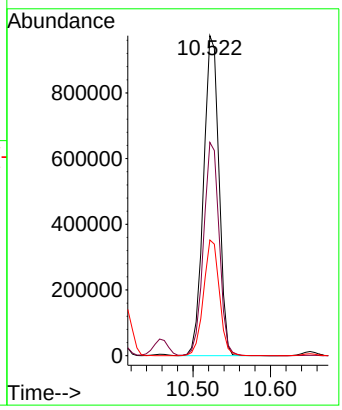




#66
n-Nitrosodiphenylamine
Concen: 71.129 ng
RT: 10.522 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:169 Resp: 134071

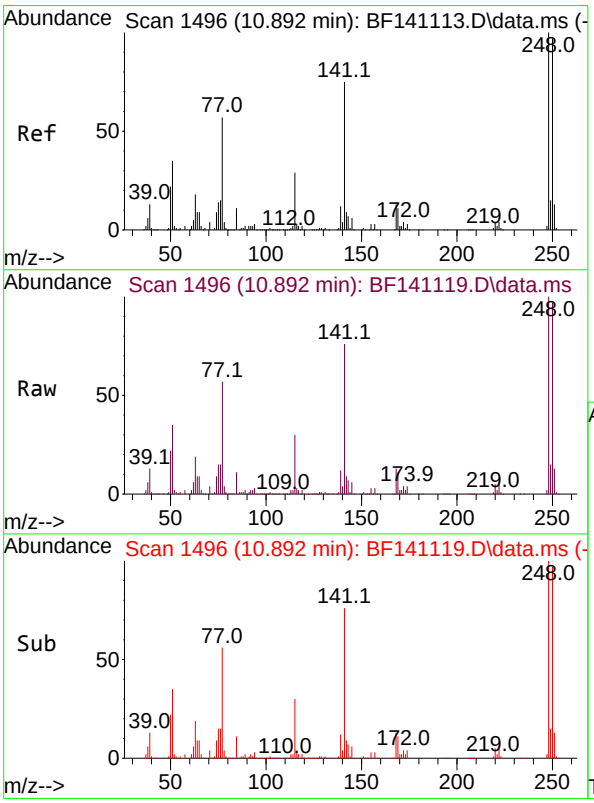
Ion	Ratio	Lower	Upper
169	100		
168	66.6	52.5	78.7
167	36.1	28.9	43.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

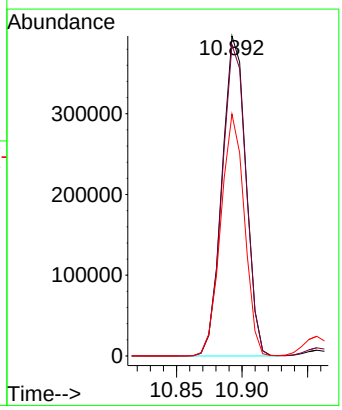
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

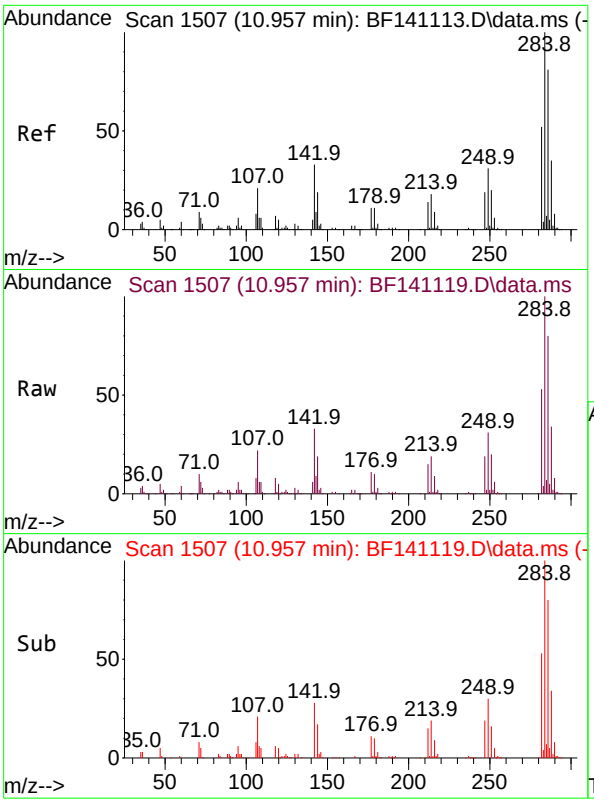


#67
4-Bromophenyl-phenylether
Concen: 74.715 ng
RT: 10.892 min Scan# 1496
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:248 Resp: 502690

Ion	Ratio	Lower	Upper
248	100		
250	97.2	77.9	116.9
141	75.6	59.9	89.9

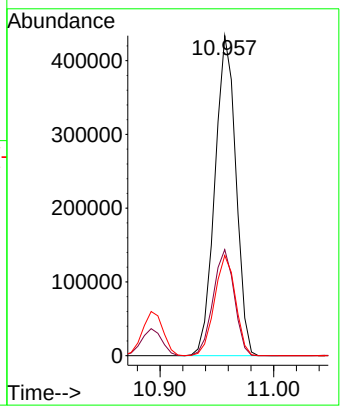




#68
Hexachlorobenzene
Concen: 74.464 ng
RT: 10.957 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:284 Resp: 55770

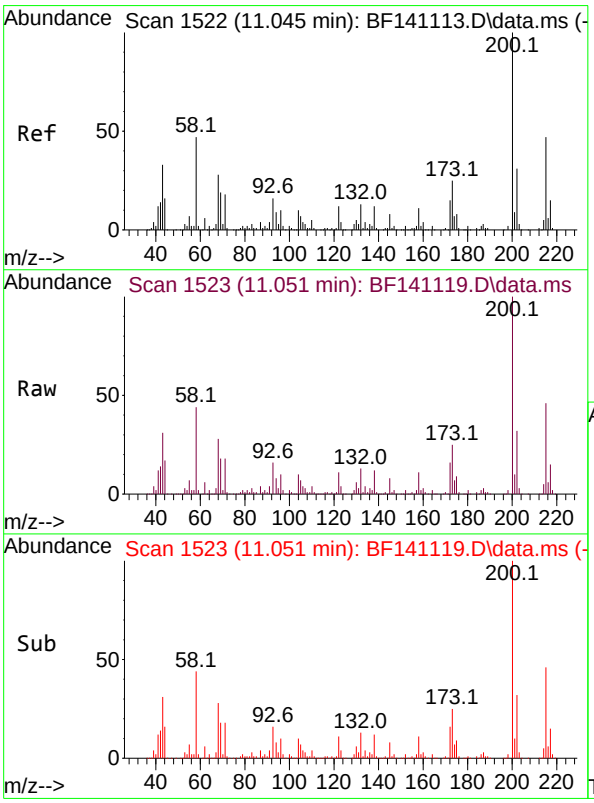
Ion	Ratio	Lower	Upper
284	100		
142	33.2	26.3	39.5
249	31.3	24.9	37.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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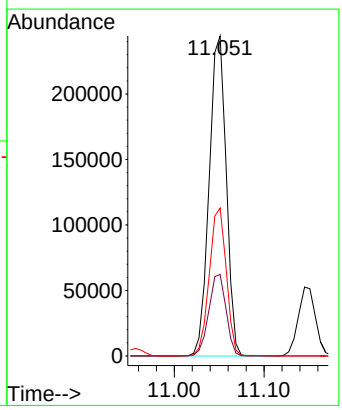
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

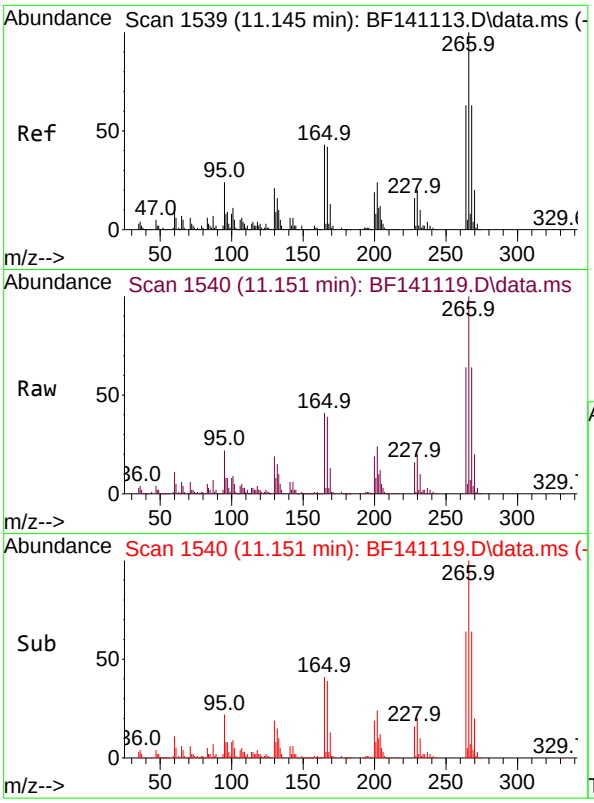


#69
Atrazine
Concen: 63.598 ng
RT: 11.051 min Scan# 1523
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:200 Resp: 322778

Ion	Ratio	Lower	Upper
200	100		
173	25.4	5.4	45.4
215	46.3	26.6	66.6

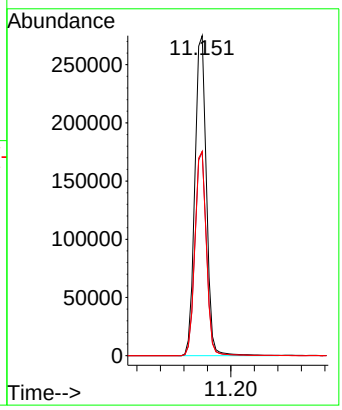




#70
Pentachlorophenol
Concen: 77.927 ng
RT: 11.151 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:266 Resp: 37376

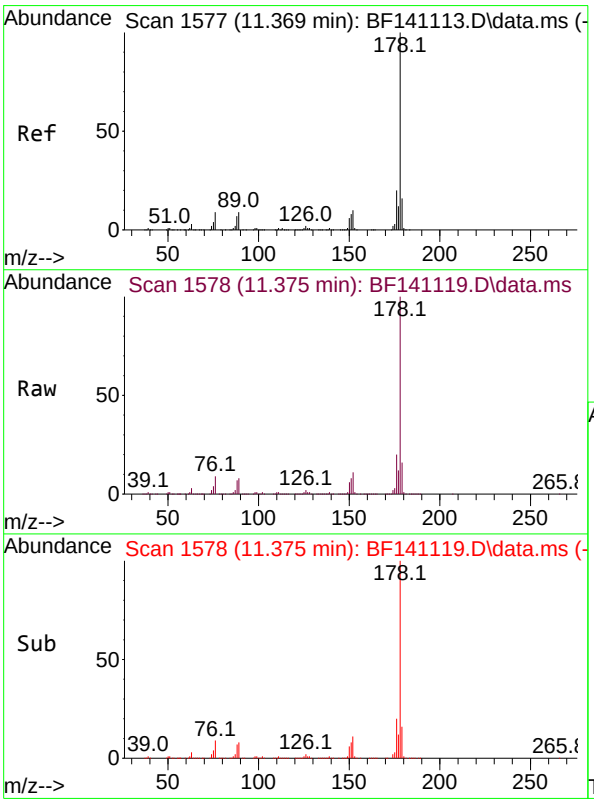
Ion	Ratio	Lower	Upper
266	100		
268	63.7	50.4	75.6
264	63.8	50.2	75.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

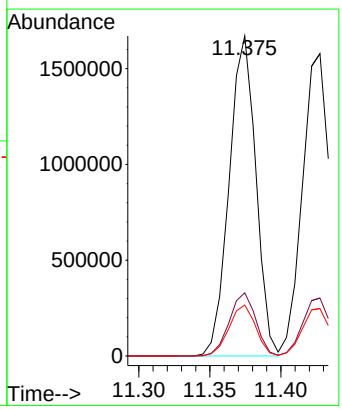
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

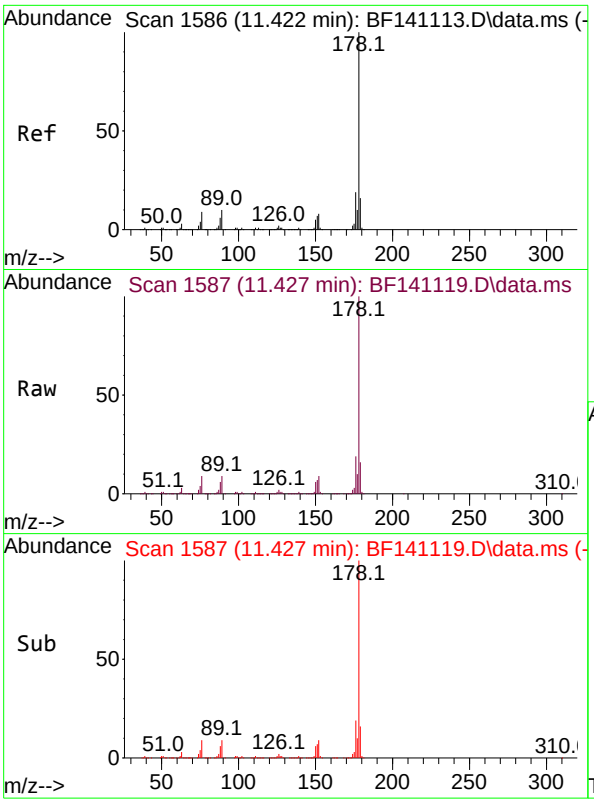


#71
Phenanthrene
Concen: 69.691 ng
RT: 11.375 min Scan# 1578
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:178 Resp: 2186474

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.7	23.5
179	15.9	12.6	19.0

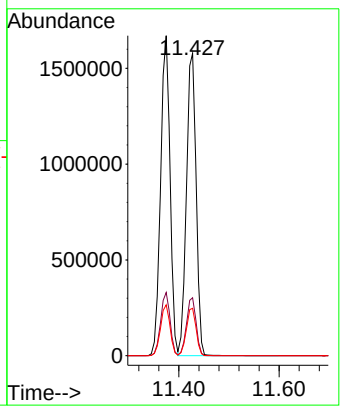




#72
Anthracene
Concen: 69.565 ng
RT: 11.427 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:178 Resp: 212216

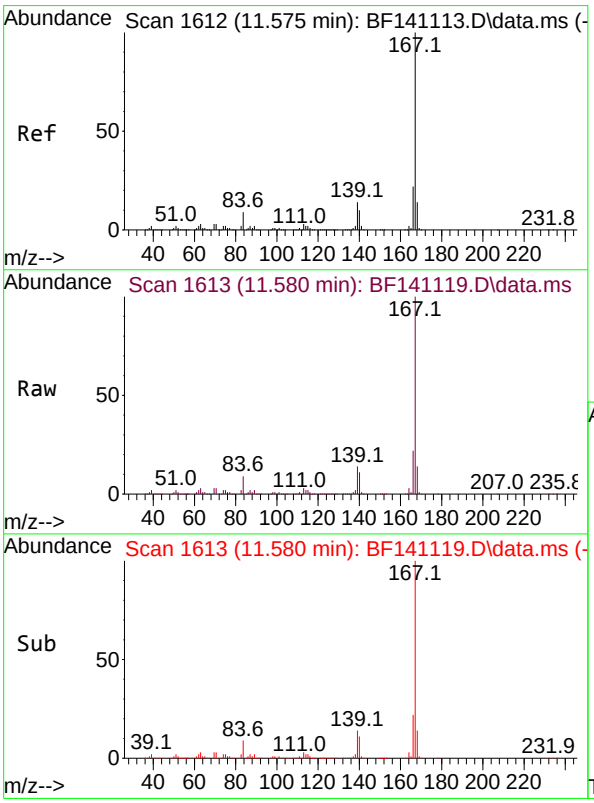
Ion	Ratio	Lower	Upper
178	100		
176	19.2	14.9	22.3
179	15.7	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

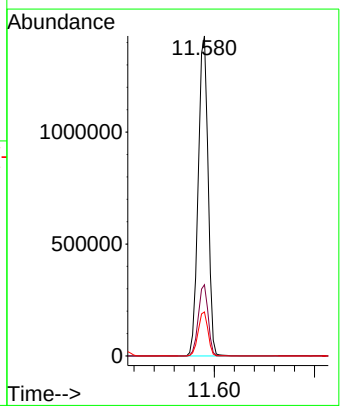
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

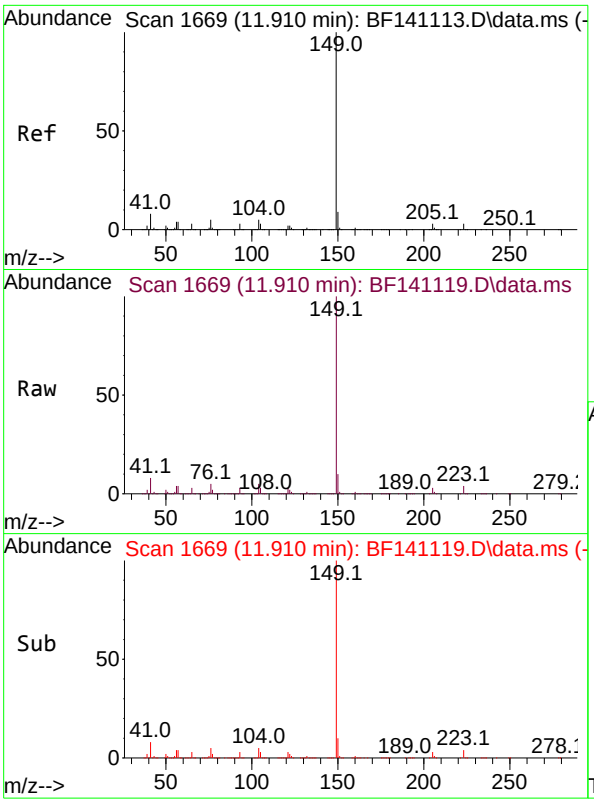


#73
Carbazole
Concen: 69.597 ng
RT: 11.580 min Scan# 1613
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:167 Resp: 1946776

Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.4	26.2
139	13.8	10.9	16.3

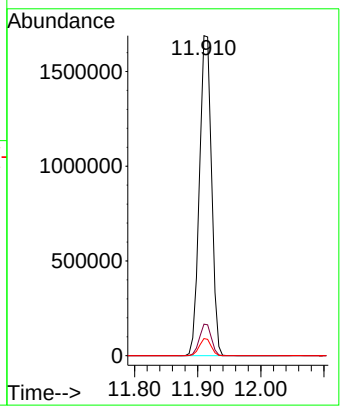




#74
Di-n-butylphthalate
Concen: 69.986 ng
RT: 11.910 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:149 Resp: 224040

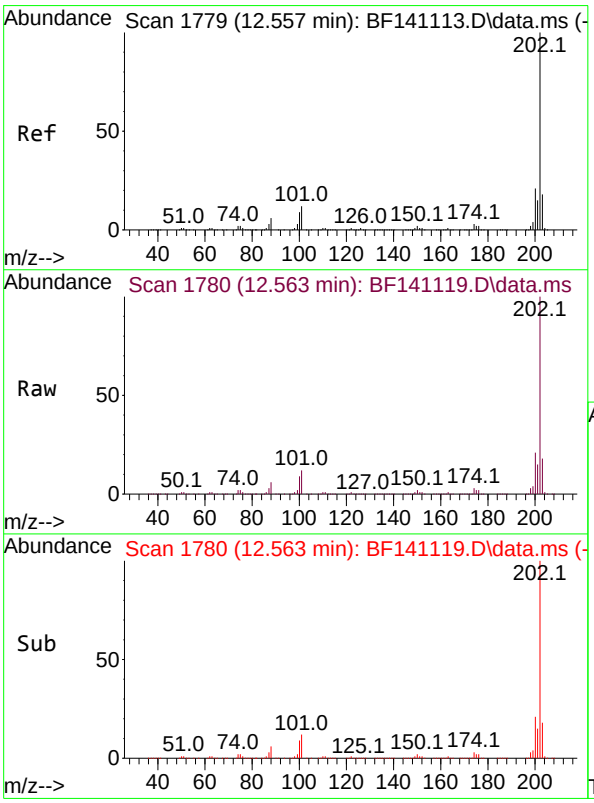
Ion	Ratio	Lower	Upper
149	100		
150	9.8	7.4	11.2
104	5.4	4.2	6.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

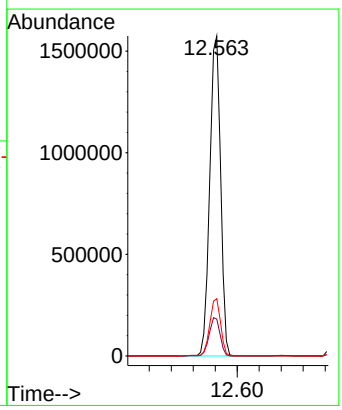
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

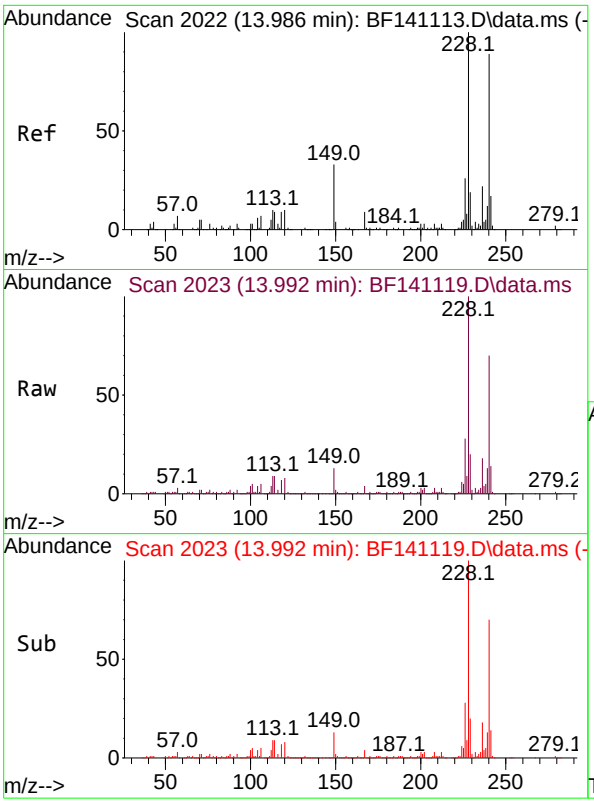


#75
Fluoranthene
Concen: 68.895 ng
RT: 12.563 min Scan# 1780
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:202 Resp: 2156966

Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	32.3
203	17.9	0.0	37.7

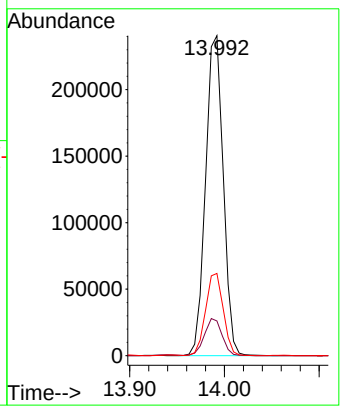




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.992 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:240 Resp: 31087

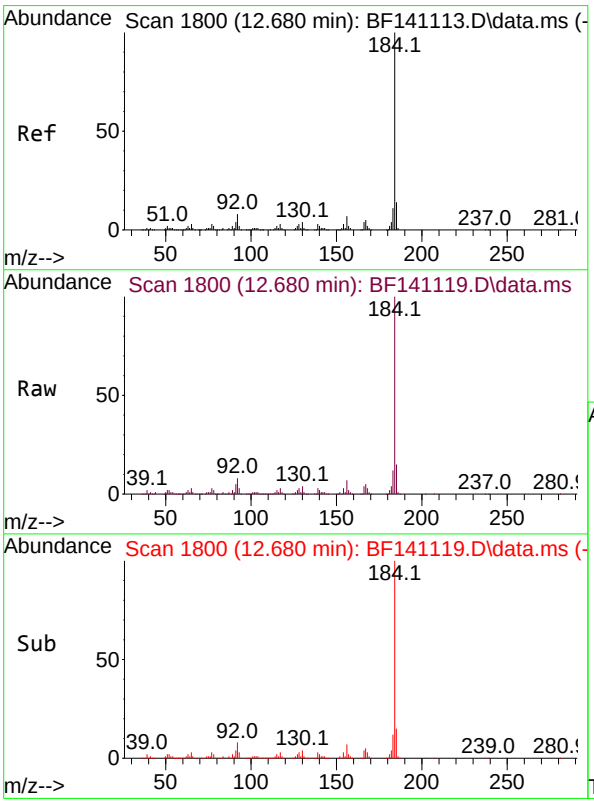
Ion	Ratio	Lower	Upper
240	100		
120	10.8	9.1	13.7
236	25.7	19.8	29.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

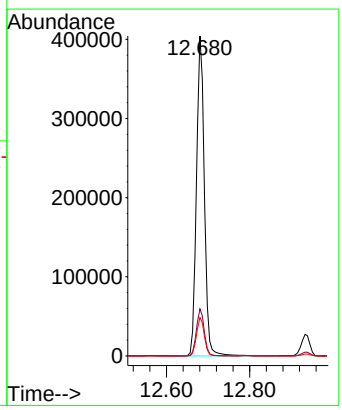
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

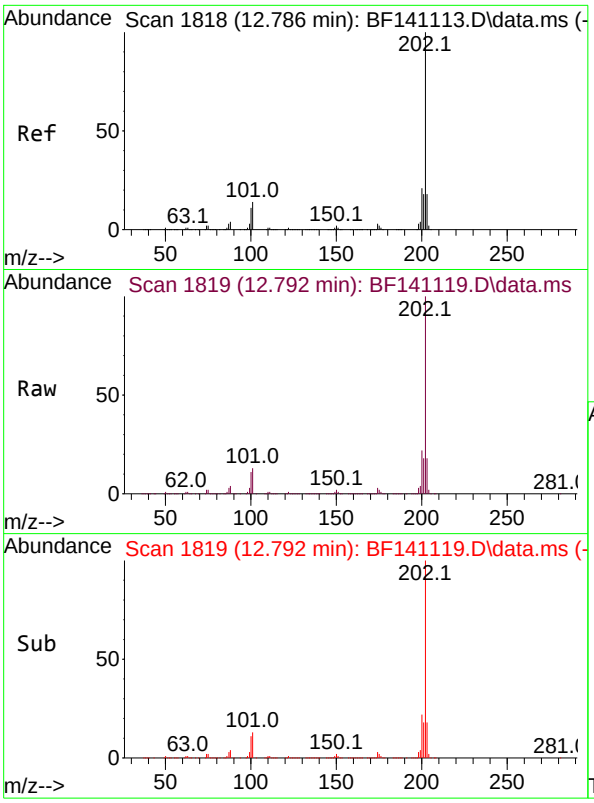


#77
Benzidine
Concen: 92.821 ng
RT: 12.680 min Scan# 1800
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:184 Resp: 535121

Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.4	17.0
183	12.0	9.2	13.8





#78
Pyrene
Concen: 72.034 ng
RT: 12.792 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

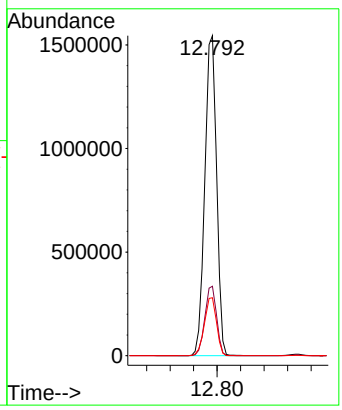
Tgt Ion:202 Resp: 213891

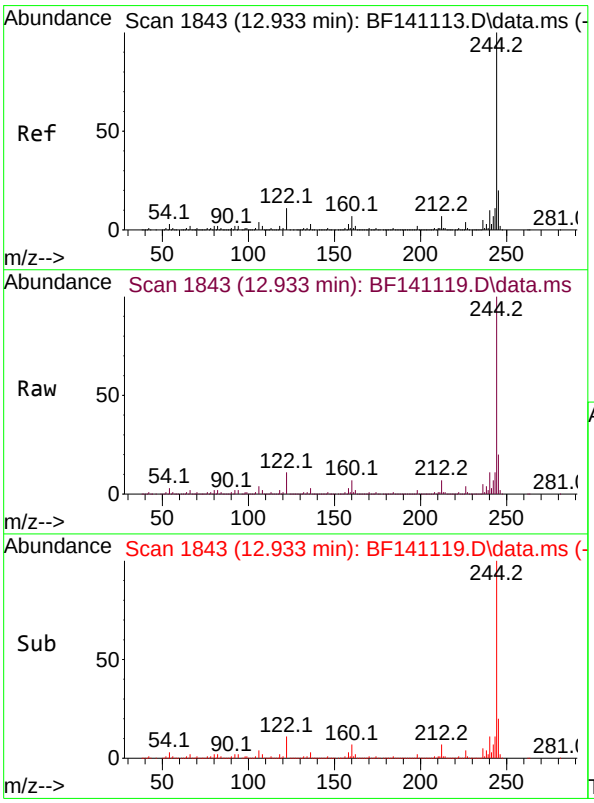
Ion	Ratio	Lower	Upper
202	100		
200	21.7	16.8	25.2
203	18.1	14.3	21.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

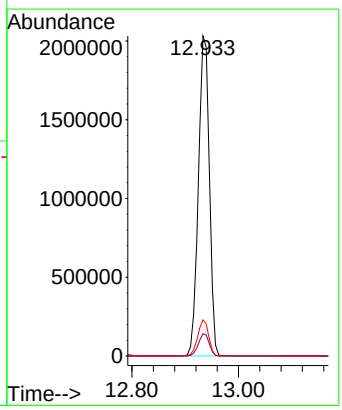


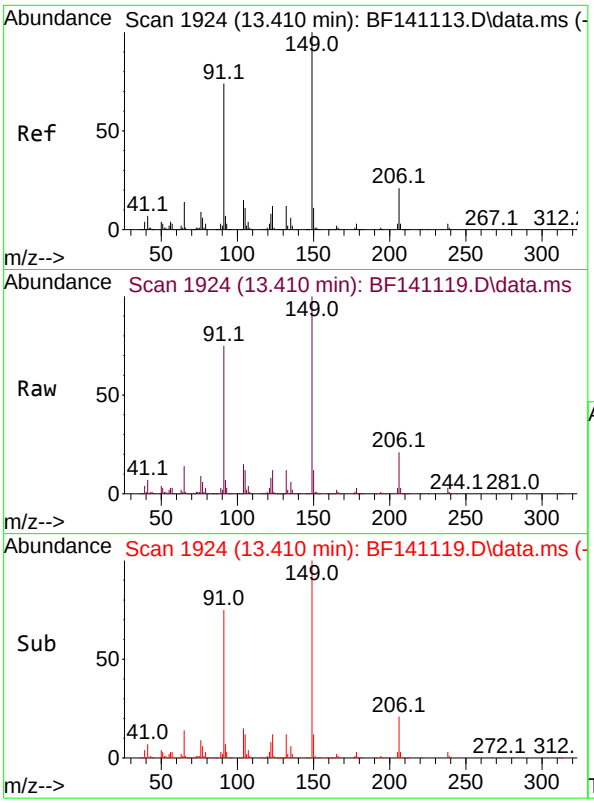


#79
Terphenyl-d14
Concen: 138.433 ng
RT: 12.933 min Scan# 1843
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:244 Resp: 2895506

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.2
122	11.3	8.8	13.2

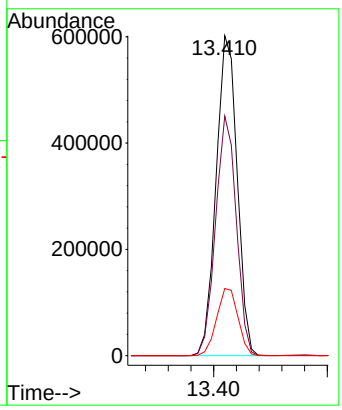




#80
Butylbenzylphthalate
Concen: 78.297 ng
RT: 13.410 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:149 Resp: 7751

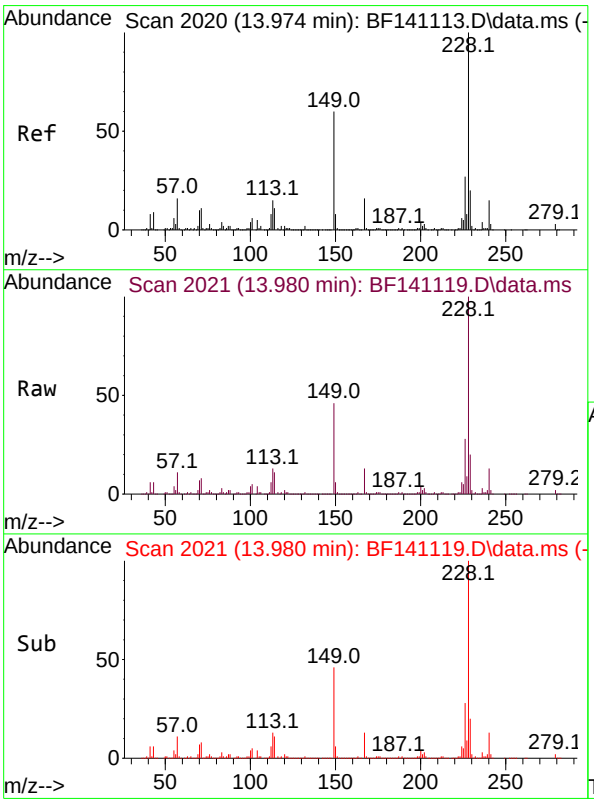
Ion	Ratio	Lower	Upper
149	100		
91	74.9	59.0	88.6
206	21.0	16.5	24.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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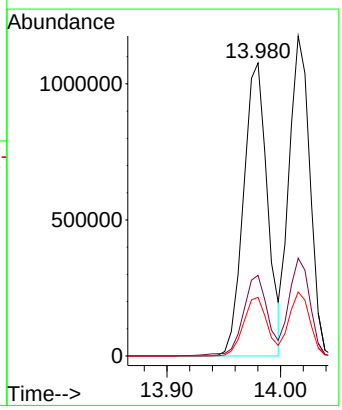
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

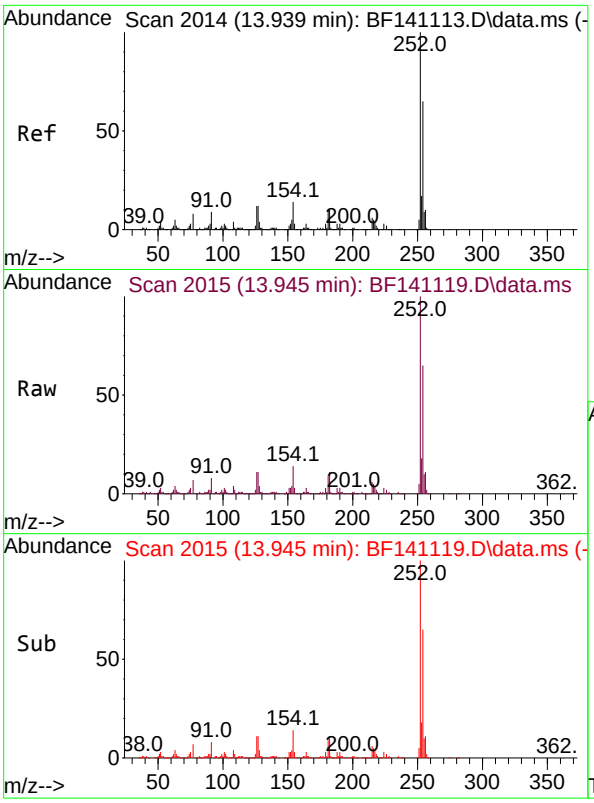


#81
Benzo(a)anthracene
Concen: 74.414 ng
RT: 13.980 min Scan# 2021
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:228 Resp: 1574387

Ion	Ratio	Lower	Upper
228	100		
226	27.5	21.7	32.5
229	20.0	15.7	23.5





#82
3,3'-Dichlorobenzidine
Concen: 82.781 ng
RT: 13.945 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

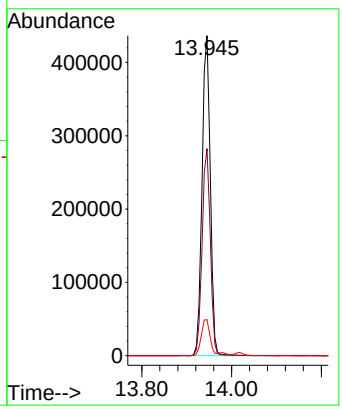
Tgt Ion:252 Resp: 55768

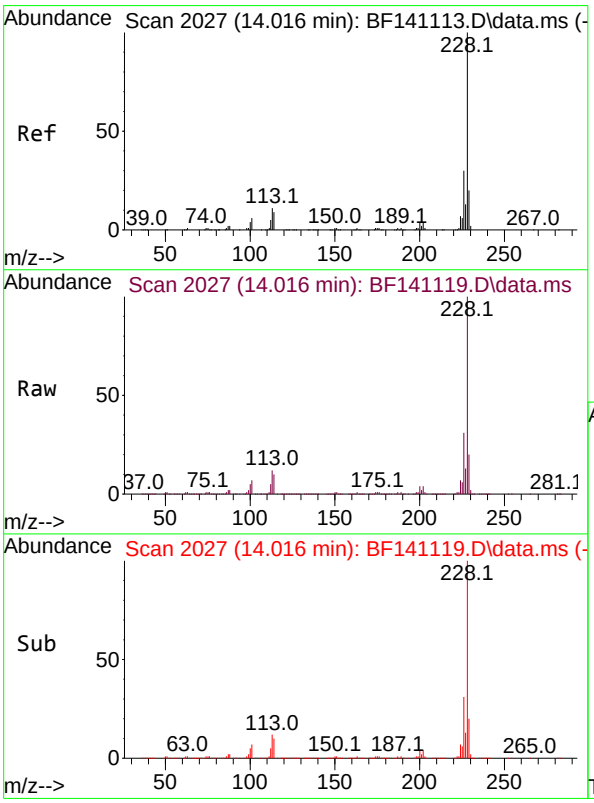
Ion	Ratio	Lower	Upper
252	100		
254	64.7	52.0	78.0
126	11.3	9.4	14.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

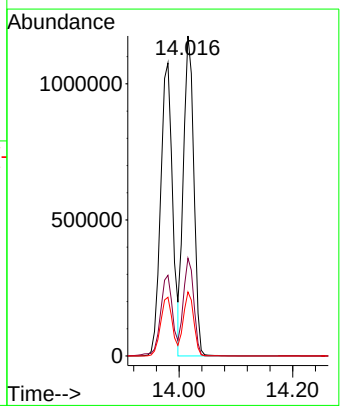


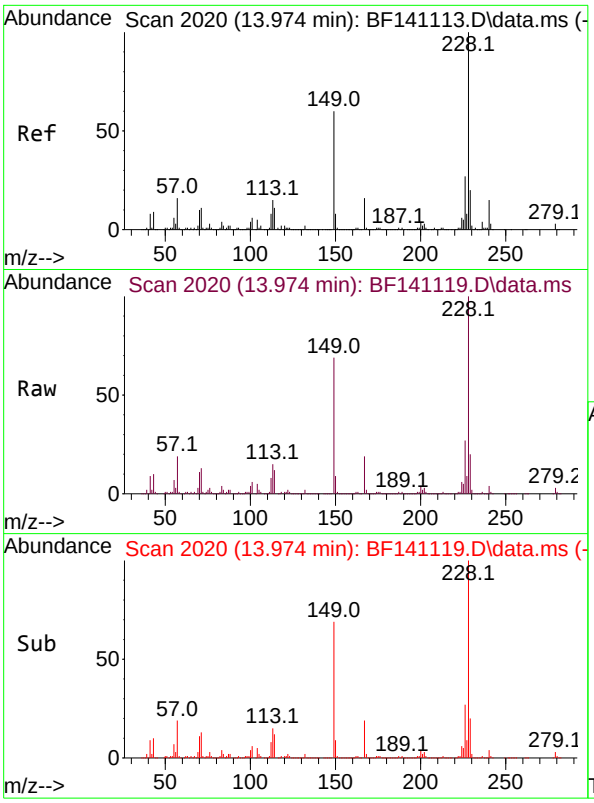


#83
Chrysene
Concen: 75.370 ng
RT: 14.016 min Scan# 2027
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:228 Resp: 1492065

Ion	Ratio	Lower	Upper
228	100		
226	30.6	23.8	35.8
229	20.0	15.8	23.8





#84
Bis(2-ethylhexyl)phthalate
Concen: 74.589 ng
RT: 13.974 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

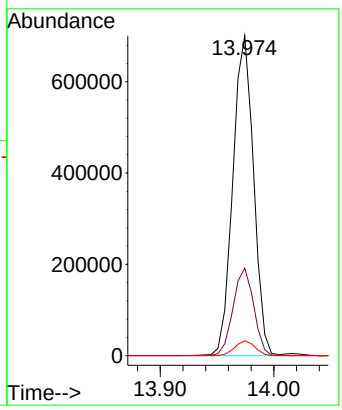
Tgt Ion:149 Resp: 88599

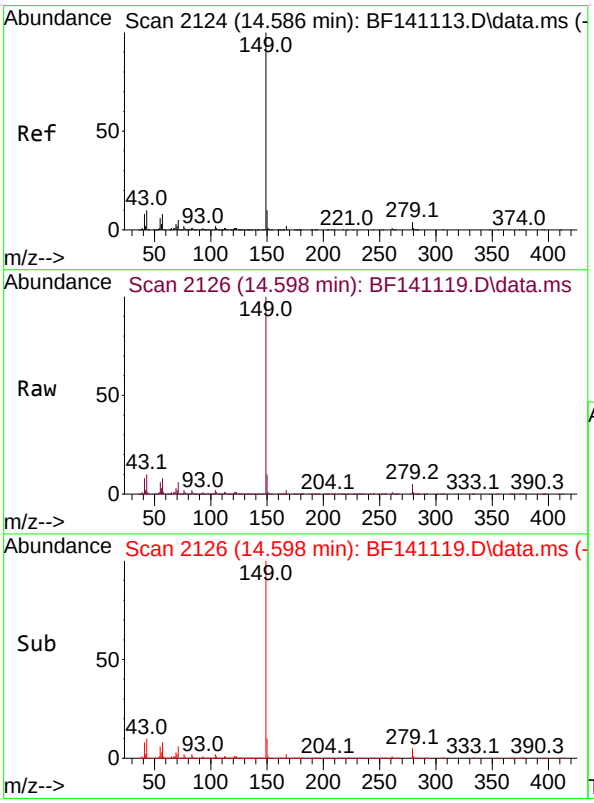
Ion	Ratio	Lower	Upper
149	100		
167	27.3	21.4	32.2
279	4.7	3.4	5.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

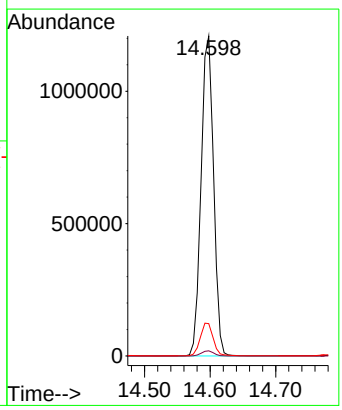


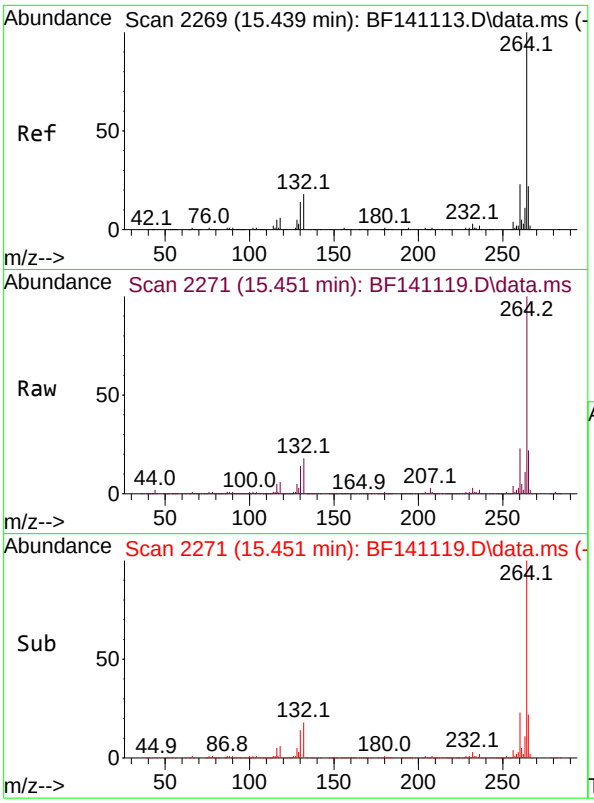


#85
Di-n-octyl phthalate
Concen: 89.471 ng
RT: 14.598 min Scan# 2126
Delta R.T. 0.012 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:149 Resp: 1604851

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	10.6	8.4	12.6

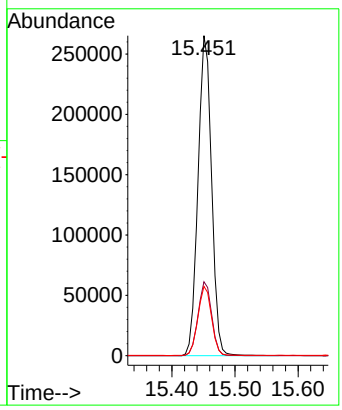




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:264 Resp: 39598

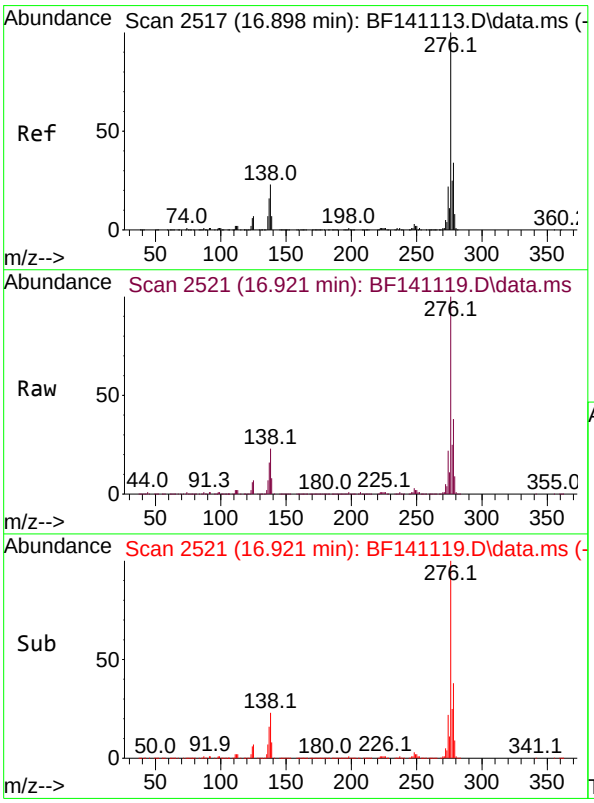
Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.6	28.0
265	21.7	17.4	26.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

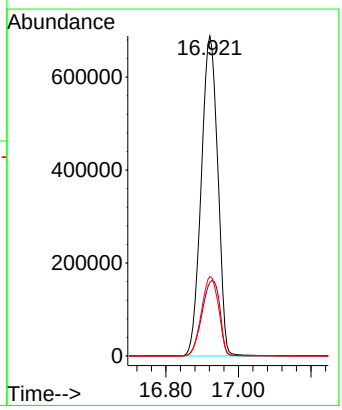
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

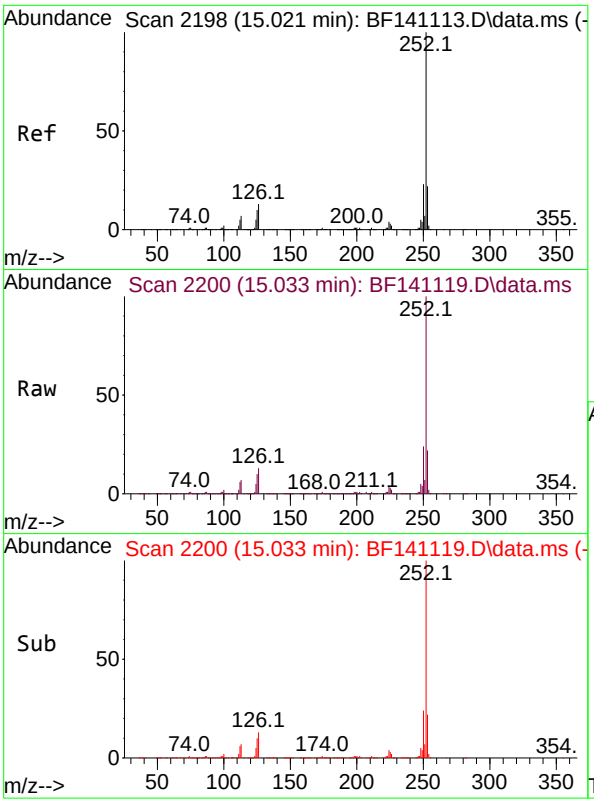


#87
Indeno(1,2,3-cd)pyrene
Concen: 75.032 ng
RT: 16.921 min Scan# 2521
Delta R.T. 0.023 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:276 Resp: 2176761

Ion	Ratio	Lower	Upper
276	100		
138	25.5	20.7	31.1
277	25.7	20.6	30.8

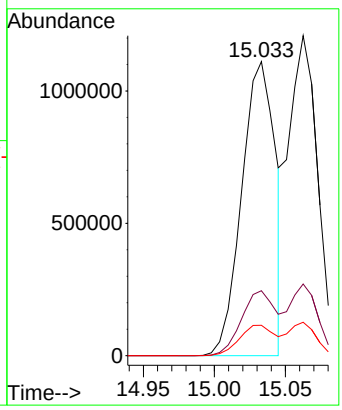




#88
Benzo(b)fluoranthene
Concen: 71.685 ng
RT: 15.033 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:252 Resp: 183044

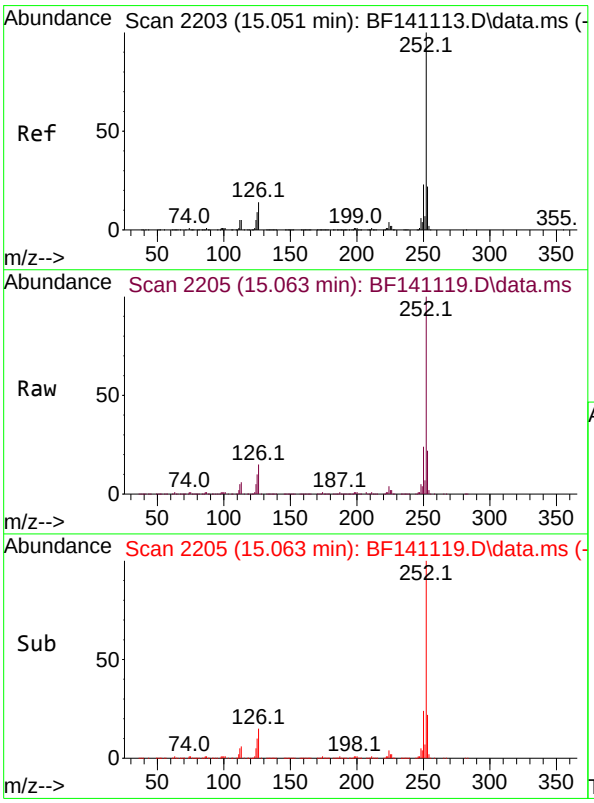
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.6
125	10.3	8.1	12.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

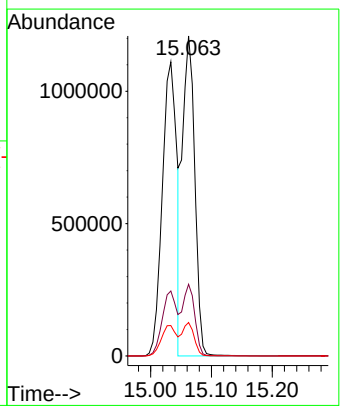
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

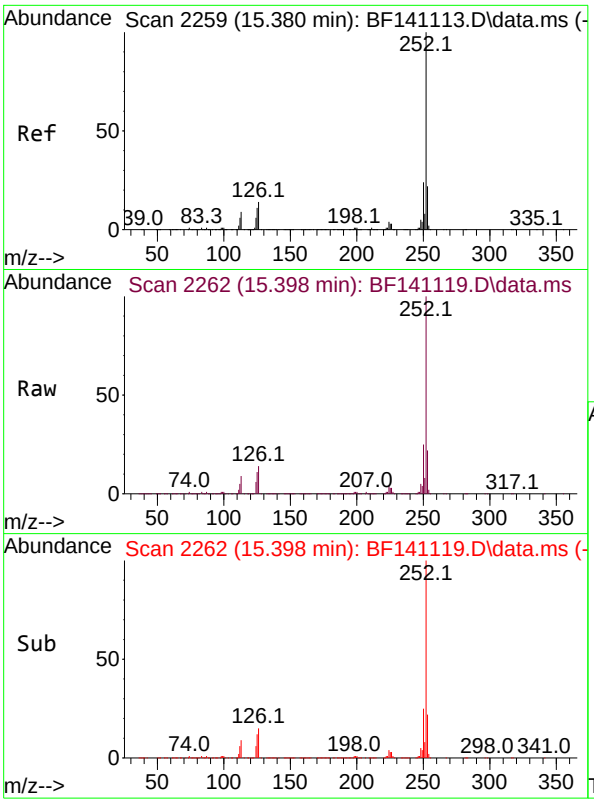


#89
Benzo(k)fluoranthene
Concen: 78.843 ng
RT: 15.063 min Scan# 2205
Delta R.T. 0.012 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:252 Resp: 1701343

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.8
125	10.5	7.9	11.9

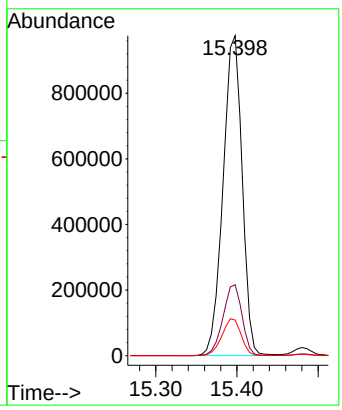




#90
Benzo(a)pyrene
Concen: 75.707 ng
RT: 15.398 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:252 Resp: 159495

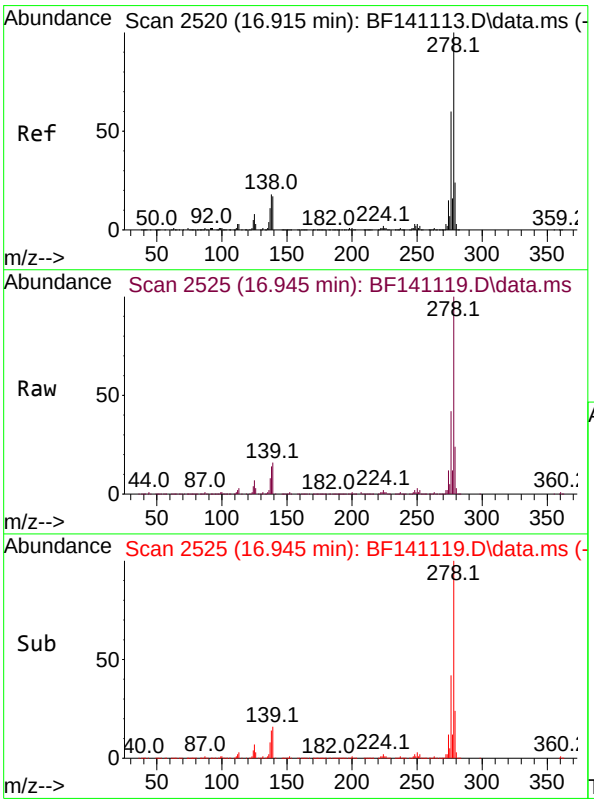
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	11.1	9.1	13.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

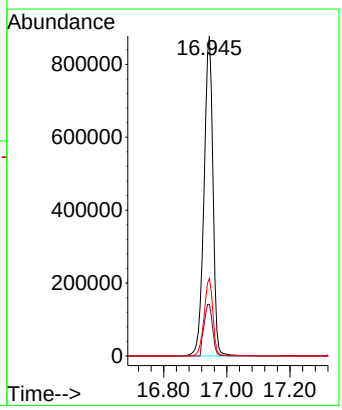
Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

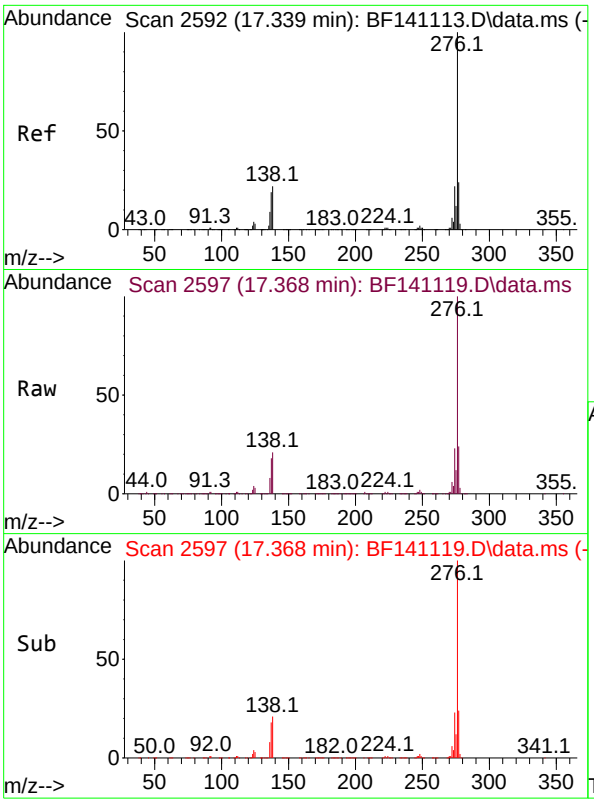


#91
Dibenzo(a,h)anthracene
Concen: 73.436 ng
RT: 16.945 min Scan# 2525
Delta R.T. 0.029 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:278 Resp: 1723136

Ion	Ratio	Lower	Upper
278	100		
139	16.1	13.8	20.6
279	24.2	19.1	28.7

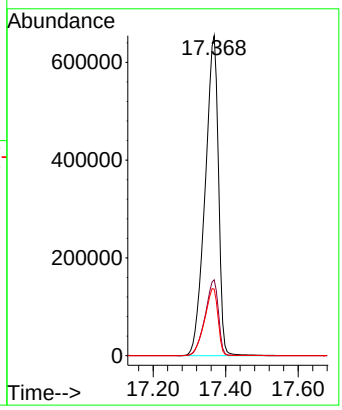




#92
Benzo(g,h,i)perylene
Concen: 68.190 ng
RT: 17.368 min Scan# 2
Delta R.T. 0.029 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:276 Resp: 166429

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.0	28.4
138	20.8	17.4	26.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/13/2025
Supervised By :Jagrut Upadhyay 01/13/2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141120.D
Acq On : 10 Jan 2025 18:12
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF011025

Quant Time: Jan 10 22:57:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.822	152	158167	20.000	ng		0.00
21) Naphthalene-d8	8.104	136	612449	20.000	ng		0.00
39) Acenaphthene-d10	9.857	164	314997	20.000	ng		0.00
64) Phenanthrene-d10	11.345	188	516568	20.000	ng		0.00
76) Chrysene-d12	13.986	240	274205	20.000	ng		0.00
86) Perylene-d12	15.451	264	318189	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.428	112	820256	80.114	ng		0.00
7) Phenol-d6	6.445	99	1009028	77.801	ng		0.00
23) Nitrobenzene-d5	7.387	82	900254	77.918	ng		0.00
42) 2,4,6-Tribromophenol	10.645	330	285534	79.554	ng		0.00
45) 2-Fluorobiphenyl	9.181	172	1614765	78.281	ng		0.00
79) Terphenyl-d14	12.933	244	1456542	78.951	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.534	88	186646	40.936	ng		99
3) Pyridine	3.281	79	450909	40.329	ng		99
4) n-Nitrosodimethylamine	3.228	42	226129	41.363	ng		98
6) Aniline	6.481	93	453676	39.400	ng		98
8) 2-Chlorophenol	6.604	128	431526	39.284	ng		99
9) Benzaldehyde	6.369	77	290165	37.987	ng		99
10) Phenol	6.457	94	541991	39.039	ng		98
11) bis(2-Chloroethyl)ether	6.557	93	399965	38.657	ng		99
12) 1,3-Dichlorobenzene	6.763	146	476822	38.919	ng		99
13) 1,4-Dichlorobenzene	6.840	146	481058	38.965	ng		100
14) 1,2-Dichlorobenzene	6.992	146	444004	38.555	ng		99
15) Benzyl Alcohol	6.957	79	364926	38.962	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.098	45	549884	38.086	ng		99
17) 2-Methylphenol	7.069	107	341712	38.531	ng		100
18) Hexachloroethane	7.334	117	176028	39.427	ng		98
19) n-Nitroso-di-n-propyla...	7.234	70	289047	37.834	ng		100
20) 3+4-Methylphenols	7.222	107	437446	39.098	ng		96
22) Acetophenone	7.228	105	563455	38.700	ng	#	95
24) Nitrobenzene	7.404	77	471786	39.180	ng		99
25) Isophorone	7.639	82	762772	38.631	ng		99
26) 2-Nitrophenol	7.716	139	225470	41.163	ng		97
27) 2,4-Dimethylphenol	7.751	122	291335	39.432	ng		99
28) bis(2-Chloroethoxy)met...	7.851	93	473792	38.235	ng		100
29) 2,4-Dichlorophenol	7.957	162	347943	39.652	ng		100
30) 1,2,4-Trichlorobenzene	8.045	180	391725	39.055	ng		100
31) Naphthalene	8.128	128	1234761	38.230	ng		100
32) Benzoic acid	7.857	122	293529	41.415	ng		99
33) 4-Chloroaniline	8.169	127	427268	38.252	ng		98
34) Hexachlorobutadiene	8.245	225	238001	39.380	ng		98
35) Caprolactam	8.539	113	110830	38.578	ng		95
36) 4-Chloro-3-methylphenol	8.651	107	371891	38.752	ng		100
37) 2-Methylnaphthalene	8.816	142	797256	38.737	ng		99
38) 1-Methylnaphthalene	8.916	142	767986	37.862	ng		99
40) 1,2,4,5-Tetrachloroben...	8.981	216	359153	39.725	ng		99
41) Hexachlorocyclopentadiene	8.969	237	117559	39.744	ng		100
43) 2,4,6-Trichlorophenol	9.092	196	246797	40.474	ng		100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141120.D
Acq On : 10 Jan 2025 18:12
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF011025

Quant Time: Jan 10 22:57:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

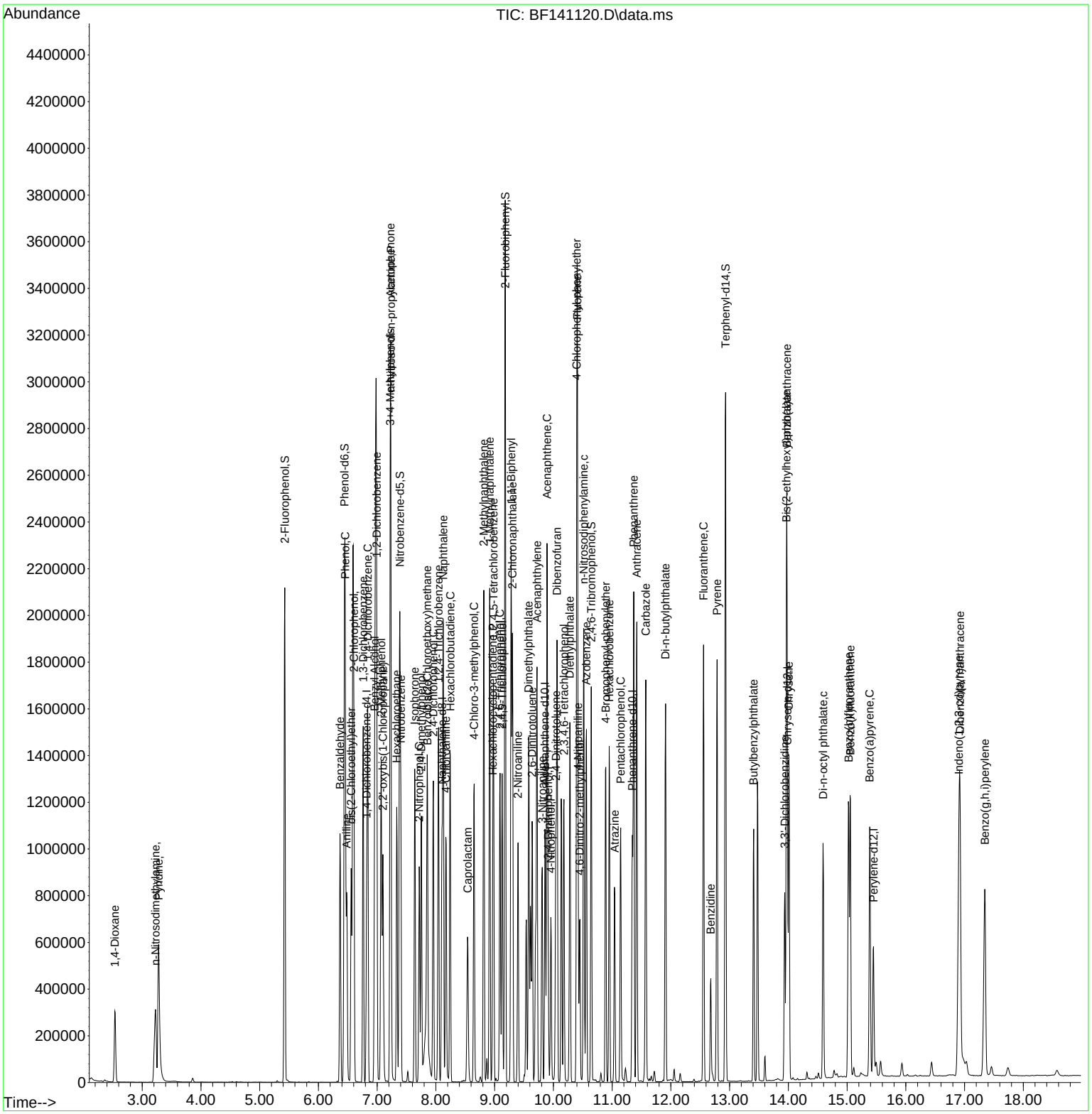
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.128	196	258003	40.064	ng		99
46) 1,1'-Biphenyl	9.281	154	970736	39.682	ng		99
47) 2-Chloronaphthalene	9.304	162	752248	39.481	ng		100
48) 2-Nitroaniline	9.398	65	227785	40.330	ng		99
49) Acenaphthylene	9.722	152	1071325	39.356	ng		99
50) Dimethylphthalate	9.581	163	835630	39.515	ng		100
51) 2,6-Dinitrotoluene	9.639	165	199428	40.554	ng		93
52) Acenaphthene	9.892	154	753339	39.611	ng		100
53) 3-Nitroaniline	9.810	138	201692	40.360	ng		98
54) 2,4-Dinitrophenol	9.910	184	98794	42.266	ng	#	56
55) Dibenzofuran	10.063	168	1007778	38.957	ng		99
56) 4-Nitrophenol	9.957	139	152518	38.970	ng		94
57) 2,4-Dinitrotoluene	10.045	165	258400	40.773	ng		99
58) Fluorene	10.410	166	779173	38.770	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.180	232	211938	39.593	ng		99
60) Diethylphthalate	10.280	149	803338	38.912	ng		99
61) 4-Chlorophenyl-phenyle...	10.398	204	377526	38.542	ng		95
62) 4-Nitroaniline	10.422	138	192093	39.273	ng		98
63) Azobenzene	10.563	77	791308	38.845	ng		99
65) 4,6-Dinitro-2-methylph...	10.451	198	133479	44.592	ng		98
66) n-Nitrosodiphenylamine	10.516	169	680537	40.845	ng		99
67) 4-Bromophenyl-phenylether	10.892	248	244318	41.081	ng		99
68) Hexachlorobenzene	10.951	284	270074	40.794	ng		97
69) Atrazine	11.045	200	139816	31.165	ng		99
70) Pentachlorophenol	11.145	266	176156	41.549	ng		100
71) Phenanthrene	11.369	178	1095830	39.514	ng		99
72) Anthracene	11.422	178	1072960	39.789	ng		100
73) Carbazole	11.575	167	957273	38.715	ng		100
74) Di-n-butylphthalate	11.910	149	1120353	39.593	ng		100
75) Fluoranthene	12.557	202	1036155	37.440	ng		99
77) Benzidine	12.680	184	245773	48.333	ng		99
78) Pyrene	12.786	202	1035445	39.536	ng		100
80) Butylbenzylphthalate	13.410	149	341737	39.136	ng		97
81) Benzo(a)anthracene	13.974	228	699094	37.462	ng		100
82) 3,3'-Dichlorobenzidine	13.939	252	235420	39.619	ng		99
83) Chrysene	14.010	228	664611	38.062	ng		100
84) Bis(2-ethylhexyl)phtha...	13.968	149	409965	39.130	ng		99
85) Di-n-octyl phthalate	14.592	149	649810	41.072	ng		99
87) Indeno(1,2,3-cd)pyrene	16.904	276	921423	39.527	ng		98
88) Benzo(b)fluoranthene	15.027	252	758252	36.956	ng		99
89) Benzo(k)fluoranthene	15.057	252	664225	38.307	ng		99
90) Benzo(a)pyrene	15.386	252	659605	38.965	ng		100
91) Dibenzo(a,h)anthracene	16.921	278	752974	39.936	ng		99
92) Benzo(g,h,i)perylene	17.345	276	754682	38.482	ng		99

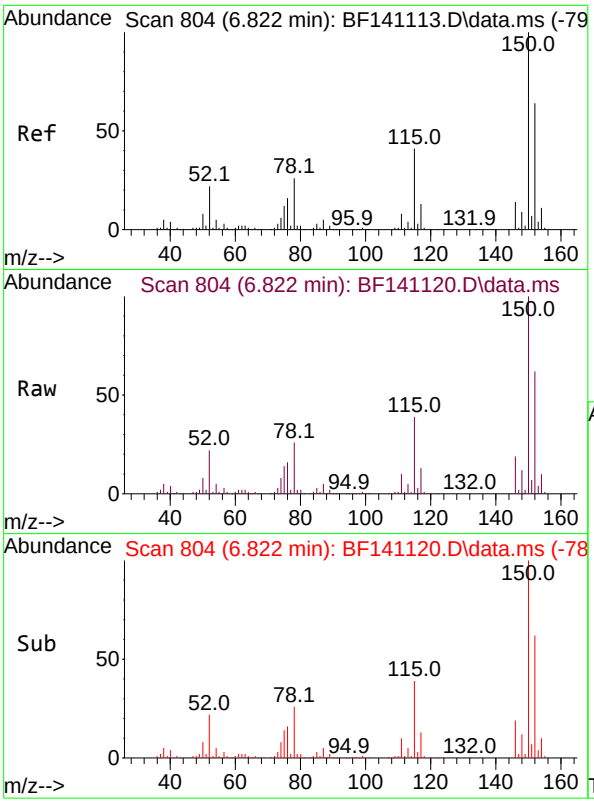
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141120.D
Acq On : 10 Jan 2025 18:12
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF011025

Quant Time: Jan 10 22:57:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration



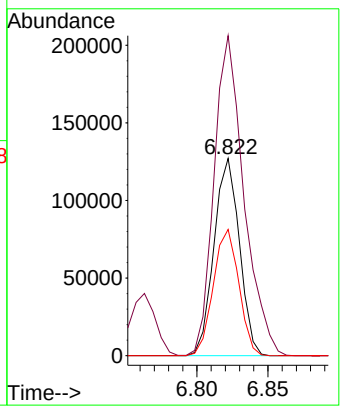


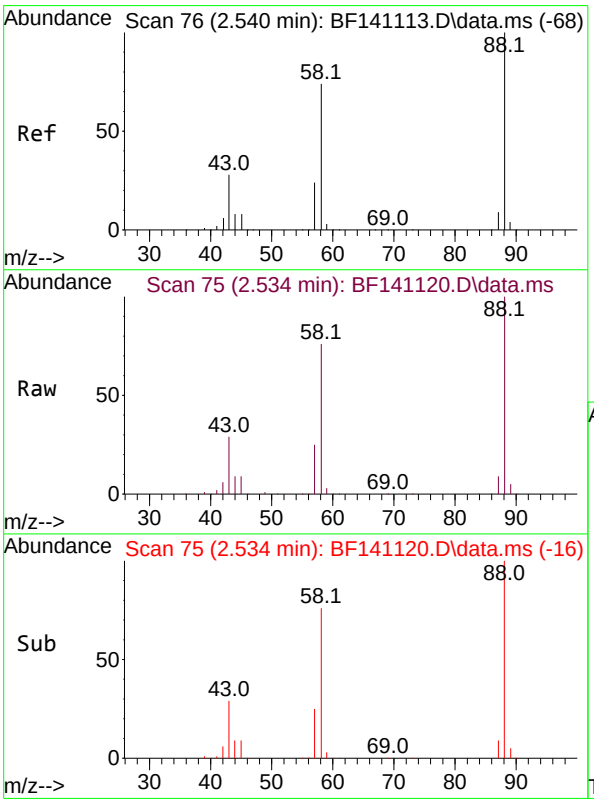
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Instrument :
BNA_F
ClientSampleId :
ICVBF011025

Tgt Ion:152 Resp: 158167

Ion	Ratio	Lower	Upper
152	100		
150	162.2	125.8	188.8
115	64.0	51.4	77.2

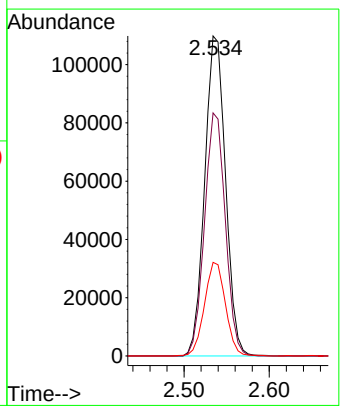


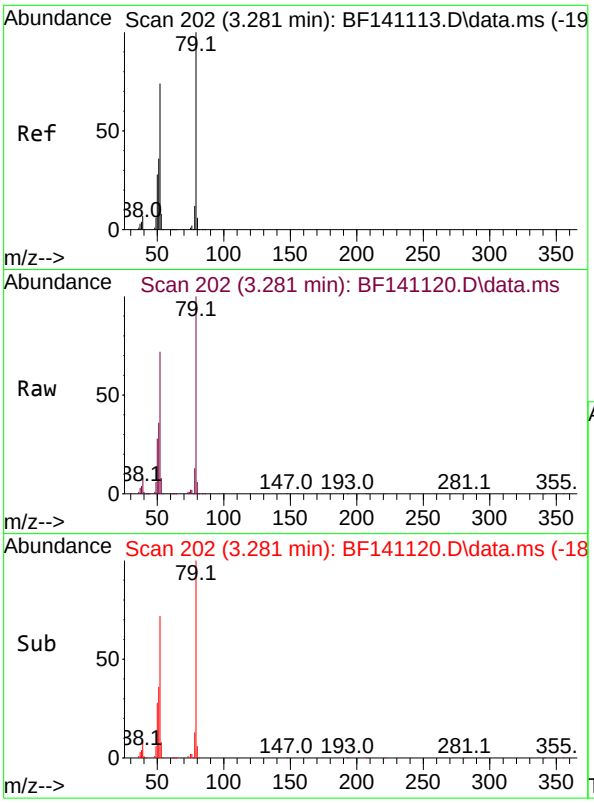


#2
1,4-Dioxane
Concen: 40.936 ng
RT: 2.534 min Scan# 75
Delta R.T. -0.006 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion: 88 Resp: 186646

Ion	Ratio	Lower	Upper
88	100		
58	75.7	60.1	90.1
43	29.5	23.1	34.7



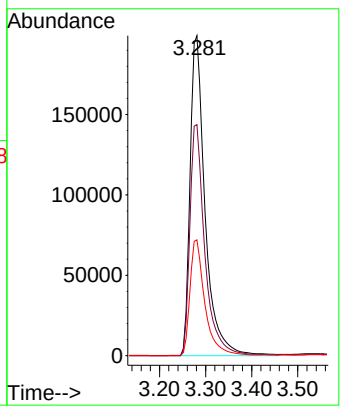


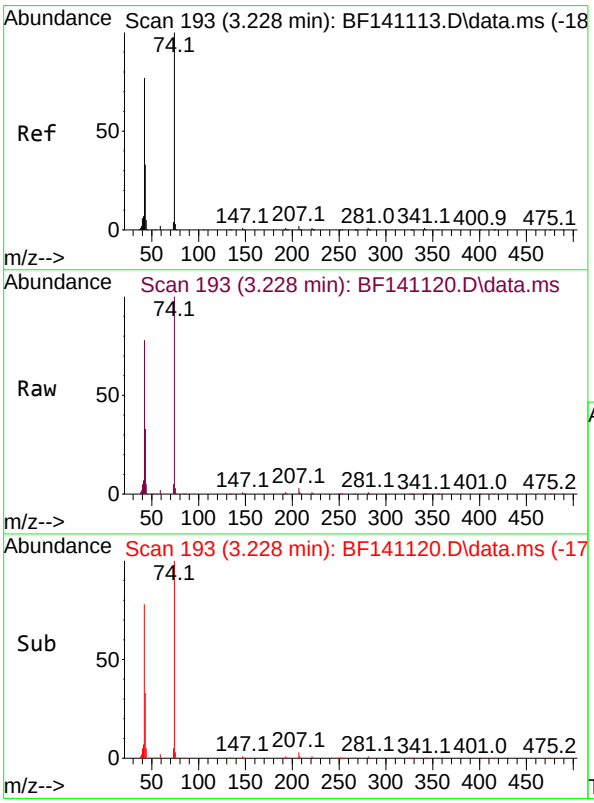
#3
Pyridine
Concen: 40.329 ng
RT: 3.281 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Instrument :
BNA_F
ClientSampleId :
ICVBF011025

Tgt Ion: 79 Resp: 450909

Ion	Ratio	Lower	Upper
79	100		
52	72.2	58.9	88.3
51	36.2	29.1	43.7

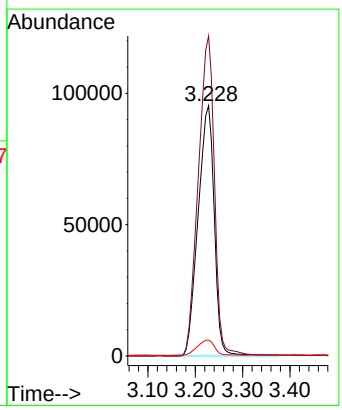


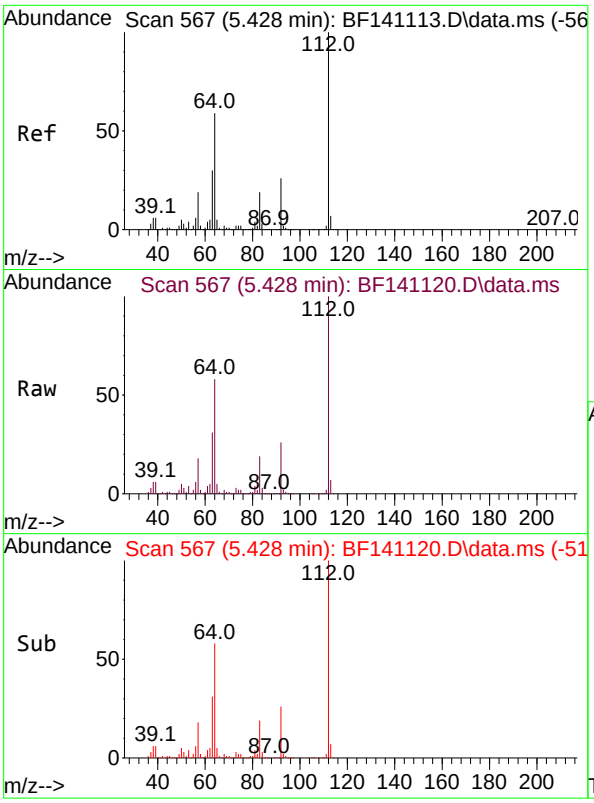


#4
n-Nitrosodimethylamine
Concen: 41.363 ng
RT: 3.228 min Scan# 193
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion: 42 Resp: 226129

Ion	Ratio	Lower	Upper
42	100		
74	127.9	103.8	155.6
44	6.3	5.3	7.9



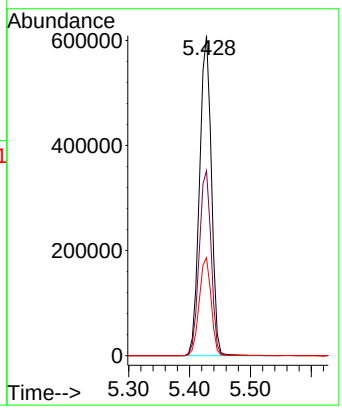


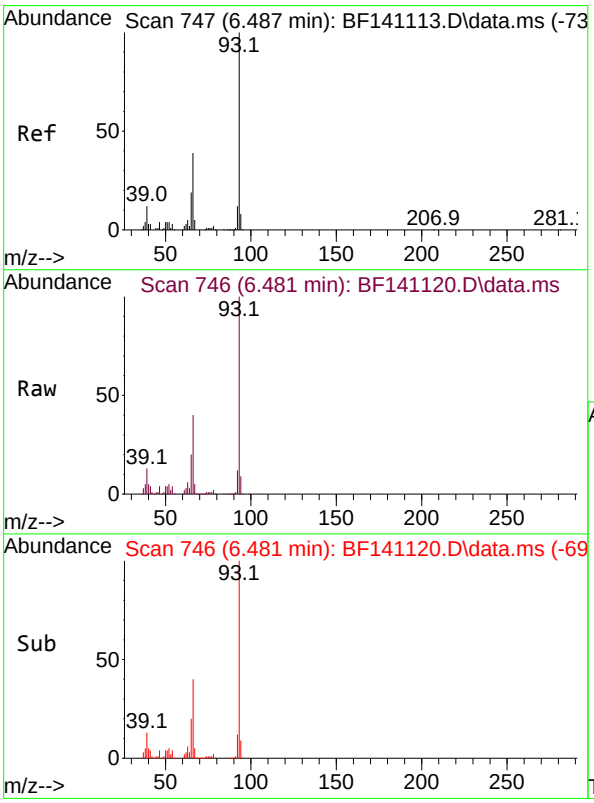
#5
2-Fluorophenol
Concen: 80.114 ng
RT: 5.428 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Instrument :
BNA_F
ClientSampleId :
ICVBF011025

Tgt Ion:112 Resp: 820256

Ion	Ratio	Lower	Upper
112	100		
64	57.8	47.3	70.9
63	30.6	24.2	36.2

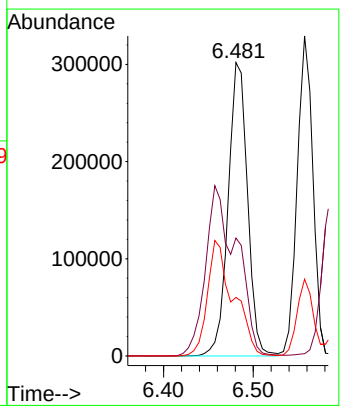


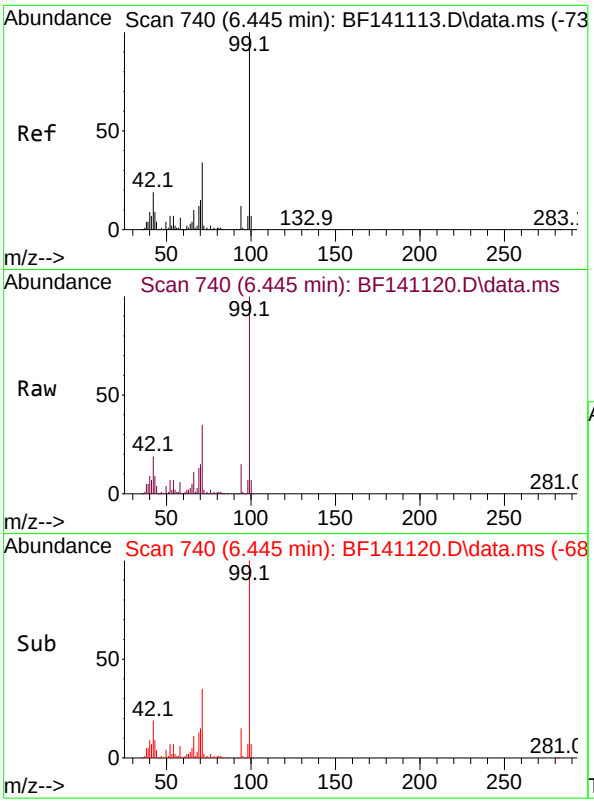


#6
Aniline
Concen: 39.400 ng
RT: 6.481 min Scan# 746
Delta R.T. -0.006 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion: 93 Resp: 453676

Ion	Ratio	Lower	Upper
93	100		
66	40.2	31.5	47.3
65	20.0	15.3	22.9



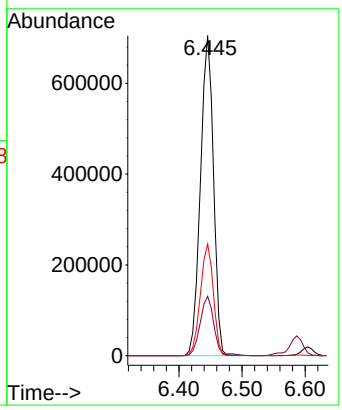


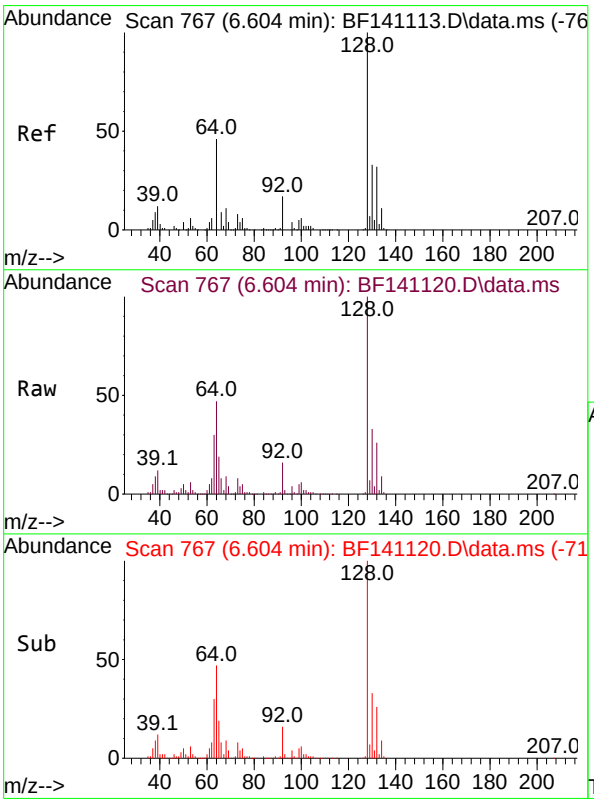
#7
Phenol-d6
Concen: 77.801 ng
RT: 6.445 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Instrument :
BNA_F
ClientSampleId :
ICVBF011025

Tgt Ion: 99 Resp: 1009028

Ion	Ratio	Lower	Upper
99	100		
42	18.6	15.0	22.4
71	34.9	27.6	41.4

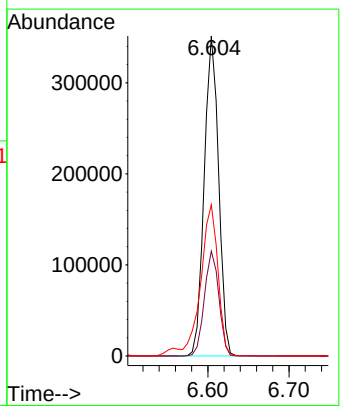


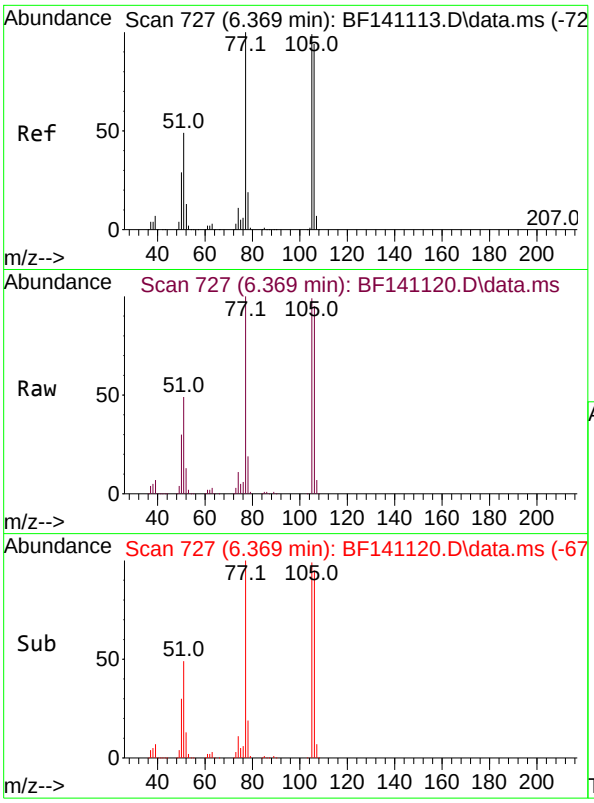


#8
2-Chlorophenol
Concen: 39.284 ng
RT: 6.604 min Scan# 767
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:128 Resp: 431526

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.5	52.5
64	47.3	28.3	68.3



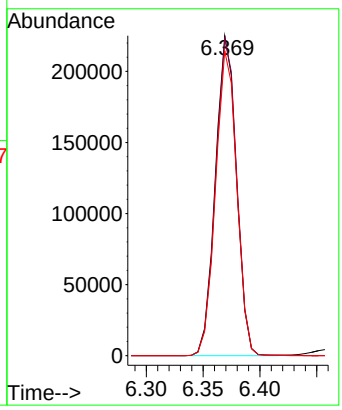


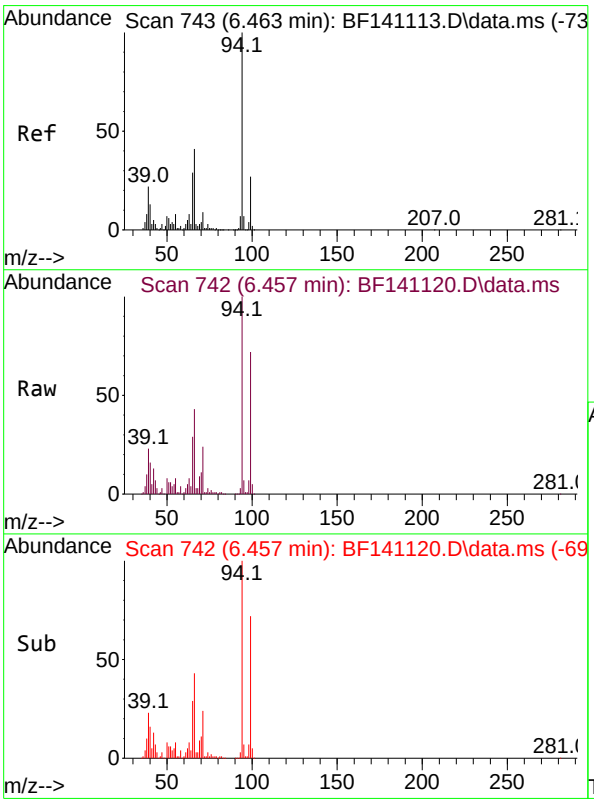
#9
Benzaldehyde
Concen: 37.987 ng
RT: 6.369 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Instrument :
BNA_F
ClientSampleId :
ICVBF011025

Tgt Ion: 77 Resp: 290165

Ion	Ratio	Lower	Upper
77	100		
105	99.1	78.9	118.9
106	95.3	73.6	113.6

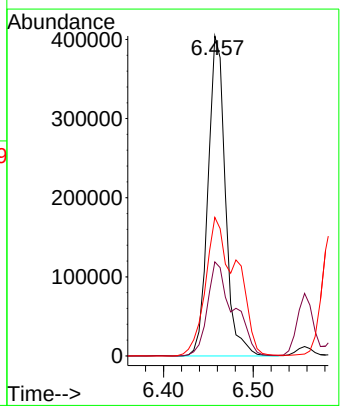


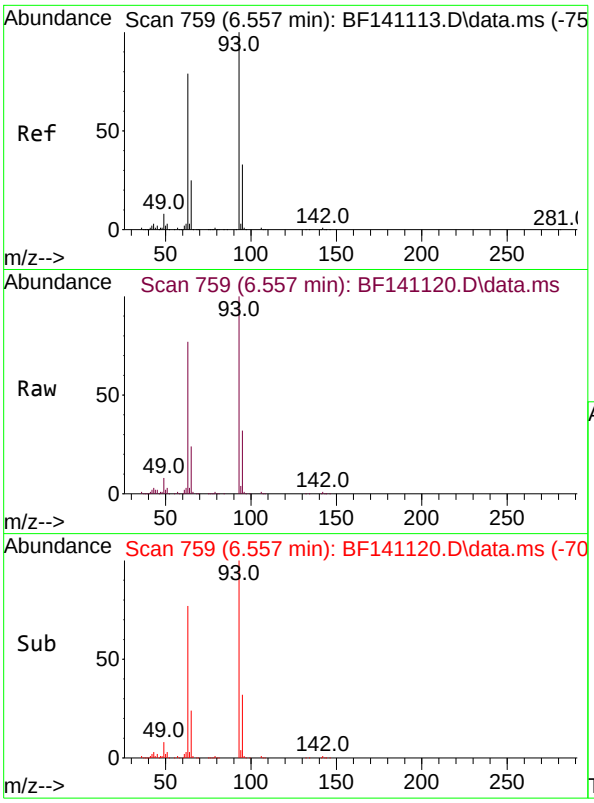


#10
Phenol
Concen: 39.039 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion: 94 Resp: 541991

Ion	Ratio	Lower	Upper
94	100		
65	29.4	8.9	48.9
66	43.3	21.2	61.2



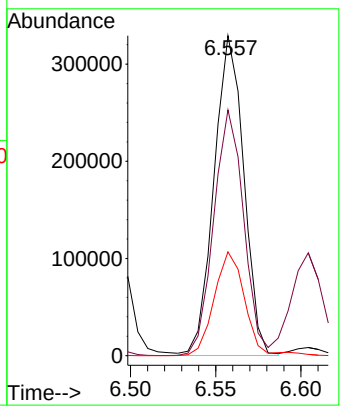


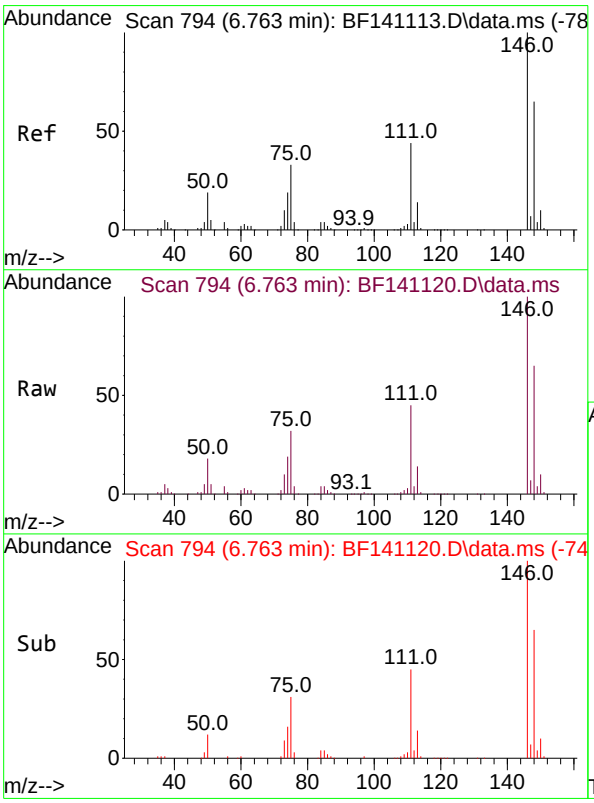
#11
bis(2-Chloroethyl)ether
Concen: 38.657 ng
RT: 6.557 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Instrument :
BNA_F
ClientSampleId :
ICVBF011025

Tgt Ion: 93 Resp: 399965

Ion	Ratio	Lower	Upper
93	100		
63	76.8	58.0	98.0
95	32.4	12.5	52.5

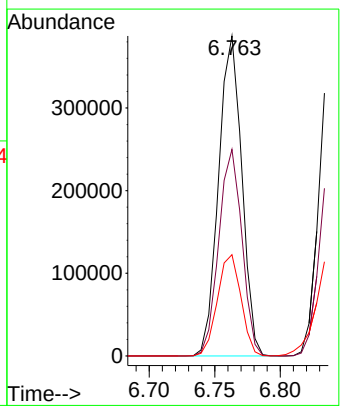


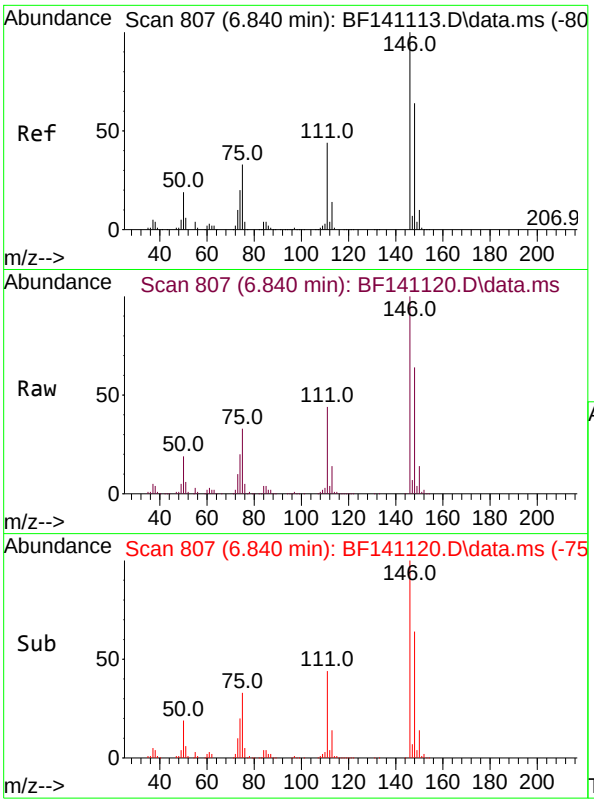


#12
1,3-Dichlorobenzene
Concen: 38.919 ng
RT: 6.763 min Scan# 794
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:146 Resp: 476822

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.6	77.4
75	31.7	26.2	39.2



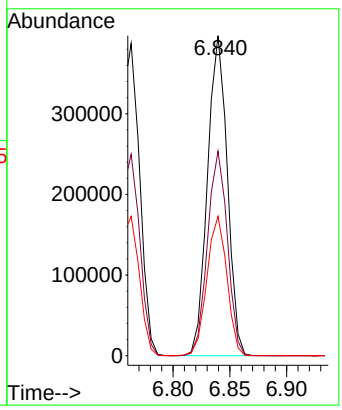


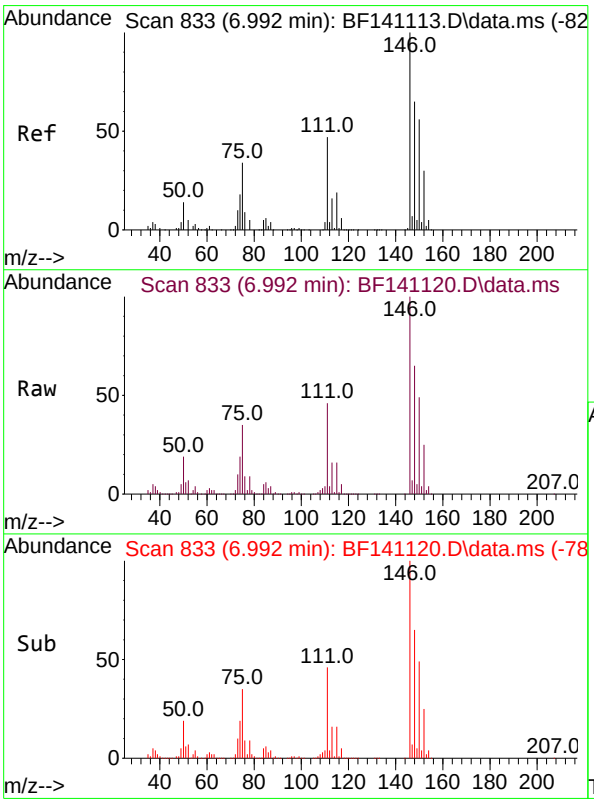
#13
1,4-Dichlorobenzene
Concen: 38.965 ng
RT: 6.840 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Instrument :
BNA_F
ClientSampleId :
ICVBF011025

Tgt Ion:146 Resp: 481058

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.0	76.6
111	43.5	34.9	52.3

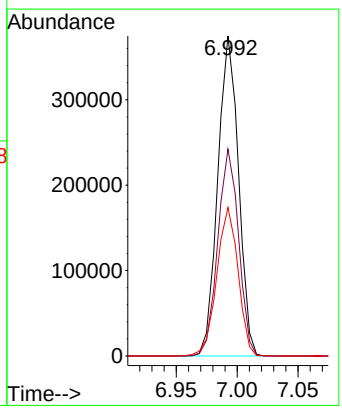


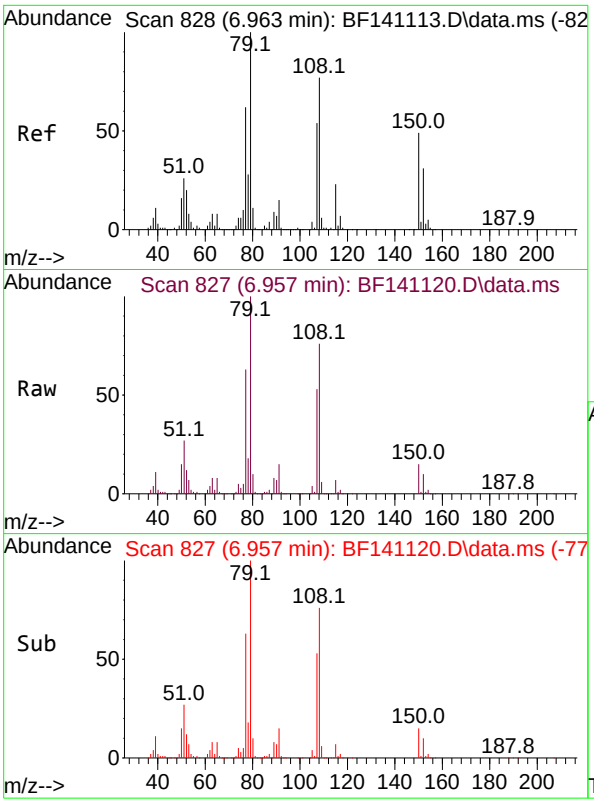


#14
1,2-Dichlorobenzene
Concen: 38.555 ng
RT: 6.992 min Scan# 833
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:146 Resp: 444004

Ion	Ratio	Lower	Upper
146	100		
148	64.6	52.2	78.4
111	46.4	37.5	56.3



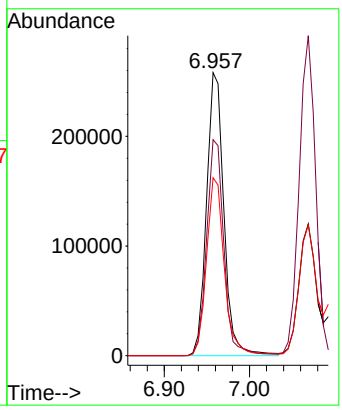


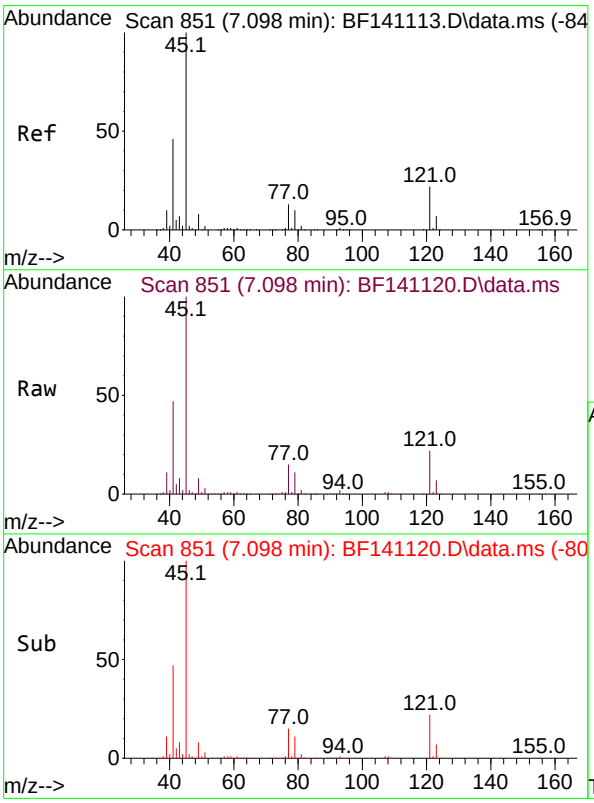
#15
Benzyl Alcohol
Concen: 38.962 ng
RT: 6.957 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Instrument :
BNA_F
ClientSampleId :
ICVBF011025

Tgt Ion: 79 Resp: 364926

Ion	Ratio	Lower	Upper
79	100		
108	76.3	61.4	92.0
77	62.8	49.8	74.6

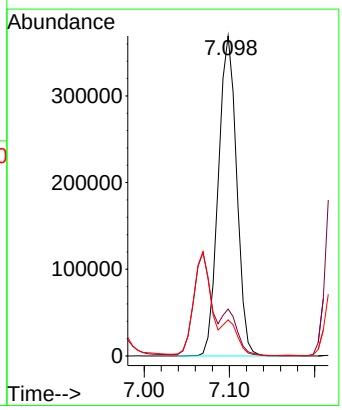


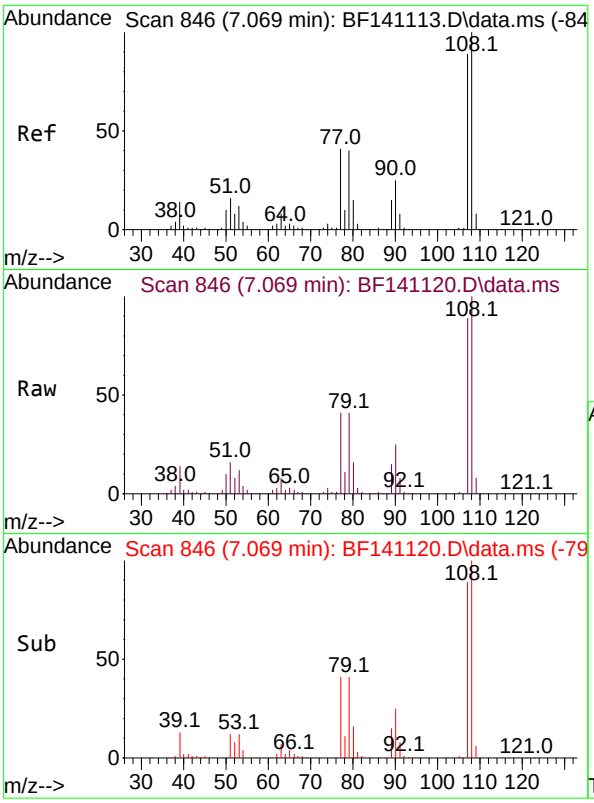


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.086 ng
RT: 7.098 min Scan# 851
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion: 45 Resp: 549884

Ion	Ratio	Lower	Upper
45	100		
77	14.6	0.0	34.1
79	11.3	0.0	31.0



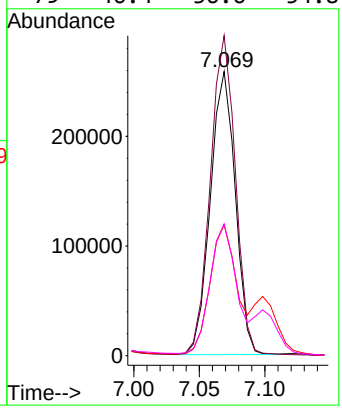


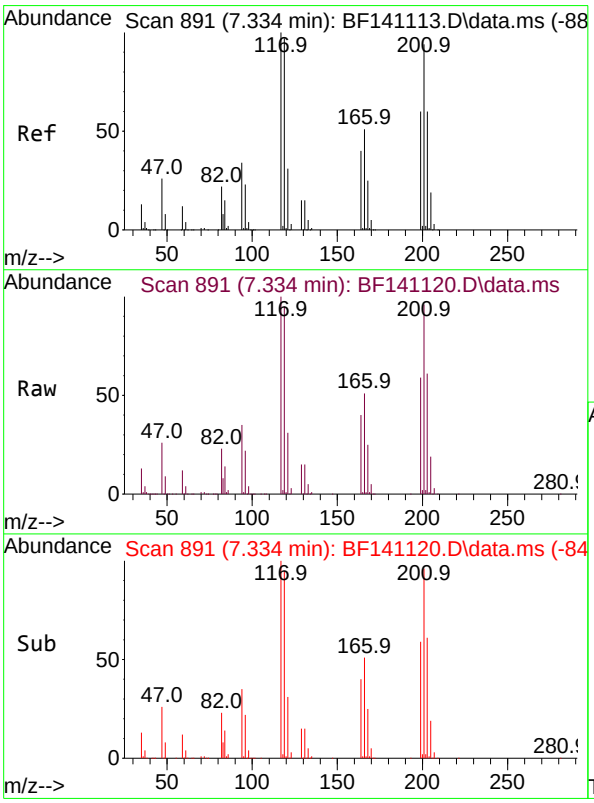
#17
2-Methylphenol
Concen: 38.531 ng
RT: 7.069 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Instrument :
BNA_F
ClientSampleId :
ICVBF011025

Tgt Ion:107 Resp: 341712

Ion	Ratio	Lower	Upper
107	100		
108	112.6	90.1	135.1
77	46.0	36.6	55.0
79	46.4	36.6	54.8

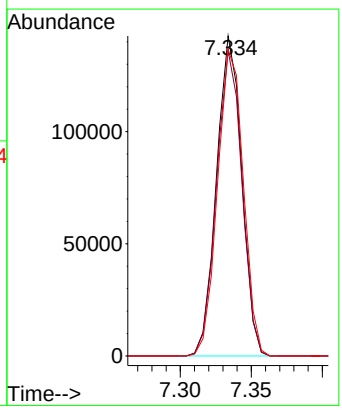


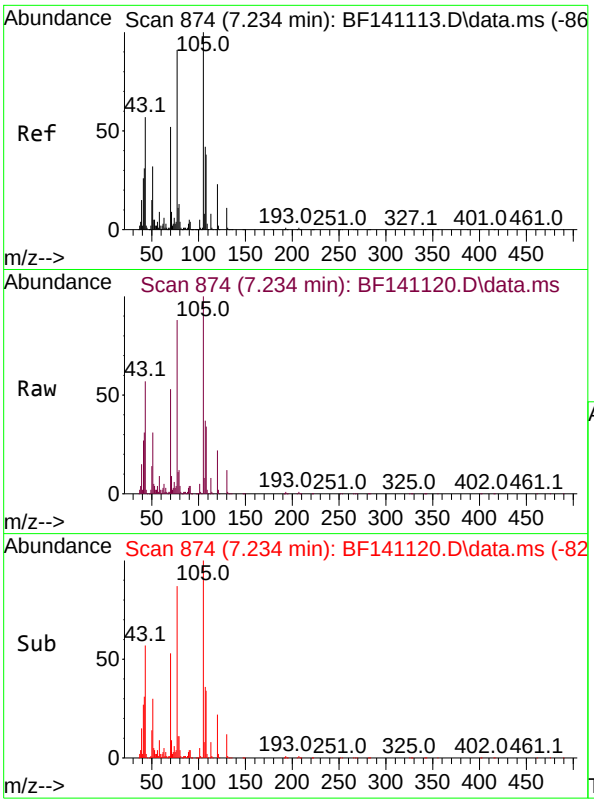


#18
Hexachloroethane
Concen: 39.427 ng
RT: 7.334 min Scan# 891
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:117 Resp: 176028

Ion	Ratio	Lower	Upper
117	100		
119	95.4	77.6	116.4
201	95.8	75.1	112.7



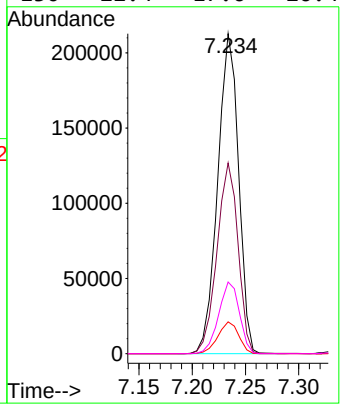


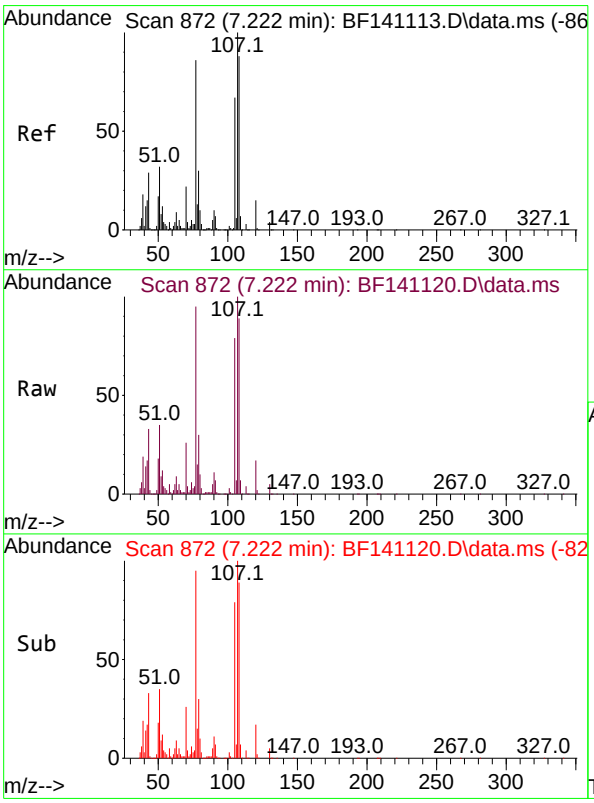
#19
n-Nitroso-di-n-propylamine
Concen: 37.834 ng
RT: 7.234 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Instrument :
BNA_F
ClientSampleId :
ICVBF011025

Tgt Ion: 70 Resp: 289047

Ion	Ratio	Lower	Upper
70	100		
42	59.6	47.8	71.6
101	9.9	7.9	11.9
130	22.4	17.6	26.4

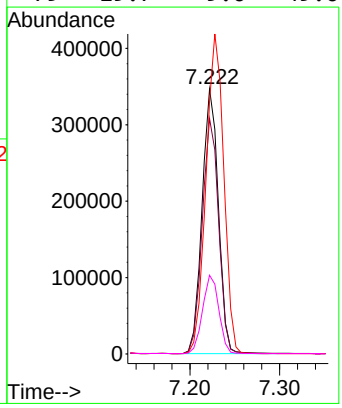


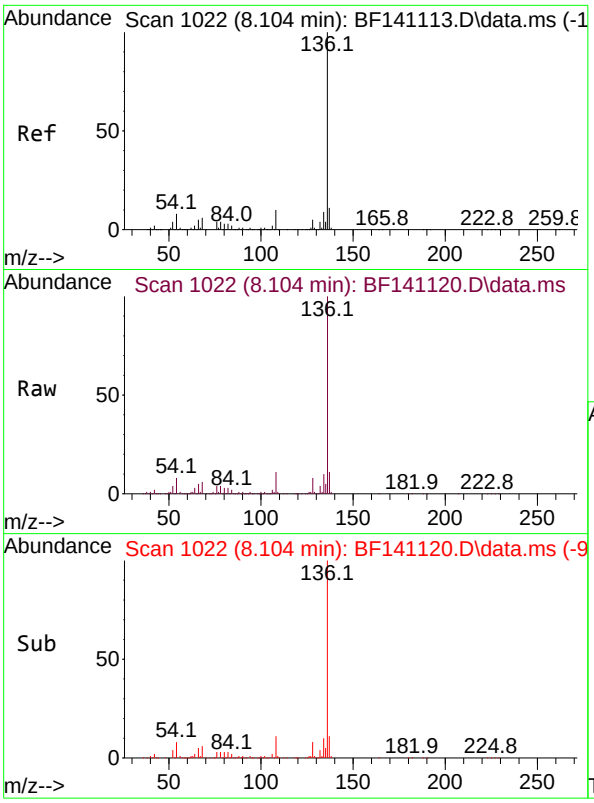


#20
3+4-Methylphenols
Concen: 39.098 ng
RT: 7.222 min Scan# 872
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:107 Resp: 437446

Ion	Ratio	Lower	Upper
107	100		
108	88.8	68.3	108.3
77	95.5	66.4	106.4
79	29.7	9.6	49.6



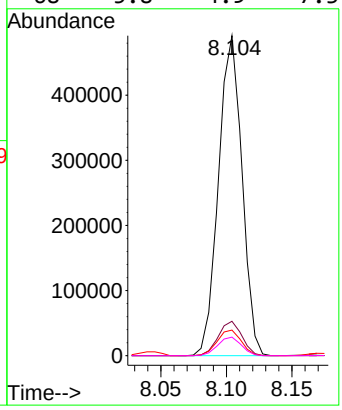


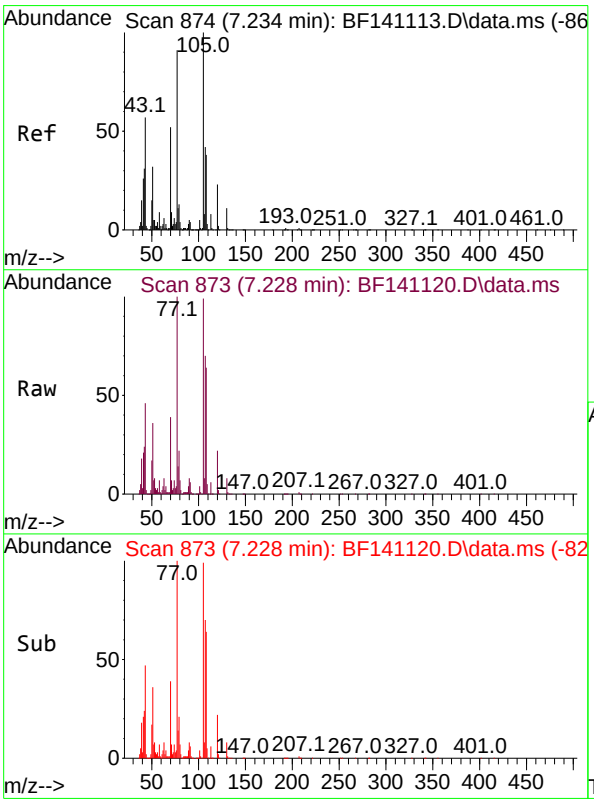
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Instrument :
BNA_F
ClientSampleId :
ICVBF011025

Tgt Ion:136 Resp: 612449

Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.8	13.2
54	8.0	6.3	9.5
68	5.8	4.9	7.3

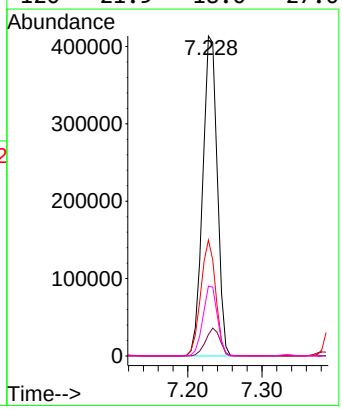


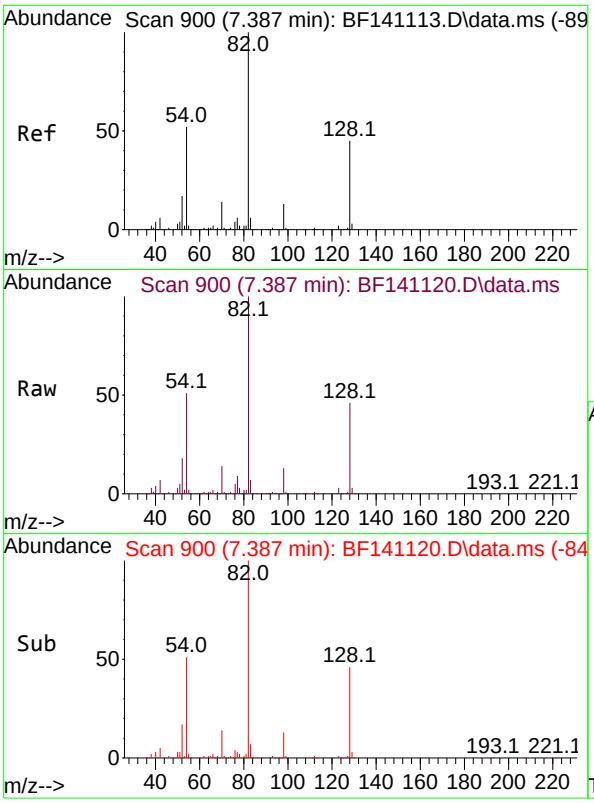


#22
Acetophenone
Concen: 38.700 ng
RT: 7.228 min Scan# 873
Delta R.T. -0.006 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:105 Resp: 563455

Ion	Ratio	Lower	Upper
105	100		
71	6.7	7.1	10.7#
51	36.3	25.4	38.2
120	21.9	18.0	27.0



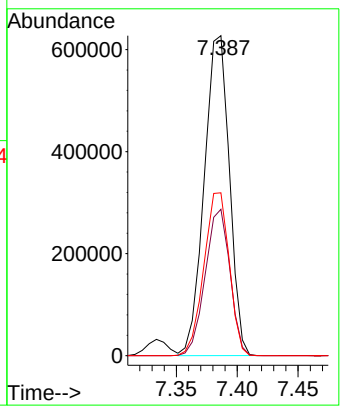


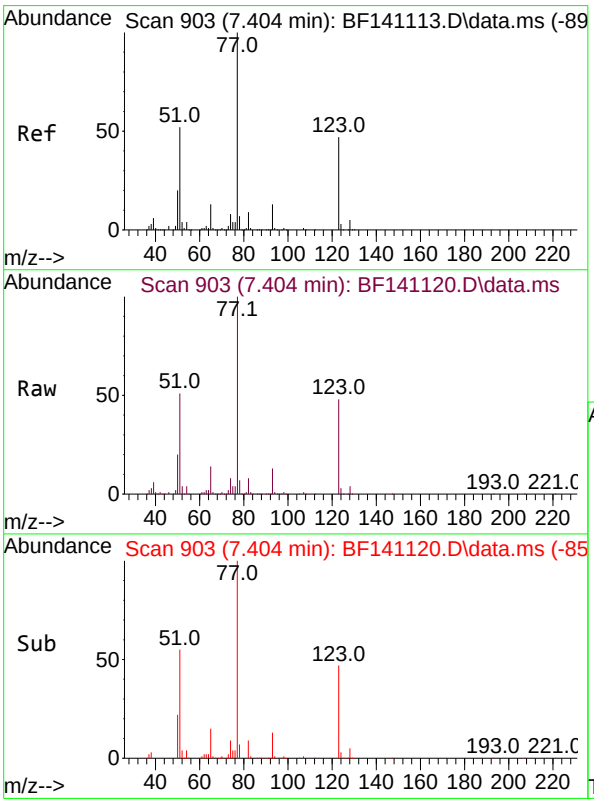
#23
Nitrobenzene-d5
Concen: 77.918 ng
RT: 7.387 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Instrument :
BNA_F
ClientSampleId :
ICVBF011025

Tgt Ion: 82 Resp: 900254

Ion	Ratio	Lower	Upper
82	100		
128	45.8	36.1	54.1
54	50.9	41.0	61.4

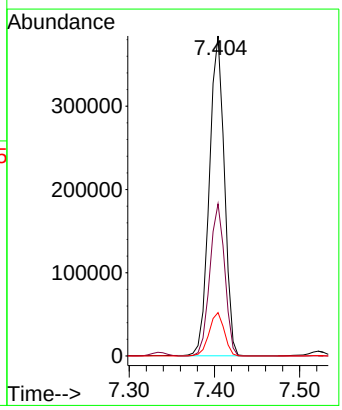


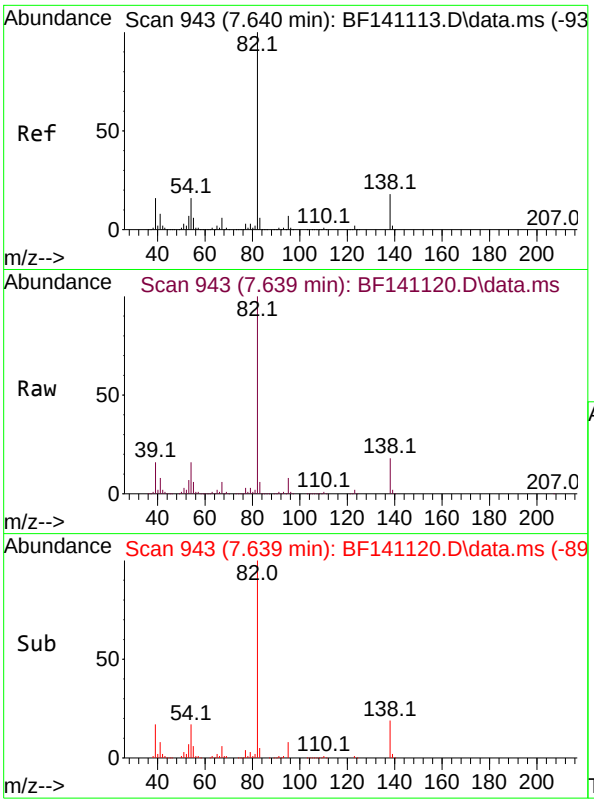


#24
Nitrobenzene
Concen: 39.180 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion: 77 Resp: 471786

Ion	Ratio	Lower	Upper
77	100		
123	47.5	37.7	56.5
65	13.6	10.6	16.0



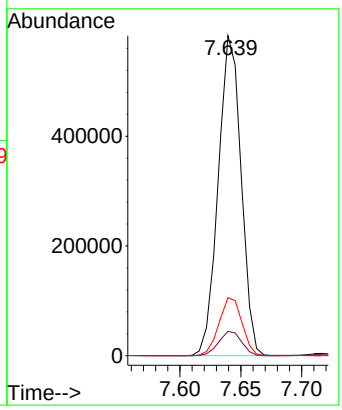


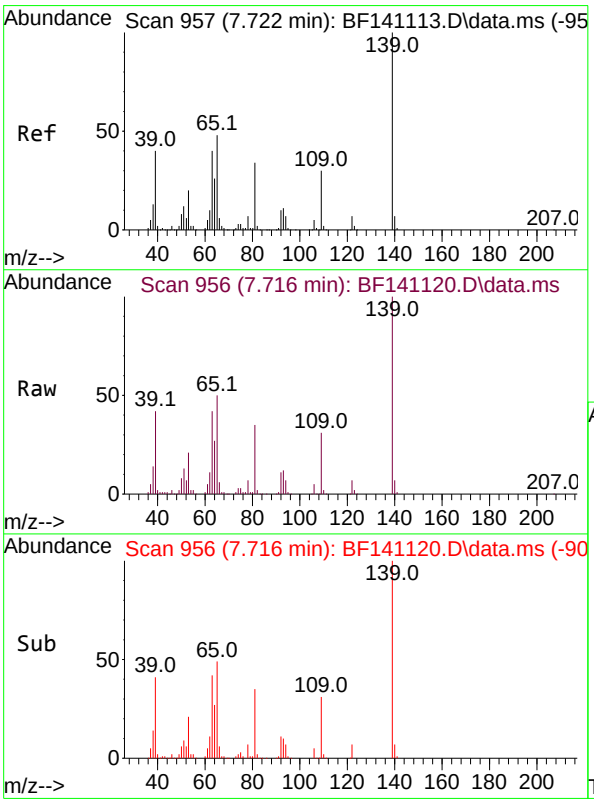
#25
Isophorone
Concen: 38.631 ng
RT: 7.639 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Instrument :
BNA_F
ClientSampleId :
ICVBF011025

Tgt Ion: 82 Resp: 762772

Ion	Ratio	Lower	Upper
82	100		
95	7.6	5.9	8.9
138	18.1	14.2	21.2

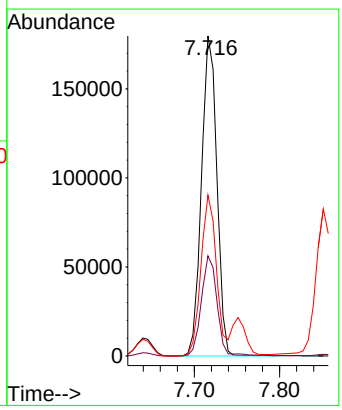


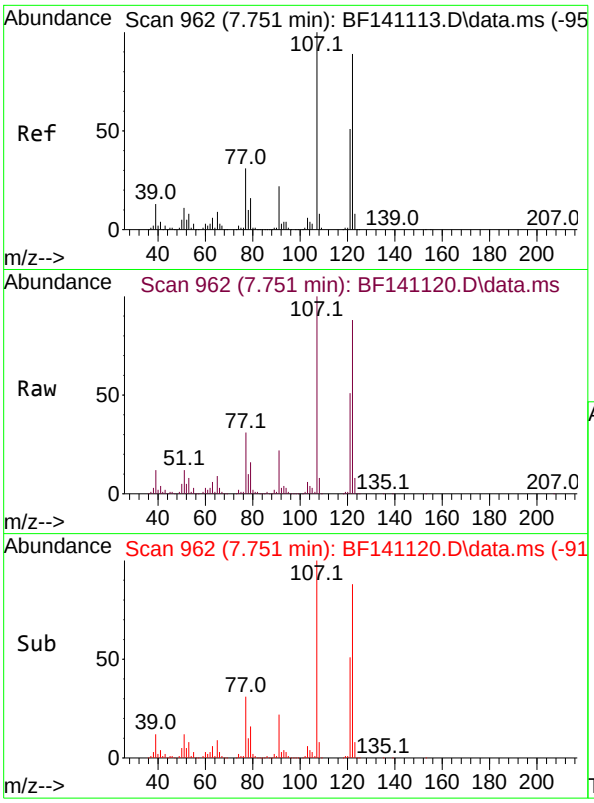


#26
2-Nitrophenol
Concen: 41.163 ng
RT: 7.716 min Scan# 956
Delta R.T. -0.006 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:139 Resp: 225470

Ion	Ratio	Lower	Upper
139	100		
109	31.3	23.8	35.6
65	50.3	38.5	57.7



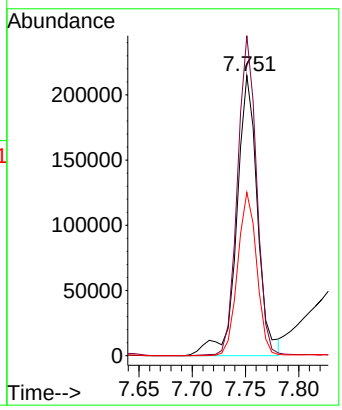


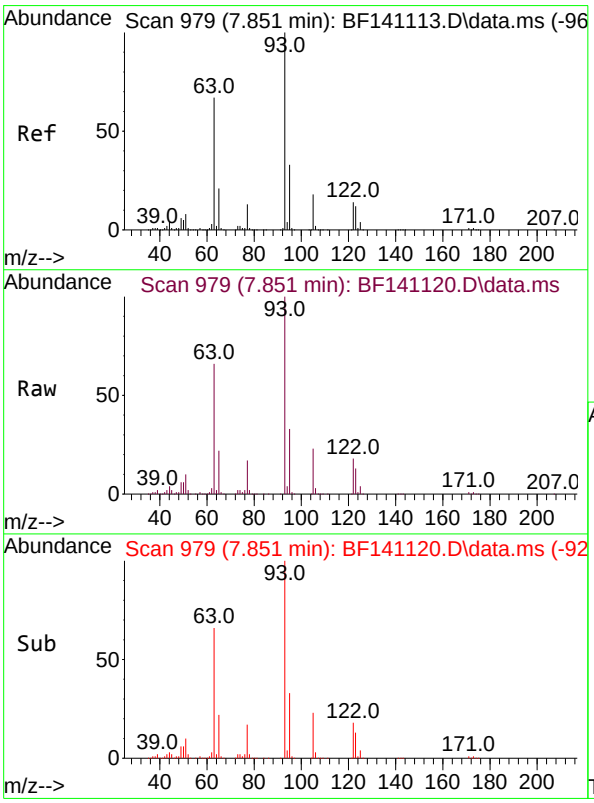
#27
2,4-Dimethylphenol
Concen: 39.432 ng
RT: 7.751 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Instrument :
BNA_F
ClientSampleId :
ICVBF011025

Tgt Ion:122 Resp: 291335

Ion	Ratio	Lower	Upper
122	100		
107	114.2	90.3	135.5
121	58.3	46.5	69.7

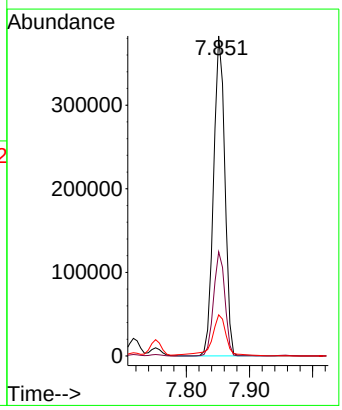


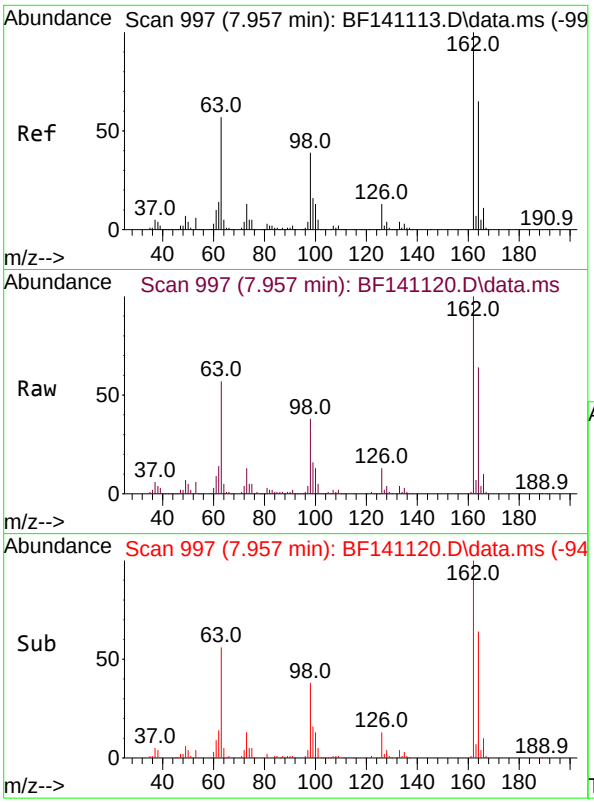


#28
bis(2-Chloroethoxy)methane
Concen: 38.235 ng
RT: 7.851 min Scan# 979
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion: 93 Resp: 473792

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.2	39.4
123	12.9	10.1	15.1



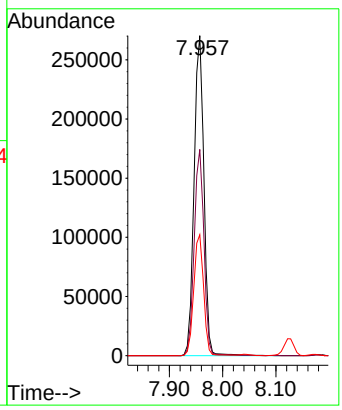


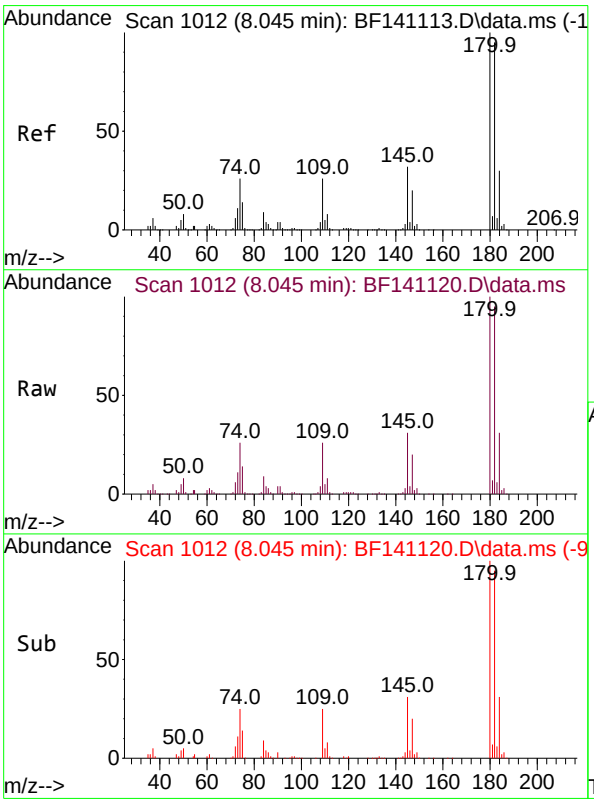
#29
2,4-Dichlorophenol
Concen: 39.652 ng
RT: 7.957 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Instrument :
BNA_F
ClientSampleId :
ICVBF011025

Tgt Ion:162 Resp: 347943

Ion	Ratio	Lower	Upper
162	100		
164	64.4	44.5	84.5
98	37.8	18.5	58.5

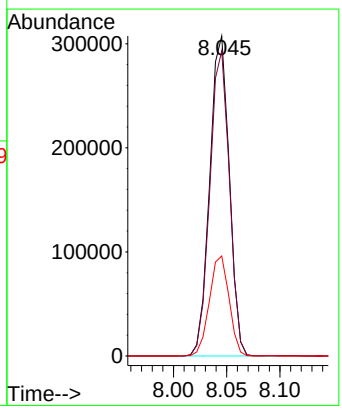


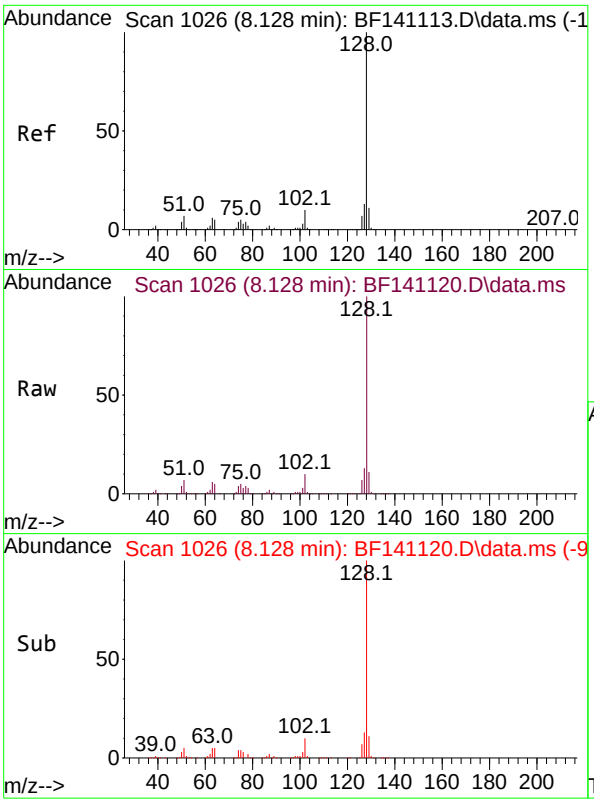


#30
1,2,4-Trichlorobenzene
Concen: 39.055 ng
RT: 8.045 min Scan# 1012
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:180 Resp: 391725

Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.2	114.2
145	31.2	25.3	37.9



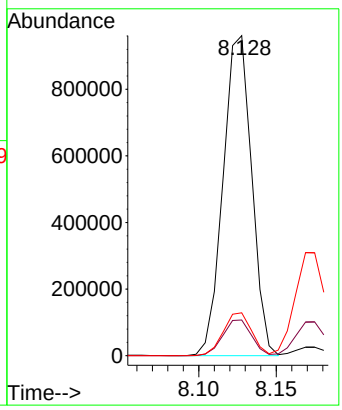


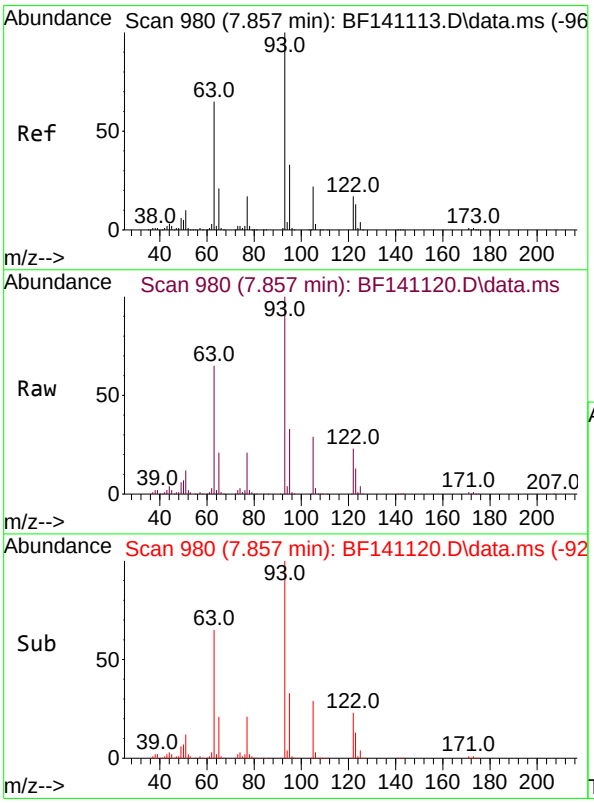
#31
Naphthalene
Concen: 38.230 ng
RT: 8.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Instrument :
BNA_F
ClientSampleId :
ICVBF011025

Tgt Ion:128 Resp: 1234761

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.6
127	13.4	10.8	16.2

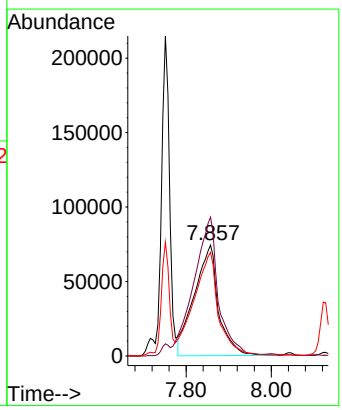


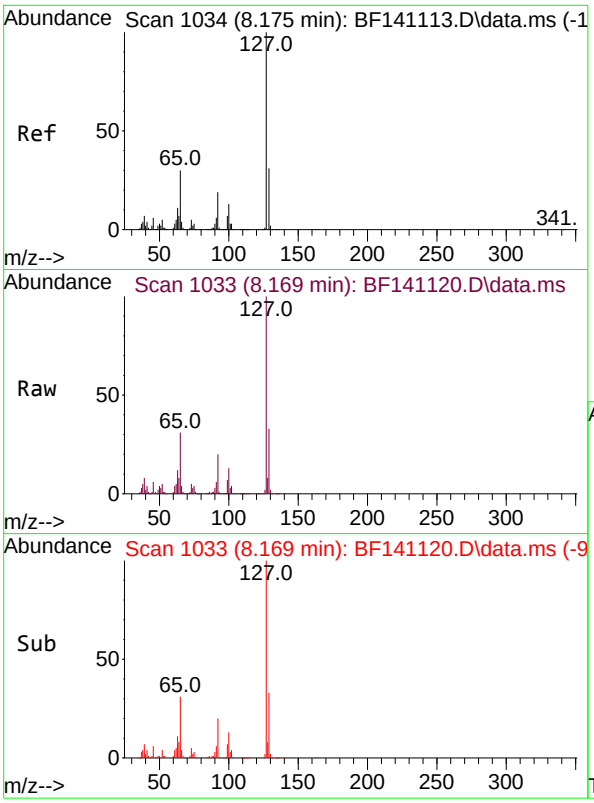


#32
Benzoic acid
Concen: 41.415 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:122 Resp: 293529

Ion	Ratio	Lower	Upper
122	100		
105	125.3	105.5	145.5
77	93.4	75.1	115.1



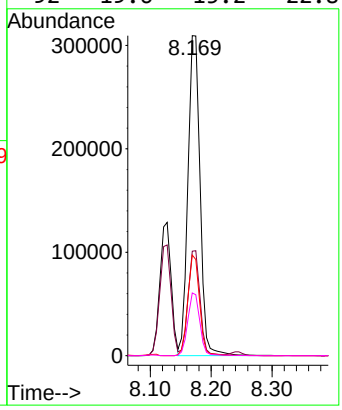


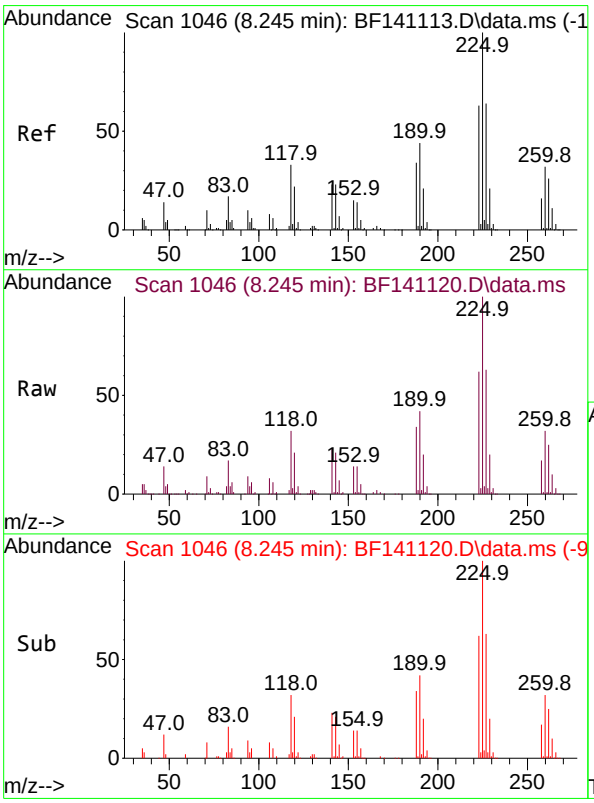
#33
4-Chloroaniline
Concen: 38.252 ng
RT: 8.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Instrument :
BNA_F
ClientSampleId :
ICVBF011025

Tgt Ion:127 Resp: 427268

Ion	Ratio	Lower	Upper
127	100		
129	32.7	25.9	38.9
65	31.4	23.8	35.8
92	19.6	15.2	22.8

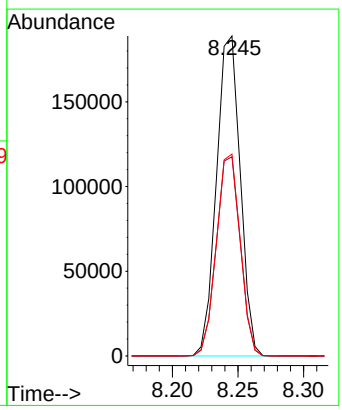


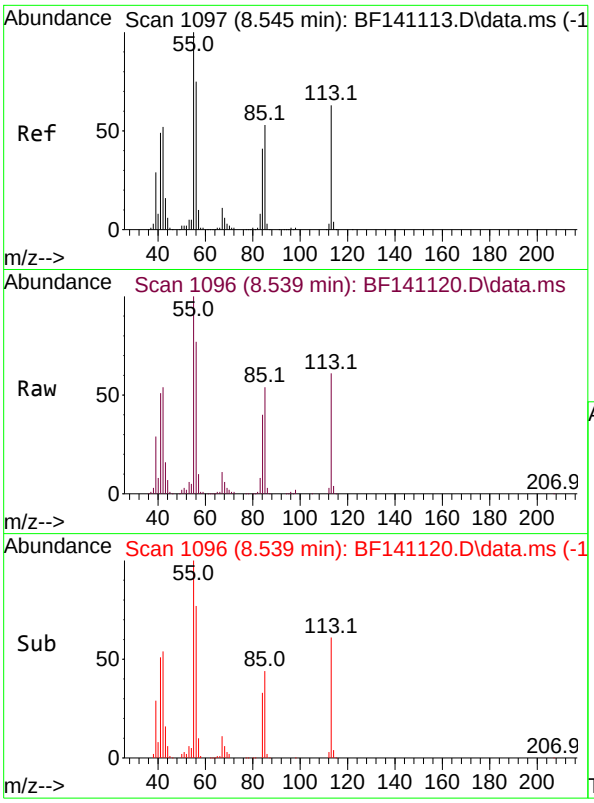


#34
Hexachlorobutadiene
Concen: 39.380 ng
RT: 8.245 min Scan# 1046
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:225 Resp: 238001

Ion	Ratio	Lower	Upper
225	100		
223	62.3	50.6	76.0
227	63.1	51.6	77.4



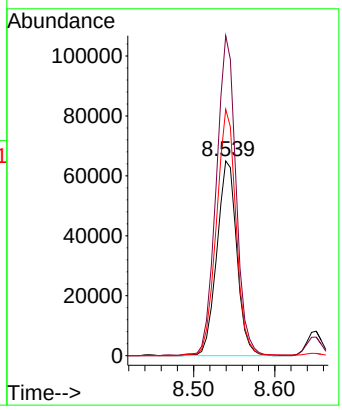


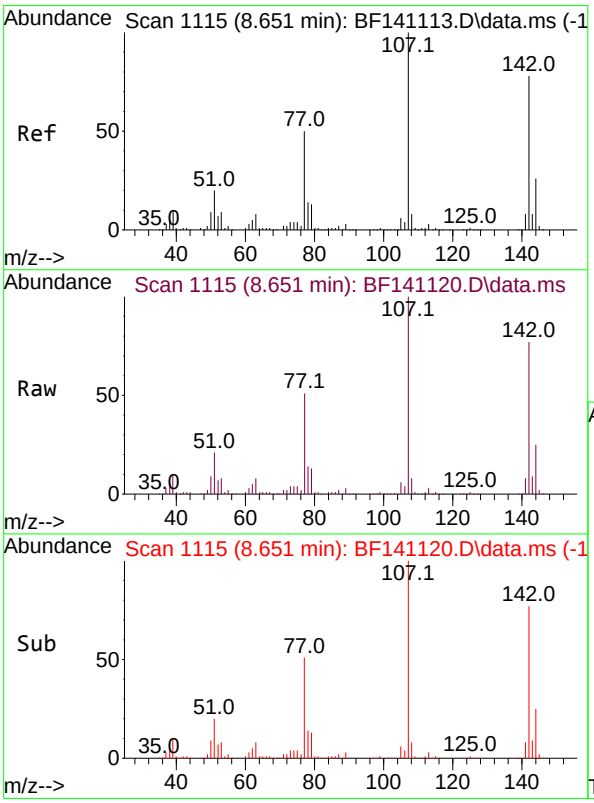
#35
Caprolactam
Concen: 38.578 ng
RT: 8.539 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Instrument :
BNA_F
ClientSampleId :
ICVBF011025

Tgt Ion:113 Resp: 110830

Ion	Ratio	Lower	Upper
113	100		
55	164.3	139.7	179.7
56	126.5	99.4	139.4

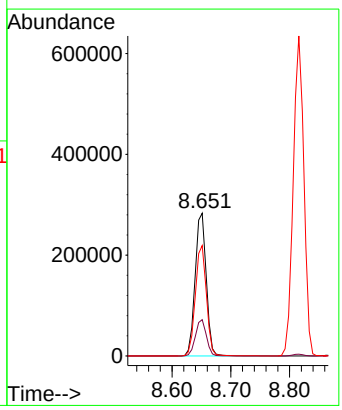


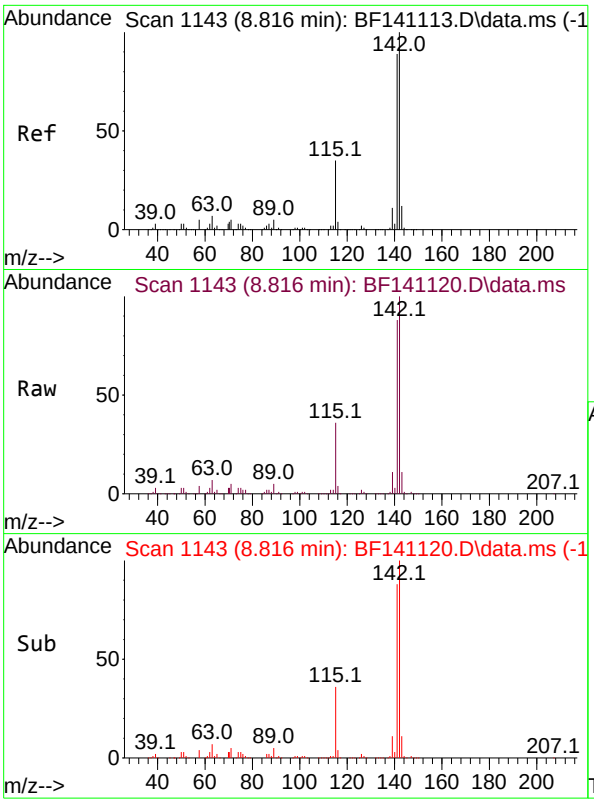


#36
4-Chloro-3-methylphenol
Concen: 38.752 ng
RT: 8.651 min Scan# 1115
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:107 Resp: 371891

Ion	Ratio	Lower	Upper
107	100		
144	25.4	20.4	30.6
142	77.4	62.2	93.2



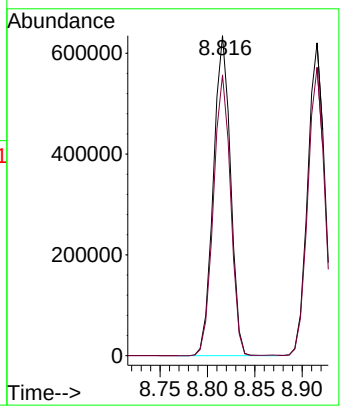


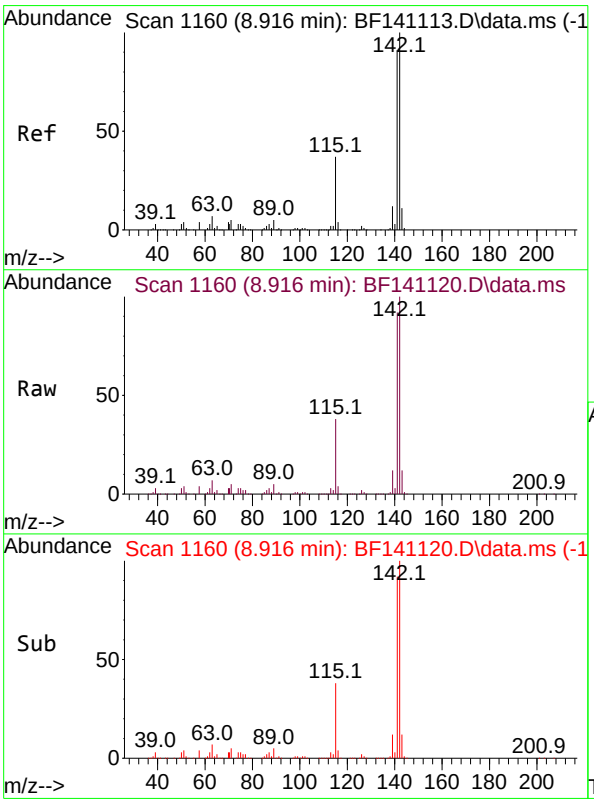
#37
2-Methylnaphthalene
Concen: 38.737 ng
RT: 8.816 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Instrument :
BNA_F
ClientSampleId :
ICVBF011025

Tgt Ion:142 Resp: 797256

Ion	Ratio	Lower	Upper
142	100		
141	87.7	71.3	106.9

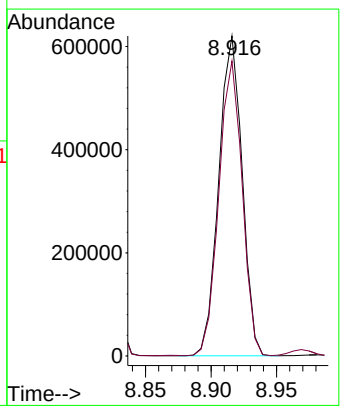


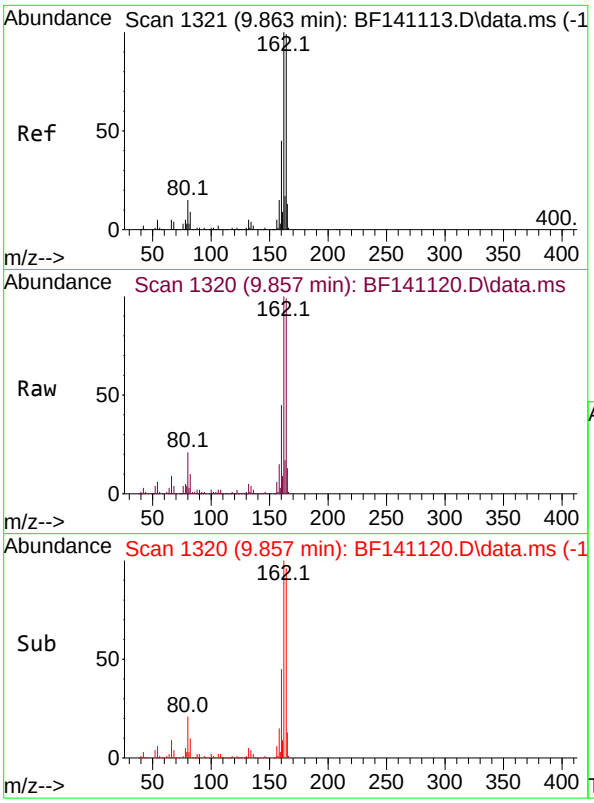


#38
1-Methylnaphthalene
Concen: 37.862 ng
RT: 8.916 min Scan# 1160
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:142 Resp: 767986

Ion	Ratio	Lower	Upper
142	100		
141	92.1	73.1	109.7



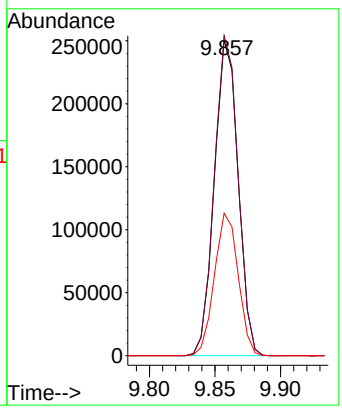


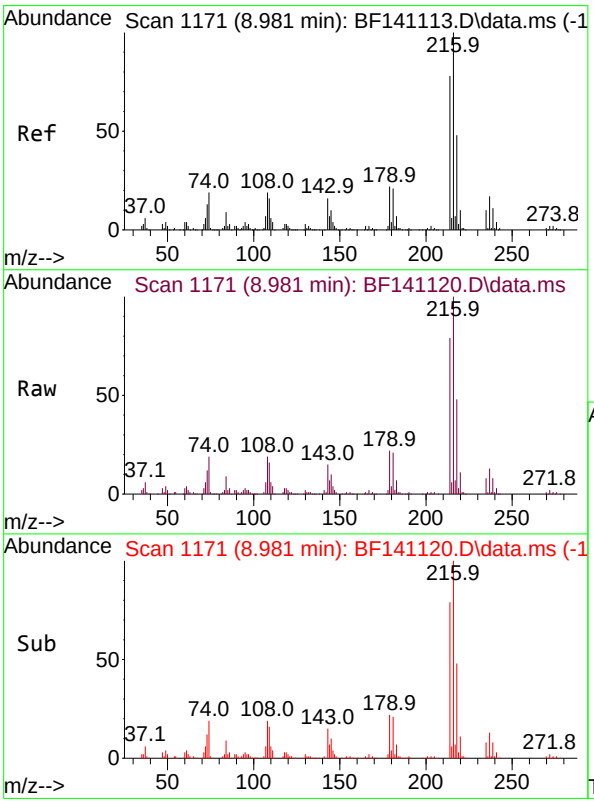
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Instrument :
BNA_F
ClientSampleId :
ICVBF011025

Tgt Ion:164 Resp: 314997

Ion	Ratio	Lower	Upper
164	100		
162	101.4	81.0	121.4
160	45.1	36.1	54.1

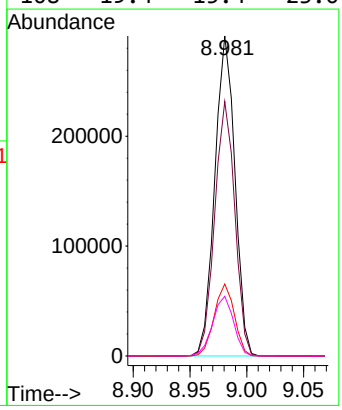


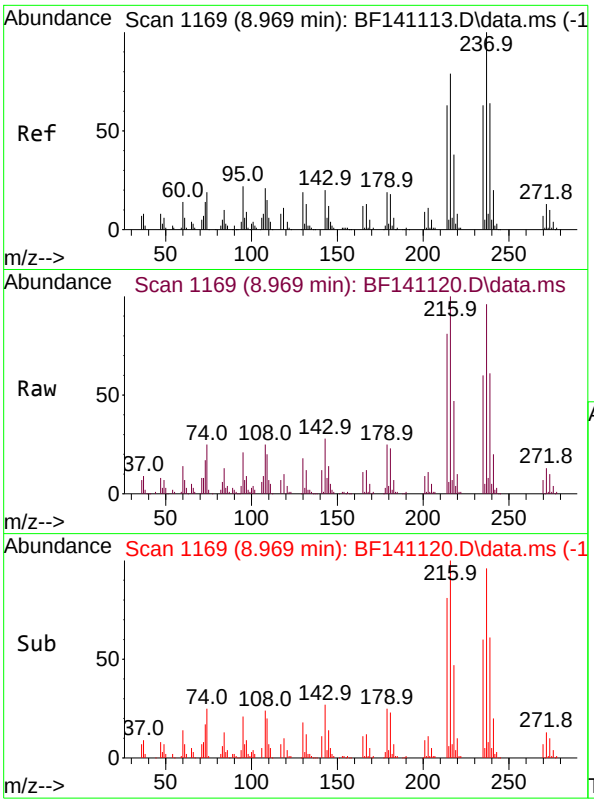


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.725 ng
RT: 8.981 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:216 Resp: 359153

Ion	Ratio	Lower	Upper
216	100		
214	79.3	62.6	94.0
179	22.5	17.7	26.5
108	19.4	15.4	23.0



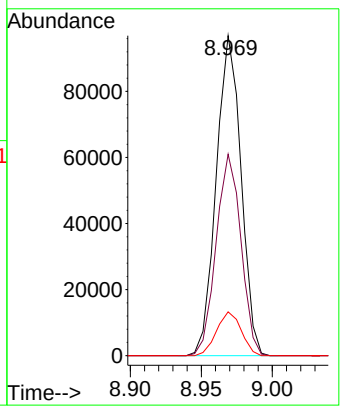


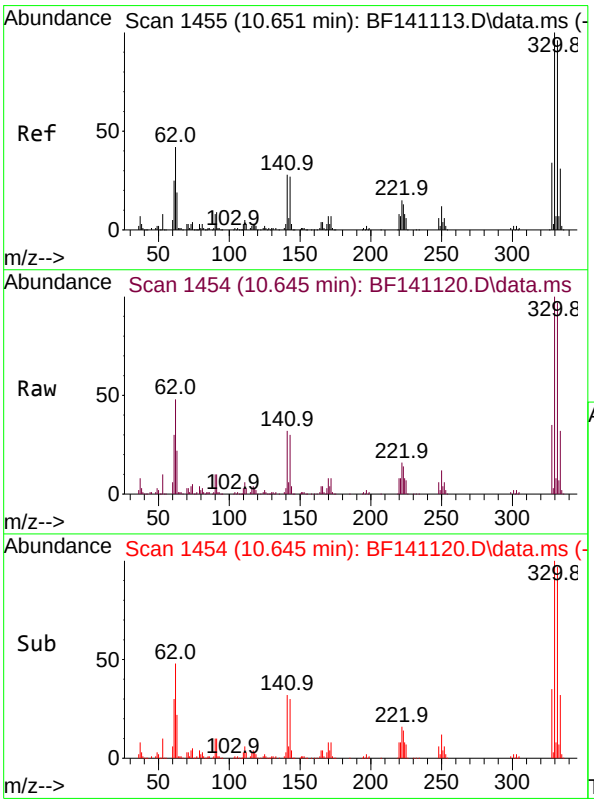
#41
Hexachlorocyclopentadiene
Concen: 39.744 ng
RT: 8.969 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Instrument :
BNA_F
ClientSampleId :
ICVBF011025

Tgt Ion:237 Resp: 117559

Ion	Ratio	Lower	Upper
237	100		
235	63.0	43.0	83.0
272	13.7	0.0	33.0

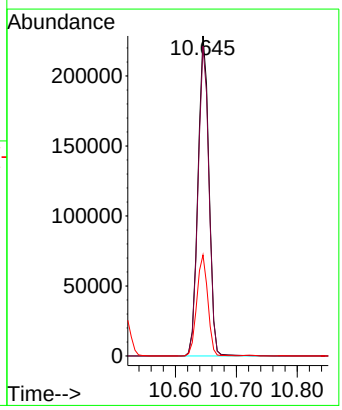


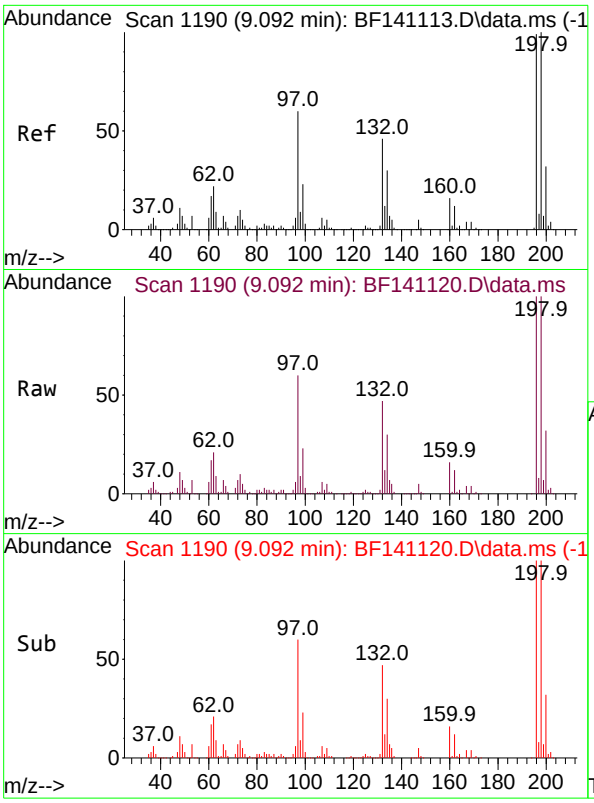


#42
2,4,6-Tribromophenol
Concen: 79.554 ng
RT: 10.645 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:330 Resp: 285534

Ion	Ratio	Lower	Upper
330	100		
332	96.5	76.9	115.3
141	31.6	25.2	37.8



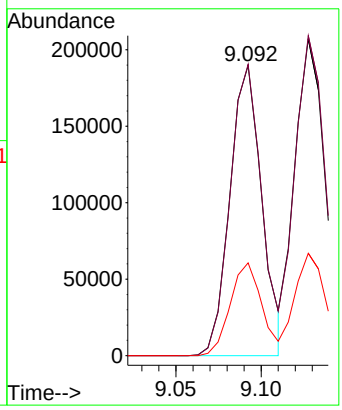


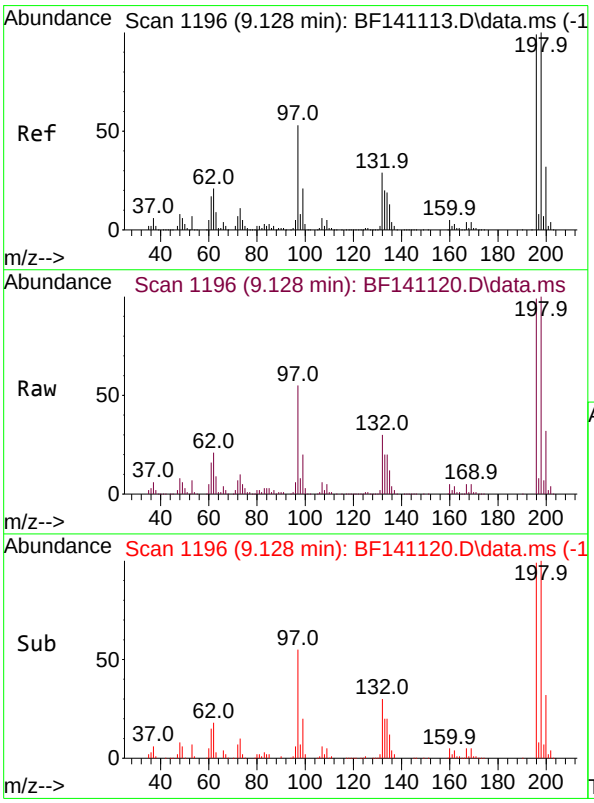
#43
2,4,6-Trichlorophenol
Concen: 40.474 ng
RT: 9.092 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Instrument :
BNA_F
ClientSampleId :
ICVBF011025

Tgt Ion:196 Resp: 246797

Ion	Ratio	Lower	Upper
196	100		
198	100.4	80.8	121.2
200	32.0	25.7	38.5

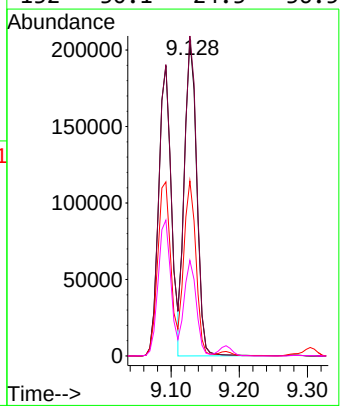


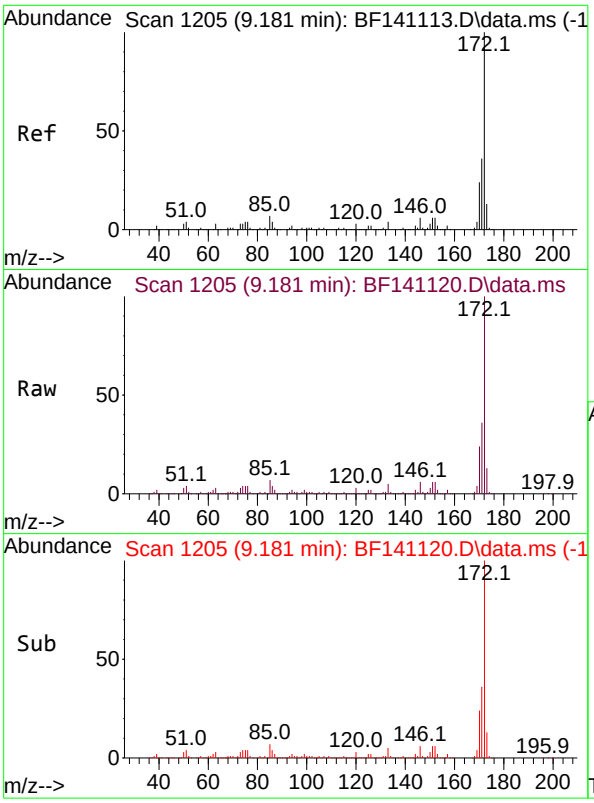


#44
2,4,5-Trichlorophenol
Concen: 40.064 ng
RT: 9.128 min Scan# 1196
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:196 Resp: 258003

Ion	Ratio	Lower	Upper
196	100		
198	101.0	80.6	120.8
97	55.3	43.1	64.7
132	30.1	24.3	36.5



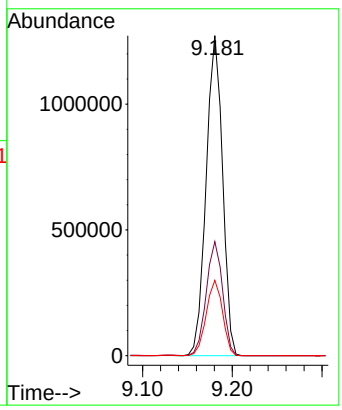


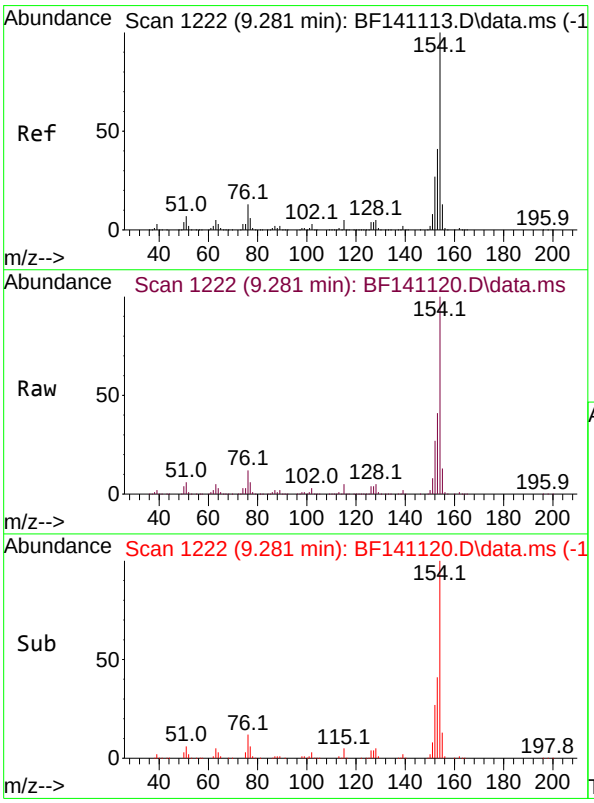
#45
2-Fluorobiphenyl
Concen: 78.281 ng
RT: 9.181 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Instrument :
BNA_F
ClientSampleId :
ICVBF011025

Tgt Ion:172 Resp: 1614765

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.7	43.1
170	23.6	19.0	28.6

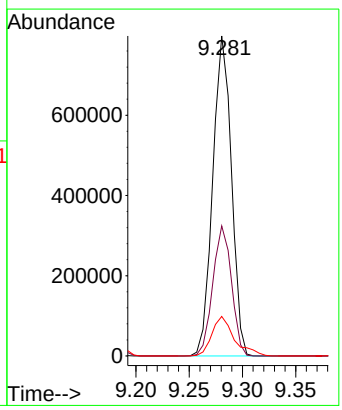


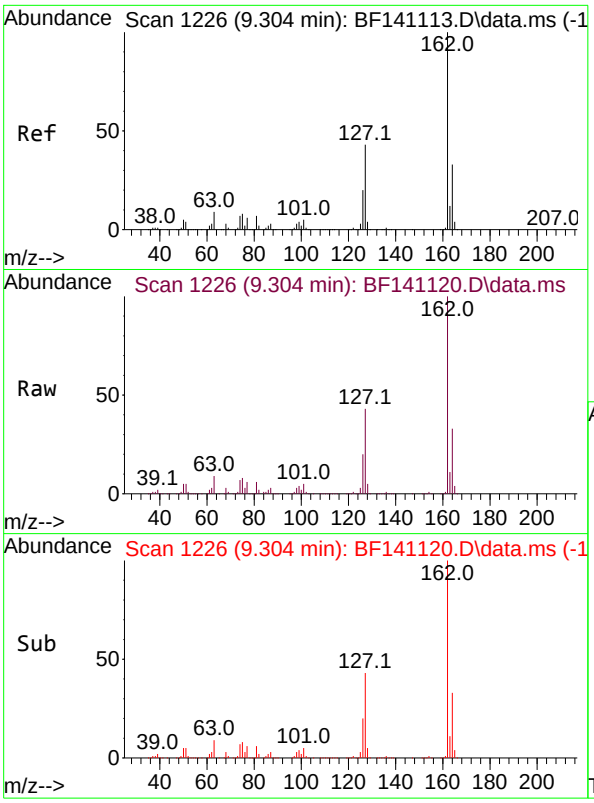


#46
1,1'-Biphenyl
Concen: 39.682 ng
RT: 9.281 min Scan# 1222
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:154 Resp: 970736

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.7	60.7
76	12.4	0.0	33.1



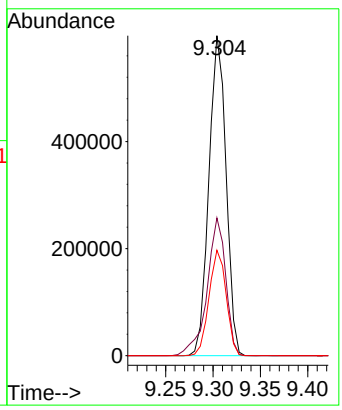


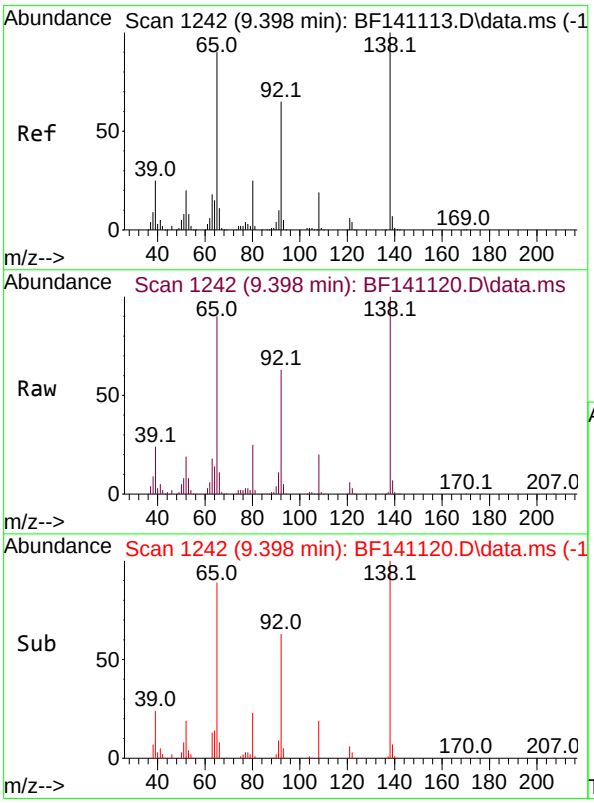
#47
2-Chloronaphthalene
Concen: 39.481 ng
RT: 9.304 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Instrument :
BNA_F
ClientSampleId :
ICVBF011025

Tgt Ion:162 Resp: 752248

Ion	Ratio	Lower	Upper
162	100		
127	43.0	34.6	51.8
164	33.0	26.5	39.7

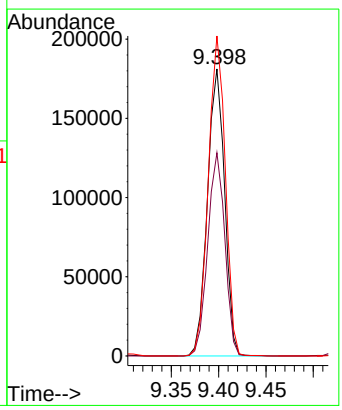


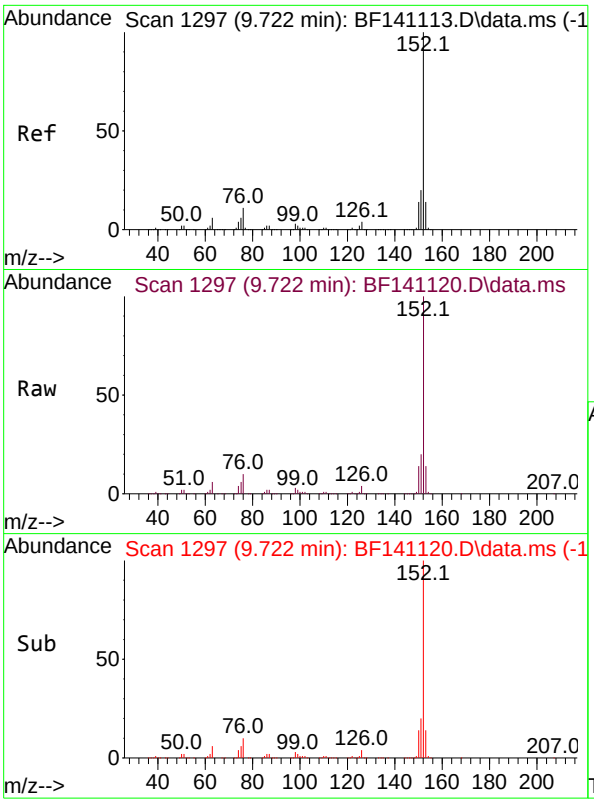


#48
2-Nitroaniline
Concen: 40.330 ng
RT: 9.398 min Scan# 1242
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion: 65 Resp: 227785

Ion	Ratio	Lower	Upper
65	100		
92	70.8	58.3	87.5
138	111.5	89.1	133.7



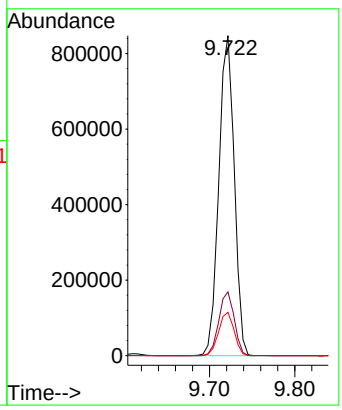


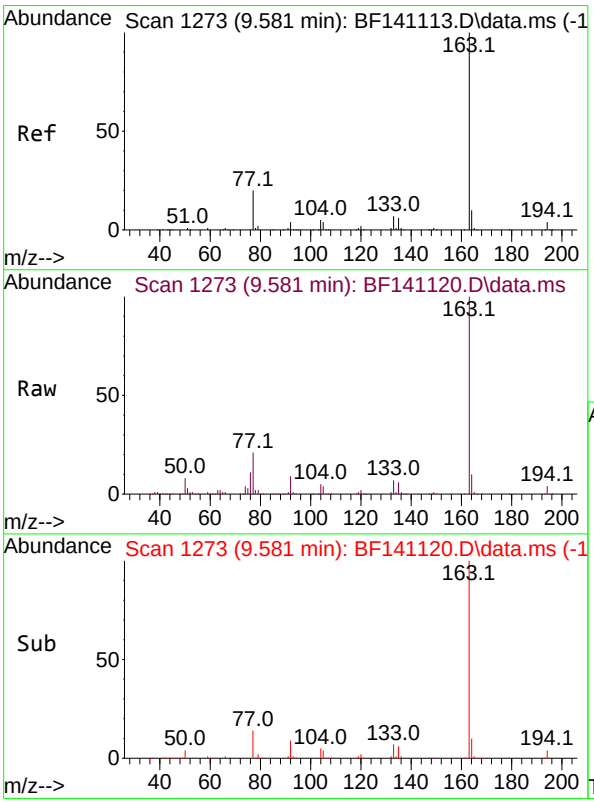
#49
Acenaphthylene
Concen: 39.356 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Instrument :
BNA_F
ClientSampleId :
ICVBF011025

Tgt Ion:152 Resp: 1071325

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.1	24.1
153	13.5	11.1	16.7

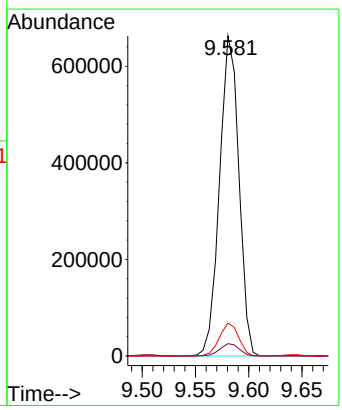


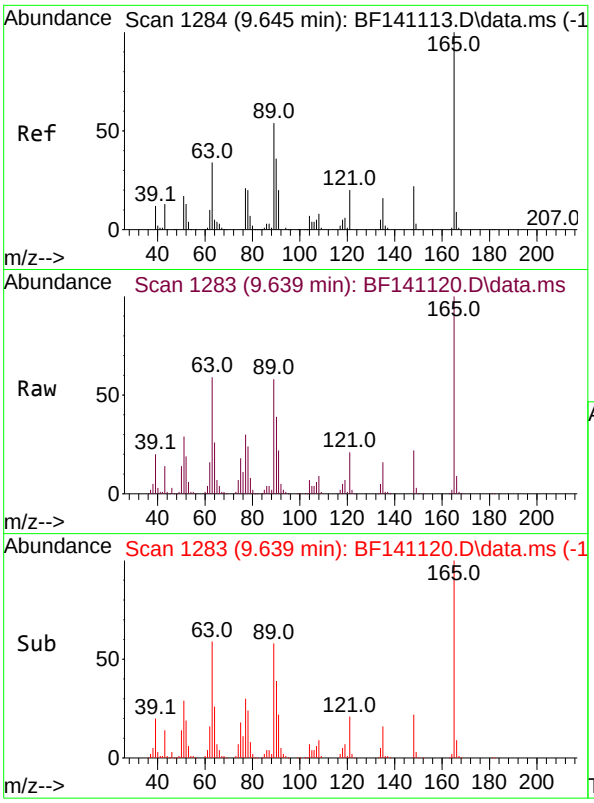


#50
Dimethylphthalate
Concen: 39.515 ng
RT: 9.581 min Scan# 1273
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:163 Resp: 835630

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	10.3	8.2	12.4



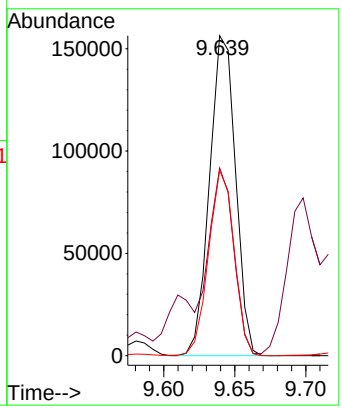


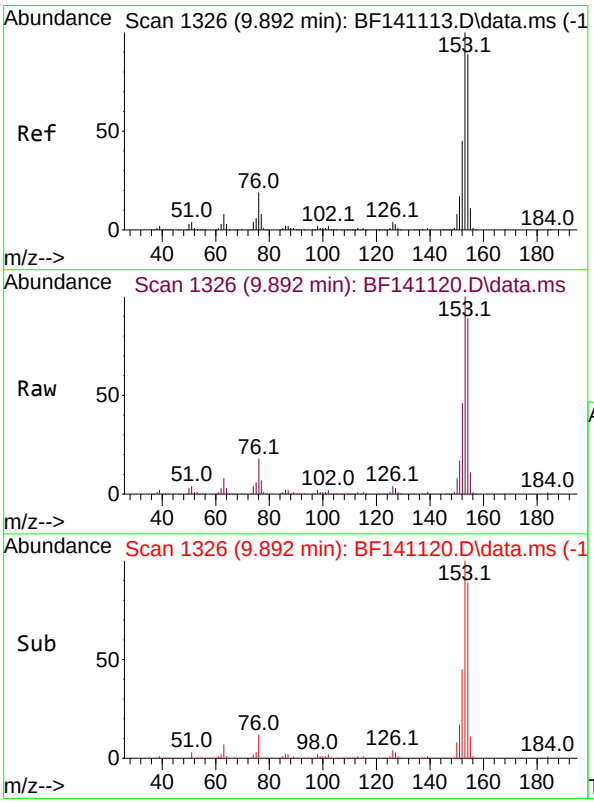
#51
2,6-Dinitrotoluene
Concen: 40.554 ng
RT: 9.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Instrument :
BNA_F
ClientSampleId :
ICVBF011025

Tgt Ion:165 Resp: 199428

Ion	Ratio	Lower	Upper
165	100		
63	58.7	42.3	63.5
89	57.9	43.1	64.7

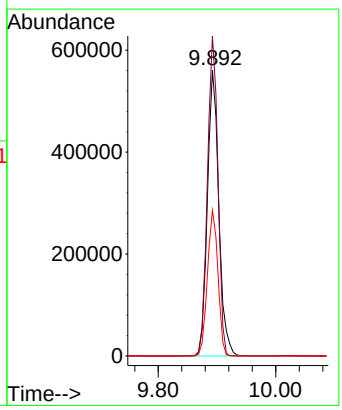


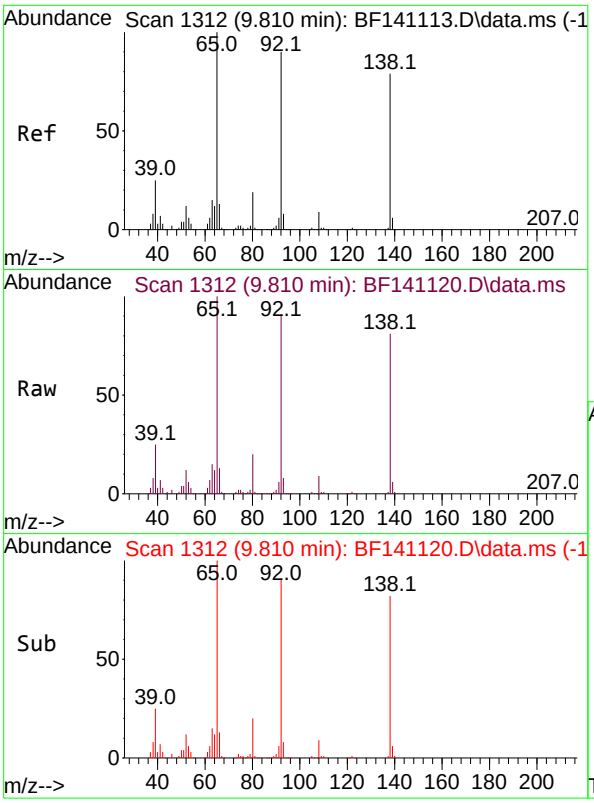


#52
Acenaphthene
Concen: 39.611 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:154 Resp: 753339

Ion	Ratio	Lower	Upper
154	100		
153	112.0	89.8	134.6
152	51.0	40.8	61.2



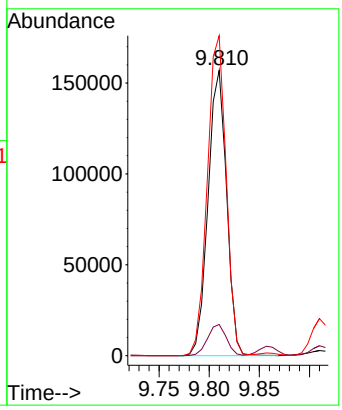


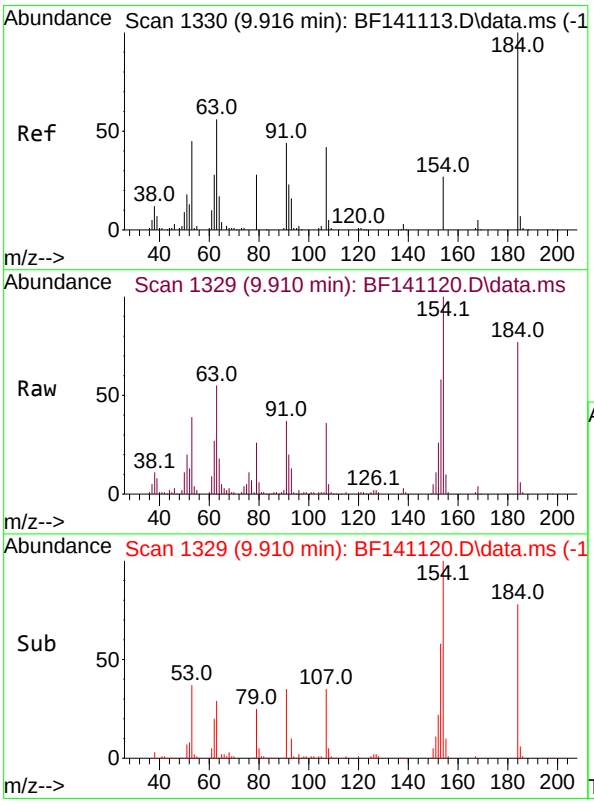
#53
3-Nitroaniline
Concen: 40.360 ng
RT: 9.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Instrument :
BNA_F
ClientSampleId :
ICVBF011025

Tgt Ion:138 Resp: 201692

Ion	Ratio	Lower	Upper
138	100		
108	10.9	8.8	13.2
92	112.1	91.3	136.9

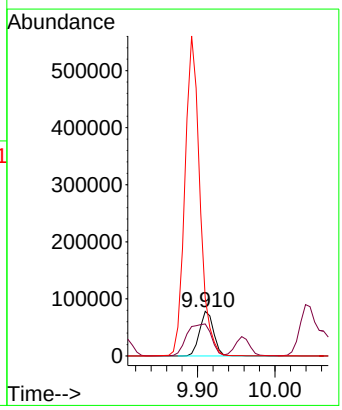


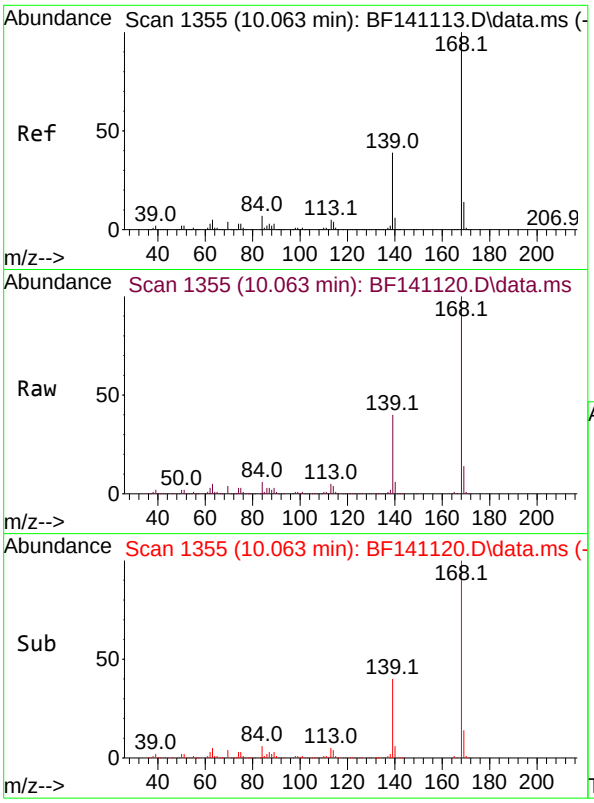


#54
2,4-Dinitrophenol
Concen: 42.266 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:184 Resp: 98794

Ion	Ratio	Lower	Upper
184	100		
63	71.7	48.7	73.1
154	129.2	57.1	85.7#



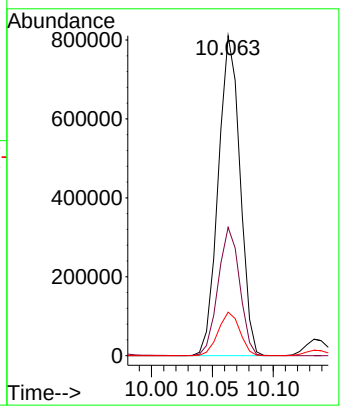


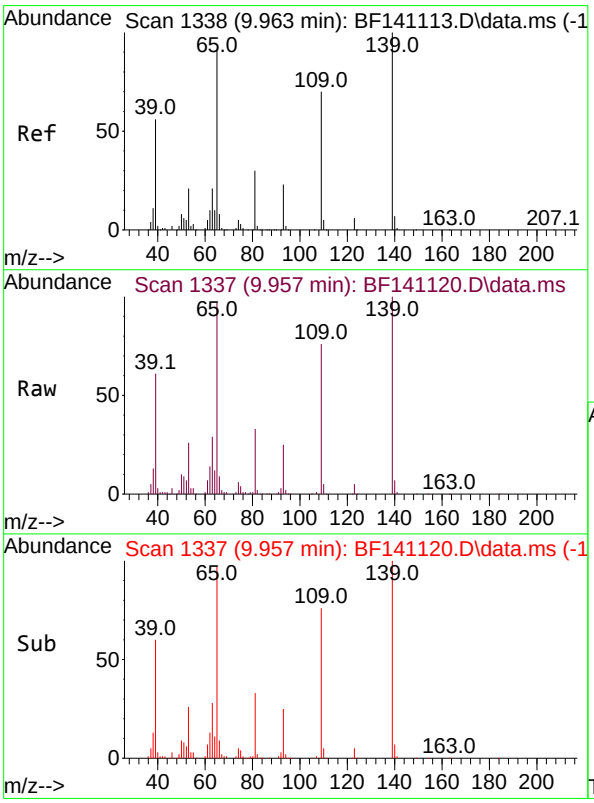
#55
Dibenzofuran
Concen: 38.957 ng
RT: 10.063 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Instrument :
BNA_F
ClientSampleId :
ICVBF011025

Tgt Ion:168 Resp: 1007778

Ion	Ratio	Lower	Upper
168	100		
139	40.1	31.4	47.0
169	13.6	10.9	16.3

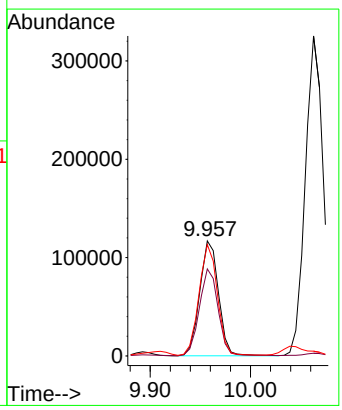


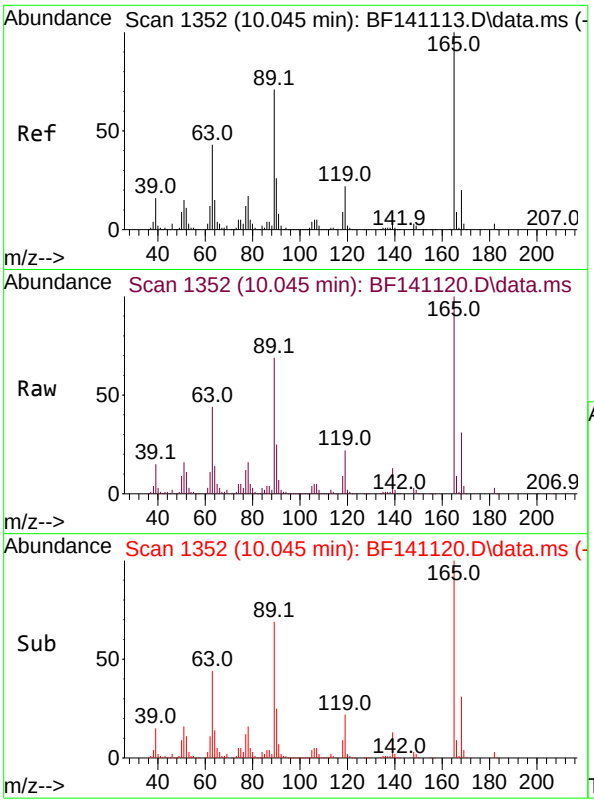


#56
4-Nitrophenol
Concen: 38.970 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.006 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:139 Resp: 152518

Ion	Ratio	Lower	Upper
139	100		
109	75.6	50.2	90.2
65	96.9	72.1	112.1



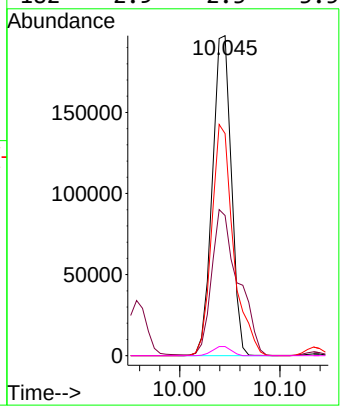


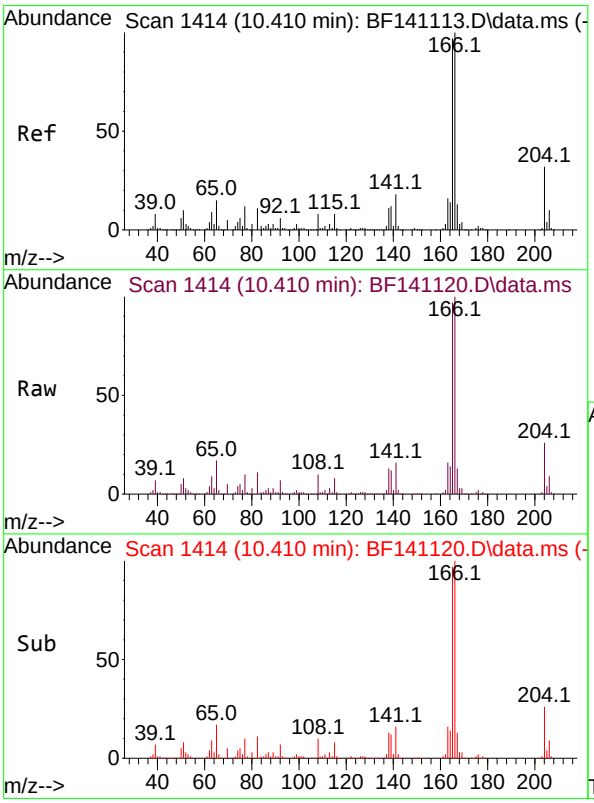
#57
2,4-Dinitrotoluene
Concen: 40.773 ng
RT: 10.045 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Instrument :
BNA_F
ClientSampleId :
ICVBF011025

Tgt Ion:165 Resp: 258400

Ion	Ratio	Lower	Upper
165	100		
63	43.8	35.0	52.4
89	69.4	56.7	85.1
182	2.9	2.3	3.5

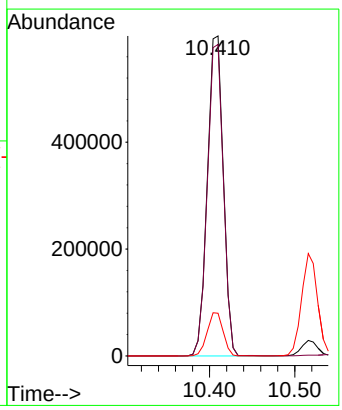


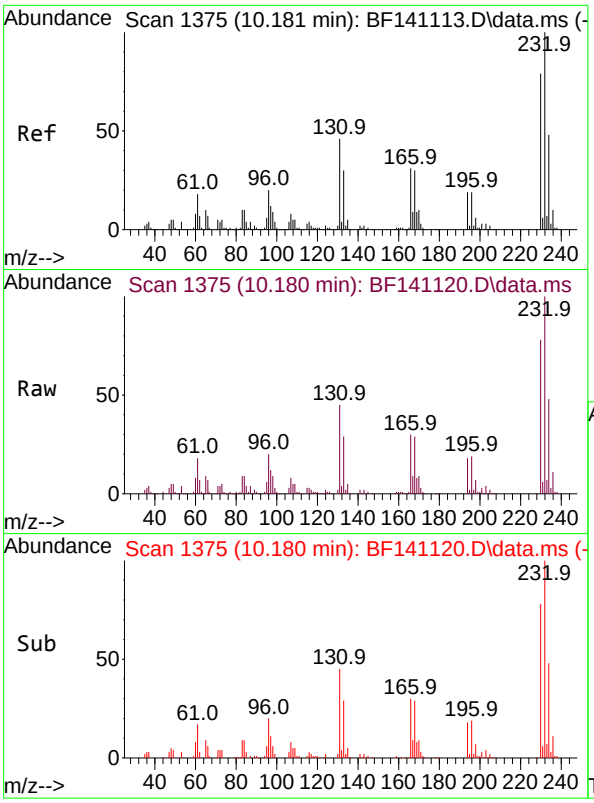


#58
Fluorene
Concen: 38.770 ng
RT: 10.410 min Scan# 1414
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:166 Resp: 779173

Ion	Ratio	Lower	Upper
166	100		
165	97.3	77.8	116.8
167	13.4	10.8	16.2



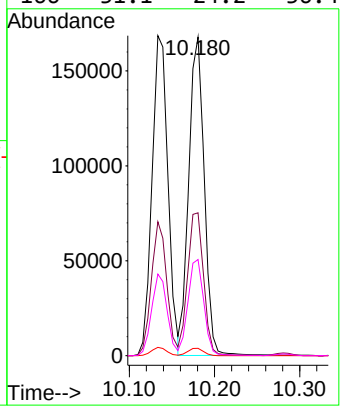


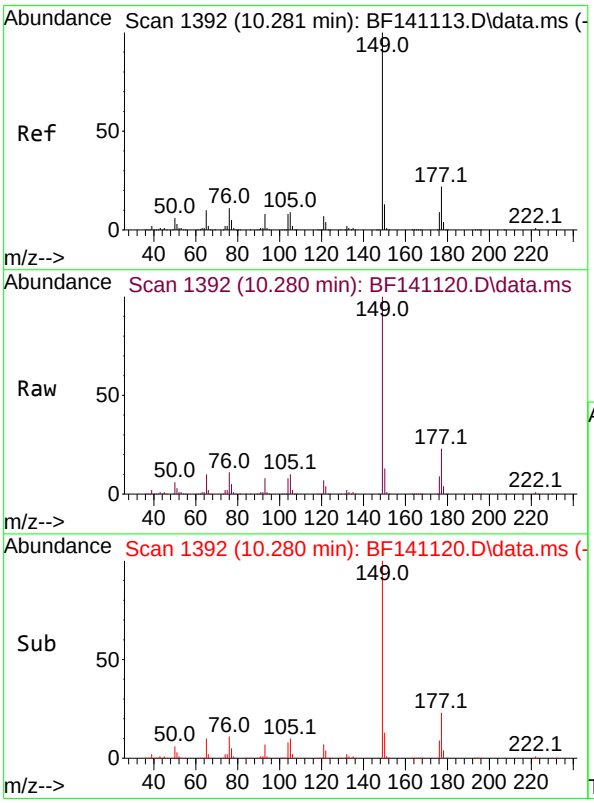
#59
2,3,4,6-Tetrachlorophenol
Concen: 39.593 ng
RT: 10.180 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Instrument :
BNA_F
ClientSampleId :
ICVBF011025

Tgt Ion:232 Resp: 211938

Ion	Ratio	Lower	Upper
232	100		
131	46.0	36.2	54.4
130	2.4	2.0	3.0
166	31.1	24.2	36.4

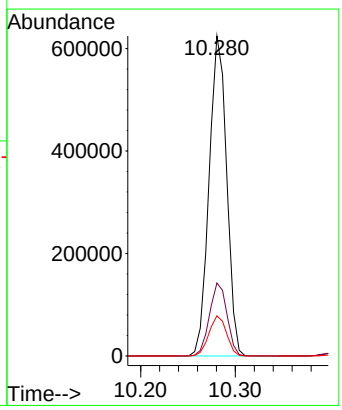


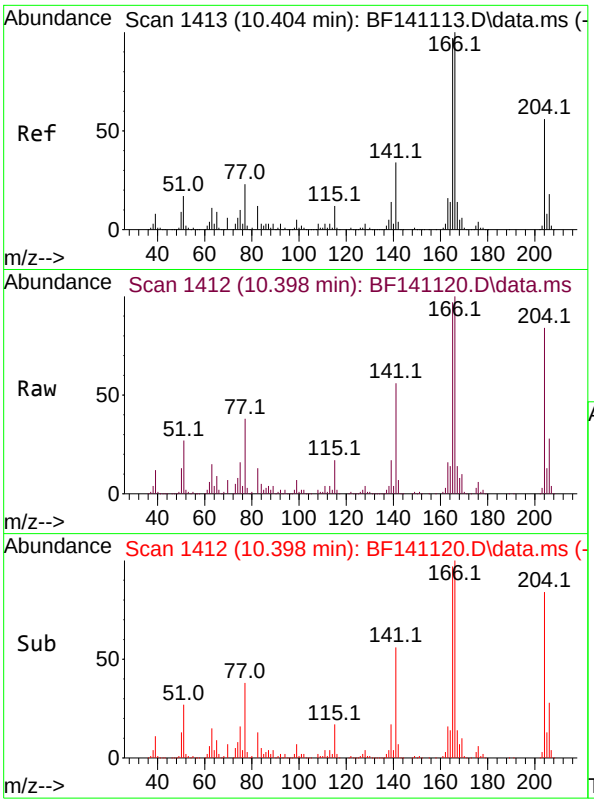


#60
Diethylphthalate
Concen: 38.912 ng
RT: 10.280 min Scan# 1392
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:149 Resp: 803338

Ion	Ratio	Lower	Upper
149	100		
177	22.8	17.9	26.9
150	12.6	10.2	15.2



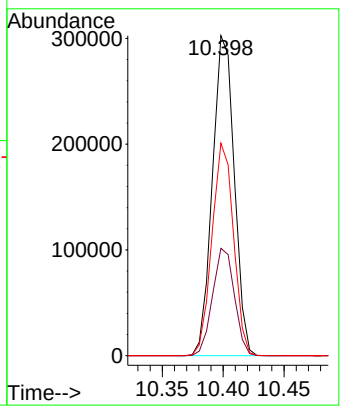


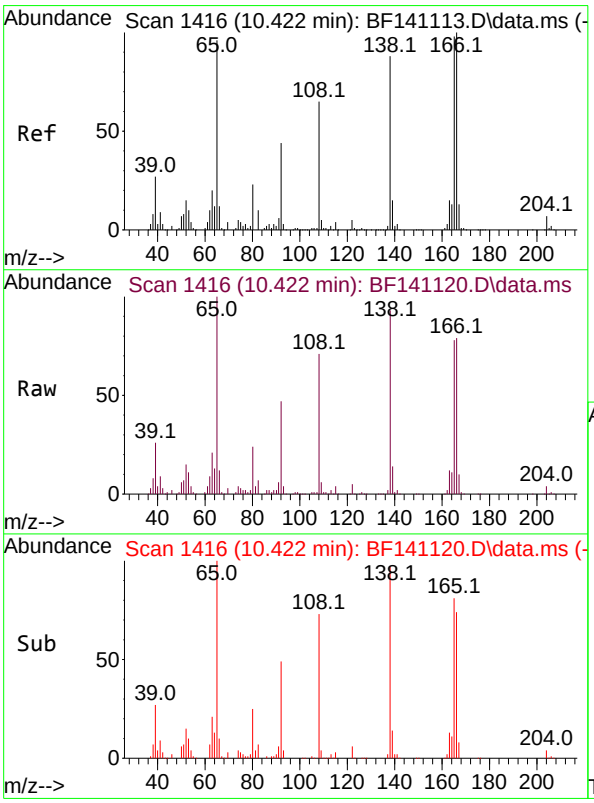
#61
4-Chlorophenyl-phenylether
Concen: 38.542 ng
RT: 10.398 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Instrument :
BNA_F
ClientSampleId :
ICVBF011025

Tgt Ion:204 Resp: 377526

Ion	Ratio	Lower	Upper
204	100		
206	33.5	25.9	38.9
141	66.4	49.1	73.7

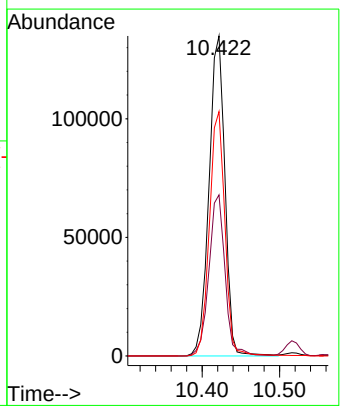


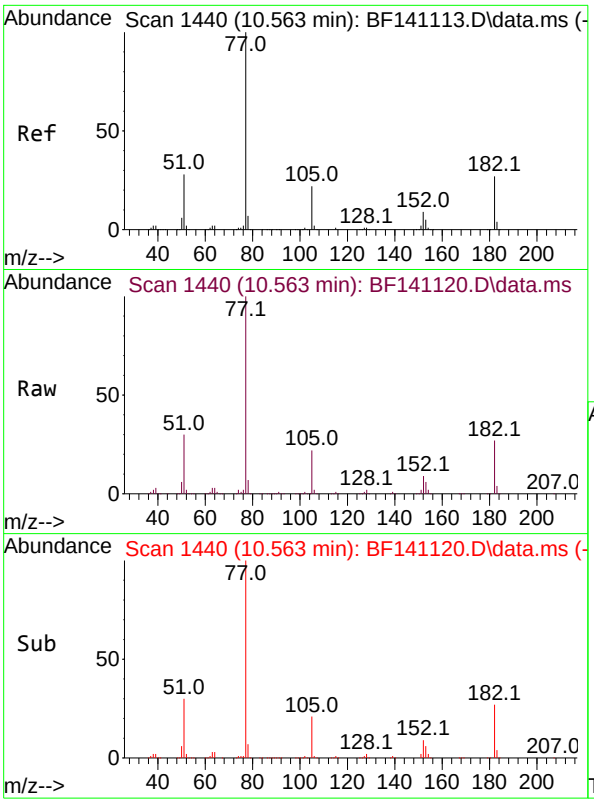


#62
4-Nitroaniline
Concen: 39.273 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:138 Resp: 192093

Ion	Ratio	Lower	Upper
138	100		
92	50.4	29.4	69.4
108	76.4	53.7	93.7



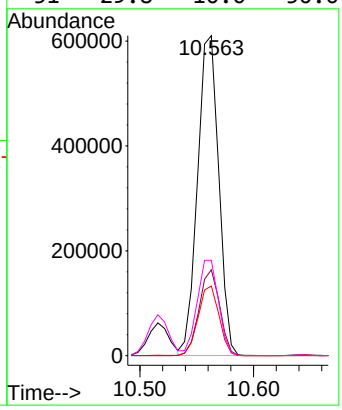


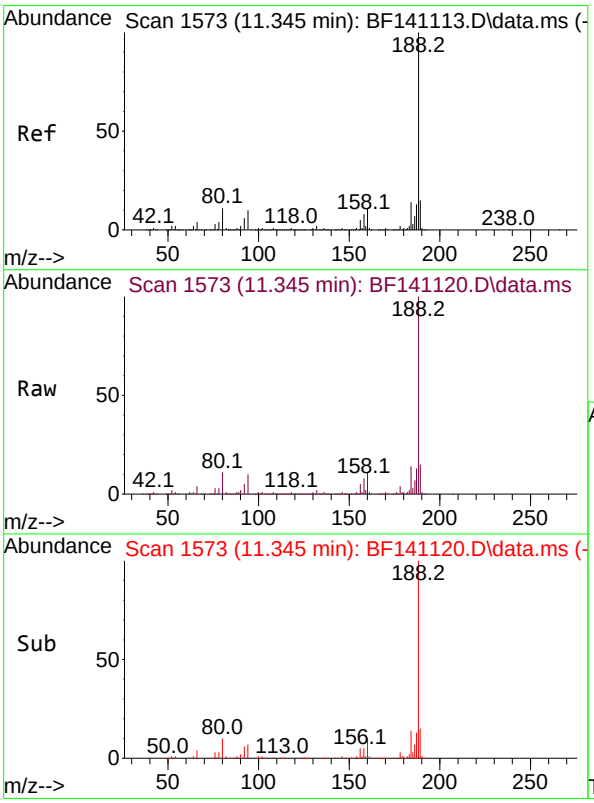
#63
Azobenzene
Concen: 38.845 ng
RT: 10.563 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Instrument :
BNA_F
ClientSampleId :
ICVBF011025

Tgt Ion: 77 Resp: 791308

Ion	Ratio	Lower	Upper
77	100		
182	26.9	6.1	46.1
105	21.8	2.1	42.1
51	29.8	10.0	50.0

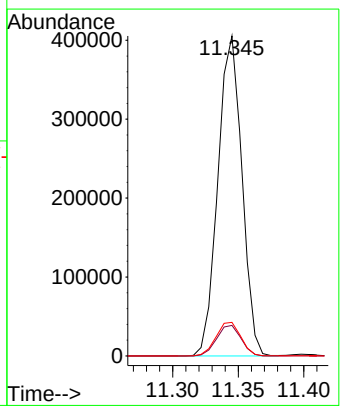


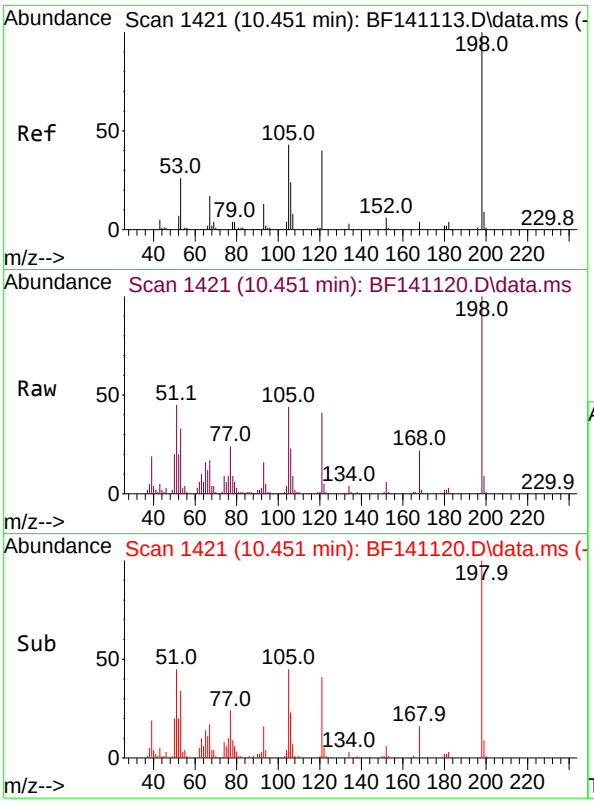


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:188 Resp: 516568

Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.3	12.5
80	10.5	9.0	13.4



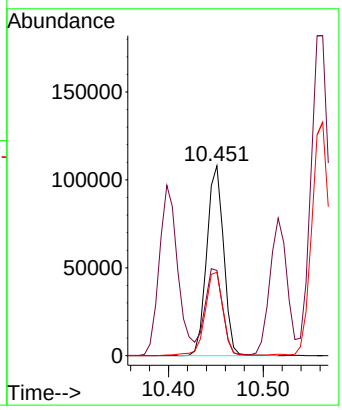


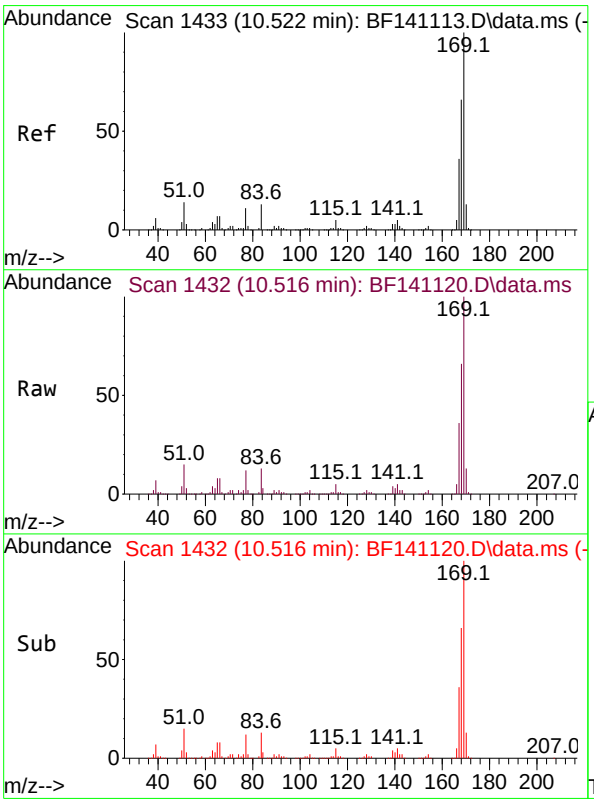
#65
4,6-Dinitro-2-methylphenol
Concen: 44.592 ng
RT: 10.451 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Instrument :
BNA_F
ClientSampleId :
ICVBF011025

Tgt Ion:198 Resp: 133479

Ion	Ratio	Lower	Upper
198	100		
51	44.9	27.1	67.1
105	43.9	24.2	64.2

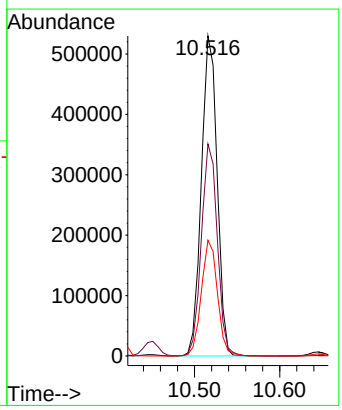


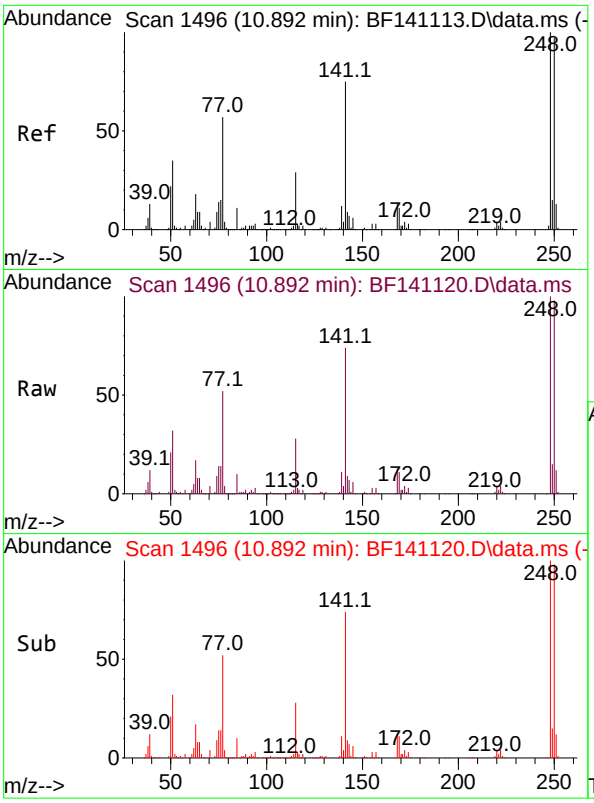


#66
n-Nitrosodiphenylamine
Concen: 40.845 ng
RT: 10.516 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:169 Resp: 680537

Ion	Ratio	Lower	Upper
169	100		
168	66.3	52.5	78.7
167	36.2	28.9	43.3



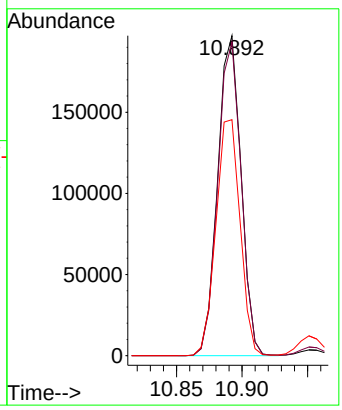


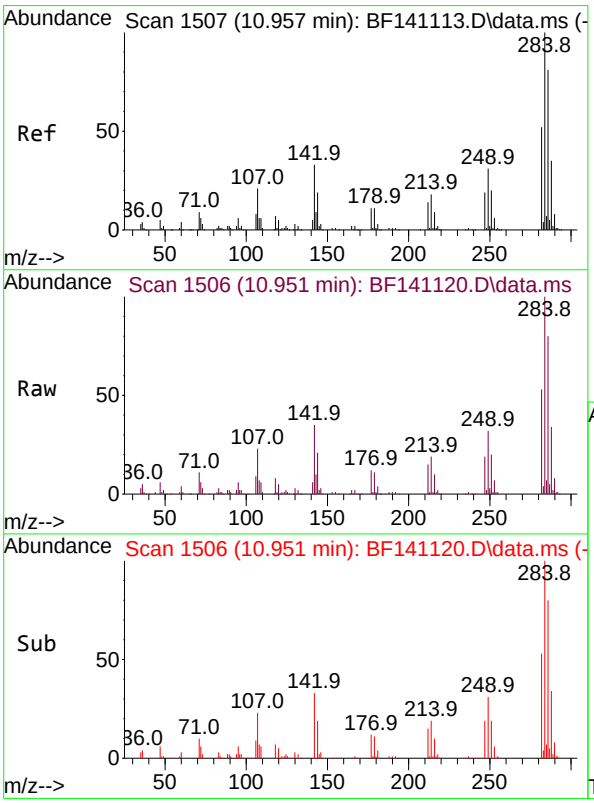
#67
4-Bromophenyl-phenylether
Concen: 41.081 ng
RT: 10.892 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Instrument :
BNA_F
ClientSampleId :
ICVBF011025

Tgt Ion:248 Resp: 244318

Ion	Ratio	Lower	Upper
248	100		
250	98.0	77.9	116.9
141	73.7	59.9	89.9

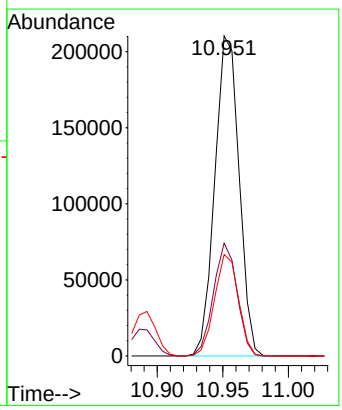


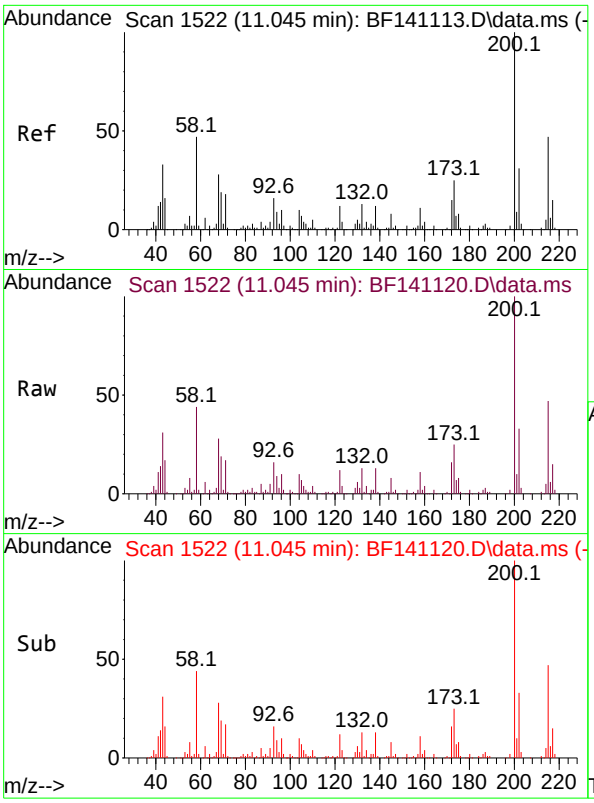


#68
Hexachlorobenzene
Concen: 40.794 ng
RT: 10.951 min Scan# 1506
Delta R.T. -0.006 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:284 Resp: 270074

Ion	Ratio	Lower	Upper
284	100		
142	35.2	26.3	39.5
249	31.7	24.9	37.3



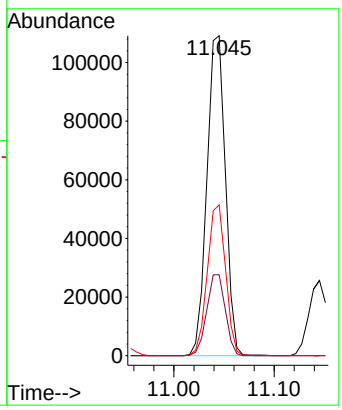


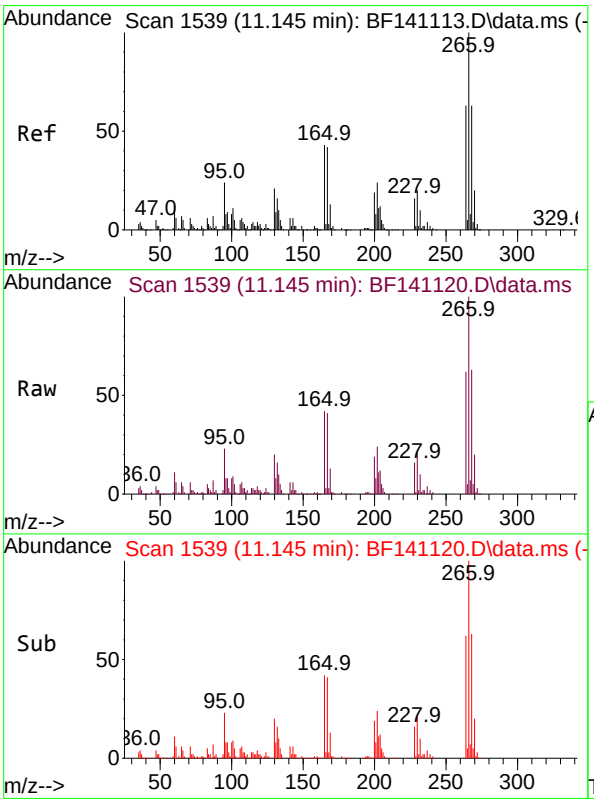
#69
Atrazine
Concen: 31.165 ng
RT: 11.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Instrument :
BNA_F
ClientSampleId :
ICVBF011025

Tgt Ion:200 Resp: 139816

Ion	Ratio	Lower	Upper
200	100		
173	25.3	5.4	45.4
215	47.1	26.6	66.6

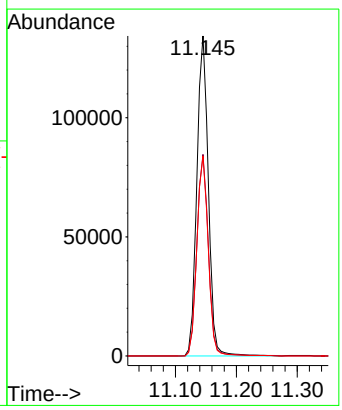


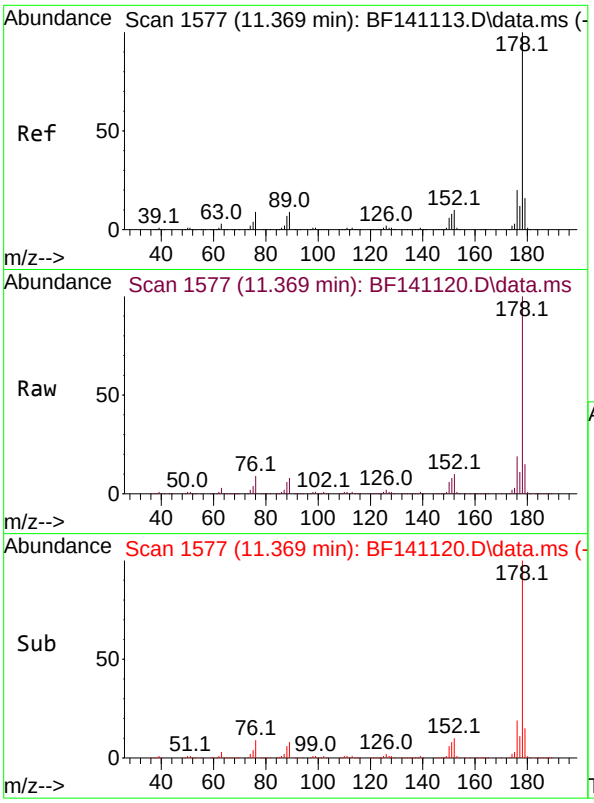


#70
Pentachlorophenol
Concen: 41.549 ng
RT: 11.145 min Scan# 1539
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:266 Resp: 176156

Ion	Ratio	Lower	Upper
266	100		
268	63.0	50.4	75.6
264	62.4	50.2	75.2



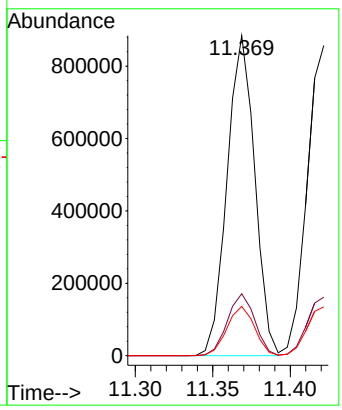


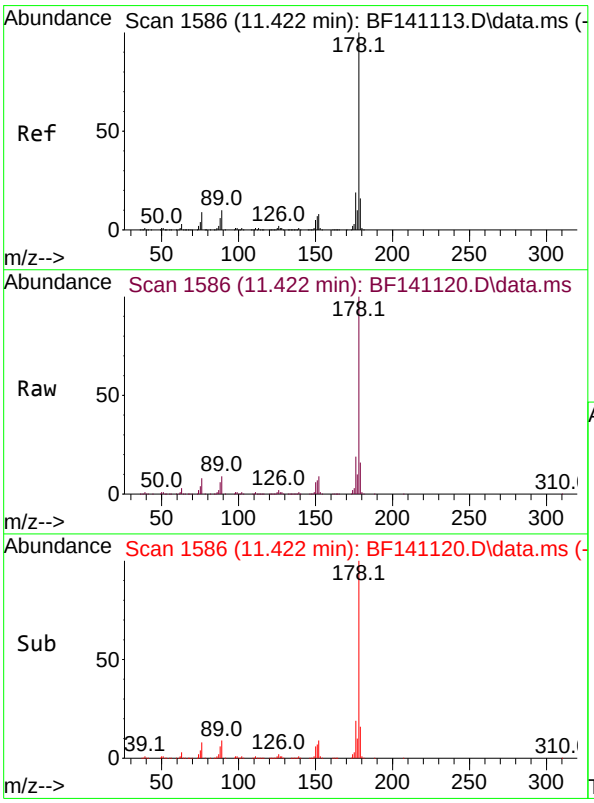
#71
Phenanthrene
Concen: 39.514 ng
RT: 11.369 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Instrument :
BNA_F
ClientSampleId :
ICVBF011025

Tgt Ion:178 Resp: 1095830

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.7	23.5
179	15.4	12.6	19.0

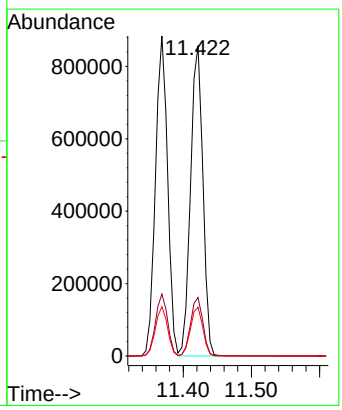


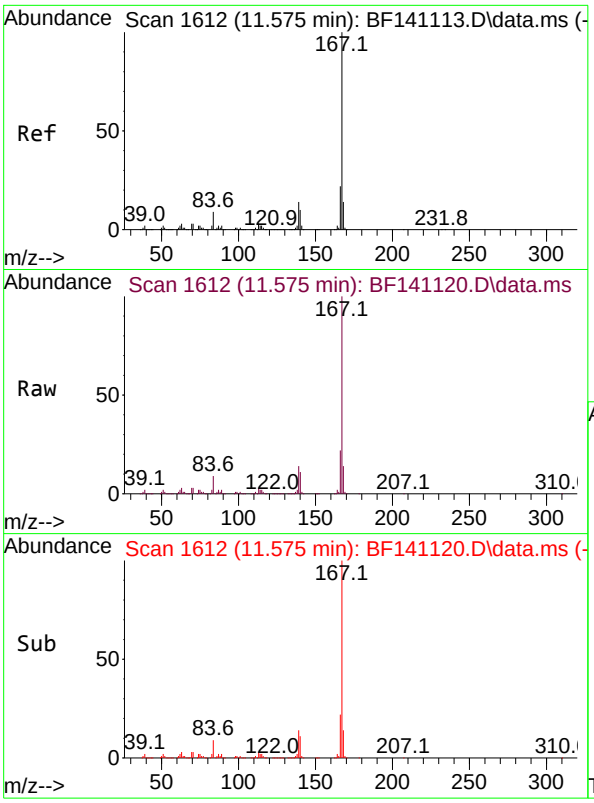


#72
Anthracene
Concen: 39.789 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:178 Resp: 1072960

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.9	22.3
179	15.8	12.6	19.0



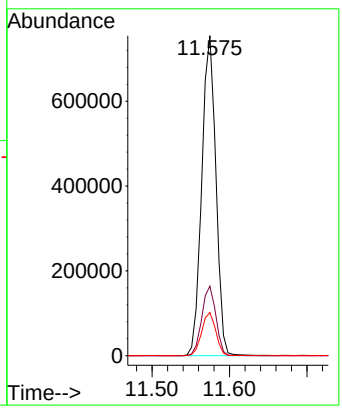


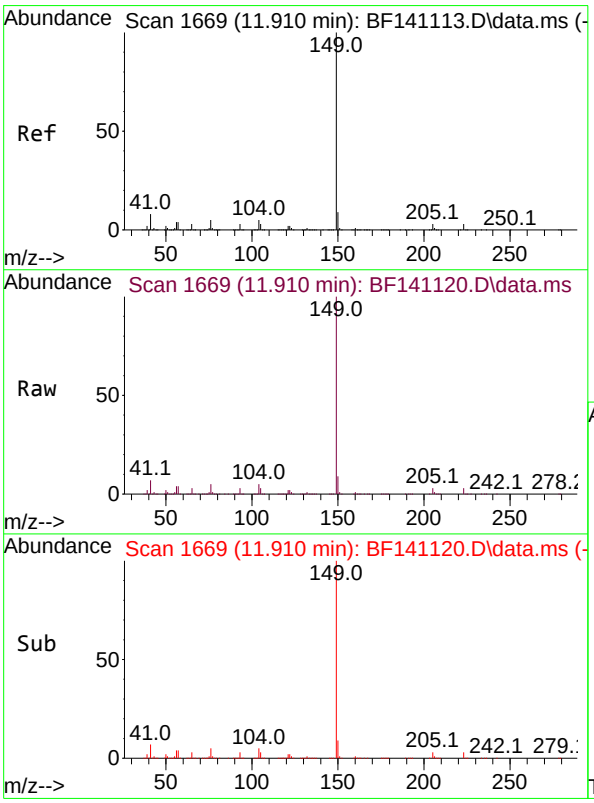
#73
Carbazole
Concen: 38.715 ng
RT: 11.575 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Instrument :
BNA_F
ClientSampleId :
ICVBF011025

Tgt Ion:167 Resp: 957273

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.4	26.2
139	13.5	10.9	16.3

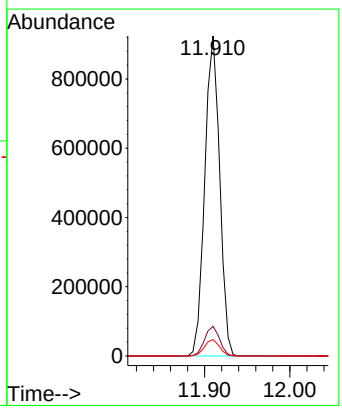


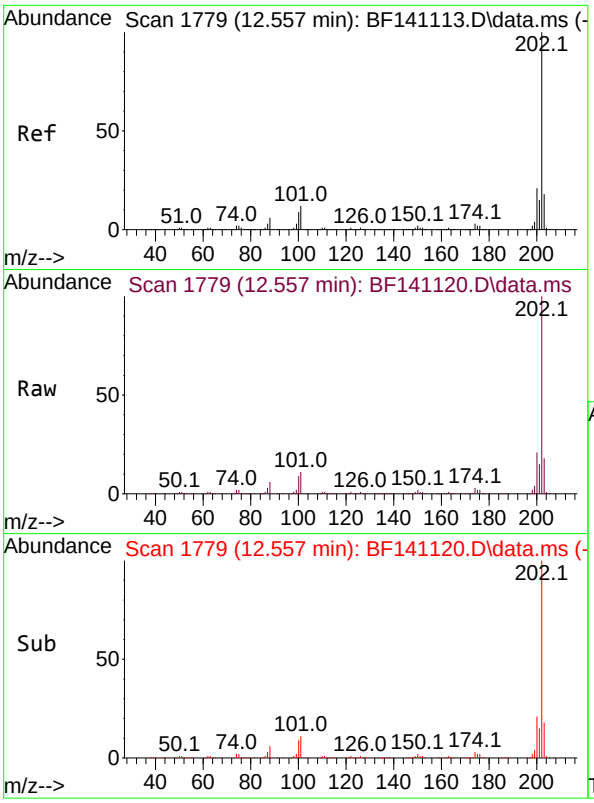


#74
Di-n-butylphthalate
Concen: 39.593 ng
RT: 11.910 min Scan# 1669
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:149 Resp: 1120353

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	5.1	4.2	6.2



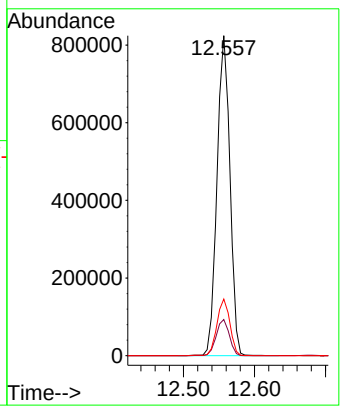


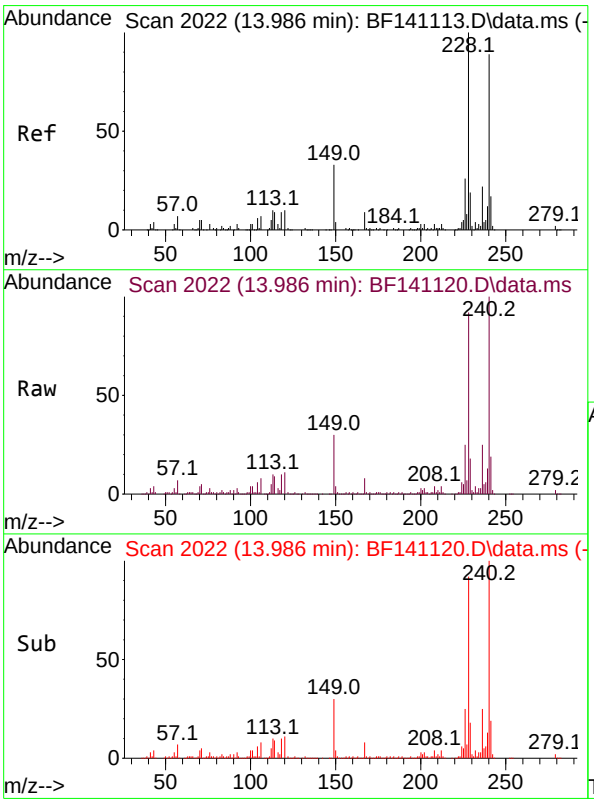
#75
Fluoranthene
Concen: 37.440 ng
RT: 12.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Instrument :
BNA_F
ClientSampleId :
ICVBF011025

Tgt Ion:202 Resp: 1036155

Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	32.3
203	17.7	0.0	37.7

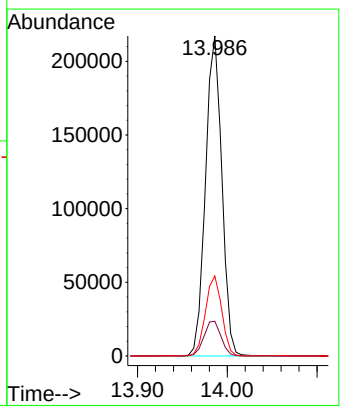


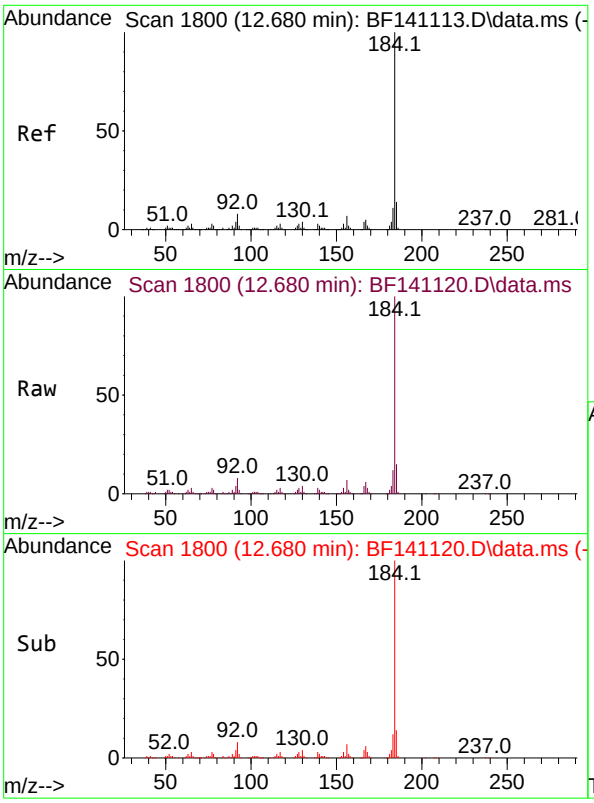


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:240 Resp: 274205

Ion	Ratio	Lower	Upper
240	100		
120	10.9	9.1	13.7
236	25.0	19.8	29.6



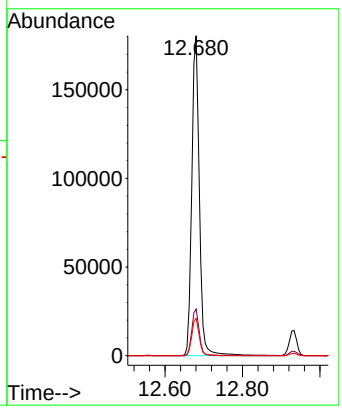


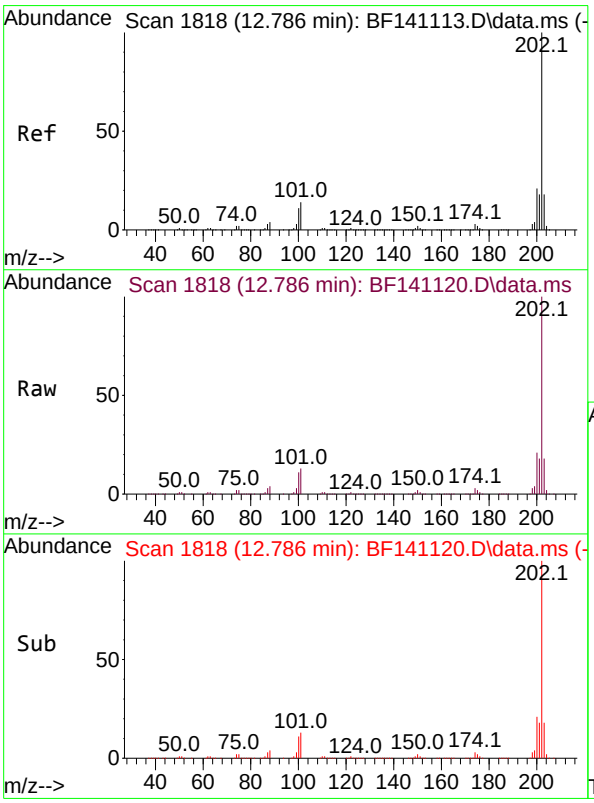
#77
Benzidine
Concen: 48.333 ng
RT: 12.680 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Instrument :
BNA_F
ClientSampleId :
ICVBF011025

Tgt Ion:184 Resp: 245773

Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.4	17.0
183	11.6	9.2	13.8

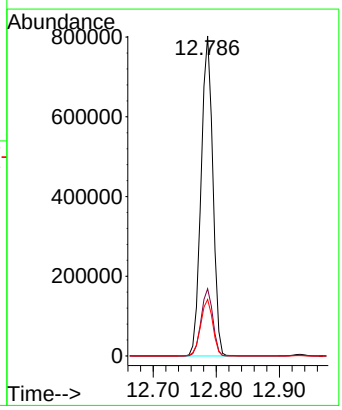


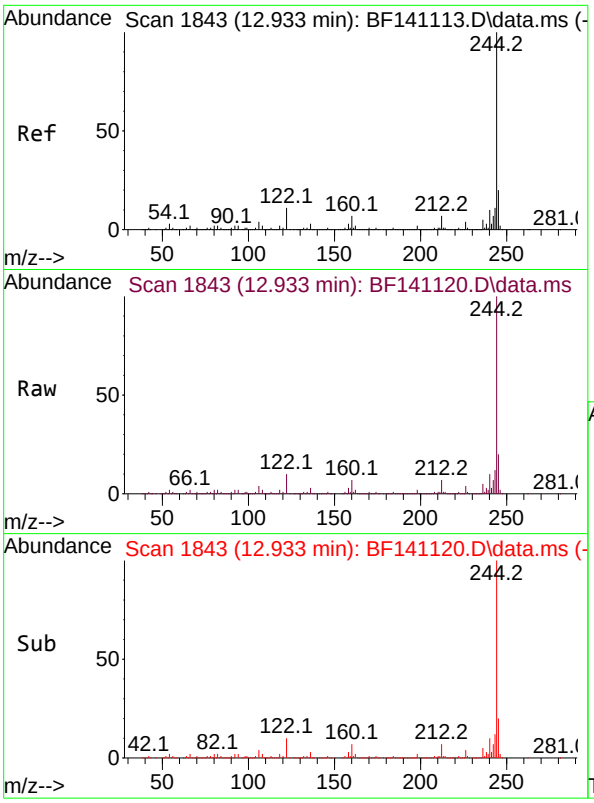


#78
Pyrene
Concen: 39.536 ng
RT: 12.786 min Scan# 1818
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:202 Resp: 1035445

Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.8	25.2
203	17.7	14.3	21.5



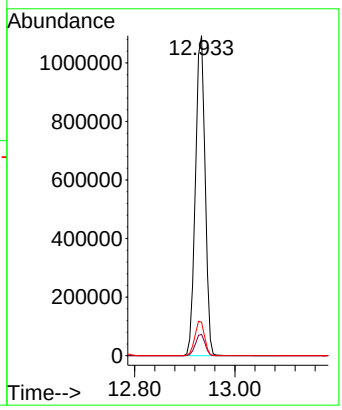


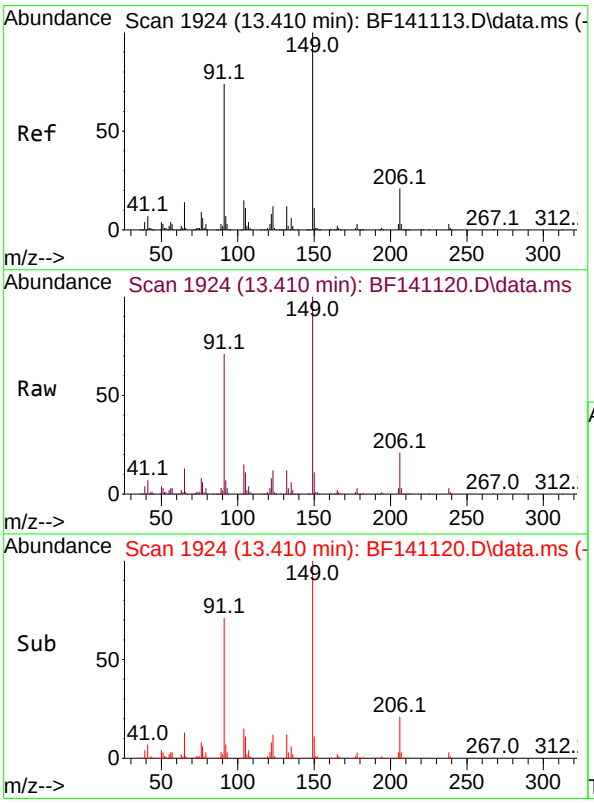
#79
Terphenyl-d14
Concen: 78.951 ng
RT: 12.933 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Instrument :
BNA_F
ClientSampleId :
ICVBF011025

Tgt Ion:244 Resp: 1456542

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.2
122	10.5	8.8	13.2

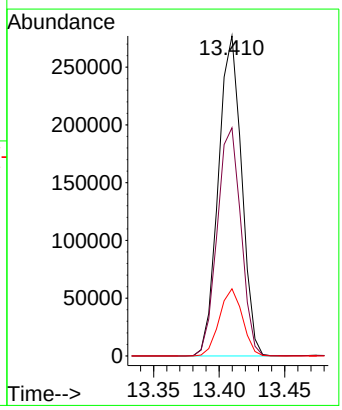


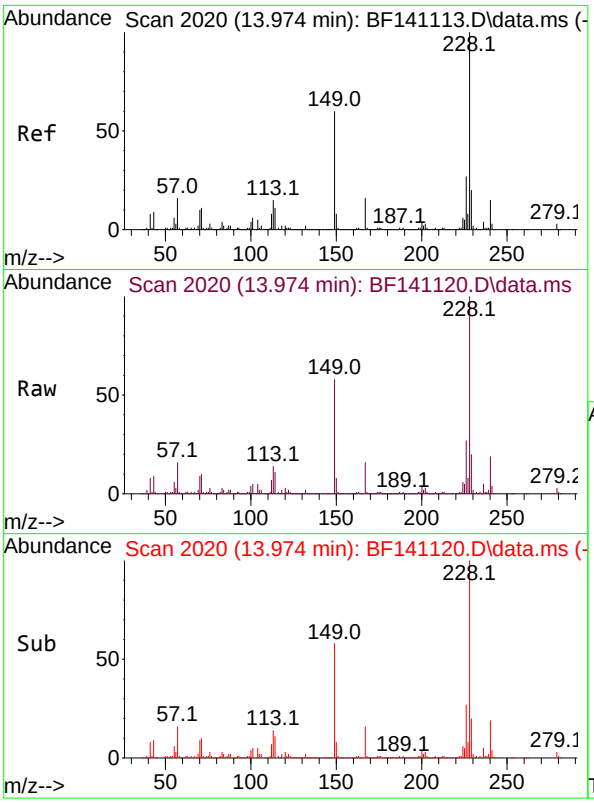


#80
Butylbenzylphthalate
Concen: 39.136 ng
RT: 13.410 min Scan# 1924
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:149 Resp: 341737

Ion	Ratio	Lower	Upper
149	100		
91	71.3	59.0	88.6
206	21.0	16.5	24.7



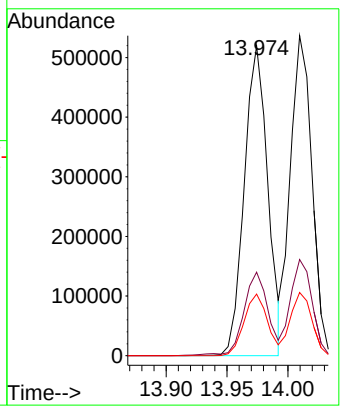


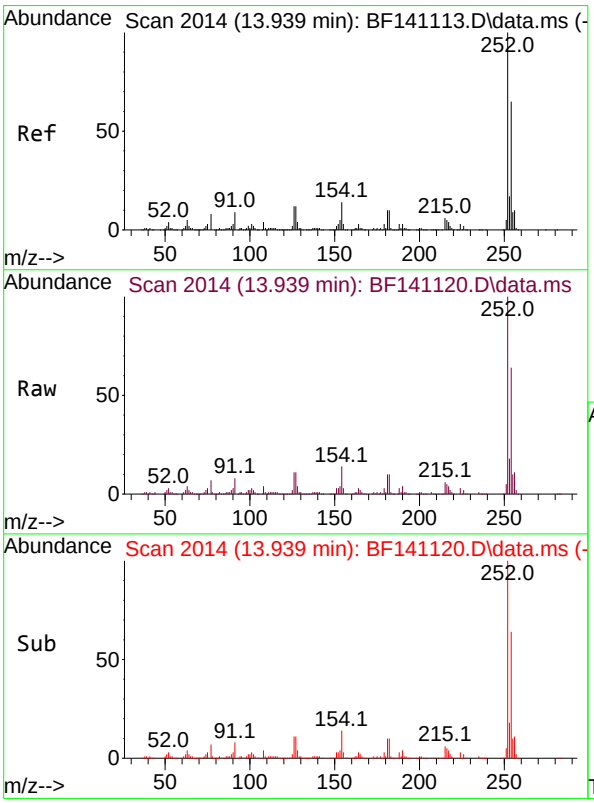
#81
Benzo(a)anthracene
Concen: 37.462 ng
RT: 13.974 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Instrument :
BNA_F
ClientSampleId :
ICVBF011025

Tgt Ion:228 Resp: 699094

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.7	32.5
229	19.9	15.7	23.5

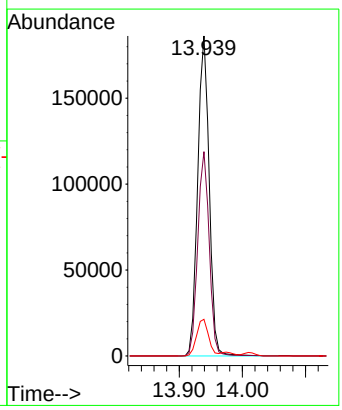


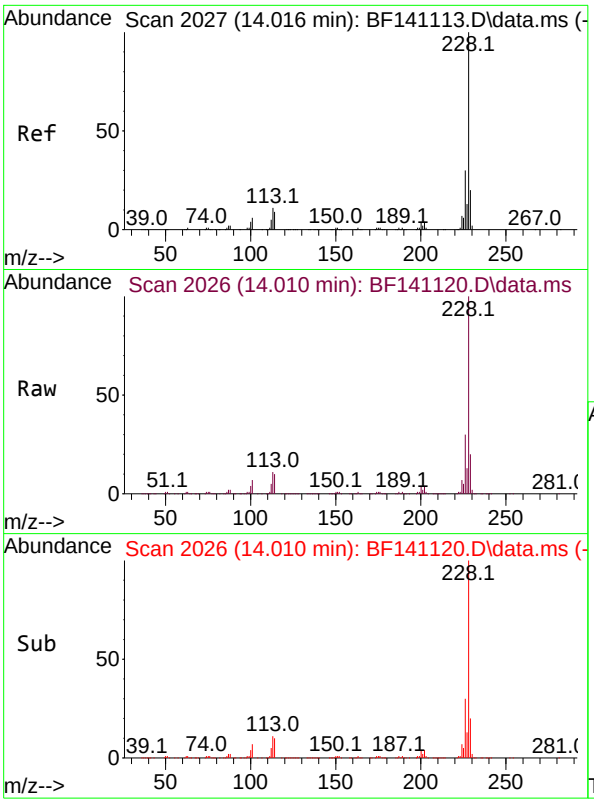


#82
3,3'-Dichlorobenzidine
Concen: 39.619 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.000 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:252 Resp: 235420

Ion	Ratio	Lower	Upper
252	100		
254	63.8	52.0	78.0
126	11.4	9.4	14.0



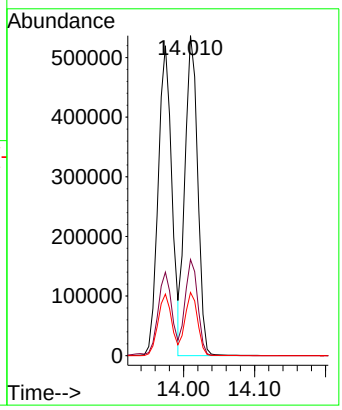


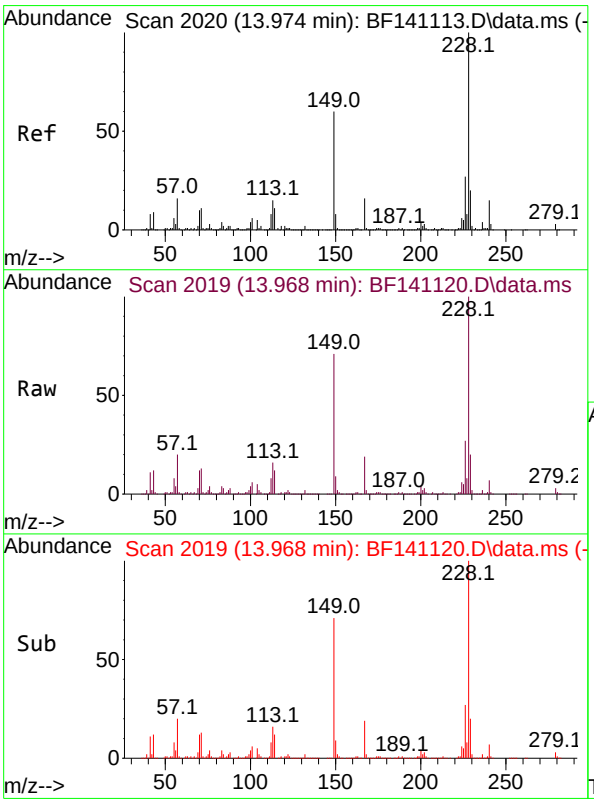
#83
Chrysene
Concen: 38.062 ng
RT: 14.010 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Instrument :
BNA_F
ClientSampleId :
ICVBF011025

Tgt Ion:228 Resp: 664611

Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.8	35.8
229	19.8	15.8	23.8

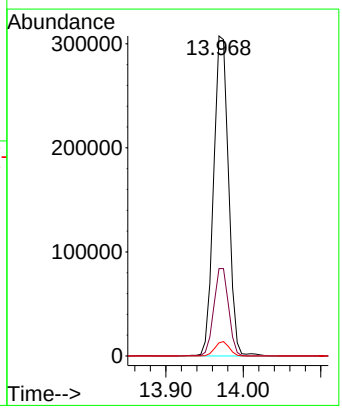


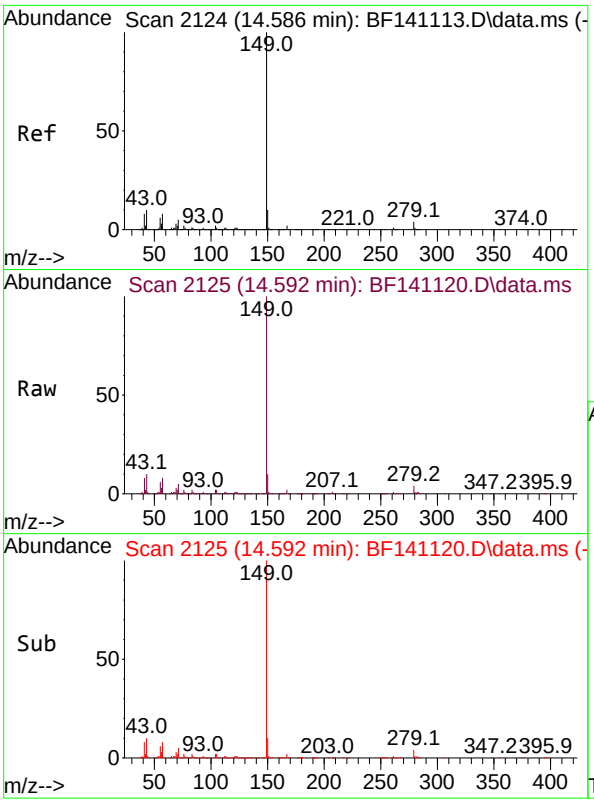


#84
Bis(2-ethylhexyl)phthalate
Concen: 39.130 ng
RT: 13.968 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:149 Resp: 409965

Ion	Ratio	Lower	Upper
149	100		
167	27.3	21.4	32.2
279	4.1	3.4	5.2



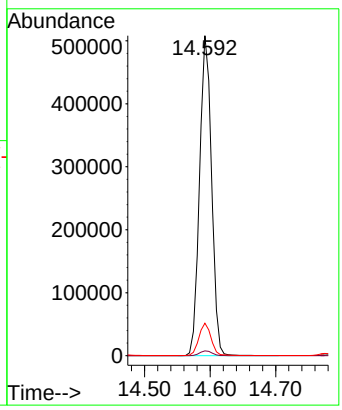


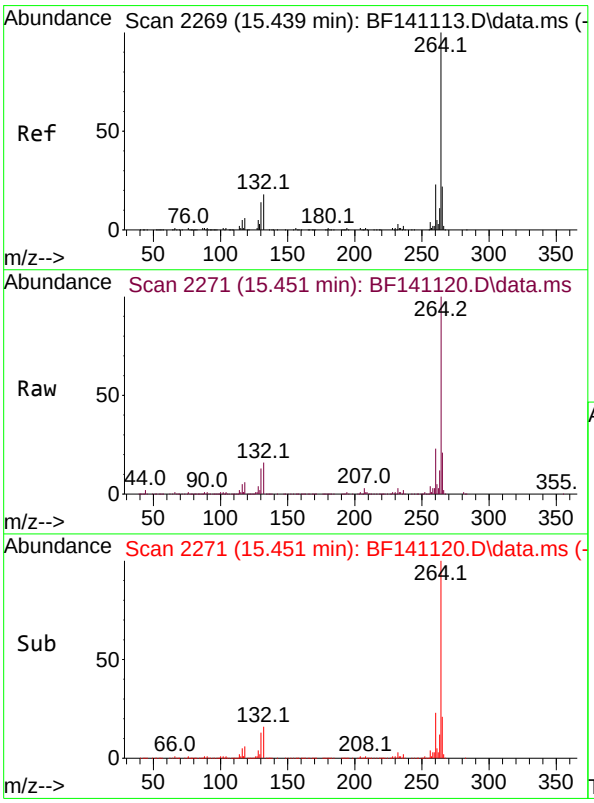
#85
Di-n-octyl phthalate
Concen: 41.072 ng
RT: 14.592 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Instrument :
BNA_F
ClientSampleId :
ICVBF011025

Tgt Ion:149 Resp: 649810

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	10.2	8.4	12.6

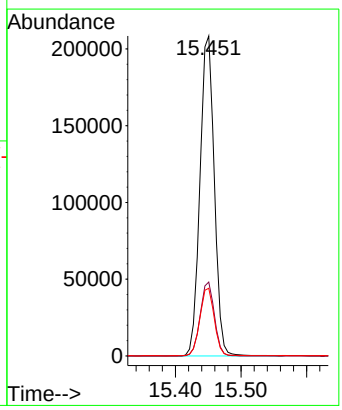


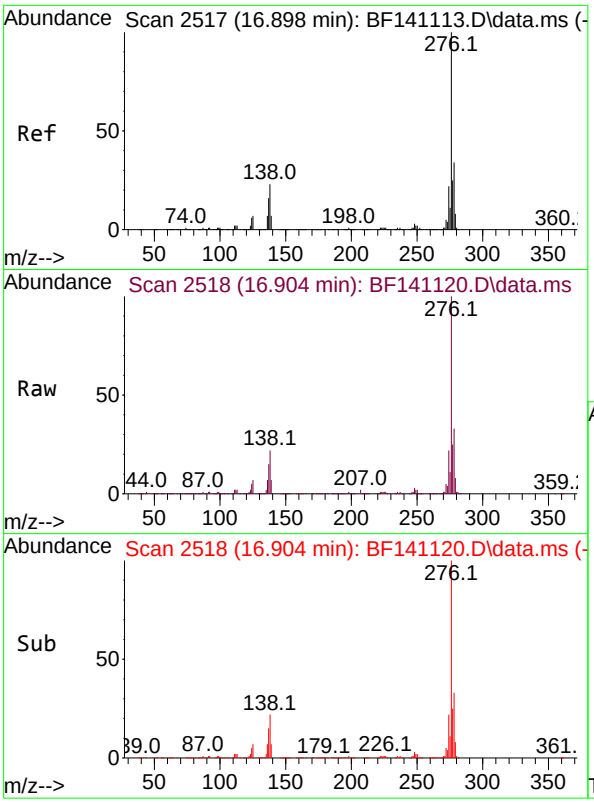


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2271
Delta R.T. 0.012 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:264 Resp: 318189

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.6	28.0
265	21.1	17.4	26.0



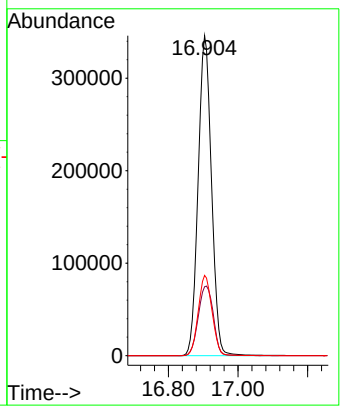


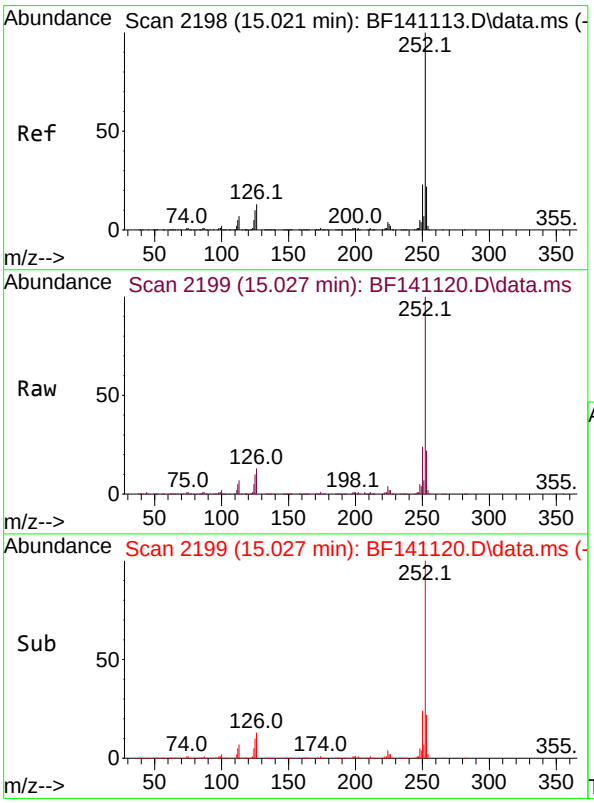
#87
Indeno(1,2,3-cd)pyrene
Concen: 39.527 ng
RT: 16.904 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Instrument :
BNA_F
ClientSampleId :
ICVBF011025

Tgt Ion:276 Resp: 921423

Ion	Ratio	Lower	Upper
276	100		
138	24.5	20.7	31.1
277	26.0	20.6	30.8

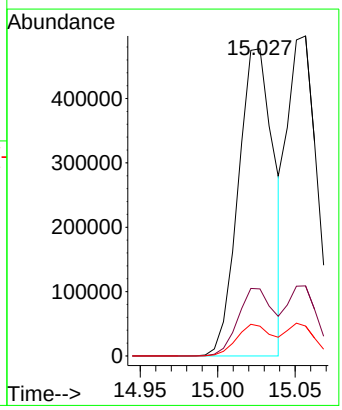


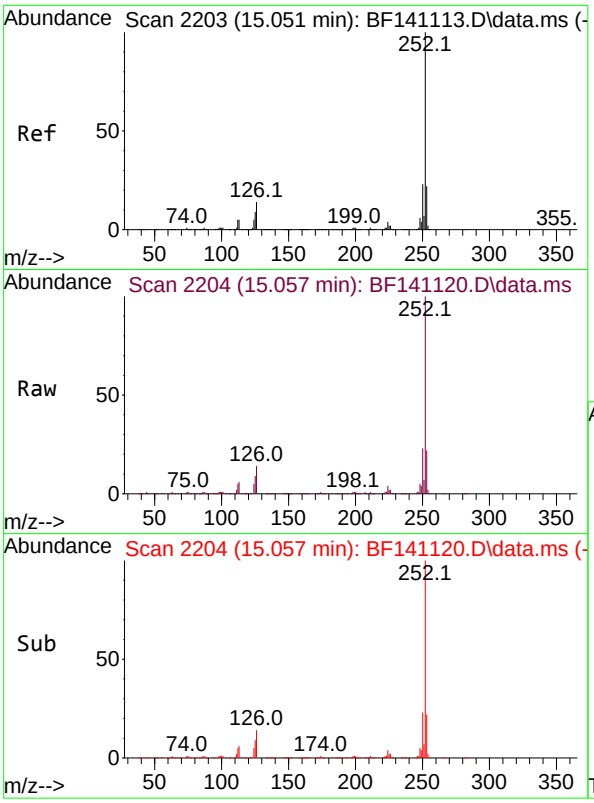


#88
Benzo(b)fluoranthene
Concen: 36.956 ng
RT: 15.027 min Scan# 2199
Delta R.T. 0.006 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:252 Resp: 758252

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.6
125	9.7	8.1	12.1



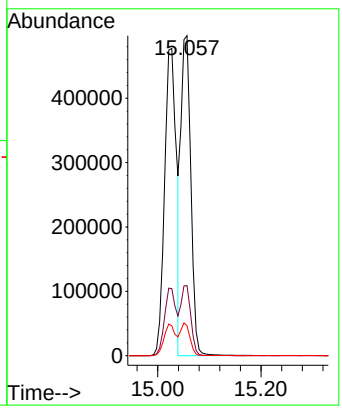


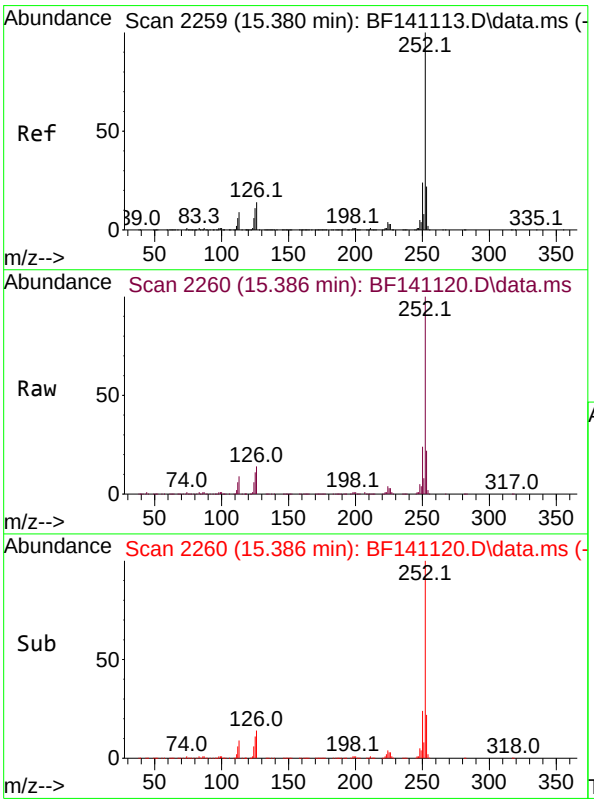
#89
Benzo(k)fluoranthene
Concen: 38.307 ng
RT: 15.057 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Instrument :
BNA_F
ClientSampleId :
ICVBF011025

Tgt Ion:252 Resp: 664225

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.8
125	9.4	7.9	11.9

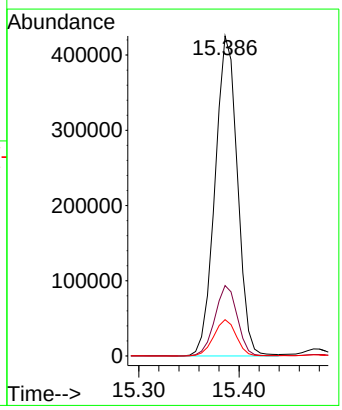


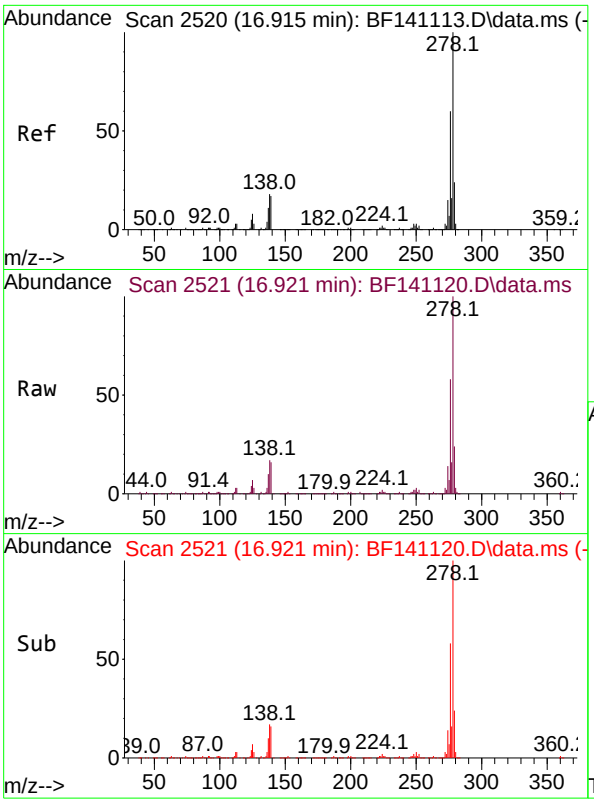


#90
Benzo(a)pyrene
Concen: 38.965 ng
RT: 15.386 min Scan# 2260
Delta R.T. 0.006 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:252 Resp: 659605

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	11.4	9.1	13.7



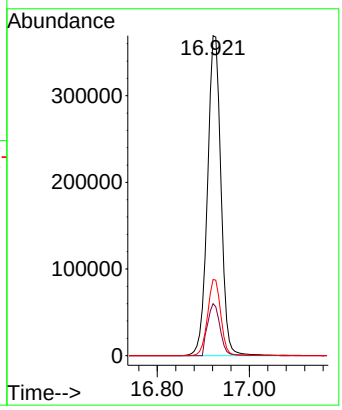


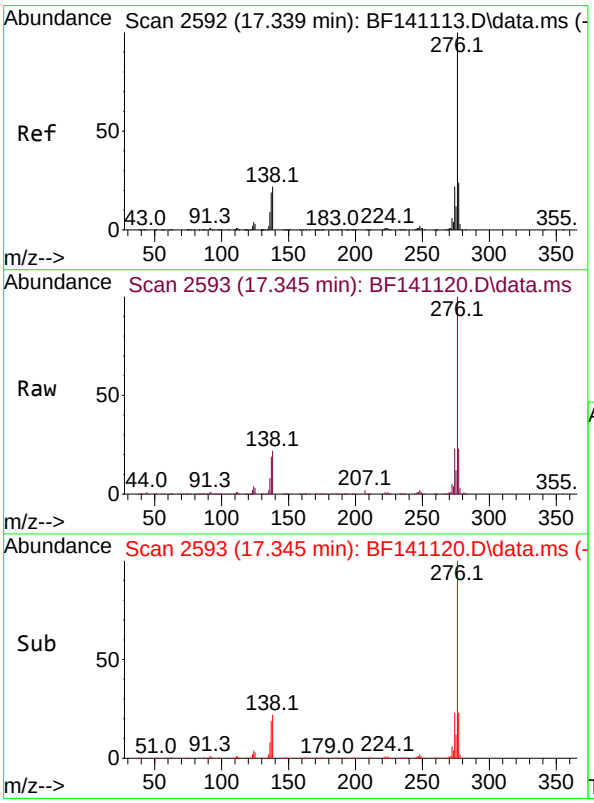
#91
Dibenzo(a,h)anthracene
Concen: 39.936 ng
RT: 16.921 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Instrument :
BNA_F
ClientSampleId :
ICVBF011025

Tgt Ion:278 Resp: 752974

Ion	Ratio	Lower	Upper
278	100		
139	16.2	13.8	20.6
279	23.8	19.1	28.7

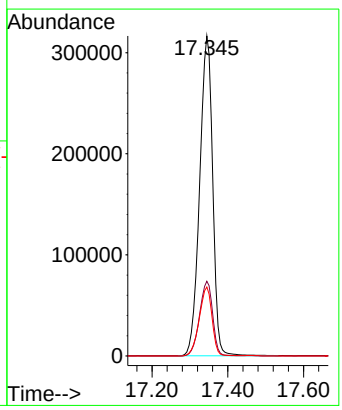




#92
Benzo(g,h,i)perylene
Concen: 38.482 ng
RT: 17.345 min Scan# 2593
Delta R.T. 0.006 min
Lab File: BF141120.D
Acq: 10 Jan 2025 18:12

Tgt Ion:276 Resp: 754682

Ion	Ratio	Lower	Upper
276	100		
277	23.4	19.0	28.4
138	21.6	17.4	26.2



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141120.D
Acq On : 10 Jan 2025 18:12
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF011025

Quant Time: Jan 10 22:57:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	89	0.00
2		1,4-Dioxane	0.577	0.590	-2.3	93	0.00
3		Pyridine	1.414	1.425	-0.8	93	0.00
4		n-Nitrosodimethylamine	0.691	0.715	-3.5	93	0.00
5	S	2-Fluorophenol	1.295	1.297	-0.2	92	0.00
6		Aniline	1.456	1.434	1.5	89	0.00
7	S	Phenol-d6	1.640	1.595	2.7	90	0.00
8		2-Chlorophenol	1.389	1.364	1.8	90	0.00
9		Benzaldehyde	0.966	0.917	5.1	96	0.00
10	C	Phenol	1.756	1.713	2.4	89	0.00
11		bis(2-Chloroethyl)ether	1.308	1.264	3.4	89	0.00
12		1,3-Dichlorobenzene	1.549	1.507	2.7	90	0.00
13	C	1,4-Dichlorobenzene	1.561	1.521	2.6	90	0.00
14		1,2-Dichlorobenzene	1.456	1.404	3.6	90	0.00
15		Benzyl Alcohol	1.184	1.154	2.5	88	0.00
16		2,2'-oxybis(1-Chloropropane	1.826	1.738	4.8	87	0.00
17		2-Methylphenol	1.121	1.080	3.7	88	0.00
18		Hexachloroethane	0.565	0.556	1.6	90	0.00
19	P	n-Nitroso-di-n-propylamine	0.966	0.914	5.4	89	0.00
20		3+4-Methylphenols	1.415	1.383	2.3	89	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	88	0.00
22		Acetophenone	0.475	0.460	3.2	91	0.00
23	S	Nitrobenzene-d5	0.377	0.367	2.7	89	0.00
24		Nitrobenzene	0.393	0.385	2.0	90	0.00
25		Isophorone	0.645	0.623	3.4	89	0.00
26	C	2-Nitrophenol	0.179	0.184	-2.8	91	0.00
27		2,4-Dimethylphenol	0.241	0.238	1.2	89	0.00
28		bis(2-Chloroethoxy)methane	0.405	0.387	4.4	88	0.00
29	C	2,4-Dichlorophenol	0.287	0.284	1.0	90	0.00
30		1,2,4-Trichlorobenzene	0.328	0.320	2.4	90	0.00
31		Naphthalene	1.055	1.008	4.5	89	0.00
32		Benzoic acid	0.231	0.240	-3.9	89	0.00
33		4-Chloroaniline	0.365	0.349	4.4	89	0.00
34	C	Hexachlorobutadiene	0.197	0.194	1.5	91	0.00
35		Caprolactam	0.094	0.090	4.3	88	0.00
36	C	4-Chloro-3-methylphenol	0.313	0.304	2.9	89	0.00
37		2-Methylnaphthalene	0.672	0.651	3.1	90	0.00
38		1-Methylnaphthalene	0.662	0.627	5.3	88	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	87	0.00
40		1,2,4,5-Tetrachlorobenzene	0.574	0.570	0.7	89	0.00
41	P	Hexachlorocyclopentadiene	0.188	0.187	0.5	81	0.00
42	S	2,4,6-Tribromophenol	0.228	0.227	0.4	90	0.00
43	C	2,4,6-Trichlorophenol	0.387	0.392	-1.3	89	0.00
44		2,4,5-Trichlorophenol	0.409	0.410	-0.2	88	0.00
45	S	2-Fluorobiphenyl	1.310	1.282	2.1	91	0.00
46		1,1'-Biphenyl	1.553	1.541	0.8	89	0.00
47		2-Chloronaphthalene	1.210	1.194	1.3	89	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141120.D
Acq On : 10 Jan 2025 18:12
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF011025

Quant Time: Jan 10 22:57:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.359	0.362	-0.8	89	0.00
49		Acenaphthylene	1.728	1.701	1.6	89	0.00
50		Dimethylphthalate	1.343	1.326	1.3	88	0.00
51		2,6-Dinitrotoluene	0.312	0.317	-1.6	88	0.00
52	C	Acenaphthene	1.208	1.196	1.0	89	0.00
53		3-Nitroaniline	0.317	0.320	-0.9	88	0.00
54	P	2,4-Dinitrophenol	0.148	0.157	-6.1	87	0.00
55		Dibenzofuran	1.642	1.600	2.6	87	0.00
56	P	4-Nitrophenol	0.248	0.242	2.4	84	0.00
57		2,4-Dinitrotoluene	0.402	0.410	-2.0	90	0.00
58		Fluorene	1.276	1.237	3.1	89	0.00
59		2,3,4,6-Tetrachlorophenol	0.340	0.336	1.2	88	0.00
60		Diethylphthalate	1.311	1.275	2.7	88	0.00
61		4-Chlorophenyl-phenylether	0.622	0.599	3.7	87	0.00
62		4-Nitroaniline	0.311	0.305	1.9	88	0.00
63		Azobenzene	1.293	1.256	2.9	87	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	88	0.00
65		4,6-Dinitro-2-methylphenol	0.116	0.129	-11.2	88	0.00
66	c	n-Nitrosodiphenylamine	0.645	0.659	-2.2	89	0.00
67		4-Bromophenyl-phenylether	0.230	0.236	-2.6	89	0.00
68		Hexachlorobenzene	0.256	0.261	-2.0	89	0.00
69		Atrazine	0.174	0.135	22.4	84	0.00
70	C	Pentachlorophenol	0.164	0.171	-4.3	86	0.00
71		Phenanthrene	1.074	1.061	1.2	87	0.00
72		Anthracene	1.044	1.039	0.5	87	0.00
73		Carbazole	0.957	0.927	3.1	86	0.00
74		Di-n-butylphthalate	1.096	1.084	1.1	87	0.00
75	C	Fluoranthene	1.071	1.003	6.3	85	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	84	0.00
77		Benzidine	0.371	0.448	-20.8	92	0.00
78		Pyrene	1.910	1.888	1.2	85	0.00
79	S	Terphenyl-d14	1.346	1.328	1.3	87	0.00
80		Butylbenzylphthalate	0.637	0.623	2.2	85	0.00
81		Benzo(a)anthracene	1.361	1.275	6.3	86	0.00
82		3,3'-Dichlorobenzidine	0.433	0.429	0.9	86	0.00
83		Chrysene	1.274	1.212	4.9	84	0.00
84		Bis(2-ethylhexyl)phthalate	0.764	0.748	2.1	86	0.00
85	c	Di-n-octyl phthalate	1.154	1.185	-2.7	86	0.00
86	I	Perylene-d12	1.000	1.000	0.0	89	0.01
87		Indeno(1,2,3-cd)pyrene	1.465	1.448	1.2	88	0.00
88		Benzo(b)fluoranthene	1.290	1.192	7.6	89	0.00
89		Benzo(k)fluoranthene	1.090	1.044	4.2	89	0.00
90	C	Benzo(a)pyrene	1.064	1.036	2.6	89	0.00
91		Dibenzo(a,h)anthracene	1.185	1.183	0.2	88	0.00
92		Benzo(g,h,i)perylene	1.233	1.186	3.8	84	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141120.D
Acq On : 10 Jan 2025 18:12
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF011025

Quant Time: Jan 10 22:57:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141120.D
Acq On : 10 Jan 2025 18:12
Operator : RC/JU
Sample : SSTDICV040
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Instrument :
BNA_F
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ICVBF011025

Quant Time: Jan 10 22:57:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	89	0.00
2		1,4-Dioxane	40.000	40.936	-2.3	93	0.00
3		Pyridine	40.000	40.329	-0.8	93	0.00
4		n-Nitrosodimethylamine	40.000	41.363	-3.4	93	0.00
5	S	2-Fluorophenol	80.000	80.114	-0.1	92	0.00
6		Aniline	40.000	39.400	1.5	89	0.00
7	S	Phenol-d6	80.000	77.801	2.7	90	0.00
8		2-Chlorophenol	40.000	39.284	1.8	90	0.00
9		Benzaldehyde	40.000	37.987	5.0	96	0.00
10	C	Phenol	40.000	39.039	2.4	89	0.00
11		bis(2-Chloroethyl)ether	40.000	38.657	3.4	89	0.00
12		1,3-Dichlorobenzene	40.000	38.919	2.7	90	0.00
13	C	1,4-Dichlorobenzene	40.000	38.965	2.6	90	0.00
14		1,2-Dichlorobenzene	40.000	38.555	3.6	90	0.00
15		Benzyl Alcohol	40.000	38.962	2.6	88	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	38.086	4.8	87	0.00
17		2-Methylphenol	40.000	38.531	3.7	88	0.00
18		Hexachloroethane	40.000	39.427	1.4	90	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	37.834	5.4	89	0.00
20		3+4-Methylphenols	40.000	39.098	2.3	89	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	88	0.00
22		Acetophenone	40.000	38.700	3.2	91	0.00
23	S	Nitrobenzene-d5	80.000	77.918	2.6	89	0.00
24		Nitrobenzene	40.000	39.180	2.1	90	0.00
25		Isophorone	40.000	38.631	3.4	89	0.00
26	C	2-Nitrophenol	40.000	41.163	-2.9	91	0.00
27		2,4-Dimethylphenol	40.000	39.432	1.4	89	0.00
28		bis(2-Chloroethoxy)methane	40.000	38.235	4.4	88	0.00
29	C	2,4-Dichlorophenol	40.000	39.652	0.9	90	0.00
30		1,2,4-Trichlorobenzene	40.000	39.055	2.4	90	0.00
31		Naphthalene	40.000	38.230	4.4	89	0.00
32		Benzoic acid	40.000	41.415	-3.5	89	0.00
33		4-Chloroaniline	40.000	38.252	4.4	89	0.00
34	C	Hexachlorobutadiene	40.000	39.380	1.5	91	0.00
35		Caprolactam	40.000	38.578	3.6	88	0.00
36	C	4-Chloro-3-methylphenol	40.000	38.752	3.1	89	0.00
37		2-Methylnaphthalene	40.000	38.737	3.2	90	0.00
38		1-Methylnaphthalene	40.000	37.862	5.3	88	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	87	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	39.725	0.7	89	0.00
41	P	Hexachlorocyclopentadiene	40.000	39.744	0.6	81	0.00
42	S	2,4,6-Tribromophenol	80.000	79.554	0.6	90	0.00
43	C	2,4,6-Trichlorophenol	40.000	40.474	-1.2	89	0.00
44		2,4,5-Trichlorophenol	40.000	40.064	-0.2	88	0.00
45	S	2-Fluorobiphenyl	80.000	78.281	2.1	91	0.00
46		1,1'-Biphenyl	40.000	39.682	0.8	89	0.00
47		2-Chloronaphthalene	40.000	39.481	1.3	89	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141120.D
Acq On : 10 Jan 2025 18:12
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
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ICVBF011025

Quant Time: Jan 10 22:57:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	40.330	-0.8	89	0.00
49		Acenaphthylene	40.000	39.356	1.6	89	0.00
50		Dimethylphthalate	40.000	39.515	1.2	88	0.00
51		2,6-Dinitrotoluene	40.000	40.554	-1.4	88	0.00
52	C	Acenaphthene	40.000	39.611	1.0	89	0.00
53		3-Nitroaniline	40.000	40.360	-0.9	88	0.00
54	P	2,4-Dinitrophenol	40.000	42.266	-5.7	87	0.00
55		Dibenzofuran	40.000	38.957	2.6	87	0.00
56	P	4-Nitrophenol	40.000	38.970	2.6	84	0.00
57		2,4-Dinitrotoluene	40.000	40.773	-1.9	90	0.00
58		Fluorene	40.000	38.770	3.1	89	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	39.593	1.0	88	0.00
60		Diethylphthalate	40.000	38.912	2.7	88	0.00
61		4-Chlorophenyl-phenylether	40.000	38.542	3.6	87	0.00
62		4-Nitroaniline	40.000	39.273	1.8	88	0.00
63		Azobenzene	40.000	38.845	2.9	87	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	88	0.00
65		4,6-Dinitro-2-methylphenol	40.000	44.592	-11.5	88	0.00
66	c	n-Nitrosodiphenylamine	40.000	40.845	-2.1	89	0.00
67		4-Bromophenyl-phenylether	40.000	41.081	-2.7	89	0.00
68		Hexachlorobenzene	40.000	40.794	-2.0	89	0.00
69		Atrazine	40.000	31.165	22.1	84	0.00
70	C	Pentachlorophenol	40.000	41.549	-3.9	86	0.00
71		Phenanthrene	40.000	39.514	1.2	87	0.00
72		Anthracene	40.000	39.789	0.5	87	0.00
73		Carbazole	40.000	38.715	3.2	86	0.00
74		Di-n-butylphthalate	40.000	39.593	1.0	87	0.00
75	C	Fluoranthene	40.000	37.440	6.4	85	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	84	0.00
77		Benzidine	40.000	48.333	-20.8	92	0.00
78		Pyrene	40.000	39.536	1.2	85	0.00
79	S	Terphenyl-d14	80.000	78.951	1.3	87	0.00
80		Butylbenzylphthalate	40.000	39.136	2.2	85	0.00
81		Benzo(a)anthracene	40.000	37.462	6.3	86	0.00
82		3,3'-Dichlorobenzidine	40.000	39.619	1.0	86	0.00
83		Chrysene	40.000	38.062	4.8	84	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	39.130	2.2	86	0.00
85	c	Di-n-octyl phthalate	40.000	41.072	-2.7	86	0.00
86	I	Perylene-d12	20.000	20.000	0.0	89	0.01
87		Indeno(1,2,3-cd)pyrene	40.000	39.527	1.2	88	0.00
88		Benzo(b)fluoranthene	40.000	36.956	7.6	89	0.00
89		Benzo(k)fluoranthene	40.000	38.307	4.2	89	0.00
90	C	Benzo(a)pyrene	40.000	38.965	2.6	89	0.00
91		Dibenzo(a,h)anthracene	40.000	39.936	0.2	88	0.00
92		Benzo(g,h,i)perylene	40.000	38.482	3.8	84	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141120.D
Acq On : 10 Jan 2025 18:12
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_F
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Quant Time: Jan 10 22:57:46 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Raw Data: **BF141212.D**

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1122 SAS No.: Q1122 SDG No.: Q1122

Instrument ID: BNA_F Calibration Date/Time: 01/20/2025 10:37

Lab File ID: BF141212.D Init. Calib. Date(s): 01/10/2025 01/10/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:58 17:45

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.295	1.234		-4.7	
Benzaldehyde	0.966	1.104		14.3	
Phenol-d6	1.640	1.572		-4.1	
Phenol	1.756	1.659		-5.5	20.0
bis(2-Chloroethyl)ether	1.308	1.256		-4.0	
2-Chlorophenol	1.389	1.356		-2.4	
2-Methylphenol	1.121	1.090		-2.8	
2,2-oxybis(1-Chloropropane)	1.826	1.644		-10.0	
Acetophenone	0.475	0.460		-3.2	
3+4-Methylphenols	1.415	1.363		-3.7	
n-Nitroso-di-n-propylamine	0.966	0.910	0.050	-5.8	
Nitrobenzene-d5	0.377	0.372		-1.3	
Hexachloroethane	0.565	0.552		-2.3	
Nitrobenzene	0.393	0.384		-2.3	
Isophorone	0.645	0.635		-1.5	
2-Nitrophenol	0.179	0.188		5.0	20.0
2,4-Dimethylphenol	0.241	0.238		-1.2	
bis(2-Chloroethoxy)methane	0.405	0.395		-2.5	
2,4-Dichlorophenol	0.287	0.291		1.4	20.0
Naphthalene	1.055	1.037		-1.7	
4-Chloroaniline	0.365	0.318		-12.9	
Hexachlorobutadiene	0.197	0.198		0.5	20.0
Caprolactam	0.094	0.094		0.0	
4-Chloro-3-methylphenol	0.313	0.319		1.9	20.0
2-Methylnaphthalene	0.672	0.666		-0.9	
Hexachlorocyclopentadiene	0.188	0.196	0.050	4.3	
2,4,6-Trichlorophenol	0.387	0.400		3.4	20.0
2-Fluorobiphenyl	1.310	1.265		-3.4	
2,4,5-Trichlorophenol	0.409	0.408		-0.2	
1,1-Biphenyl	1.553	1.513		-2.6	
2-Chloronaphthalene	1.210	1.184		-2.1	
2-Nitroaniline	0.359	0.356		-0.8	
Dimethylphthalate	1.343	1.332		-0.8	
Acenaphthylene	1.728	1.693		-2.0	
2,6-Dinitrotoluene	0.312	0.314		0.6	
3-Nitroaniline	0.317	0.321		1.3	
Acenaphthene	1.208	1.205		-0.2	20.0
2,4-Dinitrophenol	0.148	0.172	0.050	16.2	
4-Nitrophenol	0.248	0.262	0.050	5.6	

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1122 SAS No.: Q1122 SDG No.: Q1122

Instrument ID: BNA_F Calibration Date/Time: 01/20/2025 10:37

Lab File ID: BF141212.D Init. Calib. Date(s): 01/10/2025 01/10/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 11:58 17:45

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.642	1.608		-2.1	
2,4-Dinitrotoluene	0.402	0.422		5.0	
Diethylphthalate	1.311	1.307		-0.3	
4-Chlorophenyl-phenylether	0.622	0.621		-0.2	
Fluorene	1.276	1.259		-1.3	
4-Nitroaniline	0.311	0.329		5.8	
4,6-Dinitro-2-methylphenol	0.116	0.140		20.7	
n-Nitrosodiphenylamine	0.645	0.637		-1.2	20.0
2,4,6-Tribromophenol	0.228	0.244		7.0	
4-Bromophenyl-phenylether	0.230	0.236		2.6	
Hexachlorobenzene	0.256	0.269		5.1	
Atrazine	0.174	0.199		14.4	
Pentachlorophenol	0.164	0.177		7.9	20.0
Phenanthrene	1.074	1.075		0.1	
Anthracene	1.044	1.064		1.9	
Carbazole	0.957	0.988		3.2	
Di-n-butylphthalate	1.096	1.156		5.5	
Fluoranthene	1.071	1.155		7.8	20.0
Pyrene	1.910	1.736		-9.1	
Terphenyl-d14	1.346	1.246		-7.4	
Butylbenzylphthalate	0.637	0.661		3.8	
3,3-Dichlorobenzidine	0.433	0.378		-12.7	
Benzo(a)anthracene	1.361	1.303		-4.3	
Chrysene	1.274	1.166		-8.5	
Bis(2-ethylhexyl)phthalate	0.764	0.793		3.8	
Di-n-octyl phthalate	1.154	1.147		-0.6	20.0
Benzo(b)fluoranthene	1.290	1.336		3.6	
Benzo(k)fluoranthene	1.090	1.084		-0.6	
Benzo(a)pyrene	1.064	1.069		0.5	20.0
Indeno(1,2,3-cd)pyrene	1.465	1.369		-6.6	
Dibenzo(a,h)anthracene	1.185	1.117		-5.7	
Benzo(g,h,i)perylene	1.233	1.134		-8.0	
1,2,4,5-Tetrachlorobenzene	0.574	0.569		-0.9	
1,4-Dioxane	0.577	0.544		-5.7	20.0
2,3,4,6-Tetrachlorophenol	0.340	0.349		2.6	

All other compounds must meet a minimum RRF of 0.010.

Sample Results: **BF141212.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141212.D
Acq On : 20 Jan 2025 10:37
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 20 11:30:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.810	152	179826	20.000	ng		-0.01
21) Naphthalene-d8	8.092	136	695851	20.000	ng		-0.01
39) Acenaphthene-d10	9.851	164	379338	20.000	ng		-0.01
64) Phenanthrene-d10	11.333	188	651777	20.000	ng		-0.01
76) Chrysene-d12	13.974	240	435133	20.000	ng		-0.01
86) Perylene-d12	15.439	264	378255	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.416	112	887765	76.264	ng		-0.01
7) Phenol-d6	6.445	99	1130564	76.672	ng		0.00
23) Nitrobenzene-d5	7.375	82	1035446	78.878	ng		-0.01
42) 2,4,6-Tribromophenol	10.639	330	369885	85.576	ng		-0.01
45) 2-Fluorobiphenyl	9.169	172	1919585	77.274	ng		-0.01
79) Terphenyl-d14	12.922	244	2168767	74.080	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.516	88	195619	37.737	ng		98
3) Pyridine	3.257	79	459371	36.137	ng		96
4) n-Nitrosodimethylamine	3.210	42	233464	37.561	ng		97
6) Aniline	6.475	93	431972	32.996	ng		95
8) 2-Chlorophenol	6.598	128	487756	39.055	ng		98
9) Benzaldehyde	6.363	77	397188	45.735	ng		97
10) Phenol	6.457	94	596553	37.794	ng		94
11) bis(2-Chloroethyl)ether	6.551	93	451773	38.405	ng		97
12) 1,3-Dichlorobenzene	6.751	146	551187	39.571	ng		98
13) 1,4-Dichlorobenzene	6.828	146	547534	39.008	ng		100
14) 1,2-Dichlorobenzene	6.981	146	512367	39.132	ng		99
15) Benzyl Alcohol	6.951	79	419104	39.357	ng		100
16) 2,2'-oxybis(1-Chloropr...	7.087	45	591272	36.020	ng		95
17) 2-Methylphenol	7.063	107	391980	38.876	ng		99
18) Hexachloroethane	7.322	117	198518	39.109	ng		98
19) n-Nitroso-di-n-propyla...	7.228	70	327309	37.682	ng		98
20) 3+4-Methylphenols	7.222	107	490374	38.549	ng	#	80
22) Acetophenone	7.222	105	640268	38.705	ng		95
24) Nitrobenzene	7.398	77	534584	39.074	ng		98
25) Isophorone	7.634	82	883042	39.362	ng		99
26) 2-Nitrophenol	7.710	139	261219	41.973	ng		98
27) 2,4-Dimethylphenol	7.745	122	331024	39.434	ng		99
28) bis(2-Chloroethoxy)met...	7.845	93	549992	39.065	ng		100
29) 2,4-Dichlorophenol	7.951	162	405510	40.674	ng		99
30) 1,2,4-Trichlorobenzene	8.034	180	454226	39.859	ng		100
31) Naphthalene	8.116	128	1443445	39.335	ng		100
32) Benzoic acid	7.863	122	349410	43.391	ng		98
33) 4-Chloroaniline	8.169	127	442472	34.865	ng		99
34) Hexachlorobutadiene	8.234	225	275485	40.119	ng		99
35) Caprolactam	8.534	113	130913m	40.107	ng		
36) 4-Chloro-3-methylphenol	8.645	107	443278	40.655	ng		100
37) 2-Methylnaphthalene	8.804	142	926865	39.636	ng		100
38) 1-Methylnaphthalene	8.904	142	910731	39.518	ng		99
40) 1,2,4,5-Tetrachloroben...	8.969	216	431864	39.665	ng		100
41) Hexachlorocyclopentadiene	8.957	237	148460	41.678	ng		99
43) 2,4,6-Trichlorophenol	9.081	196	303577	41.342	ng		100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141212.D
Acq On : 20 Jan 2025 10:37
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 20 11:30:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.122	196	309532	39.913	ng	98
46) 1,1'-Biphenyl	9.269	154	1147801	38.962	ng	99
47) 2-Chloronaphthalene	9.292	162	898296	39.150	ng	100
48) 2-Nitroaniline	9.386	65	269989	39.694	ng	98
49) Acenaphthylene	9.710	152	1284397	39.180	ng	100
50) Dimethylphthalate	9.575	163	1010444	39.677	ng	100
51) 2,6-Dinitrotoluene	9.633	165	238558	40.283	ng	98
52) Acenaphthene	9.881	154	914414	39.925	ng	99
53) 3-Nitroaniline	9.798	138	243673	40.490	ng	97
54) 2,4-Dinitrophenol	9.904	184	130404	46.326	ng	93
55) Dibenzofuran	10.051	168	1219686	39.152	ng	99
56) 4-Nitrophenol	9.957	139	198979	42.217	ng	99
57) 2,4-Dinitrotoluene	10.033	165	320306	41.969	ng	98
58) Fluorene	10.398	166	955100	39.463	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.169	232	264691	41.061	ng	99
60) Diethylphthalate	10.269	149	991777	39.892	ng	100
61) 4-Chlorophenyl-phenyle...	10.392	204	470770	39.909	ng	100
62) 4-Nitroaniline	10.416	138	249961	42.436	ng	99
63) Azobenzene	10.551	77	946738	38.592	ng	98
65) 4,6-Dinitro-2-methylph...	10.445	198	182578	48.341	ng	94
66) n-Nitrosodiphenylamine	10.510	169	830832	39.521	ng	99
67) 4-Bromophenyl-phenylether	10.880	248	307567	40.988	ng	98
68) Hexachlorobenzene	10.945	284	350408	41.949	ng	97
69) Atrazine	11.033	200	259196	45.790	ng	99
70) Pentachlorophenol	11.139	266	230220	43.036	ng	99
71) Phenanthrene	11.357	178	1401546	40.054	ng	99
72) Anthracene	11.410	178	1386401	40.747	ng	100
73) Carbazole	11.563	167	1288279	41.294	ng	100
74) Di-n-butylphthalate	11.898	149	1507420	42.220	ng	100
75) Fluoranthene	12.545	202	1506192	43.134	ng	99
77) Benzidine	12.669	184	226849	28.113	ng	100
78) Pyrene	12.774	202	1510983	36.356	ng	99
80) Butylbenzylphthalate	13.398	149	575326	41.520	ng	98
81) Benzo(a)anthracene	13.963	228	1133698	38.283	ng	99
82) 3,3'-Dichlorobenzidine	13.927	252	328537	34.842	ng	99
83) Chrysene	14.004	228	1014991	36.630	ng	100
84) Bis(2-ethylhexyl)phtha...	13.957	149	690140	41.510	ng	100
85) Di-n-octyl phthalate	14.586	149	998346	39.765	ng	98
87) Indeno(1,2,3-cd)pyrene	16.886	276	1035784	37.377	ng	98
88) Benzo(b)fluoranthene	15.015	252	1010647	41.435	ng	99
89) Benzo(k)fluoranthene	15.045	252	820048	39.784	ng	100
90) Benzo(a)pyrene	15.380	252	809044	40.203	ng	99
91) Dibenzo(a,h)anthracene	16.909	278	844969	37.699	ng	98
92) Benzo(g,h,i)perylene	17.327	276	857662	36.788	ng	99

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

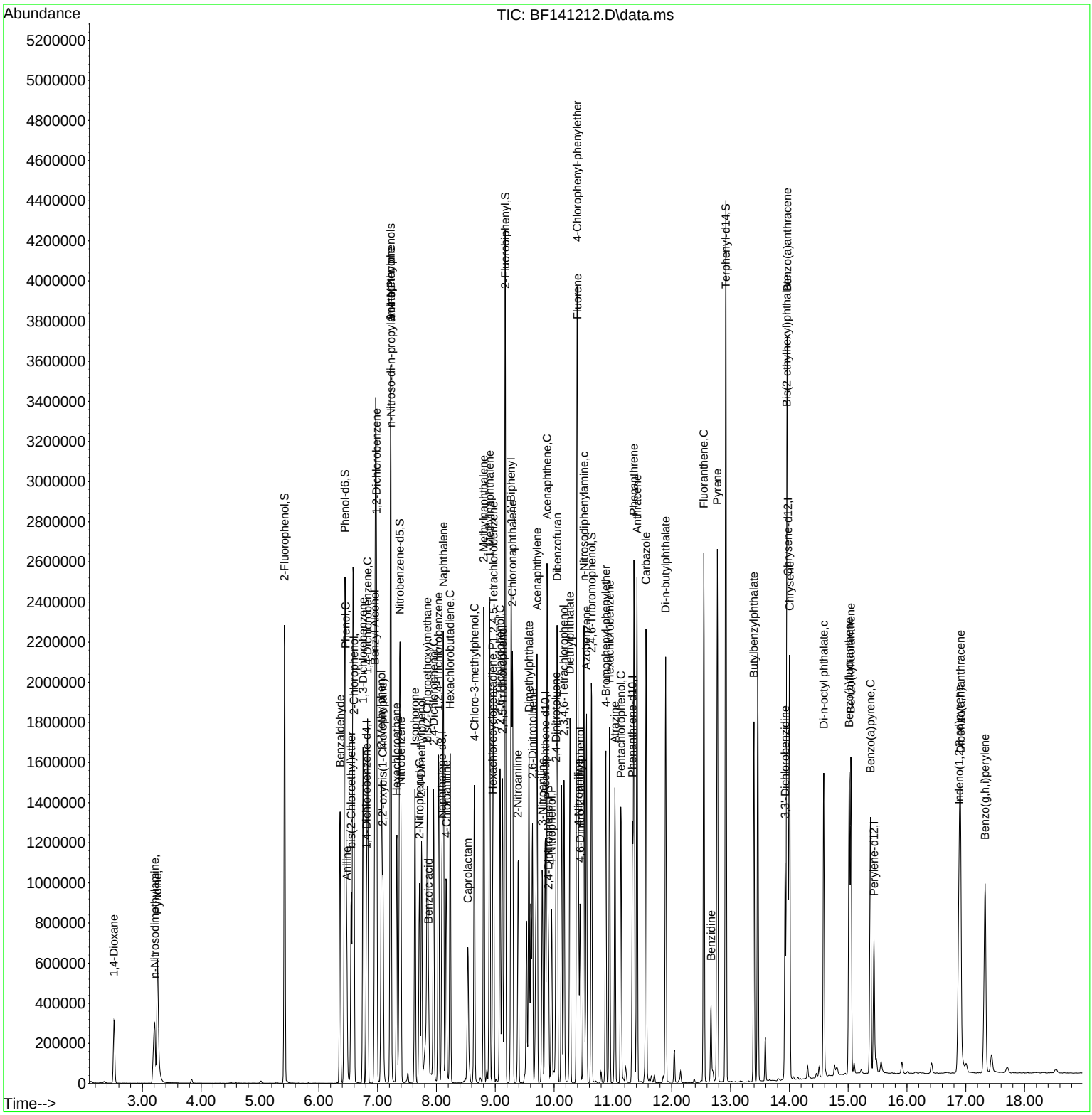
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Data File : BF141212.D
Acq On : 20 Jan 2025 10:37
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

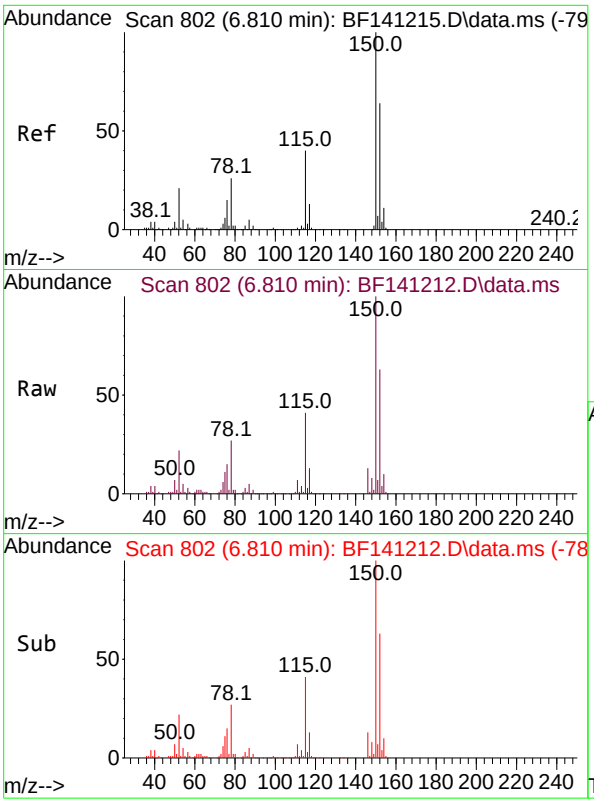
Quant Time: Jan 20 11:30:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

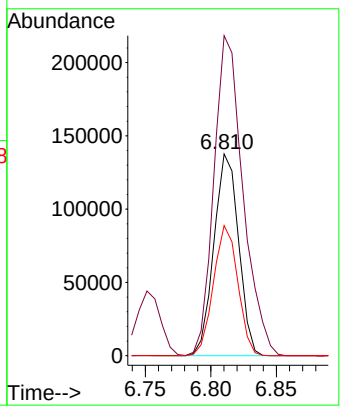




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 8(
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:152 Resp: 17982(

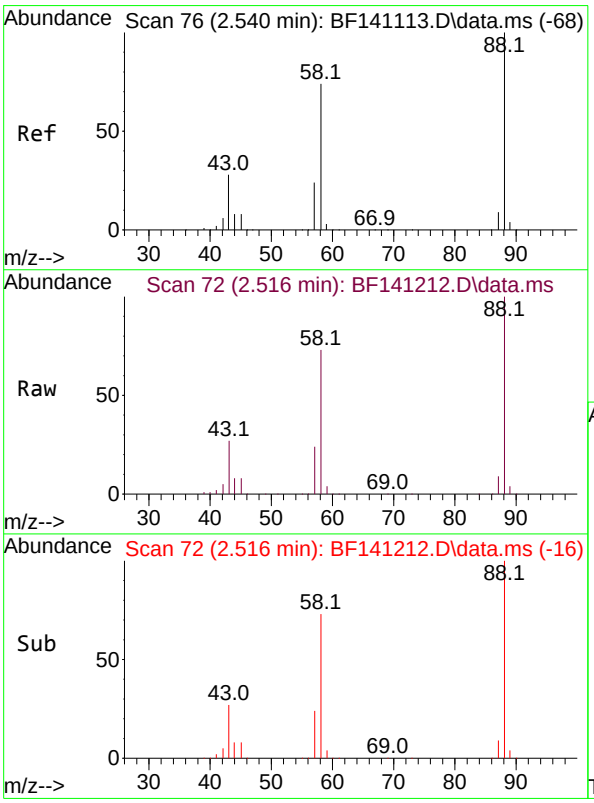
Ion	Ratio	Lower	Upper
152	100		
150	158.6	125.8	188.8
115	64.4	51.4	77.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

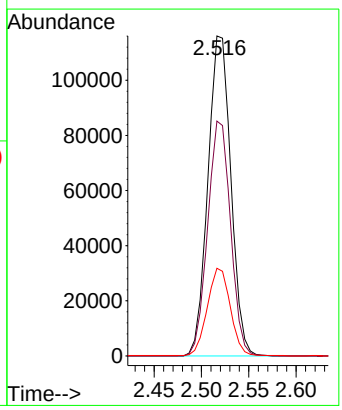
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

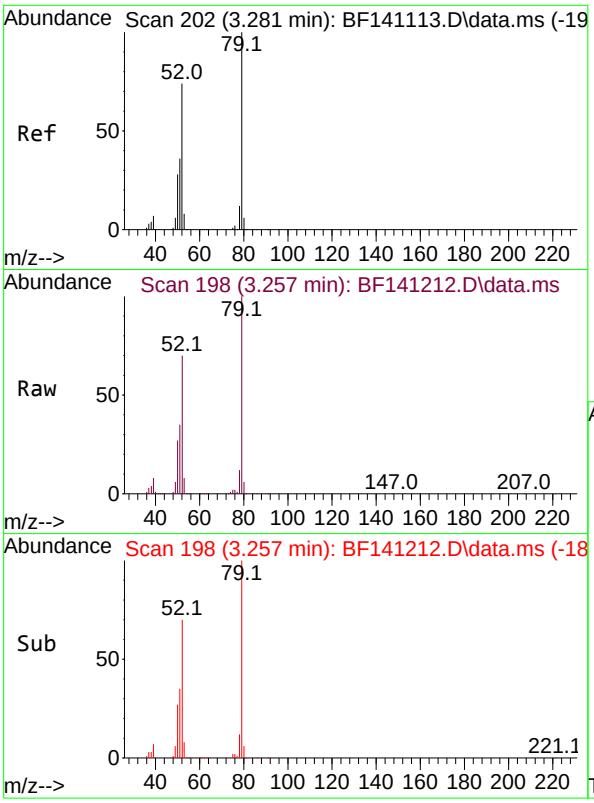


#2
1,4-Dioxane
Concen: 37.737 ng
RT: 2.516 min Scan# 72
Delta R.T. -0.024 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion: 88 Resp: 195619

Ion	Ratio	Lower	Upper
88	100		
58	73.0	60.1	90.1
43	27.8	23.1	34.7

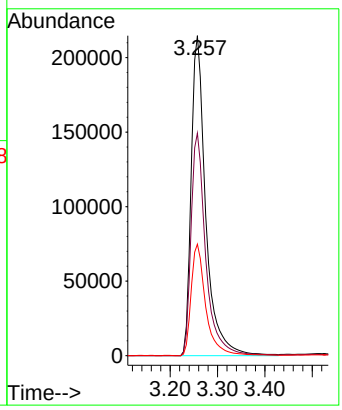




#3
Pyridine
Concen: 36.137 ng
RT: 3.257 min Scan# 1
Delta R.T. -0.024 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion: 79 Resp: 45937

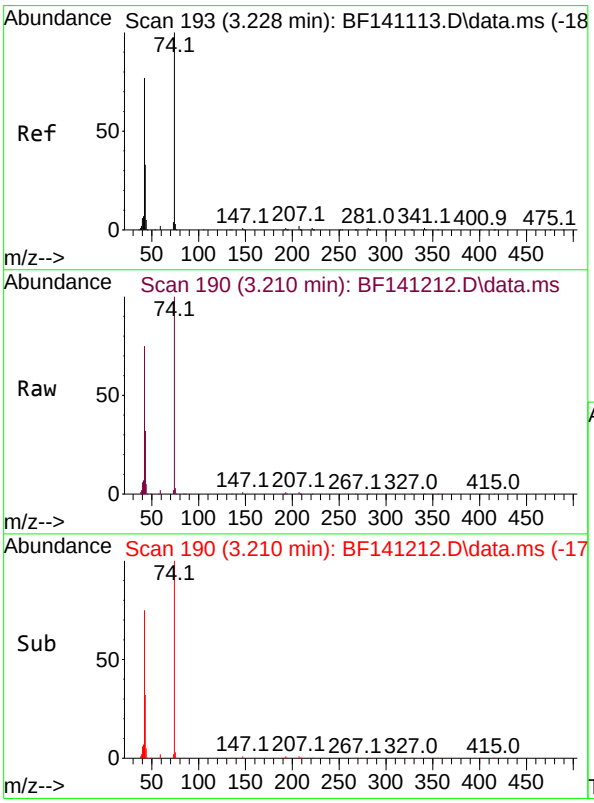
Ion	Ratio	Lower	Upper
79	100		
52	69.5	58.9	88.3
51	34.8	29.1	43.7



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

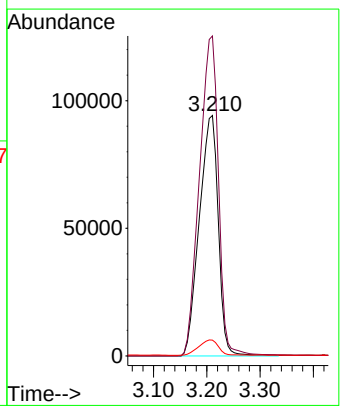
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

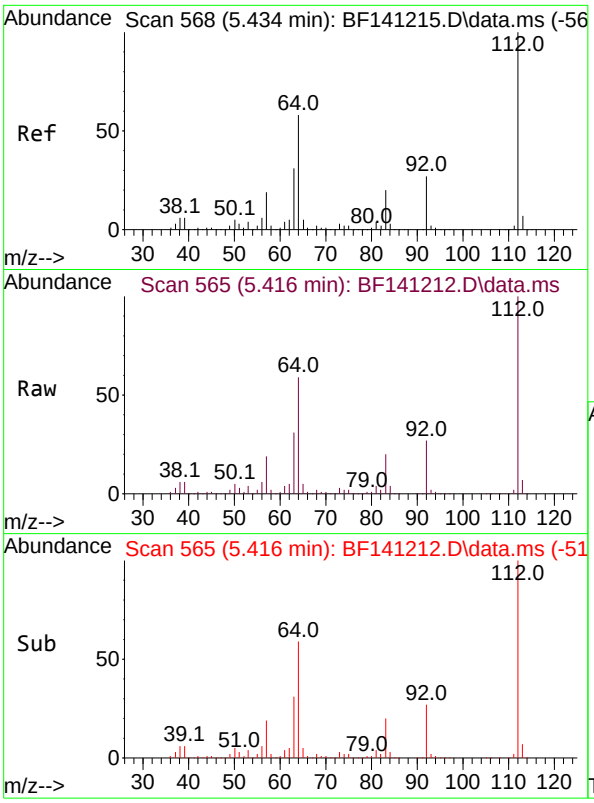


#4
n-Nitrosodimethylamine
Concen: 37.561 ng
RT: 3.210 min Scan# 190
Delta R.T. -0.018 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion: 42 Resp: 233464

Ion	Ratio	Lower	Upper
42	100		
74	133.1	103.8	155.6
44	6.6	5.3	7.9

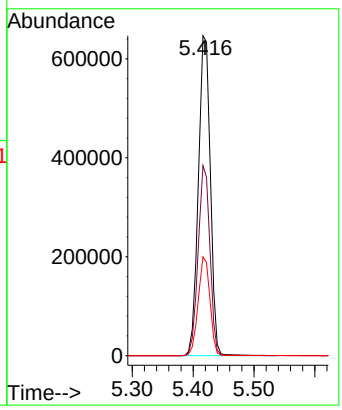




#5
2-Fluorophenol
Concen: 76.264 ng
RT: 5.416 min Scan# 5
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:112 Resp: 88776

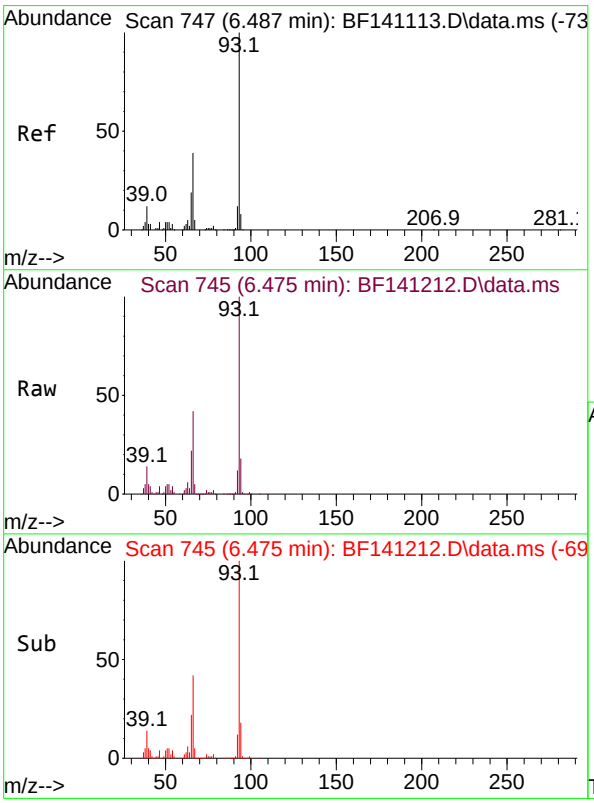
Ion	Ratio	Lower	Upper
112	100		
64	59.4	47.3	70.9
63	30.9	24.2	36.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

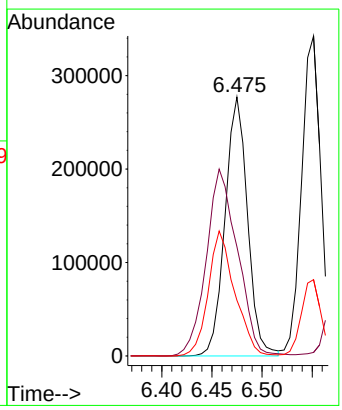
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

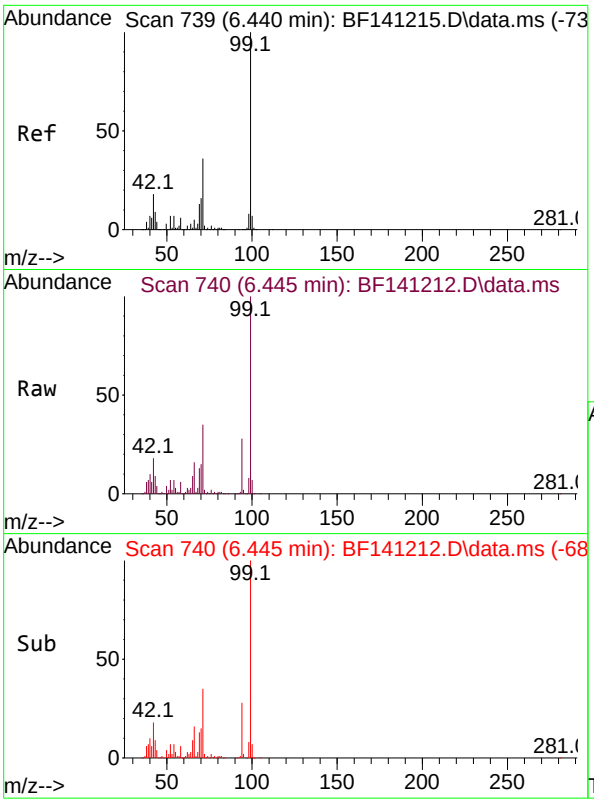


#6
Aniline
Concen: 32.996 ng
RT: 6.475 min Scan# 745
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion: 93 Resp: 431972

Ion	Ratio	Lower	Upper
93	100		
66	42.2	31.5	47.3
65	21.5	15.3	22.9

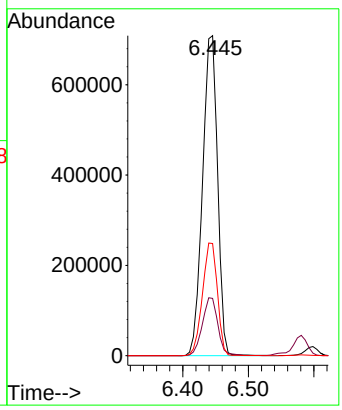




#7
Phenol-d6
Concen: 76.672 ng
RT: 6.445 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion: 99 Resp: 113056

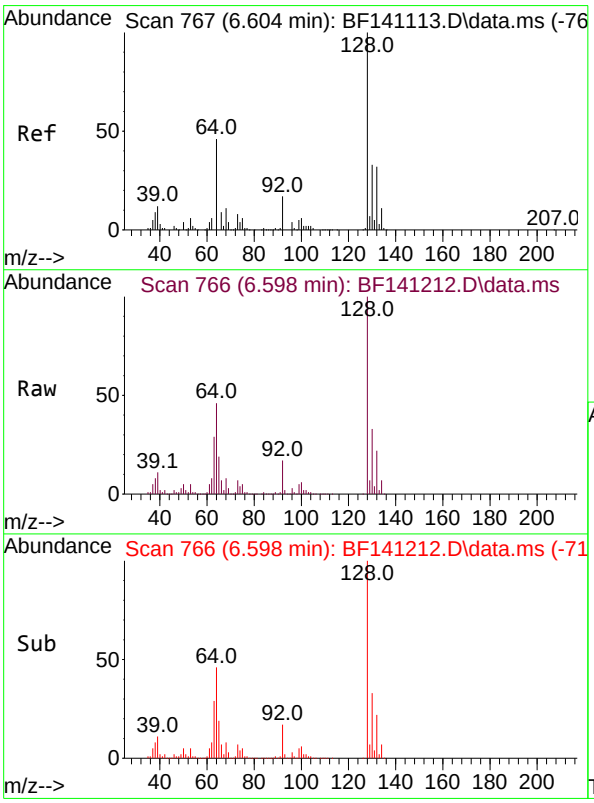
Ion	Ratio	Lower	Upper
99	100		
42	17.9	15.0	22.4
71	35.0	27.6	41.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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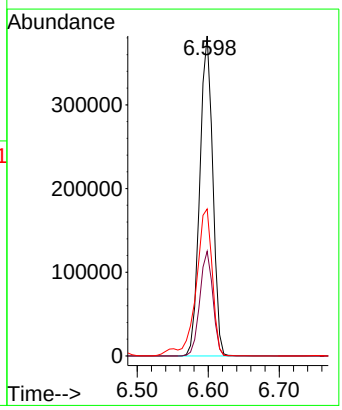
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

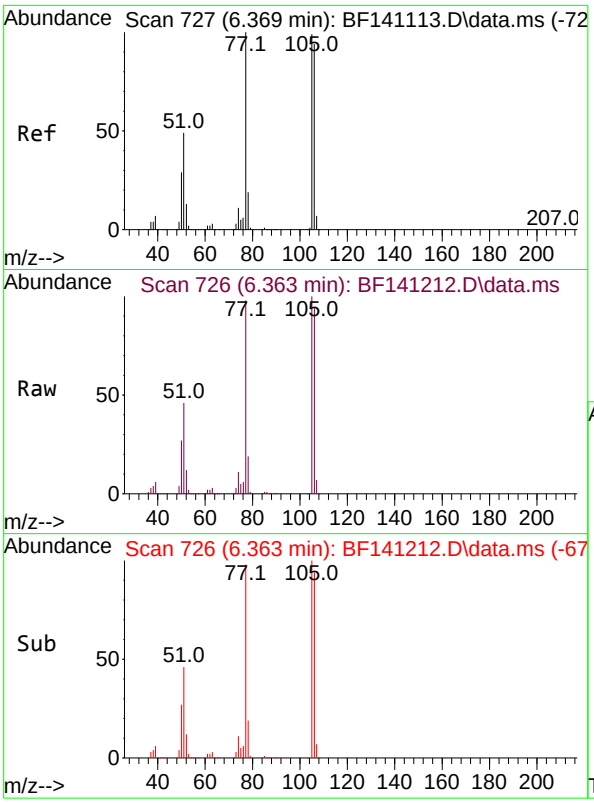


#8
2-Chlorophenol
Concen: 39.055 ng
RT: 6.598 min Scan# 766
Delta R.T. -0.006 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:128 Resp: 487756

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.5	52.5
64	46.0	28.3	68.3

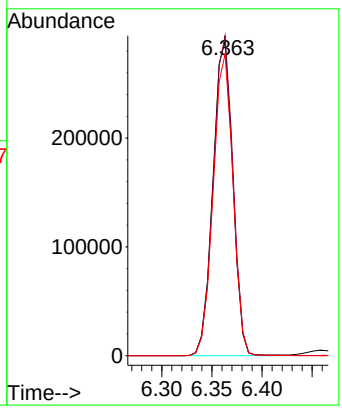




#9
Benzaldehyde
Concen: 45.735 ng
RT: 6.363 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion: 77 Resp: 39718

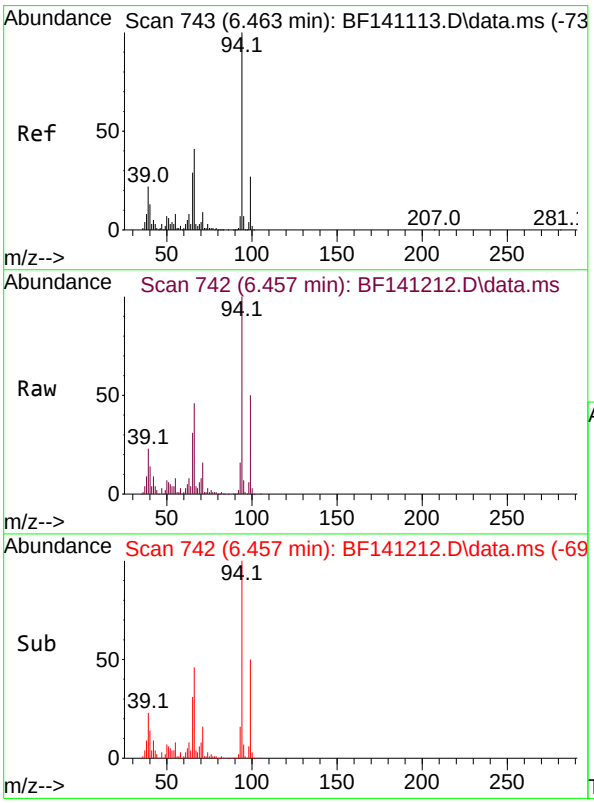
Ion	Ratio	Lower	Upper
77	100		
105	101.8	78.9	118.9
106	96.0	73.6	113.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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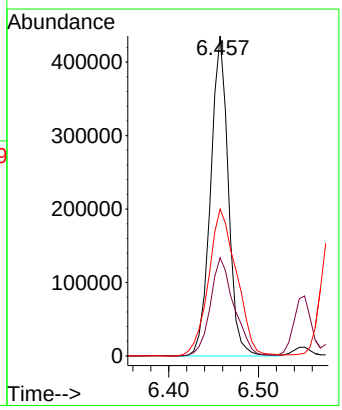
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

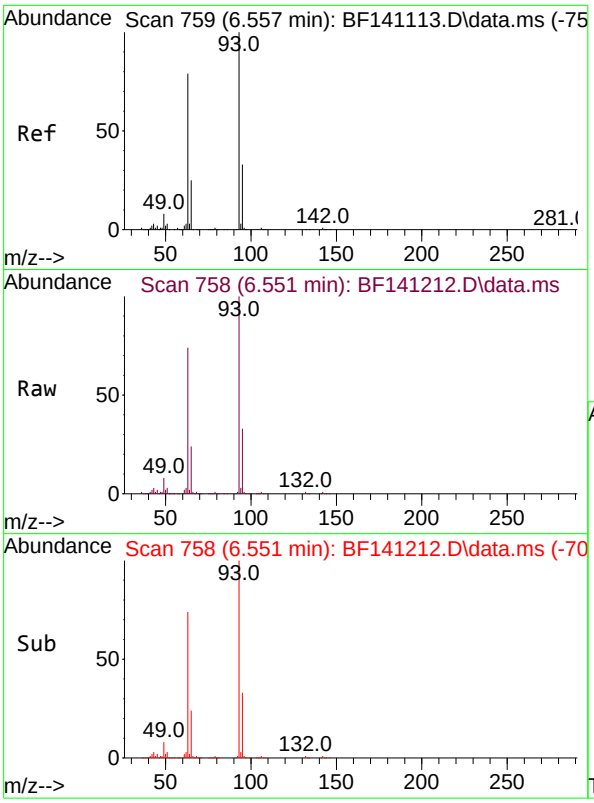


#10
Phenol
Concen: 37.794 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion: 94 Resp: 596553

Ion	Ratio	Lower	Upper
94	100		
65	30.7	8.9	48.9
66	45.9	21.2	61.2

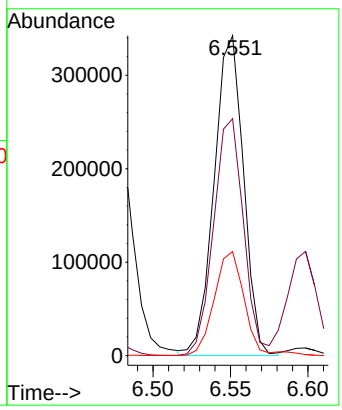




#11
bis(2-Chloroethyl)ether
Concen: 38.405 ng
RT: 6.551 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion: 93 Resp: 45177

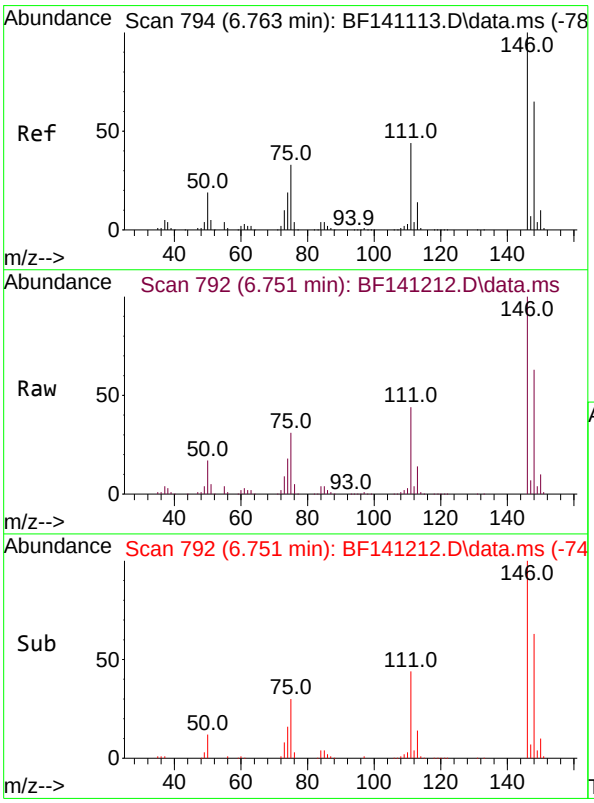
Ion	Ratio	Lower	Upper
93	100		
63	74.0	58.0	98.0
95	32.6	12.5	52.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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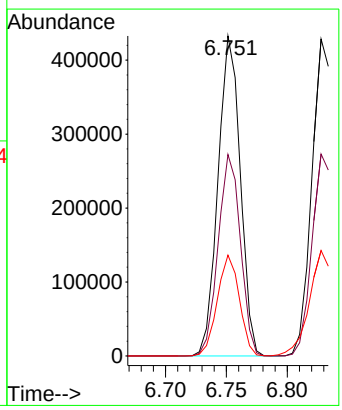
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

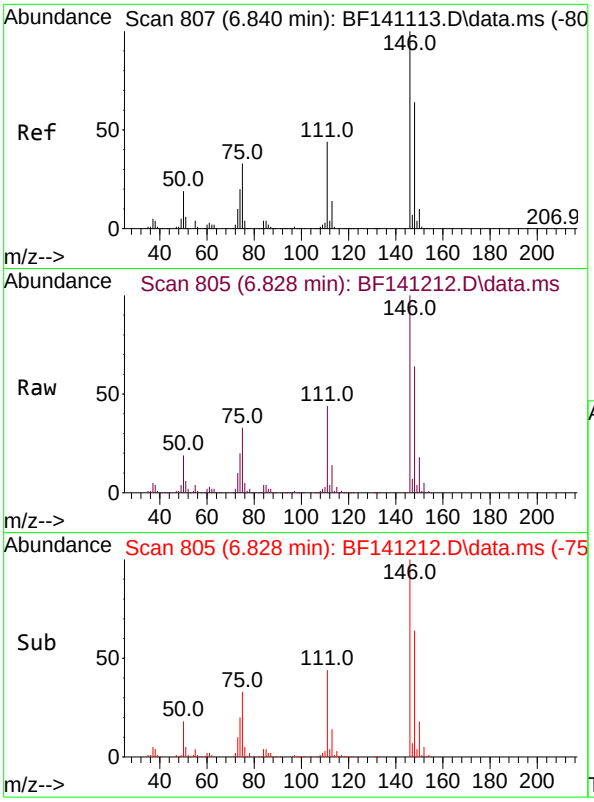


#12
1,3-Dichlorobenzene
Concen: 39.571 ng
RT: 6.751 min Scan# 792
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:146 Resp: 551187

Ion	Ratio	Lower	Upper
146	100		
148	63.0	51.6	77.4
75	31.5	26.2	39.2

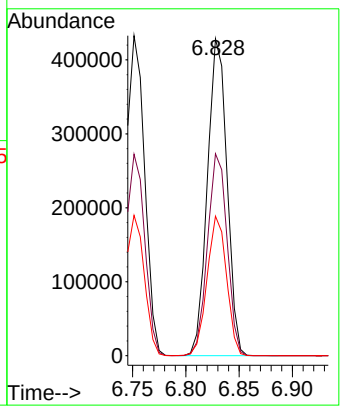




#13
1,4-Dichlorobenzene
Concen: 39.008 ng
RT: 6.828 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:146 Resp: 54753

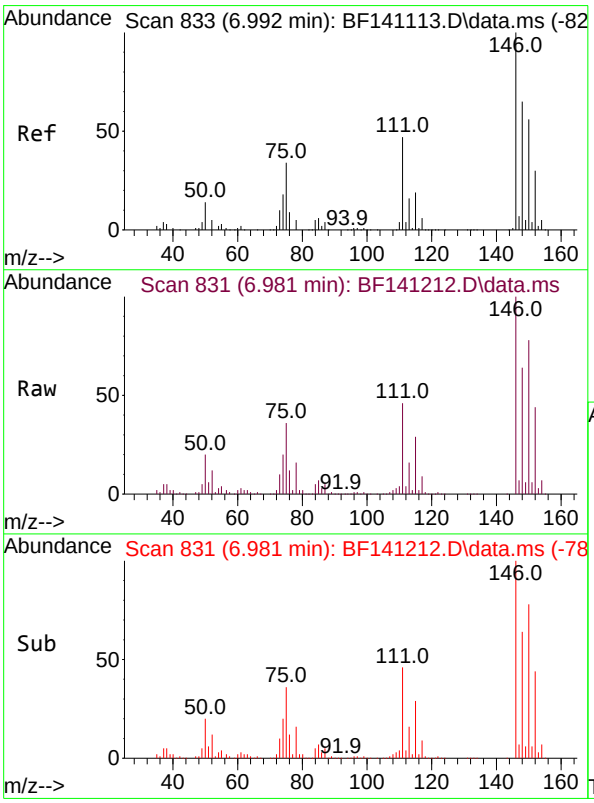
Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.0	76.6
111	44.0	34.9	52.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

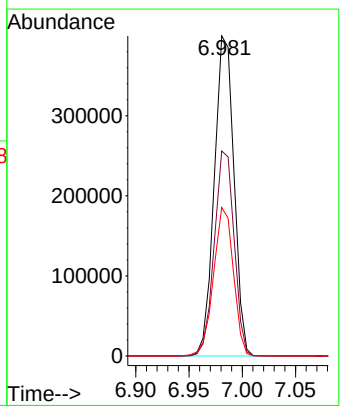
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

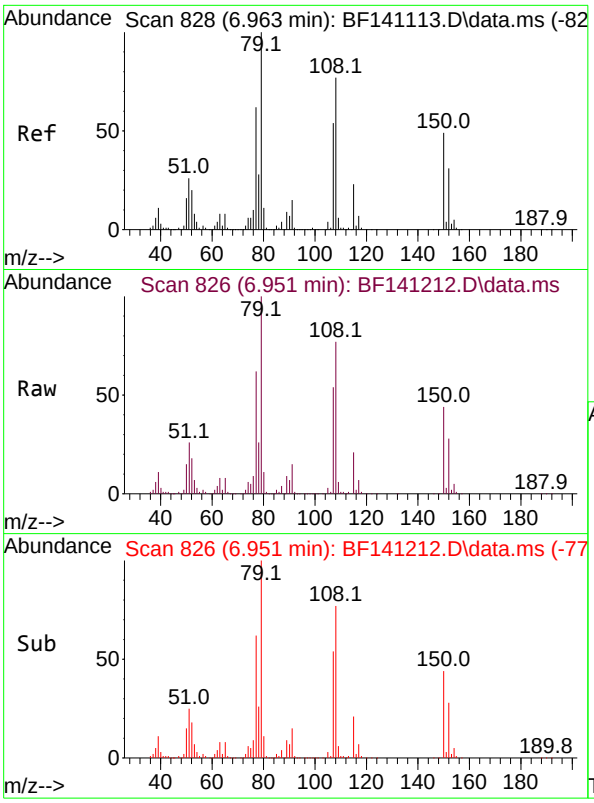


#14
1,2-Dichlorobenzene
Concen: 39.132 ng
RT: 6.981 min Scan# 831
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:146 Resp: 512367

Ion	Ratio	Lower	Upper
146	100		
148	64.1	52.2	78.4
111	46.4	37.5	56.3





#15
Benzyl Alcohol
Concen: 39.357 ng
RT: 6.951 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

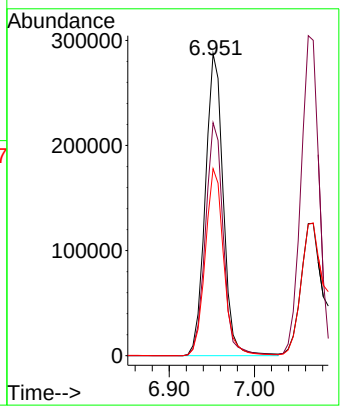
Tgt Ion: 79 Resp: 41910

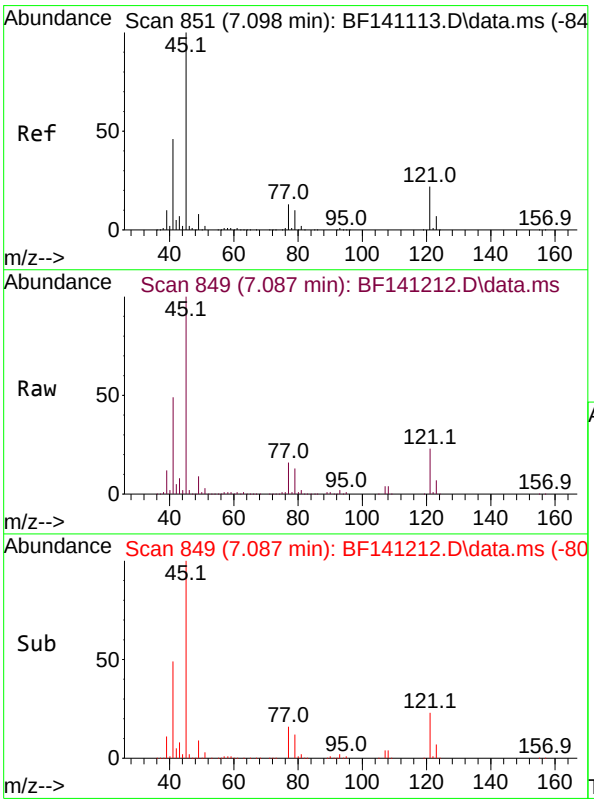
Ion	Ratio	Lower	Upper
79	100		
108	77.1	61.4	92.0
77	61.9	49.8	74.6

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

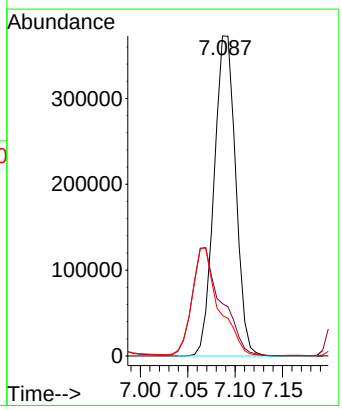


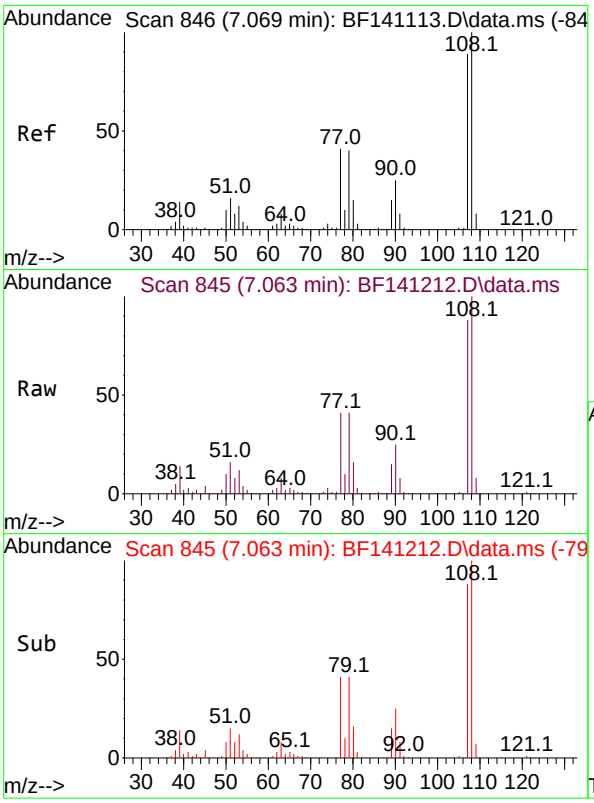


#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.020 ng
RT: 7.087 min Scan# 849
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion: 45 Resp: 591272

Ion	Ratio	Lower	Upper
45	100		
77	16.4	0.0	34.1
79	12.6	0.0	31.0

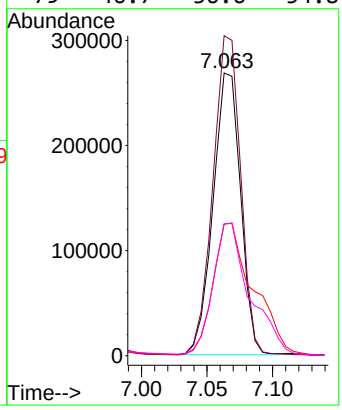




#17
2-Methylphenol
Concen: 38.876 ng
RT: 7.063 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:107 Resp: 39198

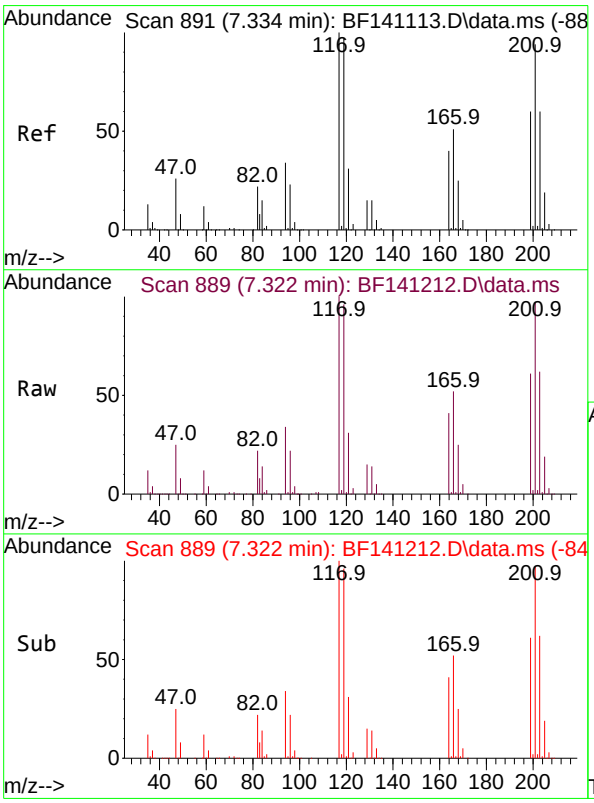
Ion	Ratio	Lower	Upper
107	100		
108	113.2	90.1	135.1
77	46.5	36.6	55.0
79	46.7	36.6	54.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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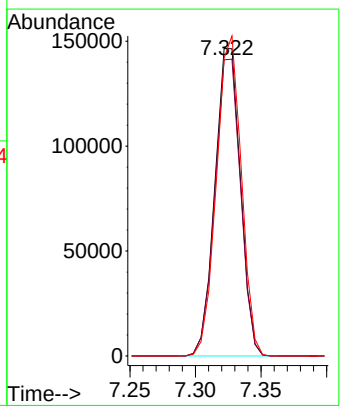
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

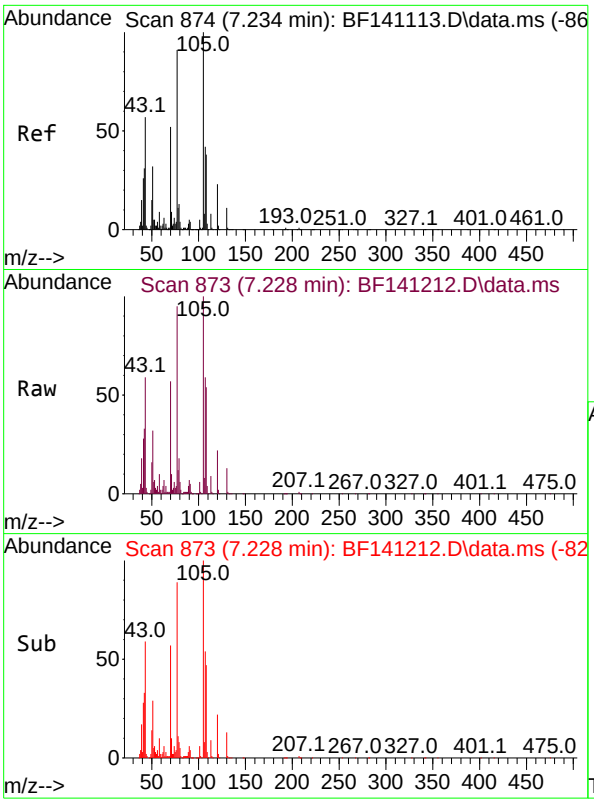


#18
Hexachloroethane
Concen: 39.109 ng
RT: 7.322 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:117 Resp: 198518

Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.6	116.4
201	96.9	75.1	112.7

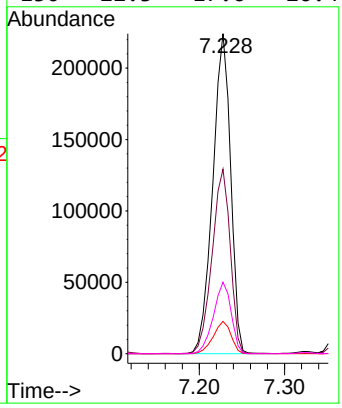




#19
n-Nitroso-di-n-propylamine
Concen: 37.682 ng
RT: 7.228 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion: 70 Resp: 32730

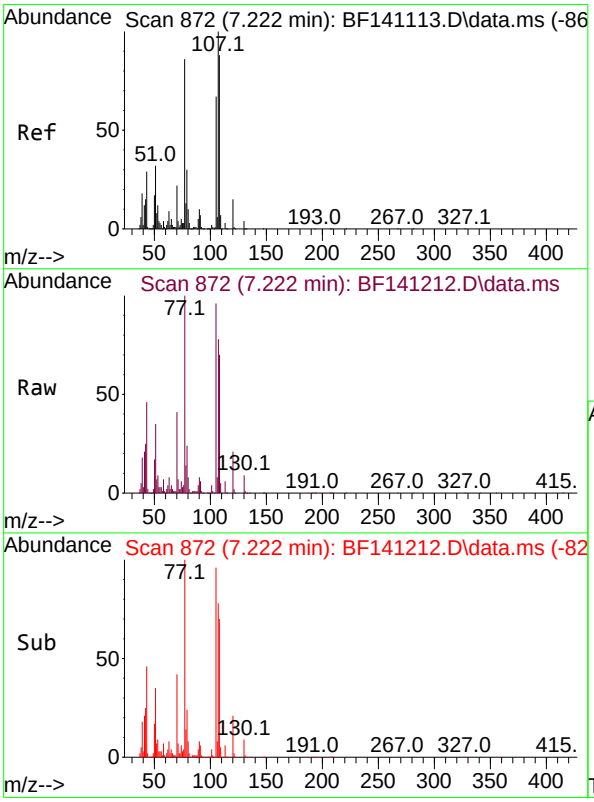
Ion	Ratio	Lower	Upper
70	100		
42	57.6	47.8	71.6
101	10.1	7.9	11.9
130	22.3	17.6	26.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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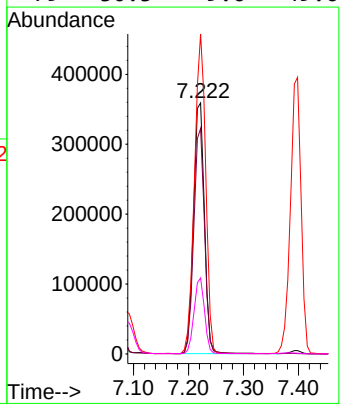
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

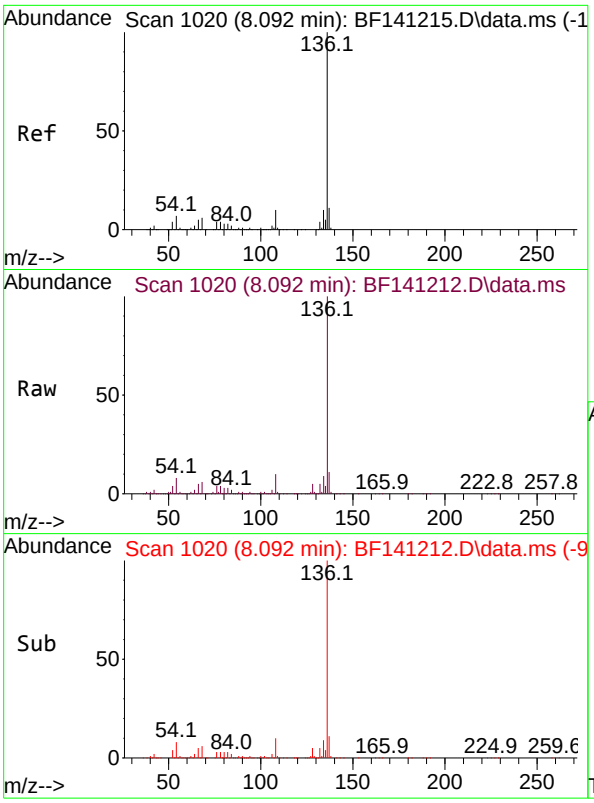


#20
3+4-Methylphenols
Concen: 38.549 ng
RT: 7.222 min Scan# 872
Delta R.T. 0.000 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:107 Resp: 490374

Ion	Ratio	Lower	Upper
107	100		
108	89.8	68.3	108.3
77	127.5	66.4	106.4#
79	30.3	9.6	49.6

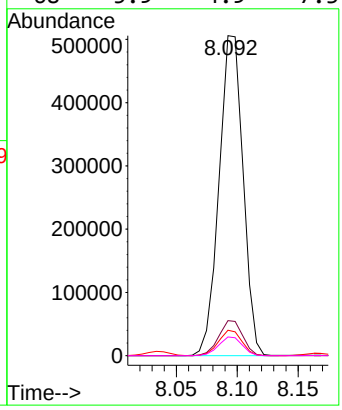




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:136 Resp: 69585

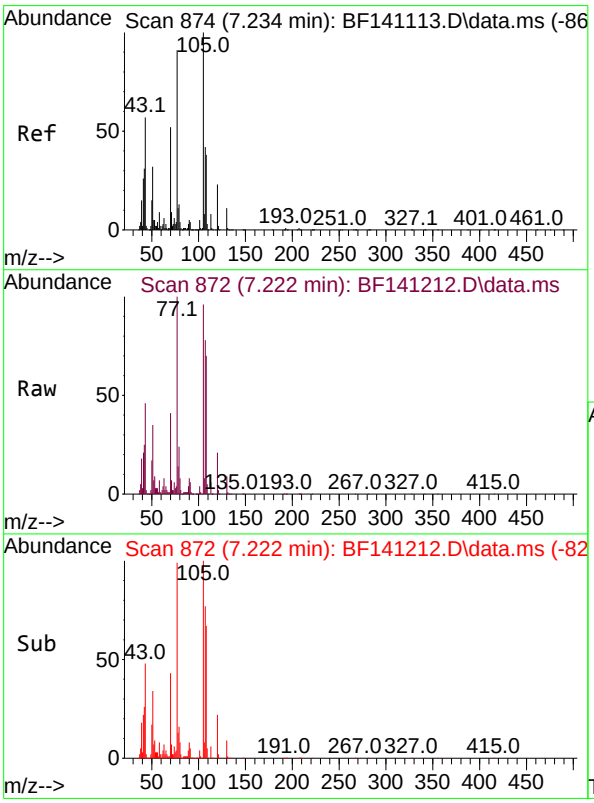
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.9	6.3	9.5
68	5.9	4.9	7.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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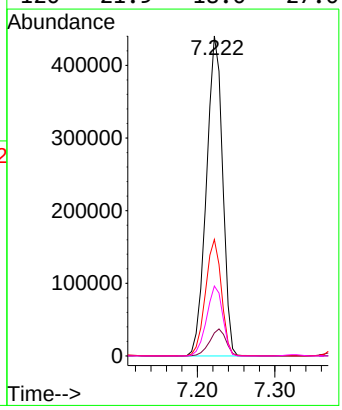
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

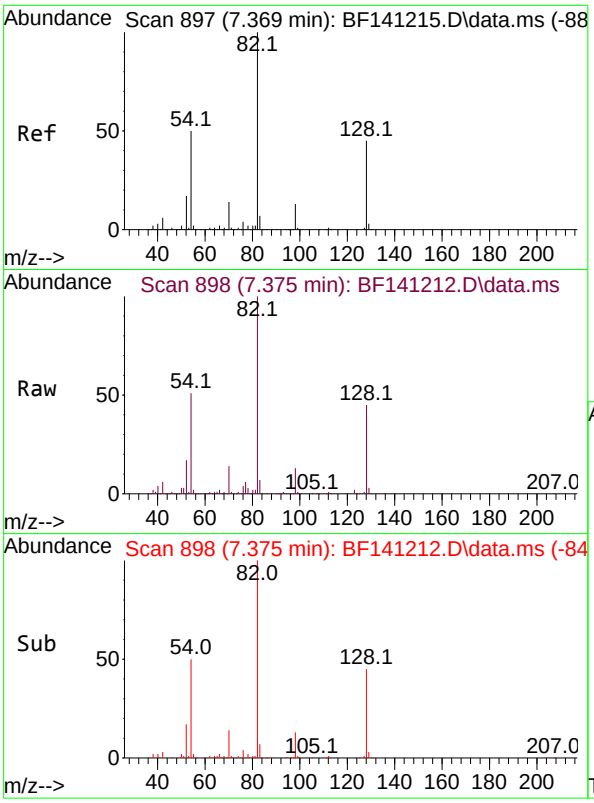


#22
Acetophenone
Concen: 38.705 ng
RT: 7.222 min Scan# 872
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:105 Resp: 640268

Ion	Ratio	Lower	Upper
105	100		
71	7.2	7.1	10.7
51	36.4	25.4	38.2
120	21.9	18.0	27.0

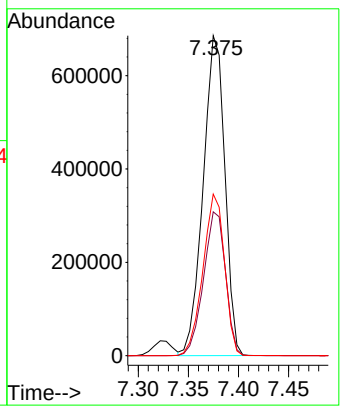




#23
Nitrobenzene-d5
Concen: 78.878 ng
RT: 7.375 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion: 82 Resp: 103544

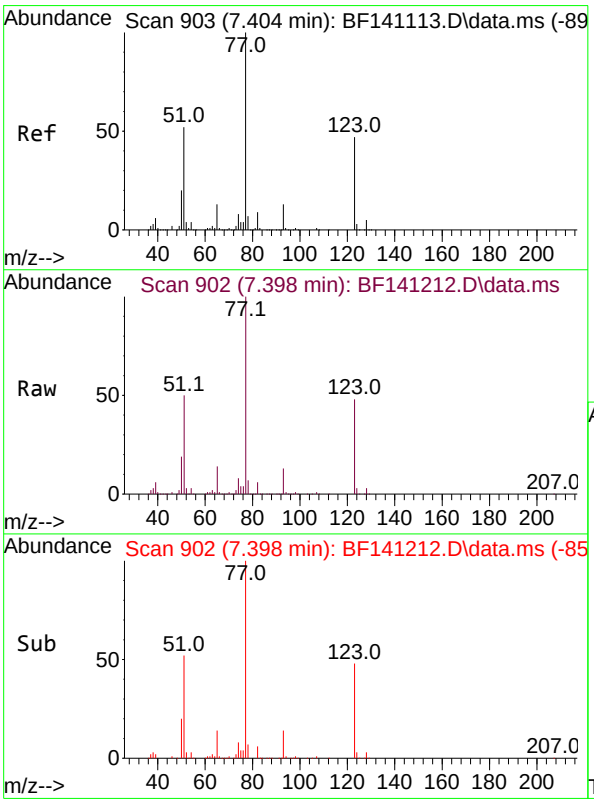
Ion	Ratio	Lower	Upper
82	100		
128	45.0	36.1	54.1
54	50.5	41.0	61.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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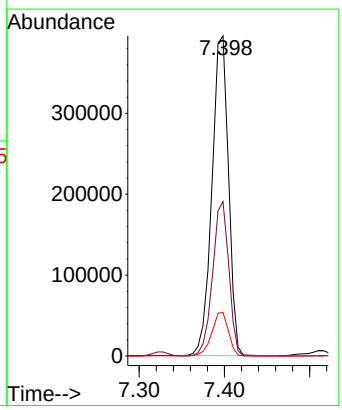
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

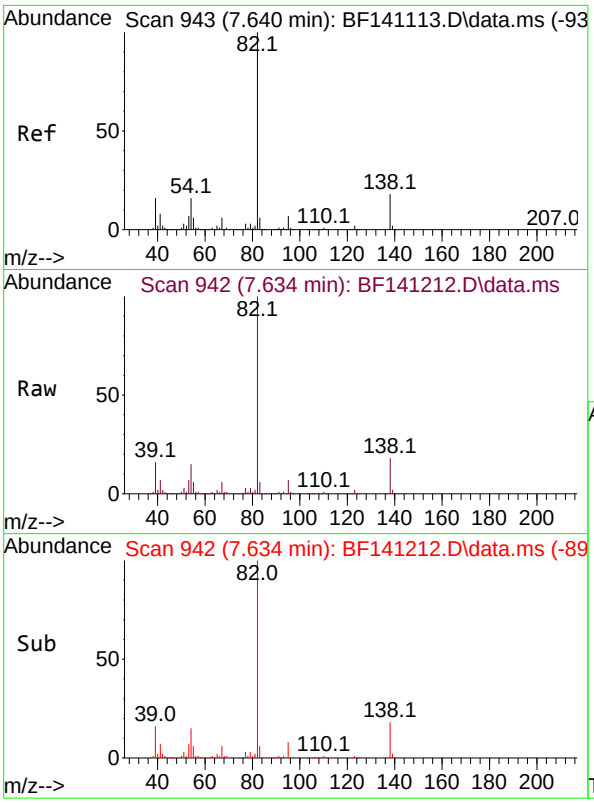


#24
Nitrobenzene
Concen: 39.074 ng
RT: 7.398 min Scan# 902
Delta R.T. -0.006 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion: 77 Resp: 534584

Ion	Ratio	Lower	Upper
77	100		
123	48.2	37.7	56.5
65	13.6	10.6	16.0





#25
Isophorone
Concen: 39.362 ng
RT: 7.634 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

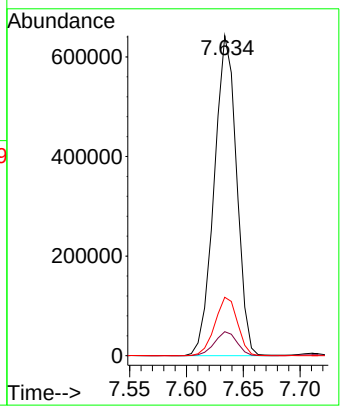
Tgt Ion: 82 Resp: 88304

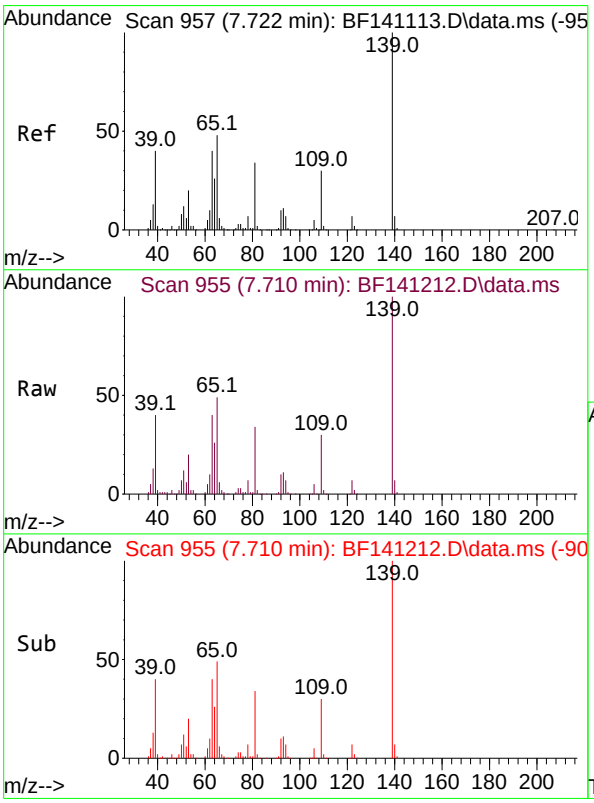
Ion	Ratio	Lower	Upper
82	100		
95	7.5	5.9	8.9
138	18.3	14.2	21.2

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

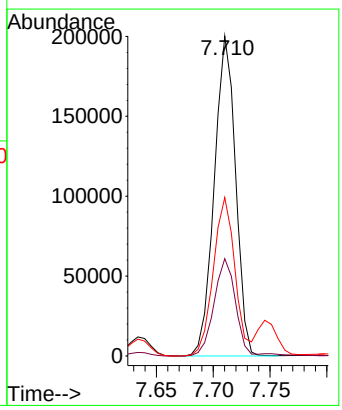


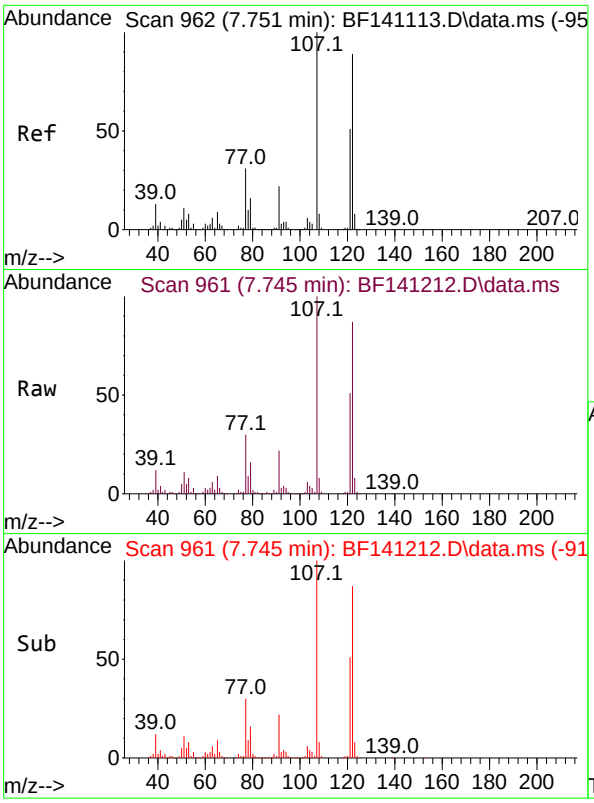


#26
2-Nitrophenol
Concen: 41.973 ng
RT: 7.710 min Scan# 955
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:139 Resp: 261219

Ion	Ratio	Lower	Upper
139	100		
109	30.4	23.8	35.6
65	49.5	38.5	57.7





#27
2,4-Dimethylphenol
Concen: 39.434 ng
RT: 7.745 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

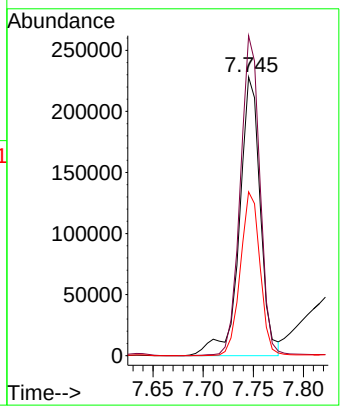
Tgt Ion:122 Resp: 33102

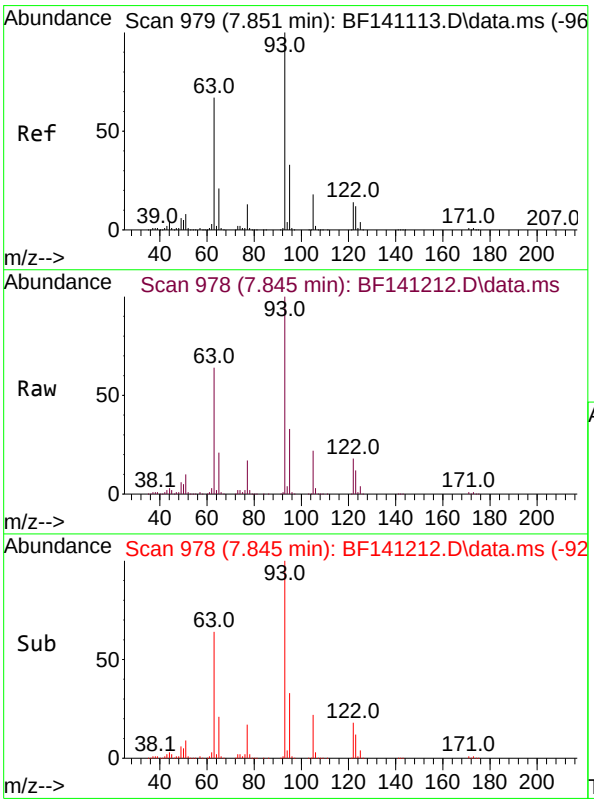
Ion	Ratio	Lower	Upper
122	100		
107	114.8	90.3	135.5
121	58.8	46.5	69.7

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

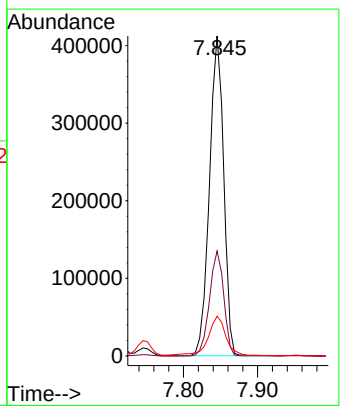


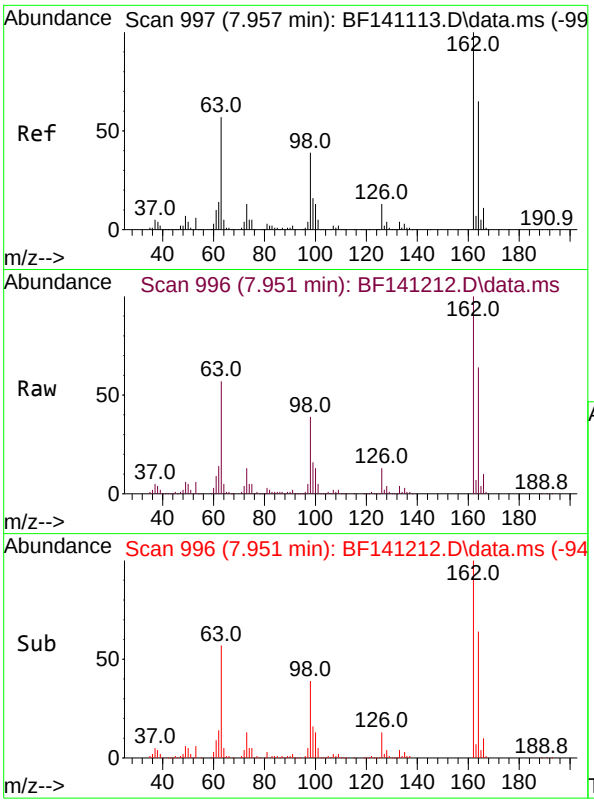


#28
bis(2-Chloroethoxy)methane
Concen: 39.065 ng
RT: 7.845 min Scan# 978
Delta R.T. -0.006 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion: 93 Resp: 549992

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.2	39.4
123	12.4	10.1	15.1

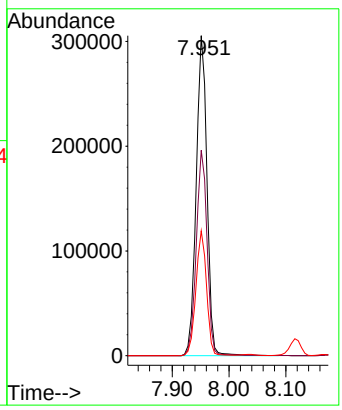




#29
2,4-Dichlorophenol
Concen: 40.674 ng
RT: 7.951 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:162 Resp: 40551

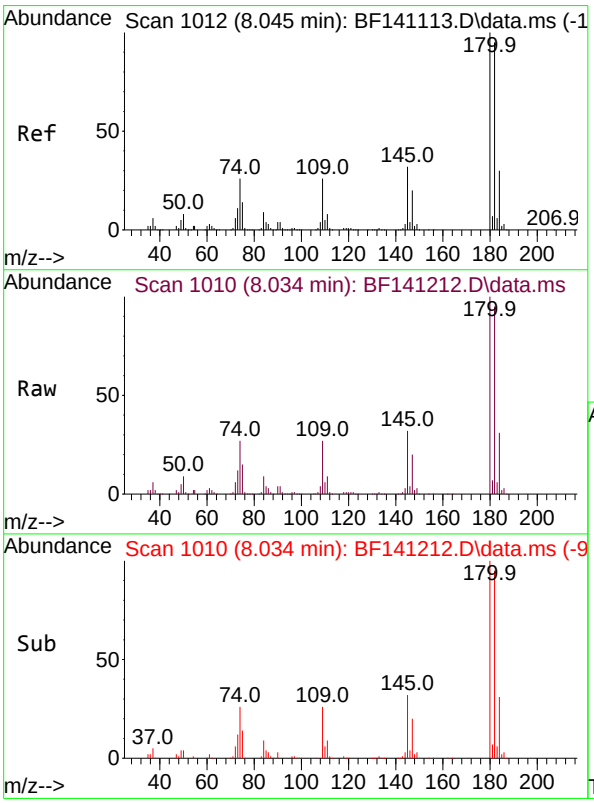
Ion	Ratio	Lower	Upper
162	100		
164	64.2	44.5	84.5
98	39.0	18.5	58.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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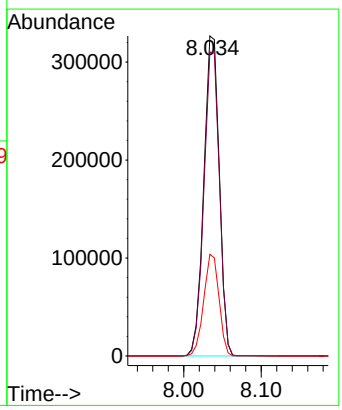
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

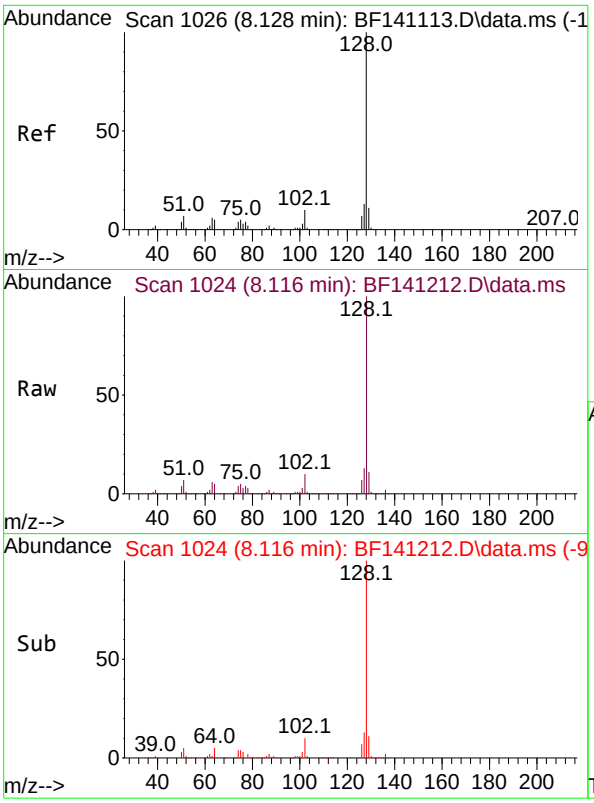


#30
1,2,4-Trichlorobenzene
Concen: 39.859 ng
RT: 8.034 min Scan# 1010
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:180 Resp: 454226

Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.2	114.2
145	31.7	25.3	37.9





#31
Naphthalene
Concen: 39.335 ng
RT: 8.116 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

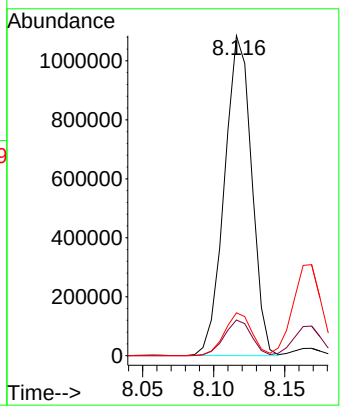
Tgt Ion:128 Resp: 144344

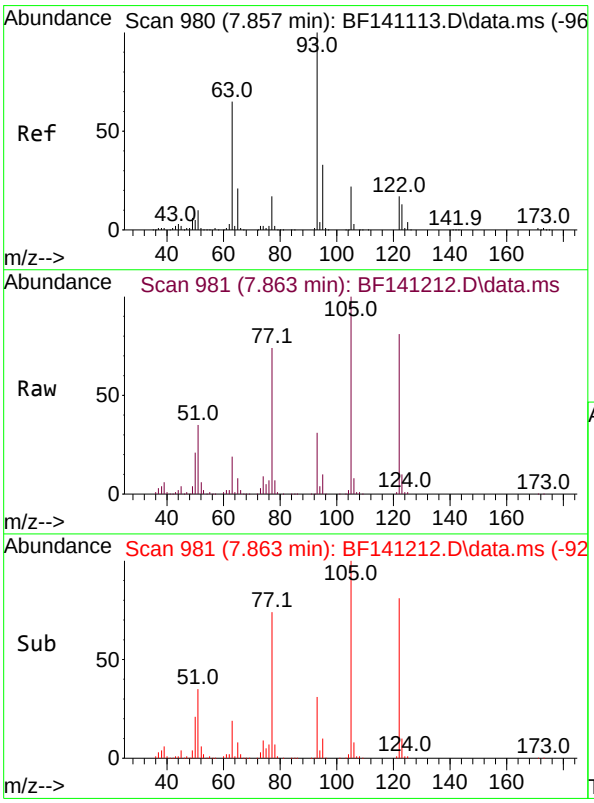
Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.6
127	13.4	10.8	16.2

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

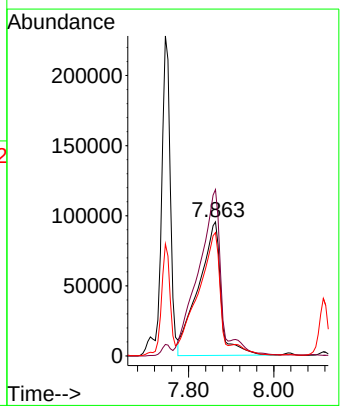


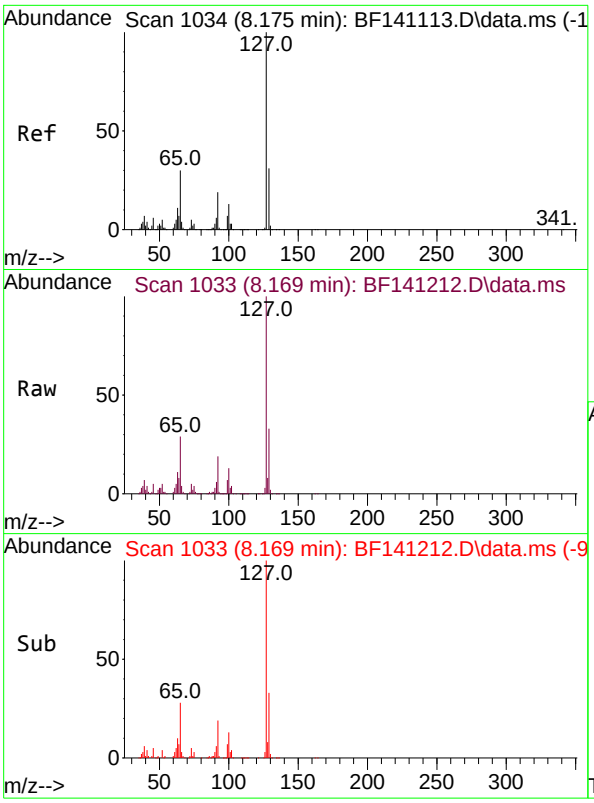


#32
Benzoic acid
Concen: 43.391 ng
RT: 7.863 min Scan# 981
Delta R.T. 0.006 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:122 Resp: 349410

Ion	Ratio	Lower	Upper
122	100		
105	124.1	105.5	145.5
77	92.0	75.1	115.1

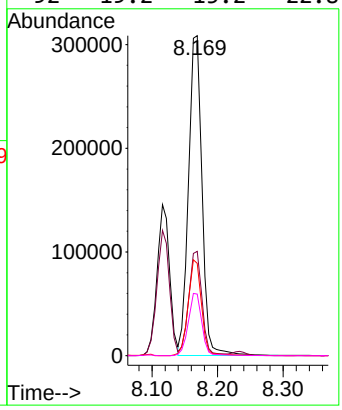




#33
4-Chloroaniline
Concen: 34.865 ng
RT: 8.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:127 Resp: 44247

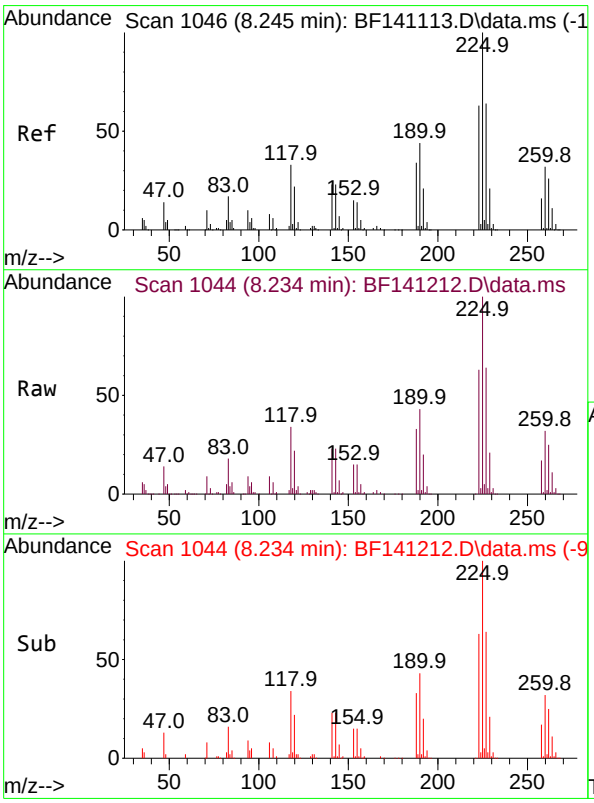
Ion	Ratio	Lower	Upper
127	100		
129	32.6	25.9	38.9
65	28.9	23.8	35.8
92	19.2	15.2	22.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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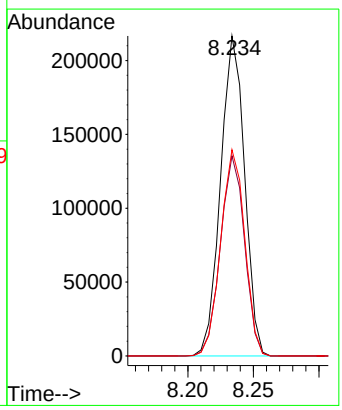
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

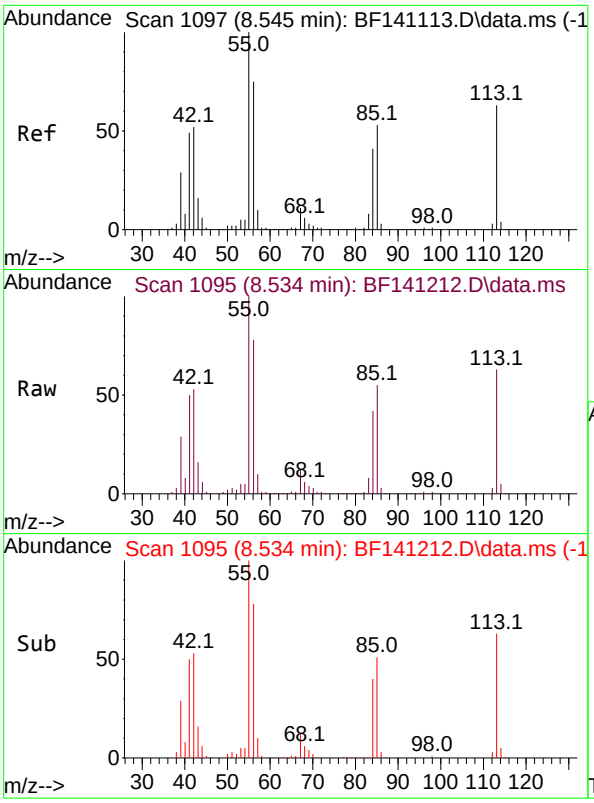


#34
Hexachlorobutadiene
Concen: 40.119 ng
RT: 8.234 min Scan# 1044
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:225 Resp: 275485

Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.6	76.0
227	64.4	51.6	77.4





#35
Caprolactam
Concen: 40.107 ng m
RT: 8.534 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

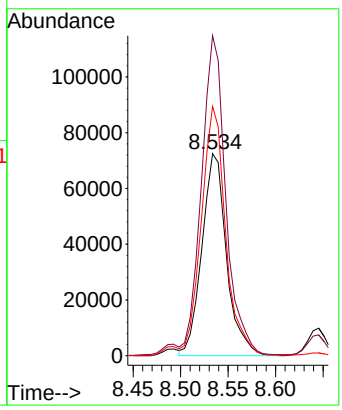
Tgt Ion:113 Resp: 13091

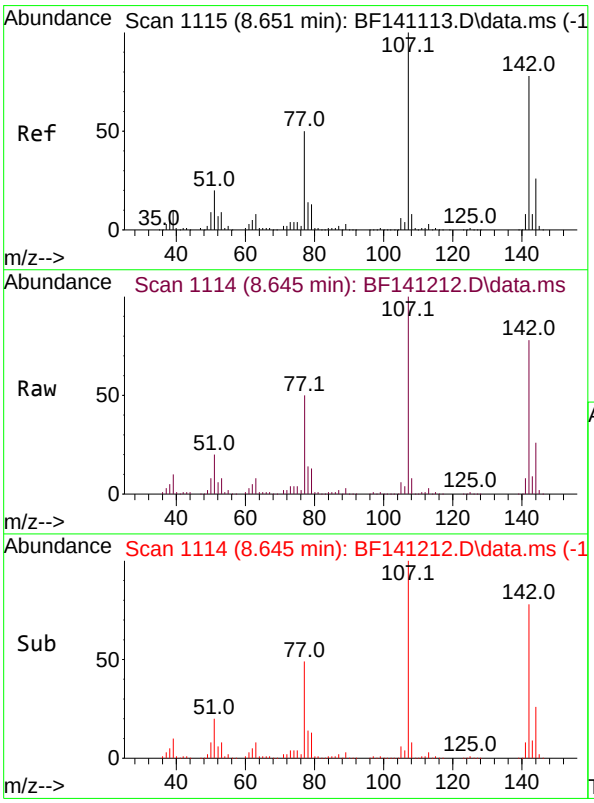
Ion	Ratio	Lower	Upper
113	100		
55	158.3	139.7	179.7
56	123.4	99.4	139.4

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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Supervised By :mohammad ahmed 01/21/2025

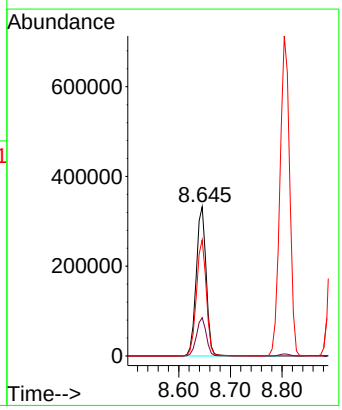


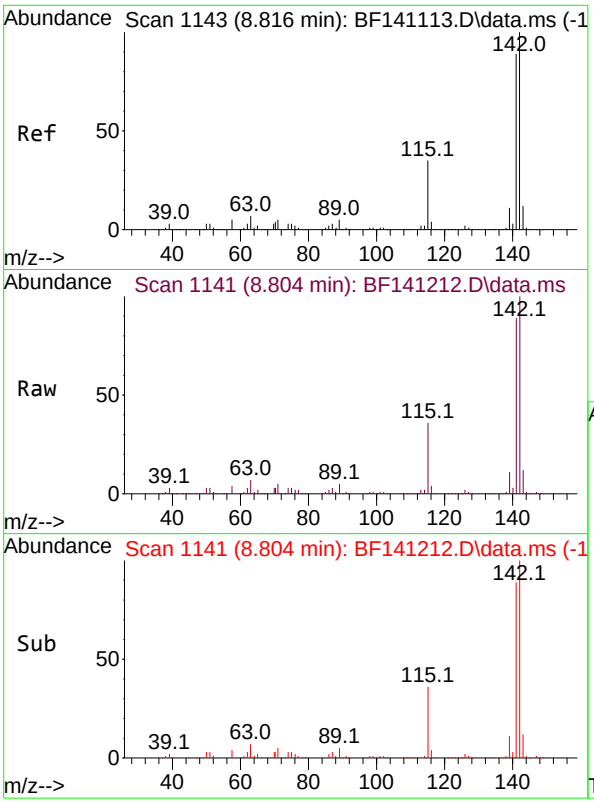


#36
4-Chloro-3-methylphenol
Concen: 40.655 ng
RT: 8.645 min Scan# 1114
Delta R.T. -0.006 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:107 Resp: 443278

Ion	Ratio	Lower	Upper
107	100		
144	25.6	20.4	30.6
142	77.8	62.2	93.2

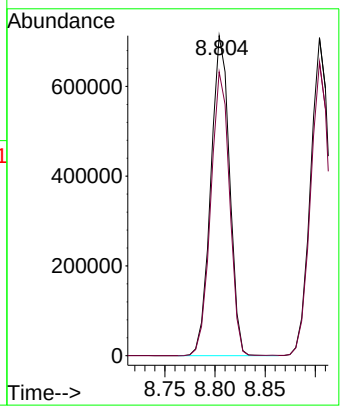




#37
2-Methylnaphthalene
Concen: 39.636 ng
RT: 8.804 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:142 Resp: 92686

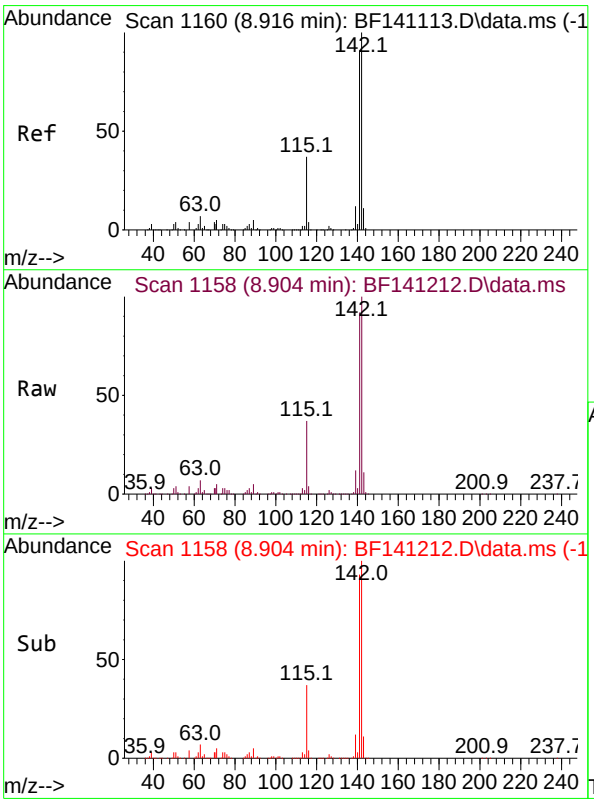
Ion	Ratio	Lower	Upper
142	100		
141	88.7	71.3	106.9



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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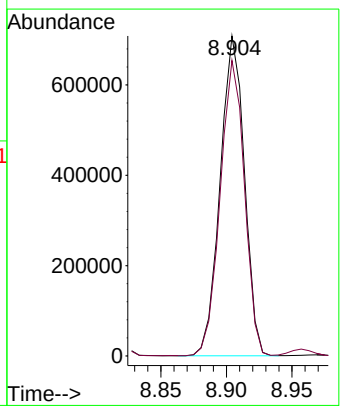
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

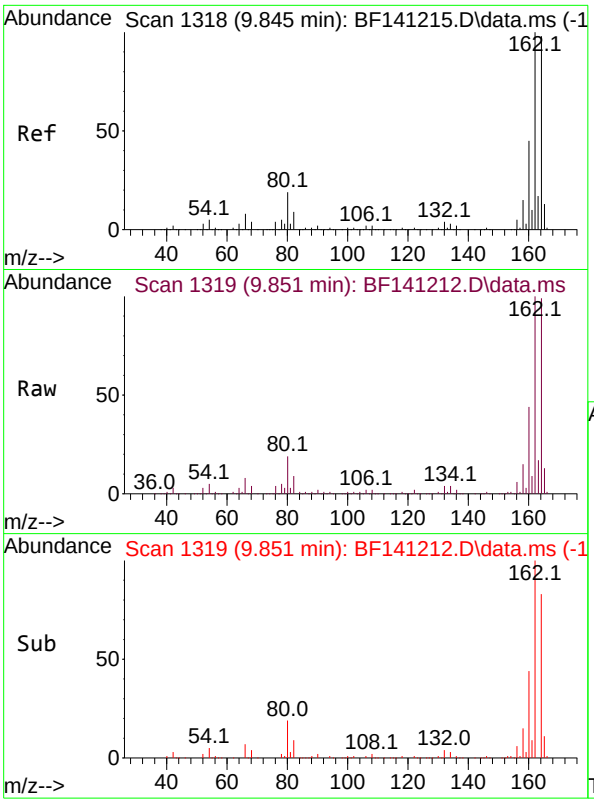


#38
1-Methylnaphthalene
Concen: 39.518 ng
RT: 8.904 min Scan# 1158
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:142 Resp: 910731

Ion	Ratio	Lower	Upper
142	100		
141	92.4	73.1	109.7

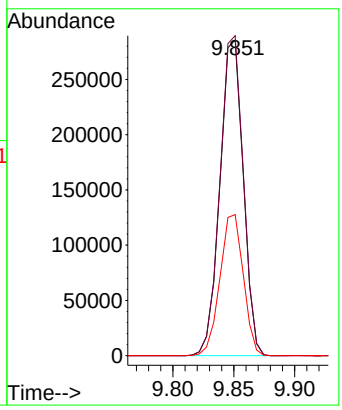




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:164 Resp: 37933

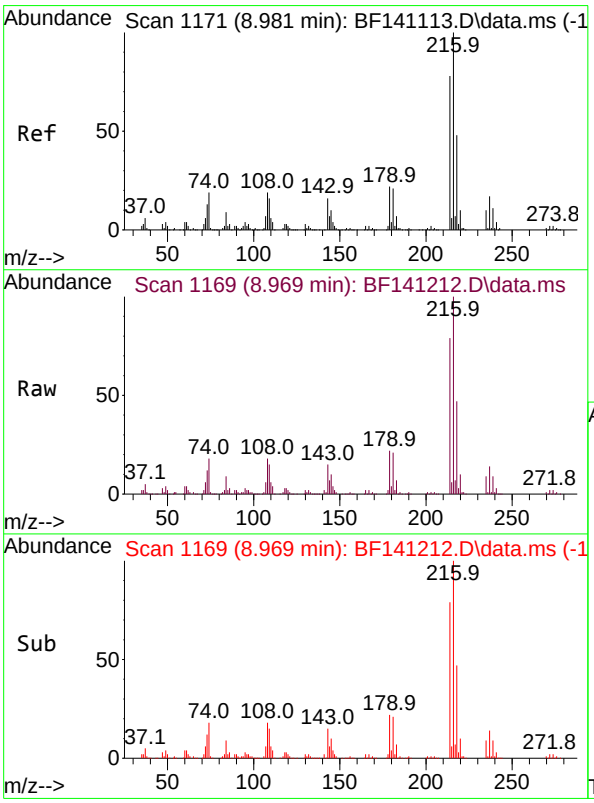
Ion	Ratio	Lower	Upper
164	100		
162	101.4	81.0	121.4
160	44.7	36.1	54.1



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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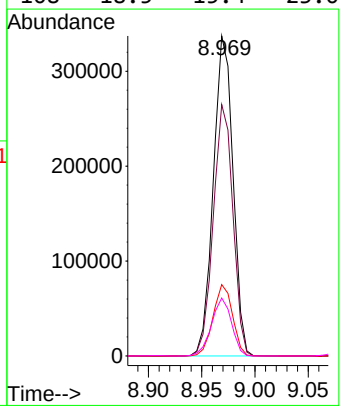
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

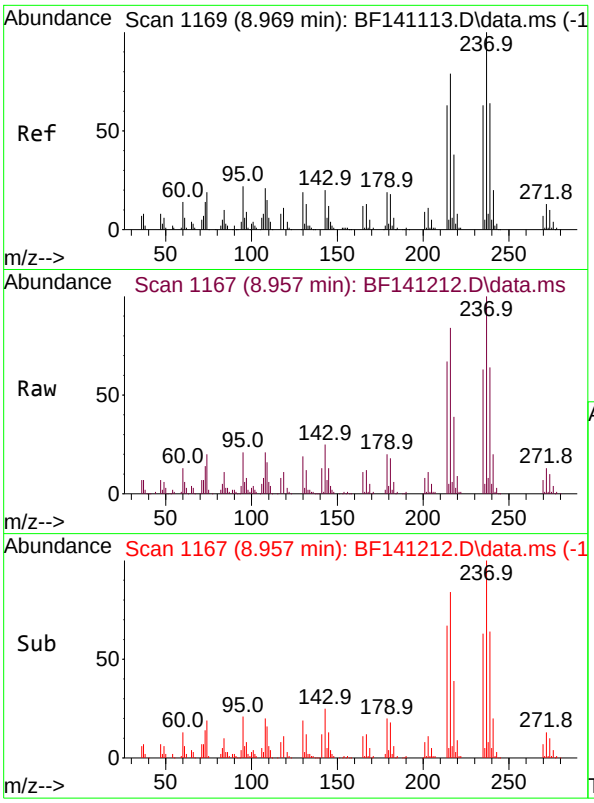


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.665 ng
RT: 8.969 min Scan# 1169
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:216 Resp: 431864

Ion	Ratio	Lower	Upper
216	100		
214	78.5	62.6	94.0
179	22.1	17.7	26.5
108	18.5	15.4	23.0

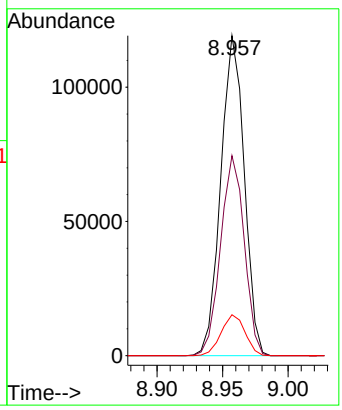




#41
Hexachlorocyclopentadiene
Concen: 41.678 ng
RT: 8.957 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:237 Resp: 14846

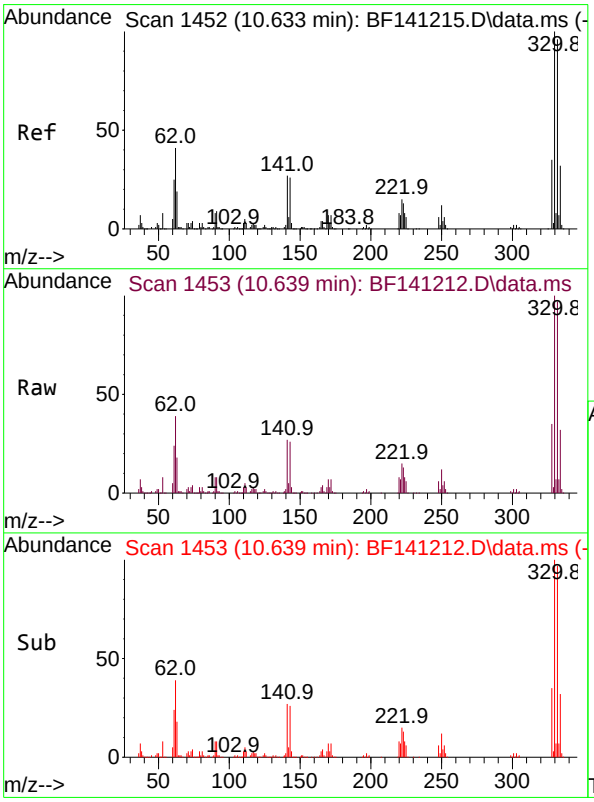
Ion	Ratio	Lower	Upper
237	100		
235	62.5	43.0	83.0
272	12.8	0.0	33.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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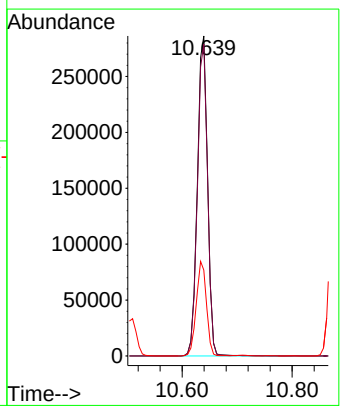
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

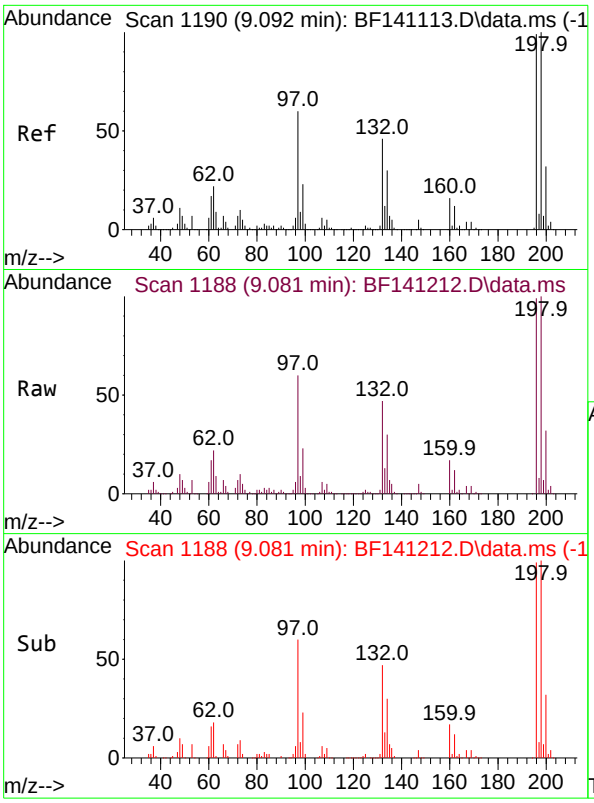


#42
2,4,6-Tribromophenol
Concen: 85.576 ng
RT: 10.639 min Scan# 1453
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:330 Resp: 369885

Ion	Ratio	Lower	Upper
330	100		
332	97.2	76.9	115.3
141	29.5	25.2	37.8

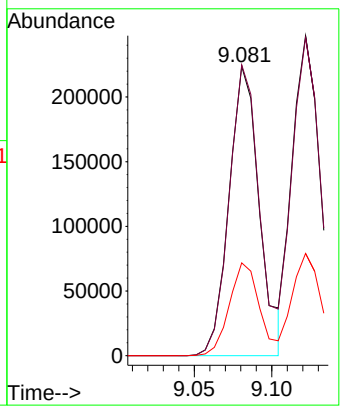




#43
2,4,6-Trichlorophenol
Concen: 41.342 ng
RT: 9.081 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:196 Resp: 30357

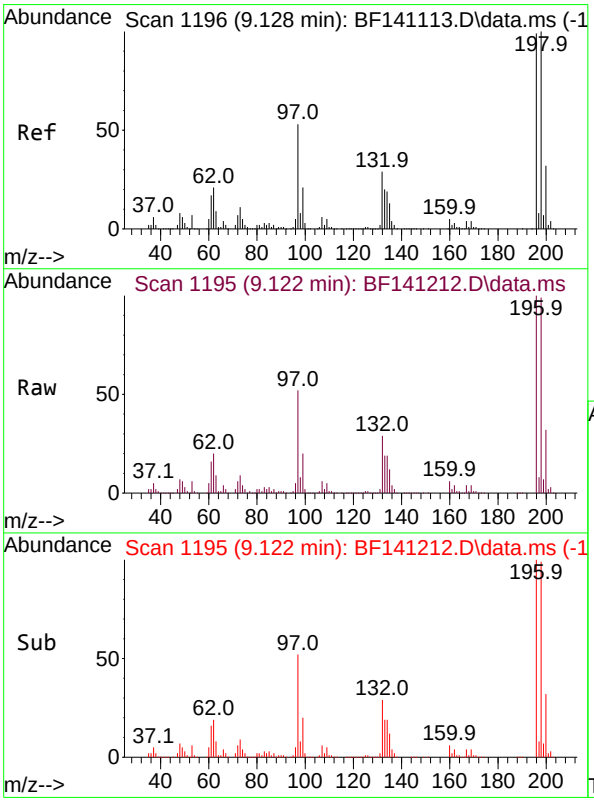
Ion	Ratio	Lower	Upper
196	100		
198	100.6	80.8	121.2
200	32.1	25.7	38.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

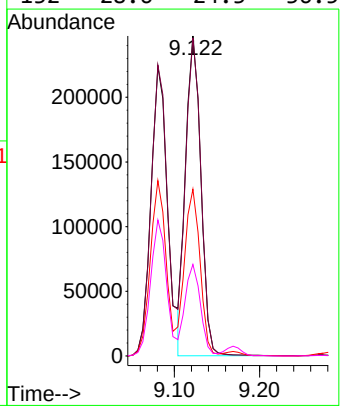
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

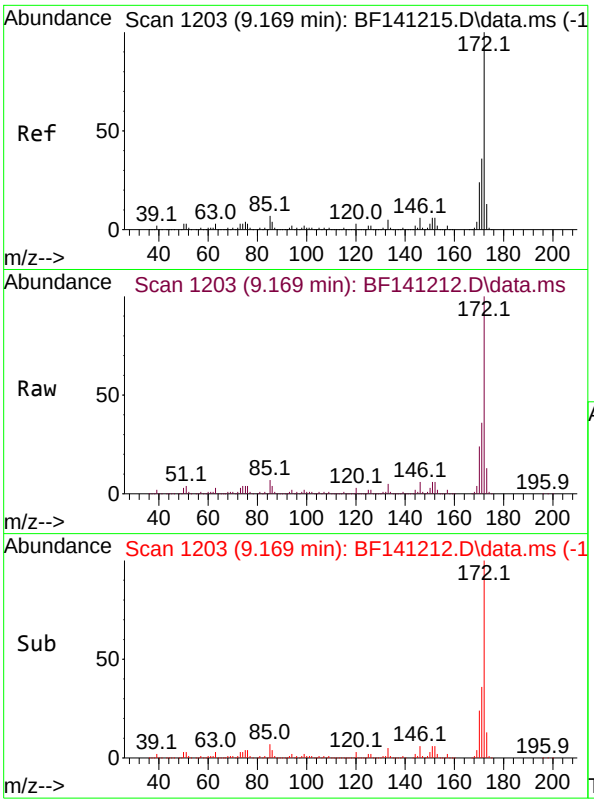


#44
2,4,5-Trichlorophenol
Concen: 39.913 ng
RT: 9.122 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:196 Resp: 309532

Ion	Ratio	Lower	Upper
196	100		
198	99.4	80.6	120.8
97	52.1	43.1	64.7
132	28.6	24.3	36.5

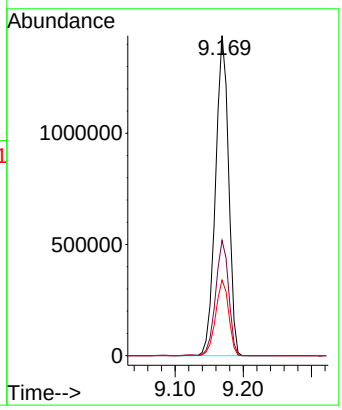




#45
2-Fluorobiphenyl
Concen: 77.274 ng
RT: 9.169 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:172 Resp: 191958

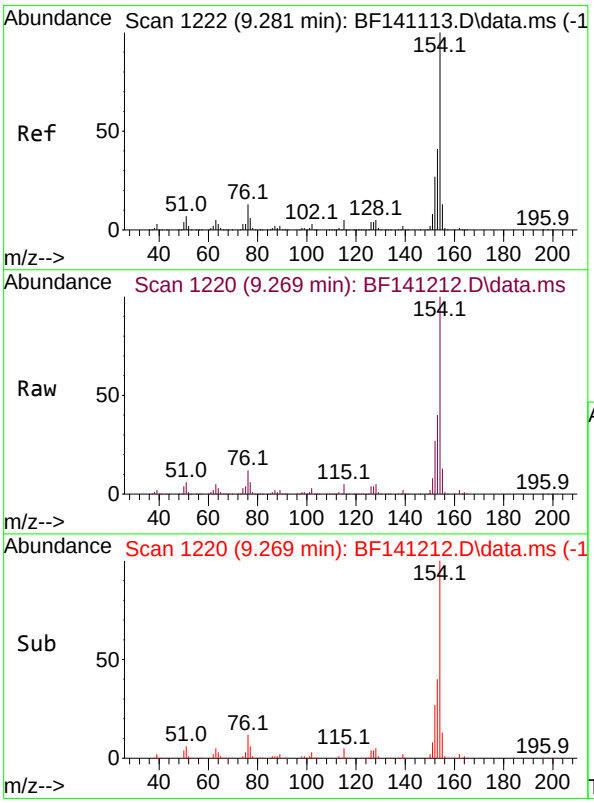
Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.7	43.1
170	23.7	19.0	28.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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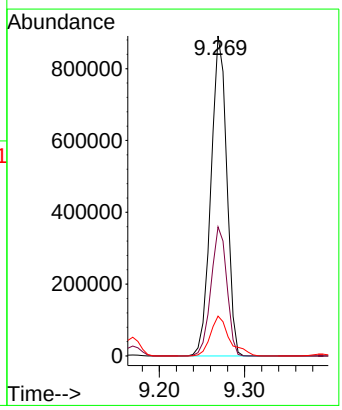
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

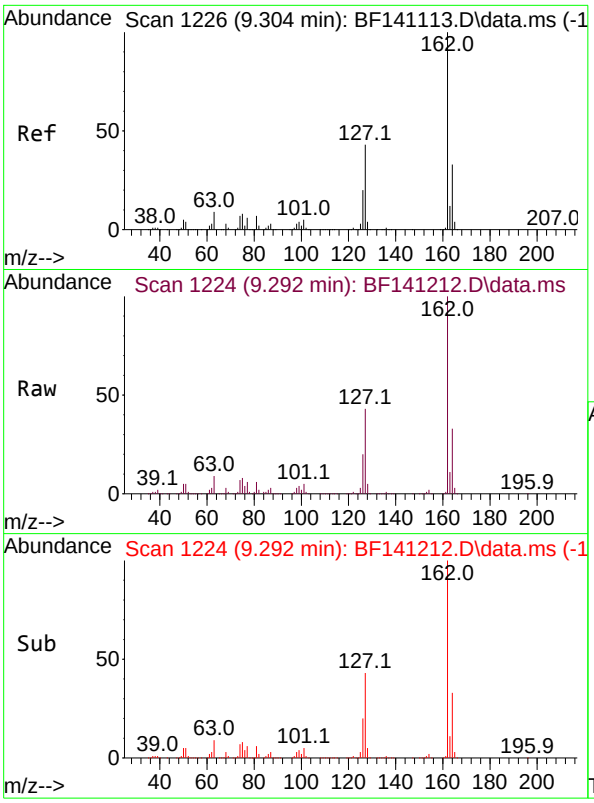


#46
1,1'-Biphenyl
Concen: 38.962 ng
RT: 9.269 min Scan# 1220
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:154 Resp: 1147801

Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.7	60.7
76	12.5	0.0	33.1

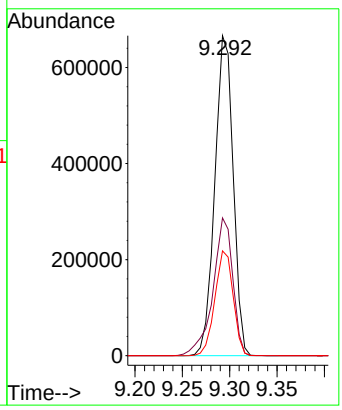




#47
2-Chloronaphthalene
Concen: 39.150 ng
RT: 9.292 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:162 Resp: 89829

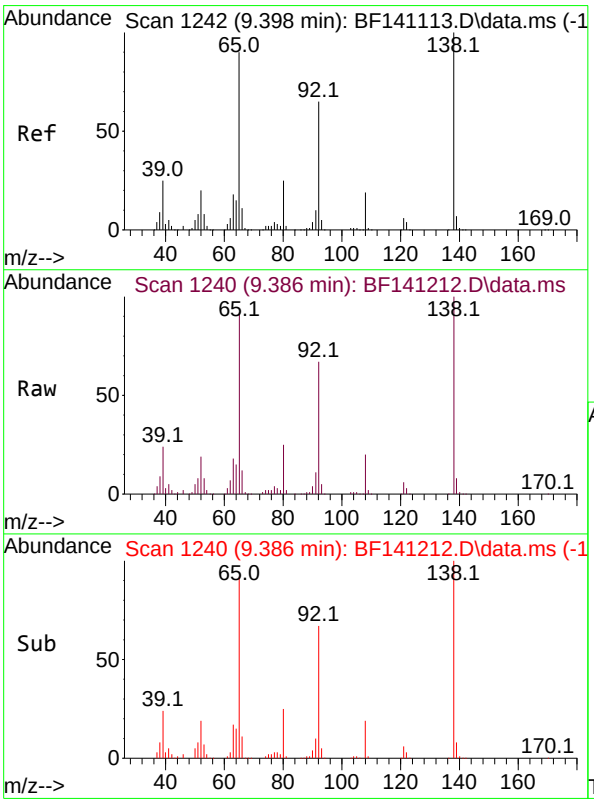
Ion	Ratio	Lower	Upper
162	100		
127	43.1	34.6	51.8
164	32.8	26.5	39.7



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

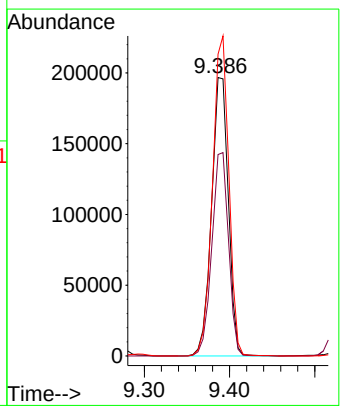
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

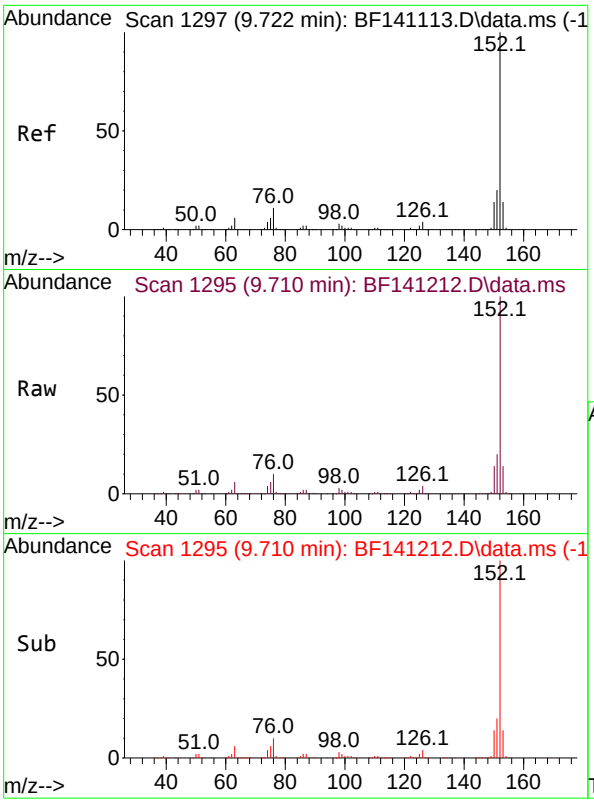


#48
2-Nitroaniline
Concen: 39.694 ng
RT: 9.386 min Scan# 1240
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion: 65 Resp: 269989

Ion	Ratio	Lower	Upper
65	100		
92	72.4	58.3	87.5
138	108.4	89.1	133.7

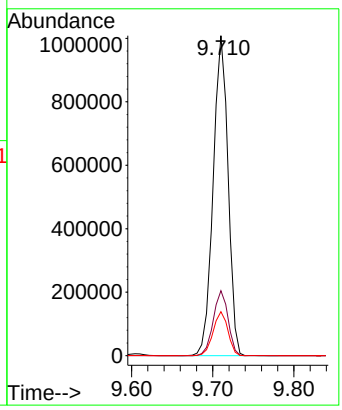




#49
Acenaphthylene
Concen: 39.180 ng
RT: 9.710 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:152 Resp: 128439

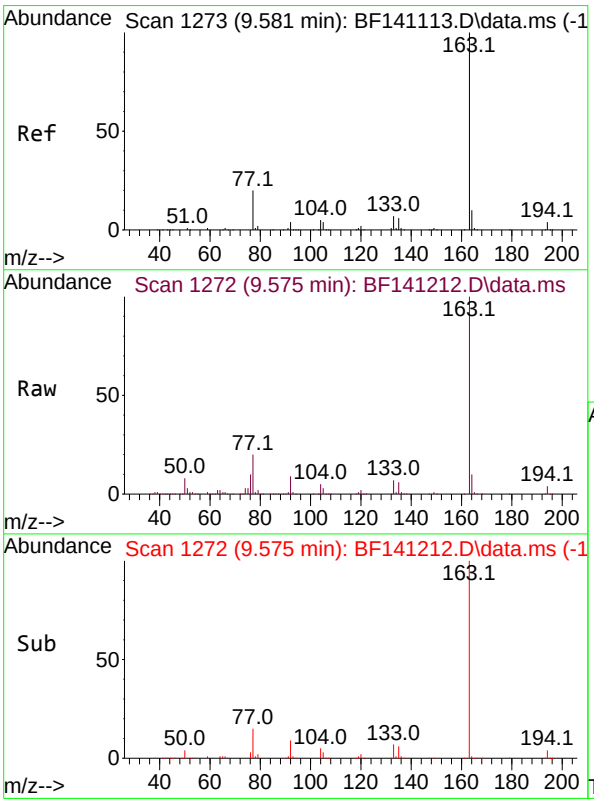
Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.1	24.1
153	13.7	11.1	16.7



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

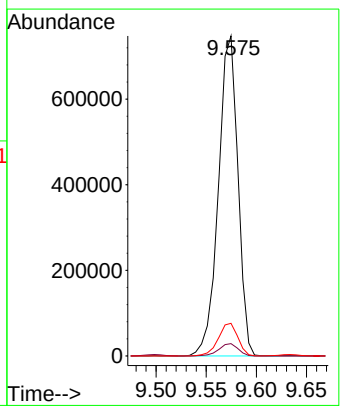
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

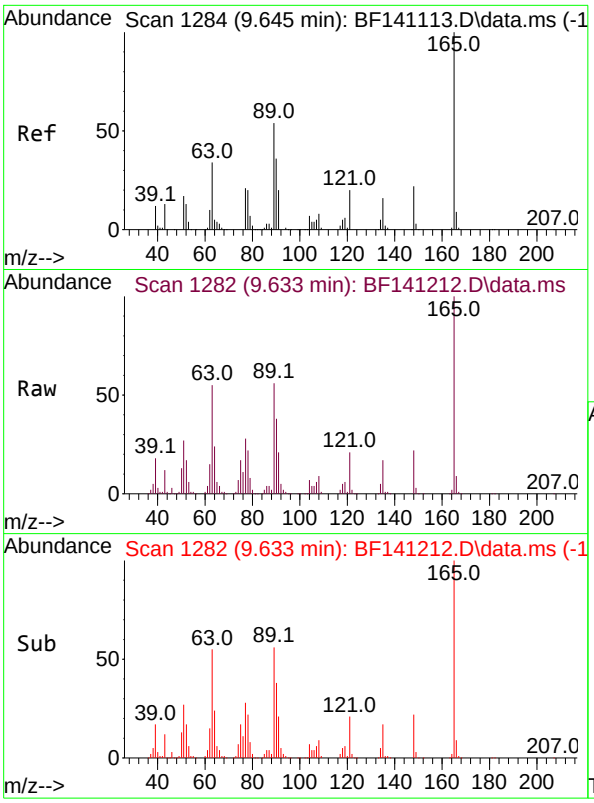


#50
Dimethylphthalate
Concen: 39.677 ng
RT: 9.575 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:163 Resp: 1010444

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.0	4.6
164	10.2	8.2	12.4





#51
2,6-Dinitrotoluene
Concen: 40.283 ng
RT: 9.633 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

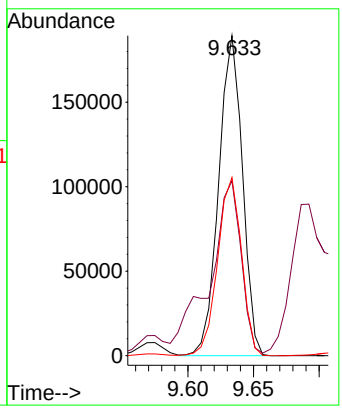
Tgt Ion:165 Resp: 23855

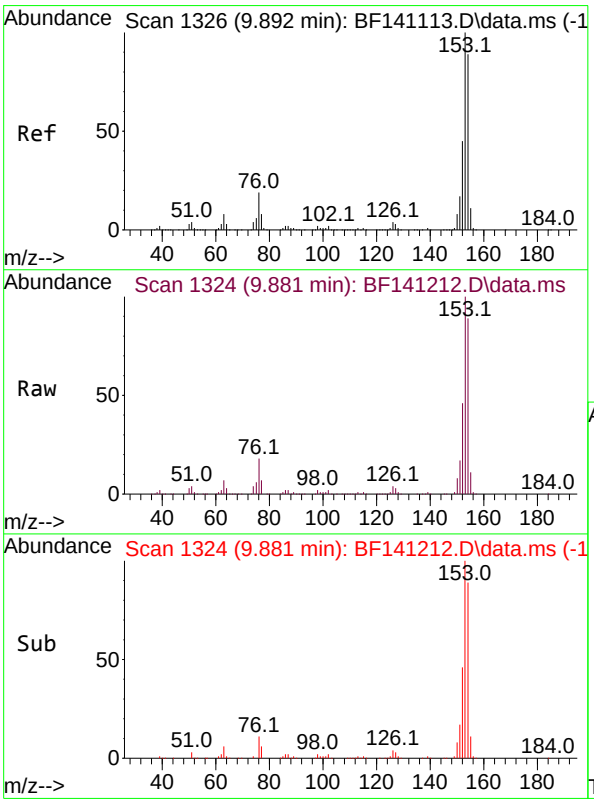
Ion	Ratio	Lower	Upper
165	100		
63	54.6	42.3	63.5
89	55.6	43.1	64.7

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

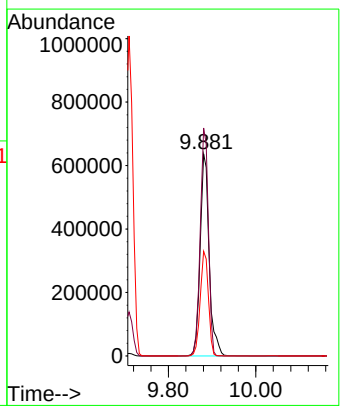


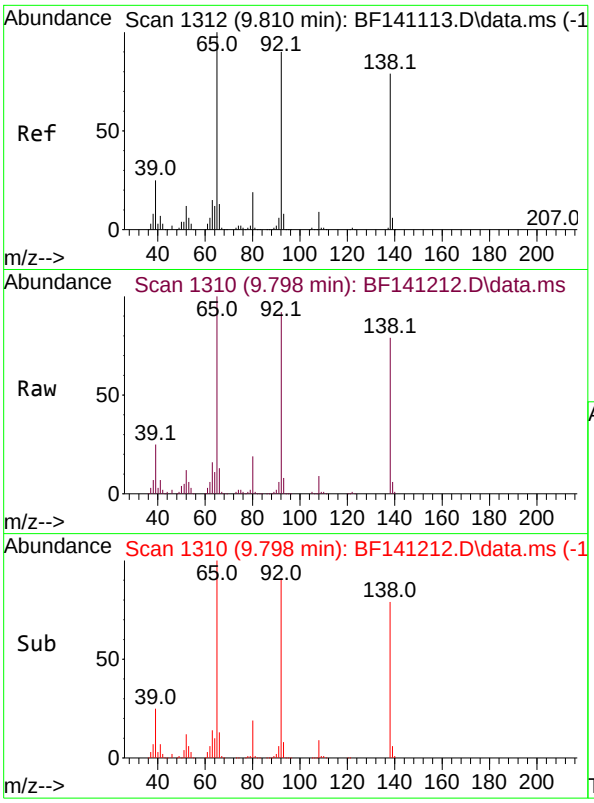


#52
Acenaphthene
Concen: 39.925 ng
RT: 9.881 min Scan# 1324
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:154 Resp: 914414

Ion	Ratio	Lower	Upper
154	100		
153	112.9	89.8	134.6
152	51.8	40.8	61.2

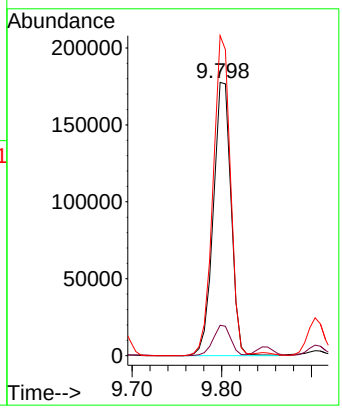




#53
3-Nitroaniline
Concen: 40.490 ng
RT: 9.798 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:138 Resp: 24367

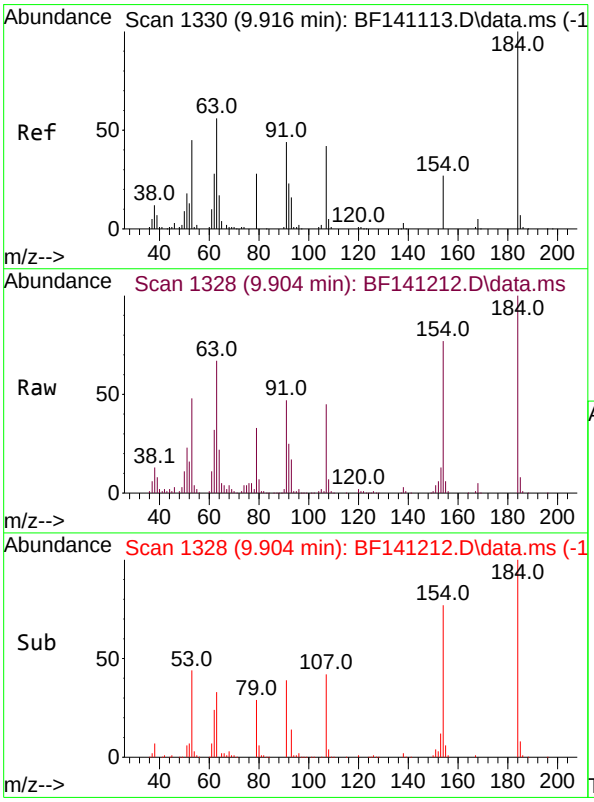
Ion	Ratio	Lower	Upper
138	100		
108	11.1	8.8	13.2
92	117.1	91.3	136.9



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

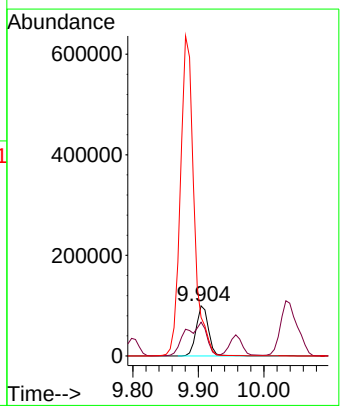
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

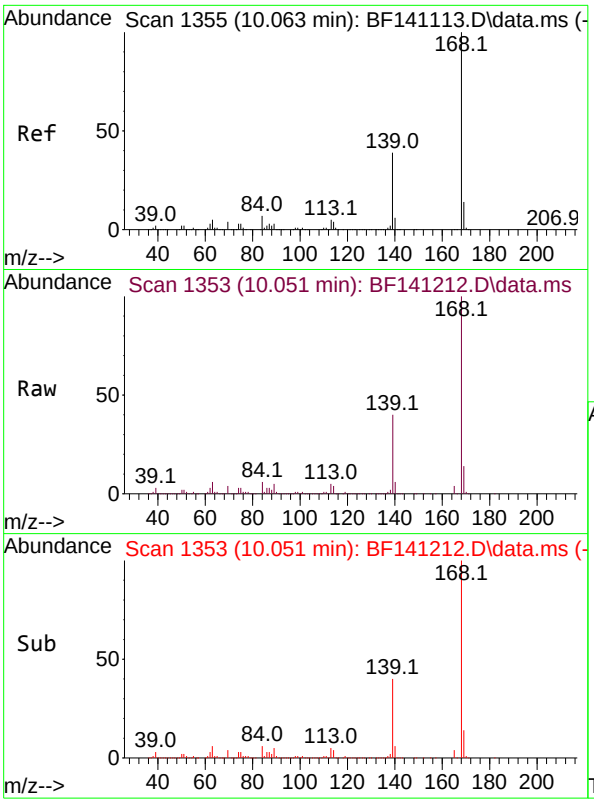


#54
2,4-Dinitrophenol
Concen: 46.326 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:184 Resp: 130404

Ion	Ratio	Lower	Upper
184	100		
63	67.2	48.7	73.1
154	76.8	57.1	85.7

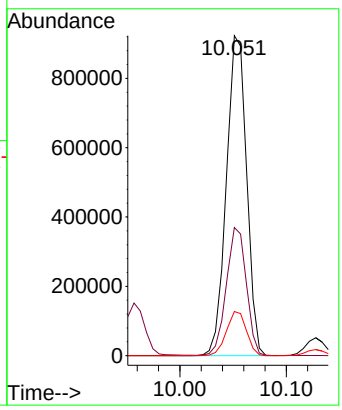




#55
Dibenzofuran
Concen: 39.152 ng
RT: 10.051 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:168 Resp: 121968

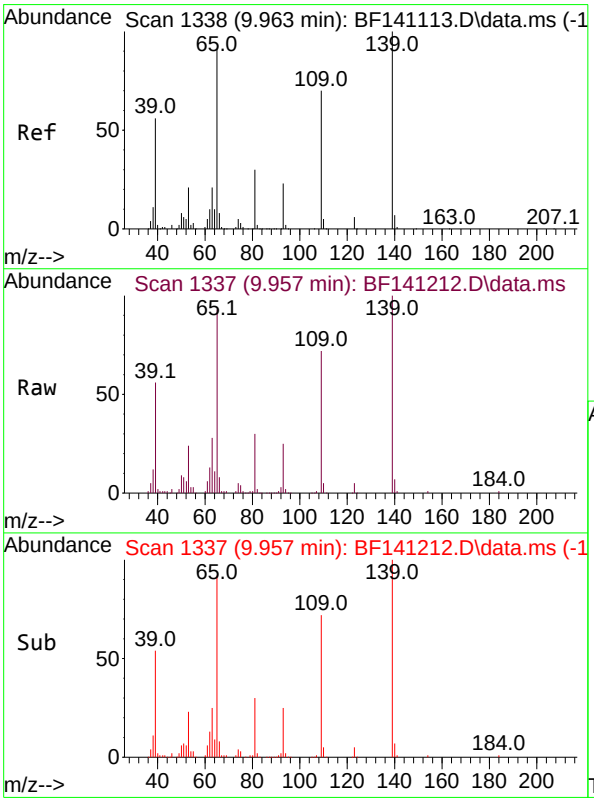
Ion	Ratio	Lower	Upper
168	100		
139	40.1	31.4	47.0
169	13.8	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

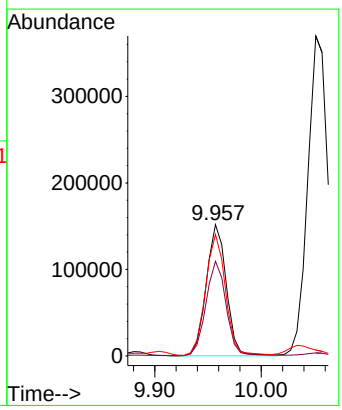
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

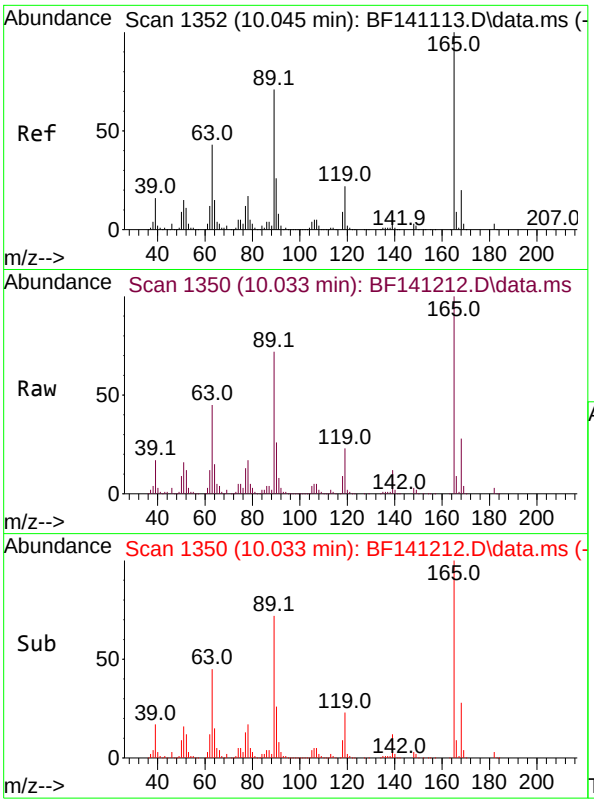


#56
4-Nitrophenol
Concen: 42.217 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.006 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:139 Resp: 198979

Ion	Ratio	Lower	Upper
139	100		
109	72.1	50.2	90.2
65	92.6	72.1	112.1

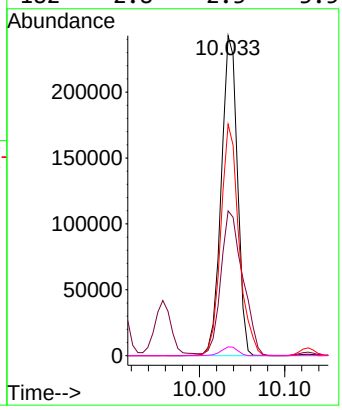




#57
2,4-Dinitrotoluene
Concen: 41.969 ng
RT: 10.033 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:165 Resp: 32030

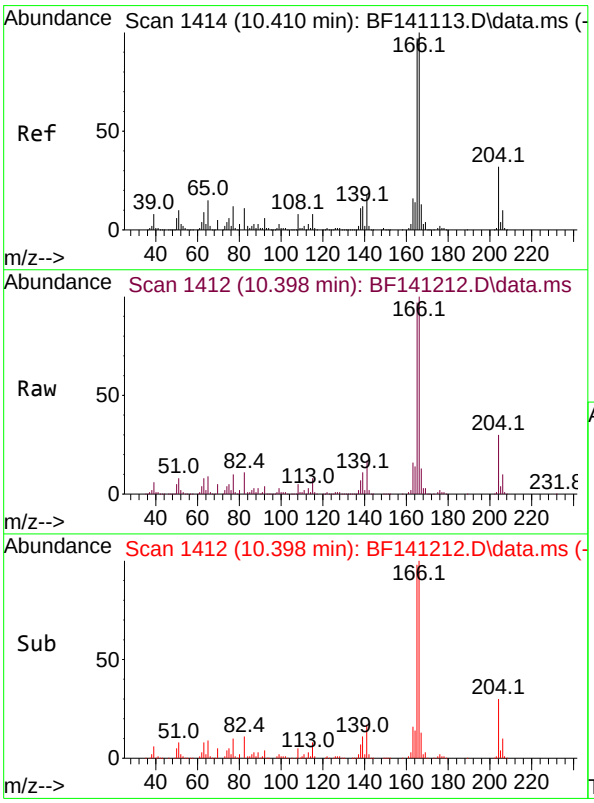
Ion	Ratio	Lower	Upper
165	100		
63	45.3	35.0	52.4
89	72.3	56.7	85.1
182	2.8	2.3	3.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

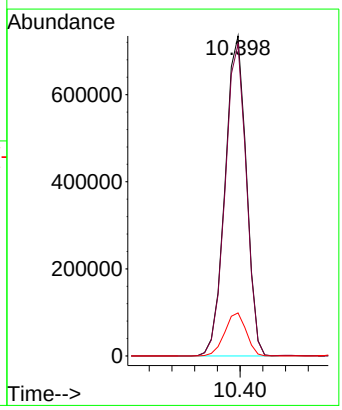
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

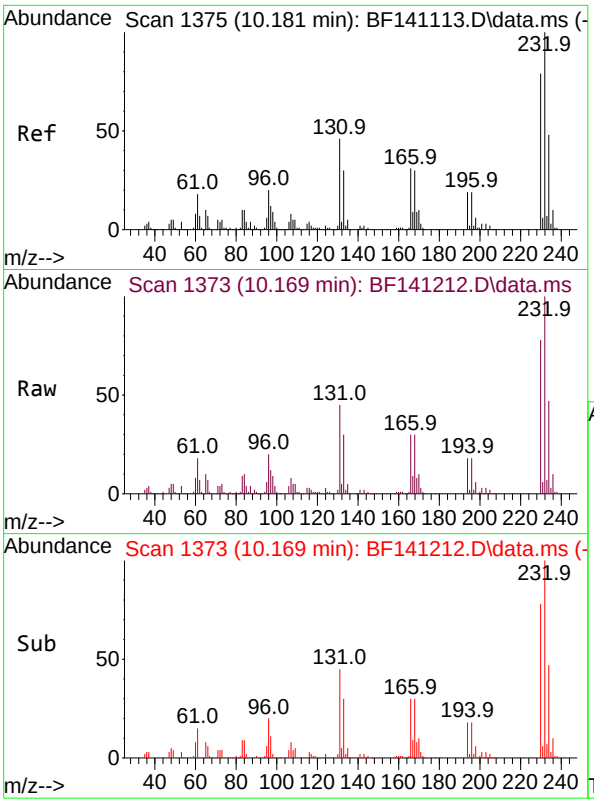


#58
Fluorene
Concen: 39.463 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:166 Resp: 955100

Ion	Ratio	Lower	Upper
166	100		
165	97.5	77.8	116.8
167	13.4	10.8	16.2

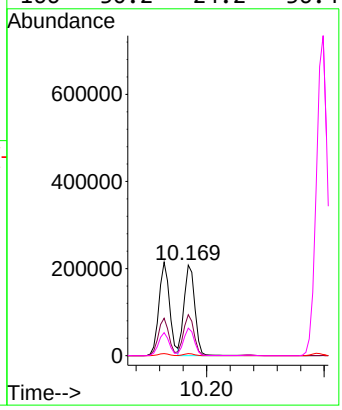




#59
2,3,4,6-Tetrachlorophenol
Concen: 41.061 ng
RT: 10.169 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:232 Resp: 26469

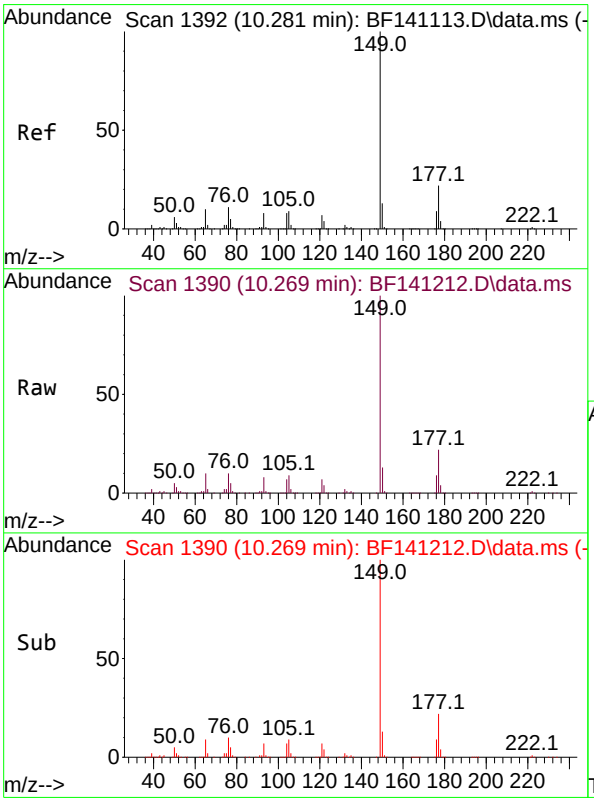
Ion	Ratio	Lower	Upper
232	100		
131	44.8	36.2	54.4
130	2.2	2.0	3.0
166	30.2	24.2	36.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

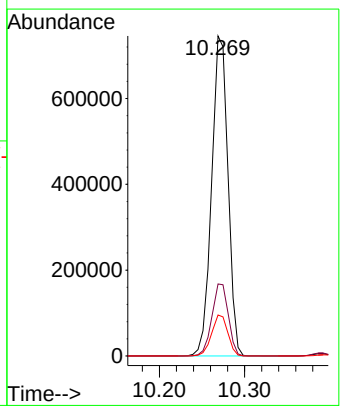
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

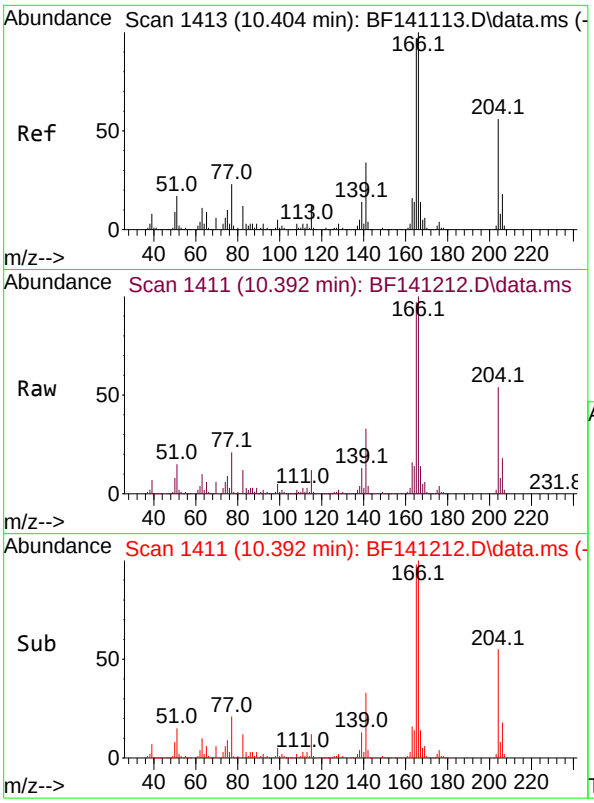


#60
Diethylphthalate
Concen: 39.892 ng
RT: 10.269 min Scan# 1390
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:149 Resp: 991777

Ion	Ratio	Lower	Upper
149	100		
177	22.5	17.9	26.9
150	12.8	10.2	15.2





#61
4-Chlorophenyl-phenylether
Concen: 39.909 ng
RT: 10.392 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

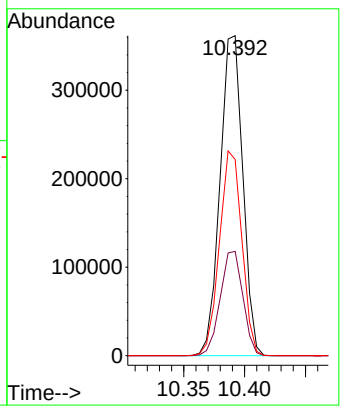
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

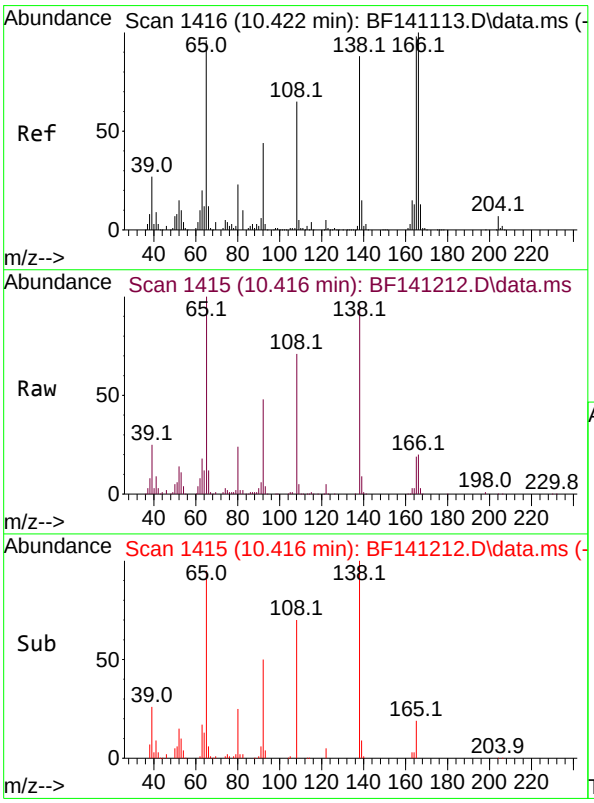
Tgt Ion:204 Resp: 47077

Ion	Ratio	Lower	Upper
204	100		
206	32.6	25.9	38.9
141	61.3	49.1	73.7

Manual Integrations
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Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

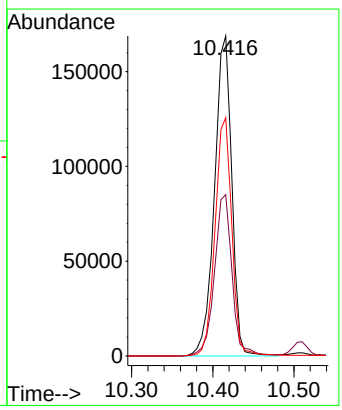


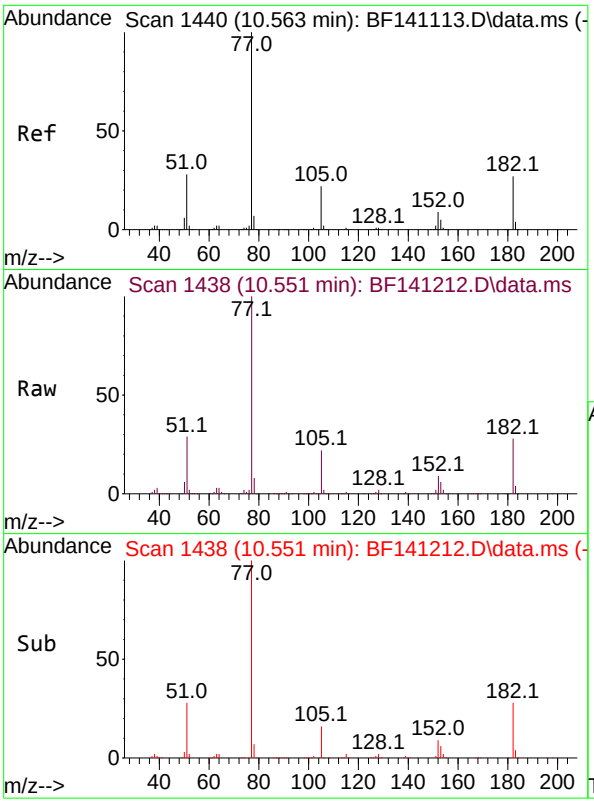


#62
4-Nitroaniline
Concen: 42.436 ng
RT: 10.416 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:138 Resp: 249961

Ion	Ratio	Lower	Upper
138	100		
92	50.4	29.4	69.4
108	74.5	53.7	93.7

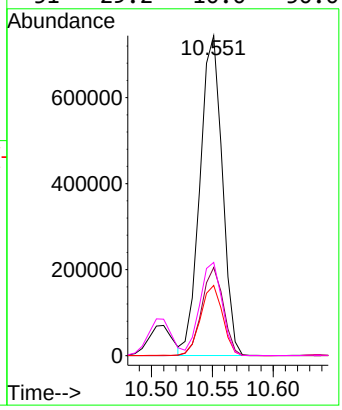




#63
Azobenzene
Concen: 38.592 ng
RT: 10.551 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion: 77 Resp: 94673

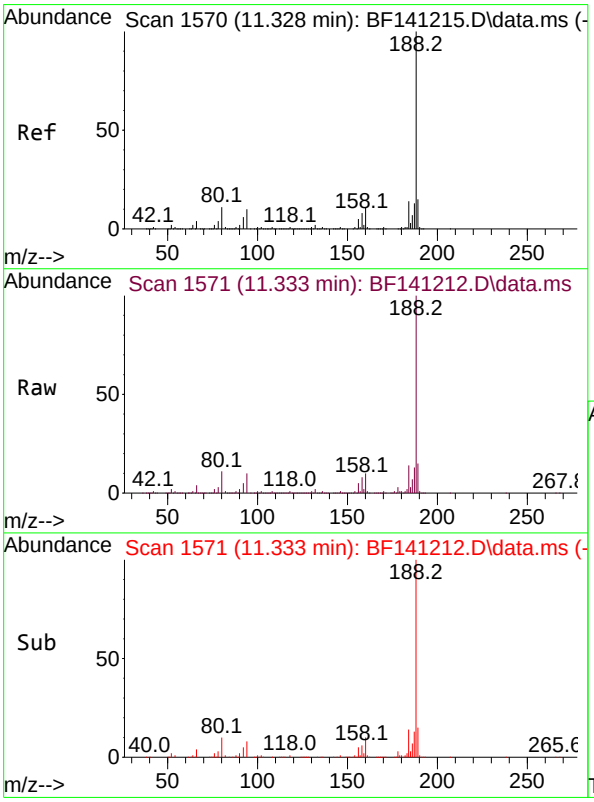
Ion	Ratio	Lower	Upper
77	100		
182	27.6	6.1	46.1
105	21.9	2.1	42.1
51	29.2	10.0	50.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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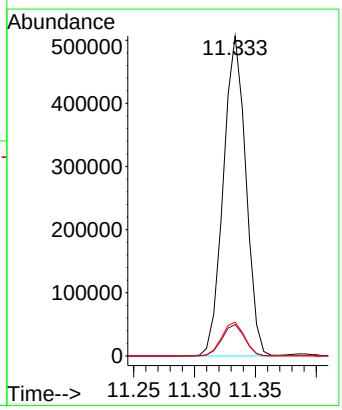
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

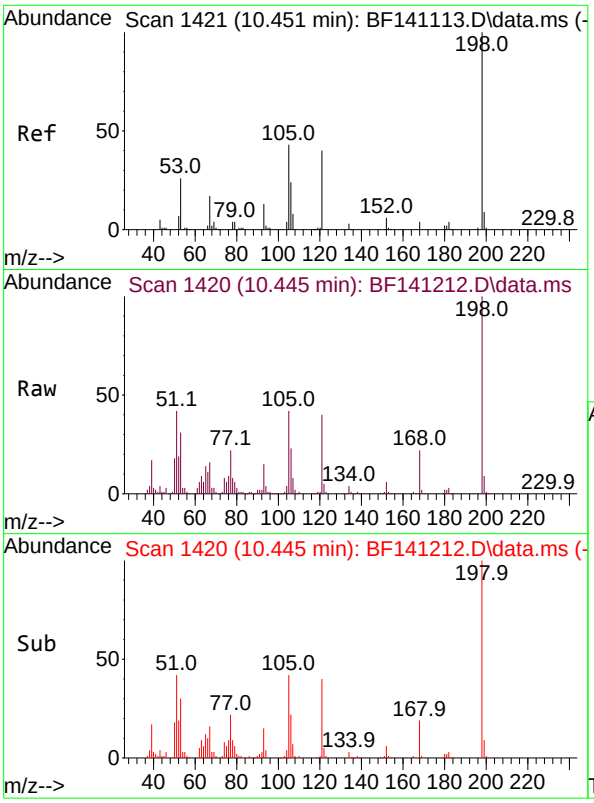


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.333 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:188 Resp: 651777

Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.3	12.5
80	10.6	9.0	13.4

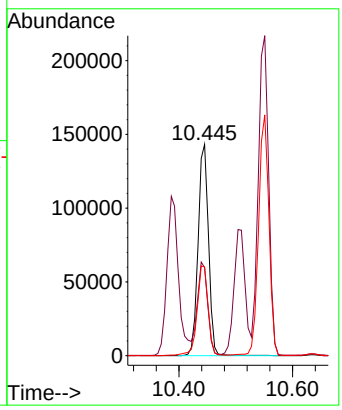




#65
4,6-Dinitro-2-methylphenol
Concen: 48.341 ng
RT: 10.445 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:198 Resp: 18257

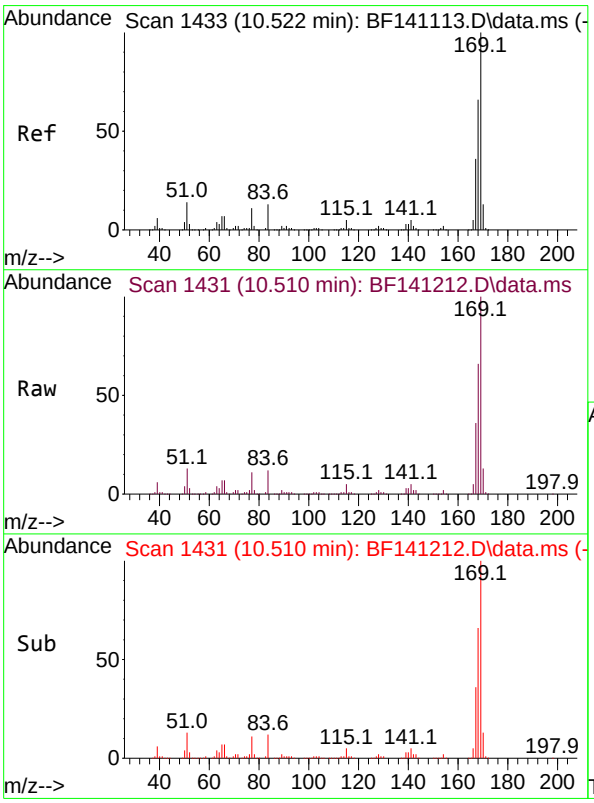
Ion	Ratio	Lower	Upper
198	100		
51	41.7	27.1	67.1
105	41.9	24.2	64.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

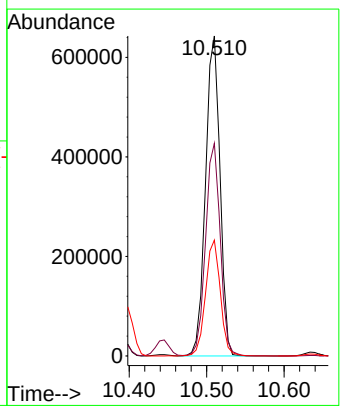
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

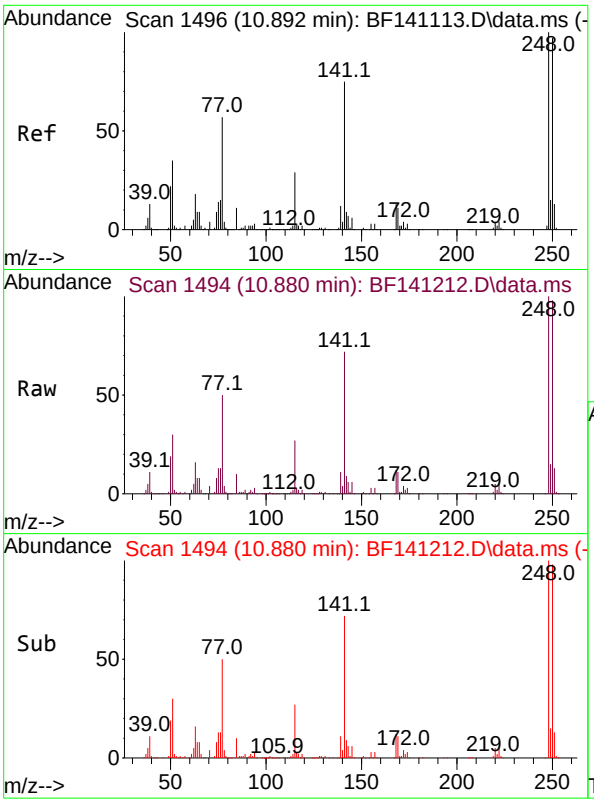


#66
n-Nitrosodiphenylamine
Concen: 39.521 ng
RT: 10.510 min Scan# 1431
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:169 Resp: 830832

Ion	Ratio	Lower	Upper
169	100		
168	66.4	52.5	78.7
167	36.2	28.9	43.3

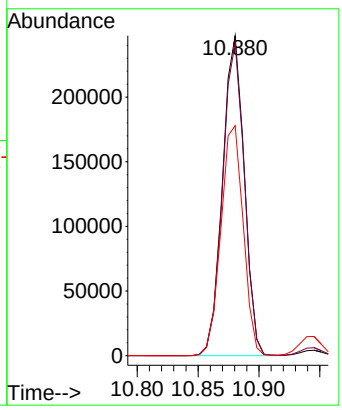




#67
4-Bromophenyl-phenylether
Concen: 40.988 ng
RT: 10.880 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:248 Resp: 30756

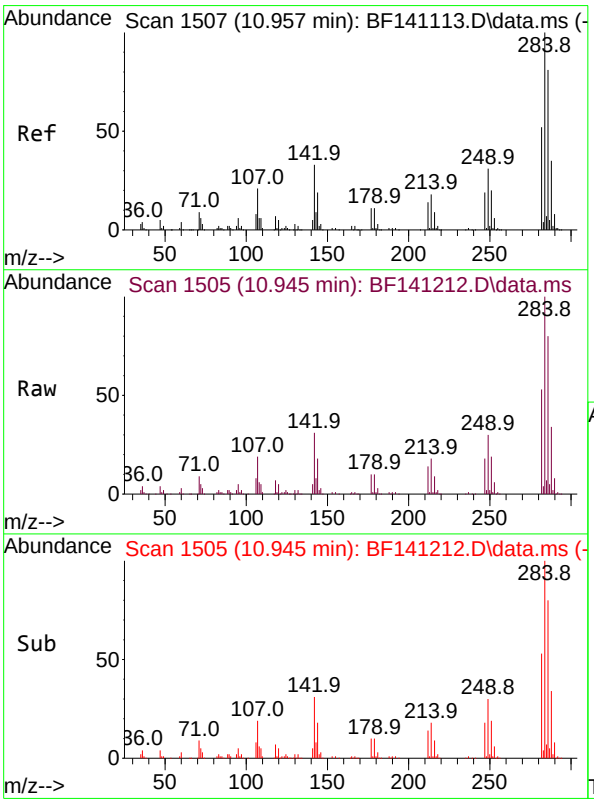
Ion	Ratio	Lower	Upper
248	100		
250	97.8	77.9	116.9
141	71.9	59.9	89.9



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

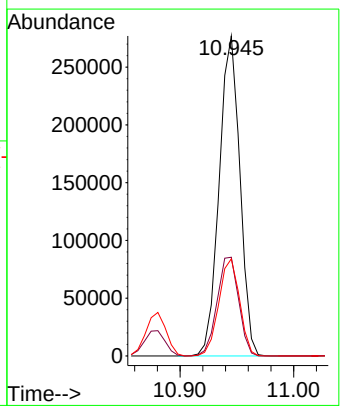
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

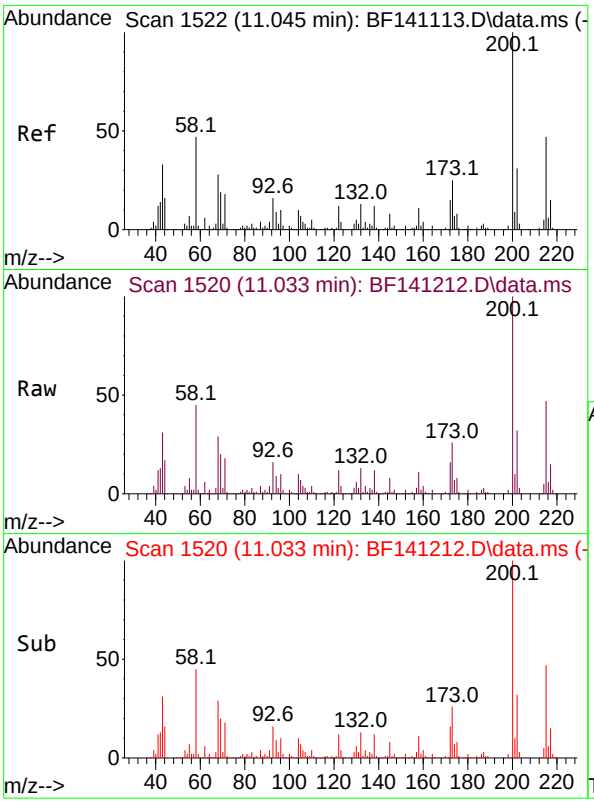


#68
Hexachlorobenzene
Concen: 41.949 ng
RT: 10.945 min Scan# 1505
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:284 Resp: 350408

Ion	Ratio	Lower	Upper
284	100		
142	30.9	26.3	39.5
249	30.4	24.9	37.3





#69
Atrazine
Concen: 45.790 ng
RT: 11.033 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

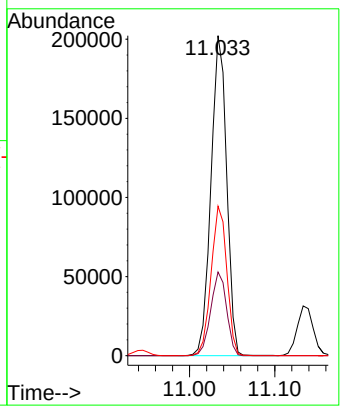
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

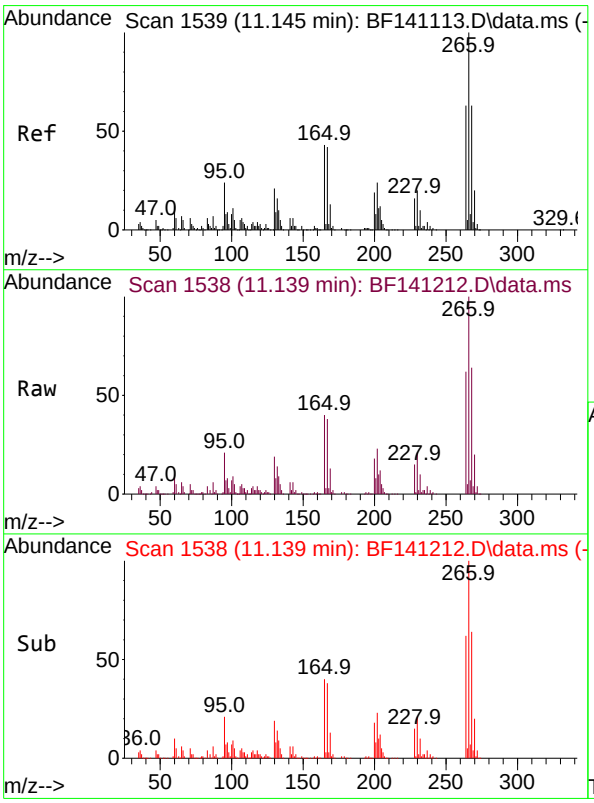
Tgt Ion:200 Resp: 25919

Ion	Ratio	Lower	Upper
200	100		
173	26.2	5.4	45.4
215	46.7	26.6	66.6

Manual Integrations
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Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

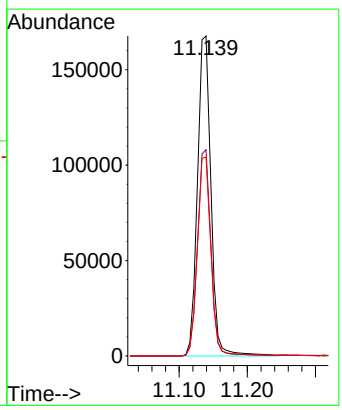


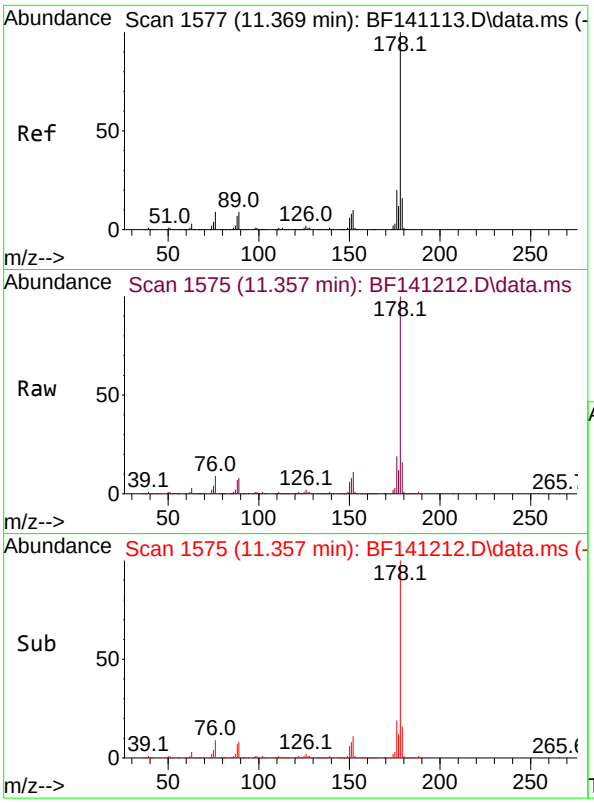


#70
Pentachlorophenol
Concen: 43.036 ng
RT: 11.139 min Scan# 1538
Delta R.T. -0.006 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:266 Resp: 230220

Ion	Ratio	Lower	Upper
266	100		
268	64.5	50.4	75.6
264	62.2	50.2	75.2

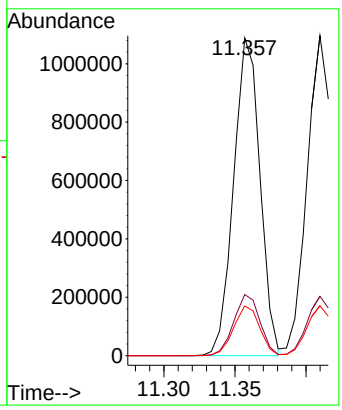




#71
Phenanthrene
Concen: 40.054 ng
RT: 11.357 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:178 Resp: 140154

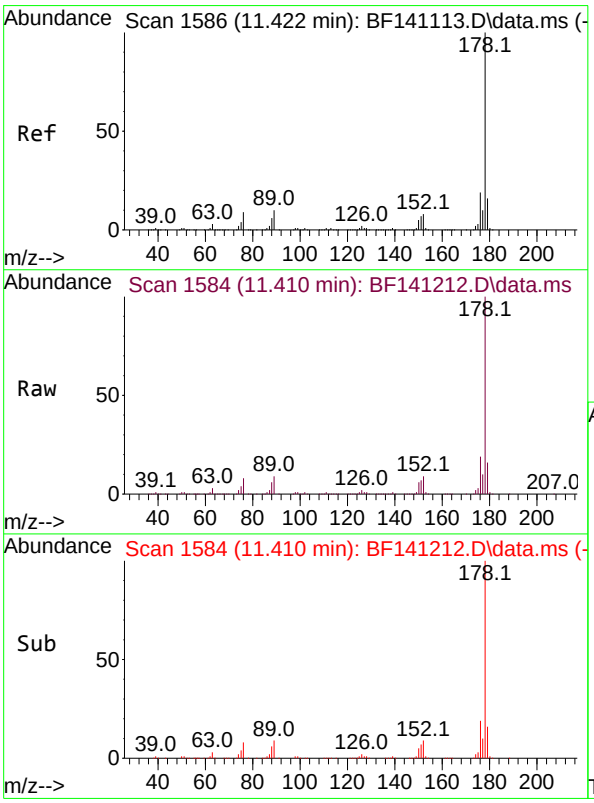
Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.7	23.5
179	15.7	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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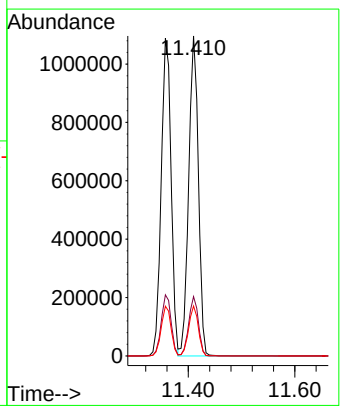
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

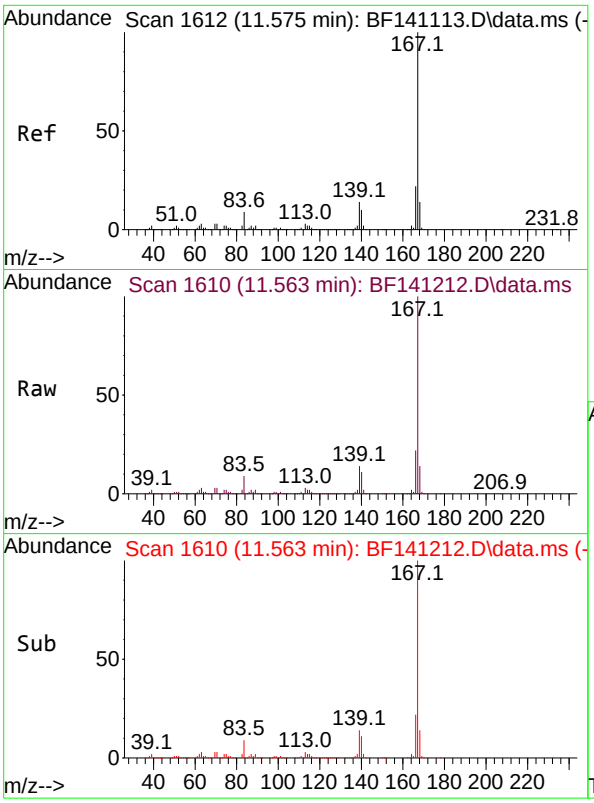


#72
Anthracene
Concen: 40.747 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:178 Resp: 1386401

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.9	22.3
179	15.6	12.6	19.0

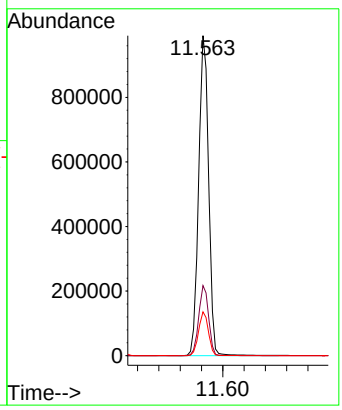




#73
Carbazole
Concen: 41.294 ng
RT: 11.563 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:167 Resp: 128827

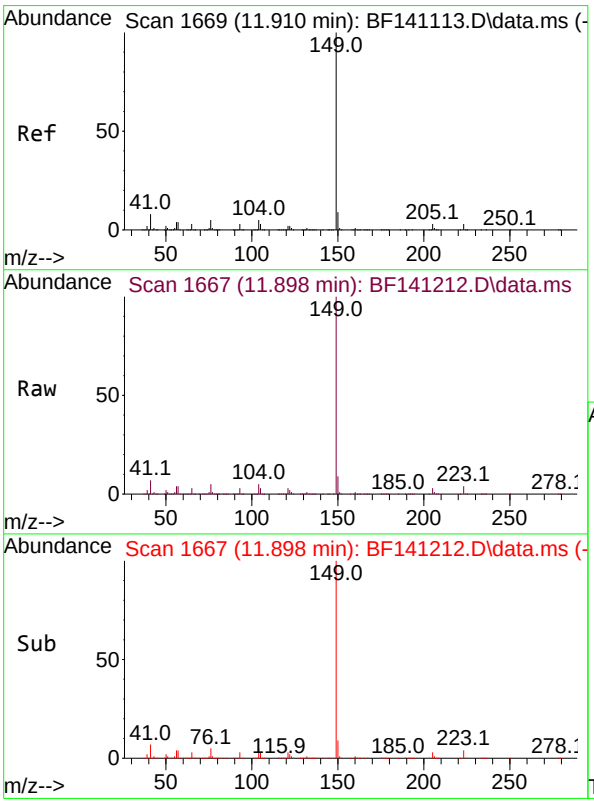
Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.4	26.2
139	13.7	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

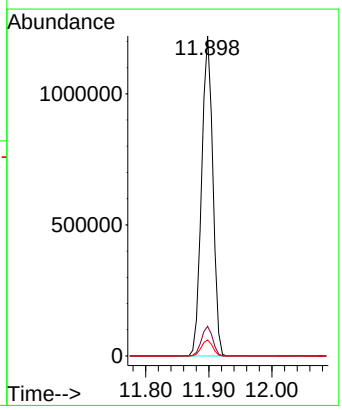
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

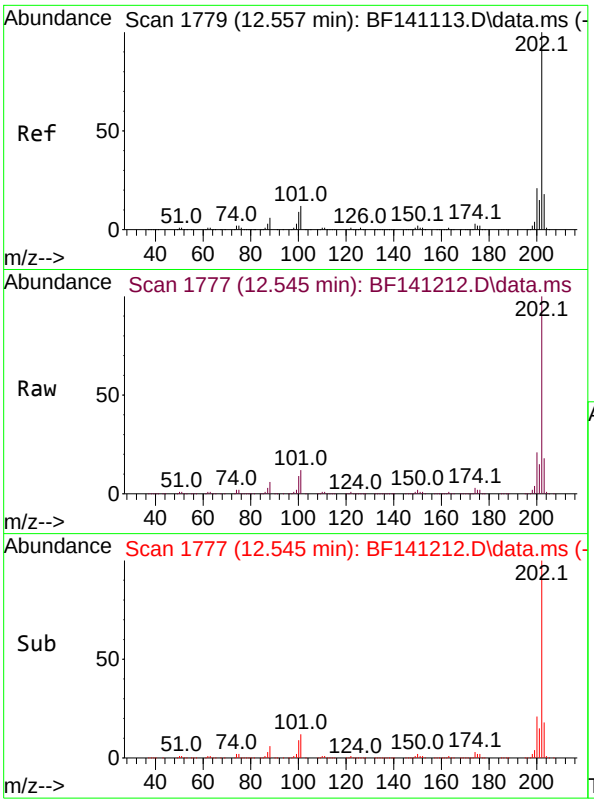


#74
Di-n-butylphthalate
Concen: 42.220 ng
RT: 11.898 min Scan# 1667
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:149 Resp: 1507420

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	5.0	4.2	6.2

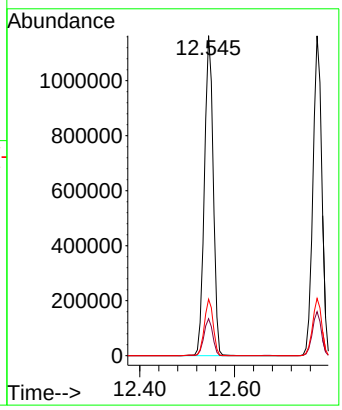




#75
Fluoranthene
Concen: 43.134 ng
RT: 12.545 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:202 Resp: 150619

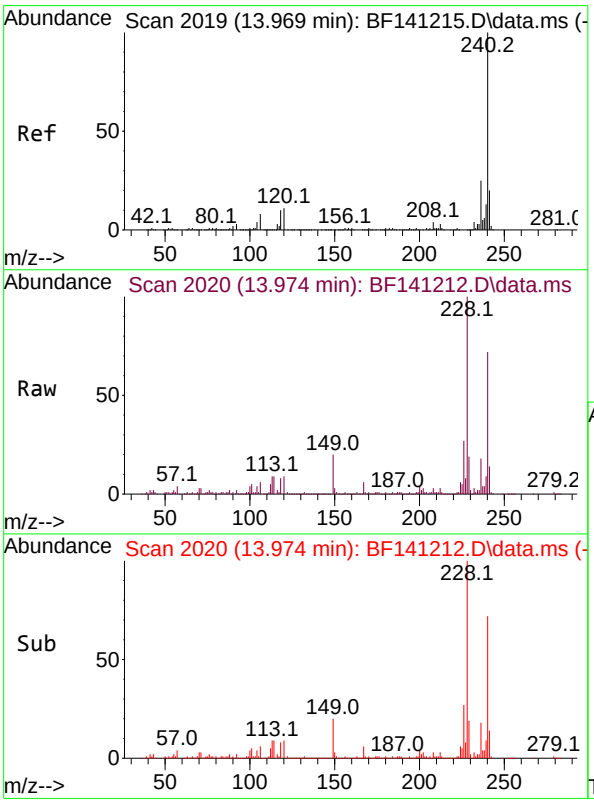
Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	32.3
203	17.6	0.0	37.7



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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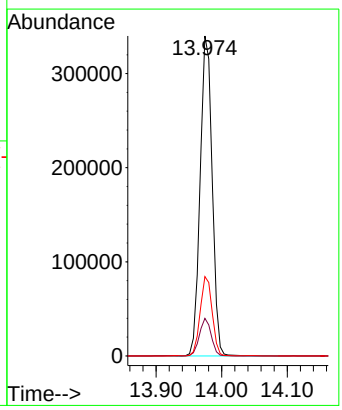
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

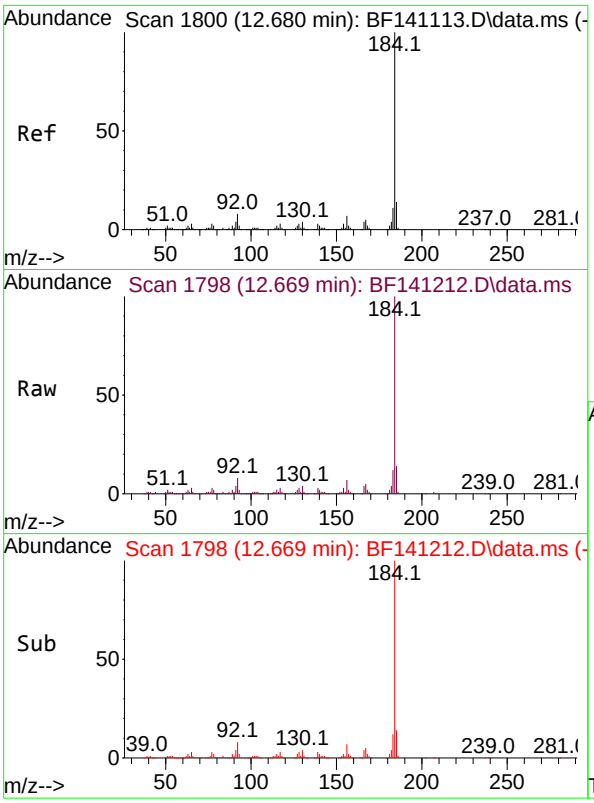


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:240 Resp: 435133

Ion	Ratio	Lower	Upper
240	100		
120	11.8	9.1	13.7
236	24.8	19.8	29.6

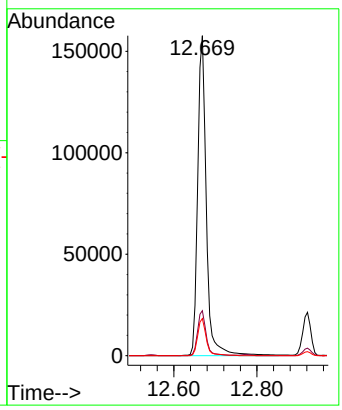




#77
Benzidine
Concen: 28.113 ng
RT: 12.669 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:184 Resp: 22684

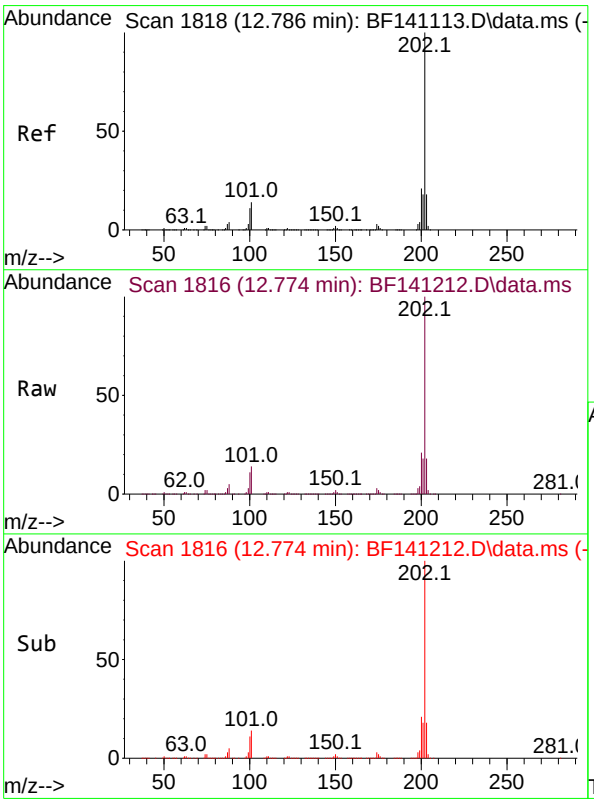
Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.4	17.0
183	11.6	9.2	13.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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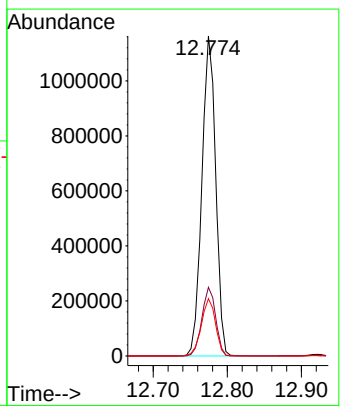
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

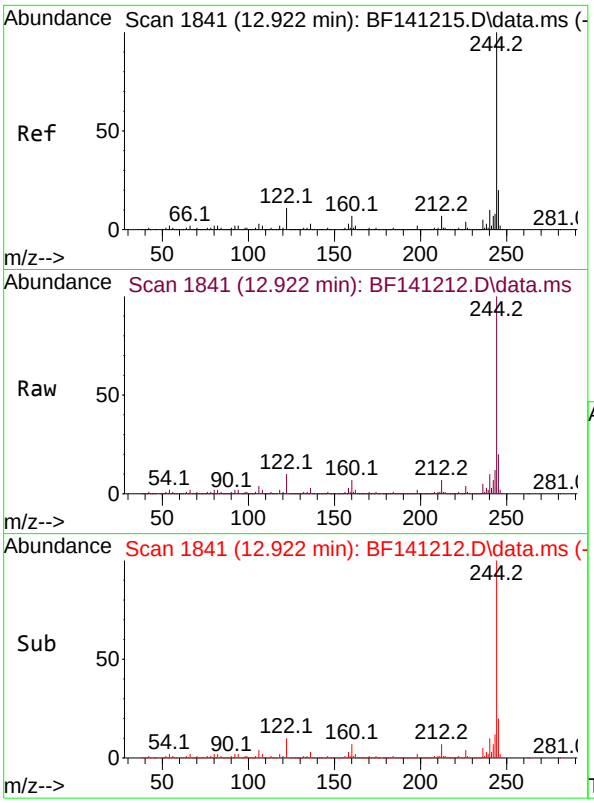


#78
Pyrene
Concen: 36.356 ng
RT: 12.774 min Scan# 1816
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:202 Resp: 1510983

Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.8	25.2
203	17.9	14.3	21.5

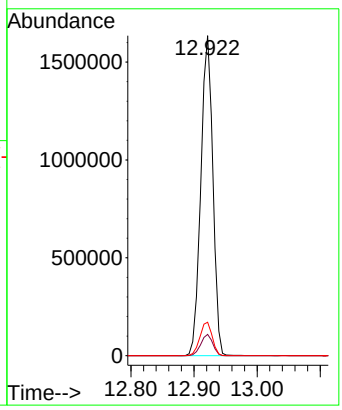




#79
Terphenyl-d14
Concen: 74.080 ng
RT: 12.922 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:244 Resp: 216876

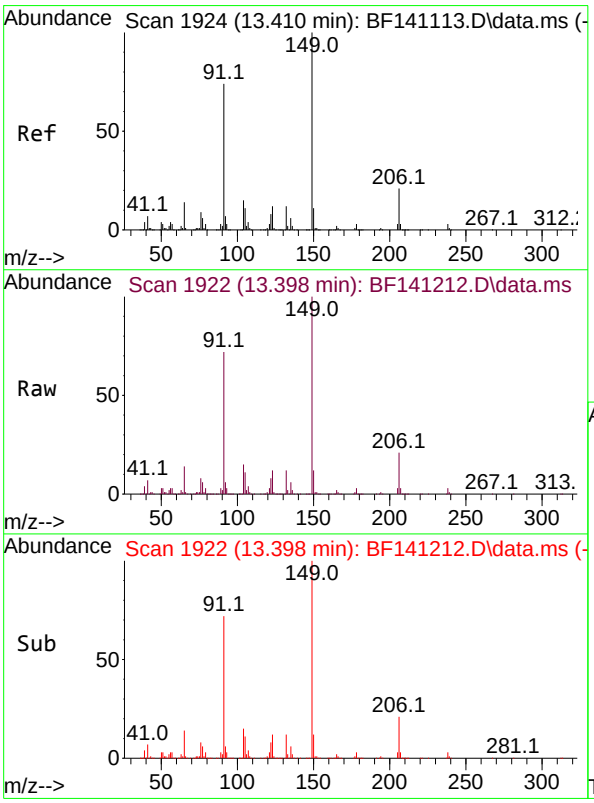
Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.2
122	10.5	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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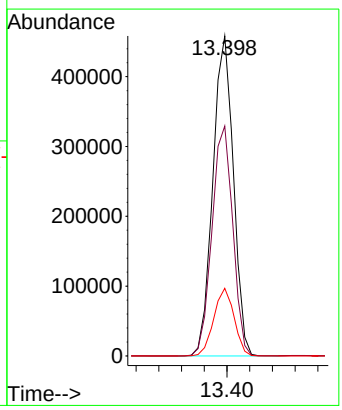
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

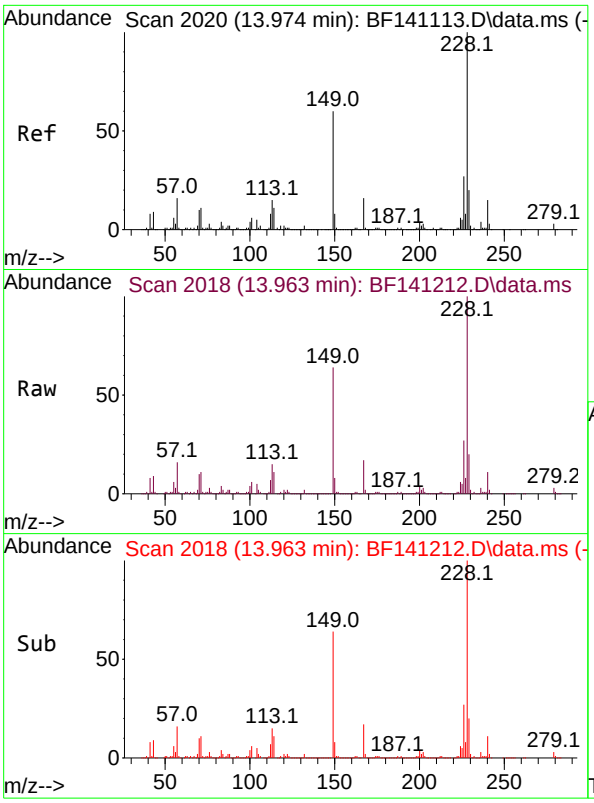


#80
Butylbenzylphthalate
Concen: 41.520 ng
RT: 13.398 min Scan# 1922
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:149 Resp: 575326

Ion	Ratio	Lower	Upper
149	100		
91	71.9	59.0	88.6
206	21.1	16.5	24.7

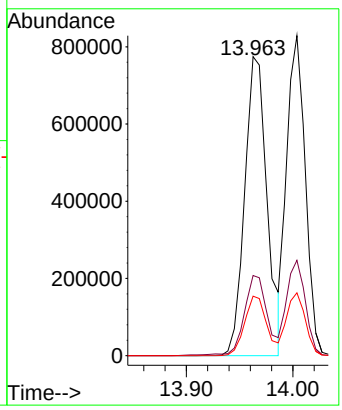




#81
Benzo(a)anthracene
Concen: 38.283 ng
RT: 13.963 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:228 Resp: 113369

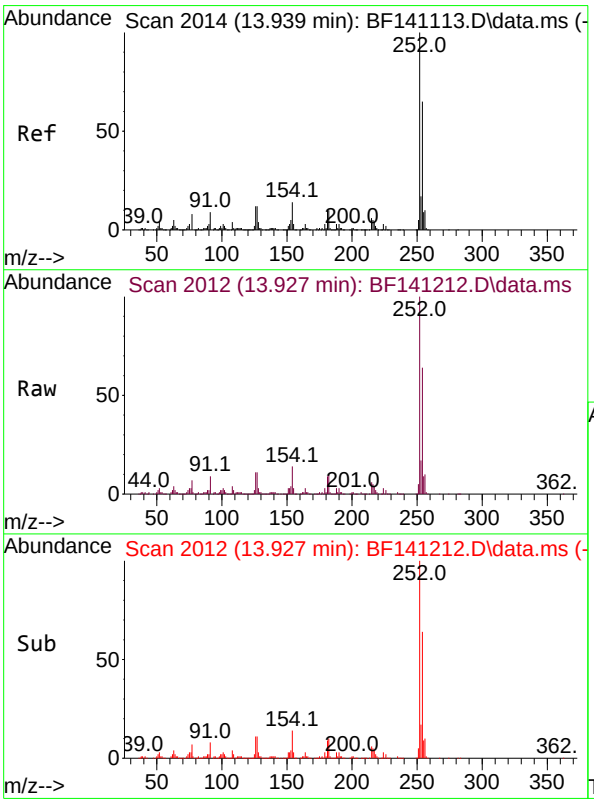
Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.7	32.5
229	19.9	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

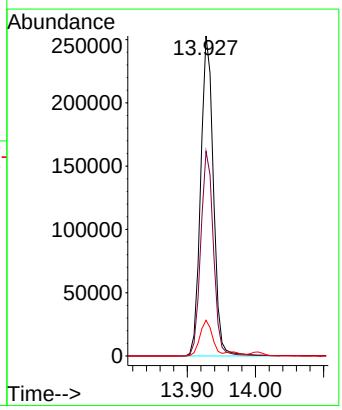
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

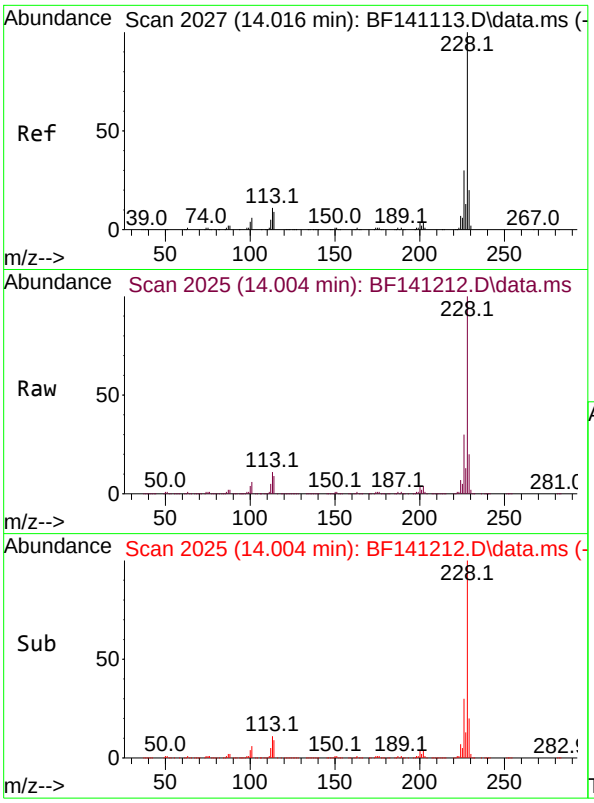


#82
3,3'-Dichlorobenzidine
Concen: 34.842 ng
RT: 13.927 min Scan# 2012
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:252 Resp: 328537

Ion	Ratio	Lower	Upper
252	100		
254	64.0	52.0	78.0
126	11.2	9.4	14.0





#83
Chrysene
Concen: 36.630 ng
RT: 14.004 min Scan# 2(
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

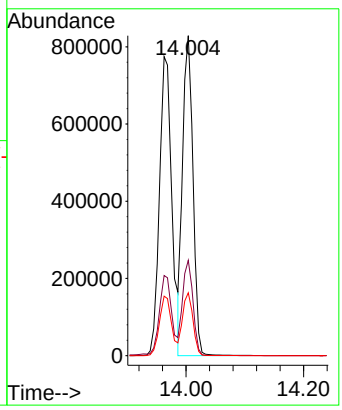
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

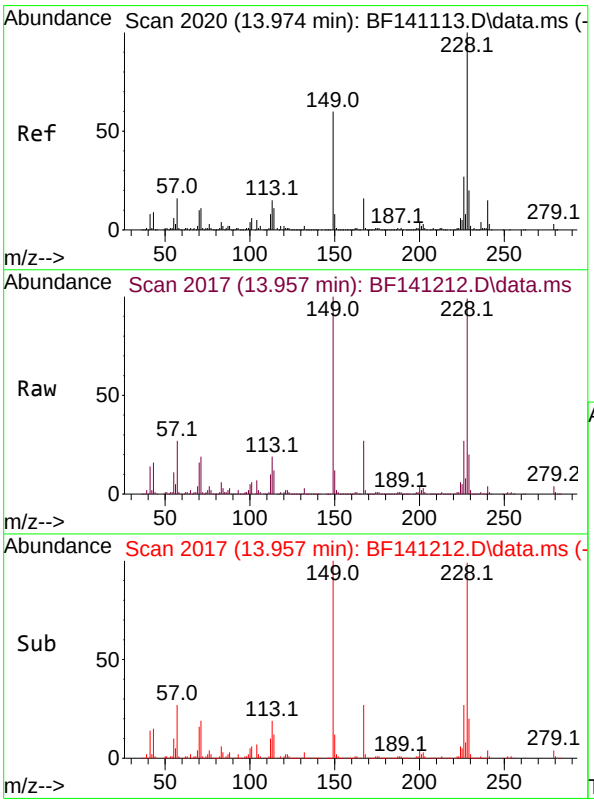
Tgt Ion:228 Resp: 101499

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.8	35.8
229	19.7	15.8	23.8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

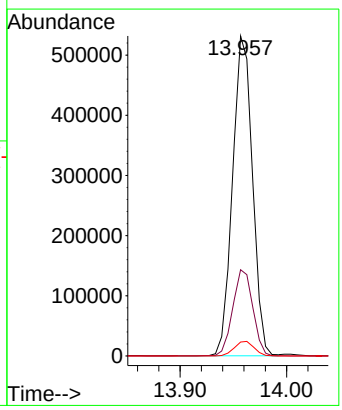


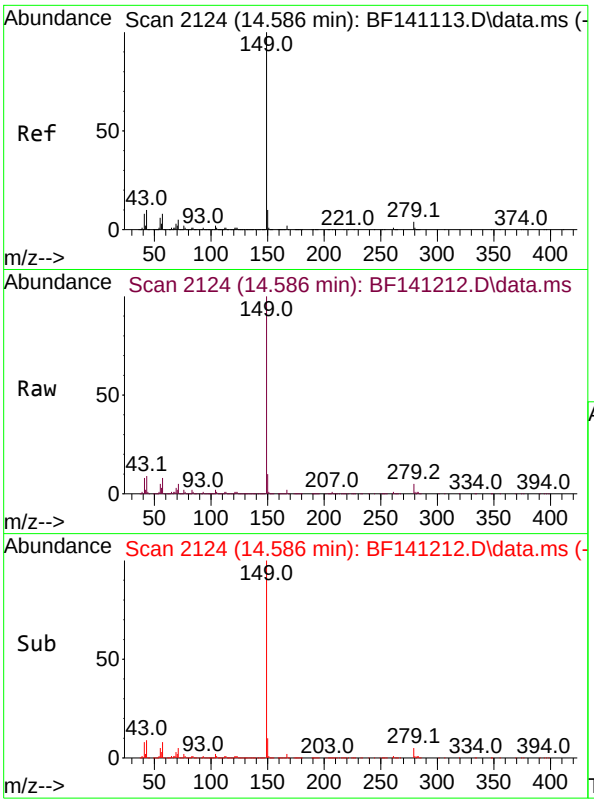


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.510 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.018 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:149 Resp: 690140

Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.4	32.2
279	4.4	3.4	5.2

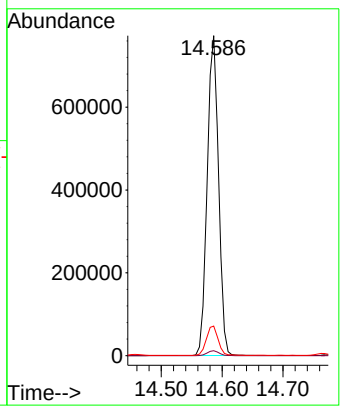




#85
Di-n-octyl phthalate
Concen: 39.765 ng
RT: 14.586 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:149 Resp: 99834

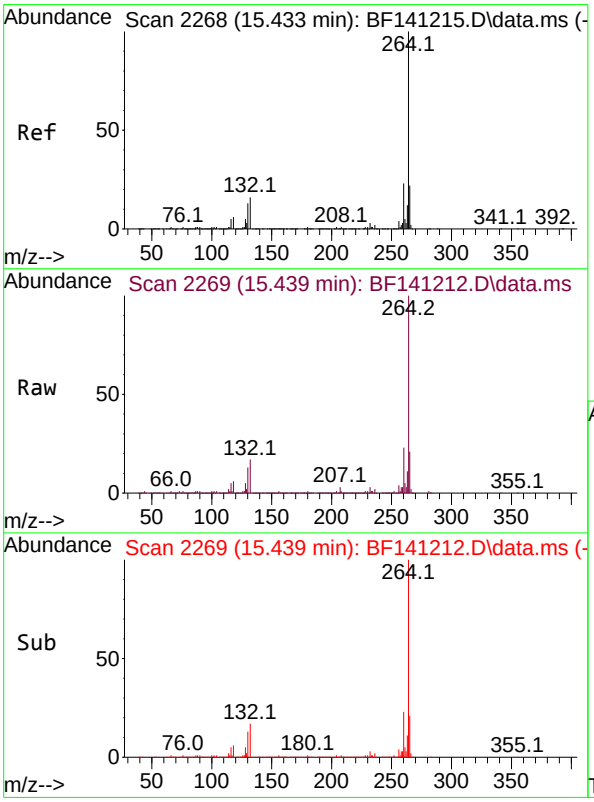
Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.3	1.9
43	9.6	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

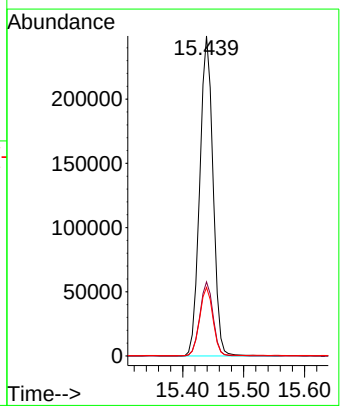
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

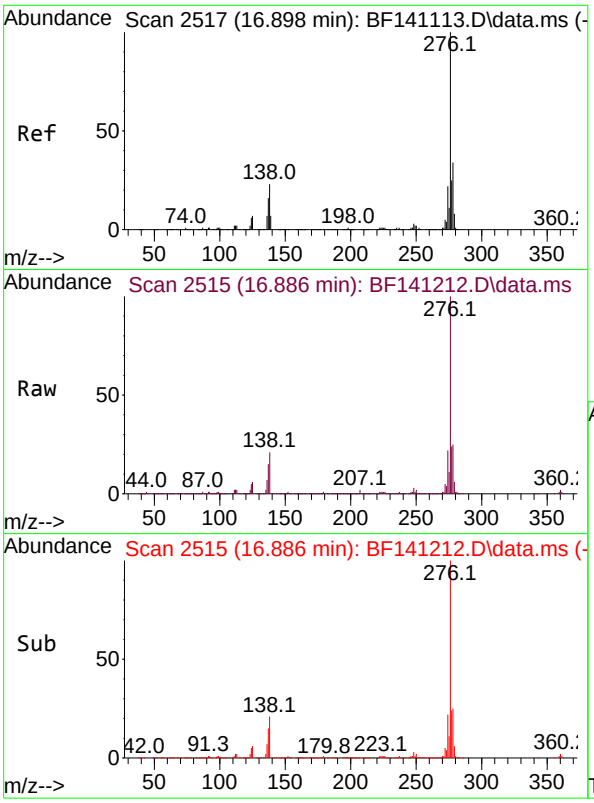


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:264 Resp: 378255

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.6	28.0
265	21.4	17.4	26.0

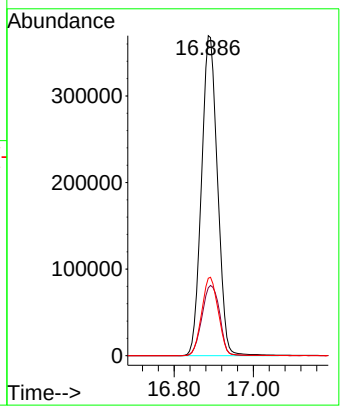




#87
Indeno(1,2,3-cd)pyrene
Concen: 37.377 ng
RT: 16.886 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:276 Resp: 103578

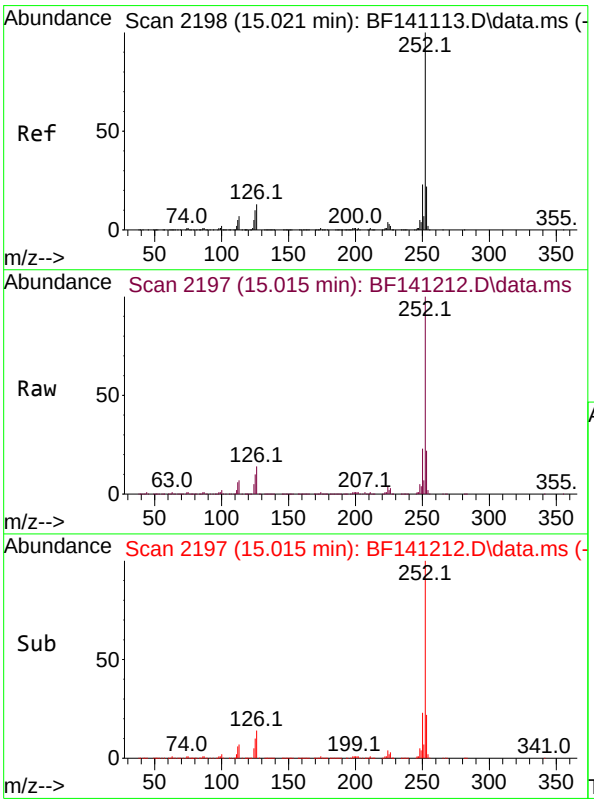
Ion	Ratio	Lower	Upper
276	100		
138	24.2	20.7	31.1
277	25.3	20.6	30.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

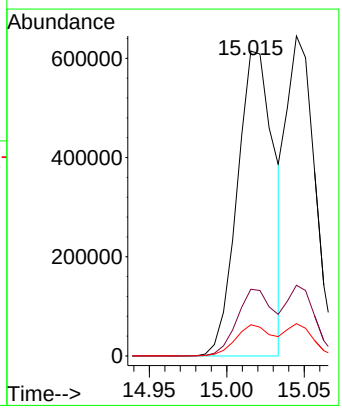
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

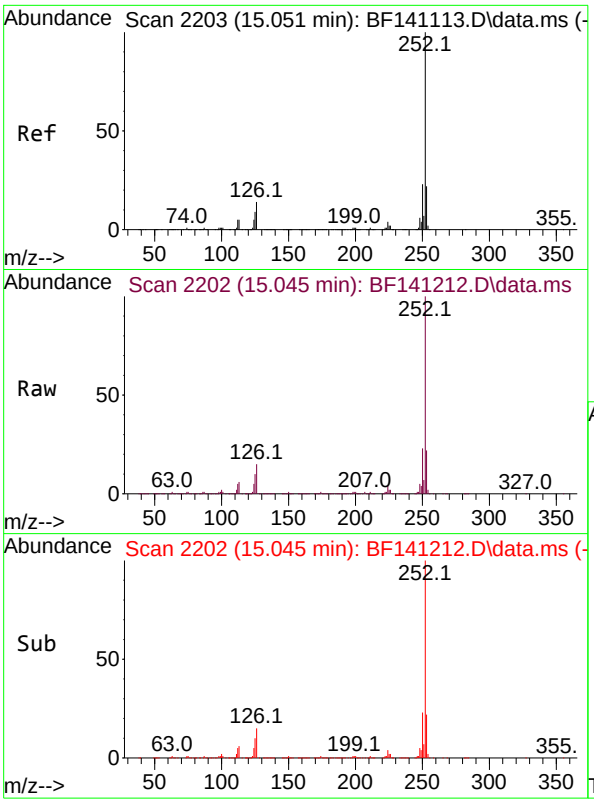


#88
Benzo(b)fluoranthene
Concen: 41.435 ng
RT: 15.015 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:252 Resp: 1010647

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.6
125	10.2	8.1	12.1

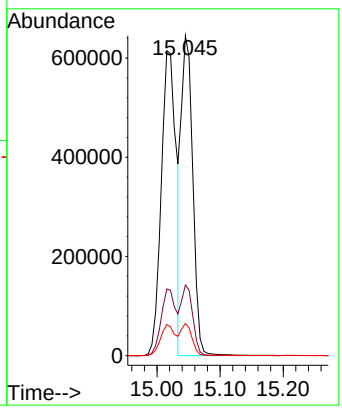




#89
Benzo(k)fluoranthene
Concen: 39.784 ng
RT: 15.045 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:252 Resp: 82004

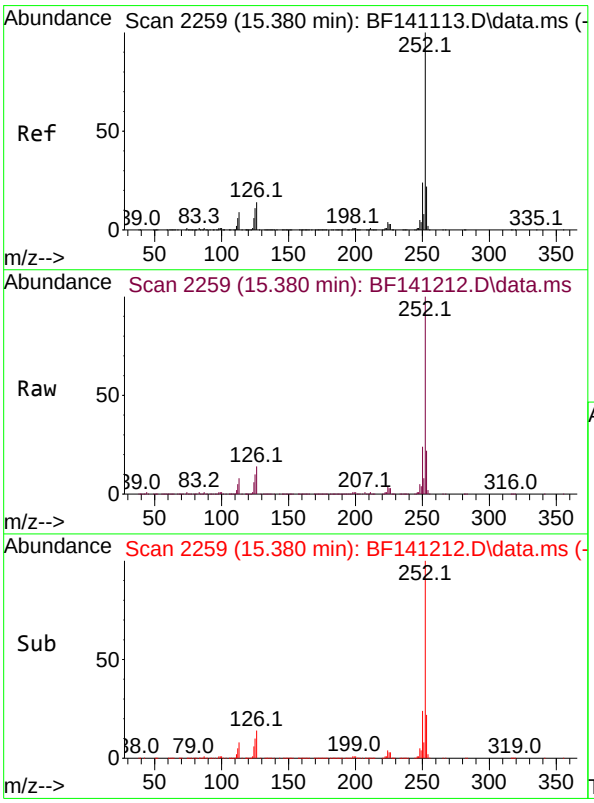
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8
125	10.1	7.9	11.9



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

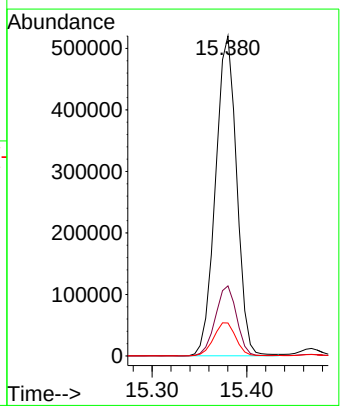
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

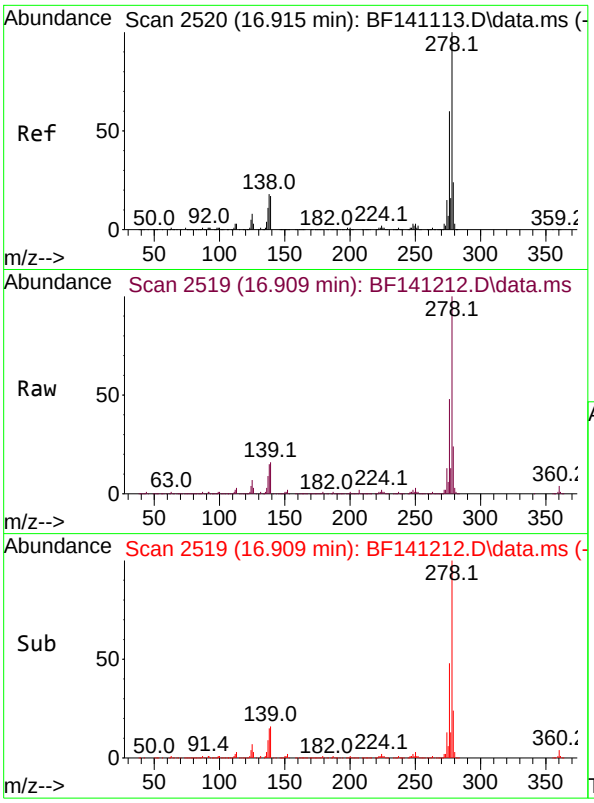


#90
Benzo(a)pyrene
Concen: 40.203 ng
RT: 15.380 min Scan# 2259
Delta R.T. 0.000 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:252 Resp: 809044

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	10.3	9.1	13.7

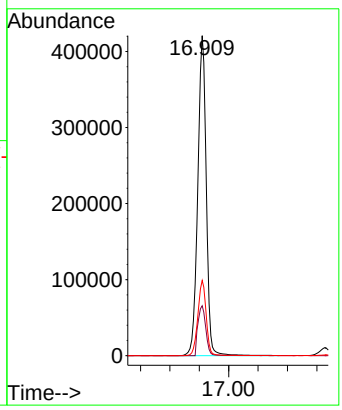




#91
Dibenzo(a,h)anthracene
Concen: 37.699 ng
RT: 16.909 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:278 Resp: 84496

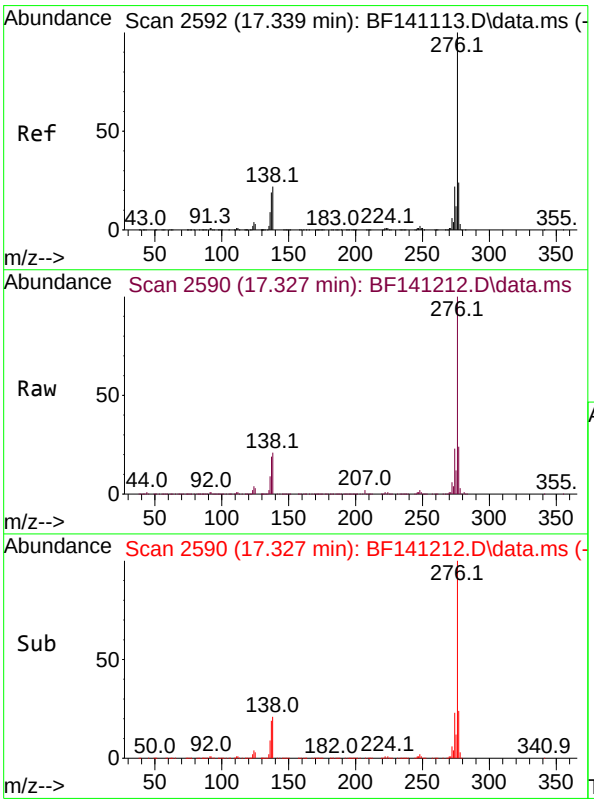
Ion	Ratio	Lower	Upper
278	100		
139	15.6	13.8	20.6
279	23.5	19.1	28.7



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

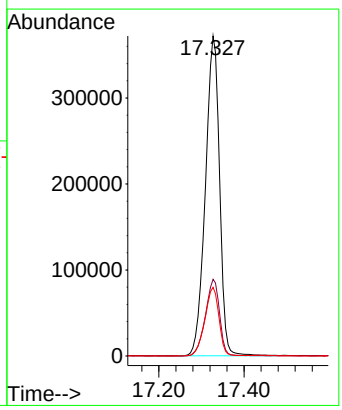
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#92
Benzo(g,h,i)perylene
Concen: 36.788 ng
RT: 17.327 min Scan# 2590
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:276 Resp: 857662

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.0	28.4
138	21.5	17.4	26.2



Sample Results: **BF141212.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141212.D
Acq On : 20 Jan 2025 10:37
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jan 20 11:30:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	-0.01
2		1,4-Dioxane	0.577	0.544	5.7	97	-0.02
3		Pyridine	1.414	1.277	9.7	95	-0.02
4		n-Nitrosodimethylamine	0.691	0.649	6.1	96	-0.02
5	S	2-Fluorophenol	1.295	1.234	4.7	100	-0.01
6		Aniline	1.456	1.201	17.5	85	-0.01
7	S	Phenol-d6	1.640	1.572	4.1	101	0.00
8		2-Chlorophenol	1.389	1.356	2.4	102	0.00
9		Benzaldehyde	0.966	1.104	-14.3	131	0.00
10	C	Phenol	1.756	1.659	5.5	98	0.00
11		bis(2-Chloroethyl)ether	1.308	1.256	4.0	101	0.00
12		1,3-Dichlorobenzene	1.549	1.533	1.0	105	-0.01
13	C	1,4-Dichlorobenzene	1.561	1.522	2.5	102	-0.01
14		1,2-Dichlorobenzene	1.456	1.425	2.1	104	-0.01
15		Benzyl Alcohol	1.184	1.165	1.6	101	-0.01
16		2,2'-oxybis(1-Chloropropane	1.826	1.644	10.0	94	-0.01
17		2-Methylphenol	1.121	1.090	2.8	101	0.00
18		Hexachloroethane	0.565	0.552	2.3	101	-0.01
19	P	n-Nitroso-di-n-propylamine	0.966	0.910	5.8	101	0.00
20		3+4-Methylphenols	1.415	1.363	3.7	100	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	100	-0.01
22		Acetophenone	0.475	0.460	3.2	104	-0.01
23	S	Nitrobenzene-d5	0.377	0.372	1.3	102	-0.01
24		Nitrobenzene	0.393	0.384	2.3	102	0.00
25		Isophorone	0.645	0.635	1.6	103	0.00
26	C	2-Nitrophenol	0.179	0.188	-5.0	105	-0.01
27		2,4-Dimethylphenol	0.241	0.238	1.2	101	0.00
28		bis(2-Chloroethoxy)methane	0.405	0.395	2.5	102	0.00
29	C	2,4-Dichlorophenol	0.287	0.291	-1.4	105	0.00
30		1,2,4-Trichlorobenzene	0.328	0.326	0.6	104	-0.01
31		Naphthalene	1.055	1.037	1.7	104	-0.01
32		Benzoic acid	0.231	0.251	-8.7	106	0.00
33		4-Chloroaniline	0.365	0.318	12.9	92	0.00
34	C	Hexachlorobutadiene	0.197	0.198	-0.5	105	-0.01
35		Caprolactam	0.094	0.094	0.0	104	-0.01
36	C	4-Chloro-3-methylphenol	0.313	0.319	-1.9	106	0.00
37		2-Methylnaphthalene	0.672	0.666	0.9	104	-0.01
38		1-Methylnaphthalene	0.662	0.654	1.2	105	-0.01
39	I	Acenaphthene-d10	1.000	1.000	0.0	104	-0.01
40		1,2,4,5-Tetrachlorobenzene	0.574	0.569	0.9	107	-0.01
41	P	Hexachlorocyclopentadiene	0.188	0.196	-4.3	102	-0.01
42	S	2,4,6-Tribromophenol	0.228	0.244	-7.0	116	-0.01
43	C	2,4,6-Trichlorophenol	0.387	0.400	-3.4	110	-0.01
44		2,4,5-Trichlorophenol	0.409	0.408	0.2	106	0.00
45	S	2-Fluorobiphenyl	1.310	1.265	3.4	108	-0.01
46		1,1'-Biphenyl	1.553	1.513	2.6	106	-0.01
47		2-Chloronaphthalene	1.210	1.184	2.1	106	-0.01

Sample Results: **BF141212.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141212.D
Acq On : 20 Jan 2025 10:37
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jan 20 11:30:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.359	0.356	0.8	106	-0.01
49		Acenaphthylene	1.728	1.693	2.0	106	-0.01
50		Dimethylphthalate	1.343	1.332	0.8	107	0.00
51		2,6-Dinitrotoluene	0.312	0.314	-0.6	105	-0.01
52	C	Acenaphthene	1.208	1.205	0.2	108	-0.01
53		3-Nitroaniline	0.317	0.321	-1.3	106	-0.01
54	P	2,4-Dinitrophenol	0.148	0.172	-16.2	115	-0.01
55		Dibenzofuran	1.642	1.608	2.1	106	-0.01
56	P	4-Nitrophenol	0.248	0.262	-5.6	109	0.00
57		2,4-Dinitrotoluene	0.402	0.422	-5.0	111	-0.01
58		Fluorene	1.276	1.259	1.3	110	-0.01
59		2,3,4,6-Tetrachlorophenol	0.340	0.349	-2.6	110	-0.01
60		Diethylphthalate	1.311	1.307	0.3	109	-0.01
61		4-Chlorophenyl-phenylether	0.622	0.621	0.2	109	-0.01
62		4-Nitroaniline	0.311	0.329	-5.8	114	0.00
63		Azobenzene	1.293	1.248	3.5	105	-0.01
64	I	Phenanthrene-d10	1.000	1.000	0.0	111	-0.01
65		4,6-Dinitro-2-methylphenol	0.116	0.140	-20.7	120	0.00
66	c	n-Nitrosodiphenylamine	0.645	0.637	1.2	108	-0.01
67		4-Bromophenyl-phenylether	0.230	0.236	-2.6	113	-0.01
68		Hexachlorobenzene	0.256	0.269	-5.1	116	-0.01
69		Atrazine	0.174	0.199	-14.4	156#	-0.01
70	C	Pentachlorophenol	0.164	0.177	-7.9	113	0.00
71		Phenanthrene	1.074	1.075	-0.1	112	-0.01
72		Anthracene	1.044	1.064	-1.9	113	-0.01
73		Carbazole	0.957	0.988	-3.2	116	-0.01
74		Di-n-butylphthalate	1.096	1.156	-5.5	118	-0.01
75	C	Fluoranthene	1.071	1.155	-7.8	123	-0.01
76	I	Chrysene-d12	1.000	1.000	0.0	133	-0.01
77		Benzidine	0.371	0.261	29.6#	85	-0.01
78		Pyrene	1.910	1.736	9.1	125	-0.01
79	S	Terphenyl-d14	1.346	1.246	7.4	130	-0.01
80		Butylbenzylphthalate	0.637	0.661	-3.8	143	-0.01
81		Benzo(a)anthracene	1.361	1.303	4.3	139	-0.01
82		3,3'-Dichlorobenzidine	0.433	0.378	12.7	120	-0.01
83		Chrysene	1.274	1.166	8.5	128	-0.01
84		Bis(2-ethylhexyl)phthalate	0.764	0.793	-3.8	145	-0.02
85	c	Di-n-octyl phthalate	1.154	1.147	0.6	132	0.00
86	I	Perylene-d12	1.000	1.000	0.0	106	0.00
87		Indeno(1,2,3-cd)pyrene	1.465	1.369	6.6	99	-0.01
88		Benzo(b)fluoranthene	1.290	1.336	-3.6	118	0.00
89		Benzo(k)fluoranthene	1.090	1.084	0.6	110	0.00
90	C	Benzo(a)pyrene	1.064	1.069	-0.5	109	0.00
91		Dibenzo(a,h)anthracene	1.185	1.117	5.7	99	0.00
92		Benzo(g,h,i)perylene	1.233	1.134	8.0	95	-0.01

Sample Results: **BF141212.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141212.D
Acq On : 20 Jan 2025 10:37
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jan 20 11:30:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Sample Results: **BF141212.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141212.D
Acq On : 20 Jan 2025 10:37
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jan 20 11:30:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	101	-0.01
2		1,4-Dioxane	40.000	37.737	5.7	97	-0.02
3		Pyridine	40.000	36.137	9.7	95	-0.02
4		n-Nitrosodimethylamine	40.000	37.561	6.1	96	-0.02
5	S	2-Fluorophenol	80.000	76.264	4.7	100	-0.01
6		Aniline	40.000	32.996	17.5	85	-0.01
7	S	Phenol-d6	80.000	76.672	4.2	101	0.00
8		2-Chlorophenol	40.000	39.055	2.4	102	0.00
9		Benzaldehyde	40.000	45.735	-14.3	131	0.00
10	C	Phenol	40.000	37.794	5.5	98	0.00
11		bis(2-Chloroethyl)ether	40.000	38.405	4.0	101	0.00
12		1,3-Dichlorobenzene	40.000	39.571	1.1	105	-0.01
13	C	1,4-Dichlorobenzene	40.000	39.008	2.5	102	-0.01
14		1,2-Dichlorobenzene	40.000	39.132	2.2	104	-0.01
15		Benzyl Alcohol	40.000	39.357	1.6	101	-0.01
16		2,2'-oxybis(1-Chloropropane	40.000	36.020	9.9	94	-0.01
17		2-Methylphenol	40.000	38.876	2.8	101	0.00
18		Hexachloroethane	40.000	39.109	2.2	101	-0.01
19	P	n-Nitroso-di-n-propylamine	40.000	37.682	5.8	101	0.00
20		3+4-Methylphenols	40.000	38.549	3.6	100	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	100	-0.01
22		Acetophenone	40.000	38.705	3.2	104	-0.01
23	S	Nitrobenzene-d5	80.000	78.878	1.4	102	-0.01
24		Nitrobenzene	40.000	39.074	2.3	102	0.00
25		Isophorone	40.000	39.362	1.6	103	0.00
26	C	2-Nitrophenol	40.000	41.973	-4.9	105	-0.01
27		2,4-Dimethylphenol	40.000	39.434	1.4	101	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.065	2.3	102	0.00
29	C	2,4-Dichlorophenol	40.000	40.674	-1.7	105	0.00
30		1,2,4-Trichlorobenzene	40.000	39.859	0.4	104	-0.01
31		Naphthalene	40.000	39.335	1.7	104	-0.01
32		Benzoic acid	40.000	43.391	-8.5	106	0.00
33		4-Chloroaniline	40.000	34.865	12.8	92	0.00
34	C	Hexachlorobutadiene	40.000	40.119	-0.3	105	-0.01
35		Caprolactam	40.000	40.107	-0.3	104	-0.01
36	C	4-Chloro-3-methylphenol	40.000	40.655	-1.6	106	0.00
37		2-Methylnaphthalene	40.000	39.636	0.9	104	-0.01
38		1-Methylnaphthalene	40.000	39.518	1.2	105	-0.01
39	I	Acenaphthene-d10	20.000	20.000	0.0	104	-0.01
40		1,2,4,5-Tetrachlorobenzene	40.000	39.665	0.8	107	-0.01
41	P	Hexachlorocyclopentadiene	40.000	41.678	-4.2	102	-0.01
42	S	2,4,6-Tribromophenol	80.000	85.576	-7.0	116	-0.01
43	C	2,4,6-Trichlorophenol	40.000	41.342	-3.4	110	-0.01
44		2,4,5-Trichlorophenol	40.000	39.913	0.2	106	0.00
45	S	2-Fluorobiphenyl	80.000	77.274	3.4	108	-0.01
46		1,1'-Biphenyl	40.000	38.962	2.6	106	-0.01
47		2-Chloronaphthalene	40.000	39.150	2.1	106	-0.01

Sample Results: **BF141212.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141212.D
Acq On : 20 Jan 2025 10:37
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jan 20 11:30:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	39.694	0.8	106	-0.01
49		Acenaphthylene	40.000	39.180	2.1	106	-0.01
50		Dimethylphthalate	40.000	39.677	0.8	107	0.00
51		2,6-Dinitrotoluene	40.000	40.283	-0.7	105	-0.01
52	C	Acenaphthene	40.000	39.925	0.2	108	-0.01
53		3-Nitroaniline	40.000	40.490	-1.2	106	-0.01
54	P	2,4-Dinitrophenol	40.000	46.326	-15.8	115	-0.01
55		Dibenzofuran	40.000	39.152	2.1	106	-0.01
56	P	4-Nitrophenol	40.000	42.217	-5.5	109	0.00
57		2,4-Dinitrotoluene	40.000	41.969	-4.9	111	-0.01
58		Fluorene	40.000	39.463	1.3	110	-0.01
59		2,3,4,6-Tetrachlorophenol	40.000	41.061	-2.7	110	-0.01
60		Diethylphthalate	40.000	39.892	0.3	109	-0.01
61		4-Chlorophenyl-phenylether	40.000	39.909	0.2	109	-0.01
62		4-Nitroaniline	40.000	42.436	-6.1	114	0.00
63		Azobenzene	40.000	38.592	3.5	105	-0.01
64	I	Phenanthrene-d10	20.000	20.000	0.0	111	-0.01
65		4,6-Dinitro-2-methylphenol	40.000	48.341	-20.9	120	0.00
66	c	n-Nitrosodiphenylamine	40.000	39.521	1.2	108	-0.01
67		4-Bromophenyl-phenylether	40.000	40.988	-2.5	113	-0.01
68		Hexachlorobenzene	40.000	41.949	-4.9	116	-0.01
69		Atrazine	40.000	45.790	-14.5	156	-0.01
70	C	Pentachlorophenol	40.000	43.036	-7.6	113	0.00
71		Phenanthrene	40.000	40.054	-0.1	112	-0.01
72		Anthracene	40.000	40.747	-1.9	113	-0.01
73		Carbazole	40.000	41.294	-3.2	116	-0.01
74		Di-n-butylphthalate	40.000	42.220	-5.5	118	-0.01
75	C	Fluoranthene	40.000	43.134	-7.8	123	-0.01
76	I	Chrysene-d12	20.000	20.000	0.0	133	-0.01
77		Benzidine	40.000	28.113	29.7#	85	-0.01
78		Pyrene	40.000	36.356	9.1	125	-0.01
79	S	Terphenyl-d14	80.000	74.080	7.4	130	-0.01
80		Butylbenzylphthalate	40.000	41.520	-3.8	143	-0.01
81		Benzo(a)anthracene	40.000	38.283	4.3	139	-0.01
82		3,3'-Dichlorobenzidine	40.000	34.842	12.9	120	-0.01
83		Chrysene	40.000	36.630	8.4	128	-0.01
84		Bis(2-ethylhexyl)phthalate	40.000	41.510	-3.8	145	-0.02
85	c	Di-n-octyl phthalate	40.000	39.765	0.6	132	0.00
86	I	Perylene-d12	20.000	20.000	0.0	106	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	37.377	6.6	99	-0.01
88		Benzo(b)fluoranthene	40.000	41.435	-3.6	118	0.00
89		Benzo(k)fluoranthene	40.000	39.784	0.5	110	0.00
90	C	Benzo(a)pyrene	40.000	40.203	-0.5	109	0.00
91		Dibenzo(a,h)anthracene	40.000	37.699	5.8	99	0.00
92		Benzo(g,h,i)perylene	40.000	36.788	8.0	95	-0.01

Sample Results: **BF141212.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141212.D
Acq On : 20 Jan 2025 10:37
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jan 20 11:30:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Raw Data: **BF141226.D**

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1122 SAS No.: Q1122 SDG No.: Q1122

Instrument ID: BNA_F Calibration Date/Time: 01/20/2025 16:58

Lab File ID: BF141226.D Init. Calib. Date(s): 01/10/2025 01/10/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 11:58 17:45

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.295	1.230		-5.0	50.0
Benzaldehyde	0.966	1.176		21.7	50.0
Phenol-d6	1.640	1.569		-4.3	50.0
Phenol	1.756	1.658		-5.6	50.0
bis(2-Chloroethyl)ether	1.308	1.274		-2.6	50.0
2-Chlorophenol	1.389	1.351		-2.7	50.0
2-Methylphenol	1.121	1.085		-3.2	50.0
2,2-oxybis(1-Chloropropane)	1.826	1.656		-9.3	50.0
Acetophenone	0.475	0.458		-3.6	50.0
3+4-Methylphenols	1.415	1.331		-5.9	50.0
n-Nitroso-di-n-propylamine	0.966	0.912	0.050	-5.6	50.0
Nitrobenzene-d5	0.377	0.373		-1.1	50.0
Hexachloroethane	0.565	0.564		-0.2	50.0
Nitrobenzene	0.393	0.384		-2.3	50.0
Isophorone	0.645	0.633		-1.9	50.0
2-Nitrophenol	0.179	0.191		6.7	50.0
2,4-Dimethylphenol	0.241	0.235		-2.5	50.0
bis(2-Chloroethoxy)methane	0.405	0.405		0.0	50.0
2,4-Dichlorophenol	0.287	0.296		3.1	50.0
Naphthalene	1.055	1.038		-1.6	50.0
4-Chloroaniline	0.365	0.310		-15.1	50.0
Hexachlorobutadiene	0.197	0.203		3.0	50.0
Caprolactam	0.094	0.092		-2.1	50.0
4-Chloro-3-methylphenol	0.313	0.312		-0.3	50.0
2-Methylnaphthalene	0.672	0.666		-0.9	50.0
Hexachlorocyclopentadiene	0.188	0.194	0.050	3.2	50.0
2,4,6-Trichlorophenol	0.387	0.389		0.5	50.0
2-Fluorobiphenyl	1.310	1.257		-4.0	50.0
2,4,5-Trichlorophenol	0.409	0.411		0.5	50.0
1,1-Biphenyl	1.553	1.493		-3.9	50.0
2-Chloronaphthalene	1.210	1.166		-3.6	50.0
2-Nitroaniline	0.359	0.344		-4.2	50.0
Dimethylphthalate	1.343	1.304		-2.9	50.0
Acenaphthylene	1.728	1.651		-4.5	50.0
2,6-Dinitrotoluene	0.312	0.311		-0.3	50.0
3-Nitroaniline	0.317	0.298		-6.0	50.0
Acenaphthene	1.208	1.177		-2.6	50.0
2,4-Dinitrophenol	0.148	0.167	0.050	12.8	50.0
4-Nitrophenol	0.248	0.231	0.050	-6.9	50.0

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1122 SAS No.: Q1122 SDG No.: Q1122

Instrument ID: BNA_F Calibration Date/Time: 01/20/2025 16:58

Lab File ID: BF141226.D Init. Calib. Date(s): 01/10/2025 01/10/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 11:58 17:45

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.642	1.570		-4.4	50.0
2,4-Dinitrotoluene	0.402	0.407		1.2	50.0
Diethylphthalate	1.311	1.270		-3.1	50.0
4-Chlorophenyl-phenylether	0.622	0.618		-0.6	50.0
Fluorene	1.276	1.219		-4.5	50.0
4-Nitroaniline	0.311	0.293		-5.8	50.0
4,6-Dinitro-2-methylphenol	0.116	0.141		21.6	50.0
n-Nitrosodiphenylamine	0.645	0.658		2.0	50.0
2,4,6-Tribromophenol	0.228	0.235		3.1	50.0
4-Bromophenyl-phenylether	0.230	0.244		6.1	50.0
Hexachlorobenzene	0.256	0.274		7.0	50.0
Atrazine	0.174	0.198		13.8	50.0
Pentachlorophenol	0.164	0.176		7.3	50.0
Phenanthrene	1.074	1.078		0.4	50.0
Anthracene	1.044	1.048		0.4	50.0
Carbazole	0.957	0.937		-2.1	50.0
Di-n-butylphthalate	1.096	1.144		4.4	50.0
Fluoranthene	1.071	1.059		-1.1	50.0
Pyrene	1.910	1.911		0.1	50.0
Terphenyl-d14	1.346	1.362		1.2	50.0
Butylbenzylphthalate	0.637	0.666		4.6	50.0
3,3-Dichlorobenzidine	0.433	0.428		-1.2	50.0
Benzo(a)anthracene	1.361	1.289		-5.3	50.0
Chrysene	1.274	1.233		-3.2	50.0
Bis(2-ethylhexyl)phthalate	0.764	0.785		2.7	50.0
Di-n-octyl phthalate	1.154	1.216		5.4	50.0
Benzo(b)fluoranthene	1.290	1.184		-8.2	50.0
Benzo(k)fluoranthene	1.090	1.058		-2.9	50.0
Benzo(a)pyrene	1.064	1.040		-2.3	50.0
Indeno(1,2,3-cd)pyrene	1.465	1.455		-0.7	50.0
Dibenzo(a,h)anthracene	1.185	1.189		0.3	50.0
Benzo(g,h,i)perylene	1.233	1.230		-0.2	50.0
1,2,4,5-Tetrachlorobenzene	0.574	0.565		-1.6	50.0
1,4-Dioxane	0.577	0.525		-9.0	50.0
2,3,4,6-Tetrachlorophenol	0.340	0.331		-2.6	50.0

All other compounds must meet a minimum RRF of 0.010.

Sample Results: **BF141226.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141226.D
Acq On : 20 Jan 2025 16:58
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 20 17:26:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.816	152	179869	20.000	ng		0.00
21) Naphthalene-d8	8.098	136	690448	20.000	ng		0.00
39) Acenaphthene-d10	9.851	164	373975	20.000	ng		-0.01
64) Phenanthrene-d10	11.333	188	599666	20.000	ng		-0.01
76) Chrysene-d12	13.974	240	324852	20.000	ng		-0.01
86) Perylene-d12	15.433	264	361185	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.422	112	885278	76.032	ng		0.00
7) Phenol-d6	6.445	99	1128624	76.522	ng		0.00
23) Nitrobenzene-d5	7.381	82	1031110	79.162	ng		0.00
42) 2,4,6-Tribromophenol	10.639	330	351047	82.382	ng		-0.01
45) 2-Fluorobiphenyl	9.169	172	1881019	76.807	ng		-0.01
79) Terphenyl-d14	12.922	244	1769223	80.948	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.516	88	189004	36.452	ng		97
3) Pyridine	3.252	79	456738	35.921	ng		96
4) n-Nitrosodimethylamine	3.204	42	229481	36.911	ng		98
6) Aniline	6.475	93	434854	33.209	ng	#	82
8) 2-Chlorophenol	6.598	128	486067	38.910	ng		99
9) Benzaldehyde	6.363	77	423014	48.697	ng		98
10) Phenol	6.463	94	596283	37.768	ng		89
11) bis(2-Chloroethyl)ether	6.551	93	458466	38.965	ng		97
12) 1,3-Dichlorobenzene	6.751	146	542781	38.958	ng		99
13) 1,4-Dichlorobenzene	6.834	146	553857	39.449	ng		100
14) 1,2-Dichlorobenzene	6.987	146	511297	39.041	ng		98
15) Benzyl Alcohol	6.957	79	416409	39.095	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.092	45	595626	36.277	ng		96
17) 2-Methylphenol	7.069	107	390478	38.717	ng		99
18) Hexachloroethane	7.328	117	202959	39.974	ng		96
19) n-Nitroso-di-n-propyla...	7.228	70	328165	37.772	ng		98
20) 3+4-Methylphenols	7.222	107	478810	37.631	ng	#	81
22) Acetophenone	7.222	105	632710	38.548	ng	#	94
24) Nitrobenzene	7.398	77	530659	39.091	ng		99
25) Isophorone	7.634	82	873539	39.243	ng		99
26) 2-Nitrophenol	7.710	139	264347	42.808	ng		98
27) 2,4-Dimethylphenol	7.751	122	324703m	38.983	ng		
28) bis(2-Chloroethoxy)met...	7.845	93	558706	39.994	ng		99
29) 2,4-Dichlorophenol	7.951	162	408357	41.280	ng		99
30) 1,2,4-Trichlorobenzene	8.039	180	454846	40.225	ng		100
31) Naphthalene	8.122	128	1433429	39.368	ng		100
32) Benzoic acid	7.869	122	351844	44.035	ng		97
33) 4-Chloroaniline	8.169	127	427968	33.986	ng		99
34) Hexachlorobutadiene	8.234	225	279699	41.051	ng		99
35) Caprolactam	8.539	113	126775m	39.144	ng		
36) 4-Chloro-3-methylphenol	8.645	107	431130	39.850	ng		99
37) 2-Methylnaphthalene	8.804	142	919216	39.617	ng		99
38) 1-Methylnaphthalene	8.904	142	895599	39.166	ng		99
40) 1,2,4,5-Tetrachloroben...	8.969	216	422785	39.388	ng		99
41) Hexachlorocyclopentadiene	8.957	237	145116	41.323	ng		99
43) 2,4,6-Trichlorophenol	9.081	196	290635	40.147	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141226.D
Acq On : 20 Jan 2025 16:58
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jan 20 17:26:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.122	196	307586	40.231	ng	98
46) 1,1'-Biphenyl	9.269	154	1116612	38.447	ng	100
47) 2-Chloronaphthalene	9.298	162	872286	38.561	ng	99
48) 2-Nitroaniline	9.392	65	257010	38.328	ng	98
49) Acenaphthylene	9.710	152	1234547	38.200	ng	99
50) Dimethylphthalate	9.575	163	975349	38.849	ng	100
51) 2,6-Dinitrotoluene	9.633	165	232680	39.853	ng	99
52) Acenaphthene	9.881	154	880373	38.990	ng	100
53) 3-Nitroaniline	9.798	138	222710	37.537	ng	98
54) 2,4-Dinitrophenol	9.904	184	125075	45.070	ng	93
55) Dibenzofuran	10.057	168	1174545	38.244	ng	99
56) 4-Nitrophenol	9.957	139	172418	37.107	ng	97
57) 2,4-Dinitrotoluene	10.033	165	304507	40.471	ng	99
58) Fluorene	10.398	166	911591	38.205	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.169	232	247744	38.983	ng	100
60) Diethylphthalate	10.269	149	949655	38.745	ng	100
61) 4-Chlorophenyl-phenyle...	10.392	204	462094	39.736	ng	99
62) 4-Nitroaniline	10.410	138	219093	37.729	ng	97
63) Azobenzene	10.551	77	907541	37.525	ng	99
65) 4,6-Dinitro-2-methylph...	10.445	198	169564	48.797	ng	95
66) n-Nitrosodiphenylamine	10.510	169	788748	40.779	ng	99
67) 4-Bromophenyl-phenylether	10.880	248	292327	42.342	ng	99
68) Hexachlorobenzene	10.945	284	328024	42.682	ng	98
69) Atrazine	11.033	200	237477	45.599	ng	100
70) Pentachlorophenol	11.139	266	210825	42.835	ng	99
71) Phenanthrene	11.357	178	1293007	40.163	ng	100
72) Anthracene	11.410	178	1257400	40.167	ng	100
73) Carbazole	11.563	167	1124089	39.162	ng	100
74) Di-n-butylphthalate	11.898	149	1372194	41.773	ng	99
75) Fluoranthene	12.545	202	1270545	39.548	ng	99
77) Benzidine	12.669	184	205920	34.182	ng	99
78) Pyrene	12.774	202	1241696	40.019	ng	100
80) Butylbenzylphthalate	13.398	149	432936	41.851	ng	97
81) Benzo(a)anthracene	13.963	228	837402	37.878	ng	100
82) 3,3'-Dichlorobenzidine	13.927	252	277856	39.470	ng	97
83) Chrysene	13.998	228	801142	38.728	ng	99
84) Bis(2-ethylhexyl)phtha...	13.957	149	510246	41.108	ng	100
85) Di-n-octyl phthalate	14.580	149	790044	42.150	ng	99
87) Indeno(1,2,3-cd)pyrene	16.886	276	1050995	39.718	ng	98
88) Benzo(b)fluoranthene	15.015	252	855613	36.737	ng	99
89) Benzo(k)fluoranthene	15.045	252	764346	38.834	ng	100
90) Benzo(a)pyrene	15.374	252	751340	39.100	ng	99
91) Dibenzo(a,h)anthracene	16.909	278	858665	40.120	ng	98
92) Benzo(g,h,i)perylene	17.327	276	888516	39.913	ng	98

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

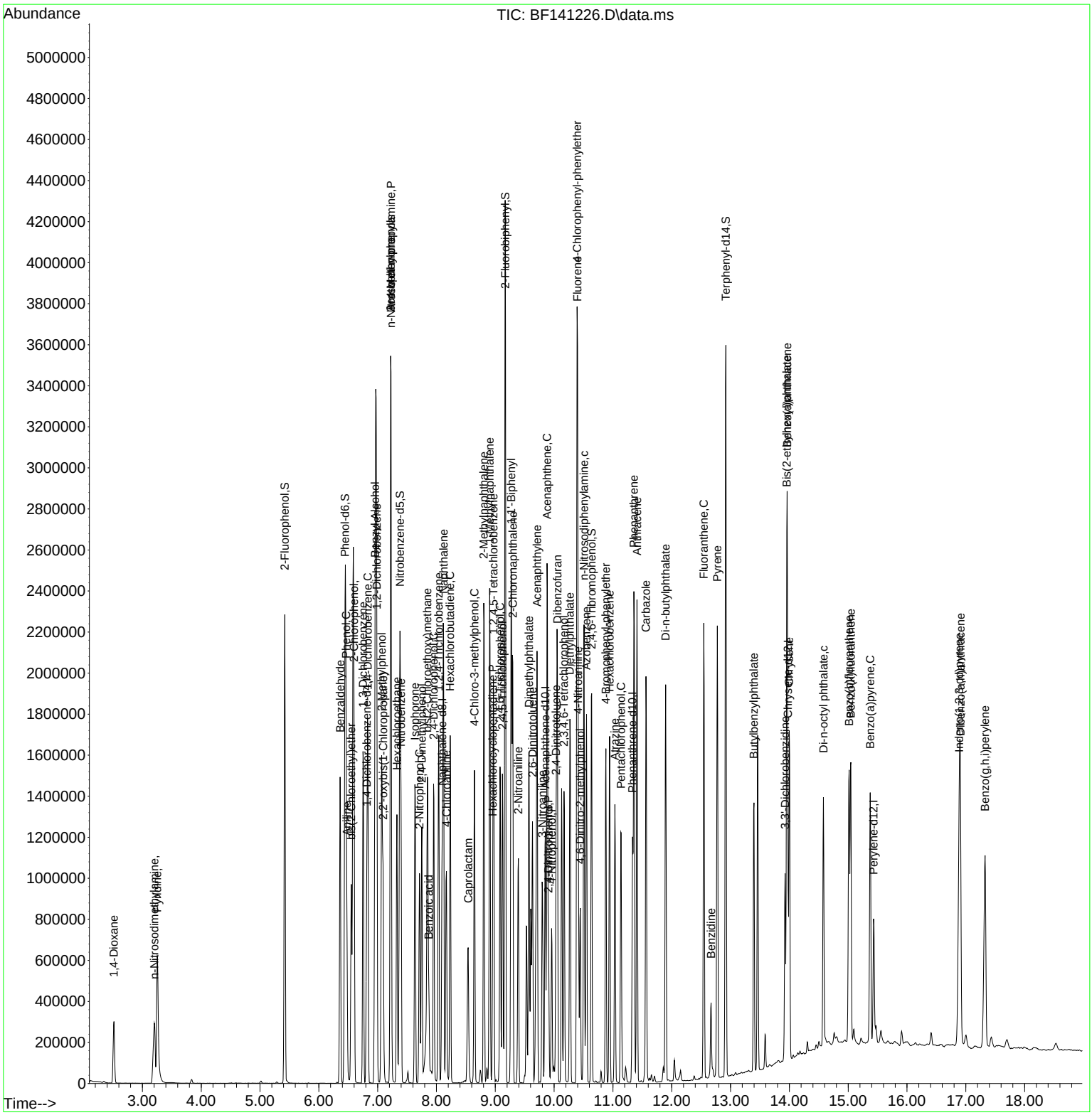
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Data File : BF141226.D
Acq On : 20 Jan 2025 16:58
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

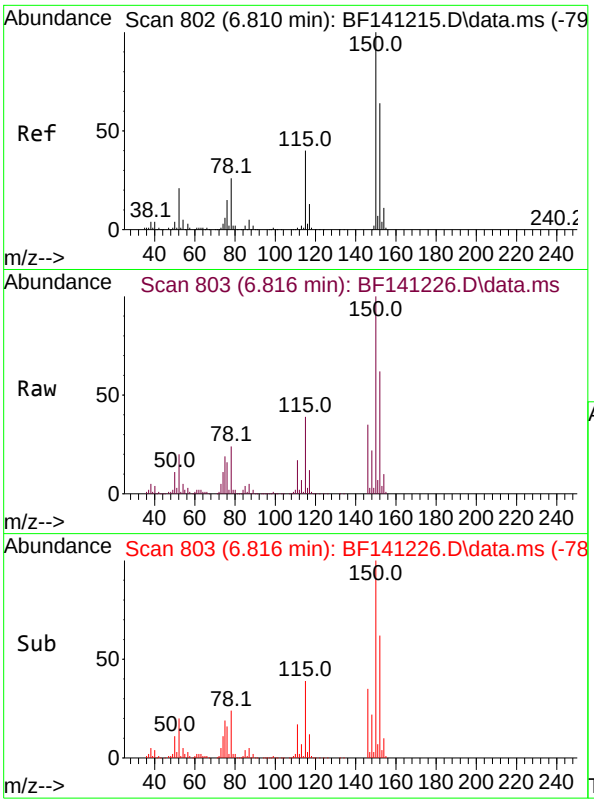
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/21/2025
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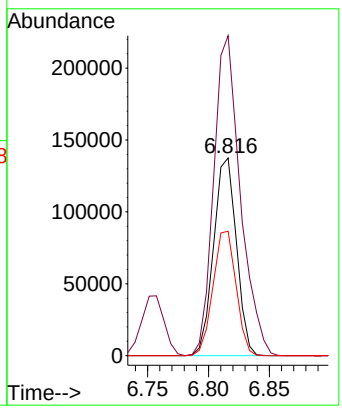




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:152 Resp: 17986

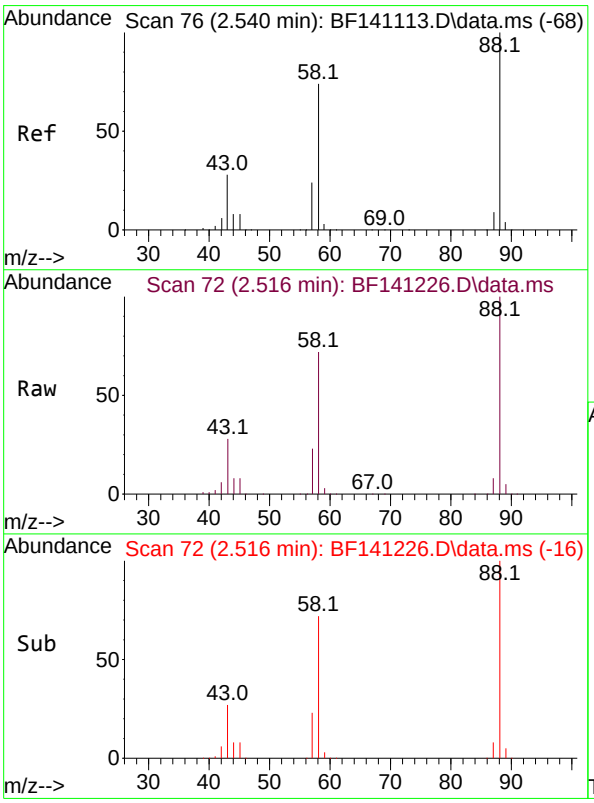
Ion	Ratio	Lower	Upper
152	100		
150	161.9	125.8	188.8
115	63.0	51.4	77.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

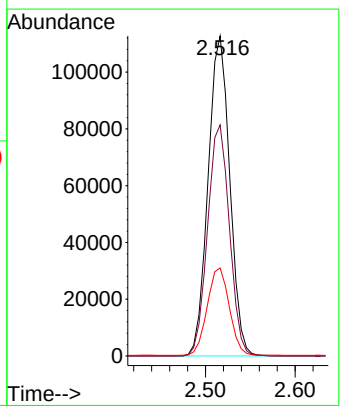
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

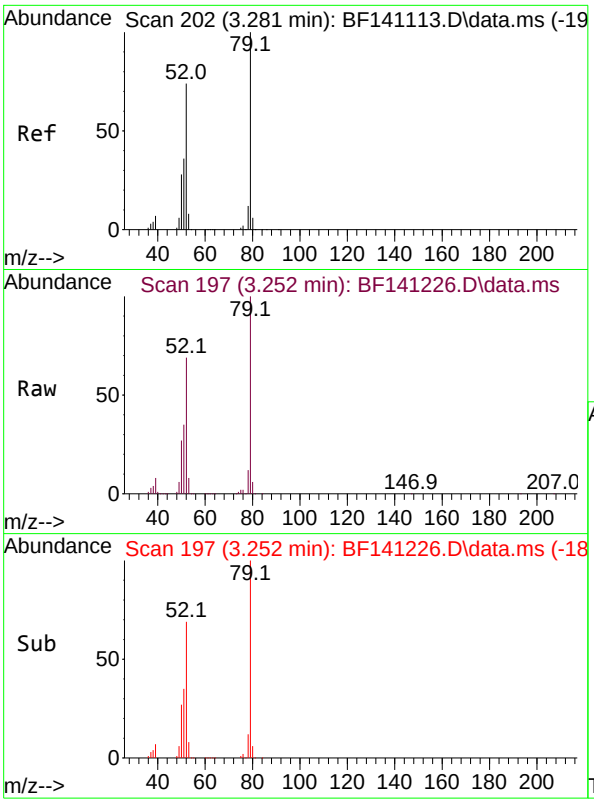


#2
1,4-Dioxane
Concen: 36.452 ng
RT: 2.516 min Scan# 72
Delta R.T. -0.024 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion: 88 Resp: 189004

Ion	Ratio	Lower	Upper
88	100		
58	72.7	60.1	90.1
43	27.9	23.1	34.7





#3
Pyridine
Concen: 35.921 ng
RT: 3.252 min Scan# 1
Delta R.T. -0.029 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

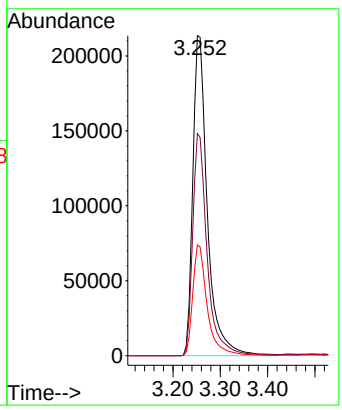
Tgt Ion: 79 Resp: 45673

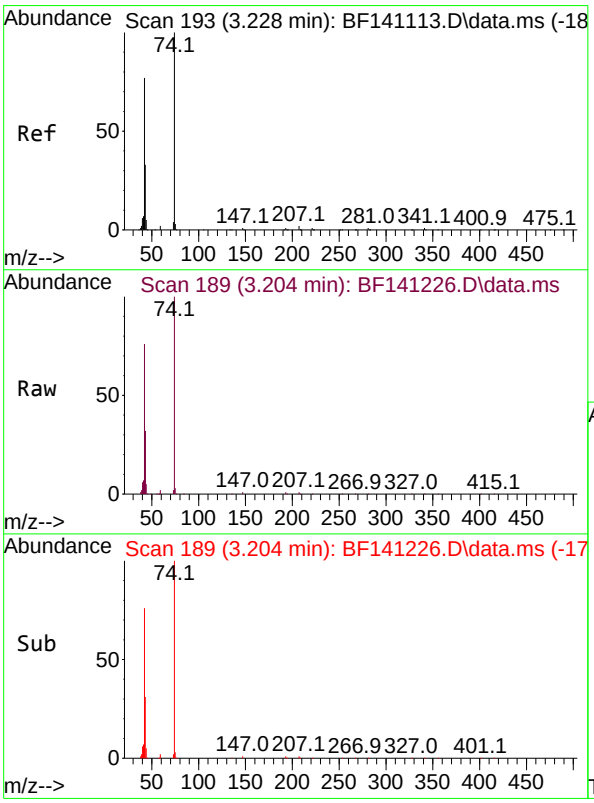
Ion	Ratio	Lower	Upper
79	100		
52	69.5	58.9	88.3
51	34.6	29.1	43.7

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

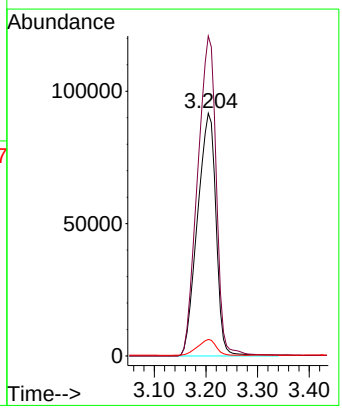


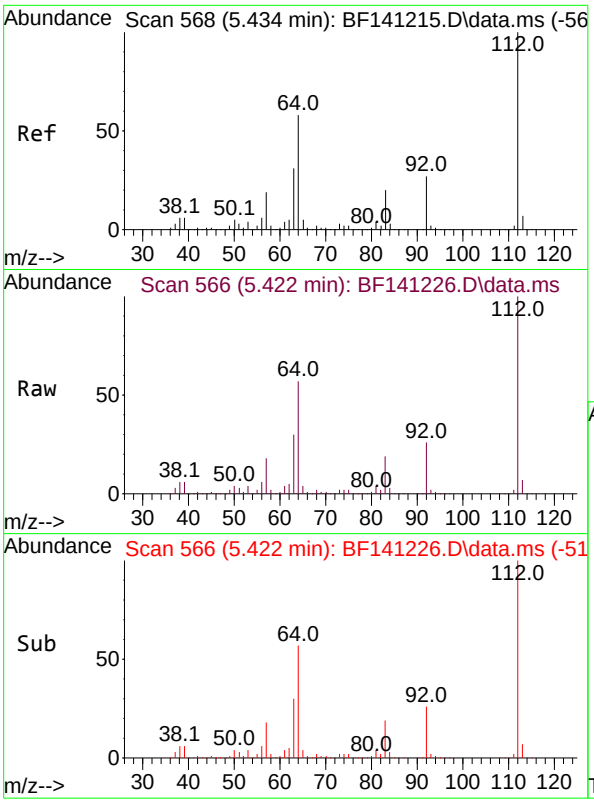


#4
n-Nitrosodimethylamine
Concen: 36.911 ng
RT: 3.204 min Scan# 189
Delta R.T. -0.024 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion: 42 Resp: 229481

Ion	Ratio	Lower	Upper
42	100		
74	131.9	103.8	155.6
44	6.8	5.3	7.9

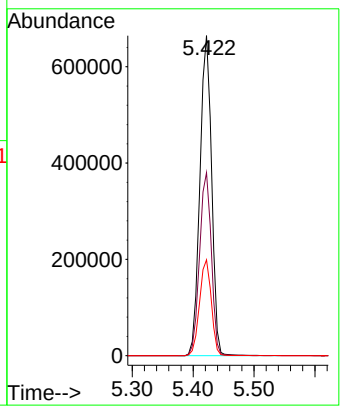




#5
2-Fluorophenol
Concen: 76.032 ng
RT: 5.422 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:112 Resp: 88527

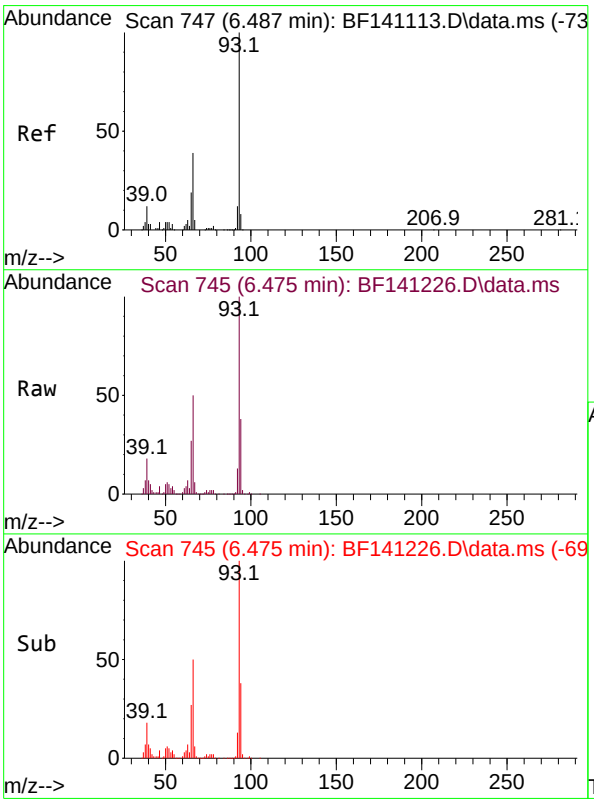
Ion	Ratio	Lower	Upper
112	100		
64	57.2	47.3	70.9
63	29.9	24.2	36.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

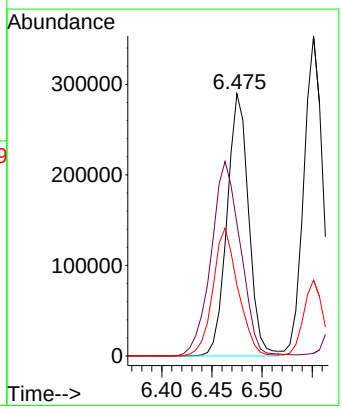
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

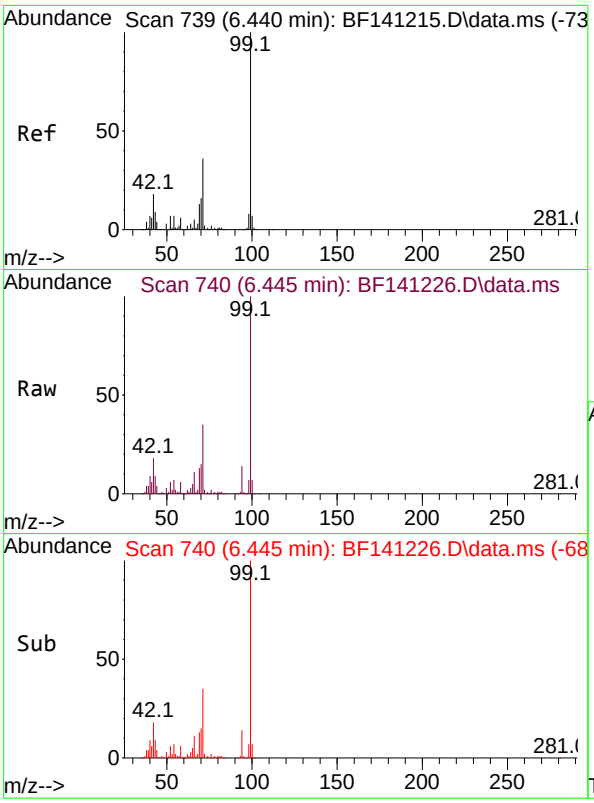


#6
Aniline
Concen: 33.209 ng
RT: 6.475 min Scan# 745
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion: 93 Resp: 434854

Ion	Ratio	Lower	Upper
93	100		
66	50.4	31.5	47.3#
65	27.0	15.3	22.9#

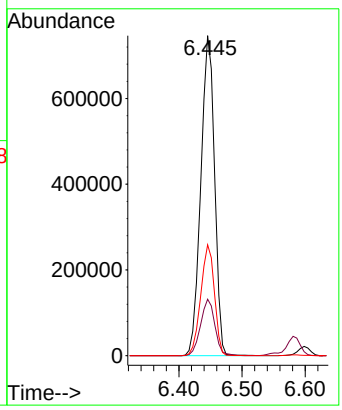




#7
Phenol-d6
Concen: 76.522 ng
RT: 6.445 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion: 99 Resp: 112862

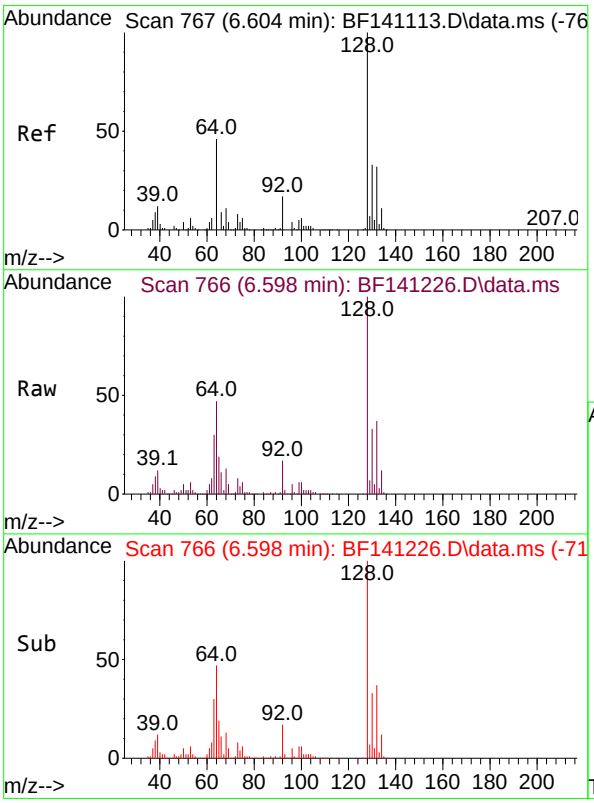
Ion	Ratio	Lower	Upper
99	100		
42	17.7	15.0	22.4
71	34.7	27.6	41.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

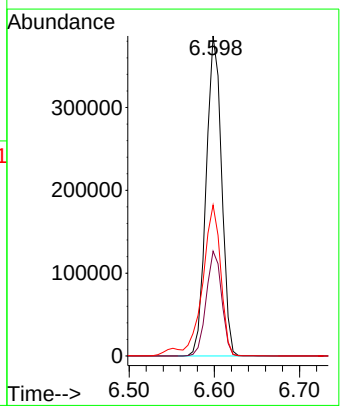
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

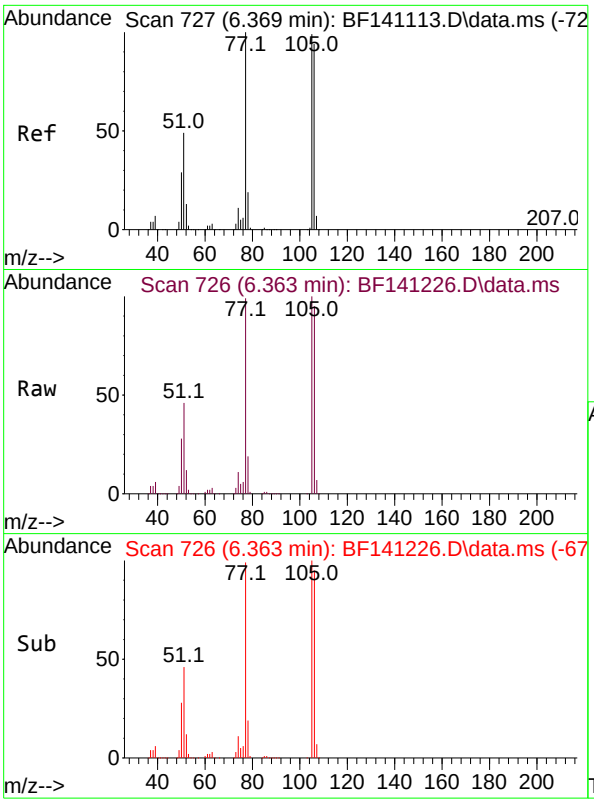


#8
2-Chlorophenol
Concen: 38.910 ng
RT: 6.598 min Scan# 766
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:128 Resp: 486067

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.5	52.5
64	47.1	28.3	68.3

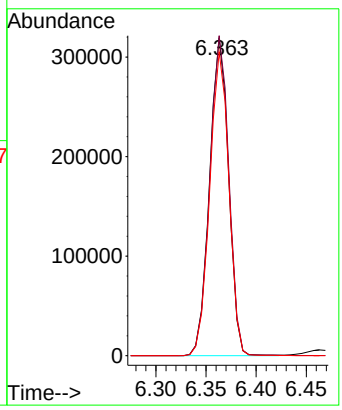




#9
Benzaldehyde
Concen: 48.697 ng
RT: 6.363 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion: 77 Resp: 42301

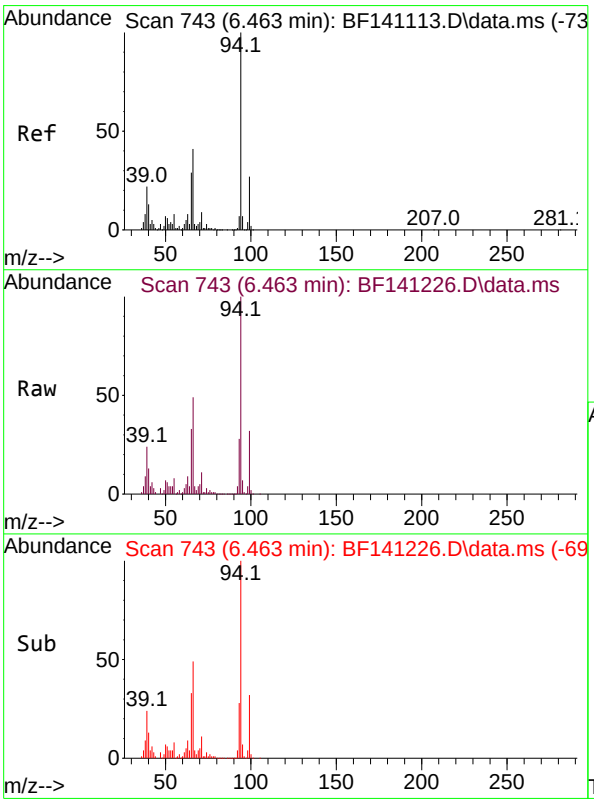
Ion	Ratio	Lower	Upper
77	100		
105	100.6	78.9	118.9
106	95.5	73.6	113.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

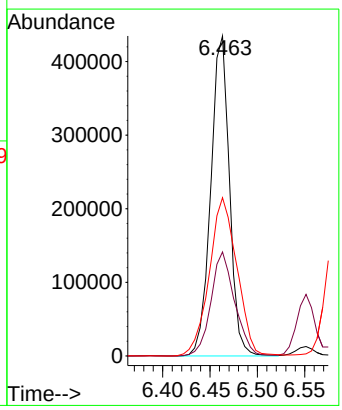
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

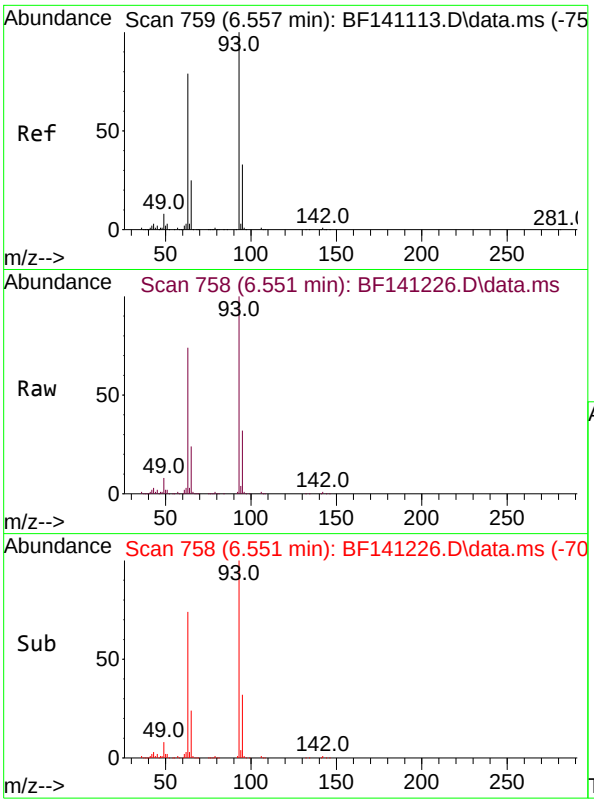


#10
Phenol
Concen: 37.768 ng
RT: 6.463 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion: 94 Resp: 596283

Ion	Ratio	Lower	Upper
94	100		
65	32.5	8.9	48.9
66	49.4	21.2	61.2

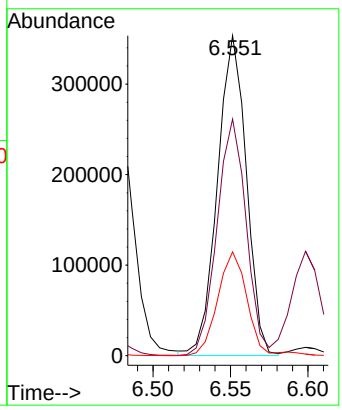




#11
bis(2-Chloroethyl)ether
Concen: 38.965 ng
RT: 6.551 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion: 93 Resp: 45846

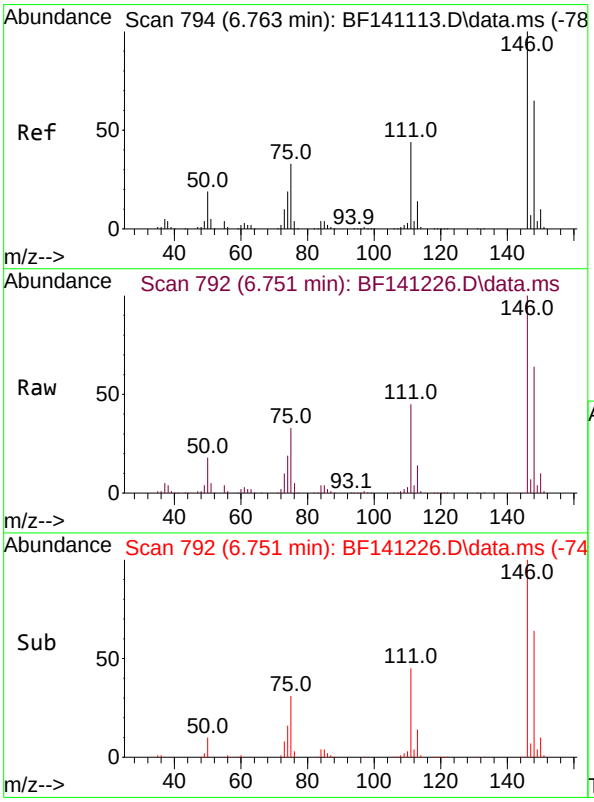
Ion	Ratio	Lower	Upper
93	100		
63	74.0	58.0	98.0
95	32.5	12.5	52.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

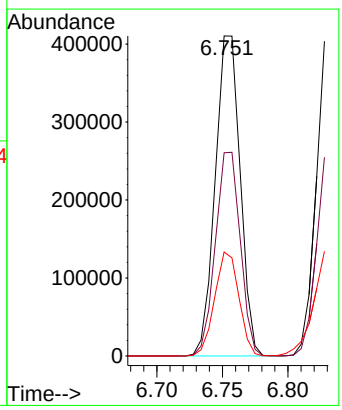
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

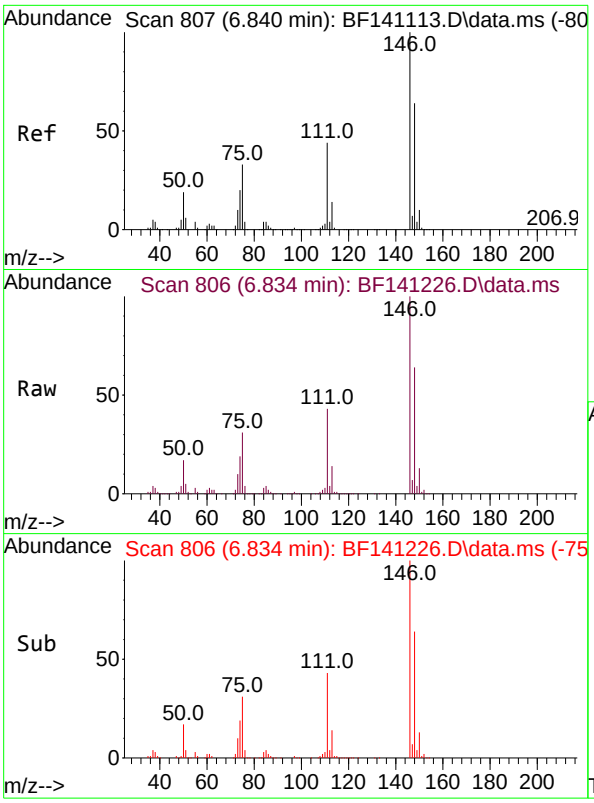


#12
1,3-Dichlorobenzene
Concen: 38.958 ng
RT: 6.751 min Scan# 792
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:146 Resp: 542781

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.6	77.4
75	32.5	26.2	39.2

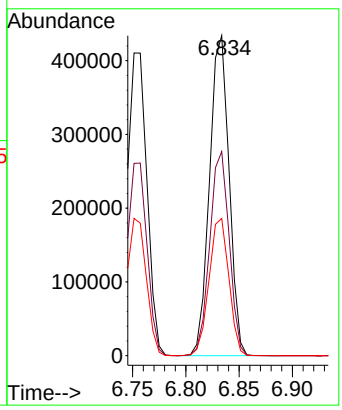




#13
1,4-Dichlorobenzene
Concen: 39.449 ng
RT: 6.834 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:146 Resp: 55385

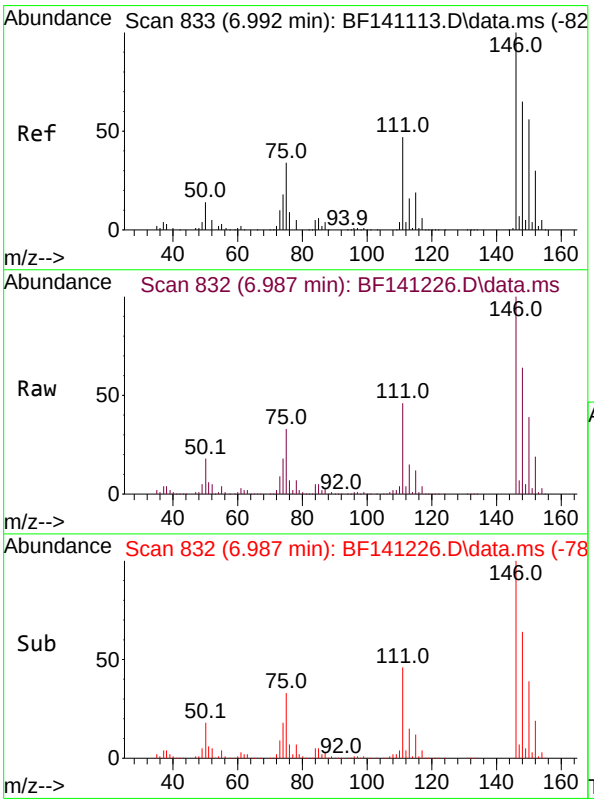
Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.0	76.6
111	42.9	34.9	52.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

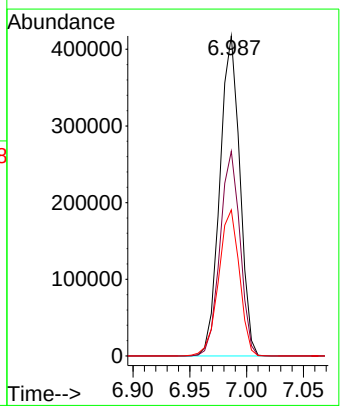
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

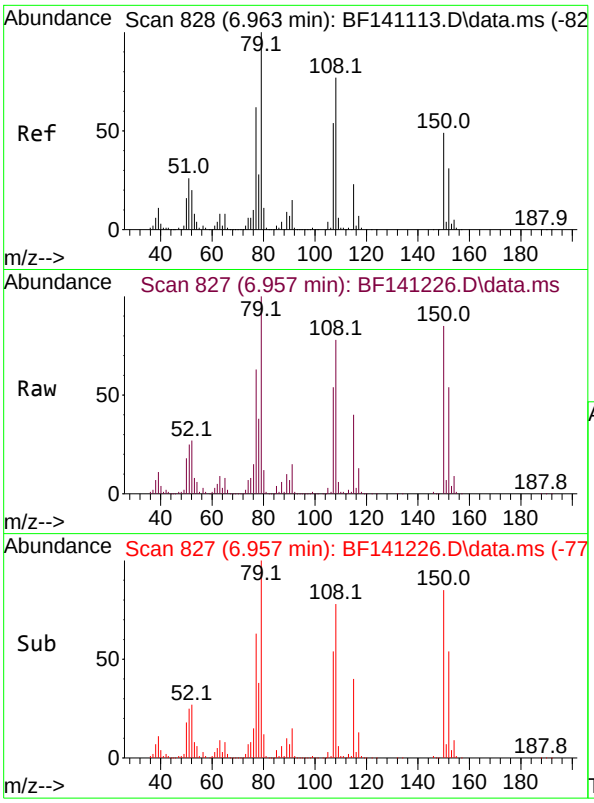


#14
1,2-Dichlorobenzene
Concen: 39.041 ng
RT: 6.987 min Scan# 832
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:146 Resp: 511297

Ion	Ratio	Lower	Upper
146	100		
148	64.0	52.2	78.4
111	45.6	37.5	56.3





#15
Benzyl Alcohol
Concen: 39.095 ng
RT: 6.957 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

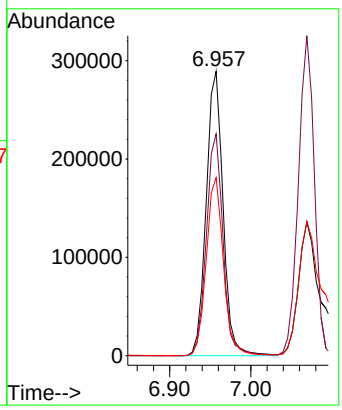
Tgt Ion: 79 Resp: 41640

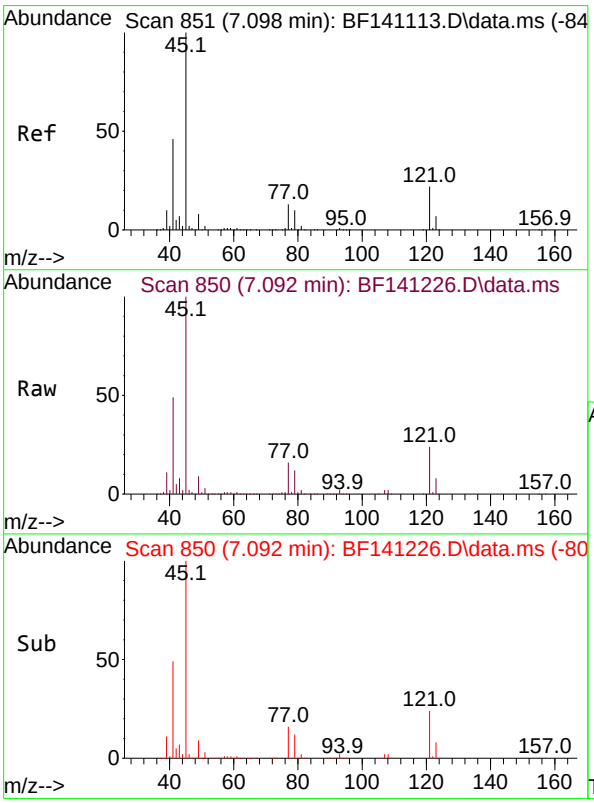
Ion	Ratio	Lower	Upper
79	100		
108	78.0	61.4	92.0
77	62.6	49.8	74.6

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
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Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

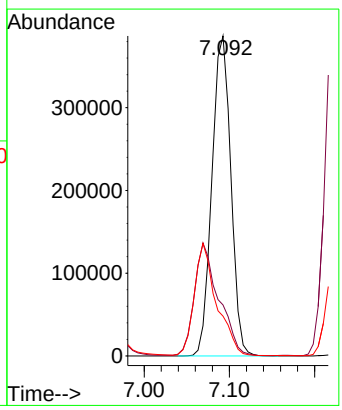


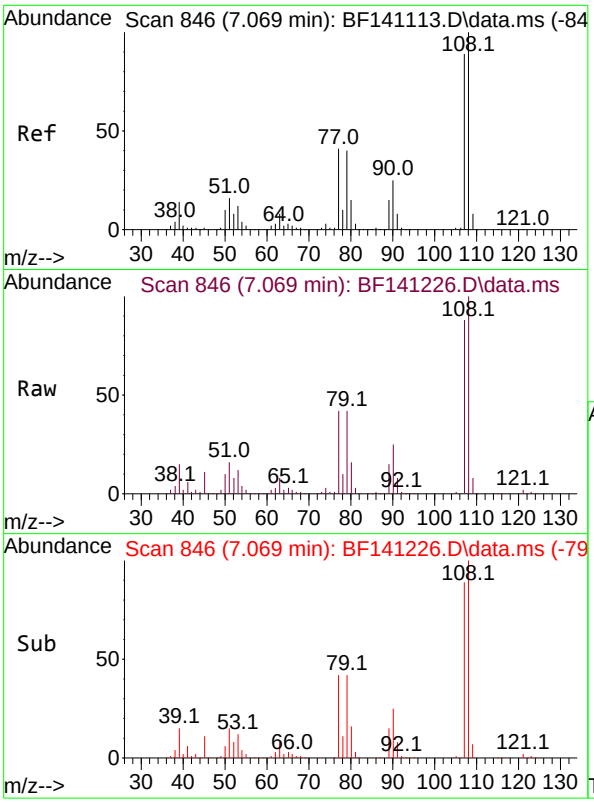


#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.277 ng
RT: 7.092 min Scan# 850
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion: 45 Resp: 595626

Ion	Ratio	Lower	Upper
45	100		
77	16.0	0.0	34.1
79	12.4	0.0	31.0

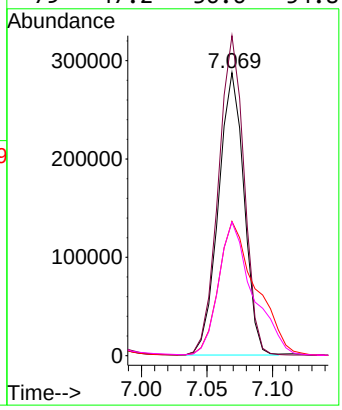




#17
2-Methylphenol
Concen: 38.717 ng
RT: 7.069 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:107 Resp: 39047

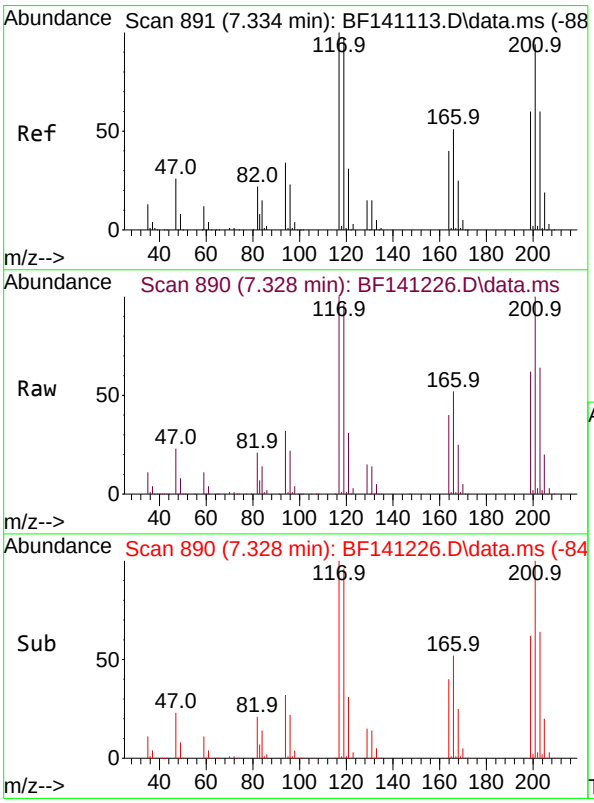
Ion	Ratio	Lower	Upper
107	100		
108	113.1	90.1	135.1
77	47.4	36.6	55.0
79	47.2	36.6	54.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

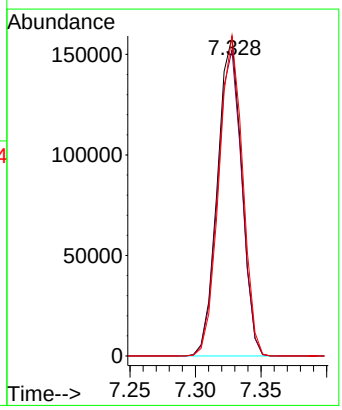
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

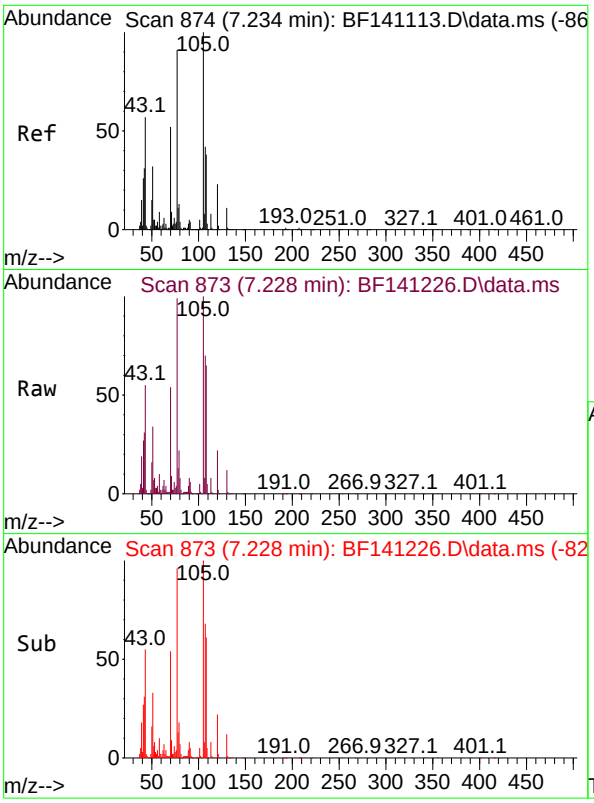


#18
Hexachloroethane
Concen: 39.974 ng
RT: 7.328 min Scan# 890
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:117 Resp: 202959

Ion	Ratio	Lower	Upper
117	100		
119	96.0	77.6	116.4
201	100.4	75.1	112.7

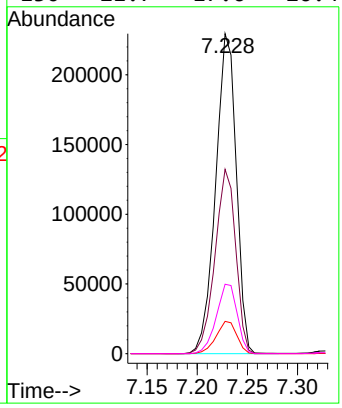




#19
n-Nitroso-di-n-propylamine
Concen: 37.772 ng
RT: 7.228 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion: 70 Resp: 32816

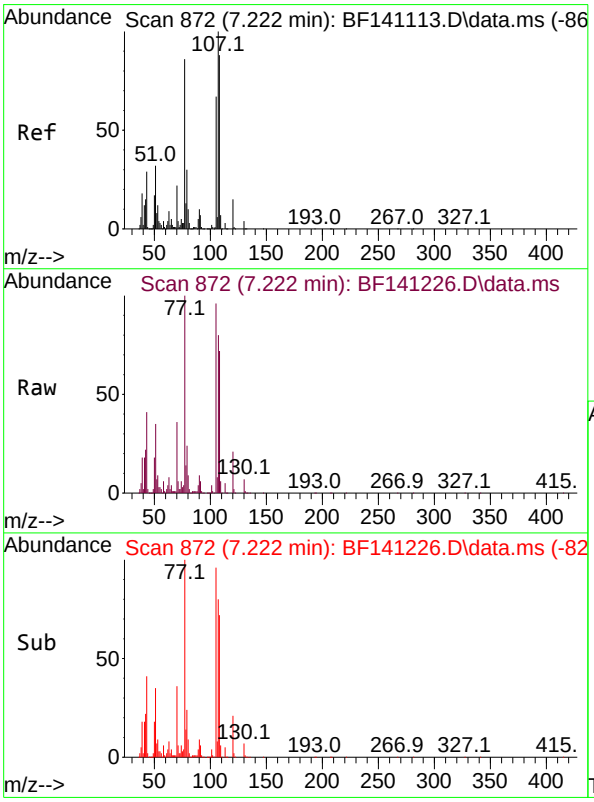
Ion	Ratio	Lower	Upper
70	100		
42	57.6	47.8	71.6
101	10.1	7.9	11.9
130	21.7	17.6	26.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
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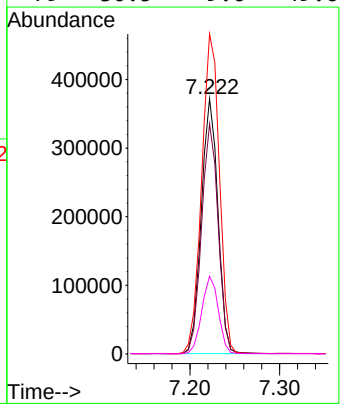
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

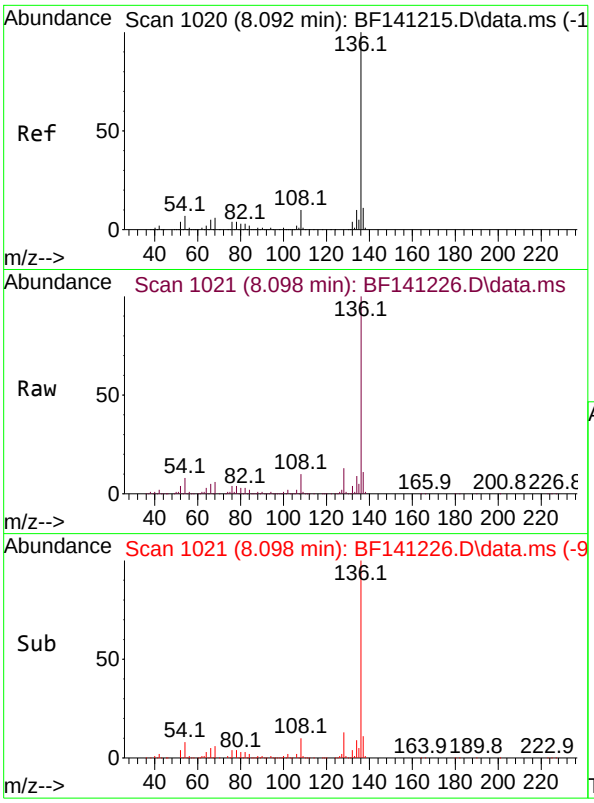


#20
3+4-Methylphenols
Concen: 37.631 ng
RT: 7.222 min Scan# 872
Delta R.T. 0.000 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:107 Resp: 478810

Ion	Ratio	Lower	Upper
107	100		
108	90.2	68.3	108.3
77	125.3	66.4	106.4#
79	30.5	9.6	49.6

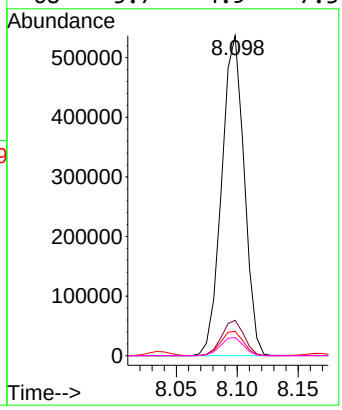




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:136 Resp: 69044

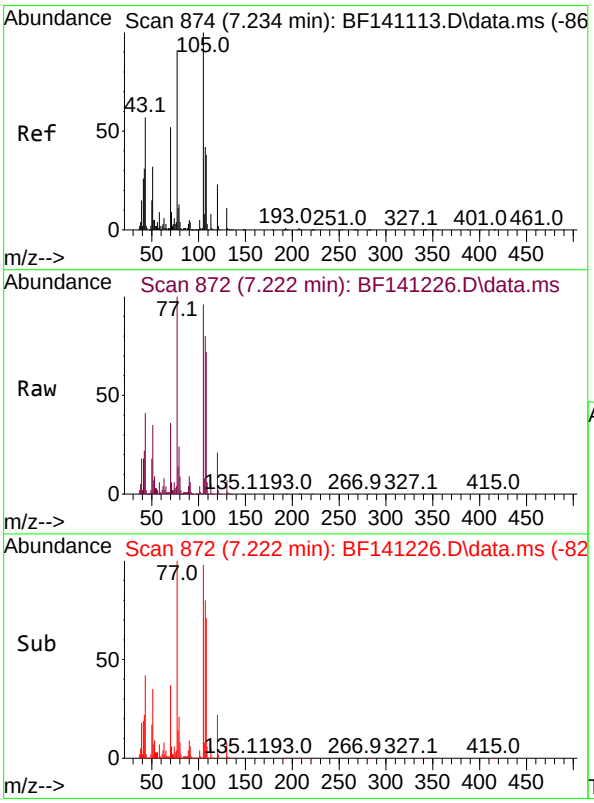
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.6	6.3	9.5
68	5.7	4.9	7.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

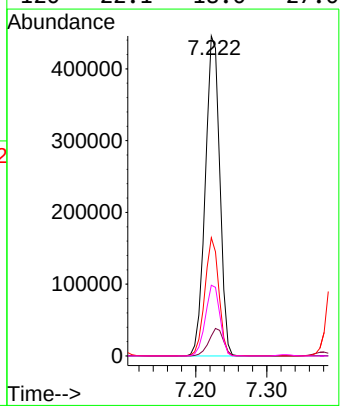
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

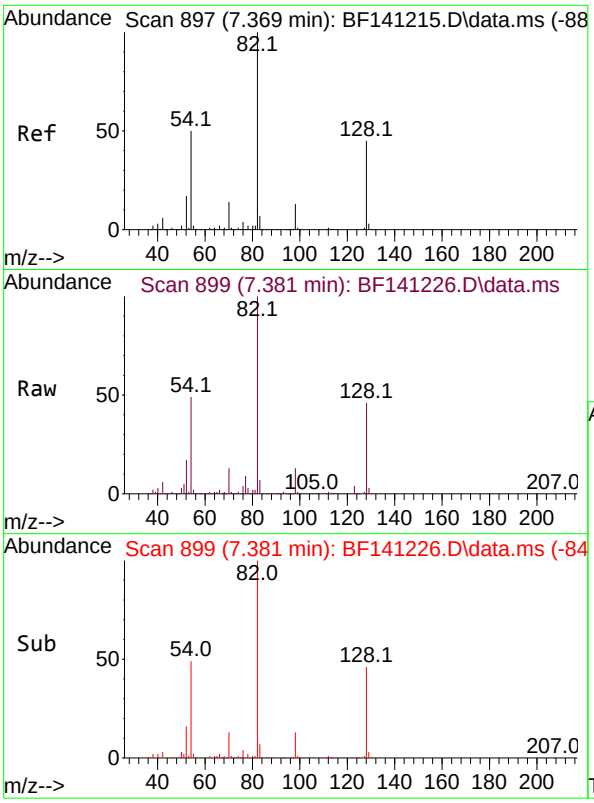


#22
Acetophenone
Concen: 38.548 ng
RT: 7.222 min Scan# 872
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:105 Resp: 632710

Ion	Ratio	Lower	Upper
105	100		
71	6.2	7.1	10.7#
51	36.9	25.4	38.2
120	22.1	18.0	27.0





#23
Nitrobenzene-d5
Concen: 79.162 ng
RT: 7.381 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

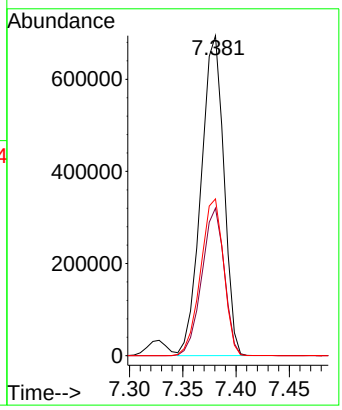
Tgt Ion: 82 Resp: 103111

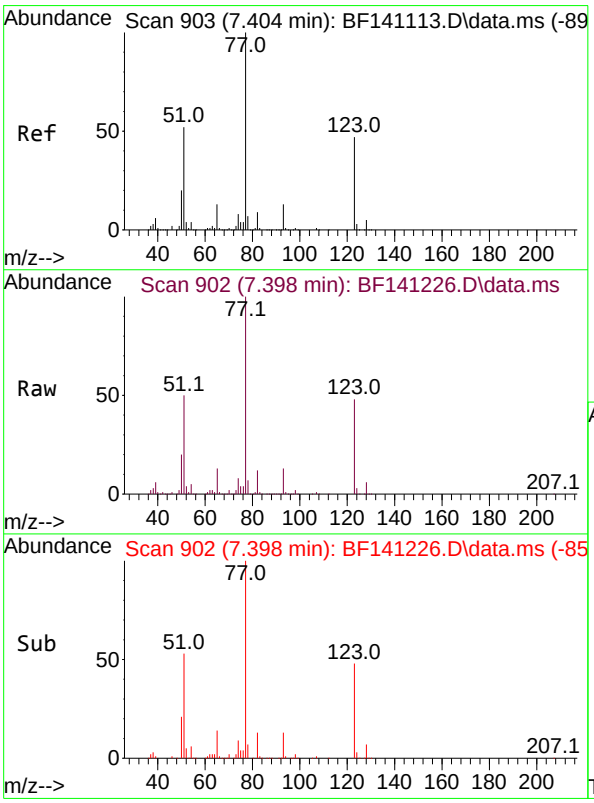
Ion	Ratio	Lower	Upper
82	100		
128	46.1	36.1	54.1
54	49.0	41.0	61.4

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
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Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

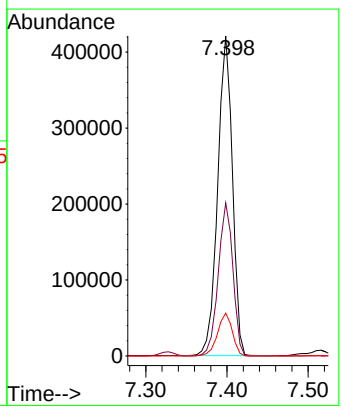


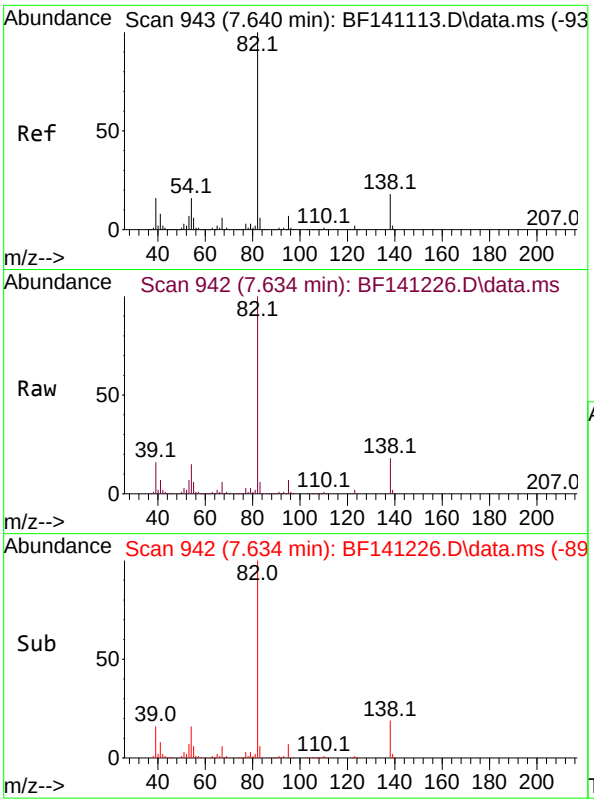


#24
Nitrobenzene
Concen: 39.091 ng
RT: 7.398 min Scan# 902
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion: 77 Resp: 530659

Ion	Ratio	Lower	Upper
77	100		
123	47.8	37.7	56.5
65	13.4	10.6	16.0

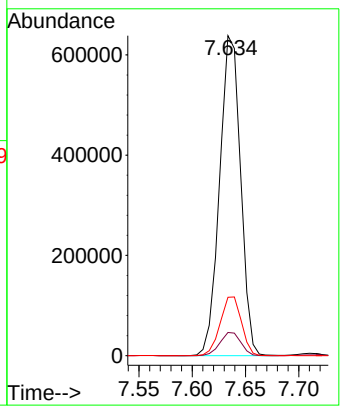




#25
Isophorone
Concen: 39.243 ng
RT: 7.634 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion: 82 Resp: 87353

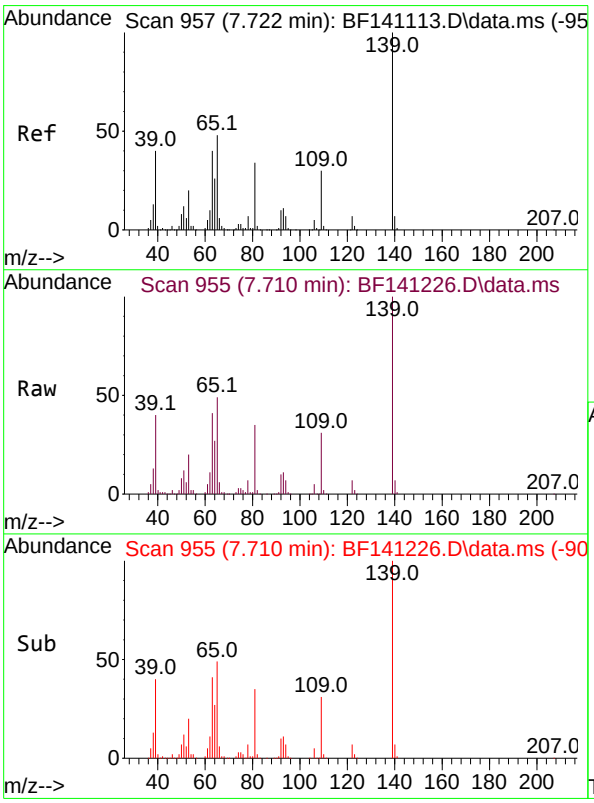
Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.9	8.9
138	18.3	14.2	21.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

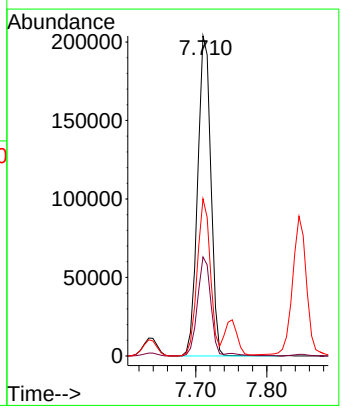
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

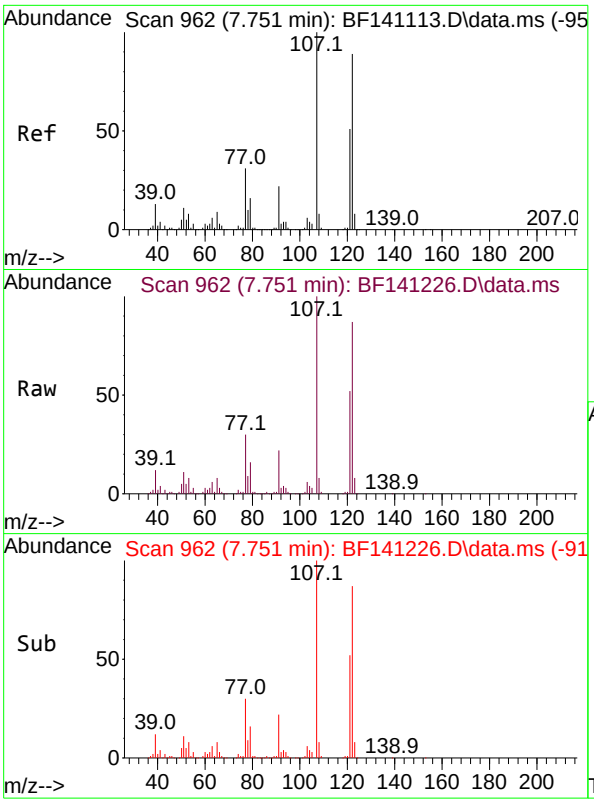


#26
2-Nitrophenol
Concen: 42.808 ng
RT: 7.710 min Scan# 955
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:139 Resp: 264347

Ion	Ratio	Lower	Upper
139	100		
109	30.9	23.8	35.6
65	49.1	38.5	57.7

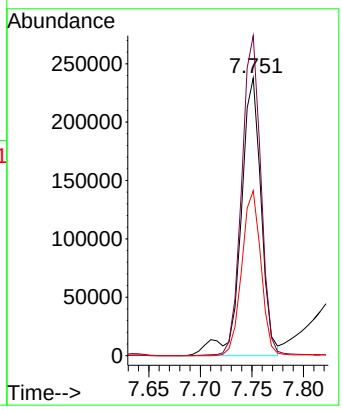




#27
2,4-Dimethylphenol
Concen: 38.983 ng m
RT: 7.751 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:122 Resp: 32470

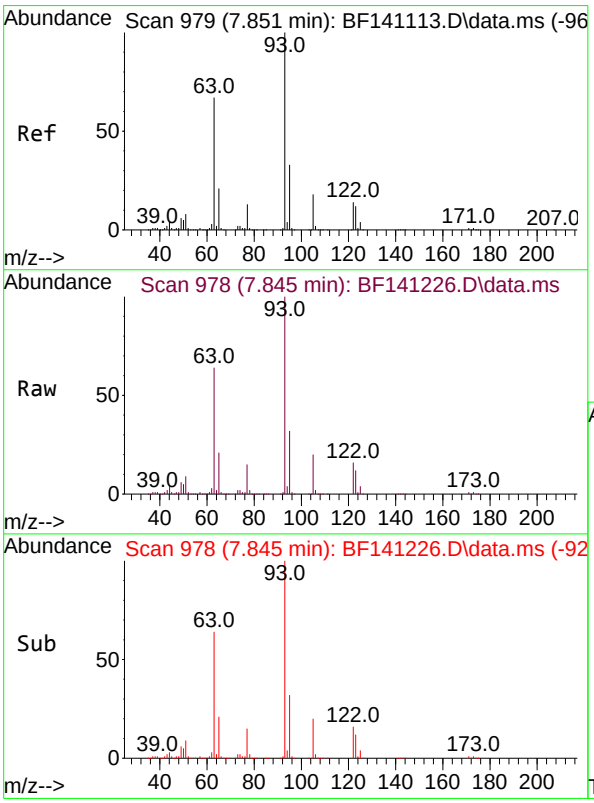
Ion	Ratio	Lower	Upper
122	100		
107	115.2	90.3	135.5
121	59.4	46.5	69.7



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

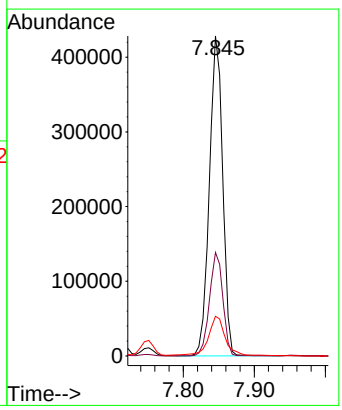
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

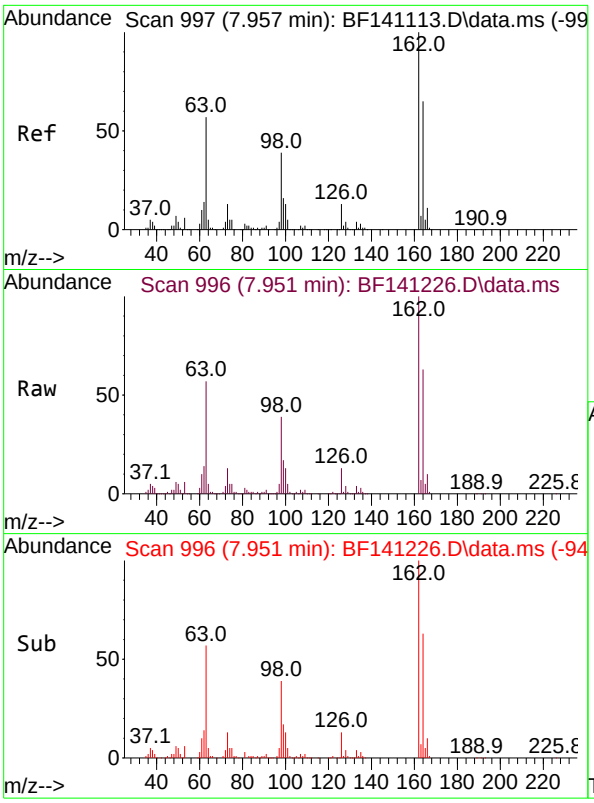


#28
bis(2-Chloroethoxy)methane
Concen: 39.994 ng
RT: 7.845 min Scan# 978
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion: 93 Resp: 558706

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.2	39.4
123	12.4	10.1	15.1

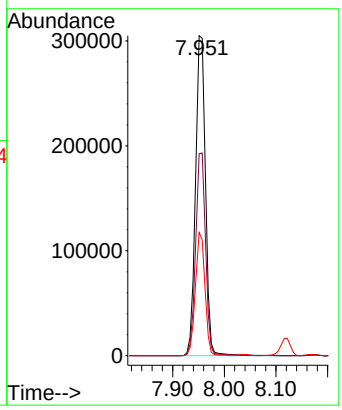




#29
2,4-Dichlorophenol
Concen: 41.280 ng
RT: 7.951 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:162 Resp: 40835

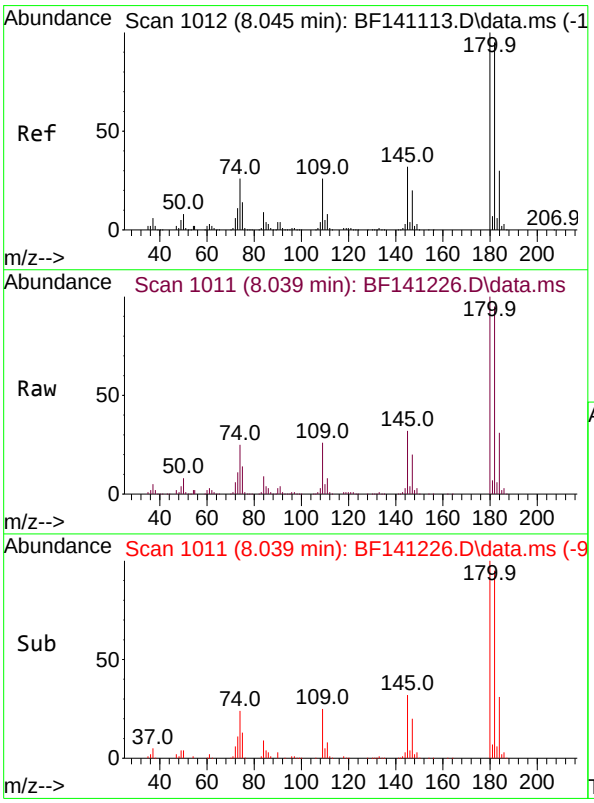
Ion	Ratio	Lower	Upper
162	100		
164	63.1	44.5	84.5
98	38.5	18.5	58.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

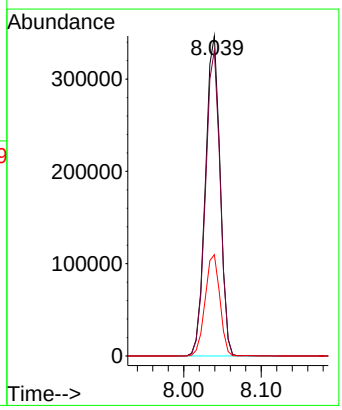
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

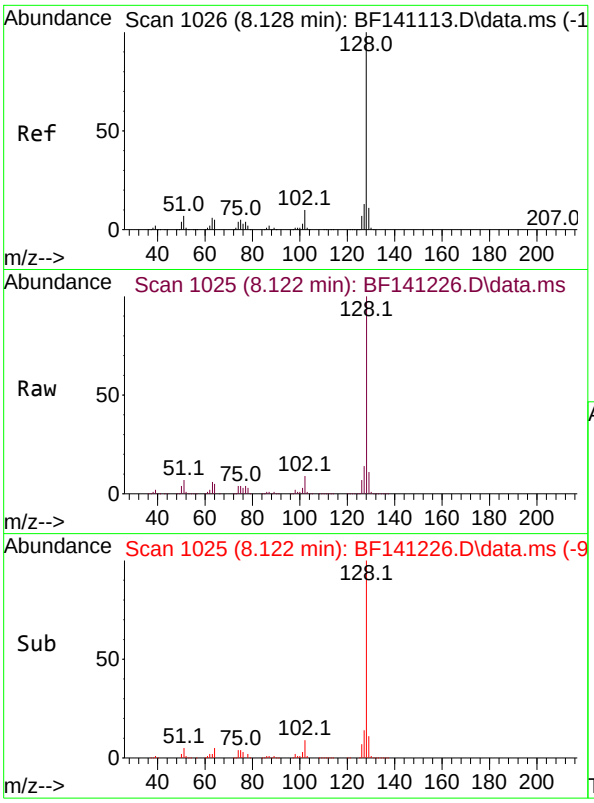


#30
1,2,4-Trichlorobenzene
Concen: 40.225 ng
RT: 8.039 min Scan# 1011
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:180 Resp: 454846

Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.2	114.2
145	31.6	25.3	37.9

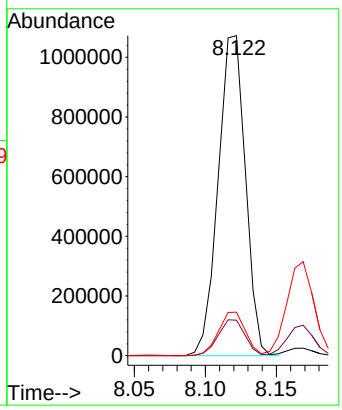




#31
Naphthalene
Concen: 39.368 ng
RT: 8.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:128 Resp: 143342

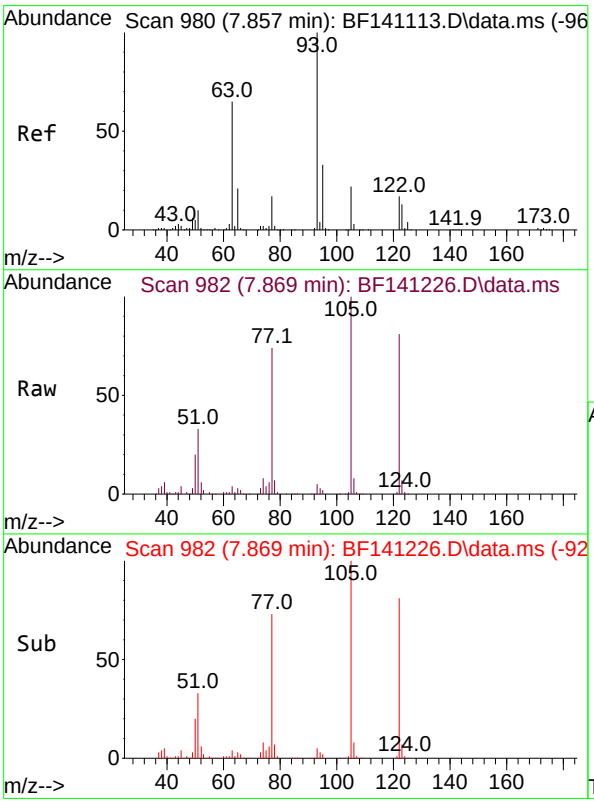
Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.6
127	13.6	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

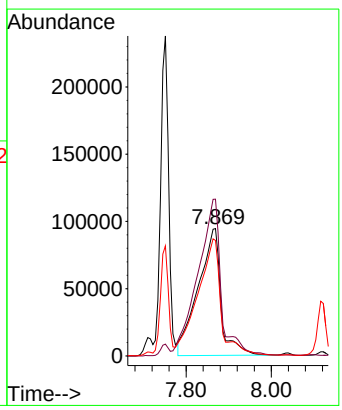
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

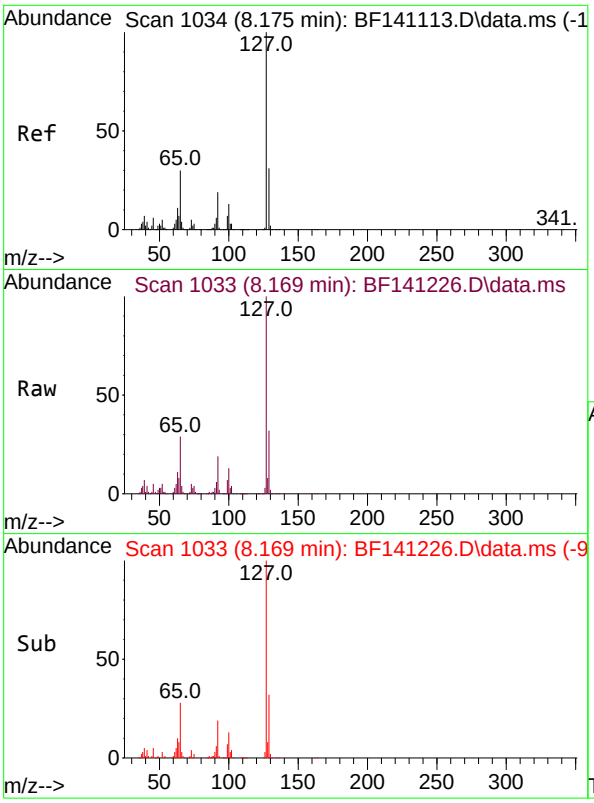


#32
Benzoic acid
Concen: 44.035 ng
RT: 7.869 min Scan# 982
Delta R.T. 0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:122 Resp: 351844

Ion	Ratio	Lower	Upper
122	100		
105	123.2	105.5	145.5
77	90.7	75.1	115.1

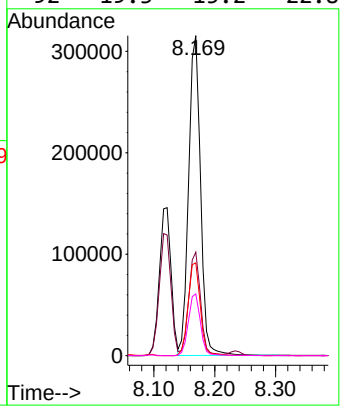




#33
4-Chloroaniline
Concen: 33.986 ng
RT: 8.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:127 Resp: 42796

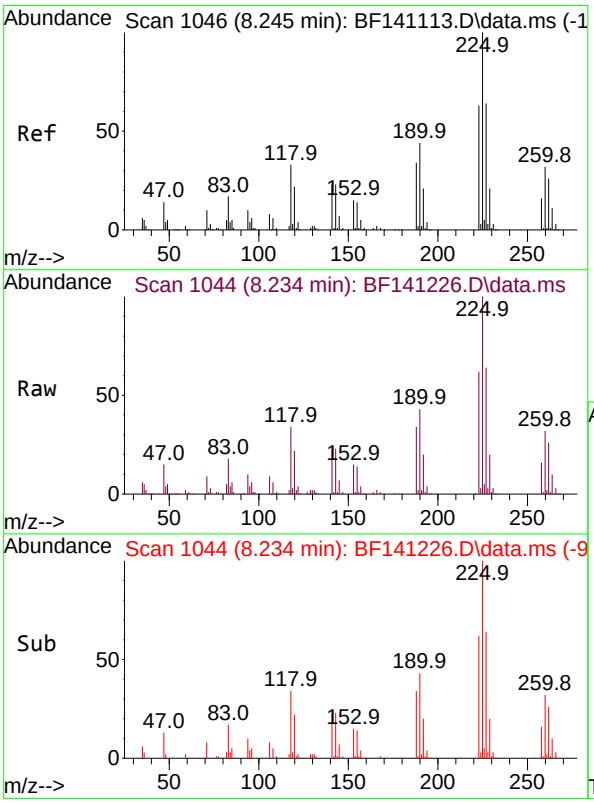
Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.9	38.9
65	29.0	23.8	35.8
92	19.3	15.2	22.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
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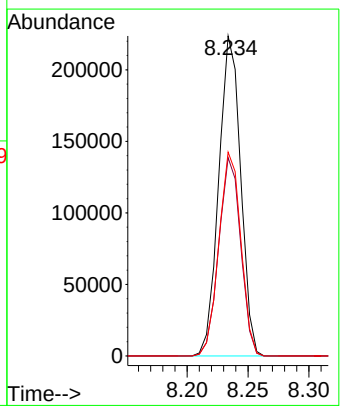
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

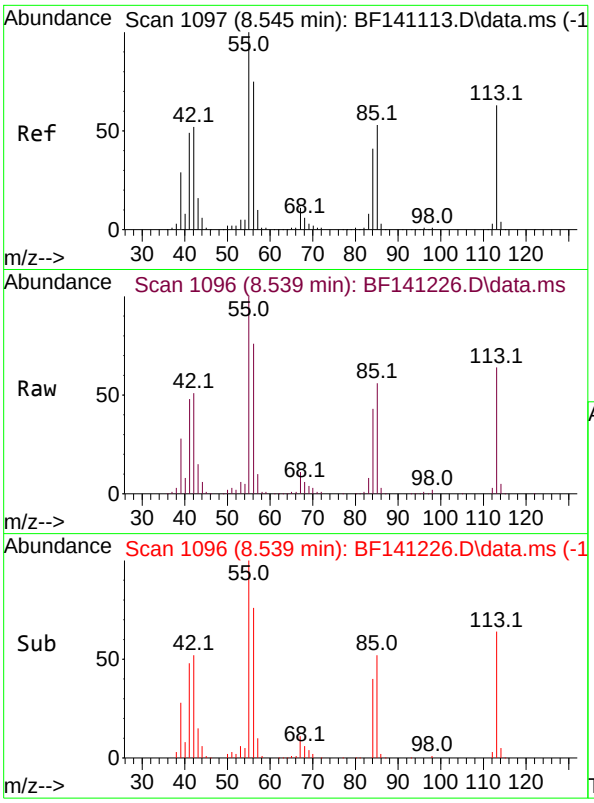


#34
Hexachlorobutadiene
Concen: 41.051 ng
RT: 8.234 min Scan# 1044
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:225 Resp: 279699

Ion	Ratio	Lower	Upper
225	100		
223	62.0	50.6	76.0
227	63.7	51.6	77.4





#35
Caprolactam
Concen: 39.144 ng m
RT: 8.539 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

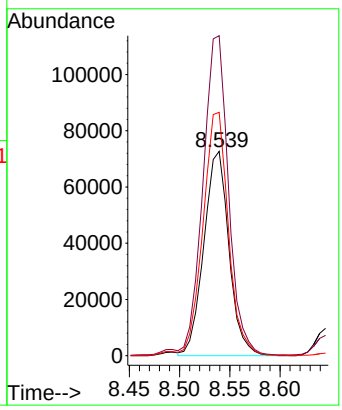
Tgt Ion:113 Resp: 12677

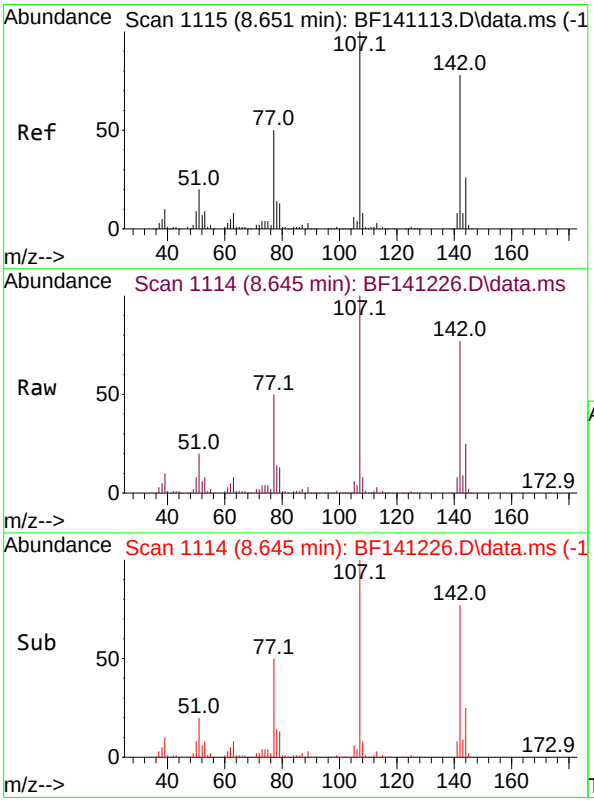
Ion	Ratio	Lower	Upper
113	100		
55	156.7	139.7	179.7
56	119.1	99.4	139.4

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
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Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

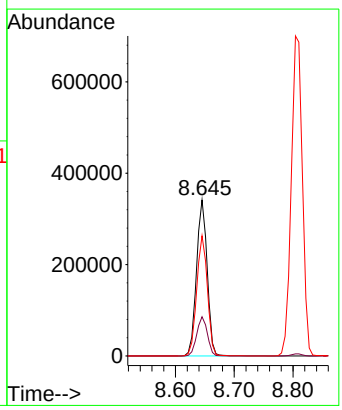


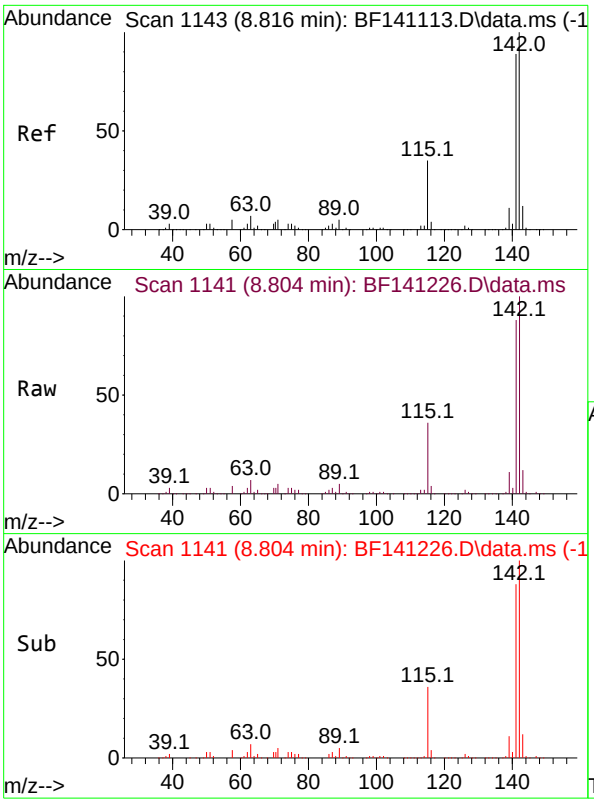


#36
4-Chloro-3-methylphenol
Concen: 39.850 ng
RT: 8.645 min Scan# 1114
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:107 Resp: 431130

Ion	Ratio	Lower	Upper
107	100		
144	25.1	20.4	30.6
142	77.0	62.2	93.2

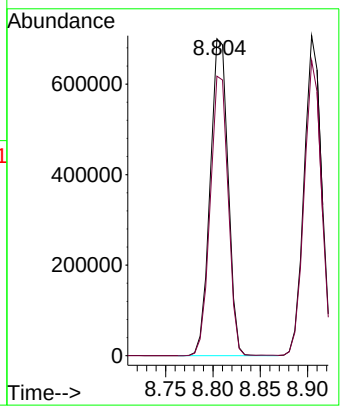




#37
2-Methylnaphthalene
Concen: 39.617 ng
RT: 8.804 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:142 Resp: 91921

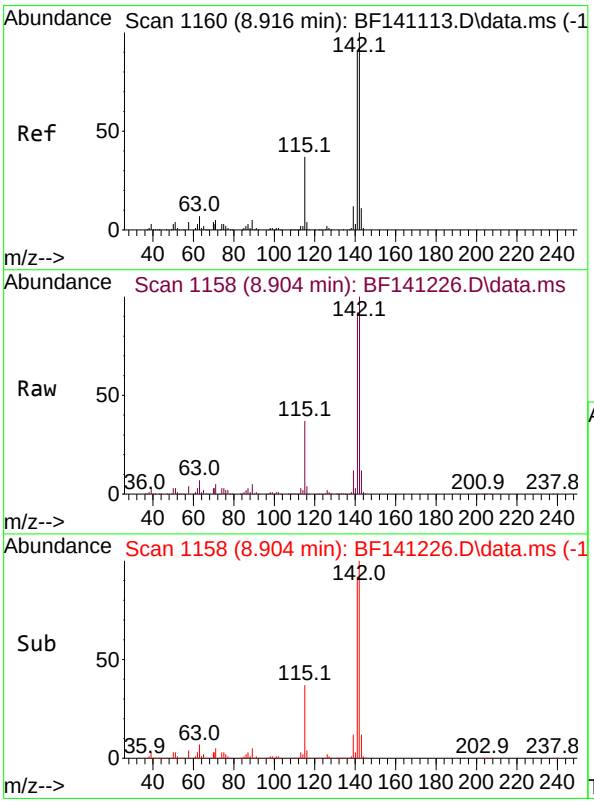
Ion	Ratio	Lower	Upper
142	100		
141	88.2	71.3	106.9



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

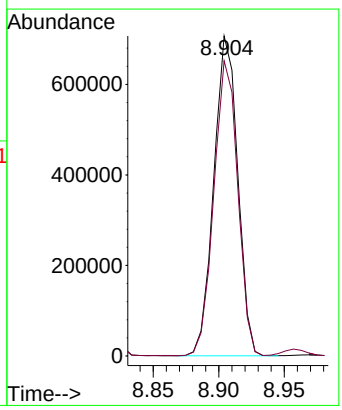
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

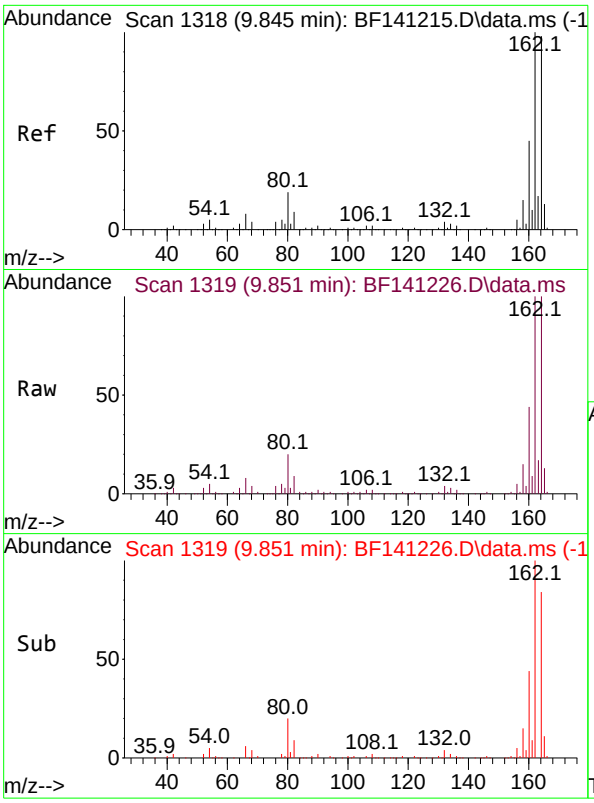


#38
1-Methylnaphthalene
Concen: 39.166 ng
RT: 8.904 min Scan# 1158
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:142 Resp: 895599

Ion	Ratio	Lower	Upper
142	100		
141	92.2	73.1	109.7

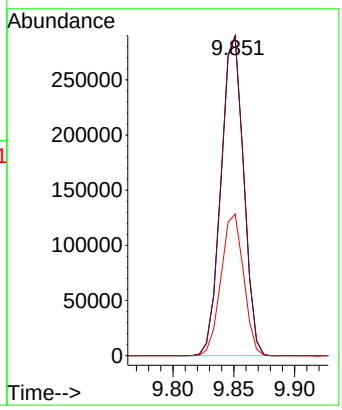




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:164 Resp: 37397

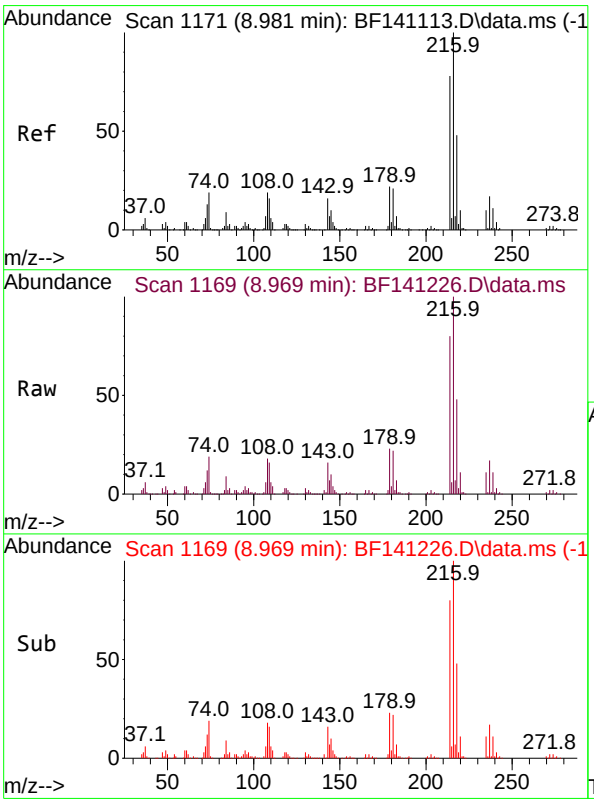
Ion	Ratio	Lower	Upper
164	100		
162	100.2	81.0	121.4
160	44.3	36.1	54.1



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

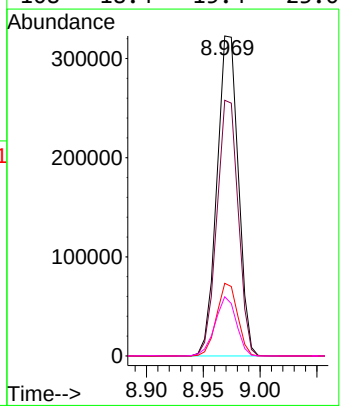
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

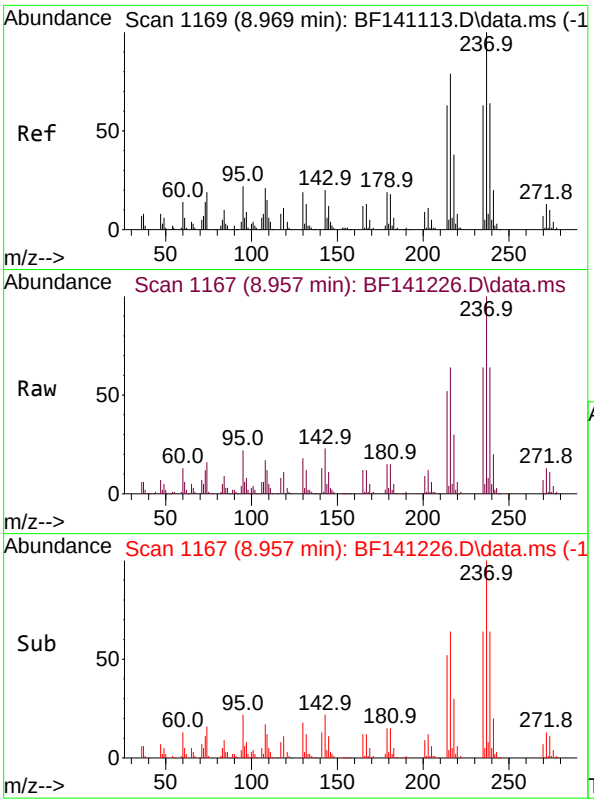


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.388 ng
RT: 8.969 min Scan# 1169
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:216 Resp: 422785

Ion	Ratio	Lower	Upper
216	100		
214	79.5	62.6	94.0
179	22.2	17.7	26.5
108	18.4	15.4	23.0

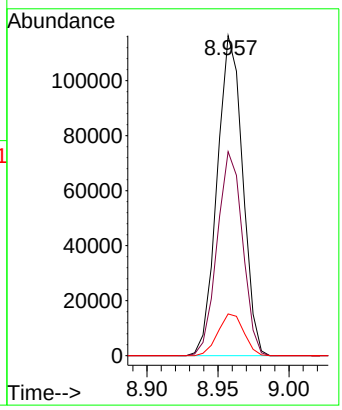




#41
Hexachlorocyclopentadiene
Concen: 41.323 ng
RT: 8.957 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:237 Resp: 14511

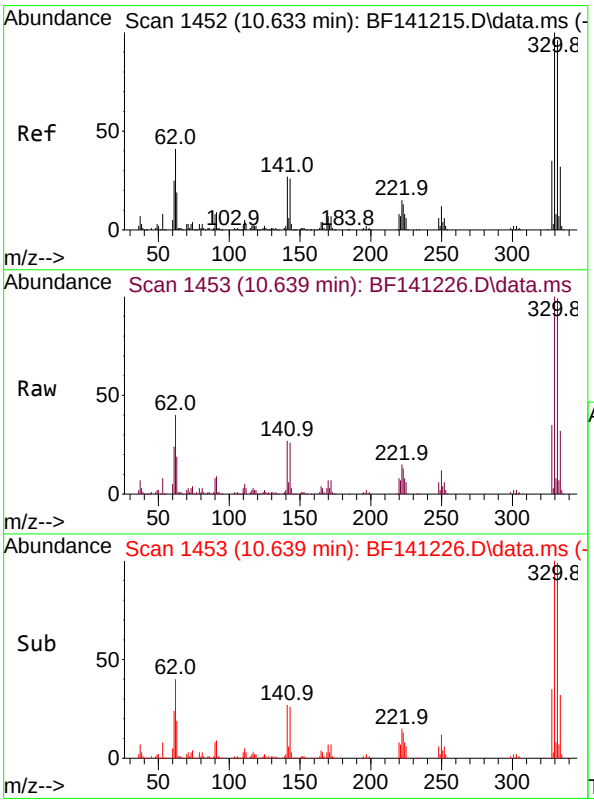
Ion	Ratio	Lower	Upper
237	100		
235	63.7	43.0	83.0
272	13.1	0.0	33.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

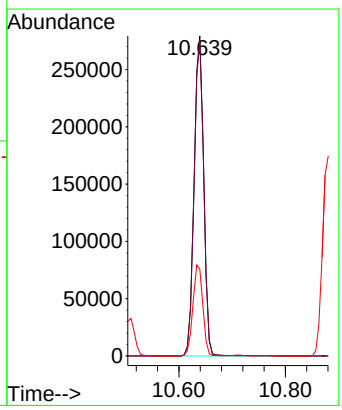
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

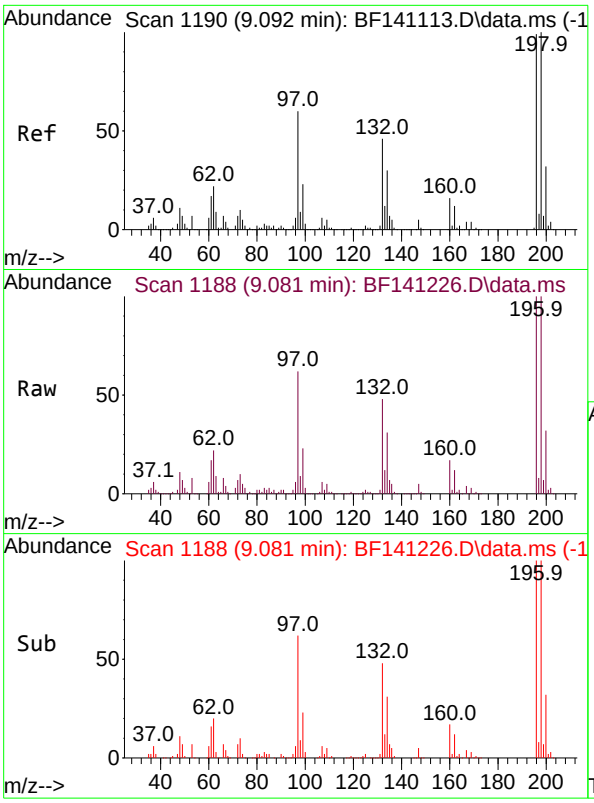


#42
2,4,6-Tribromophenol
Concen: 82.382 ng
RT: 10.639 min Scan# 1453
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:330 Resp: 351047

Ion	Ratio	Lower	Upper
330	100		
332	98.0	76.9	115.3
141	29.3	25.2	37.8

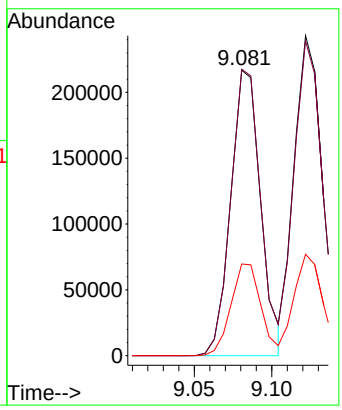




#43
2,4,6-Trichlorophenol
Concen: 40.147 ng
RT: 9.081 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:196 Resp: 29063

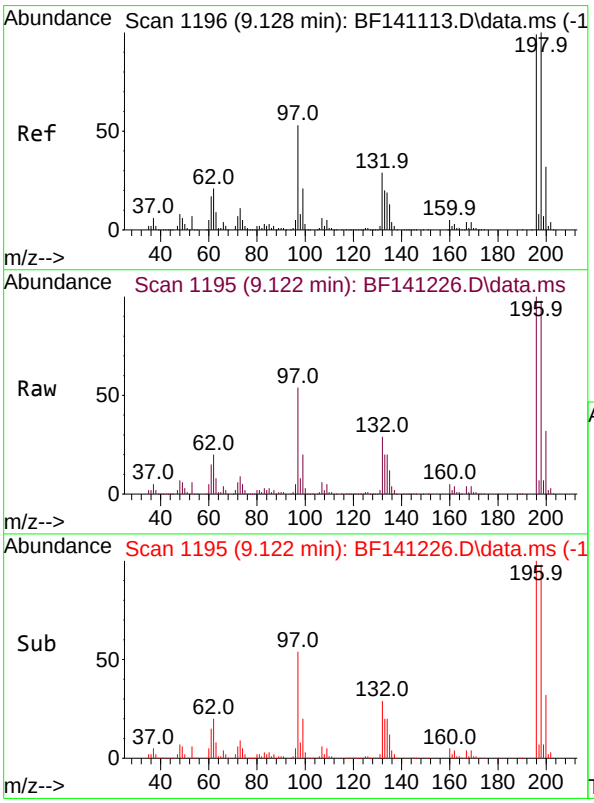
Ion	Ratio	Lower	Upper
196	100		
198	100.4	80.8	121.2
200	32.2	25.7	38.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

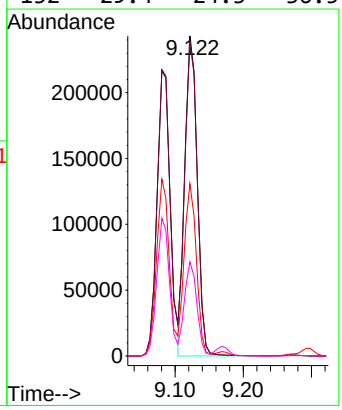
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

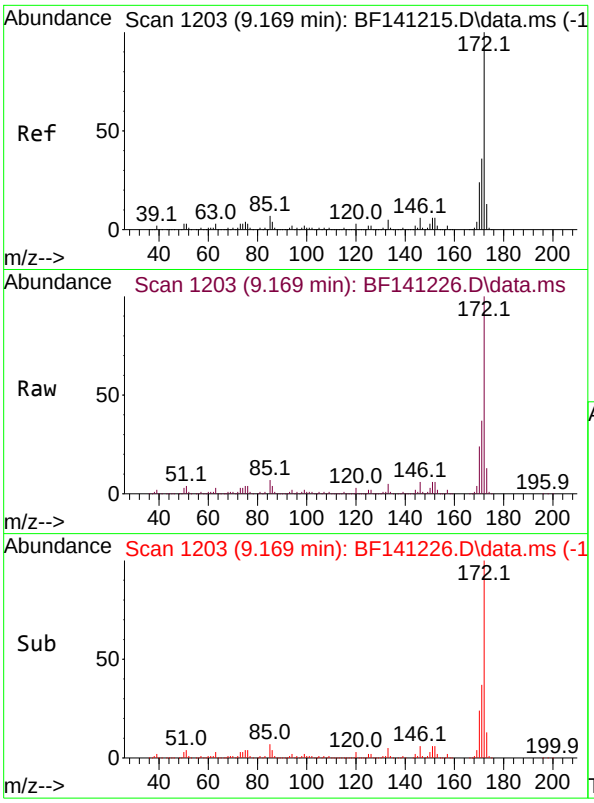


#44
2,4,5-Trichlorophenol
Concen: 40.231 ng
RT: 9.122 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:196 Resp: 307586

Ion	Ratio	Lower	Upper
196	100		
198	98.3	80.6	120.8
97	53.8	43.1	64.7
132	29.4	24.3	36.5

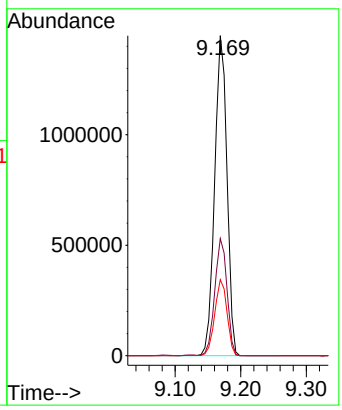




#45
2-Fluorobiphenyl
Concen: 76.807 ng
RT: 9.169 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:172 Resp: 188101

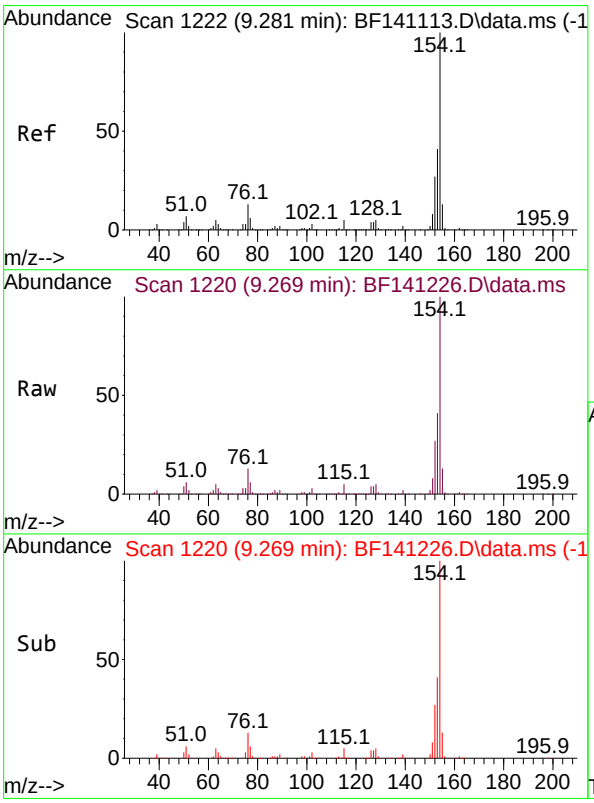
Ion	Ratio	Lower	Upper
172	100		
171	36.6	28.7	43.1
170	23.8	19.0	28.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

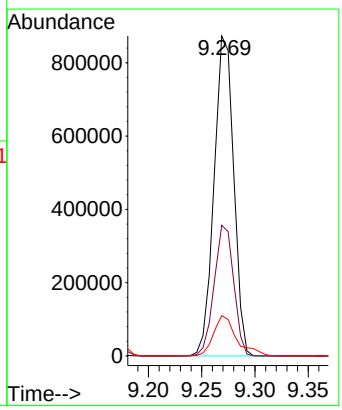
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

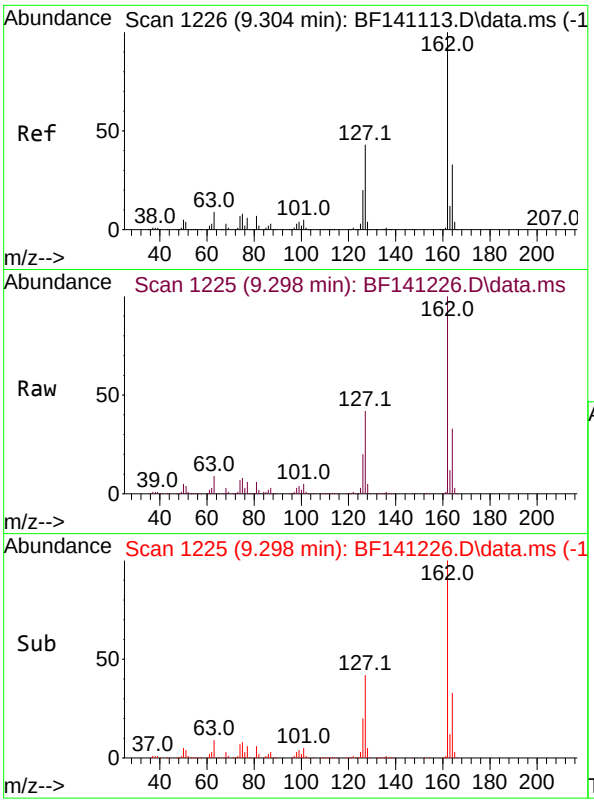


#46
1,1'-Biphenyl
Concen: 38.447 ng
RT: 9.269 min Scan# 1220
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:154 Resp: 1116612

Ion	Ratio	Lower	Upper
154	100		
153	40.8	20.7	60.7
76	12.6	0.0	33.1

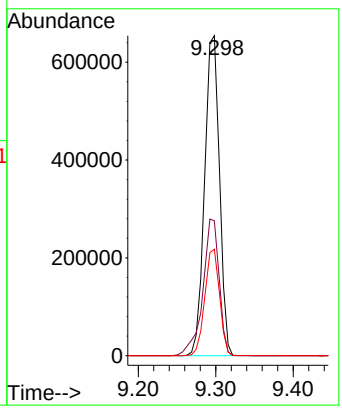




#47
2-Chloronaphthalene
Concen: 38.561 ng
RT: 9.298 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:162 Resp: 87228

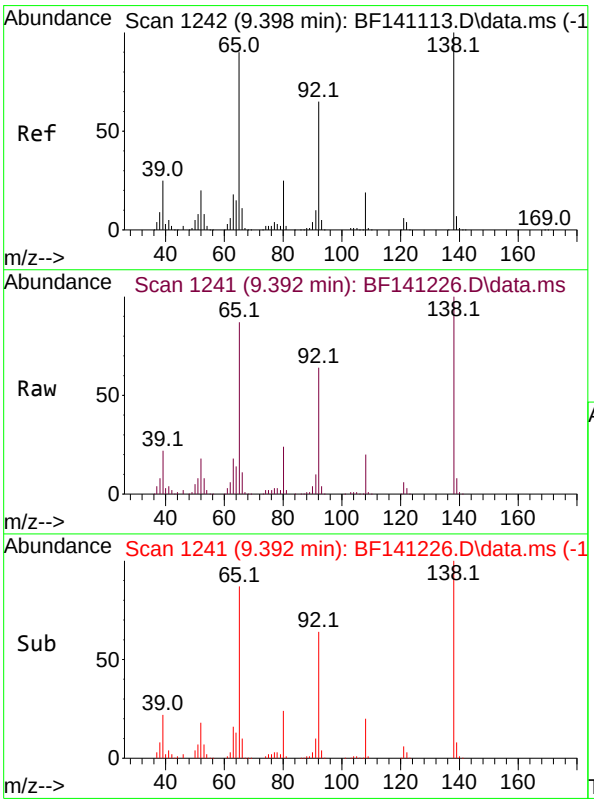
Ion	Ratio	Lower	Upper
162	100		
127	42.2	34.6	51.8
164	33.2	26.5	39.7



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

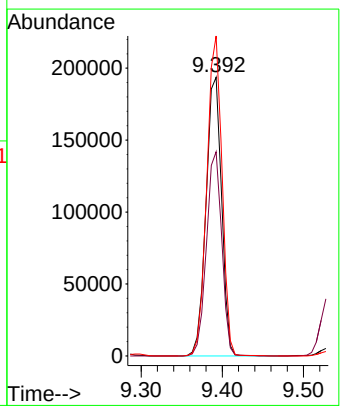
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

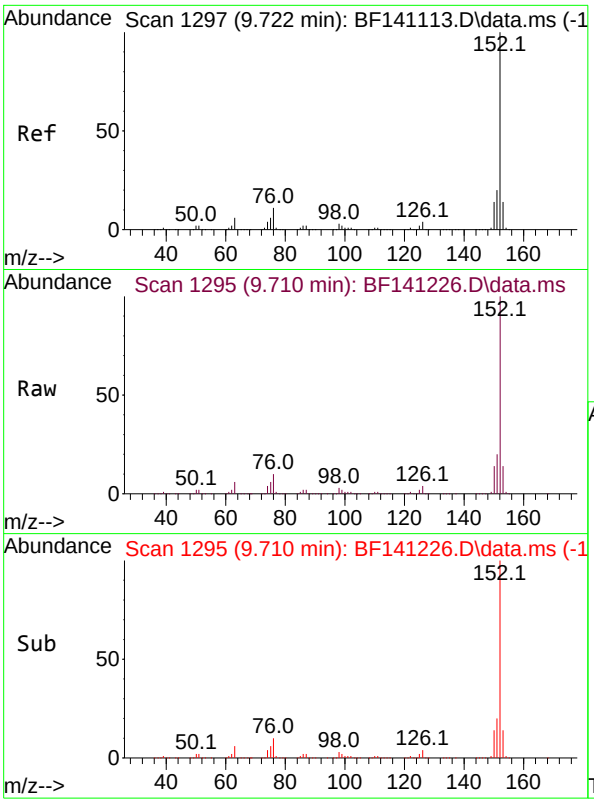


#48
2-Nitroaniline
Concen: 38.328 ng
RT: 9.392 min Scan# 1241
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion: 65 Resp: 257010

Ion	Ratio	Lower	Upper
65	100		
92	73.3	58.3	87.5
138	114.8	89.1	133.7

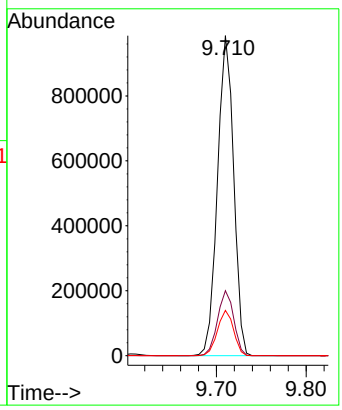




#49
Acenaphthylene
Concen: 38.200 ng
RT: 9.710 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:152 Resp: 123454

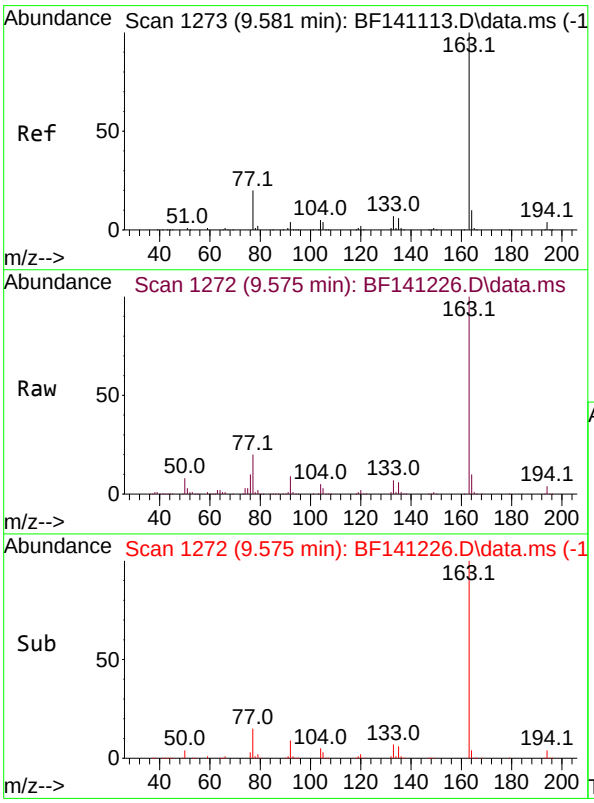
Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.1	24.1
153	14.2	11.1	16.7



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

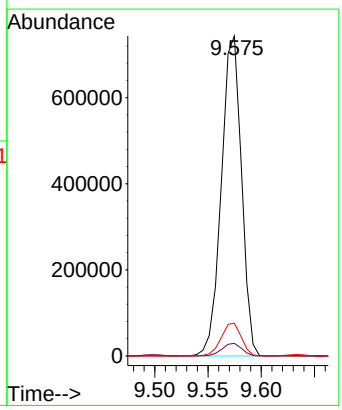
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

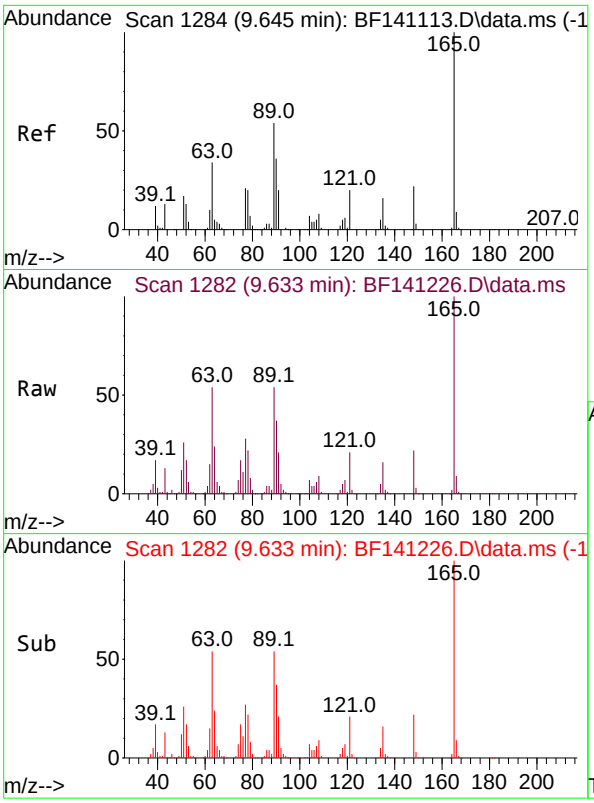


#50
Dimethylphthalate
Concen: 38.849 ng
RT: 9.575 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:163 Resp: 975349

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.0	4.6
164	10.3	8.2	12.4





#51
2,6-Dinitrotoluene
Concen: 39.853 ng
RT: 9.633 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

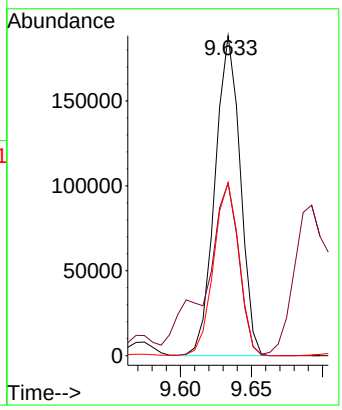
Tgt Ion:165 Resp: 23268

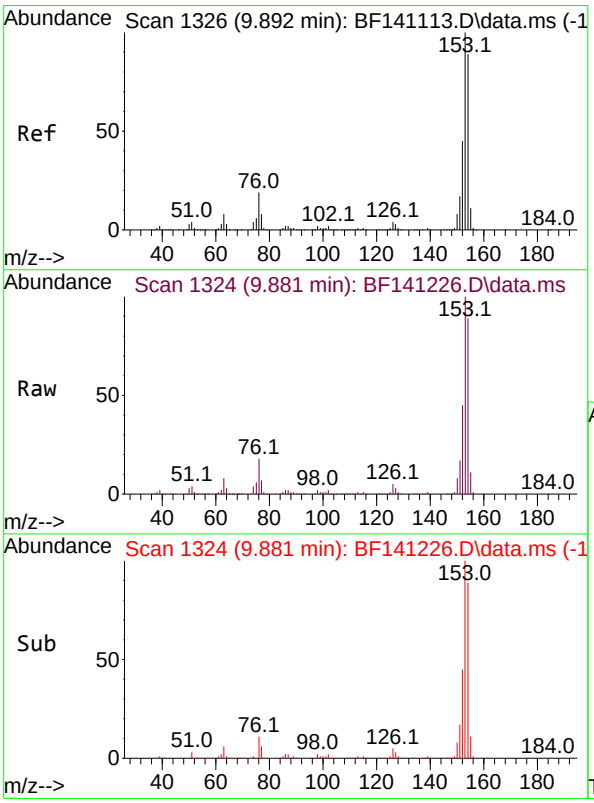
Ion	Ratio	Lower	Upper
165	100		
63	54.0	42.3	63.5
89	54.1	43.1	64.7

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

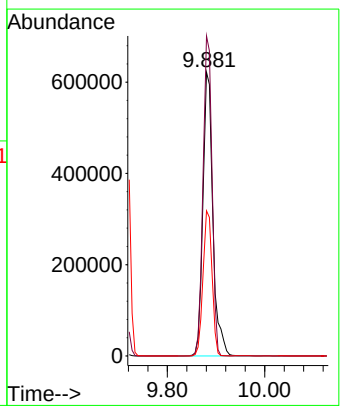


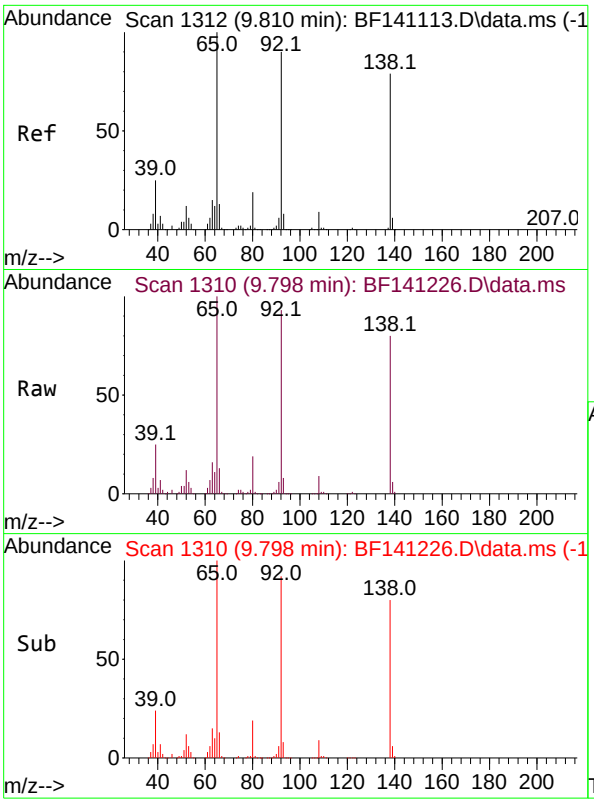


#52
Acenaphthene
Concen: 38.990 ng
RT: 9.881 min Scan# 1324
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:154 Resp: 880373

Ion	Ratio	Lower	Upper
154	100		
153	112.8	89.8	134.6
152	51.2	40.8	61.2





#53
3-Nitroaniline
Concen: 37.537 ng
RT: 9.798 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

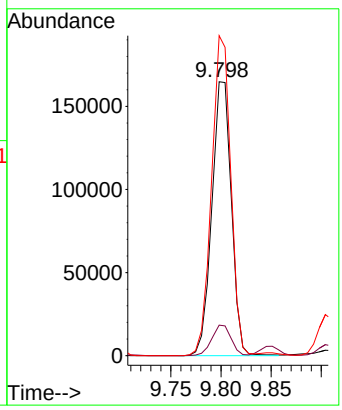
Tgt Ion:138 Resp: 22271

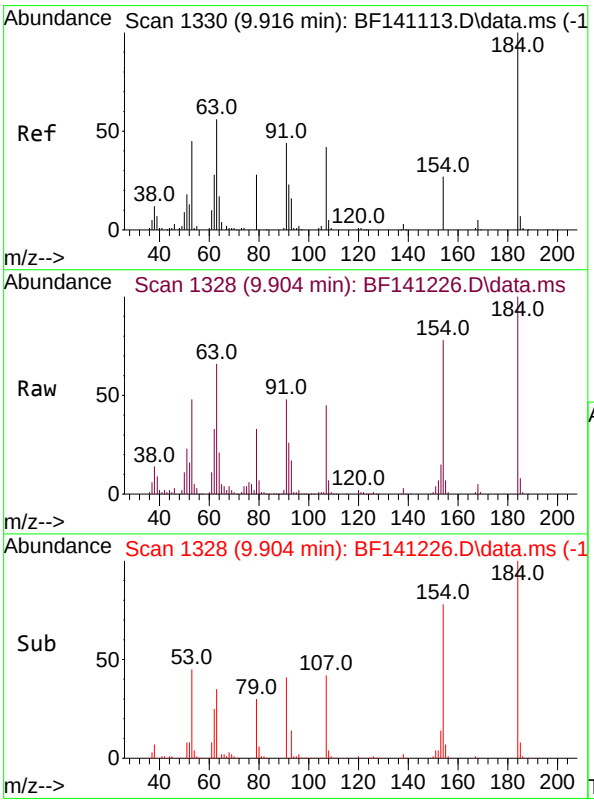
Ion	Ratio	Lower	Upper
138	100		
108	11.1	8.8	13.2
92	116.8	91.3	136.9

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

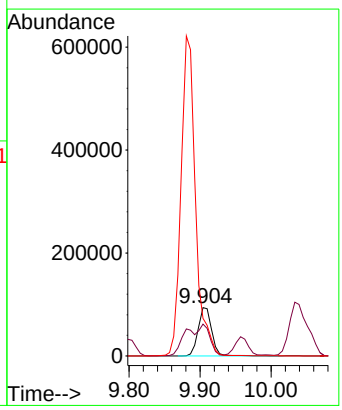


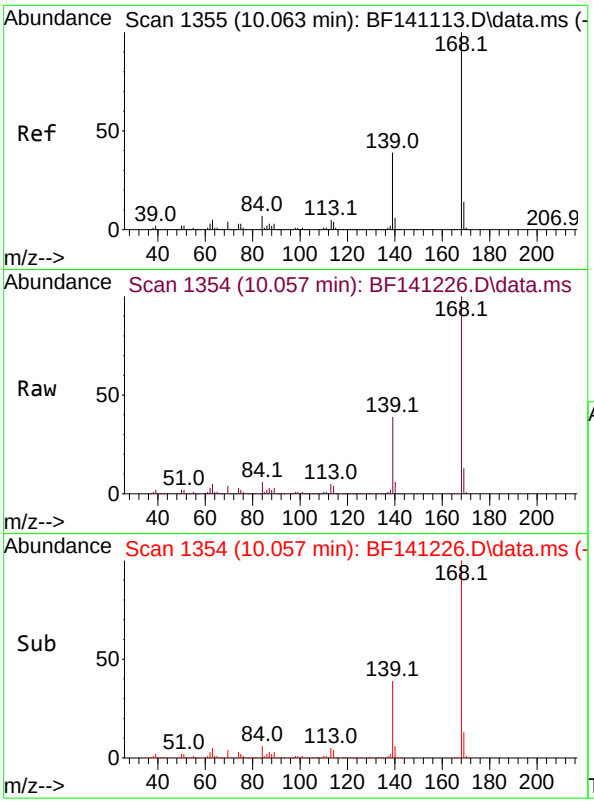


#54
2,4-Dinitrophenol
Concen: 45.070 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:184 Resp: 125075

Ion	Ratio	Lower	Upper
184	100		
63	65.9	48.7	73.1
154	77.8	57.1	85.7

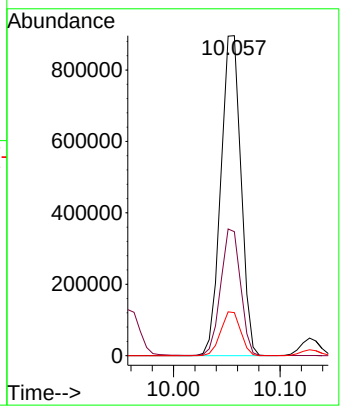




#55
Dibenzofuran
Concen: 38.244 ng
RT: 10.057 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:168 Resp: 117454

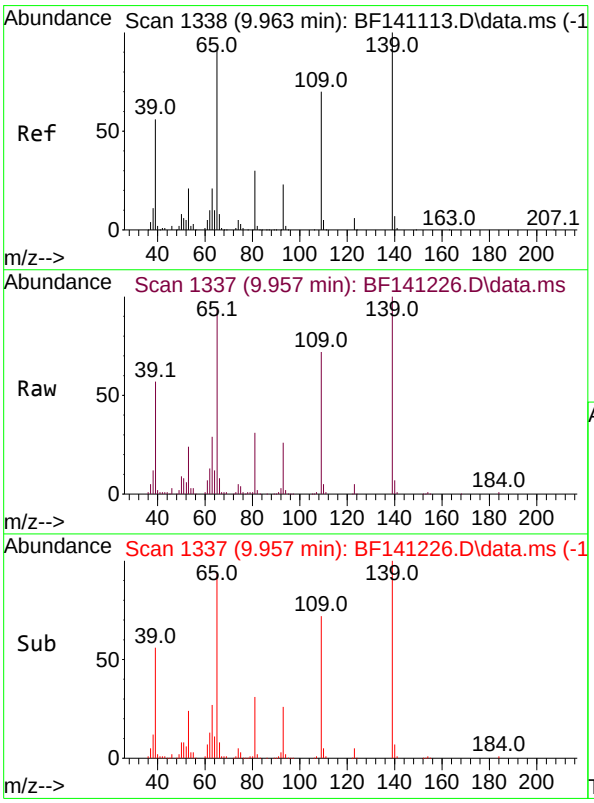
Ion	Ratio	Lower	Upper
168	100		
139	38.8	31.4	47.0
169	13.4	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
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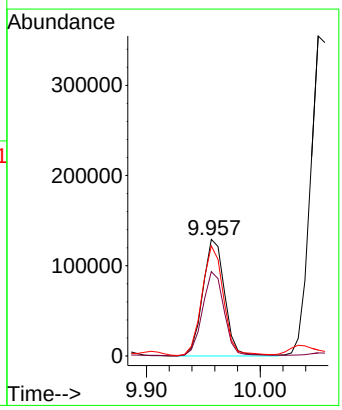
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

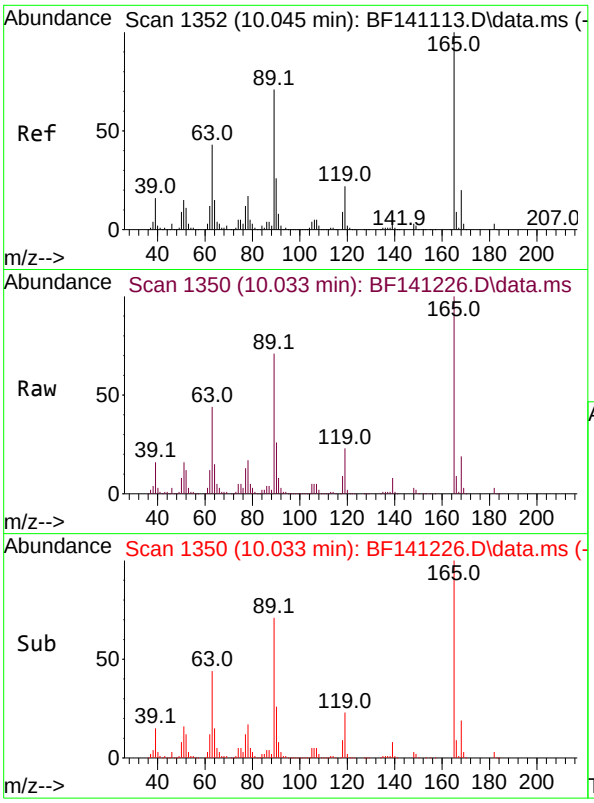


#56
4-Nitrophenol
Concen: 37.107 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:139 Resp: 172418

Ion	Ratio	Lower	Upper
139	100		
109	72.4	50.2	90.2
65	94.5	72.1	112.1

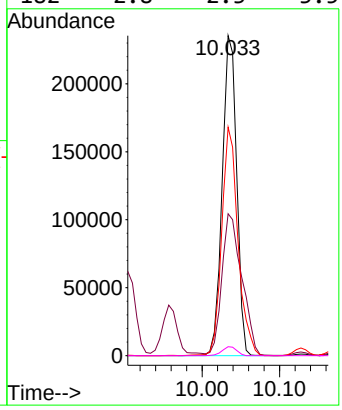




#57
2,4-Dinitrotoluene
Concen: 40.471 ng
RT: 10.033 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:165 Resp: 30450

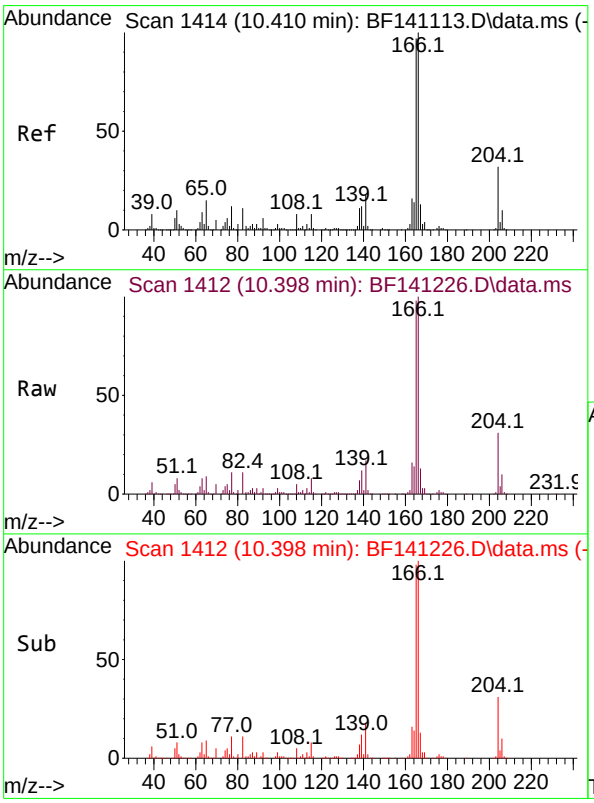
Ion	Ratio	Lower	Upper
165	100		
63	44.4	35.0	52.4
89	71.4	56.7	85.1
182	2.8	2.3	3.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

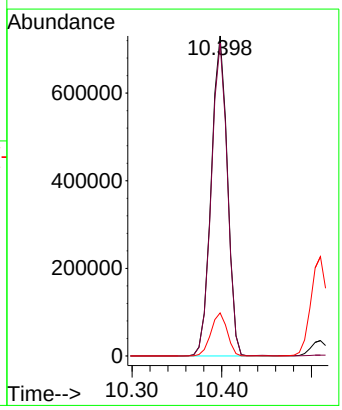
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

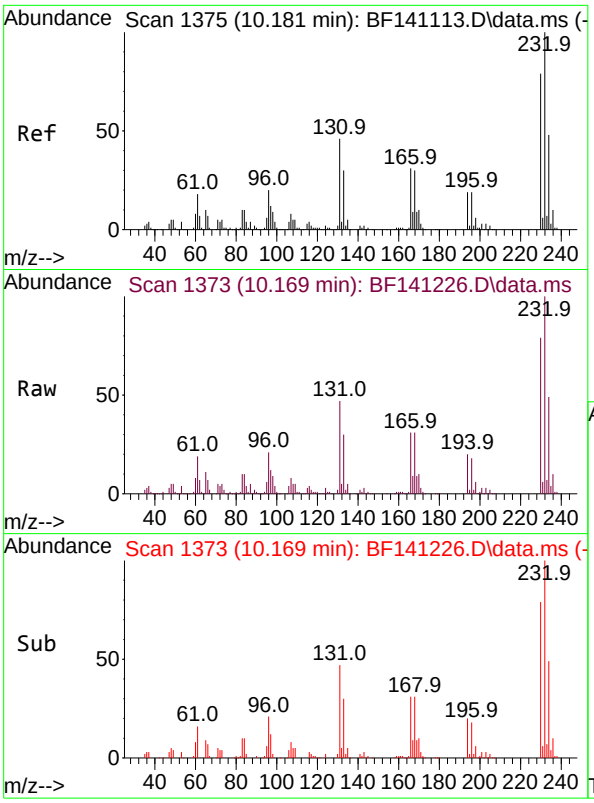


#58
Fluorene
Concen: 38.205 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:166 Resp: 911591

Ion	Ratio	Lower	Upper
166	100		
165	97.7	77.8	116.8
167	13.5	10.8	16.2

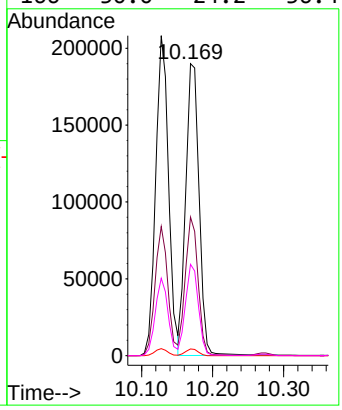




#59
2,3,4,6-Tetrachlorophenol
Concen: 38.983 ng
RT: 10.169 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:232 Resp: 24774

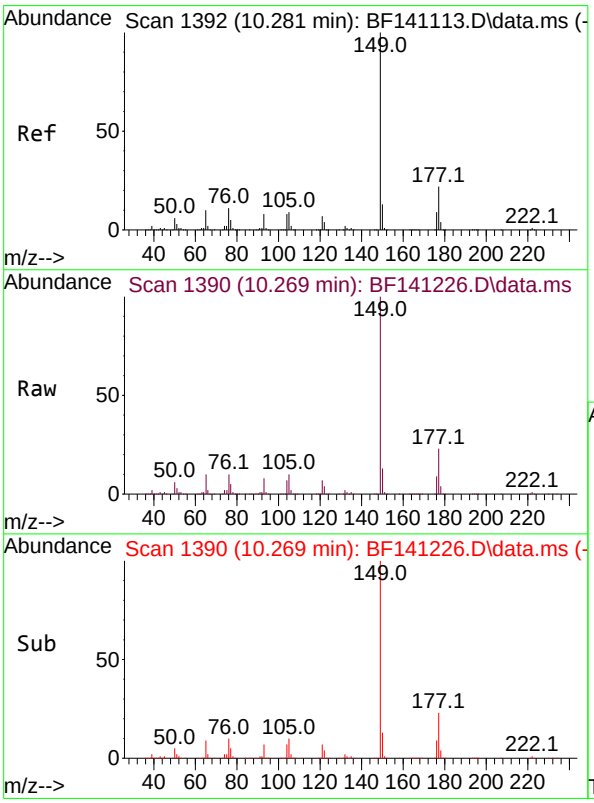
Ion	Ratio	Lower	Upper
232	100		
131	45.4	36.2	54.4
130	2.2	2.0	3.0
166	30.0	24.2	36.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

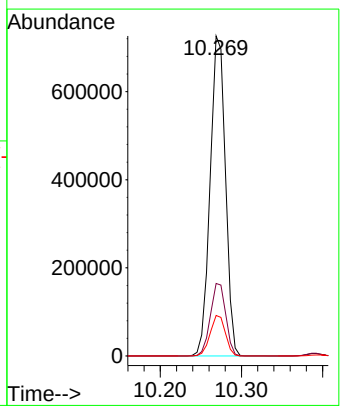
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

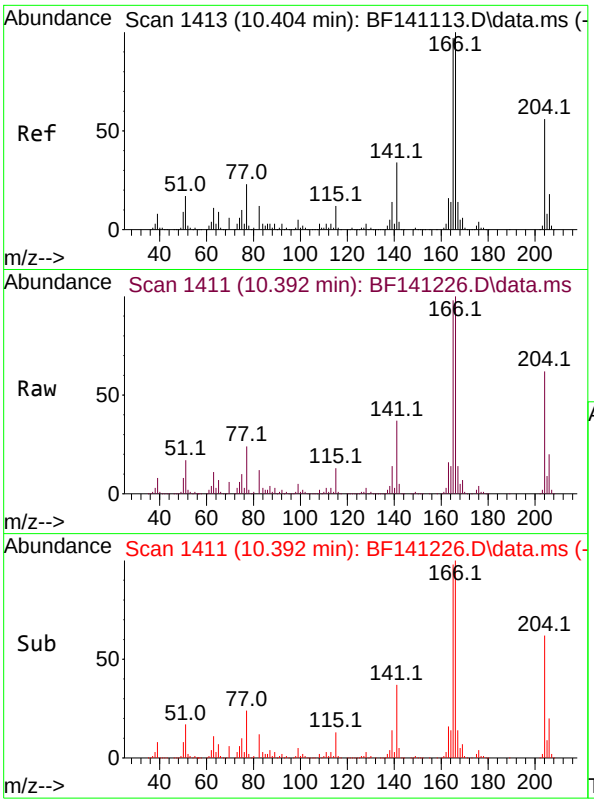


#60
Diethylphthalate
Concen: 38.745 ng
RT: 10.269 min Scan# 1390
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:149 Resp: 949655

Ion	Ratio	Lower	Upper
149	100		
177	22.7	17.9	26.9
150	12.7	10.2	15.2

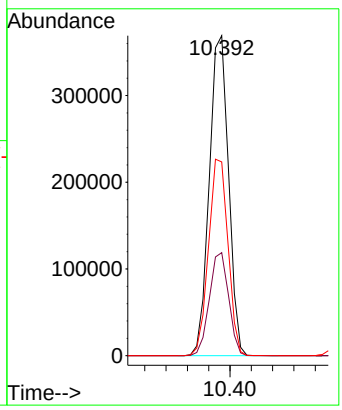




#61
4-Chlorophenyl-phenylether
Concen: 39.736 ng
RT: 10.392 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:204 Resp: 46209

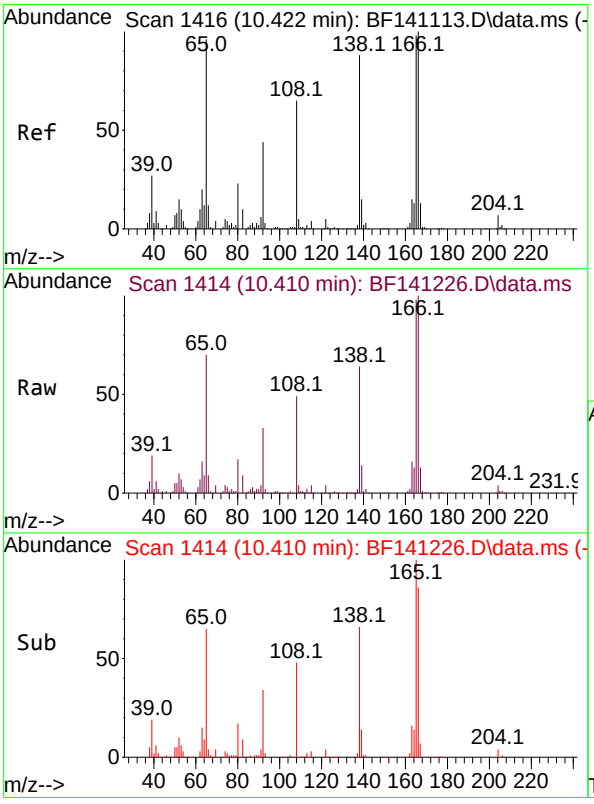
Ion	Ratio	Lower	Upper
204	100		
206	32.2	25.9	38.9
141	60.5	49.1	73.7



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

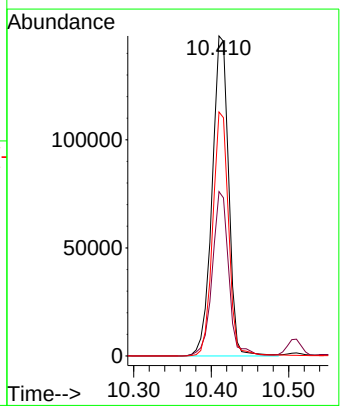
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

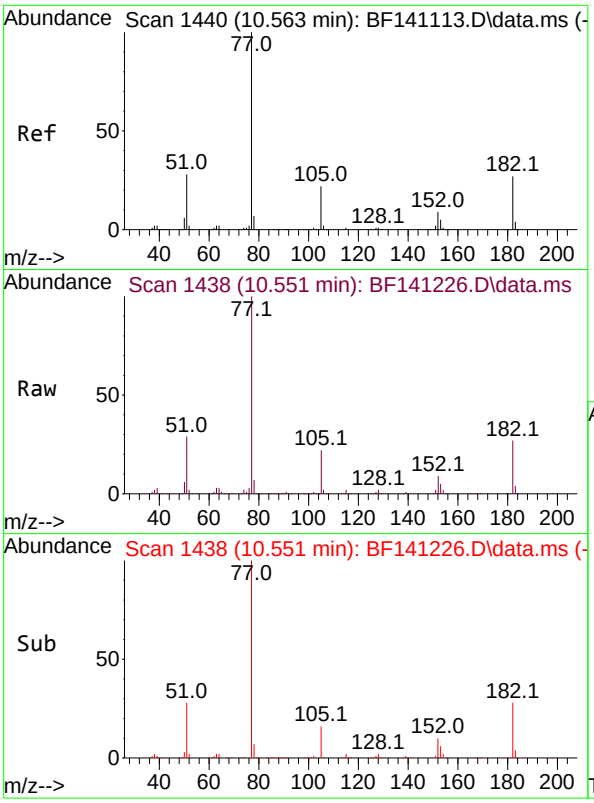


#62
4-Nitroaniline
Concen: 37.729 ng
RT: 10.410 min Scan# 1414
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:138 Resp: 219093

Ion	Ratio	Lower	Upper
138	100		
92	51.3	29.4	69.4
108	76.2	53.7	93.7

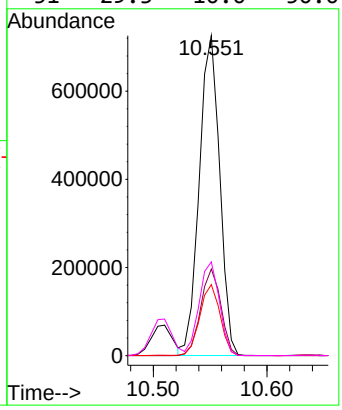




#63
Azobenzene
Concen: 37.525 ng
RT: 10.551 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion: 77 Resp: 90754

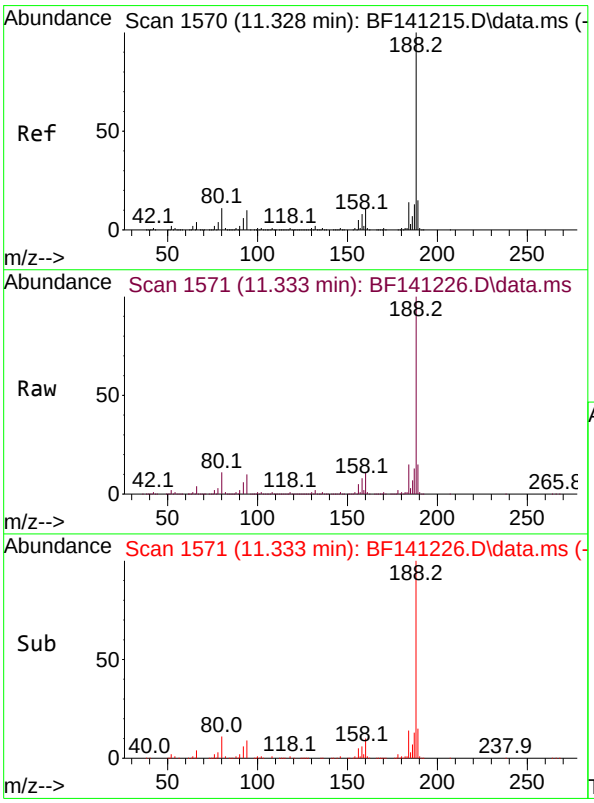
Ion	Ratio	Lower	Upper
77	100		
182	27.1	6.1	46.1
105	22.2	2.1	42.1
51	29.3	10.0	50.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

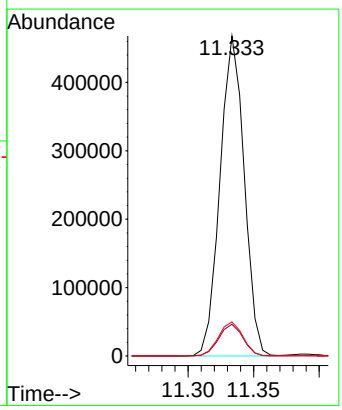
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

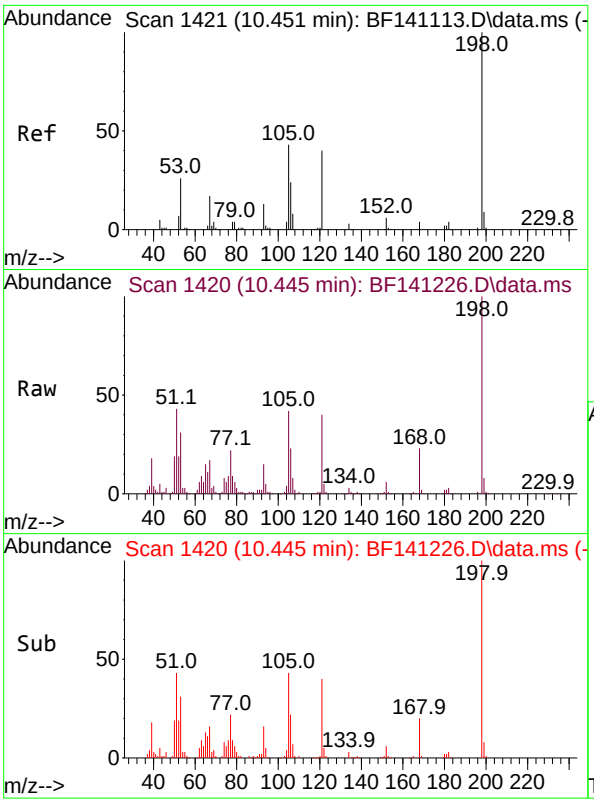


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.333 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:188 Resp: 599666

Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.3	12.5
80	10.7	9.0	13.4





#65
4,6-Dinitro-2-methylphenol
Concen: 48.797 ng
RT: 10.445 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

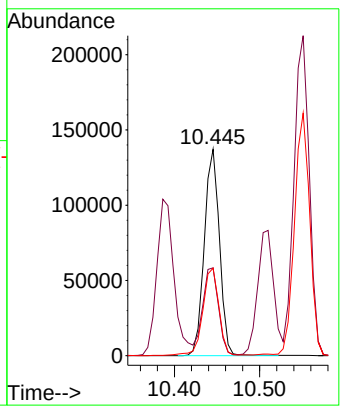
Tgt Ion:198 Resp: 16956

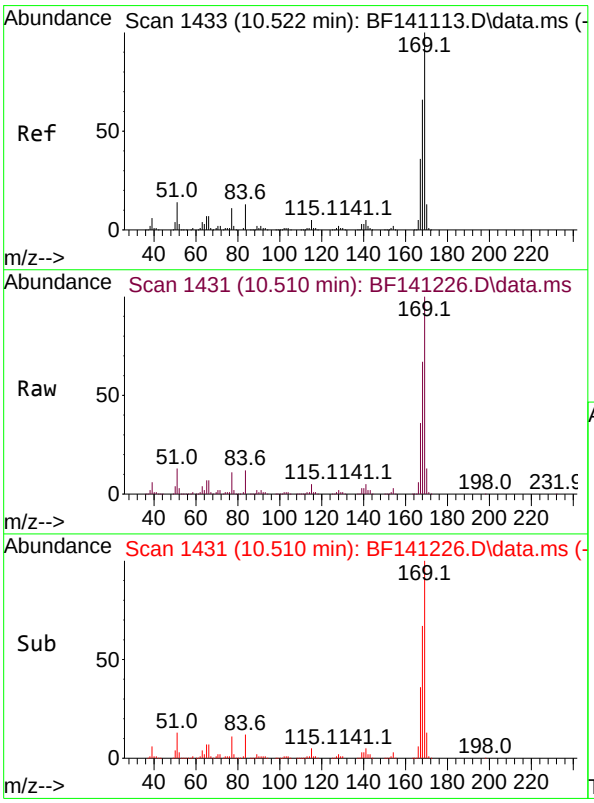
Ion	Ratio	Lower	Upper
198	100		
51	42.6	27.1	67.1
105	42.4	24.2	64.2

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
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Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

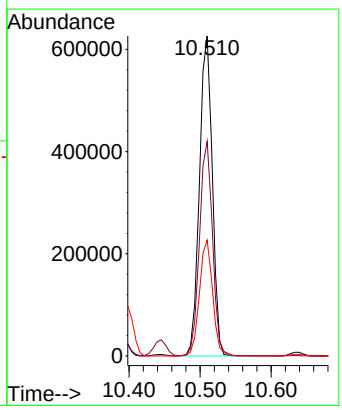


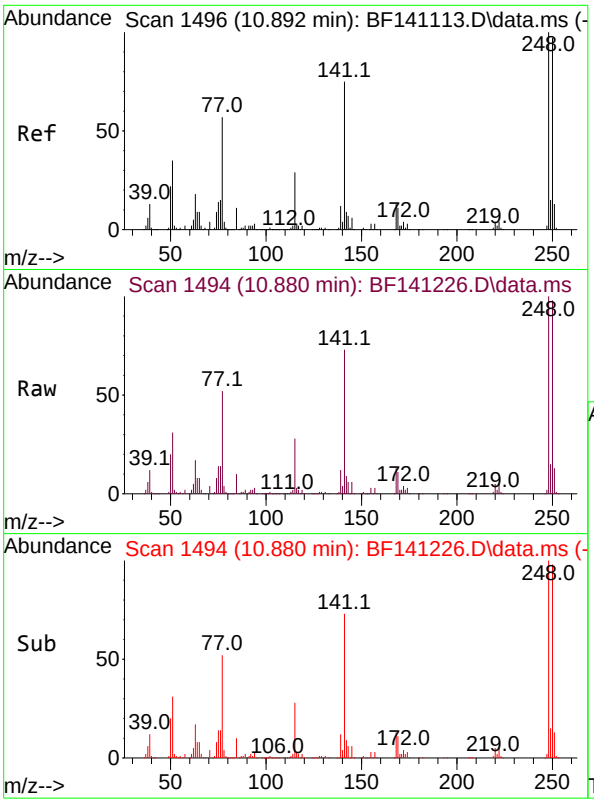


#66
n-Nitrosodiphenylamine
Concen: 40.779 ng
RT: 10.510 min Scan# 1431
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:169 Resp: 788748

Ion	Ratio	Lower	Upper
169	100		
168	67.0	52.5	78.7
167	36.2	28.9	43.3

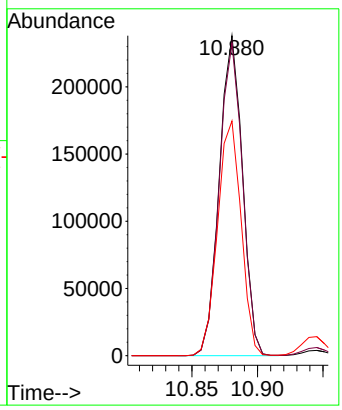




#67
4-Bromophenyl-phenylether
Concen: 42.342 ng
RT: 10.880 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:248 Resp: 29232

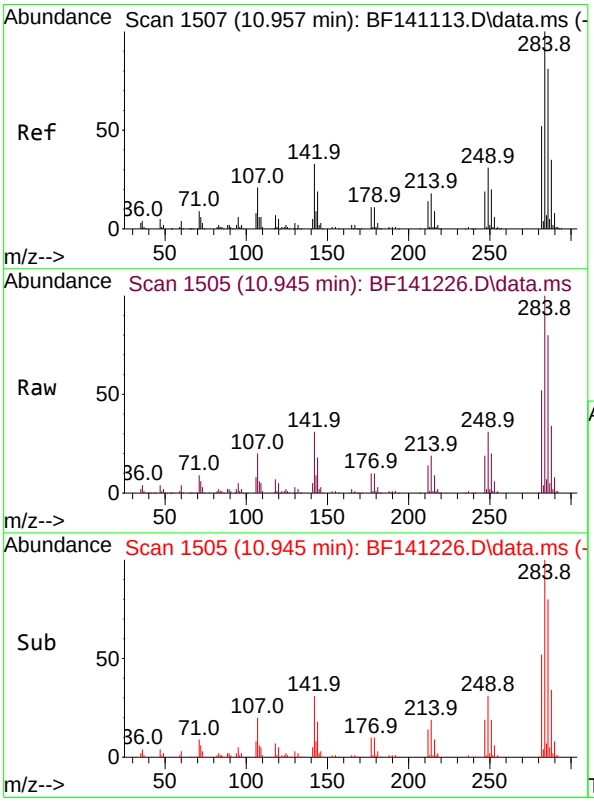
Ion	Ratio	Lower	Upper
248	100		
250	97.6	77.9	116.9
141	73.4	59.9	89.9



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

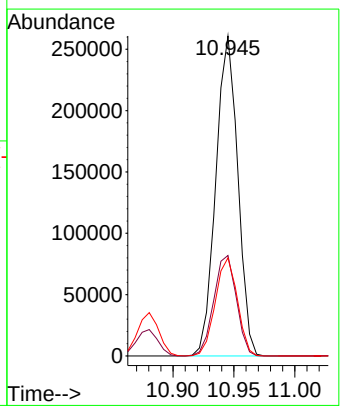
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

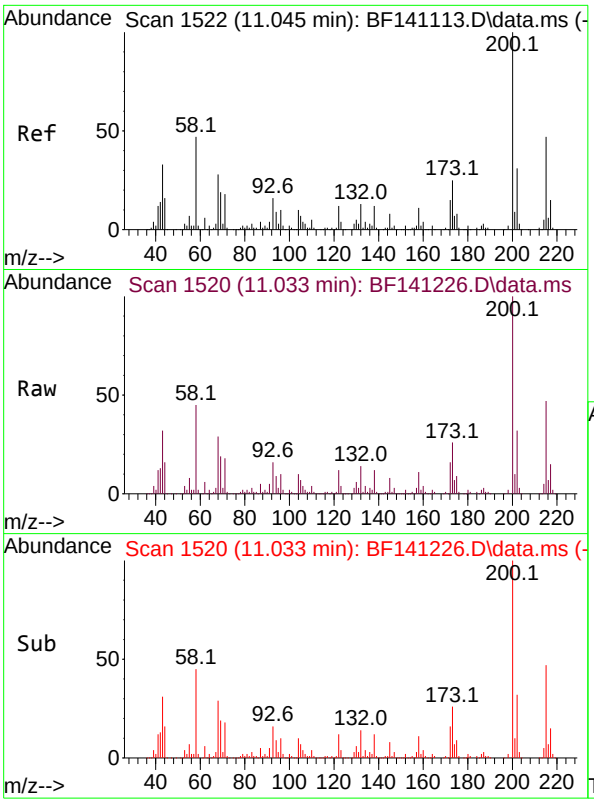


#68
Hexachlorobenzene
Concen: 42.682 ng
RT: 10.945 min Scan# 1505
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:284 Resp: 328024

Ion	Ratio	Lower	Upper
284	100		
142	31.4	26.3	39.5
249	30.7	24.9	37.3

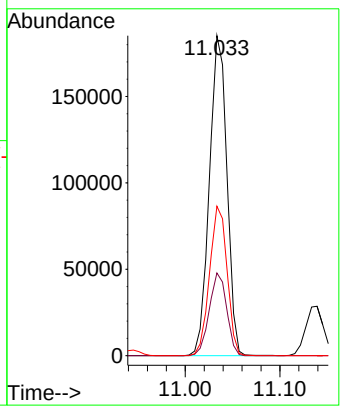




#69
Atrazine
Concen: 45.599 ng
RT: 11.033 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:200 Resp: 23747

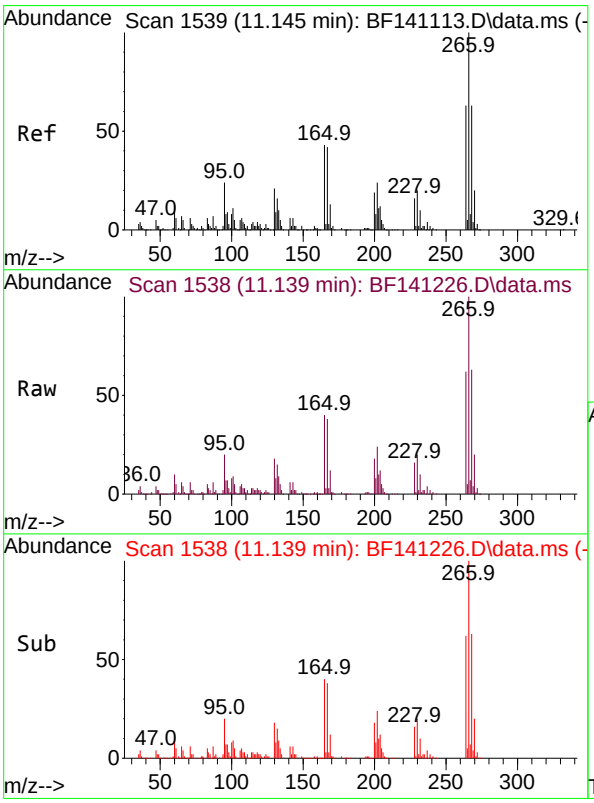
Ion	Ratio	Lower	Upper
200	100		
173	25.8	5.4	45.4
215	46.7	26.6	66.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
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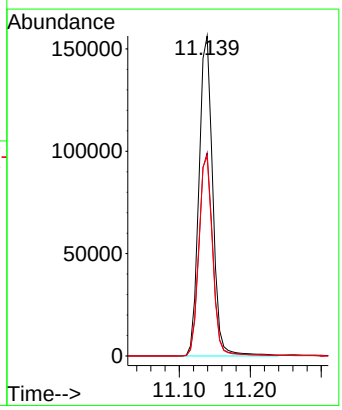
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

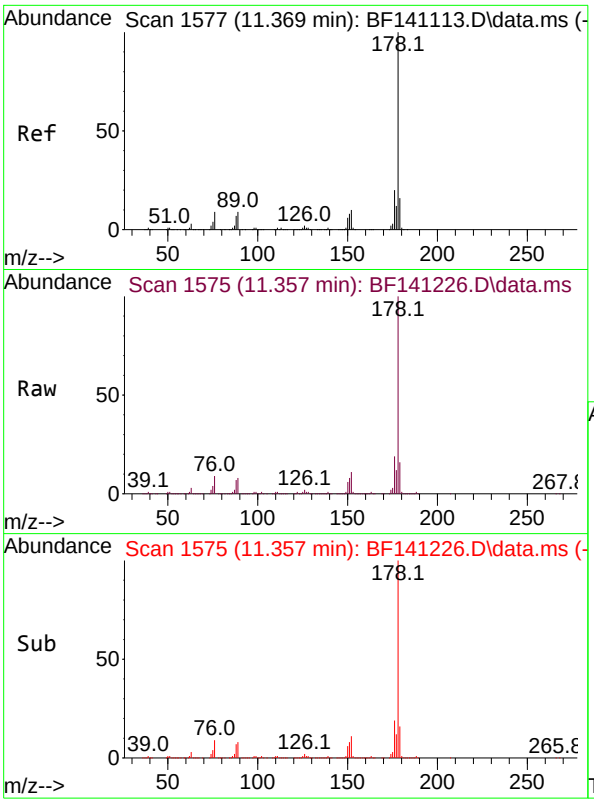


#70
Pentachlorophenol
Concen: 42.835 ng
RT: 11.139 min Scan# 1538
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:266 Resp: 210825

Ion	Ratio	Lower	Upper
266	100		
268	63.5	50.4	75.6
264	62.3	50.2	75.2

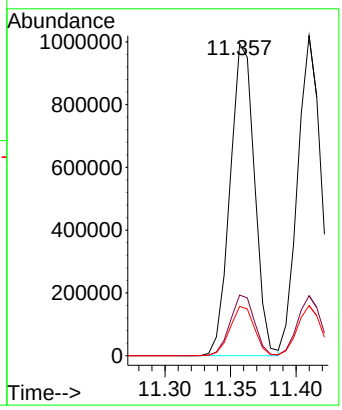




#71
Phenanthrene
Concen: 40.163 ng
RT: 11.357 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:178 Resp: 129300

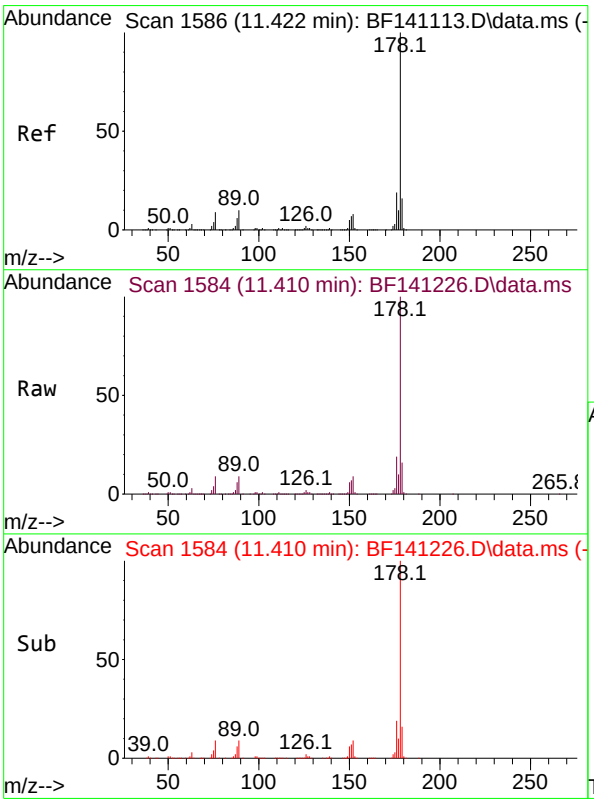
Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.7	23.5
179	15.8	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

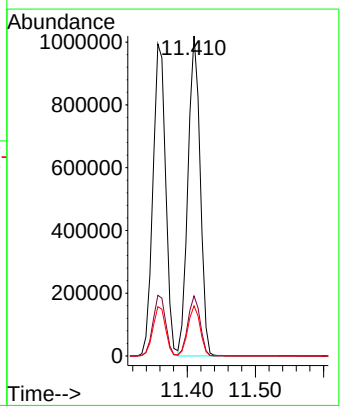
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

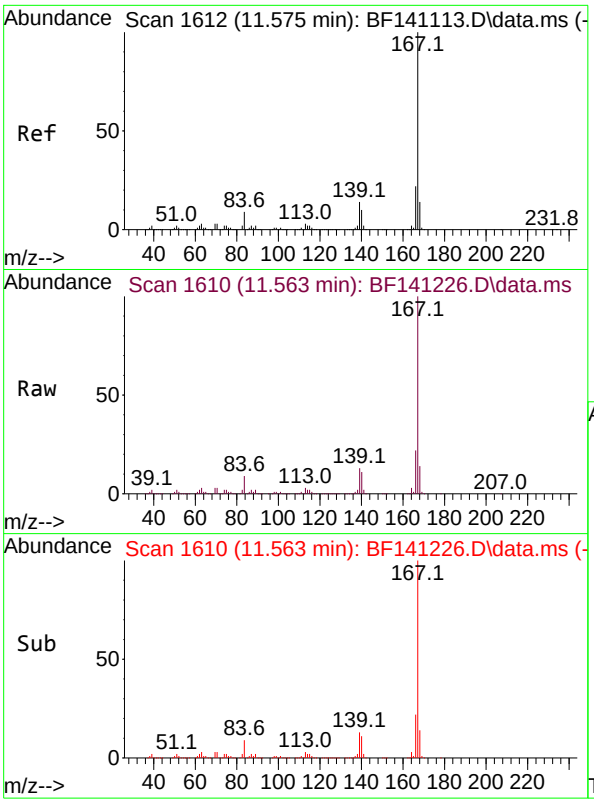


#72
Anthracene
Concen: 40.167 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:178 Resp: 1257400

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.9	22.3
179	15.7	12.6	19.0





#73
Carbazole
Concen: 39.162 ng
RT: 11.563 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

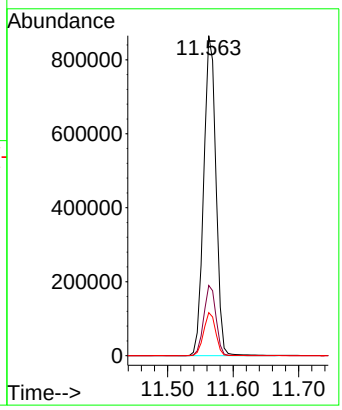
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

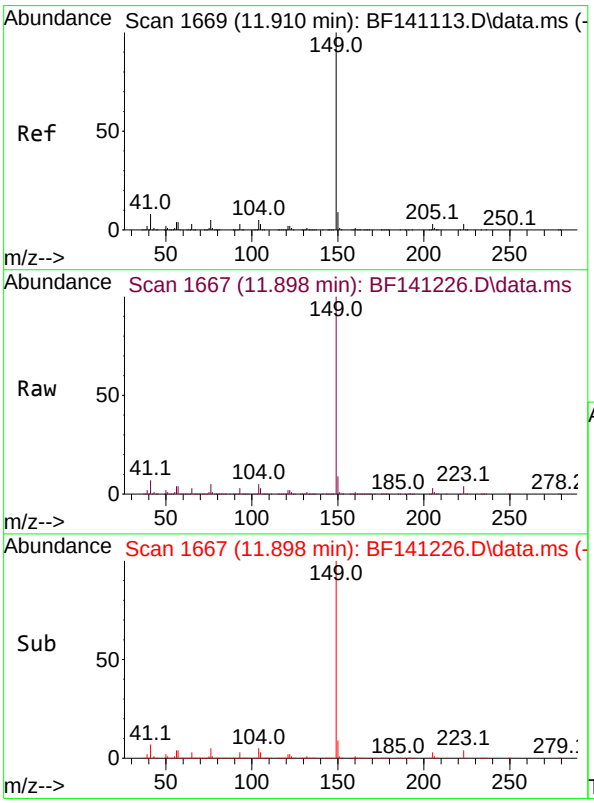
Tgt Ion:167 Resp: 112408

Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.4	26.2
139	13.4	10.9	16.3

Manual Integrations
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Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

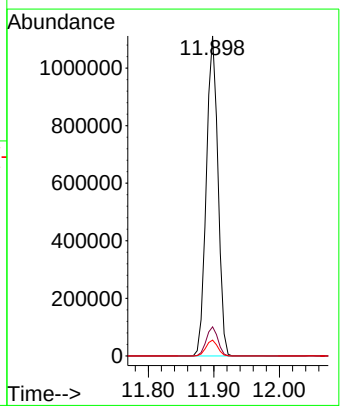


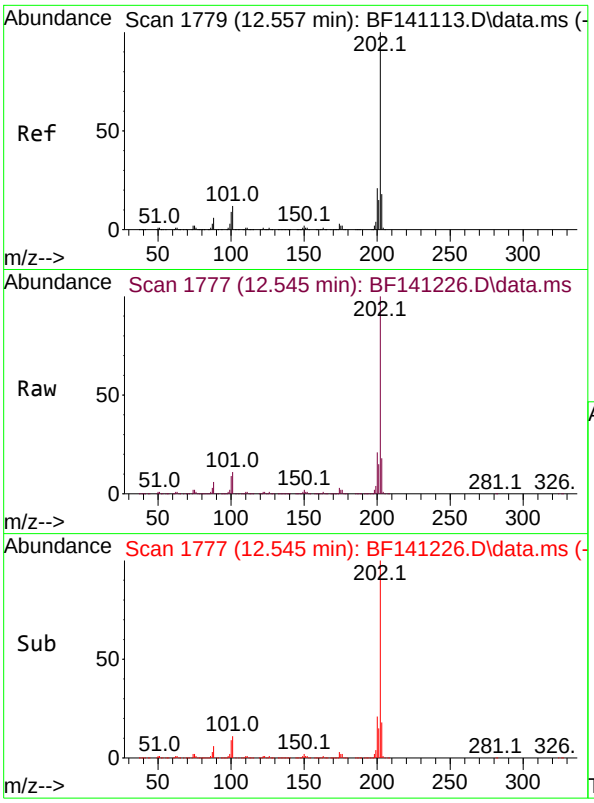


#74
Di-n-butylphthalate
Concen: 41.773 ng
RT: 11.898 min Scan# 1667
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:149 Resp: 1372194

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.2
104	5.0	4.2	6.2





#75
Fluoranthene
Concen: 39.548 ng
RT: 12.545 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

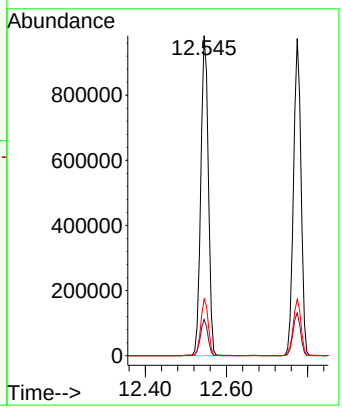
Tgt Ion:202 Resp: 127054

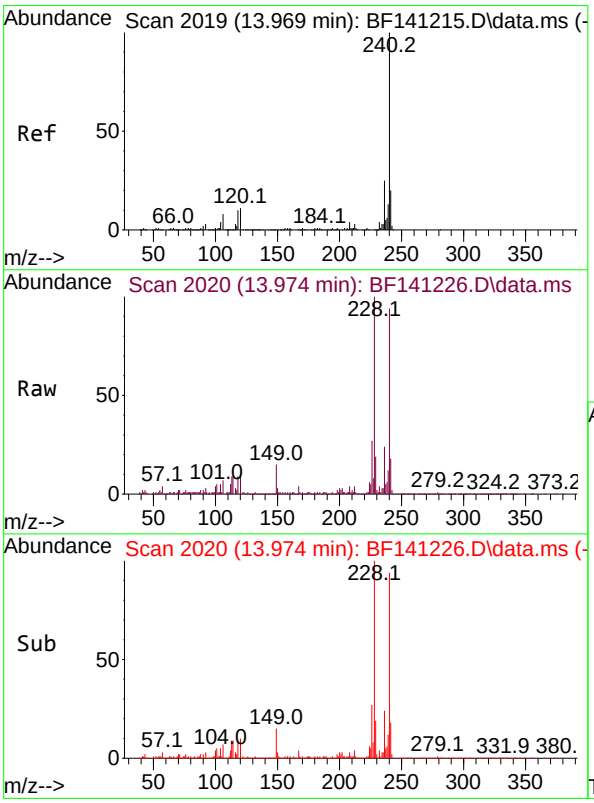
Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	32.3
203	17.6	0.0	37.7

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
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Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

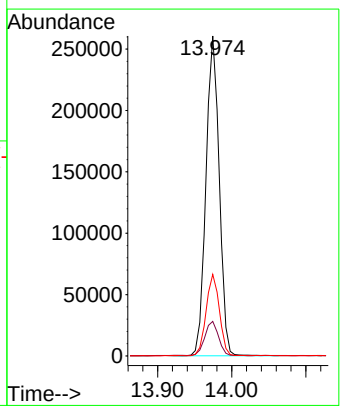


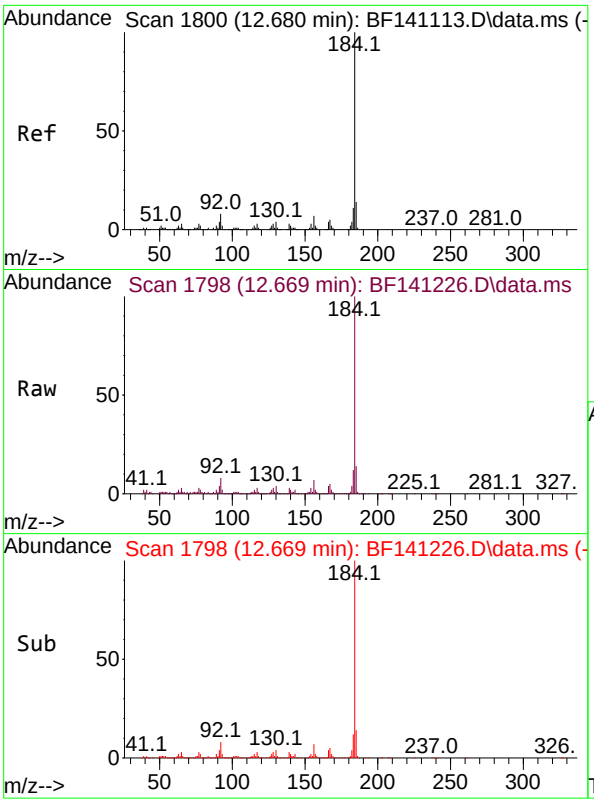


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:240 Resp: 324852

Ion	Ratio	Lower	Upper
240	100		
120	10.8	9.1	13.7
236	25.5	19.8	29.6

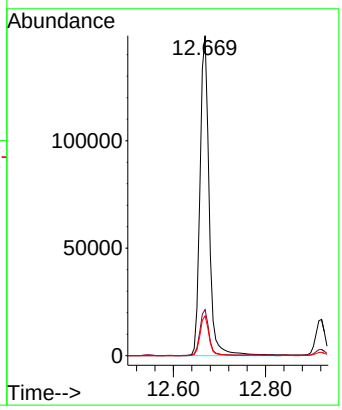




#77
Benzidine
Concen: 34.182 ng
RT: 12.669 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:184 Resp: 20592

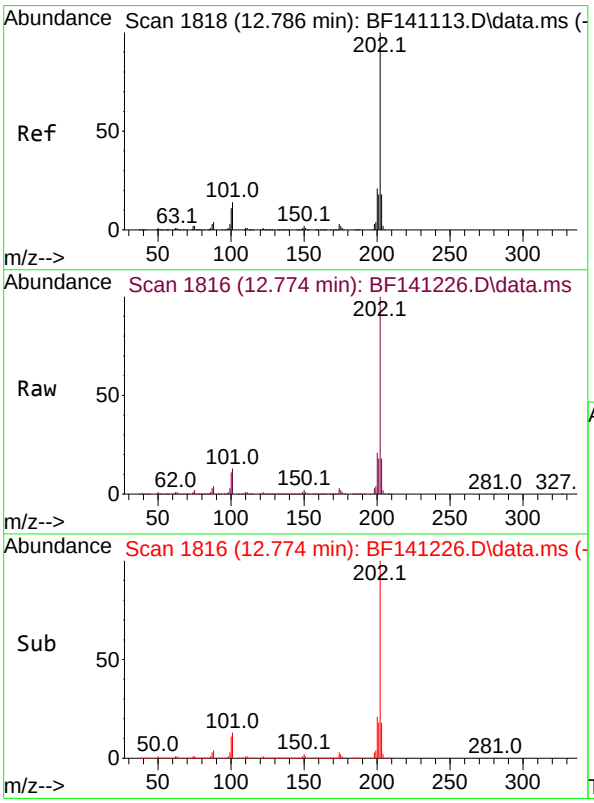
Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.4	17.0
183	12.4	9.2	13.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
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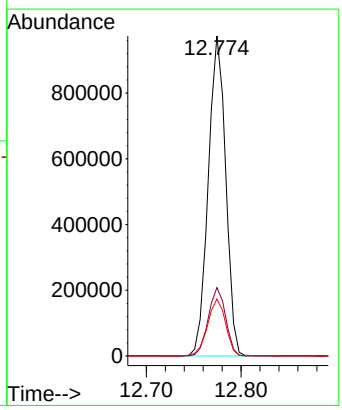
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

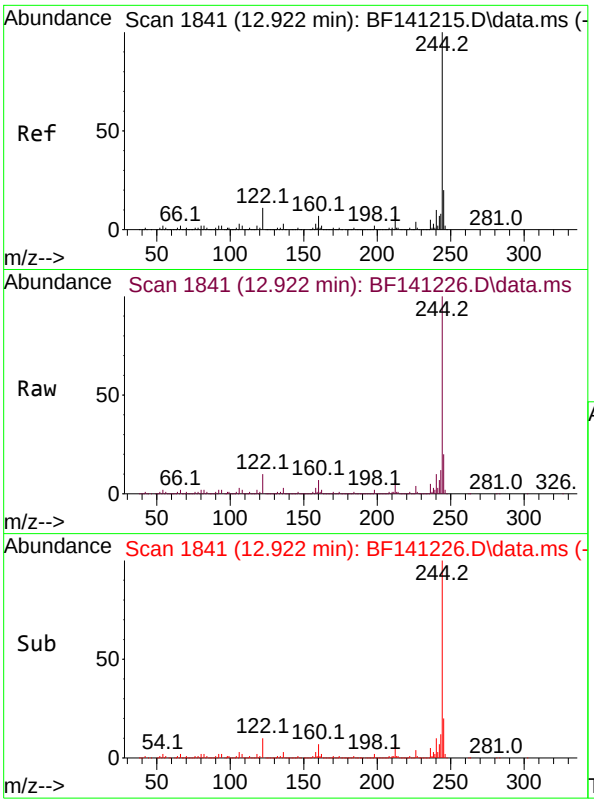


#78
Pyrene
Concen: 40.019 ng
RT: 12.774 min Scan# 1816
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:202 Resp: 1241696

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.8	25.2
203	17.8	14.3	21.5





#79
Terphenyl-d14
Concen: 80.948 ng
RT: 12.922 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

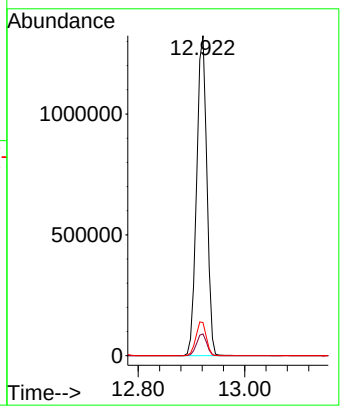
Tgt Ion:244 Resp: 176922

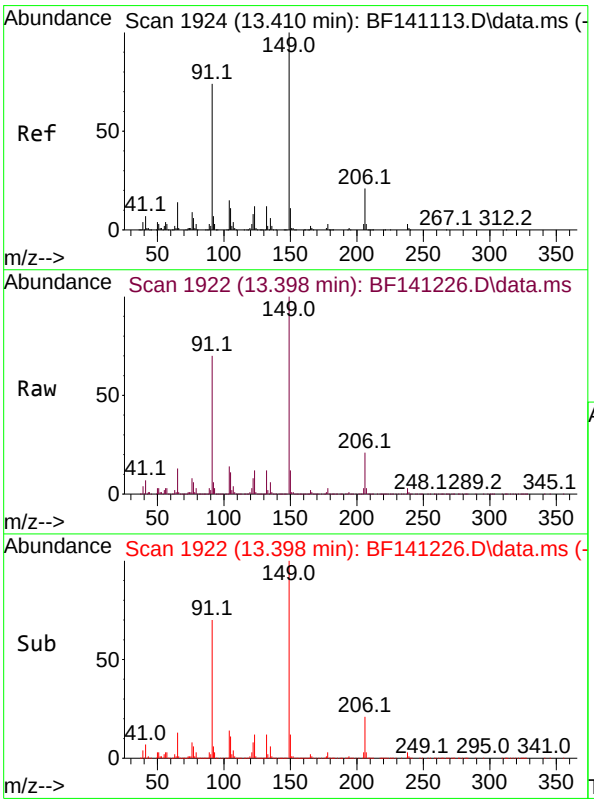
Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.2
122	10.3	8.8	13.2

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
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Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

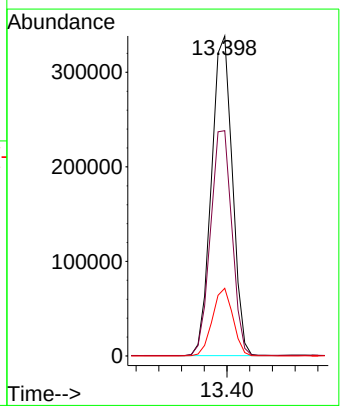


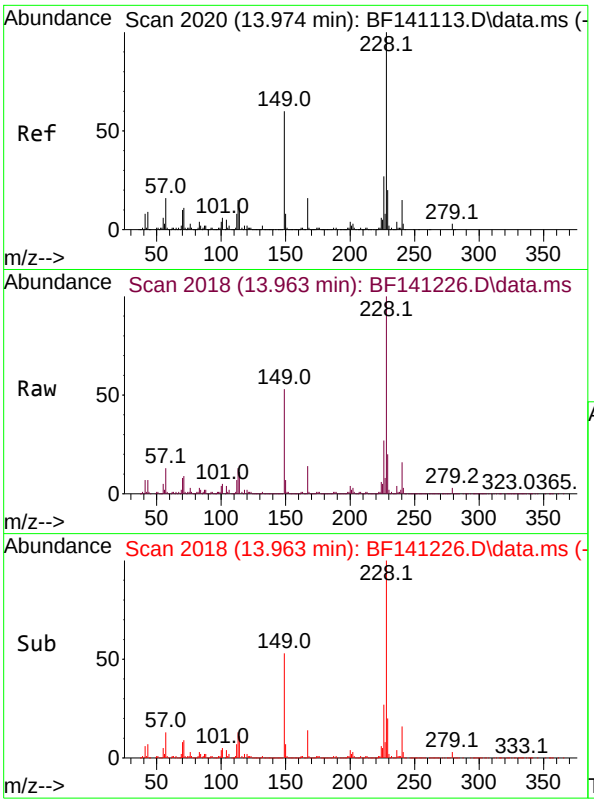


#80
Butylbenzylphthalate
Concen: 41.851 ng
RT: 13.398 min Scan# 1922
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:149 Resp: 432936

Ion	Ratio	Lower	Upper
149	100		
91	70.4	59.0	88.6
206	21.2	16.5	24.7

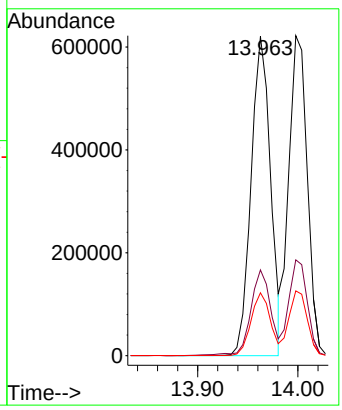




#81
Benzo(a)anthracene
Concen: 37.878 ng
RT: 13.963 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:228 Resp: 83740

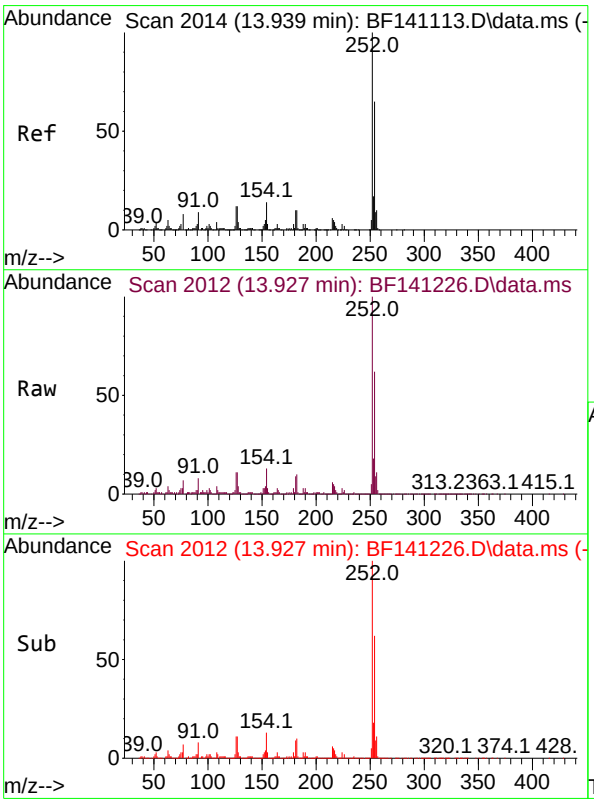
Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.7	32.5
229	19.7	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
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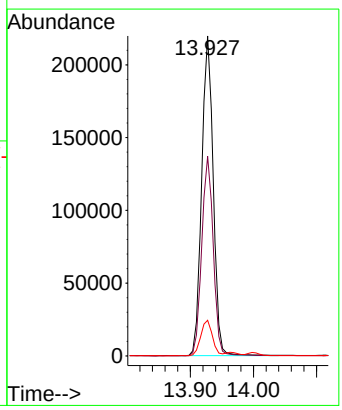
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

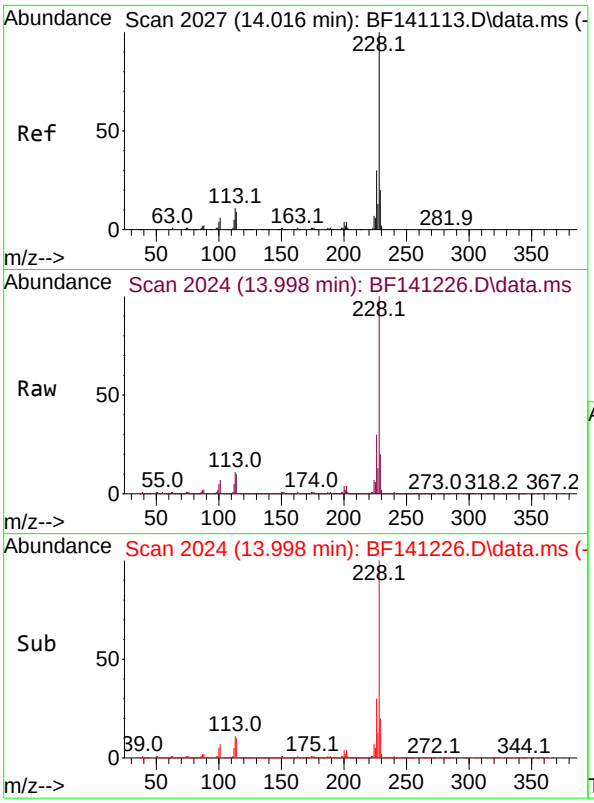


#82
3,3'-Dichlorobenzidine
Concen: 39.470 ng
RT: 13.927 min Scan# 2012
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:252 Resp: 277856

Ion	Ratio	Lower	Upper
252	100		
254	62.4	52.0	78.0
126	11.2	9.4	14.0

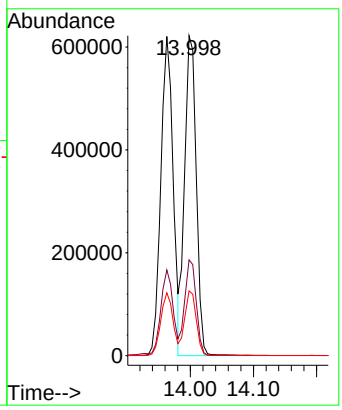




#83
Chrysene
Concen: 38.728 ng
RT: 13.998 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:228 Resp: 80114

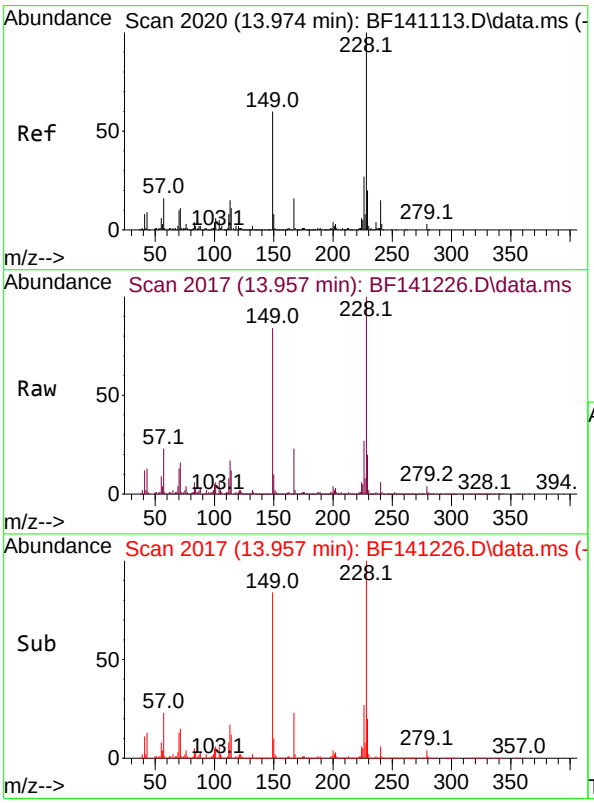
Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.8	35.8
229	20.2	15.8	23.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
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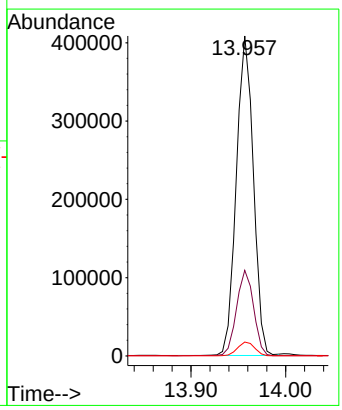
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

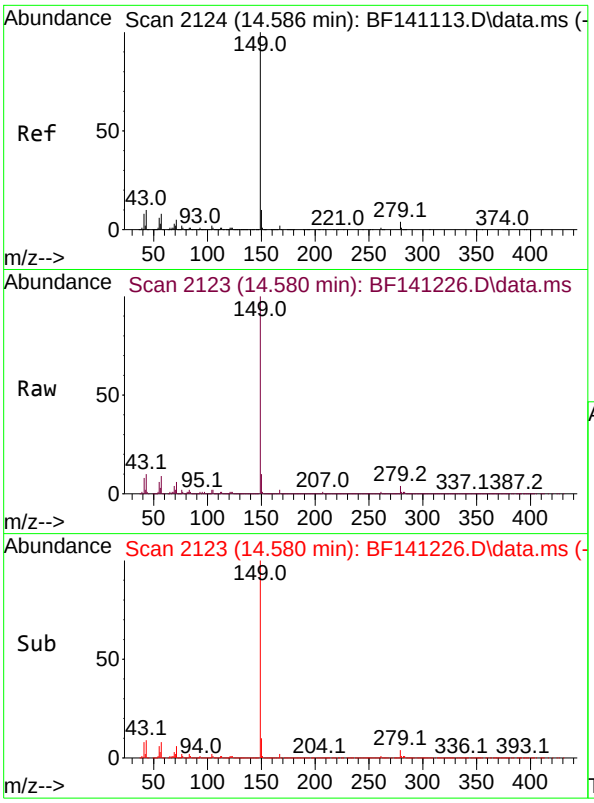


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.108 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.018 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:149 Resp: 510246

Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.4	32.2
279	4.4	3.4	5.2





#85
Di-n-octyl phthalate
Concen: 42.150 ng
RT: 14.580 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

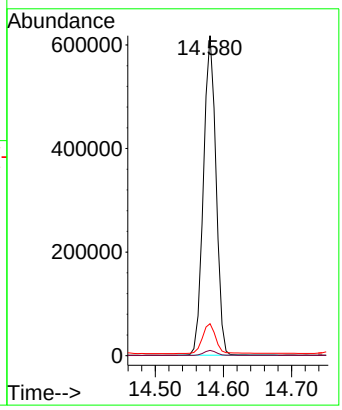
Tgt Ion:149 Resp: 79004

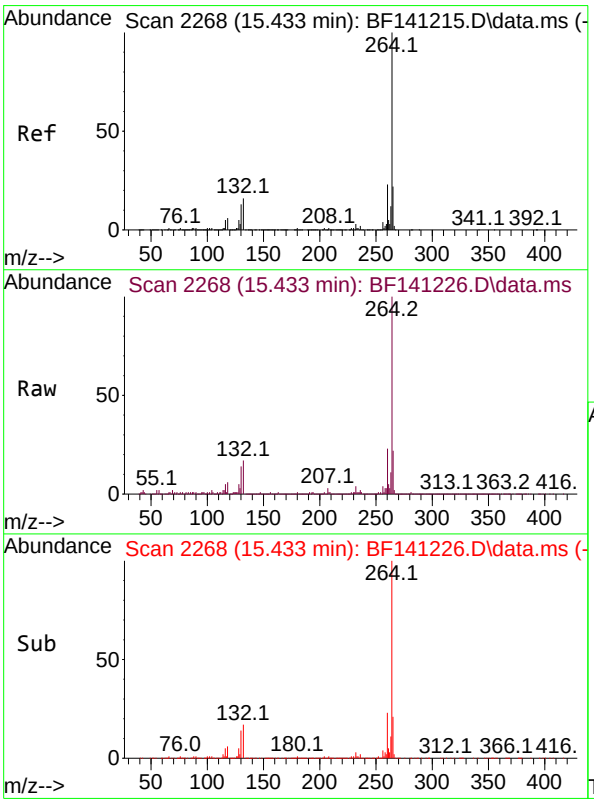
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	10.1	8.4	12.6

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

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Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

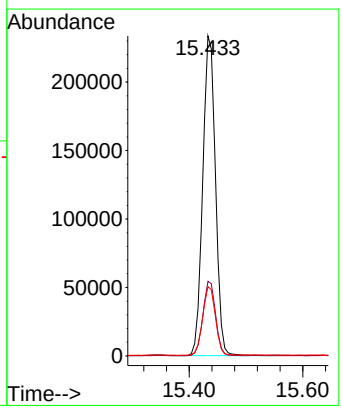


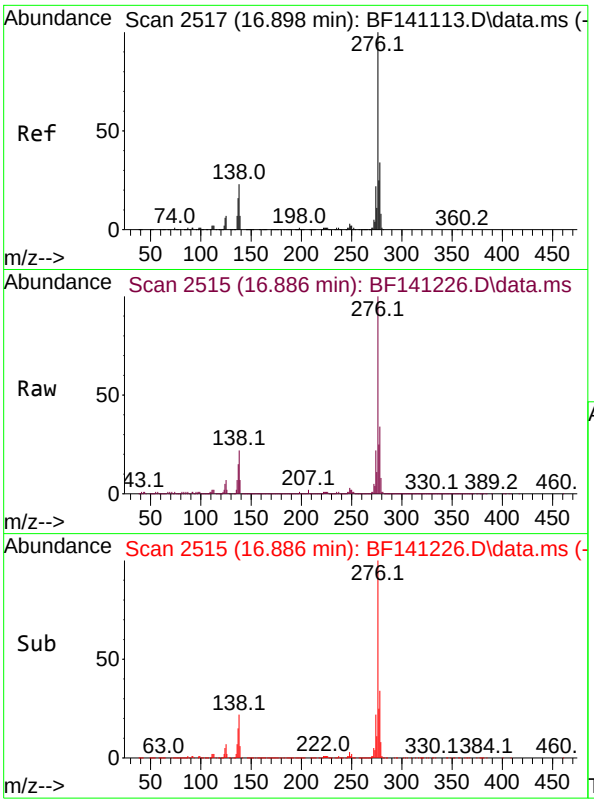


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:264 Resp: 361185

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	21.7	17.4	26.0

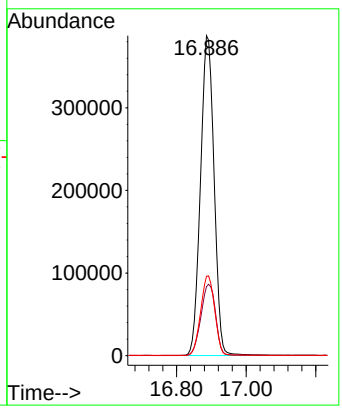




#87
Indeno(1,2,3-cd)pyrene
Concen: 39.718 ng
RT: 16.886 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:276 Resp: 105099

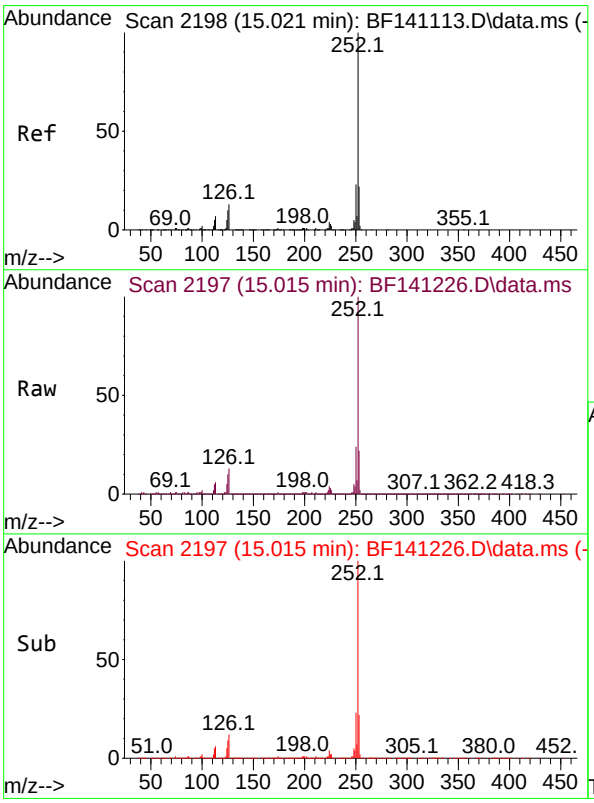
Ion	Ratio	Lower	Upper
276	100		
138	23.9	20.7	31.1
277	25.8	20.6	30.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

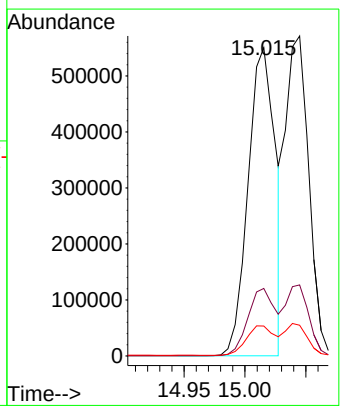
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

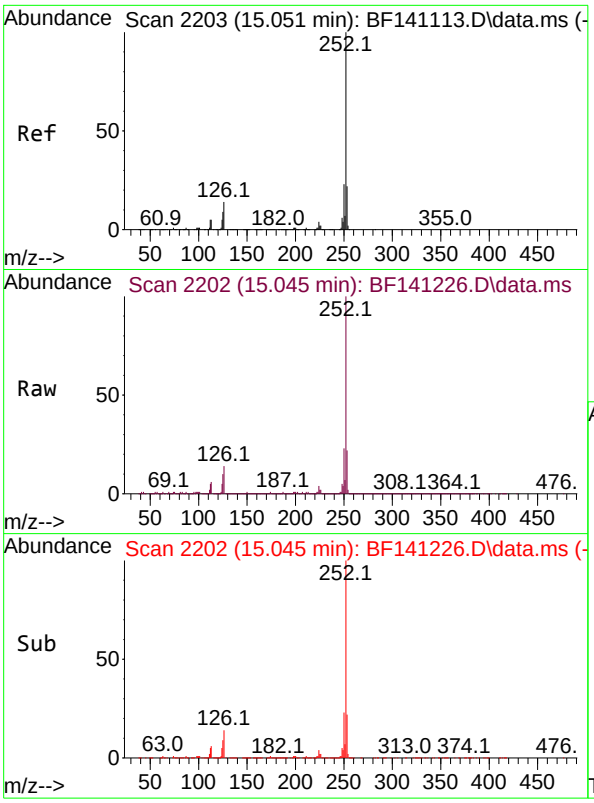


#88
Benzo(b)fluoranthene
Concen: 36.737 ng
RT: 15.015 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:252 Resp: 855613

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.6
125	9.7	8.1	12.1

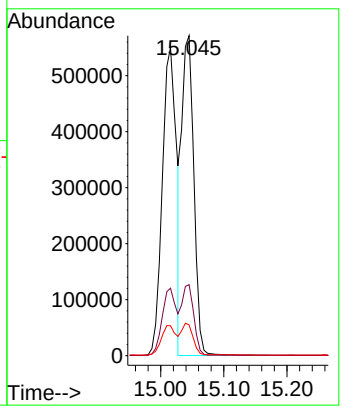




#89
Benzo(k)fluoranthene
Concen: 38.834 ng
RT: 15.045 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:252 Resp: 76434

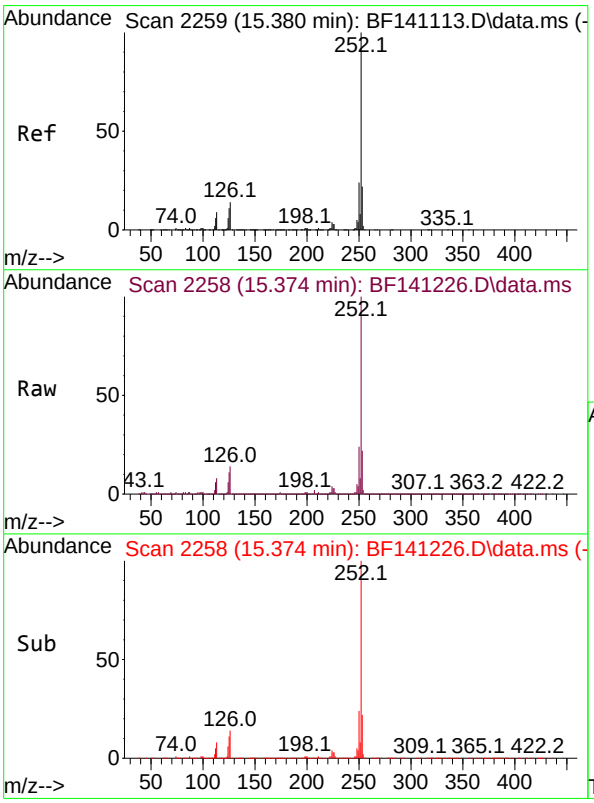
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.8
125	9.6	7.9	11.9



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

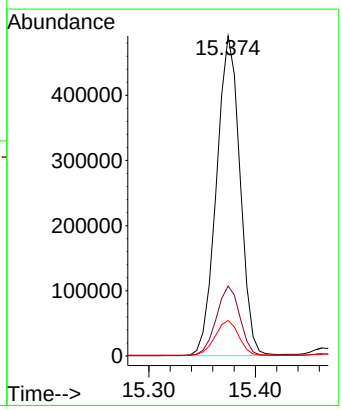
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

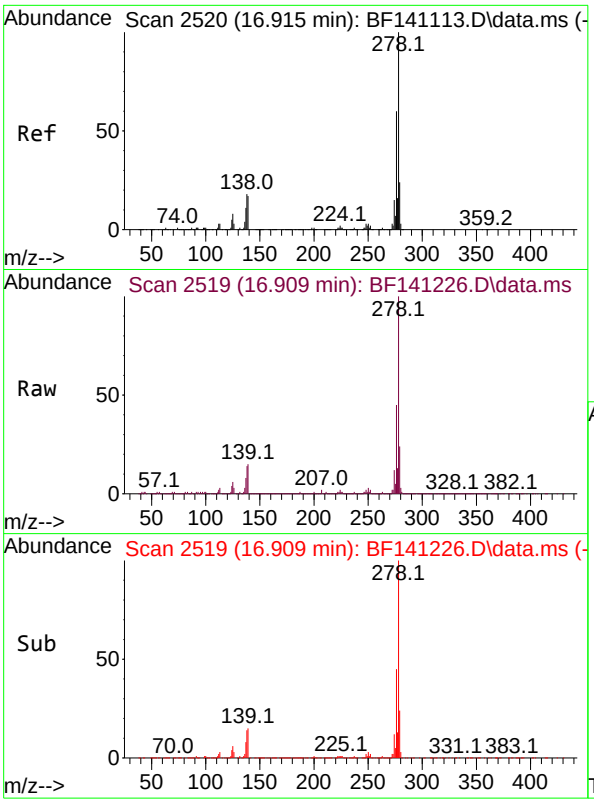


#90
Benzo(a)pyrene
Concen: 39.100 ng
RT: 15.374 min Scan# 2258
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:252 Resp: 751340

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	11.1	9.1	13.7

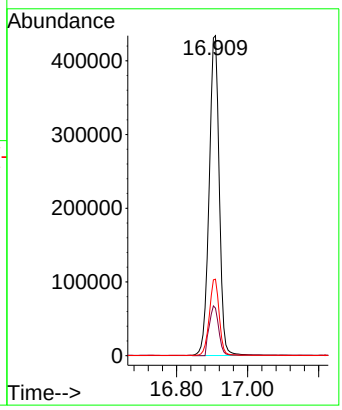




#91
Dibenzo(a,h)anthracene
Concen: 40.120 ng
RT: 16.909 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:278 Resp: 85866

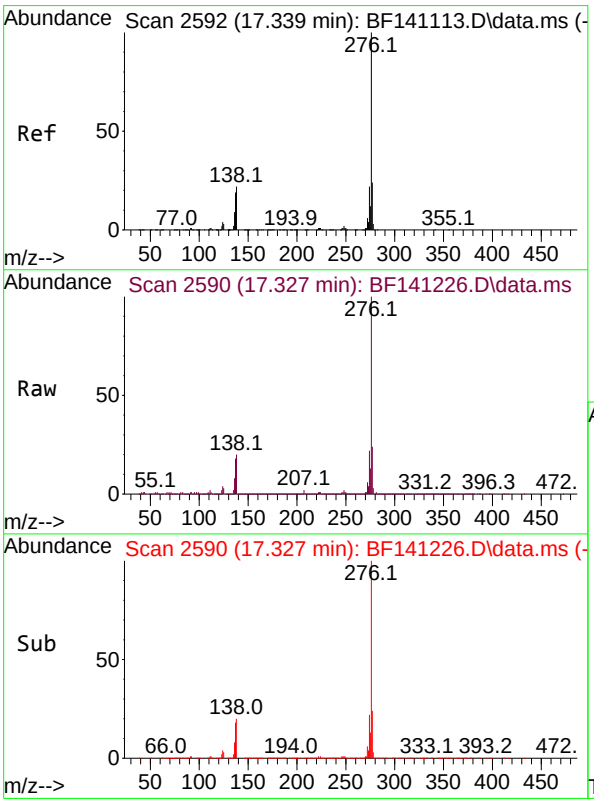
Ion	Ratio	Lower	Upper
278	100		
139	14.9	13.8	20.6
279	23.9	19.1	28.7



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Manual Integrations
APPROVED

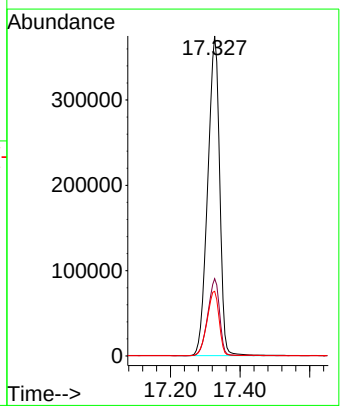
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#92
Benzo(g,h,i)perylene
Concen: 39.913 ng
RT: 17.327 min Scan# 2590
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:276 Resp: 888516

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.0	28.4
138	20.2	17.4	26.2



Sample Results: **BF141226.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141226.D
Acq On : 20 Jan 2025 16:58
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jan 20 17:26:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00
2		1,4-Dioxane	0.577	0.525	9.0	94	-0.02
3		Pyridine	1.414	1.270	10.2	94	-0.03
4		n-Nitrosodimethylamine	0.691	0.638	7.7	95	-0.02
5	S	2-Fluorophenol	1.295	1.230	5.0	99	0.00
6		Aniline	1.456	1.209	17.0	85	-0.01
7	S	Phenol-d6	1.640	1.569	4.3	101	0.00
8		2-Chlorophenol	1.389	1.351	2.7	101	0.00
9		Benzaldehyde	0.966	1.176	-21.7	140	0.00
10	C	Phenol	1.756	1.658	5.6	98	0.00
11		bis(2-Chloroethyl)ether	1.308	1.274	2.6	102	0.00
12		1,3-Dichlorobenzene	1.549	1.509	2.6	103	-0.01
13	C	1,4-Dichlorobenzene	1.561	1.540	1.3	104	0.00
14		1,2-Dichlorobenzene	1.456	1.421	2.4	104	0.00
15		Benzyl Alcohol	1.184	1.158	2.2	101	0.00
16		2,2'-oxybis(1-Chloropropane	1.826	1.656	9.3	94	0.00
17		2-Methylphenol	1.121	1.085	3.2	100	0.00
18		Hexachloroethane	0.565	0.564	0.2	104	0.00
19	P	n-Nitroso-di-n-propylamine	0.966	0.912	5.6	101	0.00
20		3+4-Methylphenols	1.415	1.331	5.9	97	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	99	0.00
22		Acetophenone	0.475	0.458	3.6	102	-0.01
23	S	Nitrobenzene-d5	0.377	0.373	1.1	102	0.00
24		Nitrobenzene	0.393	0.384	2.3	101	0.00
25		Isophorone	0.645	0.633	1.9	102	0.00
26	C	2-Nitrophenol	0.179	0.191	-6.7	107	-0.01
27		2,4-Dimethylphenol	0.241	0.235	2.5	99	0.00
28		bis(2-Chloroethoxy)methane	0.405	0.405	0.0	104	0.00
29	C	2,4-Dichlorophenol	0.287	0.296	-3.1	106	0.00
30		1,2,4-Trichlorobenzene	0.328	0.329	-0.3	104	0.00
31		Naphthalene	1.055	1.038	1.6	103	0.00
32		Benzoic acid	0.231	0.255	-10.4	106	0.01
33		4-Chloroaniline	0.365	0.310	15.1	89	0.00
34	C	Hexachlorobutadiene	0.197	0.203	-3.0	107	-0.01
35		Caprolactam	0.094	0.092	2.1	100	0.00
36	C	4-Chloro-3-methylphenol	0.313	0.312	0.3	103	0.00
37		2-Methylnaphthalene	0.672	0.666	0.9	104	-0.01
38		1-Methylnaphthalene	0.662	0.649	2.0	103	-0.01
39	I	Acenaphthene-d10	1.000	1.000	0.0	103	-0.01
40		1,2,4,5-Tetrachlorobenzene	0.574	0.565	1.6	105	-0.01
41	P	Hexachlorocyclopentadiene	0.188	0.194	-3.2	100	-0.01
42	S	2,4,6-Tribromophenol	0.228	0.235	-3.1	110	-0.01
43	C	2,4,6-Trichlorophenol	0.387	0.389	-0.5	105	-0.01
44		2,4,5-Trichlorophenol	0.409	0.411	-0.5	105	0.00
45	S	2-Fluorobiphenyl	1.310	1.257	4.0	106	-0.01
46		1,1'-Biphenyl	1.553	1.493	3.9	103	-0.01
47		2-Chloronaphthalene	1.210	1.166	3.6	103	0.00

Sample Results: **BF141226.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141226.D
Acq On : 20 Jan 2025 16:58
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jan 20 17:26:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.359	0.344	4.2	101	0.00
49		Acenaphthylene	1.728	1.651	4.5	102	-0.01
50		Dimethylphthalate	1.343	1.304	2.9	103	0.00
51		2,6-Dinitrotoluene	0.312	0.311	0.3	103	-0.01
52	C	Acenaphthene	1.208	1.177	2.6	104	-0.01
53		3-Nitroaniline	0.317	0.298	6.0	97	-0.01
54	P	2,4-Dinitrophenol	0.148	0.167	-12.8	111	-0.01
55		Dibenzofuran	1.642	1.570	4.4	102	0.00
56	P	4-Nitrophenol	0.248	0.231	6.9	95	0.00
57		2,4-Dinitrotoluene	0.402	0.407	-1.2	106	-0.01
58		Fluorene	1.276	1.219	4.5	105	-0.01
59		2,3,4,6-Tetrachlorophenol	0.340	0.331	2.6	103	-0.01
60		Diethylphthalate	1.311	1.270	3.1	104	-0.01
61		4-Chlorophenyl-phenylether	0.622	0.618	0.6	107	-0.01
62		4-Nitroaniline	0.311	0.293	5.8	100	-0.01
63		Azobenzene	1.293	1.213	6.2	100	-0.01
64	I	Phenanthrene-d10	1.000	1.000	0.0	102	-0.01
65		4,6-Dinitro-2-methylphenol	0.116	0.141	-21.6	111	0.00
66	c	n-Nitrosodiphenylamine	0.645	0.658	-2.0	103	-0.01
67		4-Bromophenyl-phenylether	0.230	0.244	-6.1	107	-0.01
68		Hexachlorobenzene	0.256	0.274	-7.0	108	-0.01
69		Atrazine	0.174	0.198	-13.8	143	-0.01
70	C	Pentachlorophenol	0.164	0.176	-7.3	103	0.00
71		Phenanthrene	1.074	1.078	-0.4	103	-0.01
72		Anthracene	1.044	1.048	-0.4	102	-0.01
73		Carbazole	0.957	0.937	2.1	101	-0.01
74		Di-n-butylphthalate	1.096	1.144	-4.4	107	-0.01
75	C	Fluoranthene	1.071	1.059	1.1	104	-0.01
76	I	Chrysene-d12	1.000	1.000	0.0	99	-0.01
77		Benzidine	0.371	0.317	14.6	77	-0.01
78		Pyrene	1.910	1.911	-0.1	102	-0.01
79	S	Terphenyl-d14	1.346	1.362	-1.2	106	-0.01
80		Butylbenzylphthalate	0.637	0.666	-4.6	107	-0.01
81		Benzo(a)anthracene	1.361	1.289	5.3	102	-0.01
82		3,3'-Dichlorobenzidine	0.433	0.428	1.2	101	-0.01
83		Chrysene	1.274	1.233	3.2	101	-0.02
84		Bis(2-ethylhexyl)phthalate	0.764	0.785	-2.7	107	-0.02
85	c	Di-n-octyl phthalate	1.154	1.216	-5.4	105	0.00
86	I	Perylene-d12	1.000	1.000	0.0	101	0.00
87		Indeno(1,2,3-cd)pyrene	1.465	1.455	0.7	100	-0.01
88		Benzo(b)fluoranthene	1.290	1.184	8.2	100	0.00
89		Benzo(k)fluoranthene	1.090	1.058	2.9	103	0.00
90	C	Benzo(a)pyrene	1.064	1.040	2.3	102	0.00
91		Dibenzo(a,h)anthracene	1.185	1.189	-0.3	101	0.00
92		Benzo(g,h,i)perylene	1.233	1.230	0.2	99	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141226.D
Acq On : 20 Jan 2025 16:58
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jan 20 17:26:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

Sample Results: **BF141226.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141226.D
Acq On : 20 Jan 2025 16:58
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jan 20 17:26:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	101	0.00
2		1,4-Dioxane	40.000	36.452	8.9	94	-0.02
3		Pyridine	40.000	35.921	10.2	94	-0.03
4		n-Nitrosodimethylamine	40.000	36.911	7.7	95	-0.02
5	S	2-Fluorophenol	80.000	76.032	5.0	99	0.00
6		Aniline	40.000	33.209	17.0	85	-0.01
7	S	Phenol-d6	80.000	76.522	4.3	101	0.00
8		2-Chlorophenol	40.000	38.910	2.7	101	0.00
9		Benzaldehyde	40.000	48.697	-21.7	140	0.00
10	C	Phenol	40.000	37.768	5.6	98	0.00
11		bis(2-Chloroethyl)ether	40.000	38.965	2.6	102	0.00
12		1,3-Dichlorobenzene	40.000	38.958	2.6	103	-0.01
13	C	1,4-Dichlorobenzene	40.000	39.449	1.4	104	0.00
14		1,2-Dichlorobenzene	40.000	39.041	2.4	104	0.00
15		Benzyl Alcohol	40.000	39.095	2.3	101	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	36.277	9.3	94	0.00
17		2-Methylphenol	40.000	38.717	3.2	100	0.00
18		Hexachloroethane	40.000	39.974	0.1	104	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	37.772	5.6	101	0.00
20		3+4-Methylphenols	40.000	37.631	5.9	97	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	99	0.00
22		Acetophenone	40.000	38.548	3.6	102	-0.01
23	S	Nitrobenzene-d5	80.000	79.162	1.0	102	0.00
24		Nitrobenzene	40.000	39.091	2.3	101	0.00
25		Isophorone	40.000	39.243	1.9	102	0.00
26	C	2-Nitrophenol	40.000	42.808	-7.0	107	-0.01
27		2,4-Dimethylphenol	40.000	38.983	2.5	99	0.00
28		bis(2-Chloroethoxy)methane	40.000	39.994	0.0	104	0.00
29	C	2,4-Dichlorophenol	40.000	41.280	-3.2	106	0.00
30		1,2,4-Trichlorobenzene	40.000	40.225	-0.6	104	0.00
31		Naphthalene	40.000	39.368	1.6	103	0.00
32		Benzoic acid	40.000	44.035	-10.1	106	0.01
33		4-Chloroaniline	40.000	33.986	15.0	89	0.00
34	C	Hexachlorobutadiene	40.000	41.051	-2.6	107	-0.01
35		Caprolactam	40.000	39.144	2.1	100	0.00
36	C	4-Chloro-3-methylphenol	40.000	39.850	0.4	103	0.00
37		2-Methylnaphthalene	40.000	39.617	1.0	104	-0.01
38		1-Methylnaphthalene	40.000	39.166	2.1	103	-0.01
39	I	Acenaphthene-d10	20.000	20.000	0.0	103	-0.01
40		1,2,4,5-Tetrachlorobenzene	40.000	39.388	1.5	105	-0.01
41	P	Hexachlorocyclopentadiene	40.000	41.323	-3.3	100	-0.01
42	S	2,4,6-Tribromophenol	80.000	82.382	-3.0	110	-0.01
43	C	2,4,6-Trichlorophenol	40.000	40.147	-0.4	105	-0.01
44		2,4,5-Trichlorophenol	40.000	40.231	-0.6	105	0.00
45	S	2-Fluorobiphenyl	80.000	76.807	4.0	106	-0.01
46		1,1'-Biphenyl	40.000	38.447	3.9	103	-0.01
47		2-Chloronaphthalene	40.000	38.561	3.6	103	0.00

Sample Results: **BF141226.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141226.D
Acq On : 20 Jan 2025 16:58
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jan 20 17:26:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48		2-Nitroaniline	40.000	38.328	4.2	101	0.00
49		Acenaphthylene	40.000	38.200	4.5	102	-0.01
50		Dimethylphthalate	40.000	38.849	2.9	103	0.00
51		2,6-Dinitrotoluene	40.000	39.853	0.4	103	-0.01
52	C	Acenaphthene	40.000	38.990	2.5	104	-0.01
53		3-Nitroaniline	40.000	37.537	6.2	97	-0.01
54	P	2,4-Dinitrophenol	40.000	45.070	-12.7	111	-0.01
55		Dibenzofuran	40.000	38.244	4.4	102	0.00
56	P	4-Nitrophenol	40.000	37.107	7.2	95	0.00
57		2,4-Dinitrotoluene	40.000	40.471	-1.2	106	-0.01
58		Fluorene	40.000	38.205	4.5	105	-0.01
59		2,3,4,6-Tetrachlorophenol	40.000	38.983	2.5	103	-0.01
60		Diethylphthalate	40.000	38.745	3.1	104	-0.01
61		4-Chlorophenyl-phenylether	40.000	39.736	0.7	107	-0.01
62		4-Nitroaniline	40.000	37.729	5.7	100	-0.01
63		Azobenzene	40.000	37.525	6.2	100	-0.01
64	I	Phenanthrene-d10	20.000	20.000	0.0	102	-0.01
65		4,6-Dinitro-2-methylphenol	40.000	48.797	-22.0	111	0.00
66	c	n-Nitrosodiphenylamine	40.000	40.779	-1.9	103	-0.01
67		4-Bromophenyl-phenylether	40.000	42.342	-5.9	107	-0.01
68		Hexachlorobenzene	40.000	42.682	-6.7	108	-0.01
69		Atrazine	40.000	45.599	-14.0	143	-0.01
70	C	Pentachlorophenol	40.000	42.835	-7.1	103	0.00
71		Phenanthrene	40.000	40.163	-0.4	103	-0.01
72		Anthracene	40.000	40.167	-0.4	102	-0.01
73		Carbazole	40.000	39.162	2.1	101	-0.01
74		Di-n-butylphthalate	40.000	41.773	-4.4	107	-0.01
75	C	Fluoranthene	40.000	39.548	1.1	104	-0.01
76	I	Chrysene-d12	20.000	20.000	0.0	99	-0.01
77		Benzidine	40.000	34.182	14.5	77	-0.01
78		Pyrene	40.000	40.019	-0.0	102	-0.01
79	S	Terphenyl-d14	80.000	80.948	-1.2	106	-0.01
80		Butylbenzylphthalate	40.000	41.851	-4.6	107	-0.01
81		Benzo(a)anthracene	40.000	37.878	5.3	102	-0.01
82		3,3'-Dichlorobenzidine	40.000	39.470	1.3	101	-0.01
83		Chrysene	40.000	38.728	3.2	101	-0.02
84		Bis(2-ethylhexyl)phthalate	40.000	41.108	-2.8	107	-0.02
85	c	Di-n-octyl phthalate	40.000	42.150	-5.4	105	0.00
86	I	Perylene-d12	20.000	20.000	0.0	101	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	39.718	0.7	100	-0.01
88		Benzo(b)fluoranthene	40.000	36.737	8.2	100	0.00
89		Benzo(k)fluoranthene	40.000	38.834	2.9	103	0.00
90	C	Benzo(a)pyrene	40.000	39.100	2.2	102	0.00
91		Dibenzo(a,h)anthracene	40.000	40.120	-0.3	101	0.00
92		Benzo(g,h,i)perylene	40.000	39.913	0.2	99	-0.01

Sample Results: **BF141226.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141226.D
Acq On : 20 Jan 2025 16:58
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Jan 20 17:26:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

QC SAMPLE DATA

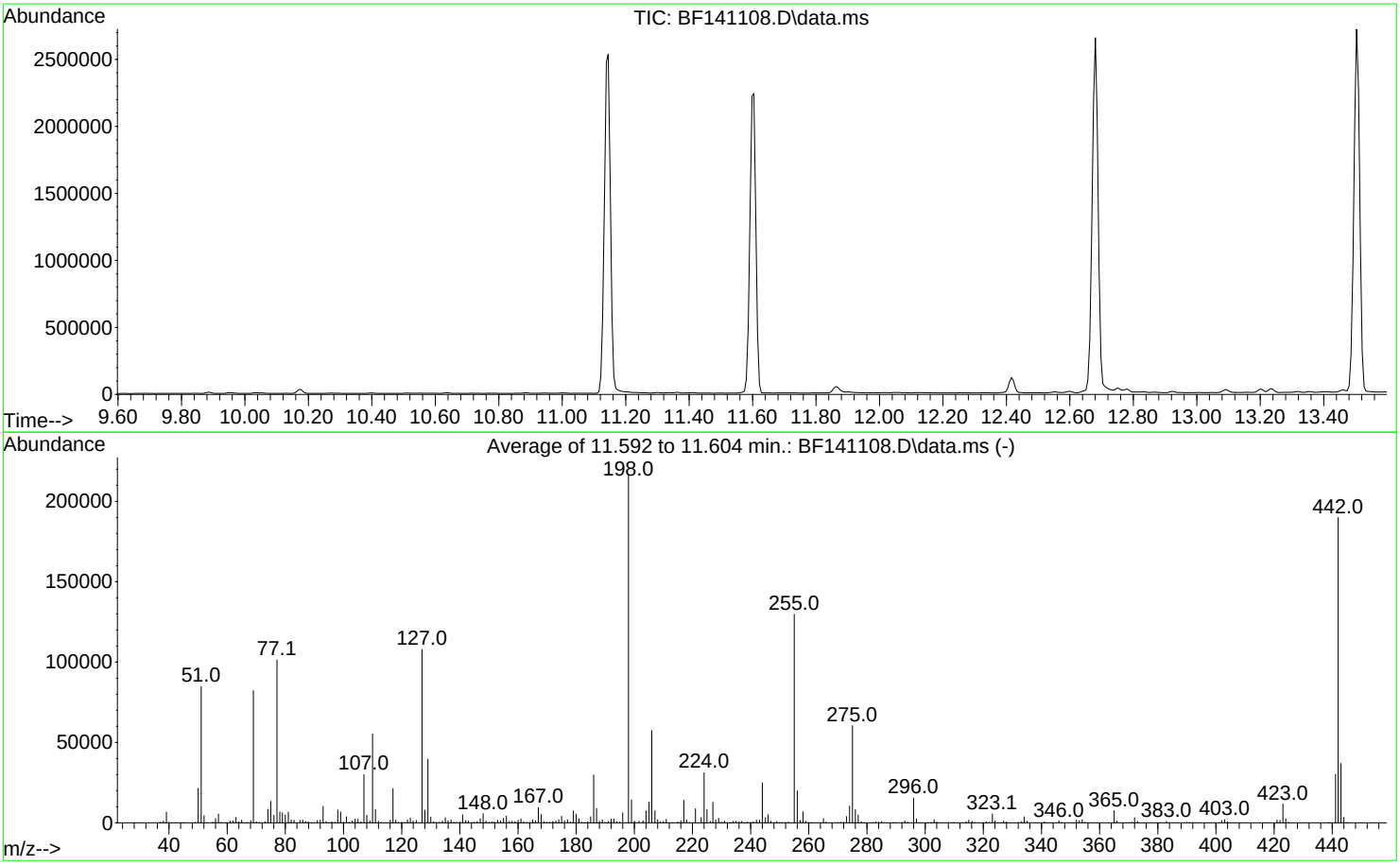
Sample Results: **BF141108.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141108.D
Acq On : 10 Jan 2025 11:32
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-BF011025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Jan 10 22:54:19 2025



AutoFind: Scans 1615, 1616, 1617; Background Corrected with Scan 1609

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	39.2	84750	PASS
68	69	0.00	2	1.8	1445	PASS
69	198	0.00	100	38.0	82278	PASS
70	69	0.00	2	0.7	551	PASS
127	198	10	80	49.8	107843	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	216341	PASS
199	198	5	9	6.6	14307	PASS
275	198	10	60	27.9	60421	PASS
365	198	1	100	3.5	7523	PASS
441	198	0.01	100	13.9	30123	PASS
442	442	50	100	100.0	189923	PASS
443	442	15	24	19.4	36936	PASS

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

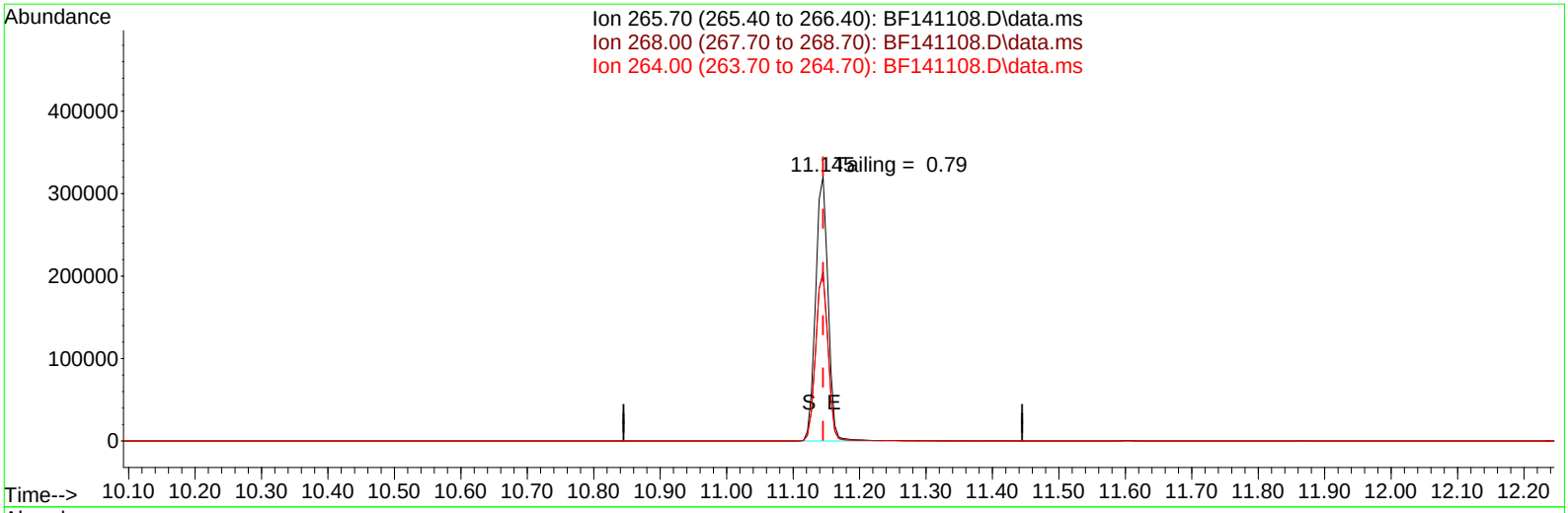
Date	Instrument Name	DFTPP Data File
1/10/2025	BNA_F	BF141108.D
Compound Name	**Response**	**Retention Time**
DDT	677363	13.504
DDD	13521	13.204
DDE	752	12.869
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
14273	691636	2.06

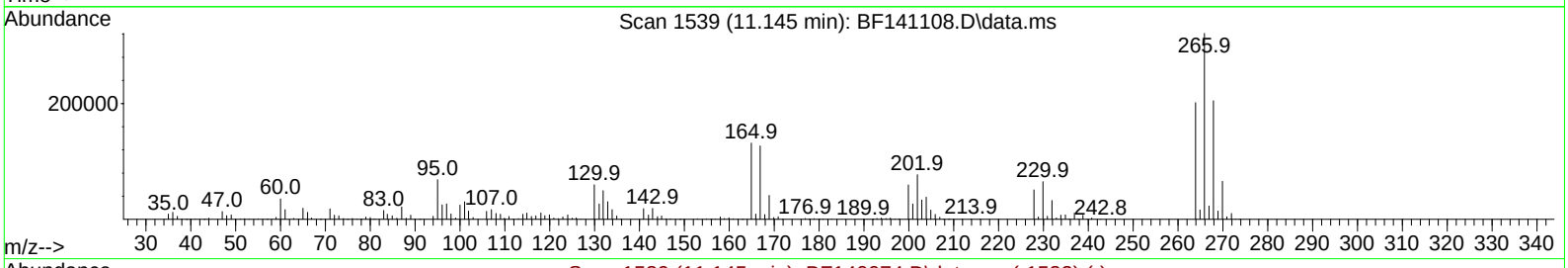
Sample Results: **BF141108.D**

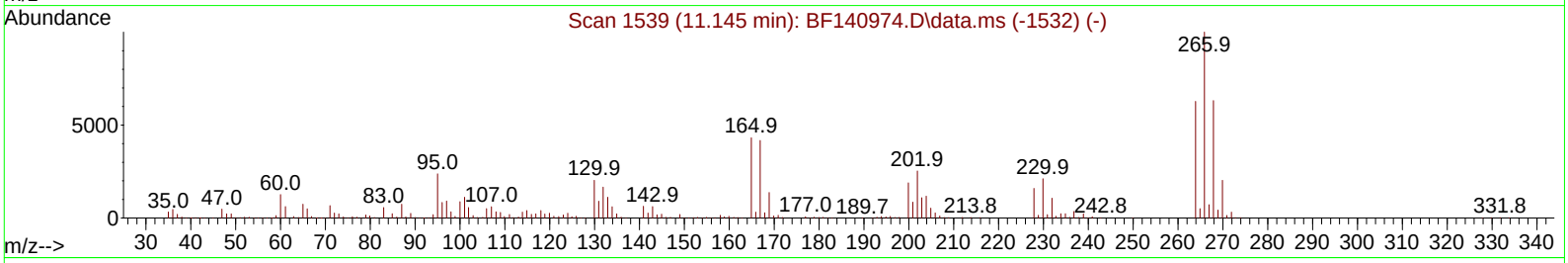
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141108.D
Acq On : 10 Jan 2025 11:32
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jan 10 12:08:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 12:07:52 2025
Response via : Initial Calibration







TIC: BF141108.D\data.ms

(70) Pentachlorophenol (C)

11.145min (+ 0.000) 27837.42 ng

response 420211

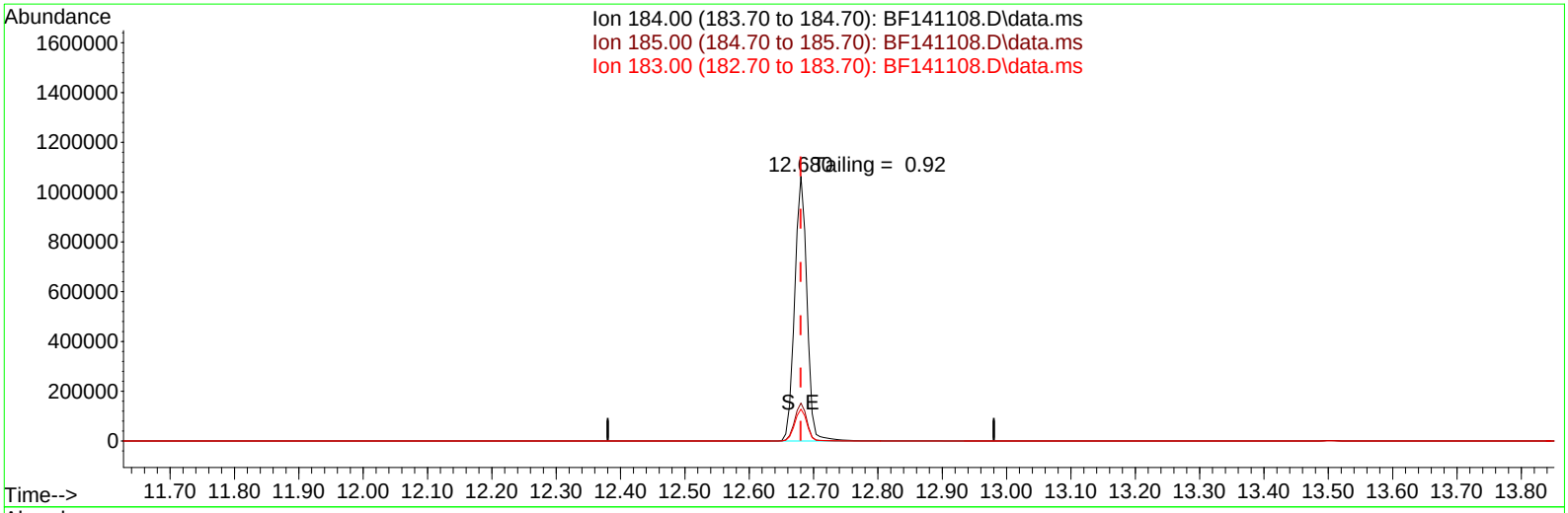
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.10	63.79
264.00	62.80	62.71
0.00	0.00	0.00

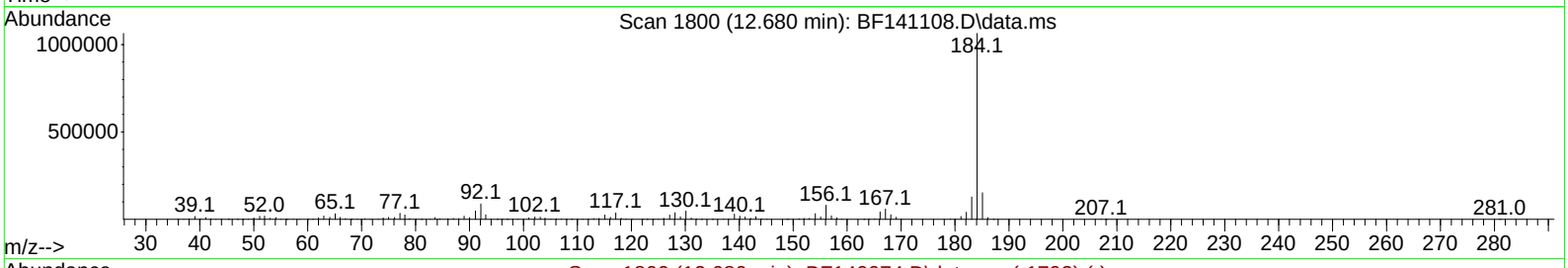
Sample Results: **BF141108.D**

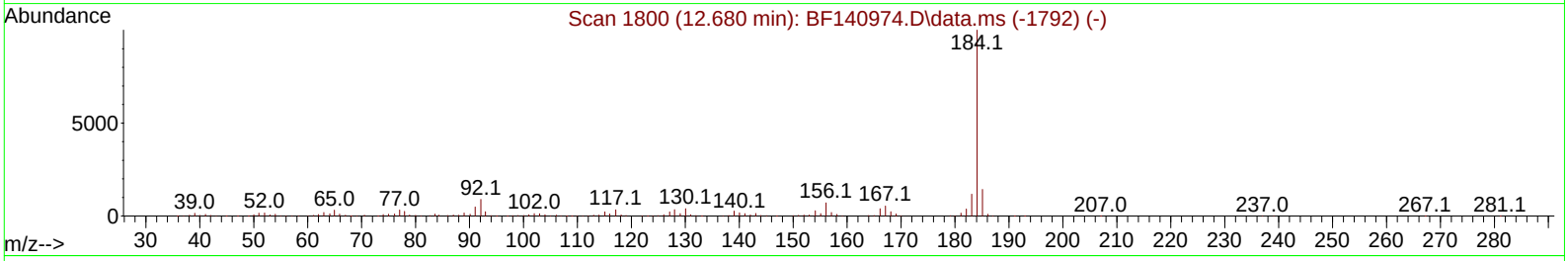
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141108.D
Acq On : 10 Jan 2025 11:32
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jan 10 12:08:37 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 12:07:52 2025
Response via : Initial Calibration







TIC: BF141108.D\data.ms

(77) Benzidine

12.680min (-0.000) 47053.75 ng

response 1415080

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.30	14.35
183.00	11.70	12.05
0.00	0.00	0.00

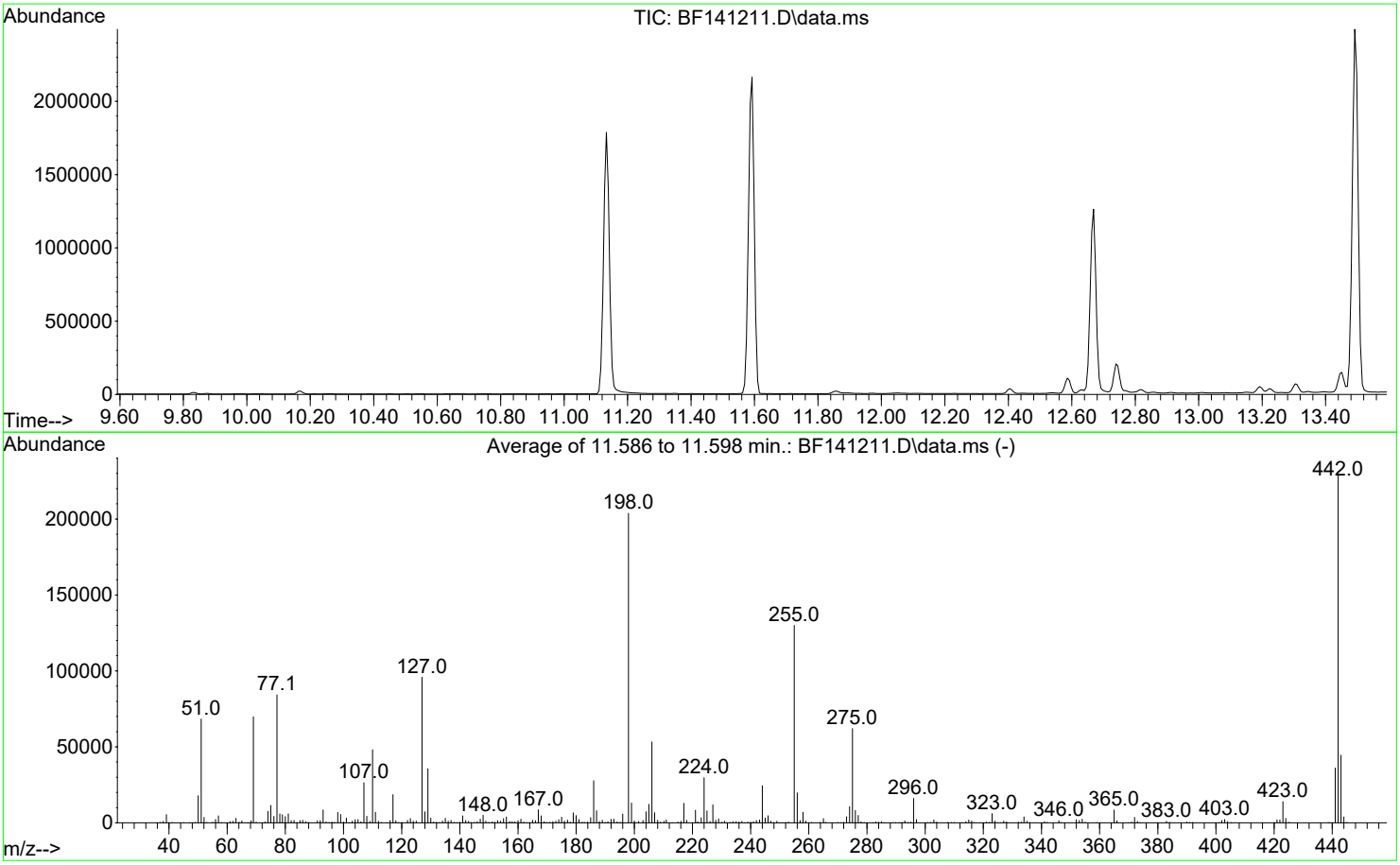
Sample Results: **BF141211.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141211.D
Acq On : 20 Jan 2025 09:40
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-BF011025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Jan 10 22:54:19 2025



AutoFind: Scans 1614, 1615, 1616; Background Corrected with Scan 1607

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	33.5	68317	PASS
68	69	0.00	2	2.0	1395	PASS
69	198	0.00	100	34.3	69851	PASS
70	69	0.00	2	0.6	440	PASS
127	198	10	80	47.0	95797	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	203712	PASS
199	198	5	9	6.4	13092	PASS
275	198	10	60	30.5	62040	PASS
365	198	1	100	4.1	8447	PASS
441	198	0.01	100	17.7	36021	PASS
442	442	50	100	100.0	228949	PASS
443	442	15	24	19.5	44563	PASS

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

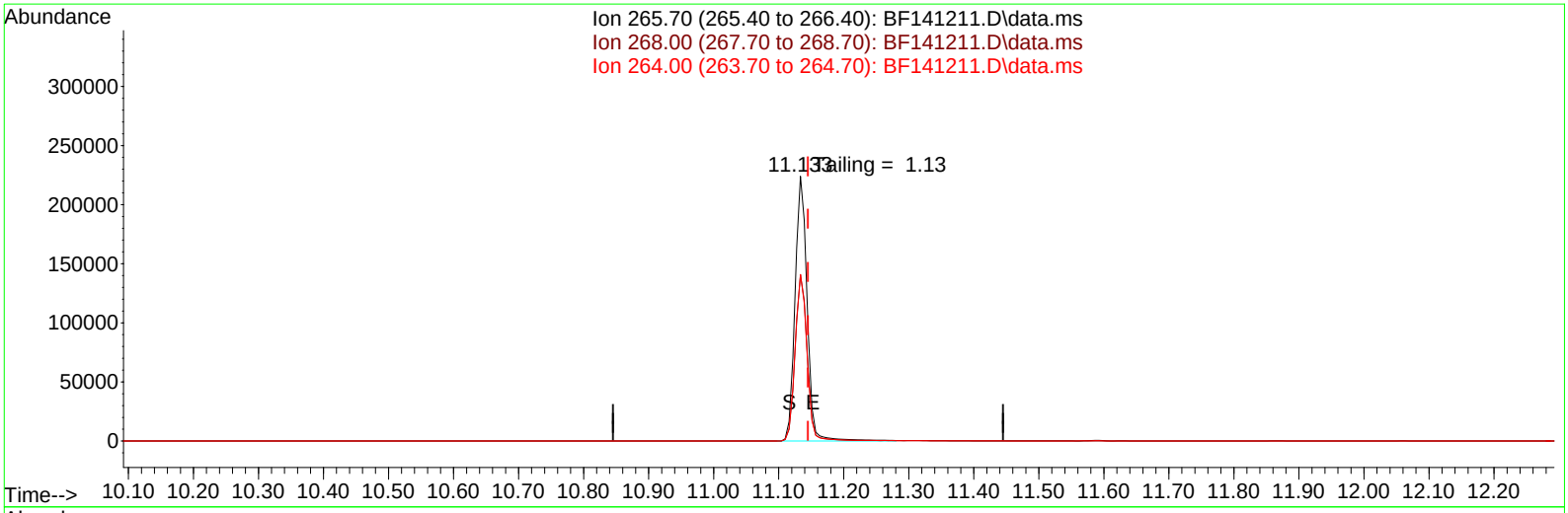
Date	Instrument Name	DFTPP Data File
1/20/2025	BNA_F	BF141211.D
Compound Name	**Response**	**Retention Time**
DDT	626135	13.492
DDD	17930	13.192
DDE	1512	12.857
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
19442	645577	3.01

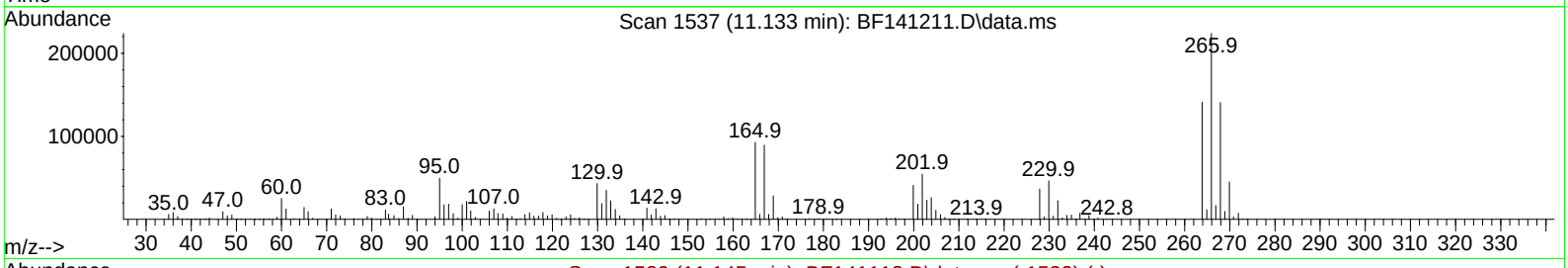
Sample Results: **BF141211.D**

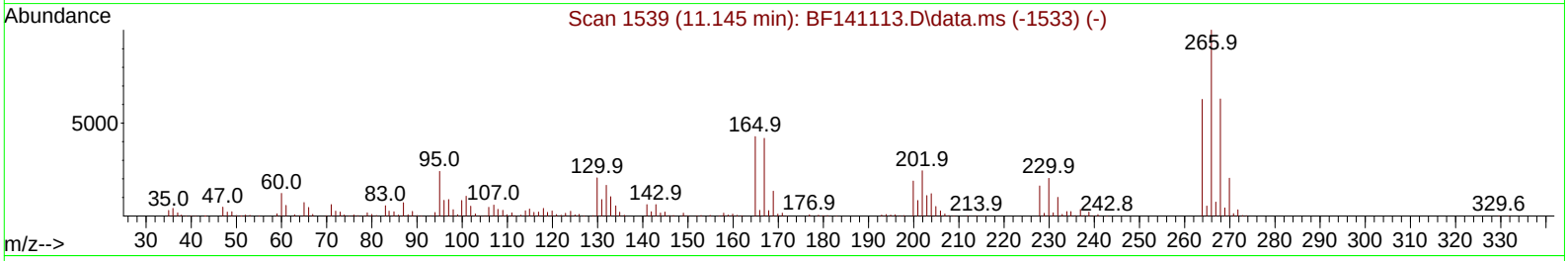
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141211.D
Acq On : 20 Jan 2025 09:40
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jan 20 10:54:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration







TIC: BF141211.D\data.ms

(70) Pentachlorophenol (C)

11.133min (-0.012) 44495.62 ng

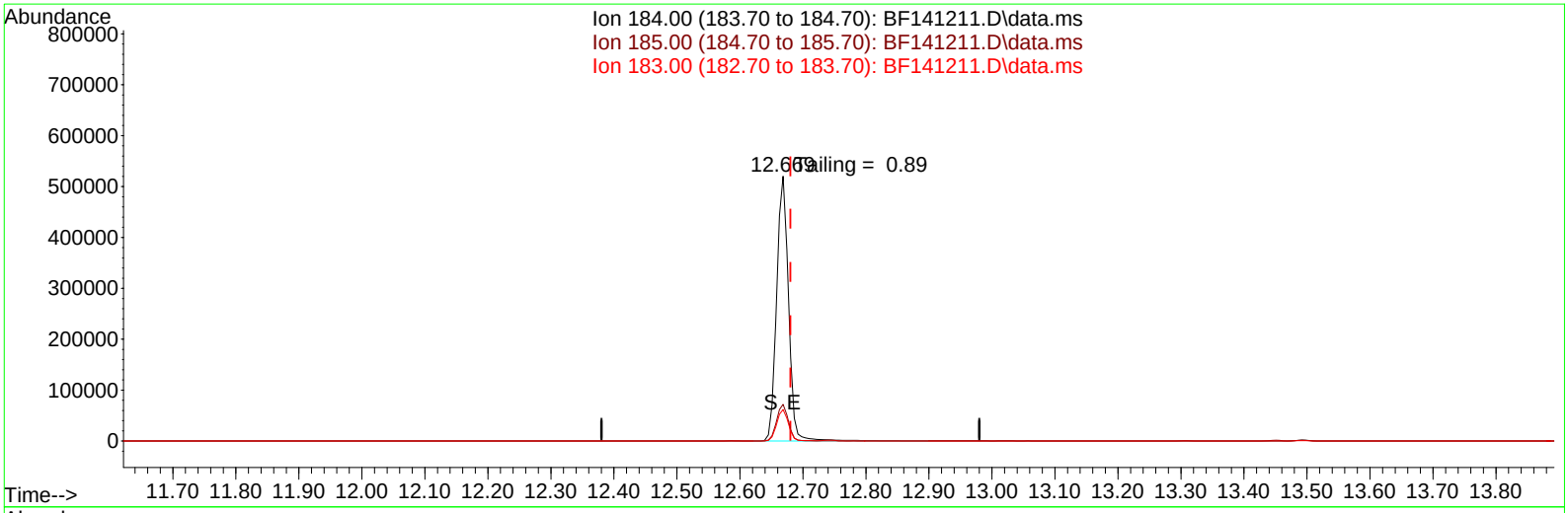
response 289966

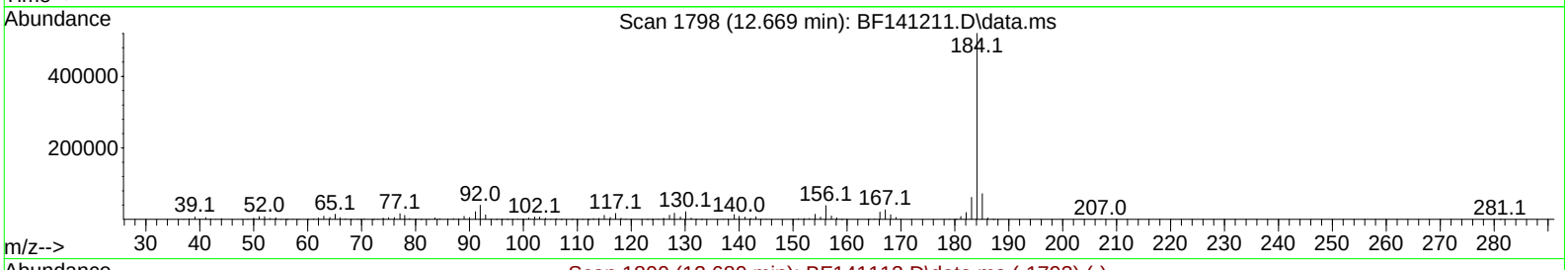
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.00	62.84
264.00	62.70	62.90
0.00	0.00	0.00

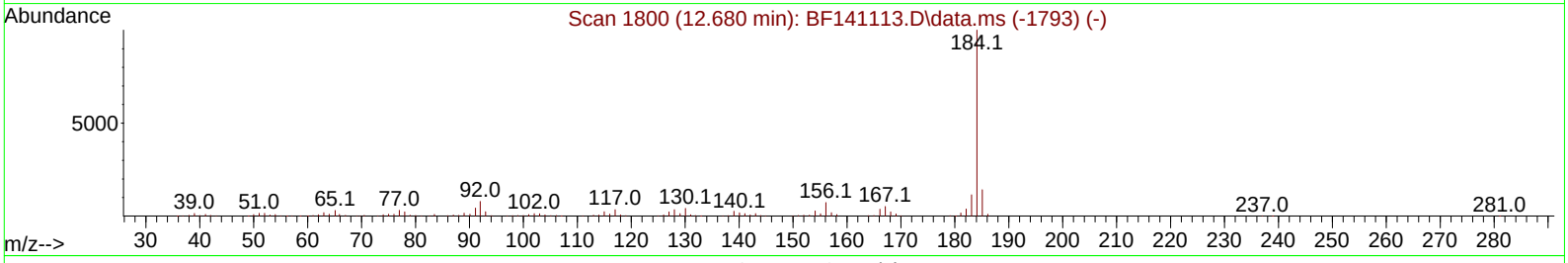
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141211.D
Acq On : 20 Jan 2025 09:40
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Jan 20 10:54:27 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration







TIC: BF141211.D\data.ms

(77) Benzidine

12.669min (-0.012) 48437.63 ng

response 683565

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.20	13.84
183.00	11.50	11.90
0.00	0.00	0.00

Raw Data: **BF141217.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB166117BL	SDG No.:	Q1122
Lab Sample ID:	PB166117BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141217.D	1	01/17/25 11:40	01/20/25 12:49	PB166117

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	8.00	U	4.00	8.00	10.0	ug/L
108-95-2	Phenol	4.00	U	0.93	4.00	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	4.00	U	1.20	4.00	5.00	ug/L
95-57-8	2-Chlorophenol	4.00	U	0.71	4.00	5.00	ug/L
95-48-7	2-Methylphenol	4.00	U	1.10	4.00	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	4.00	U	1.40	4.00	5.00	ug/L
98-86-2	Acetophenone	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
621-64-7	n-Nitroso-di-n-propylamine	2.50	U	1.50	2.50	2.50	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
78-59-1	Isophorone	4.00	U	1.10	4.00	5.00	ug/L
88-75-5	2-Nitrophenol	4.00	U	2.00	4.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	4.00	U	1.50	4.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	4.00	U	1.00	4.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	4.00	U	0.88	4.00	5.00	ug/L
91-20-3	Naphthalene	4.00	U	1.00	4.00	5.00	ug/L
106-47-8	4-Chloroaniline	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
105-60-2	Caprolactam	8.00	U	1.70	8.00	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	4.00	U	0.84	4.00	5.00	ug/L
91-57-6	2-Methylnaphthalene	4.00	U	1.10	4.00	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	8.00	U	5.00	8.00	10.0	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
92-52-4	1,1-Biphenyl	4.00	U	0.91	4.00	5.00	ug/L
91-58-7	2-Chloronaphthalene	4.00	U	0.97	4.00	5.00	ug/L
88-74-4	2-Nitroaniline	4.00	U	1.40	4.00	5.00	ug/L
131-11-3	Dimethylphthalate	4.00	U	0.93	4.00	5.00	ug/L

Raw Data: **BF141217.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB166117BL	SDG No.:	Q1122
Lab Sample ID:	PB166117BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141217.D	1	01/17/25 11:40	01/20/25 12:49	PB166117

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	4.00	U	1.00	4.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	4.00	U	1.20	4.00	5.00	ug/L
99-09-2	3-Nitroaniline	4.00	U	1.40	4.00	5.00	ug/L
83-32-9	Acenaphthene	4.00	U	0.81	4.00	5.00	ug/L
51-28-5	2,4-Dinitrophenol	8.00	U	6.40	8.00	10.0	ug/L
100-02-7	4-Nitrophenol	8.00	U	2.00	8.00	10.0	ug/L
132-64-9	Dibenzofuran	4.00	U	0.93	4.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	4.00	U	1.50	4.00	5.00	ug/L
84-66-2	Diethylphthalate	4.00	U	1.00	4.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	4.00	U	0.98	4.00	5.00	ug/L
86-73-7	Fluorene	4.00	U	0.96	4.00	5.00	ug/L
100-01-6	4-Nitroaniline	4.00	U	2.00	4.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	8.00	U	3.10	8.00	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	4.00	U	0.89	4.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	4.00	U	0.95	4.00	5.00	ug/L
118-74-1	Hexachlorobenzene	4.00	U	1.10	4.00	5.00	ug/L
1912-24-9	Atrazine	4.00	U	1.30	4.00	5.00	ug/L
87-86-5	Pentachlorophenol	8.00	U	1.90	8.00	10.0	ug/L
85-01-8	Phenanthrene	4.00	U	0.89	4.00	5.00	ug/L
120-12-7	Anthracene	4.00	U	1.10	4.00	5.00	ug/L
86-74-8	Carbazole	4.00	U	1.20	4.00	5.00	ug/L
84-74-2	Di-n-butylphthalate	4.00	U	1.50	4.00	5.00	ug/L
206-44-0	Fluoranthene	4.00	U	1.30	4.00	5.00	ug/L
129-00-0	Pyrene	4.00	U	1.10	4.00	5.00	ug/L
85-68-7	Butylbenzylphthalate	4.00	U	2.10	4.00	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	8.00	U	1.30	8.00	10.0	ug/L
56-55-3	Benzo(a)anthracene	4.00	U	0.94	4.00	5.00	ug/L
218-01-9	Chrysene	4.00	U	0.86	4.00	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	4.00	U	1.90	4.00	5.00	ug/L
117-84-0	Di-n-octyl phthalate	8.00	U	2.50	8.00	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	4.00	U	1.10	4.00	5.00	ug/L

Raw Data: **BF141217.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB166117BL	SDG No.:	Q1122
Lab Sample ID:	PB166117BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141217.D	1	01/17/25 11:40	01/20/25 12:49	PB166117

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	4.00	U	1.20	4.00	5.00	ug/L
50-32-8	Benzo(a)pyrene	4.00	U	1.70	4.00	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	4.00	U	1.00	4.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	4.00	U	1.20	4.00	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	4.00	U	1.20	4.00	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	4.00	U	1.10	4.00	5.00	ug/L
123-91-1	1,4-Dioxane	4.00	U	1.30	4.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	4.00	U	0.79	4.00	5.00	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	144		19 - 119		96%	SPK: 150
13127-88-3	Phenol-d6	141		10 - 130		94%	SPK: 150
4165-60-0	Nitrobenzene-d5	97.8		44 - 120		98%	SPK: 100
321-60-8	2-Fluorobiphenyl	98.6		44 - 119		99%	SPK: 100
118-79-6	2,4,6-Tribromophenol	162		43 - 140		108%	SPK: 150
1718-51-0	Terphenyl-d14	92.3		50 - 134		92%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	159000	6.81				
1146-65-2	Naphthalene-d8	644000	8.092				
15067-26-2	Acenaphthene-d10	343000	9.845				
1517-22-2	Phenanthrene-d10	589000	11.328				
1719-03-5	Chrysene-d12	419000	13.969				
1520-96-3	Perylene-d12	332000	15.433				
TENTATIVE IDENTIFIED COMPOUNDS							
004744-10-9	Propane, 1,1-dimethoxy-	3.80	J			2.25	ug/L
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	9.70	A			5.04	ug/L

Raw Data: **BF141217.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB166117BL	SDG No.:	Q1122
Lab Sample ID:	PB166117BL	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141217.D	1	01/17/25 11:40	01/20/25 12:49	PB166117

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\BF012025\
Data File : BF141217.D
Acq On : 20 Jan 2025 12:49
Operator : RC/JU
Sample : PB166117BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166117BL

Quant Time: Jan 20 13:12:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

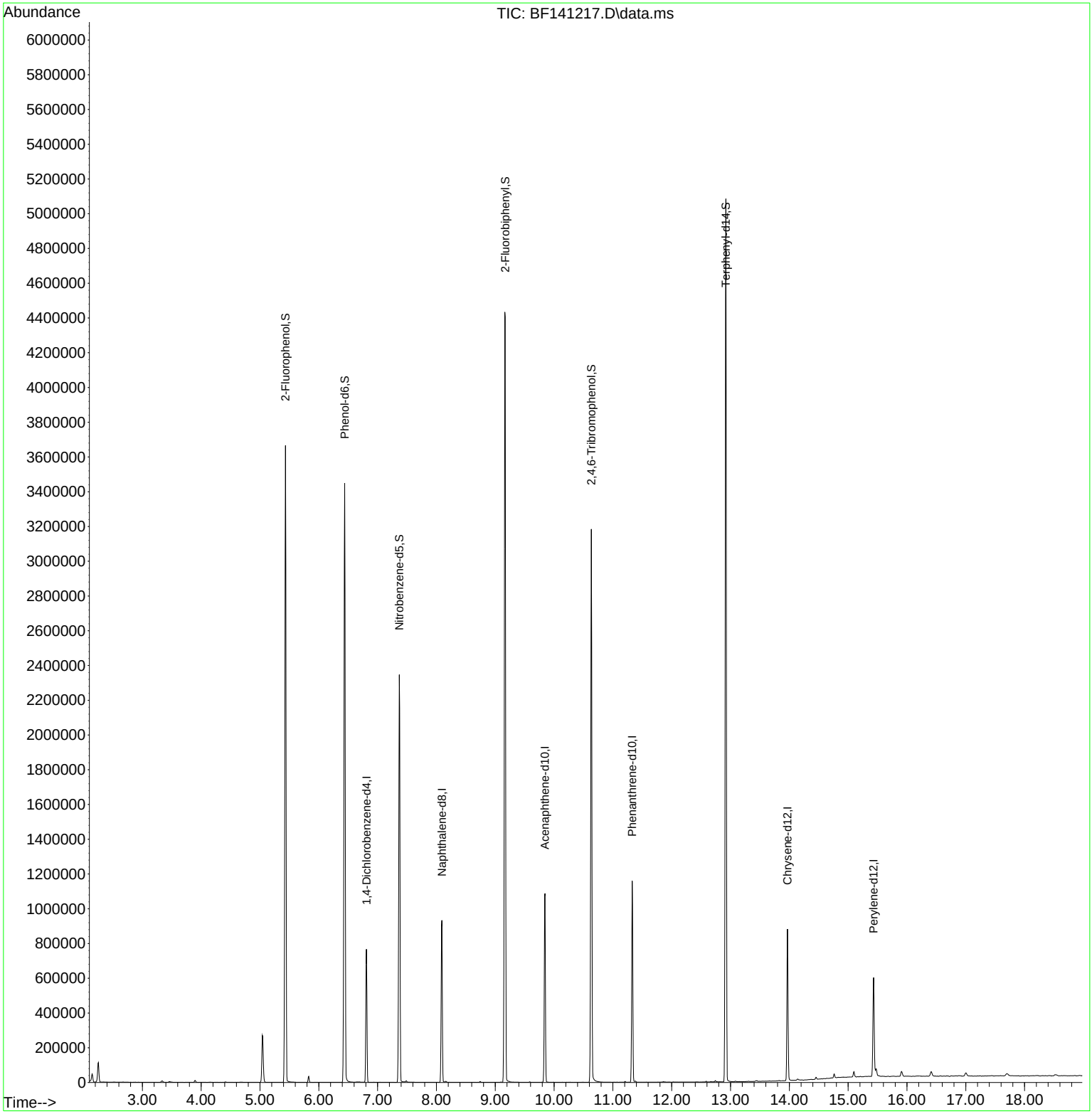
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.810	152	159319	20.000	ng	-0.01
21) Naphthalene-d8	8.092	136	644023	20.000	ng	-0.01
39) Acenaphthene-d10	9.845	164	342991	20.000	ng	-0.02
64) Phenanthrene-d10	11.328	188	588711	20.000	ng	-0.02
76) Chrysene-d12	13.969	240	419427	20.000	ng	-0.02
86) Perylene-d12	15.433	264	332363	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1480123	143.517	ng	0.00
7) Phenol-d6	6.440	99	1843280	141.098	ng	0.00
23) Nitrobenzene-d5	7.369	82	1188109	97.791	ng	-0.02
42) 2,4,6-Tribromophenol	10.633	330	632313	161.793	ng	-0.02
45) 2-Fluorobiphenyl	9.169	172	2213976	98.569	ng	-0.01
79) Terphenyl-d14	12.922	244	2605646	92.335	ng	-0.01
Target Compounds						Qvalue

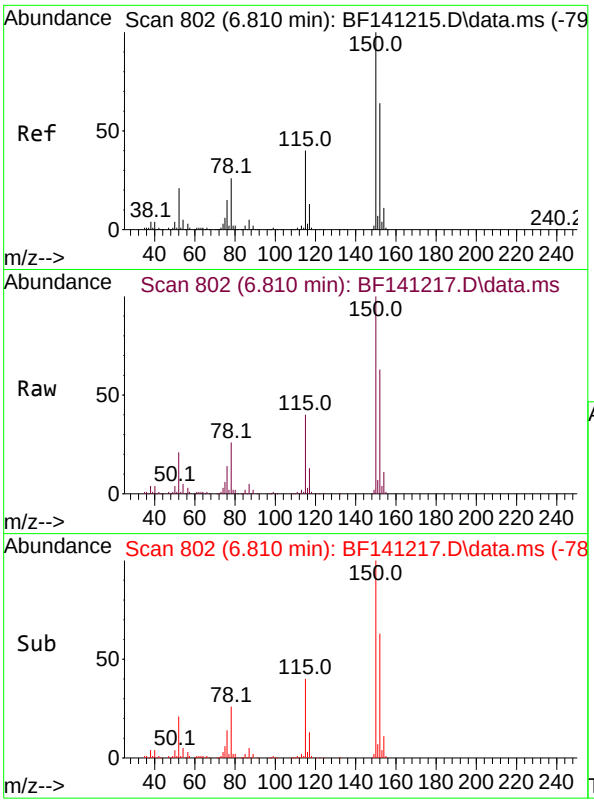
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141217.D
Acq On : 20 Jan 2025 12:49
Operator : RC/JU
Sample : PB166117BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166117BL

Quant Time: Jan 20 13:12:06 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration



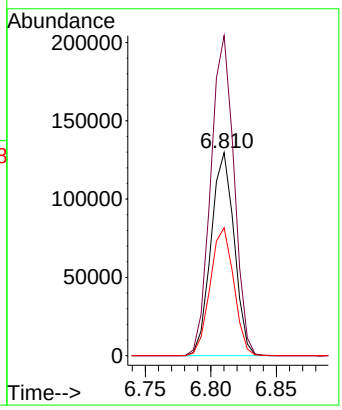


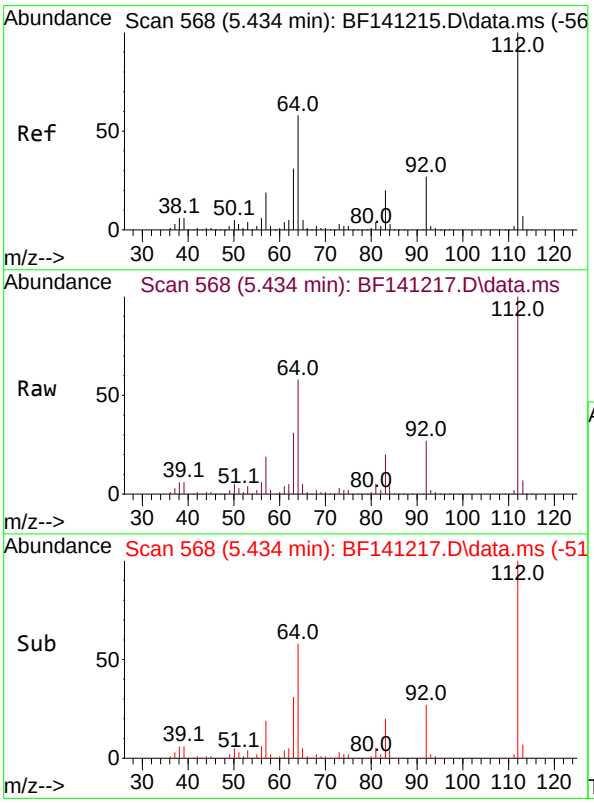
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141217.D
Acq: 20 Jan 2025 12:49

Instrument :
BNA_F
ClientSampleId :
PB166117BL

Tgt Ion:152 Resp: 159319

Ion	Ratio	Lower	Upper
152	100		
150	157.6	125.8	188.8
115	63.0	51.4	77.2

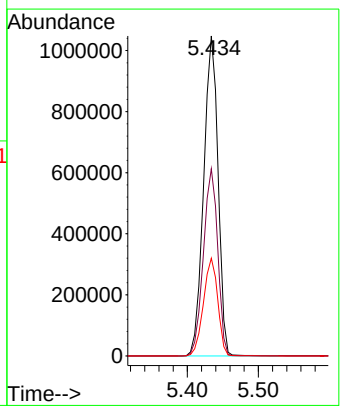


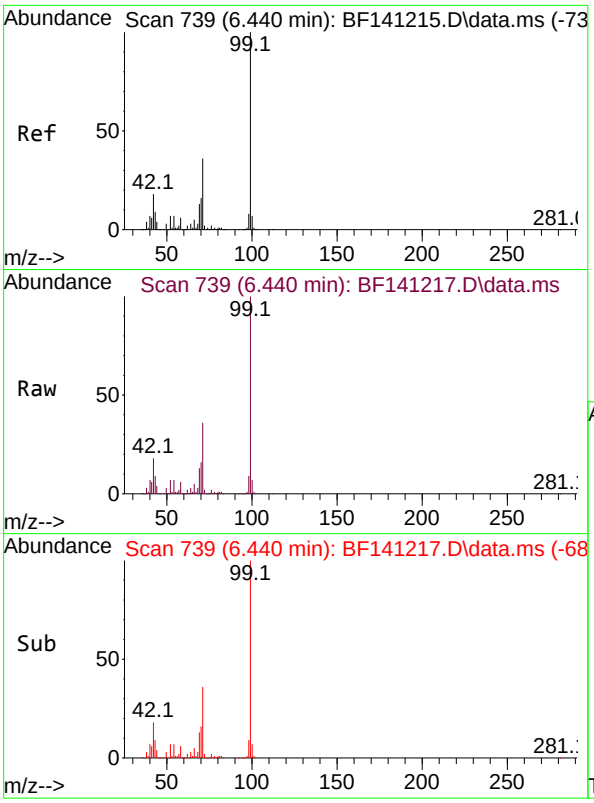


#5
2-Fluorophenol
Concen: 143.517 ng
RT: 5.434 min Scan# 568
Delta R.T. 0.006 min
Lab File: BF141217.D
Acq: 20 Jan 2025 12:49

Tgt Ion:112 Resp: 1480123

Ion	Ratio	Lower	Upper
112	100		
64	58.5	47.3	70.9
63	30.5	24.2	36.2



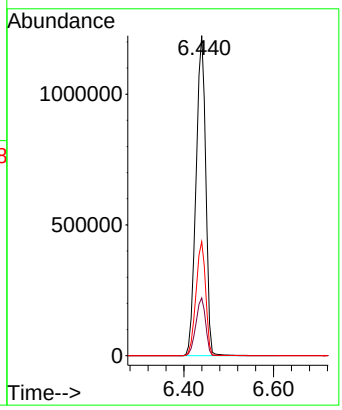


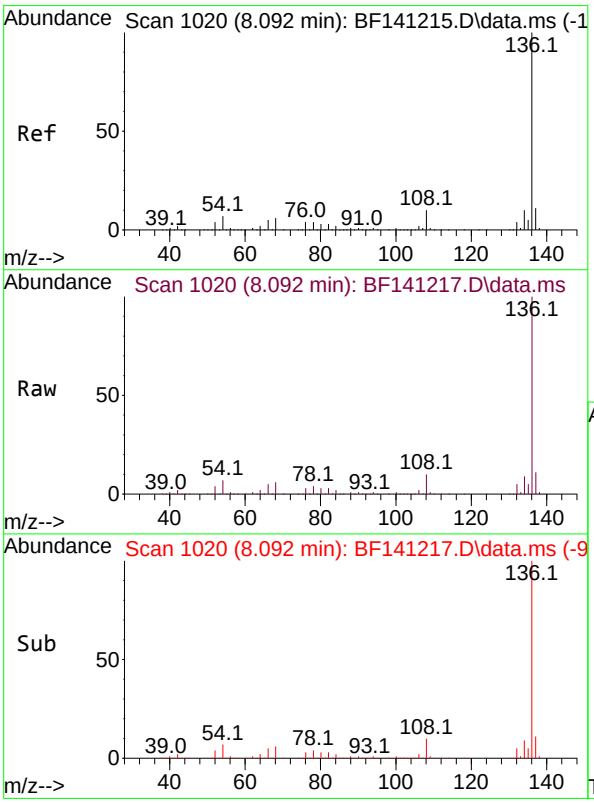
#7
Phenol-d6
Concen: 141.098 ng
RT: 6.440 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141217.D
Acq: 20 Jan 2025 12:49

Instrument :
BNA_F
ClientSampleId :
PB166117BL

Tgt Ion: 99 Resp: 1843280

Ion	Ratio	Lower	Upper
99	100		
42	18.1	15.0	22.4
71	35.6	27.6	41.4

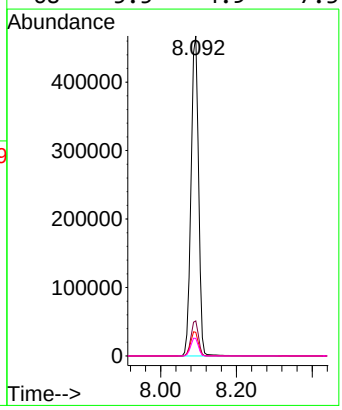


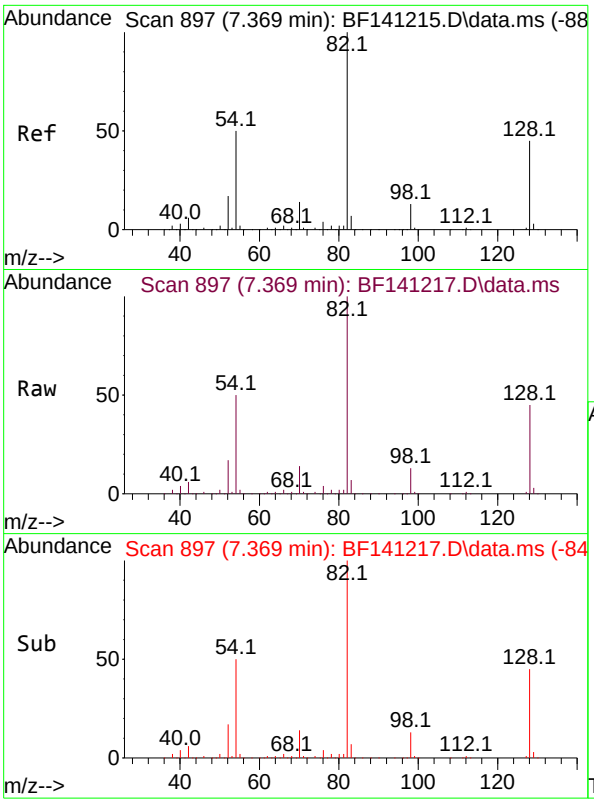


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 1020
Delta R.T. -0.012 min
Lab File: BF141217.D
Acq: 20 Jan 2025 12:49

Tgt Ion:136 Resp: 644023

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.4	6.3	9.5
68	5.5	4.9	7.3



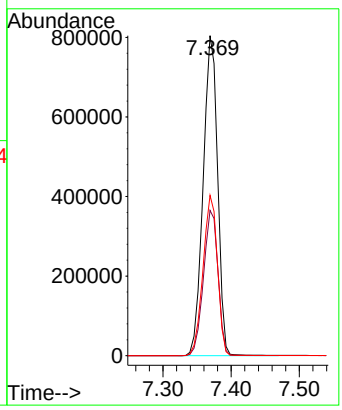


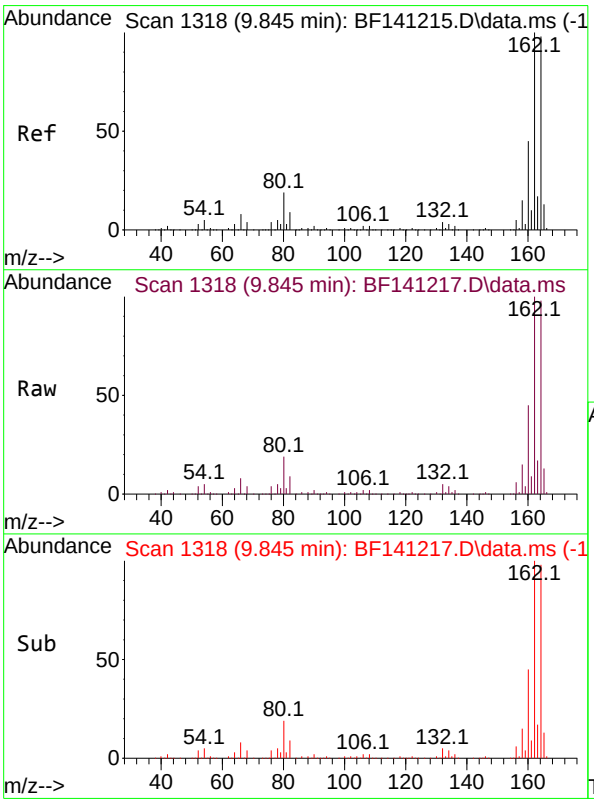
#23
Nitrobenzene-d5
Concen: 97.791 ng
RT: 7.369 min Scan# 8
Delta R.T. -0.018 min
Lab File: BF141217.D
Acq: 20 Jan 2025 12:49

Instrument :
BNA_F
ClientSampleId :
PB166117BL

Tgt Ion: 82 Resp: 1188109

Ion	Ratio	Lower	Upper
82	100		
128	45.4	36.1	54.1
54	50.1	41.0	61.4

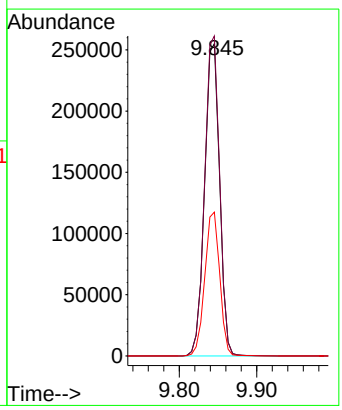


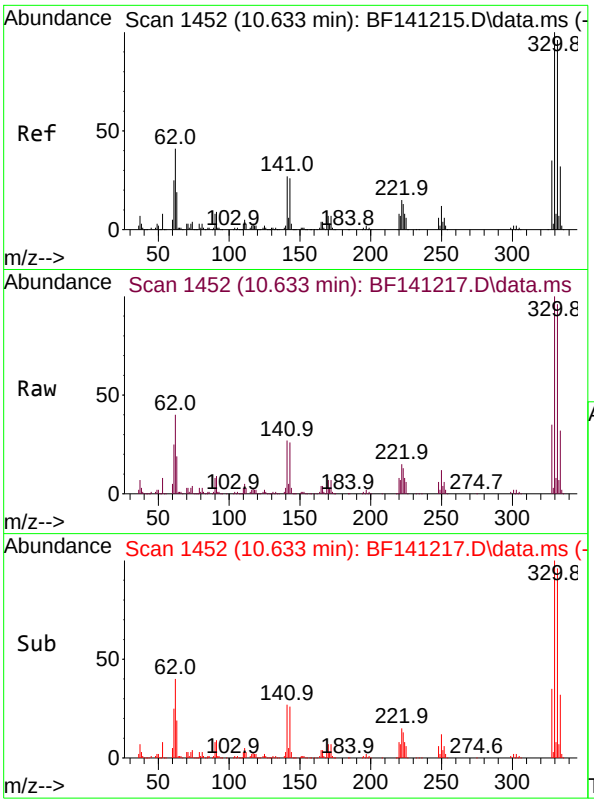


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.845 min Scan# 1318
Delta R.T. -0.018 min
Lab File: BF141217.D
Acq: 20 Jan 2025 12:49

Tgt Ion:164 Resp: 342991

Ion	Ratio	Lower	Upper
164	100		
162	102.5	81.0	121.4
160	46.1	36.1	54.1



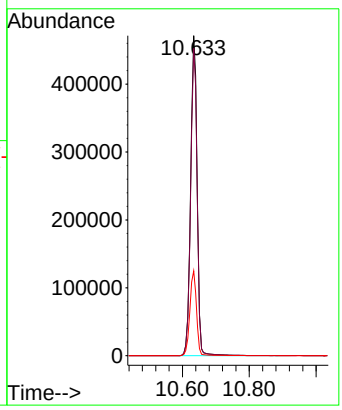


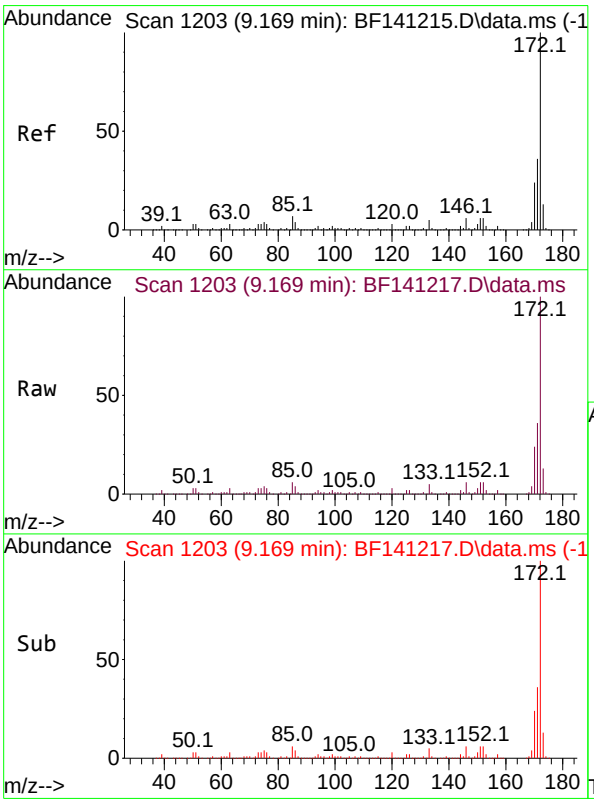
#42
2,4,6-Tribromophenol
Concen: 161.793 ng
RT: 10.633 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF141217.D
Acq: 20 Jan 2025 12:49

Instrument :
BNA_F
ClientSampleId :
PB166117BL

Tgt Ion:330 Resp: 632313

Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.9	115.3
141	27.1	25.2	37.8

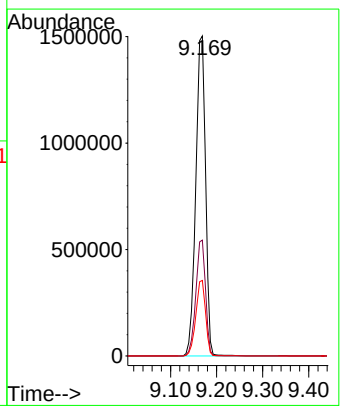


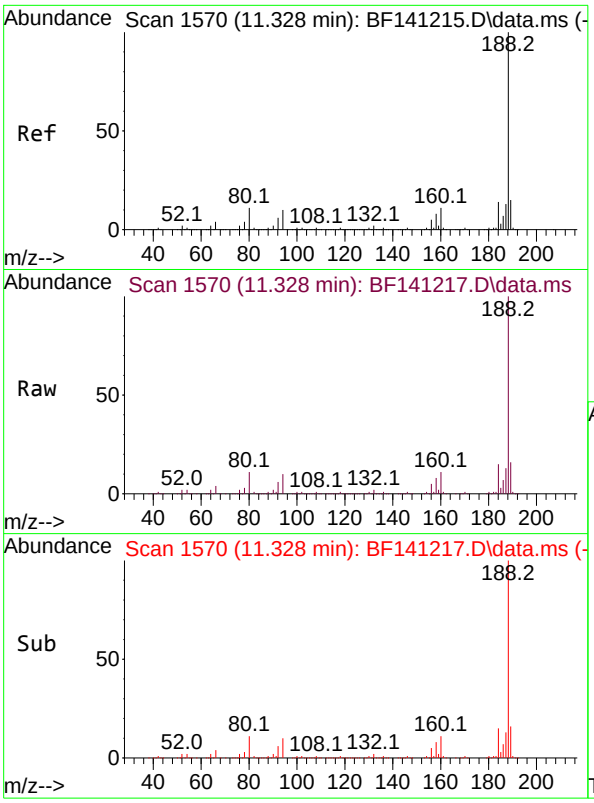


#45
2-Fluorobiphenyl
Concen: 98.569 ng
RT: 9.169 min Scan# 1203
Delta R.T. -0.012 min
Lab File: BF141217.D
Acq: 20 Jan 2025 12:49

Tgt Ion:172 Resp: 2213976

Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.7	43.1
170	23.6	19.0	28.6



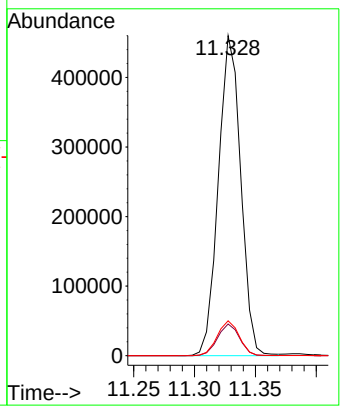


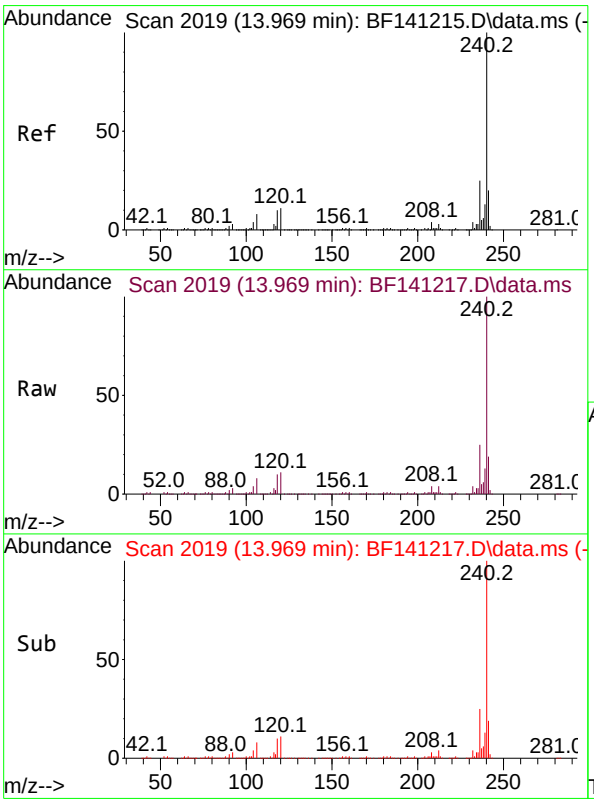
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.328 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141217.D
Acq: 20 Jan 2025 12:49

Instrument :
BNA_F
ClientSampleId :
PB166117BL

Tgt Ion:188 Resp: 588711

Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.3	12.5
80	10.9	9.0	13.4

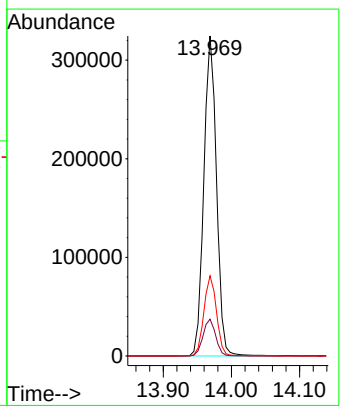


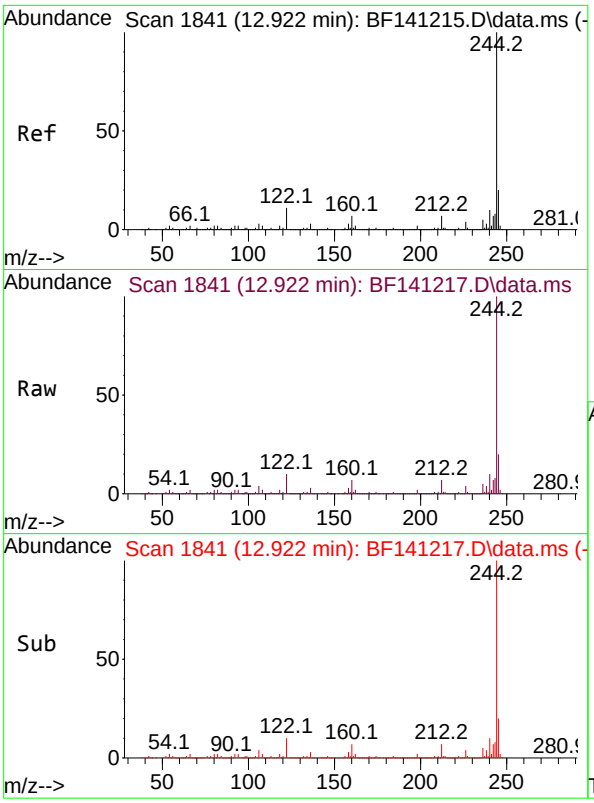


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.969 min Scan# 2019
Delta R.T. -0.018 min
Lab File: BF141217.D
Acq: 20 Jan 2025 12:49

Tgt Ion:240 Resp: 419427

Ion	Ratio	Lower	Upper
240	100		
120	11.5	9.1	13.7
236	25.1	19.8	29.6



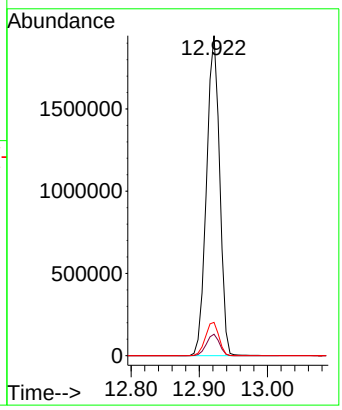


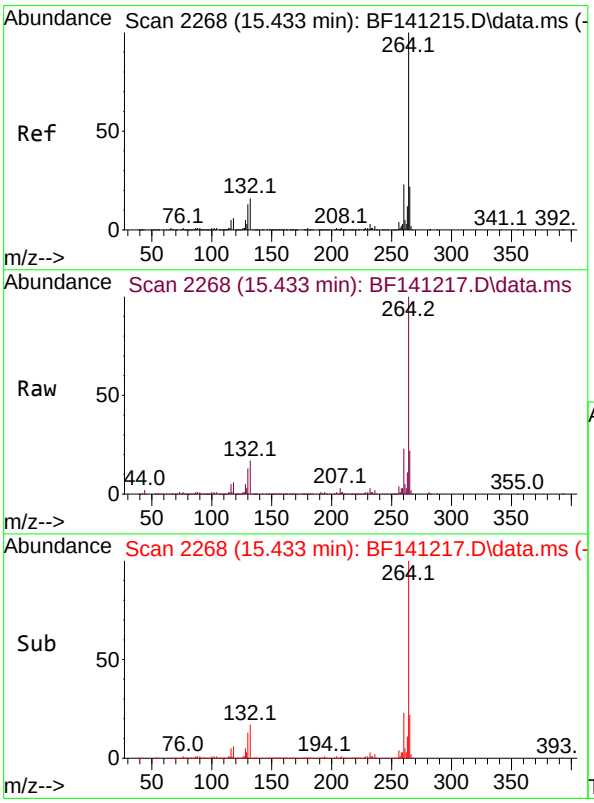
#79
Terphenyl-d14
Concen: 92.335 ng
RT: 12.922 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141217.D
Acq: 20 Jan 2025 12:49

Instrument :
BNA_F
ClientSampleId :
PB166117BL

Tgt Ion:244 Resp: 2605646

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.2
122	10.4	8.8	13.2

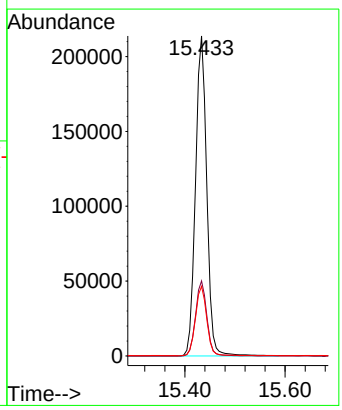




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF141217.D
Acq: 20 Jan 2025 12:49

Tgt Ion:264 Resp: 332363

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.6	28.0
265	21.8	17.4	26.0



Sample Results: **BF141217.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141217.D
Acq On : 20 Jan 2025 12:49
Operator : RC/JU
Sample : PB166117BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166117BL

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

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

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141217.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.146	3	9	18	rVB	46637	81888	1.20%	0.209%
2	2.252	18	27	36	rBV	112673	182041	2.67%	0.464%
3	5.040	492	501	513	rBV	270564	459951	6.75%	1.173%
4	5.434	561	568	573	rBV	3665001	5146581	75.51%	13.123%
5	6.440	731	739	744	rBV	3448446	5163282	75.76%	13.166%
6	6.810	796	802	807	rVB	764941	949104	13.93%	2.420%
7	7.369	890	897	903	rBV	2345787	3451548	50.64%	8.801%
8	8.092	1013	1020	1025	rBV	932517	1275856	18.72%	3.253%
9	9.163	1195	1202	1208	rBV	4432453	6487923	95.19%	16.543%
10	9.845	1311	1318	1323	rBV	1086192	1462662	21.46%	3.730%
11	10.633	1445	1452	1457	rBV	3183151	4260985	62.52%	10.865%
12	11.328	1564	1570	1576	rBV	1158536	1477264	21.67%	3.767%
13	12.922	1834	1841	1846	rBV	5082036	6815678	100.00%	17.379%
14	13.969	2014	2019	2032	rBV	871140	1117041	16.39%	2.848%
15	15.433	2262	2268	2273	rBV	567623	885628	12.99%	2.258%

Sum of corrected areas: 39217432

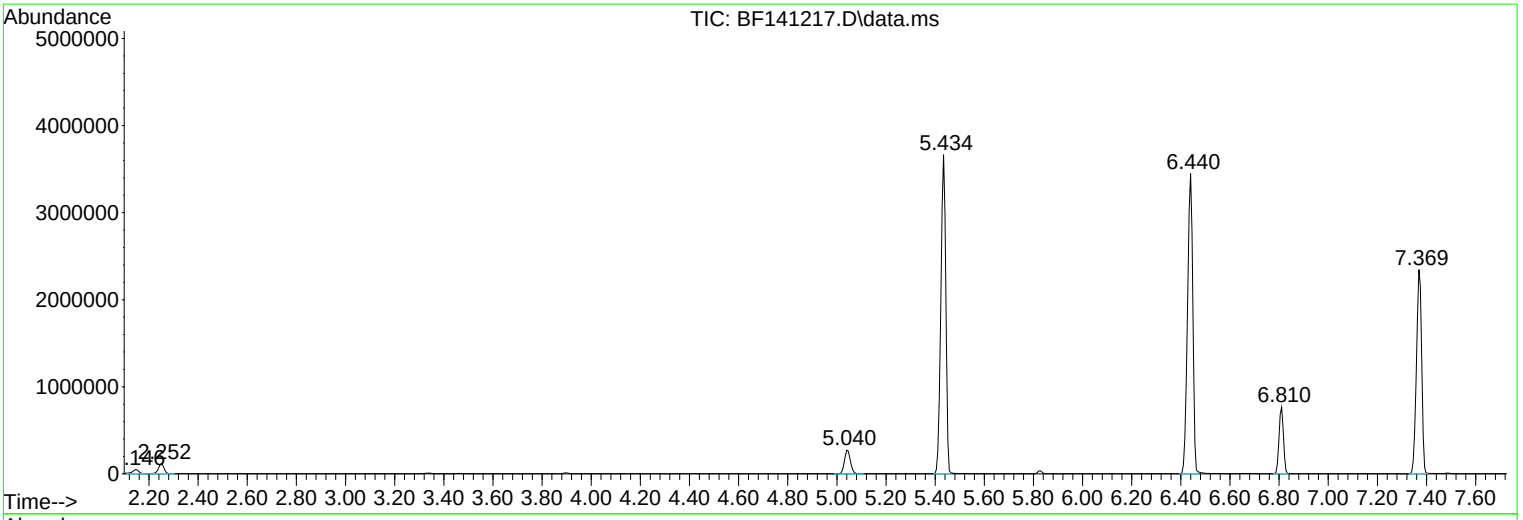
Sample Results: **BF141217.D**

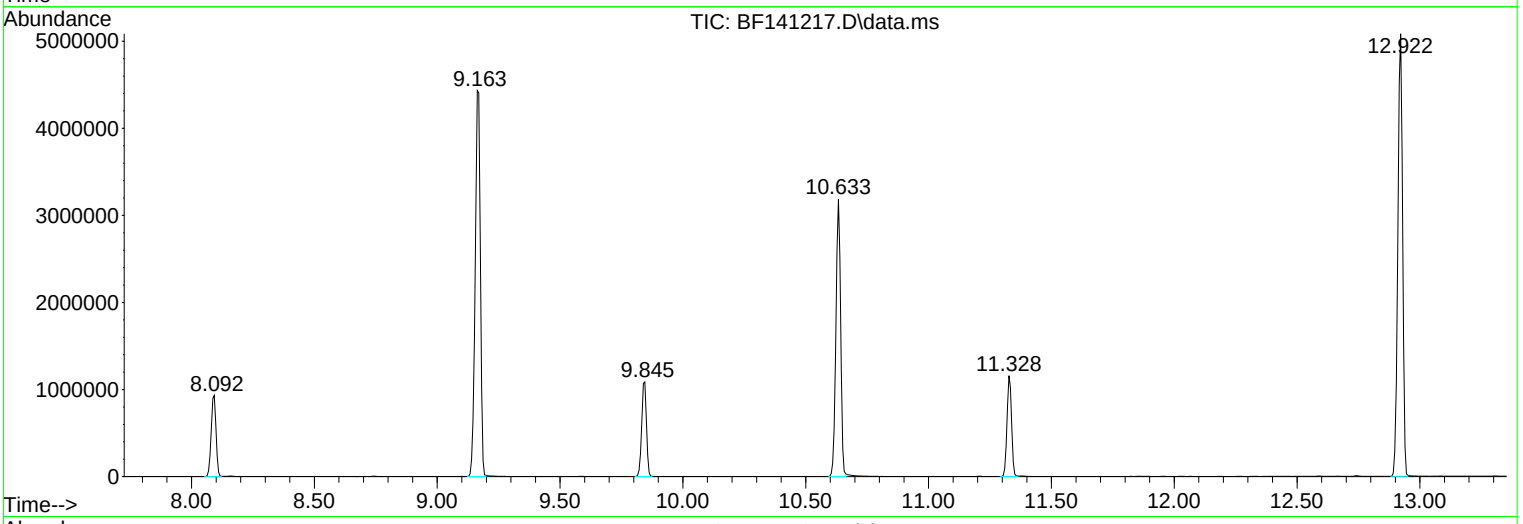
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141217.D
Acq On : 20 Jan 2025 12:49
Operator : RC/JU
Sample : PB166117BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

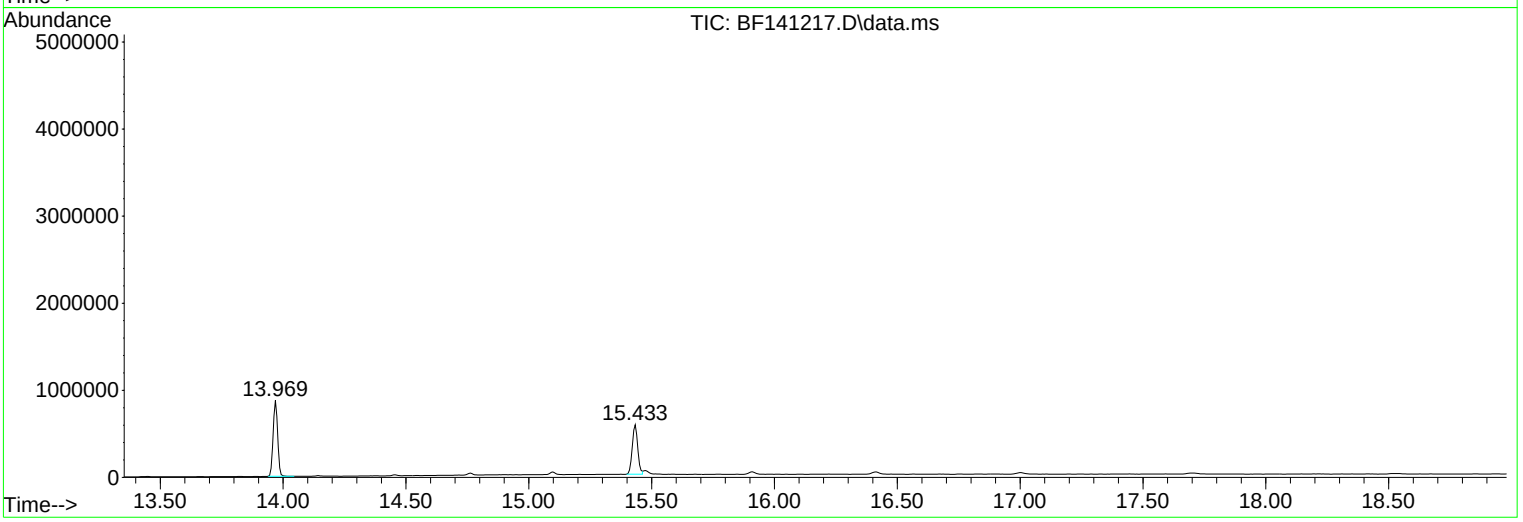
Instrument :
BNA_F
ClientSampleId :
PB166117BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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







Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141217.D
Acq On : 20 Jan 2025 12:49
Operator : RC/JU
Sample : PB166117BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166117BL

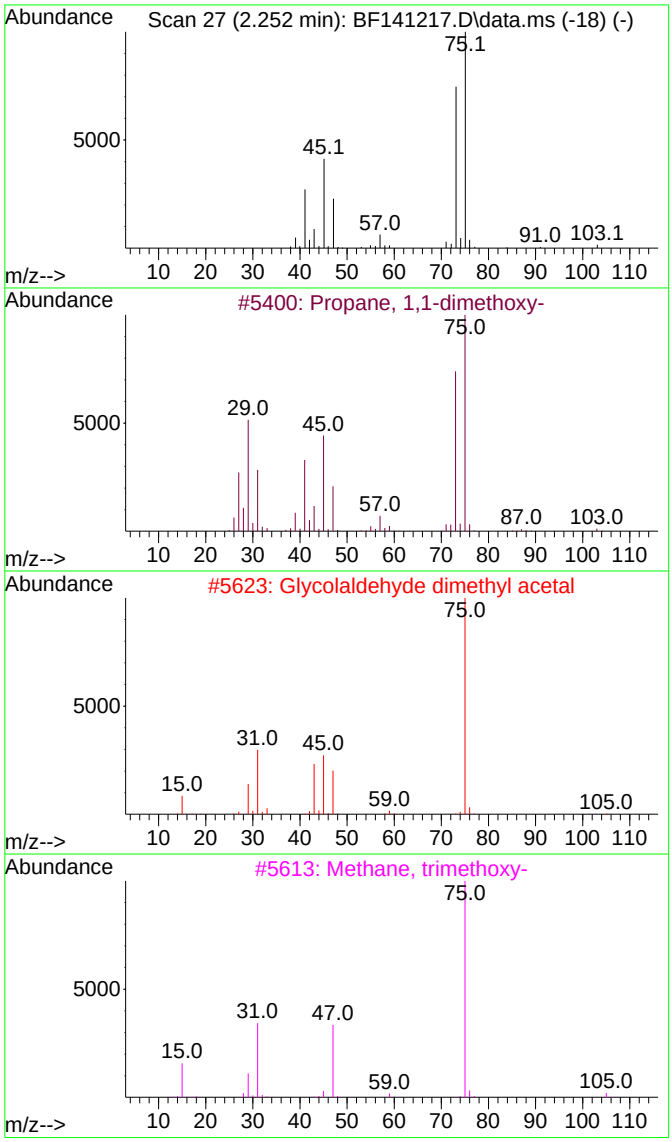
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

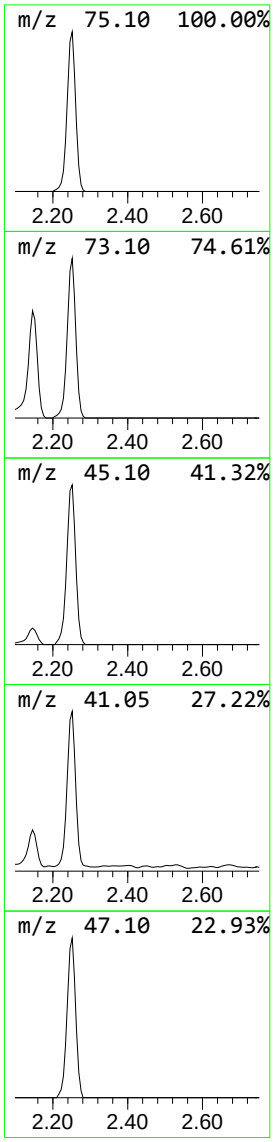
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Propane, 1,1-dimethoxy- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.252	3.84 ng	182041	1,4-Dichlorobenzene-d4	6.810

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Propane, 1,1-dimethoxy-	104	C5H12O2	004744-10-9	83
2	Glycolaldehyde dimethyl acetal	106	C4H10O3	030934-97-5	42
3	Methane, trimethoxy-	106	C4H10O3	000149-73-5	38
4	Aminoacetaldehyde dimethyl acetal	105	C4H11NO2	022483-09-6	33
5	1,3-Dioxolane, 2-(1-bromoethyl)-	180	C5H9BrO2	005267-73-2	12





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141217.D
Acq On : 20 Jan 2025 12:49
Operator : RC/JU
Sample : PB166117BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166117BL

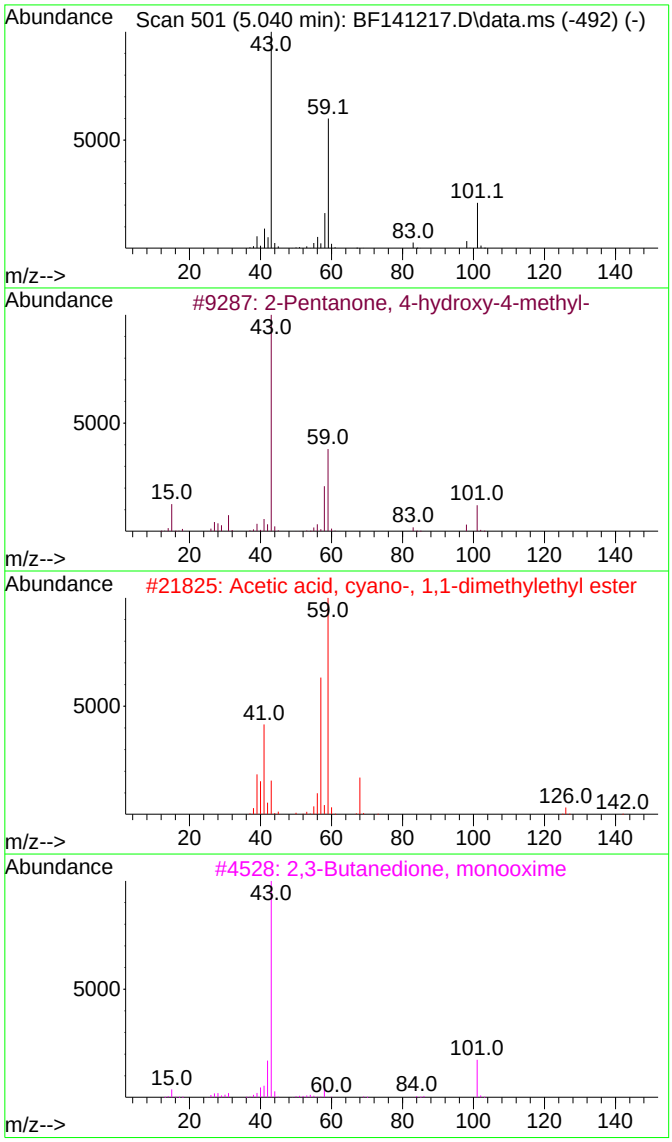
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

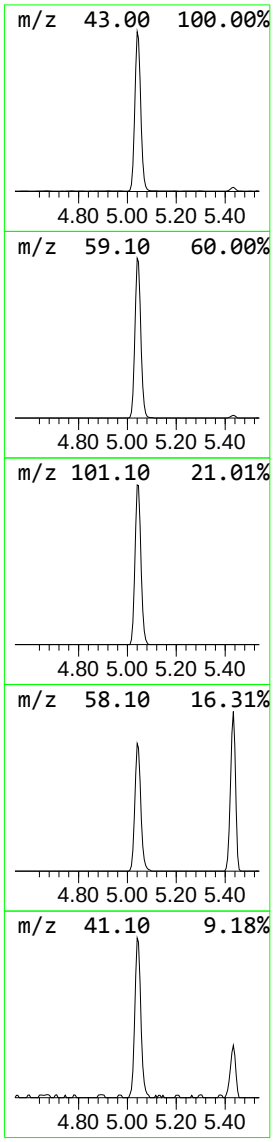
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.040	9.69 ng	459951	1,4-Dichlorobenzene-d4	6.810

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	32
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	12
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
5	Acetone	58	C3H6O	000067-64-1	10





Sample Results: **BF141217.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141217.D
Acq On : 20 Jan 2025 12:49
Operator : RC/JU
Sample : PB166117BL
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166117BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Propane, 1,1-di...	2.252	3.8	ng	182041	1	6.810	949104	20.0
2-Pentanone, 4-...	5.040	9.7	ng	459951	1	6.810	949104	20.0

Raw Data: **BF141218.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB166117BS	SDG No.:	Q1122
Lab Sample ID:	PB166117BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141218.D	1	01/17/25 11:40	01/20/25 13:15	PB166117

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	8.30	J	4.00	8.00	10.0	ug/L
108-95-2	Phenol	48.5		0.93	4.00	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	49.2		1.20	4.00	5.00	ug/L
95-57-8	2-Chlorophenol	51.1		0.71	4.00	5.00	ug/L
95-48-7	2-Methylphenol	50.7		1.10	4.00	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	47.1		1.40	4.00	5.00	ug/L
98-86-2	Acetophenone	47.8		1.10	4.00	5.00	ug/L
65794-96-9	3+4-Methylphenols	48.4		1.20	8.00	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	49.2		1.50	2.50	2.50	ug/L
67-72-1	Hexachloroethane	48.5		1.00	4.00	5.00	ug/L
98-95-3	Nitrobenzene	45.7		1.30	4.00	5.00	ug/L
78-59-1	Isophorone	49.4		1.10	4.00	5.00	ug/L
88-75-5	2-Nitrophenol	51.8		2.00	4.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	58.3		1.50	4.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	48.3		1.00	4.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	50.3		0.88	4.00	5.00	ug/L
91-20-3	Naphthalene	47.4		1.00	4.00	5.00	ug/L
106-47-8	4-Chloroaniline	18.2		1.30	4.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	47.2		1.30	4.00	5.00	ug/L
105-60-2	Caprolactam	47.5		1.70	8.00	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	49.8		0.84	4.00	5.00	ug/L
91-57-6	2-Methylnaphthalene	48.5		1.10	4.00	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	190	E	5.00	8.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	51.3		0.89	4.00	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	49.2		1.00	4.00	5.00	ug/L
92-52-4	1,1-Biphenyl	48.8		0.91	4.00	5.00	ug/L
91-58-7	2-Chloronaphthalene	47.0		0.97	4.00	5.00	ug/L
88-74-4	2-Nitroaniline	49.2		1.40	4.00	5.00	ug/L
131-11-3	Dimethylphthalate	50.0		0.93	4.00	5.00	ug/L

Raw Data: **BF141218.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB166117BS	SDG No.:	Q1122
Lab Sample ID:	PB166117BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141218.D	1	01/17/25 11:40	01/20/25 13:15	PB166117

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	51.3		1.00	4.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	48.7		1.20	4.00	5.00	ug/L
99-09-2	3-Nitroaniline	30.0		1.40	4.00	5.00	ug/L
83-32-9	Acenaphthene	55.1		0.81	4.00	5.00	ug/L
51-28-5	2,4-Dinitrophenol	120	E	6.40	8.00	10.0	ug/L
100-02-7	4-Nitrophenol	100	E	2.00	8.00	10.0	ug/L
132-64-9	Dibenzofuran	48.8		0.93	4.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	51.6		1.50	4.00	5.00	ug/L
84-66-2	Diethylphthalate	49.5		1.00	4.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	49.0		0.98	4.00	5.00	ug/L
86-73-7	Fluorene	49.0		0.96	4.00	5.00	ug/L
100-01-6	4-Nitroaniline	49.6		2.00	4.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	60.4		3.10	8.00	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	50.4		0.89	4.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	50.9		0.95	4.00	5.00	ug/L
118-74-1	Hexachlorobenzene	51.4		1.10	4.00	5.00	ug/L
1912-24-9	Atrazine	64.3		1.30	4.00	5.00	ug/L
87-86-5	Pentachlorophenol	100	E	1.90	8.00	10.0	ug/L
85-01-8	Phenanthrene	51.6		0.89	4.00	5.00	ug/L
120-12-7	Anthracene	53.6		1.10	4.00	5.00	ug/L
86-74-8	Carbazole	51.3		1.20	4.00	5.00	ug/L
84-74-2	Di-n-butylphthalate	52.2		1.50	4.00	5.00	ug/L
206-44-0	Fluoranthene	53.3		1.30	4.00	5.00	ug/L
129-00-0	Pyrene	46.0		1.10	4.00	5.00	ug/L
85-68-7	Butylbenzylphthalate	53.8		2.10	4.00	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	29.2		1.30	8.00	10.0	ug/L
56-55-3	Benzo(a)anthracene	47.4		0.94	4.00	5.00	ug/L
218-01-9	Chrysene	49.7		0.86	4.00	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	54.2		1.90	4.00	5.00	ug/L
117-84-0	Di-n-octyl phthalate	53.3		2.50	8.00	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	54.7		1.10	4.00	5.00	ug/L

Raw Data: **BF141218.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB166117BS	SDG No.:	Q1122
Lab Sample ID:	PB166117BS	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141218.D	1	01/17/25 11:40	01/20/25 13:15	PB166117

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	49.8		1.20	4.00	5.00	ug/L
50-32-8	Benzo(a)pyrene	55.2		1.70	4.00	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	49.4		1.00	4.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	48.8		1.20	4.00	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	44.9		1.20	4.00	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	49.3		1.10	4.00	5.00	ug/L
123-91-1	1,4-Dioxane	41.3		1.30	4.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	51.8		0.79	4.00	5.00	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	136		19 - 119		91%	SPK: 150
13127-88-3	Phenol-d6	135		10 - 130		90%	SPK: 150
4165-60-0	Nitrobenzene-d5	94.7		44 - 120		95%	SPK: 100
321-60-8	2-Fluorobiphenyl	95.4		44 - 119		95%	SPK: 100
118-79-6	2,4,6-Tribromophenol	157		43 - 140		105%	SPK: 150
1718-51-0	Terphenyl-d14	96.5		50 - 134		97%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	162000	6.81				
1146-65-2	Naphthalene-d8	656000	8.092				
15067-26-2	Acenaphthene-d10	349000	9.845				
1517-22-2	Phenanthrene-d10	597000	11.333				
1719-03-5	Chrysene-d12	392000	13.974				
1520-96-3	Perylene-d12	342000	15.427				

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: **BF141218.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141218.D
Acq On : 20 Jan 2025 13:15
Operator : RC/JU
Sample : PB166117BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 20 13:42:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB166117BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.810	152	161782	20.000	ng		-0.01
21) Naphthalene-d8	8.092	136	655900	20.000	ng		-0.01
39) Acenaphthene-d10	9.845	164	349277	20.000	ng		-0.02
64) Phenanthrene-d10	11.333	188	596700	20.000	ng		-0.01
76) Chrysene-d12	13.974	240	391687	20.000	ng		-0.01
86) Perylene-d12	15.427	264	341954	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.434	112	1423767	135.951	ng		0.00
7) Phenol-d6	6.445	99	1795032	135.312	ng		0.00
23) Nitrobenzene-d5	7.375	82	1171438	94.673	ng		-0.01
42) 2,4,6-Tribromophenol	10.639	330	626751	157.484	ng		-0.01
45) 2-Fluorobiphenyl	9.169	172	2181161	95.361	ng		-0.01
79) Terphenyl-d14	12.922	244	2543164	96.504	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.634	88	192401	41.256	ng		97
3) Pyridine	3.363	79	471124	41.195	ng		97
4) n-Nitrosodimethylamine	3.316	42	260142	46.521	ng		98
6) Aniline	6.475	93	479011	40.670	ng	#	89
8) 2-Chlorophenol	6.598	128	574035	51.089	ng		96
9) Benzaldehyde	6.357	77	64923	8.309	ng		99
10) Phenol	6.457	94	689111	48.527	ng		90
11) bis(2-Chloroethyl)ether	6.551	93	520505	49.183	ng		97
12) 1,3-Dichlorobenzene	6.751	146	588814	46.987	ng		100
13) 1,4-Dichlorobenzene	6.828	146	597776	47.337	ng		99
14) 1,2-Dichlorobenzene	6.981	146	579077	49.160	ng		98
15) Benzyl Alcohol	6.957	79	491614	51.315	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.087	45	696139	47.138	ng		94
17) 2-Methylphenol	7.069	107	460047	50.715	ng		98
18) Hexachloroethane	7.322	117	221353	48.471	ng		98
19) n-Nitroso-di-n-propyla...	7.228	70	384185	49.163	ng		97
20) 3+4-Methylphenols	7.222	107	553582	48.372	ng	#	81
22) Acetophenone	7.222	105	744694	47.760	ng	#	95
24) Nitrobenzene	7.392	77	589914	45.745	ng		100
25) Isophorone	7.634	82	1045230	49.430	ng		99
26) 2-Nitrophenol	7.710	139	304130	51.845	ng		99
27) 2,4-Dimethylphenol	7.745	122	461535	58.330	ng		98
28) bis(2-Chloroethoxy)met...	7.845	93	641396	48.332	ng		100
29) 2,4-Dichlorophenol	7.951	162	472573	50.287	ng		99
30) 1,2,4-Trichlorobenzene	8.034	180	495977	46.173	ng		99
31) Naphthalene	8.116	128	1641128	47.446	ng		100
32) Benzoic acid	7.869	122	386559	50.928	ng		97
33) 4-Chloroaniline	8.163	127	217308	18.166	ng		99
34) Hexachlorobutadiene	8.234	225	305369	47.180	ng		100
35) Caprolactam	8.534	113	146246m	47.534	ng		
36) 4-Chloro-3-methylphenol	8.645	107	511507	49.770	ng		99
37) 2-Methylnaphthalene	8.804	142	1069518	48.523	ng		99
38) 1-Methylnaphthalene	8.904	142	995441	45.825	ng		100
40) 1,2,4,5-Tetrachloroben...	8.969	216	494483	49.325	ng		98
41) Hexachlorocyclopentadiene	8.957	237	615991	187.813	ng		100
43) 2,4,6-Trichlorophenol	9.081	196	347068	51.332	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141218.D
Acq On : 20 Jan 2025 13:15
Operator : RC/JU
Sample : PB166117BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jan 20 13:42:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB166117BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.128	196	351551	49.232	ng	99
46) 1,1'-Biphenyl	9.269	154	1324467	48.829	ng	99
47) 2-Chloronaphthalene	9.292	162	993920	47.045	ng	100
48) 2-Nitroaniline	9.386	65	308424	49.248	ng	98
49) Acenaphthylene	9.710	152	1548262	51.294	ng	100
50) Dimethylphthalate	9.575	163	1173008	50.025	ng	100
51) 2,6-Dinitrotoluene	9.634	165	265650	48.718	ng	99
52) Acenaphthene	9.881	154	1161330	55.071	ng	99
53) 3-Nitroaniline	9.798	138	166299	30.011	ng	99
54) 2,4-Dinitrophenol	9.910	184	309500	119.414	ng	95
55) Dibenzofuran	10.057	168	1398581	48.758	ng	100
56) 4-Nitrophenol	9.963	139	435346	100.317	ng	95
57) 2,4-Dinitrotoluene	10.039	165	362433	51.576	ng	98
58) Fluorene	10.398	166	1091586	48.984	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.169	232	307358	51.784	ng	100
60) Diethylphthalate	10.275	149	1132863	49.488	ng	99
61) 4-Chlorophenyl-phenyle...	10.386	204	532210	49.001	ng	97
62) 4-Nitroaniline	10.416	138	269068	49.612	ng	96
63) Azobenzene	10.551	77	1104849	48.914	ng	99
65) 4,6-Dinitro-2-methylph...	10.445	198	208758	60.375	ng	98
66) n-Nitrosodiphenylamine	10.510	169	969467	50.372	ng	99
67) 4-Bromophenyl-phenylether	10.881	248	349844	50.925	ng	99
68) Hexachlorobenzene	10.945	284	393452	51.449	ng	98
69) Atrazine	11.039	200	333043	64.267	ng	99
70) Pentachlorophenol	11.139	266	501513	102.404	ng	100
71) Phenanthrene	11.357	178	1652640	51.589	ng	100
72) Anthracene	11.410	178	1668857	53.576	ng	100
73) Carbazole	11.563	167	1464784	51.285	ng	100
74) Di-n-butylphthalate	11.898	149	1707757	52.246	ng	100
75) Fluoranthene	12.545	202	1702508	53.257	ng	99
77) Benzidine	12.669	184	401458	55.270	ng	99
78) Pyrene	12.775	202	1721782	46.023	ng	99
80) Butylbenzylphthalate	13.398	149	671618	53.845	ng	98
81) Benzo(a)anthracene	13.963	228	1264293	47.429	ng	99
82) 3,3'-Dichlorobenzidine	13.927	252	248240	29.246	ng	99
83) Chrysene	14.004	228	1239477	49.694	ng	99
84) Bis(2-ethylhexyl)phtha...	13.957	149	811154	54.200	ng	99
85) Di-n-octyl phthalate	14.574	149	1205001	53.319	ng	98
87) Indeno(1,2,3-cd)pyrene	16.880	276	1238001	49.416	ng	98
88) Benzo(b)fluoranthene	15.010	252	1206417	54.712	ng	100
89) Benzo(k)fluoranthene	15.039	252	928188	49.810	ng	99
90) Benzo(a)pyrene	15.368	252	1004648	55.223	ng	99
91) Dibenzo(a,h)anthracene	16.898	278	989420	48.830	ng	99
92) Benzo(g,h,i)perylene	17.315	276	945921	44.881	ng	99

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

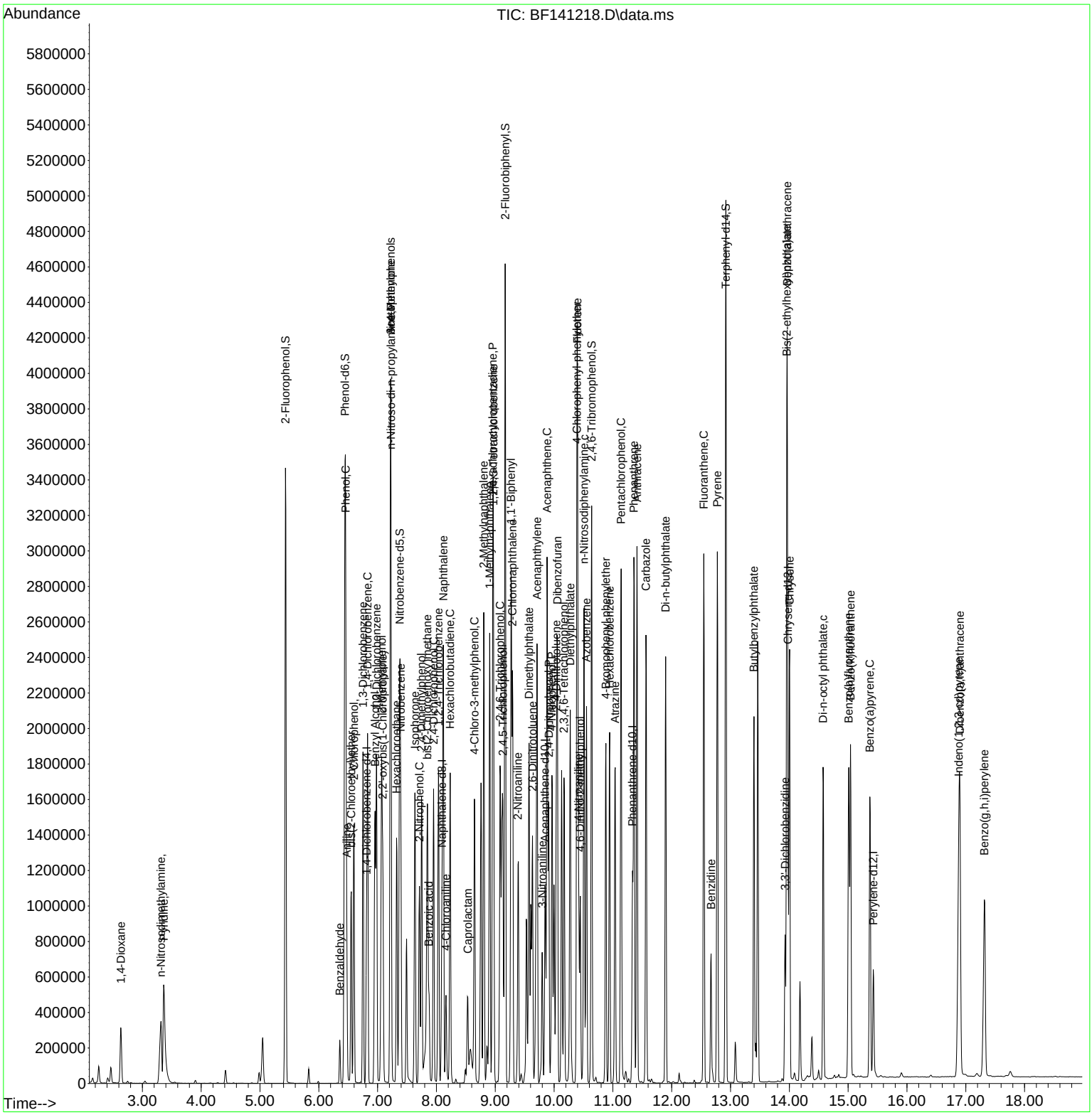
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Data File : BF141218.D
Acq On : 20 Jan 2025 13:15
Operator : RC/JU
Sample : PB166117BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

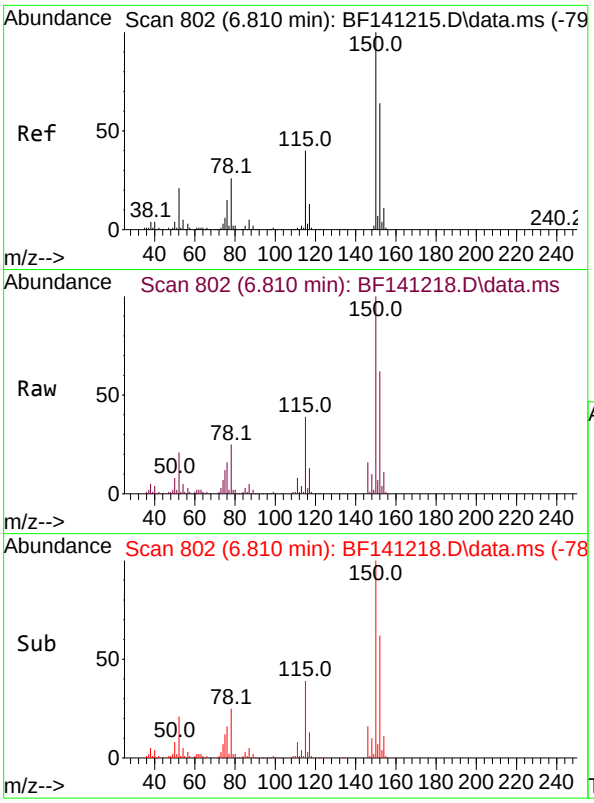
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB166117BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

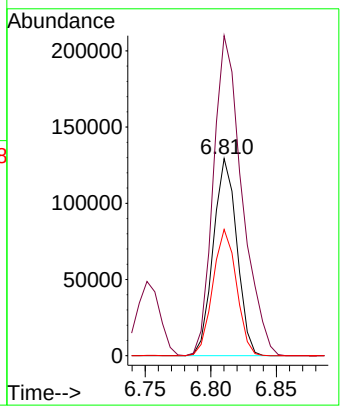




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:152 Resp: 16178

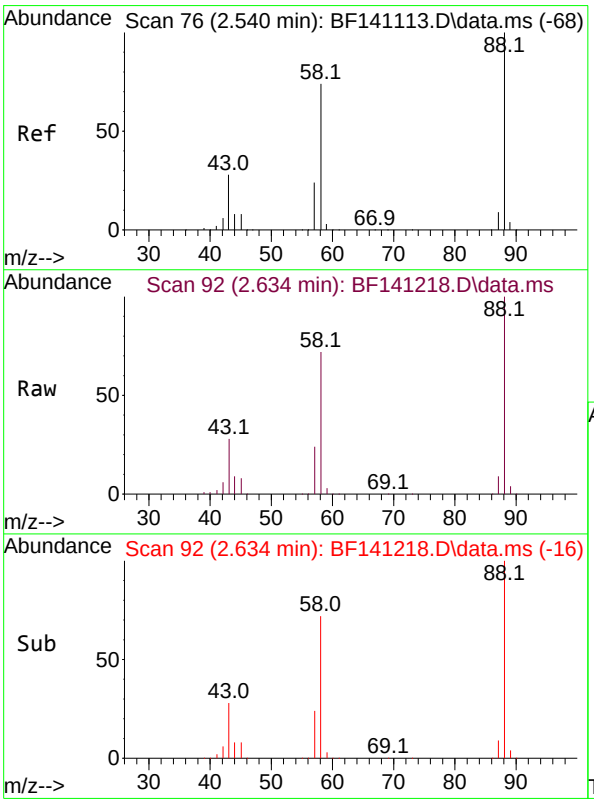
Ion	Ratio	Lower	Upper
152	100		
150	162.3	125.8	188.8
115	64.0	51.4	77.2



Instrument :
BNA_F
ClientSampleId :
PB166117BS

Manual Integrations
APPROVED

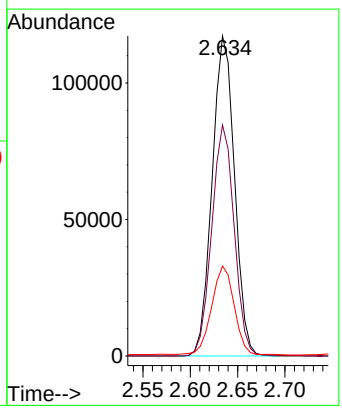
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

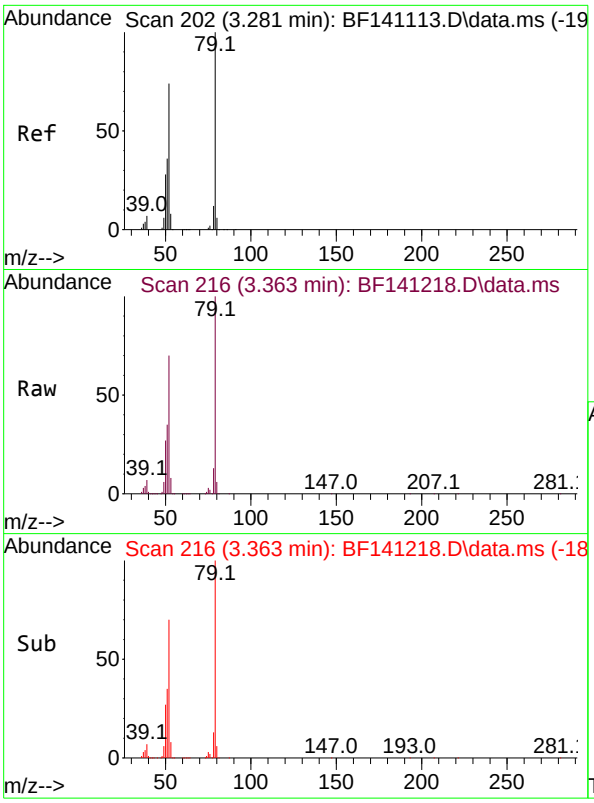


#2
1,4-Dioxane
Concen: 41.256 ng
RT: 2.634 min Scan# 92
Delta R.T. 0.094 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion: 88 Resp: 192401

Ion	Ratio	Lower	Upper
88	100		
58	72.5	60.1	90.1
43	27.5	23.1	34.7

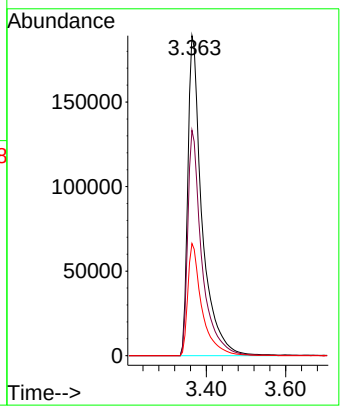




#3
Pyridine
Concen: 41.195 ng
RT: 3.363 min Scan# 21
Delta R.T. 0.082 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion: 79 Resp: 47112

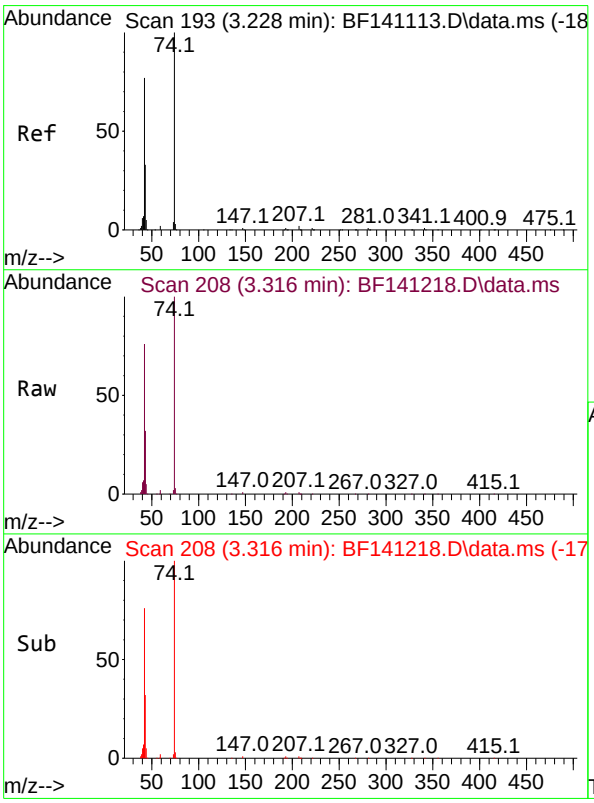
Ion	Ratio	Lower	Upper
79	100		
52	70.4	58.9	88.3
51	35.1	29.1	43.7



Instrument :
BNA_F
ClientSampleId :
PB166117BS

Manual Integrations
APPROVED

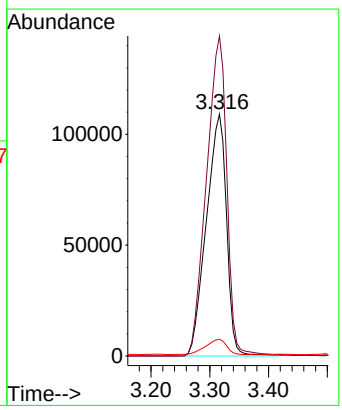
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

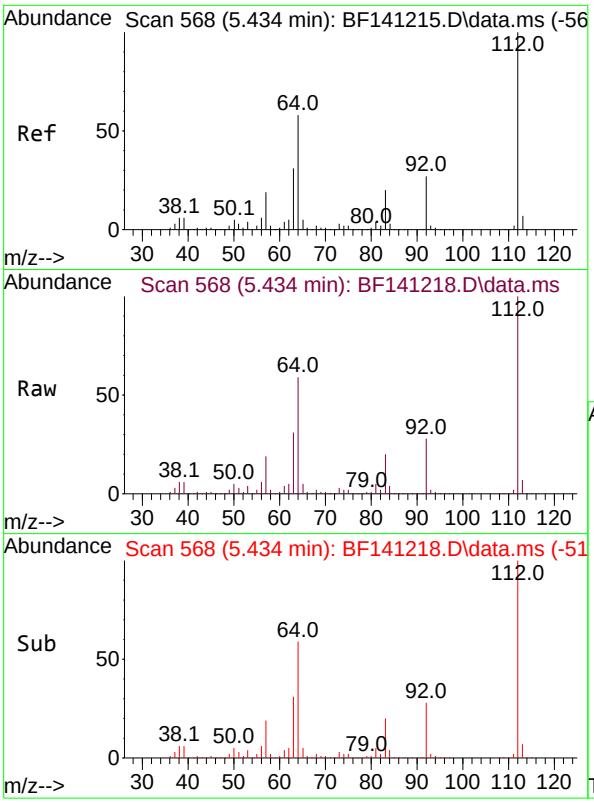


#4
n-Nitrosodimethylamine
Concen: 46.521 ng
RT: 3.316 min Scan# 208
Delta R.T. 0.088 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion: 42 Resp: 260142

Ion	Ratio	Lower	Upper
42	100		
74	132.4	103.8	155.6
44	6.9	5.3	7.9

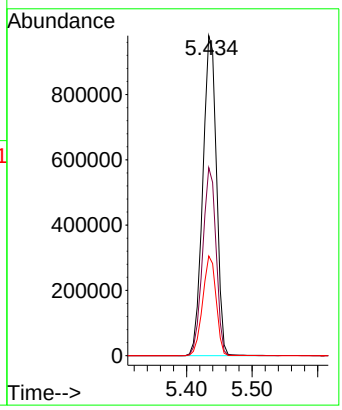




#5
2-Fluorophenol
Concen: 135.951 ng
RT: 5.434 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:112 Resp: 142376

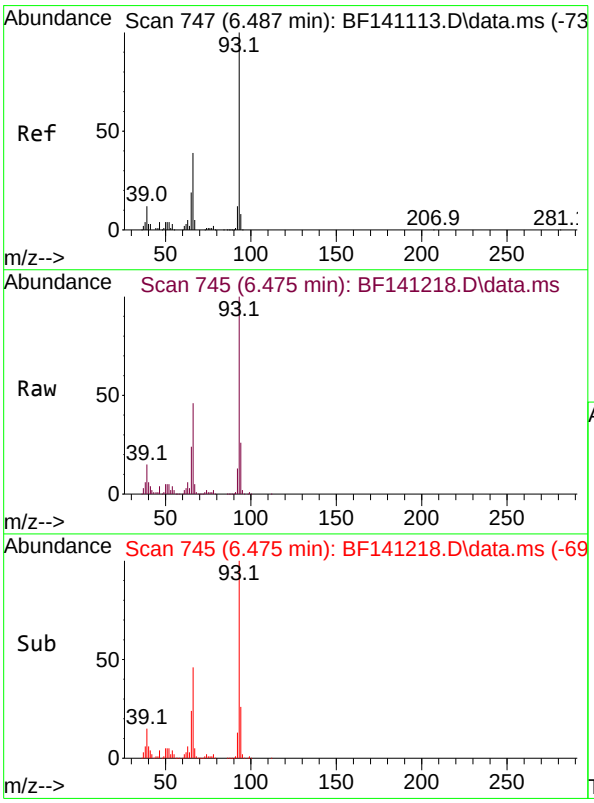
Ion	Ratio	Lower	Upper
112	100		
64	58.7	47.3	70.9
63	31.1	24.2	36.2



Instrument :
BNA_F
ClientSampleId :
PB166117BS

Manual Integrations
APPROVED

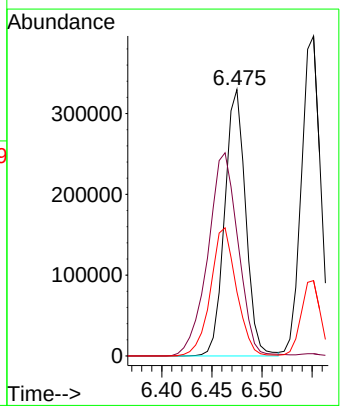
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

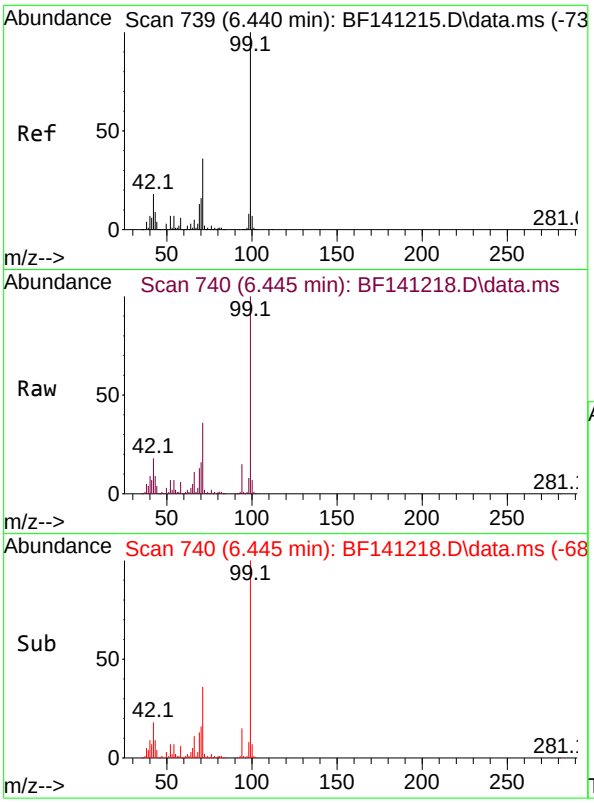


#6
Aniline
Concen: 40.670 ng
RT: 6.475 min Scan# 745
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion: 93 Resp: 479011

Ion	Ratio	Lower	Upper
93	100		
66	45.9	31.5	47.3
65	24.1	15.3	22.9#

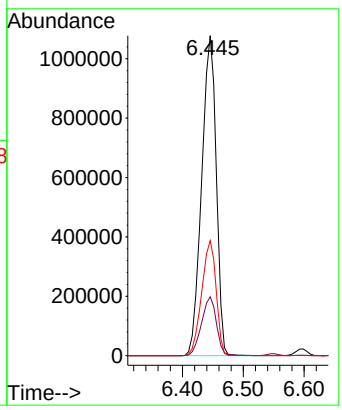




#7
Phenol-d6
Concen: 135.312 ng
RT: 6.445 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion: 99 Resp: 179503

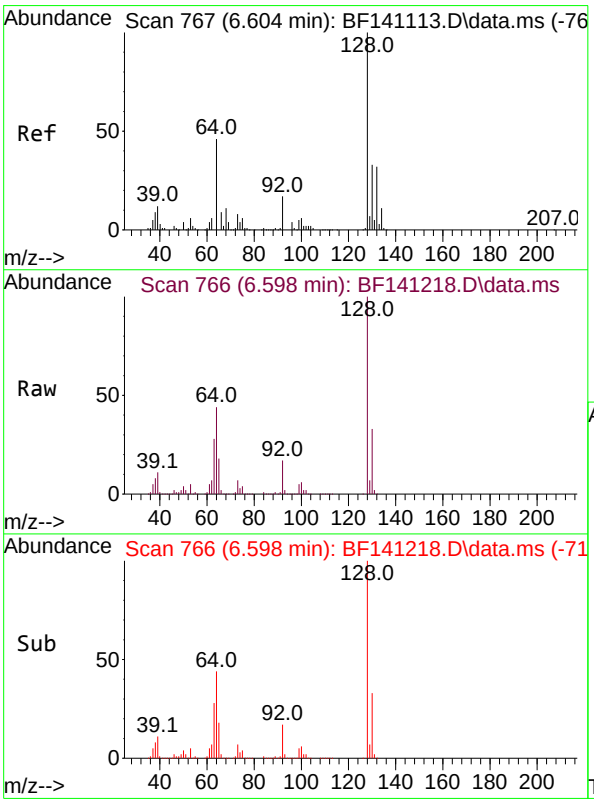
Ion	Ratio	Lower	Upper
99	100		
42	18.4	15.0	22.4
71	36.0	27.6	41.4



Instrument :
BNA_F
ClientSampleId :
PB166117BS

Manual Integrations
APPROVED

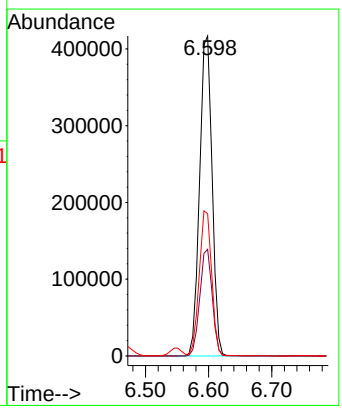
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

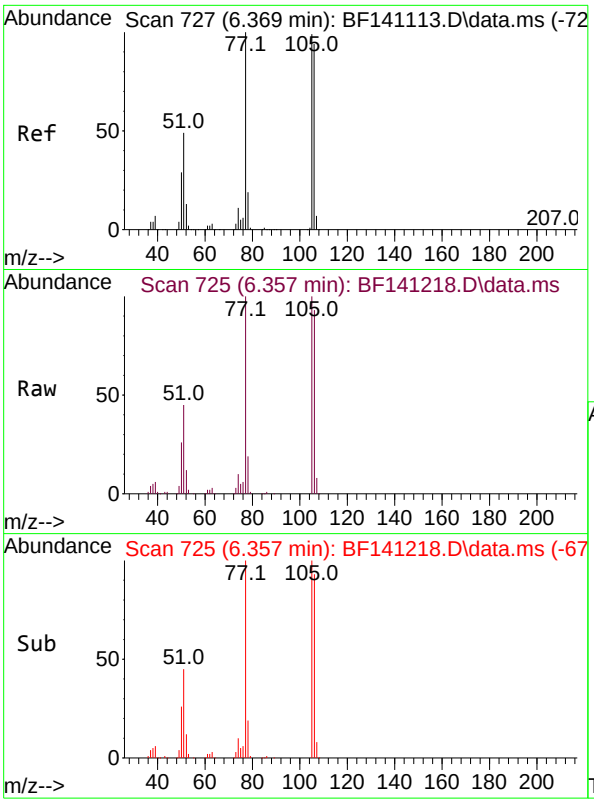


#8
2-Chlorophenol
Concen: 51.089 ng
RT: 6.598 min Scan# 766
Delta R.T. -0.006 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:128 Resp: 574035

Ion	Ratio	Lower	Upper
128	100		
130	33.4	12.5	52.5
64	44.4	28.3	68.3

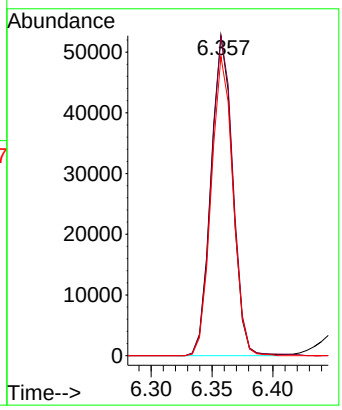




#9
Benzaldehyde
Concen: 8.309 ng
RT: 6.357 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion: 77 Resp: 6492

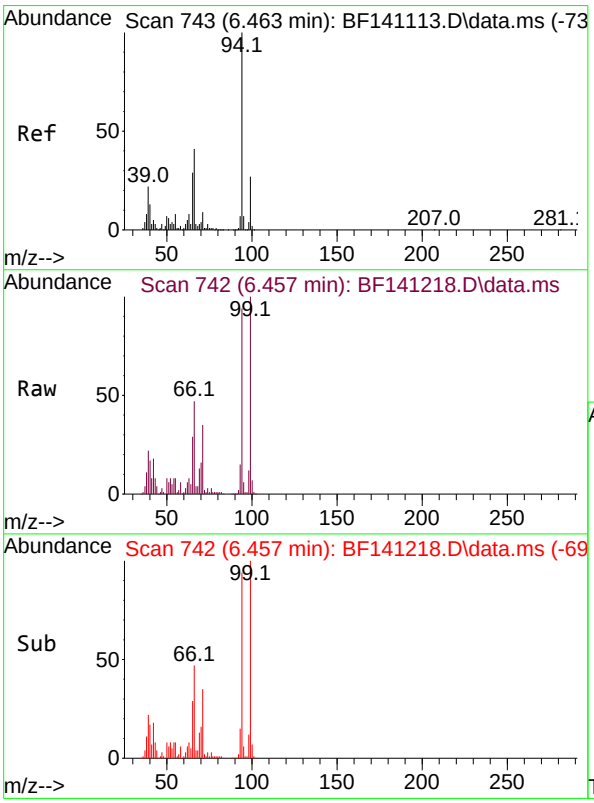
Ion	Ratio	Lower	Upper
77	100		
105	99.9	78.9	118.9
106	93.5	73.6	113.6



Instrument :
BNA_F
ClientSampleId :
PB166117BS

Manual Integrations
APPROVED

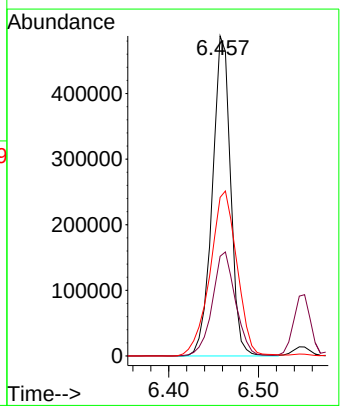
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

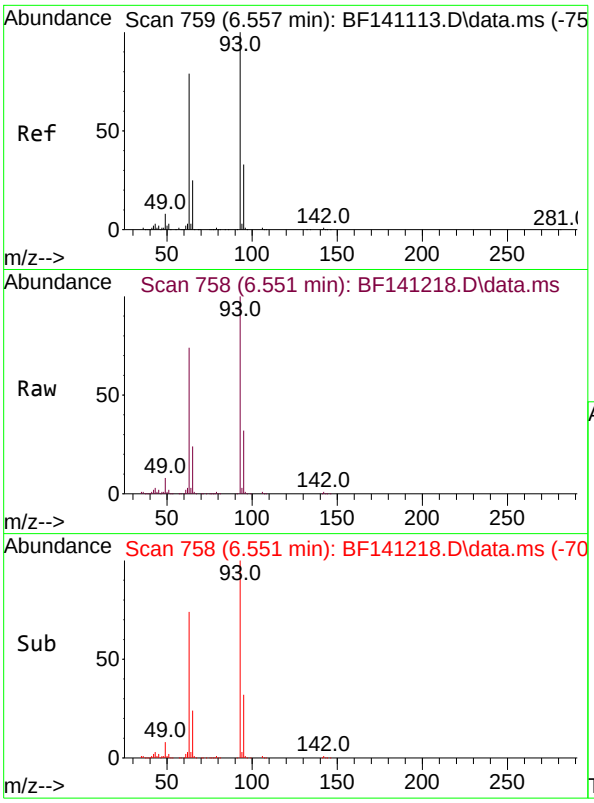


#10
Phenol
Concen: 48.527 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion: 94 Resp: 689111

Ion	Ratio	Lower	Upper
94	100		
65	31.2	8.9	48.9
66	49.6	21.2	61.2

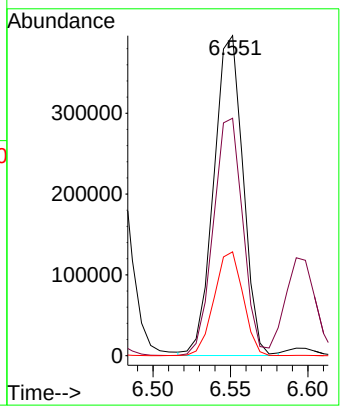




#11
bis(2-Chloroethyl)ether
Concen: 49.183 ng
RT: 6.551 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion: 93 Resp: 52050

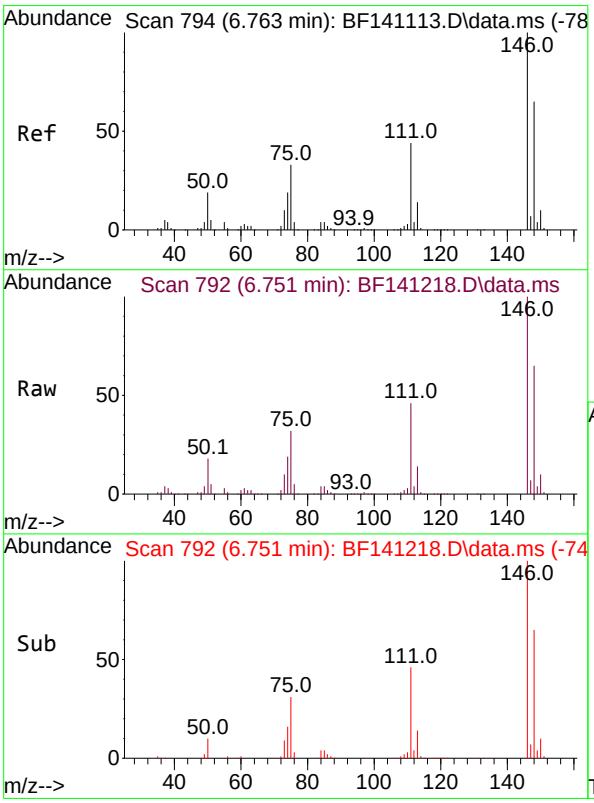
Ion	Ratio	Lower	Upper
93	100		
63	74.2	58.0	98.0
95	32.4	12.5	52.5



Instrument :
BNA_F
ClientSampleId :
PB166117BS

Manual Integrations
APPROVED

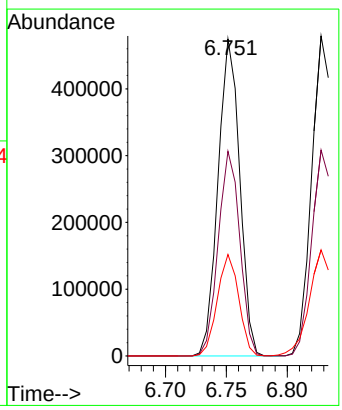
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

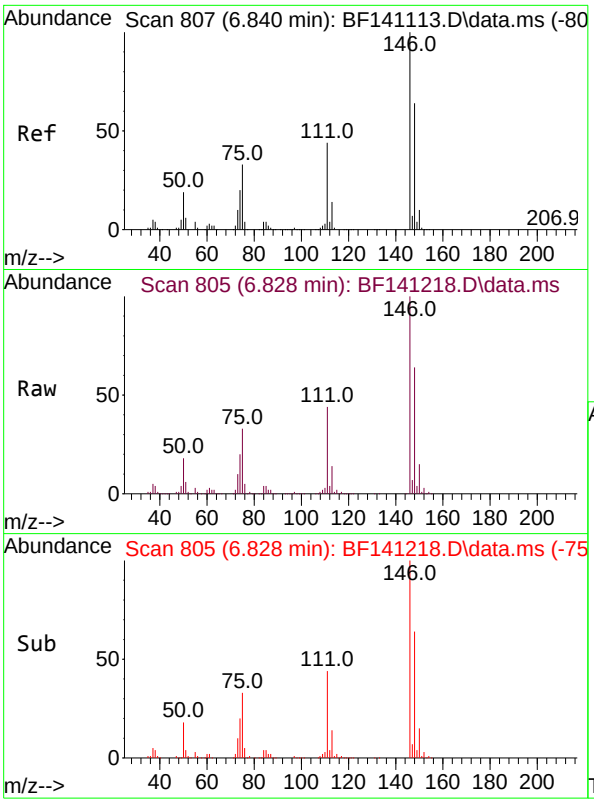


#12
1,3-Dichlorobenzene
Concen: 46.987 ng
RT: 6.751 min Scan# 792
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:146 Resp: 588814

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.6	77.4
75	32.0	26.2	39.2

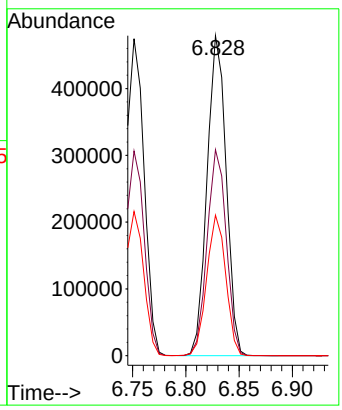




#13
1,4-Dichlorobenzene
Concen: 47.337 ng
RT: 6.828 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:146 Resp: 59777

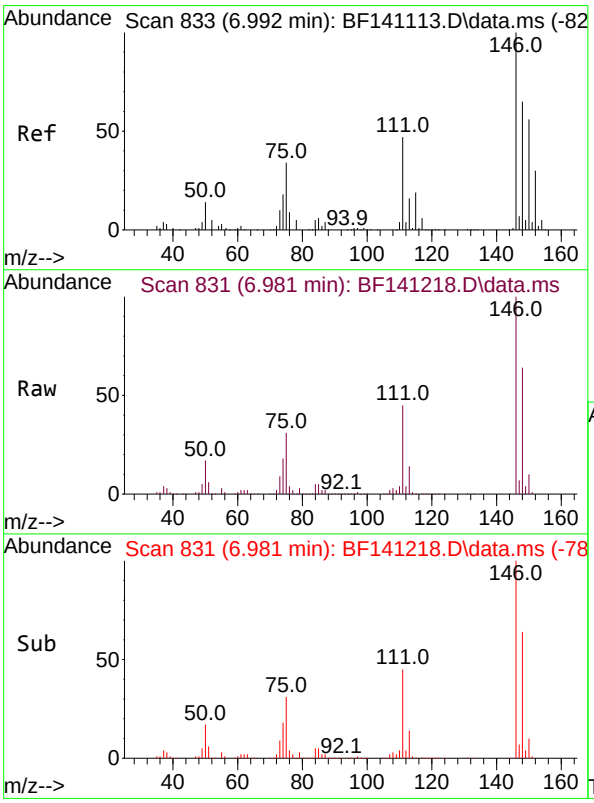
Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.0	76.6
111	43.9	34.9	52.3



Instrument :
BNA_F
ClientSampleId :
PB166117BS

Manual Integrations
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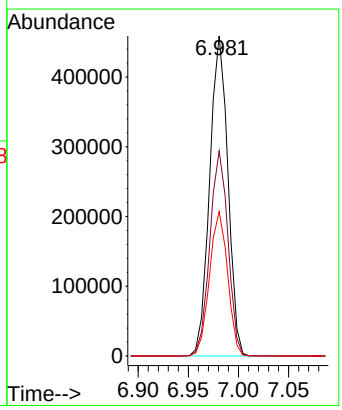
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

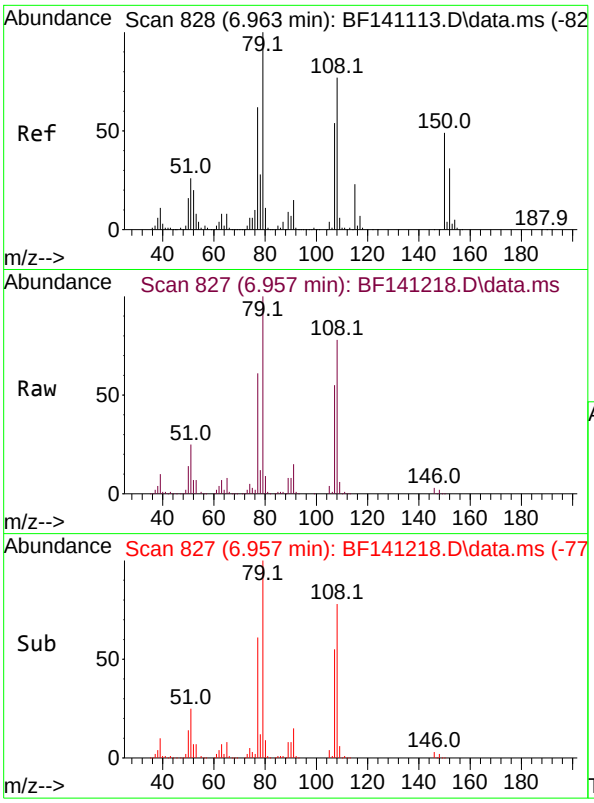


#14
1,2-Dichlorobenzene
Concen: 49.160 ng
RT: 6.981 min Scan# 831
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:146 Resp: 579077

Ion	Ratio	Lower	Upper
146	100		
148	64.0	52.2	78.4
111	45.1	37.5	56.3





#15
Benzyl Alcohol
Concen: 51.315 ng
RT: 6.957 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

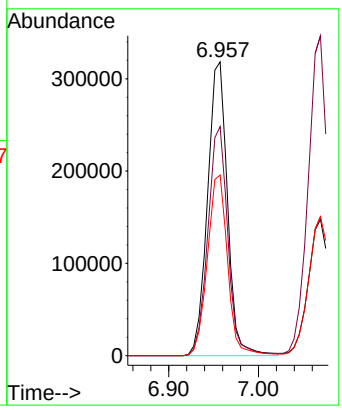
Tgt Ion: 79 Resp: 49161

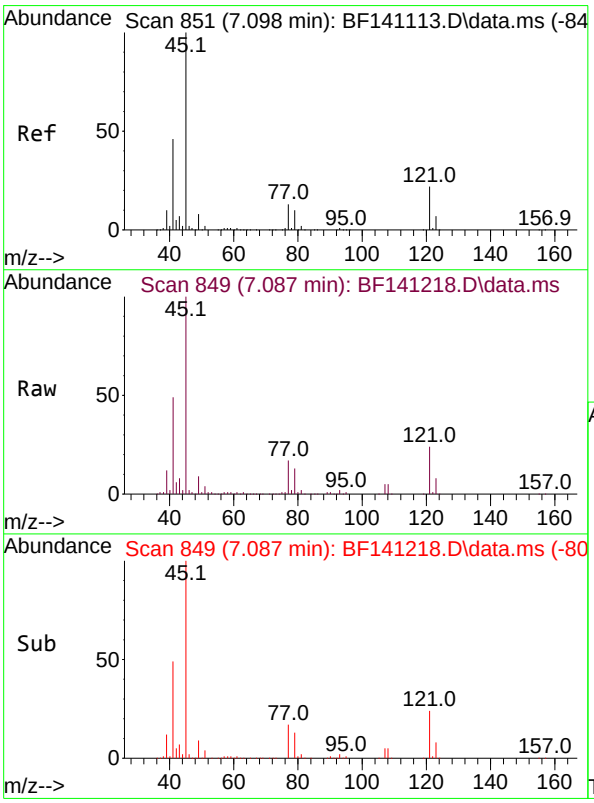
Ion	Ratio	Lower	Upper
79	100		
108	78.0	61.4	92.0
77	61.5	49.8	74.6

Instrument :
BNA_F
ClientSampleId :
PB166117BS

Manual Integrations
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Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

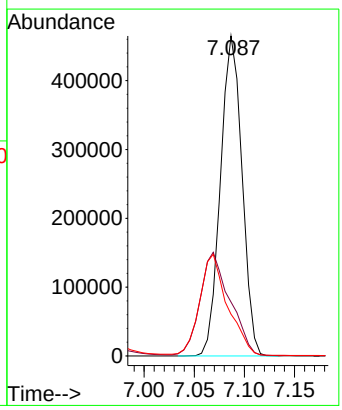


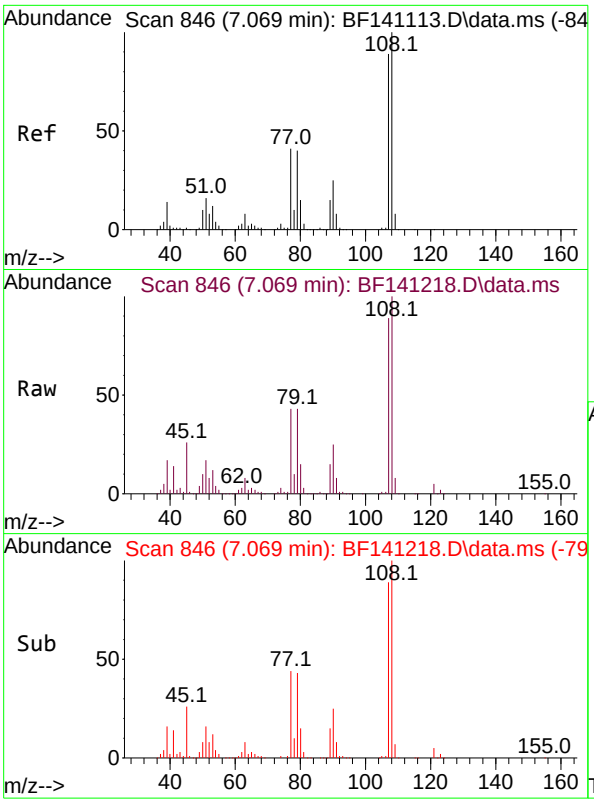


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.138 ng
RT: 7.087 min Scan# 849
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion: 45 Resp: 696139

Ion	Ratio	Lower	Upper
45	100		
77	16.9	0.0	34.1
79	13.1	0.0	31.0

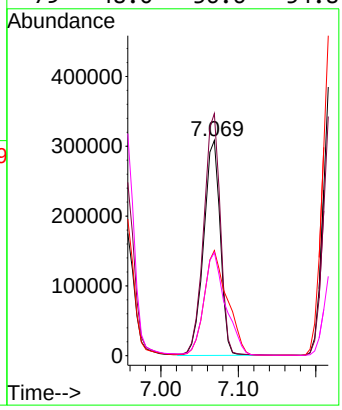




#17
2-Methylphenol
Concen: 50.715 ng
RT: 7.069 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:107 Resp: 46004

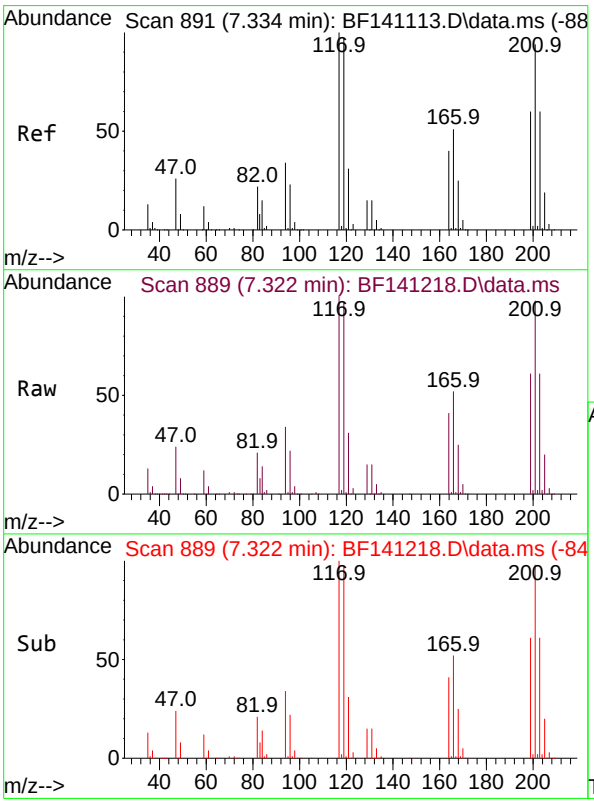
Ion	Ratio	Lower	Upper
107	100		
108	112.5	90.1	135.1
77	48.9	36.6	55.0
79	48.0	36.6	54.8



Instrument :
BNA_F
ClientSampleId :
PB166117BS

Manual Integrations
APPROVED

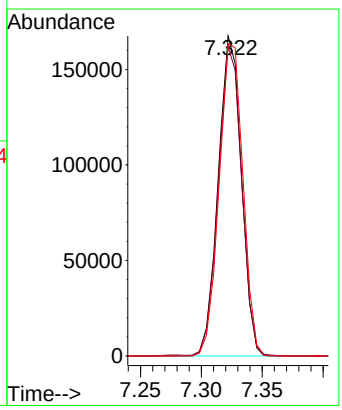
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

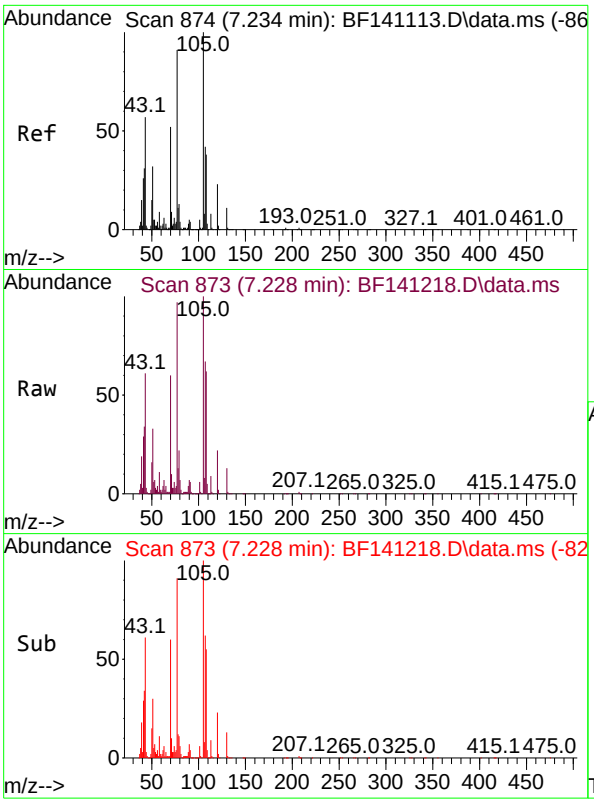


#18
Hexachloroethane
Concen: 48.471 ng
RT: 7.322 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:117 Resp: 221353

Ion	Ratio	Lower	Upper
117	100		
119	96.8	77.6	116.4
201	97.6	75.1	112.7

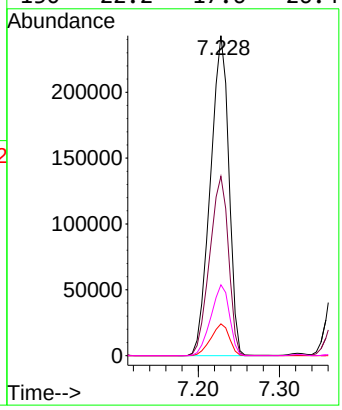




#19
n-Nitroso-di-n-propylamine
Concen: 49.163 ng
RT: 7.228 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion: 70 Resp: 38418

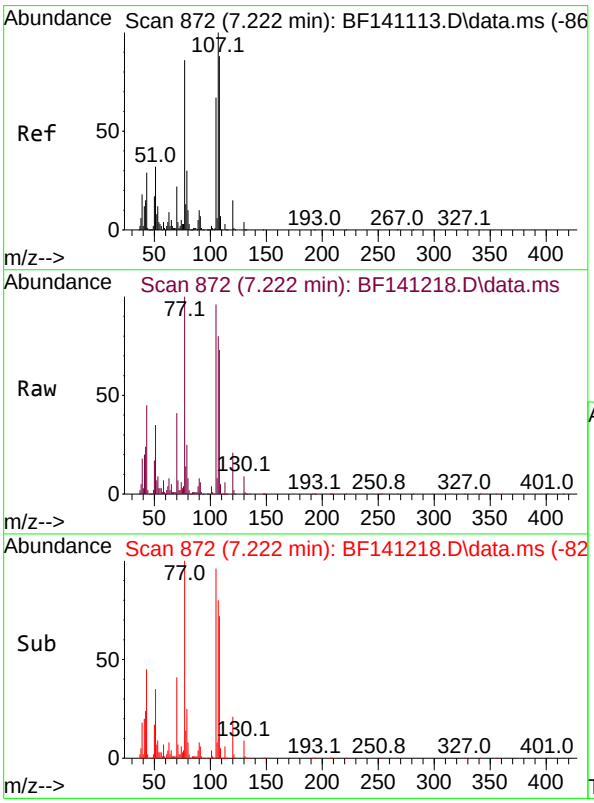
Ion	Ratio	Lower	Upper
70	100		
42	56.1	47.8	71.6
101	9.9	7.9	11.9
130	22.2	17.6	26.4



Instrument :
BNA_F
ClientSampleId :
PB166117BS

Manual Integrations
APPROVED

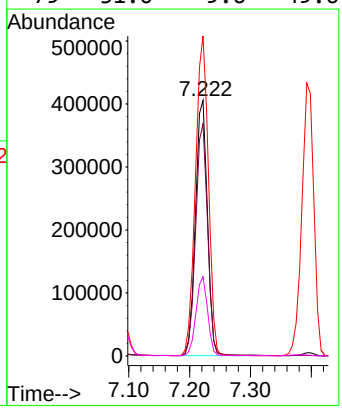
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

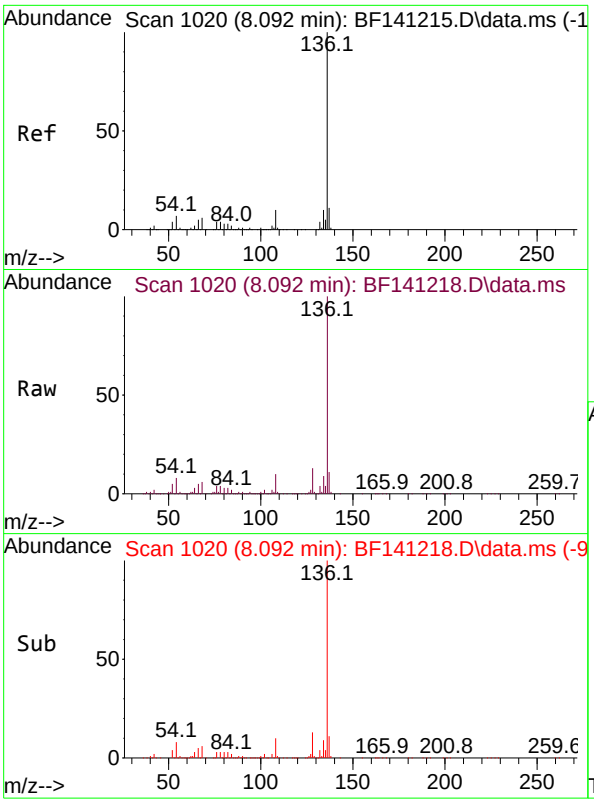


#20
3+4-Methylphenols
Concen: 48.372 ng
RT: 7.222 min Scan# 872
Delta R.T. 0.000 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:107 Resp: 553582

Ion	Ratio	Lower	Upper
107	100		
108	90.8	68.3	108.3
77	125.2	66.4	106.4#
79	31.0	9.6	49.6

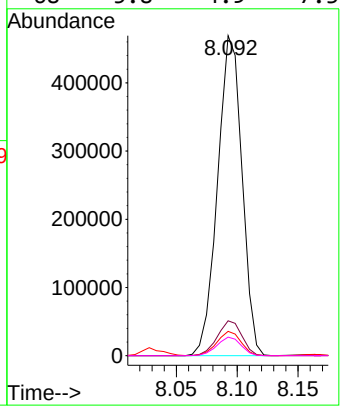




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:136 Resp: 65590

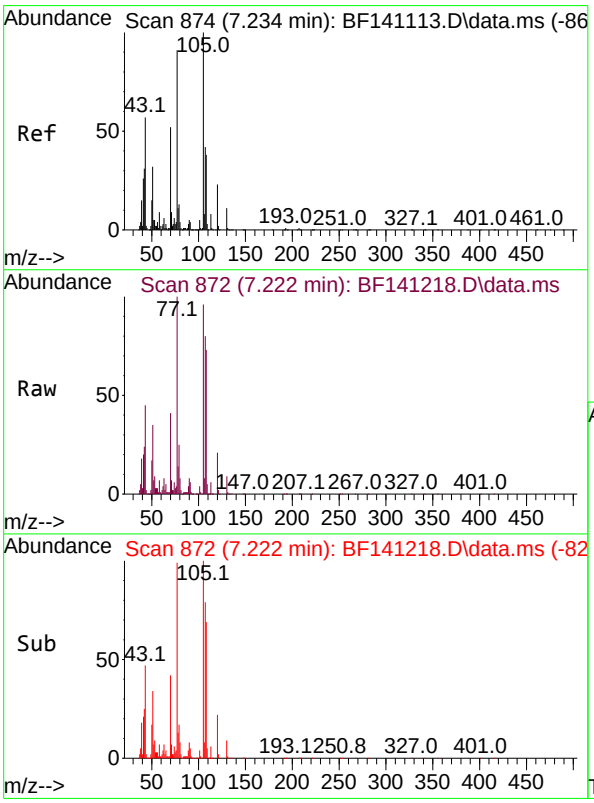
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	7.6	6.3	9.5
68	5.8	4.9	7.3



Instrument :
BNA_F
ClientSampleId :
PB166117BS

Manual Integrations
APPROVED

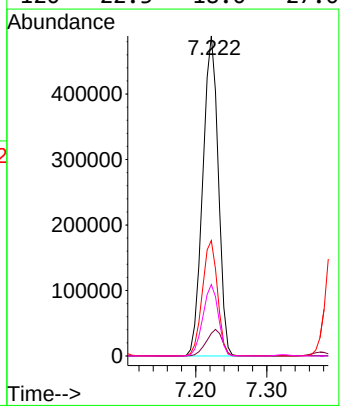
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

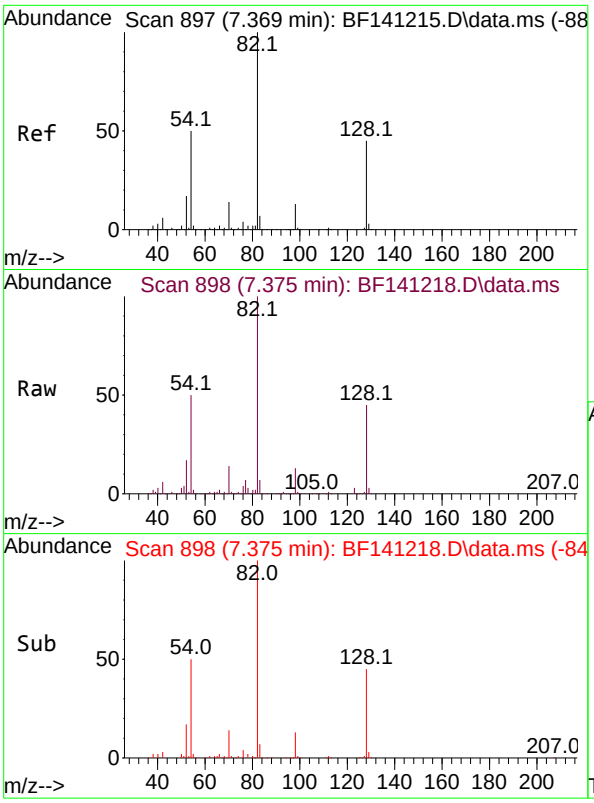


#22
Acetophenone
Concen: 47.760 ng
RT: 7.222 min Scan# 872
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:105 Resp: 744694

Ion	Ratio	Lower	Upper
105	100		
71	7.0	7.1	10.7#
51	36.1	25.4	38.2
120	22.3	18.0	27.0

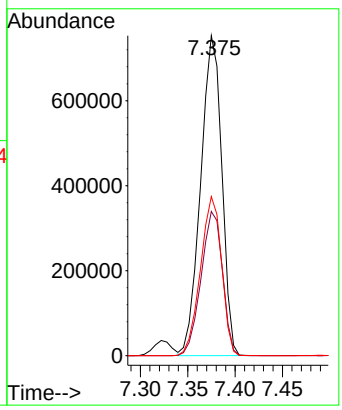




#23
Nitrobenzene-d5
Concen: 94.673 ng
RT: 7.375 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion: 82 Resp: 117143

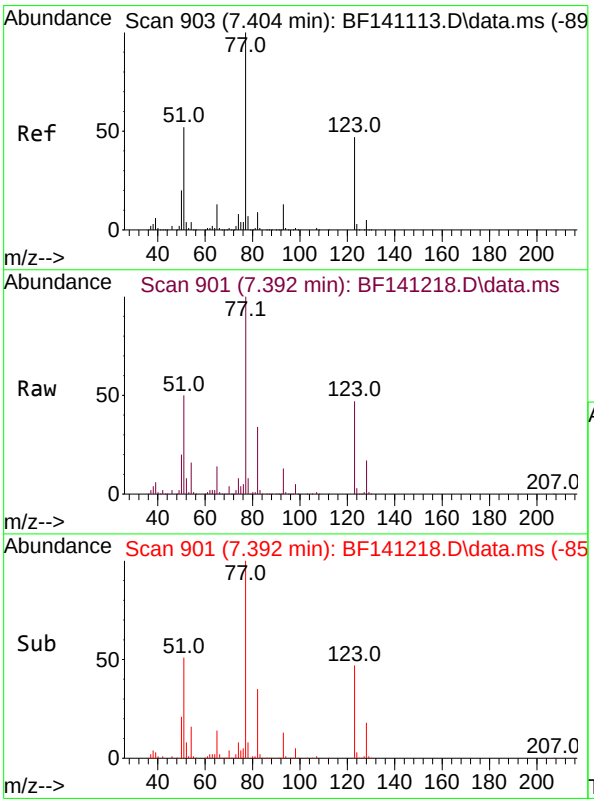
Ion	Ratio	Lower	Upper
82	100		
128	45.1	36.1	54.1
54	49.7	41.0	61.4



Instrument :
BNA_F
ClientSampleId :
PB166117BS

Manual Integrations
APPROVED

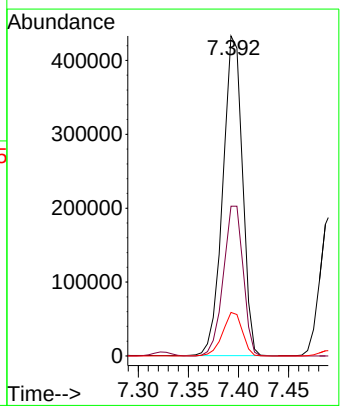
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

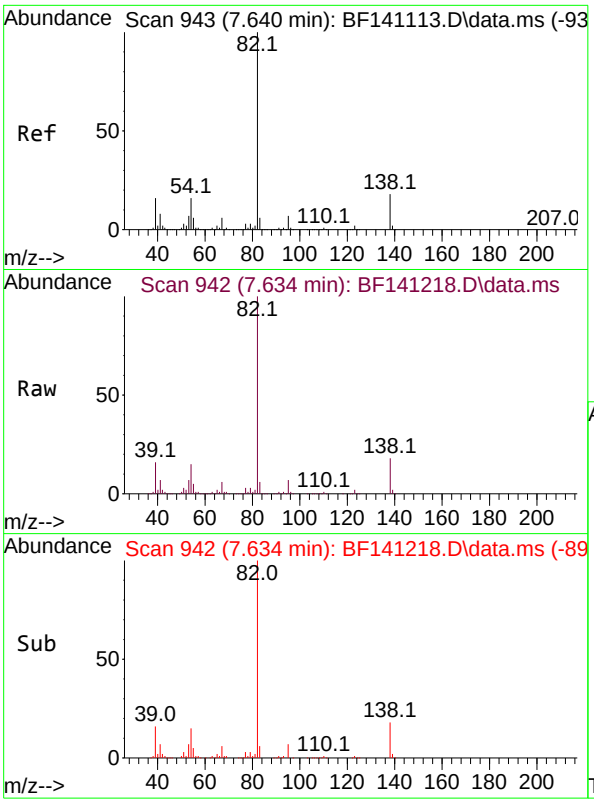


#24
Nitrobenzene
Concen: 45.745 ng
RT: 7.392 min Scan# 901
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion: 77 Resp: 589914

Ion	Ratio	Lower	Upper
77	100		
123	46.8	37.7	56.5
65	13.6	10.6	16.0

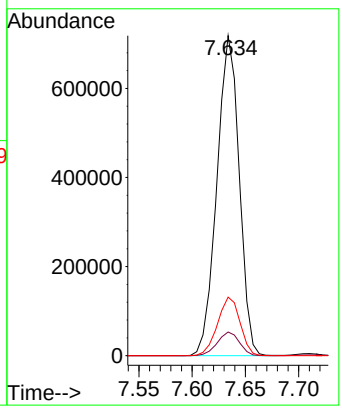




#25
Isophorone
Concen: 49.430 ng
RT: 7.634 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion: 82 Resp: 104523

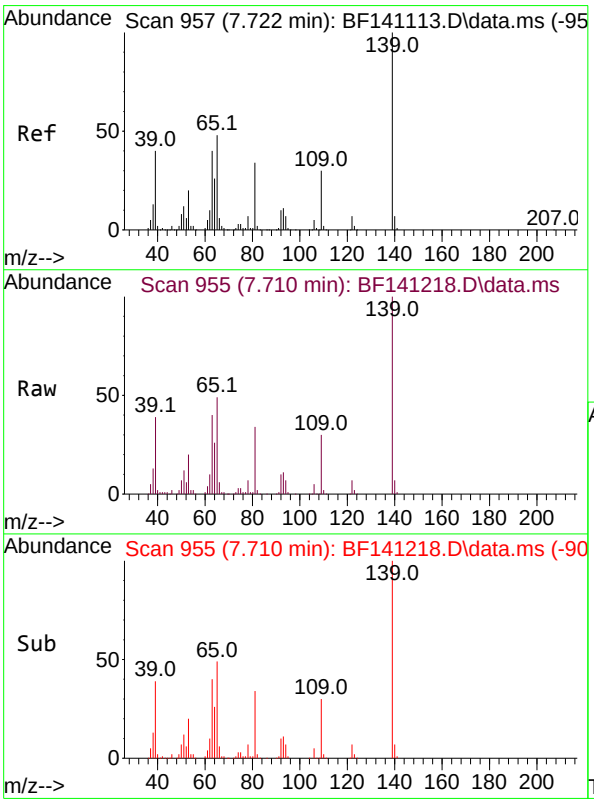
Ion	Ratio	Lower	Upper
82	100		
95	7.4	5.9	8.9
138	18.3	14.2	21.2



Instrument :
BNA_F
ClientSampleId :
PB166117BS

Manual Integrations
APPROVED

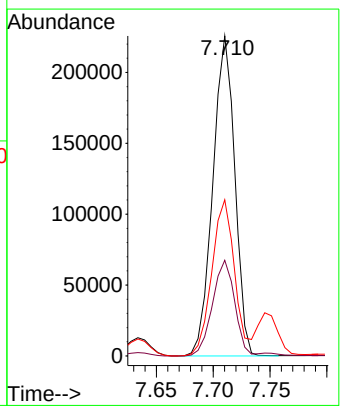
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

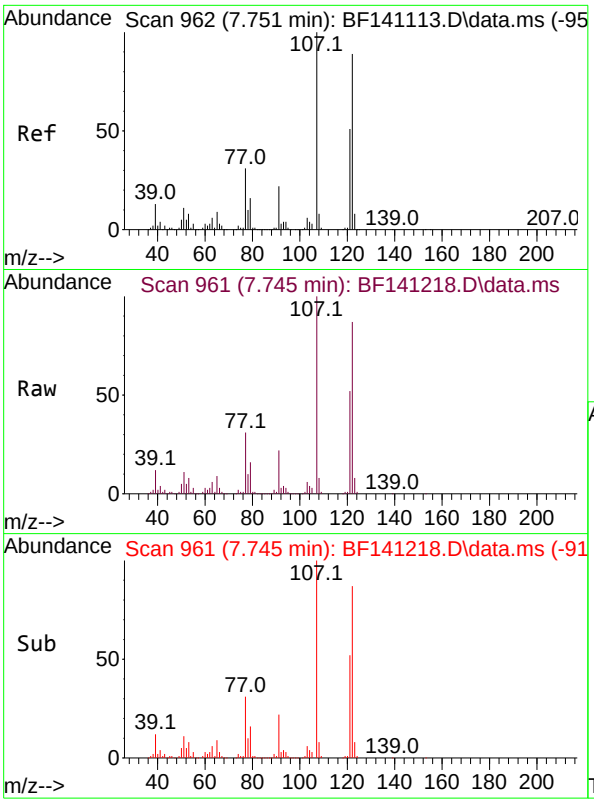


#26
2-Nitrophenol
Concen: 51.845 ng
RT: 7.710 min Scan# 955
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:139 Resp: 304130

Ion	Ratio	Lower	Upper
139	100		
109	29.9	23.8	35.6
65	48.8	38.5	57.7

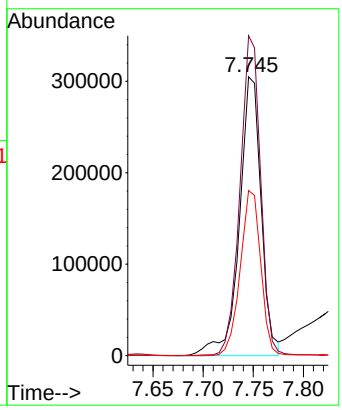




#27
2,4-Dimethylphenol
Concen: 58.330 ng
RT: 7.745 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:122 Resp: 46153

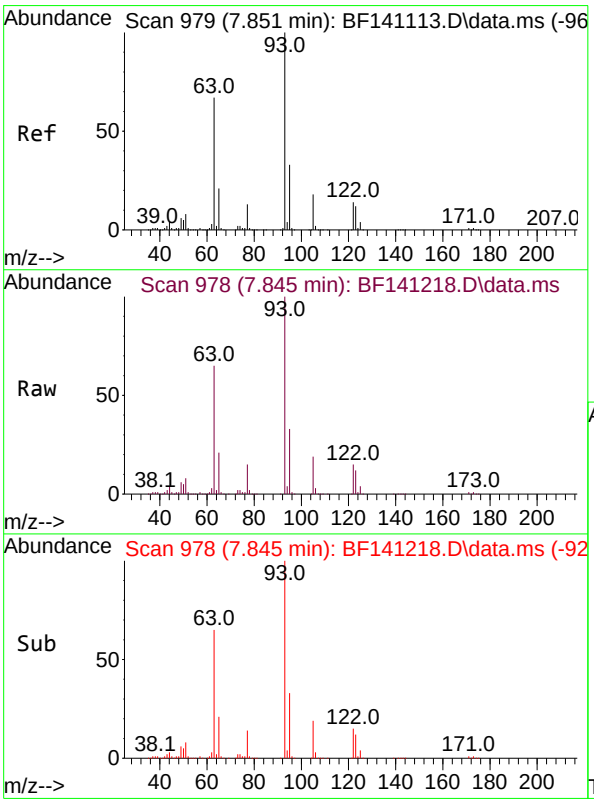
Ion	Ratio	Lower	Upper
122	100		
107	114.7	90.3	135.5
121	59.2	46.5	69.7



Instrument :
BNA_F
ClientSampleId :
PB166117BS

Manual Integrations
APPROVED

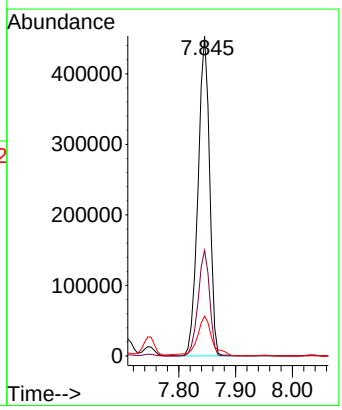
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

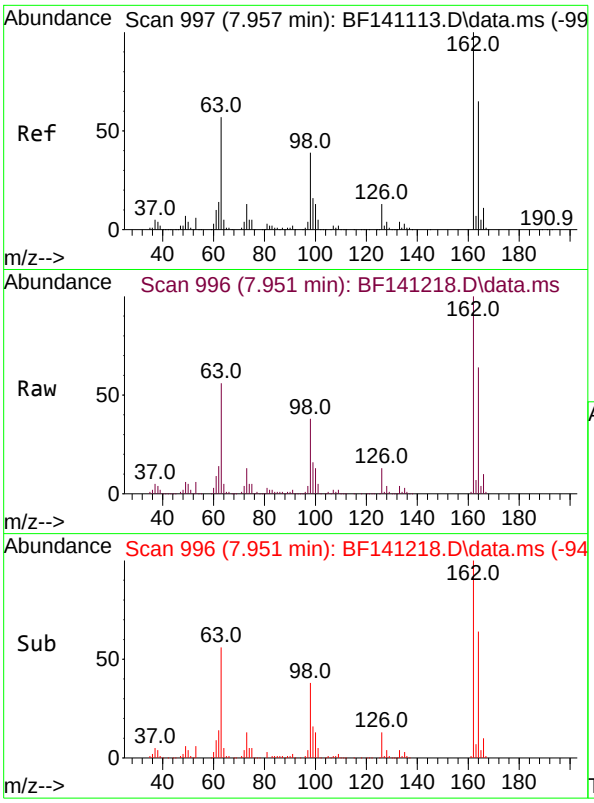


#28
bis(2-Chloroethoxy)methane
Concen: 48.332 ng
RT: 7.845 min Scan# 978
Delta R.T. -0.006 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion: 93 Resp: 641396

Ion	Ratio	Lower	Upper
93	100		
95	33.1	26.2	39.4
123	12.5	10.1	15.1

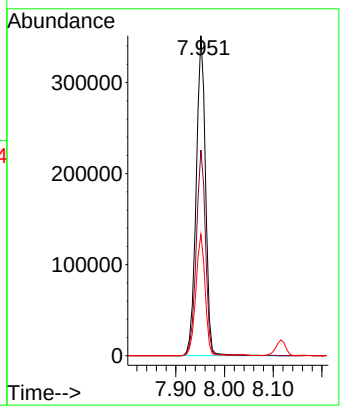




#29
2,4-Dichlorophenol
Concen: 50.287 ng
RT: 7.951 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:162 Resp: 47257

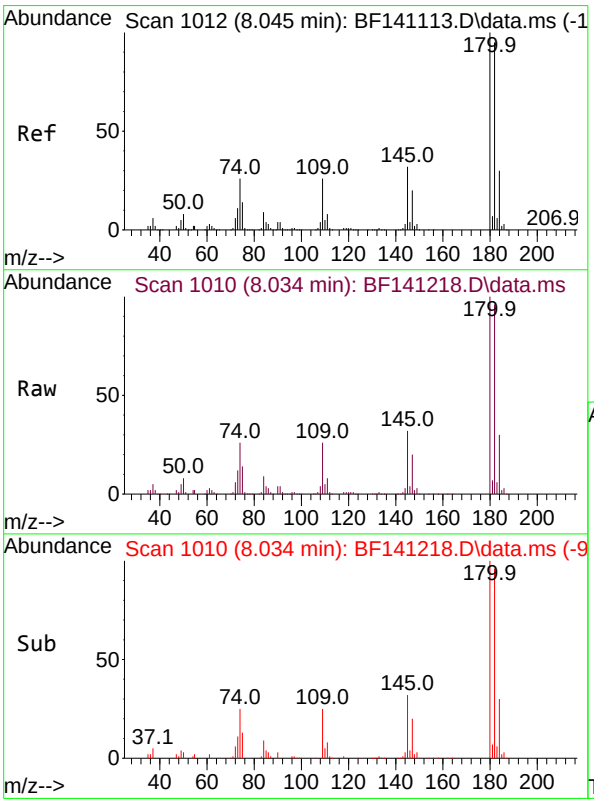
Ion	Ratio	Lower	Upper
162	100		
164	64.2	44.5	84.5
98	37.9	18.5	58.5



Instrument :
BNA_F
ClientSampleId :
PB166117BS

Manual Integrations
APPROVED

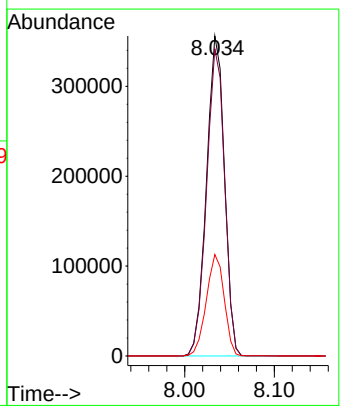
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

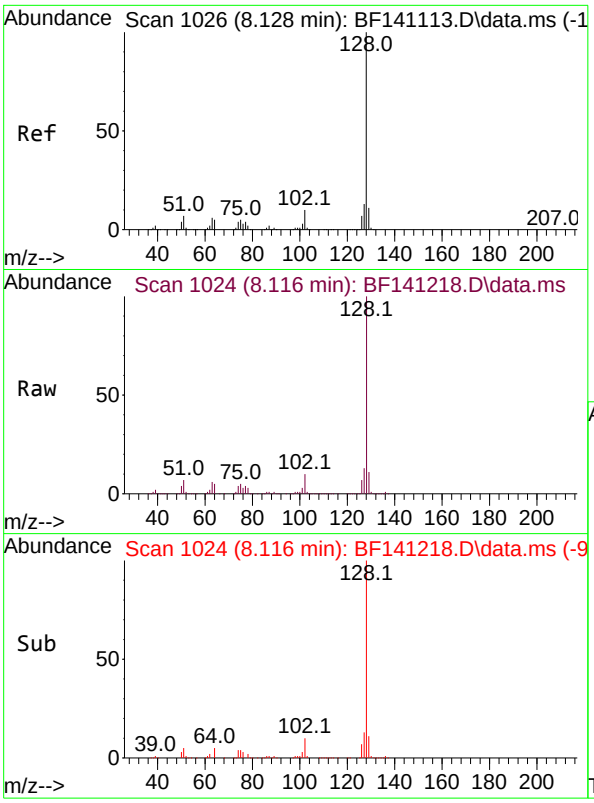


#30
1,2,4-Trichlorobenzene
Concen: 46.173 ng
RT: 8.034 min Scan# 1010
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:180 Resp: 495977

Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.2	114.2
145	31.7	25.3	37.9

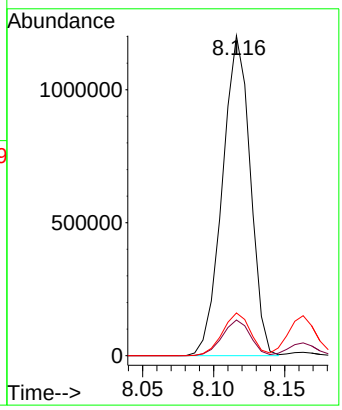




#31
Naphthalene
Concen: 47.446 ng
RT: 8.116 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:128 Resp: 164112

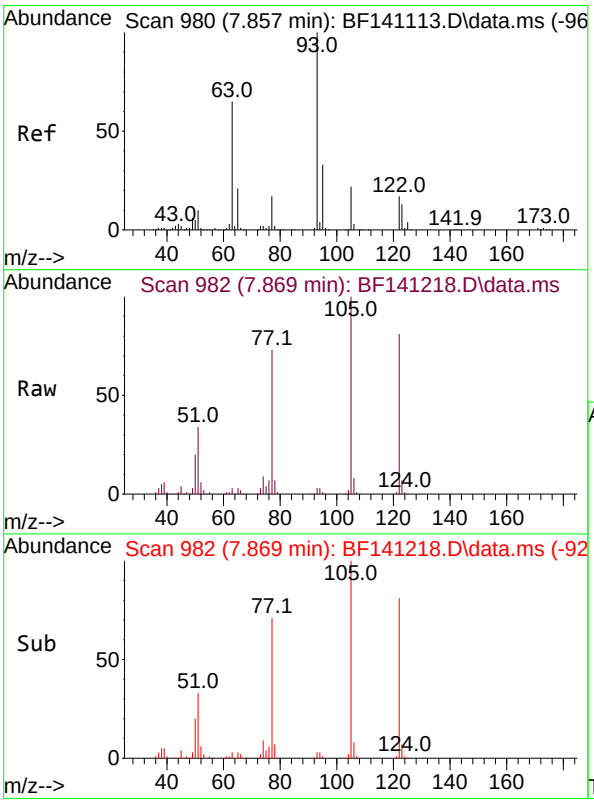
Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.6
127	13.4	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
PB166117BS

Manual Integrations
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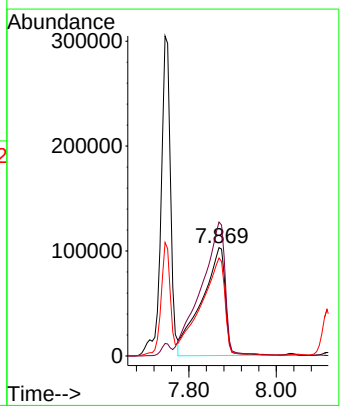
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

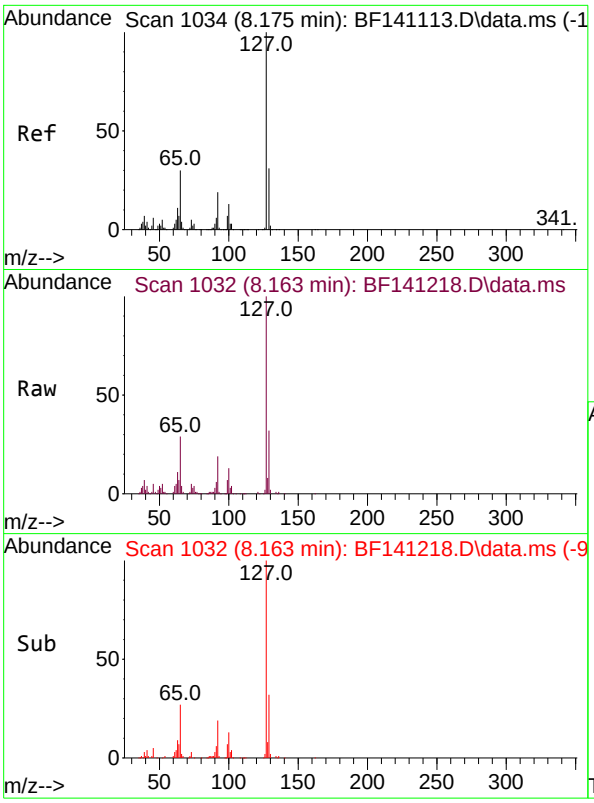


#32
Benzoic acid
Concen: 50.928 ng
RT: 7.869 min Scan# 982
Delta R.T. 0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:122 Resp: 386559

Ion	Ratio	Lower	Upper
122	100		
105	123.6	105.5	145.5
77	90.4	75.1	115.1

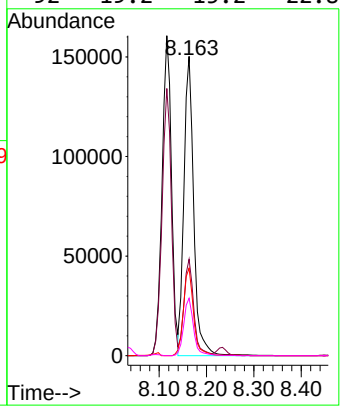




#33
4-Chloroaniline
Concen: 18.166 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:127 Resp: 21730

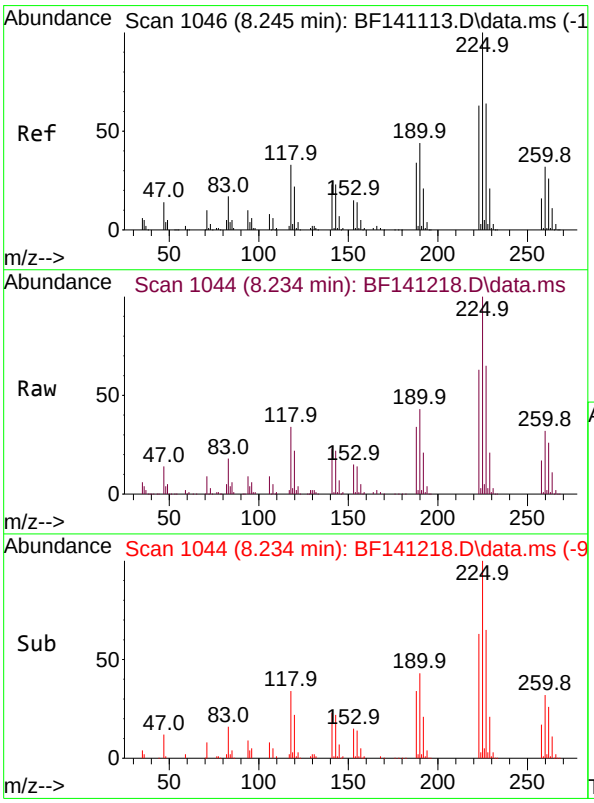
Ion	Ratio	Lower	Upper
127	100		
129	32.2	25.9	38.9
65	29.3	23.8	35.8
92	19.2	15.2	22.8



Instrument :
BNA_F
ClientSampleId :
PB166117BS

Manual Integrations
APPROVED

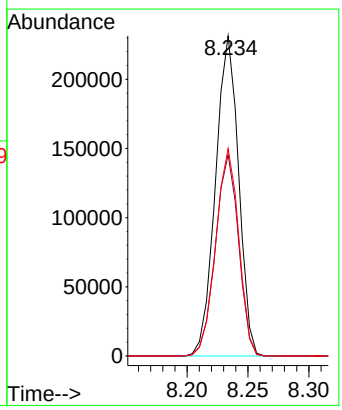
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

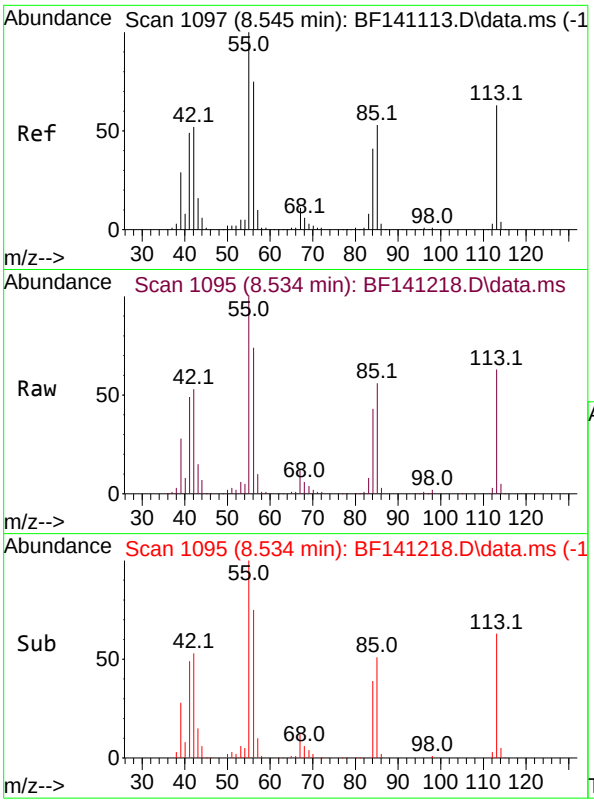


#34
Hexachlorobutadiene
Concen: 47.180 ng
RT: 8.234 min Scan# 1044
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:225 Resp: 305369

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.6	76.0
227	64.8	51.6	77.4

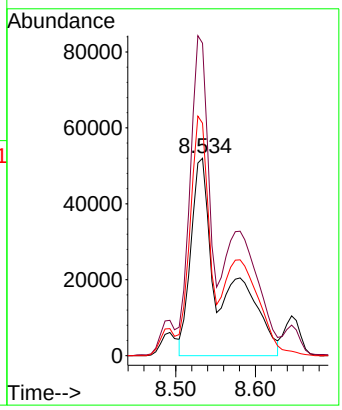




#35
Caprolactam
Concen: 47.534 ng m
RT: 8.534 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:113 Resp: 14624

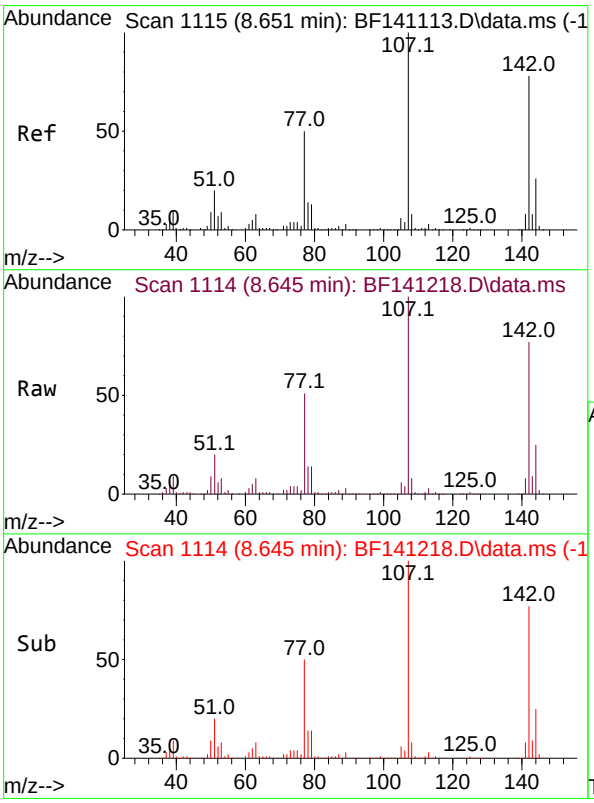
Ion	Ratio	Lower	Upper
113	100		
55	158.3	139.7	179.7
56	117.7	99.4	139.4



Instrument :
BNA_F
ClientSampleId :
PB166117BS

Manual Integrations
APPROVED

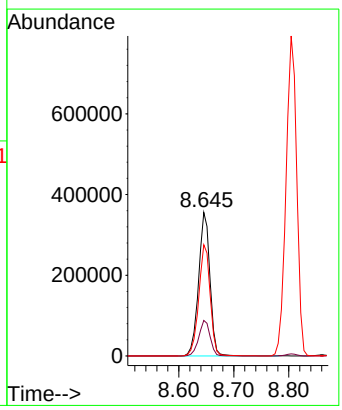
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

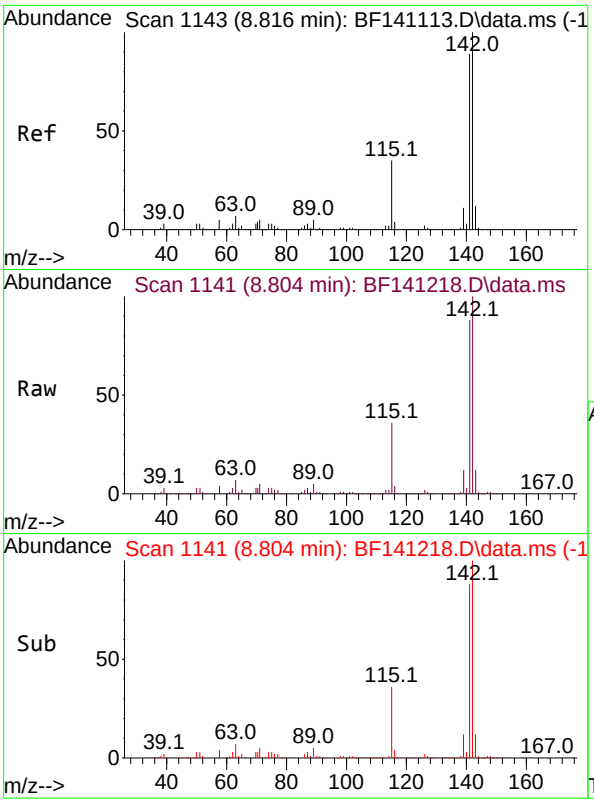


#36
4-Chloro-3-methylphenol
Concen: 49.770 ng
RT: 8.645 min Scan# 1114
Delta R.T. -0.006 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:107 Resp: 511507

Ion	Ratio	Lower	Upper
107	100		
144	24.7	20.4	30.6
142	77.5	62.2	93.2

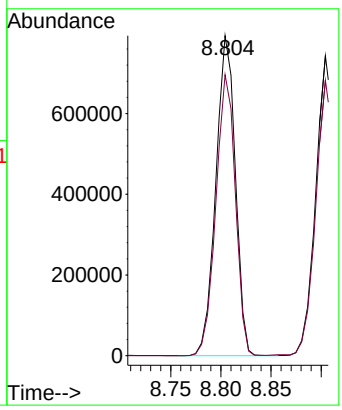




#37
2-Methylnaphthalene
Concen: 48.523 ng
RT: 8.804 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:142 Resp: 106951

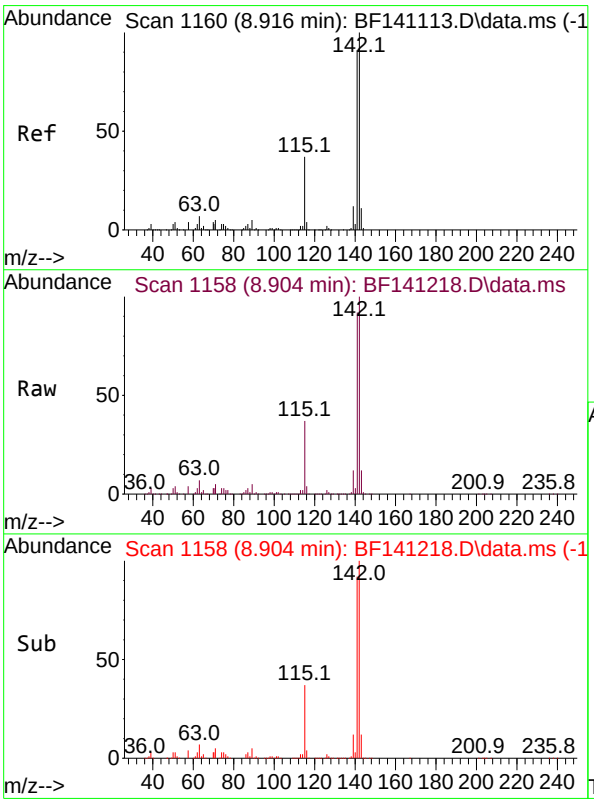
Ion	Ratio	Lower	Upper
142	100		
141	87.8	71.3	106.9



Instrument :
BNA_F
ClientSampleId :
PB166117BS

Manual Integrations
APPROVED

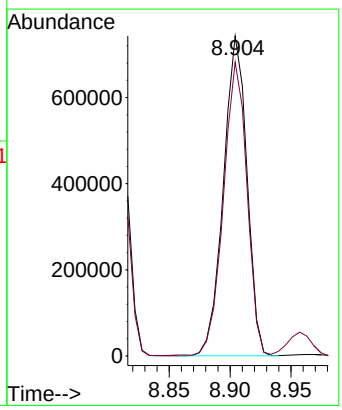
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

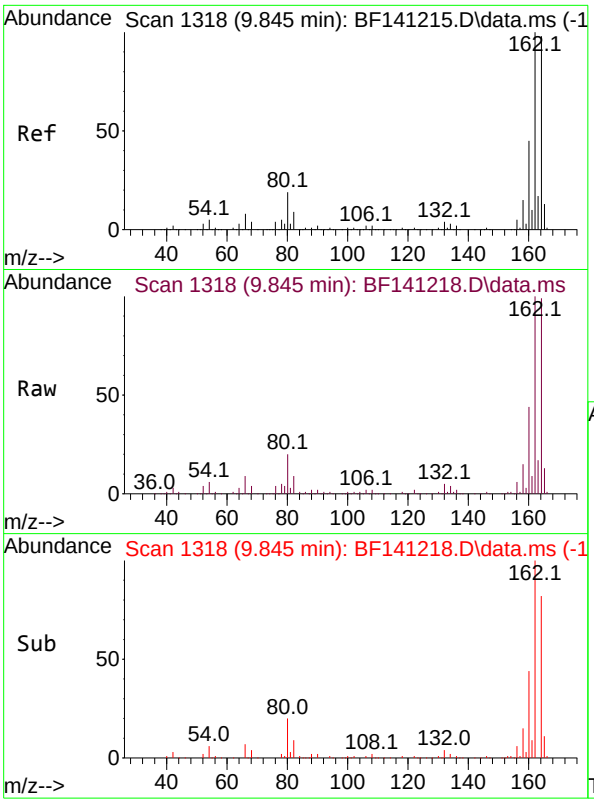


#38
1-Methylnaphthalene
Concen: 45.825 ng
RT: 8.904 min Scan# 1158
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:142 Resp: 995441

Ion	Ratio	Lower	Upper
142	100		
141	91.9	73.1	109.7

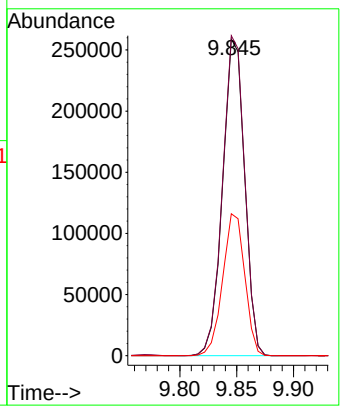




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.845 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:164 Resp: 34927

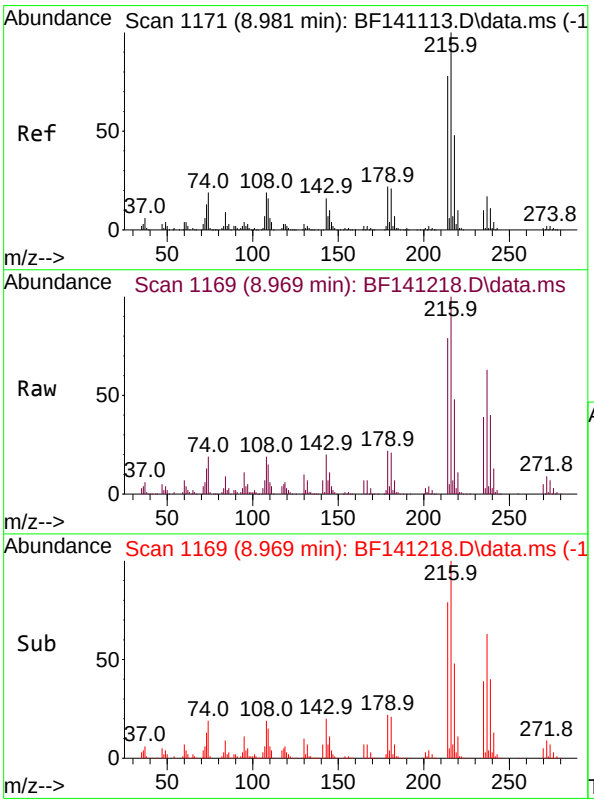
Ion	Ratio	Lower	Upper
164	100		
162	101.0	81.0	121.4
160	44.8	36.1	54.1



Instrument :
BNA_F
ClientSampleId :
PB166117BS

Manual Integrations
APPROVED

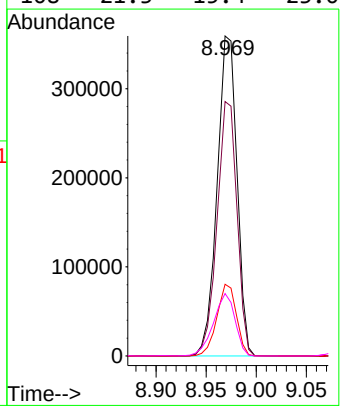
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

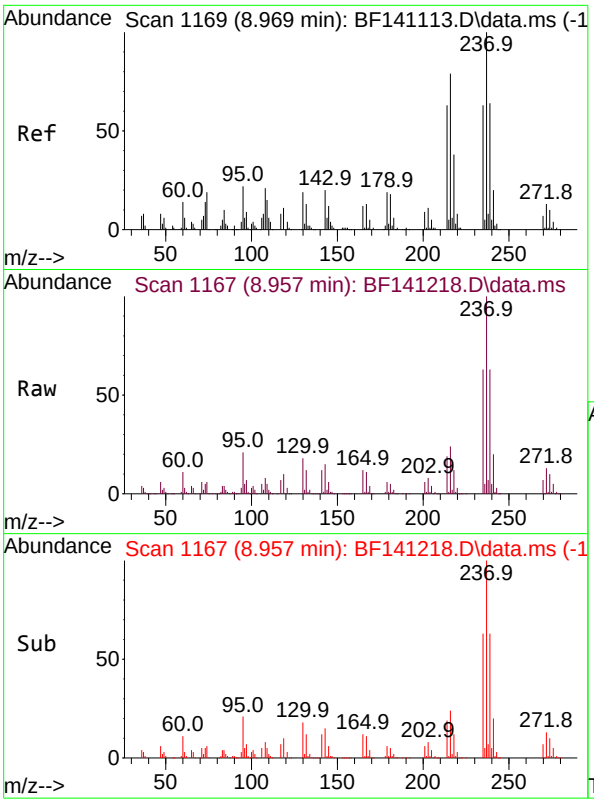


#40
1,2,4,5-Tetrachlorobenzene
Concen: 49.325 ng
RT: 8.969 min Scan# 1169
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:216 Resp: 494483

Ion	Ratio	Lower	Upper
216	100		
214	79.5	62.6	94.0
179	22.0	17.7	26.5
108	21.3	15.4	23.0

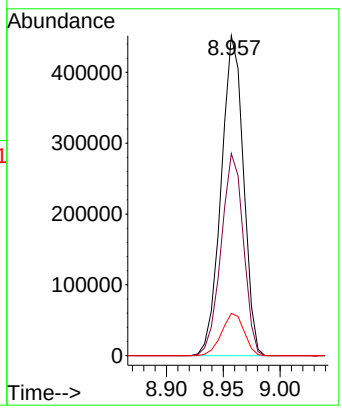




#41
Hexachlorocyclopentadiene
Concen: 187.813 ng
RT: 8.957 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:237 Resp: 61599

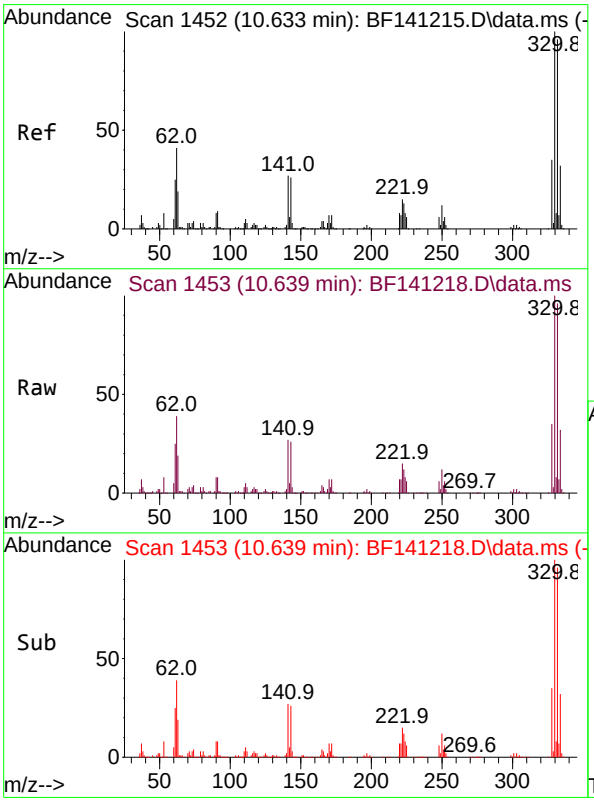
Ion	Ratio	Lower	Upper
237	100		
235	63.2	43.0	83.0
272	13.2	0.0	33.0



Instrument :
BNA_F
ClientSampleId :
PB166117BS

Manual Integrations
APPROVED

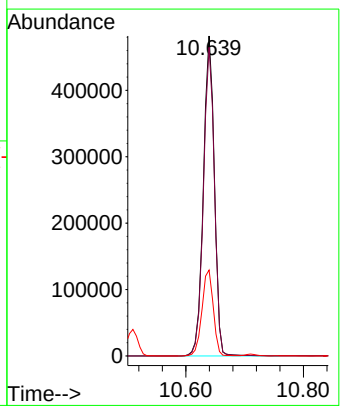
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

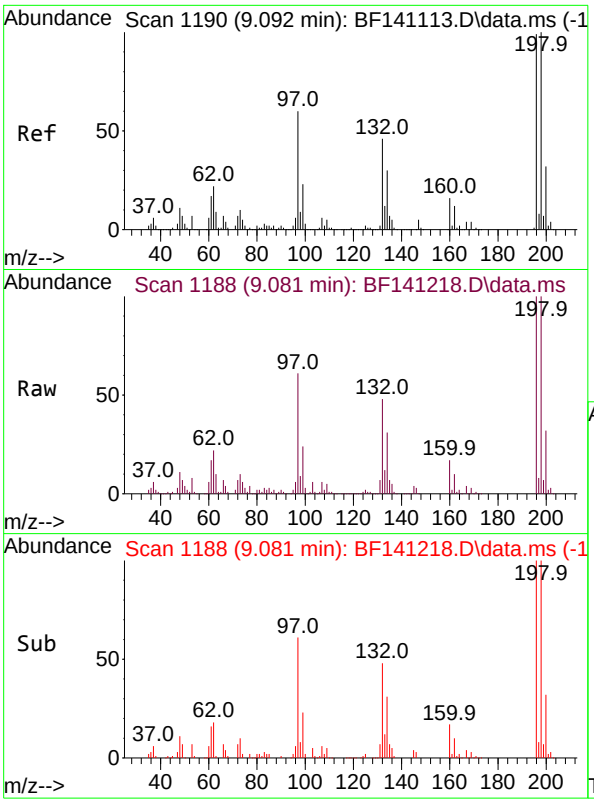


#42
2,4,6-Tribromophenol
Concen: 157.484 ng
RT: 10.639 min Scan# 1453
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:330 Resp: 626751

Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.9	115.3
141	27.8	25.2	37.8

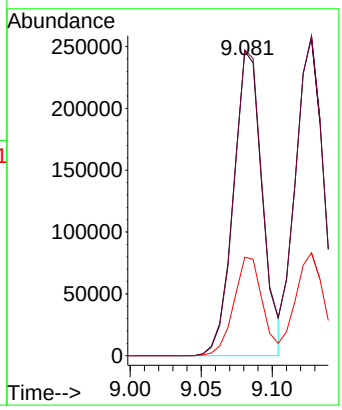




#43
2,4,6-Trichlorophenol
Concen: 51.332 ng
RT: 9.081 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:196 Resp: 34706

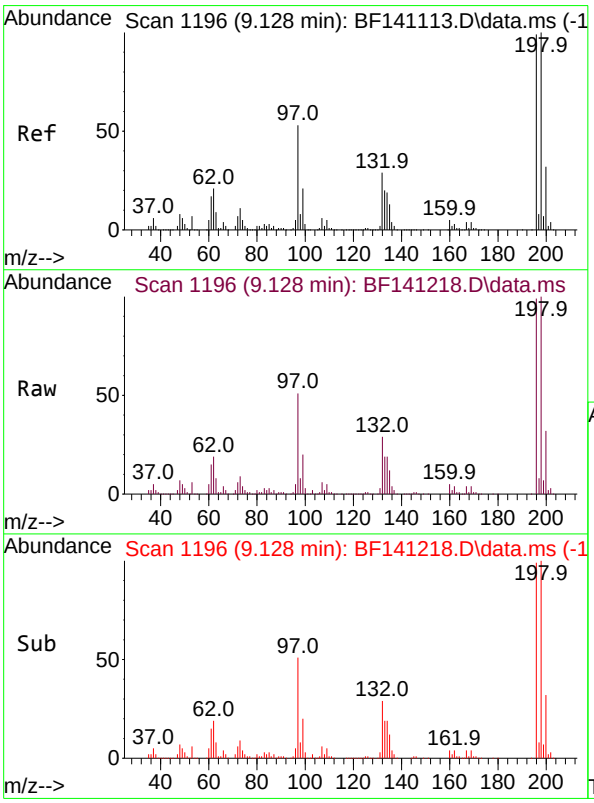
Ion	Ratio	Lower	Upper
196	100		
198	100.4	80.8	121.2
200	32.3	25.7	38.5



Instrument :
BNA_F
ClientSampleId :
PB166117BS

Manual Integrations
APPROVED

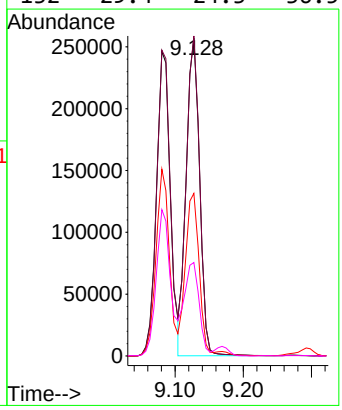
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

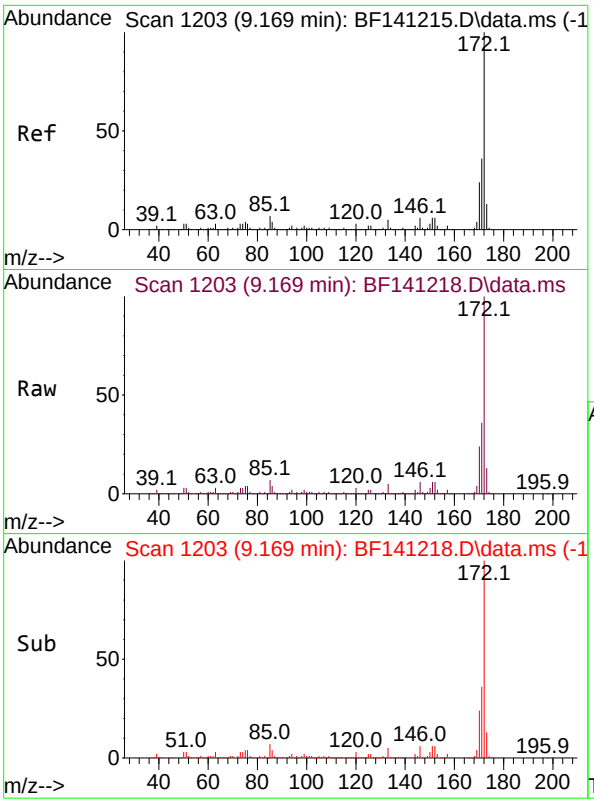


#44
2,4,5-Trichlorophenol
Concen: 49.232 ng
RT: 9.128 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:196 Resp: 351551

Ion	Ratio	Lower	Upper
196	100		
198	100.7	80.6	120.8
97	51.2	43.1	64.7
132	29.4	24.3	36.5

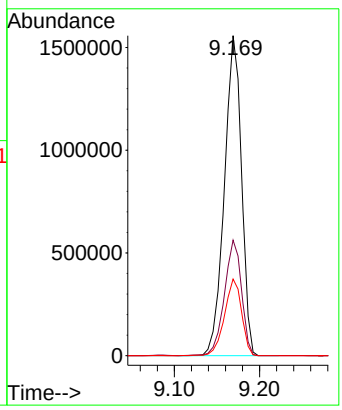




#45
2-Fluorobiphenyl
Concen: 95.361 ng
RT: 9.169 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:172 Resp: 218116

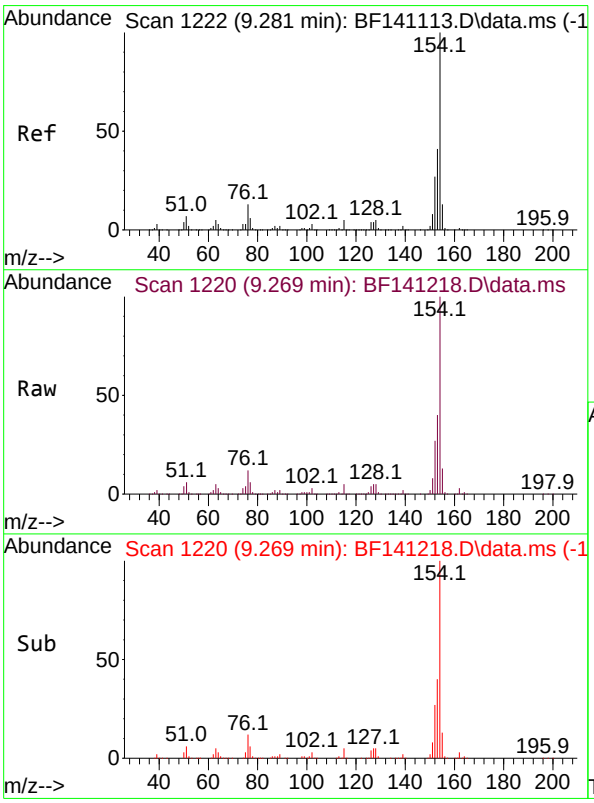
Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.7	43.1
170	24.0	19.0	28.6



Instrument :
BNA_F
ClientSampleId :
PB166117BS

Manual Integrations
APPROVED

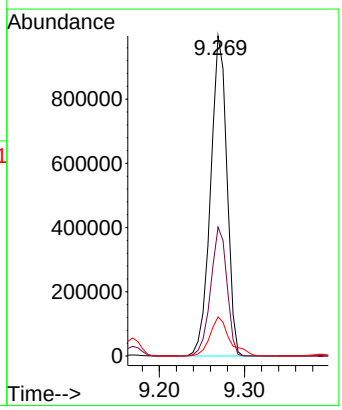
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

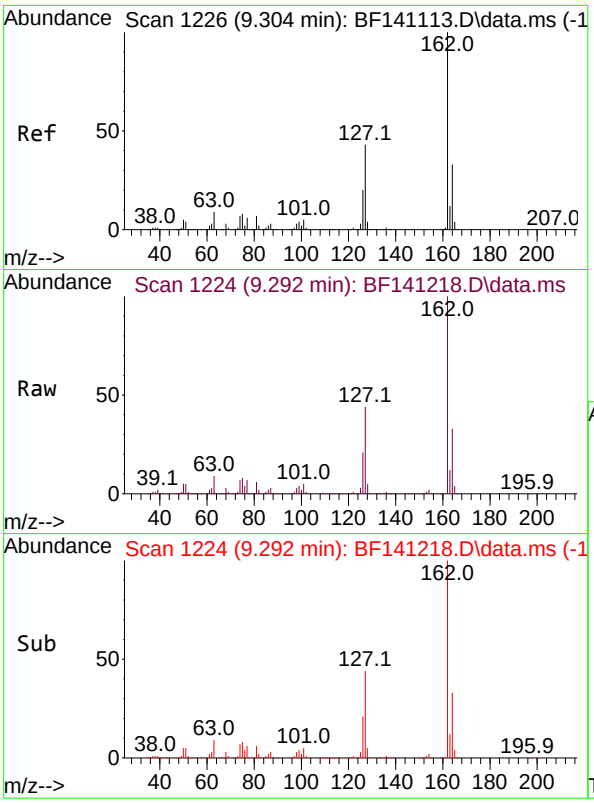


#46
1,1'-Biphenyl
Concen: 48.829 ng
RT: 9.269 min Scan# 1220
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:154 Resp: 1324467

Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.7	60.7
76	12.2	0.0	33.1

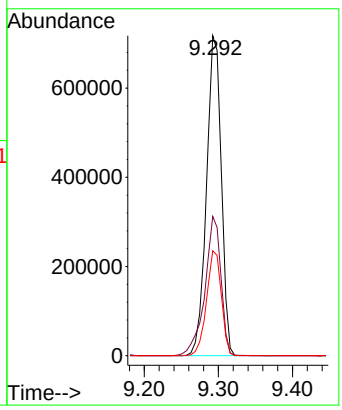




#47
2-Chloronaphthalene
Concen: 47.045 ng
RT: 9.292 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:162 Resp: 99392

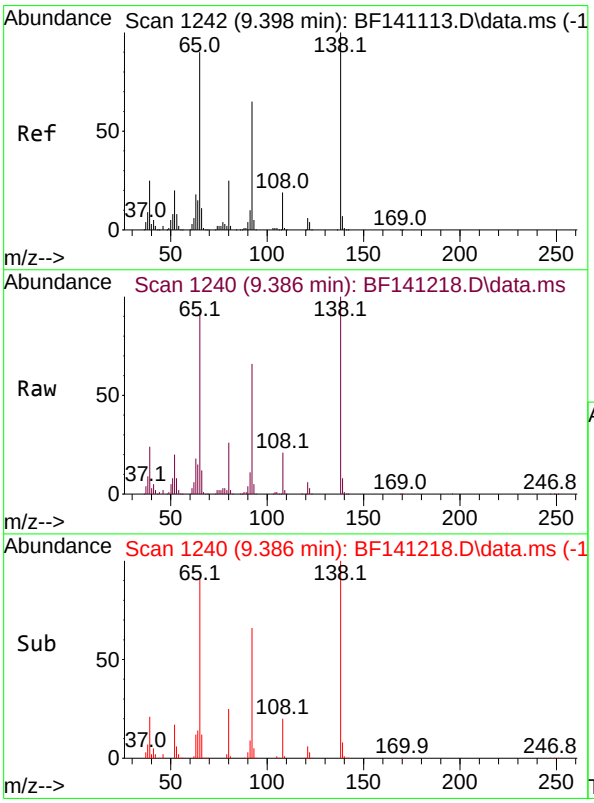
Ion	Ratio	Lower	Upper
162	100		
127	43.5	34.6	51.8
164	32.8	26.5	39.7



Instrument :
BNA_F
ClientSampleId :
PB166117BS

Manual Integrations
APPROVED

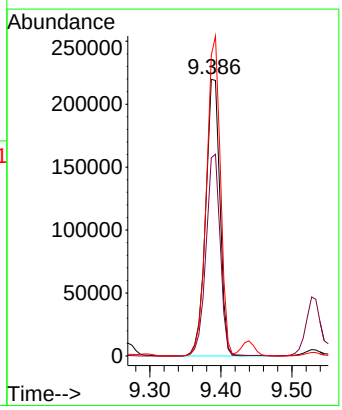
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

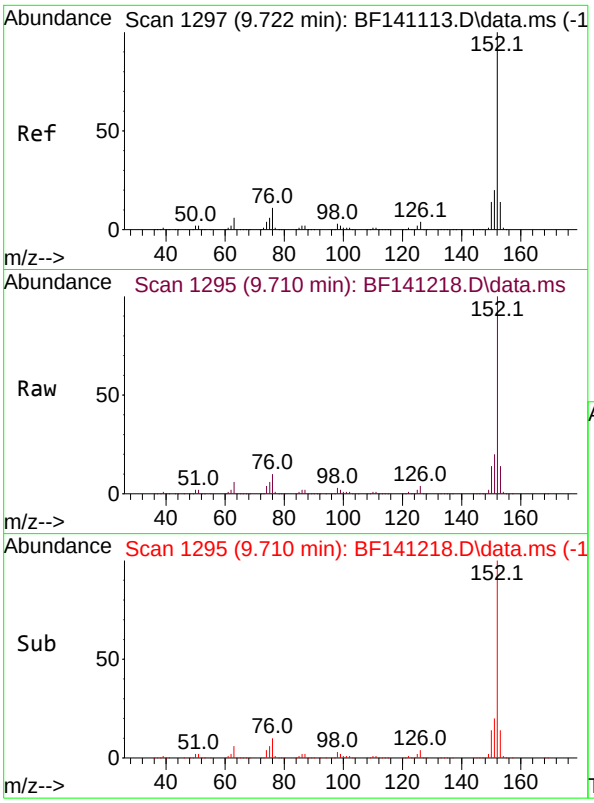


#48
2-Nitroaniline
Concen: 49.248 ng
RT: 9.386 min Scan# 1240
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion: 65 Resp: 308424

Ion	Ratio	Lower	Upper
65	100		
92	71.6	58.3	87.5
138	108.7	89.1	133.7

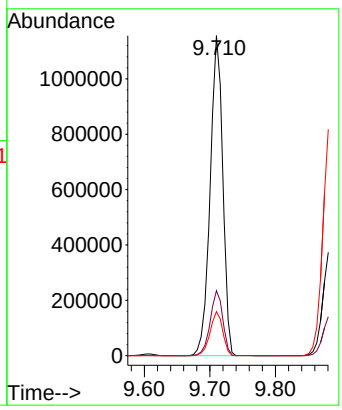




#49
Acenaphthylene
Concen: 51.294 ng
RT: 9.710 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:152 Resp: 154826

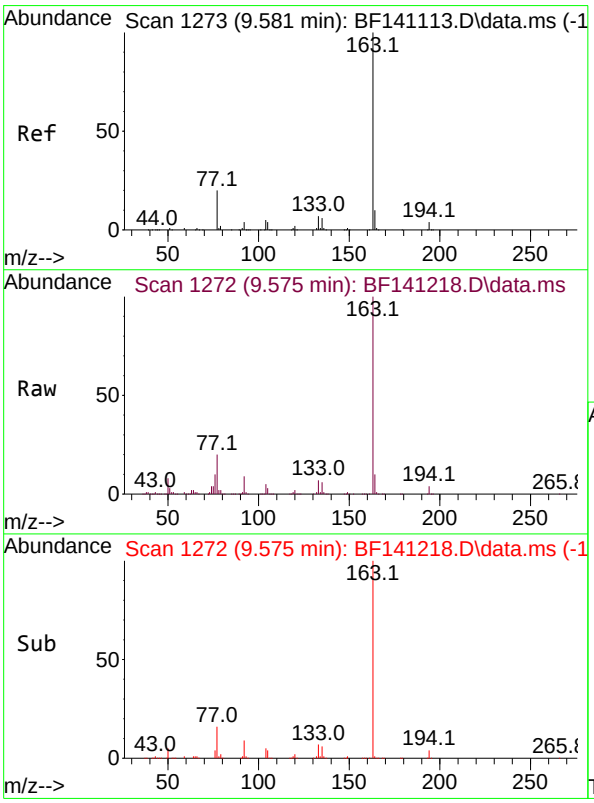
Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.1	24.1
153	13.8	11.1	16.7



Instrument :
BNA_F
ClientSampleId :
PB166117BS

Manual Integrations
APPROVED

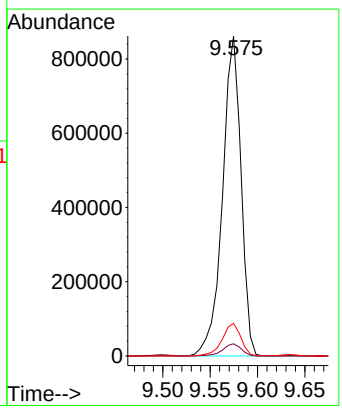
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

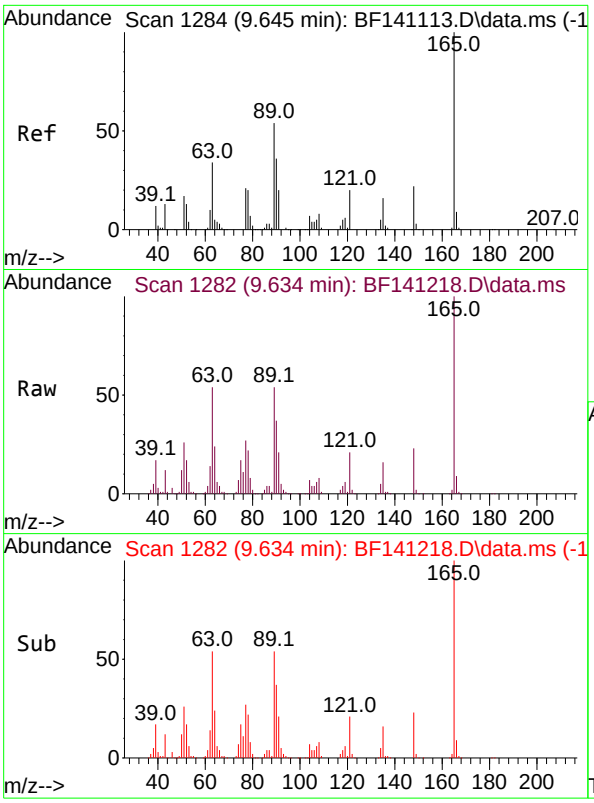


#50
Dimethylphthalate
Concen: 50.025 ng
RT: 9.575 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:163 Resp: 1173008

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	10.2	8.2	12.4





#51
2,6-Dinitrotoluene
Concen: 48.718 ng
RT: 9.634 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

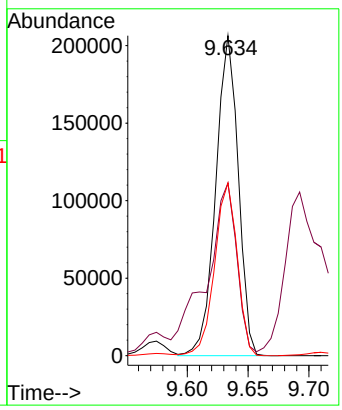
Tgt Ion:165 Resp: 26565

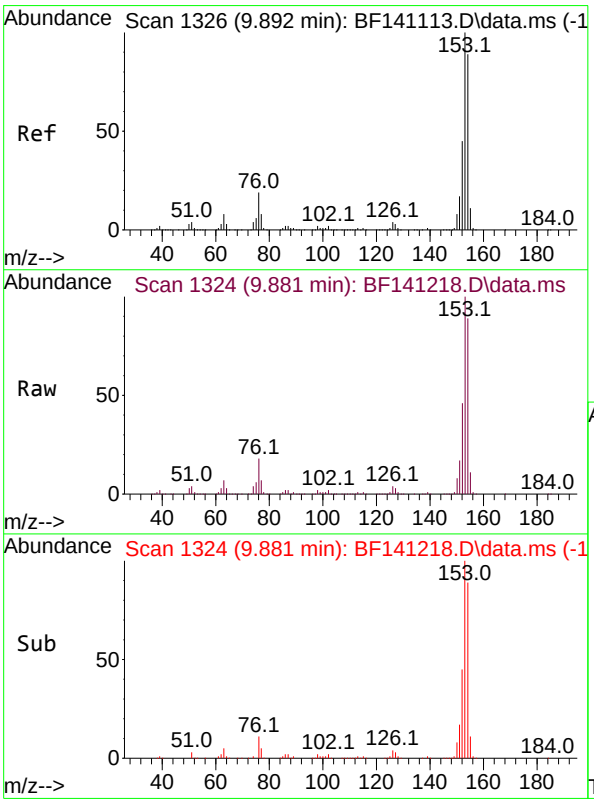
Ion	Ratio	Lower	Upper
165	100		
63	53.9	42.3	63.5
89	53.9	43.1	64.7

Instrument :
BNA_F
ClientSampleId :
PB166117BS

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Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

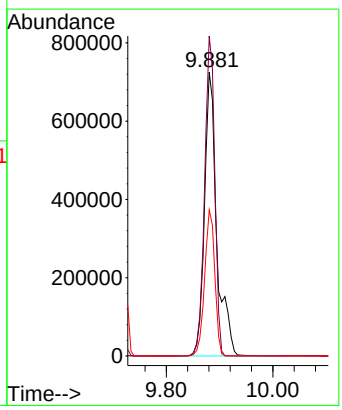


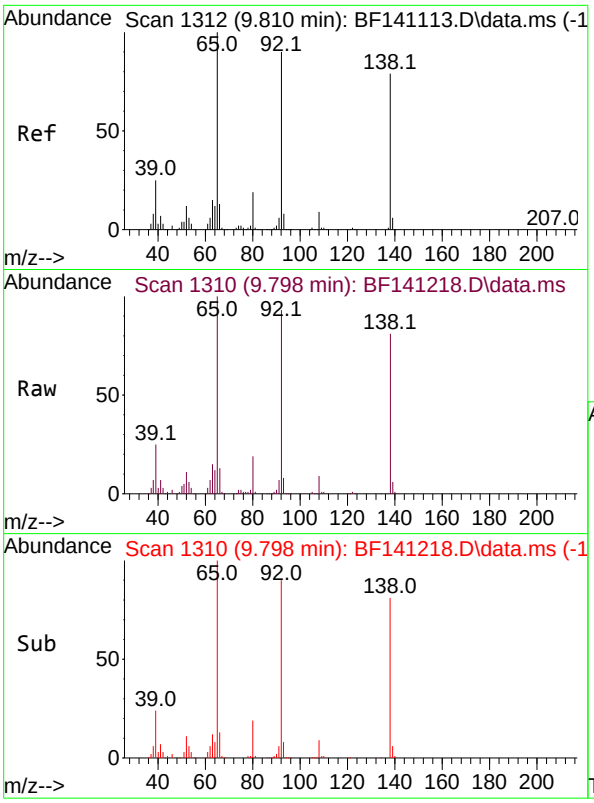


#52
Acenaphthene
Concen: 55.071 ng
RT: 9.881 min Scan# 1324
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:154 Resp: 1161330

Ion	Ratio	Lower	Upper
154	100		
153	112.7	89.8	134.6
152	51.5	40.8	61.2





#53
3-Nitroaniline
Concen: 30.011 ng
RT: 9.798 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

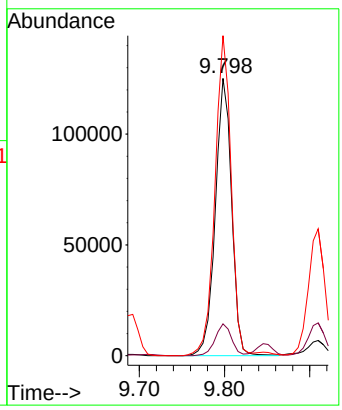
Tgt Ion:138 Resp: 16629

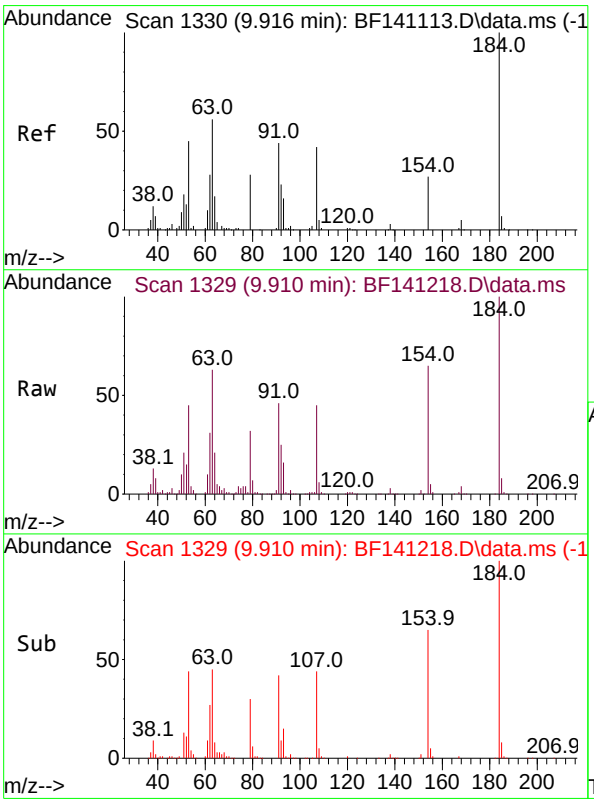
Ion	Ratio	Lower	Upper
138	100		
108	11.5	8.8	13.2
92	115.4	91.3	136.9

Instrument :
BNA_F
ClientSampleId :
PB166117BS

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Supervised By :mohammad ahmed 01/21/2025

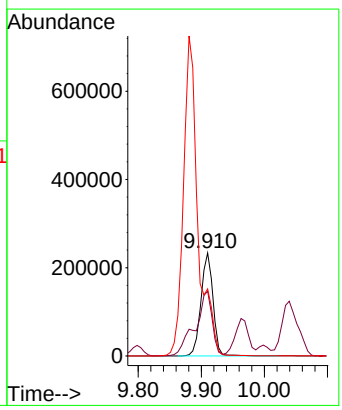


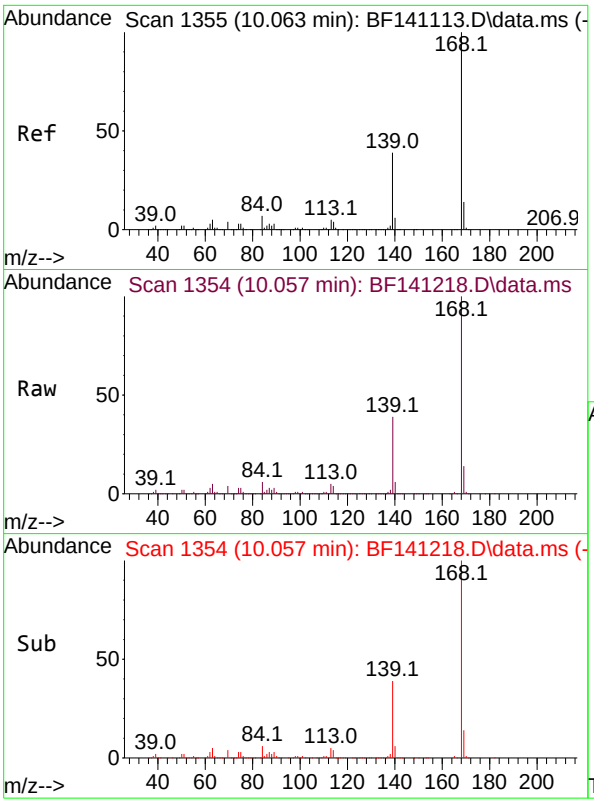


#54
2,4-Dinitrophenol
Concen: 119.414 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:184 Resp: 309500

Ion	Ratio	Lower	Upper
184	100		
63	62.9	48.7	73.1
154	65.0	57.1	85.7

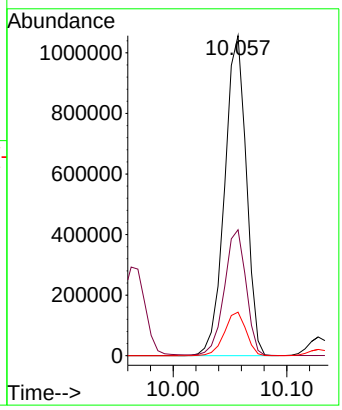




#55
Dibenzofuran
Concen: 48.758 ng
RT: 10.057 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:168 Resp: 139858

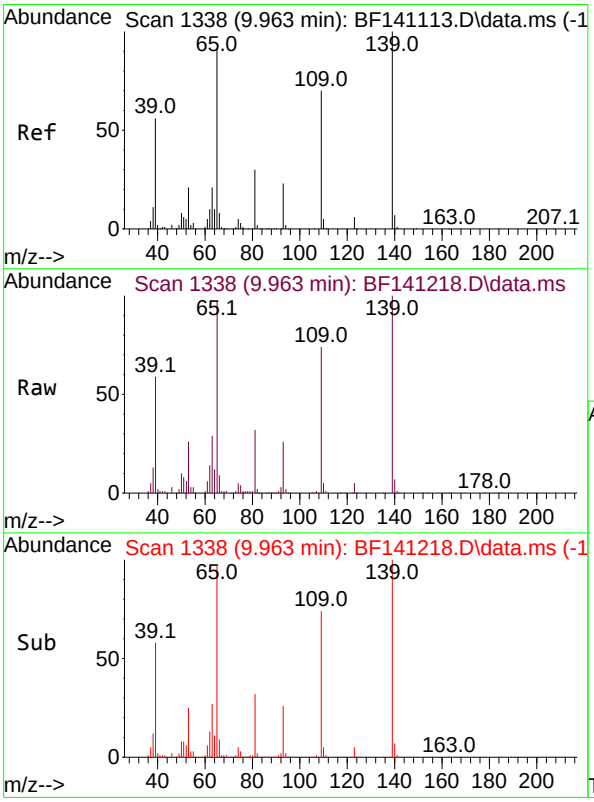
Ion	Ratio	Lower	Upper
168	100		
139	39.4	31.4	47.0
169	13.6	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
PB166117BS

Manual Integrations
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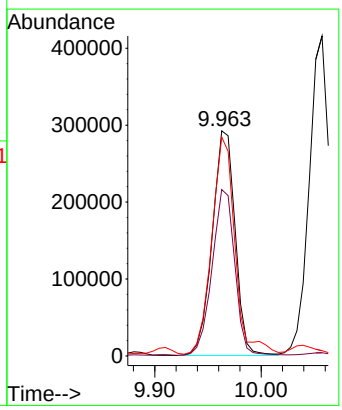
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

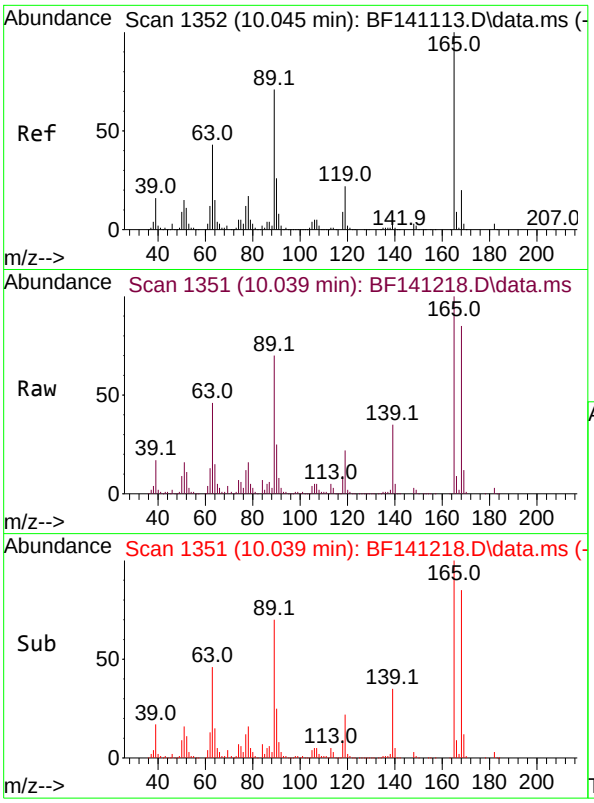


#56
4-Nitrophenol
Concen: 100.317 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.000 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:139 Resp: 435346

Ion	Ratio	Lower	Upper
139	100		
109	73.9	50.2	90.2
65	97.2	72.1	112.1

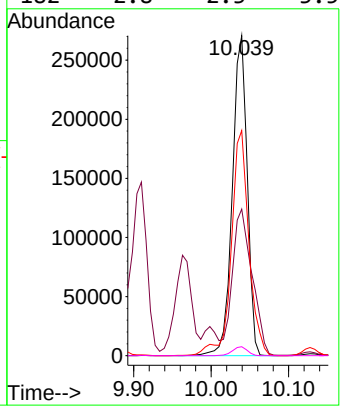




#57
2,4-Dinitrotoluene
Concen: 51.576 ng
RT: 10.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:165 Resp: 36243

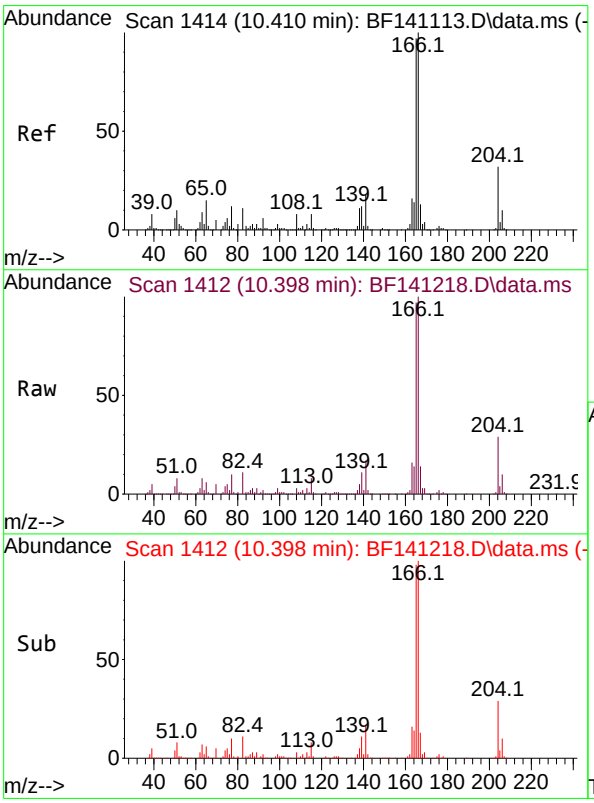
Ion	Ratio	Lower	Upper
165	100		
63	45.8	35.0	52.4
89	70.4	56.7	85.1
182	2.8	2.3	3.5



Instrument :
BNA_F
ClientSampleId :
PB166117BS

Manual Integrations
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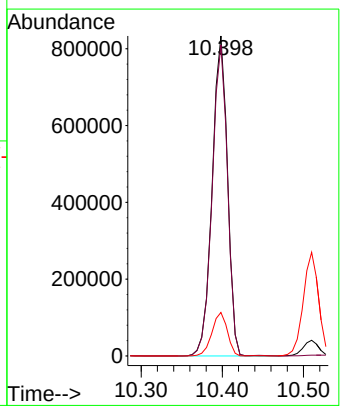
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

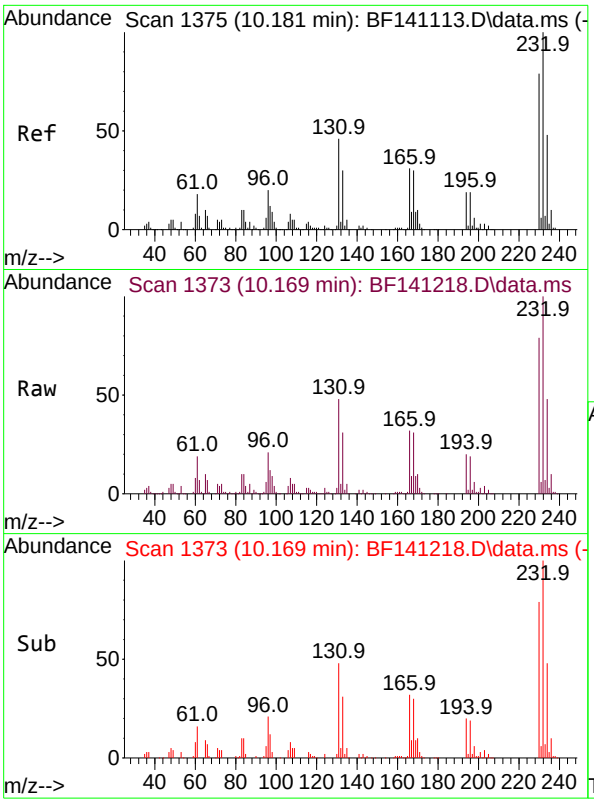


#58
Fluorene
Concen: 48.984 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:166 Resp: 1091586

Ion	Ratio	Lower	Upper
166	100		
165	97.2	77.8	116.8
167	13.6	10.8	16.2

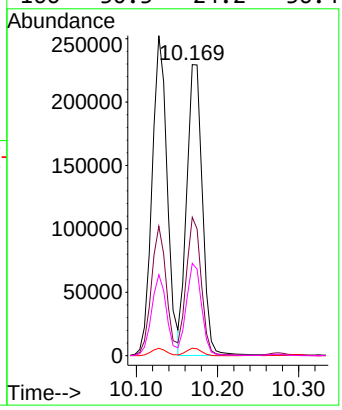




#59
2,3,4,6-Tetrachlorophenol
Concen: 51.784 ng
RT: 10.169 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:232 Resp: 30735

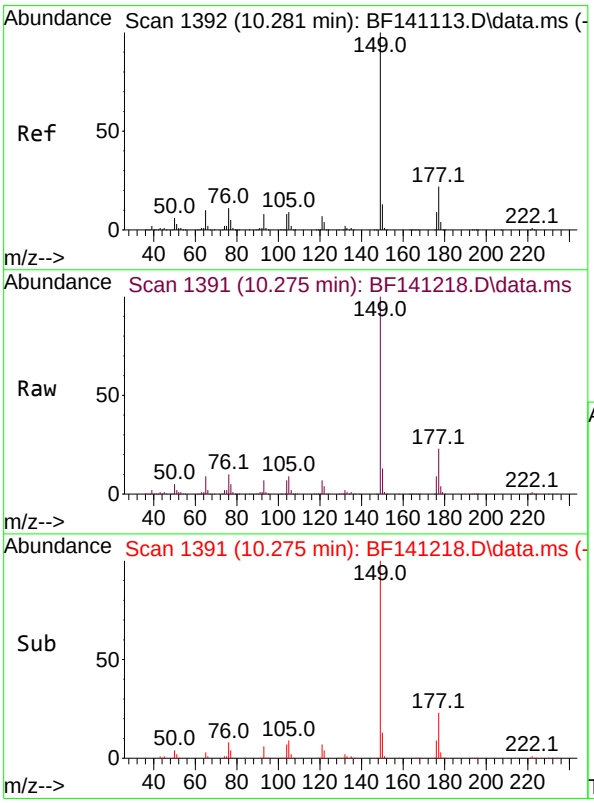
Ion	Ratio	Lower	Upper
232	100		
131	45.5	36.2	54.4
130	2.5	2.0	3.0
166	30.3	24.2	36.4



Instrument :
BNA_F
ClientSampleId :
PB166117BS

Manual Integrations
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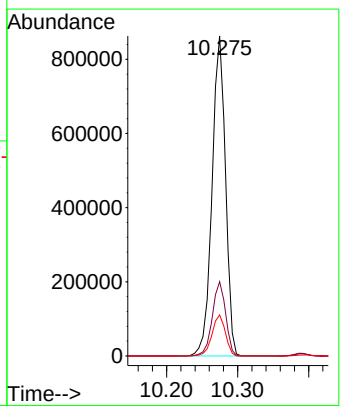
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

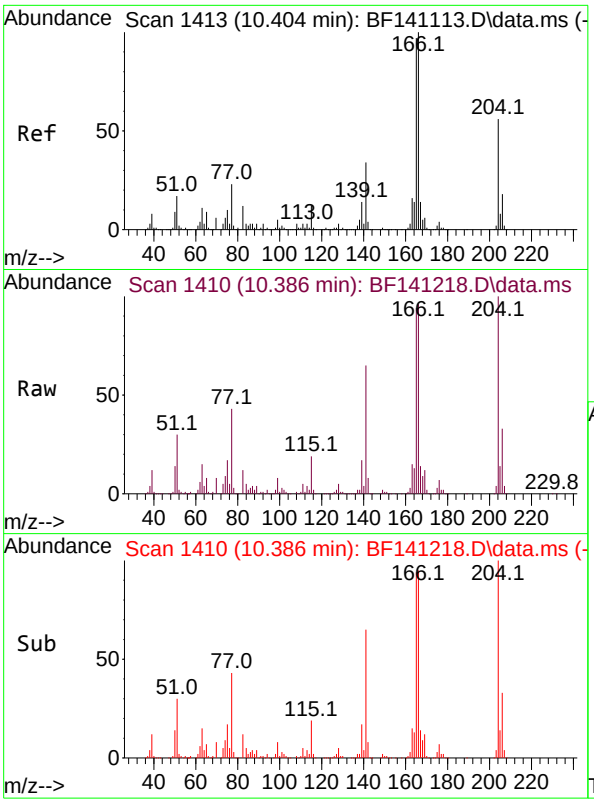


#60
Diethylphthalate
Concen: 49.488 ng
RT: 10.275 min Scan# 1391
Delta R.T. -0.006 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:149 Resp: 1132863

Ion	Ratio	Lower	Upper
149	100		
177	23.2	17.9	26.9
150	12.8	10.2	15.2





#61
4-Chlorophenyl-phenylether
Concen: 49.001 ng
RT: 10.386 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

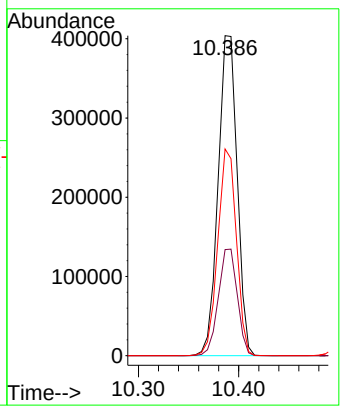
Instrument :
BNA_F
ClientSampleId :
PB166117BS

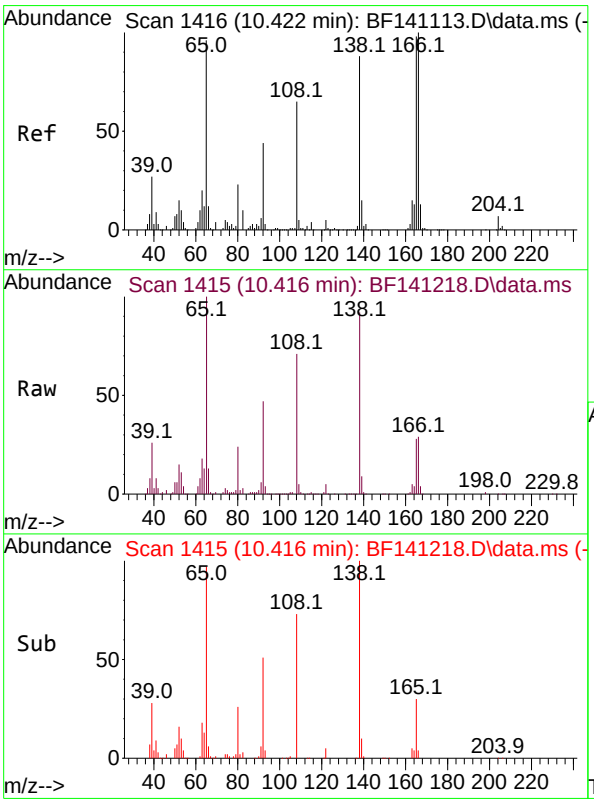
Tgt Ion:204 Resp: 53221

Ion	Ratio	Lower	Upper
204	100		
206	33.1	25.9	38.9
141	64.6	49.1	73.7

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Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

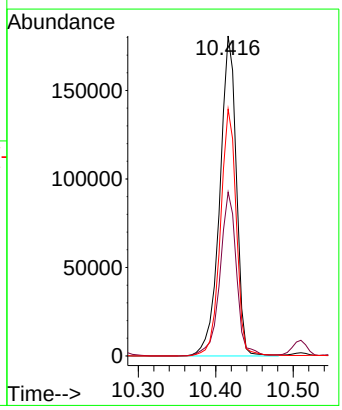


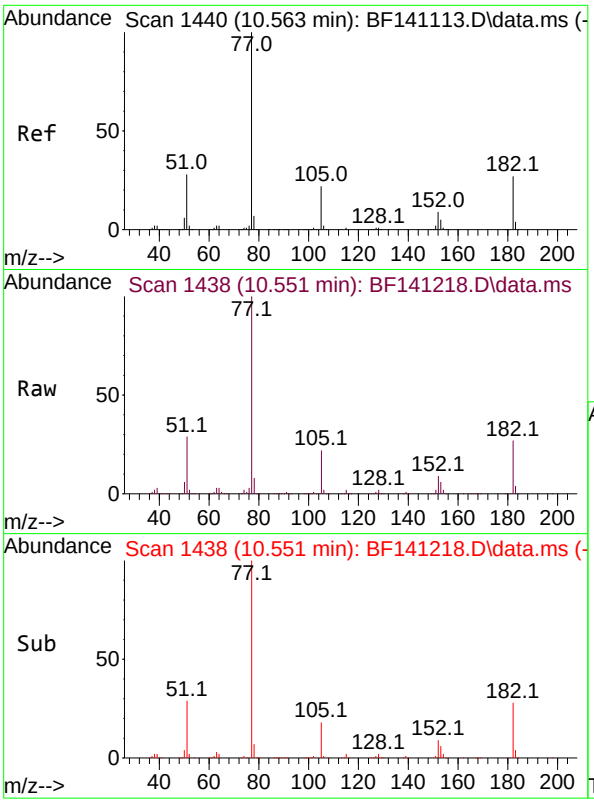


#62
4-Nitroaniline
Concen: 49.612 ng
RT: 10.416 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:138 Resp: 269068

Ion	Ratio	Lower	Upper
138	100		
92	51.2	29.4	69.4
108	77.2	53.7	93.7





#63
Azobenzene
Concen: 48.914 ng
RT: 10.551 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

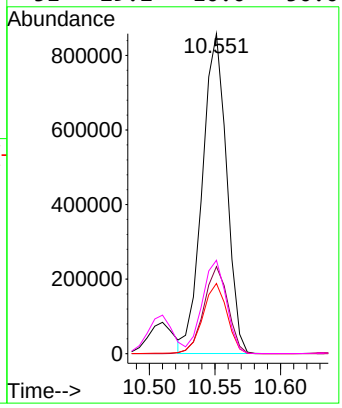
Instrument :
BNA_F
ClientSampleId :
PB166117BS

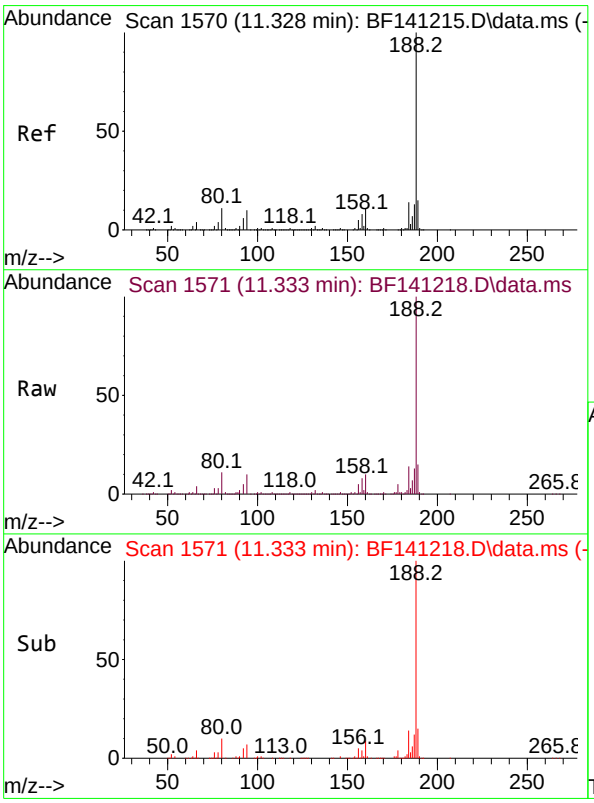
Tgt Ion: 77 Resp: 110484

Ion	Ratio	Lower	Upper
77	100		
182	27.2	6.1	46.1
105	21.9	2.1	42.1
51	29.2	10.0	50.0

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Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

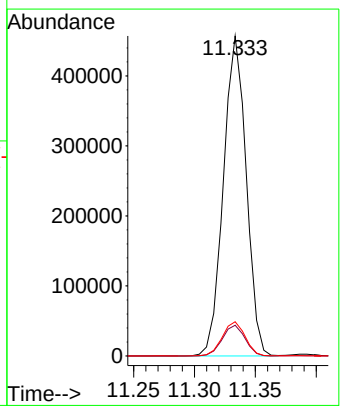


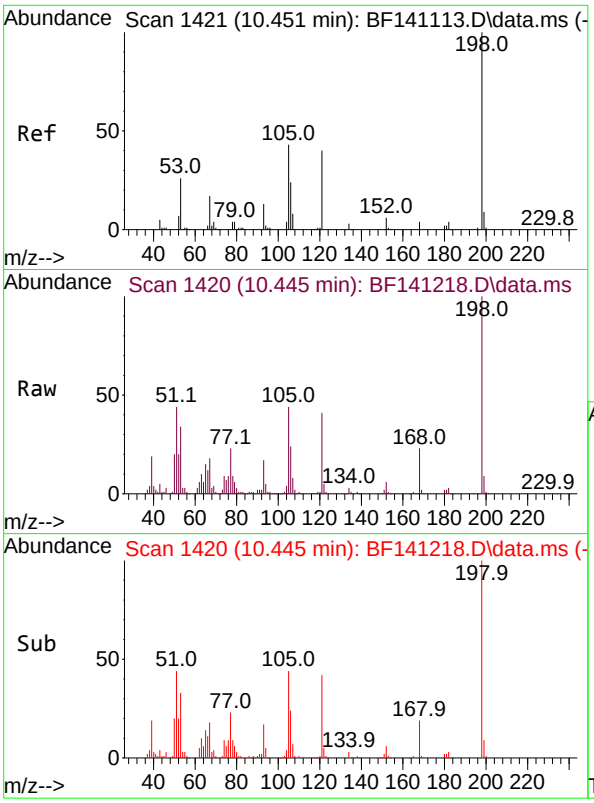


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.333 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:188 Resp: 596700

Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.3	12.5
80	10.7	9.0	13.4

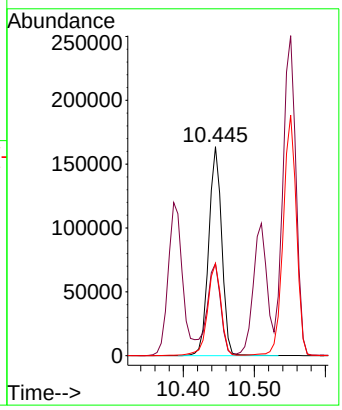




#65
4,6-Dinitro-2-methylphenol
Concen: 60.375 ng
RT: 10.445 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:198 Resp: 20875

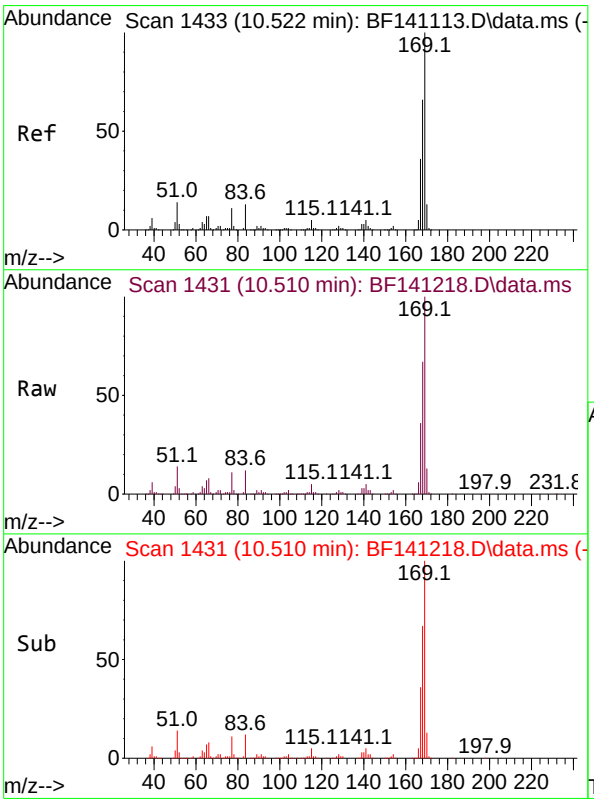
Ion	Ratio	Lower	Upper
198	100		
51	44.1	27.1	67.1
105	44.1	24.2	64.2



Instrument :
BNA_F
ClientSampleId :
PB166117BS

Manual Integrations
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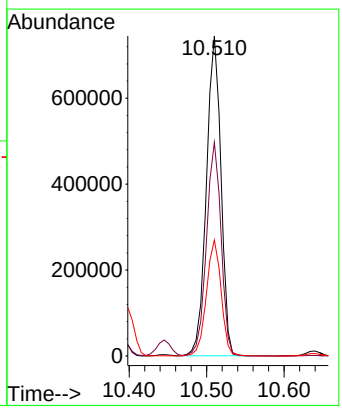
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

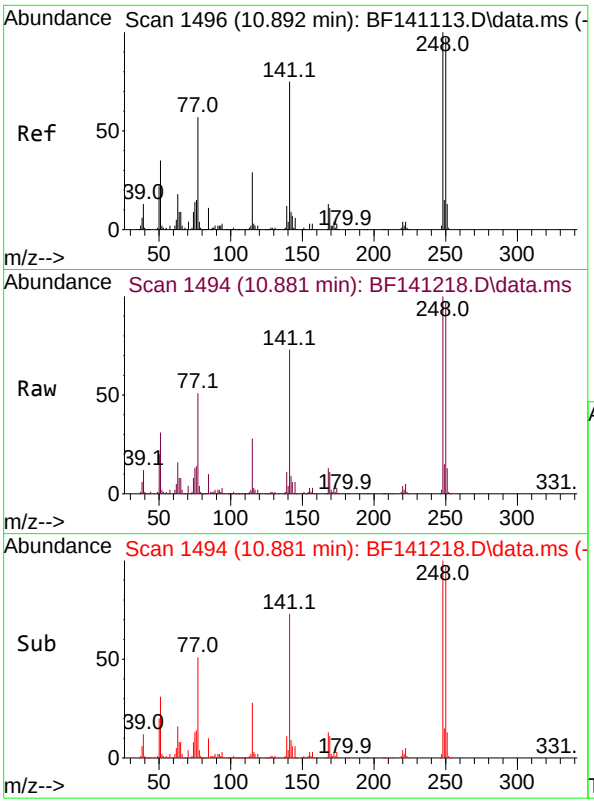


#66
n-Nitrosodiphenylamine
Concen: 50.372 ng
RT: 10.510 min Scan# 1431
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:169 Resp: 969467

Ion	Ratio	Lower	Upper
169	100		
168	66.8	52.5	78.7
167	36.3	28.9	43.3





#67
4-Bromophenyl-phenylether
Concen: 50.925 ng
RT: 10.881 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

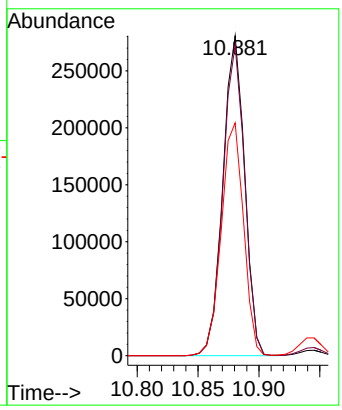
Tgt Ion:248 Resp: 34984

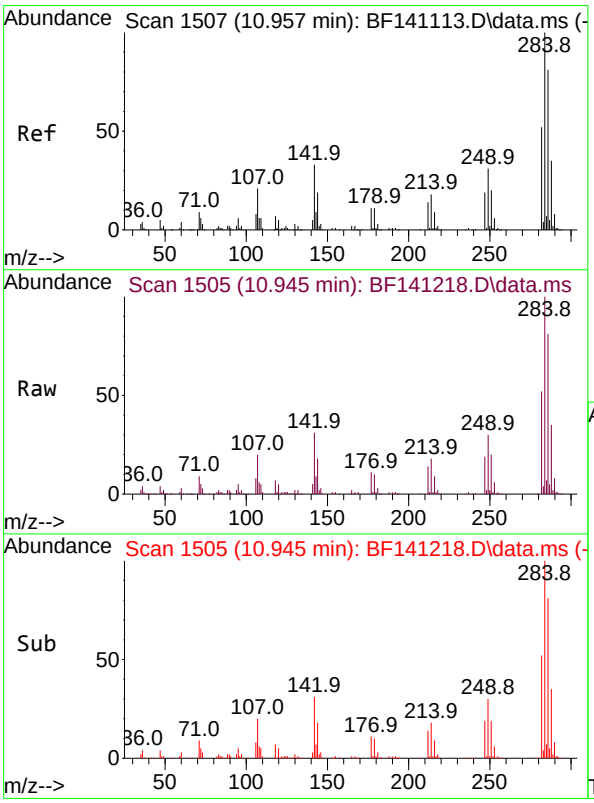
Ion	Ratio	Lower	Upper
248	100		
250	97.0	77.9	116.9
141	72.8	59.9	89.9

Instrument :
BNA_F
ClientSampleId :
PB166117BS

Manual Integrations
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Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

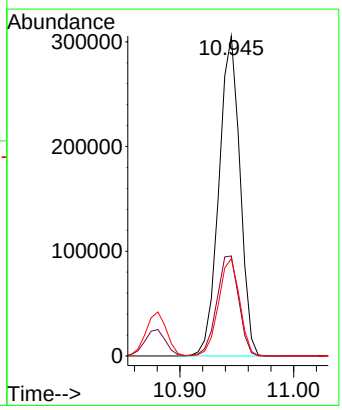


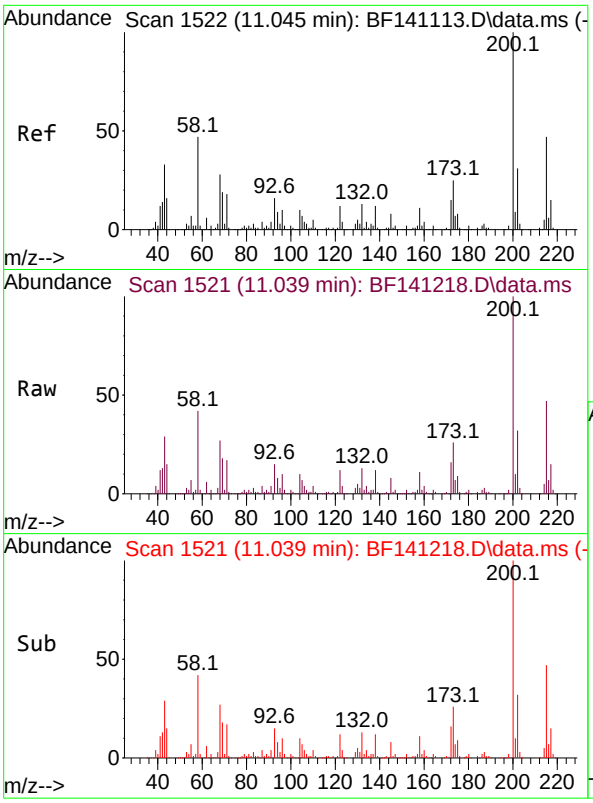


#68
Hexachlorobenzene
Concen: 51.449 ng
RT: 10.945 min Scan# 1505
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:284 Resp: 393452

Ion	Ratio	Lower	Upper
284	100		
142	31.2	26.3	39.5
249	30.4	24.9	37.3

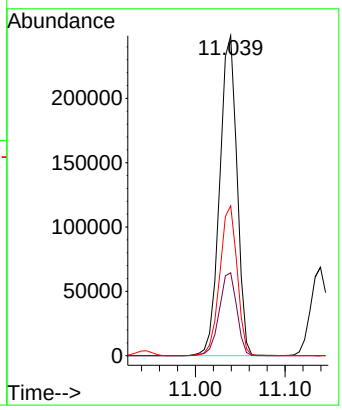




#69
Atrazine
Concen: 64.267 ng
RT: 11.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:200 Resp: 33304

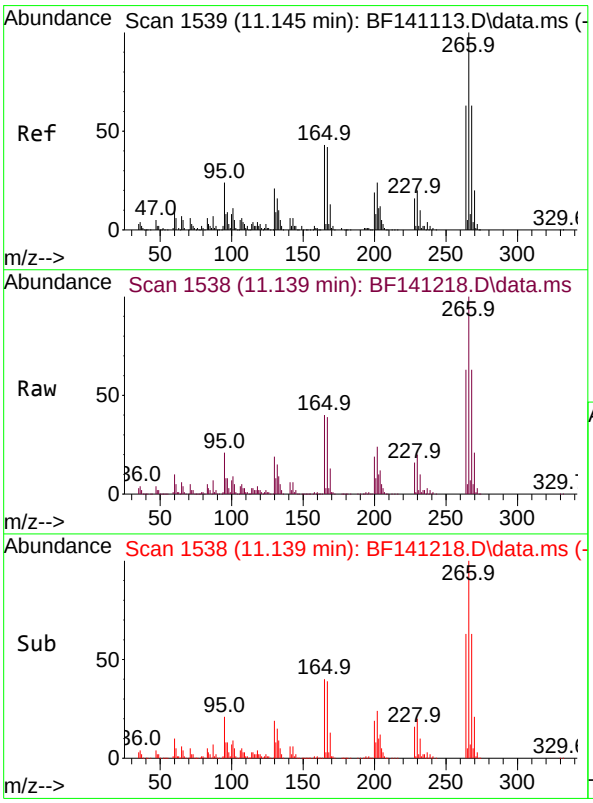
Ion	Ratio	Lower	Upper
200	100		
173	25.9	5.4	45.4
215	46.8	26.6	66.6



Instrument :
BNA_F
ClientSampleId :
PB166117BS

Manual Integrations
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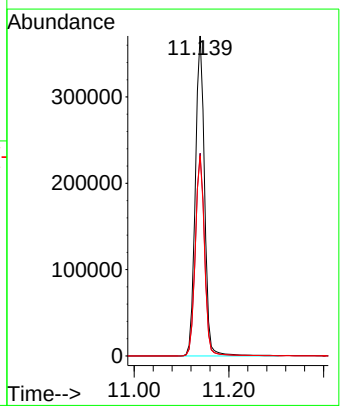
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

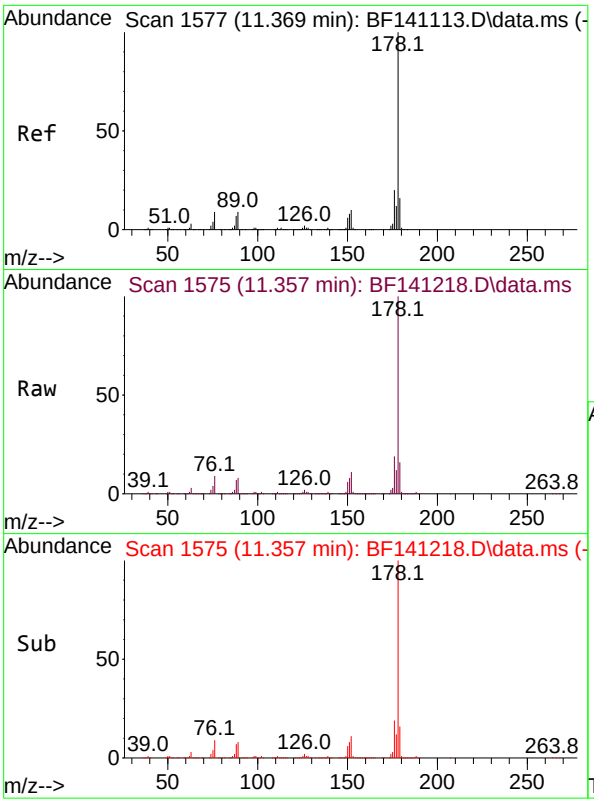


#70
Pentachlorophenol
Concen: 102.404 ng
RT: 11.139 min Scan# 1538
Delta R.T. -0.006 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:266 Resp: 501513

Ion	Ratio	Lower	Upper
266	100		
268	63.3	50.4	75.6
264	62.5	50.2	75.2

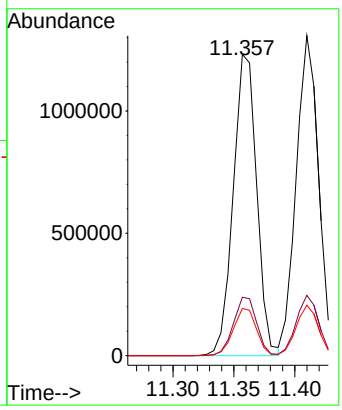




#71
Phenanthrene
Concen: 51.589 ng
RT: 11.357 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:178 Resp: 165264

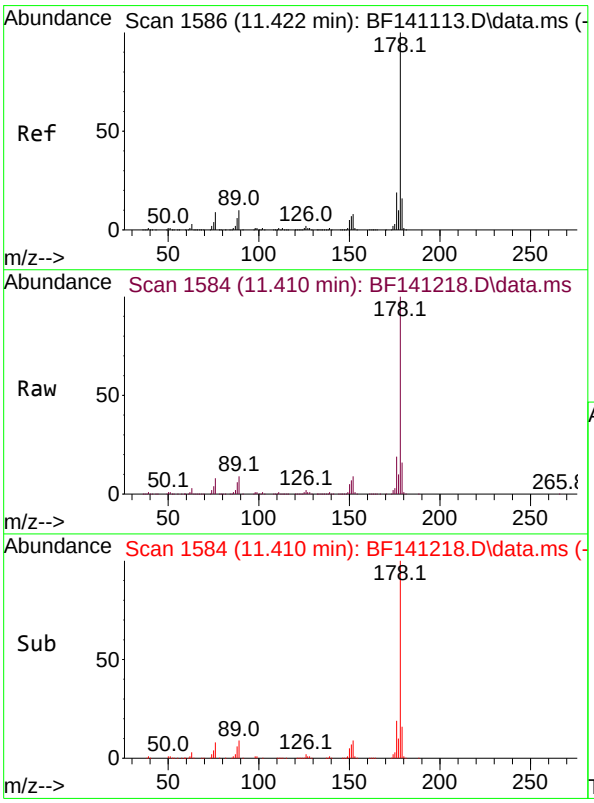
Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.7	23.5
179	15.7	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
PB166117BS

Manual Integrations
APPROVED

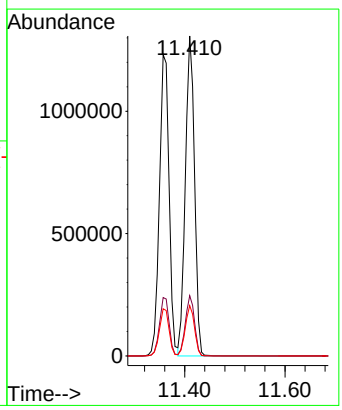
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

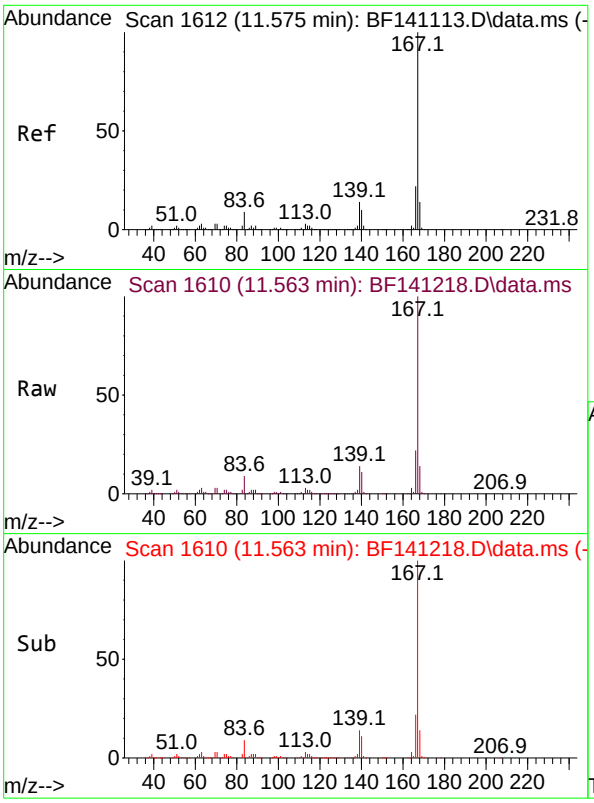


#72
Anthracene
Concen: 53.576 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:178 Resp: 1668857

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.9	22.3
179	15.8	12.6	19.0

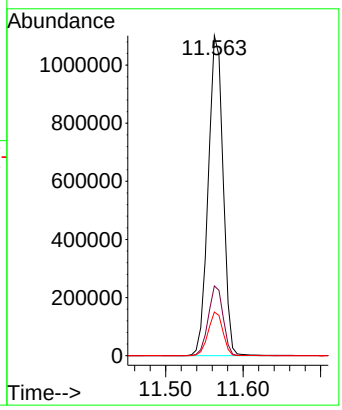




#73
Carbazole
Concen: 51.285 ng
RT: 11.563 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:167 Resp: 146478

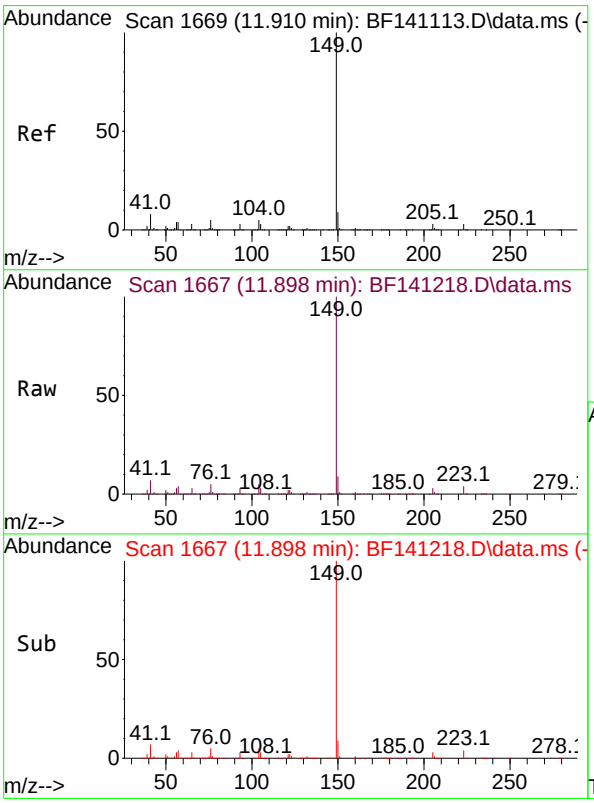
Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.4	26.2
139	13.7	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
PB166117BS

Manual Integrations
APPROVED

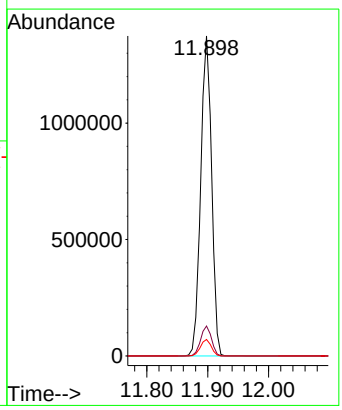
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

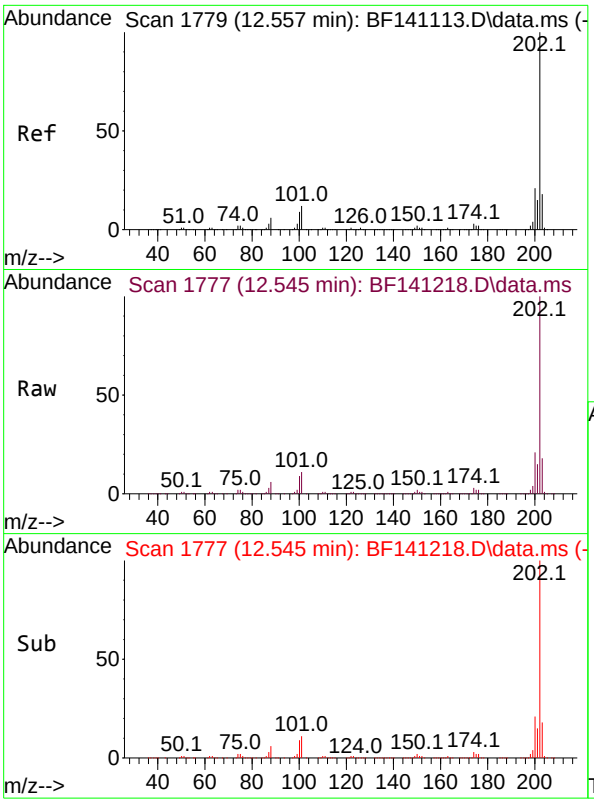


#74
Di-n-butylphthalate
Concen: 52.246 ng
RT: 11.898 min Scan# 1667
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:149 Resp: 1707757

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.2
104	5.1	4.2	6.2





#75
Fluoranthene
Concen: 53.257 ng
RT: 12.545 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

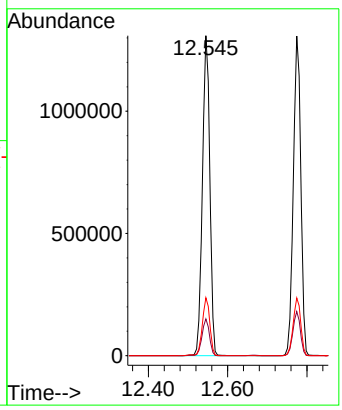
Tgt Ion:202 Resp: 170250

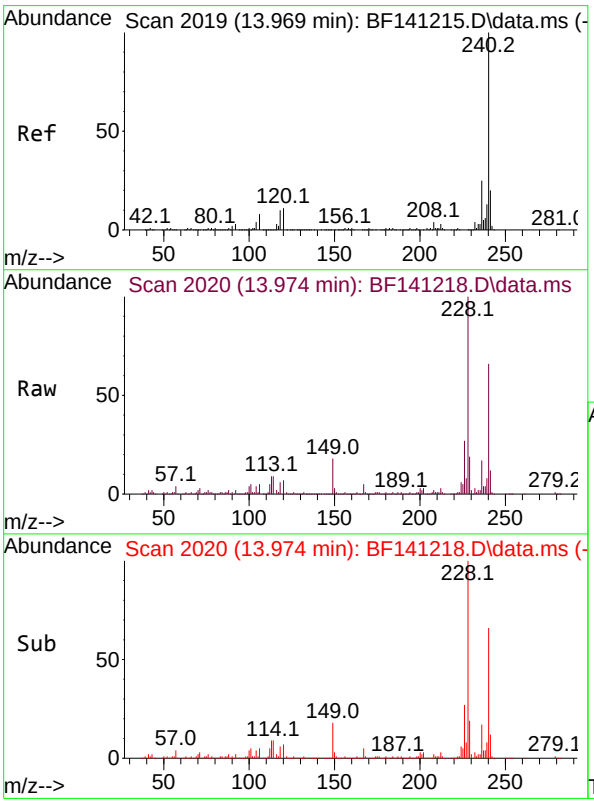
Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	32.3
203	18.1	0.0	37.7

Instrument :
BNA_F
ClientSampleId :
PB166117BS

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

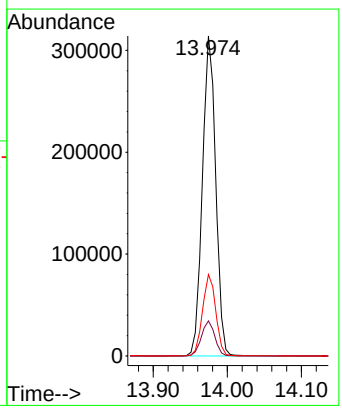


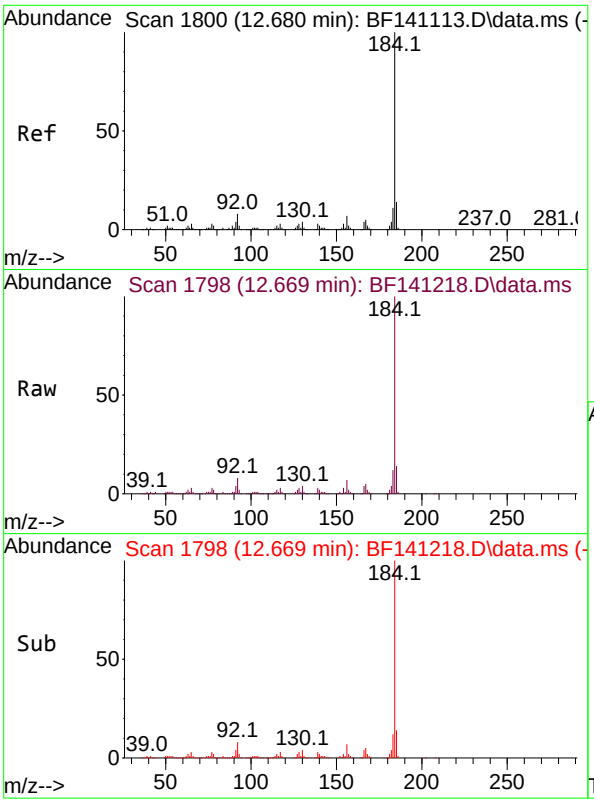


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:240 Resp: 391687

Ion	Ratio	Lower	Upper
240	100		
120	11.0	9.1	13.7
236	25.4	19.8	29.6

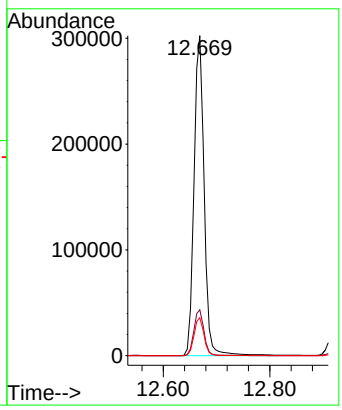




#77
Benzidine
Concen: 55.270 ng
RT: 12.669 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:184 Resp: 40145

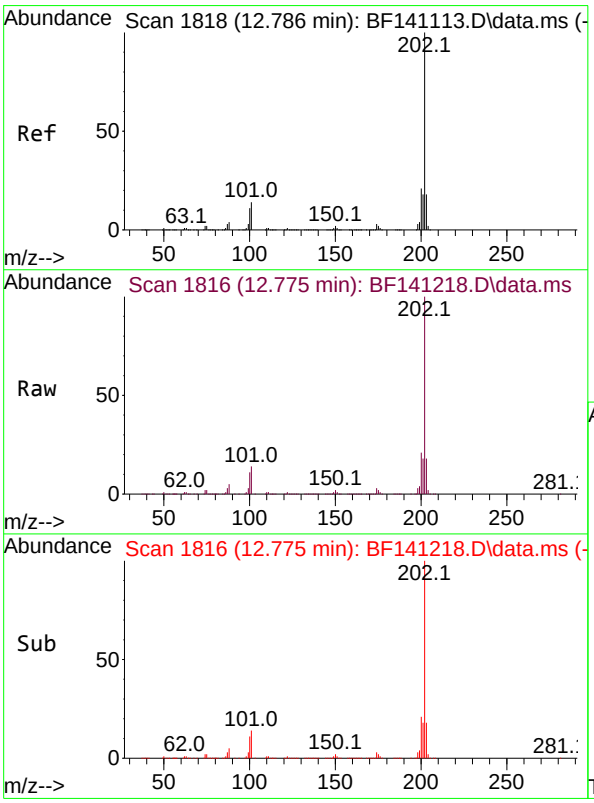
Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.4	17.0
183	11.9	9.2	13.8



Instrument :
BNA_F
ClientSampleId :
PB166117BS

Manual Integrations
APPROVED

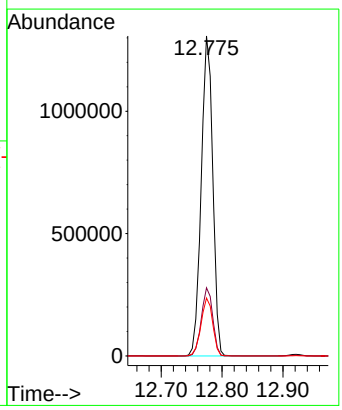
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

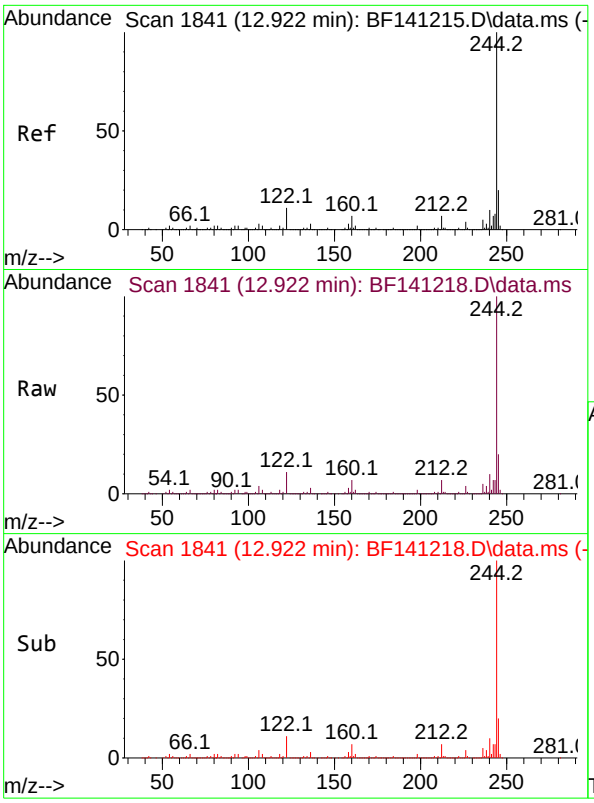


#78
Pyrene
Concen: 46.023 ng
RT: 12.775 min Scan# 1816
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:202 Resp: 1721782

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.8	25.2
203	18.1	14.3	21.5

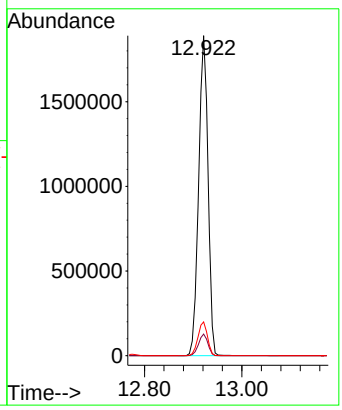




#79
Terphenyl-d14
Concen: 96.504 ng
RT: 12.922 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:244 Resp: 254316

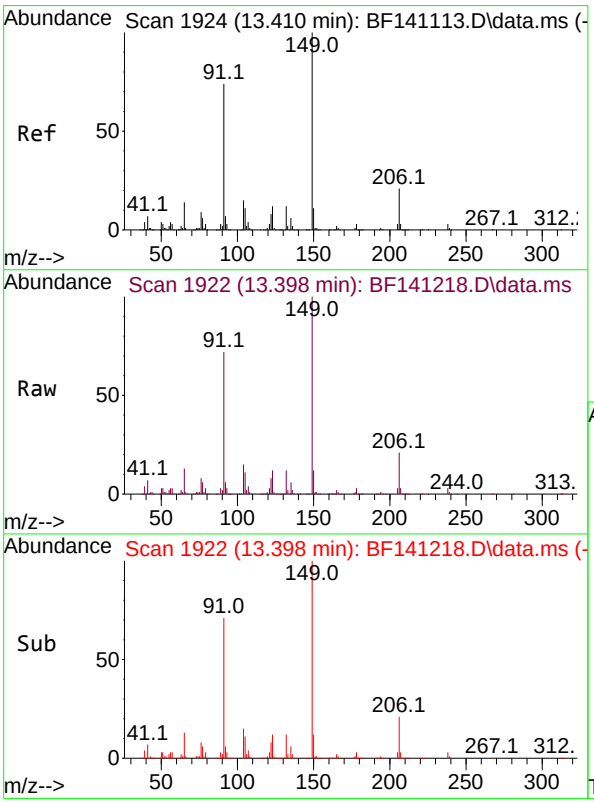
Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.2
122	10.5	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
PB166117BS

Manual Integrations
APPROVED

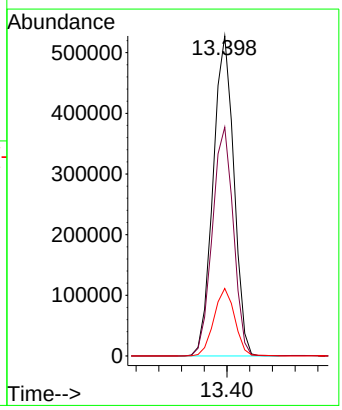
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

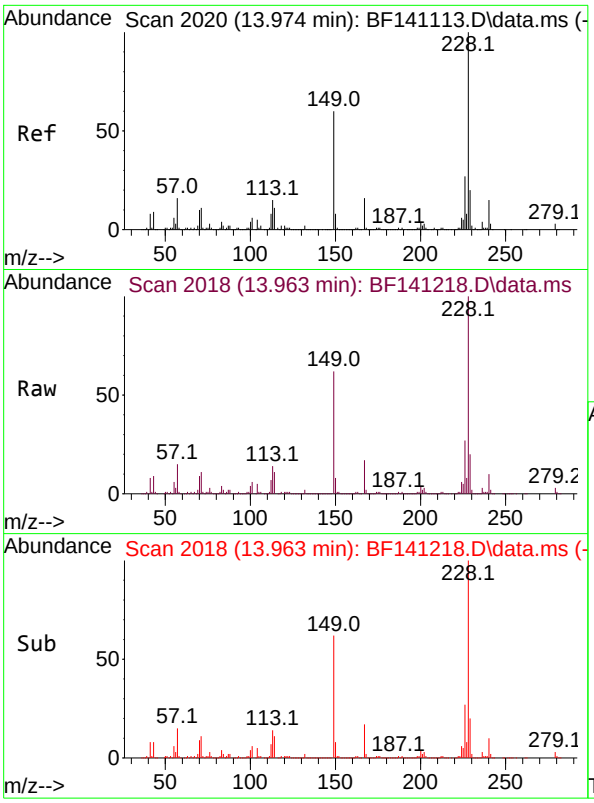


#80
Butylbenzylphthalate
Concen: 53.845 ng
RT: 13.398 min Scan# 1922
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:149 Resp: 671618

Ion	Ratio	Lower	Upper
149	100		
91	71.5	59.0	88.6
206	21.1	16.5	24.7

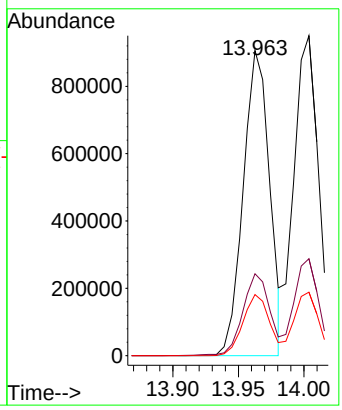




#81
Benzo(a)anthracene
Concen: 47.429 ng
RT: 13.963 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:228 Resp: 126429

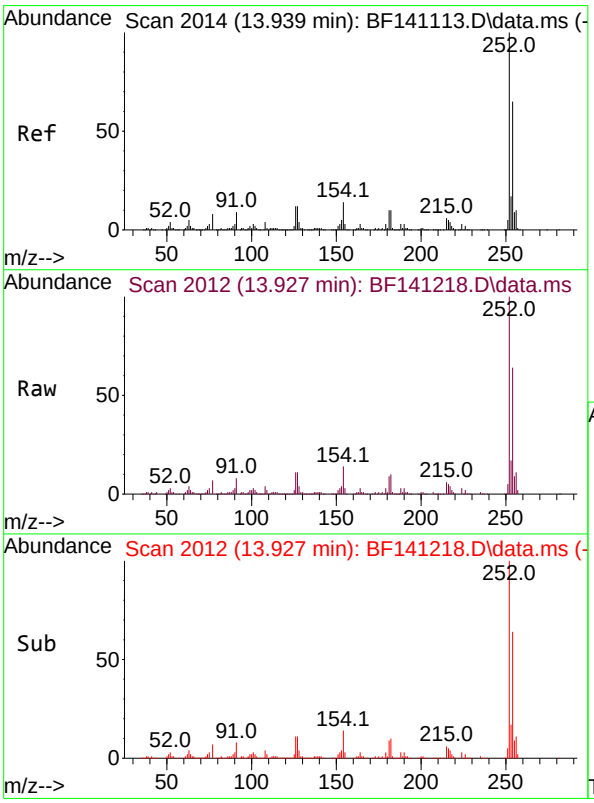
Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.7	32.5
229	20.0	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
PB166117BS

Manual Integrations
APPROVED

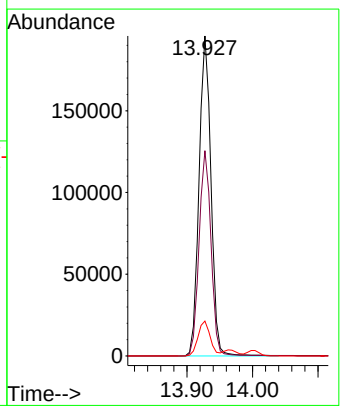
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

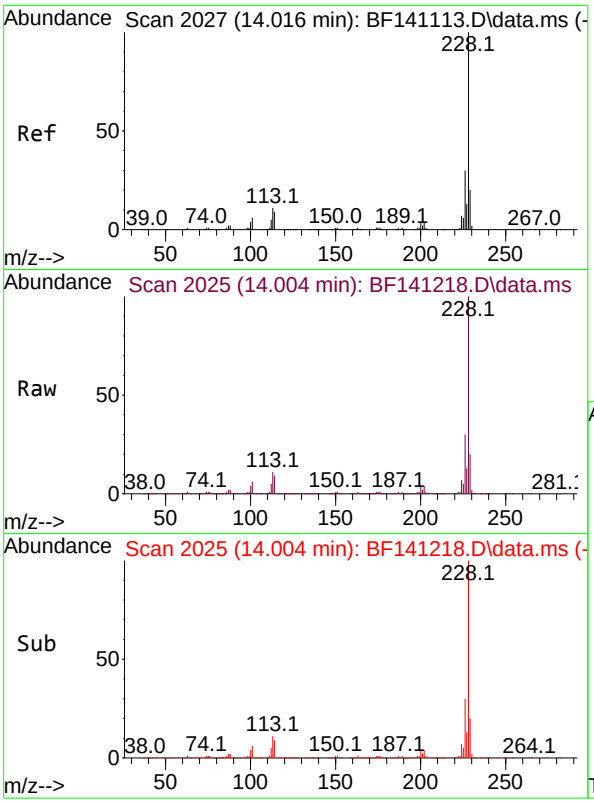


#82
3,3'-Dichlorobenzidine
Concen: 29.246 ng
RT: 13.927 min Scan# 2012
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:252 Resp: 248240

Ion	Ratio	Lower	Upper
252	100		
254	64.2	52.0	78.0
126	10.9	9.4	14.0

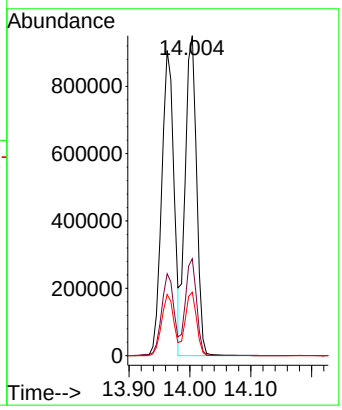




#83
Chrysene
Concen: 49.694 ng
RT: 14.004 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:228 Resp: 123947

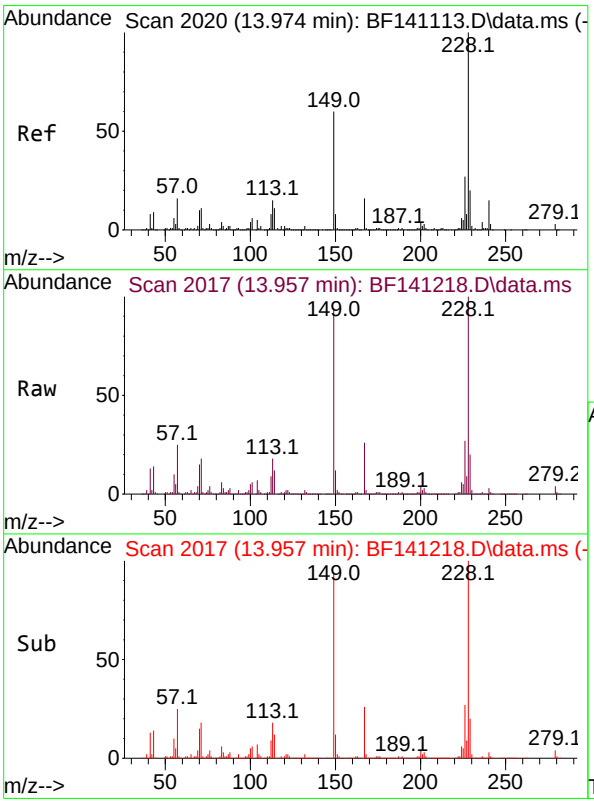
Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.8	35.8
229	19.9	15.8	23.8



Instrument :
BNA_F
ClientSampleId :
PB166117BS

Manual Integrations
APPROVED

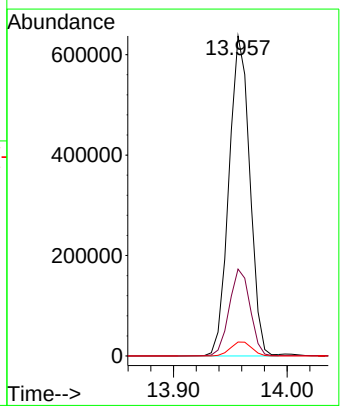
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

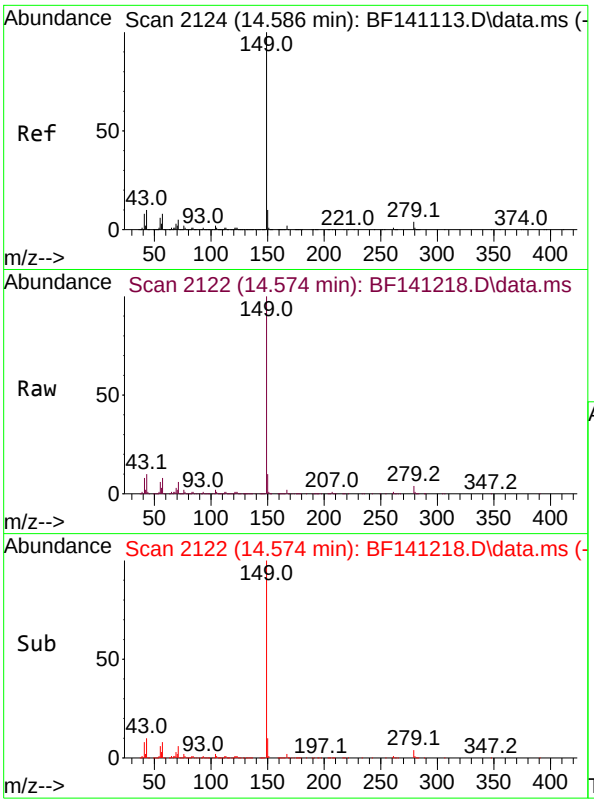


#84
Bis(2-ethylhexyl)phthalate
Concen: 54.200 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.018 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:149 Resp: 811154

Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.4	32.2
279	4.4	3.4	5.2





#85
Di-n-octyl phthalate
Concen: 53.319 ng
RT: 14.574 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

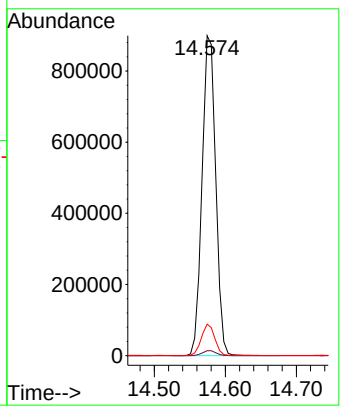
Instrument :
BNA_F
ClientSampleId :
PB166117BS

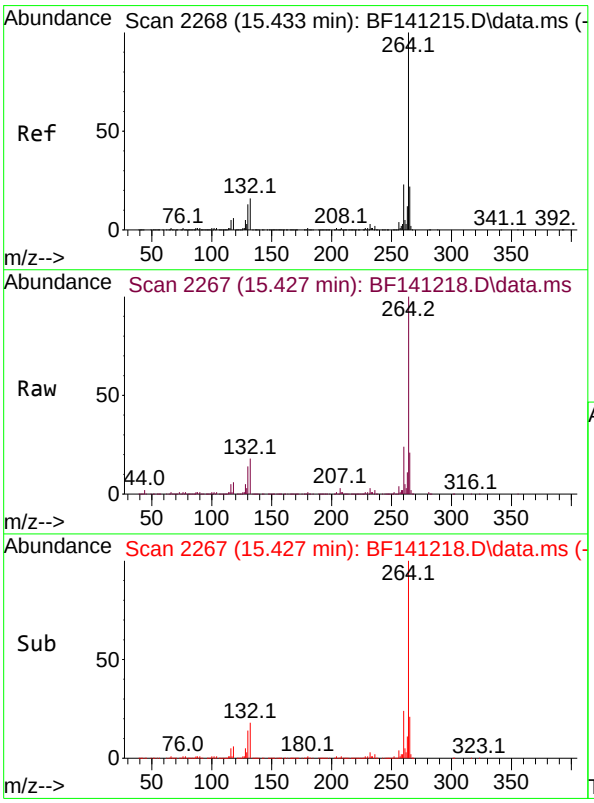
Tgt Ion:149 Resp: 120500

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	9.6	8.4	12.6

Manual Integrations
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Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

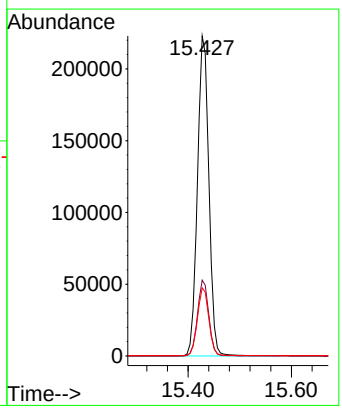


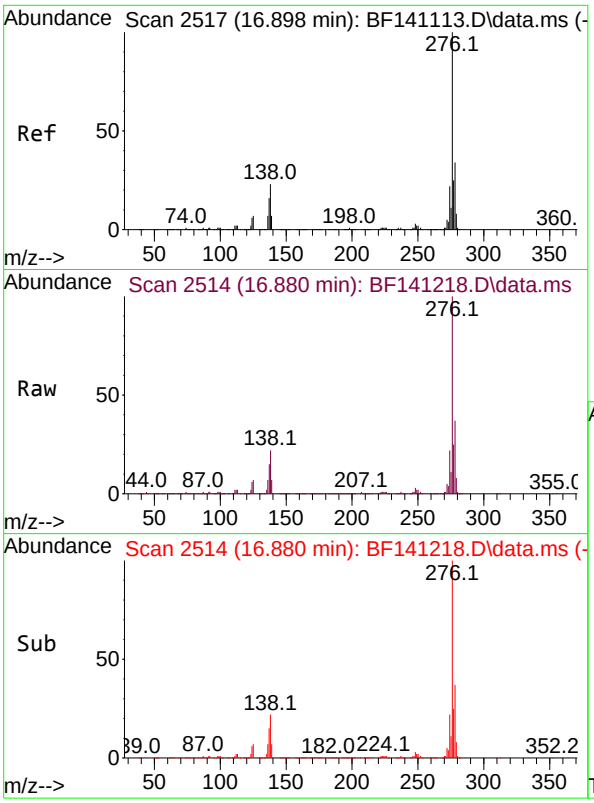


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2267
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:264 Resp: 341954

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	28.0
265	21.3	17.4	26.0

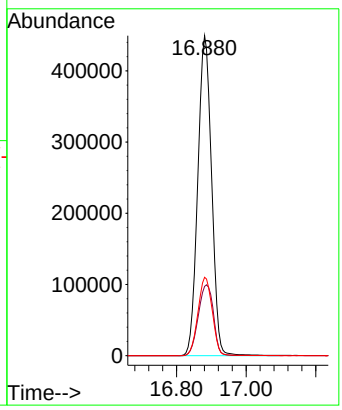




#87
Indeno(1,2,3-cd)pyrene
Concen: 49.416 ng
RT: 16.880 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:276 Resp: 123800

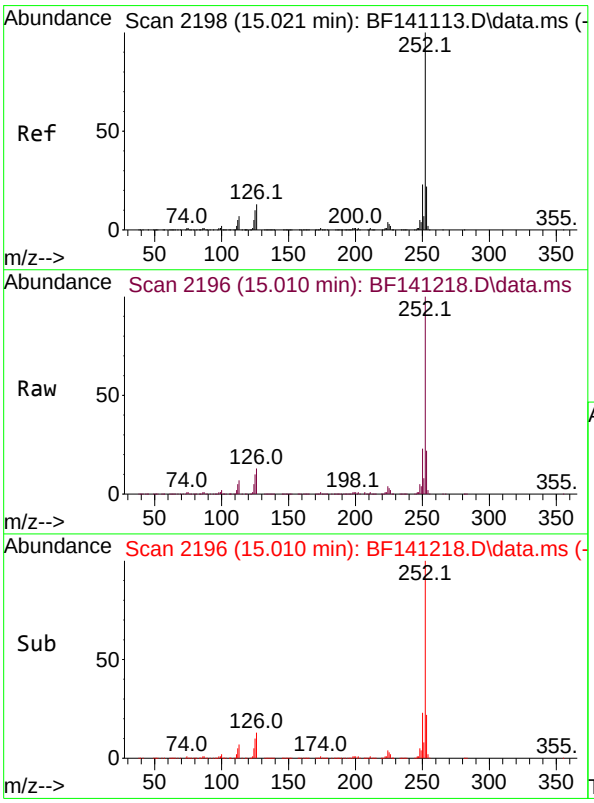
Ion	Ratio	Lower	Upper
276	100		
138	24.4	20.7	31.1
277	25.3	20.6	30.8



Instrument :
BNA_F
ClientSampleId :
PB166117BS

Manual Integrations
APPROVED

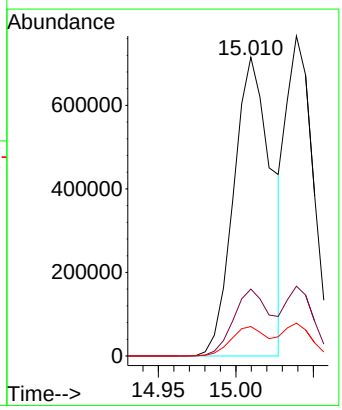
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

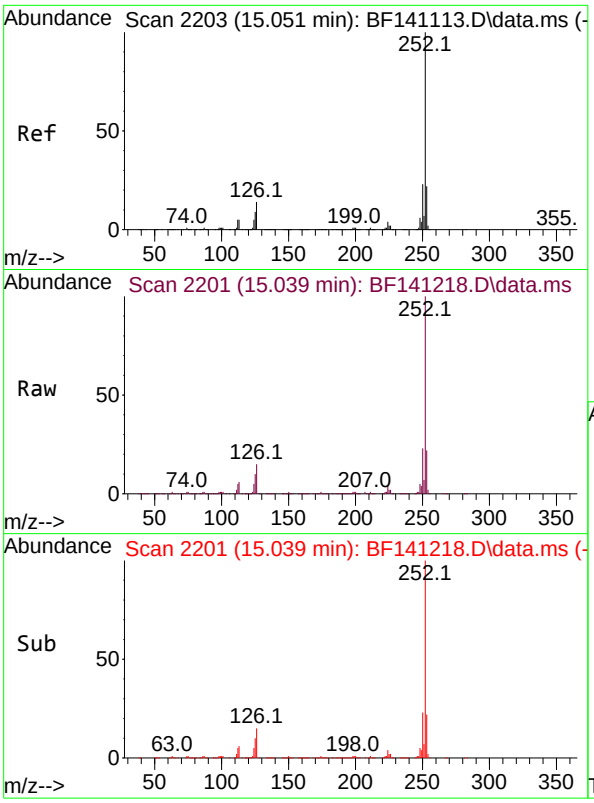


#88
Benzo(b)fluoranthene
Concen: 54.712 ng
RT: 15.010 min Scan# 2196
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:252 Resp: 1206417

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.6
125	9.9	8.1	12.1

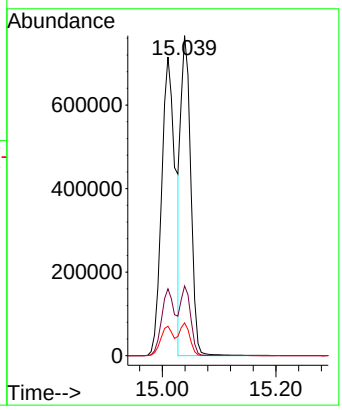




#89
Benzo(k)fluoranthene
Concen: 49.810 ng
RT: 15.039 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:252 Resp: 92818

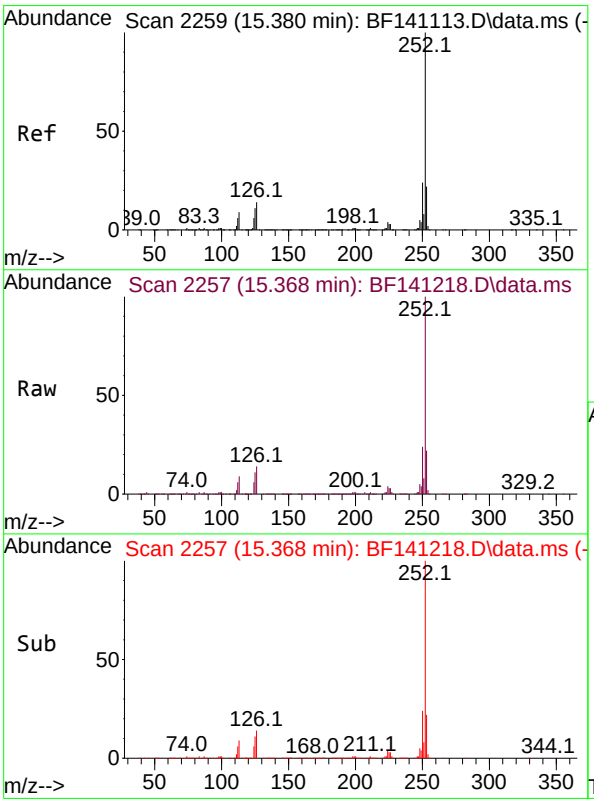
Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.8
125	10.3	7.9	11.9



Instrument :
BNA_F
ClientSampleId :
PB166117BS

Manual Integrations
APPROVED

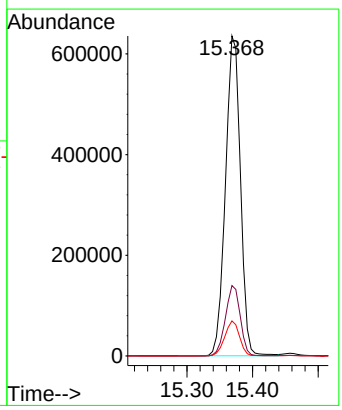
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

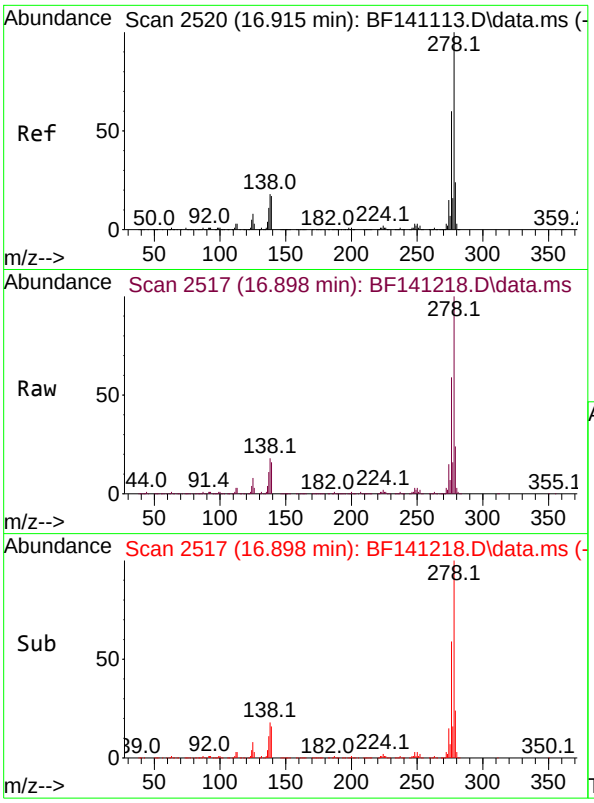


#90
Benzo(a)pyrene
Concen: 55.223 ng
RT: 15.368 min Scan# 2257
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:252 Resp: 1004648

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	11.0	9.1	13.7

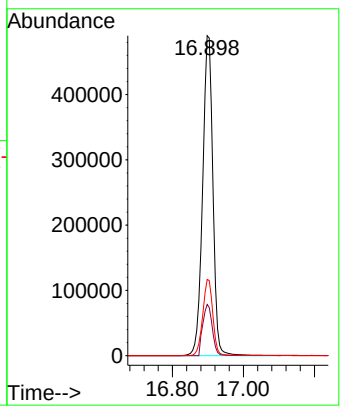




#91
Dibenzo(a,h)anthracene
Concen: 48.830 ng
RT: 16.898 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:278 Resp: 98942

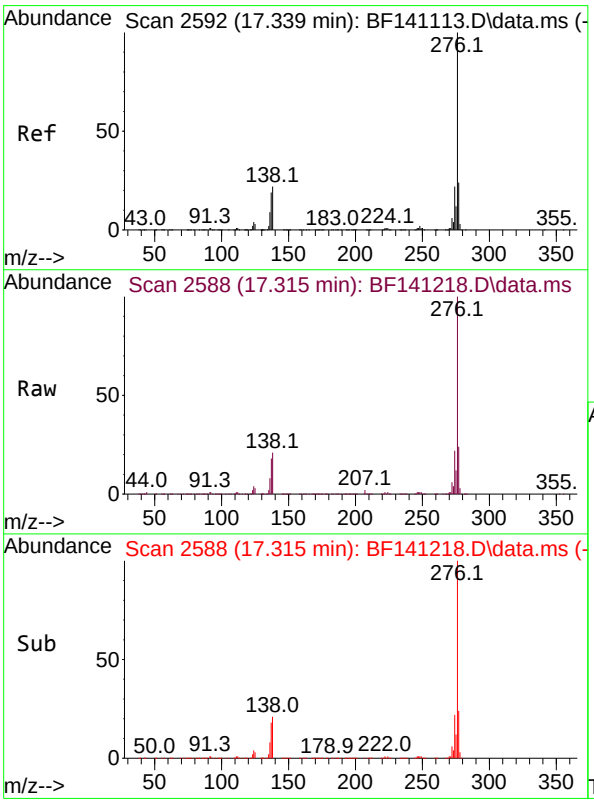
Ion	Ratio	Lower	Upper
278	100		
139	16.0	13.8	20.6
279	23.8	19.1	28.7



Instrument :
BNA_F
ClientSampleId :
PB166117BS

Manual Integrations
APPROVED

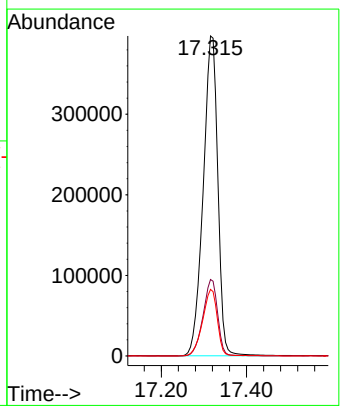
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#92
Benzo(g,h,i)perylene
Concen: 44.881 ng
RT: 17.315 min Scan# 2588
Delta R.T. -0.024 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:276 Resp: 945921

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.0	28.4
138	20.8	17.4	26.2



Raw Data: **BF141219.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB166117BSD	SDG No.:	Q1122
Lab Sample ID:	PB166117BSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141219.D	1	01/17/25 11:40	01/20/25 13:41	PB166117

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	8.20	J	4.00	8.00	10.0	ug/L
108-95-2	Phenol	47.7		0.93	4.00	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	48.2		1.20	4.00	5.00	ug/L
95-57-8	2-Chlorophenol	51.1		0.71	4.00	5.00	ug/L
95-48-7	2-Methylphenol	50.5		1.10	4.00	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	46.7		1.40	4.00	5.00	ug/L
98-86-2	Acetophenone	48.3		1.10	4.00	5.00	ug/L
65794-96-9	3+4-Methylphenols	47.8		1.20	8.00	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	48.4		1.50	2.50	2.50	ug/L
67-72-1	Hexachloroethane	47.8		1.00	4.00	5.00	ug/L
98-95-3	Nitrobenzene	46.1		1.30	4.00	5.00	ug/L
78-59-1	Isophorone	50.4		1.10	4.00	5.00	ug/L
88-75-5	2-Nitrophenol	53.3		2.00	4.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	59.3		1.50	4.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	48.9		1.00	4.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	50.9		0.88	4.00	5.00	ug/L
91-20-3	Naphthalene	48.1		1.00	4.00	5.00	ug/L
106-47-8	4-Chloroaniline	16.8		1.30	4.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	48.5		1.30	4.00	5.00	ug/L
105-60-2	Caprolactam	50.8		1.70	8.00	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	50.9		0.84	4.00	5.00	ug/L
91-57-6	2-Methylnaphthalene	49.6		1.10	4.00	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	190	E	5.00	8.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	52.5		0.89	4.00	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	50.4		1.00	4.00	5.00	ug/L
92-52-4	1,1-Biphenyl	48.9		0.91	4.00	5.00	ug/L
91-58-7	2-Chloronaphthalene	47.6		0.97	4.00	5.00	ug/L
88-74-4	2-Nitroaniline	49.5		1.40	4.00	5.00	ug/L
131-11-3	Dimethylphthalate	50.3		0.93	4.00	5.00	ug/L

Raw Data: **BF141219.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB166117BSD	SDG No.:	Q1122
Lab Sample ID:	PB166117BSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141219.D	1	01/17/25 11:40	01/20/25 13:41	PB166117

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	52.1		1.00	4.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	48.7		1.20	4.00	5.00	ug/L
99-09-2	3-Nitroaniline	29.4		1.40	4.00	5.00	ug/L
83-32-9	Acenaphthene	55.9		0.81	4.00	5.00	ug/L
51-28-5	2,4-Dinitrophenol	120	E	6.40	8.00	10.0	ug/L
100-02-7	4-Nitrophenol	100	E	2.00	8.00	10.0	ug/L
132-64-9	Dibenzofuran	49.6		0.93	4.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	51.7		1.50	4.00	5.00	ug/L
84-66-2	Diethylphthalate	49.8		1.00	4.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	49.4		0.98	4.00	5.00	ug/L
86-73-7	Fluorene	49.3		0.96	4.00	5.00	ug/L
100-01-6	4-Nitroaniline	51.2		2.00	4.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	60.8		3.10	8.00	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	50.2		0.89	4.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	51.2		0.95	4.00	5.00	ug/L
118-74-1	Hexachlorobenzene	51.6		1.10	4.00	5.00	ug/L
1912-24-9	Atrazine	63.9		1.30	4.00	5.00	ug/L
87-86-5	Pentachlorophenol	100	E	1.90	8.00	10.0	ug/L
85-01-8	Phenanthrene	51.6		0.89	4.00	5.00	ug/L
120-12-7	Anthracene	54.1		1.10	4.00	5.00	ug/L
86-74-8	Carbazole	51.7		1.20	4.00	5.00	ug/L
84-74-2	Di-n-butylphthalate	51.5		1.50	4.00	5.00	ug/L
206-44-0	Fluoranthene	53.3		1.30	4.00	5.00	ug/L
129-00-0	Pyrene	48.0		1.10	4.00	5.00	ug/L
85-68-7	Butylbenzylphthalate	54.8		2.10	4.00	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	29.2		1.30	8.00	10.0	ug/L
56-55-3	Benzo(a)anthracene	48.7		0.94	4.00	5.00	ug/L
218-01-9	Chrysene	49.8		0.86	4.00	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	55.1		1.90	4.00	5.00	ug/L
117-84-0	Di-n-octyl phthalate	52.2		2.50	8.00	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	48.8		1.10	4.00	5.00	ug/L

Raw Data: **BF141219.D**

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB166117BSD	SDG No.:	Q1122
Lab Sample ID:	PB166117BSD	Matrix:	Water
Analytical Method:	SW8270	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3510C		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141219.D	1	01/17/25 11:40	01/20/25 13:41	PB166117

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	56.1		1.20	4.00	5.00	ug/L
50-32-8	Benzo(a)pyrene	55.5		1.70	4.00	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	51.3		1.00	4.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	50.8		1.20	4.00	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	45.8		1.20	4.00	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	50.2		1.10	4.00	5.00	ug/L
123-91-1	1,4-Dioxane	40.5		1.30	4.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	53.4		0.79	4.00	5.00	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	134		19 - 119		90%	SPK: 150
13127-88-3	Phenol-d6	135		10 - 130		90%	SPK: 150
4165-60-0	Nitrobenzene-d5	96.2		44 - 120		96%	SPK: 100
321-60-8	2-Fluorobiphenyl	96.2		44 - 119		96%	SPK: 100
118-79-6	2,4,6-Tribromophenol	160		43 - 140		106%	SPK: 150
1718-51-0	Terphenyl-d14	99.3		50 - 134		99%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	162000	6.81				
1146-65-2	Naphthalene-d8	634000	8.092				
15067-26-2	Acenaphthene-d10	339000	9.845				
1517-22-2	Phenanthrene-d10	583000	11.333				
1719-03-5	Chrysene-d12	370000	13.974				
1520-96-3	Perylene-d12	328000	15.427				

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: **BF141219.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141219.D
Acq On : 20 Jan 2025 13:41
Operator : RC/JU
Sample : PB166117BSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 20 14:32:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.810	152	161581	20.000	ng		-0.01
21) Naphthalene-d8	8.092	136	633827	20.000	ng		-0.01
39) Acenaphthene-d10	9.845	164	339384	20.000	ng		-0.02
64) Phenanthrene-d10	11.333	188	582564	20.000	ng		-0.01
76) Chrysene-d12	13.974	240	369711	20.000	ng		-0.01
86) Perylene-d12	15.427	264	327689	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.434	112	1405132	134.338	ng		0.00
7) Phenol-d6	6.445	99	1785636	134.772	ng		0.00
23) Nitrobenzene-d5	7.375	82	1150474	96.217	ng		-0.01
42) 2,4,6-Tribromophenol	10.639	330	617755	159.748	ng		-0.01
45) 2-Fluorobiphenyl	9.169	172	2137782	96.189	ng		-0.01
79) Terphenyl-d14	12.921	244	2470572	99.321	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.628	88	188643	40.500	ng		98
3) Pyridine	3.357	79	474916	41.578	ng		96
4) n-Nitrosodimethylamine	3.310	42	256046	45.846	ng		95
6) Aniline	6.475	93	476816	40.534	ng	#	90
8) 2-Chlorophenol	6.598	128	573442	51.100	ng		97
9) Benzaldehyde	6.357	77	64159	8.222	ng		98
10) Phenol	6.457	94	677100	47.740	ng		90
11) bis(2-Chloroethyl)ether	6.551	93	509111	48.167	ng		97
12) 1,3-Dichlorobenzene	6.751	146	579660	46.314	ng		99
13) 1,4-Dichlorobenzene	6.828	146	595351	47.204	ng		100
14) 1,2-Dichlorobenzene	6.981	146	565440	48.062	ng		98
15) Benzyl Alcohol	6.957	79	491022	51.317	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.086	45	689172	46.725	ng		94
17) 2-Methylphenol	7.069	107	457615	50.510	ng		97
18) Hexachloroethane	7.322	117	218197	47.840	ng		98
19) n-Nitroso-di-n-propyla...	7.228	70	377769	48.403	ng		97
20) 3+4-Methylphenols	7.222	107	545954	47.765	ng	#	80
22) Acetophenone	7.222	105	727372	48.274	ng	#	95
24) Nitrobenzene	7.392	77	574678	46.115	ng		100
25) Isophorone	7.634	82	1030128	50.412	ng		99
26) 2-Nitrophenol	7.710	139	302338	53.335	ng		99
27) 2,4-Dimethylphenol	7.745	122	453311	59.285	ng		98
28) bis(2-Chloroethoxy)met...	7.845	93	627357	48.920	ng		100
29) 2,4-Dichlorophenol	7.951	162	462125	50.888	ng		100
30) 1,2,4-Trichlorobenzene	8.033	180	492811	47.476	ng		100
31) Naphthalene	8.116	128	1609272	48.145	ng		100
32) Benzoic acid	7.869	122	375125	51.143	ng		96
33) 4-Chloroaniline	8.163	127	193999	16.782	ng		99
34) Hexachlorobutadiene	8.233	225	303323	48.496	ng		99
35) Caprolactam	8.533	113	151032m	50.799	ng		
36) 4-Chloro-3-methylphenol	8.645	107	505923	50.940	ng		99
37) 2-Methylnaphthalene	8.804	142	1057471	49.647	ng		99
38) 1-Methylnaphthalene	8.904	142	980871	46.727	ng		100
40) 1,2,4,5-Tetrachloroben...	8.969	216	488519	50.151	ng		99
41) Hexachlorocyclopentadiene	8.957	237	602613	189.090	ng		99
43) 2,4,6-Trichlorophenol	9.080	196	345034	52.519	ng		98

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141219.D
Acq On : 20 Jan 2025 13:41
Operator : RC/JU
Sample : PB166117BSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jan 20 14:32:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.128	196	349371	50.353	ng	98
46) 1,1'-Biphenyl	9.269	154	1289480	48.924	ng	99
47) 2-Chloronaphthalene	9.292	162	977375	47.611	ng	100
48) 2-Nitroaniline	9.386	65	301187	49.494	ng	99
49) Acenaphthylene	9.710	152	1529336	52.144	ng	100
50) Dimethylphthalate	9.575	163	1147172	50.349	ng	100
51) 2,6-Dinitrotoluene	9.633	165	258267	48.745	ng	98
52) Acenaphthene	9.880	154	1146231	55.939	ng	100
53) 3-Nitroaniline	9.798	138	158420	29.423	ng	98
54) 2,4-Dinitrophenol	9.910	184	312413	124.051	ng	95
55) Dibenzofuran	10.057	168	1383773	49.648	ng	100
56) 4-Nitrophenol	9.963	139	428885	101.709	ng	95
57) 2,4-Dinitrotoluene	10.039	165	352735	51.659	ng	97
58) Fluorene	10.398	166	1068273	49.335	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.169	232	308042	53.412	ng	98
60) Diethylphthalate	10.275	149	1107152	49.775	ng	99
61) 4-Chlorophenyl-phenyle...	10.386	204	521088	49.376	ng	97
62) 4-Nitroaniline	10.416	138	269551	51.150	ng	98
63) Azobenzene	10.551	77	1071575	48.824	ng	99
65) 4,6-Dinitro-2-methylph...	10.445	198	205269	60.806	ng	97
66) n-Nitrosodiphenylamine	10.510	169	944135	50.246	ng	99
67) 4-Bromophenyl-phenylether	10.880	248	343255	51.178	ng	99
68) Hexachlorobenzene	10.945	284	384926	51.556	ng	97
69) Atrazine	11.039	200	323244	63.889	ng	99
70) Pentachlorophenol	11.139	266	484924	101.419	ng	99
71) Phenanthrene	11.357	178	1613241	51.581	ng	100
72) Anthracene	11.410	178	1644084	54.062	ng	100
73) Carbazole	11.563	167	1441828	51.706	ng	100
74) Di-n-butylphthalate	11.898	149	1644597	51.535	ng	100
75) Fluoranthene	12.545	202	1664799	53.341	ng	99
77) Benzidine	12.668	184	413432	60.302	ng	100
78) Pyrene	12.774	202	1696152	48.033	ng	100
80) Butylbenzylphthalate	13.398	149	645425	54.821	ng	97
81) Benzo(a)anthracene	13.963	228	1226022	48.727	ng	99
82) 3,3'-Dichlorobenzidine	13.927	252	234111	29.221	ng	98
83) Chrysene	13.998	228	1173460	49.843	ng	99
84) Bis(2-ethylhexyl)phtha...	13.957	149	778945	55.141	ng	100
85) Di-n-octyl phthalate	14.574	149	1114477	52.245	ng	97
87) Indeno(1,2,3-cd)pyrene	16.880	276	1231486	51.296	ng	98
88) Benzo(b)fluoranthene	15.009	252	1031329	48.808	ng	100
89) Benzo(k)fluoranthene	15.039	252	1000935	56.053	ng	99
90) Benzo(a)pyrene	15.368	252	968156	55.533	ng	100
91) Dibenzo(a,h)anthracene	16.898	278	987145	50.838	ng	98
92) Benzo(g,h,i)perylene	17.315	276	925984	45.848	ng	99

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

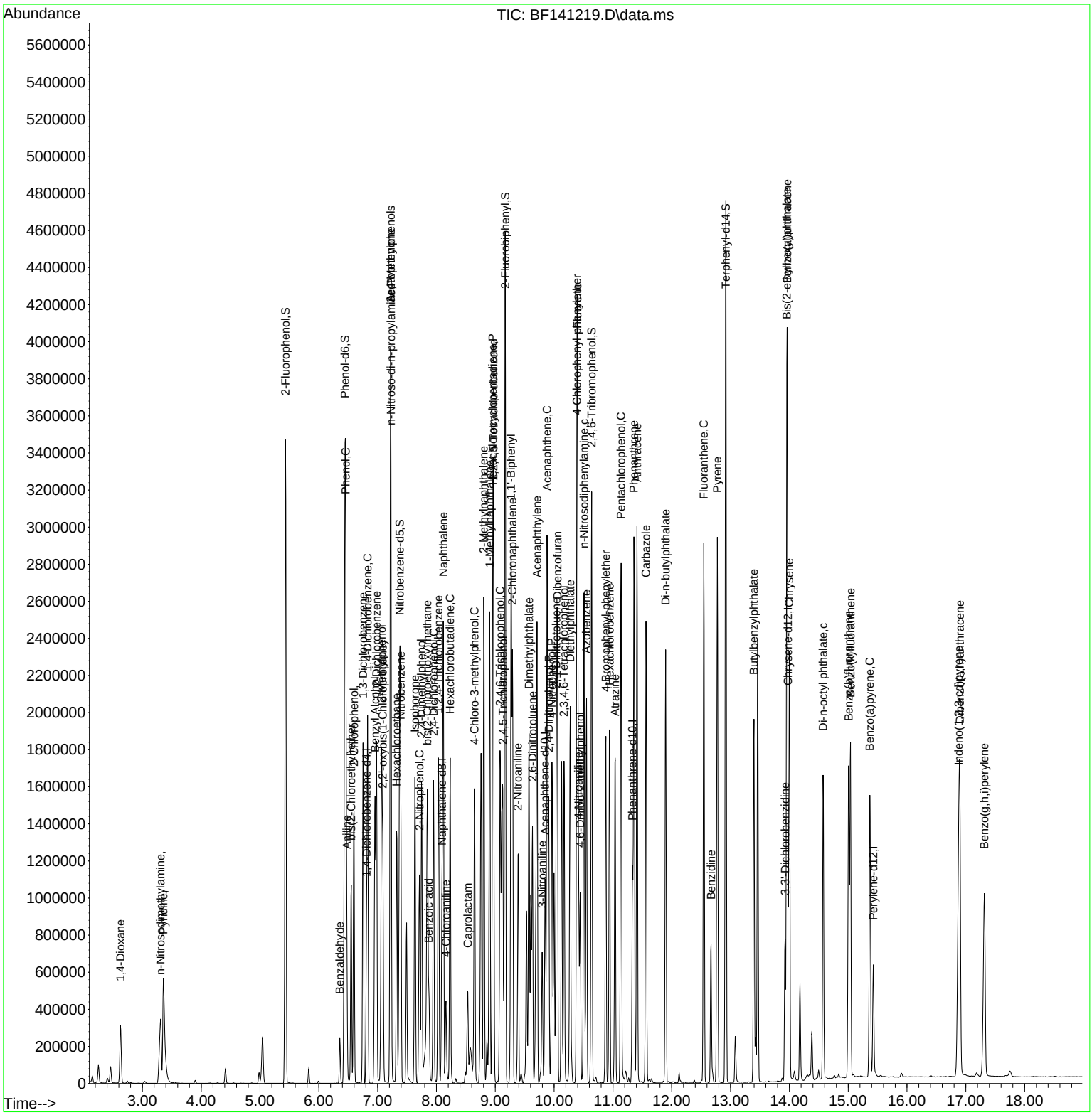
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Data File : BF141219.D
Acq On : 20 Jan 2025 13:41
Operator : RC/JU
Sample : PB166117BSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

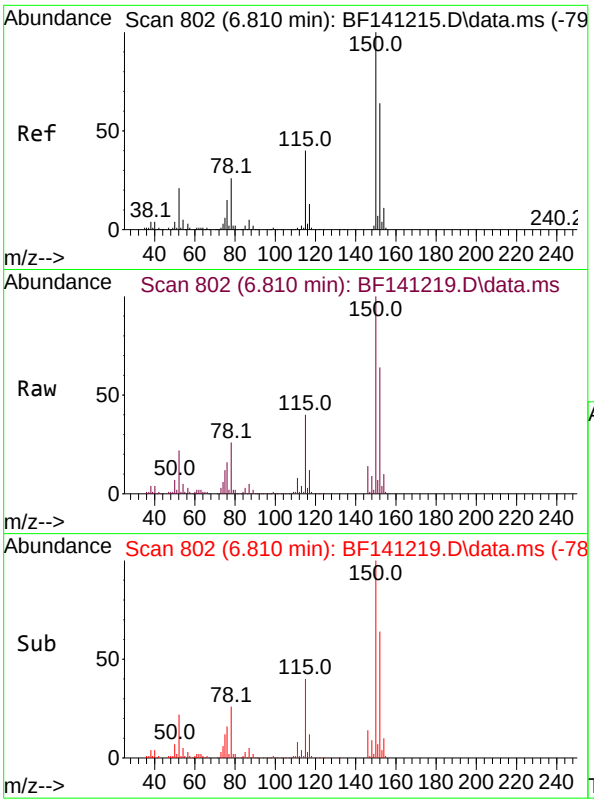
Quant Time: Jan 20 14:32:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Manual Integrations APPROVED

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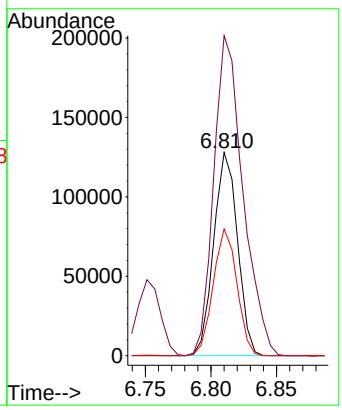




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:152 Resp: 16158

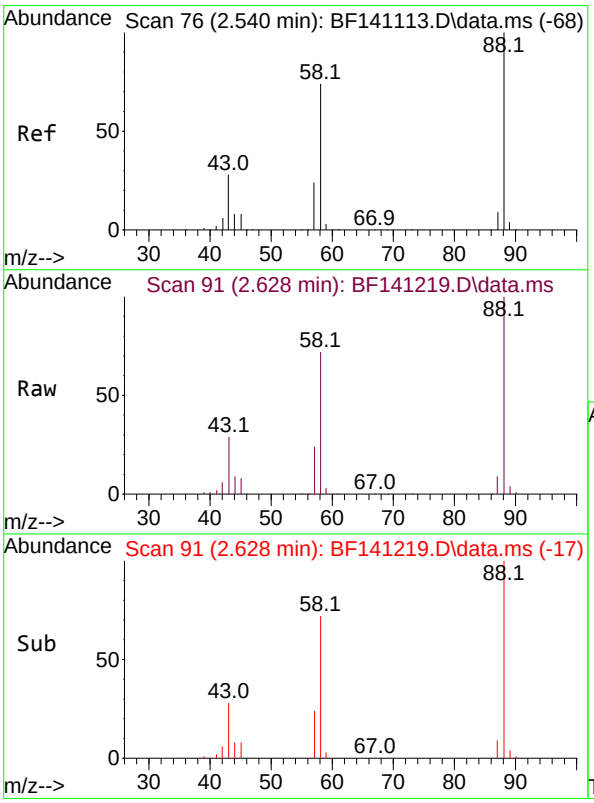
Ion	Ratio	Lower	Upper
152	100		
150	157.4	125.8	188.8
115	62.4	51.4	77.2



Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Manual Integrations
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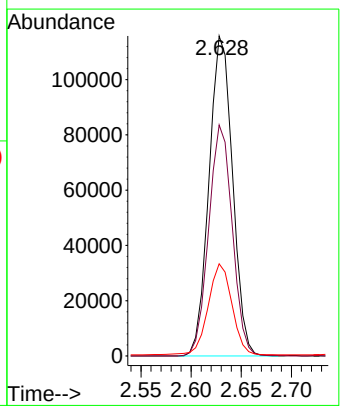
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

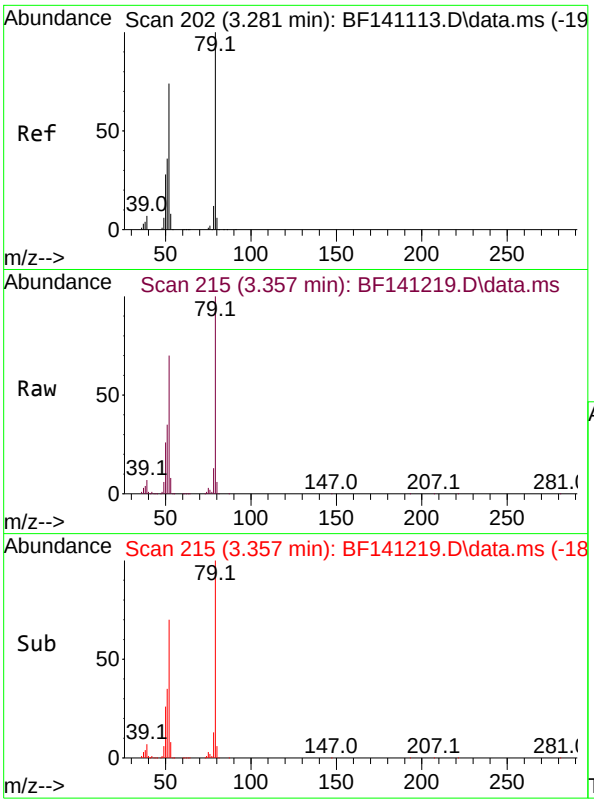


#2
1,4-Dioxane
Concen: 40.500 ng
RT: 2.628 min Scan# 91
Delta R.T. 0.088 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion: 88 Resp: 188643

Ion	Ratio	Lower	Upper
88	100		
58	72.5	60.1	90.1
43	28.9	23.1	34.7

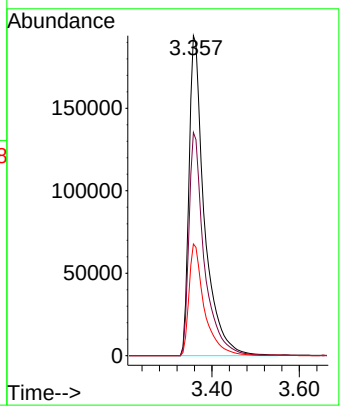




#3
Pyridine
Concen: 41.578 ng
RT: 3.357 min Scan# 2
Delta R.T. 0.076 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion: 79 Resp: 47491

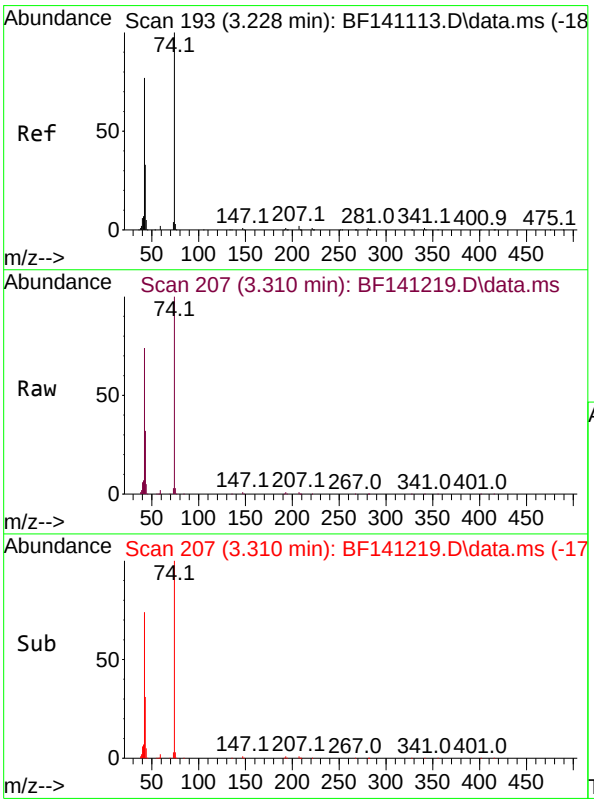
Ion	Ratio	Lower	Upper
79	100		
52	69.8	58.9	88.3
51	34.9	29.1	43.7



Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Manual Integrations
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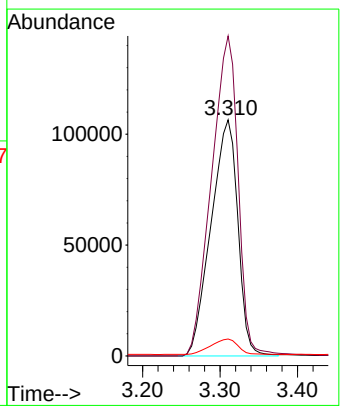
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

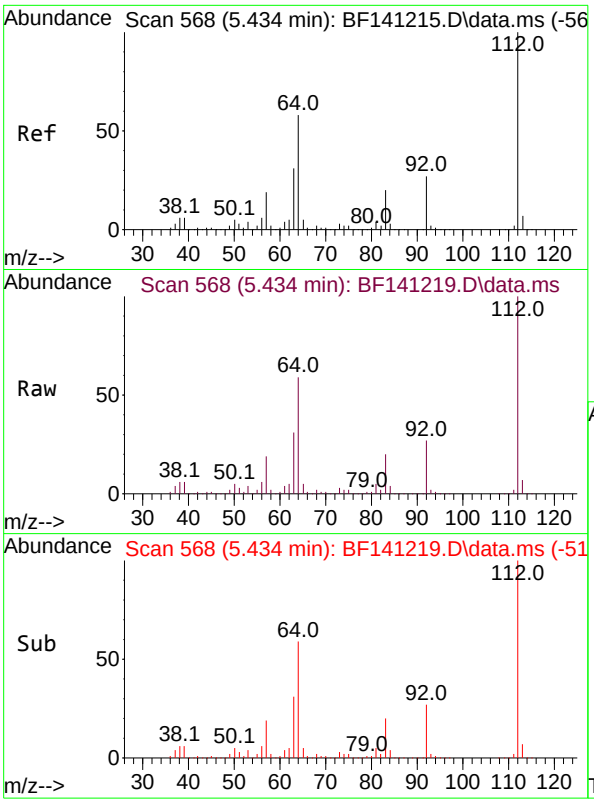


#4
n-Nitrosodimethylamine
Concen: 45.846 ng
RT: 3.310 min Scan# 207
Delta R.T. 0.082 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion: 42 Resp: 256046

Ion	Ratio	Lower	Upper
42	100		
74	135.5	103.8	155.6
44	7.2	5.3	7.9





#5
2-Fluorophenol
Concen: 134.338 ng
RT: 5.434 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

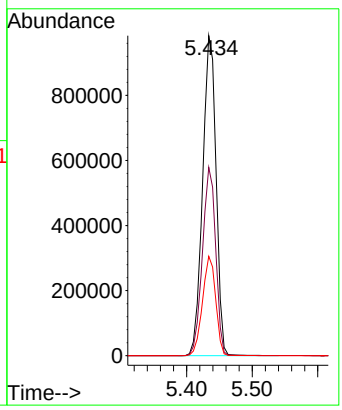
Tgt Ion:112 Resp: 140513

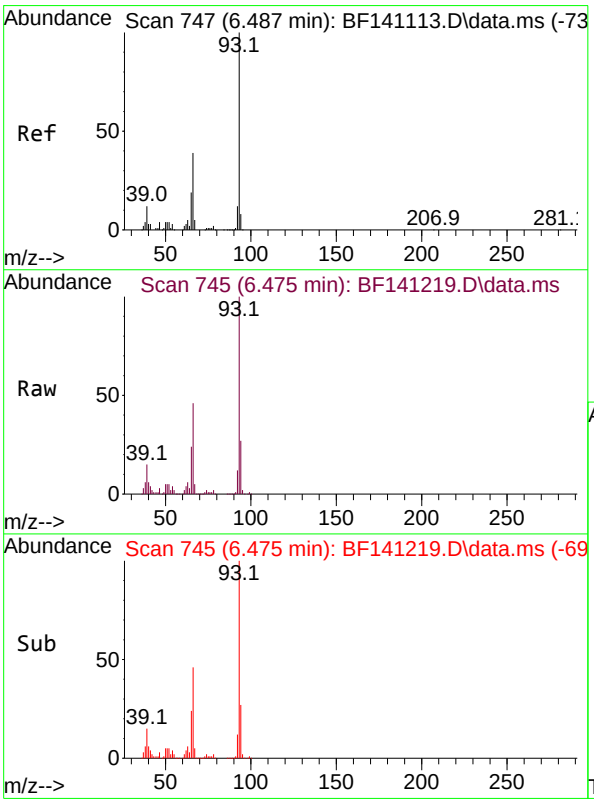
Ion	Ratio	Lower	Upper
112	100		
64	58.9	47.3	70.9
63	31.1	24.2	36.2

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Manual Integrations
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Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

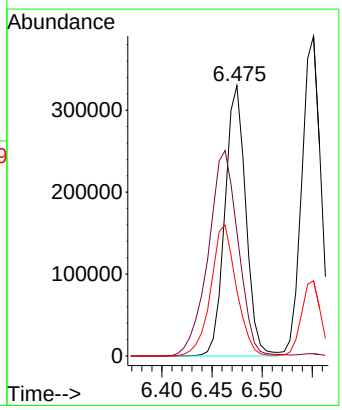


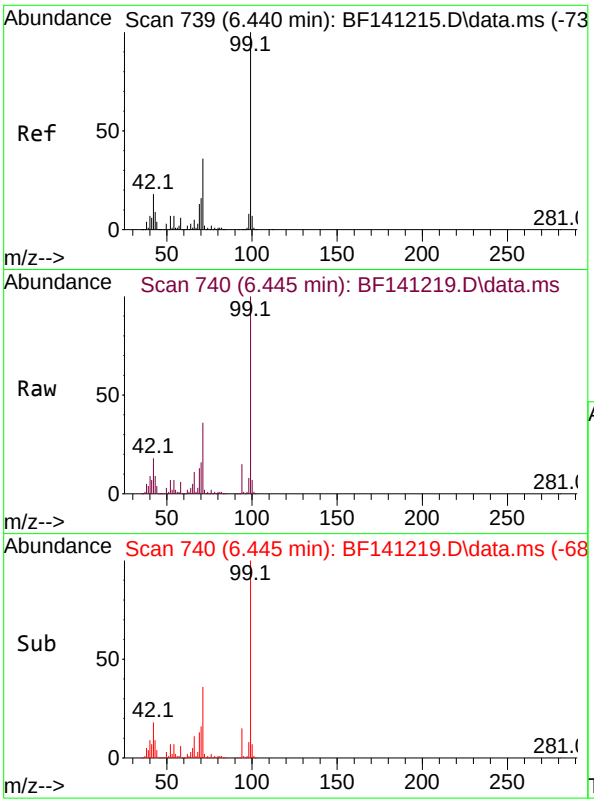


#6
Aniline
Concen: 40.534 ng
RT: 6.475 min Scan# 745
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion: 93 Resp: 476816

Ion	Ratio	Lower	Upper
93	100		
66	45.7	31.5	47.3
65	24.0	15.3	22.9#

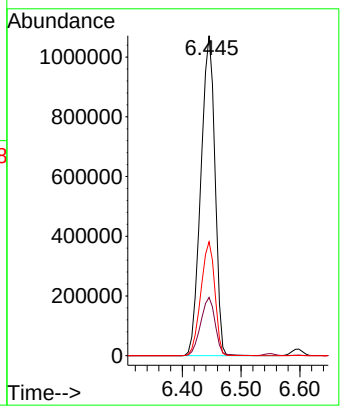




#7
Phenol-d6
Concen: 134.772 ng
RT: 6.445 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion: 99 Resp: 178563

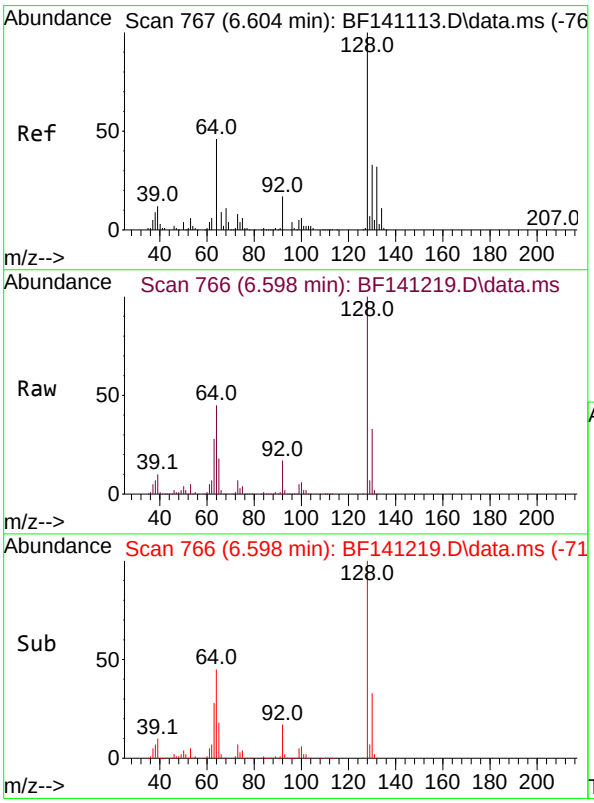
Ion	Ratio	Lower	Upper
99	100		
42	18.2	15.0	22.4
71	35.6	27.6	41.4



Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Manual Integrations
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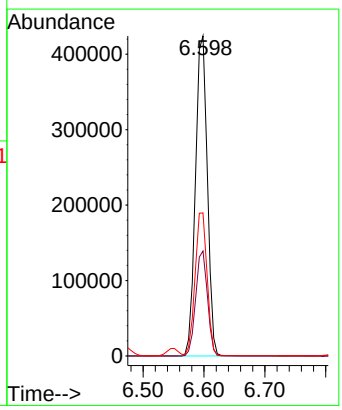
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

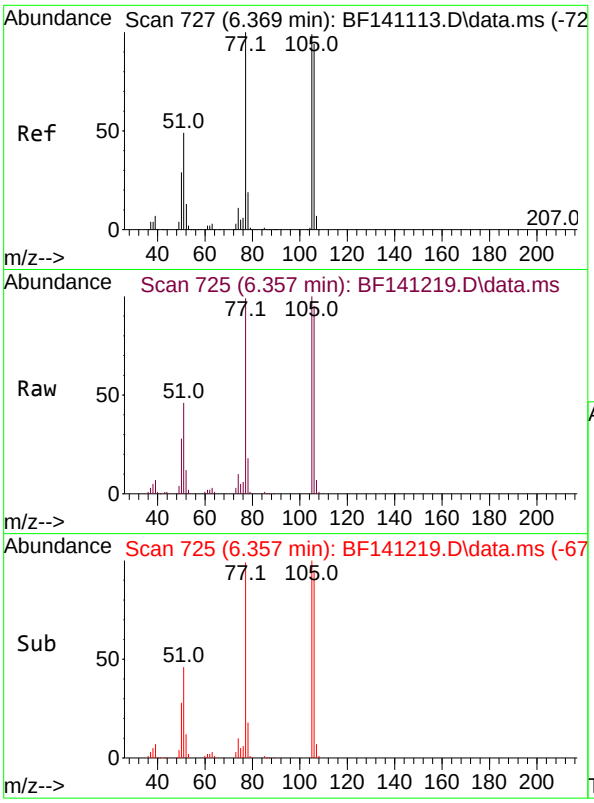


#8
2-Chlorophenol
Concen: 51.100 ng
RT: 6.598 min Scan# 766
Delta R.T. -0.006 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:128 Resp: 573442

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.5	52.5
64	44.7	28.3	68.3

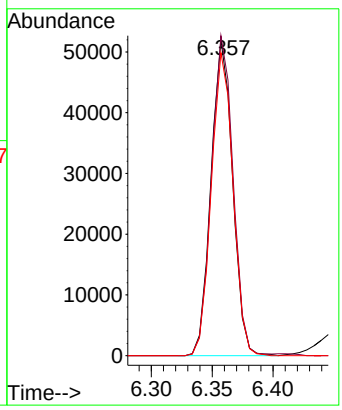




#9
Benzaldehyde
Concen: 8.222 ng
RT: 6.357 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion: 77 Resp: 6415

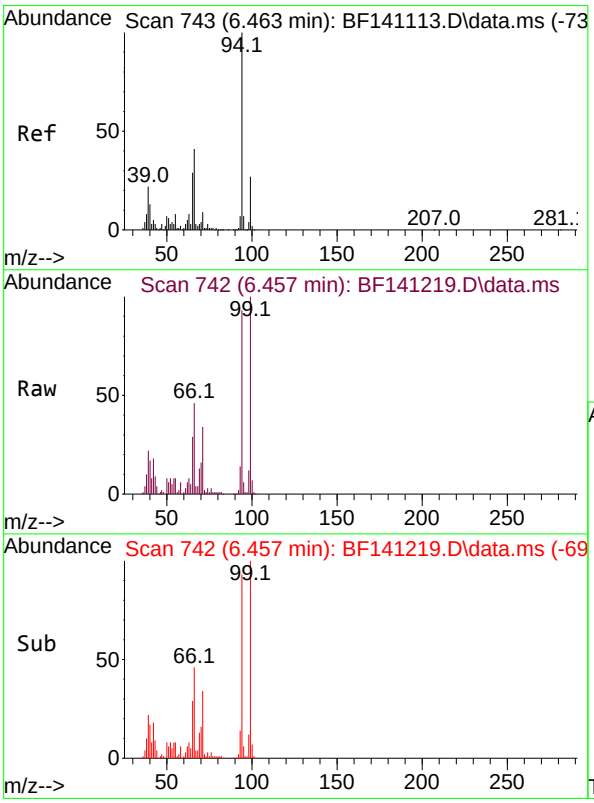
Ion	Ratio	Lower	Upper
77	100		
105	101.3	78.9	118.9
106	96.0	73.6	113.6



Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Manual Integrations
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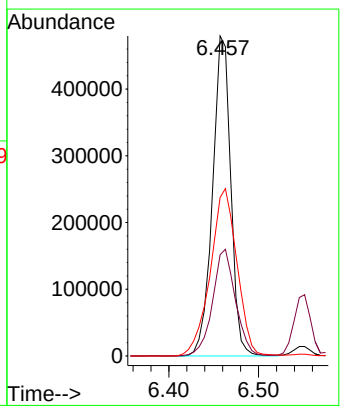
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

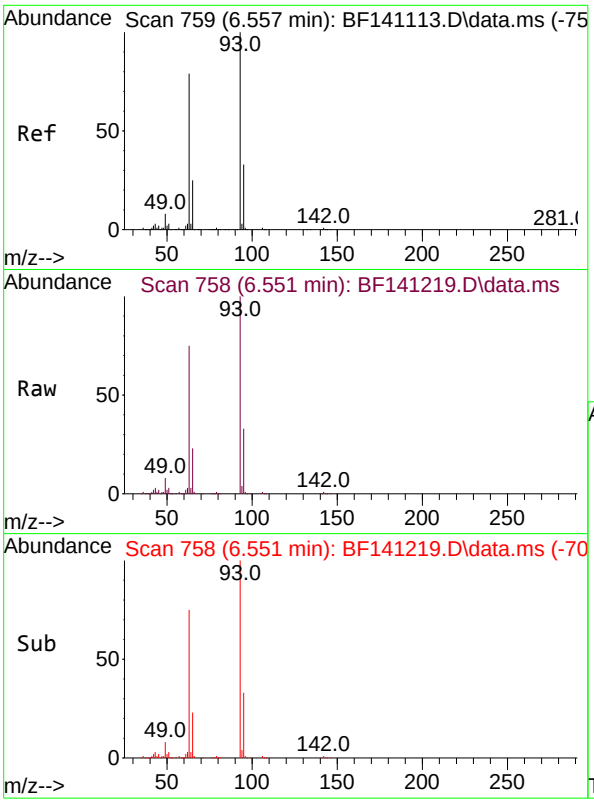


#10
Phenol
Concen: 47.740 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion: 94 Resp: 677100

Ion	Ratio	Lower	Upper
94	100		
65	31.6	8.9	48.9
66	49.6	21.2	61.2

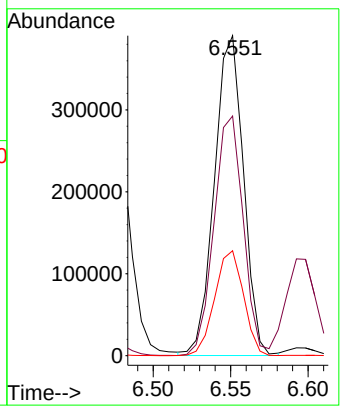




#11
bis(2-Chloroethyl)ether
Concen: 48.167 ng
RT: 6.551 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion: 93 Resp: 50911

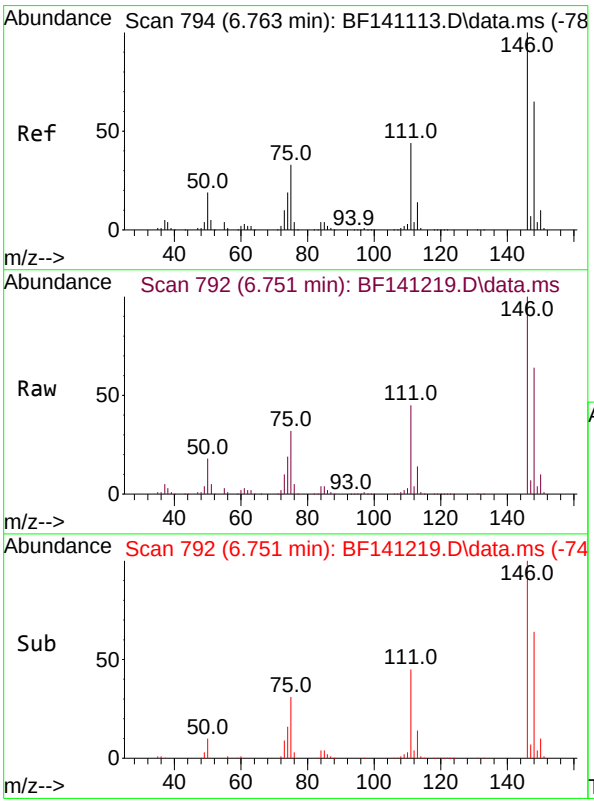
Ion	Ratio	Lower	Upper
93	100		
63	74.9	58.0	98.0
95	32.8	12.5	52.5



Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Manual Integrations
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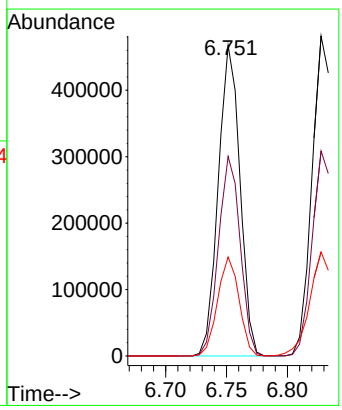
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

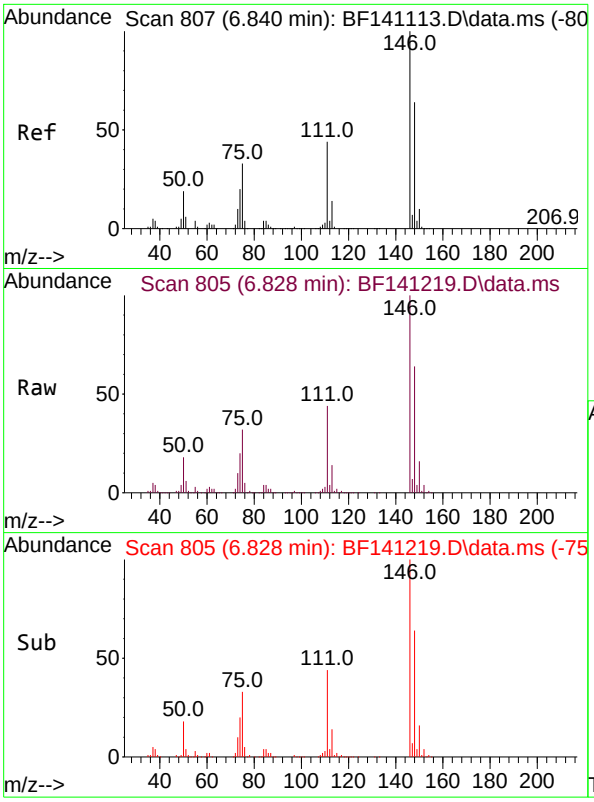


#12
1,3-Dichlorobenzene
Concen: 46.314 ng
RT: 6.751 min Scan# 792
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:146 Resp: 579660

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.6	77.4
75	31.9	26.2	39.2

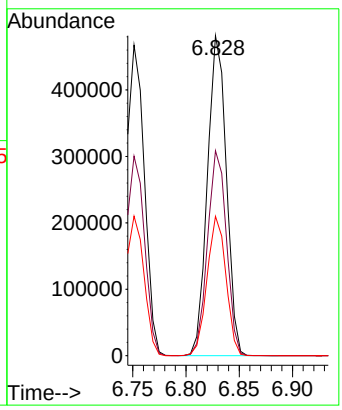




#13
1,4-Dichlorobenzene
Concen: 47.204 ng
RT: 6.828 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:146 Resp: 59535

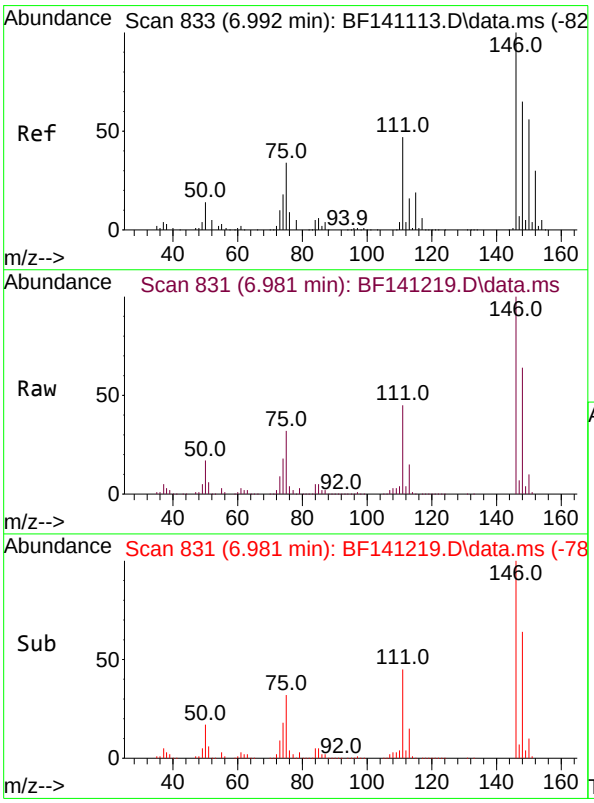
Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.0	76.6
111	43.5	34.9	52.3



Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Manual Integrations
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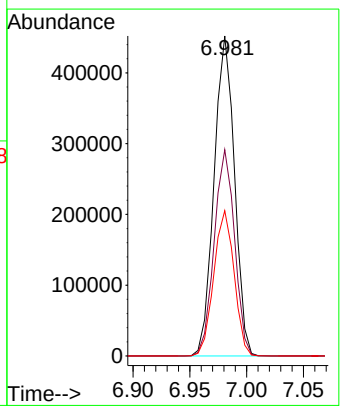
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

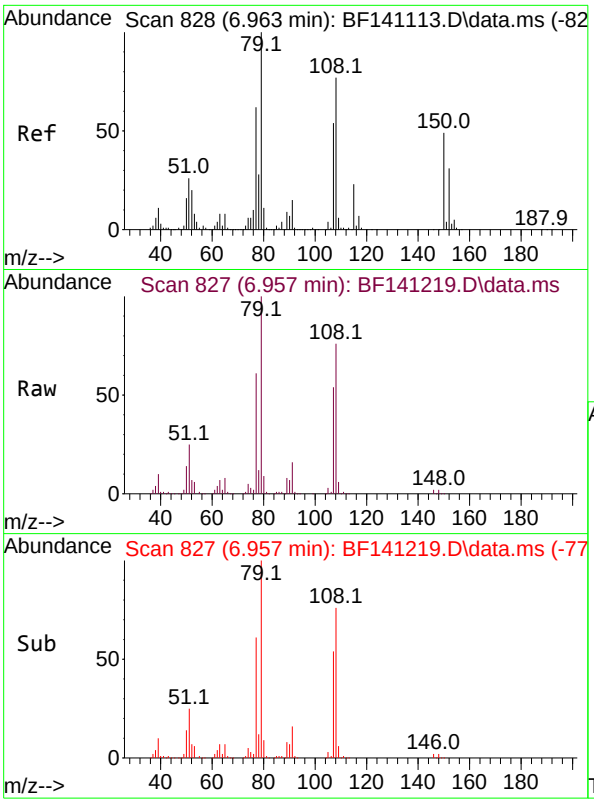


#14
1,2-Dichlorobenzene
Concen: 48.062 ng
RT: 6.981 min Scan# 831
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:146 Resp: 565440

Ion	Ratio	Lower	Upper
146	100		
148	64.5	52.2	78.4
111	45.4	37.5	56.3





#15
Benzyl Alcohol
Concen: 51.317 ng
RT: 6.957 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

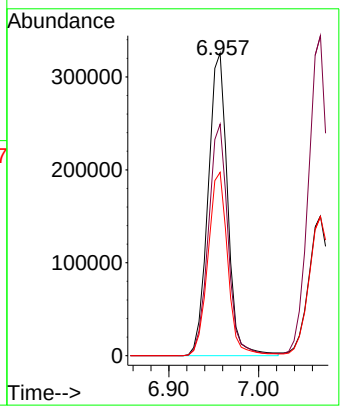
Tgt Ion: 79 Resp: 49102

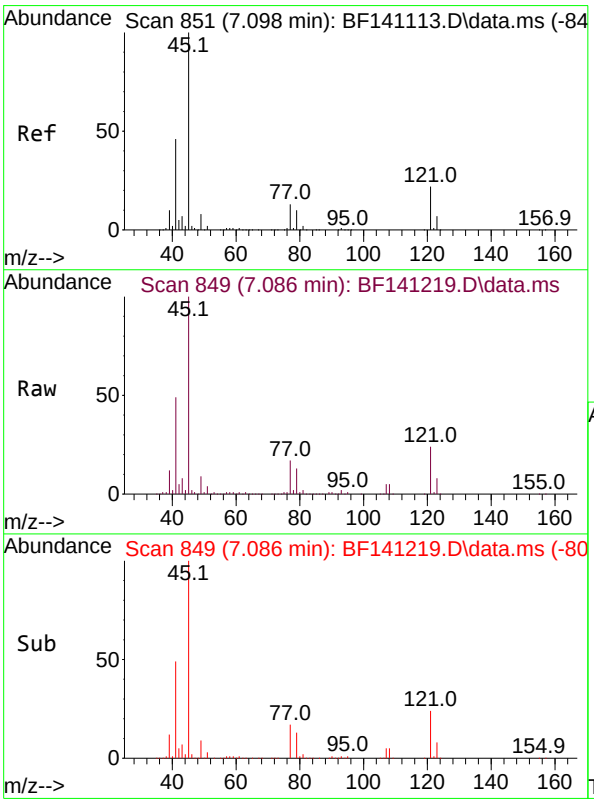
Ion	Ratio	Lower	Upper
79	100		
108	76.5	61.4	92.0
77	60.6	49.8	74.6

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

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Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

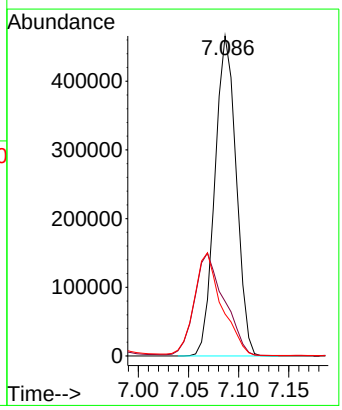


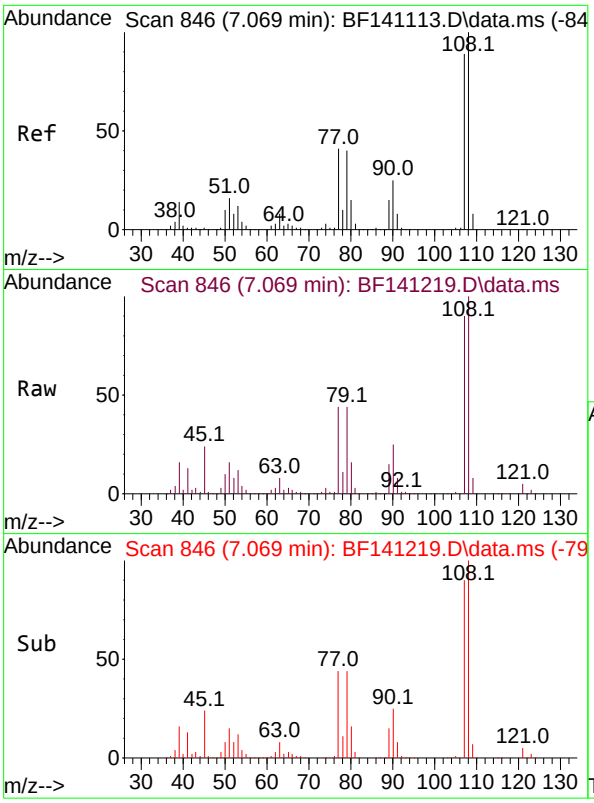


#16
2,2'-oxybis(1-Chloropropane)
Concen: 46.725 ng
RT: 7.086 min Scan# 849
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion: 45 Resp: 689172

Ion	Ratio	Lower	Upper
45	100		
77	17.0	0.0	34.1
79	13.1	0.0	31.0

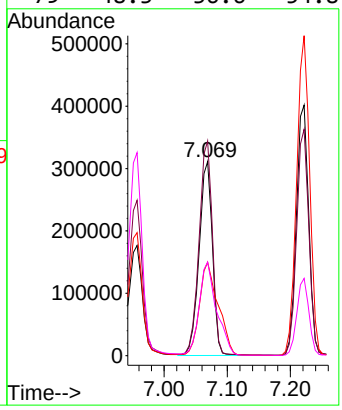




#17
2-Methylphenol
Concen: 50.510 ng
RT: 7.069 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:107 Resp: 45761

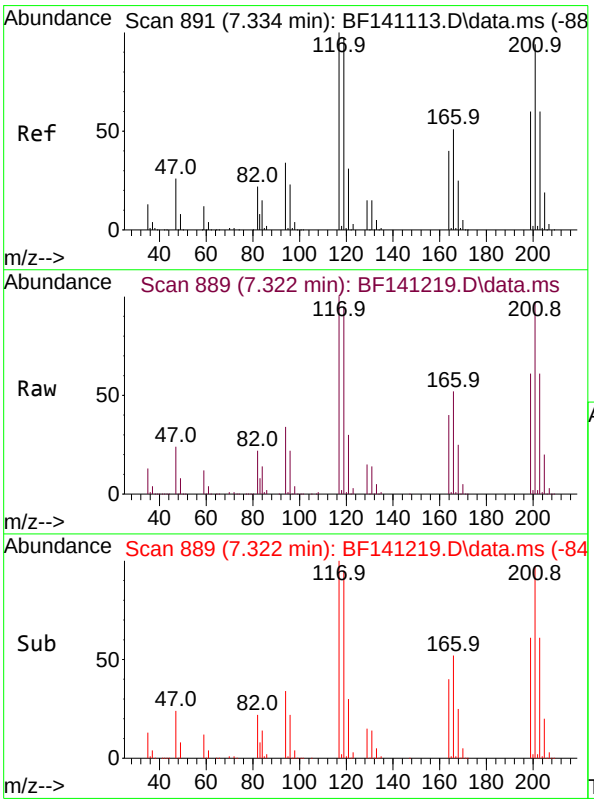
Ion	Ratio	Lower	Upper
107	100		
108	110.7	90.1	135.1
77	48.2	36.6	55.0
79	48.3	36.6	54.8



Instrument :
BNA_F
ClientSampleId :
PB166117BSD

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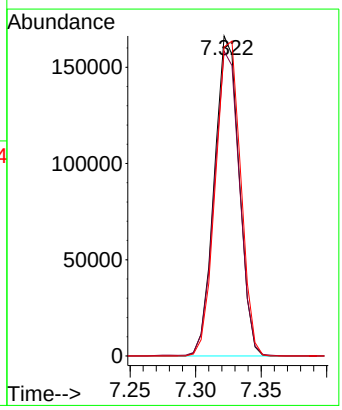
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

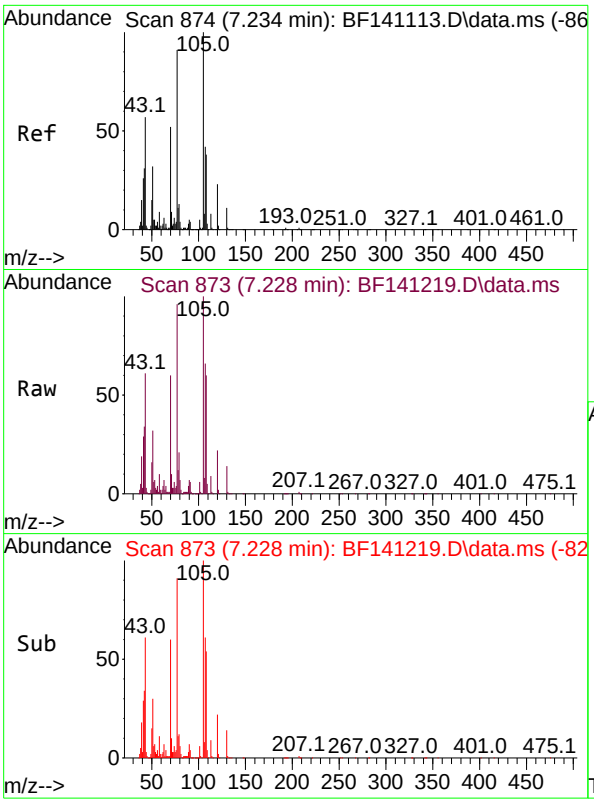


#18
Hexachloroethane
Concen: 47.840 ng
RT: 7.322 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:117 Resp: 218197

Ion	Ratio	Lower	Upper
117	100		
119	95.2	77.6	116.4
201	96.5	75.1	112.7

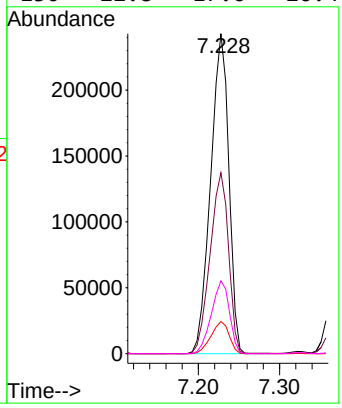




#19
n-Nitroso-di-n-propylamine
Concen: 48.403 ng
RT: 7.228 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion: 70 Resp: 37776

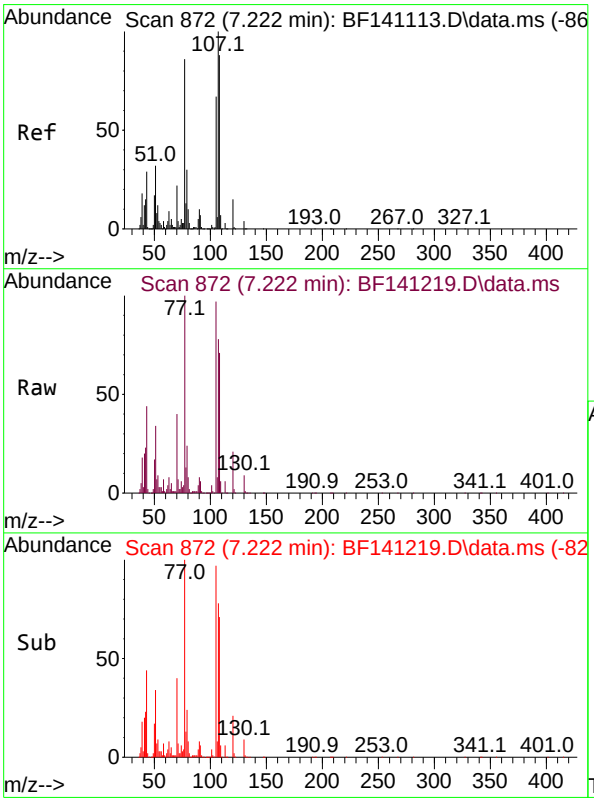
Ion	Ratio	Lower	Upper
70	100		
42	56.6	47.8	71.6
101	10.0	7.9	11.9
130	22.8	17.6	26.4



Instrument :
BNA_F
ClientSampleId :
PB166117BSD

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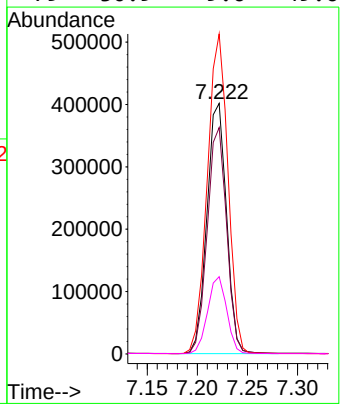
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

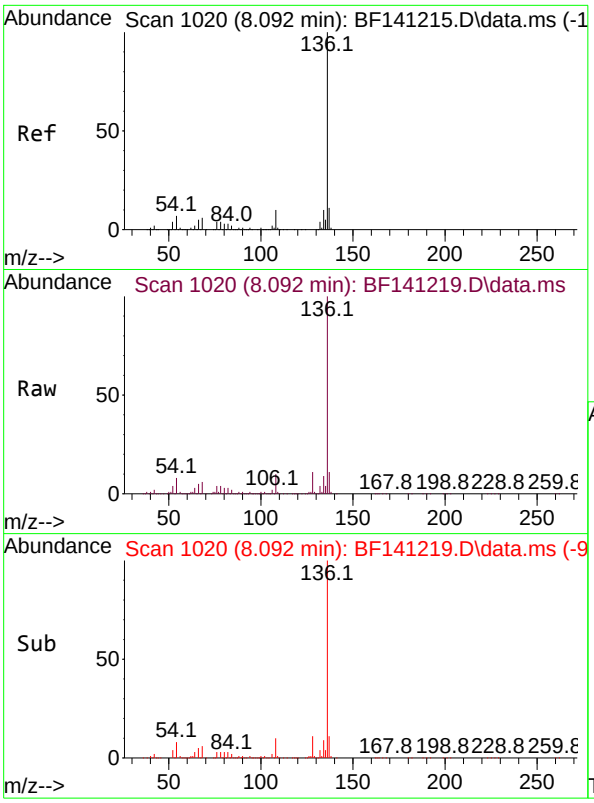


#20
3+4-Methylphenols
Concen: 47.765 ng
RT: 7.222 min Scan# 872
Delta R.T. -0.000 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:107 Resp: 545954

Ion	Ratio	Lower	Upper
107	100		
108	90.3	68.3	108.3
77	127.7	66.4	106.4#
79	30.9	9.6	49.6

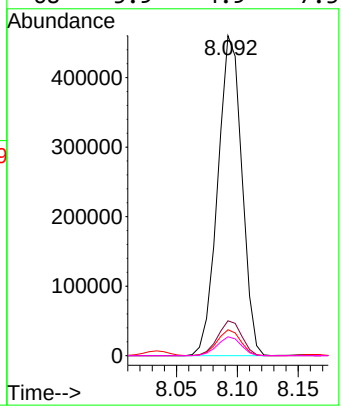




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:136 Resp: 63382

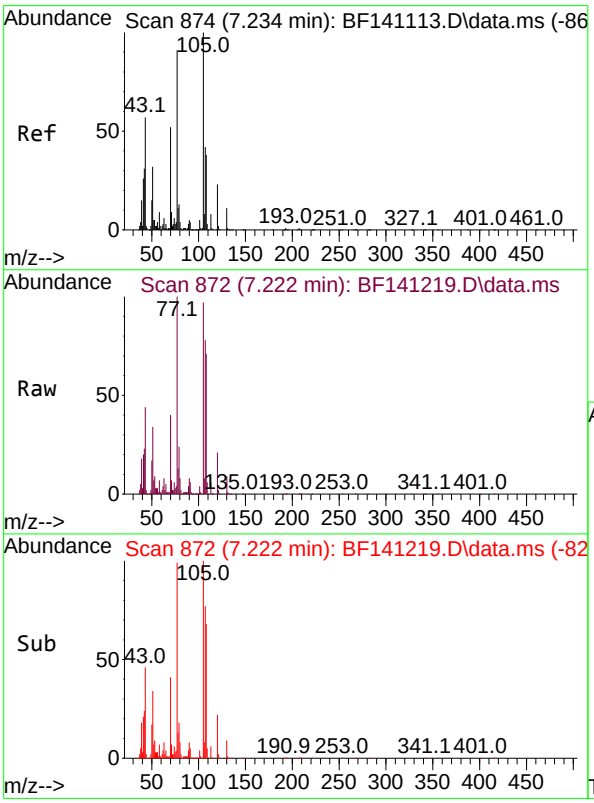
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	8.1	6.3	9.5
68	5.9	4.9	7.3



Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Manual Integrations
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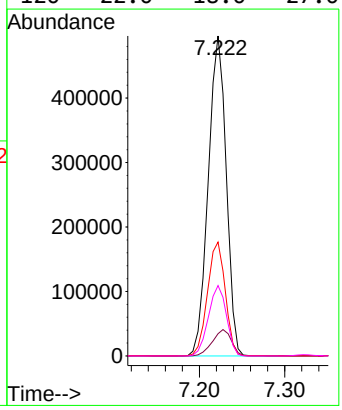
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

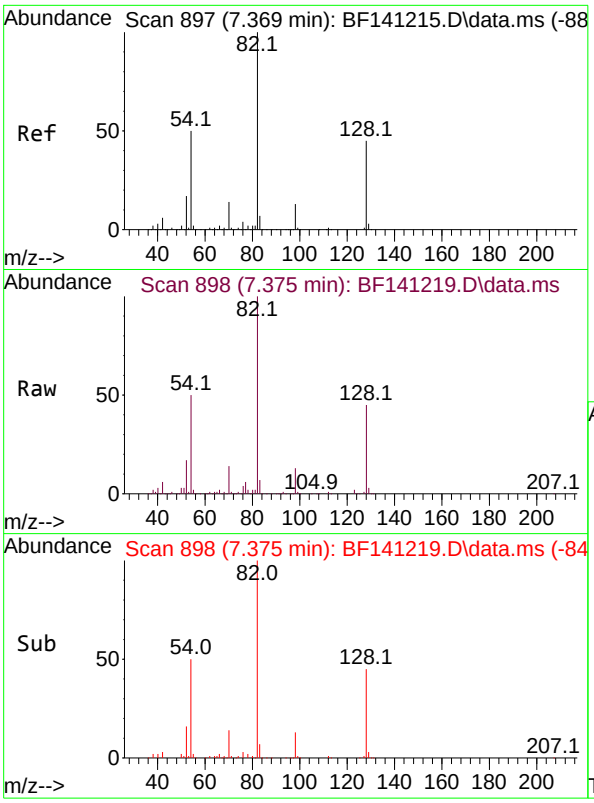


#22
Acetophenone
Concen: 48.274 ng
RT: 7.222 min Scan# 872
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:105 Resp: 727372

Ion	Ratio	Lower	Upper
105	100		
71	7.0	7.1	10.7#
51	35.6	25.4	38.2
120	22.0	18.0	27.0





#23
Nitrobenzene-d5
Concen: 96.217 ng
RT: 7.375 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

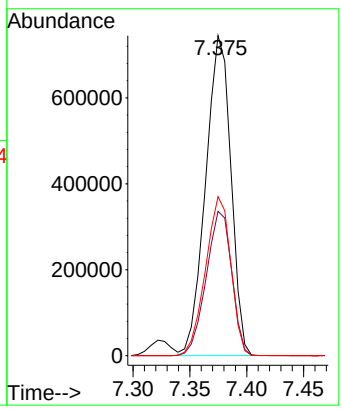
Tgt Ion: 82 Resp: 115047

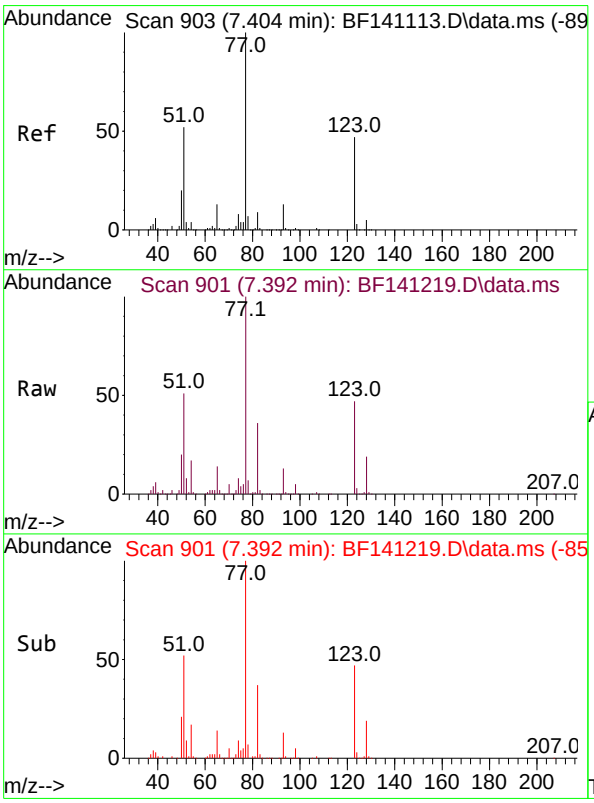
Ion	Ratio	Lower	Upper
82	100		
128	45.1	36.1	54.1
54	49.7	41.0	61.4

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

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Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

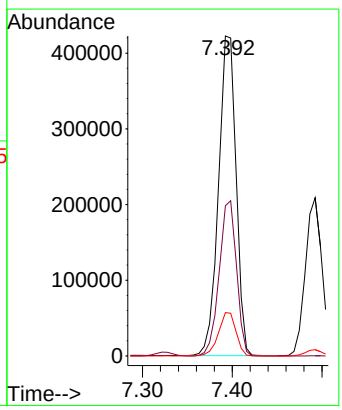


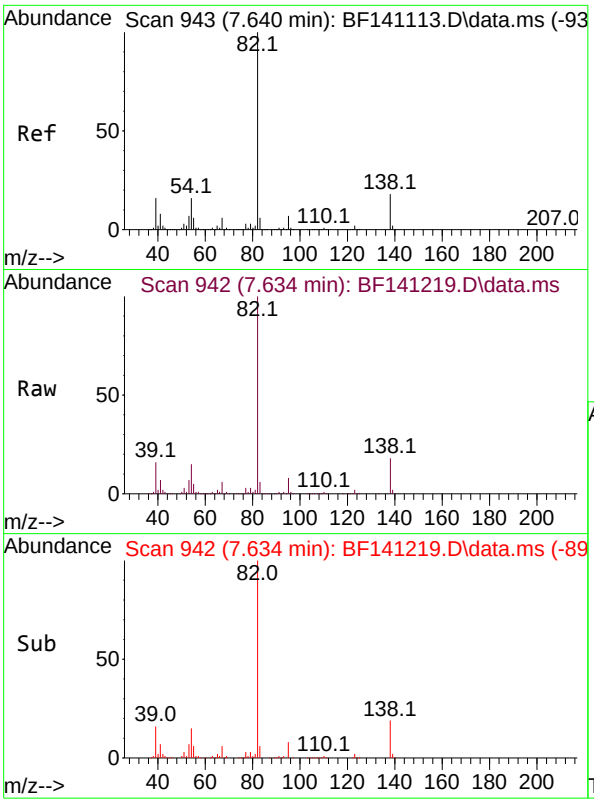


#24
Nitrobenzene
Concen: 46.115 ng
RT: 7.392 min Scan# 901
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion: 77 Resp: 574678

Ion	Ratio	Lower	Upper
77	100		
123	46.9	37.7	56.5
65	13.6	10.6	16.0





#25
Isophorone
Concen: 50.412 ng
RT: 7.634 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

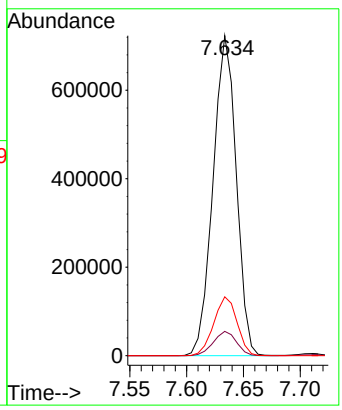
Tgt Ion: 82 Resp: 103012

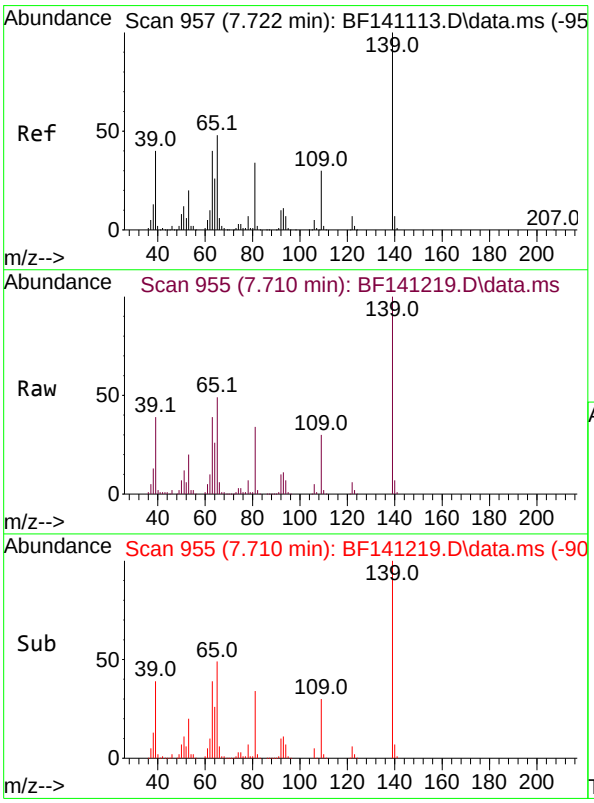
Ion	Ratio	Lower	Upper
82	100		
95	7.6	5.9	8.9
138	18.4	14.2	21.2

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

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Supervised By :mohammad ahmed 01/21/2025

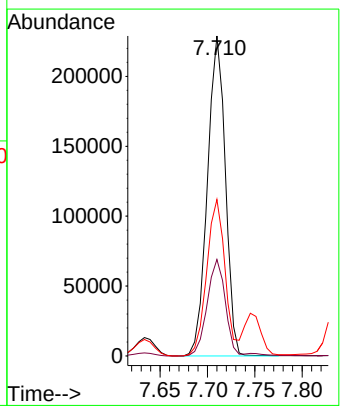


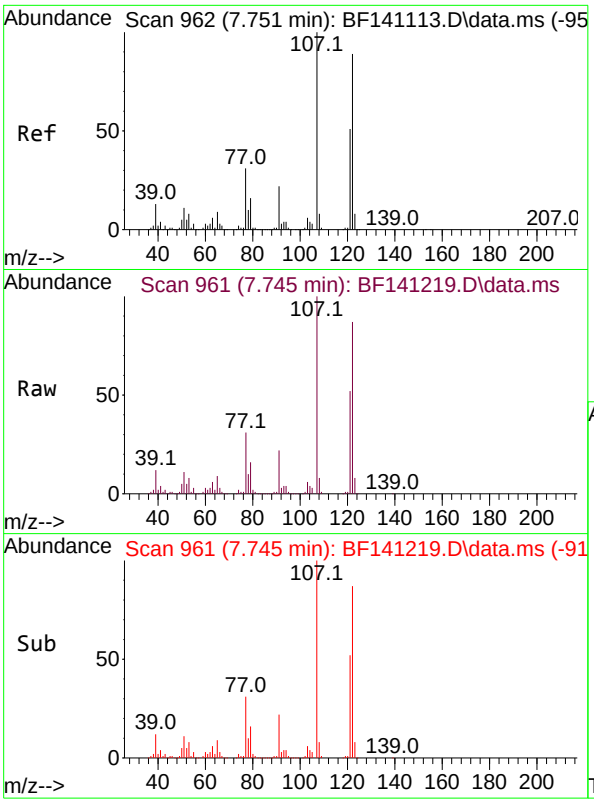


#26
2-Nitrophenol
Concen: 53.335 ng
RT: 7.710 min Scan# 955
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:139 Resp: 302338

Ion	Ratio	Lower	Upper
139	100		
109	30.1	23.8	35.6
65	48.9	38.5	57.7

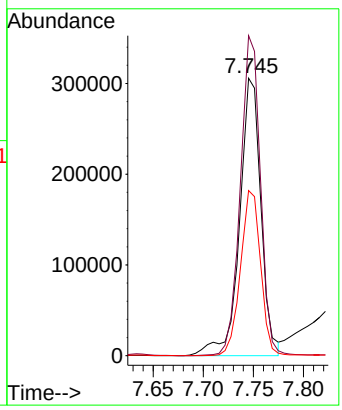




#27
2,4-Dimethylphenol
Concen: 59.285 ng
RT: 7.745 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:122 Resp: 45331

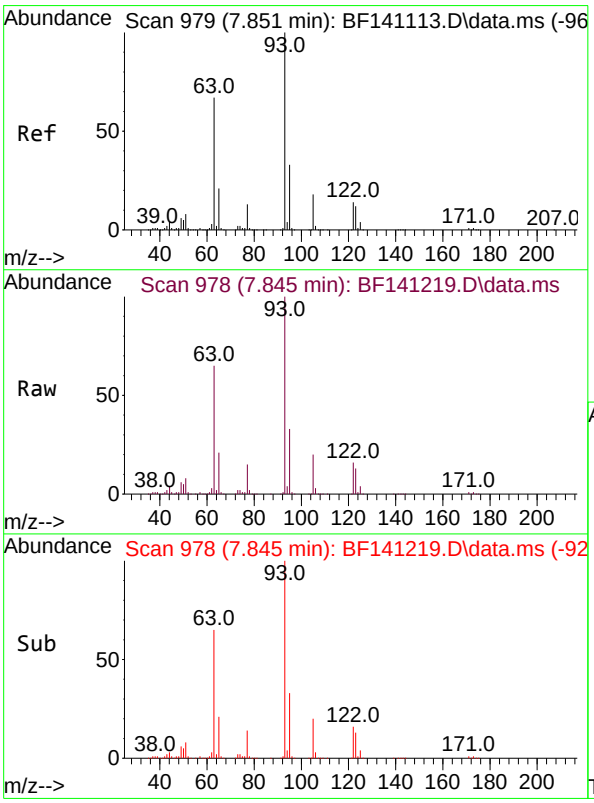
Ion	Ratio	Lower	Upper
122	100		
107	115.3	90.3	135.5
121	59.5	46.5	69.7



Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Manual Integrations
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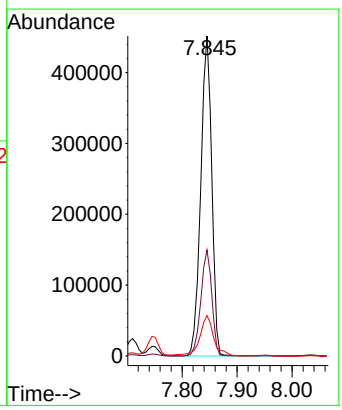
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

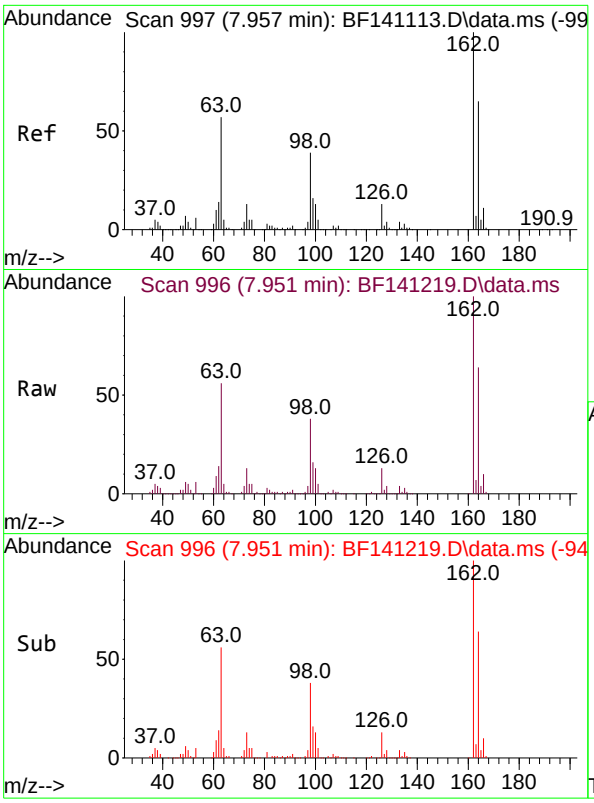


#28
bis(2-Chloroethoxy)methane
Concen: 48.920 ng
RT: 7.845 min Scan# 978
Delta R.T. -0.006 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion: 93 Resp: 627357

Ion	Ratio	Lower	Upper
93	100		
95	33.1	26.2	39.4
123	12.6	10.1	15.1

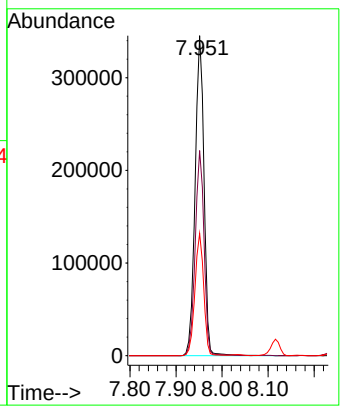




#29
2,4-Dichlorophenol
Concen: 50.888 ng
RT: 7.951 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:162 Resp: 46212

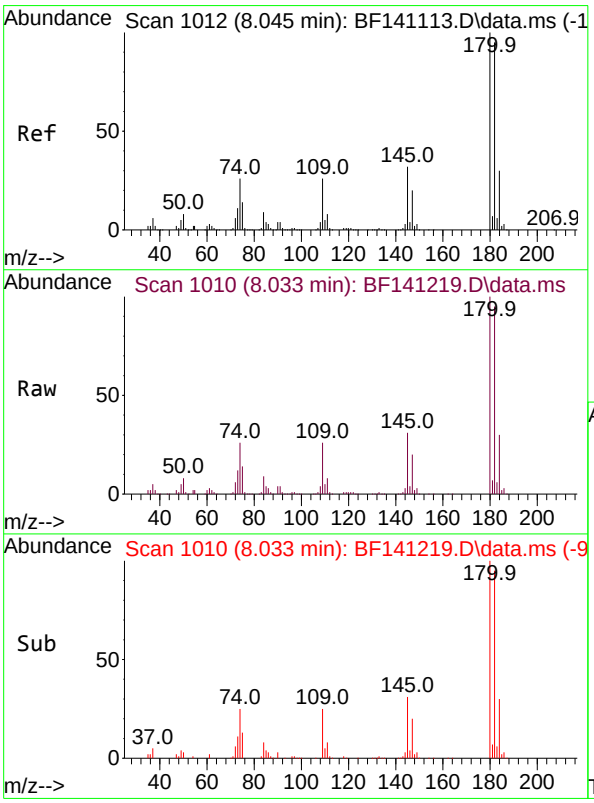
Ion	Ratio	Lower	Upper
162	100		
164	64.1	44.5	84.5
98	38.2	18.5	58.5



Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Manual Integrations
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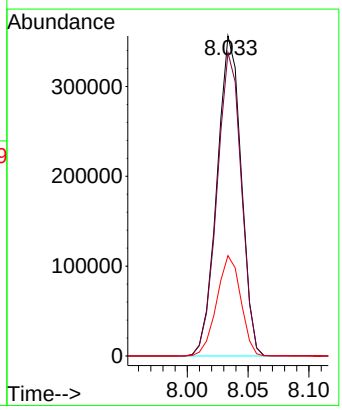
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

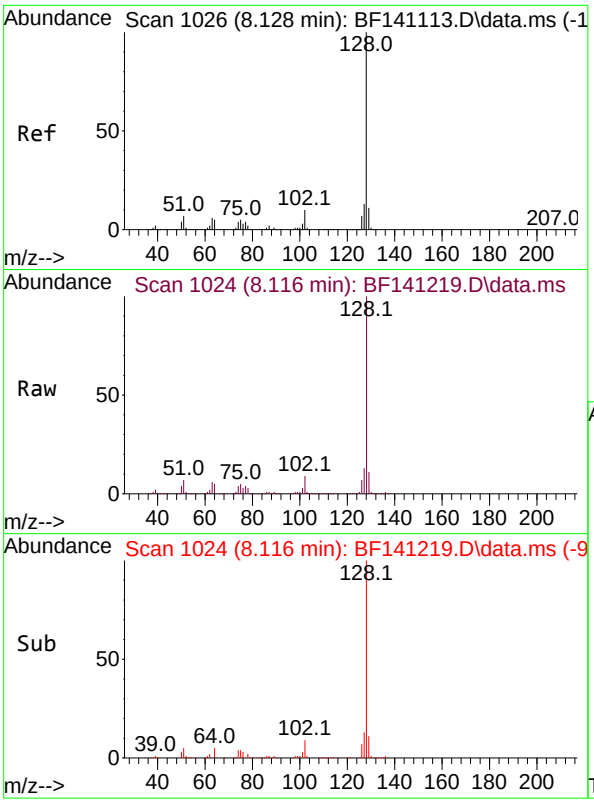


#30
1,2,4-Trichlorobenzene
Concen: 47.476 ng
RT: 8.033 min Scan# 1010
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:180 Resp: 492811

Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.2	114.2
145	31.4	25.3	37.9

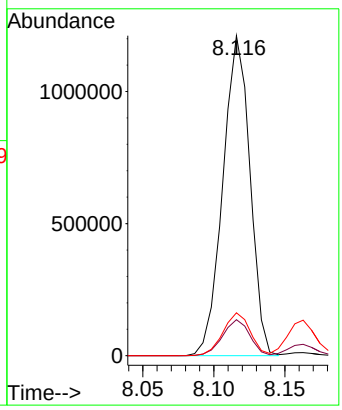




#31
Naphthalene
Concen: 48.145 ng
RT: 8.116 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:128 Resp: 160927

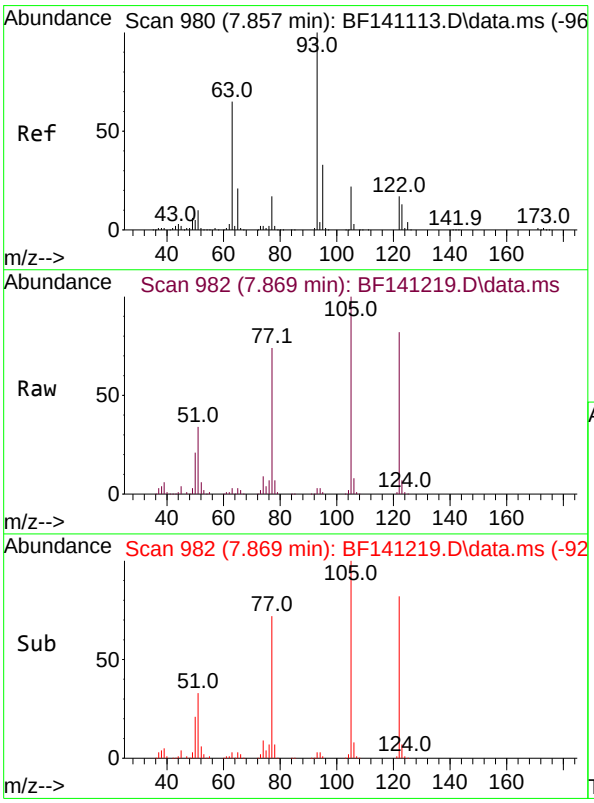
Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.0	13.6
127	13.4	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Manual Integrations
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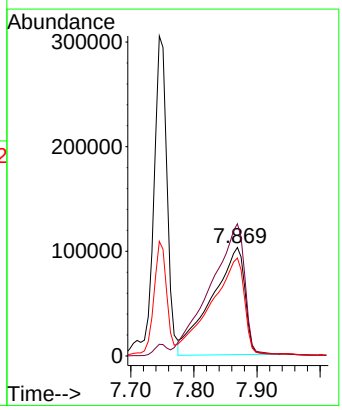
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

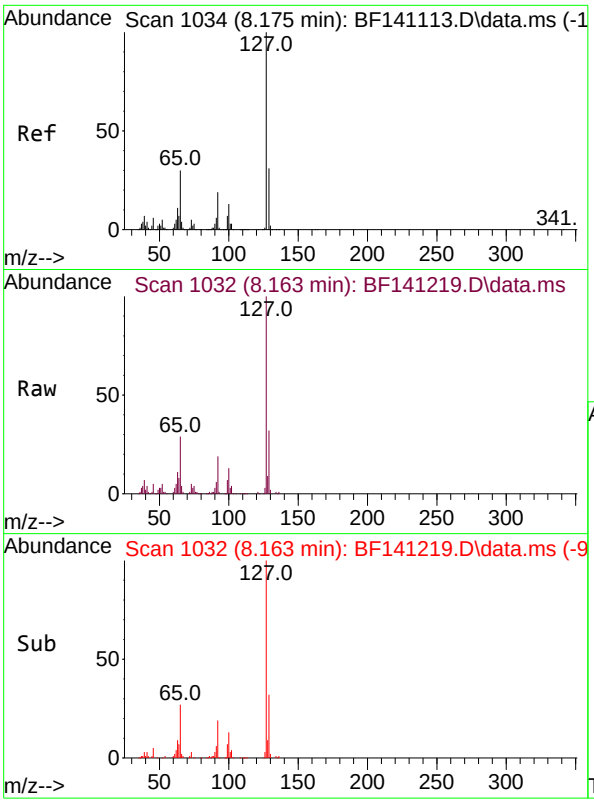


#32
Benzoic acid
Concen: 51.143 ng
RT: 7.869 min Scan# 982
Delta R.T. 0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:122 Resp: 375125

Ion	Ratio	Lower	Upper
122	100		
105	121.7	105.5	145.5
77	90.2	75.1	115.1

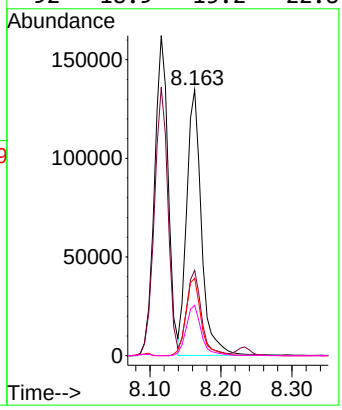




#33
4-Chloroaniline
Concen: 16.782 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:127 Resp: 193999

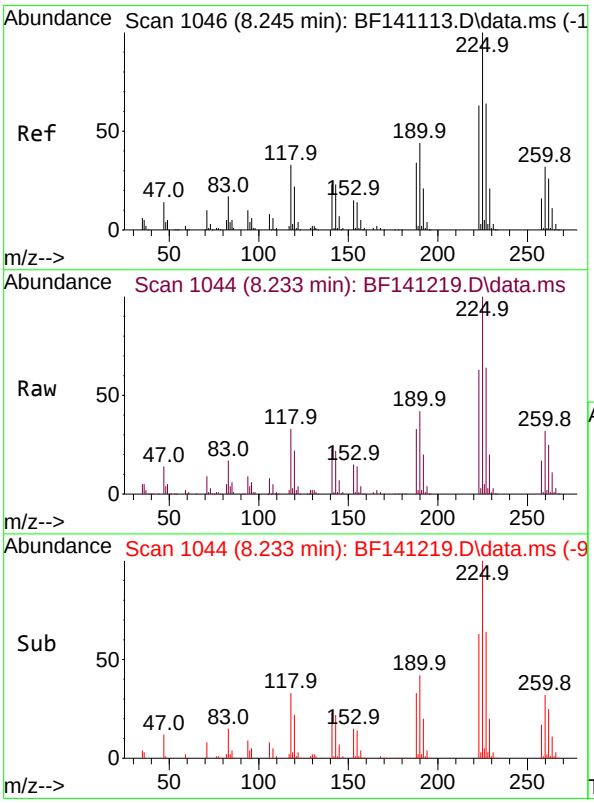
Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.9	38.9
65	29.1	23.8	35.8
92	18.9	15.2	22.8



Instrument :
BNA_F
ClientSampleId :
PB166117BSD

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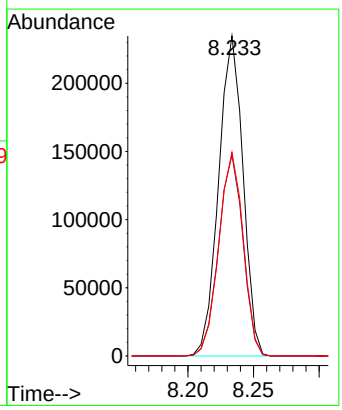
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

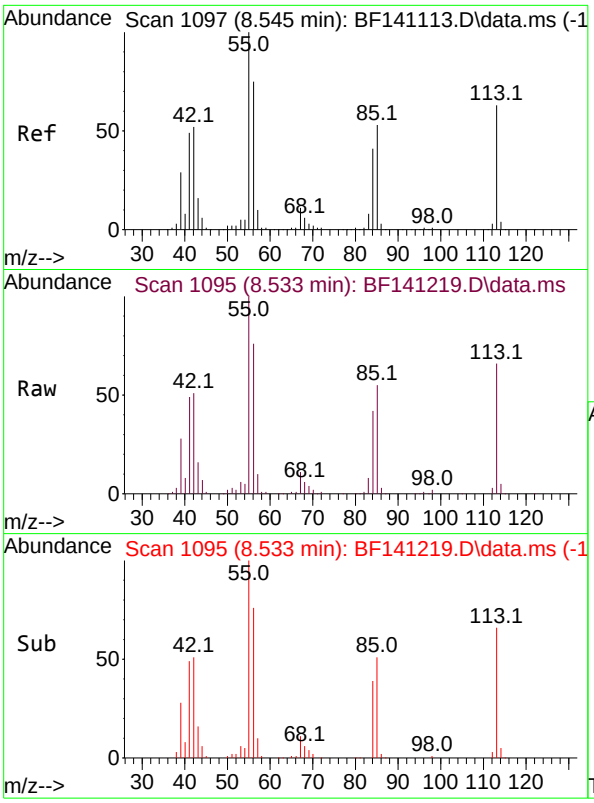


#34
Hexachlorobutadiene
Concen: 48.496 ng
RT: 8.233 min Scan# 1044
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:225 Resp: 303323

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.6	76.0
227	63.7	51.6	77.4





#35
Caprolactam
Concen: 50.799 ng m
RT: 8.533 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

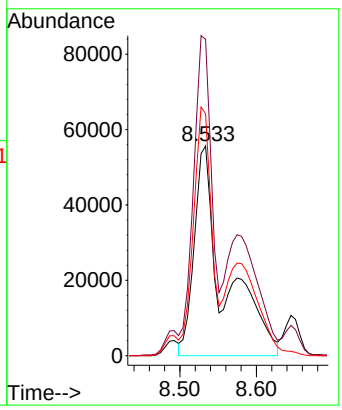
Tgt Ion:113 Resp: 15103

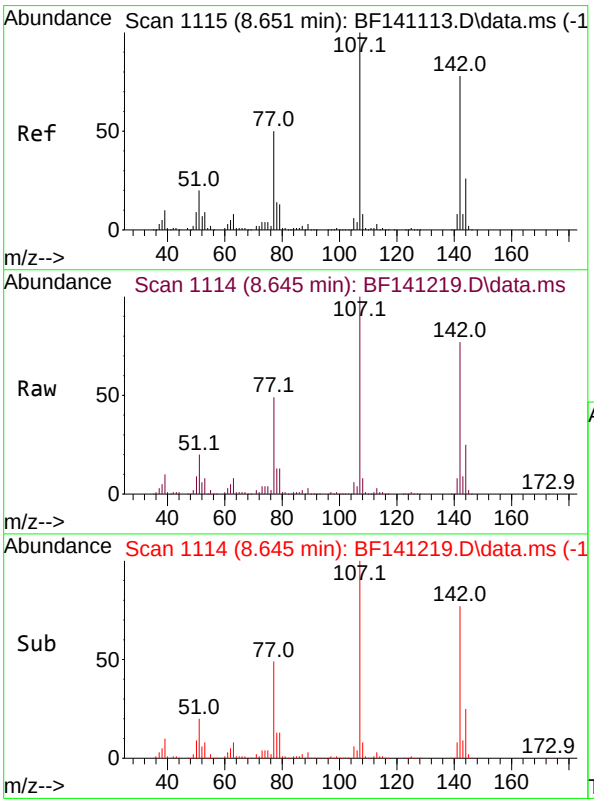
Ion	Ratio	Lower	Upper
113	100		
55	150.9	139.7	179.7
56	115.3	99.4	139.4

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

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Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

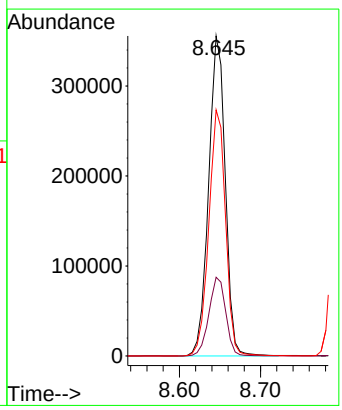


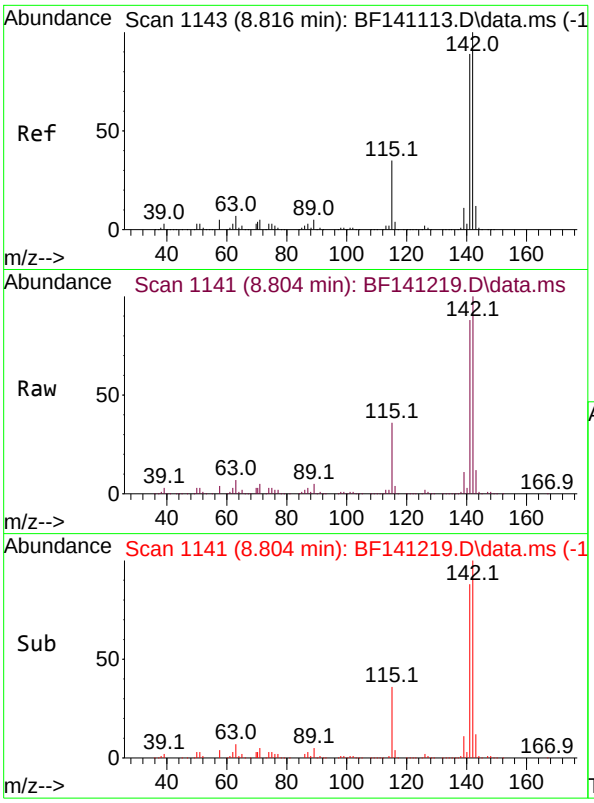


#36
4-Chloro-3-methylphenol
Concen: 50.940 ng
RT: 8.645 min Scan# 1114
Delta R.T. -0.006 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:107 Resp: 505923

Ion	Ratio	Lower	Upper
107	100		
144	24.6	20.4	30.6
142	76.9	62.2	93.2

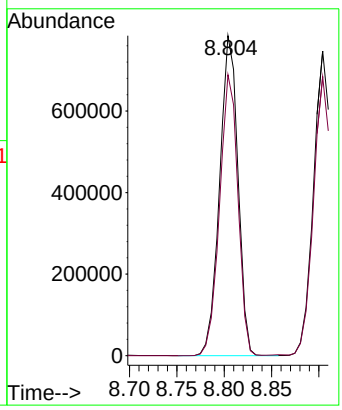




#37
2-Methylnaphthalene
Concen: 49.647 ng
RT: 8.804 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:142 Resp: 105747

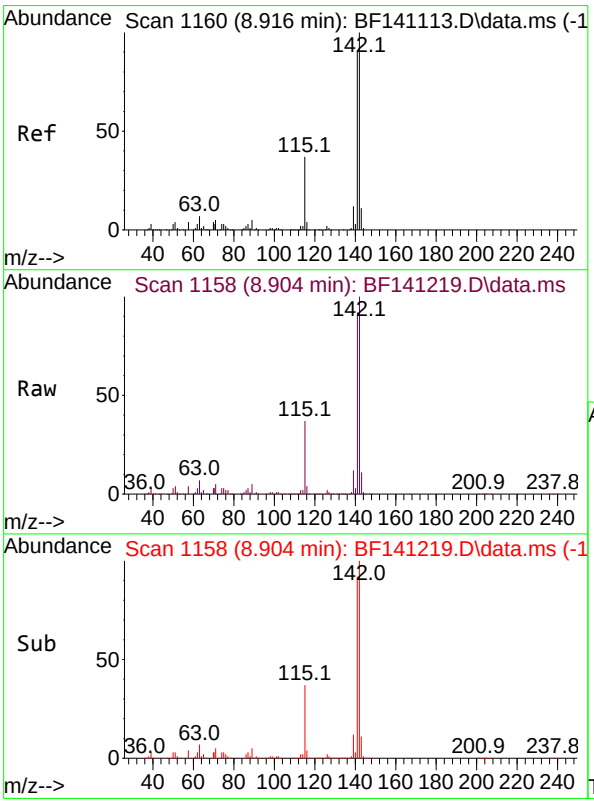
Ion	Ratio	Lower	Upper
142	100		
141	87.8	71.3	106.9



Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Manual Integrations
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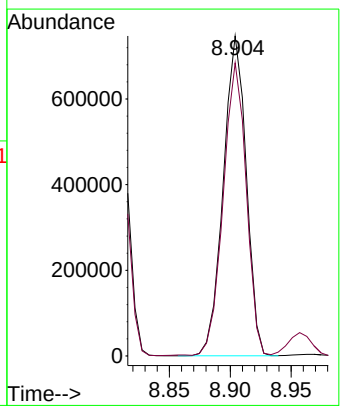
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

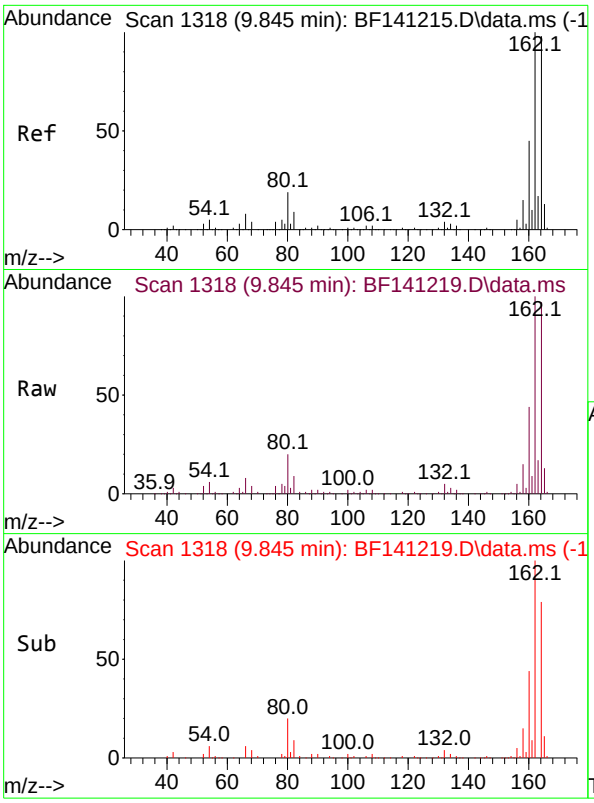


#38
1-Methylnaphthalene
Concen: 46.727 ng
RT: 8.904 min Scan# 1158
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:142 Resp: 980871

Ion	Ratio	Lower	Upper
142	100		
141	91.6	73.1	109.7

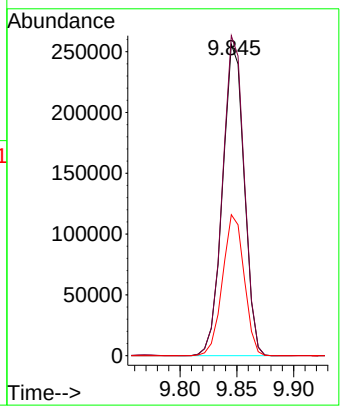




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.845 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:164 Resp: 33938

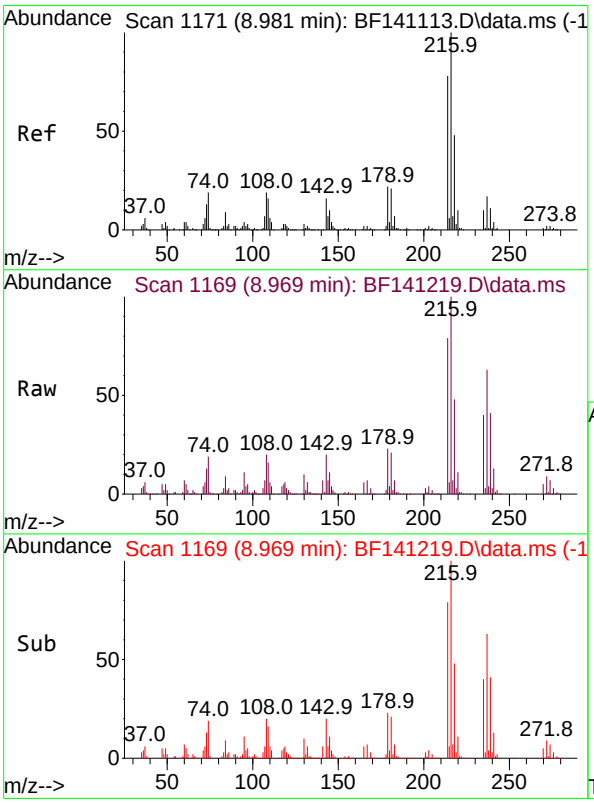
Ion	Ratio	Lower	Upper
164	100		
162	102.7	81.0	121.4
160	45.2	36.1	54.1



Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Manual Integrations
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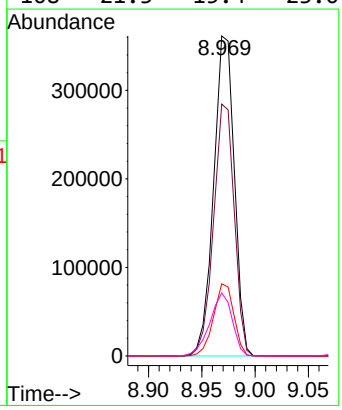
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

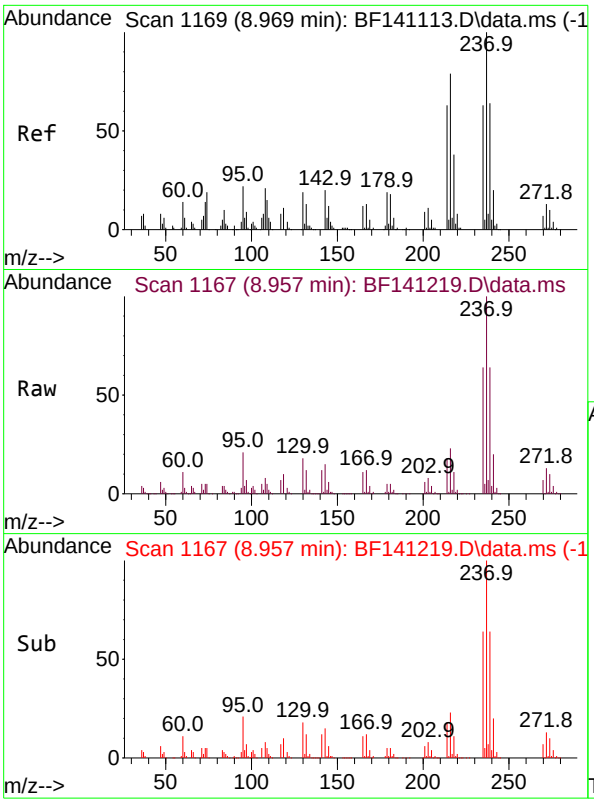


#40
1,2,4,5-Tetrachlorobenzene
Concen: 50.151 ng
RT: 8.969 min Scan# 1169
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:216 Resp: 488519

Ion	Ratio	Lower	Upper
216	100		
214	78.4	62.6	94.0
179	22.2	17.7	26.5
108	21.3	15.4	23.0





#41
Hexachlorocyclopentadiene
Concen: 189.090 ng
RT: 8.957 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

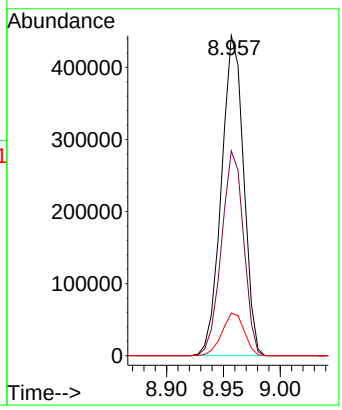
Instrument :
BNA_F
ClientSampleId :
PB166117BSD

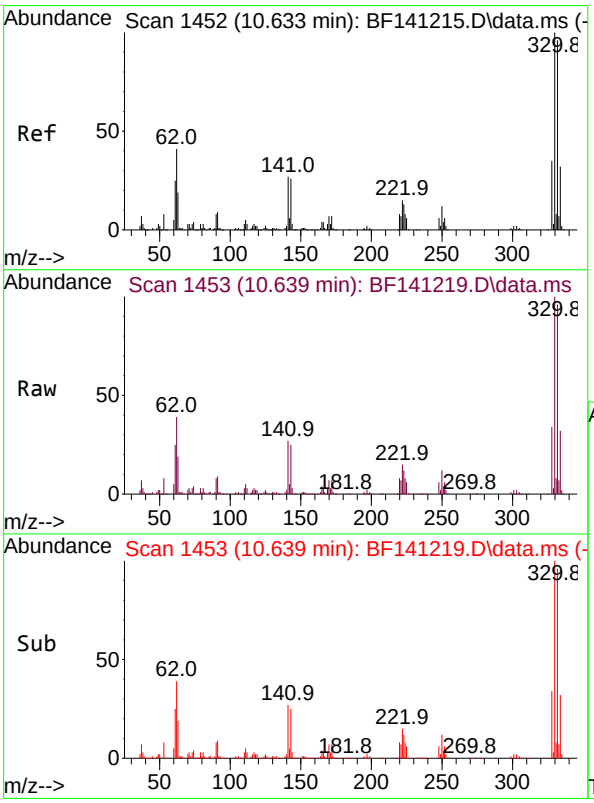
Tgt Ion:237 Resp: 60261

Ion	Ratio	Lower	Upper
237	100		
235	64.0	43.0	83.0
272	13.3	0.0	33.0

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Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

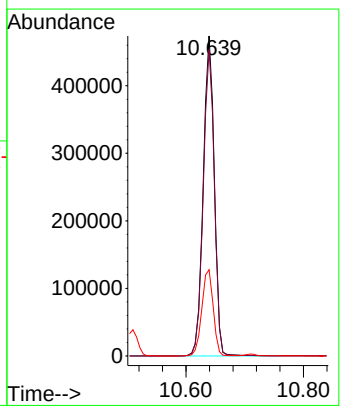


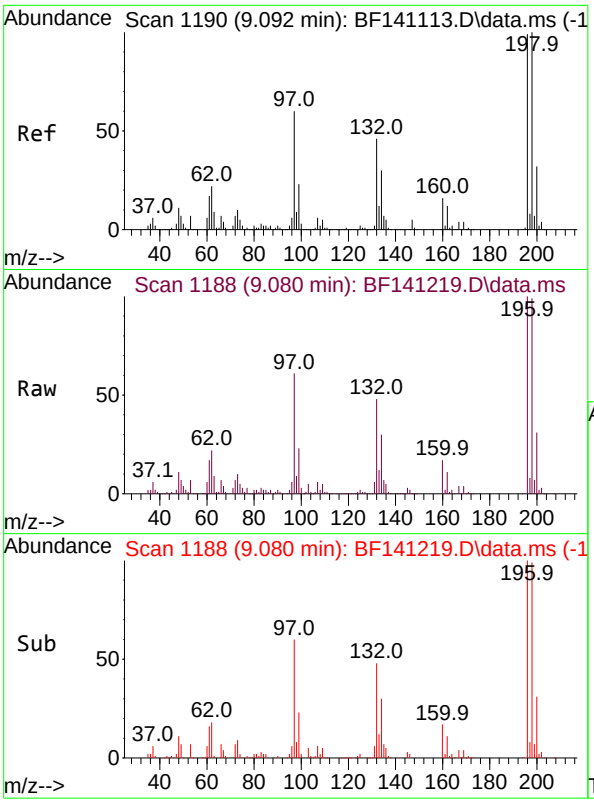


#42
2,4,6-Tribromophenol
Concen: 159.748 ng
RT: 10.639 min Scan# 1453
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:330 Resp: 617755

Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.9	115.3
141	27.9	25.2	37.8

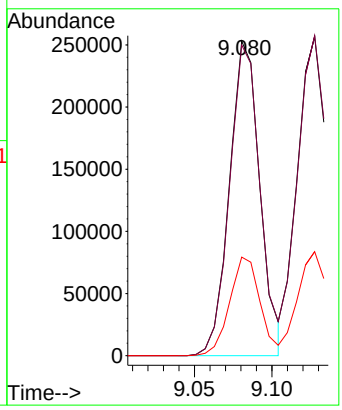




#43
2,4,6-Trichlorophenol
Concen: 52.519 ng
RT: 9.080 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:196 Resp: 34503

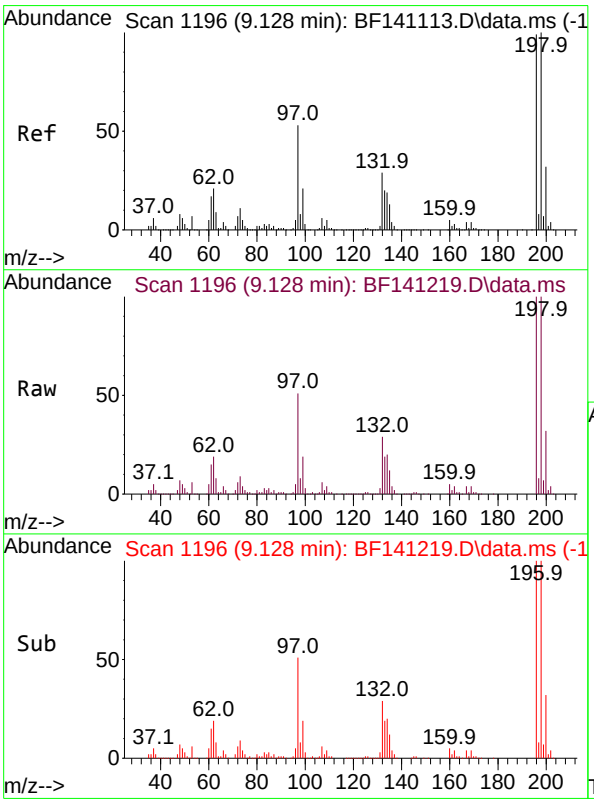
Ion	Ratio	Lower	Upper
196	100		
198	98.8	80.8	121.2
200	31.3	25.7	38.5



Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Manual Integrations
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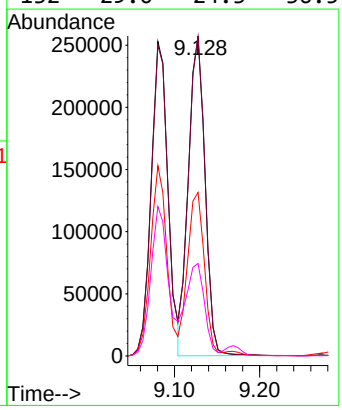
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

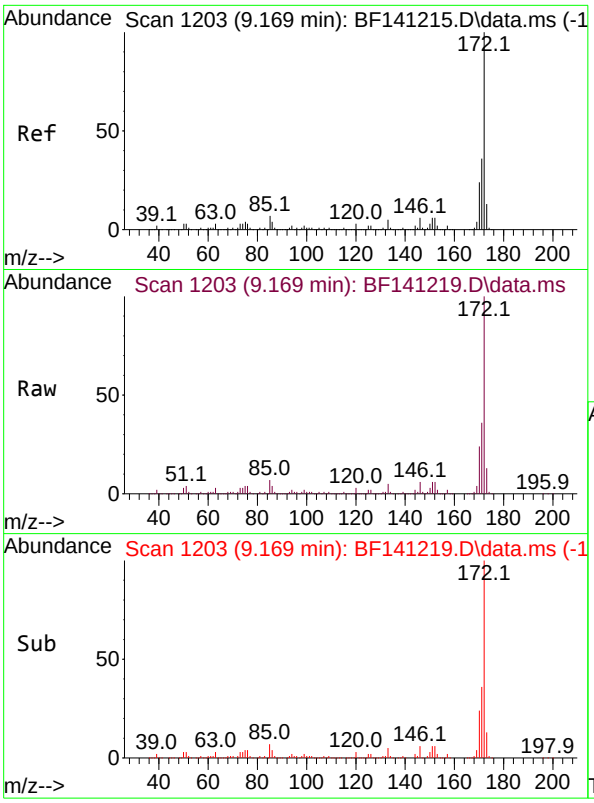


#44
2,4,5-Trichlorophenol
Concen: 50.353 ng
RT: 9.128 min Scan# 1196
Delta R.T. -0.000 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:196 Resp: 349371

Ion	Ratio	Lower	Upper
196	100		
198	100.3	80.6	120.8
97	51.2	43.1	64.7
132	29.0	24.3	36.5

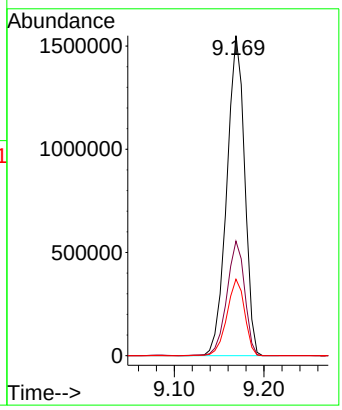




#45
2-Fluorobiphenyl
Concen: 96.189 ng
RT: 9.169 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:172 Resp: 213778

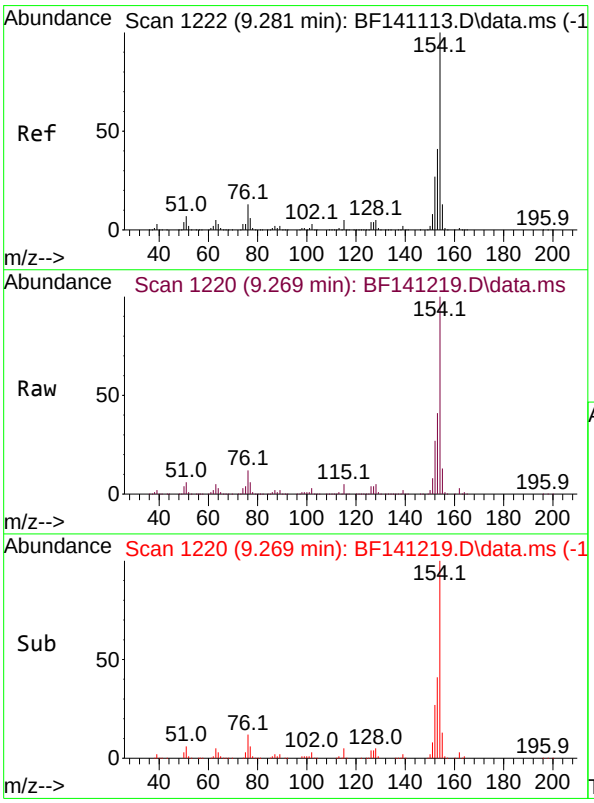
Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.7	43.1
170	23.9	19.0	28.6



Instrument :
BNA_F
ClientSampleId :
PB166117BSD

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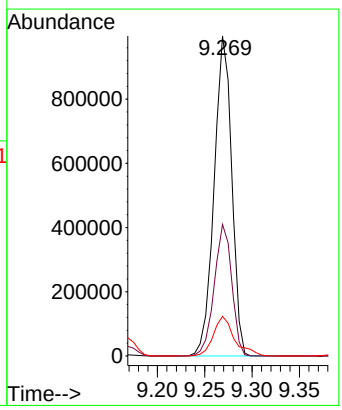
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

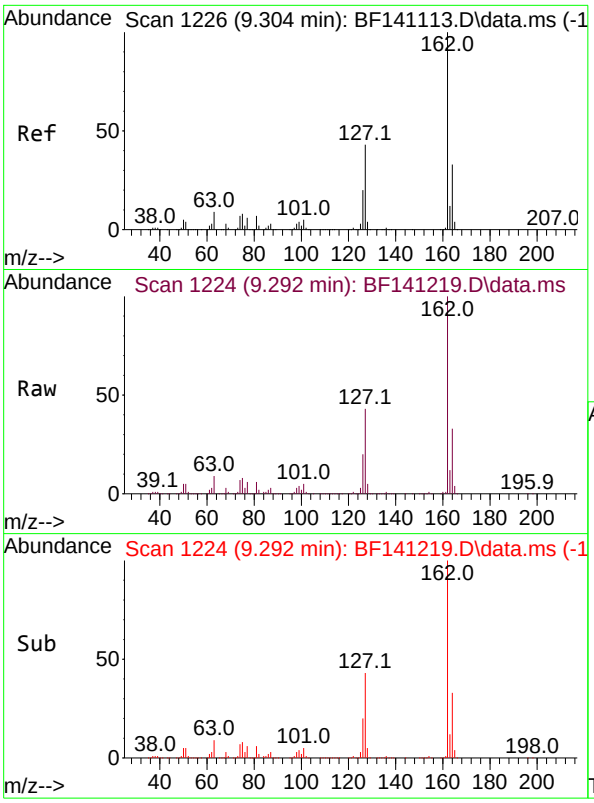


#46
1,1'-Biphenyl
Concen: 48.924 ng
RT: 9.269 min Scan# 1220
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:154 Resp: 1289480

Ion	Ratio	Lower	Upper
154	100		
153	41.1	20.7	60.7
76	12.4	0.0	33.1

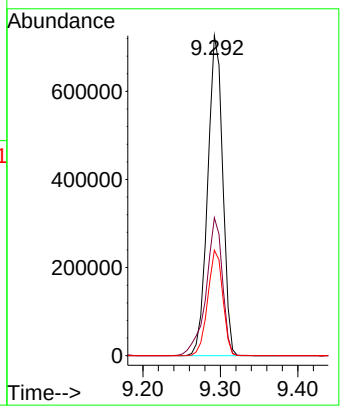




#47
2-Chloronaphthalene
Concen: 47.611 ng
RT: 9.292 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:162 Resp: 97737

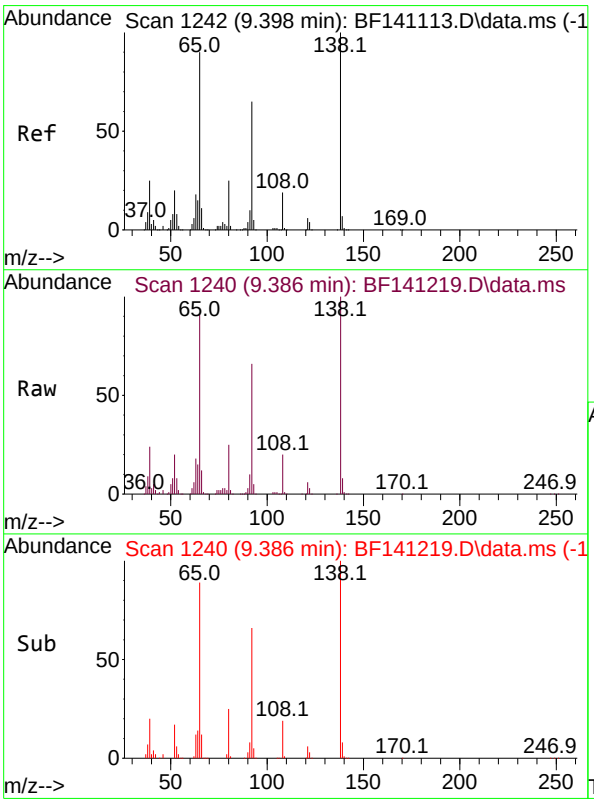
Ion	Ratio	Lower	Upper
162	100		
127	43.1	34.6	51.8
164	32.9	26.5	39.7



Instrument :
BNA_F
ClientSampleId :
PB166117BSD

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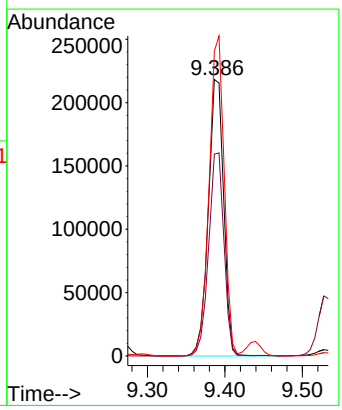
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

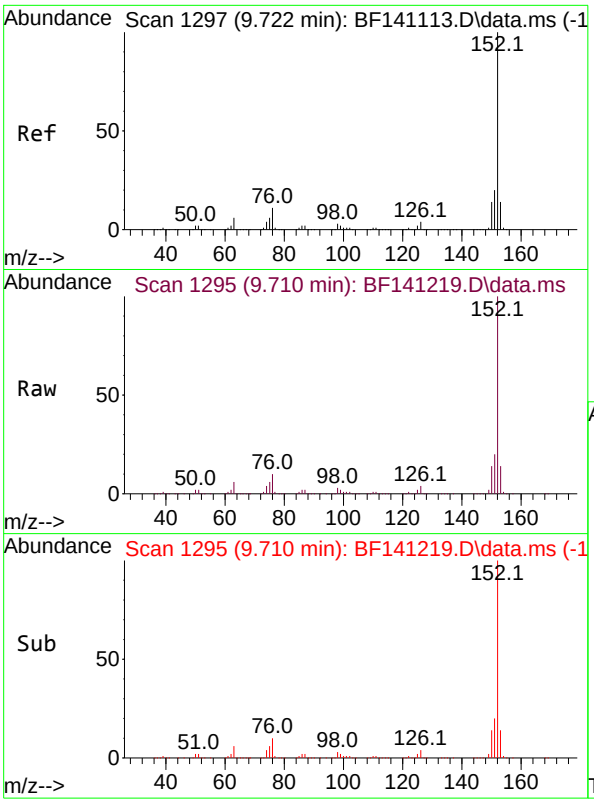


#48
2-Nitroaniline
Concen: 49.494 ng
RT: 9.386 min Scan# 1240
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion: 65 Resp: 301187

Ion	Ratio	Lower	Upper
65	100		
92	73.0	58.3	87.5
138	110.3	89.1	133.7

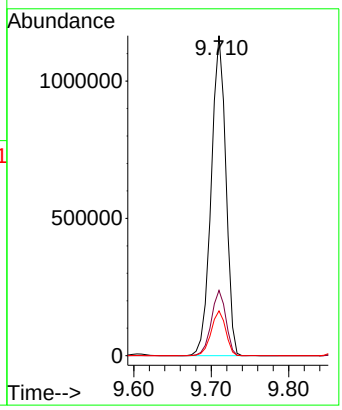




#49
Acenaphthylene
Concen: 52.144 ng
RT: 9.710 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:152 Resp: 152933

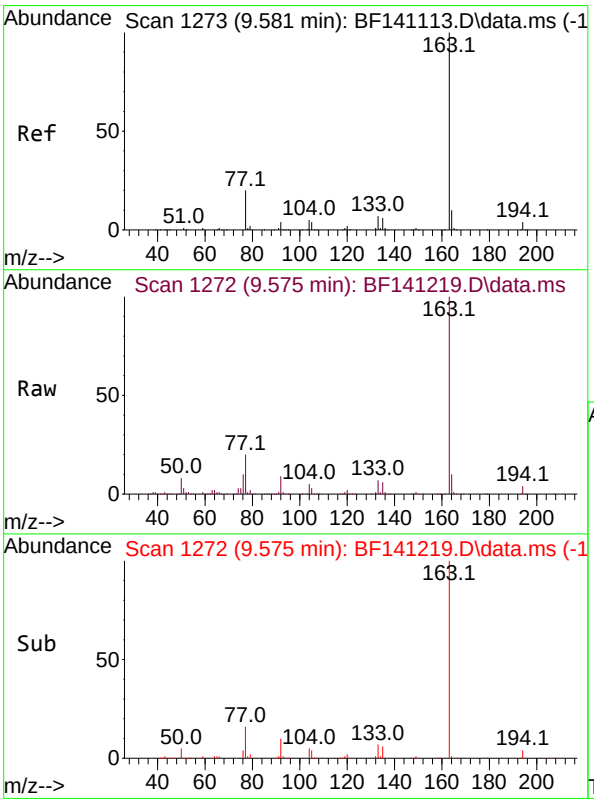
Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.1	24.1
153	14.0	11.1	16.7



Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Manual Integrations
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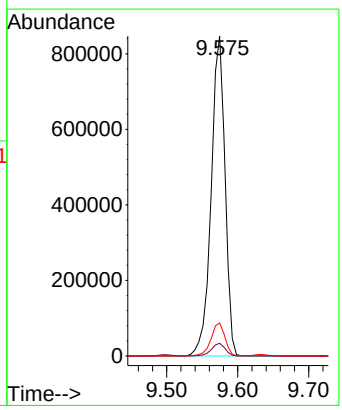
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

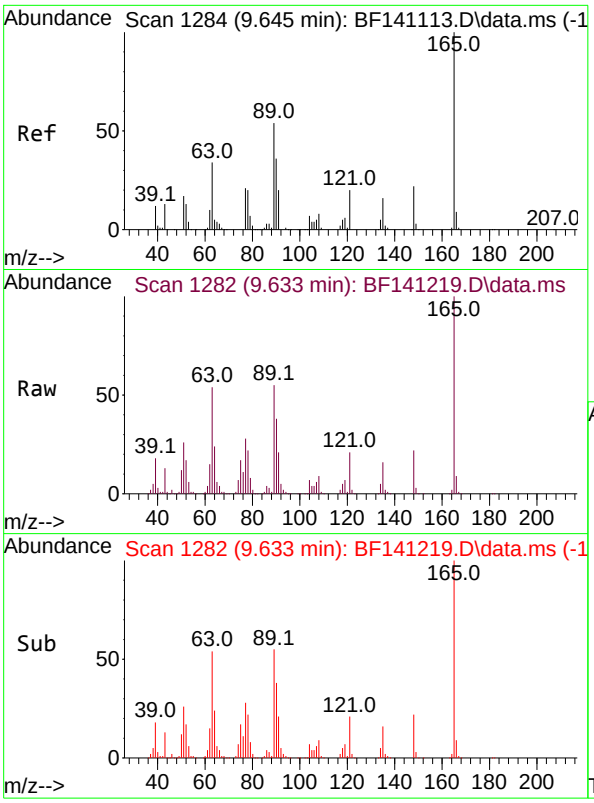


#50
Dimethylphthalate
Concen: 50.349 ng
RT: 9.575 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:163 Resp: 1147172

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.0	4.6
164	10.3	8.2	12.4





#51
2,6-Dinitrotoluene
Concen: 48.745 ng
RT: 9.633 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

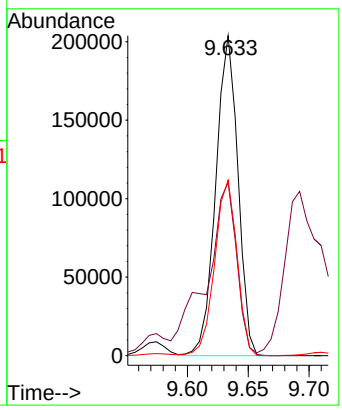
Tgt Ion:165 Resp: 25826

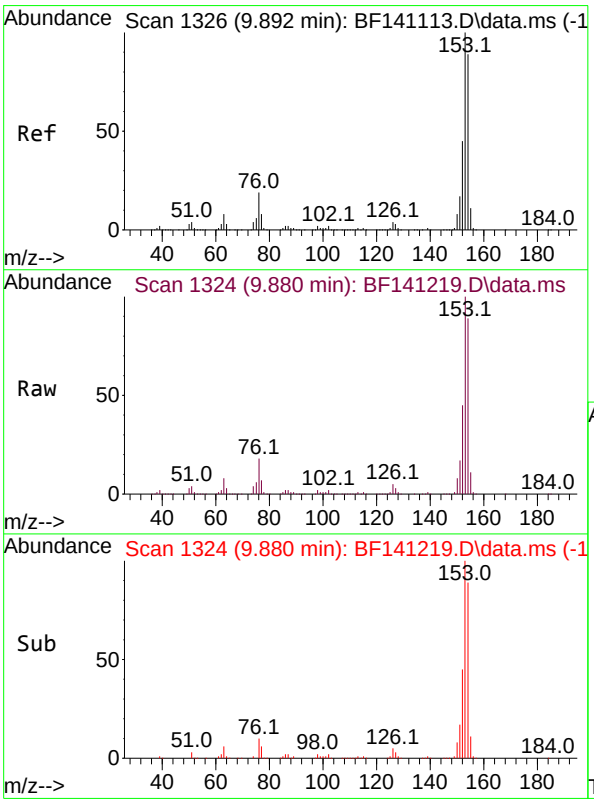
Ion	Ratio	Lower	Upper
165	100		
63	54.1	42.3	63.5
89	54.8	43.1	64.7

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

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Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

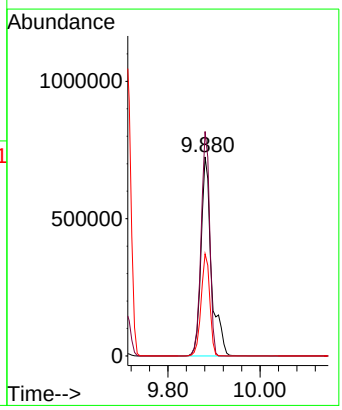


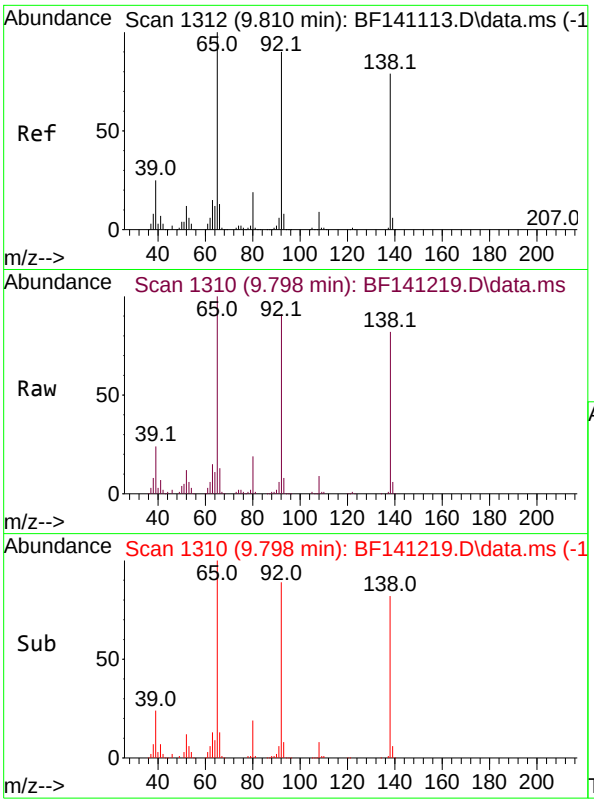


#52
Acenaphthene
Concen: 55.939 ng
RT: 9.880 min Scan# 1324
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:154 Resp: 1146231

Ion	Ratio	Lower	Upper
154	100		
153	112.8	89.8	134.6
152	51.3	40.8	61.2





#53
3-Nitroaniline
Concen: 29.423 ng
RT: 9.798 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

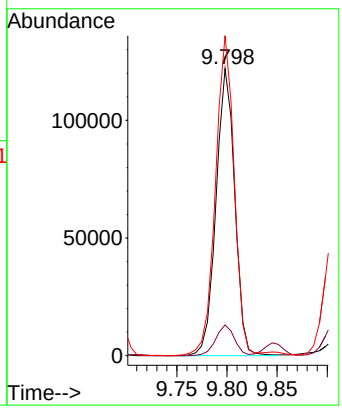
Instrument :
BNA_F
ClientSampleId :
PB166117BSD

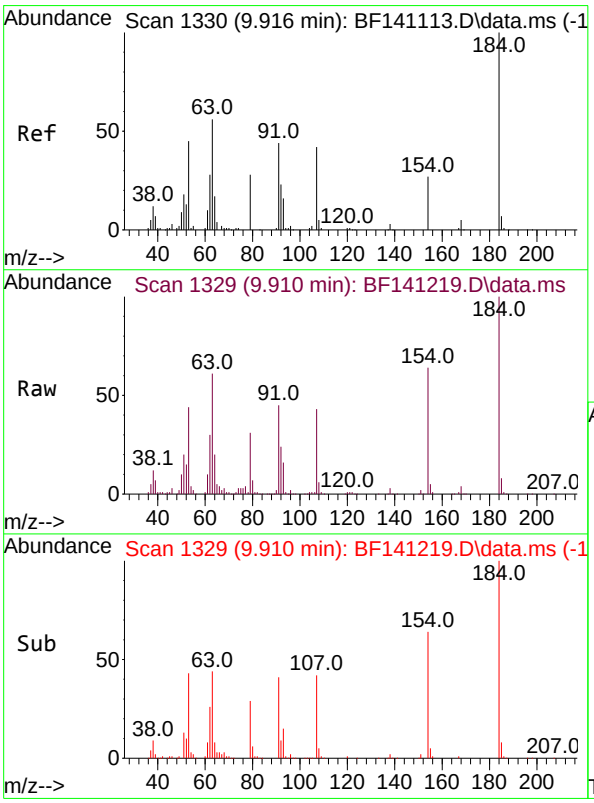
Tgt Ion:138 Resp: 15842

Ion	Ratio	Lower	Upper
138	100		
108	10.7	8.8	13.2
92	111.5	91.3	136.9

Manual Integrations
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Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

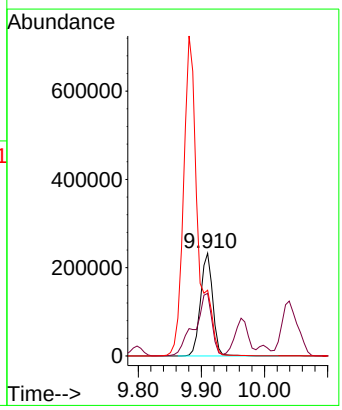


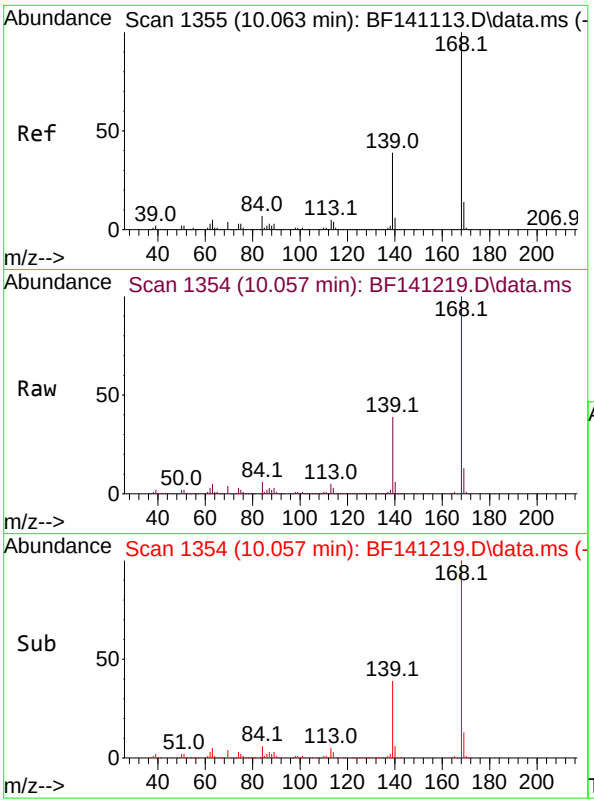


#54
2,4-Dinitrophenol
Concen: 124.051 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:184 Resp: 312413

Ion	Ratio	Lower	Upper
184	100		
63	60.9	48.7	73.1
154	64.0	57.1	85.7

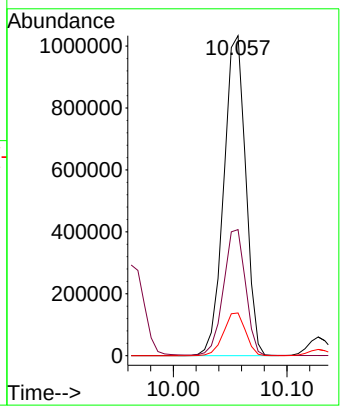




#55
Dibenzofuran
Concen: 49.648 ng
RT: 10.057 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:168 Resp: 138377

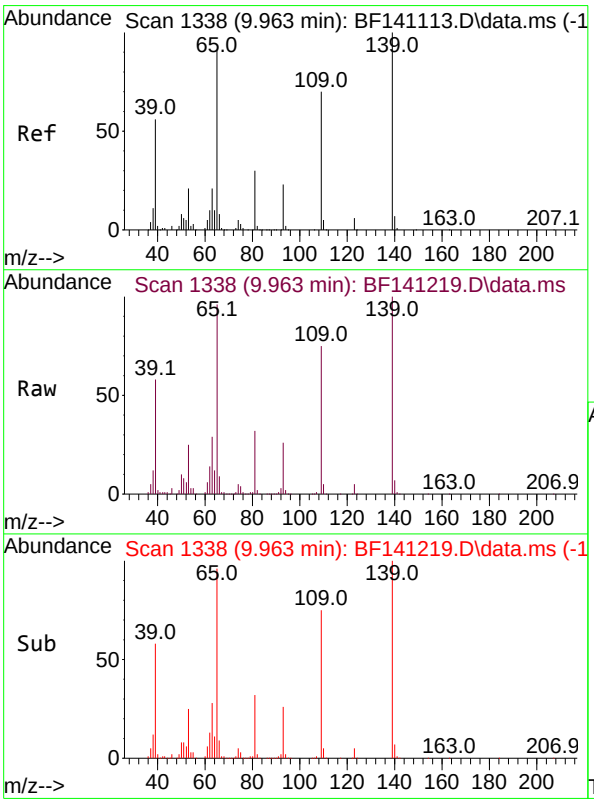
Ion	Ratio	Lower	Upper
168	100		
139	39.4	31.4	47.0
169	13.4	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Manual Integrations
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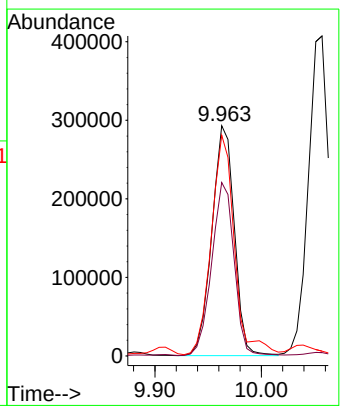
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

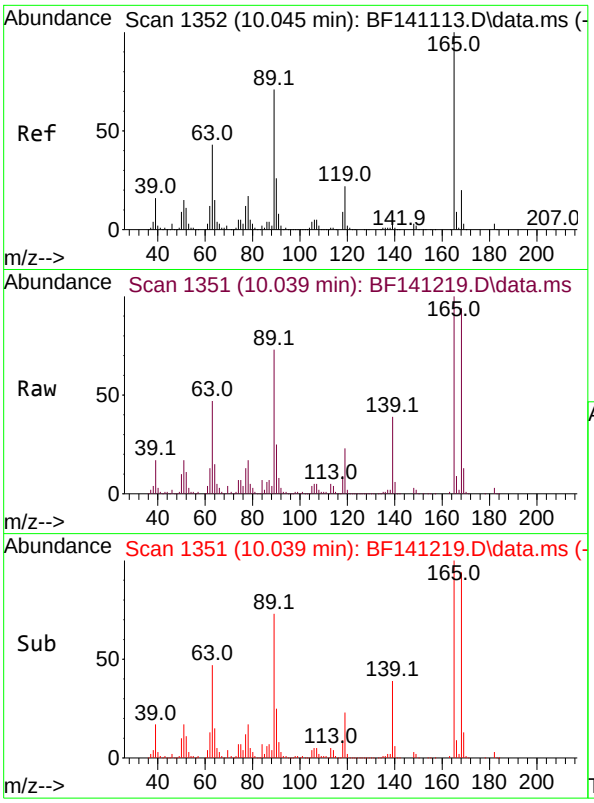


#56
4-Nitrophenol
Concen: 101.709 ng
RT: 9.963 min Scan# 1338
Delta R.T. -0.000 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:139 Resp: 428885

Ion	Ratio	Lower	Upper
139	100		
109	75.3	50.2	90.2
65	95.9	72.1	112.1

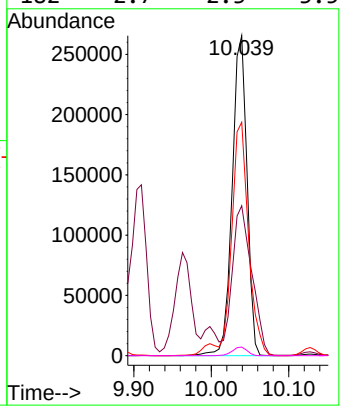




#57
2,4-Dinitrotoluene
Concen: 51.659 ng
RT: 10.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:165 Resp: 35273

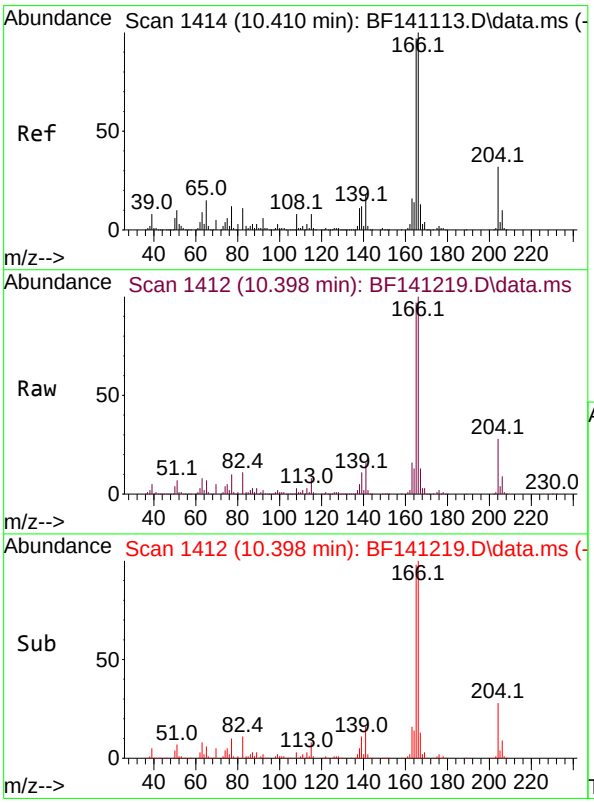
Ion	Ratio	Lower	Upper
165	100		
63	46.9	35.0	52.4
89	73.0	56.7	85.1
182	2.7	2.3	3.5



Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Manual Integrations
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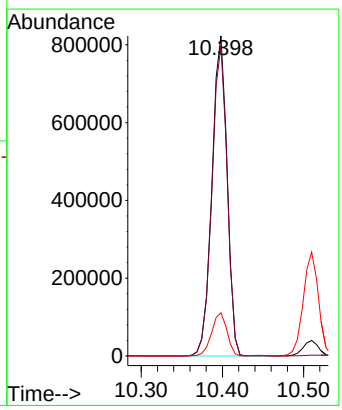
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

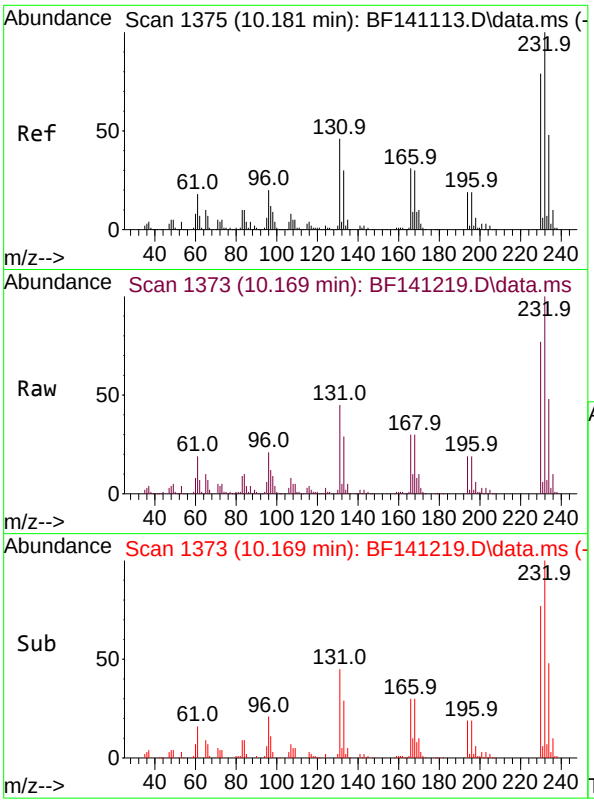


#58
Fluorene
Concen: 49.335 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:166 Resp: 1068273

Ion	Ratio	Lower	Upper
166	100		
165	97.1	77.8	116.8
167	13.5	10.8	16.2

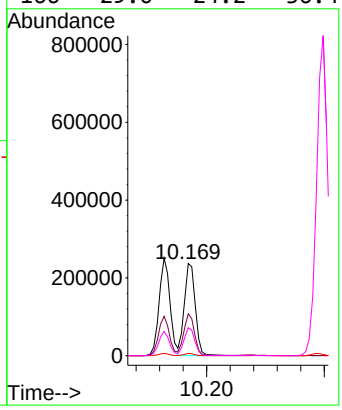




#59
2,3,4,6-Tetrachlorophenol
Concen: 53.412 ng
RT: 10.169 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:232 Resp: 30804

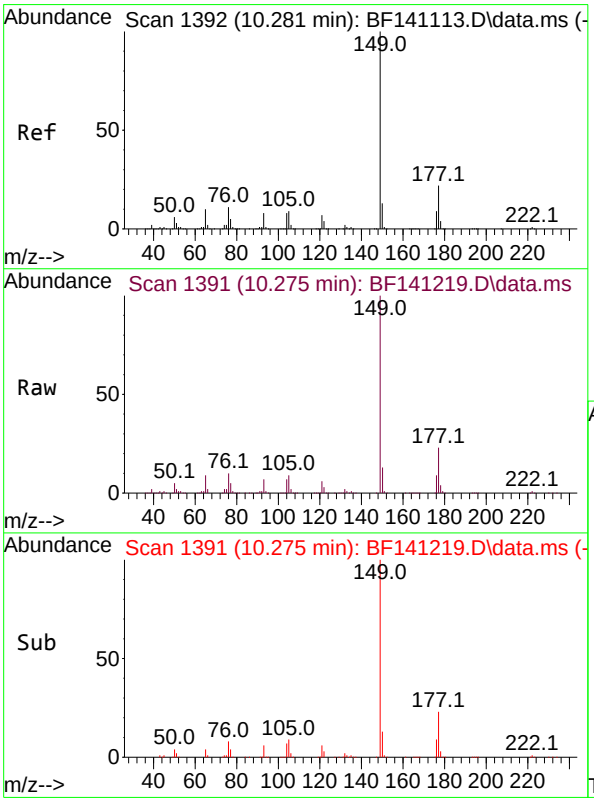
Ion	Ratio	Lower	Upper
232	100		
131	43.9	36.2	54.4
130	2.3	2.0	3.0
166	29.0	24.2	36.4



Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Manual Integrations
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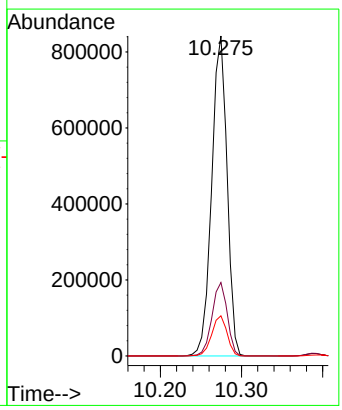
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

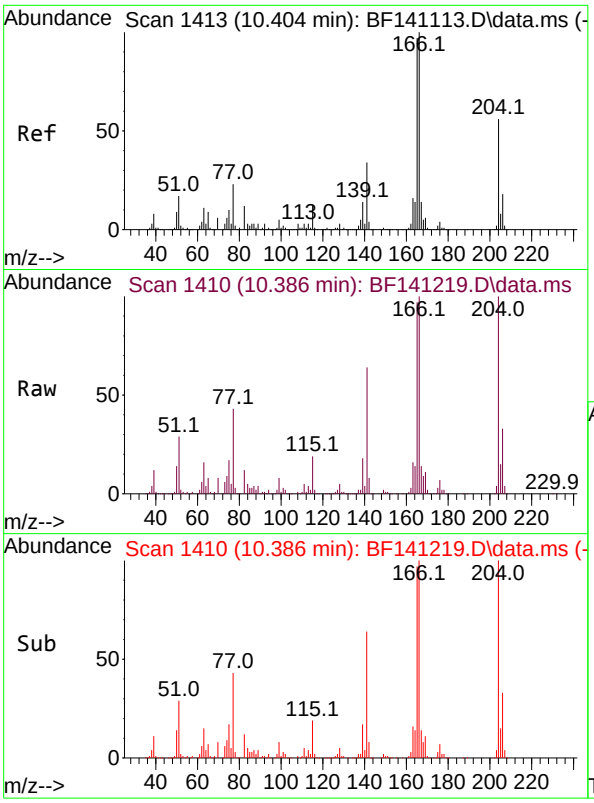


#60
Diethylphthalate
Concen: 49.775 ng
RT: 10.275 min Scan# 1391
Delta R.T. -0.006 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:149 Resp: 1107152

Ion	Ratio	Lower	Upper
149	100		
177	23.0	17.9	26.9
150	12.5	10.2	15.2

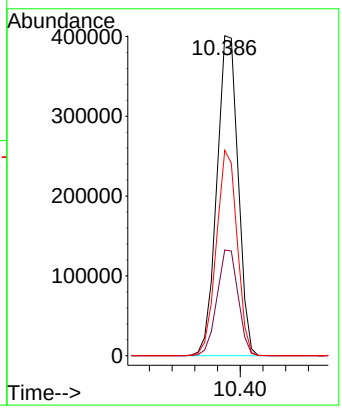




#61
4-Chlorophenyl-phenylether
Concen: 49.376 ng
RT: 10.386 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:204 Resp: 52108

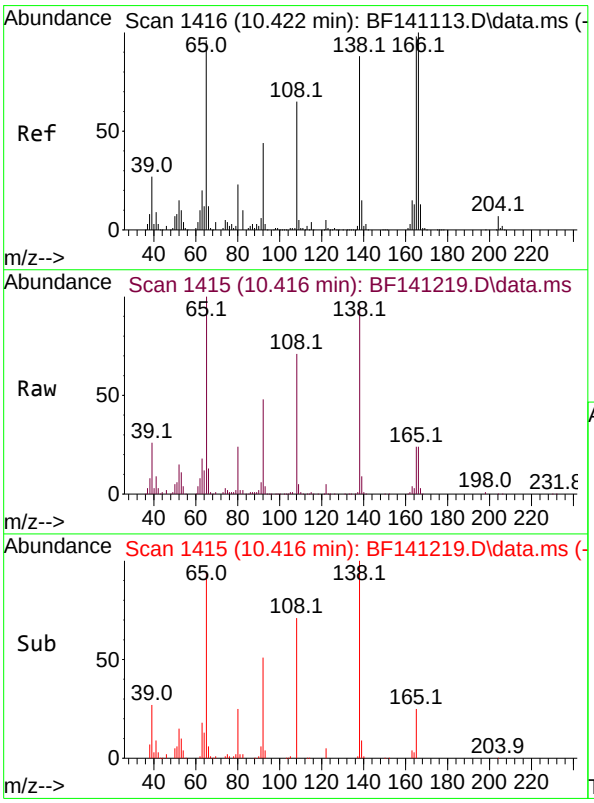
Ion	Ratio	Lower	Upper
204	100		
206	33.1	25.9	38.9
141	64.2	49.1	73.7



Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Manual Integrations
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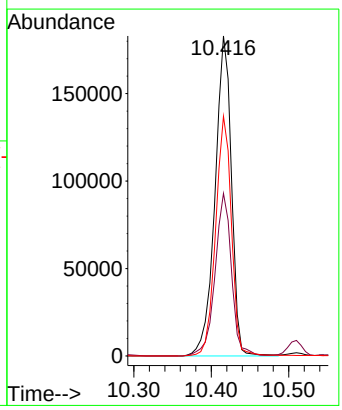
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

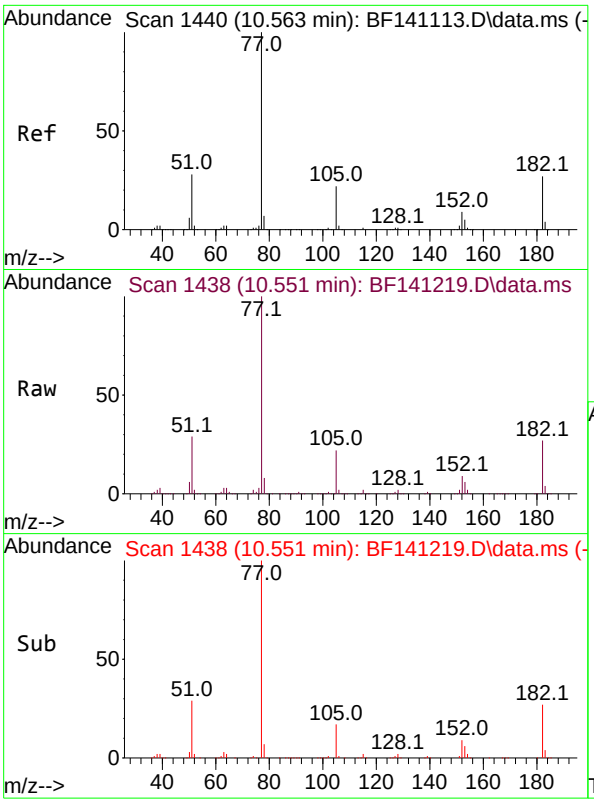


#62
4-Nitroaniline
Concen: 51.150 ng
RT: 10.416 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:138 Resp: 269551

Ion	Ratio	Lower	Upper
138	100		
92	50.8	29.4	69.4
108	74.9	53.7	93.7





#63
Azobenzene
Concen: 48.824 ng
RT: 10.551 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

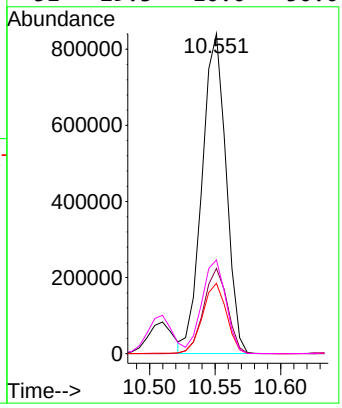
Instrument :
BNA_F
ClientSampleId :
PB166117BSD

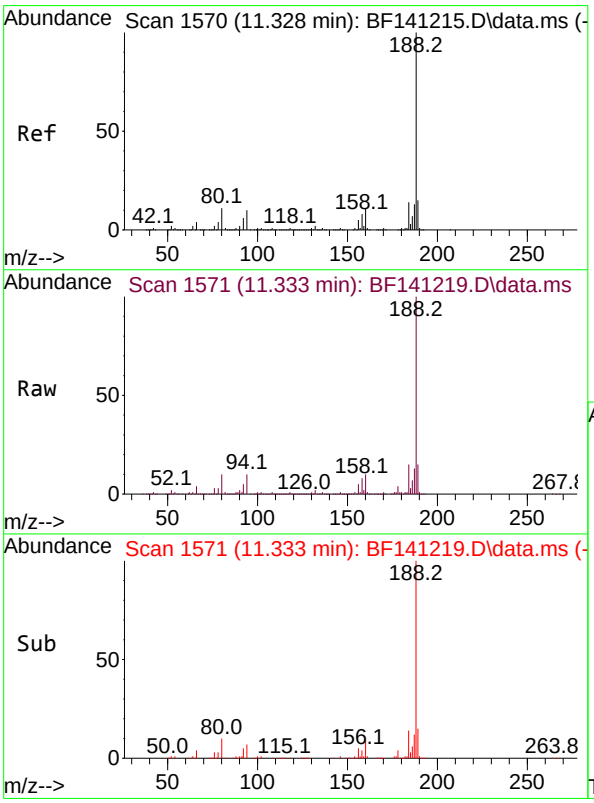
Tgt Ion: 77 Resp: 107157

Ion	Ratio	Lower	Upper
77	100		
182	26.7	6.1	46.1
105	22.0	2.1	42.1
51	29.3	10.0	50.0

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Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

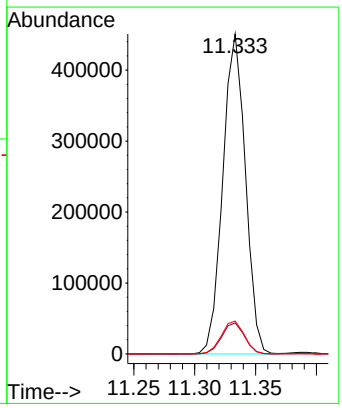


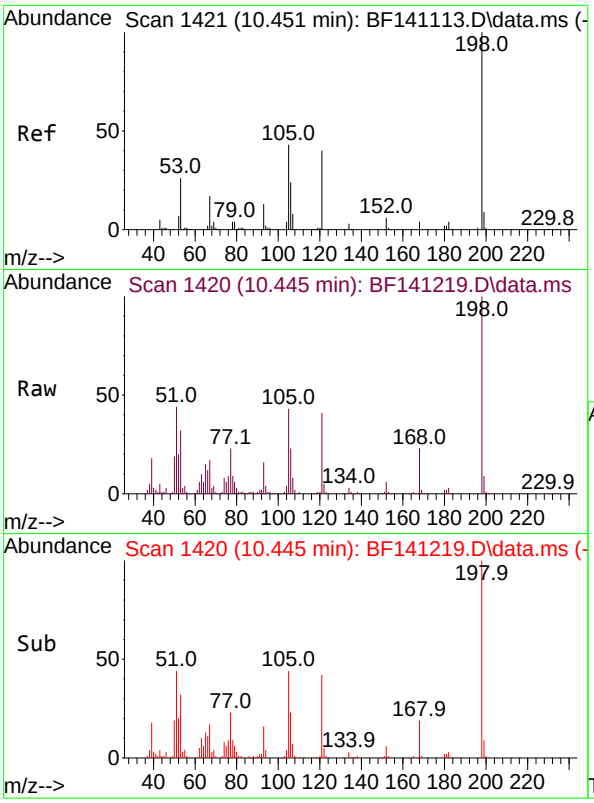


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.333 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:188 Resp: 582564

Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.3	12.5
80	10.3	9.0	13.4

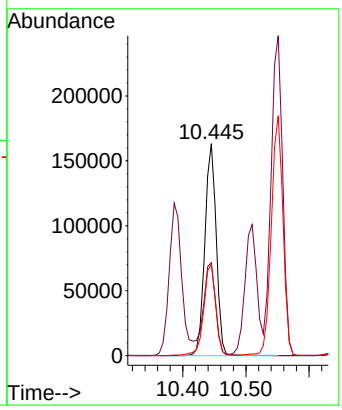




#65
4,6-Dinitro-2-methylphenol
Concen: 60.806 ng
RT: 10.445 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:198 Resp: 20526

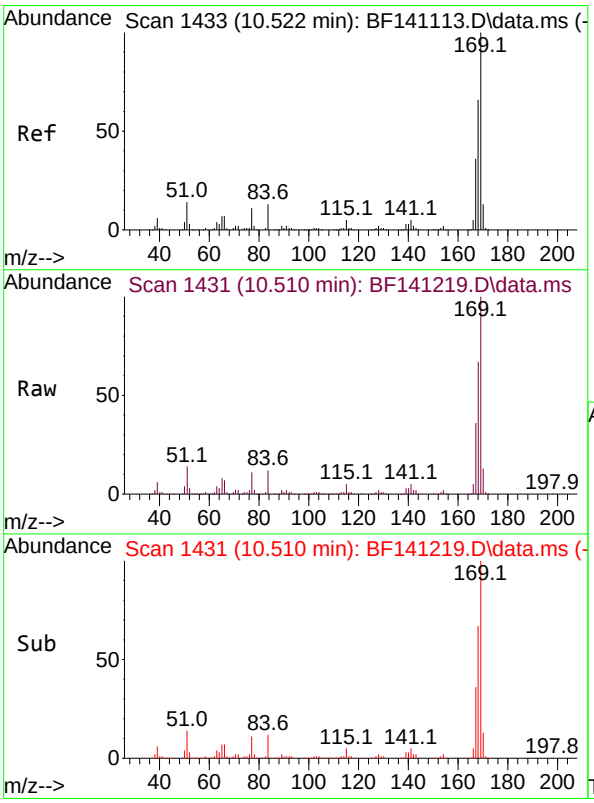
Ion	Ratio	Lower	Upper
198	100		
51	43.9	27.1	67.1
105	43.4	24.2	64.2



Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Manual Integrations
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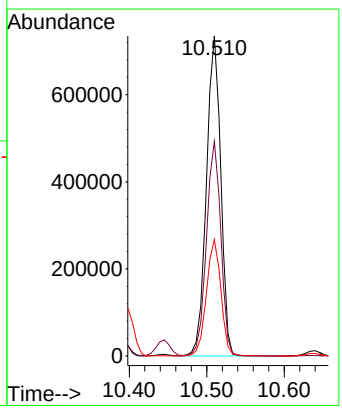
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

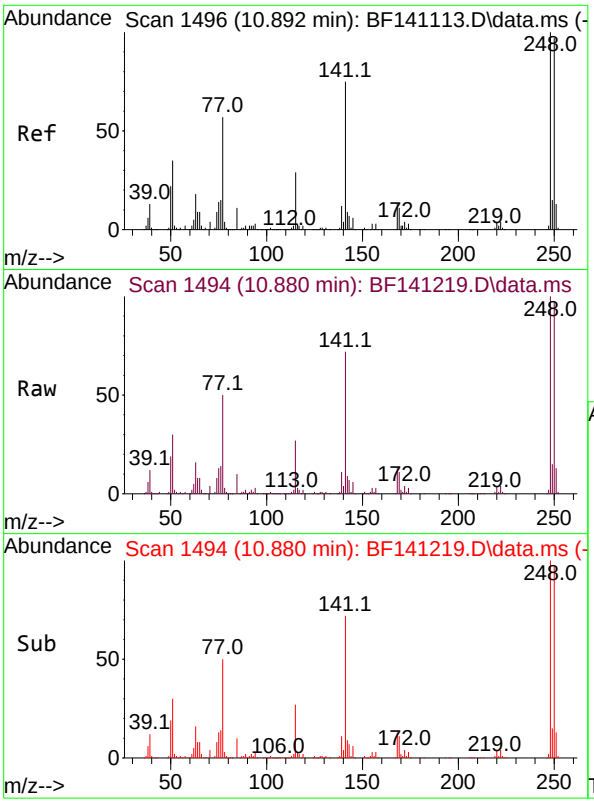


#66
n-Nitrosodiphenylamine
Concen: 50.246 ng
RT: 10.510 min Scan# 1431
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:169 Resp: 944135

Ion	Ratio	Lower	Upper
169	100		
168	67.1	52.5	78.7
167	36.4	28.9	43.3

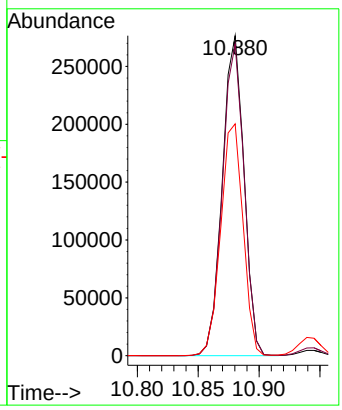




#67
4-Bromophenyl-phenylether
Concen: 51.178 ng
RT: 10.880 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:248 Resp: 34325

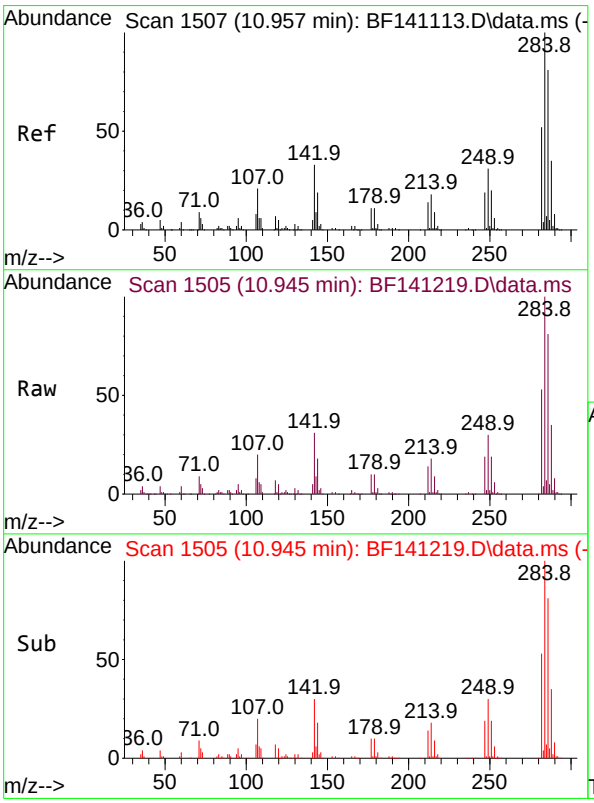
Ion	Ratio	Lower	Upper
248	100		
250	97.4	77.9	116.9
141	72.4	59.9	89.9



Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Manual Integrations
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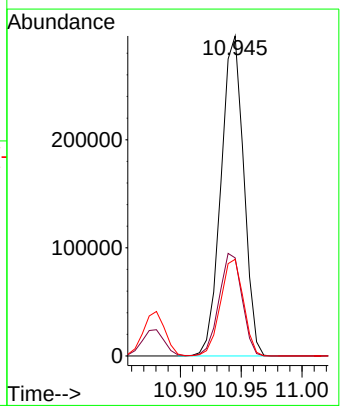
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

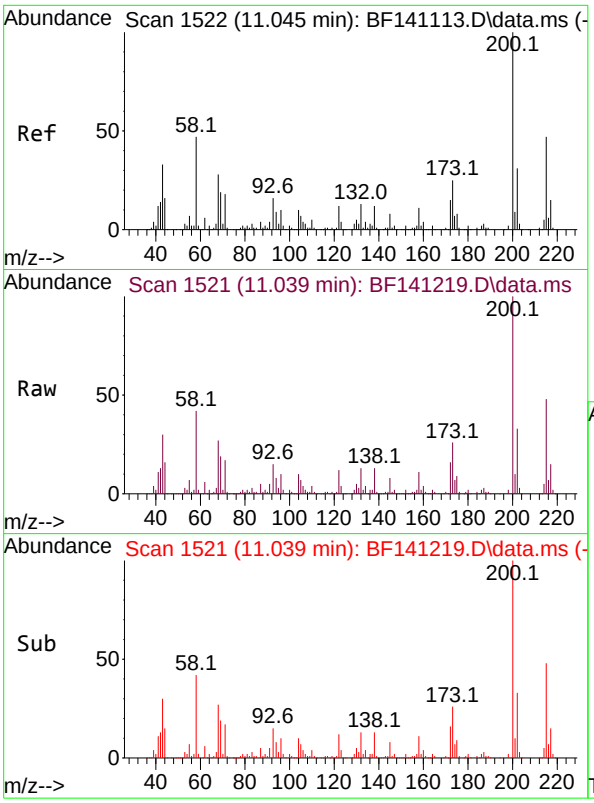


#68
Hexachlorobenzene
Concen: 51.556 ng
RT: 10.945 min Scan# 1505
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:284 Resp: 384926

Ion	Ratio	Lower	Upper
284	100		
142	30.6	26.3	39.5
249	30.2	24.9	37.3





#69
Atrazine
Concen: 63.889 ng
RT: 11.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

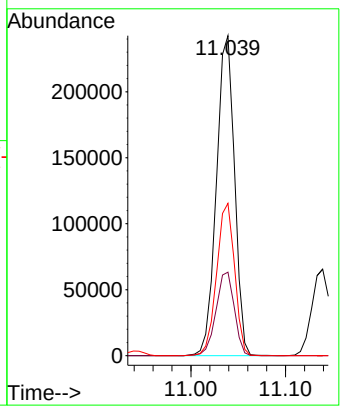
Instrument :
BNA_F
ClientSampleId :
PB166117BSD

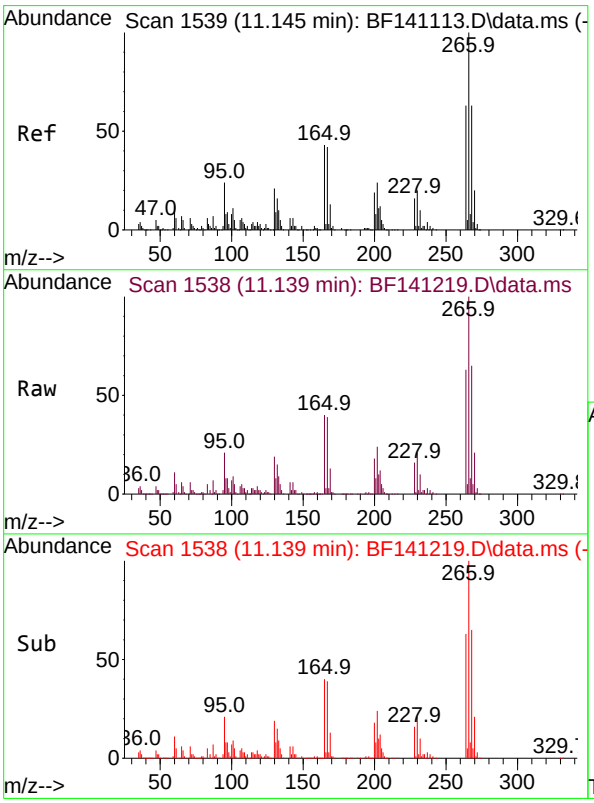
Tgt Ion:200 Resp: 32324

Ion	Ratio	Lower	Upper
200	100		
173	26.1	5.4	45.4
215	47.6	26.6	66.6

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Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

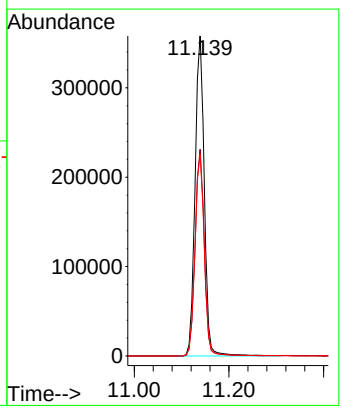


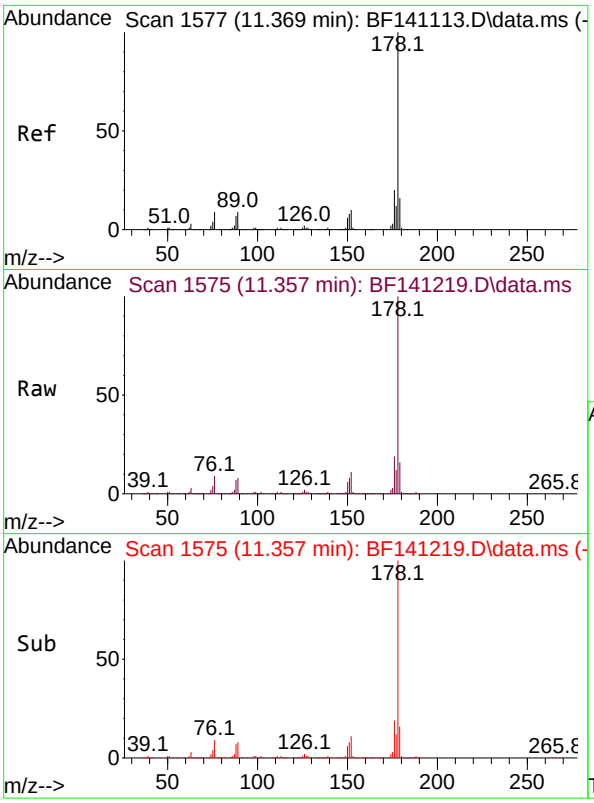


#70
Pentachlorophenol
Concen: 101.419 ng
RT: 11.139 min Scan# 1538
Delta R.T. -0.006 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:266 Resp: 484924

Ion	Ratio	Lower	Upper
266	100		
268	64.6	50.4	75.6
264	63.2	50.2	75.2

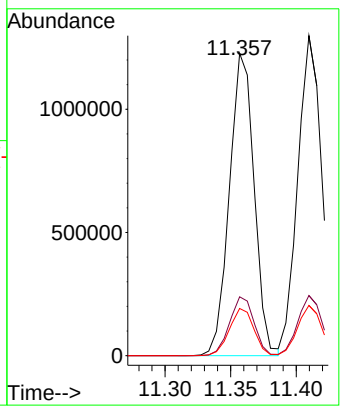




#71
Phenanthrene
Concen: 51.581 ng
RT: 11.357 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:178 Resp: 161324

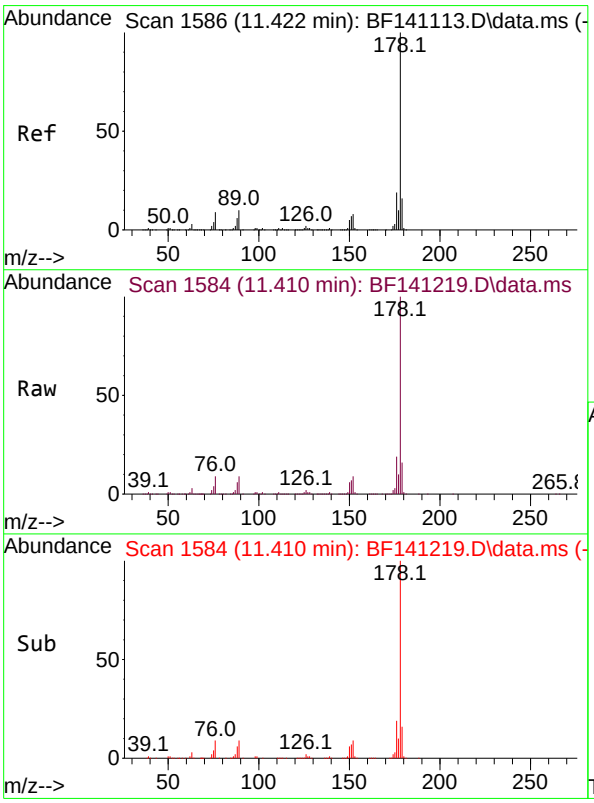
Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.7	23.5
179	15.6	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Manual Integrations
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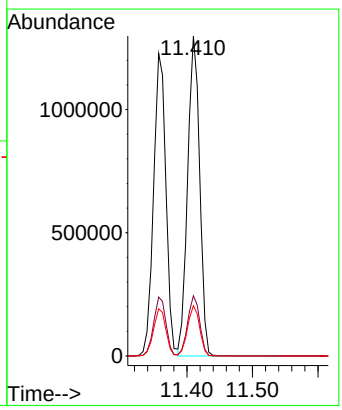
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

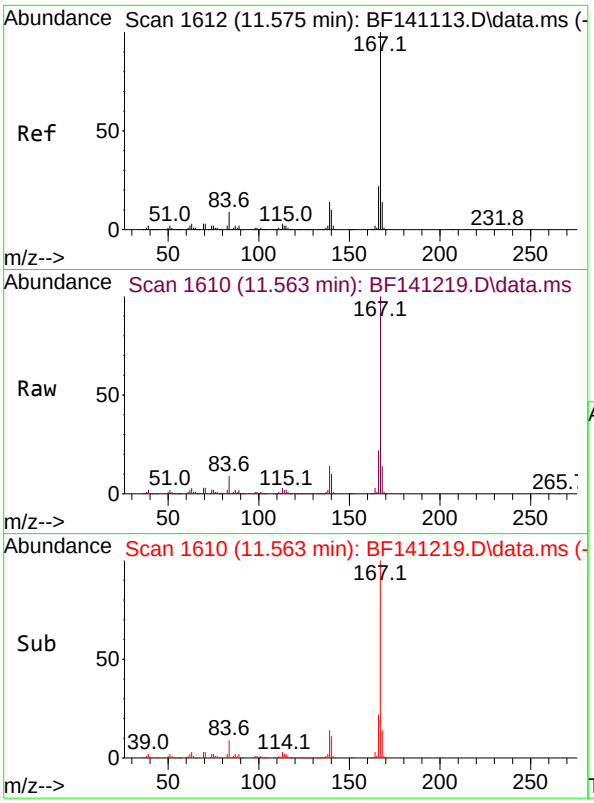


#72
Anthracene
Concen: 54.062 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:178 Resp: 1644084

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.9	22.3
179	15.7	12.6	19.0

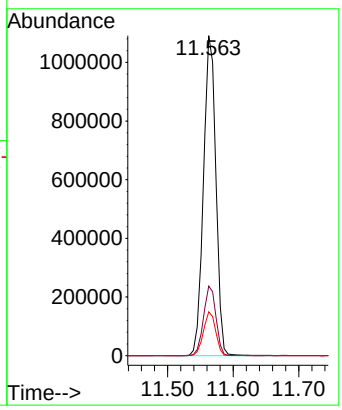




#73
Carbazole
Concen: 51.706 ng
RT: 11.563 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:167 Resp: 144182

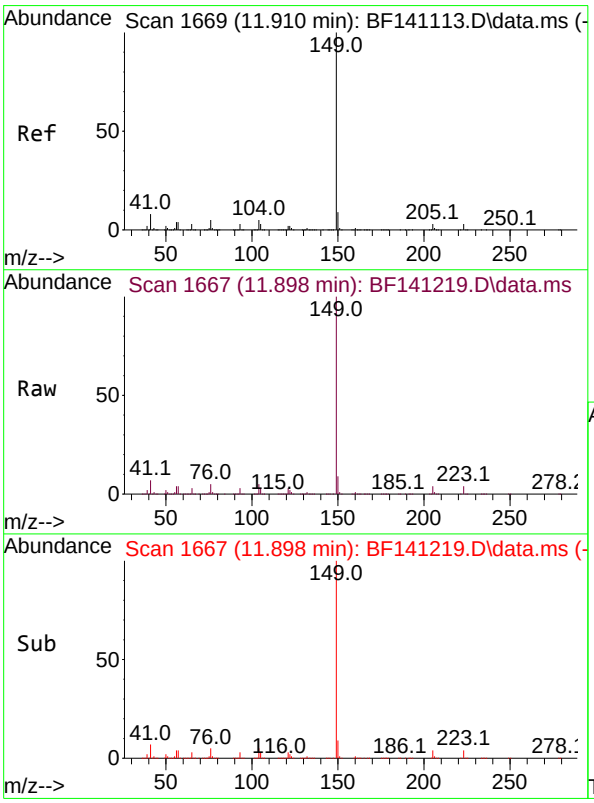
Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.4	26.2
139	13.7	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
PB166117BSD

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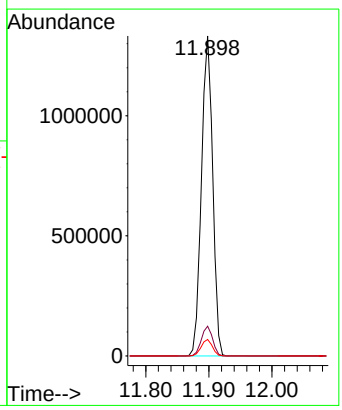
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

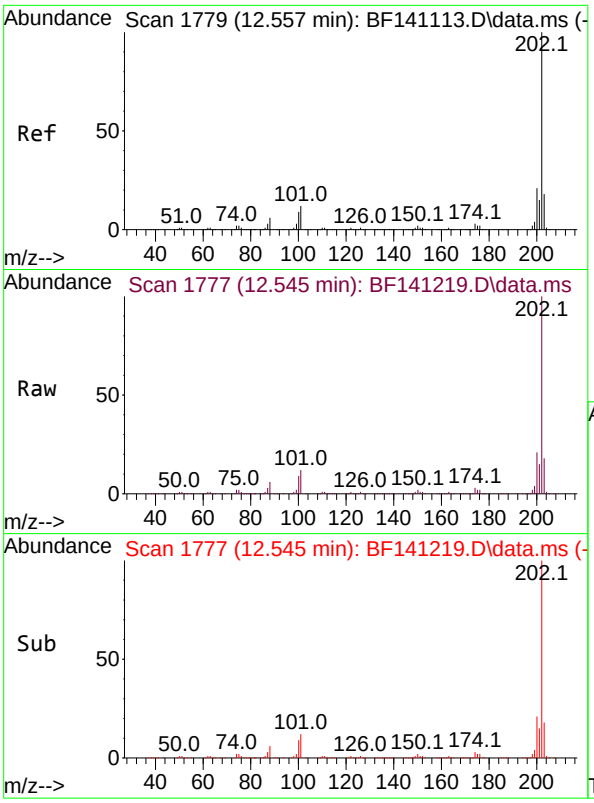


#74
Di-n-butylphthalate
Concen: 51.535 ng
RT: 11.898 min Scan# 1667
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:149 Resp: 1644597

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	5.2	4.2	6.2

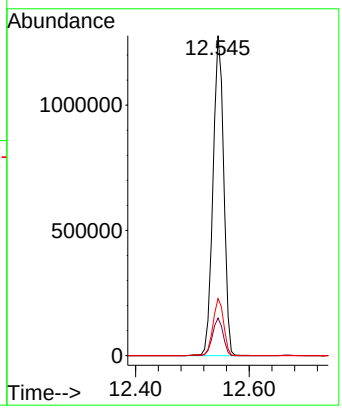




#75
Fluoranthene
Concen: 53.341 ng
RT: 12.545 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:202 Resp: 166479

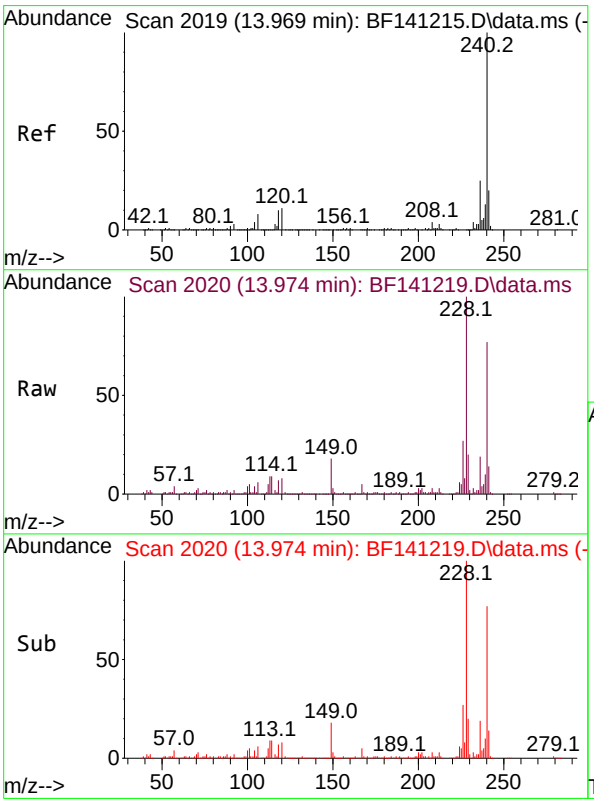
Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	32.3
203	17.8	0.0	37.7



Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Manual Integrations
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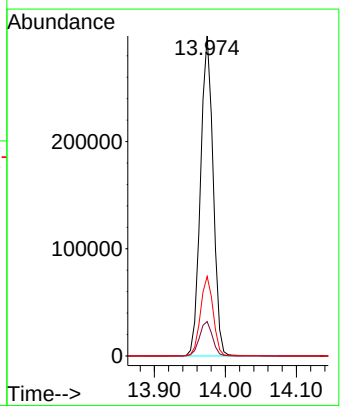
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

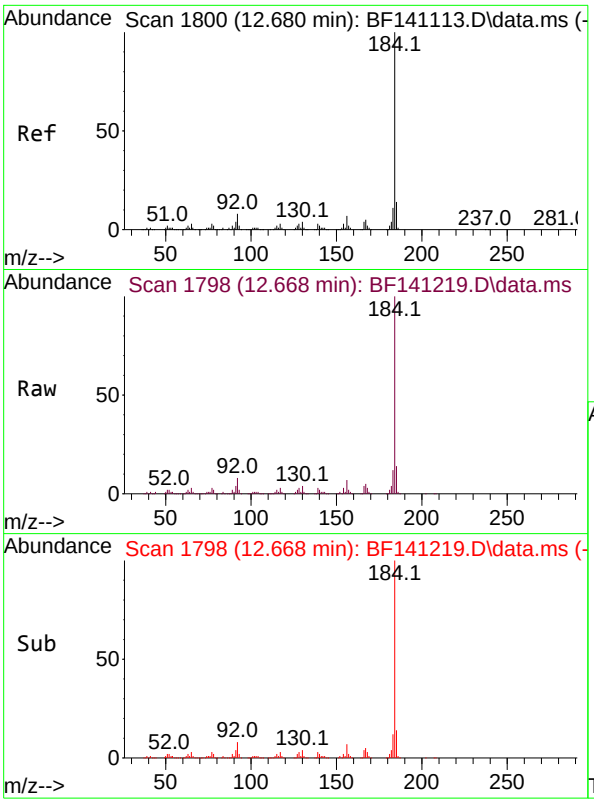


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:240 Resp: 369711

Ion	Ratio	Lower	Upper
240	100		
120	10.7	9.1	13.7
236	24.9	19.8	29.6

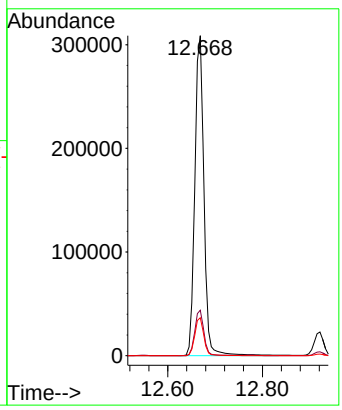




#77
Benzidine
Concen: 60.302 ng
RT: 12.668 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:184 Resp: 41343

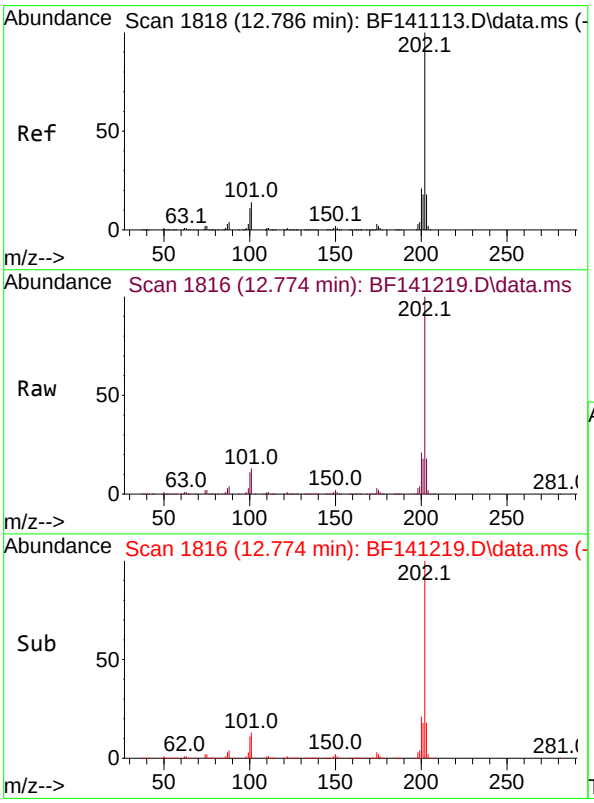
Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.4	17.0
183	11.8	9.2	13.8



Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Manual Integrations
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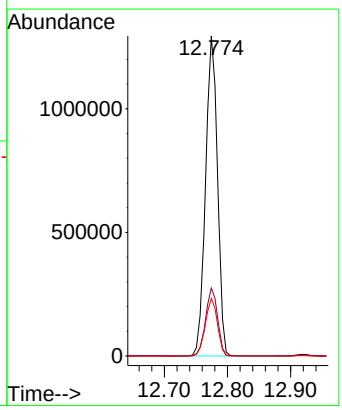
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

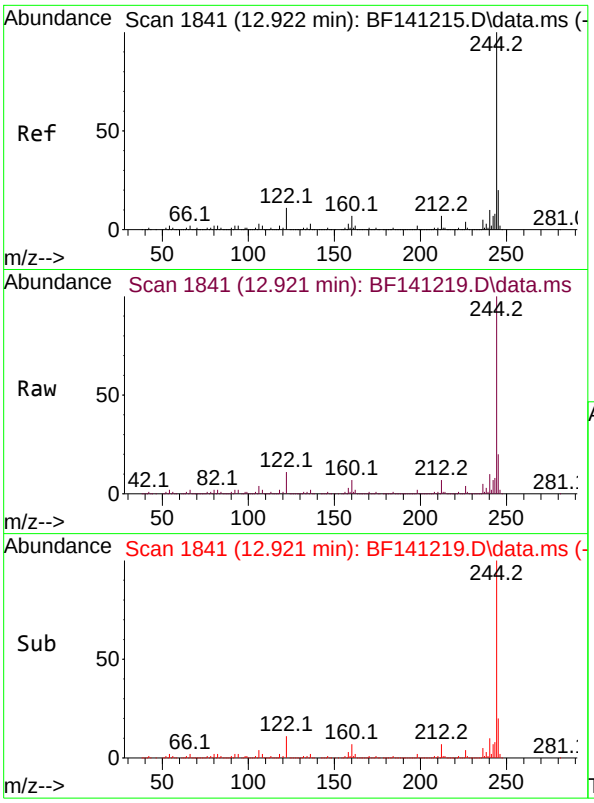


#78
Pyrene
Concen: 48.033 ng
RT: 12.774 min Scan# 1816
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:202 Resp: 1696152

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.8	25.2
203	17.9	14.3	21.5

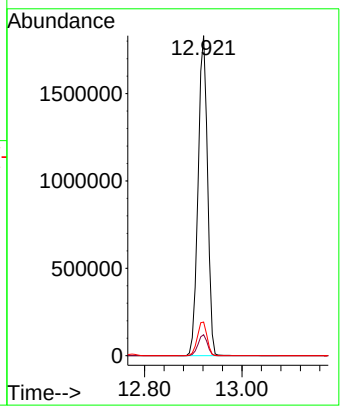




#79
Terphenyl-d14
Concen: 99.321 ng
RT: 12.921 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:244 Resp: 247057

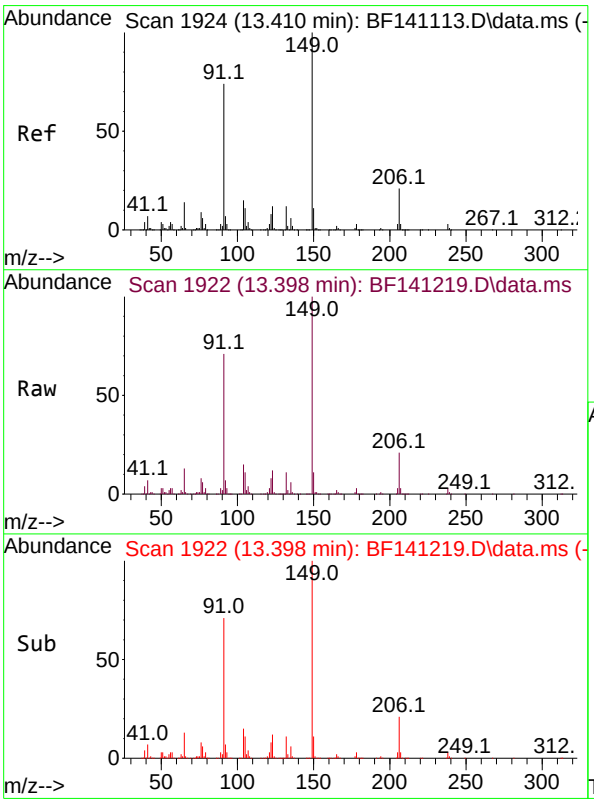
Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.2
122	10.5	8.8	13.2



Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Manual Integrations
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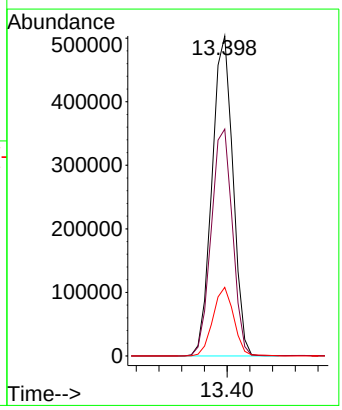
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

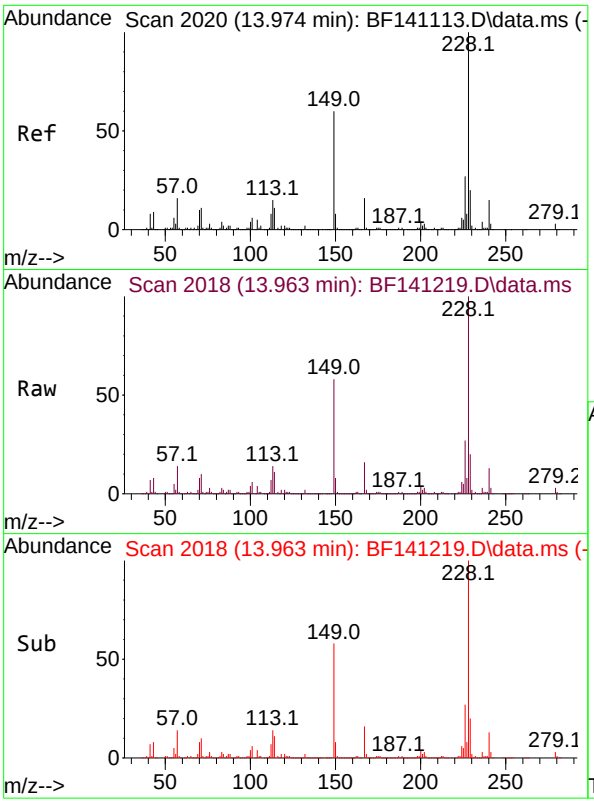


#80
Butylbenzylphthalate
Concen: 54.821 ng
RT: 13.398 min Scan# 1922
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:149 Resp: 645425

Ion	Ratio	Lower	Upper
149	100		
91	70.9	59.0	88.6
206	21.5	16.5	24.7

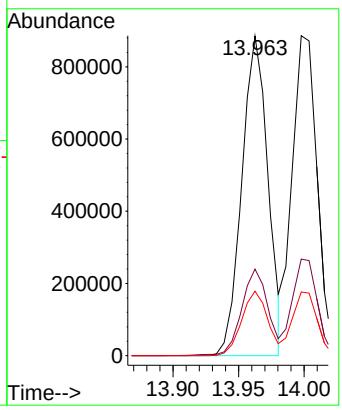




#81
Benzo(a)anthracene
Concen: 48.727 ng
RT: 13.963 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:228 Resp: 122602

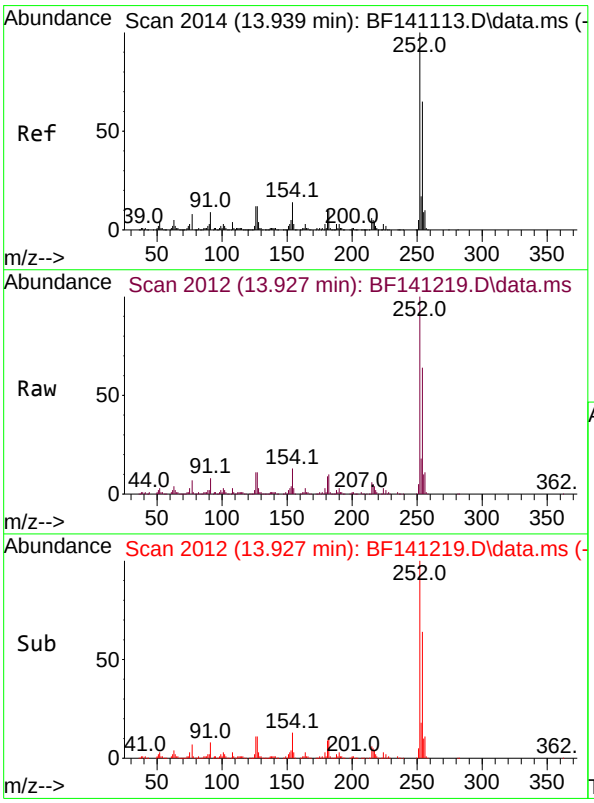
Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.7	32.5
229	20.2	15.7	23.5



Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Manual Integrations
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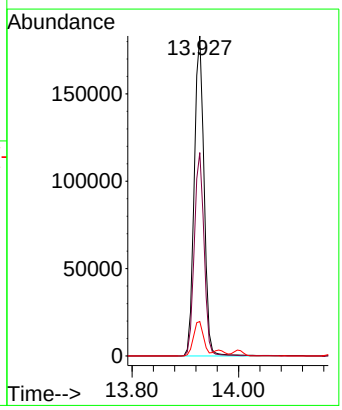
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

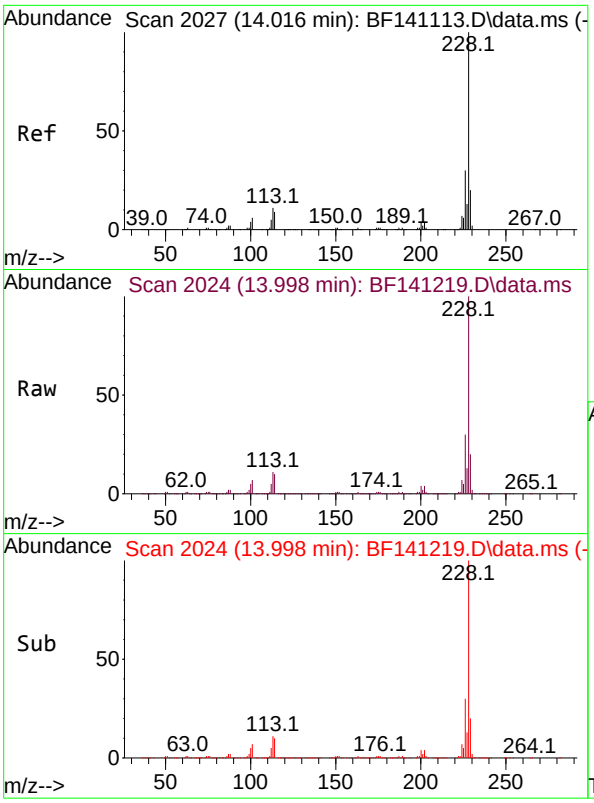


#82
3,3'-Dichlorobenzidine
Concen: 29.221 ng
RT: 13.927 min Scan# 2012
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:252 Resp: 234111

Ion	Ratio	Lower	Upper
252	100		
254	63.6	52.0	78.0
126	10.7	9.4	14.0

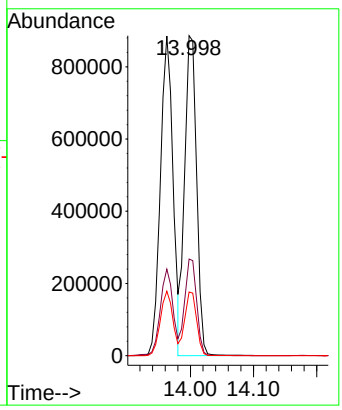




#83
Chrysene
Concen: 49.843 ng
RT: 13.998 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:228 Resp: 117346

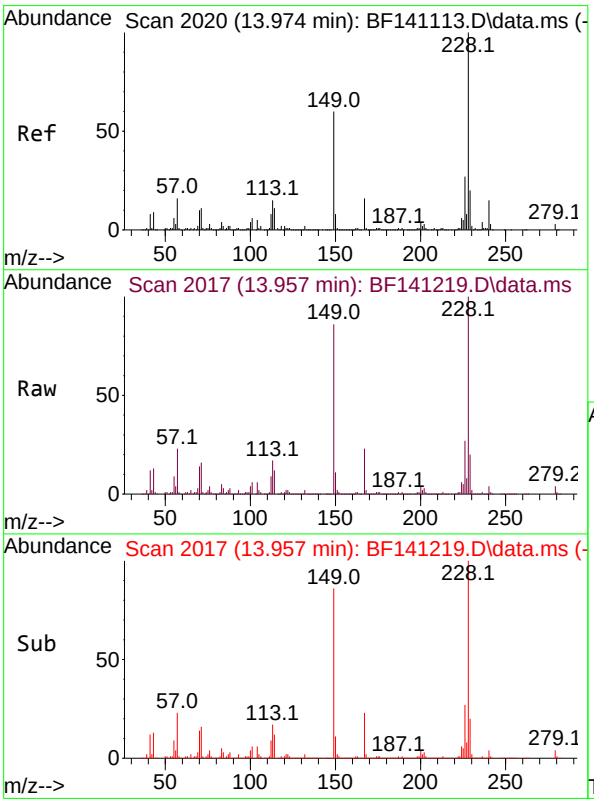
Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.8	35.8
229	19.9	15.8	23.8



Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Manual Integrations
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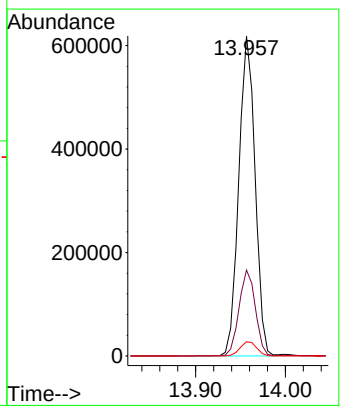
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

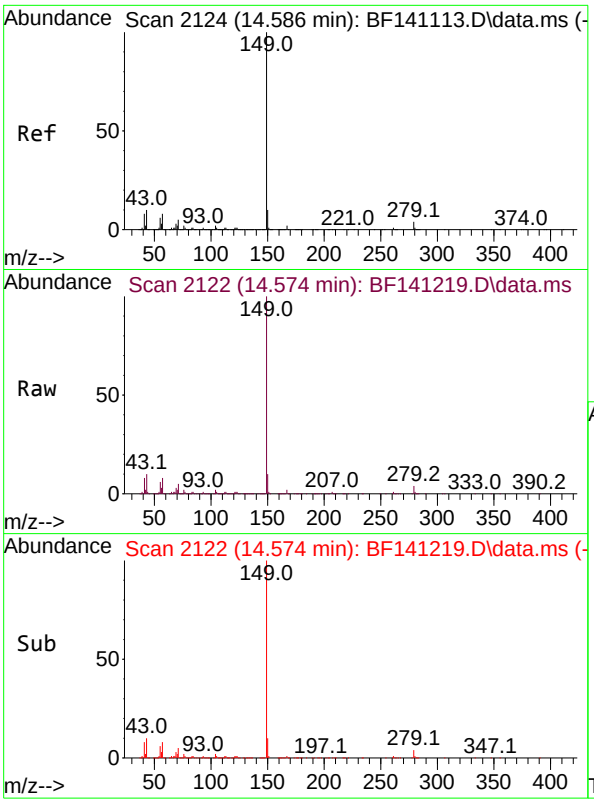


#84
Bis(2-ethylhexyl)phthalate
Concen: 55.141 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.018 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:149 Resp: 778945

Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.4	32.2
279	4.5	3.4	5.2

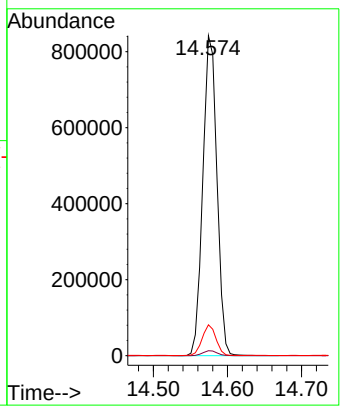




#85
Di-n-octyl phthalate
Concen: 52.245 ng
RT: 14.574 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:149 Resp: 111447

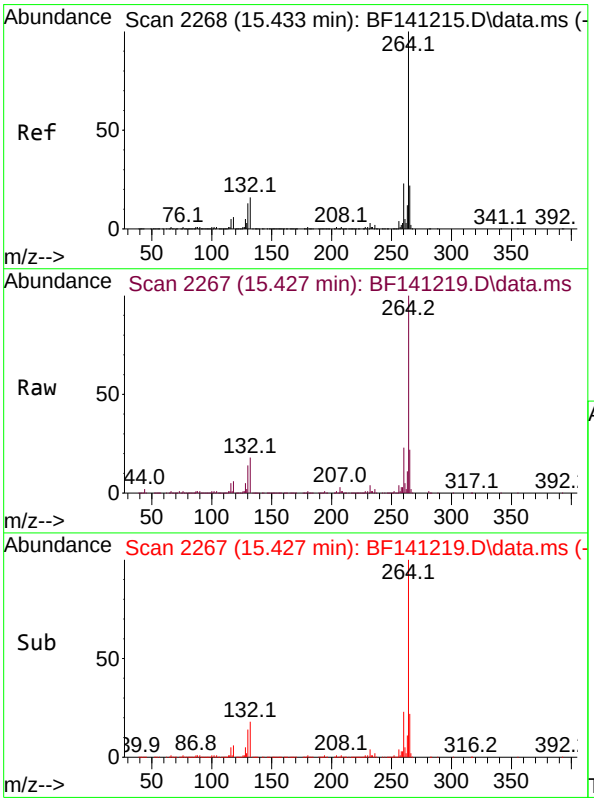
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	9.3	8.4	12.6



Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Manual Integrations
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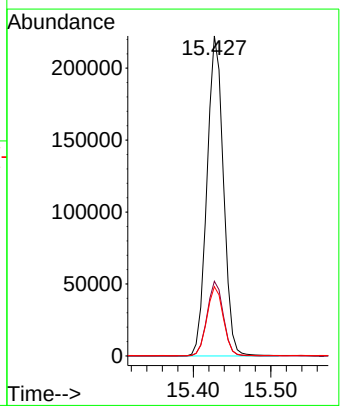
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

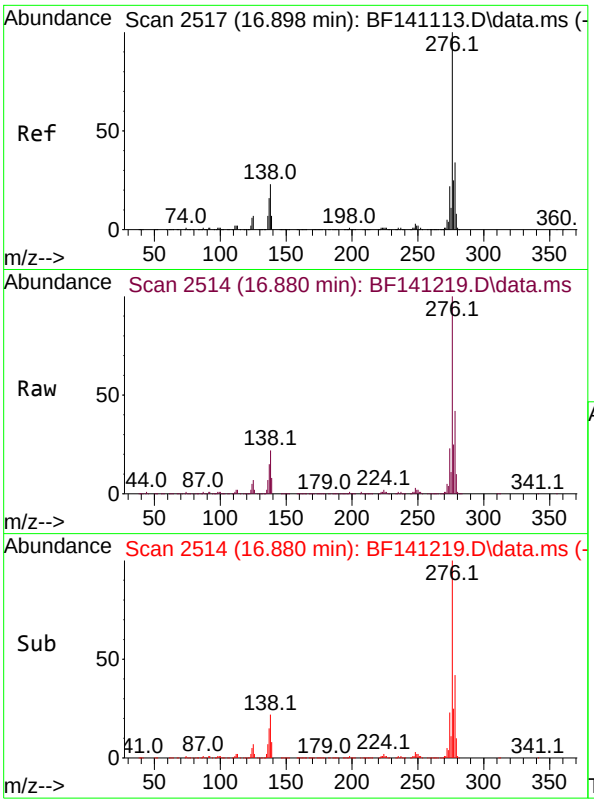


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2267
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:264 Resp: 327689

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	21.6	17.4	26.0

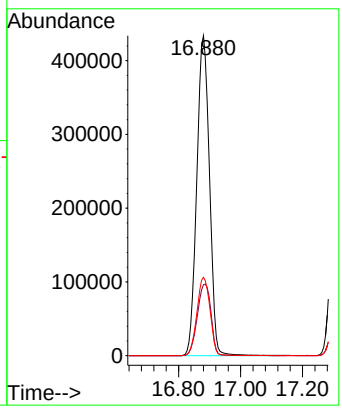




#87
Indeno(1,2,3-cd)pyrene
Concen: 51.296 ng
RT: 16.880 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:276 Resp: 123148

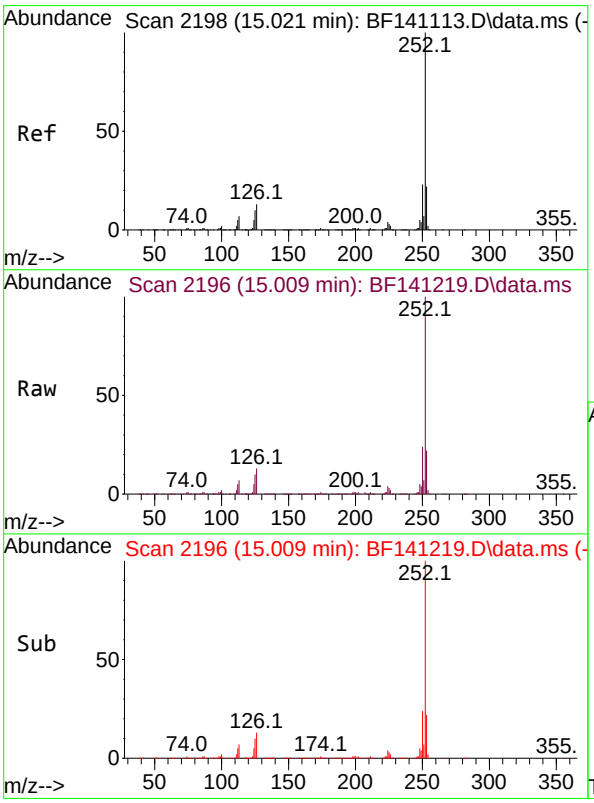
Ion	Ratio	Lower	Upper
276	100		
138	24.1	20.7	31.1
277	25.3	20.6	30.8



Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Manual Integrations
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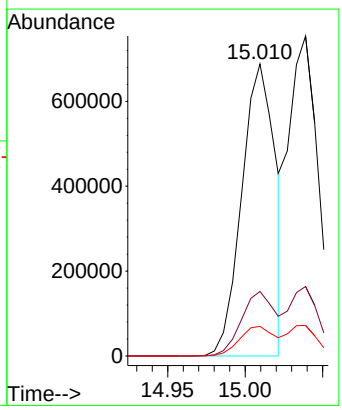
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

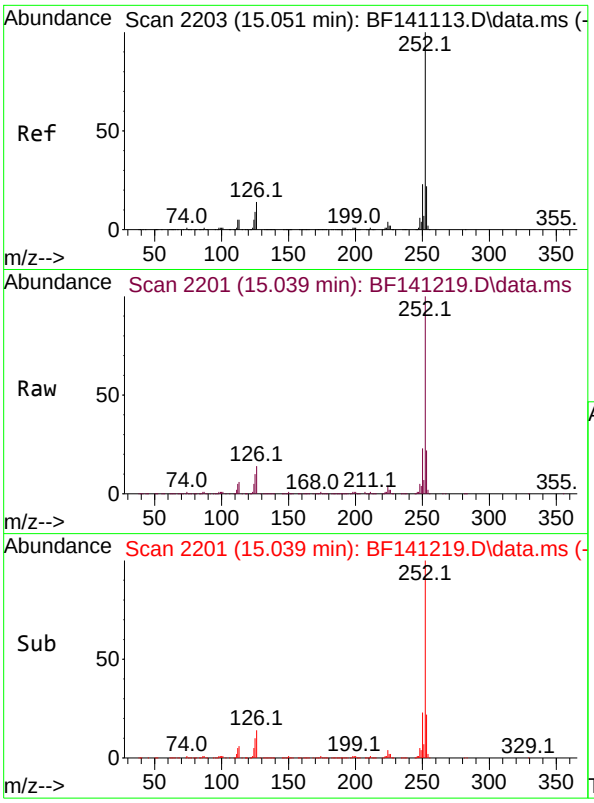


#88
Benzo(b)fluoranthene
Concen: 48.808 ng
RT: 15.009 min Scan# 2196
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:252 Resp: 1031329

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.6
125	10.2	8.1	12.1

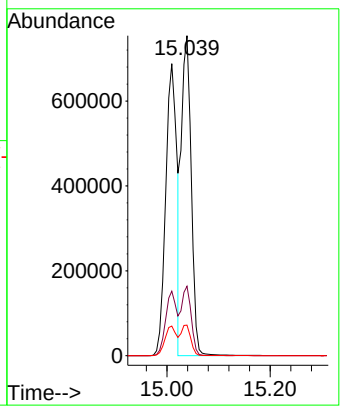




#89
Benzo(k)fluoranthene
Concen: 56.053 ng
RT: 15.039 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:252 Resp: 100093

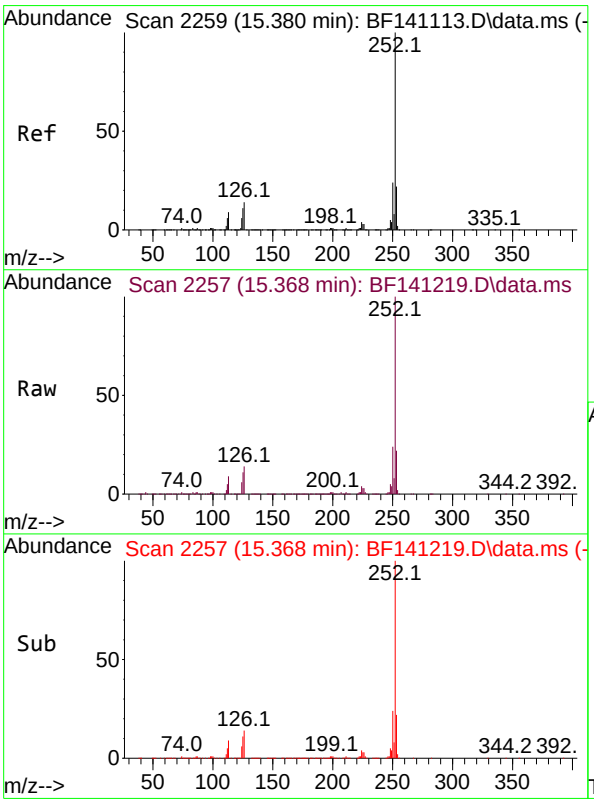
Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.8
125	9.5	7.9	11.9



Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Manual Integrations
APPROVED

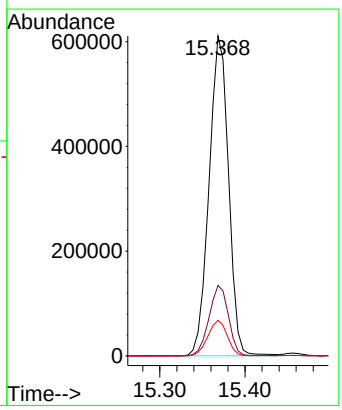
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025

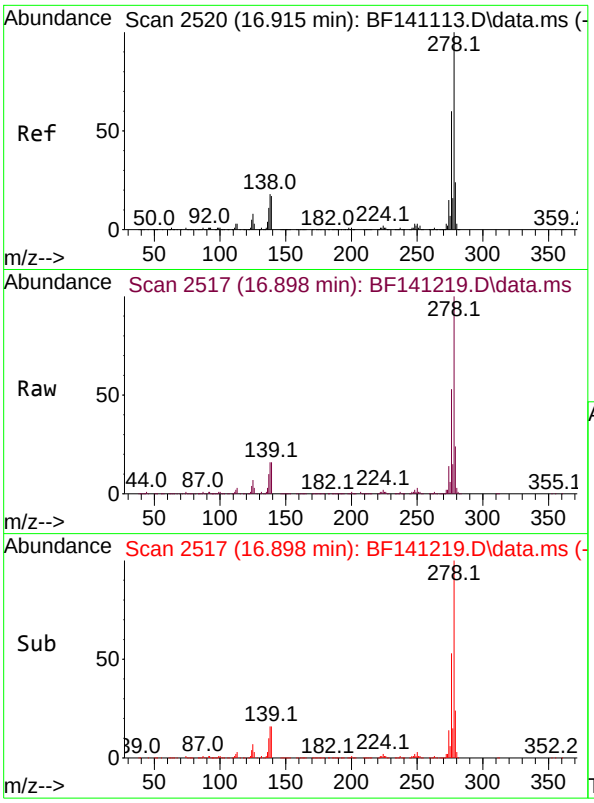


#90
Benzo(a)pyrene
Concen: 55.533 ng
RT: 15.368 min Scan# 2257
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:252 Resp: 968156

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	11.1	9.1	13.7

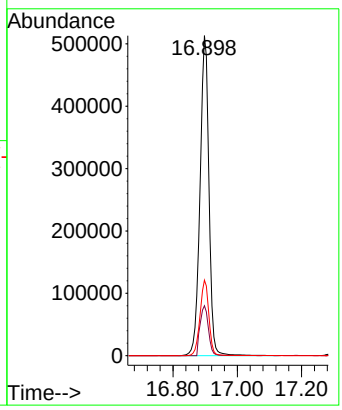




#91
Dibenzo(a,h)anthracene
Concen: 50.838 ng
RT: 16.898 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:278 Resp: 98714

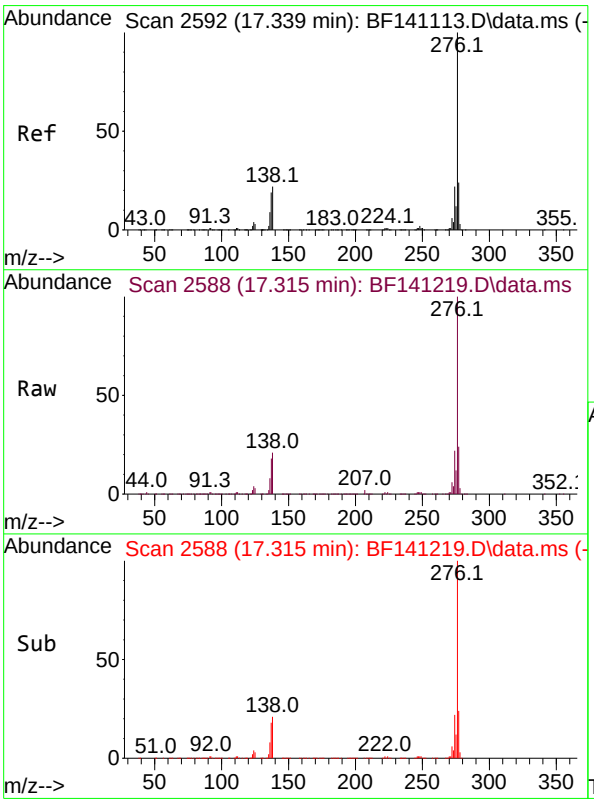
Ion	Ratio	Lower	Upper
278	100		
139	15.6	13.8	20.6
279	23.6	19.1	28.7



Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Manual Integrations
APPROVED

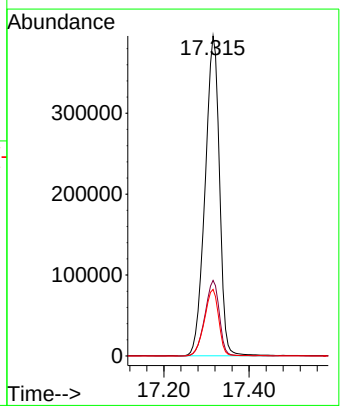
Reviewed By :Yogesh Patel 01/21/2025
Supervised By :mohammad ahmed 01/21/2025



#92
Benzo(g,h,i)perylene
Concen: 45.848 ng
RT: 17.315 min Scan# 2588
Delta R.T. -0.024 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:276 Resp: 925984

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.0	28.4
138	20.8	17.4	26.2



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Manual Integration Report

Sequence:	BF011025	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC050	BF141117.D	Caprolactam	yogesh	1/13/2025 12:24:19 AM	Jagrut	1/13/2025 11:53:40 AM	Peak Integrated by Software
SSTDICC080	BF141119.D	Aniline	yogesh	1/13/2025 12:24:20 AM	Jagrut	1/13/2025 11:53:42 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	BF012025	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF141212.D	Caprolactam	yogesh	1/21/2025 7:26:45 AM	mohammad	1/21/2025 7:41:40 AM	Peak Integrated by Software
PB166117BS	BF141218.D	Caprolactam	yogesh	1/21/2025 7:27:30 AM	mohammad	1/21/2025 7:41:40 AM	Peak Integrated by Software
PB166117BSD	BF141219.D	Caprolactam	yogesh	1/21/2025 7:27:40 AM	mohammad	1/21/2025 7:41:40 AM	Peak Integrated by Software
SSTDCCC040	BF141226.D	2,4-Dimethylphenol	yogesh	1/21/2025 7:28:08 AM	mohammad	1/21/2025 7:41:40 AM	Peak Integrated by Software
SSTDCCC040	BF141226.D	Caprolactam	yogesh	1/21/2025 7:28:08 AM	mohammad	1/21/2025 7:41:40 AM	Peak Integrated by Software

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF011025

Review By	yogesh	Review On	1/13/2025 12:24:27 AM				
Supervise By	Jagrut	Supervise On	1/13/2025 11:38:11 AM				
SubDirectory	BF011025	HP Acquire Method	BNA_F		HP Processing Method	bf011025	

STD. NAME	STD REF.#
Tune/Reschk	SP6701
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12647,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141108.D	10 Jan 2025 11:32	RC/JU	Ok
2	SSTDICC2.5	BF141109.D	10 Jan 2025 11:58	RC/JU	Ok
3	SSTDICC005	BF141110.D	10 Jan 2025 12:25	RC/JU	Ok
4	SSTDICC010	BF141111.D	10 Jan 2025 13:17	RC/JU	Ok
5	SSTDICC020	BF141112.D	10 Jan 2025 14:10	RC/JU	Ok
6	SSTDICCC040	BF141113.D	10 Jan 2025 14:36	RC/JU	Ok
7	SSTDICC050	BF141114.D	10 Jan 2025 15:03	RC/JU	Not Ok
8	SSTDICC060	BF141115.D	10 Jan 2025 15:29	RC/JU	Not Ok
9	SSTDICC080	BF141116.D	10 Jan 2025 15:56	RC/JU	Not Ok
10	SSTDICC050	BF141117.D	10 Jan 2025 16:53	RC/JU	Ok,M
11	SSTDICC060	BF141118.D	10 Jan 2025 17:19	RC/JU	Ok
12	SSTDICC080	BF141119.D	10 Jan 2025 17:45	RC/JU	Ok,M
13	SSTDICV040	BF141120.D	10 Jan 2025 18:12	RC/JU	Ok
14	PB166008BL	BF141121.D	10 Jan 2025 18:38	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF012025

Review By	yogesh	Review On	1/21/2025 7:28:26 AM				
Supervise By	mohammad	Supervise On	1/21/2025 7:41:40 AM				
SubDirectory	BF012025	HP Acquire Method	BNA_F		HP Processing Method	bf011025	

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12647,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF141211.D	20 Jan 2025 09:40	RC/JU	Ok
2	SSTDCCC040	BF141212.D	20 Jan 2025 10:37	RC/JU	Ok,M
3	PB166115BL	BF141213.D	20 Jan 2025 11:03	RC/JU	Ok
4	PB166115BS	BF141214.D	20 Jan 2025 11:30	RC/JU	Ok,M
5	PB166067TB	BF141215.D	20 Jan 2025 11:56	RC/JU	Ok
6	PB166097BS	BF141216.D	20 Jan 2025 12:22	RC/JU	Ok,M
7	PB166117BL	BF141217.D	20 Jan 2025 12:49	RC/JU	Ok
8	PB166117BS	BF141218.D	20 Jan 2025 13:15	RC/JU	Ok,M
9	PB166117BSD	BF141219.D	20 Jan 2025 13:41	RC/JU	Ok,M
10	Q1109-02	BF141220.D	20 Jan 2025 14:13	RC/JU	Ok
11	Q1122-01	BF141221.D	20 Jan 2025 14:39	RC/JU	Ok
12	Q1119-01DL	BF141222.D	20 Jan 2025 15:05	RC/JU	Ok
13	Q1134-01	BF141223.D	20 Jan 2025 15:32	RC/JU	Ok,M
14	Q1132-04	BF141224.D	20 Jan 2025 15:58	RC/JU	Ok,M
15	Q1133-01	BF141225.D	20 Jan 2025 16:24	RC/JU	Ok,M
16	SSTDCCC040	BF141226.D	20 Jan 2025 16:58	RC/JU	Ok,M

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF011025

Review By	yogesh	Review On	1/13/2025 12:24:27 AM		
Supervise By	Jagrut	Supervise On	1/13/2025 11:38:11 AM		
SubDirectory	BF011025	HP Acquire Method	BNA_F	HP Processing Method	bf011025

STD. NAME	STD REF.#
Tune/Reschk	SP6701
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12647,10ul/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	BF141108.D	10 Jan 2025 11:32		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF141109.D	10 Jan 2025 11:58		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF141110.D	10 Jan 2025 12:25	Compound #54 removed from 5ppm	RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF141111.D	10 Jan 2025 13:17		RC/JU	Ok
5	SSTDICC020	SSTDICC020	BF141112.D	10 Jan 2025 14:10		RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BF141113.D	10 Jan 2025 14:36	The Calibration is Good For 8270 DOD and good for 625.1 Method	RC/JU	Ok
7	SSTDICC050	SSTDICC050	BF141114.D	10 Jan 2025 15:03	Not Used	RC/JU	Not Ok
8	SSTDICC060	SSTDICC060	BF141115.D	10 Jan 2025 15:29	Not Used	RC/JU	Not Ok
9	SSTDICC080	SSTDICC080	BF141116.D	10 Jan 2025 15:56	Not Used	RC/JU	Not Ok
10	SSTDICC050	SSTDICC050	BF141117.D	10 Jan 2025 16:53		RC/JU	Ok,M
11	SSTDICC060	SSTDICC060	BF141118.D	10 Jan 2025 17:19		RC/JU	Ok
12	SSTDICC080	SSTDICC080	BF141119.D	10 Jan 2025 17:45	Compound #9 removed from 80ppm	RC/JU	Ok,M
13	SSTDICV040	ICVBF011025	BF141120.D	10 Jan 2025 18:12	Com# 69 & 77 failed in ICV for DOD	RC/JU	Ok
14	PB166008BL	PB166008BL	BF141121.D	10 Jan 2025 18:38		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF012025

Review By	yogesh	Review On	1/21/2025 7:28:26 AM		
Supervise By	mohammad	Supervise On	1/21/2025 7:41:40 AM		
SubDirectory	BF012025	HP Acquire Method	BNA_F	HP Processing Method	bf011025

STD. NAME	STD REF.#
Tune/Reschk	SP6717
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12647,10ul/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	BF141211.D	20 Jan 2025 09:40		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF141212.D	20 Jan 2025 10:37		RC/JU	Ok,M
3	PB166115BL	PB166115BL	BF141213.D	20 Jan 2025 11:03		RC/JU	Ok
4	PB166115BS	PB166115BS	BF141214.D	20 Jan 2025 11:30		RC/JU	Ok,M
5	PB166067TB	PB166067TB	BF141215.D	20 Jan 2025 11:56		RC/JU	Ok
6	PB166097BS	PB166097BS	BF141216.D	20 Jan 2025 12:22		RC/JU	Ok,M
7	PB166117BL	PB166117BL	BF141217.D	20 Jan 2025 12:49		RC/JU	Ok
8	PB166117BS	PB166117BS	BF141218.D	20 Jan 2025 13:15		RC/JU	Ok,M
9	PB166117BSD	PB166117BSD	BF141219.D	20 Jan 2025 13:41		RC/JU	Ok,M
10	Q1109-02	TAPIAL1-MW04S-0115	BF141220.D	20 Jan 2025 14:13		RC/JU	Ok
11	Q1122-01	RW10A-20250116	BF141221.D	20 Jan 2025 14:39		RC/JU	Ok
12	Q1119-01DL	FILTER CAKEDL	BF141222.D	20 Jan 2025 15:05		RC/JU	Ok
13	Q1134-01	EO-1-011725	BF141223.D	20 Jan 2025 15:32		RC/JU	Ok,M
14	Q1132-04	HD-2-011725	BF141224.D	20 Jan 2025 15:58		RC/JU	Ok,M
15	Q1133-01	TR-04-1172025	BF141225.D	20 Jan 2025 16:24		RC/JU	Ok,M
16	SSTDCCC040	SSTDCCC040EC	BF141226.D	20 Jan 2025 16:58		RC/JU	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB166117

SOP ID: M3510C,3580A-Extraction SVOC-20

Clean Up SOP #: N/A

Matrix : Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3574

Extraction By: RS

Filter By: RS

pH Meter ID: N/A

Hood ID: 4,6,7

Extraction Start Date : 01/17/2025

Extraction Start Time : 11:40

Extraction End Date : 01/17/2025

Extraction End Time : 16:25

Concentration By: EH

Supervisor By : rajesh

Extraction Method: [√] Seperatory Funnel [_] Continious Liquid/Liquid [_] Sonication [_] Waste Dilution [_] Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	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	EP2577
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. p H Adjusted<2 with 1:1 H2SO4 &>11 with 10N NaOH.

KD Bath ID: Water bath -01,02

KD Bath Temperature: 60 °C

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
01/17/25	RP (Fat Lab)	RC/SVOC
16:30	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB166117

Analytical Method: M3510C,3580A-Extraction SVOC-20

Concentration Date: 01/17/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB166117BL	SBLK117	SVOC-TCL BNA -20	1000	6	RUPESH	rajesh	1			SEP-12
PB166117BS	SLCS117	SVOC-TCL BNA -20	1000	6	RUPESH	rajesh	1			13
PB166117BSD	SLCSD117	SVOC-TCL BNA -20	1000	6	RUPESH	rajesh	1			14
Q1109-02	TAPIAL1-MW04S-011525-00-T2	SVOC-TCL BNA -20	980	6	RUPESH	rajesh	1	O		15
Q1122-01	RW10A-20250116	SVOC-TCL BNA -20	990	6	RUPESH	rajesh	1	H		16

* **Extracts relinquished on the same date as received.**

01/17 11:35

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1122S **WorkList ID :** 186995 **Department :** Extraction **Date :** 01-17-2025 11:35:34

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1109-02	TAPIAL1-MW04S-011525-00-T2	Water	SVOC-TCL BNA -20	Cool 4 deg C	WEST04	M11	01/15/2025	8270E
Q1122-01	RW10A-20250116	Water	SVOC-TCL BNA -20	Cool 4 deg C	TETR06	E11	01/16/2025	8270E

Date/Time 01/17/25 11:35
Raw Sample Received by: RJ (Cox) (LG)
Raw Sample Relinquished by: CR

Date/Time 01/17/25 12:00
Raw Sample Received by: CR
Raw Sample Relinquished by: RJ (Cox) (LG)

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Prep Standard - Chemical Standard Summary

Order ID : Q1122

Test : SVOC-TCL BNA -20

Prepbatch ID : PB166117,

Sequence ID/Qc Batch ID: BF012025,

Standard ID :
EP2559,EP2565,EP2577,SP6638,SP6672,SP6673,SP6674,SP6675,SP6676,SP6677,SP6678,SP6679,SP6680,SP6681,SP6685,SP6686,SP6717,

Chemical ID :
10ul/1000ul sample,E3551,E3657,E3815,E3827,E3828,E3848,E3871,M5173,S10103,S10246,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,S12511,S12512,S12513,S12514,S12515,S12516,S12517,S12647,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	EP2577	01/06/2025	07/01/2025	Rajesh Parikh	Extraction_SCALE_2 (EX-SC-2)	None	RUPESHKUMAR SHAH 01/06/2025

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
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

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3764	8270/625 Stock solution 100 ng	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

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

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
412	60 ng BNA ICC, 60 PPM	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

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

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
410	40 ng BNA ICC, 40 PPM	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

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

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
408	10 ng BNA ICC, 10 PPM	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

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

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
175	2.5 ng BNA ICC, 2.5 PPM	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

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

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
18	Second Source Calibration Stock Standard, 100 PPM, (8270/625/CLP)	SP6685	11/15/2024	04/10/2025	Jagrut Upadhyay	None	None	Yogesh Patel 12/27/2024

FROM 0.04000ml of S12189 + 0.08000ml of S12208 + 0.10000ml of S11074 + 0.20000ml of S12142 + 0.20000ml of S12469 + 0.20000ml of S12517 + 1.18000ml of E3828 = Final Quantity: 2.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
416	40 ng BNA ICV, 40 PPM	SP6686	11/15/2024	04/10/2025	Jagrut Upadhyay	None	None	Yogesh Patel 12/27/2024

FROM 0.01000ml of S12327 + 0.60000ml of E3828 + 0.40000ml of SP6685 = Final Quantity: 1.010 ml

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SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3895	50 ug/ml DFTPP 8270E	SP6717	01/15/2025	03/31/2025	Rahul Chavli	None	None	Yogesh Patel 01/16/2025

FROM 1.00000ml of S10246 + 19.00000ml of E3871 = Final Quantity: 20.000 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-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

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

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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	07/14/2025	01/14/2025 / Rajesh	12/27/2024 / Rajesh	E3871

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	03/31/2025	01/15/2025 / Rahul	03/18/2022 / Christian	S10246

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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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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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0189418	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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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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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110817-01 / Custom 8270 Mix, 4-55, 1000 mg/L, 1 ml, (Maximum Expiration: 90 Days)	414125	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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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	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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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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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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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	07/08/2025	01/08/2025 / anahy	09/20/2024 / anahy	S12647

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

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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

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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

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to
S11088

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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

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S11089
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S11093

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Certified By: _____
Shane Overcash
Chemist

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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
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Certified By: _____
Shane Overcash
Chemist

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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

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S9236
to
S9240

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Certified By: Erica Castiglione

Erica Castiglione
Chemist

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~~S11097~~ S11096 to S11099

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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

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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

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Certified By: Briana Smith

Briana Smith
Chemist

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Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010442-07	495833	≤ -10 °C	Methylene Chloride	1/16/2028	Benzaldehyde Solution, 1000 mg/L, 1.3 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
benzaldehyde	100-52-7	98.3	442.421.1P	996.8 ± 11.49

Received on
02/07/23
by CG

S11101
to
S11103

*Not a certified value

Certified By: S. Hunter

Scott Hunter
Chemist

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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.

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)

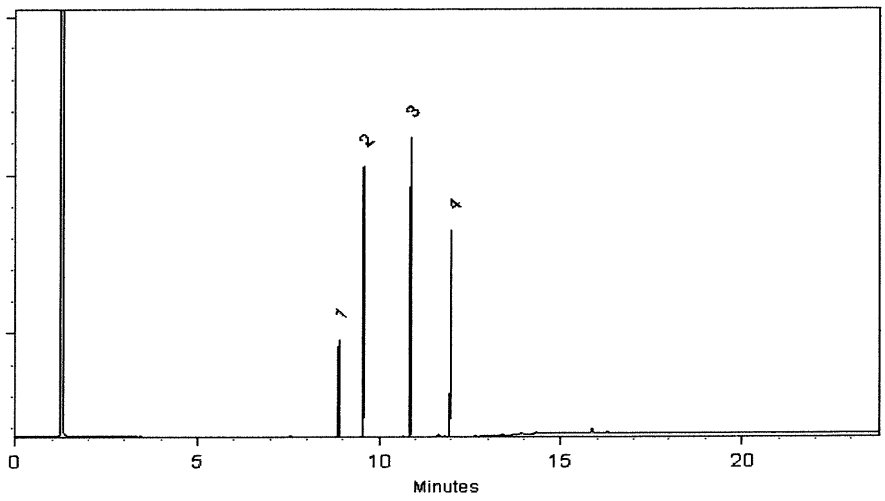
Carrier Gas:
hydrogen-constant pressure 10 psi.

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
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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 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)

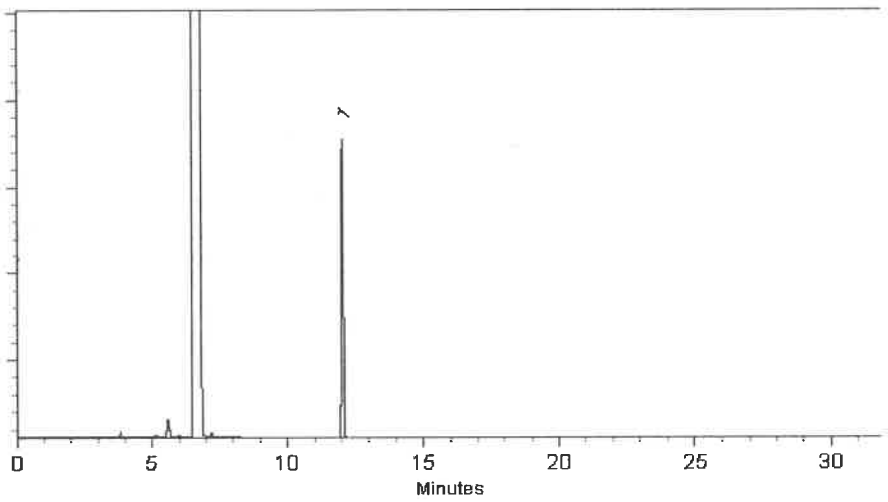
Carrier Gas:
hydrogen-constant pressure 11.0 psi.

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)

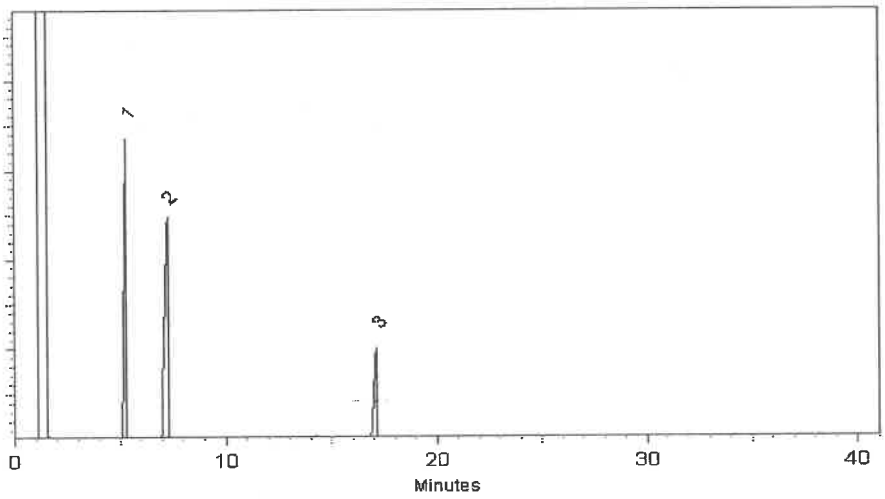
Carrier Gas:
hydrogen-constant pressure 10 psi.

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)

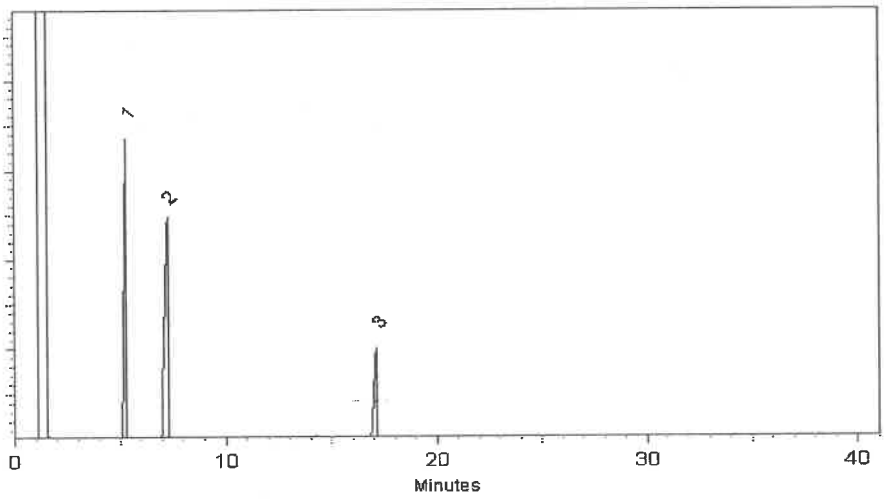
Carrier Gas:
hydrogen-constant pressure 10 psi.

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

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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)

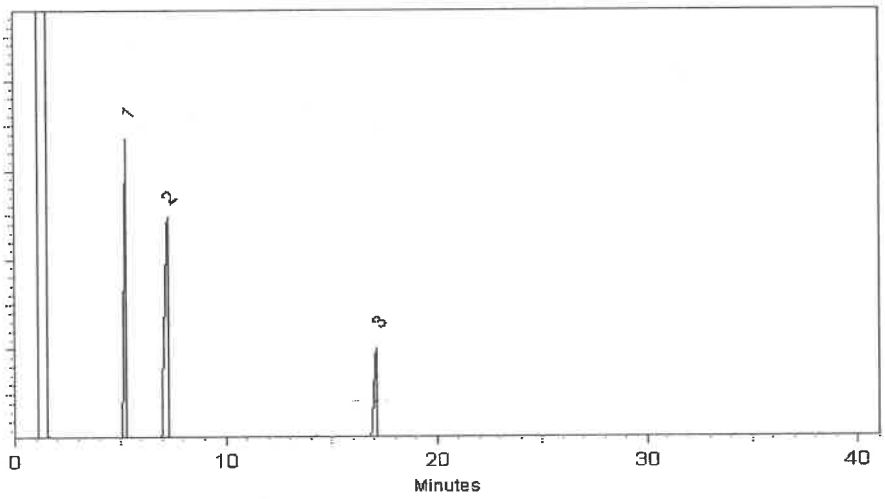
Carrier Gas:
hydrogen-constant pressure 10 psi.

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 $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)

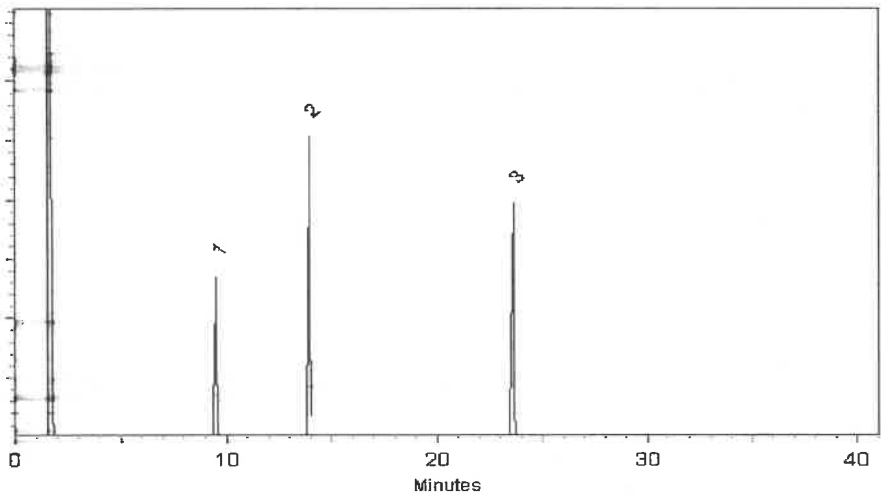
Carrier Gas:
hydrogen-constant pressure 10 psi.

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)

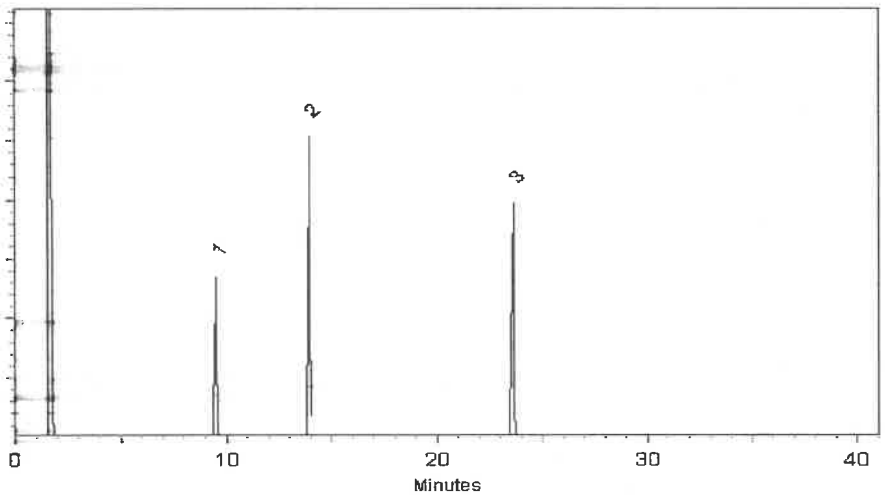
Carrier Gas:
hydrogen-constant pressure 10 psi.

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



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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

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.

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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)

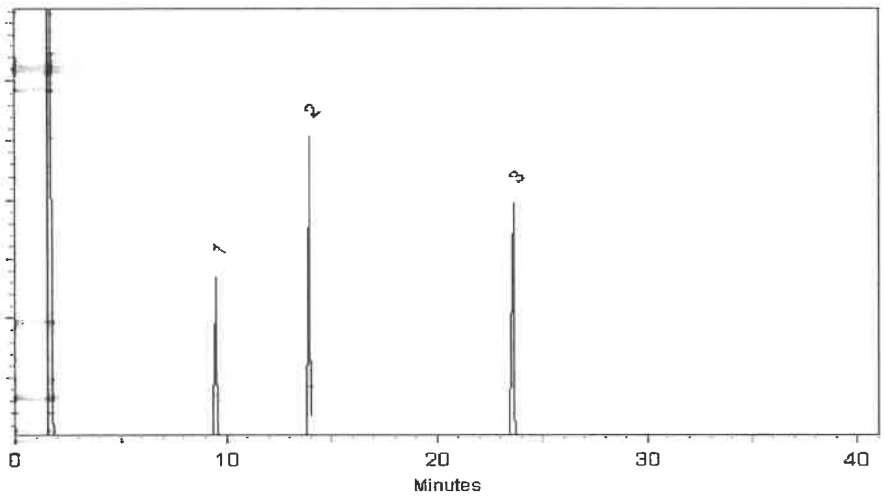
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hydrogen-constant pressure 10 psi.

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40°C (hold 2 min.) to 330°C
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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

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CAS # 75-09-2
Purity 99%

Tech Tips:
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Column:
30m x 0.25mm x 0.25µm
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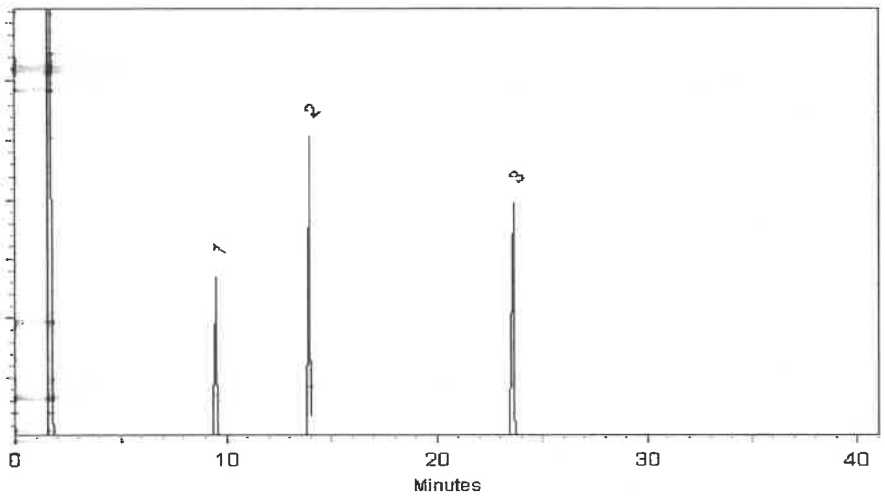
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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

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Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
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Column:
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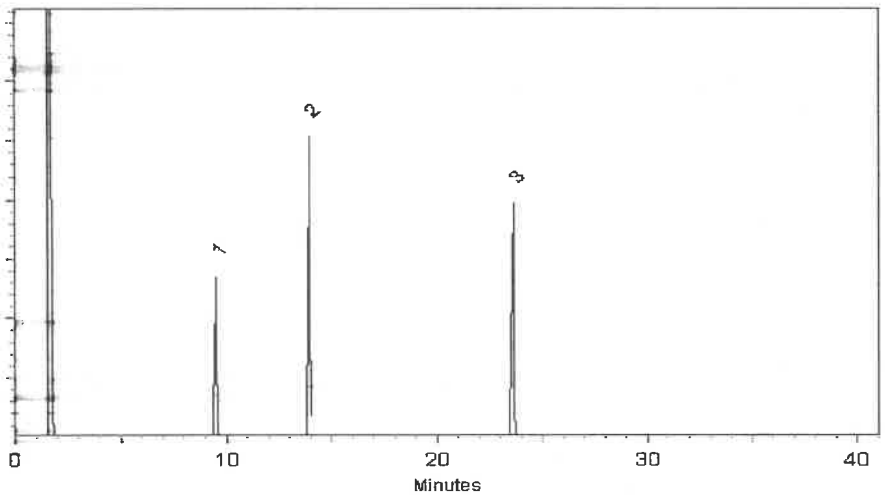
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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

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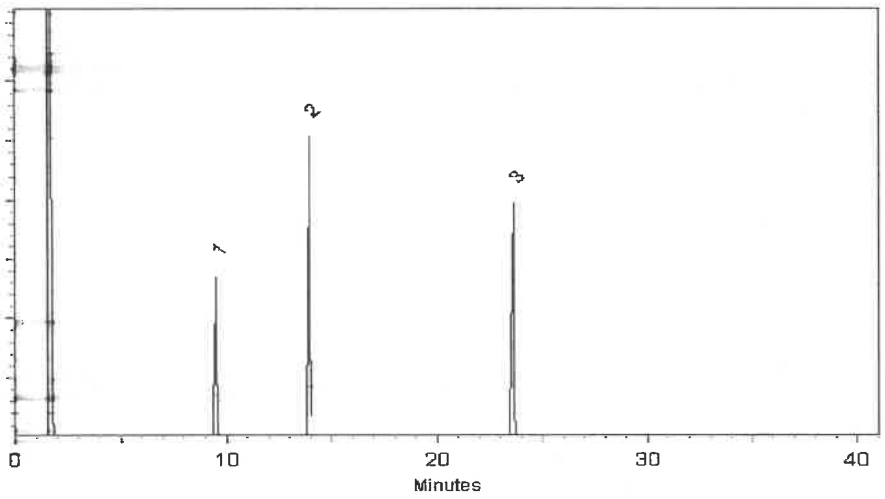
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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 13-Sep-2022

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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:
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Column:
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Rtx-5 (cat.#10223)

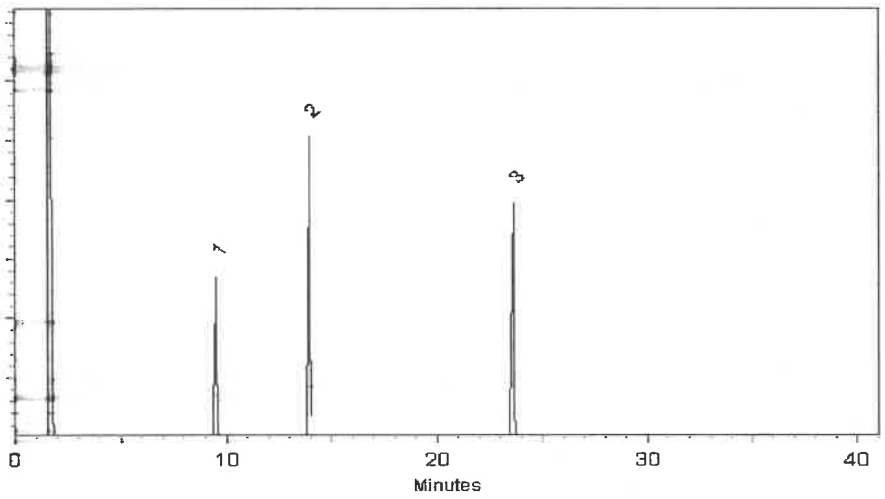
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Temp. Program:
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Det. Type:
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John Friedline - Operations Technician I

Date Mixed: 09-Sep-2022 **Balance:** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

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gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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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

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gravimetric

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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:

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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: 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

12/9-1/24

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 3871

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.

CPI INTERNATIONAL

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Santa Rosa, CA 95403

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(800)878-7654 Toll Free
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Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110094-02	506889	≤ -10 °C	Methylene Chloride	7/25/2028	CLP Base/Neutral Surrogate Solution, 5,000 mg/L, 1 ml

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2-dichlorobenzene-d_4	2199-69-1	99.7	247.29.3P	5035 ± 28.02
2-fluorobiphenyl	321-60-8	99.69	8.286.1.1P	4999 ± 103.66
nitrobenzene-d5	4165-60-0	99.67	7.9.3P	4988 ± 27.32
p-terphenyl-d14	1718-51-0	99.3	9.120.8P	5005 ± 27.85

511494 to 511498 } Y.P. 08/11/2023

*Not a certified value

Certified By: _____

Clint Tipton
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555872 **Lot No.:** A0201728

Description : Custom Pentachlorophenol Standard

Custom Pentachlorophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

511649 ↓ 511658 Y.P. 11/13/23

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP230530RSR	99%	25,000.0 µg/mL	+/- 777.0837

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Josh McCloskey - Operations Technician I

Date Mixed: 05-Sep-2023 **Balance:** B251644995

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

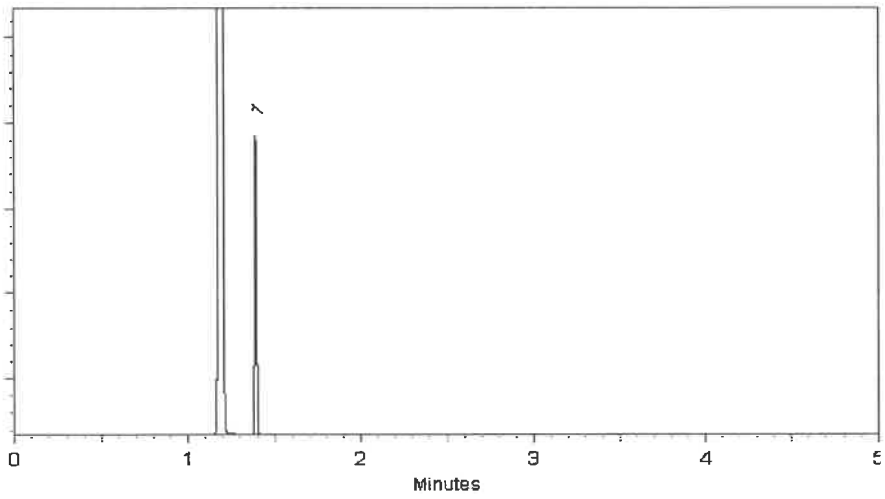
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0196453

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11749 ↓ S11794 RC 11/30/23

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dioxane	123-91-1	SHBN3770	99%	2,013.0 µg/mL	+/- 25.0521

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant flow 1.8 mL/min.

Temp. Program:
80°C (hold 0.1 min.) to 330°C
@ 9.6°C/min. (hold 2.86 min.)

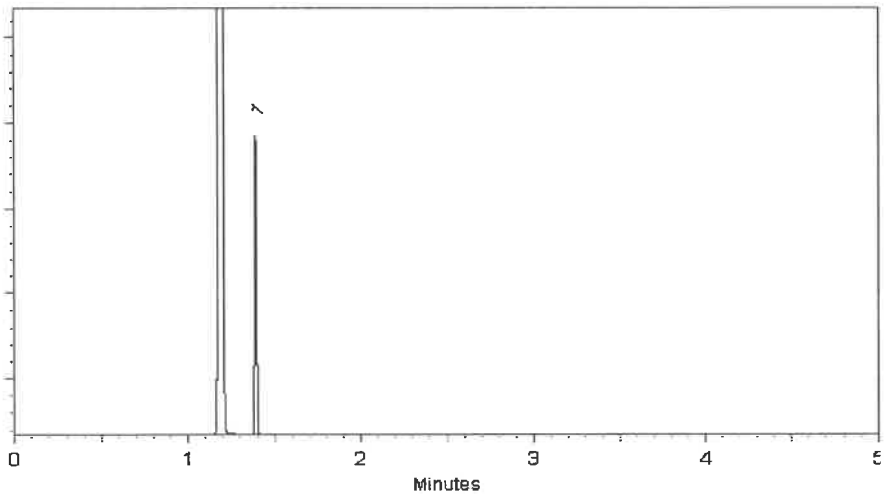
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 31-Mar-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
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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:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  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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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.)

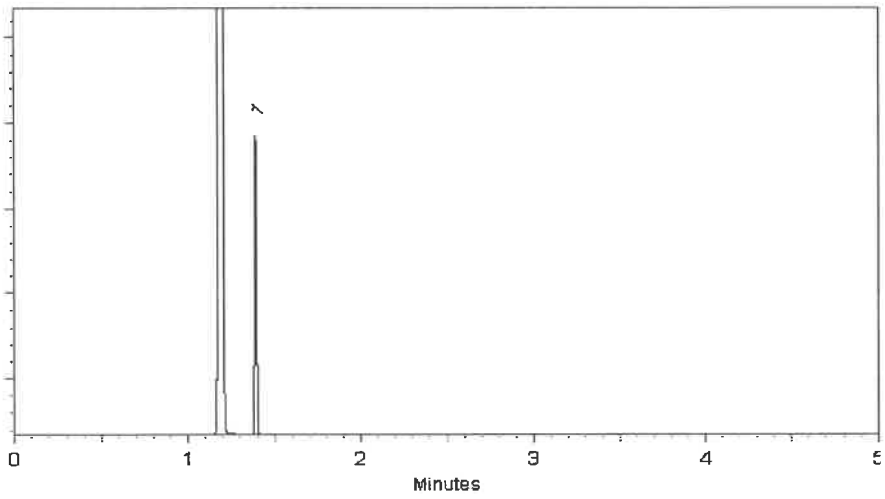
Inj. Temp:
250°C

Det. Temp:
340°C

Det. Type:
FID

Split Vent:
100 ml/min.

Inj. Vol
1µl



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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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  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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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.)

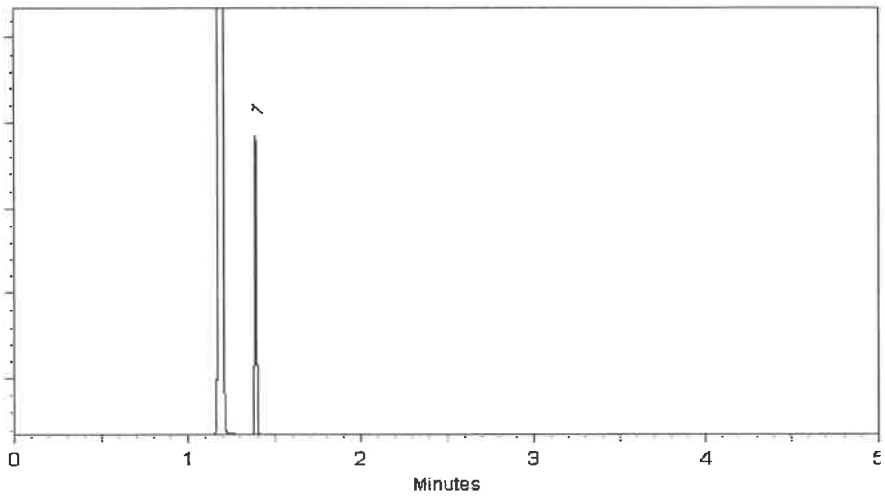
Inj. Temp:
250°C

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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Manufacturing Notes:

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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)
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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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30m x 0.25mm x 0.25µm
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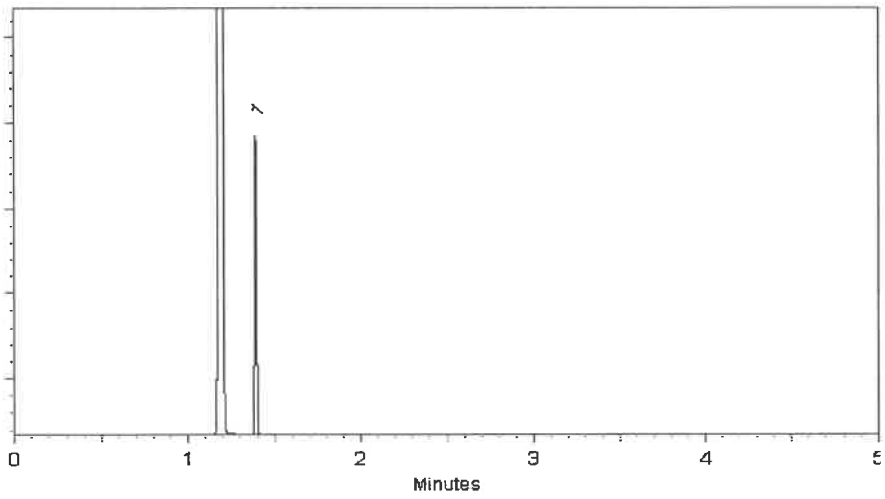
Inj. Temp:
250°C

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

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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

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Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-020223-01	454157	≤ -10 °C	P/T Methanol	6/10/2026	1,4-Dioxane Solution, 2000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,4-dioxane	123-91-1	100	223.1.3P	1997 ± 57.08

S12112 ↓ S12116 } RC/ 03/08/24

*Not a certified value

Certified By: Melissa Workoff

Melissa Workoff
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

CPI INTERNATIONAL

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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-020223-01	454157	≤ -10 °C	P/T Methanol	6/10/2026	1,4-Dioxane Solution, 2000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,4-dioxane	123-91-1	100	223.1.3P	1997 ± 57.08

S12112 ↓ S12116 } RC/ 03/08/24

*Not a certified value

Certified By: Melissa Workoff

Melissa Workoff
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

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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%

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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Certificate of Analysis

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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

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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chromatographic plus

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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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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
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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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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110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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Certificate of Analysis

chromatographic plus

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Certificate #3222.01

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

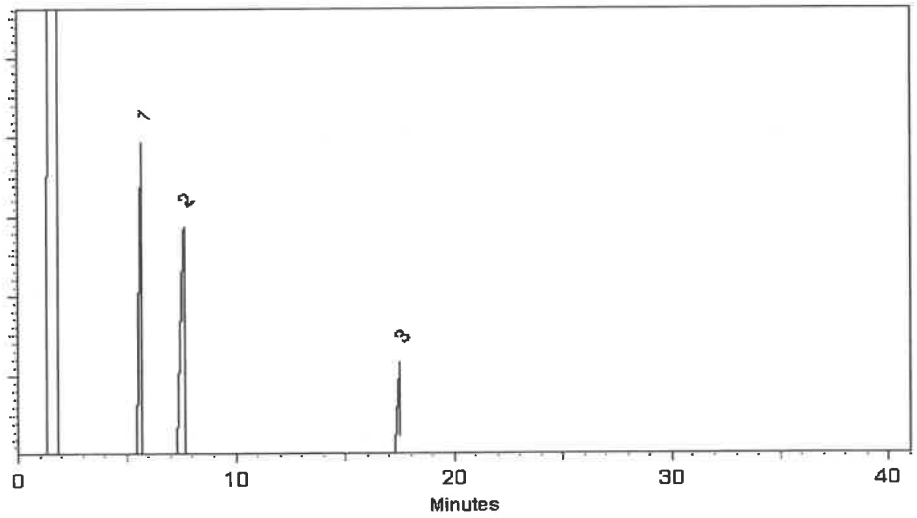
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

S12187 ↓ S12206 } RC/ 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

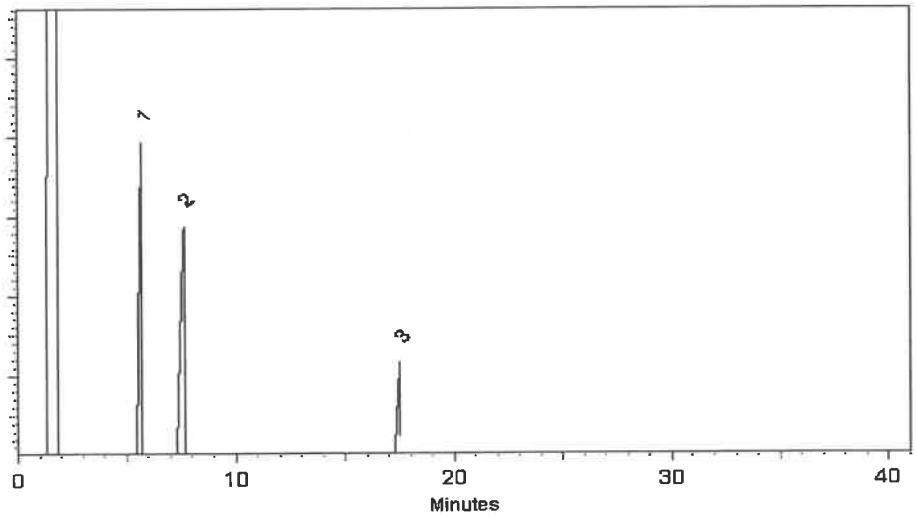
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

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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

S12187 ↓ S12206 } RC/ 03/18/24

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

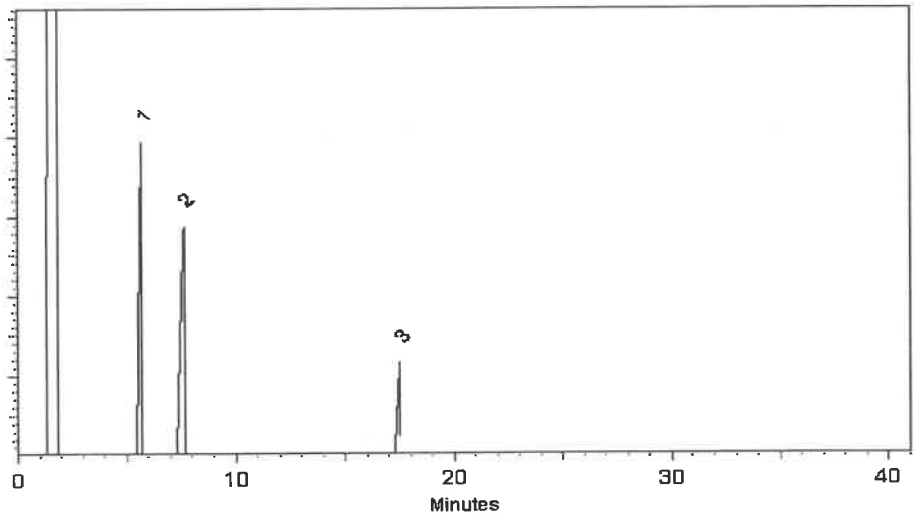
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381

Description : B/N Surrogate Mix (4/89 SOW)

Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul

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.)

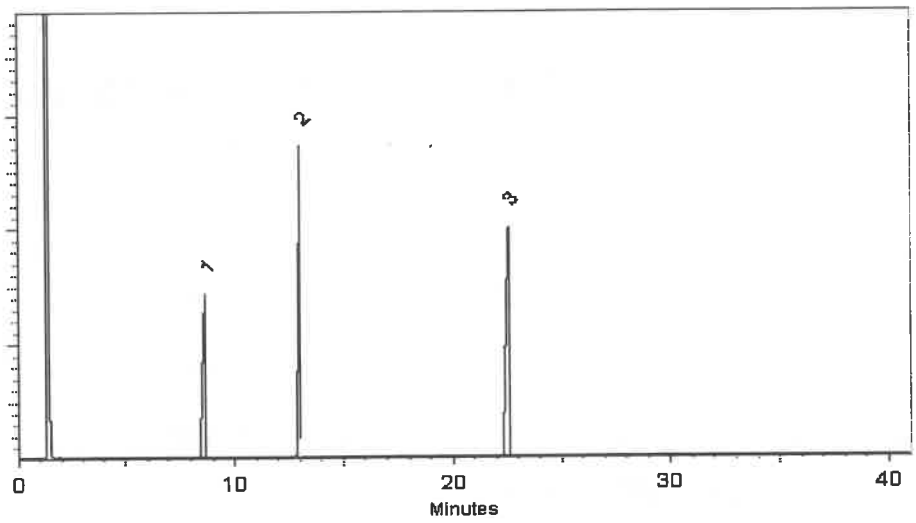
Inj. Temp:
250°C

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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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.)

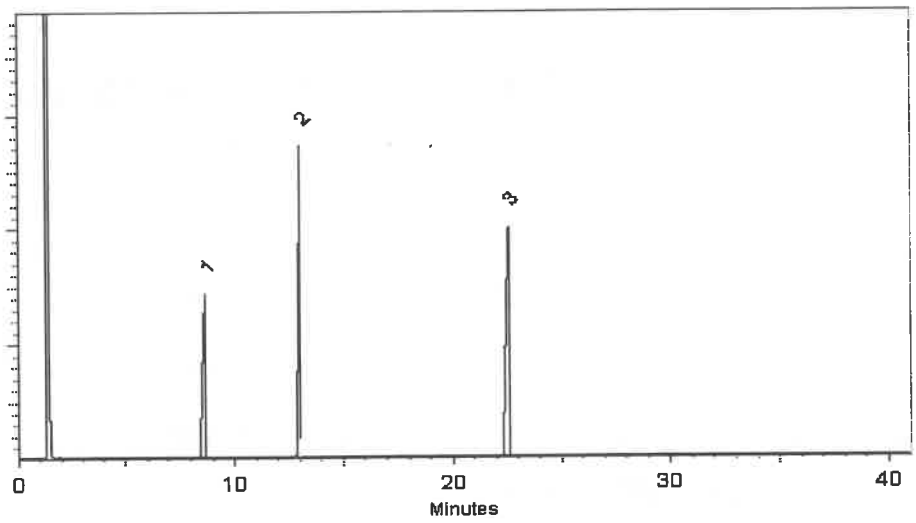
Inj. Temp:
250°C

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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Manufacturer's Quality System
Audited & Registered
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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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Certificate #3222.02

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

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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.)

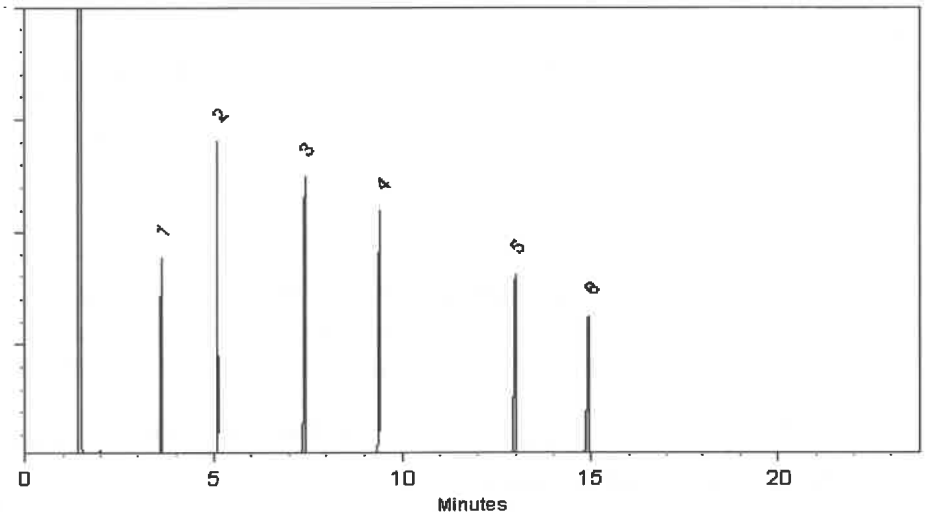
Inj. Temp:
250°C

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

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

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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. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Fax: 1-814-353-1309

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CERTIFIED REFERENCE MATERIAL

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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. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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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. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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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:

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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.

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Manufacturing Notes:

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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. : 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:

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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)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
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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

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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)
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:

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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)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
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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

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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
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
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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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. : 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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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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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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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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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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Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

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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

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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

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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

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. Q1122
QUOTE NO.
COC Number 2041596

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Tetra Tech Inc.
ADDRESS: 4433 Corporation Lane Suite 300
CITY Virginia Beach STATE: VA ZIP: 23462
ATTENTION: Ernie Wu
PHONE: 757-466-4901 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: NWIRP Bethpage
PROJECT NO.: 112G08005-WE13 LOCATION: Bethpage, NY
PROJECT MANAGER: Ernie Wu
e-mail: ernie.wu@tetratech.com
PHONE: 757-466-4901 FAX:

CLIENT BILLING INFORMATION

BILL TO: See Contract PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): Standard TAT DAYS*
EDD: Standard TAT DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced ☐ US EPA CLP
- ☐ NYS ASP A ☐ NYS ASP B
- ☒ Other See Contract
- ☐ EDD FORMAT _____

ANALYSIS

1 TAL Metals
2 Filtered Metals
3 TCL SVOCs
4 PCB/Pesticides
5 pH
6 Total Phosphorus
7 TSS
8 TDS
9 Alkalinity

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
								B/E	B/E	E	E	E	C/E	E	E	E	← Specify Preservatives A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER
1.	RW10A - 20250116	GW		X	1-16-24	1040	8	1		1	1	1	1	1	1	1	
2.	RW10A - F - 20250116	GW		X	1-16-24	1040	1		1								Field Filtered
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	1-16-25 / 1530	1. 1530 1-16-25
2.	DATE/TIME:	2.
3.	DATE/TIME: 1810 1-16-25	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.7 °C
Comments:

Page 1 of 2

CLIENT: ☐ Hand Delivered ☐ Other _____
CHEMTECH: ☒ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

Copyright © 2022

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

From: Kiran Saleem <Kiran.Saleem@alliancetg.com>
Sent: Friday, January 17, 2025 10:32 AM
Subject: Re: NWIRP BethPage - Q1122

Jake,

Got it, thank you!

As we discussed on the phone, we have one 1-liter amber container for PCB/Pesticides. We will divide the volume for each test.

Thank you!

NOTE: Chemtech is now an Alliance Technical Group company. Please add AllianceTG.com to your safe senders list to ensure receipt of important emails.

Regards,

Kiran Saleem
Project Manager
Alliance Technical Group
Main: 908-789-8900
Direct: 908-728-3148
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

From: Kiran Saleem <Kiran.Saleem@alliancetg.com>
Sent: Friday, January 17, 2025 9:33 AM
To: Wu, Ernie <Ernie.Wu@tetratech.com>; Jake.Marlow@tetratech.com <Jake.Marlow@tetratech.com>
Cc: Yazmeen Gomez <Yazmeen.Gomez@alliancetg.com>
Subject: NWIRP BethPage - Q1122

Good Morning Jake,

Can you please share the compounds list that need to be analyzed under pesticides for attached COC?

Let me know.

Thanks.

NOTE: Chemtech is now an Alliance Technical Group company. Please add AllianceTG.com to your safe senders list to ensure receipt of important emails.

Regards,

Kiran Saleem
Project Manager
Alliance Technical Group
Main: 908-789-8900
Direct: 908-728-3148
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

From: Marlow, Jake <Jake.Marlow@tetratech.com>
Sent: Monday, January 20, 2025 9:27 AM
Subject: RE: Q1122 - NWIRP Bethpage 112G08005-WE13

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Secured by Check Point

Hi Kiran,

Yes that is a mistake, the collection date should be 1-16-25.

Thank you,
Jake

From: Kiran Saleem <Kiran.Saleem@alliancetg.com>
Sent: Monday, January 20, 2025 9:00 AM
To: Marlow, Jake <Jake.Marlow@tetratech.com>
Cc: Wu, Ernie <Ernie.Wu@tetratech.com>
Subject: Q1122 - NWIRP Bethpage 112G08005-WE13

⚠ **CAUTION:** This email originated from an external sender. Verify the source before opening links or attachments. ⚠

Good Morning Ernie,

I am reaching out regarding the samples collection date. It could be a mistake; the COC collection date says 1-16-24 while the relinquished date says 1-16-25. Please confirm the collection date. Please find attached COC.

Thank you!

NOTE: Chemtech is now an Alliance Technical Group company. Please add AllianceTG.com to your safe senders list to ensure receipt of important emails.

Regards,

Kiran Saleem
Project Manager
Alliance Technical Group
Main: 908-789-8900
Direct: 908-728-3148
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

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\BF011025\
Data File : BF141117.D
Acq On : 10 Jan 2025 16:53
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Jan 10 22:22:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:16:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.822	152	163037	20.000	ng		0.00
21) Naphthalene-d8	8.104	136	625072	20.000	ng		0.00
39) Acenaphthene-d10	9.863	164	333513	20.000	ng		0.00
64) Phenanthrene-d10	11.345	188	593257	20.000	ng		0.00
76) Chrysene-d12	13.998	240	341879	20.000	ng		0.01
86) Perylene-d12	15.468	264	333662	20.000	ng		0.03
System Monitoring Compounds							
5) 2-Fluorophenol	5.428	112	1007728	95.484	ng		0.00
7) Phenol-d6	6.445	99	1279370	95.699	ng		0.00
23) Nitrobenzene-d5	7.386	82	1156878	98.108	ng		0.00
42) 2,4,6-Tribromophenol	10.651	330	383942	101.033	ng		0.00
45) 2-Fluorobiphenyl	9.180	172	2040487	93.427	ng		0.00
79) Terphenyl-d14	12.939	244	2188278	95.134	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.546	88	233484	49.679	ng		98
3) Pyridine	3.287	79	555795	48.225	ng		98
4) n-Nitrosodimethylamine	3.240	42	280365	49.752	ng		98
6) Aniline	6.487	93	564714	47.577	ng		99
8) 2-Chlorophenol	6.604	128	545244	48.153	ng		99
9) Benzaldehyde	6.369	77	318659	42.669	ng		100
10) Phenol	6.463	94	678615	47.420	ng		98
11) bis(2-Chloroethyl)ether	6.557	93	521191	48.869	ng		98
12) 1,3-Dichlorobenzene	6.763	146	613813	48.605	ng		99
13) 1,4-Dichlorobenzene	6.839	146	609332	47.881	ng		99
14) 1,2-Dichlorobenzene	6.992	146	565717	47.656	ng		99
15) Benzyl Alcohol	6.963	79	474583	49.156	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.098	45	711735	47.824	ng		100
17) 2-Methylphenol	7.069	107	444678	48.644	ng		100
18) Hexachloroethane	7.334	117	224751	48.837	ng		98
19) n-Nitroso-di-n-propyla...	7.239	70	373068	47.373	ng		98
20) 3+4-Methylphenols	7.228	107	546998	47.429	ng	#	85
22) Acetophenone	7.234	105	711333	47.871	ng		98
24) Nitrobenzene	7.404	77	599817	48.807	ng		99
25) Isophorone	7.645	82	982492	48.754	ng		99
26) 2-Nitrophenol	7.722	139	287436	51.416	ng		99
27) 2,4-Dimethylphenol	7.751	122	374236	49.629	ng		98
28) bis(2-Chloroethoxy)met...	7.857	93	614567	48.594	ng		99
29) 2,4-Dichlorophenol	7.957	162	447208	49.935	ng		99
30) 1,2,4-Trichlorobenzene	8.045	180	495397	48.394	ng		99
31) Naphthalene	8.128	128	1598576	48.495	ng		100
32) Benzoic acid	7.869	122	391608	54.138	ng		98
33) 4-Chloroaniline	8.175	127	544930	47.801	ng		99
34) Hexachlorobutadiene	8.245	225	302873	49.102	ng		99
35) Caprolactam	8.545	113	148641	50.598	ng		94
36) 4-Chloro-3-methylphenol	8.651	107	488345	49.859	ng		99
37) 2-Methylnaphthalene	8.816	142	1021264	48.619	ng		98
38) 1-Methylnaphthalene	8.916	142	992651	47.950	ng		99
40) 1,2,4,5-Tetrachloroben...	8.980	216	460261	48.082	ng		99
41) Hexachlorocyclopentadiene	8.969	237	157828	50.395	ng		99
43) 2,4,6-Trichlorophenol	9.092	196	318276	49.299	ng		99

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141117.D
Acq On : 10 Jan 2025 16:53
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Jan 10 22:22:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:16:11 2025
Response via : Initial Calibration

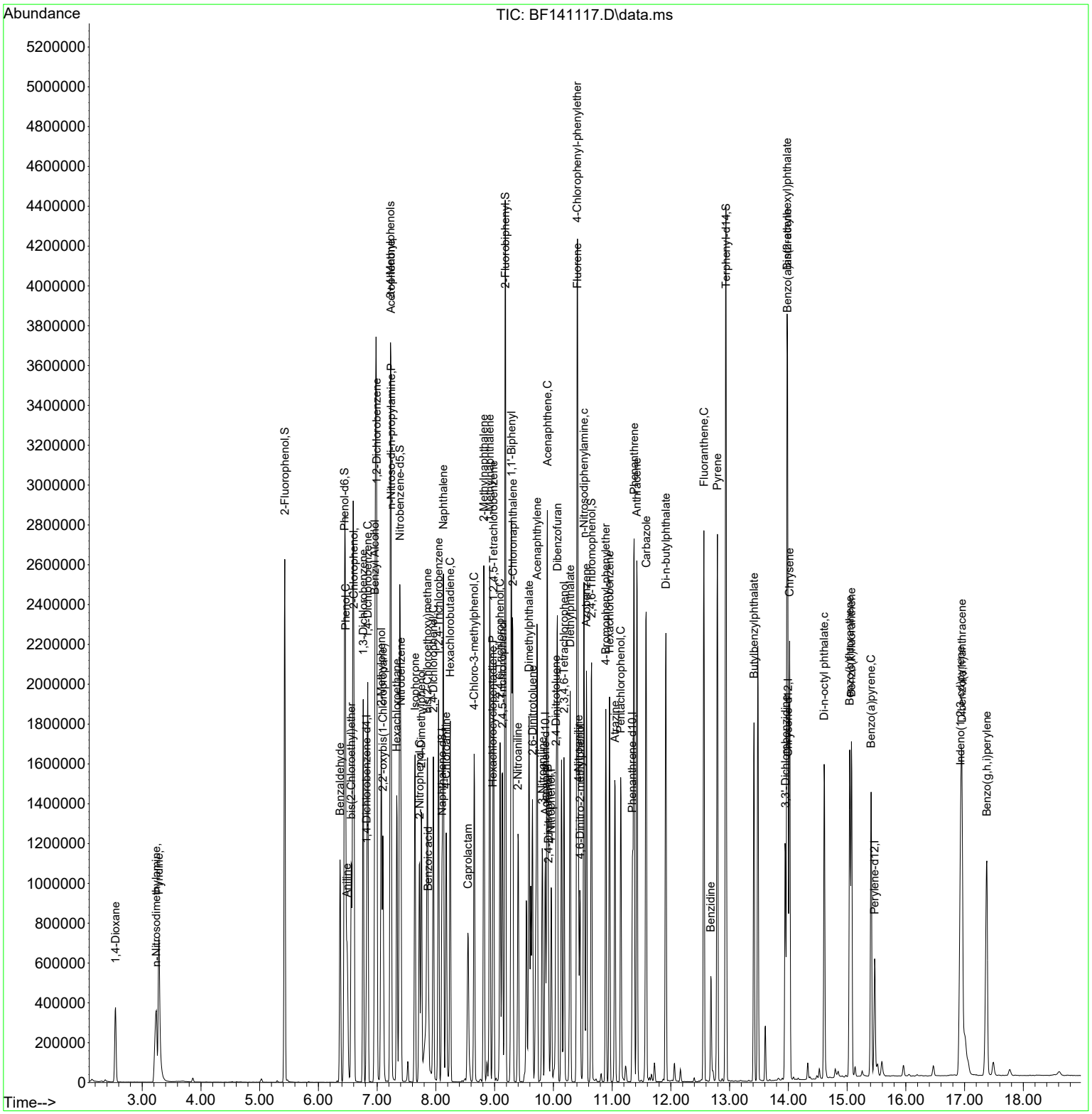
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.133	196	342288	50.201	ng		98
46) 1,1'-Biphenyl	9.286	154	1243305	48.003	ng		99
47) 2-Chloronaphthalene	9.310	162	979002	48.530	ng		99
48) 2-Nitroaniline	9.398	65	304048	50.844	ng		96
49) Acenaphthylene	9.722	152	1398990	48.539	ng		100
50) Dimethylphthalate	9.586	163	1098805	49.076	ng		100
51) 2,6-Dinitrotoluene	9.645	165	262596	50.434	ng		96
52) Acenaphthene	9.898	154	988008	49.066	ng		99
53) 3-Nitroaniline	9.810	138	266881	50.440	ng		97
54) 2,4-Dinitrophenol	9.916	184	139903	56.530	ng	#	86
55) Dibenzofuran	10.069	168	1321844	48.261	ng		100
56) 4-Nitrophenol	9.963	139	220382	53.183	ng		95
57) 2,4-Dinitrotoluene	10.045	165	353808	52.728	ng		97
58) Fluorene	10.410	166	1011650	47.543	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.180	232	277818	49.019	ng		98
60) Diethylphthalate	10.286	149	1074789	49.171	ng		100
61) 4-Chlorophenyl-phenyle...	10.404	204	494329	47.665	ng		97
62) 4-Nitroaniline	10.427	138	269415	52.024	ng		98
63) Azobenzene	10.563	77	1054277	48.881	ng		99
65) 4,6-Dinitro-2-methylph...	10.457	198	192136	55.890	ng		95
66) n-Nitrosodiphenylamine	10.522	169	894530	46.748	ng		99
67) 4-Bromophenyl-phenylether	10.892	248	326554	47.810	ng		99
68) Hexachlorobenzene	10.957	284	361542	47.551	ng		99
69) Atrazine	11.051	200	272232	52.837	ng		99
70) Pentachlorophenol	11.145	266	250381	51.422	ng		99
71) Phenanthrene	11.374	178	1503408	47.203	ng		99
72) Anthracene	11.422	178	1473797	47.589	ng		100
73) Carbazole	11.580	167	1386206	48.815	ng		100
74) Di-n-butylphthalate	11.916	149	1600680	49.255	ng		100
75) Fluoranthene	12.563	202	1558556	49.037	ng		99
77) Benzidine	12.680	184	290459	45.814	ng		99
78) Pyrene	12.792	202	1571607	48.129	ng		99
80) Butylbenzylphthalate	13.416	149	578964	53.179	ng		98
81) Benzo(a)anthracene	13.986	228	1136119	48.830	ng		100
82) 3,3'-Dichlorobenzidine	13.951	252	364178	49.156	ng		99
83) Chrysene	14.021	228	1057551	48.577	ng		99
84) Bis(2-ethylhexyl)phtha...	13.980	149	700052	53.591	ng		99
85) Di-n-octyl phthalate	14.610	149	1055383	53.503	ng		100
87) Indeno(1,2,3-cd)pyrene	16.933	276	1185030	48.477	ng		99
88) Benzo(b)fluoranthene	15.045	252	1096957	50.984	ng		100
89) Benzo(k)fluoranthene	15.074	252	865456	47.598	ng		99
90) Benzo(a)pyrene	15.410	252	874134	49.243	ng		100
91) Dibenzo(a,h)anthracene	16.956	278	959595	48.535	ng		99
92) Benzo(g,h,i)perylene	17.380	276	996659	48.464	ng		99

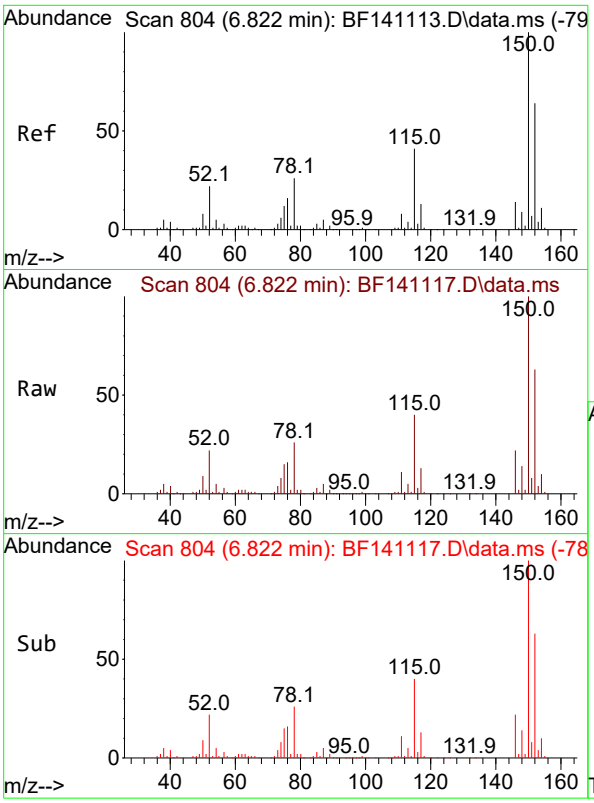
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141117.D
Acq On : 10 Jan 2025 16:53
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: Jan 10 22:22:59 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:16:11 2025
Response via : Initial Calibration



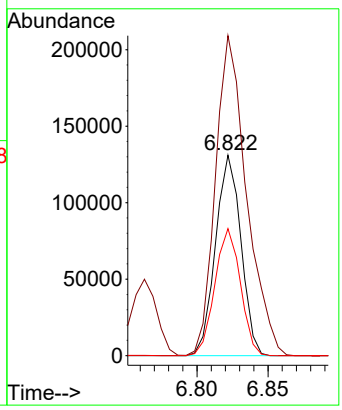


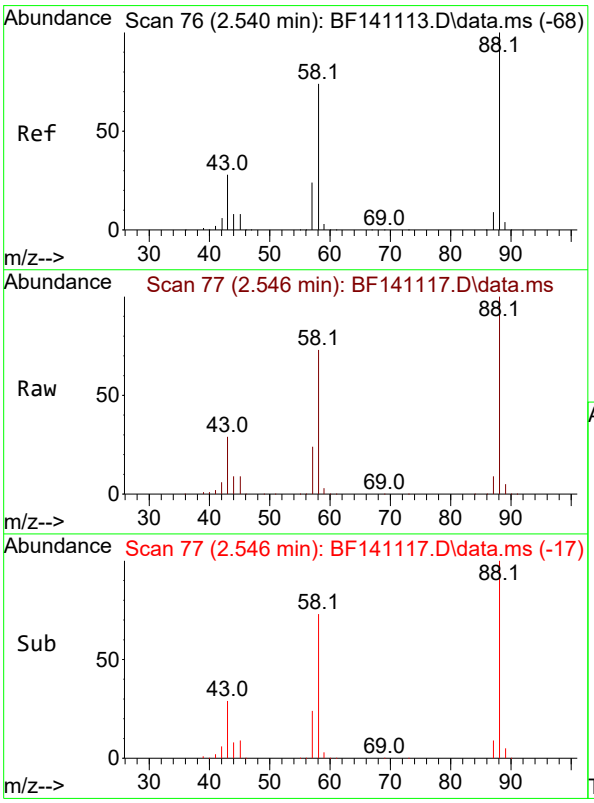
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 163037

Ion	Ratio	Lower	Upper
152	100		
150	159.6	125.8	188.8
115	63.4	51.4	77.2

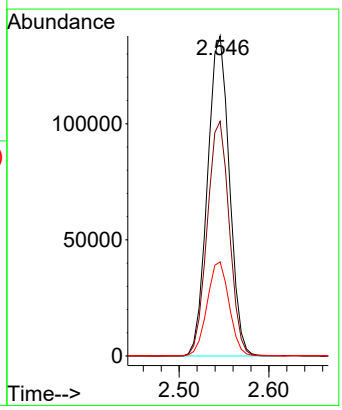


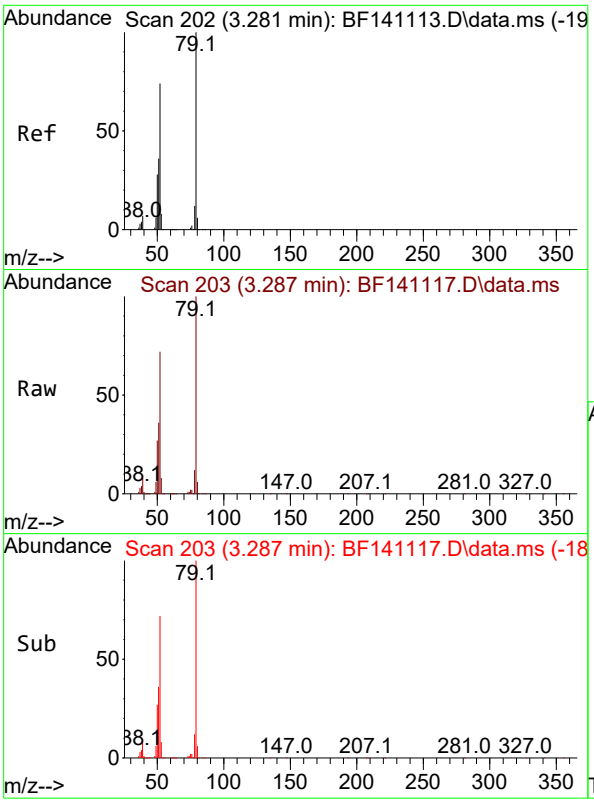


#2
1,4-Dioxane
Concen: 49.679 ng
RT: 2.546 min Scan# 77
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion: 88 Resp: 233484

Ion	Ratio	Lower	Upper
88	100		
58	73.8	60.1	90.1
43	29.7	23.1	34.7



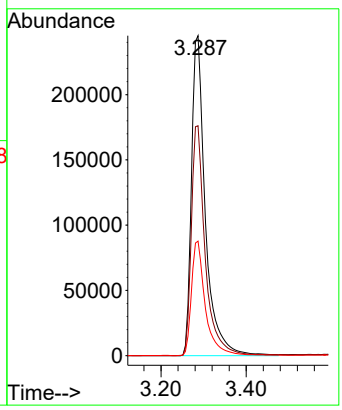


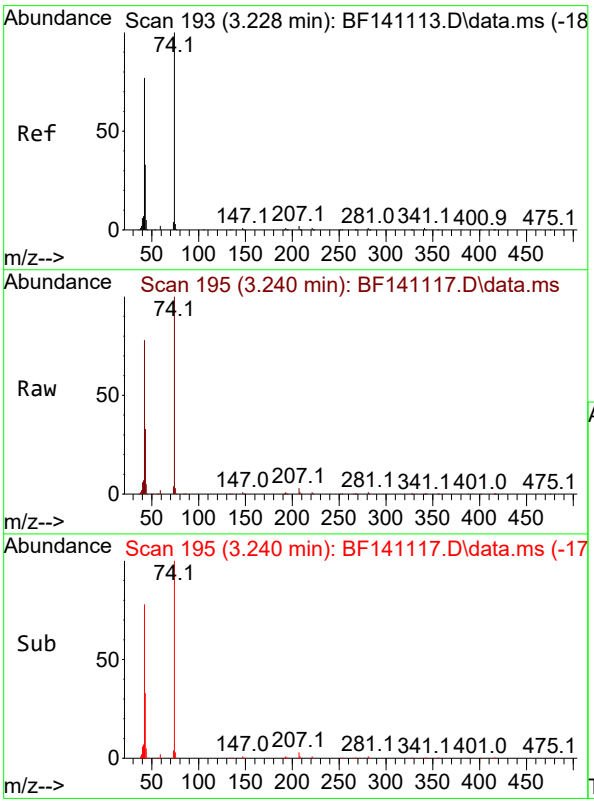
#3
Pyridine
Concen: 48.225 ng
RT: 3.287 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 555795

Ion	Ratio	Lower	Upper
79	100		
52	71.9	58.9	88.3
51	35.8	29.1	43.7

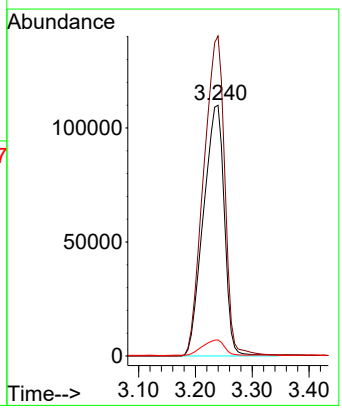


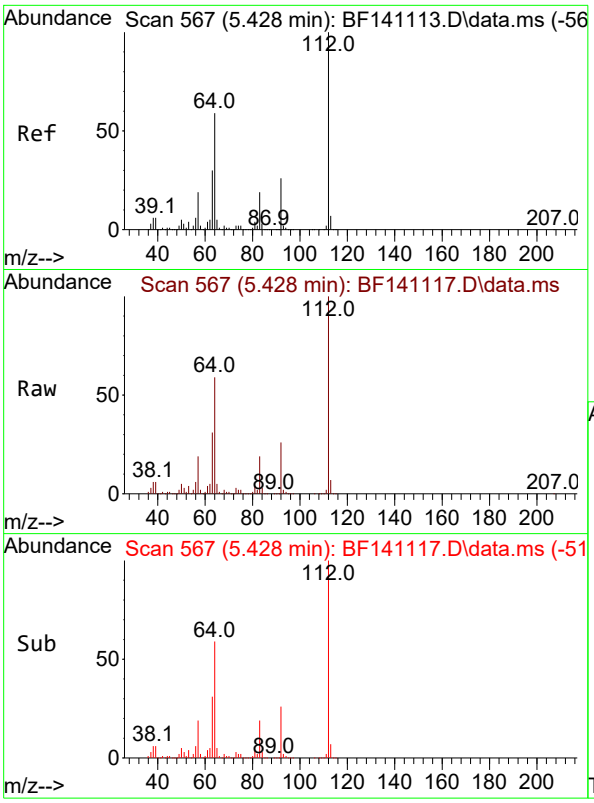


#4
n-Nitrosodimethylamine
Concen: 49.752 ng
RT: 3.240 min Scan# 195
Delta R.T. 0.012 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion: 42 Resp: 280365

Ion	Ratio	Lower	Upper
42	100		
74	127.7	103.8	155.6
44	6.4	5.3	7.9



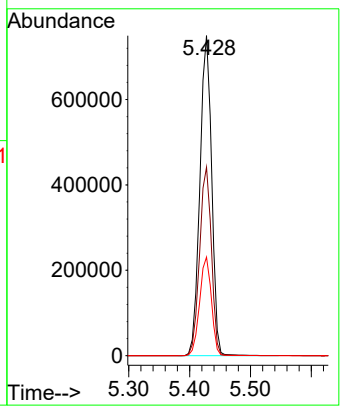


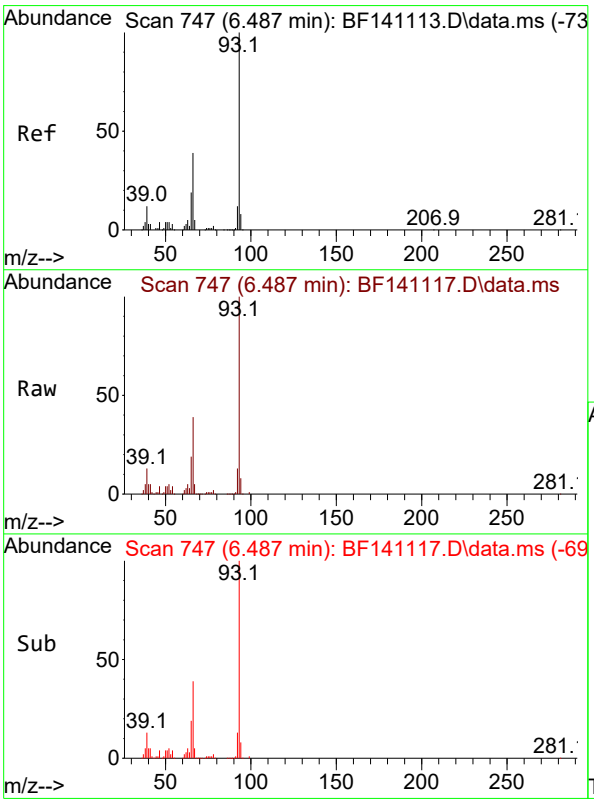
#5
2-Fluorophenol
Concen: 95.484 ng
RT: 5.428 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:112 Resp: 1007728

Ion	Ratio	Lower	Upper
112	100		
64	58.9	47.3	70.9
63	30.8	24.2	36.2

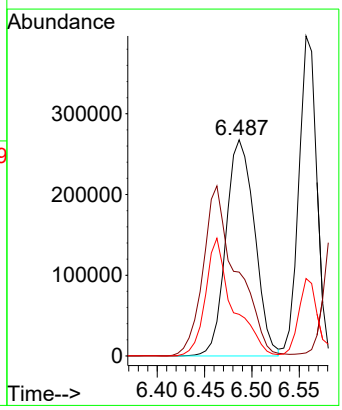


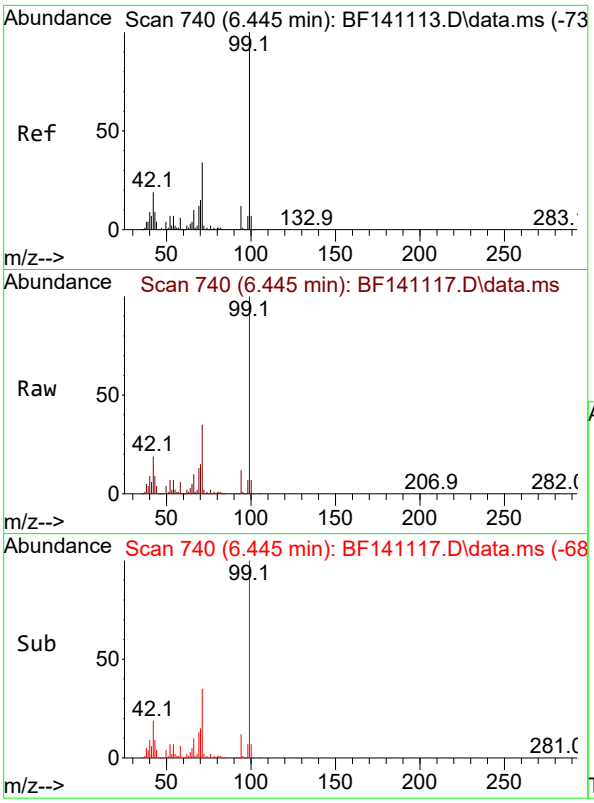


#6
Aniline
Concen: 47.577 ng
RT: 6.487 min Scan# 747
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion: 93 Resp: 564714

Ion	Ratio	Lower	Upper
93	100		
66	38.8	31.5	47.3
65	19.3	15.3	22.9



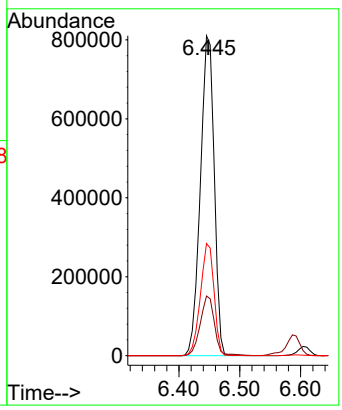


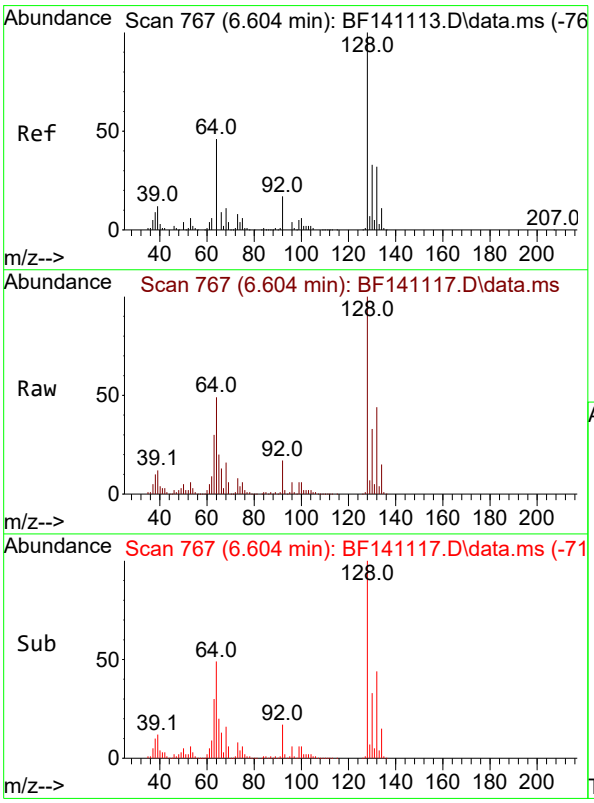
#7
Phenol-d6
Concen: 95.699 ng
RT: 6.445 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 1279370

Ion	Ratio	Lower	Upper
99	100		
42	18.6	15.0	22.4
71	35.1	27.6	41.4

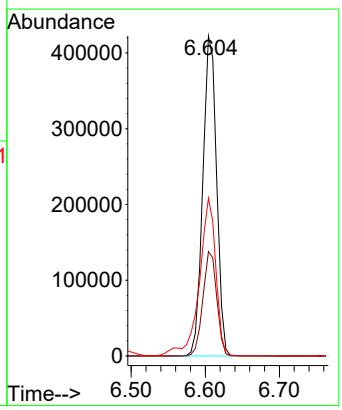


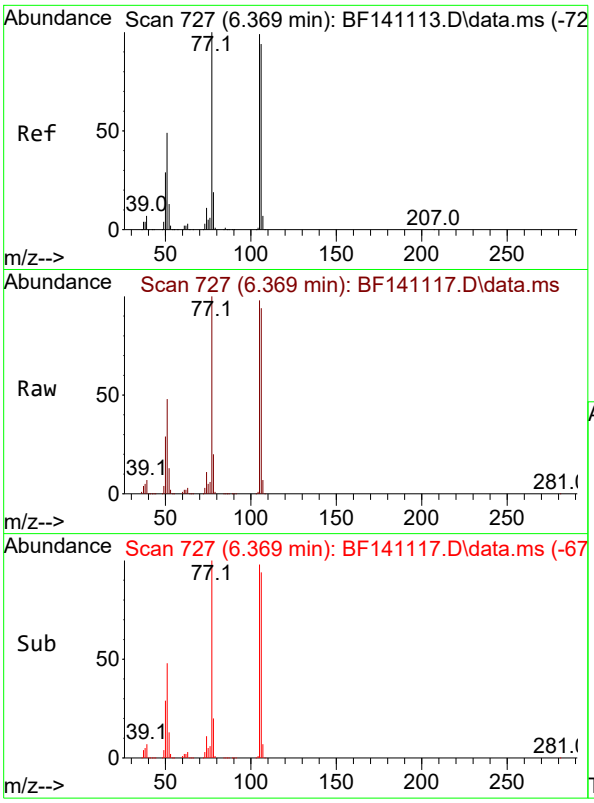


#8
2-Chlorophenol
Concen: 48.153 ng
RT: 6.604 min Scan# 767
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:128 Resp: 545244

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.5	52.5
64	49.3	28.3	68.3



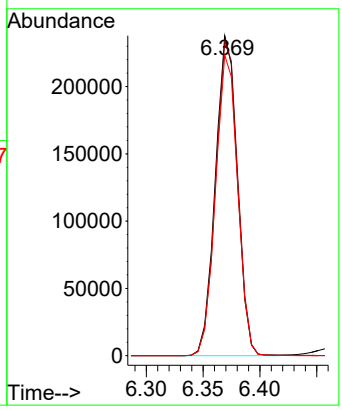


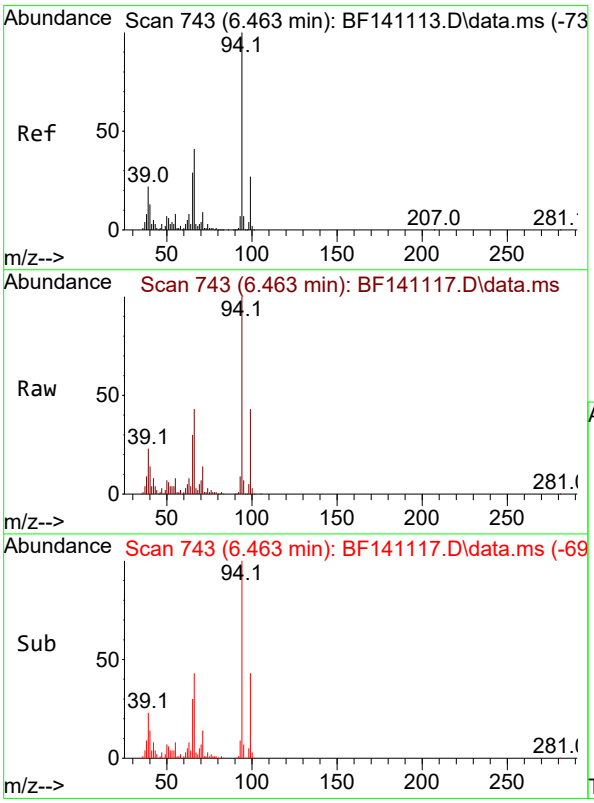
#9
Benzaldehyde
Concen: 42.669 ng
RT: 6.369 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 318659

Ion	Ratio	Lower	Upper
77	100		
105	98.3	78.9	118.9
106	93.9	73.6	113.6

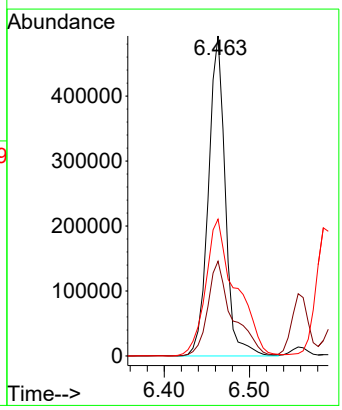


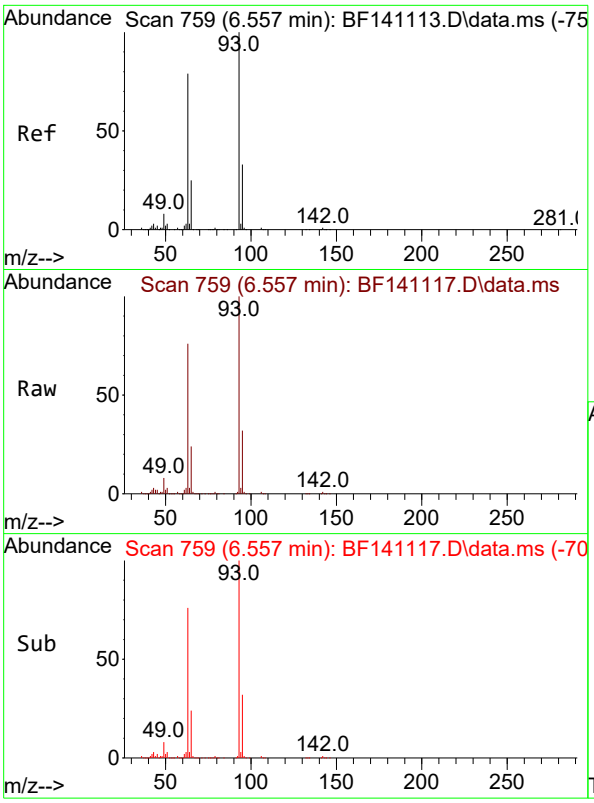


#10
Phenol
Concen: 47.420 ng
RT: 6.463 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion: 94 Resp: 678615

Ion	Ratio	Lower	Upper
94	100		
65	29.6	8.9	48.9
66	42.8	21.2	61.2



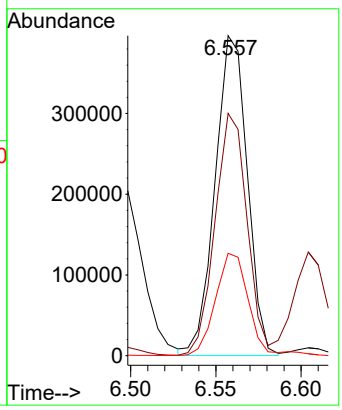


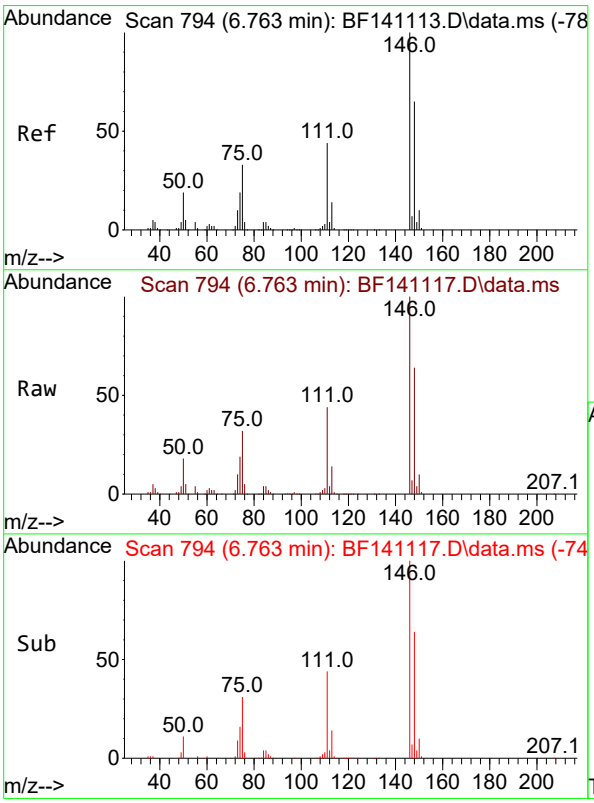
#11
bis(2-Chloroethyl)ether
Concen: 48.869 ng
RT: 6.557 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 521191

Ion	Ratio	Lower	Upper
93	100		
63	75.7	58.0	98.0
95	32.0	12.5	52.5

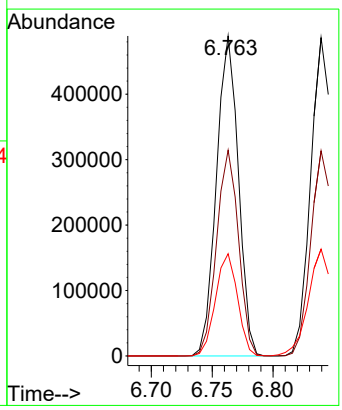


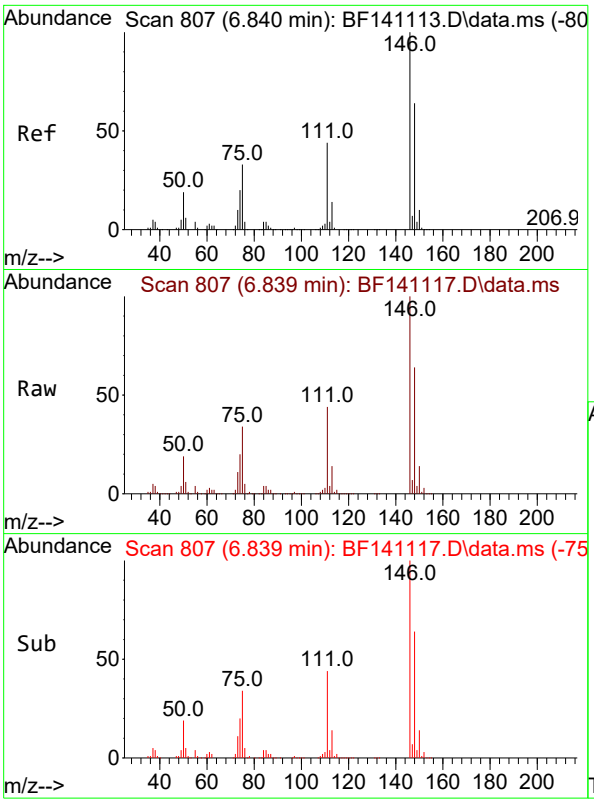


#12
1,3-Dichlorobenzene
Concen: 48.605 ng
RT: 6.763 min Scan# 794
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:146 Resp: 613813

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.6	77.4
75	32.0	26.2	39.2



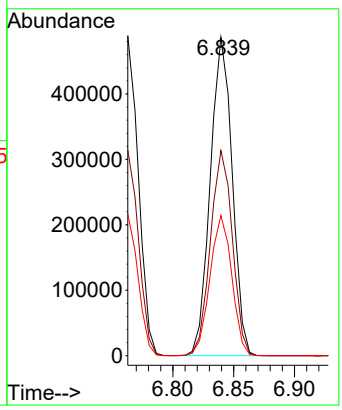


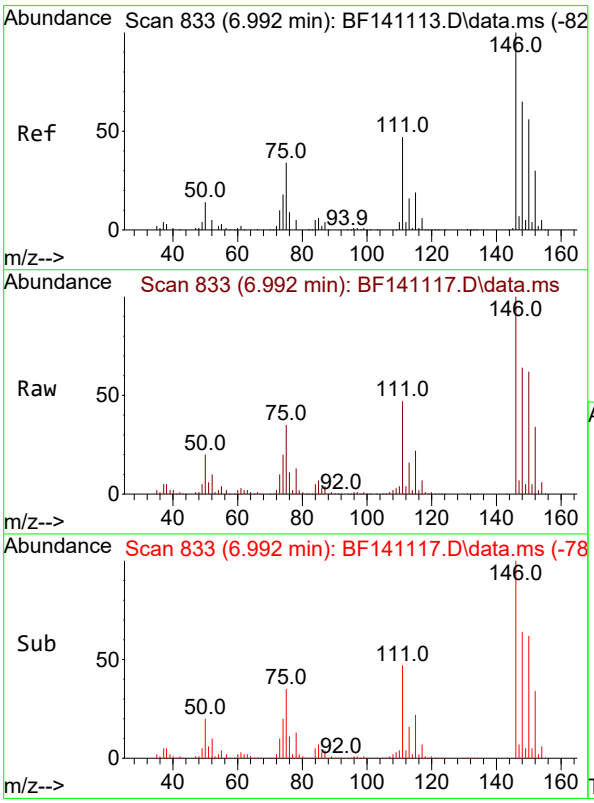
#13
1,4-Dichlorobenzene
Concen: 47.881 ng
RT: 6.839 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:146 Resp: 609332

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.0	76.6
111	44.0	34.9	52.3

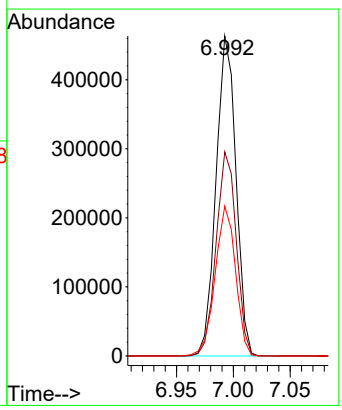


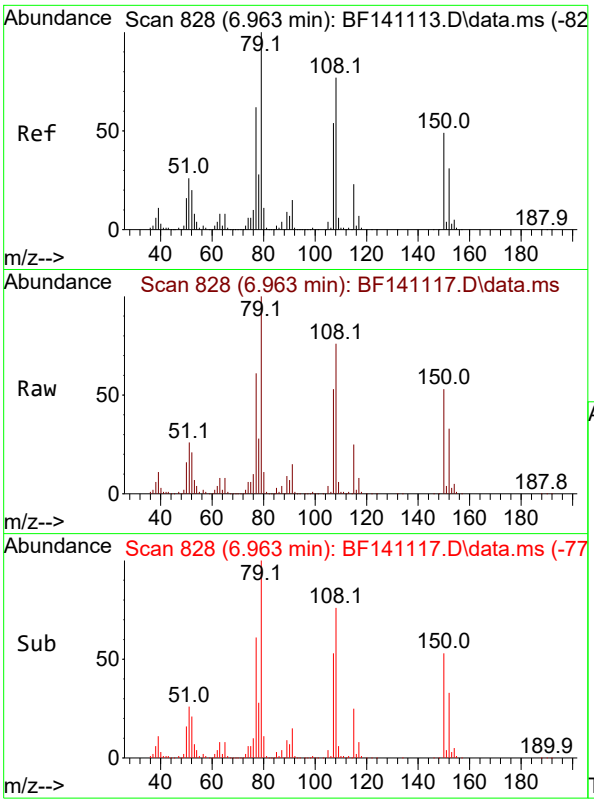


#14
1,2-Dichlorobenzene
Concen: 47.656 ng
RT: 6.992 min Scan# 833
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:146 Resp: 565717

Ion	Ratio	Lower	Upper
146	100		
148	63.8	52.2	78.4
111	46.8	37.5	56.3



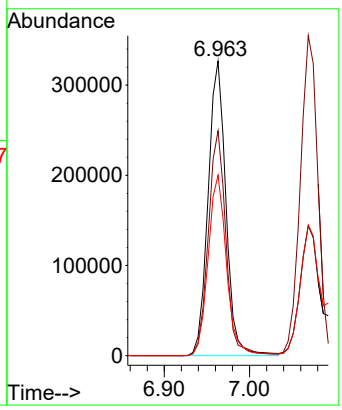


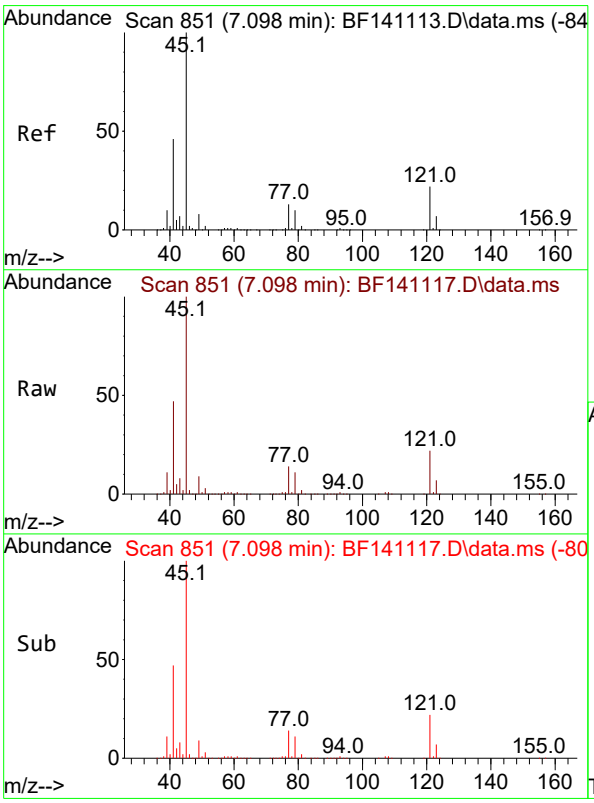
#15
Benzyl Alcohol
Concen: 49.156 ng
RT: 6.963 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 474583

Ion	Ratio	Lower	Upper
79	100		
108	76.3	61.4	92.0
77	61.3	49.8	74.6

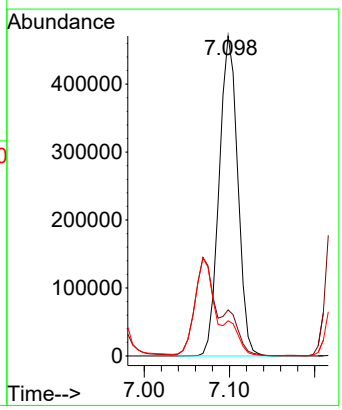


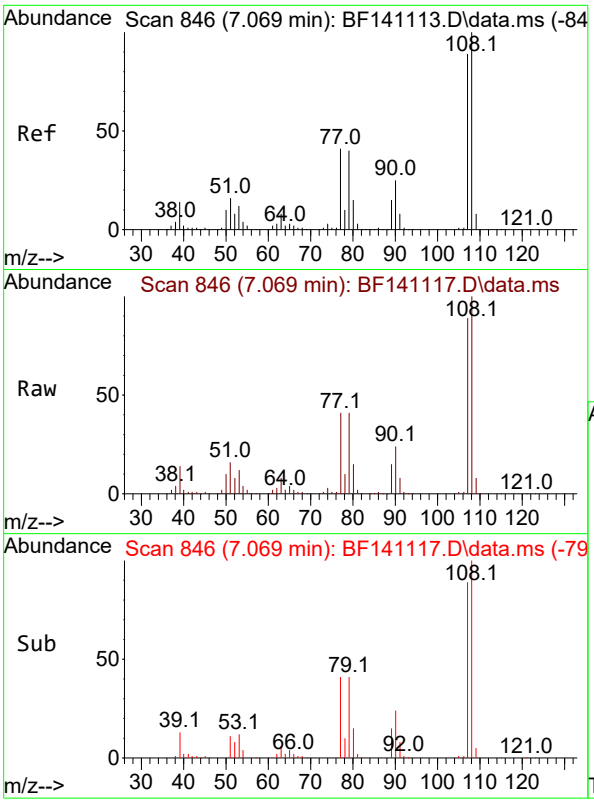


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.824 ng
RT: 7.098 min Scan# 851
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion: 45 Resp: 711735

Ion	Ratio	Lower	Upper
45	100		
77	14.4	0.0	34.1
79	11.0	0.0	31.0



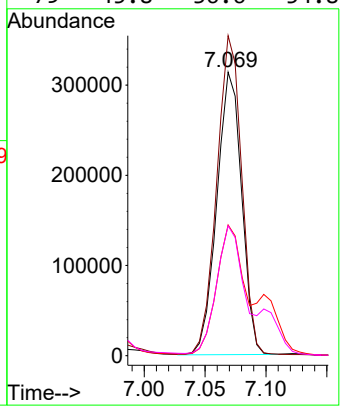


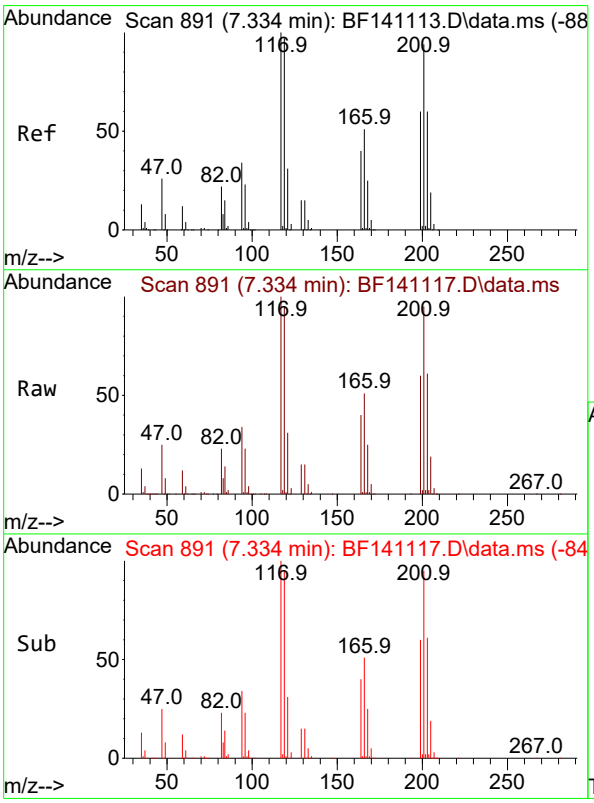
#17
2-Methylphenol
Concen: 48.644 ng
RT: 7.069 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:107 Resp: 444678

Ion	Ratio	Lower	Upper
107	100		
108	112.9	90.1	135.1
77	46.1	36.6	55.0
79	45.8	36.6	54.8

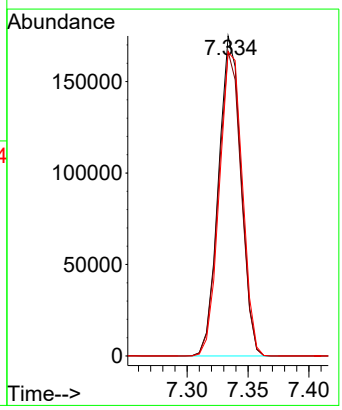


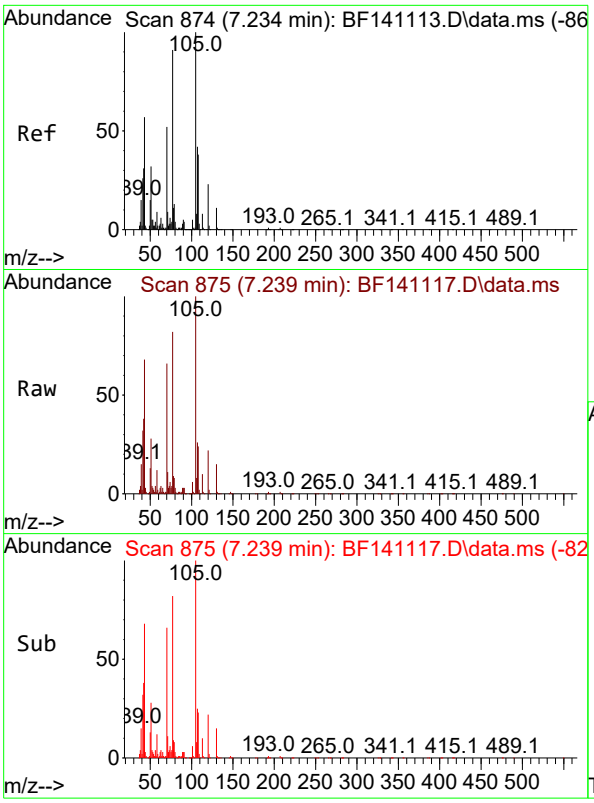


#18
Hexachloroethane
Concen: 48.837 ng
RT: 7.334 min Scan# 891
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:117 Resp: 224751

Ion	Ratio	Lower	Upper
117	100		
119	95.2	77.6	116.4
201	95.1	75.1	112.7



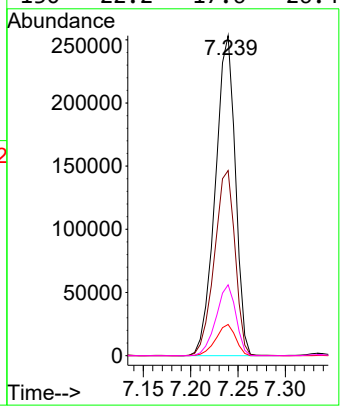


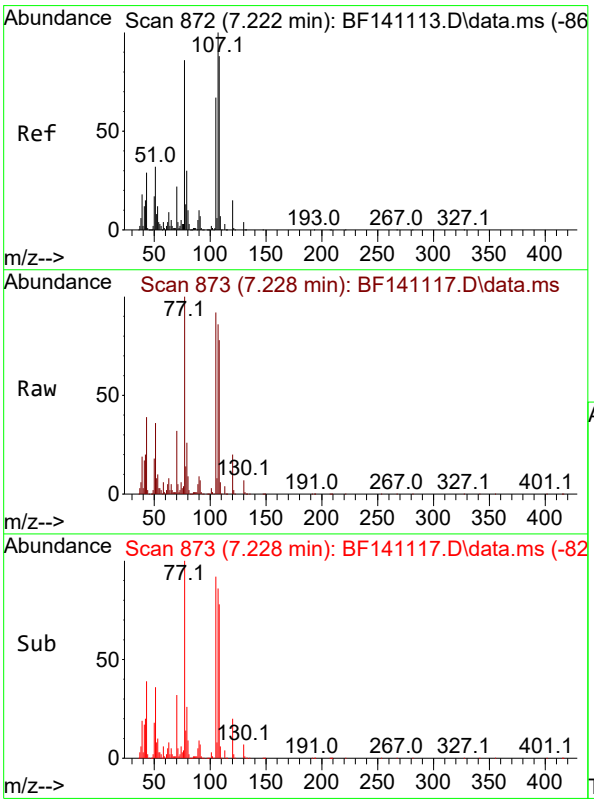
#19
n-Nitroso-di-n-propylamine
Concen: 47.373 ng
RT: 7.239 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 70 Resp: 373068

Ion	Ratio	Lower	Upper
70	100		
42	57.9	47.8	71.6
101	9.7	7.9	11.9
130	22.2	17.6	26.4

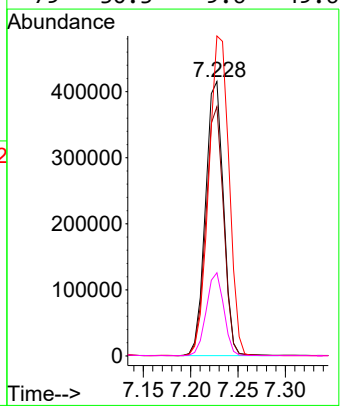


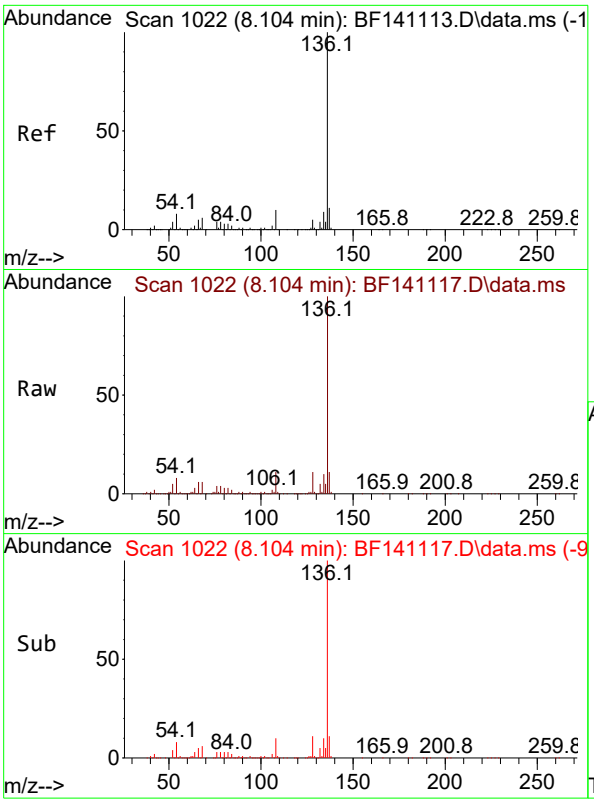


#20
3+4-Methylphenols
Concen: 47.429 ng
RT: 7.228 min Scan# 873
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:107 Resp: 546998

Ion	Ratio	Lower	Upper
107	100		
108	90.9	68.3	108.3
77	116.6	66.4	106.4#
79	30.3	9.6	49.6



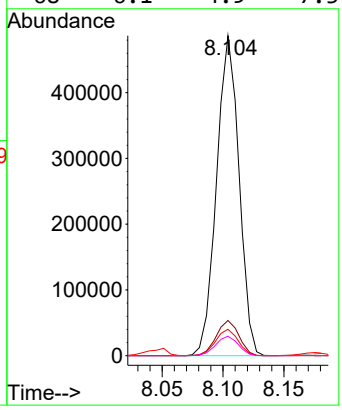


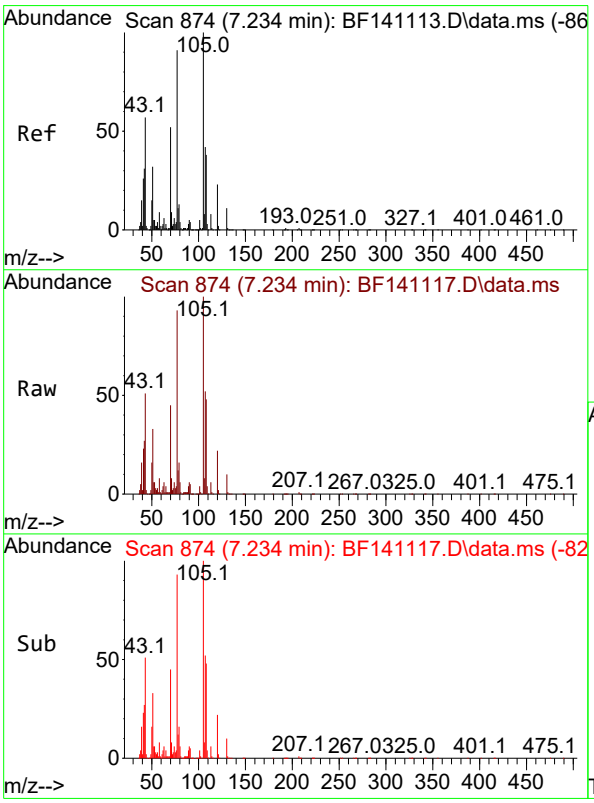
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 625072

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	8.3	6.3	9.5
68	6.1	4.9	7.3

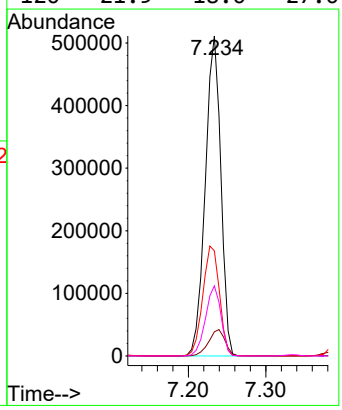


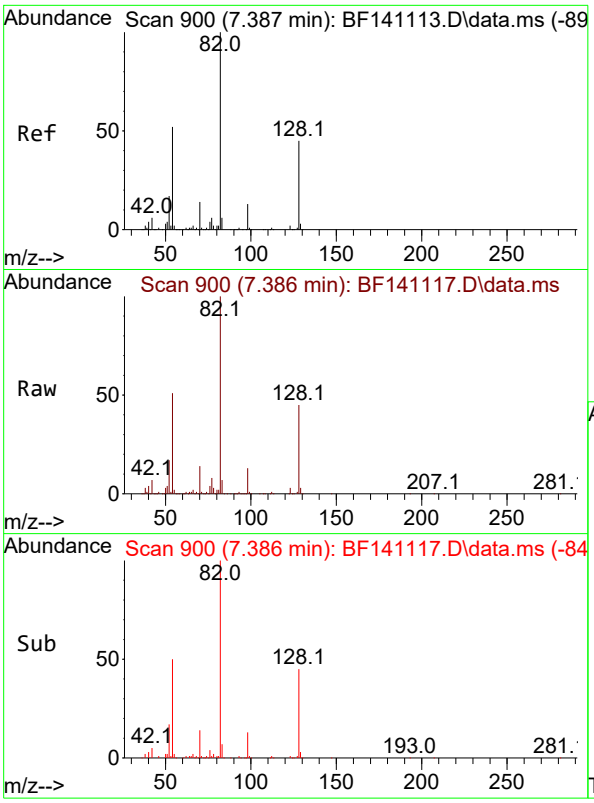


#22
Acetophenone
Concen: 47.871 ng
RT: 7.234 min Scan# 874
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:105 Resp: 711333

Ion	Ratio	Lower	Upper
105	100		
71	7.5	7.1	10.7
51	32.9	25.4	38.2
120	21.9	18.0	27.0



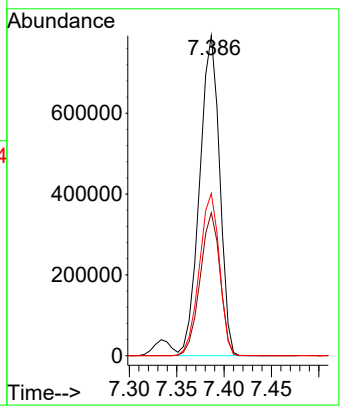


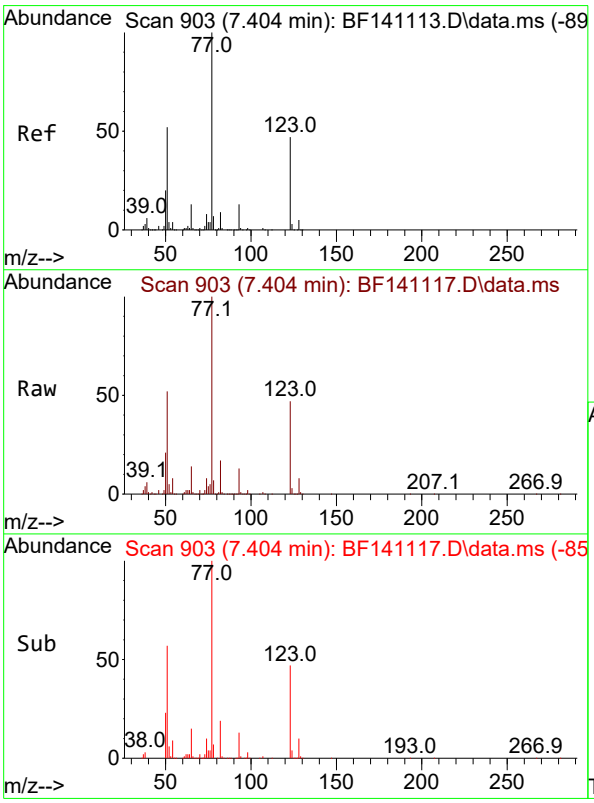
#23
Nitrobenzene-d5
Concen: 98.108 ng
RT: 7.386 min Scan# 9(
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 1156878

Ion	Ratio	Lower	Upper
82	100		
128	44.6	36.1	54.1
54	50.7	41.0	61.4

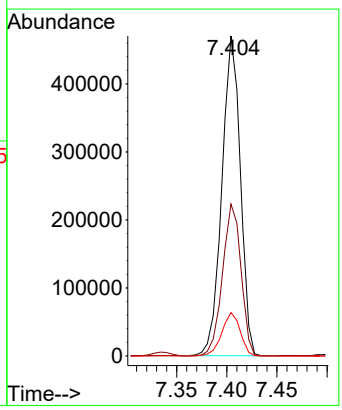


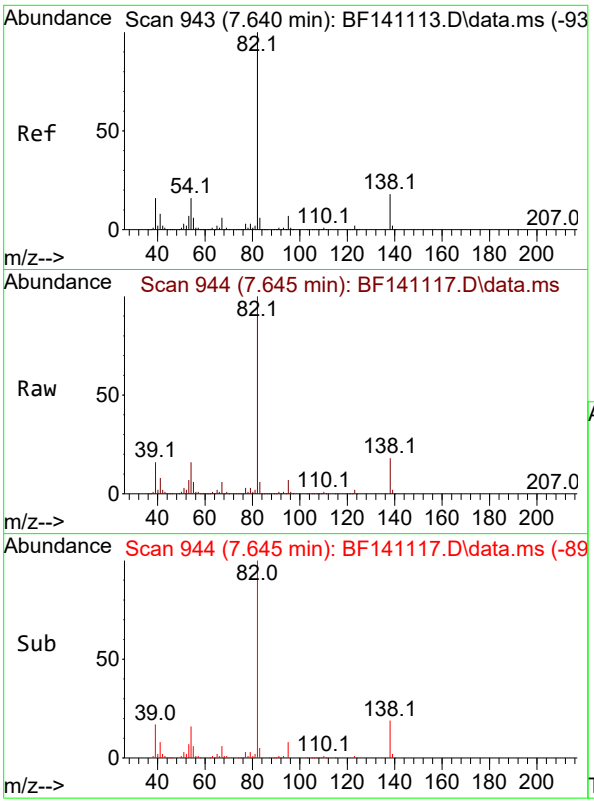


#24
Nitrobenzene
Concen: 48.807 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion: 77 Resp: 599817

Ion	Ratio	Lower	Upper
77	100		
123	47.5	37.7	56.5
65	13.6	10.6	16.0



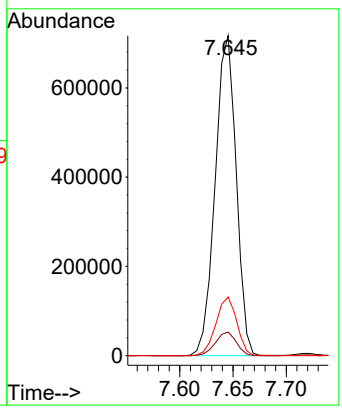


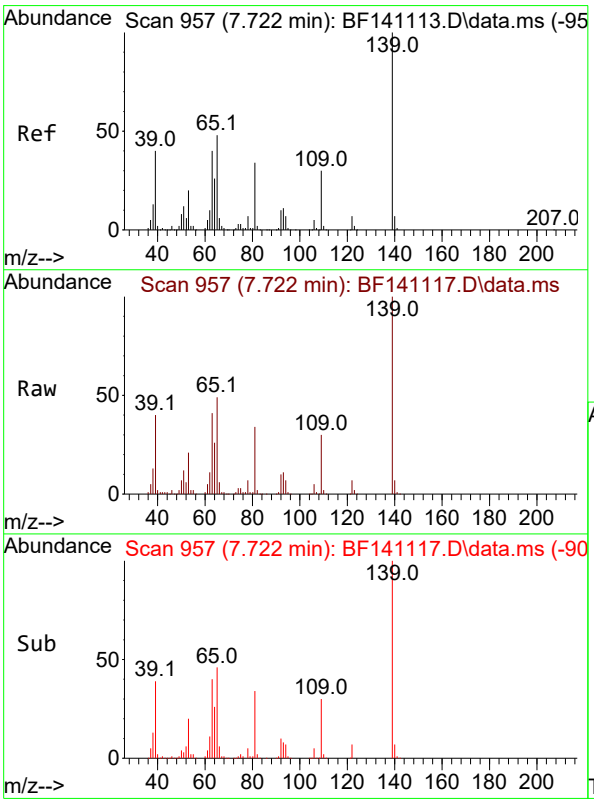
#25
Isophorone
Concen: 48.754 ng
RT: 7.645 min Scan# 94
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 982492

Ion	Ratio	Lower	Upper
82	100		
95	7.4	5.9	8.9
138	18.3	14.2	21.2

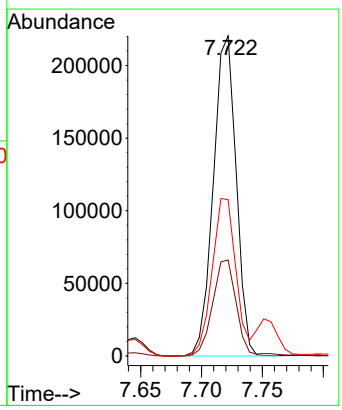


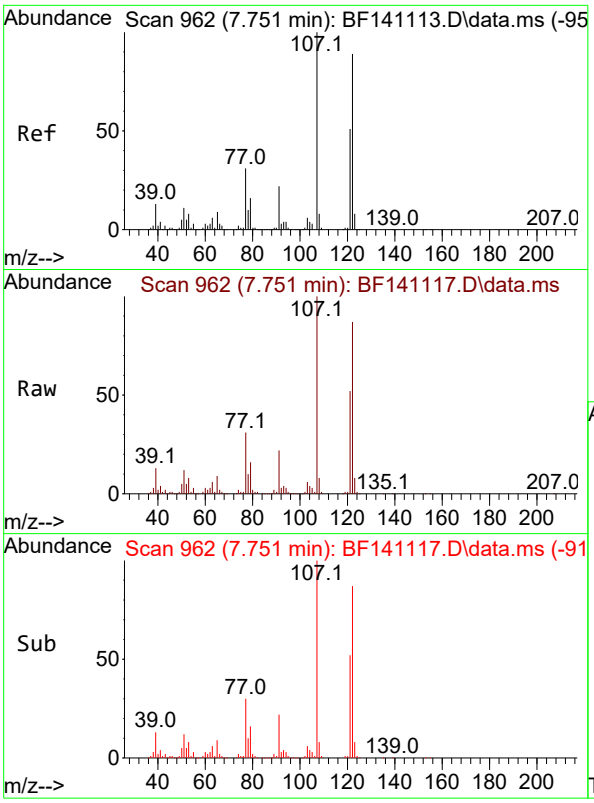


#26
2-Nitrophenol
Concen: 51.416 ng
RT: 7.722 min Scan# 957
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:139 Resp: 287436

Ion	Ratio	Lower	Upper
139	100		
109	30.0	23.8	35.6
65	48.8	38.5	57.7



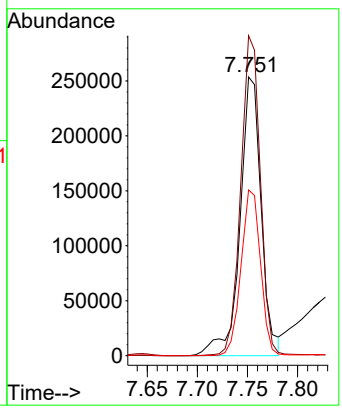


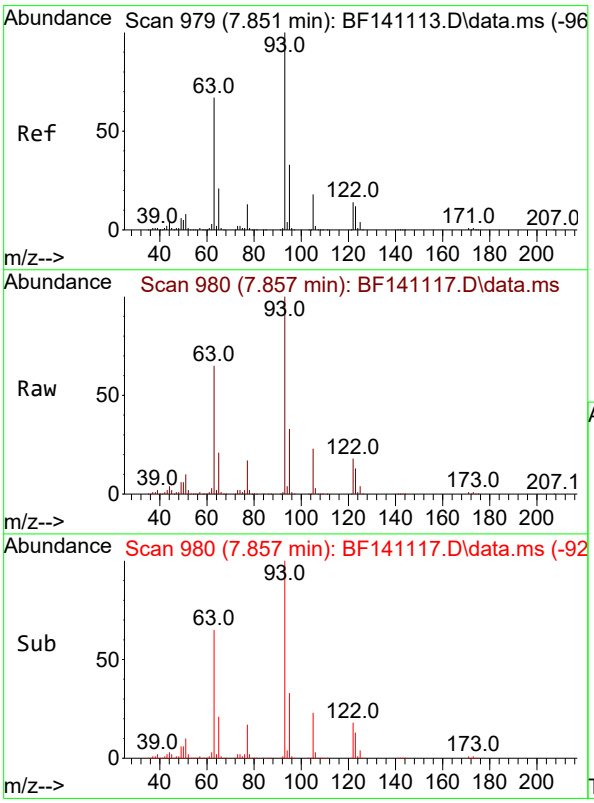
#27
2,4-Dimethylphenol
Concen: 49.629 ng
RT: 7.751 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:122 Resp: 374236

Ion	Ratio	Lower	Upper
122	100		
107	114.8	90.3	135.5
121	59.5	46.5	69.7

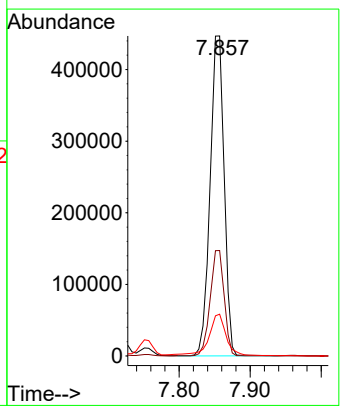


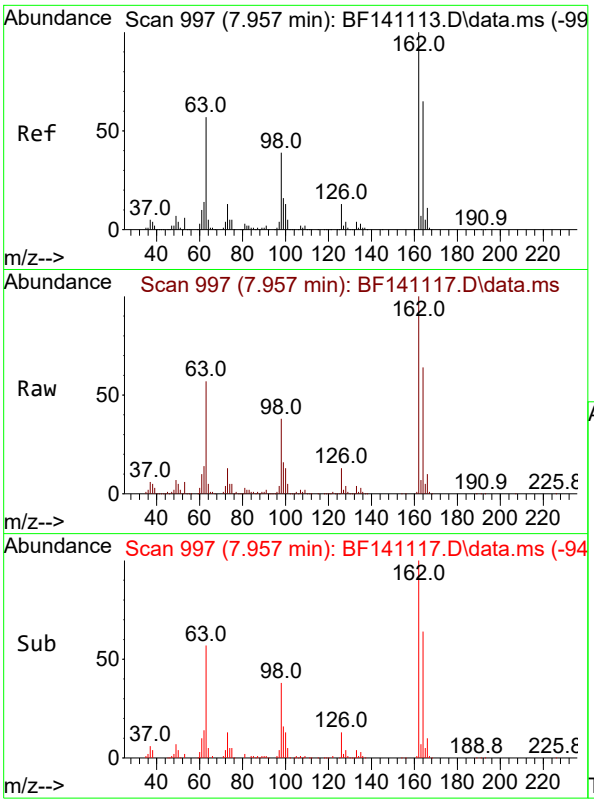


#28
bis(2-Chloroethoxy)methane
Concen: 48.594 ng
RT: 7.857 min Scan# 980
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion: 93 Resp: 614567

Ion	Ratio	Lower	Upper
93	100		
95	33.0	26.2	39.4
123	13.1	10.1	15.1



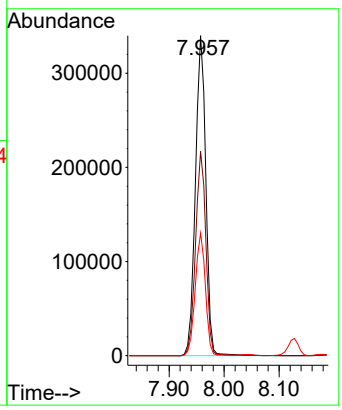


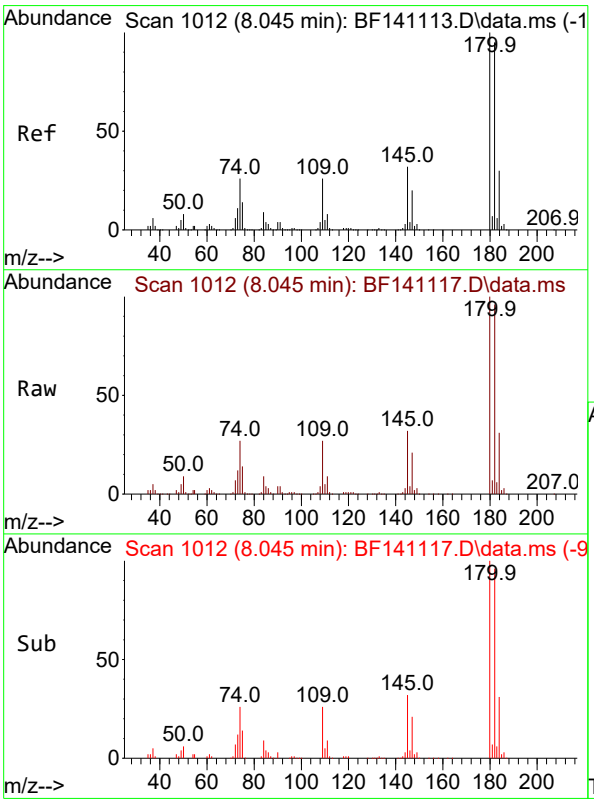
#29
2,4-Dichlorophenol
Concen: 49.935 ng
RT: 7.957 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 447208

Ion	Ratio	Lower	Upper
162	100		
164	63.9	44.5	84.5
98	38.3	18.5	58.5

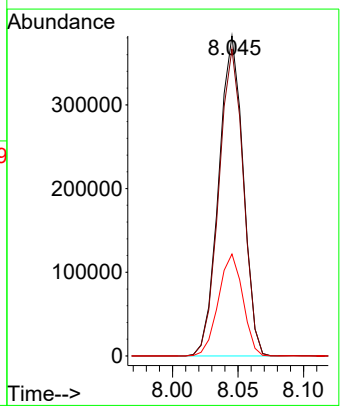


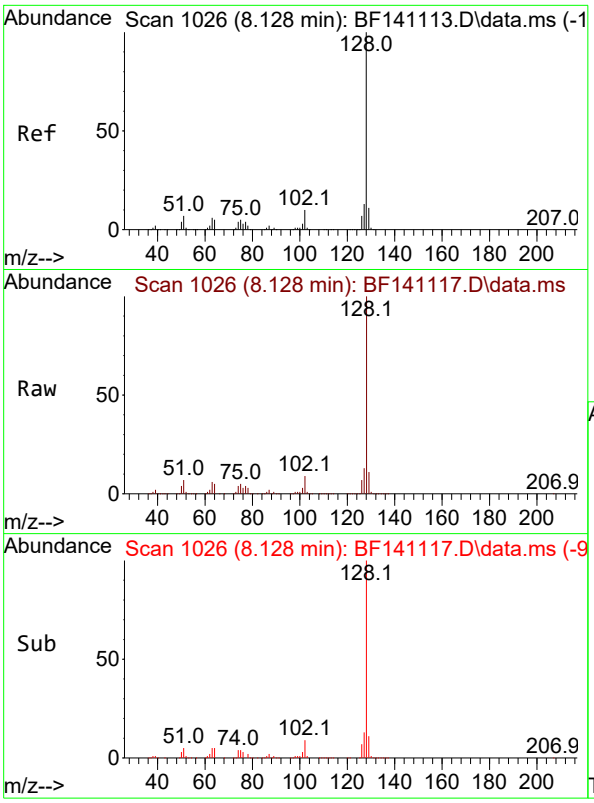


#30
1,2,4-Trichlorobenzene
Concen: 48.394 ng
RT: 8.045 min Scan# 1012
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:180 Resp: 495397

Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.2	114.2
145	31.8	25.3	37.9



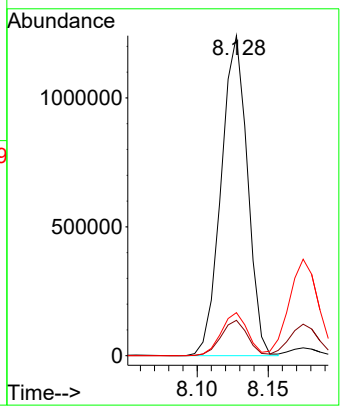


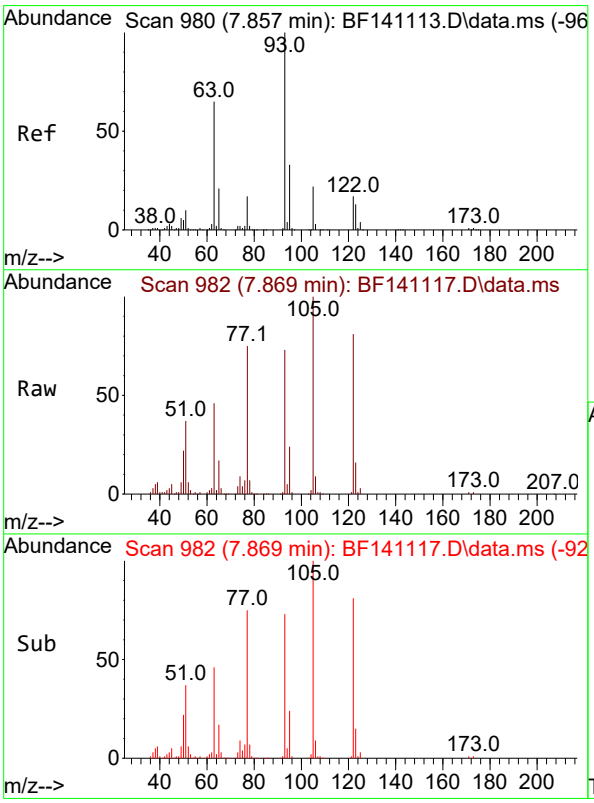
#31
Naphthalene
Concen: 48.495 ng
RT: 8.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:128 Resp: 1598576

Ion	Ratio	Lower	Upper
128	100		
129	11.0	9.0	13.6
127	13.5	10.8	16.2

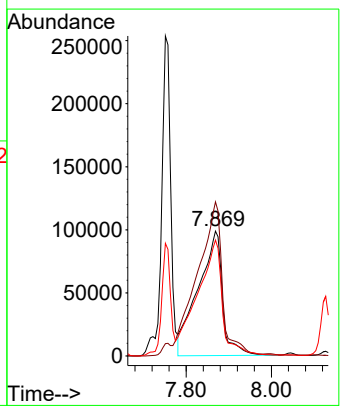


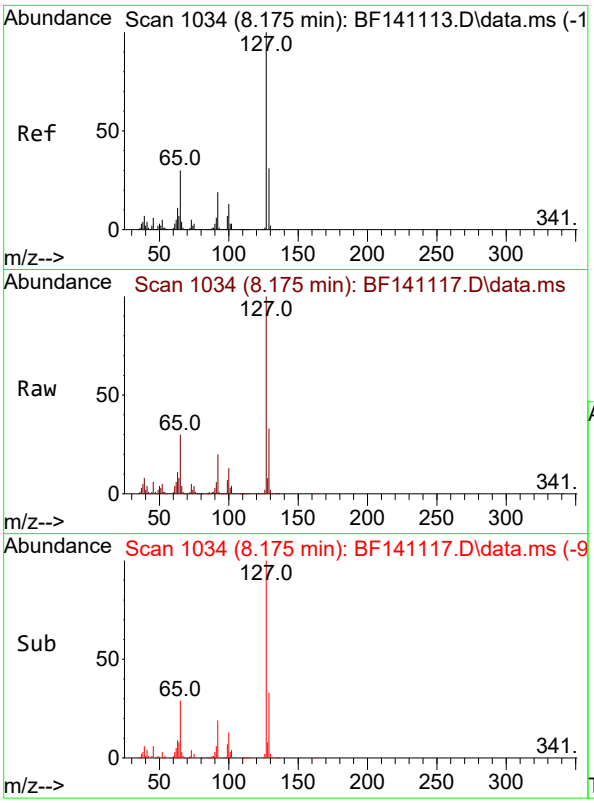


#32
Benzoic acid
Concen: 54.138 ng
RT: 7.869 min Scan# 982
Delta R.T. 0.012 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:122 Resp: 391608

Ion	Ratio	Lower	Upper
122	100		
105	123.5	105.5	145.5
77	92.8	75.1	115.1



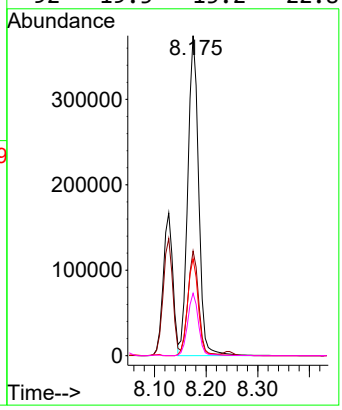


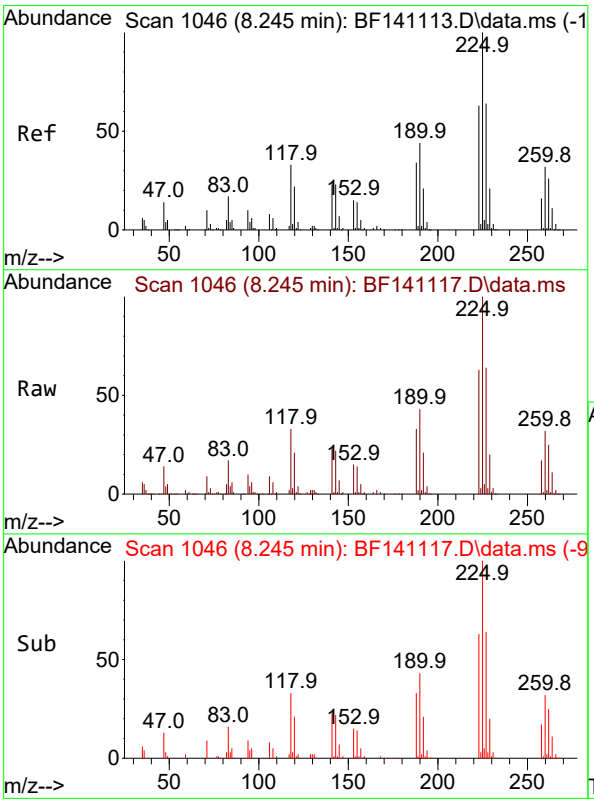
#33
4-Chloroaniline
Concen: 47.801 ng
RT: 8.175 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:127 Resp: 544930

Ion	Ratio	Lower	Upper
127	100		
129	32.7	25.9	38.9
65	30.3	23.8	35.8
92	19.5	15.2	22.8

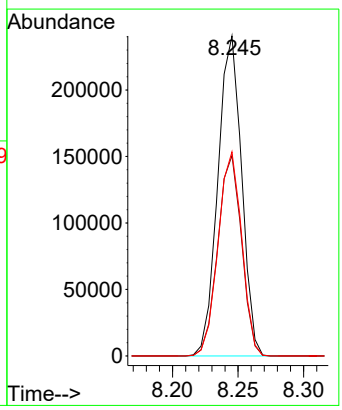


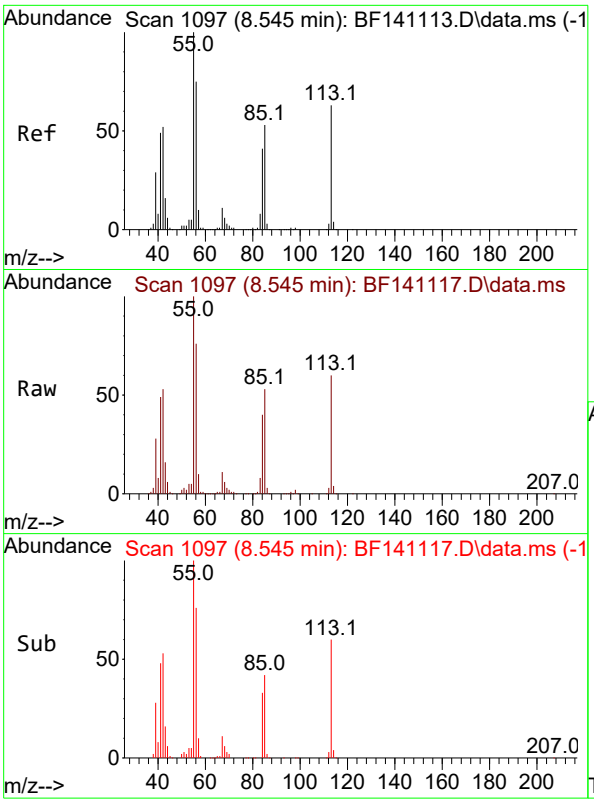


#34
Hexachlorobutadiene
Concen: 49.102 ng
RT: 8.245 min Scan# 1046
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:225 Resp: 302873

Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.6	76.0
227	63.8	51.6	77.4



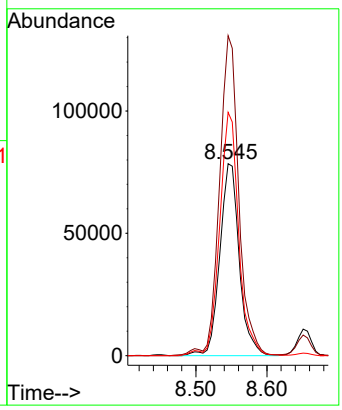


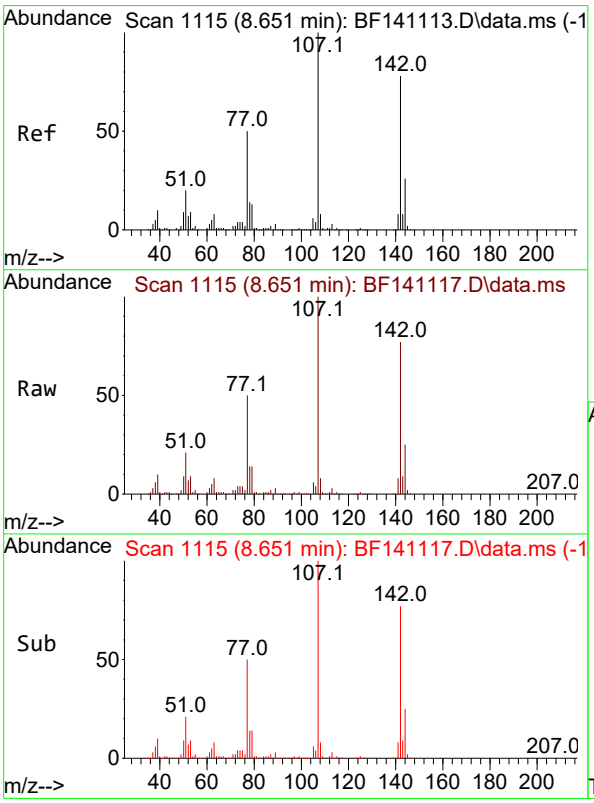
#35
Caprolactam
Concen: 50.598 ng
RT: 8.545 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:113 Resp: 148641

Ion	Ratio	Lower	Upper
113	100		
55	166.6	139.7	179.7
56	126.8	99.4	139.4

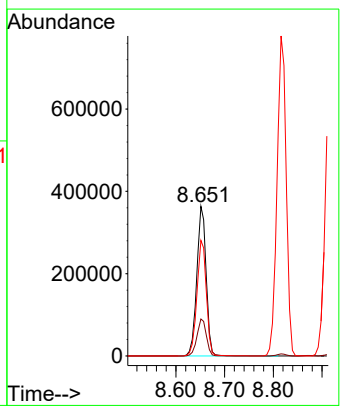


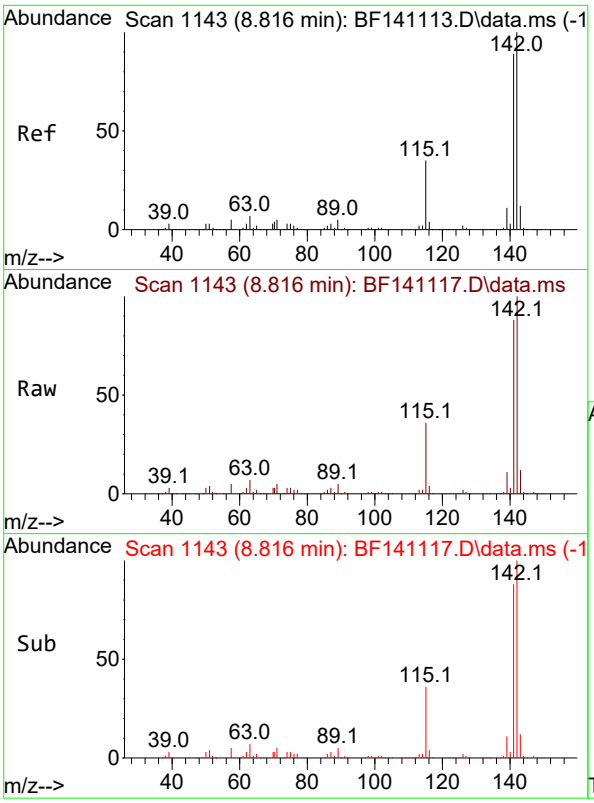


#36
4-Chloro-3-methylphenol
Concen: 49.859 ng
RT: 8.651 min Scan# 1115
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:107 Resp: 488345

Ion	Ratio	Lower	Upper
107	100		
144	24.7	20.4	30.6
142	77.2	62.2	93.2



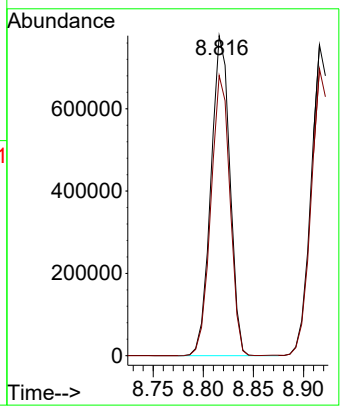


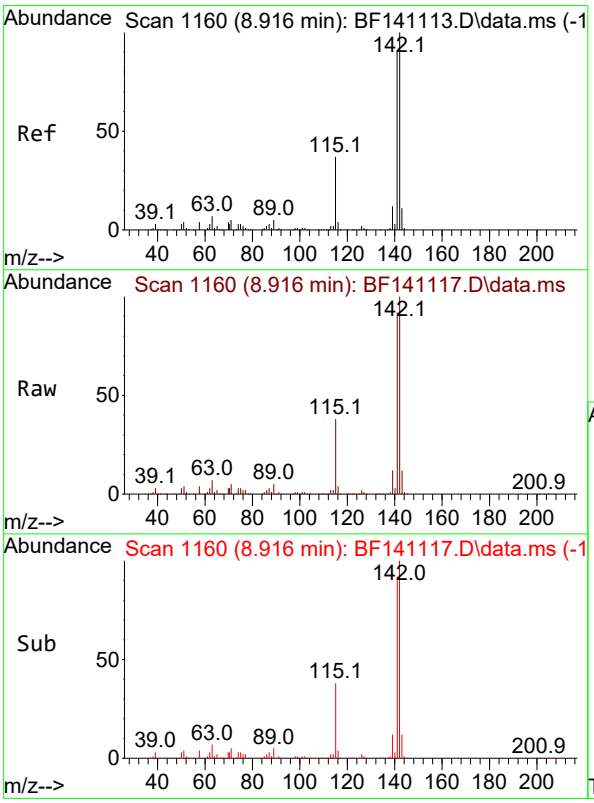
#37
2-Methylnaphthalene
Concen: 48.619 ng
RT: 8.816 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 1021264

Ion	Ratio	Lower	Upper
142	100		
141	87.5	71.3	106.9

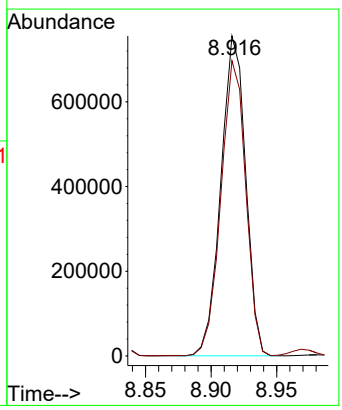


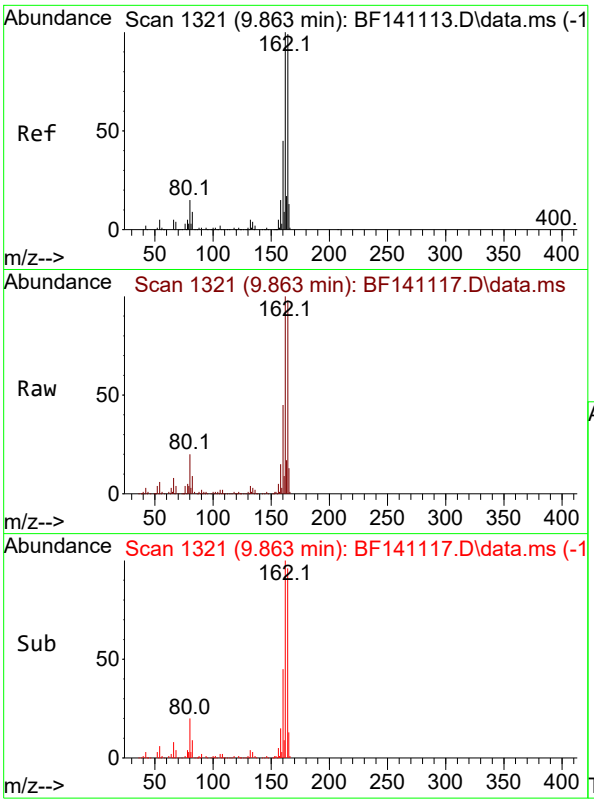


#38
1-Methylnaphthalene
Concen: 47.950 ng
RT: 8.916 min Scan# 1160
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:142 Resp: 992651

Ion	Ratio	Lower	Upper
142	100		
141	92.3	73.1	109.7



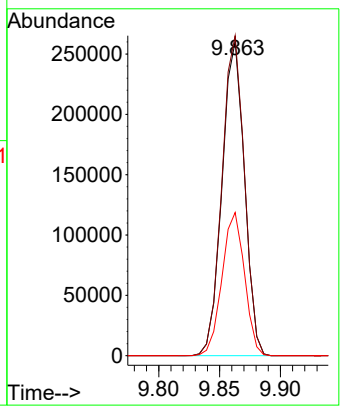


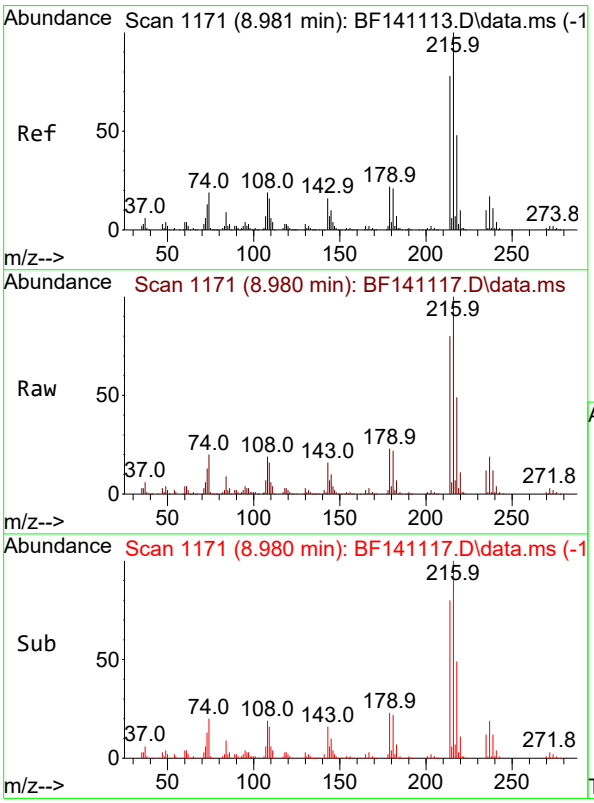
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:164 Resp: 333513

Ion	Ratio	Lower	Upper
164	100		
162	101.9	81.0	121.4
160	45.6	36.1	54.1

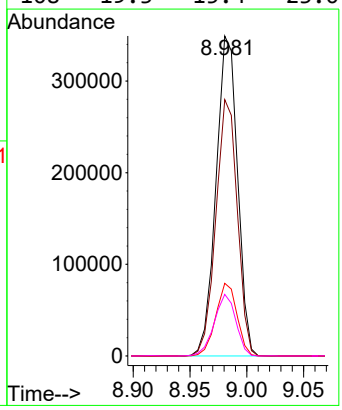


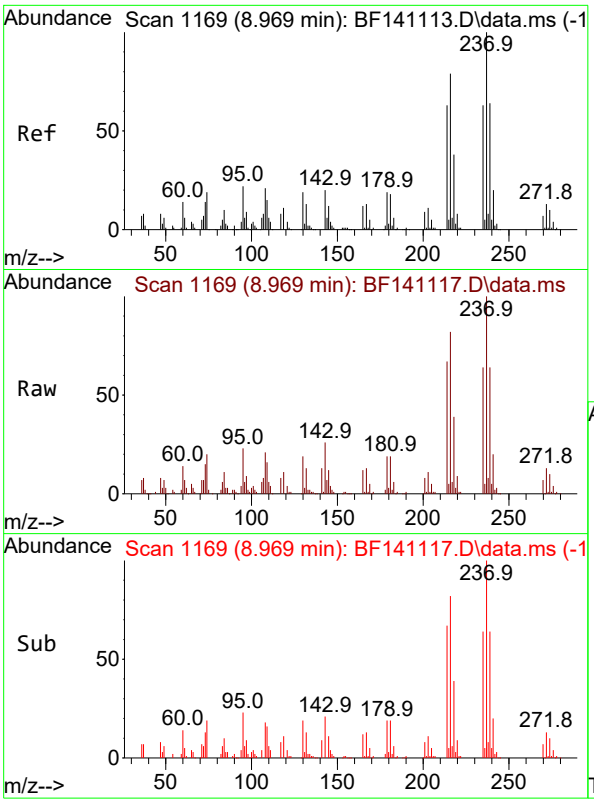


#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.082 ng
RT: 8.980 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:216 Resp: 460261

Ion	Ratio	Lower	Upper
216	100		
214	79.7	62.6	94.0
179	22.3	17.7	26.5
108	19.3	15.4	23.0



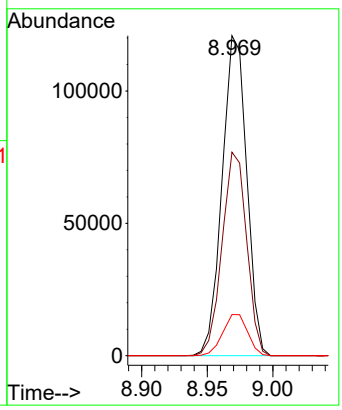


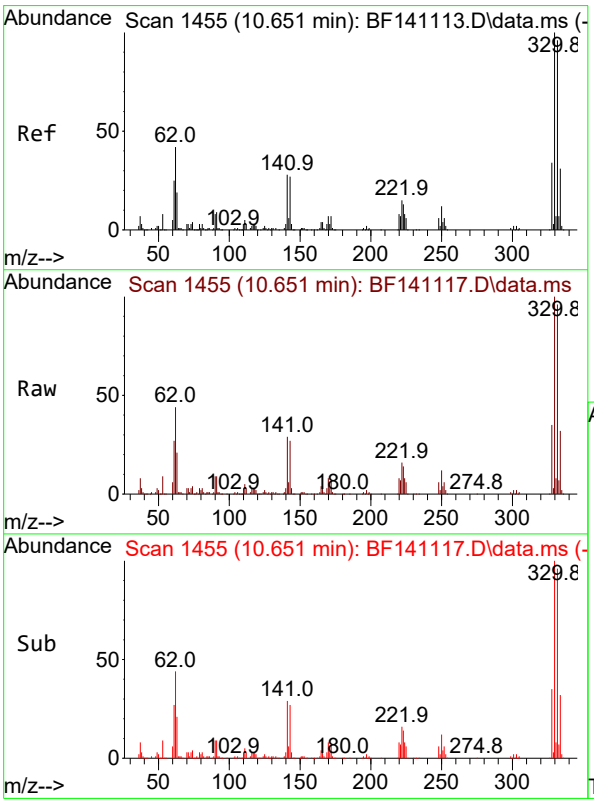
#41
Hexachlorocyclopentadiene
Concen: 50.395 ng
RT: 8.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:237 Resp: 157828

Ion	Ratio	Lower	Upper
237	100		
235	63.6	43.0	83.0
272	12.8	0.0	33.0

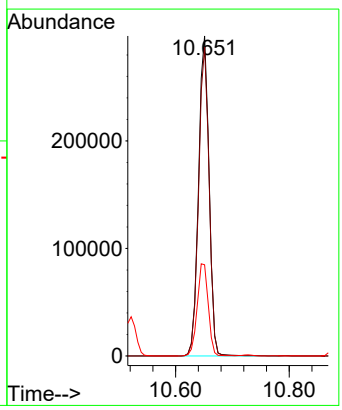


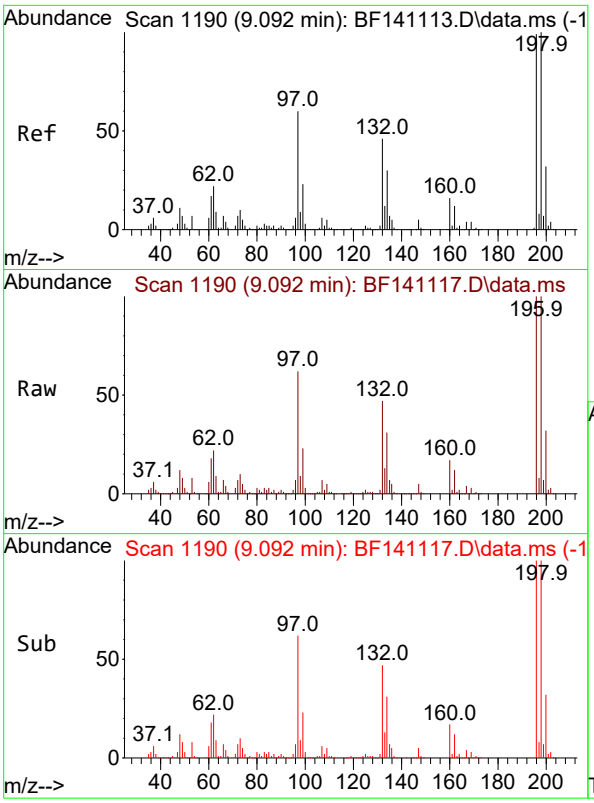


#42
2,4,6-Tribromophenol
Concen: 101.033 ng
RT: 10.651 min Scan# 1455
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:330 Resp: 383942

Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.9	115.3
141	30.2	25.2	37.8



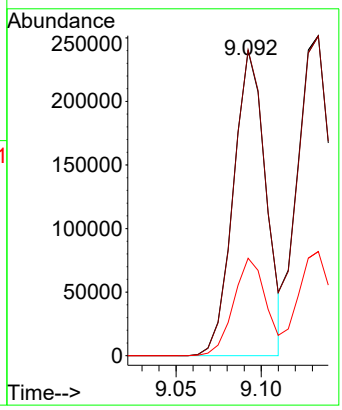


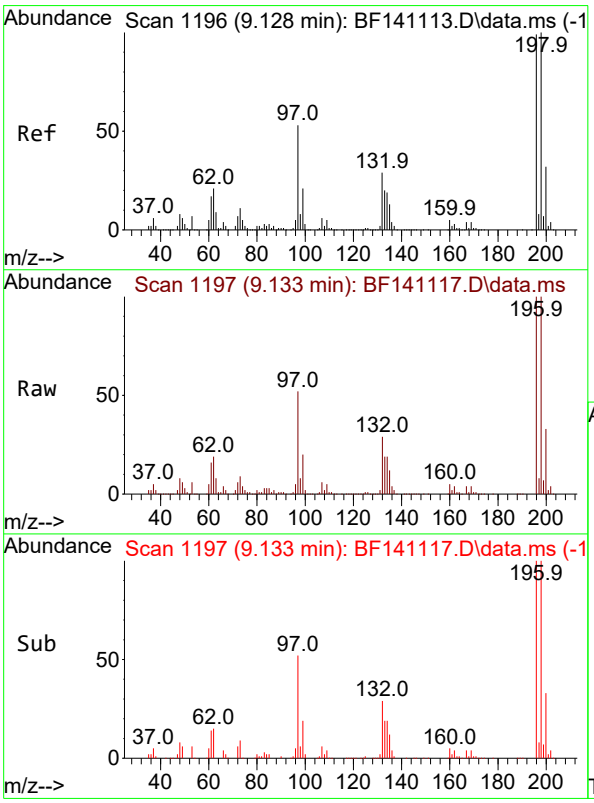
#43
2,4,6-Trichlorophenol
Concen: 49.299 ng
RT: 9.092 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:196 Resp: 318276

Ion	Ratio	Lower	Upper
196	100		
198	100.3	80.8	121.2
200	32.0	25.7	38.5

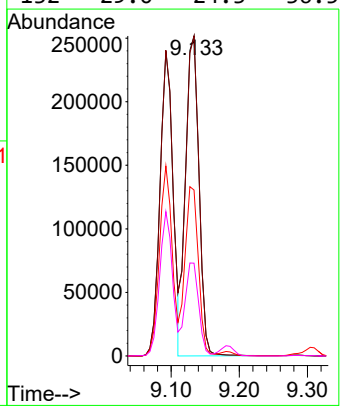


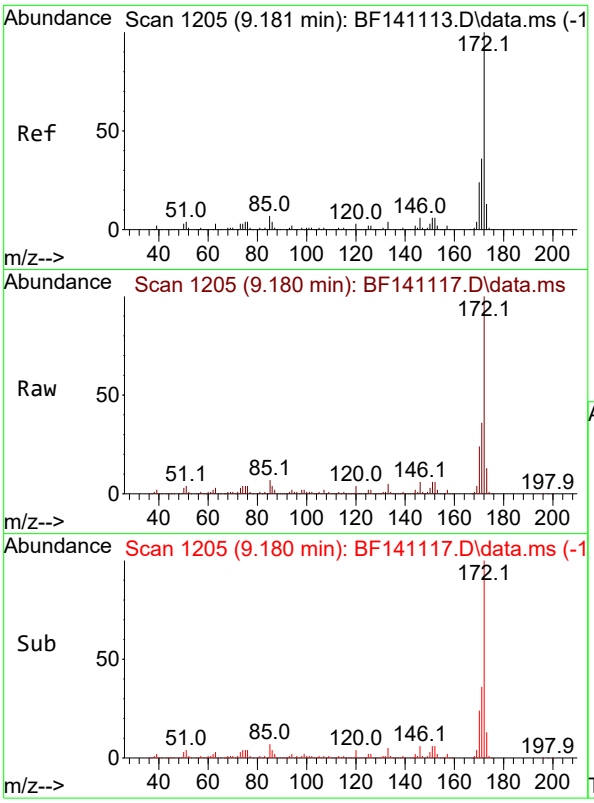


#44
2,4,5-Trichlorophenol
Concen: 50.201 ng
RT: 9.133 min Scan# 1197
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:196 Resp: 342288

Ion	Ratio	Lower	Upper
196	100		
198	99.9	80.6	120.8
97	51.9	43.1	64.7
132	29.0	24.3	36.5



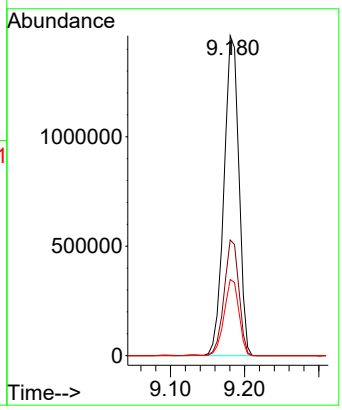


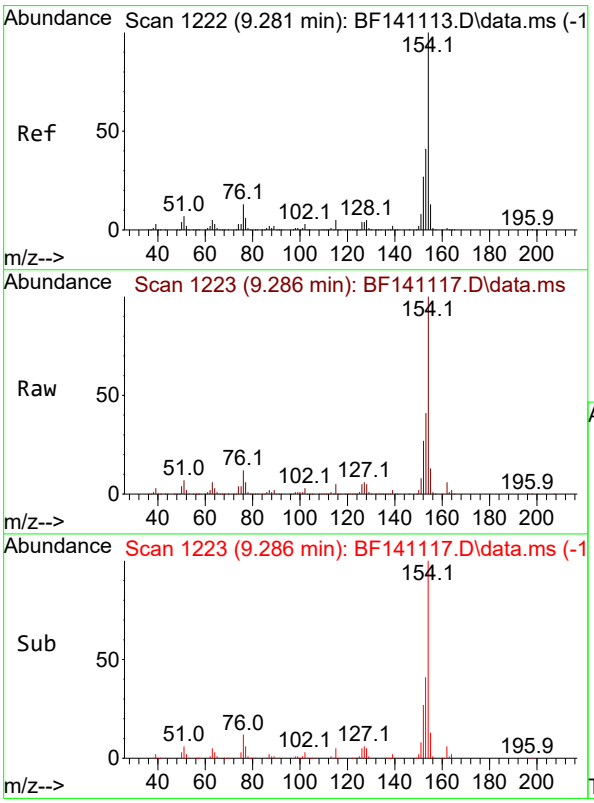
#45
2-Fluorobiphenyl
Concen: 93.427 ng
RT: 9.180 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:172 Resp: 2040487

Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.7	43.1
170	23.8	19.0	28.6

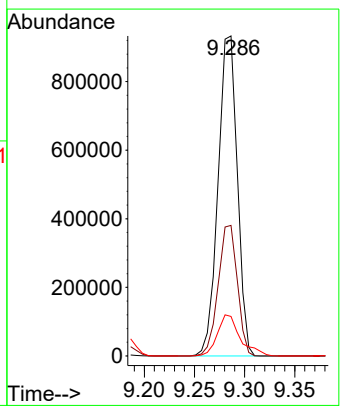


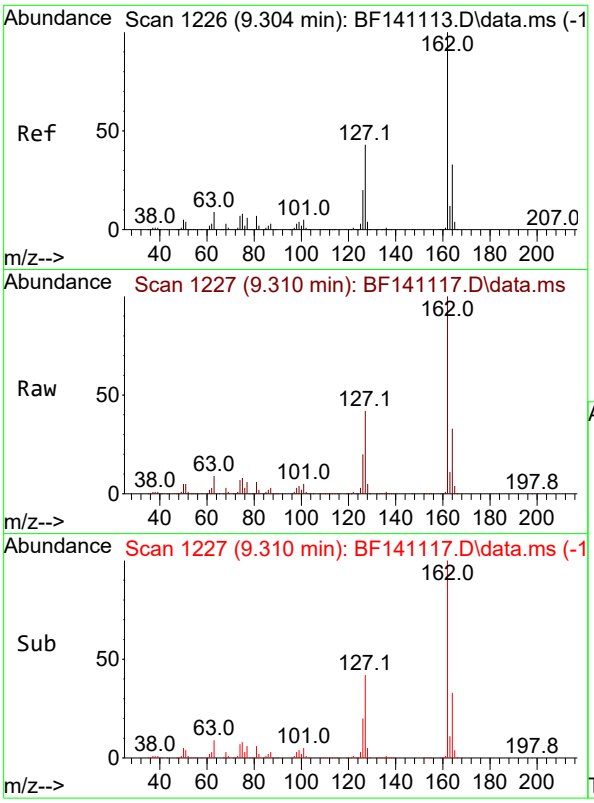


#46
1,1'-Biphenyl
Concen: 48.003 ng
RT: 9.286 min Scan# 1223
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:154 Resp: 1243305

Ion	Ratio	Lower	Upper
154	100		
153	40.8	20.7	60.7
76	12.4	0.0	33.1



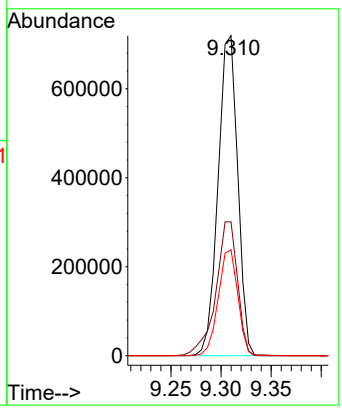


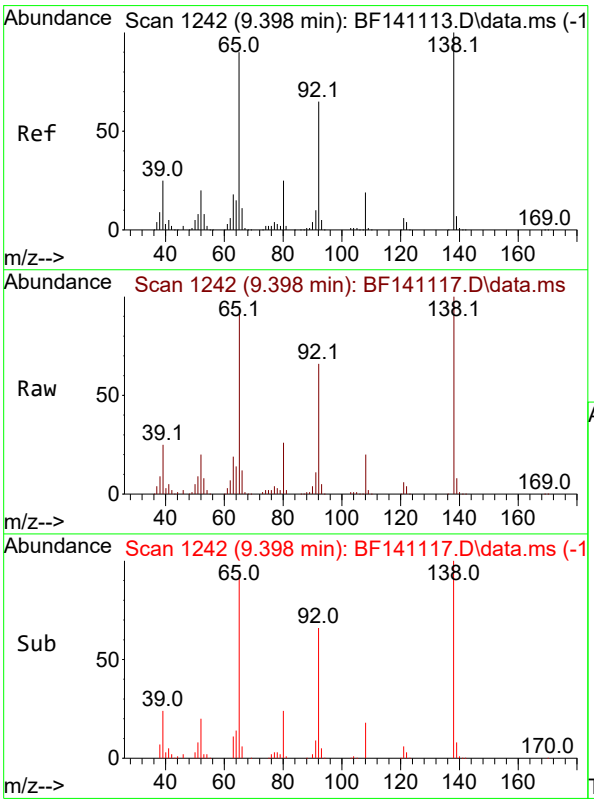
#47
2-Chloronaphthalene
Concen: 48.530 ng
RT: 9.310 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 979002

Ion	Ratio	Lower	Upper
162	100		
127	41.9	34.6	51.8
164	33.1	26.5	39.7

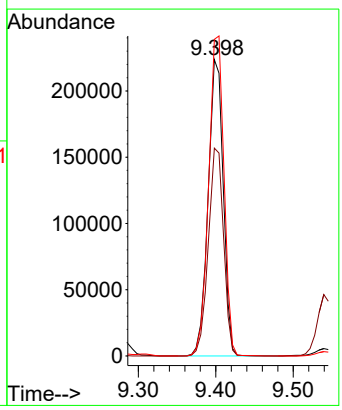


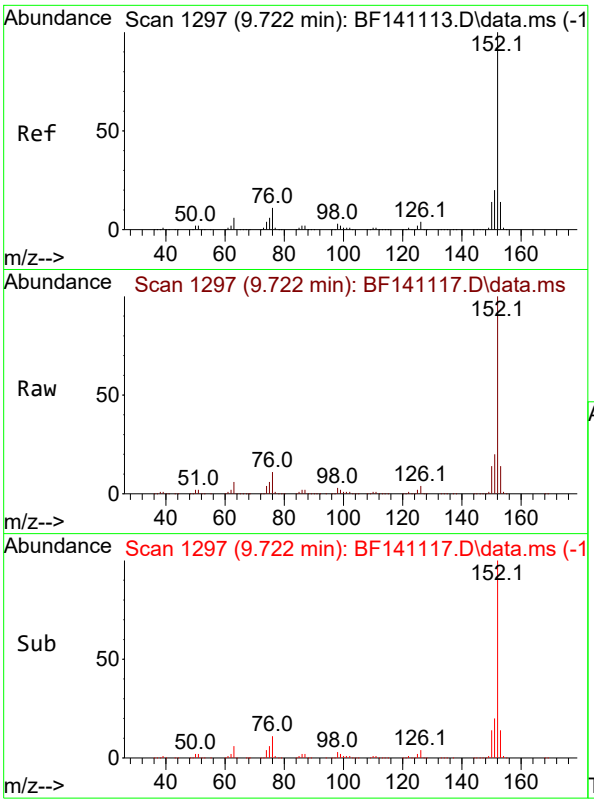


#48
2-Nitroaniline
Concen: 50.844 ng
RT: 9.398 min Scan# 1242
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion: 65 Resp: 304048

Ion	Ratio	Lower	Upper
65	100		
92	70.1	58.3	87.5
138	106.9	89.1	133.7



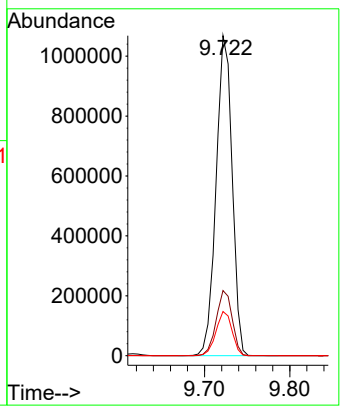


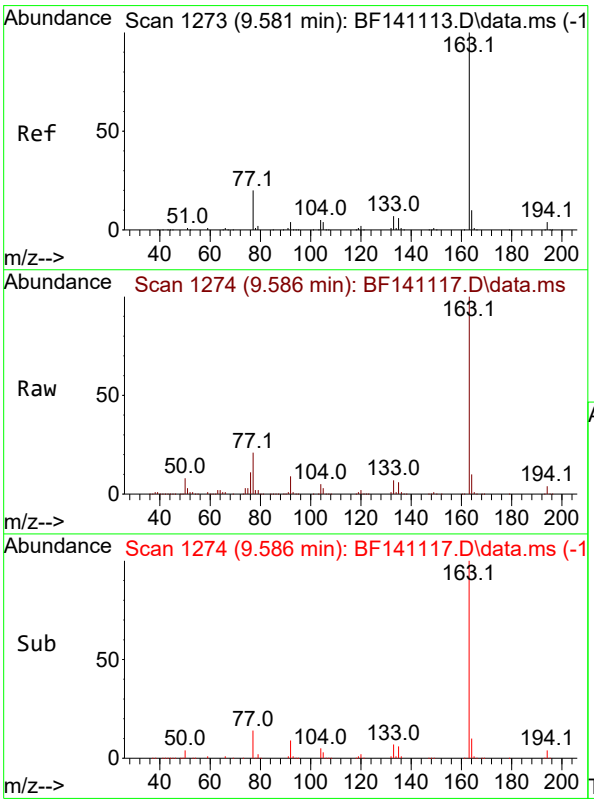
#49
Acenaphthylene
Concen: 48.539 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 1398990

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.1	24.1
153	13.8	11.1	16.7

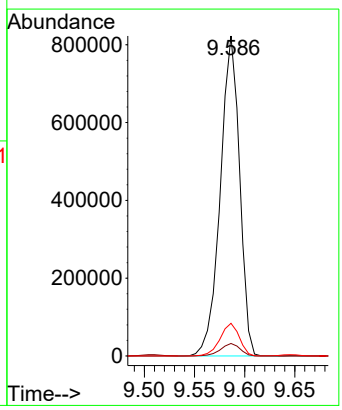


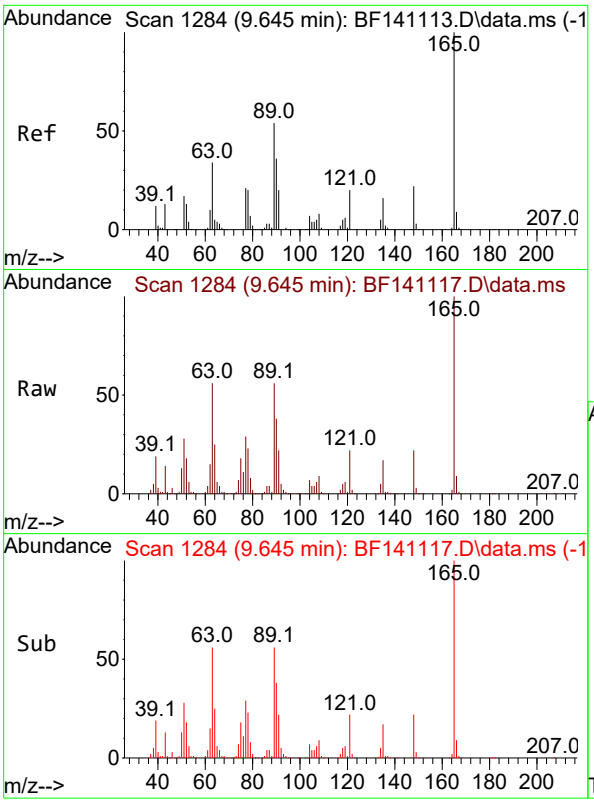


#50
Dimethylphthalate
Concen: 49.076 ng
RT: 9.586 min Scan# 1274
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:163 Resp: 1098805

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.0	4.6
164	10.2	8.2	12.4



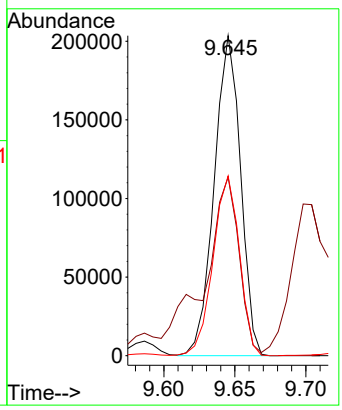


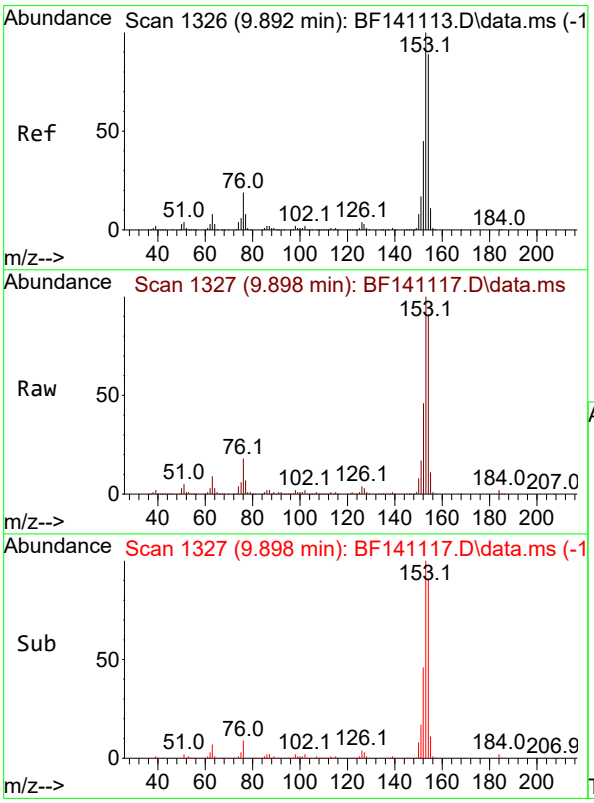
#51
2,6-Dinitrotoluene
Concen: 50.434 ng
RT: 9.645 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 262596

Ion	Ratio	Lower	Upper
165	100		
63	55.8	42.3	63.5
89	56.1	43.1	64.7

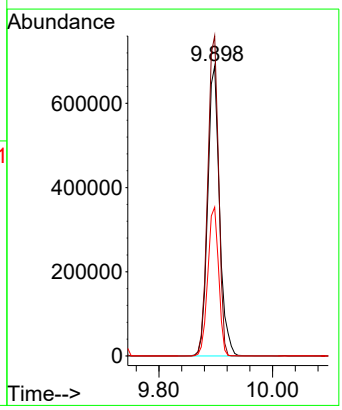


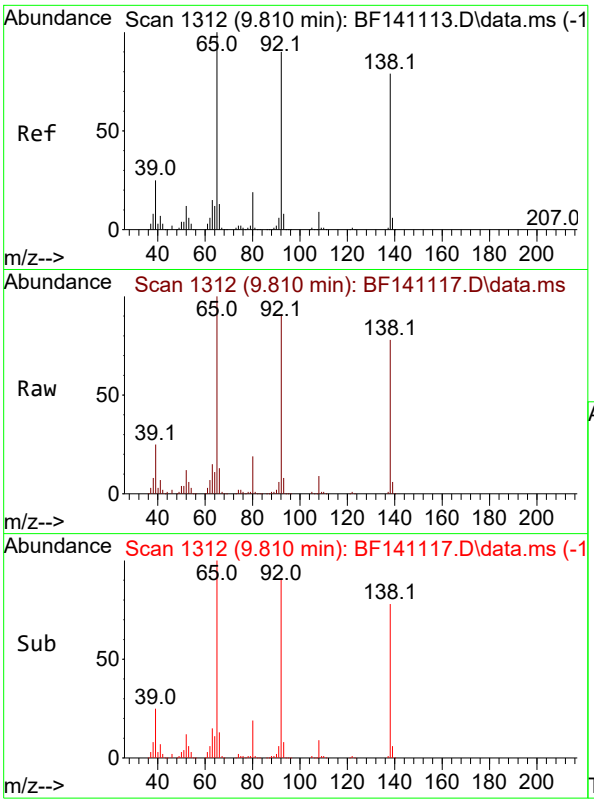


#52
Acenaphthene
Concen: 49.066 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:154 Resp: 988008

Ion	Ratio	Lower	Upper
154	100		
153	110.4	89.8	134.6
152	51.3	40.8	61.2



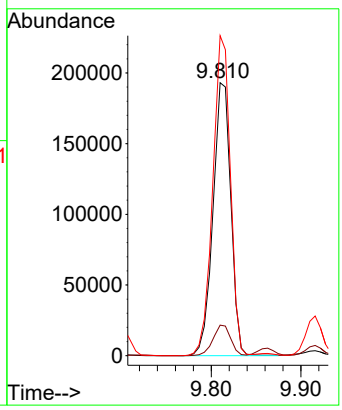


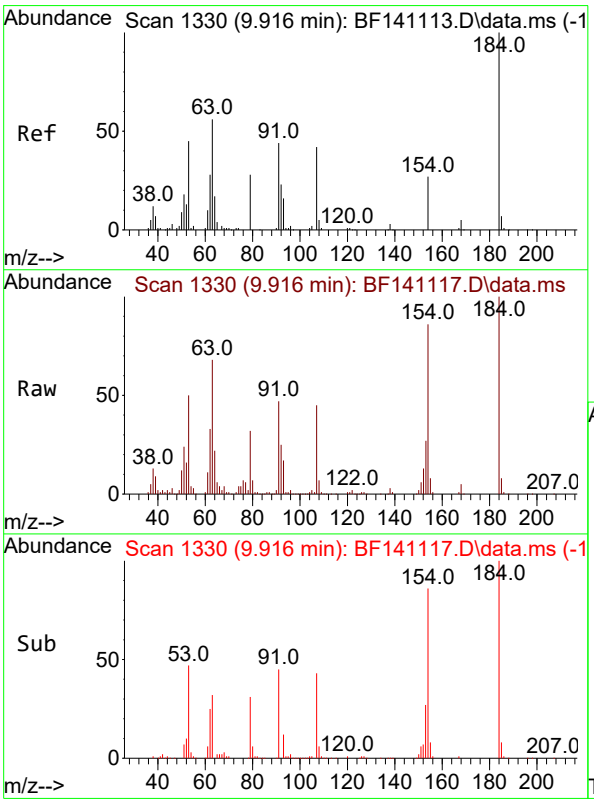
#53
3-Nitroaniline
Concen: 50.440 ng
RT: 9.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:138 Resp: 266881

Ion	Ratio	Lower	Upper
138	100		
108	11.2	8.8	13.2
92	117.2	91.3	136.9

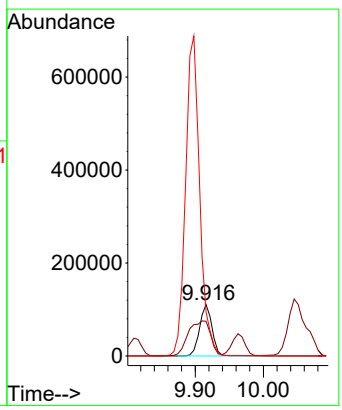


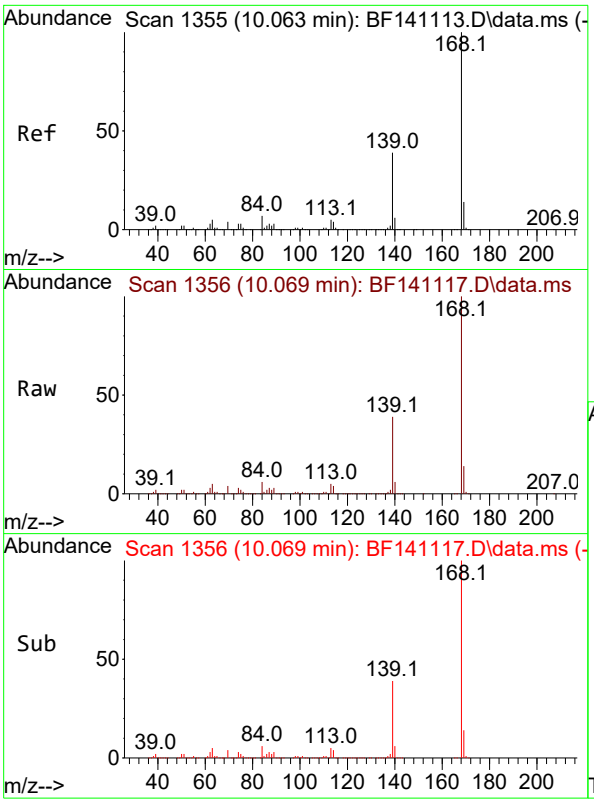


#54
2,4-Dinitrophenol
Concen: 56.530 ng
RT: 9.916 min Scan# 1330
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:184 Resp: 139903

Ion	Ratio	Lower	Upper
184	100		
63	67.8	48.7	73.1
154	86.2	57.1	85.7#



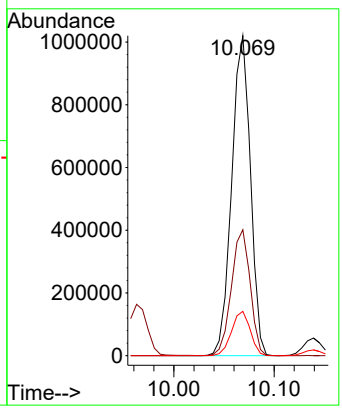


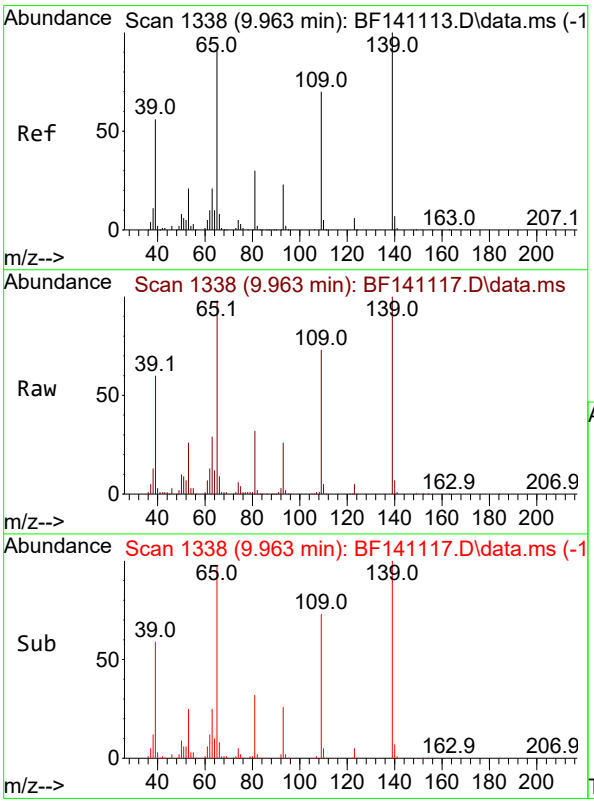
#55
Dibenzofuran
Concen: 48.261 ng
RT: 10.069 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:168 Resp: 1321844

Ion	Ratio	Lower	Upper
168	100		
139	39.3	31.4	47.0
169	13.9	10.9	16.3

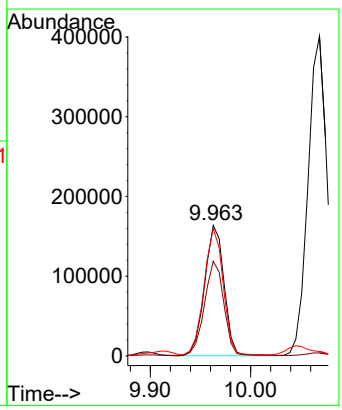


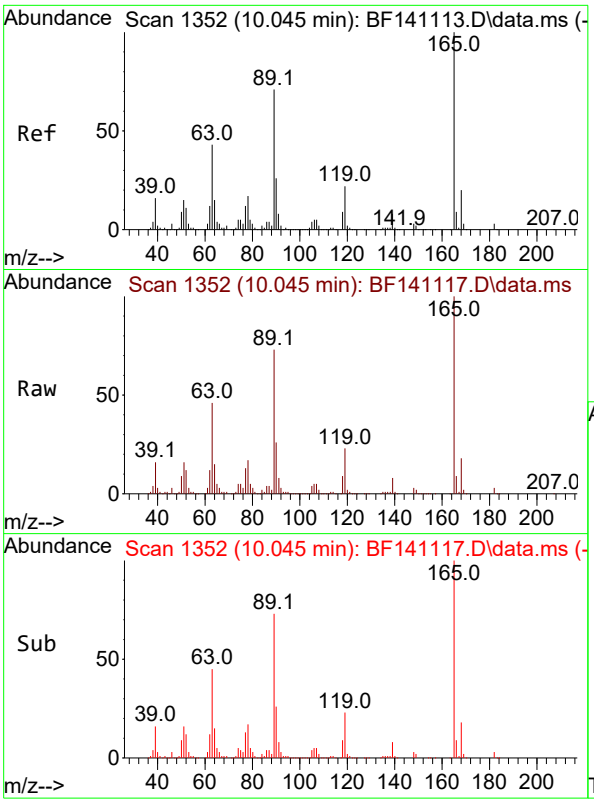


#56
4-Nitrophenol
Concen: 53.183 ng
RT: 9.963 min Scan# 1338
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:139 Resp: 220382

Ion	Ratio	Lower	Upper
139	100		
109	72.5	50.2	90.2
65	97.7	72.1	112.1



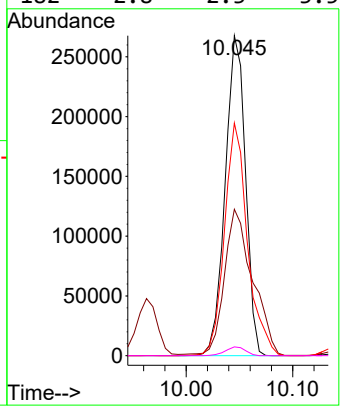


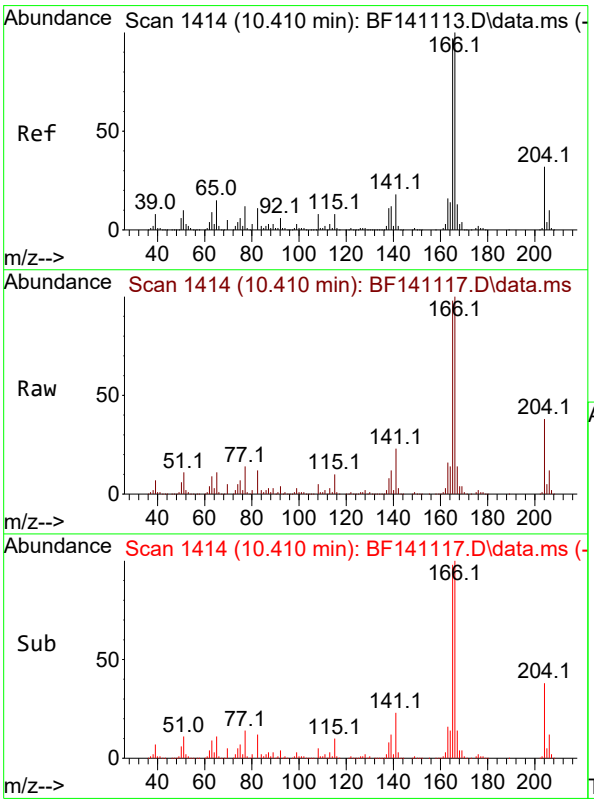
#57
2,4-Dinitrotoluene
Concen: 52.728 ng
RT: 10.045 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 353808

Ion	Ratio	Lower	Upper
165	100		
63	45.8	35.0	52.4
89	72.7	56.7	85.1
182	2.8	2.3	3.5

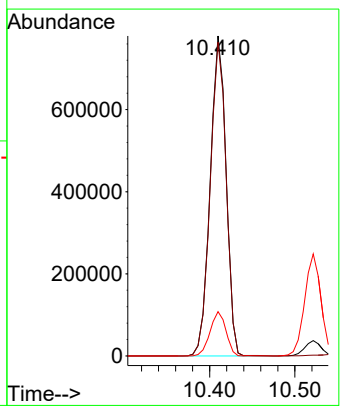


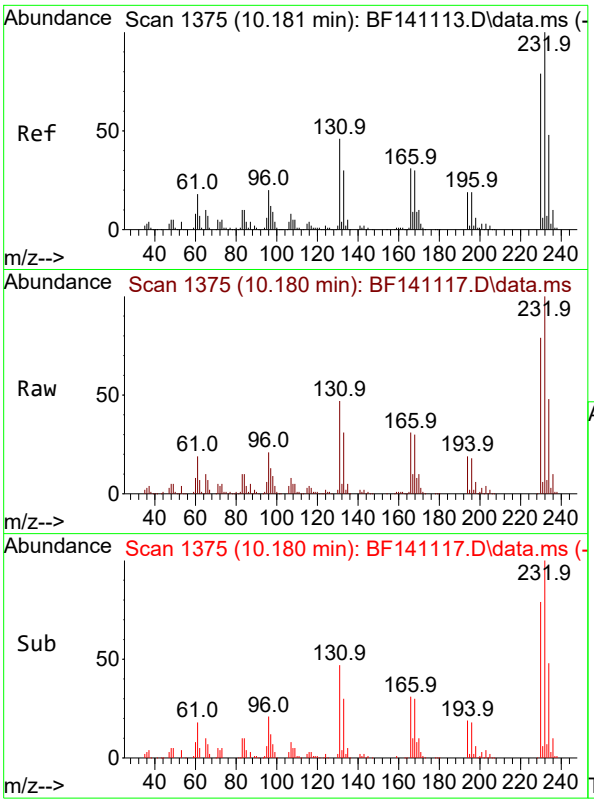


#58
Fluorene
Concen: 47.543 ng
RT: 10.410 min Scan# 1414
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:166 Resp: 1011650

Ion	Ratio	Lower	Upper
166	100		
165	98.1	77.8	116.8
167	13.8	10.8	16.2



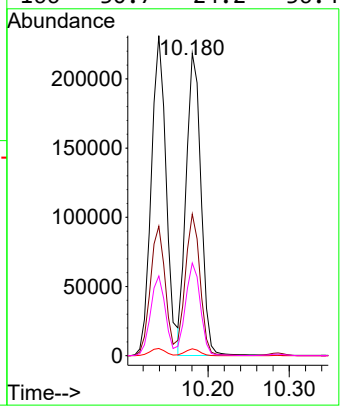


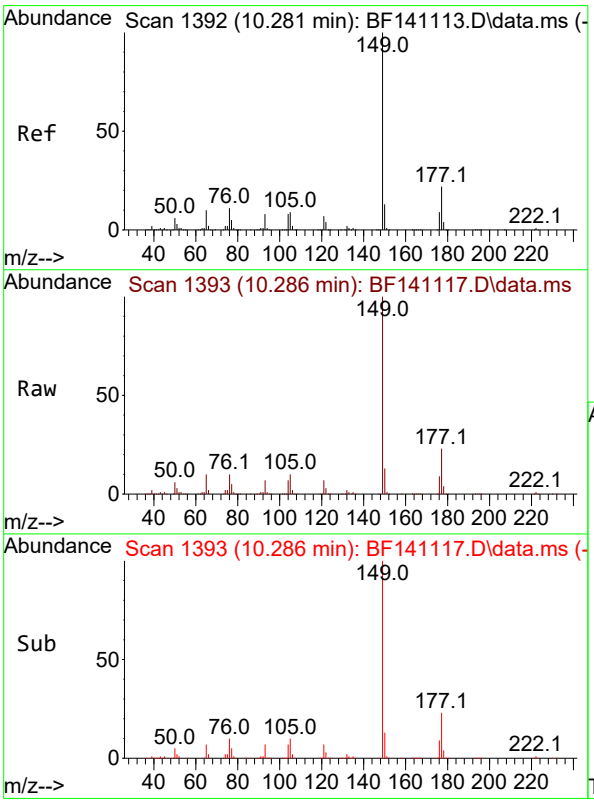
#59
2,3,4,6-Tetrachlorophenol
Concen: 49.019 ng
RT: 10.180 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:232 Resp: 277818

Ion	Ratio	Lower	Upper
232	100		
131	46.8	36.2	54.4
130	2.3	2.0	3.0
166	30.7	24.2	36.4

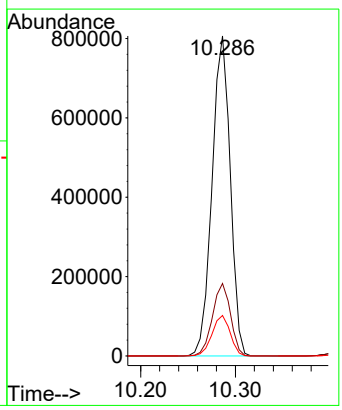


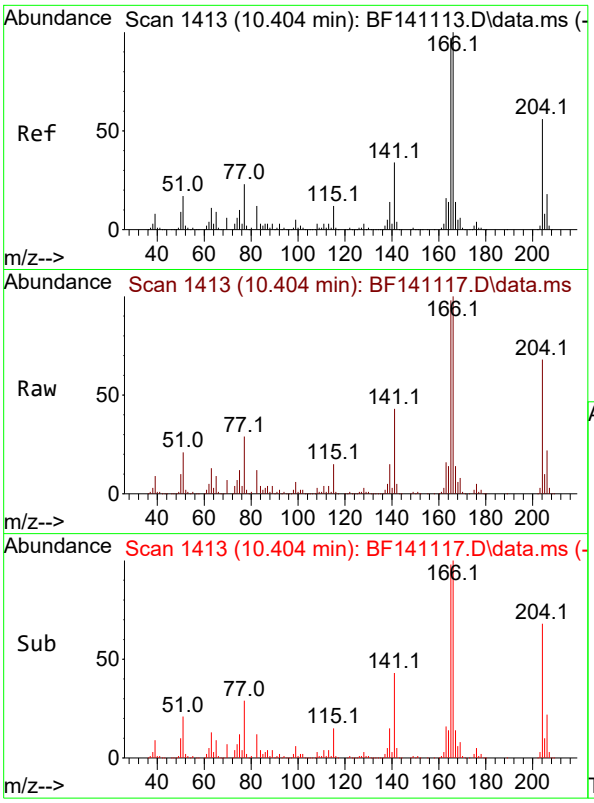


#60
Diethylphthalate
Concen: 49.171 ng
RT: 10.286 min Scan# 1393
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:149 Resp: 1074789

Ion	Ratio	Lower	Upper
149	100		
177	22.7	17.9	26.9
150	12.6	10.2	15.2



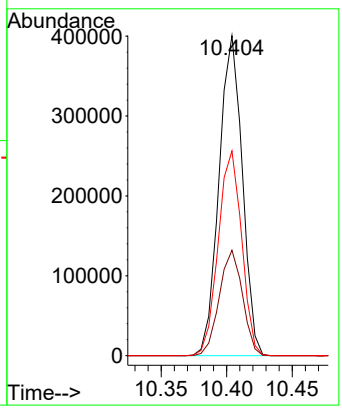


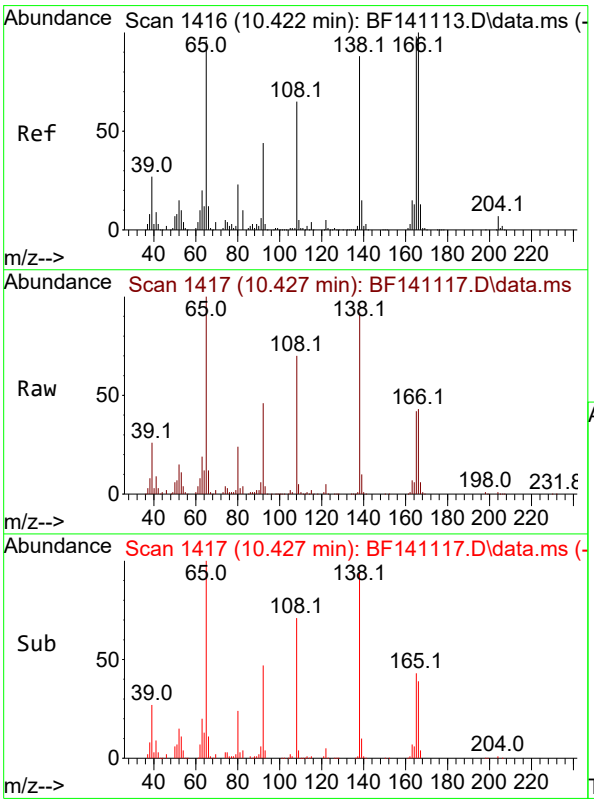
#61
4-Chlorophenyl-phenylether
Concen: 47.665 ng
RT: 10.404 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:204 Resp: 494329

Ion	Ratio	Lower	Upper
204	100		
206	32.9	25.9	38.9
141	64.0	49.1	73.7

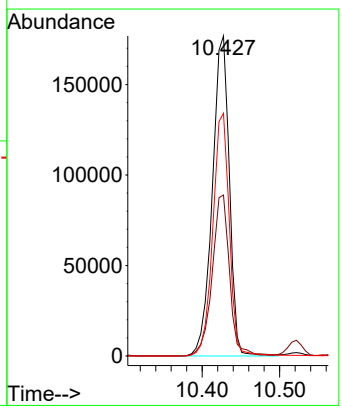


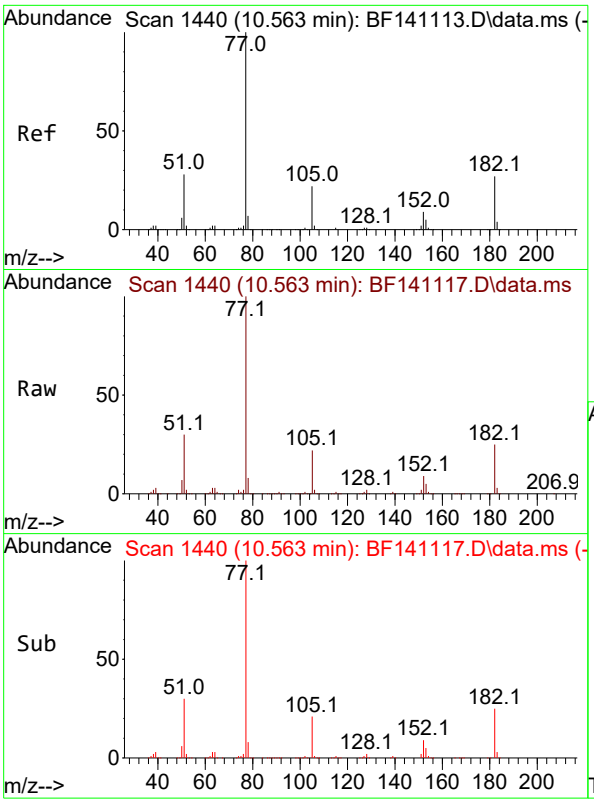


#62
4-Nitroaniline
Concen: 52.024 ng
RT: 10.427 min Scan# 1417
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:138 Resp: 269415

Ion	Ratio	Lower	Upper
138	100		
92	50.3	29.4	69.4
108	75.9	53.7	93.7



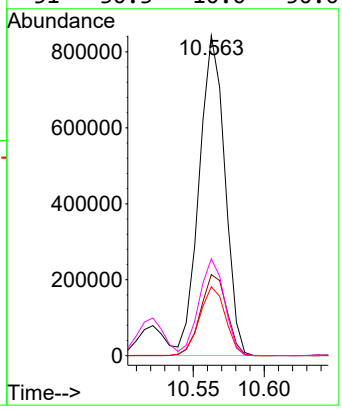


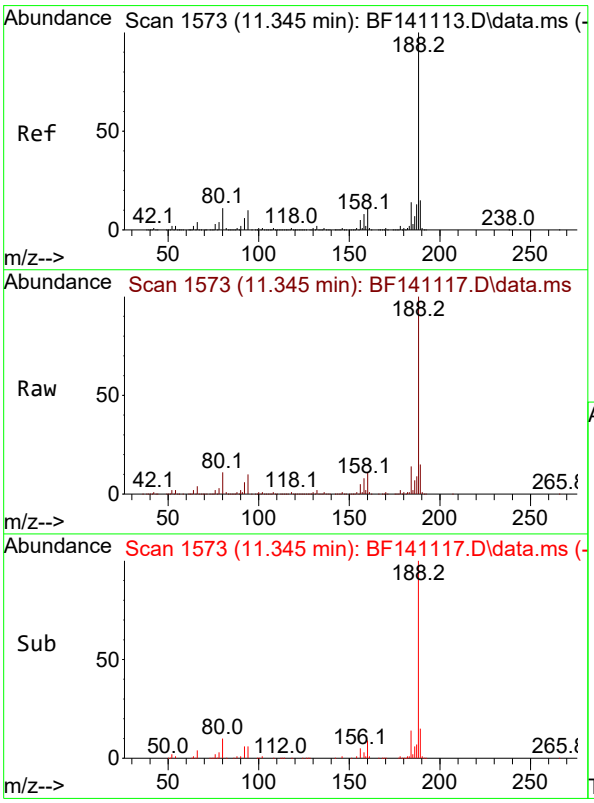
#63
Azobenzene
Concen: 48.881 ng
RT: 10.563 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 1054277

Ion	Ratio	Lower	Upper
77	100		
182	25.4	6.1	46.1
105	21.6	2.1	42.1
51	30.3	10.0	50.0

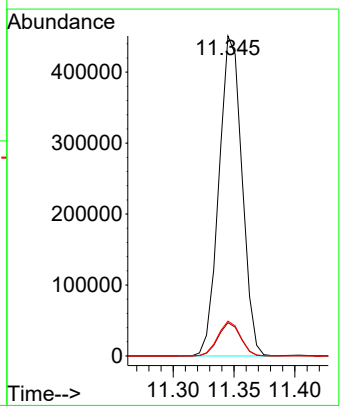


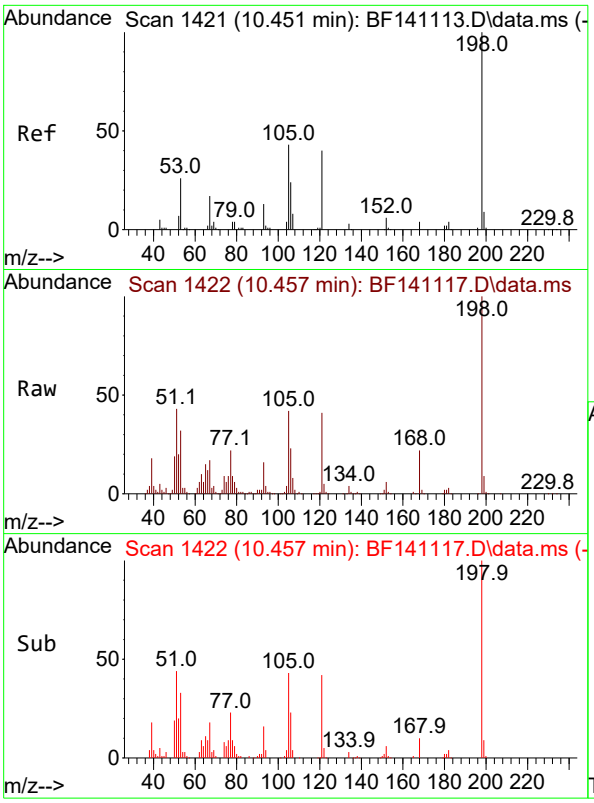


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:188 Resp: 593257

Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.3	12.5
80	10.9	9.0	13.4



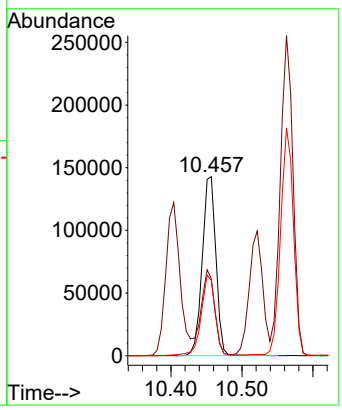


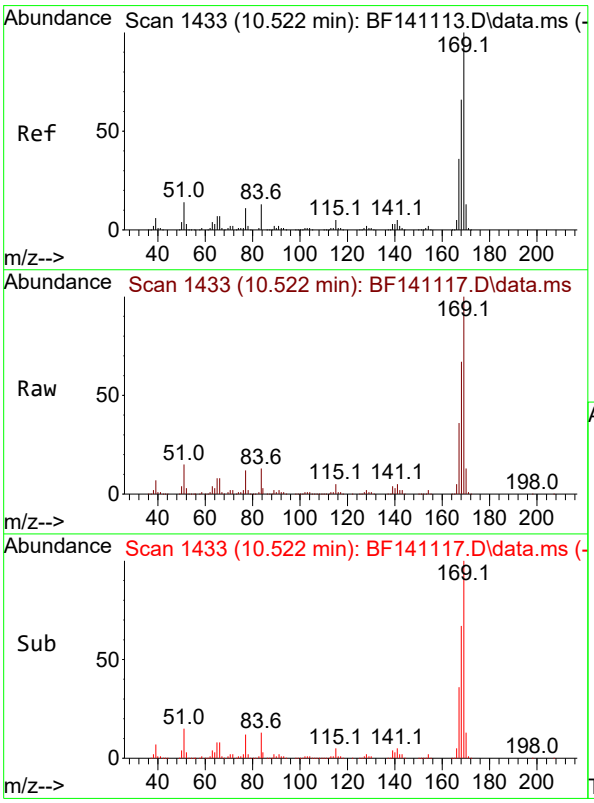
#65
4,6-Dinitro-2-methylphenol
Concen: 55.890 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 192136

Ion	Ratio	Lower	Upper
198	100		
51	42.9	27.1	67.1
105	42.1	24.2	64.2

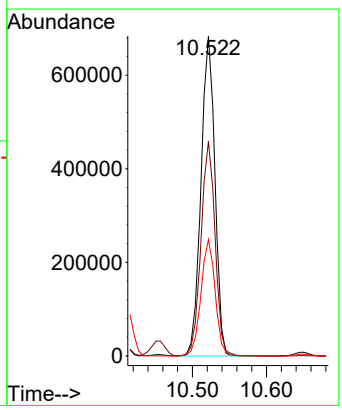


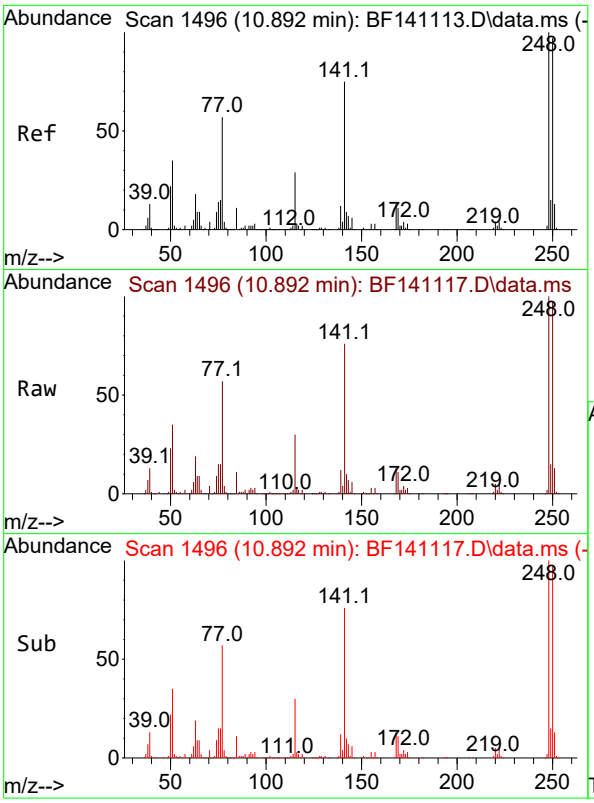


#66
n-Nitrosodiphenylamine
Concen: 46.748 ng
RT: 10.522 min Scan# 1433
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:169 Resp: 894530

Ion	Ratio	Lower	Upper
169	100		
168	67.0	52.5	78.7
167	36.4	28.9	43.3



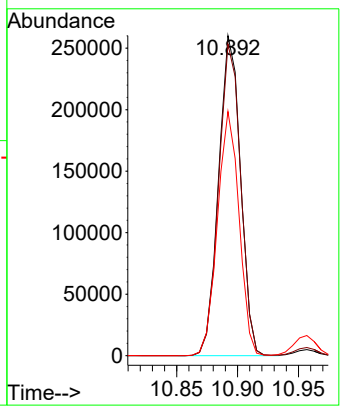


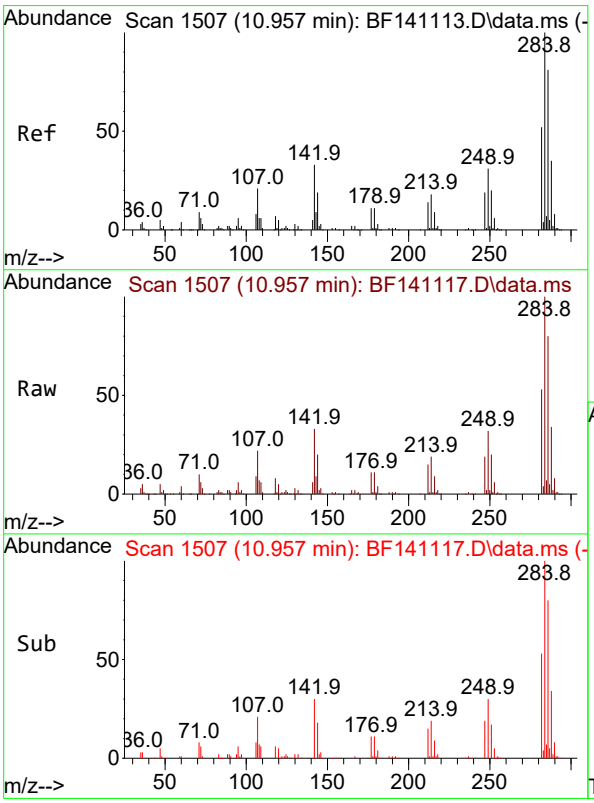
#67
4-Bromophenyl-phenylether
Concen: 47.810 ng
RT: 10.892 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:248 Resp: 326554

Ion	Ratio	Lower	Upper
248	100		
250	97.3	77.9	116.9
141	76.3	59.9	89.9

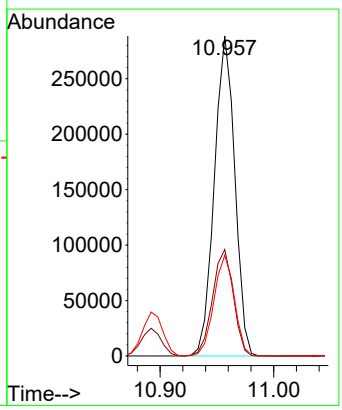


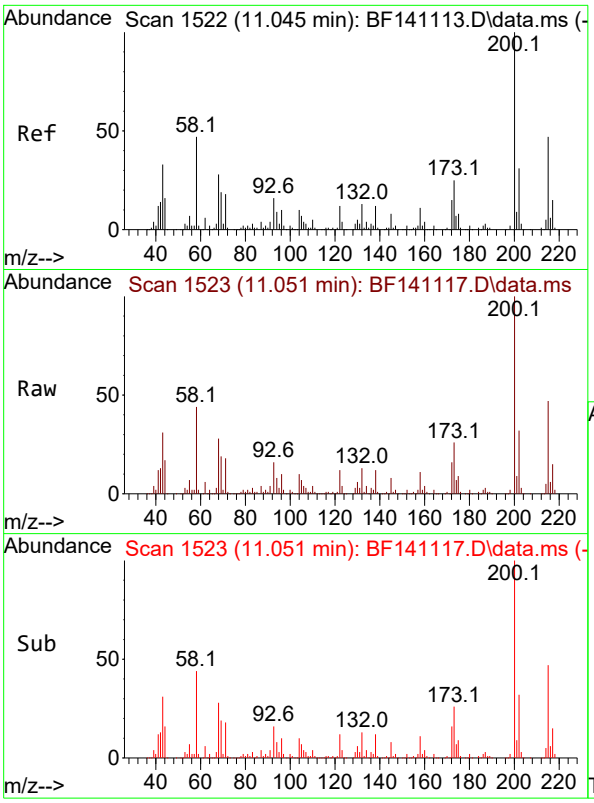


#68
Hexachlorobenzene
Concen: 47.551 ng
RT: 10.957 min Scan# 1507
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:284 Resp: 361542

Ion	Ratio	Lower	Upper
284	100		
142	33.2	26.3	39.5
249	31.5	24.9	37.3



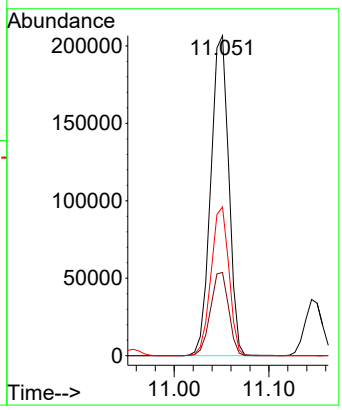


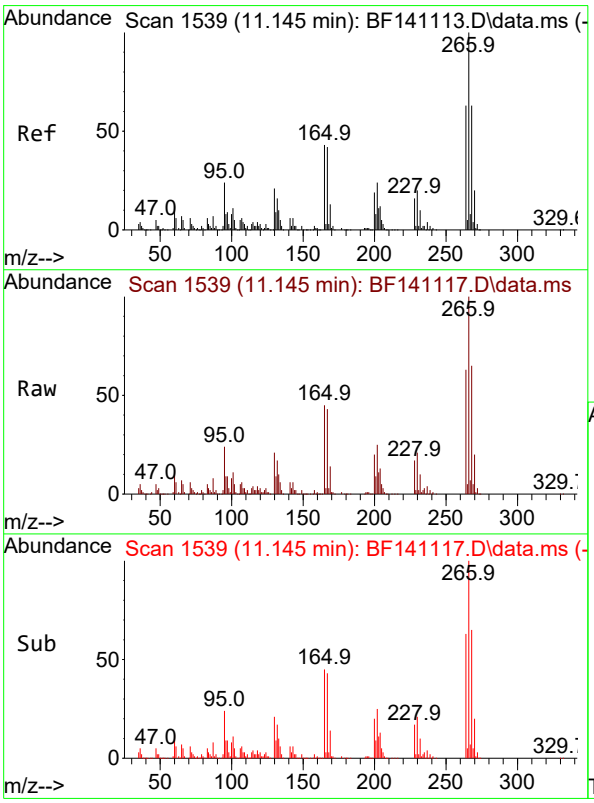
#69
Atrazine
Concen: 52.837 ng
RT: 11.051 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:200 Resp: 272232

Ion	Ratio	Lower	Upper
200	100		
173	26.0	5.4	45.4
215	46.5	26.6	66.6

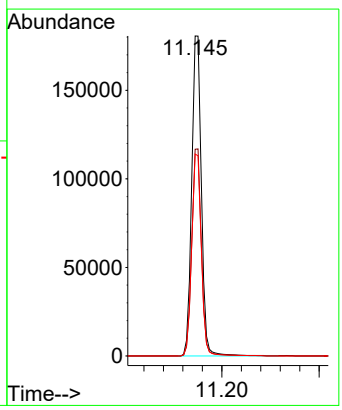


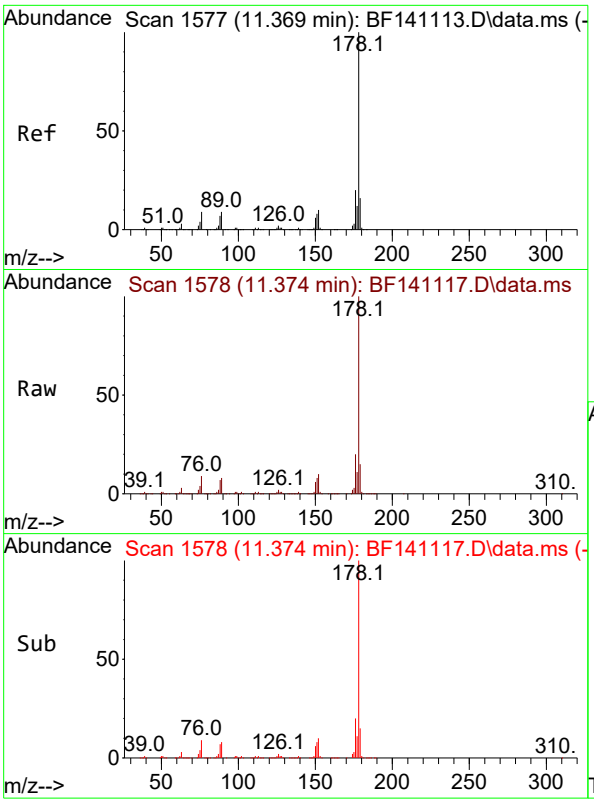


#70
Pentachlorophenol
Concen: 51.422 ng
RT: 11.145 min Scan# 1539
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:266 Resp: 250381

Ion	Ratio	Lower	Upper
266	100		
268	64.6	50.4	75.6
264	63.1	50.2	75.2



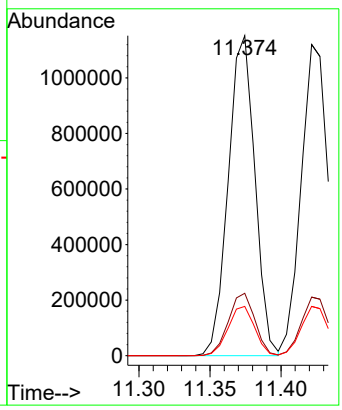


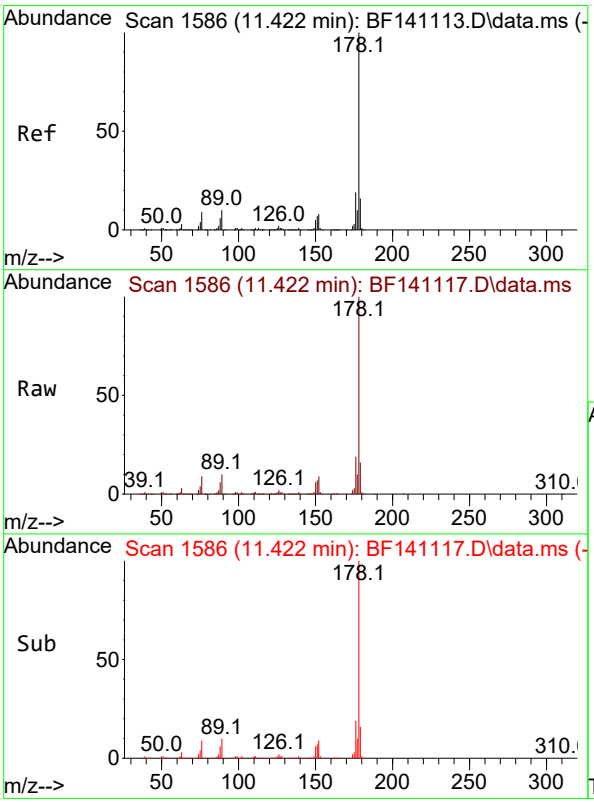
#71
Phenanthrene
Concen: 47.203 ng
RT: 11.374 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 1503408

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.7	23.5
179	15.4	12.6	19.0

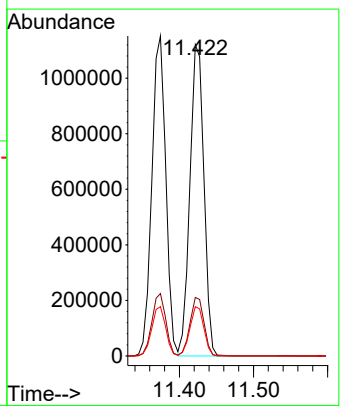


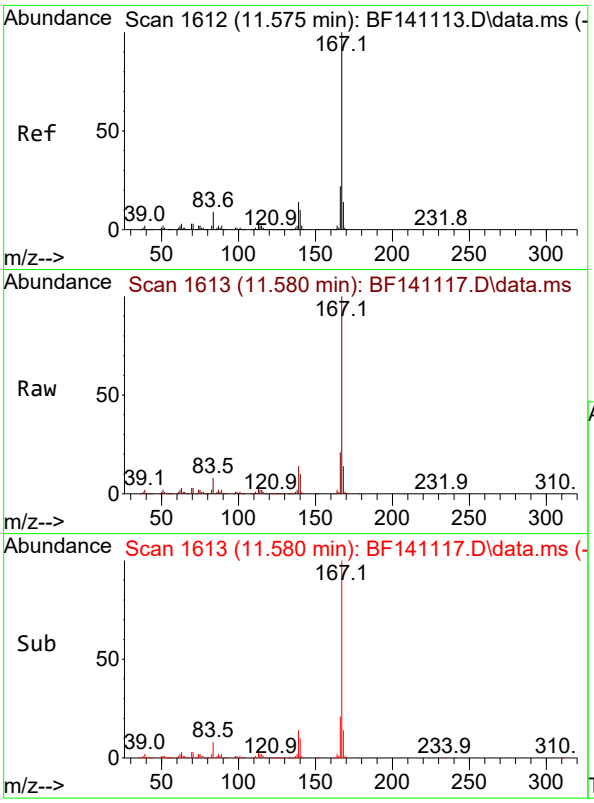


#72
Anthracene
Concen: 47.589 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:178 Resp: 1473797

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.9	22.3
179	15.9	12.6	19.0



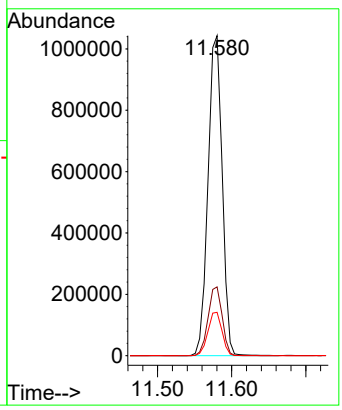


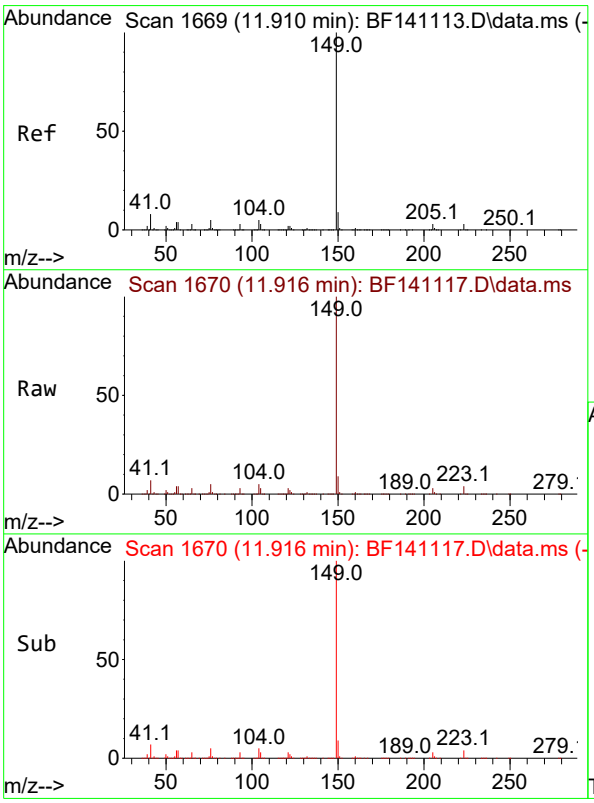
#73
Carbazole
Concen: 48.815 ng
RT: 11.580 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:167 Resp: 1386206

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.4	26.2
139	13.6	10.9	16.3

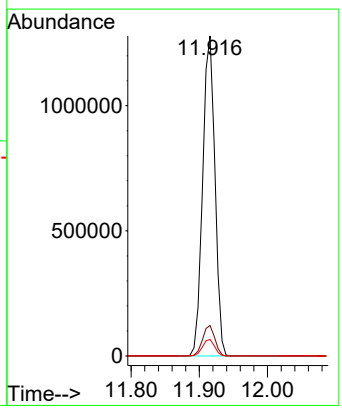


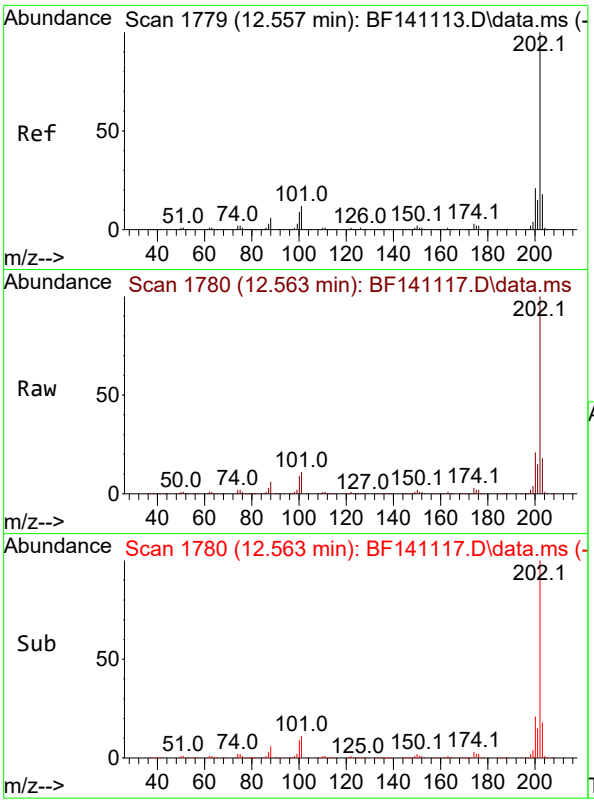


#74
Di-n-butylphthalate
Concen: 49.255 ng
RT: 11.916 min Scan# 1670
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:149 Resp: 1600680

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.4	11.2
104	5.2	4.2	6.2



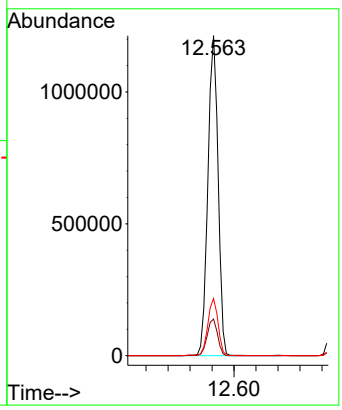


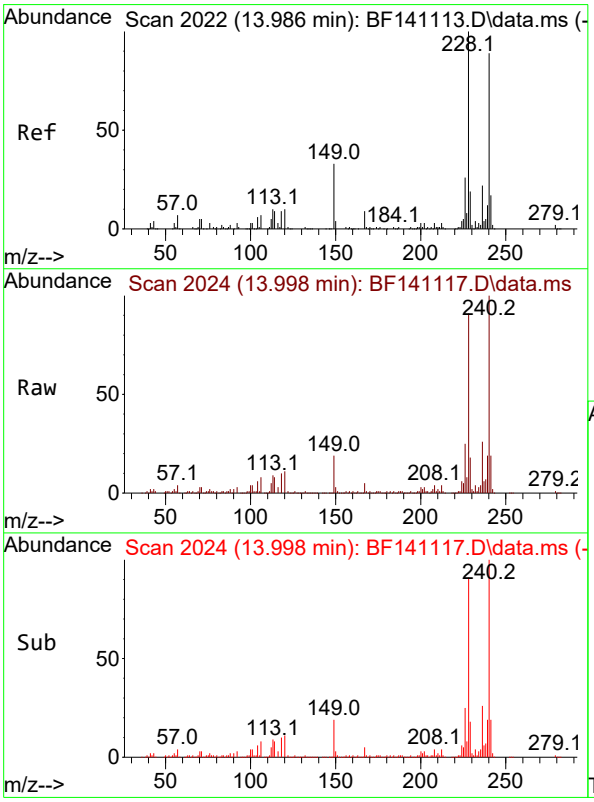
#75
Fluoranthene
Concen: 49.037 ng
RT: 12.563 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:202 Resp: 1558556

Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	32.3
203	17.9	0.0	37.7

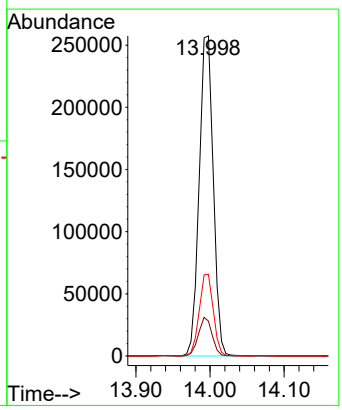


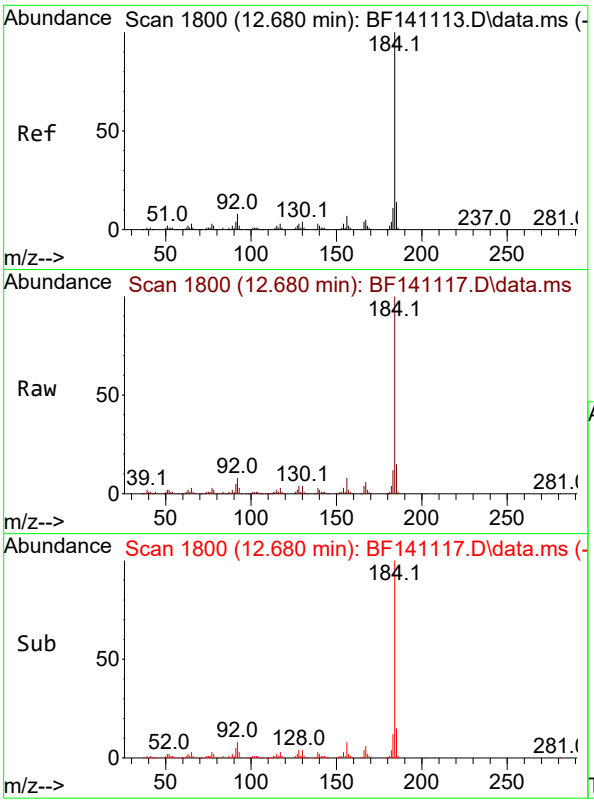


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.998 min Scan# 2024
Delta R.T. 0.012 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:240 Resp: 341879

Ion	Ratio	Lower	Upper
240	100		
120	10.9	9.1	13.7
236	25.5	19.8	29.6



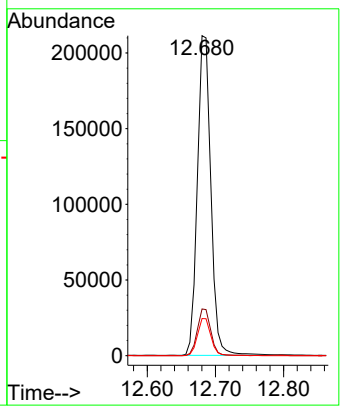


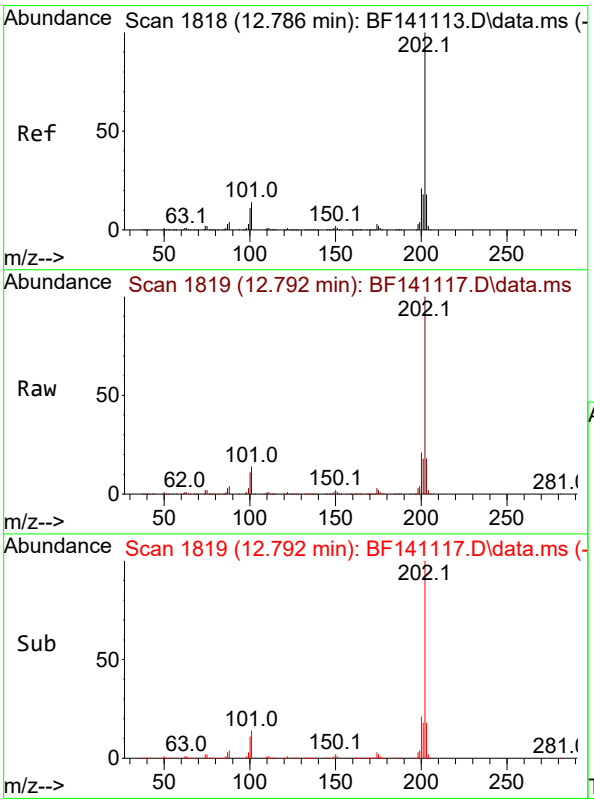
#77
Benzidine
Concen: 45.814 ng
RT: 12.680 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:184 Resp: 290459

Ion	Ratio	Lower	Upper
184	100		
185	14.6	11.4	17.0
183	11.6	9.2	13.8

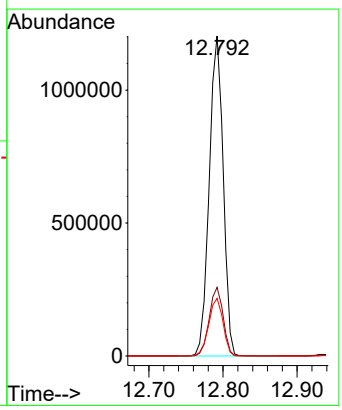


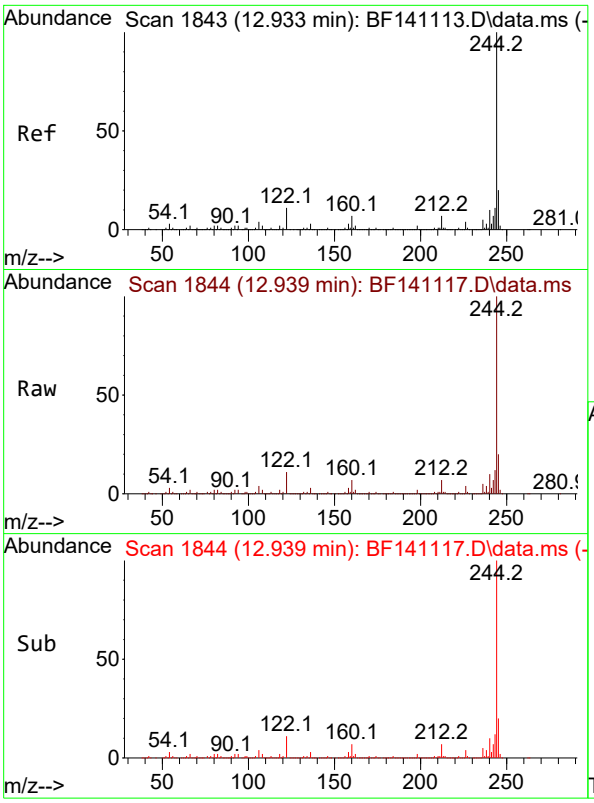


#78
Pyrene
Concen: 48.129 ng
RT: 12.792 min Scan# 1819
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:202 Resp: 1571607

Ion	Ratio	Lower	Upper
202	100		
200	21.4	16.8	25.2
203	18.0	14.3	21.5



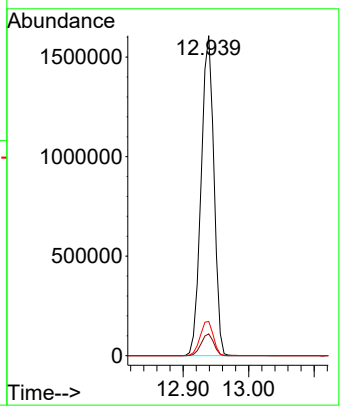


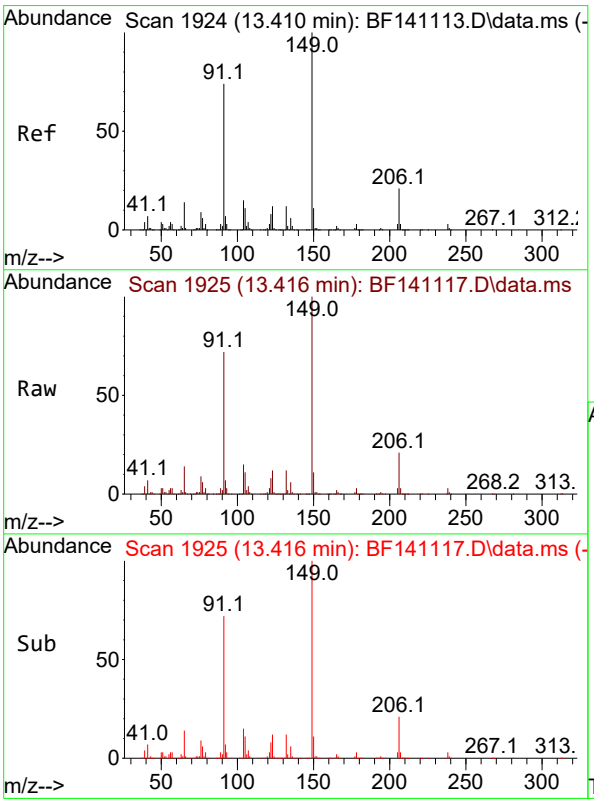
#79
Terphenyl-d14
Concen: 95.134 ng
RT: 12.939 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:244 Resp: 2188278

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.2
122	10.7	8.8	13.2

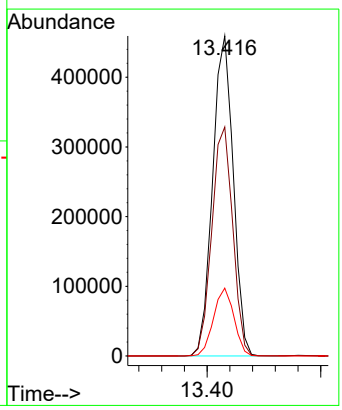


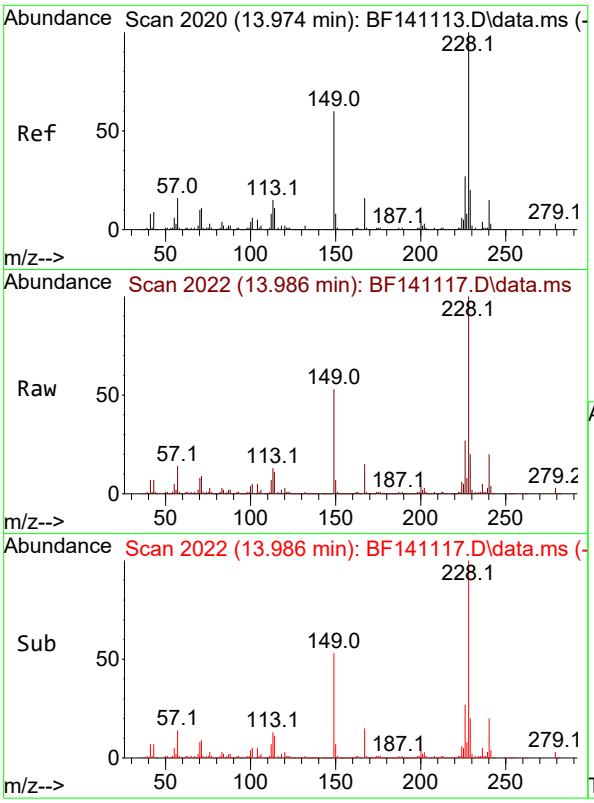


#80
Butylbenzylphthalate
Concen: 53.179 ng
RT: 13.416 min Scan# 1925
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:149 Resp: 578964

Ion	Ratio	Lower	Upper
149	100		
91	71.5	59.0	88.6
206	21.2	16.5	24.7



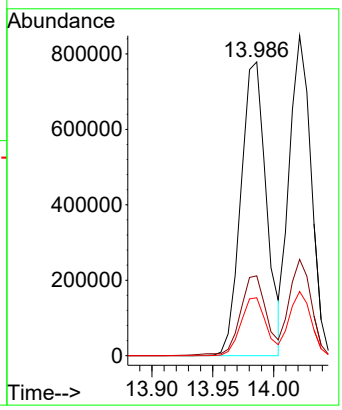


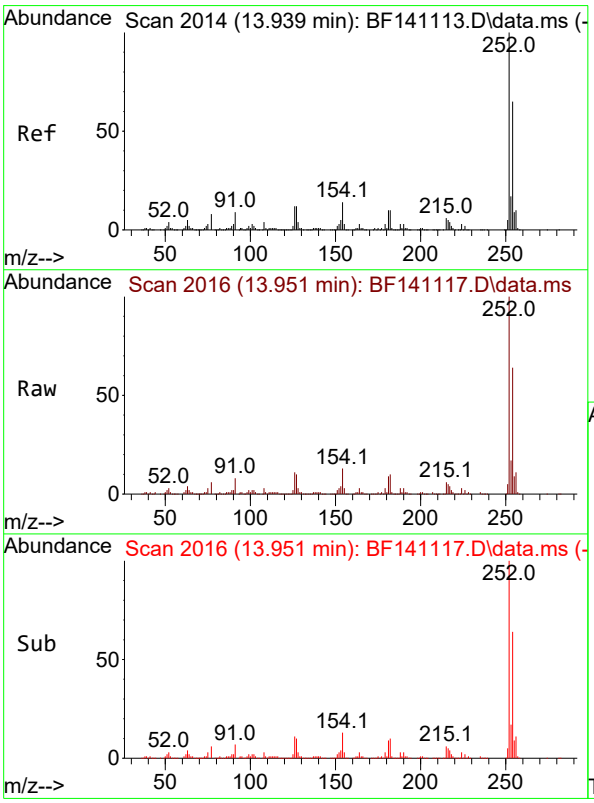
#81
Benzo(a)anthracene
Concen: 48.830 ng
RT: 13.986 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 1136119

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.7	32.5
229	19.7	15.7	23.5

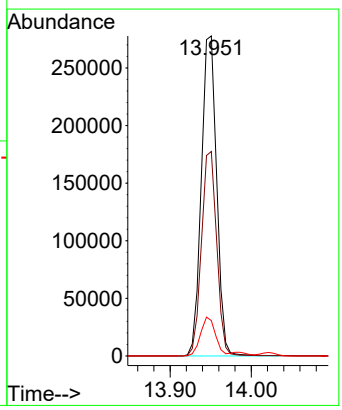


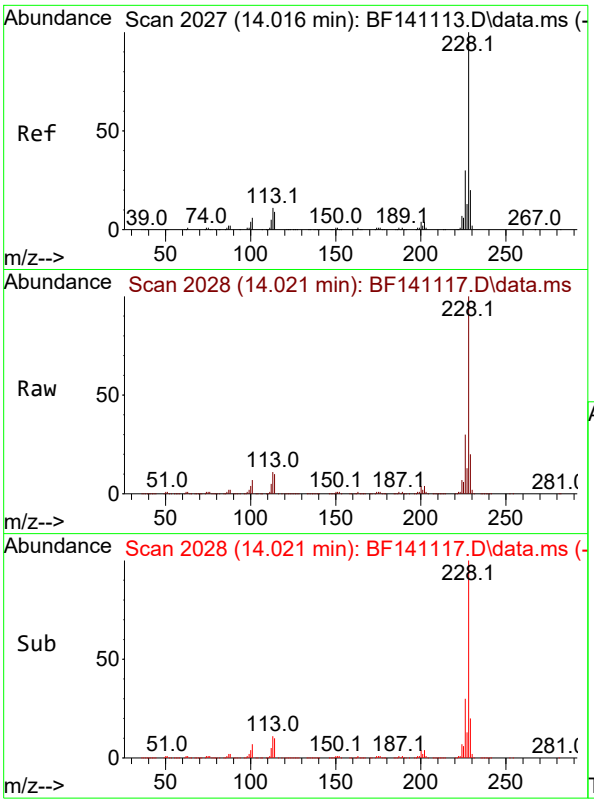


#82
3,3'-Dichlorobenzidine
Concen: 49.156 ng
RT: 13.951 min Scan# 2016
Delta R.T. 0.012 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:252 Resp: 364178

Ion	Ratio	Lower	Upper
252	100		
254	63.9	52.0	78.0
126	11.0	9.4	14.0



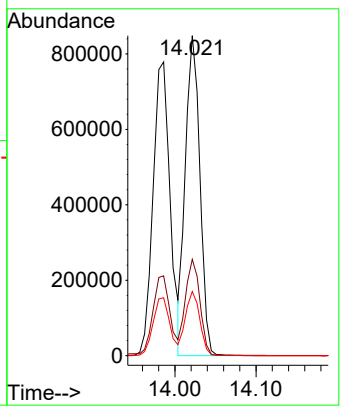


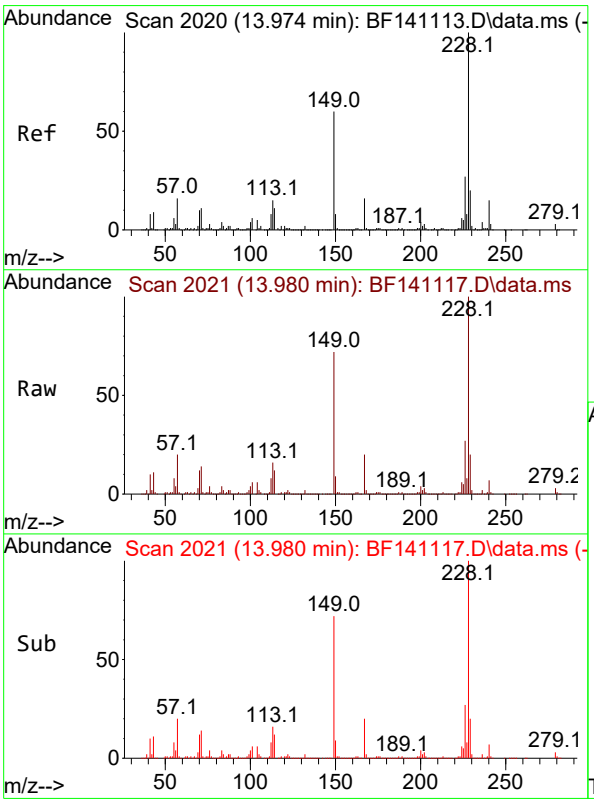
#83
Chrysene
Concen: 48.577 ng
RT: 14.021 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 1057551

Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.8	35.8
229	20.1	15.8	23.8

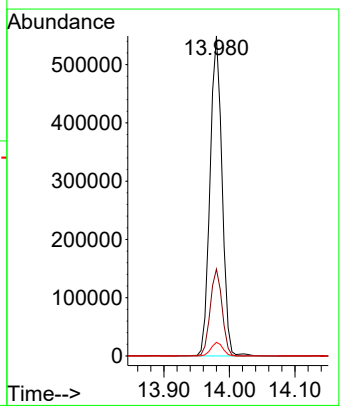


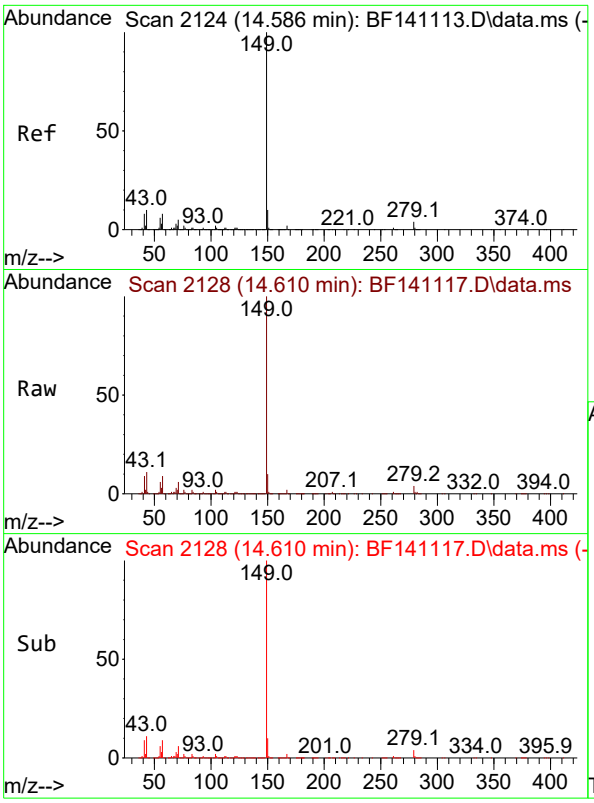


#84
Bis(2-ethylhexyl)phthalate
Concen: 53.591 ng
RT: 13.980 min Scan# 2021
Delta R.T. 0.006 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:149 Resp: 700052

Ion	Ratio	Lower	Upper
149	100		
167	27.2	21.4	32.2
279	4.2	3.4	5.2



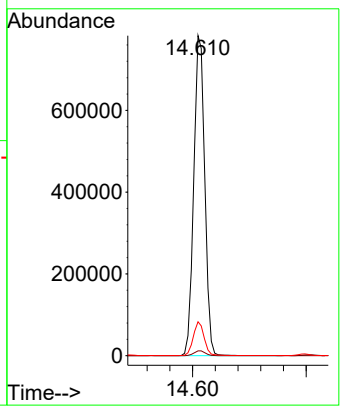


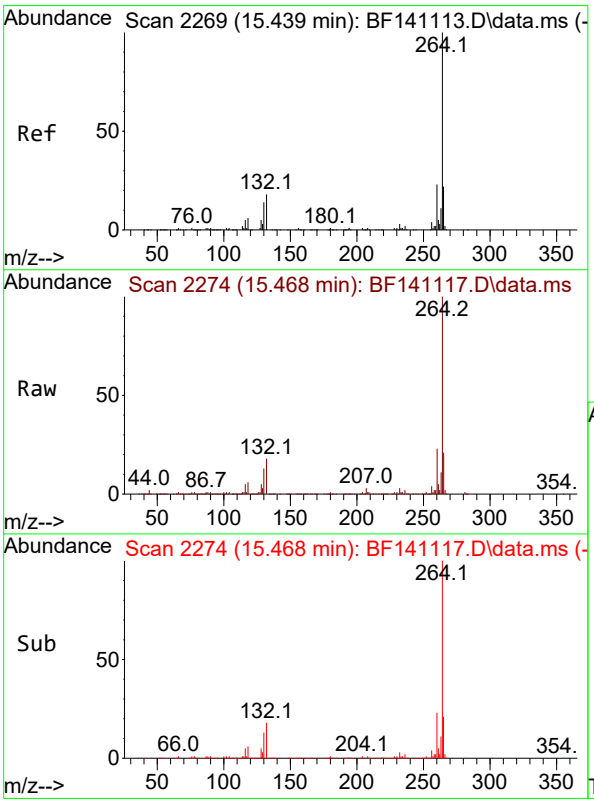
#85
Di-n-octyl phthalate
Concen: 53.503 ng
RT: 14.610 min Scan# 21
Delta R.T. 0.023 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:149 Resp: 1055383

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	10.4	8.4	12.6

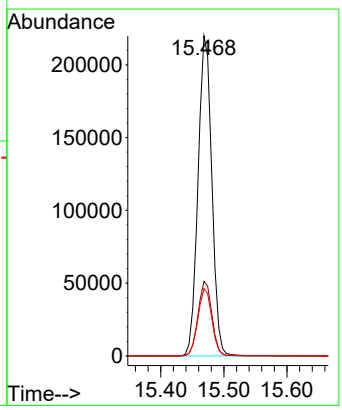


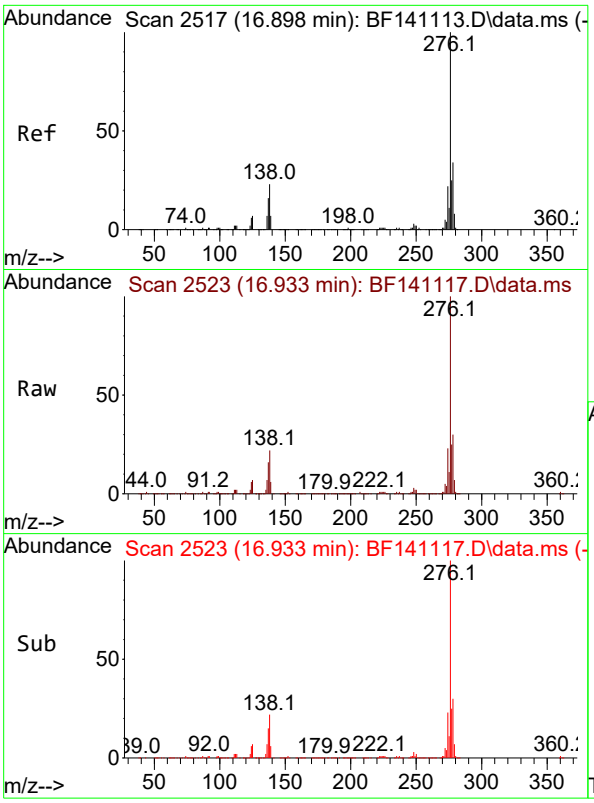


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.468 min Scan# 2274
Delta R.T. 0.029 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:264 Resp: 333662

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	21.0	17.4	26.0



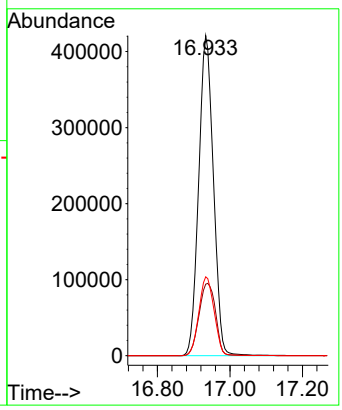


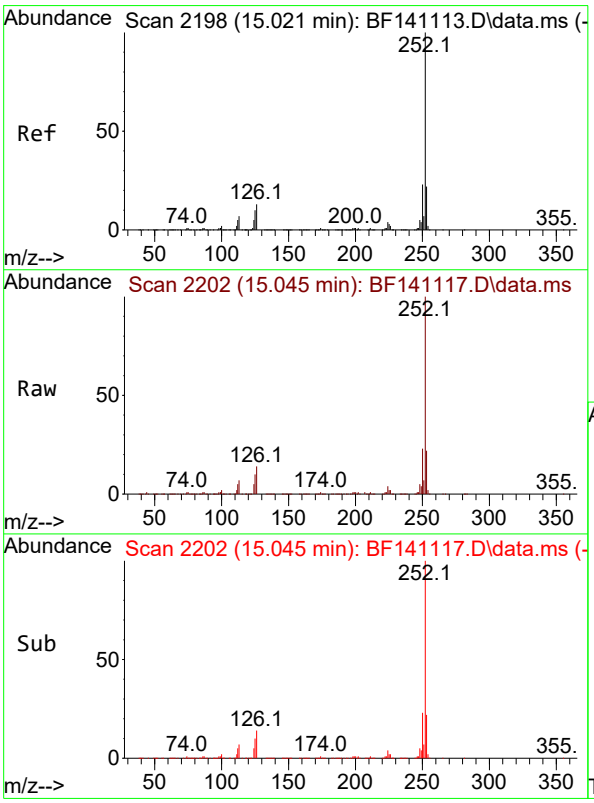
#87
Indeno(1,2,3-cd)pyrene
Concen: 48.477 ng
RT: 16.933 min Scan# 2
Delta R.T. 0.035 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:276 Resp: 1185030

Ion	Ratio	Lower	Upper
276	100		
138	25.5	20.7	31.1
277	25.6	20.6	30.8

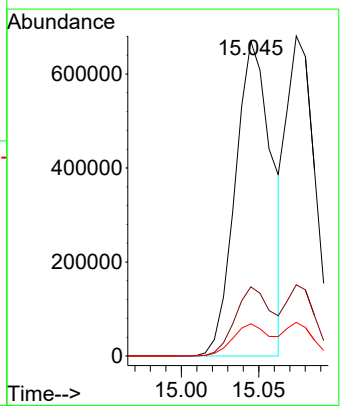


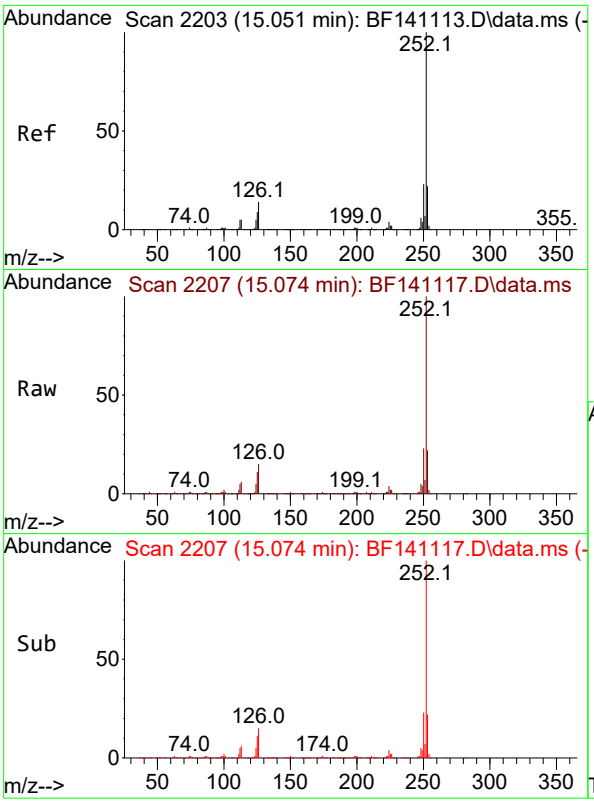


#88
Benzo(b)fluoranthene
Concen: 50.984 ng
RT: 15.045 min Scan# 2202
Delta R.T. 0.023 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:252 Resp: 1096957

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.6
125	10.2	8.1	12.1



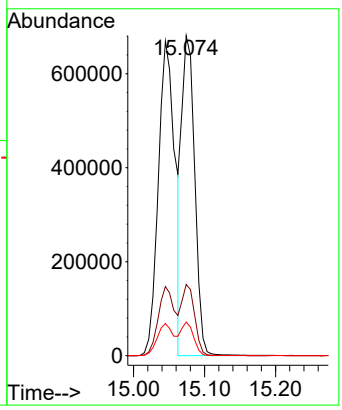


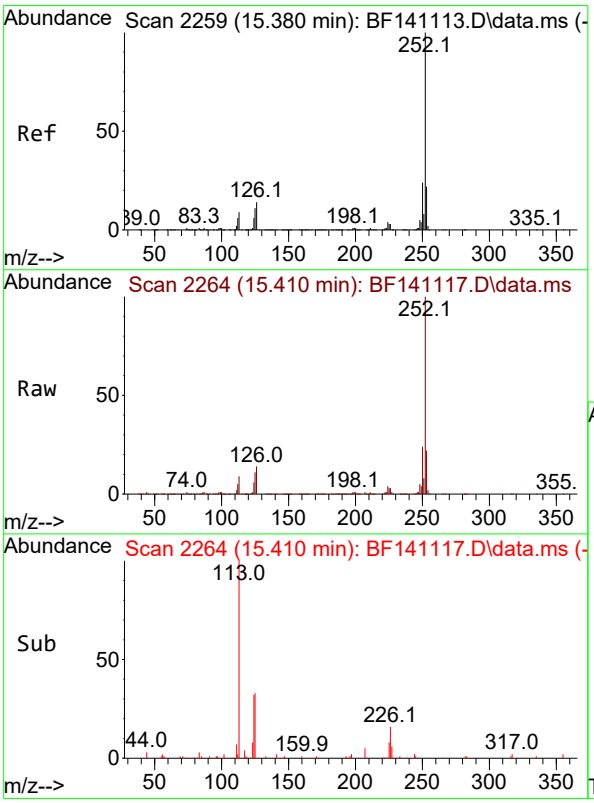
#89
Benzo(k)fluoranthene
Concen: 47.598 ng
RT: 15.074 min Scan# 2
Delta R.T. 0.023 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:252 Resp: 865456

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	10.5	7.9	11.9

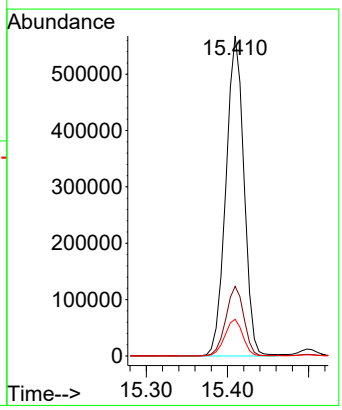


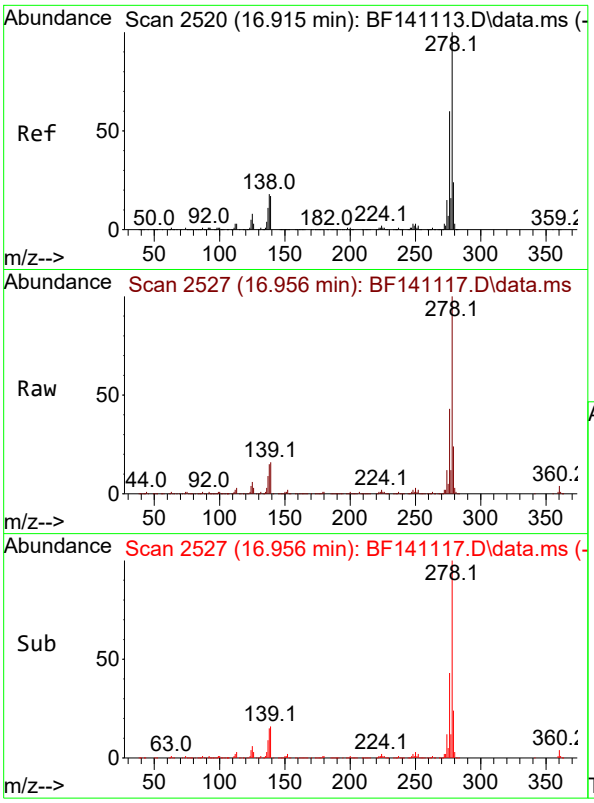


#90
Benzo(a)pyrene
Concen: 49.243 ng
RT: 15.410 min Scan# 2264
Delta R.T. 0.029 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:252 Resp: 874134

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	11.4	9.1	13.7



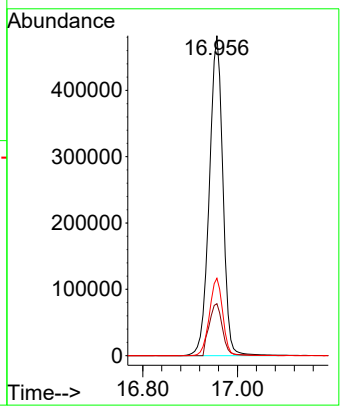


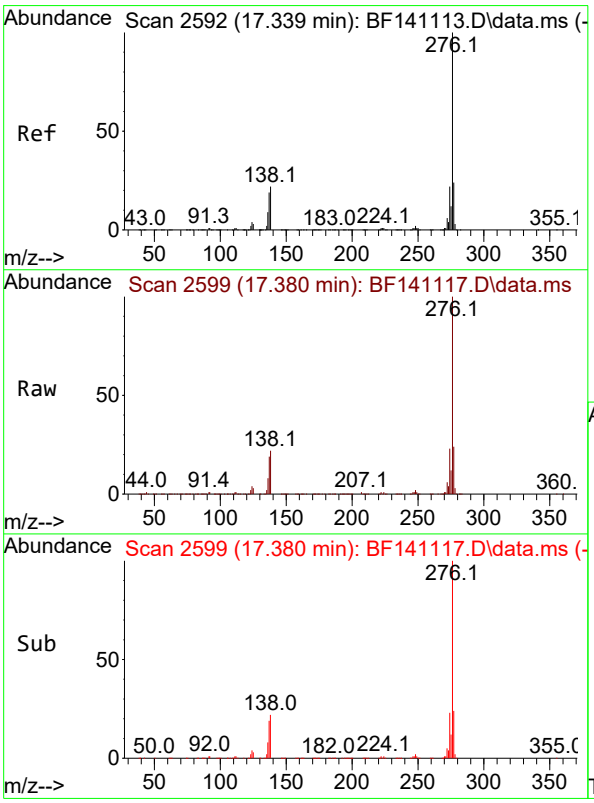
#91
Dibenzo(a,h)anthracene
Concen: 48.535 ng
RT: 16.956 min Scan# 2
Delta R.T. 0.041 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 959595

Ion	Ratio	Lower	Upper
278	100		
139	16.2	13.8	20.6
279	24.2	19.1	28.7

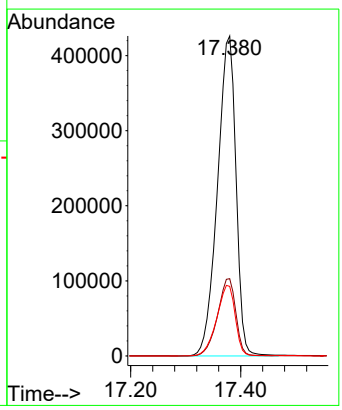




#92
Benzo(g,h,i)perylene
Concen: 48.464 ng
RT: 17.380 min Scan# 2599
Delta R.T. 0.041 min
Lab File: BF141117.D
Acq: 10 Jan 2025 16:53

Tgt Ion:276 Resp: 996659

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.0	28.4
138	21.7	17.4	26.2



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141119.D
Acq On : 10 Jan 2025 17:45
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Jan 10 22:24:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:16:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.822	152	172282	20.000	ng		0.00
21) Naphthalene-d8	8.104	136	648826	20.000	ng		0.00
39) Acenaphthene-d10	9.863	164	342460	20.000	ng		0.00
64) Phenanthrene-d10	11.345	188	584387	20.000	ng		0.00
76) Chrysene-d12	13.992	240	310879	20.000	ng		0.00
86) Perylene-d12	15.451	264	395988	20.000	ng		0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.428	112	1544552	138.495	ng		0.00
7) Phenol-d6	6.457	99	2004230	141.874	ng		0.01
23) Nitrobenzene-d5	7.392	82	1813409	148.154	ng		0.00
42) 2,4,6-Tribromophenol	10.651	330	601438	154.132	ng		0.00
45) 2-Fluorobiphenyl	9.186	172	2997639	133.666	ng		0.00
79) Terphenyl-d14	12.933	244	2895506	138.433	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.540	88	361586	72.808	ng		100
3) Pyridine	3.287	79	855609	70.255	ng		99
4) n-Nitrosodimethylamine	3.252	42	443709	74.512	ng		99
6) Aniline	6.487	93	497802	39.689	ng	#	80
8) 2-Chlorophenol	6.610	128	844417	70.573	ng		99
9) Benzaldehyde	6.375	77	446857	56.624	ng		98
10) Phenol	6.469	94	1067075	70.563	ng		93
11) bis(2-Chloroethyl)ether	6.563	93	811905	72.042	ng		98
12) 1,3-Dichlorobenzene	6.763	146	945224	70.831	ng		99
13) 1,4-Dichlorobenzene	6.840	146	944179	70.211	ng		99
14) 1,2-Dichlorobenzene	6.998	146	854029	68.083	ng		98
15) Benzyl Alcohol	6.969	79	722113	70.781	ng		100
16) 2,2'-oxybis(1-Chloropr...	7.098	45	1129914	71.848	ng		98
17) 2-Methylphenol	7.075	107	707657	73.257	ng		99
18) Hexachloroethane	7.334	117	349146	71.795	ng		98
19) n-Nitroso-di-n-propyla...	7.245	70	588783	70.753	ng		98
20) 3+4-Methylphenols	7.234	107	813265	66.732	ng	#	83
22) Acetophenone	7.239	105	1083059	70.218	ng	#	98
24) Nitrobenzene	7.410	77	943483	73.960	ng		99
25) Isophorone	7.651	82	1571424	75.124	ng		99
26) 2-Nitrophenol	7.722	139	463267	79.834	ng		98
27) 2,4-Dimethylphenol	7.757	122	594544	75.959	ng		98
28) bis(2-Chloroethoxy)met...	7.857	93	977334	74.449	ng		100
29) 2,4-Dichlorophenol	7.963	162	689420	74.162	ng		100
30) 1,2,4-Trichlorobenzene	8.045	180	776721	73.098	ng		100
31) Naphthalene	8.128	128	2411578	70.480	ng		99
32) Benzoic acid	7.898	122	648810	86.411	ng		98
33) 4-Chloroaniline	8.187	127	860135	72.688	ng		100
34) Hexachlorobutadiene	8.245	225	467194	72.969	ng		99
35) Caprolactam	8.569	113	236127	77.436	ng		98
36) 4-Chloro-3-methylphenol	8.657	107	760692	74.822	ng		99
37) 2-Methylnaphthalene	8.816	142	1544153	70.820	ng		99
38) 1-Methylnaphthalene	8.916	142	1507881	70.172	ng		99
40) 1,2,4,5-Tetrachloroben...	8.986	216	712407	72.478	ng		100
41) Hexachlorocyclopentadiene	8.969	237	249944	77.724	ng		100
43) 2,4,6-Trichlorophenol	9.092	196	516551	77.920	ng		98

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141119.D
Acq On : 10 Jan 2025 17:45
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Jan 10 22:24:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:16:11 2025
Response via : Initial Calibration

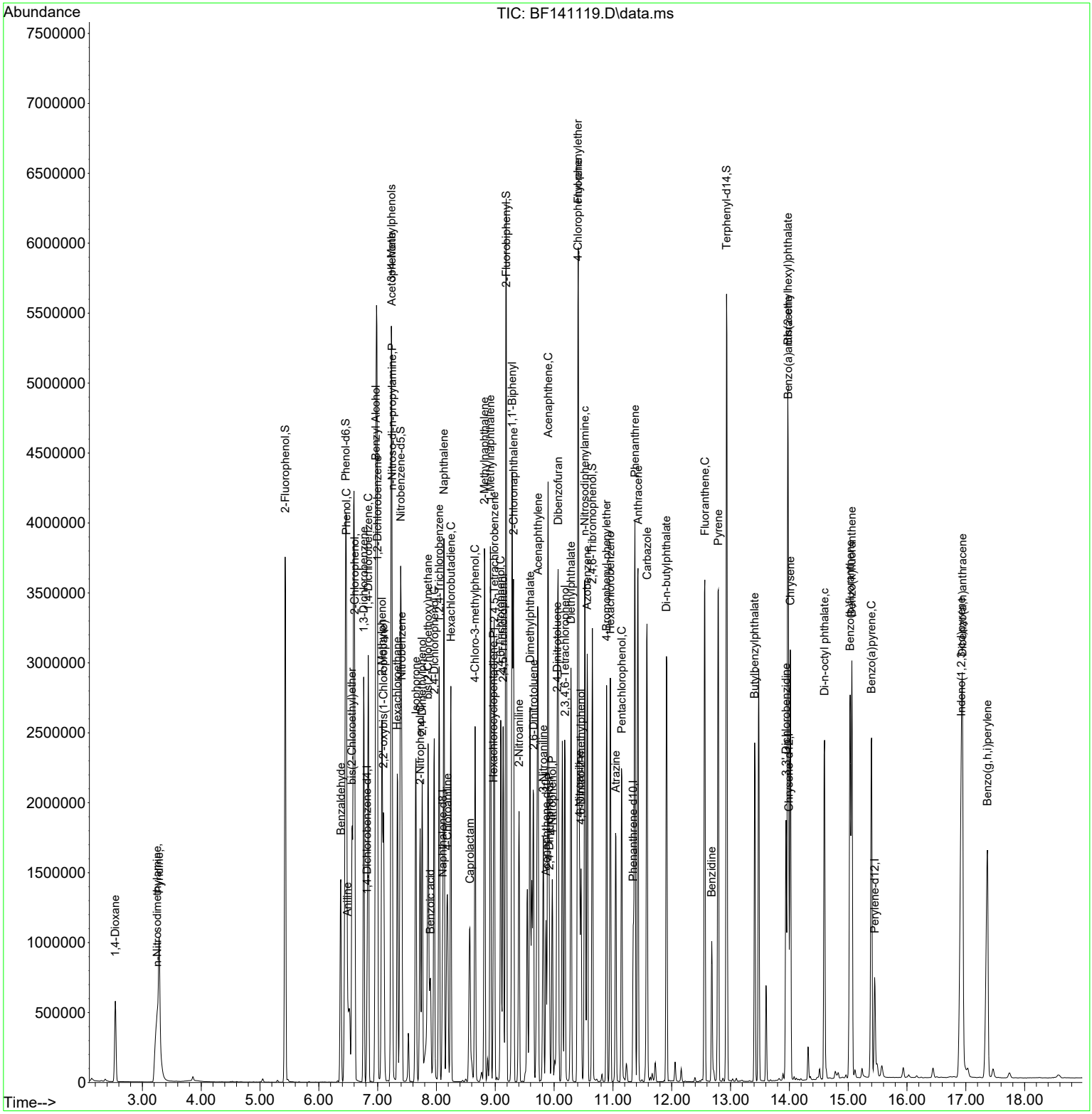
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.133	196	516966	73.839	ng	99
46) 1,1'-Biphenyl	9.286	154	1854615	69.734	ng	99
47) 2-Chloronaphthalene	9.310	162	1478014	71.352	ng	99
48) 2-Nitroaniline	9.404	65	475269	77.400	ng	98
49) Acenaphthylene	9.728	152	2110029	71.297	ng	99
50) Dimethylphthalate	9.592	163	1688321	73.435	ng	100
51) 2,6-Dinitrotoluene	9.651	165	403325	75.439	ng	98
52) Acenaphthene	9.898	154	1487806	71.956	ng	99
53) 3-Nitroaniline	9.816	138	404031	74.366	ng	100
54) 2,4-Dinitrophenol	9.922	184	233623	91.933	ng	96
55) Dibenzofuran	10.069	168	1972541	70.137	ng	99
56) 4-Nitrophenol	9.969	139	339082	79.690	ng	98
57) 2,4-Dinitrotoluene	10.051	165	533647	77.452	ng	98
58) Fluorene	10.410	166	1493903	68.372	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.186	232	428499	73.631	ng	99
60) Diethylphthalate	10.286	149	1624226	72.366	ng	99
61) 4-Chlorophenyl-phenyle...	10.404	204	739051	69.400	ng	98
62) 4-Nitroaniline	10.433	138	404093	75.992	ng	97
63) Azobenzene	10.563	77	1597886	72.150	ng	99
65) 4,6-Dinitro-2-methylph...	10.457	198	299726	88.510	ng	98
66) n-Nitrosodiphenylamine	10.522	169	1340718	71.129	ng	99
67) 4-Bromophenyl-phenylether	10.892	248	502690	74.715	ng	100
68) Hexachlorobenzene	10.957	284	557705	74.464	ng	100
69) Atrazine	11.051	200	322778	63.598	ng	100
70) Pentachlorophenol	11.151	266	373762	77.927	ng	99
71) Phenanthrene	11.375	178	2186474	69.691	ng	100
72) Anthracene	11.427	178	2122167	69.565	ng	99
73) Carbazole	11.580	167	1946776	69.597	ng	99
74) Di-n-butylphthalate	11.910	149	2240405	69.986	ng	99
75) Fluoranthene	12.563	202	2156966	68.895	ng	99
77) Benzidine	12.680	184	535121	92.821	ng	99
78) Pyrene	12.792	202	2138910	72.034	ng	99
80) Butylbenzylphthalate	13.410	149	775127	78.297	ng	99
81) Benzo(a)anthracene	13.980	228	1574387	74.414	ng	99
82) 3,3'-Dichlorobenzidine	13.945	252	557682	82.781	ng	100
83) Chrysene	14.016	228	1492065	75.370	ng	99
84) Bis(2-ethylhexyl)phtha...	13.974	149	885991	74.589	ng	99
85) Di-n-octyl phthalate	14.598	149	1604851	89.471	ng	100
87) Indeno(1,2,3-cd)pyrene	16.921	276	2176761	75.032	ng	100
88) Benzo(b)fluoranthene	15.033	252	1830448	71.685	ng	100
89) Benzo(k)fluoranthene	15.063	252	1701343	78.843	ng	99
90) Benzo(a)pyrene	15.398	252	1594959	75.707	ng	100
91) Dibenzo(a,h)anthracene	16.945	278	1723136	73.436	ng	99
92) Benzo(g,h,i)perylene	17.368	276	1664293	68.190	ng	99

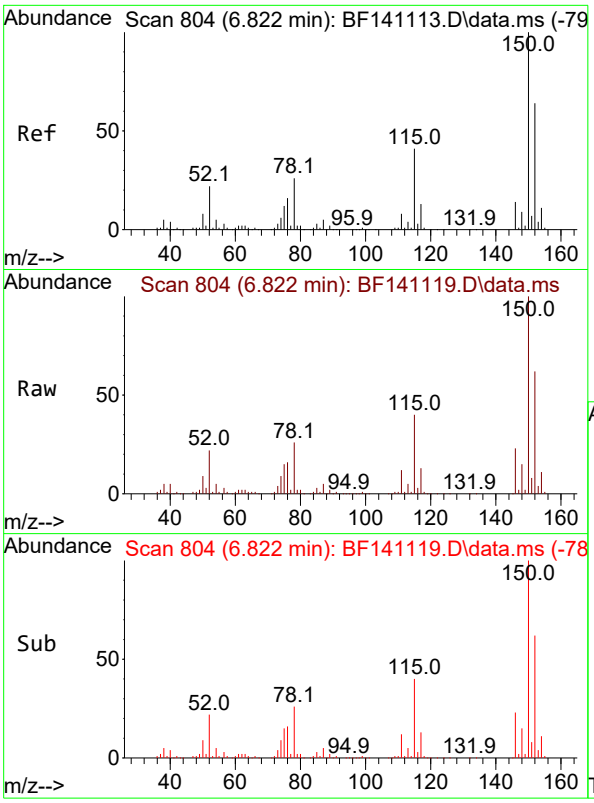
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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011025\
Data File : BF141119.D
Acq On : 10 Jan 2025 17:45
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: Jan 10 22:24:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:16:11 2025
Response via : Initial Calibration



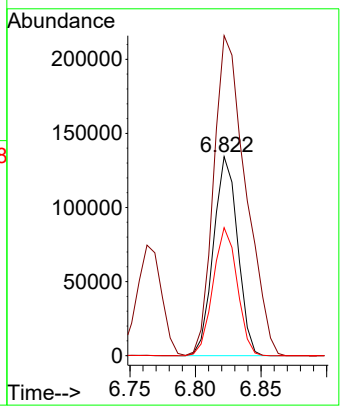


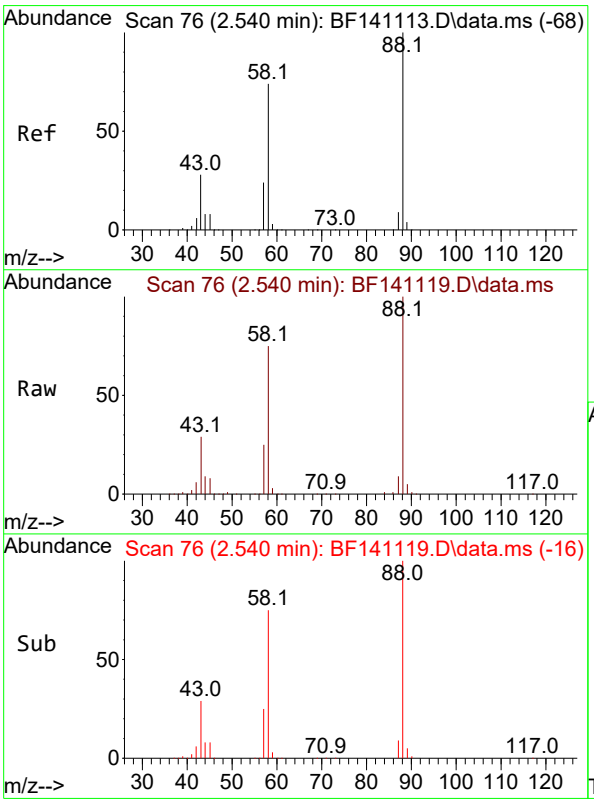
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 172282

Ion	Ratio	Lower	Upper
152	100		
150	160.7	125.8	188.8
115	64.3	51.4	77.2

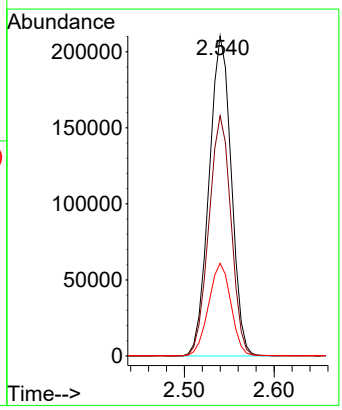


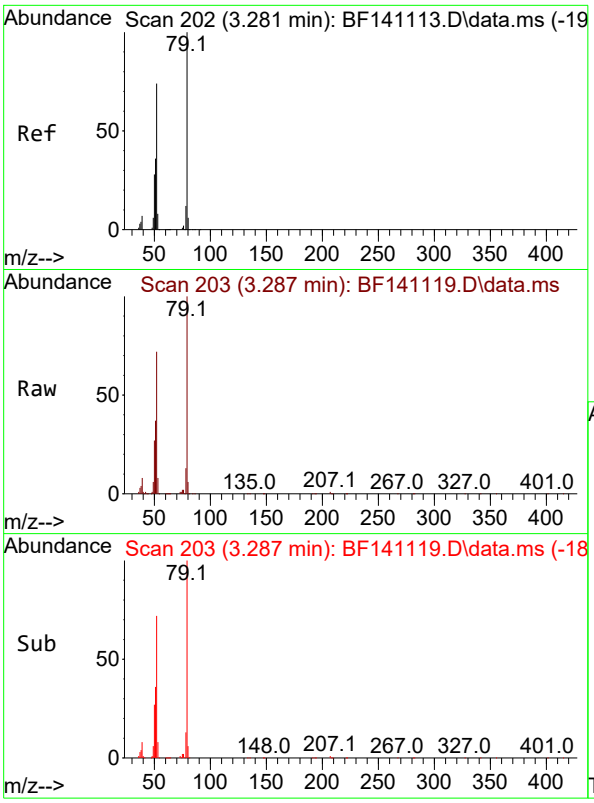


#2
1,4-Dioxane
Concen: 72.808 ng
RT: 2.540 min Scan# 76
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion: 88 Resp: 361586

Ion	Ratio	Lower	Upper
88	100		
58	74.8	60.1	90.1
43	29.1	23.1	34.7



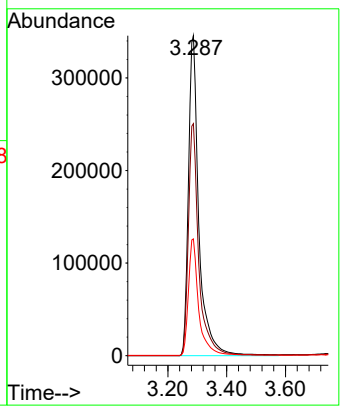


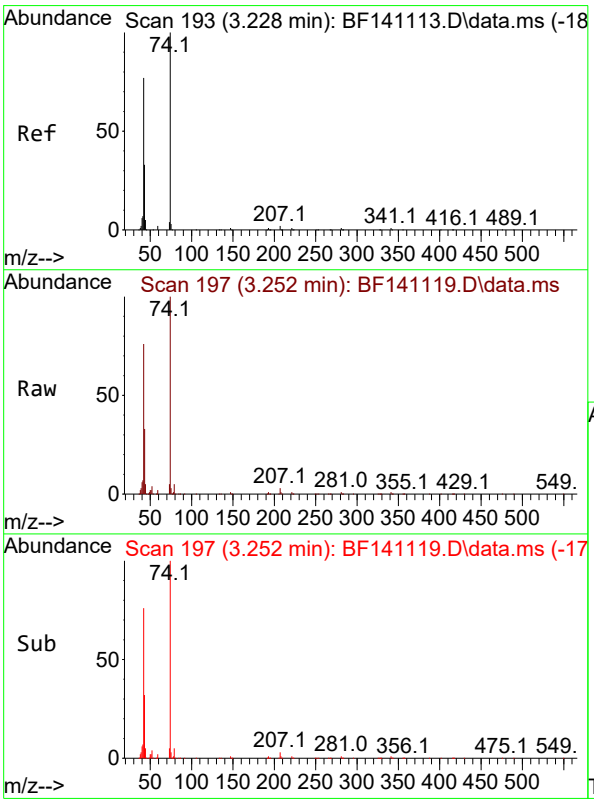
#3
Pyridine
Concen: 70.255 ng
RT: 3.287 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 855609

Ion	Ratio	Lower	Upper
79	100		
52	72.5	58.9	88.3
51	36.5	29.1	43.7

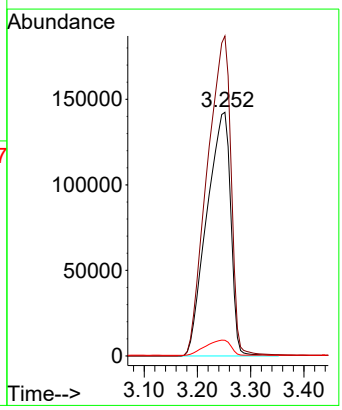


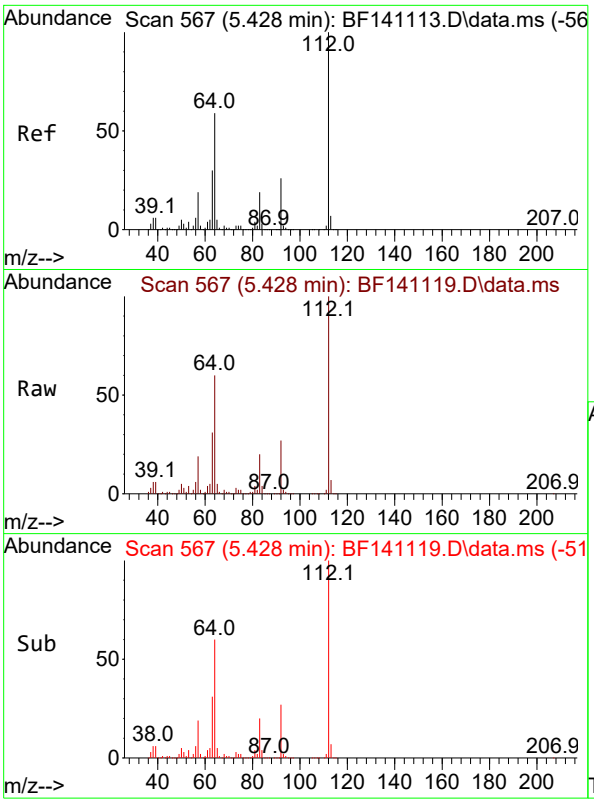


#4
n-Nitrosodimethylamine
Concen: 74.512 ng
RT: 3.252 min Scan# 197
Delta R.T. 0.024 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion: 42 Resp: 443709

Ion	Ratio	Lower	Upper
42	100		
74	131.3	103.8	155.6
44	6.4	5.3	7.9



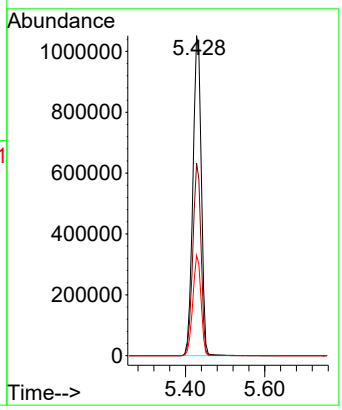


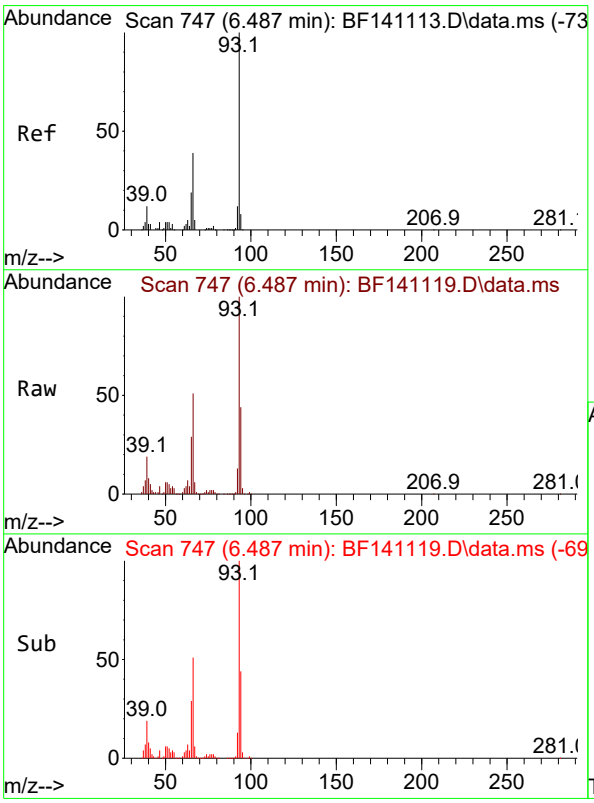
#5
2-Fluorophenol
Concen: 138.495 ng
RT: 5.428 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:112 Resp: 1544552

Ion	Ratio	Lower	Upper
112	100		
64	60.2	47.3	70.9
63	31.3	24.2	36.2

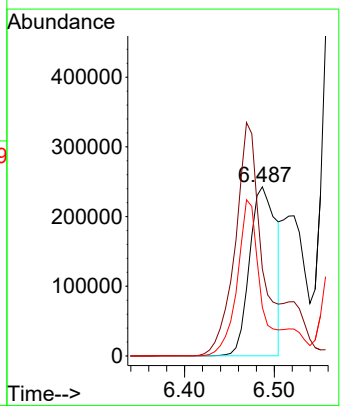


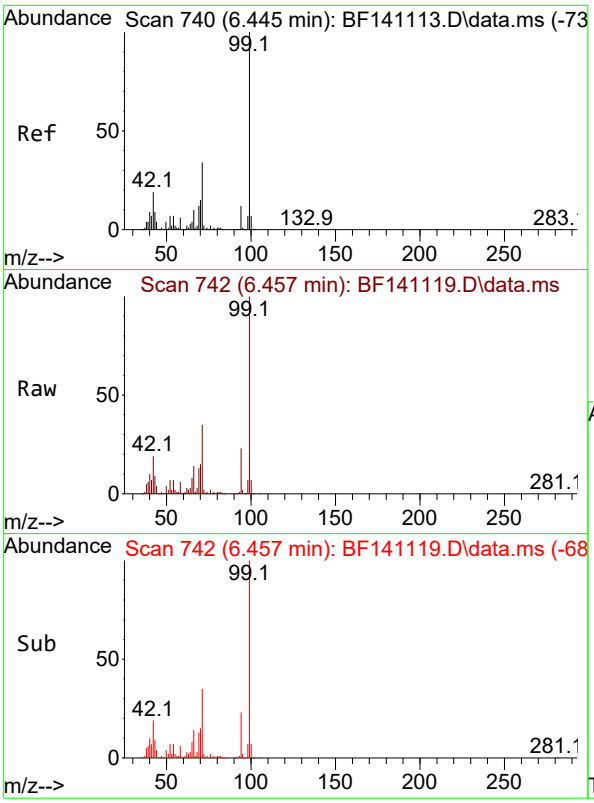


#6
Aniline
Concen: 39.689 ng
RT: 6.487 min Scan# 747
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion: 93 Resp: 497802

Ion	Ratio	Lower	Upper
93	100		
66	51.4	31.5	47.3#
65	28.7	15.3	22.9#



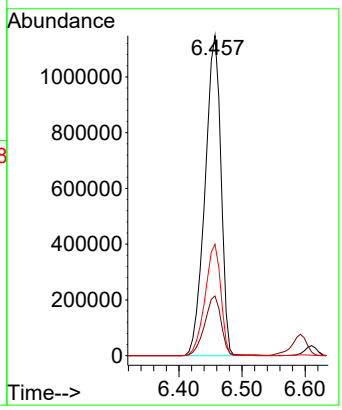


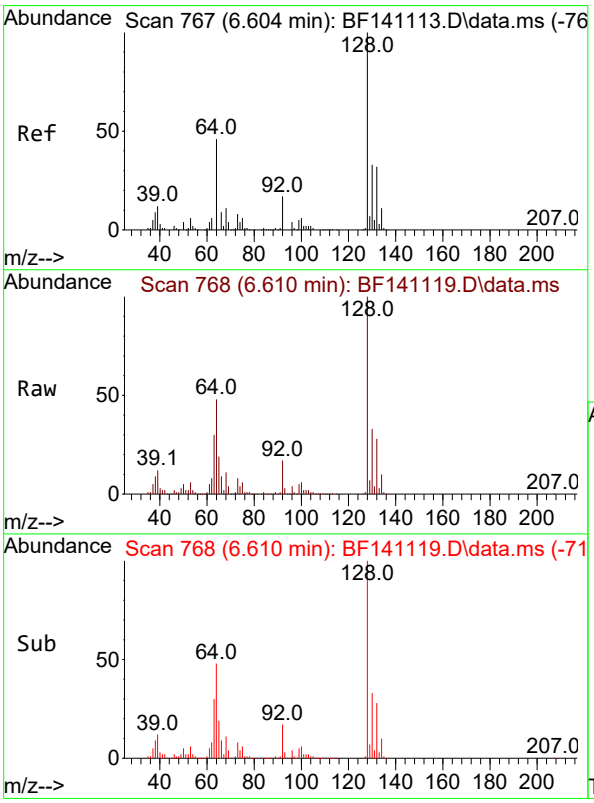
#7
Phenol-d6
Concen: 141.874 ng
RT: 6.457 min Scan# 7
Delta R.T. 0.012 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 99 Resp: 2004230

Ion	Ratio	Lower	Upper
99	100		
42	18.7	15.0	22.4
71	34.8	27.6	41.4

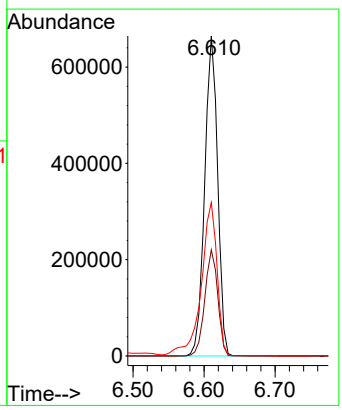


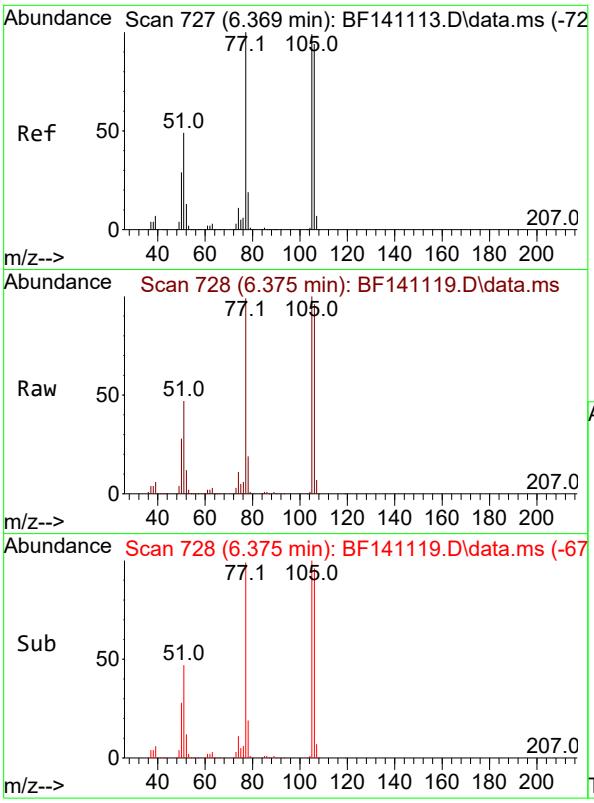


#8
2-Chlorophenol
Concen: 70.573 ng
RT: 6.610 min Scan# 768
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:128 Resp: 844417

Ion	Ratio	Lower	Upper
128	100		
130	33.2	12.5	52.5
64	48.0	28.3	68.3



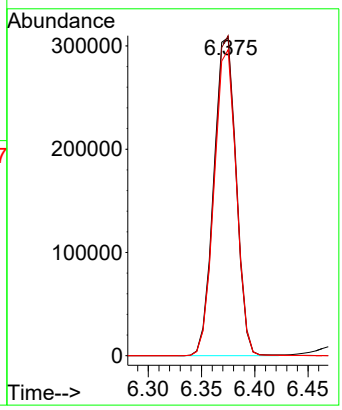


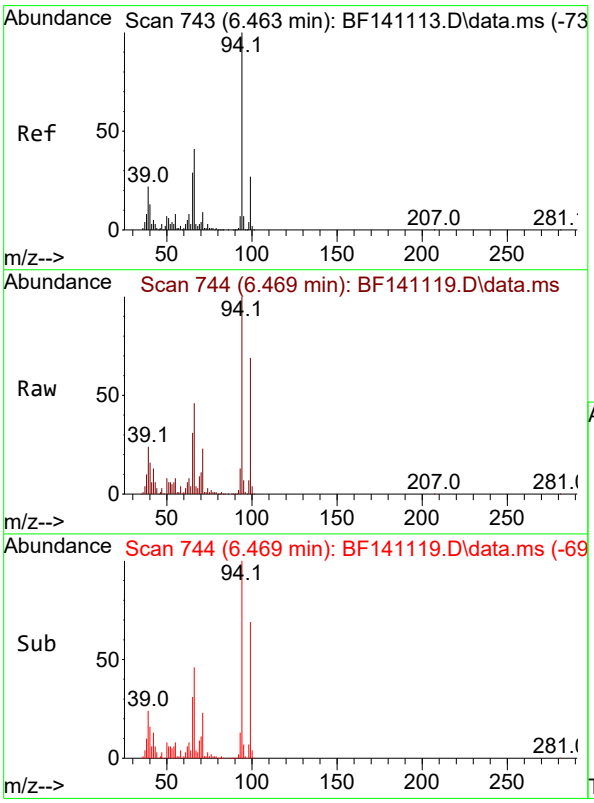
#9
Benzaldehyde
Concen: 56.624 ng
RT: 6.375 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 446857

Ion	Ratio	Lower	Upper
77	100		
105	100.6	78.9	118.9
106	96.2	73.6	113.6

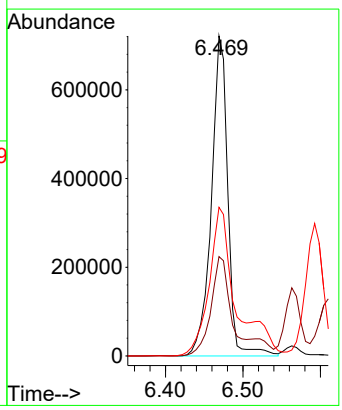


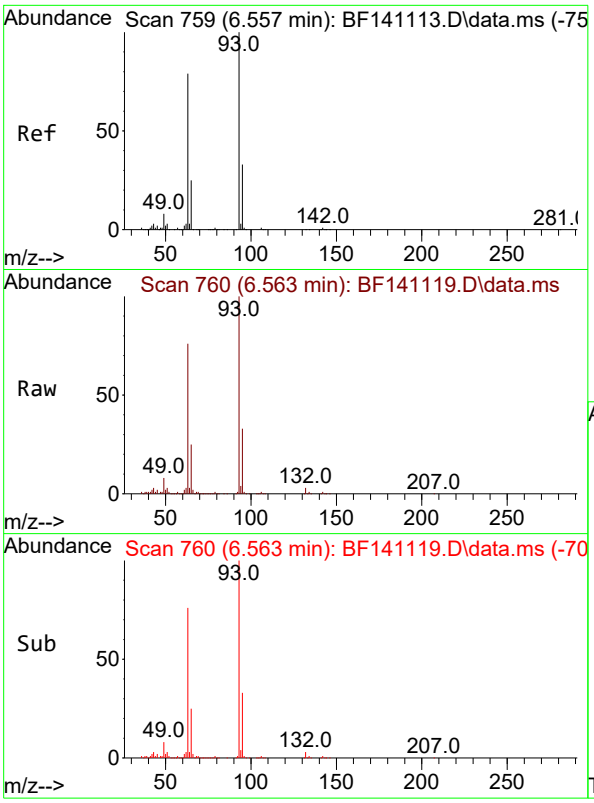


#10
Phenol
Concen: 70.563 ng
RT: 6.469 min Scan# 744
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion: 94 Resp: 1067075

Ion	Ratio	Lower	Upper
94	100		
65	31.1	8.9	48.9
66	46.4	21.2	61.2



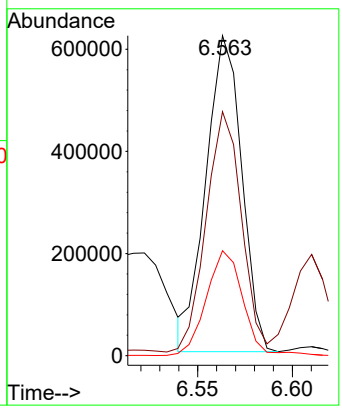


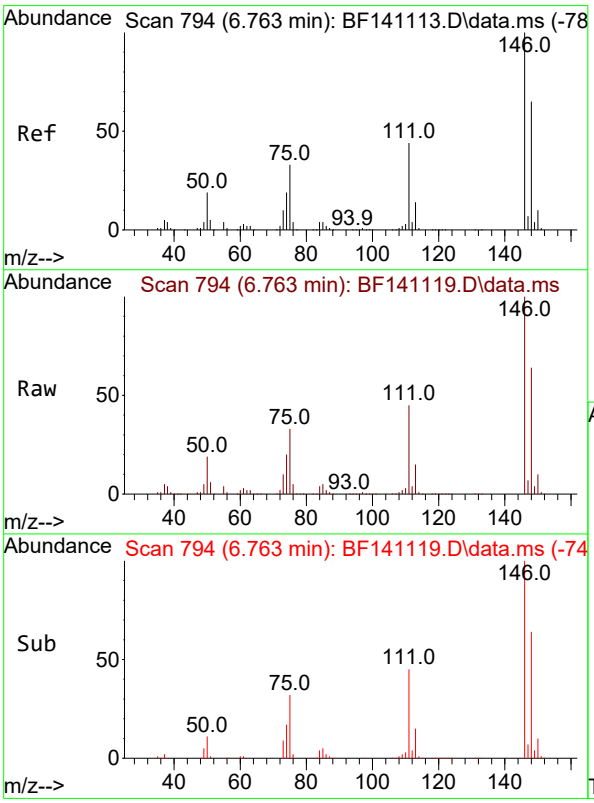
#11
bis(2-Chloroethyl)ether
Concen: 72.042 ng
RT: 6.563 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 93 Resp: 811905

Ion	Ratio	Lower	Upper
93	100		
63	76.2	58.0	98.0
95	32.8	12.5	52.5

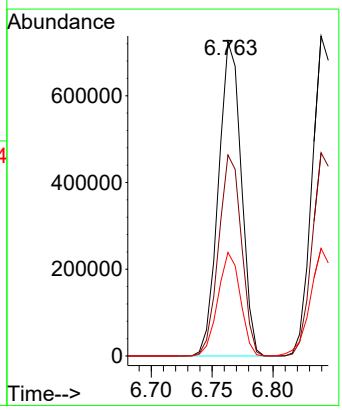


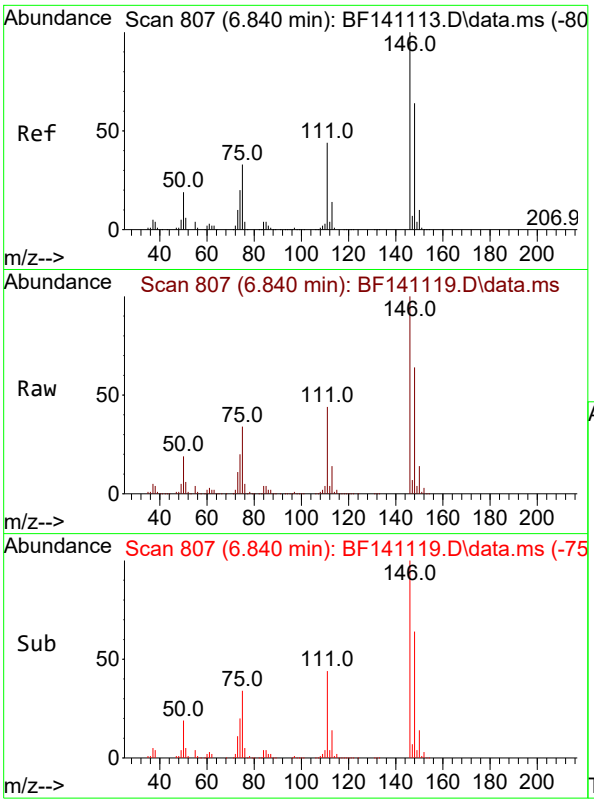


#12
1,3-Dichlorobenzene
Concen: 70.831 ng
RT: 6.763 min Scan# 794
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:146 Resp: 945224

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.6	77.4
75	33.0	26.2	39.2



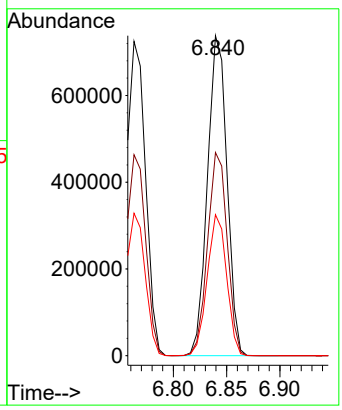


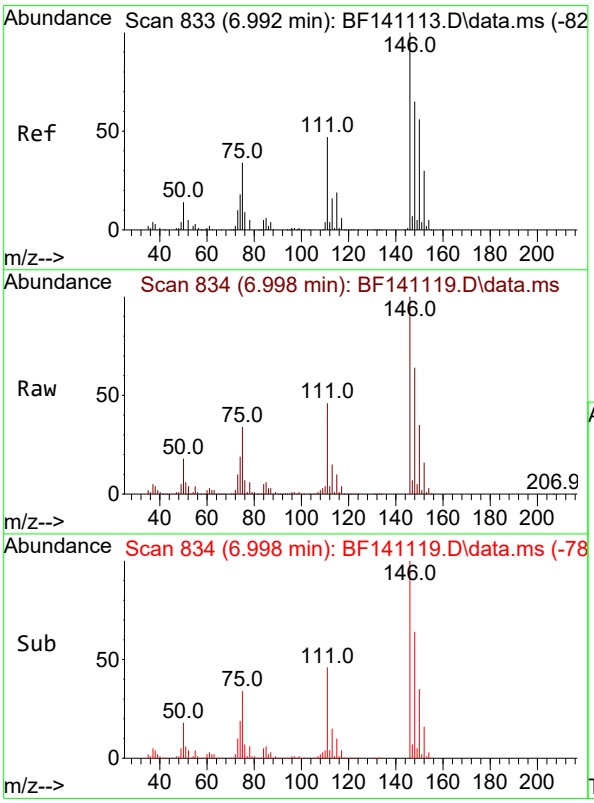
#13
1,4-Dichlorobenzene
Concen: 70.211 ng
RT: 6.840 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 944179

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.0	76.6
111	44.1	34.9	52.3

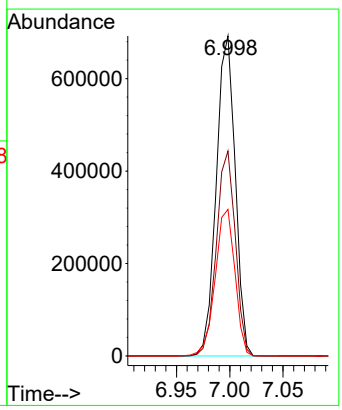


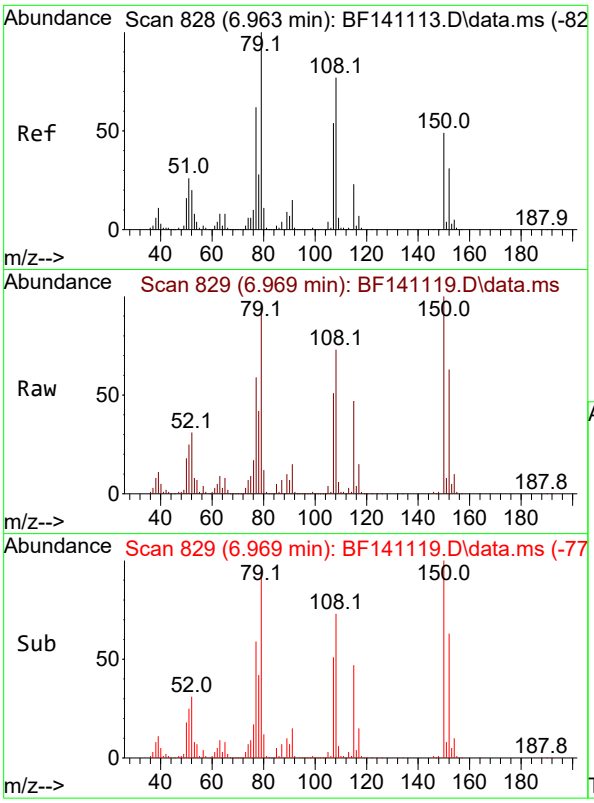


#14
1,2-Dichlorobenzene
Concen: 68.083 ng
RT: 6.998 min Scan# 834
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:146 Resp: 854029

Ion	Ratio	Lower	Upper
146	100		
148	64.0	52.2	78.4
111	45.8	37.5	56.3



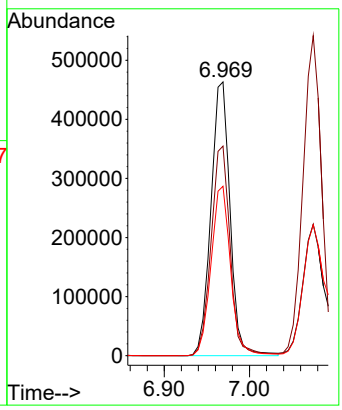


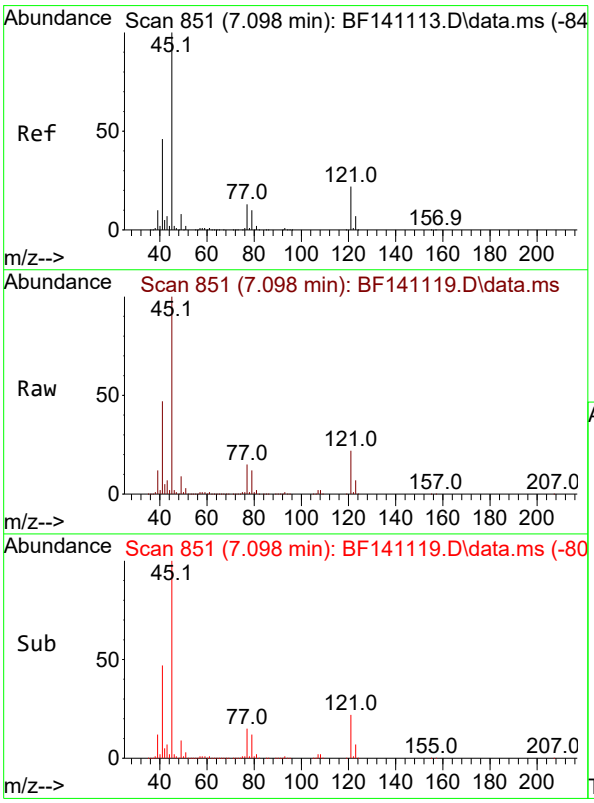
#15
Benzyl Alcohol
Concen: 70.781 ng
RT: 6.969 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 722113

Ion	Ratio	Lower	Upper
79	100		
108	76.6	61.4	92.0
77	61.9	49.8	74.6

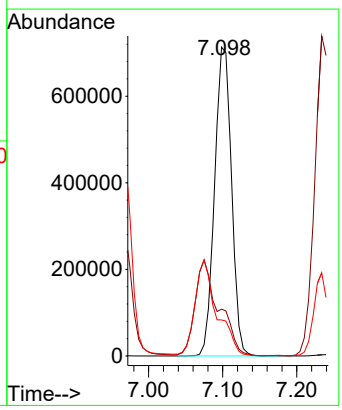


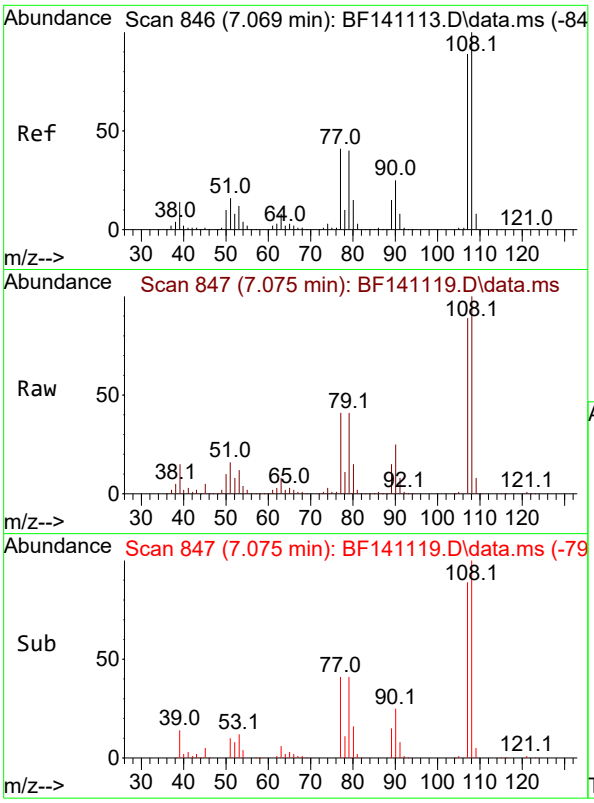


#16
2,2'-oxybis(1-Chloropropane)
Concen: 71.848 ng
RT: 7.098 min Scan# 851
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion: 45 Resp: 1129914

Ion	Ratio	Lower	Upper
45	100		
77	15.1	0.0	34.1
79	11.7	0.0	31.0



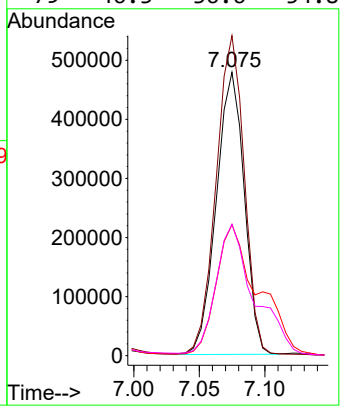


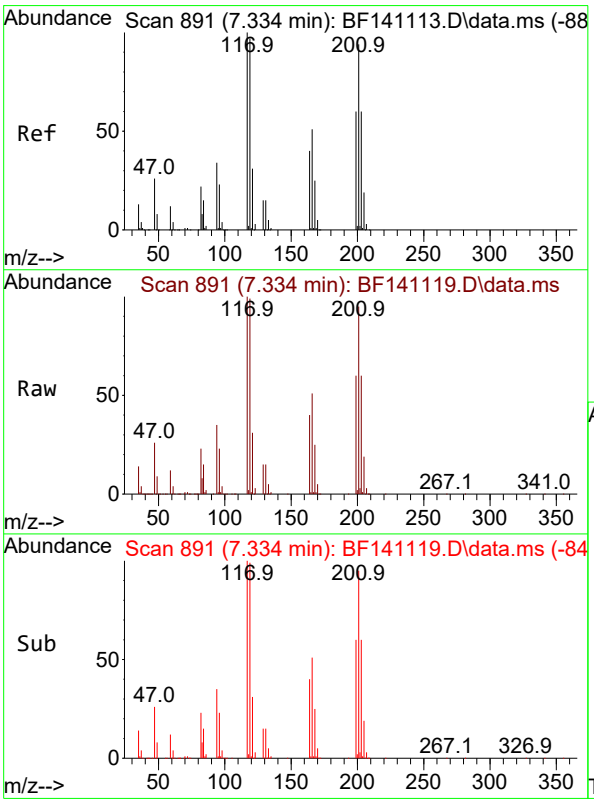
#17
2-Methylphenol
Concen: 73.257 ng
RT: 7.075 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 707657

Ion	Ratio	Lower	Upper
107	100		
108	112.9	90.1	135.1
77	46.2	36.6	55.0
79	46.3	36.6	54.8

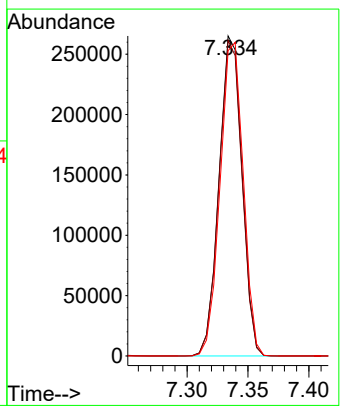


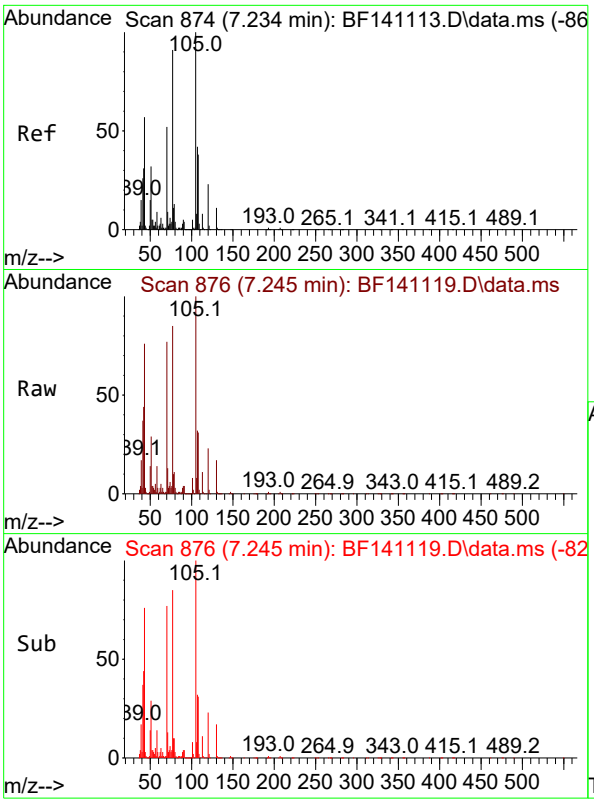


#18
Hexachloroethane
Concen: 71.795 ng
RT: 7.334 min Scan# 891
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:117 Resp: 349146

Ion	Ratio	Lower	Upper
117	100		
119	98.6	77.6	116.4
201	95.4	75.1	112.7



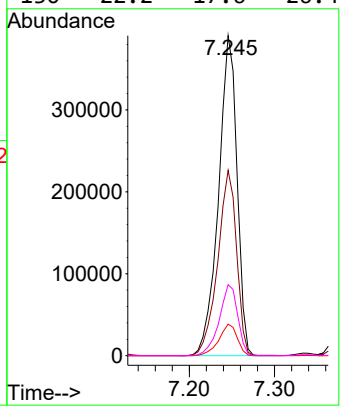


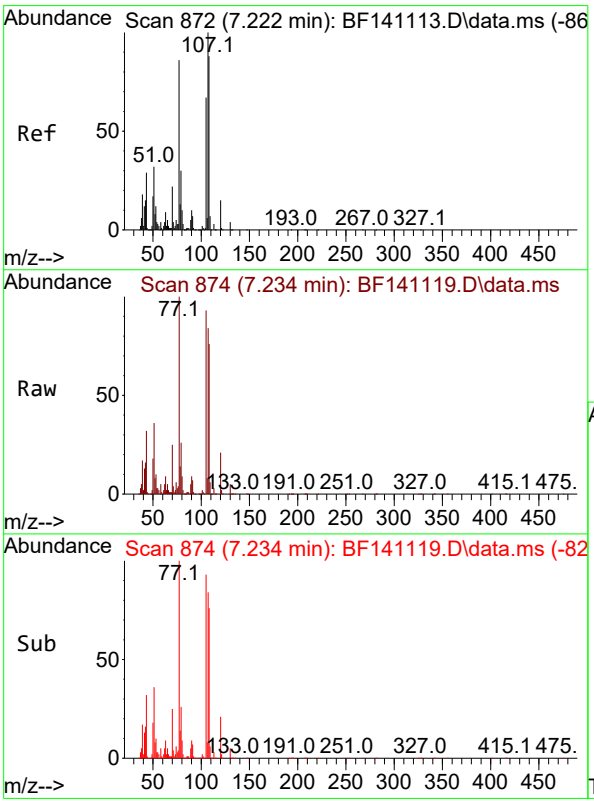
#19
n-Nitroso-di-n-propylamine
Concen: 70.753 ng
RT: 7.245 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 70 Resp: 588783

Ion	Ratio	Lower	Upper
70	100		
42	57.9	47.8	71.6
101	9.8	7.9	11.9
130	22.2	17.6	26.4

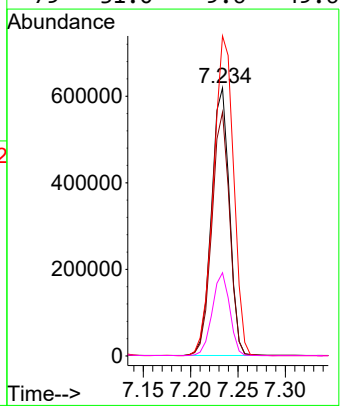


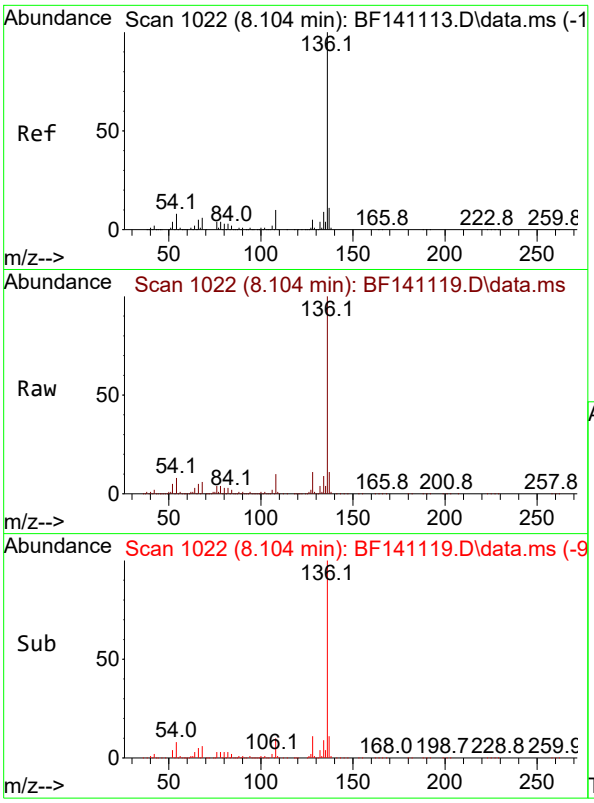


#20
3+4-Methylphenols
Concen: 66.732 ng
RT: 7.234 min Scan# 874
Delta R.T. 0.012 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:107 Resp: 813265

Ion	Ratio	Lower	Upper
107	100		
108	90.9	68.3	108.3
77	119.4	66.4	106.4#
79	31.0	9.6	49.6



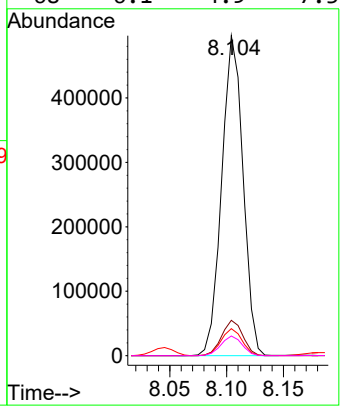


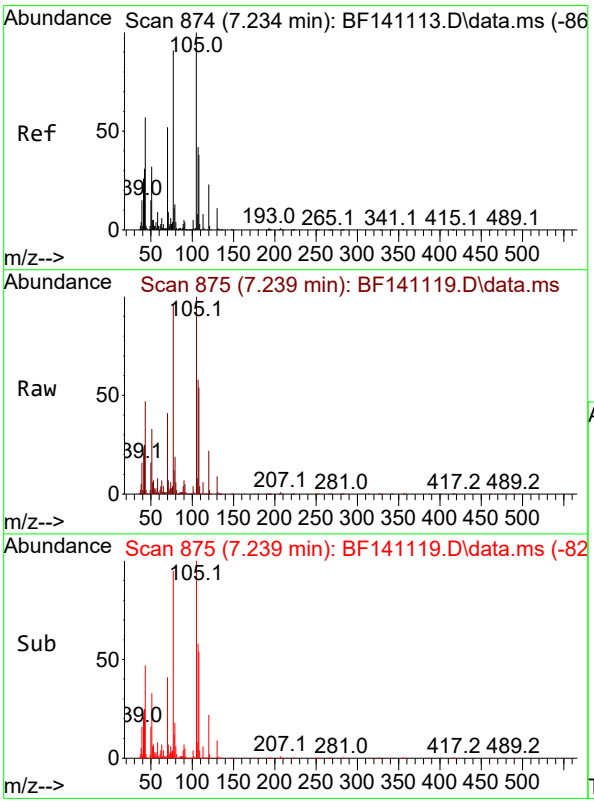
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:136 Resp: 648826

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.8	13.2
54	8.5	6.3	9.5
68	6.1	4.9	7.3

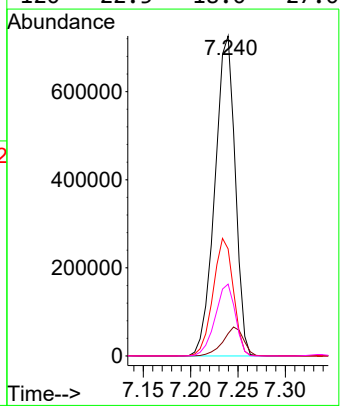


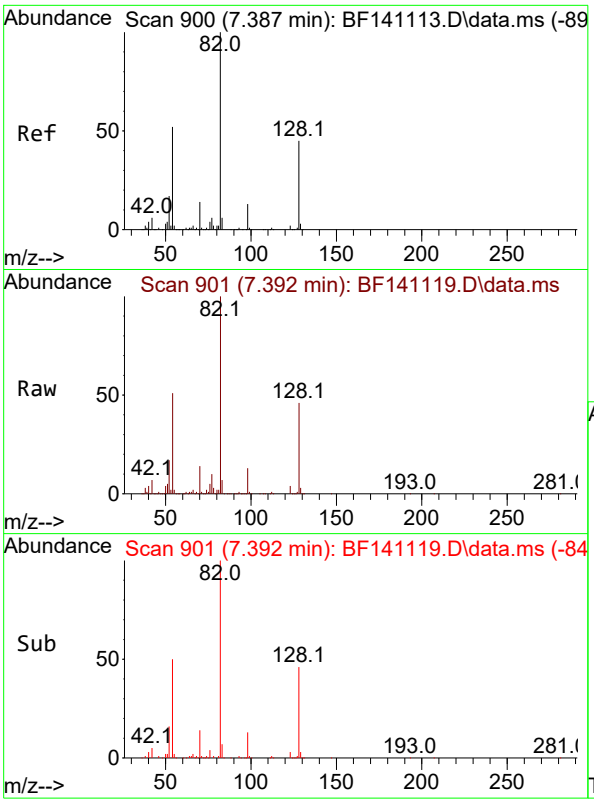


#22
Acetophenone
Concen: 70.218 ng
RT: 7.239 min Scan# 875
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:105 Resp: 1083059

Ion	Ratio	Lower	Upper
105	100		
71	7.0	7.1	10.7#
51	33.5	25.4	38.2
120	22.5	18.0	27.0



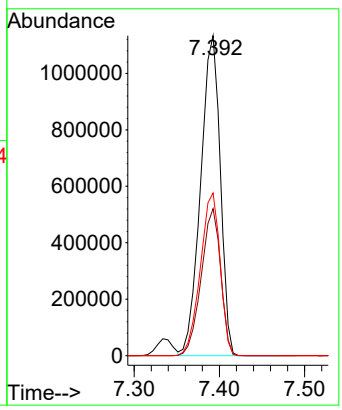


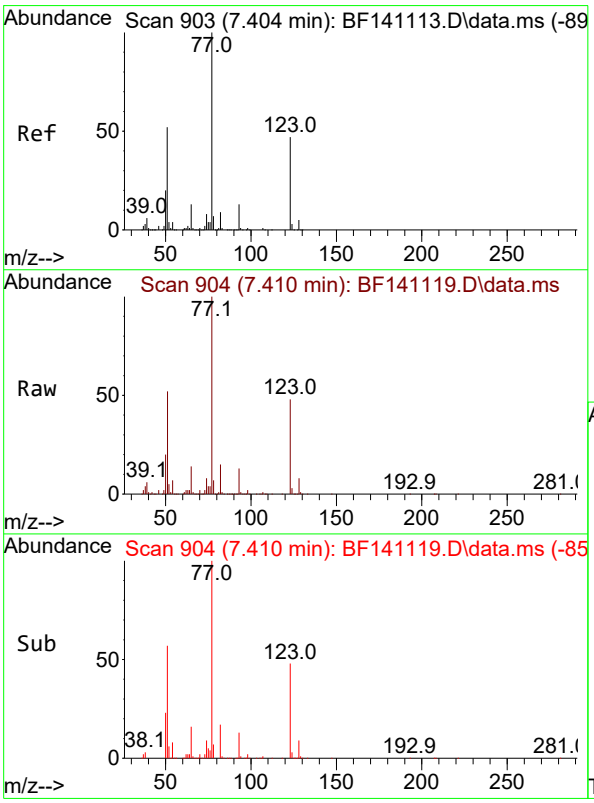
#23
Nitrobenzene-d5
Concen: 148.154 ng
RT: 7.392 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 1813409

Ion	Ratio	Lower	Upper
82	100		
128	45.9	36.1	54.1
54	50.9	41.0	61.4

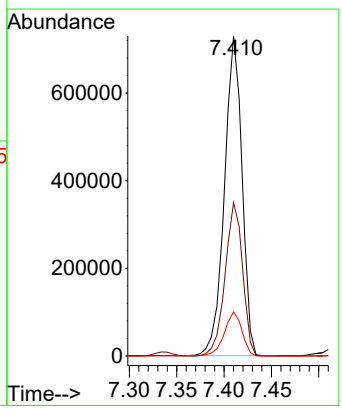


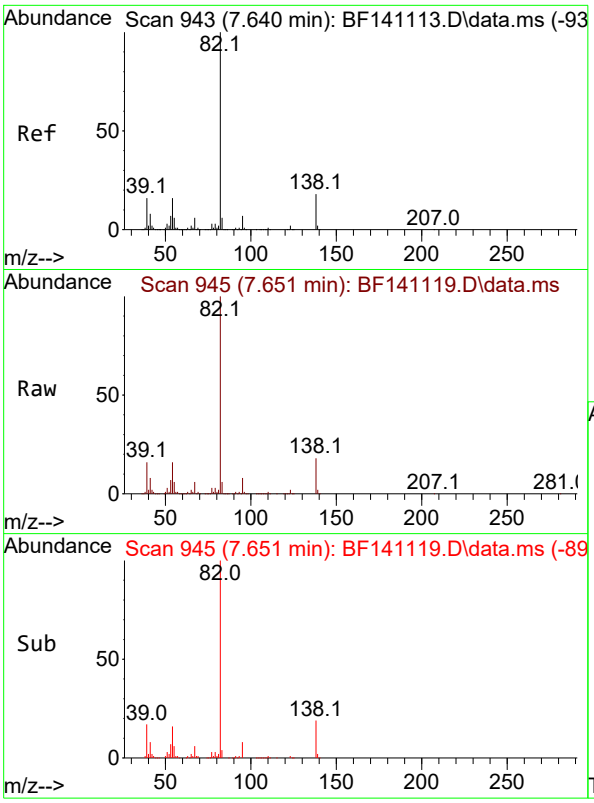


#24
Nitrobenzene
Concen: 73.960 ng
RT: 7.410 min Scan# 904
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion: 77 Resp: 943483

Ion	Ratio	Lower	Upper
77	100		
123	47.9	37.7	56.5
65	13.7	10.6	16.0



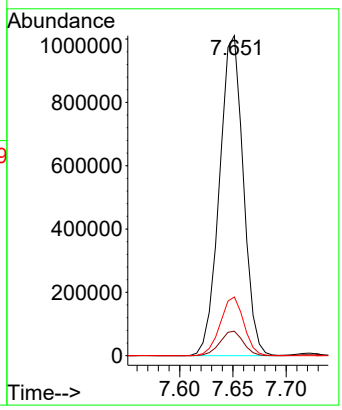


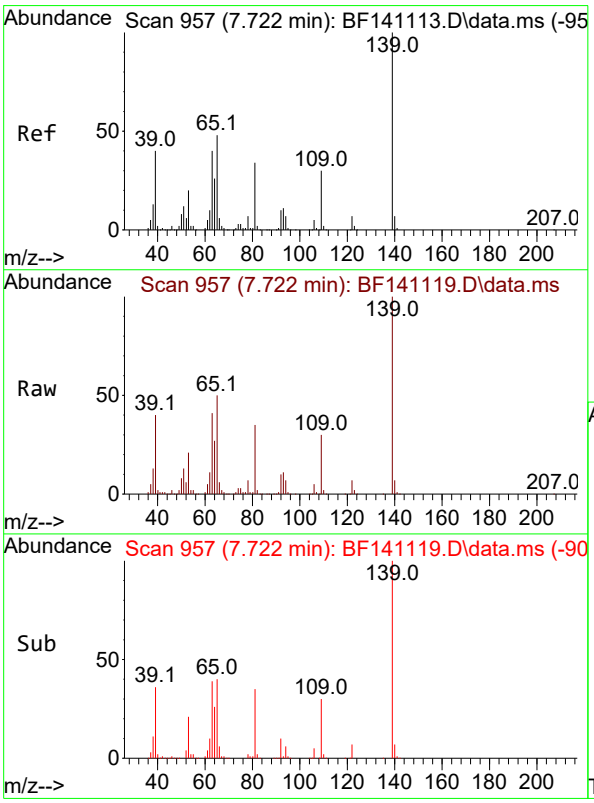
#25
Isophorone
Concen: 75.124 ng
RT: 7.651 min Scan# 94
Delta R.T. 0.012 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 1571424

Ion	Ratio	Lower	Upper
82	100		
95	7.6	5.9	8.9
138	18.4	14.2	21.2

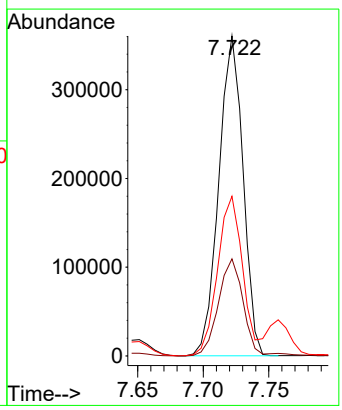


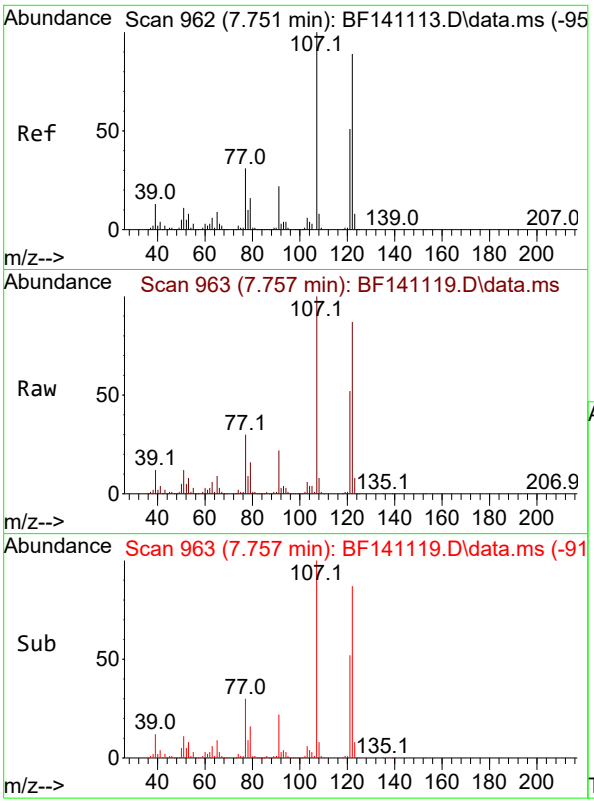


#26
2-Nitrophenol
Concen: 79.834 ng
RT: 7.722 min Scan# 957
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:139 Resp: 463267

Ion	Ratio	Lower	Upper
139	100		
109	30.3	23.8	35.6
65	49.9	38.5	57.7



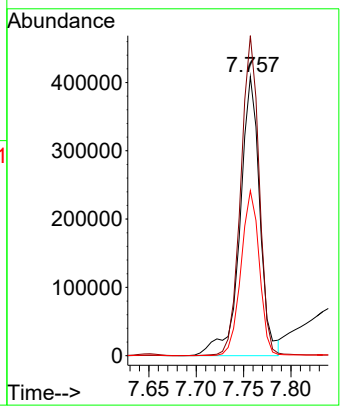


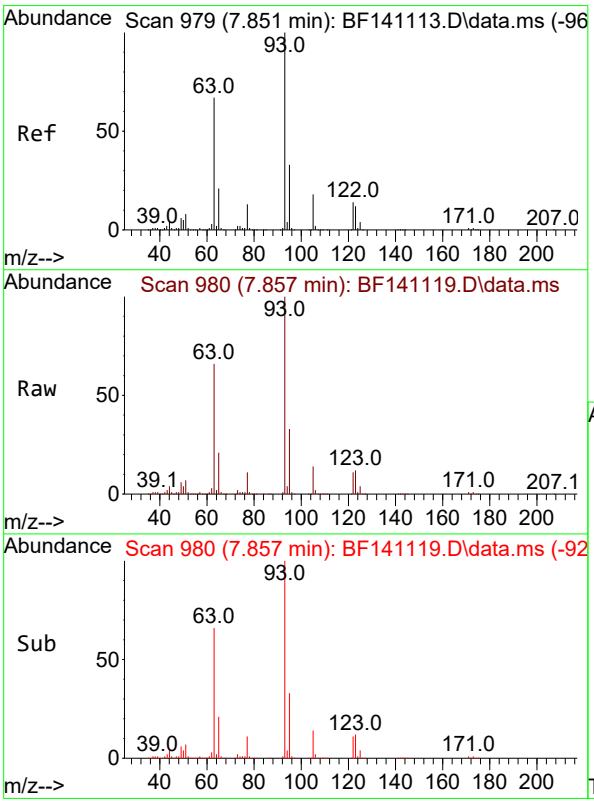
#27
2,4-Dimethylphenol
Concen: 75.959 ng
RT: 7.757 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:122 Resp: 594544

Ion	Ratio	Lower	Upper
122	100		
107	114.7	90.3	135.5
121	59.1	46.5	69.7

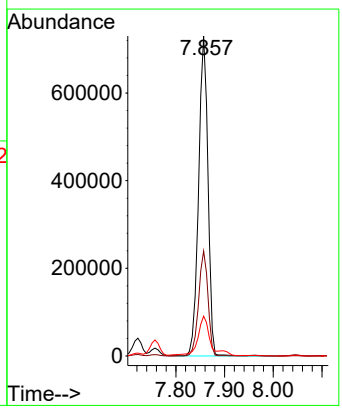


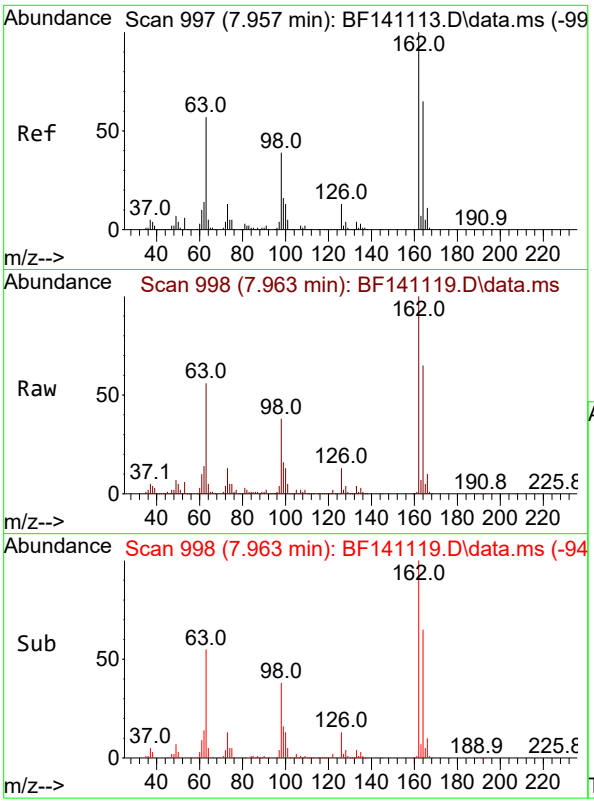


#28
bis(2-Chloroethoxy)methane
Concen: 74.449 ng
RT: 7.857 min Scan# 980
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion: 93 Resp: 977334

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.2	39.4
123	12.5	10.1	15.1



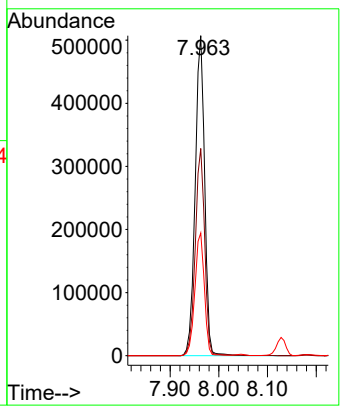


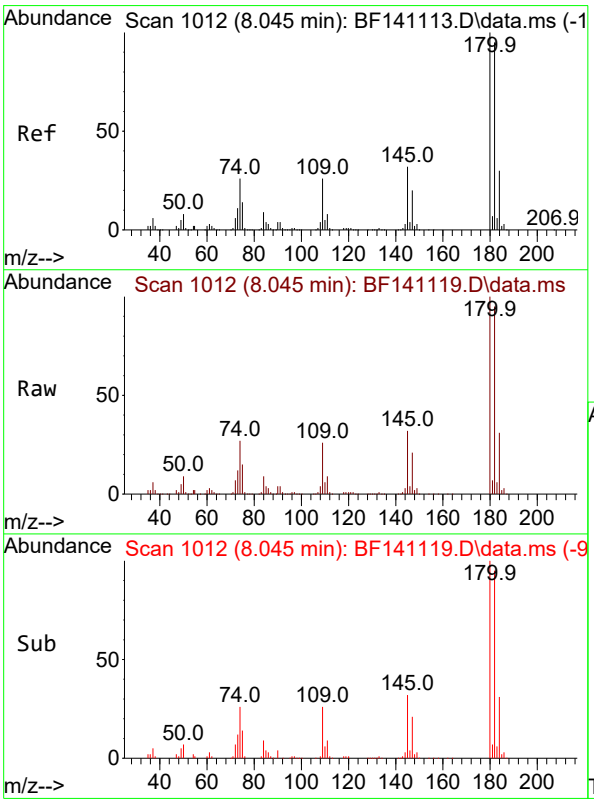
#29
2,4-Dichlorophenol
Concen: 74.162 ng
RT: 7.963 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 689420

Ion	Ratio	Lower	Upper
162	100		
164	64.8	44.5	84.5
98	38.3	18.5	58.5

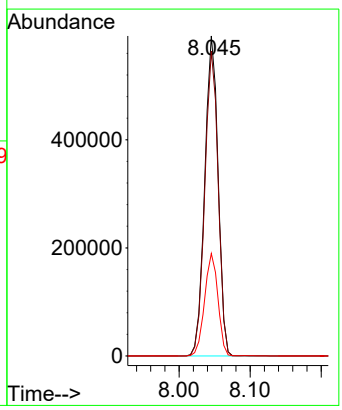


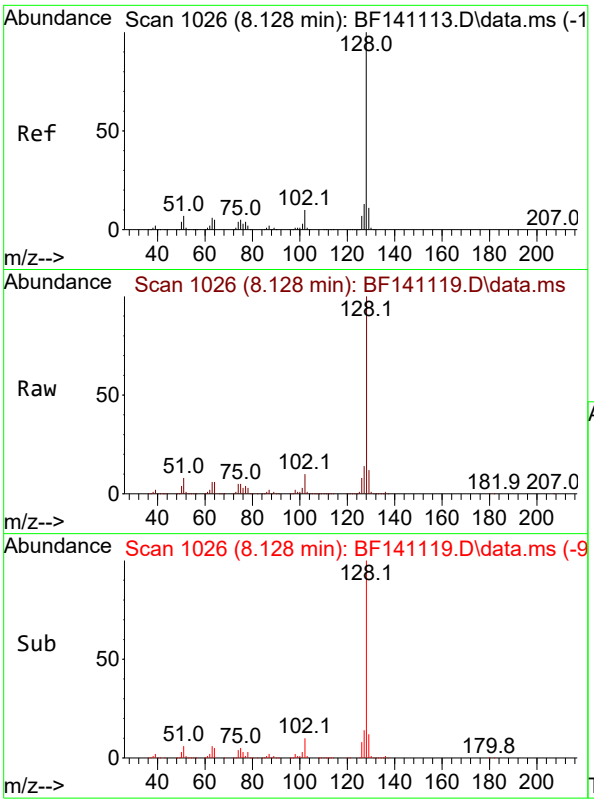


#30
1,2,4-Trichlorobenzene
Concen: 73.098 ng
RT: 8.045 min Scan# 1012
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:180 Resp: 776721

Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.2	114.2
145	32.0	25.3	37.9



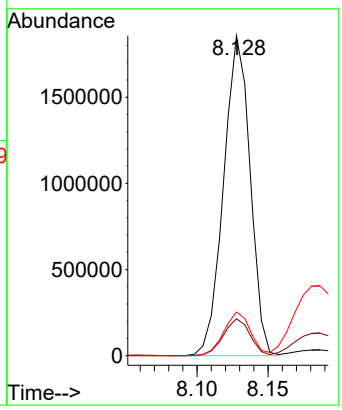


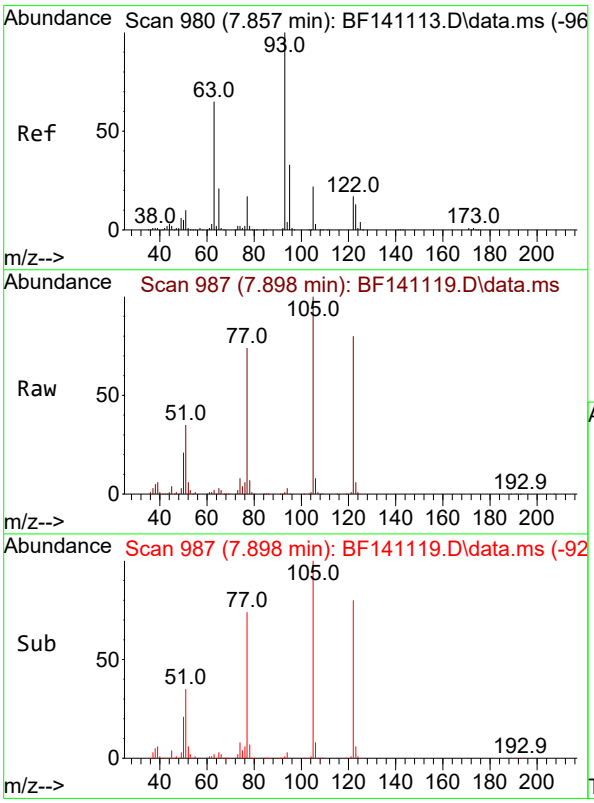
#31
Naphthalene
Concen: 70.480 ng
RT: 8.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:128 Resp: 2411578

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.0	13.6
127	13.6	10.8	16.2

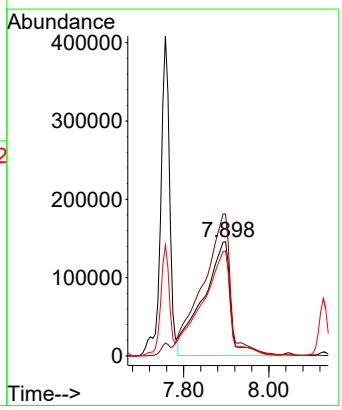


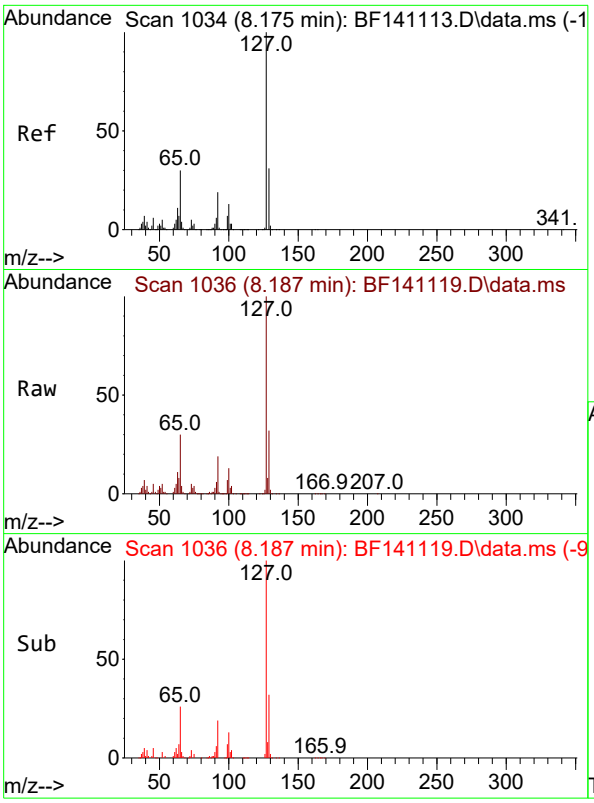


#32
Benzoic acid
Concen: 86.411 ng
RT: 7.898 min Scan# 987
Delta R.T. 0.041 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:122 Resp: 648810

Ion	Ratio	Lower	Upper
122	100		
105	124.5	105.5	145.5
77	91.9	75.1	115.1



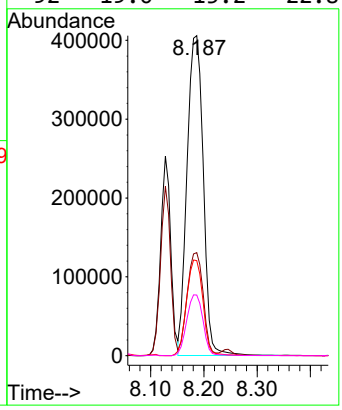


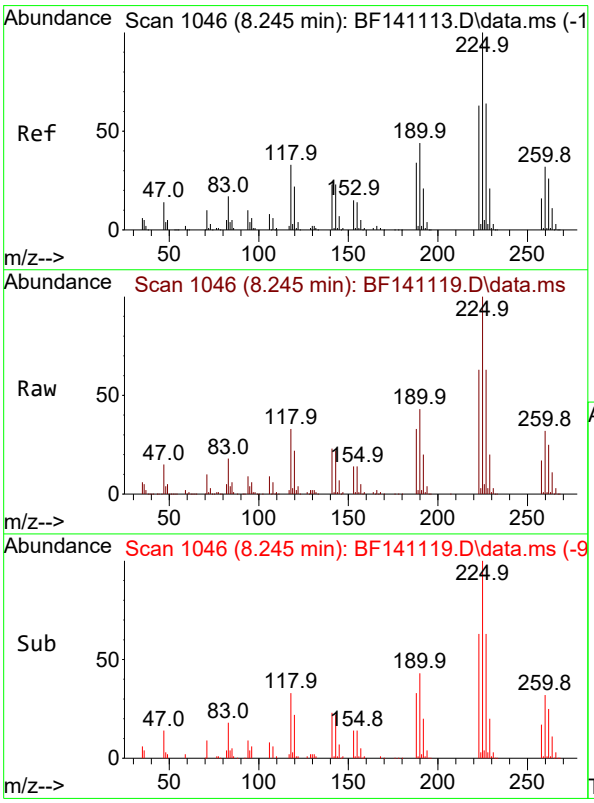
#33
4-Chloroaniline
Concen: 72.688 ng
RT: 8.187 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:127 Resp: 860135

Ion	Ratio	Lower	Upper
127	100		
129	32.2	25.9	38.9
65	29.7	23.8	35.8
92	19.0	15.2	22.8

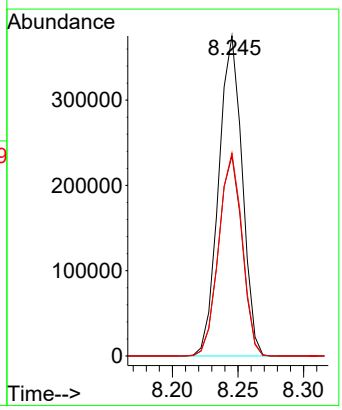


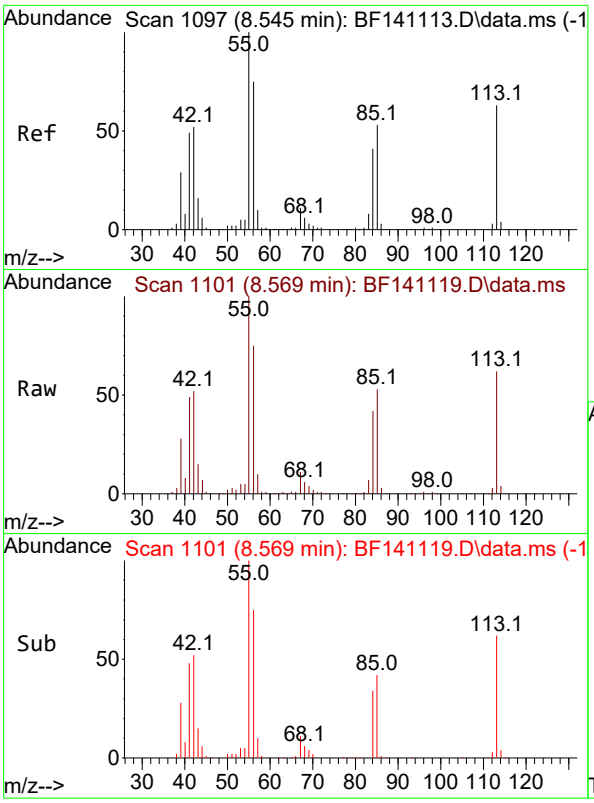


#34
Hexachlorobutadiene
Concen: 72.969 ng
RT: 8.245 min Scan# 1046
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:225 Resp: 467194

Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.6	76.0
227	63.4	51.6	77.4



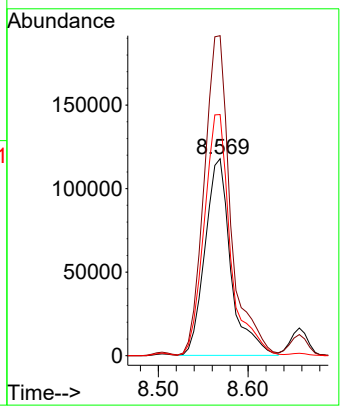


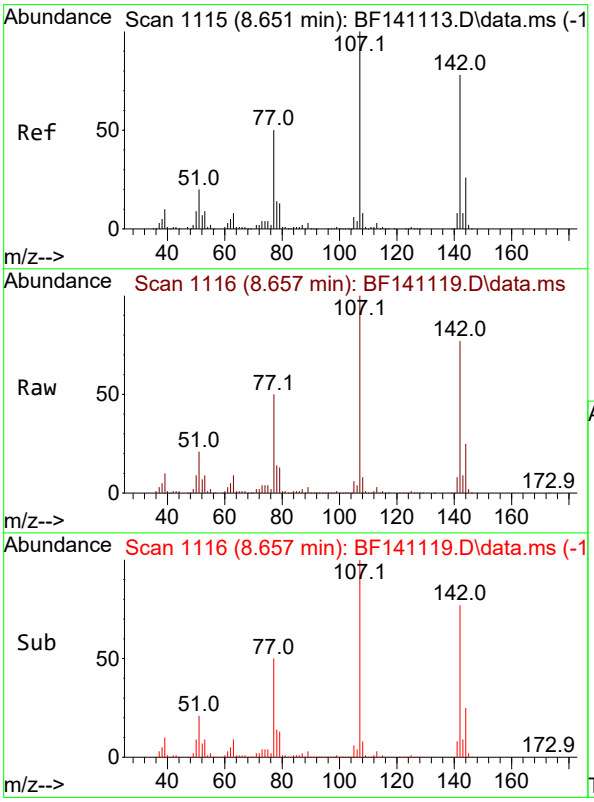
#35
Caprolactam
Concen: 77.436 ng
RT: 8.569 min Scan# 11
Delta R.T. 0.024 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:113 Resp: 236127

Ion	Ratio	Lower	Upper
113	100		
55	162.5	139.7	179.7
56	122.5	99.4	139.4

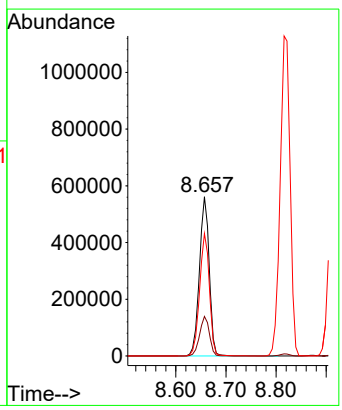


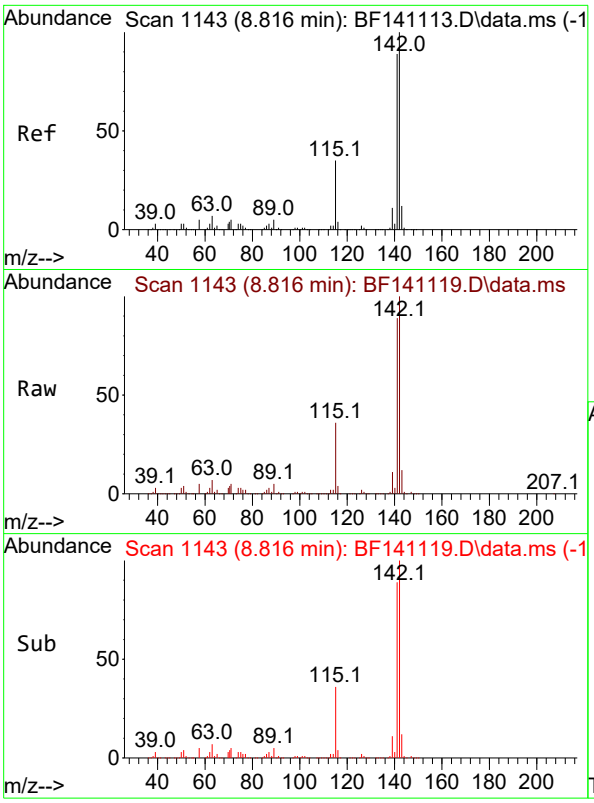


#36
4-Chloro-3-methylphenol
Concen: 74.822 ng
RT: 8.657 min Scan# 1116
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:107 Resp: 760692

Ion	Ratio	Lower	Upper
107	100		
144	24.9	20.4	30.6
142	76.8	62.2	93.2



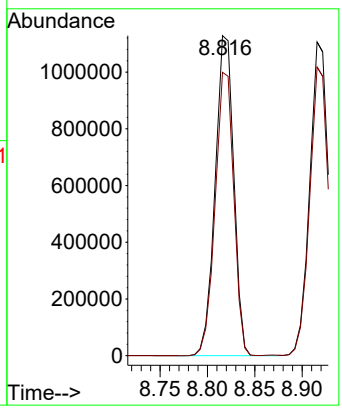


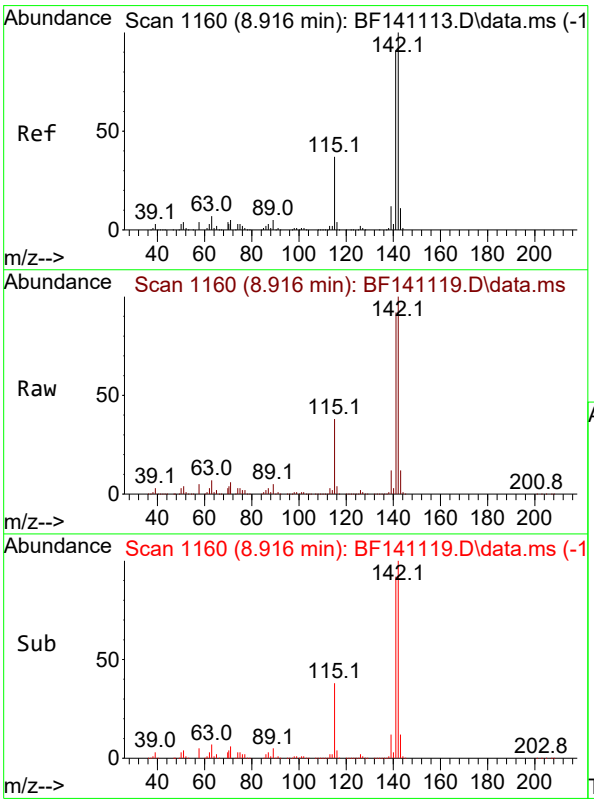
#37
2-Methylnaphthalene
Concen: 70.820 ng
RT: 8.816 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:142 Resp: 1544153

Ion	Ratio	Lower	Upper
142	100		
141	88.5	71.3	106.9

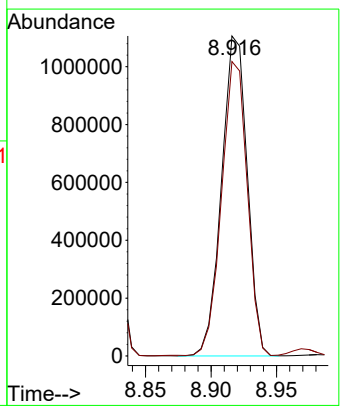


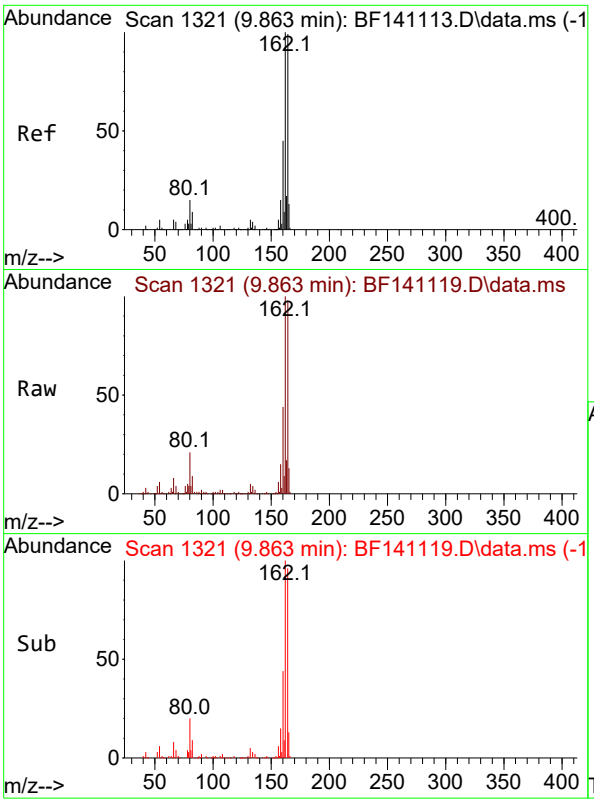


#38
1-Methylnaphthalene
Concen: 70.172 ng
RT: 8.916 min Scan# 1160
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:142 Resp: 1507881

Ion	Ratio	Lower	Upper
142	100		
141	92.0	73.1	109.7



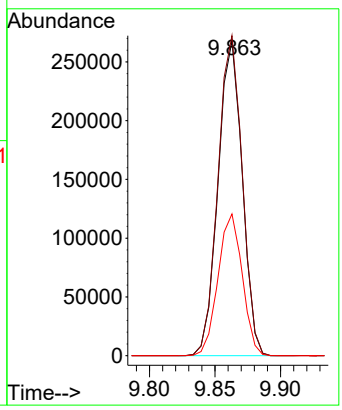


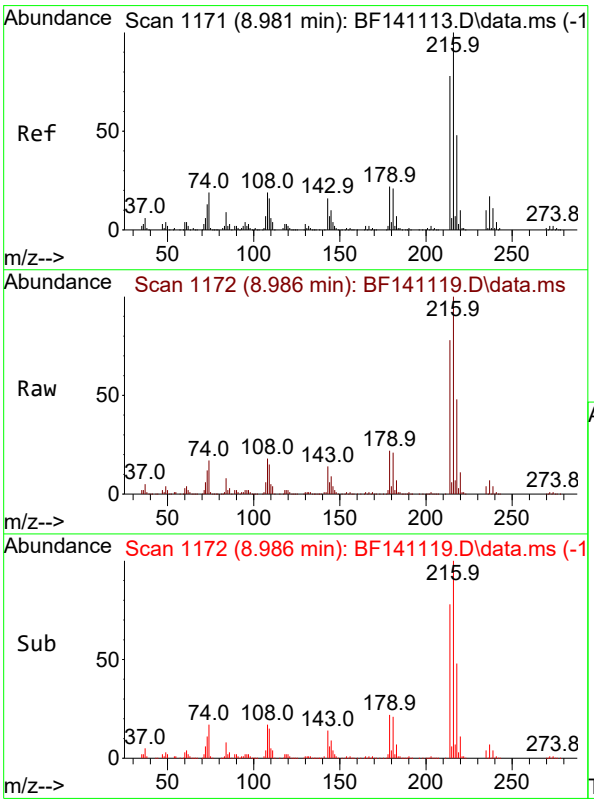
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:164 Resp: 342460

Ion	Ratio	Lower	Upper
164	100		
162	101.7	81.0	121.4
160	45.1	36.1	54.1

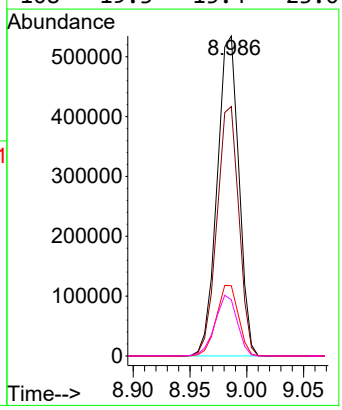


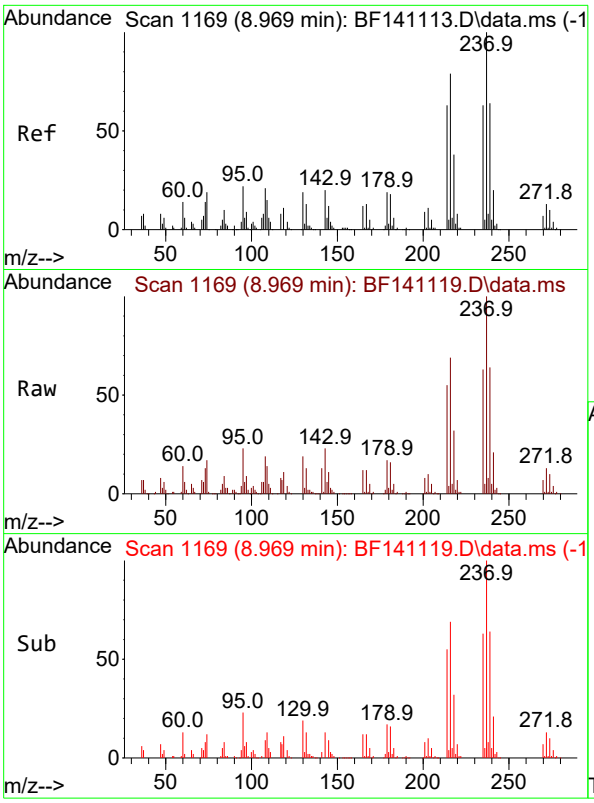


#40
1,2,4,5-Tetrachlorobenzene
Concen: 72.478 ng
RT: 8.986 min Scan# 1172
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:216 Resp: 712407

Ion	Ratio	Lower	Upper
216	100		
214	78.5	62.6	94.0
179	22.4	17.7	26.5
108	19.3	15.4	23.0



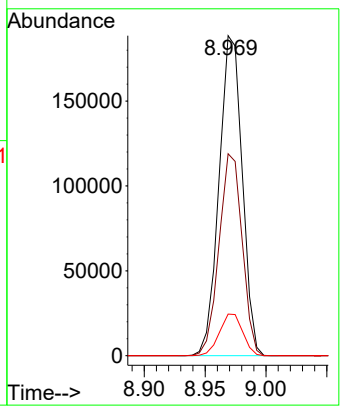


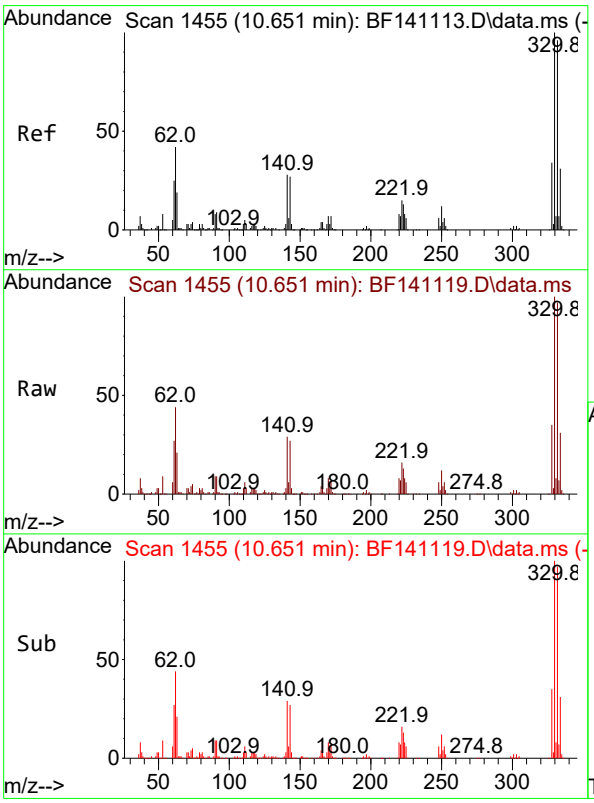
#41
Hexachlorocyclopentadiene
Concen: 77.724 ng
RT: 8.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:237 Resp: 249944

Ion	Ratio	Lower	Upper
237	100		
235	63.1	43.0	83.0
272	13.0	0.0	33.0

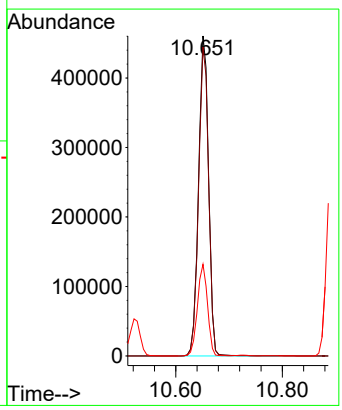


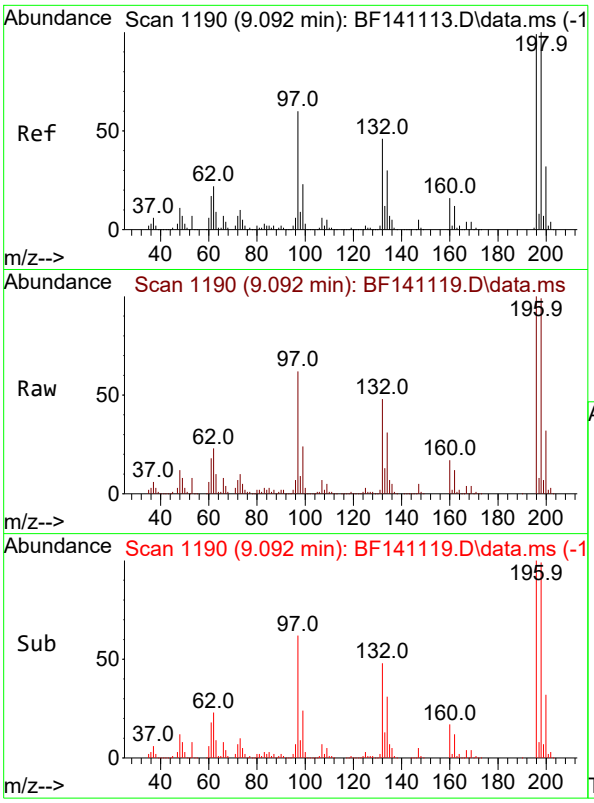


#42
2,4,6-Tribromophenol
Concen: 154.132 ng
RT: 10.651 min Scan# 1455
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:330 Resp: 601438

Ion	Ratio	Lower	Upper
330	100		
332	96.8	76.9	115.3
141	28.9	25.2	37.8



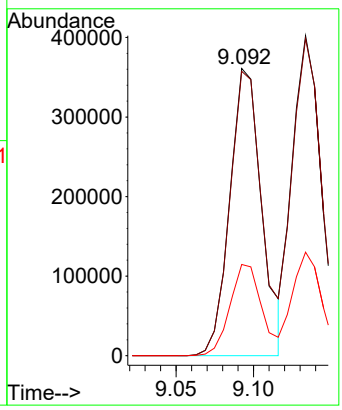


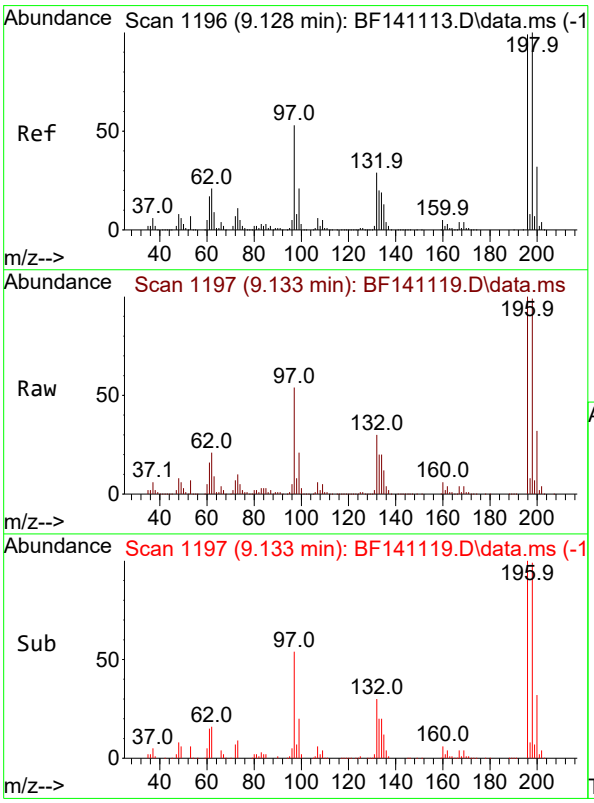
#43
2,4,6-Trichlorophenol
Concen: 77.920 ng
RT: 9.092 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:196 Resp: 516551

Ion	Ratio	Lower	Upper
196	100		
198	99.0	80.8	121.2
200	31.7	25.7	38.5

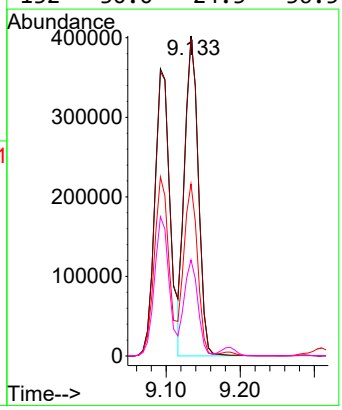


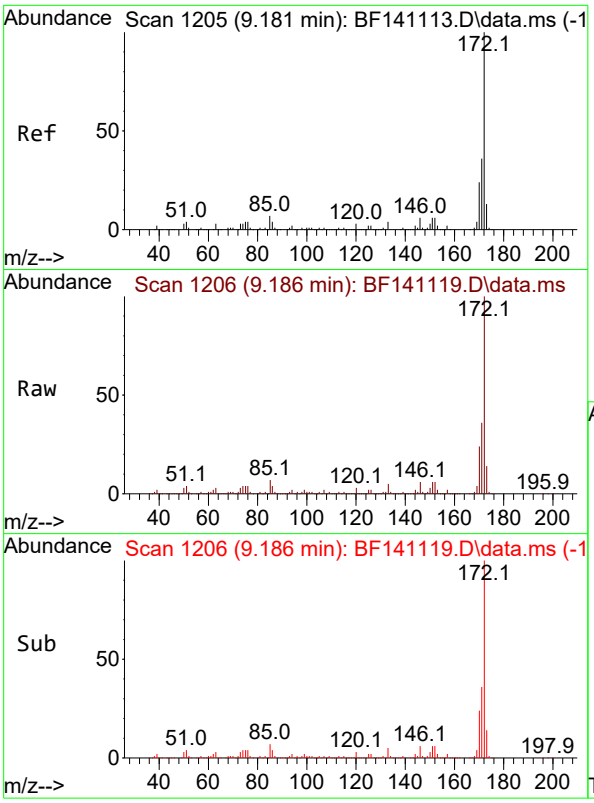


#44
2,4,5-Trichlorophenol
Concen: 73.839 ng
RT: 9.133 min Scan# 1197
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:196 Resp: 516966

Ion	Ratio	Lower	Upper
196	100		
198	99.1	80.6	120.8
97	53.8	43.1	64.7
132	30.0	24.3	36.5



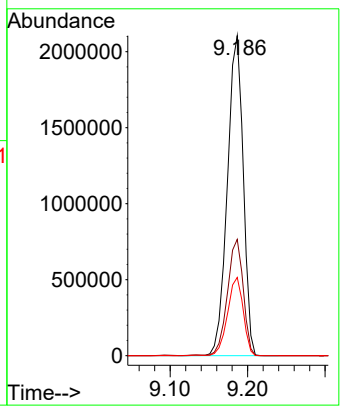


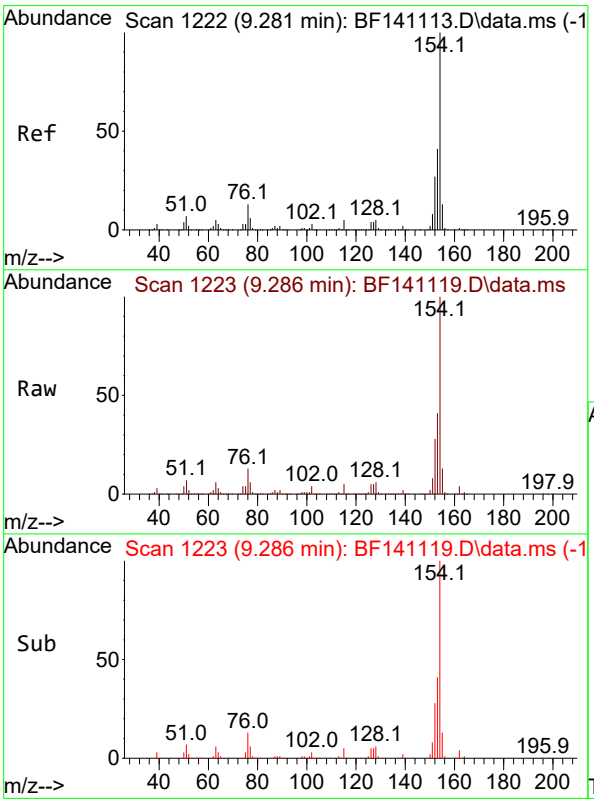
#45
2-Fluorobiphenyl
Concen: 133.666 ng
RT: 9.186 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:172 Resp: 2997639

Ion	Ratio	Lower	Upper
172	100		
171	36.3	28.7	43.1
170	24.4	19.0	28.6

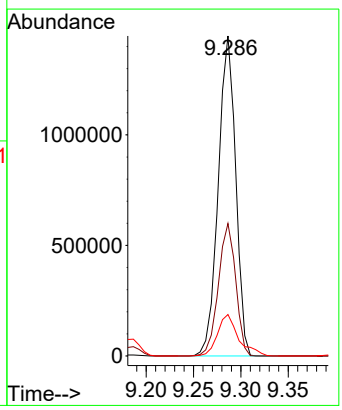


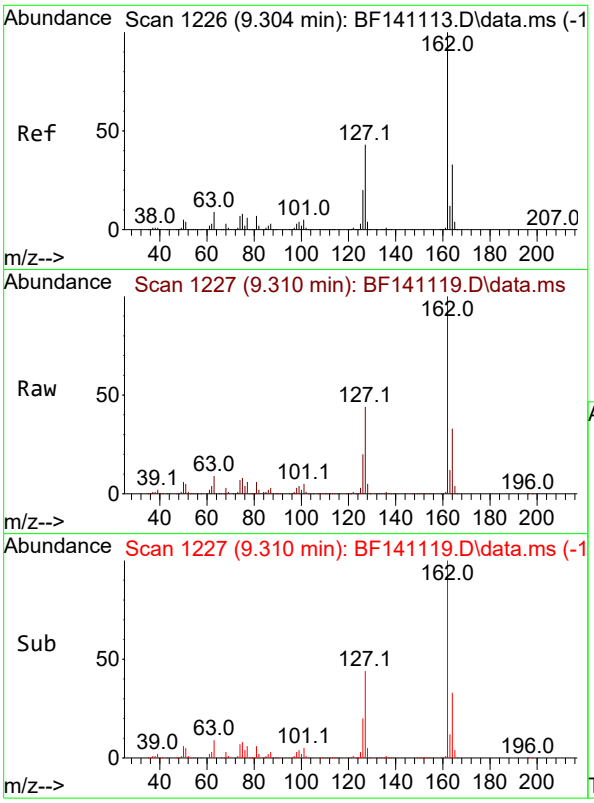


#46
1,1'-Biphenyl
Concen: 69.734 ng
RT: 9.286 min Scan# 1223
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:154 Resp: 1854615

Ion	Ratio	Lower	Upper
154	100		
153	41.4	20.7	60.7
76	12.9	0.0	33.1



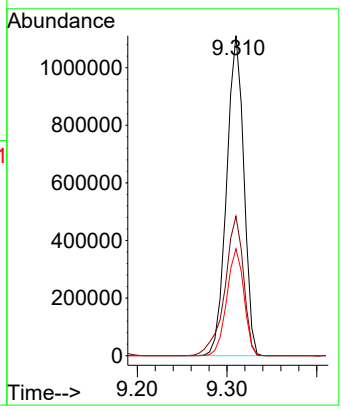


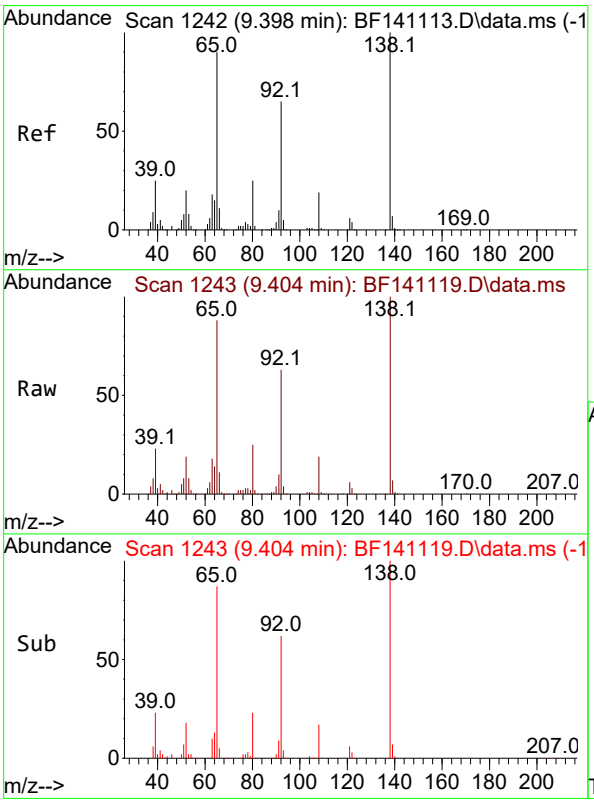
#47
2-Chloronaphthalene
Concen: 71.352 ng
RT: 9.310 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 1478014

Ion	Ratio	Lower	Upper
162	100		
127	43.6	34.6	51.8
164	33.4	26.5	39.7

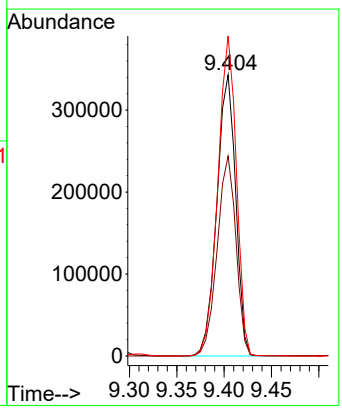


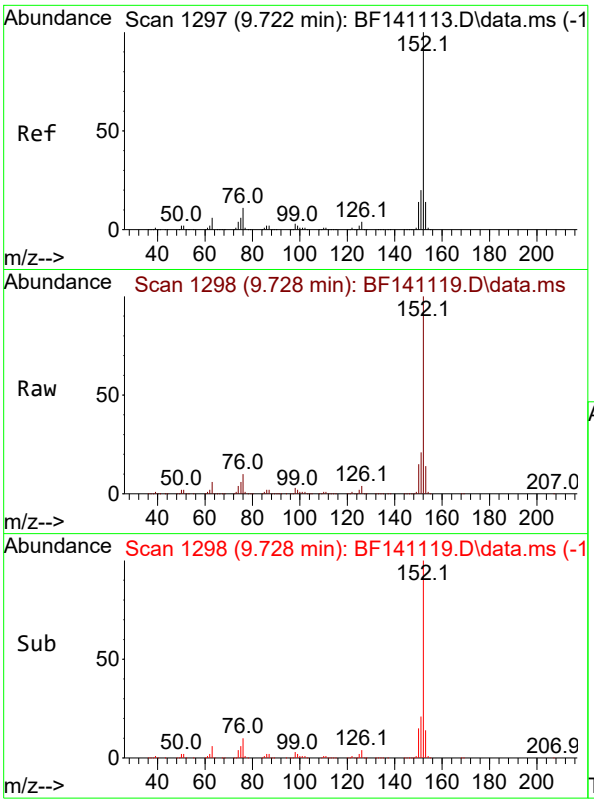


#48
2-Nitroaniline
Concen: 77.400 ng
RT: 9.404 min Scan# 1243
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion: 65 Resp: 475269

Ion	Ratio	Lower	Upper
65	100		
92	71.1	58.3	87.5
138	113.8	89.1	133.7



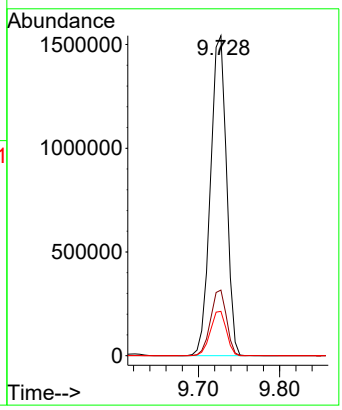


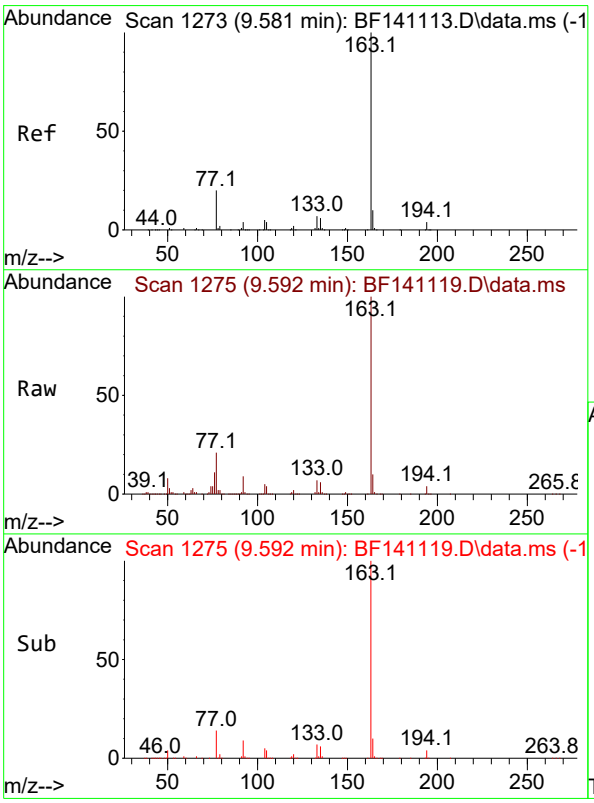
#49
Acenaphthylene
Concen: 71.297 ng
RT: 9.728 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 2110029

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.1	24.1
153	13.8	11.1	16.7

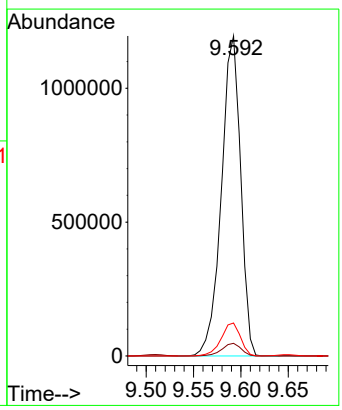


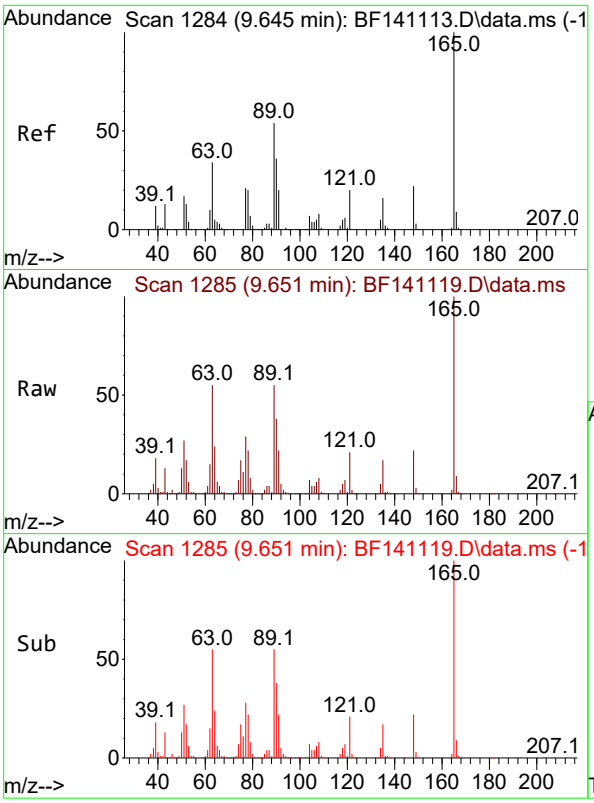


#50
Dimethylphthalate
Concen: 73.435 ng
RT: 9.592 min Scan# 1275
Delta R.T. 0.012 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:163 Resp: 1688321

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.0	4.6
164	10.3	8.2	12.4



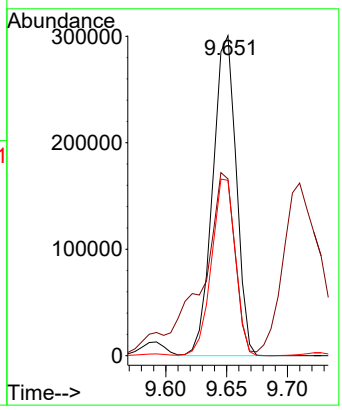


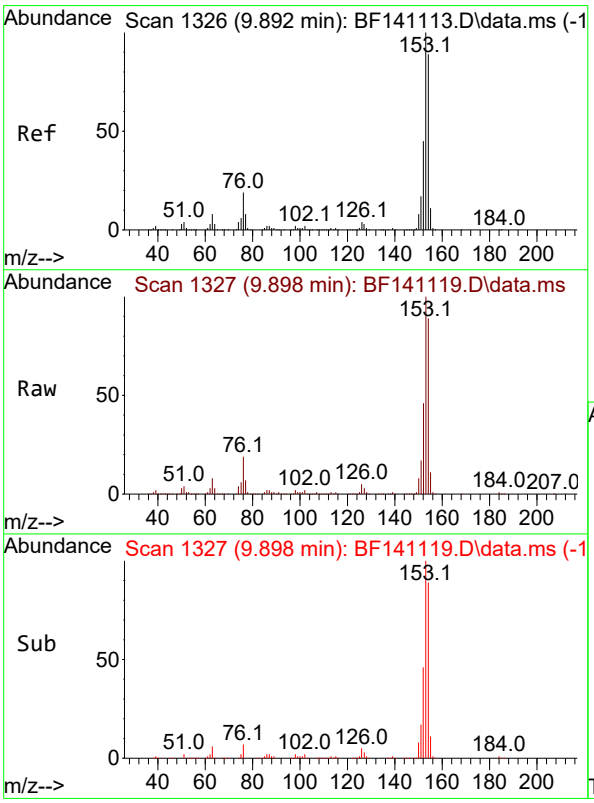
#51
2,6-Dinitrotoluene
Concen: 75.439 ng
RT: 9.651 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 403325

Ion	Ratio	Lower	Upper
165	100		
63	55.2	42.3	63.5
89	54.8	43.1	64.7

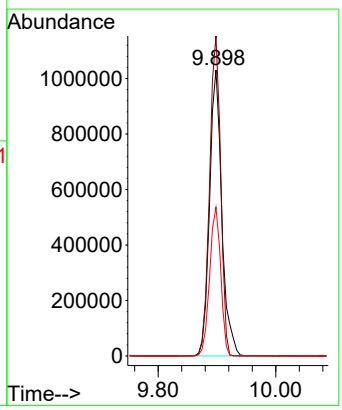


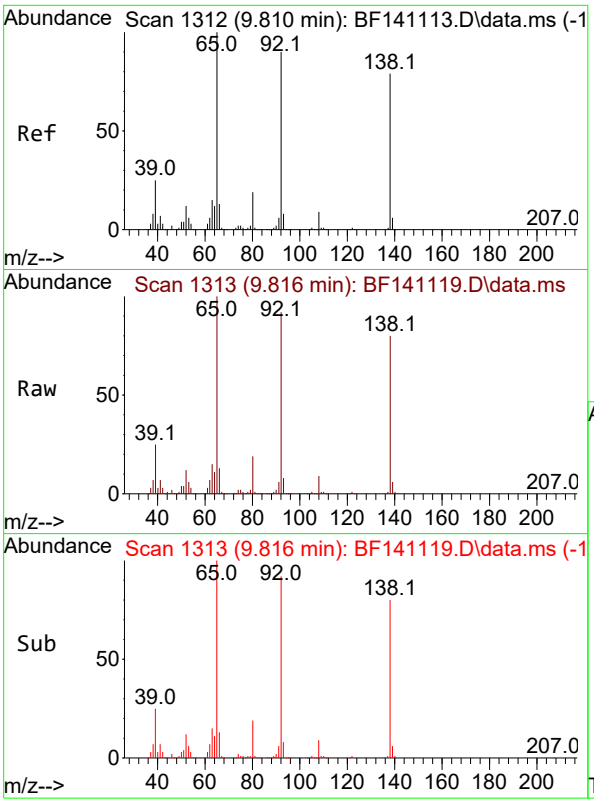


#52
Acenaphthene
Concen: 71.956 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:154 Resp: 1487806

Ion	Ratio	Lower	Upper
154	100		
153	111.9	89.8	134.6
152	52.0	40.8	61.2



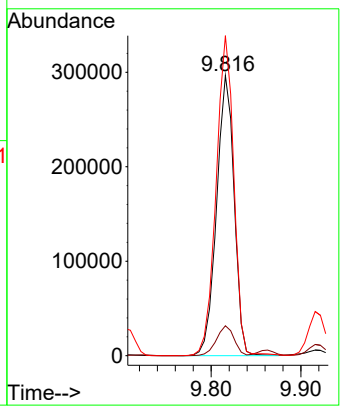


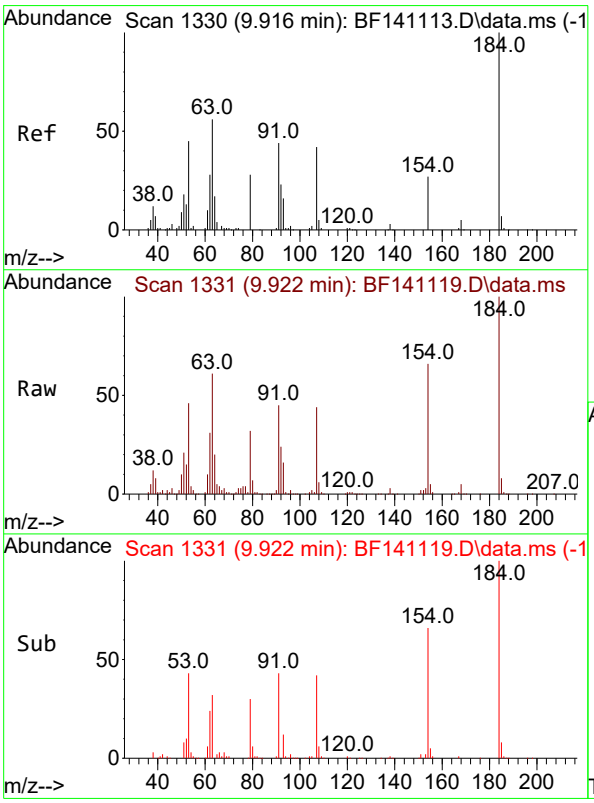
#53
3-Nitroaniline
Concen: 74.366 ng
RT: 9.816 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:138 Resp: 404031

Ion	Ratio	Lower	Upper
138	100		
108	10.7	8.8	13.2
92	114.2	91.3	136.9

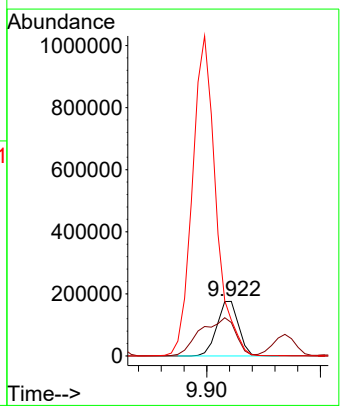


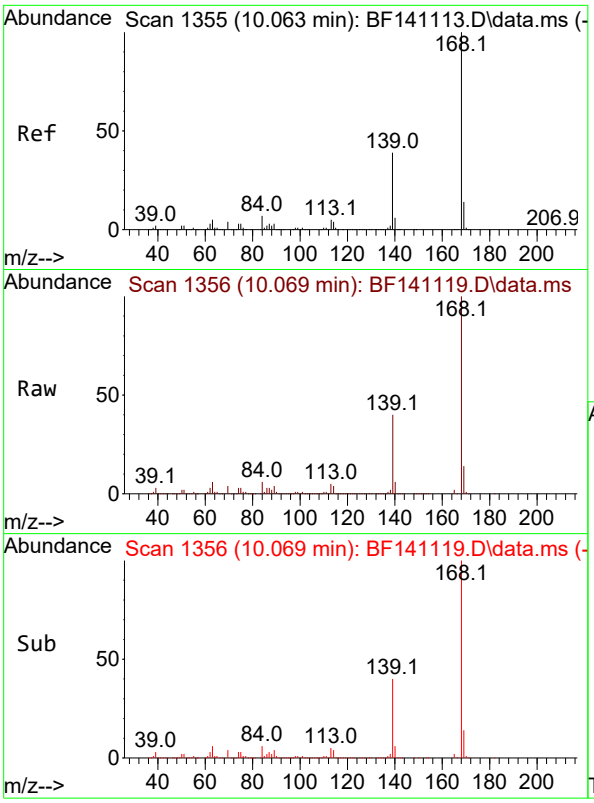


#54
2,4-Dinitrophenol
Concen: 91.933 ng
RT: 9.922 min Scan# 1331
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:184 Resp: 233623

Ion	Ratio	Lower	Upper
184	100		
63	61.4	48.7	73.1
154	65.8	57.1	85.7



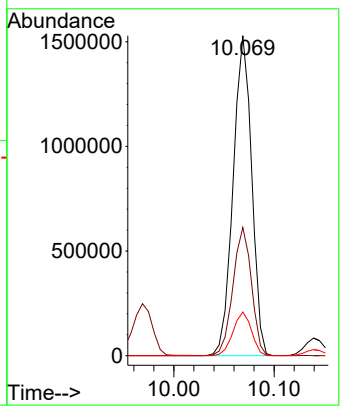


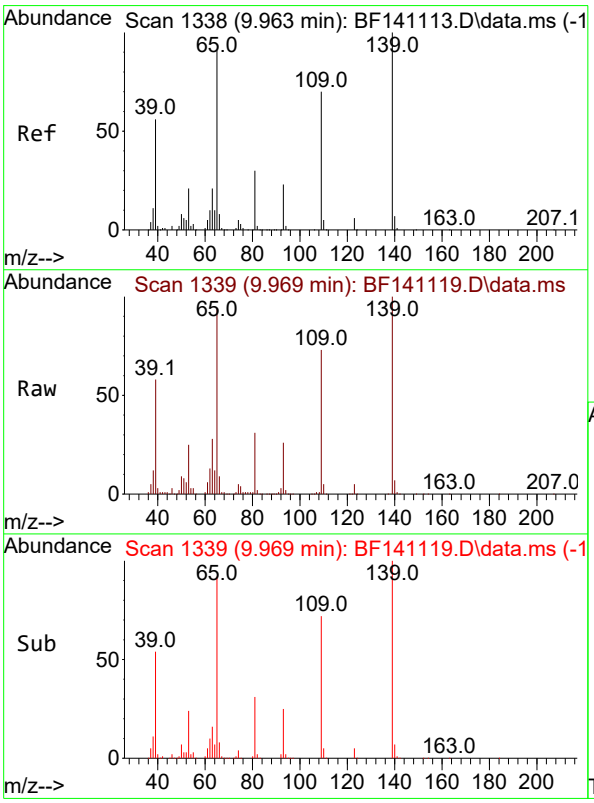
#55
Dibenzofuran
Concen: 70.137 ng
RT: 10.069 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:168 Resp: 1972541

Ion	Ratio	Lower	Upper
168	100		
139	40.1	31.4	47.0
169	13.6	10.9	16.3

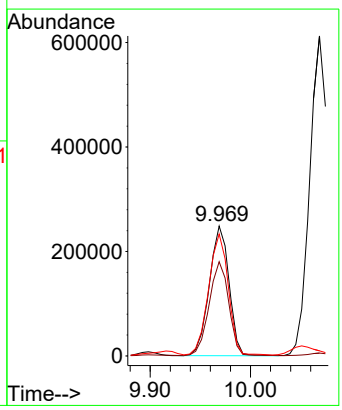


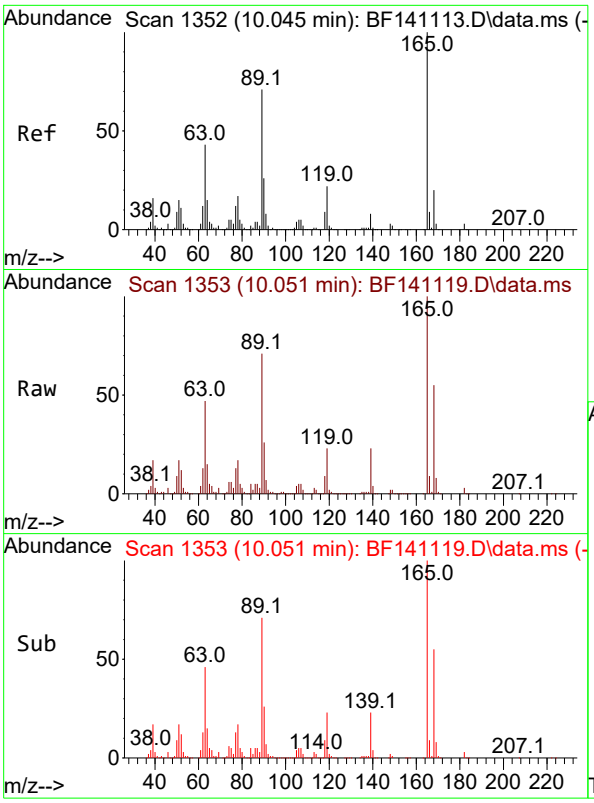


#56
4-Nitrophenol
Concen: 79.690 ng
RT: 9.969 min Scan# 1339
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:139 Resp: 339082

Ion	Ratio	Lower	Upper
139	100		
109	72.6	50.2	90.2
65	93.8	72.1	112.1



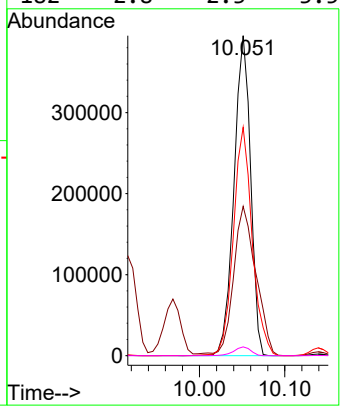


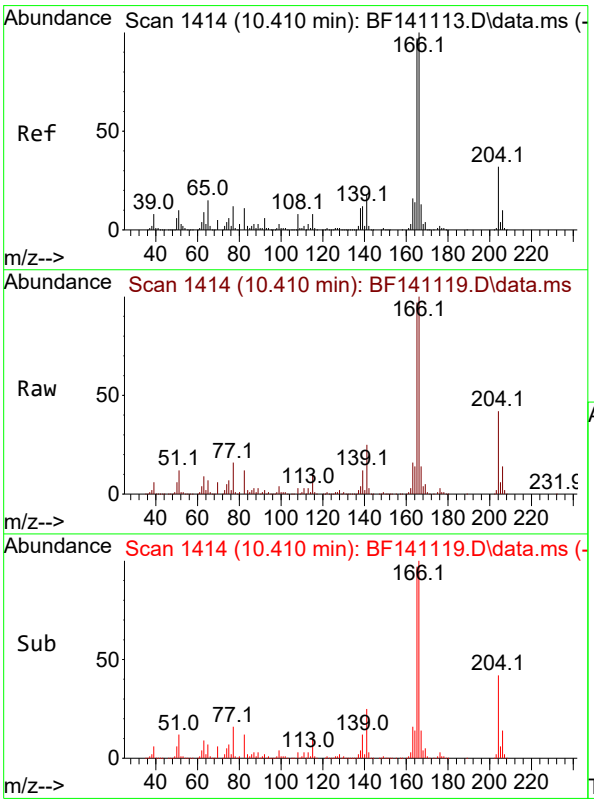
#57
2,4-Dinitrotoluene
Concen: 77.452 ng
RT: 10.051 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 533647

Ion	Ratio	Lower	Upper
165	100		
63	46.6	35.0	52.4
89	71.3	56.7	85.1
182	2.8	2.3	3.5

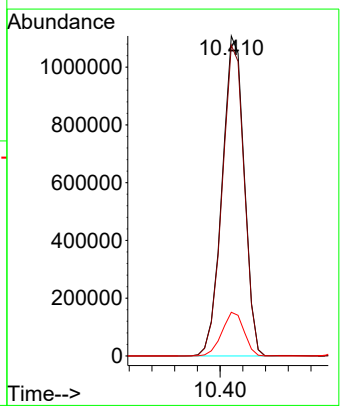


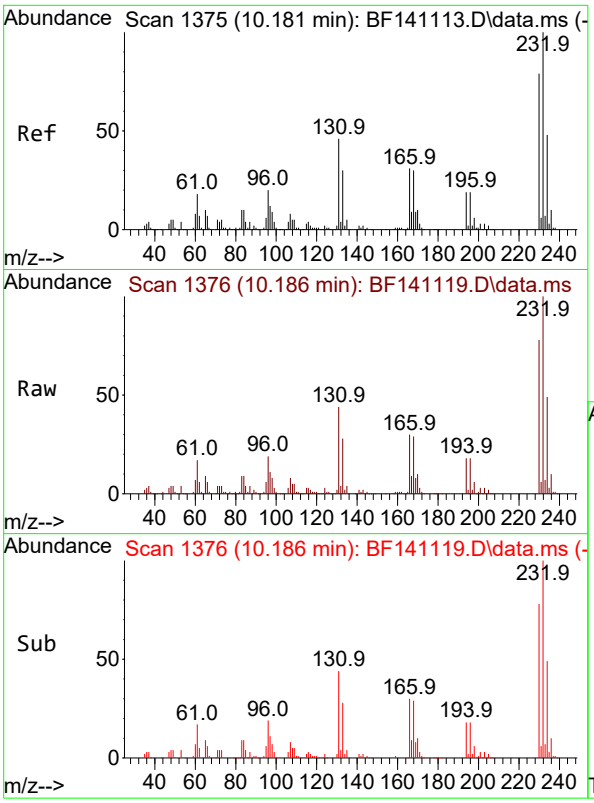


#58
Fluorene
Concen: 68.372 ng
RT: 10.410 min Scan# 1414
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:166 Resp: 1493903

Ion	Ratio	Lower	Upper
166	100		
165	97.1	77.8	116.8
167	13.6	10.8	16.2



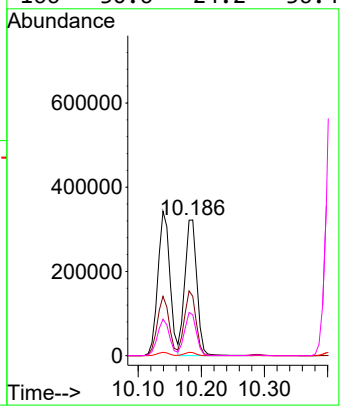


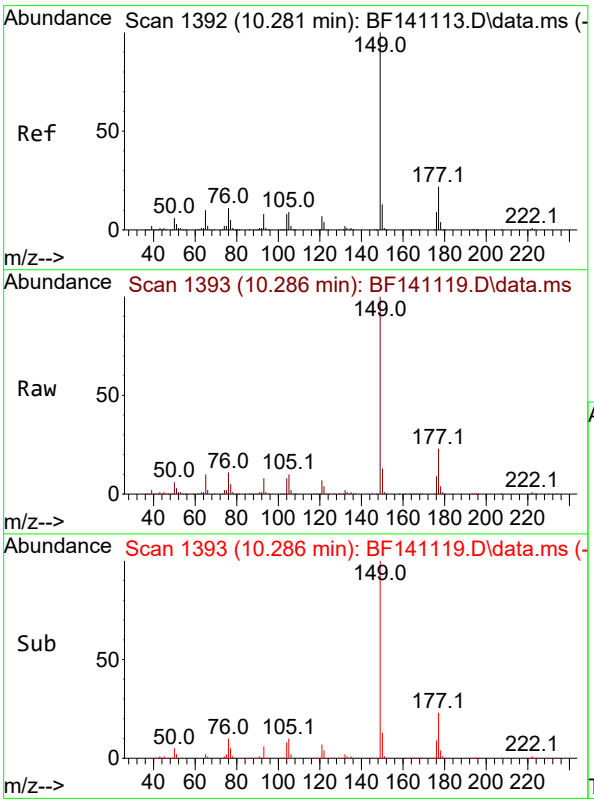
#59
2,3,4,6-Tetrachlorophenol
Concen: 73.631 ng
RT: 10.186 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:232 Resp: 428499

Ion	Ratio	Lower	Upper
232	100		
131	45.8	36.2	54.4
130	2.4	2.0	3.0
166	30.6	24.2	36.4

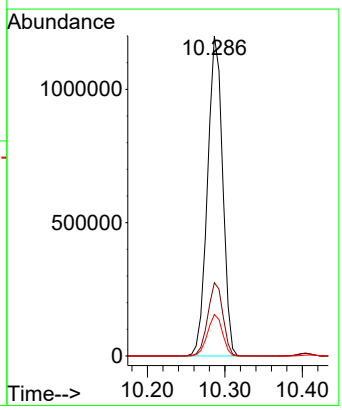


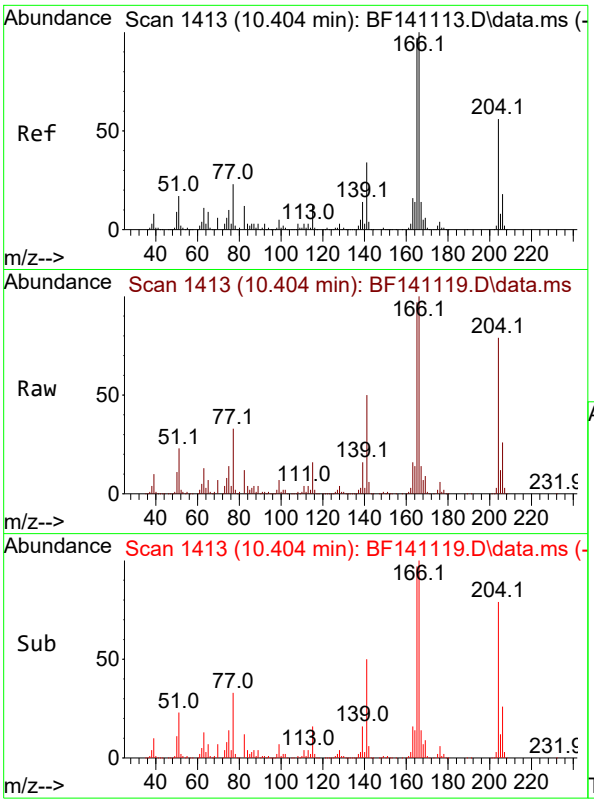


#60
Diethylphthalate
Concen: 72.366 ng
RT: 10.286 min Scan# 1393
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:149 Resp: 1624226

Ion	Ratio	Lower	Upper
149	100		
177	22.9	17.9	26.9
150	12.9	10.2	15.2



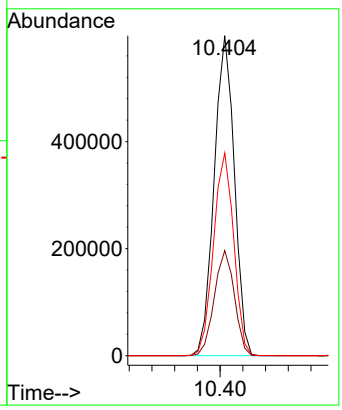


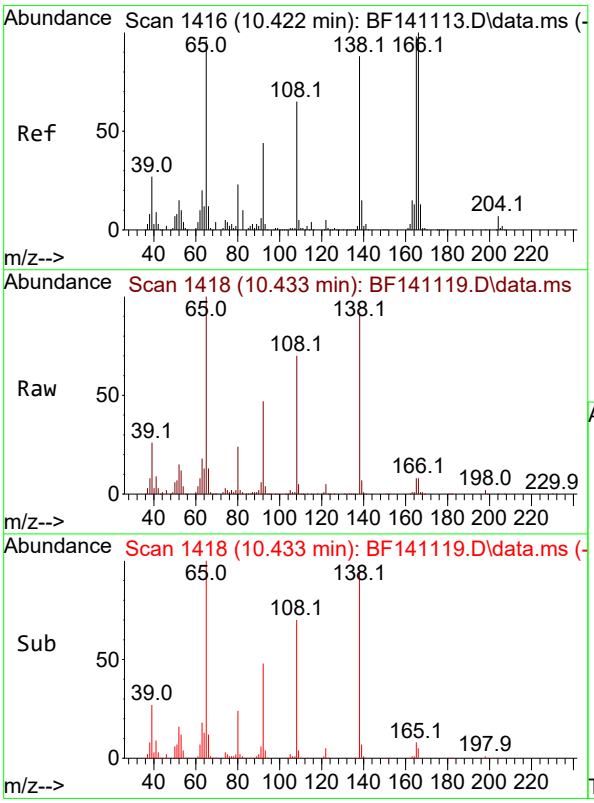
#61
4-Chlorophenyl-phenylether
Concen: 69.400 ng
RT: 10.404 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:204 Resp: 739051

Ion	Ratio	Lower	Upper
204	100		
206	32.8	25.9	38.9
141	63.4	49.1	73.7

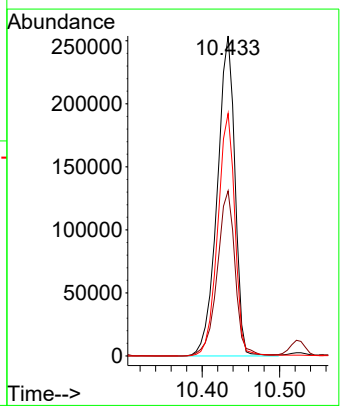


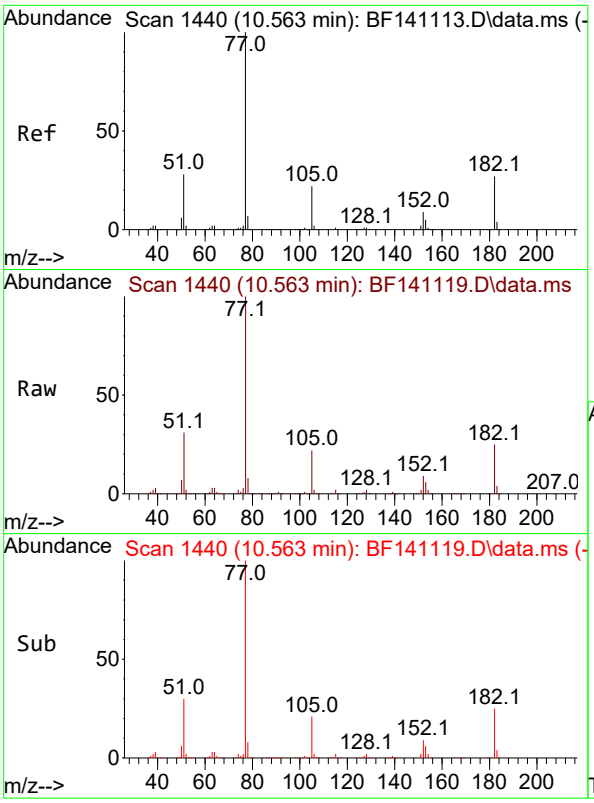


#62
4-Nitroaniline
Concen: 75.992 ng
RT: 10.433 min Scan# 1418
Delta R.T. 0.012 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:138 Resp: 404093

Ion	Ratio	Lower	Upper
138	100		
92	51.6	29.4	69.4
108	75.8	53.7	93.7



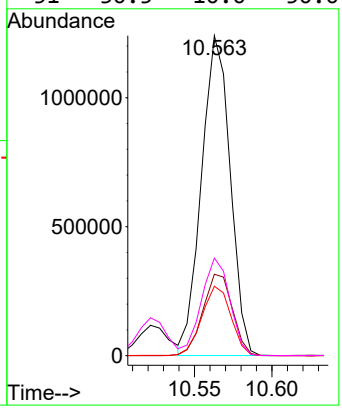


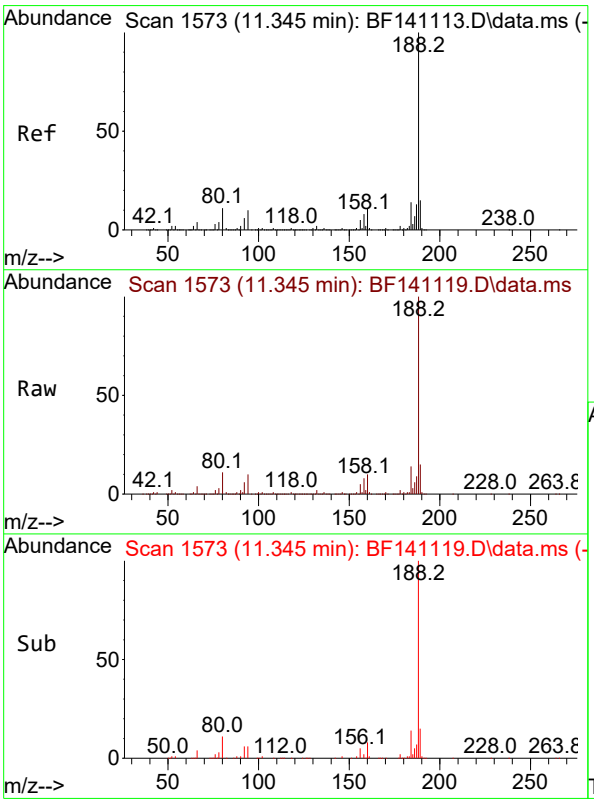
#63
Azobenzene
Concen: 72.150 ng
RT: 10.563 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 1597886

Ion	Ratio	Lower	Upper
77	100		
182	25.4	6.1	46.1
105	21.7	2.1	42.1
51	30.5	10.0	50.0

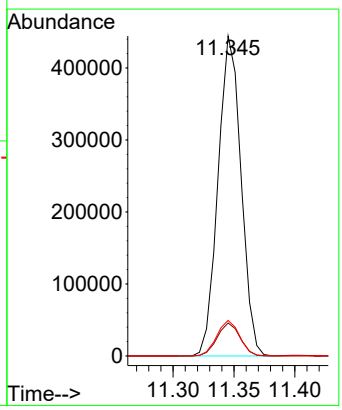


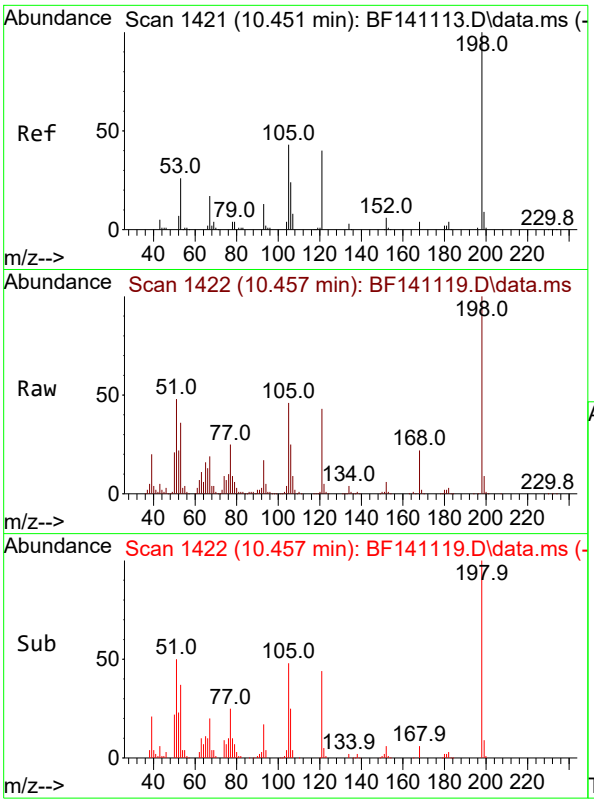


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:188 Resp: 584387

Ion	Ratio	Lower	Upper
188	100		
94	10.3	8.3	12.5
80	11.1	9.0	13.4



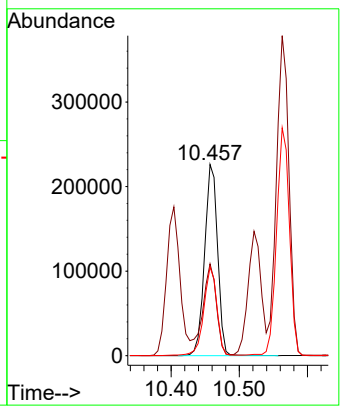


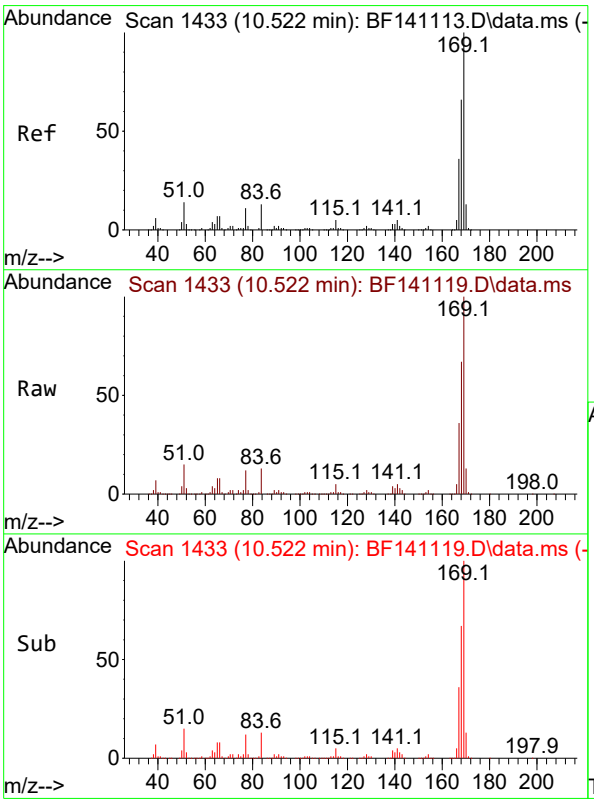
#65
4,6-Dinitro-2-methylphenol
Concen: 88.510 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:198 Resp: 299726

Ion	Ratio	Lower	Upper
198	100		
51	48.0	27.1	67.1
105	46.4	24.2	64.2

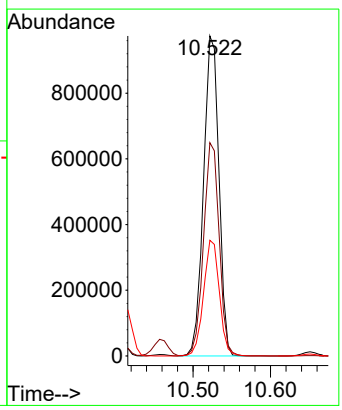


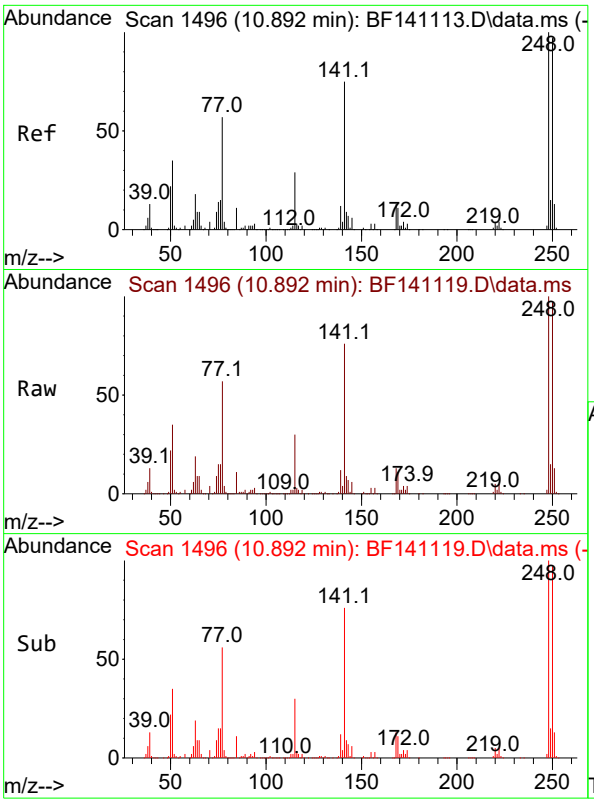


#66
n-Nitrosodiphenylamine
Concen: 71.129 ng
RT: 10.522 min Scan# 1433
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:169 Resp: 1340718

Ion	Ratio	Lower	Upper
169	100		
168	66.6	52.5	78.7
167	36.1	28.9	43.3



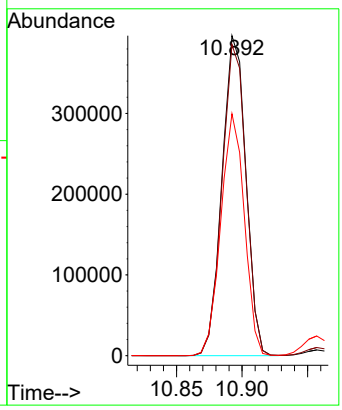


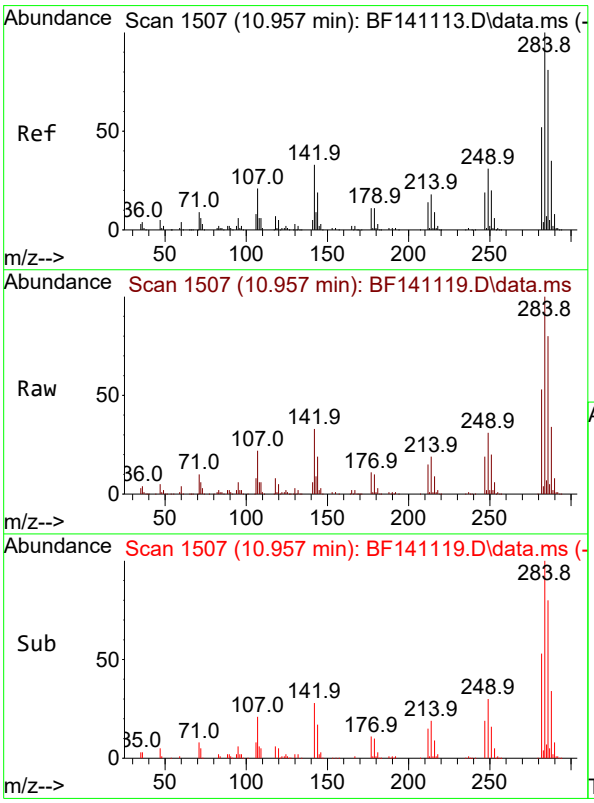
#67
4-Bromophenyl-phenylether
Concen: 74.715 ng
RT: 10.892 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:248 Resp: 502690

Ion	Ratio	Lower	Upper
248	100		
250	97.2	77.9	116.9
141	75.6	59.9	89.9

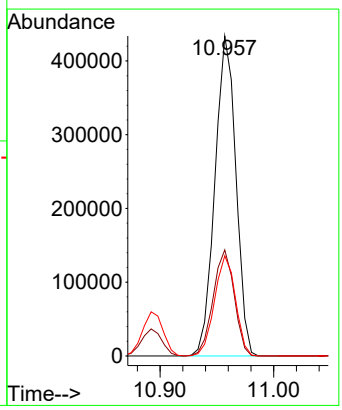


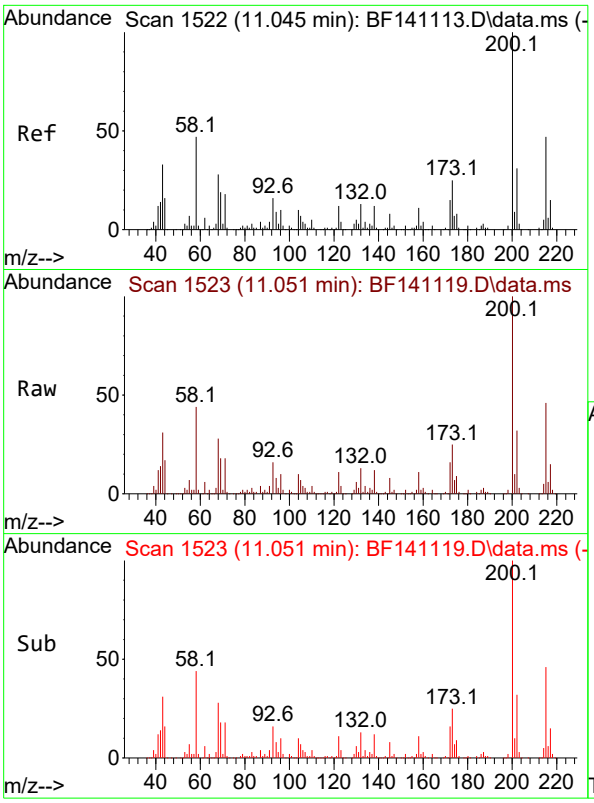


#68
Hexachlorobenzene
Concen: 74.464 ng
RT: 10.957 min Scan# 1507
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:284 Resp: 557705

Ion	Ratio	Lower	Upper
284	100		
142	33.2	26.3	39.5
249	31.3	24.9	37.3



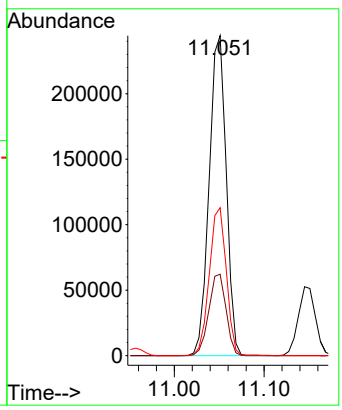


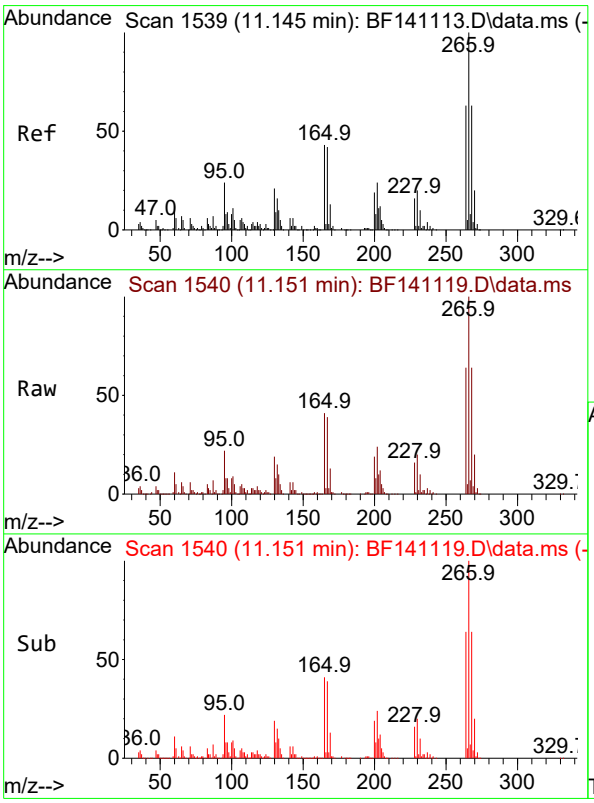
#69
Atrazine
Concen: 63.598 ng
RT: 11.051 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:200 Resp: 322778

Ion	Ratio	Lower	Upper
200	100		
173	25.4	5.4	45.4
215	46.3	26.6	66.6

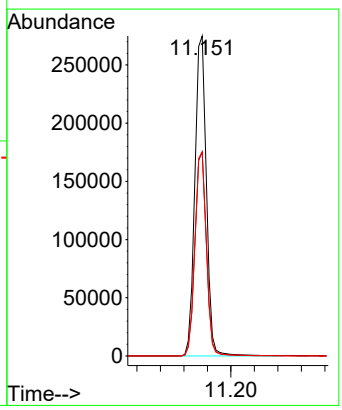


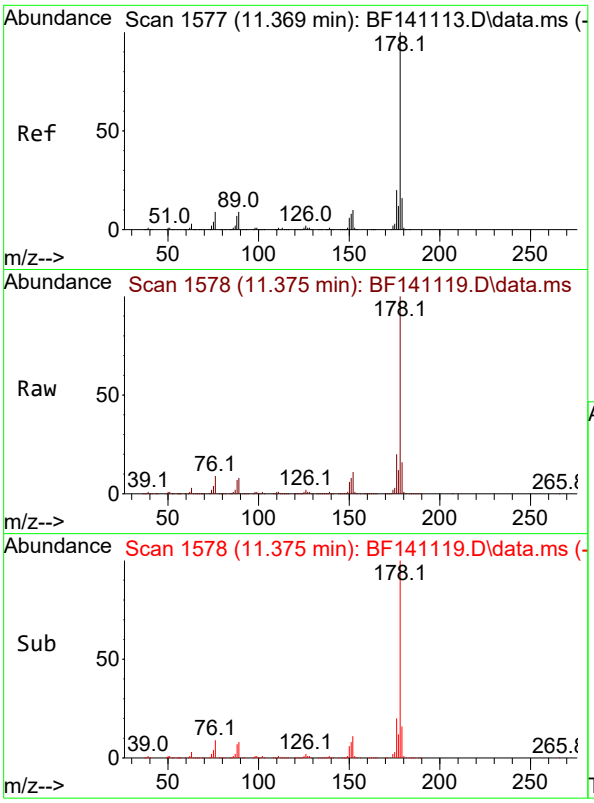


#70
Pentachlorophenol
Concen: 77.927 ng
RT: 11.151 min Scan# 1540
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:266 Resp: 373762

Ion	Ratio	Lower	Upper
266	100		
268	63.7	50.4	75.6
264	63.8	50.2	75.2



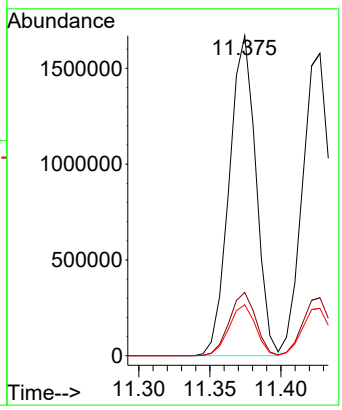


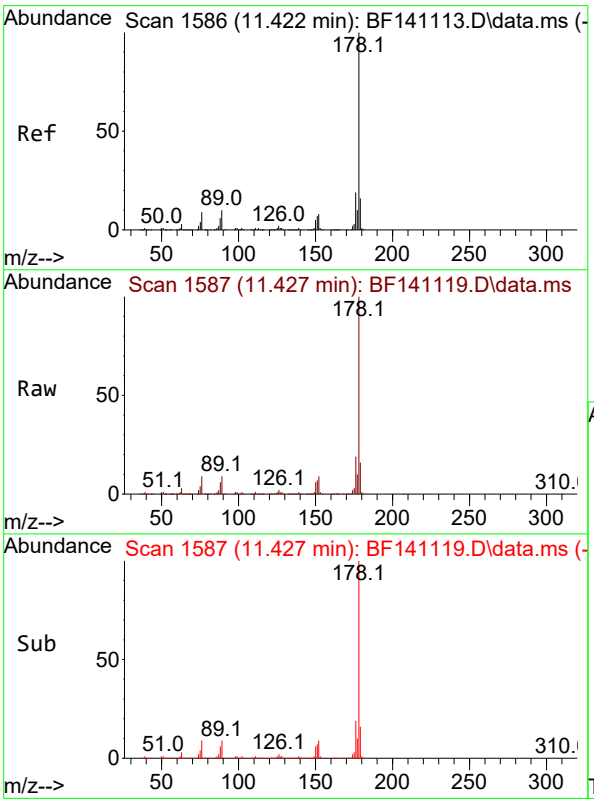
#71
Phenanthrene
Concen: 69.691 ng
RT: 11.375 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:178 Resp: 2186474

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.7	23.5
179	15.9	12.6	19.0

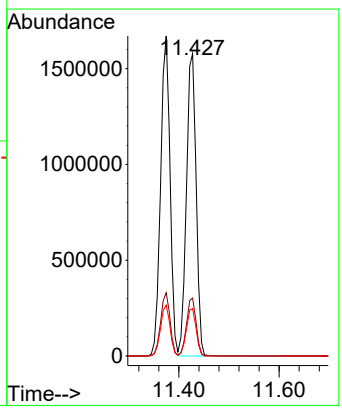


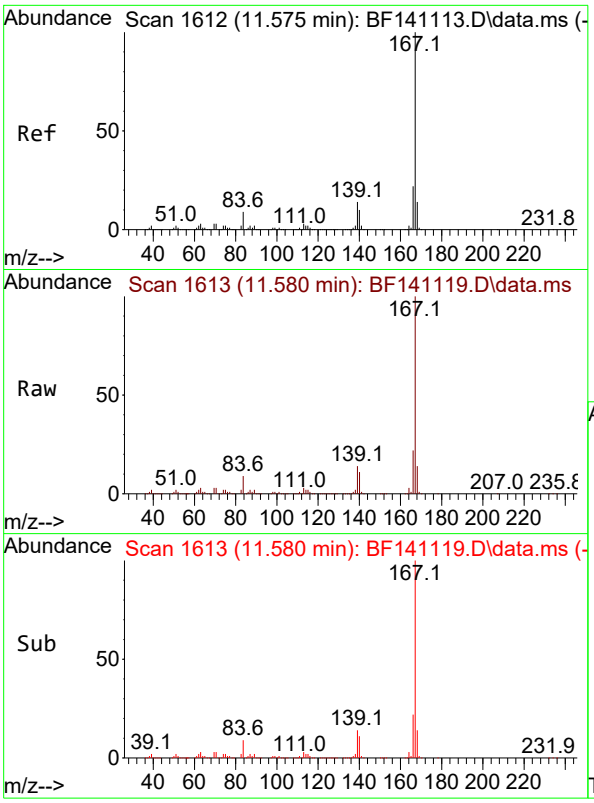


#72
Anthracene
Concen: 69.565 ng
RT: 11.427 min Scan# 1587
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:178 Resp: 2122167

Ion	Ratio	Lower	Upper
178	100		
176	19.2	14.9	22.3
179	15.7	12.6	19.0



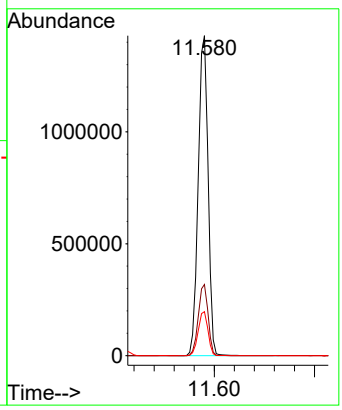


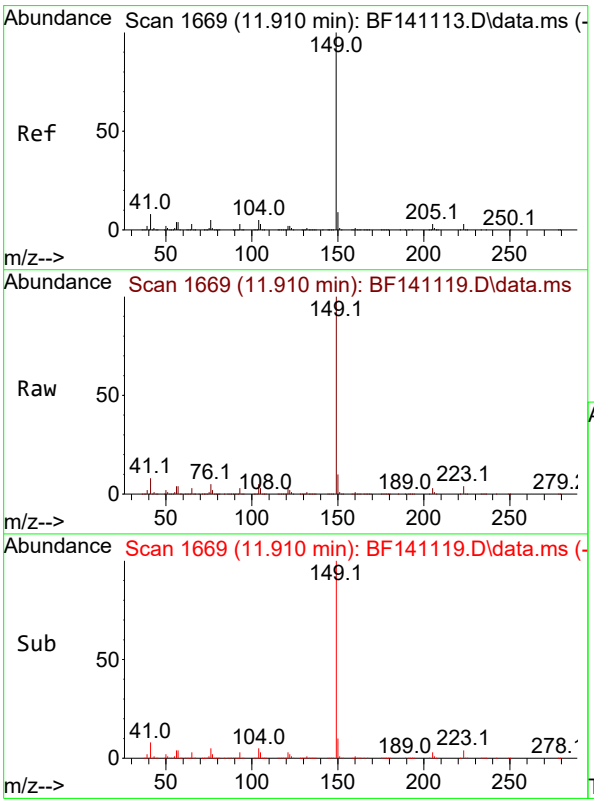
#73
Carbazole
Concen: 69.597 ng
RT: 11.580 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:167 Resp: 1946776

Ion	Ratio	Lower	Upper
167	100		
166	22.2	17.4	26.2
139	13.8	10.9	16.3

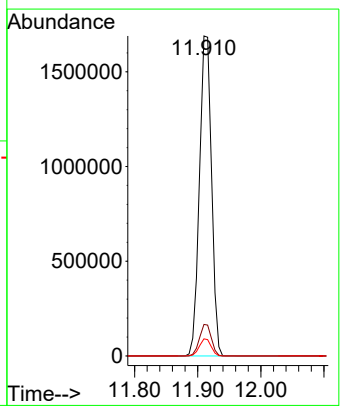


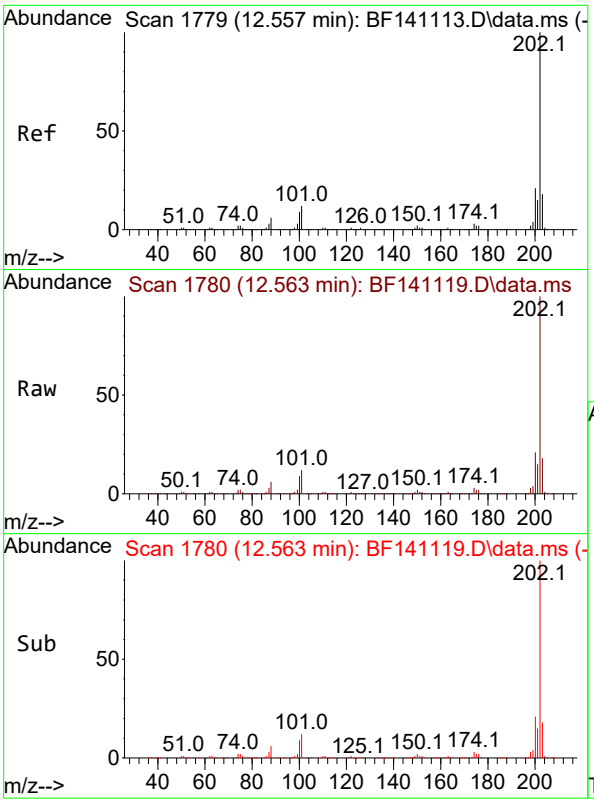


#74
Di-n-butylphthalate
Concen: 69.986 ng
RT: 11.910 min Scan# 1669
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:149 Resp: 2240405

Ion	Ratio	Lower	Upper
149	100		
150	9.8	7.4	11.2
104	5.4	4.2	6.2



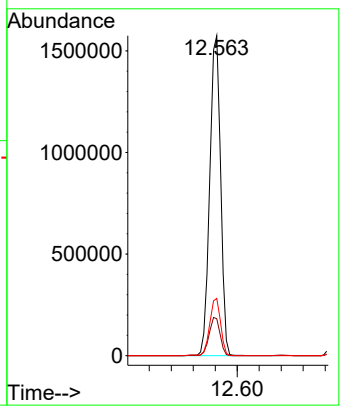


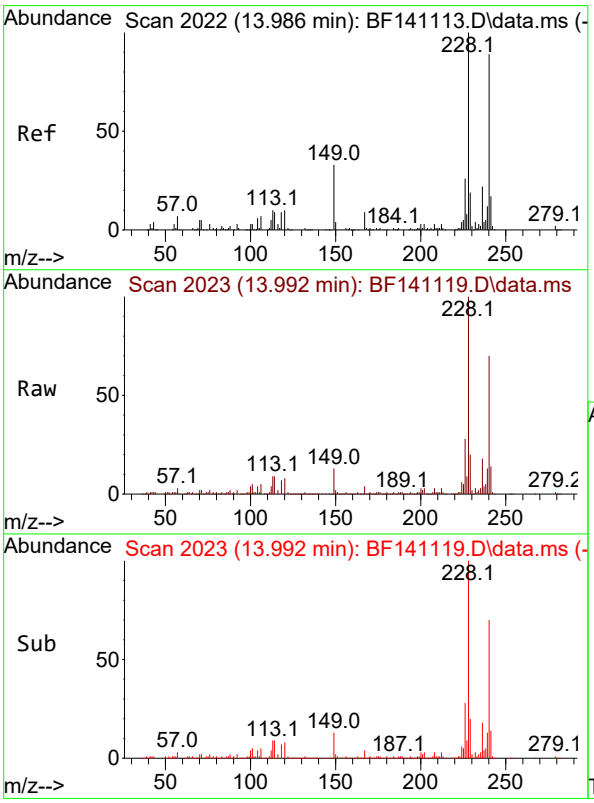
#75
Fluoranthene
Concen: 68.895 ng
RT: 12.563 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:202 Resp: 2156966

Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	32.3
203	17.9	0.0	37.7

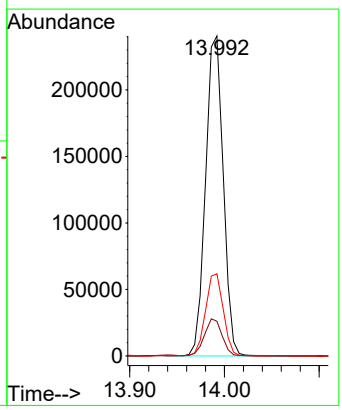


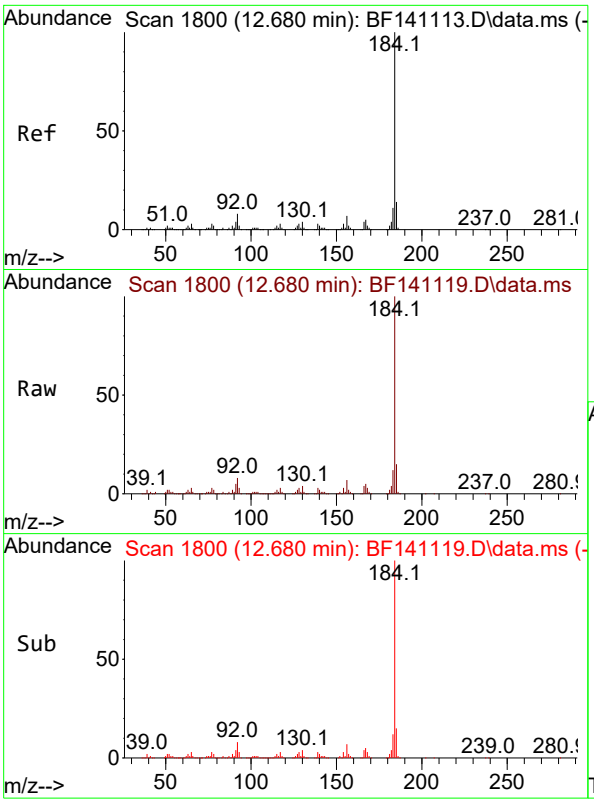


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.992 min Scan# 2023
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:240 Resp: 310879

Ion	Ratio	Lower	Upper
240	100		
120	10.8	9.1	13.7
236	25.7	19.8	29.6



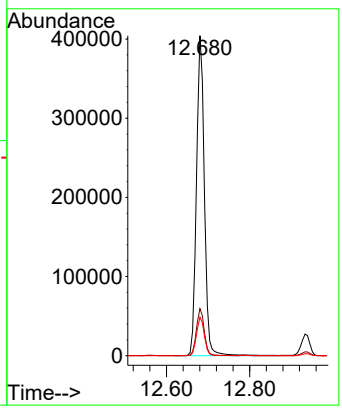


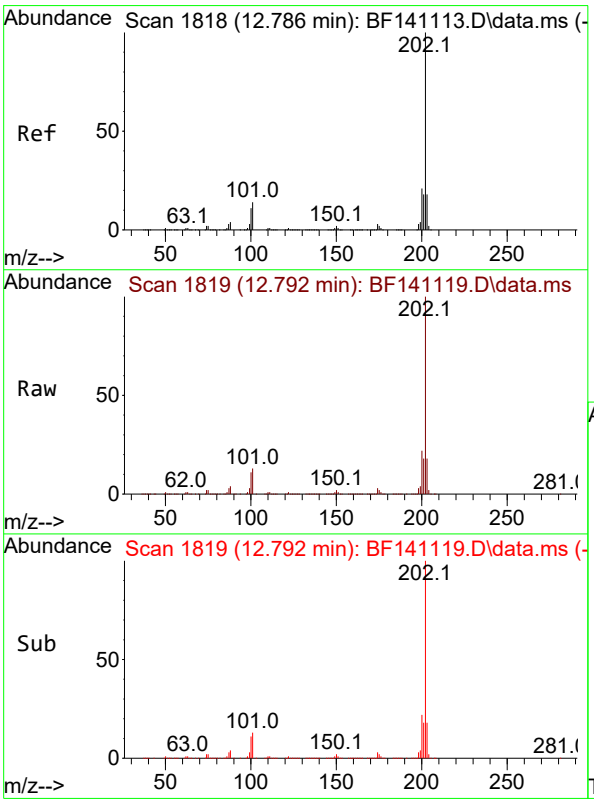
#77
Benzidine
Concen: 92.821 ng
RT: 12.680 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:184 Resp: 535121

Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.4	17.0
183	12.0	9.2	13.8

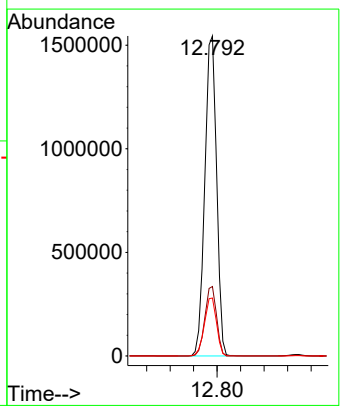


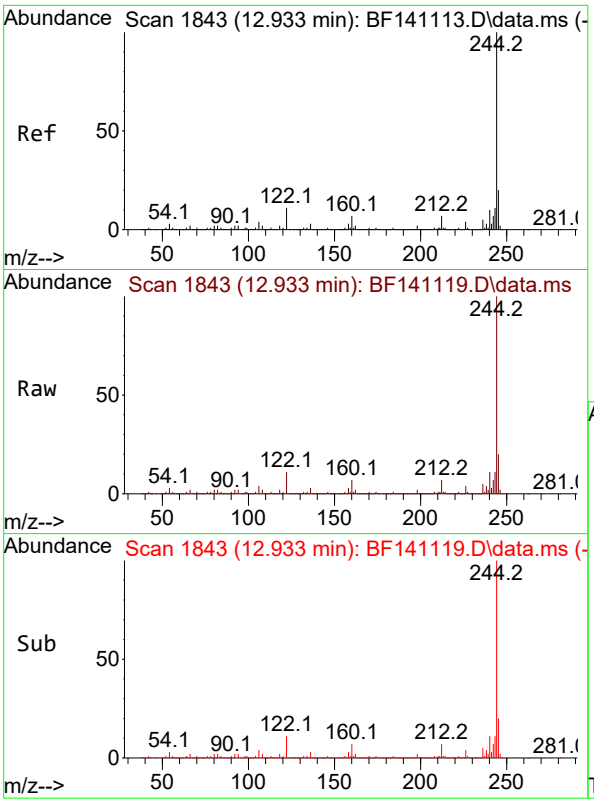


#78
Pyrene
Concen: 72.034 ng
RT: 12.792 min Scan# 1819
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:202 Resp: 2138910

Ion	Ratio	Lower	Upper
202	100		
200	21.7	16.8	25.2
203	18.1	14.3	21.5



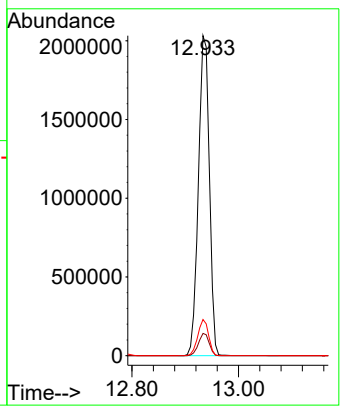


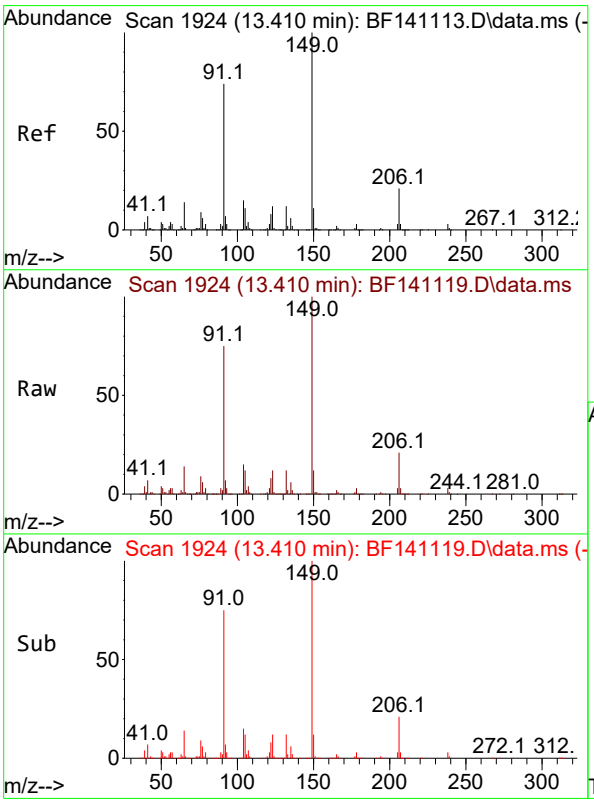
#79
Terphenyl-d14
Concen: 138.433 ng
RT: 12.933 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:244 Resp: 2895506

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.2
122	11.3	8.8	13.2

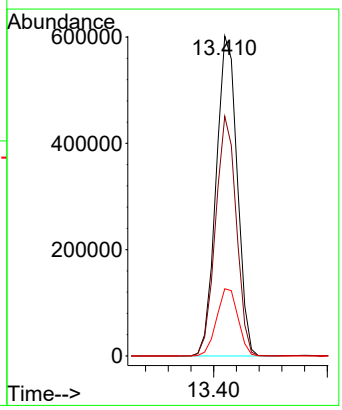


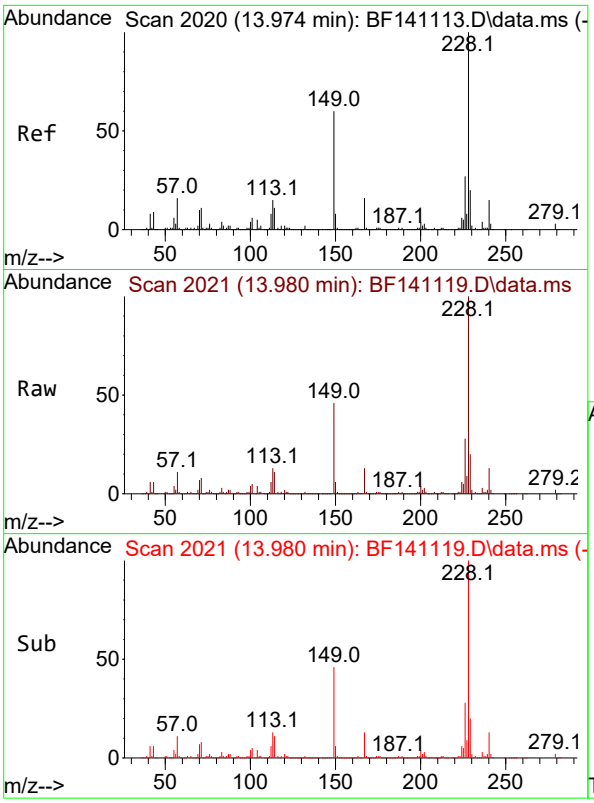


#80
Butylbenzylphthalate
Concen: 78.297 ng
RT: 13.410 min Scan# 1924
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:149 Resp: 775127

Ion	Ratio	Lower	Upper
149	100		
91	74.9	59.0	88.6
206	21.0	16.5	24.7



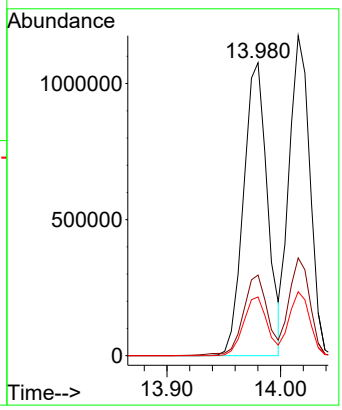


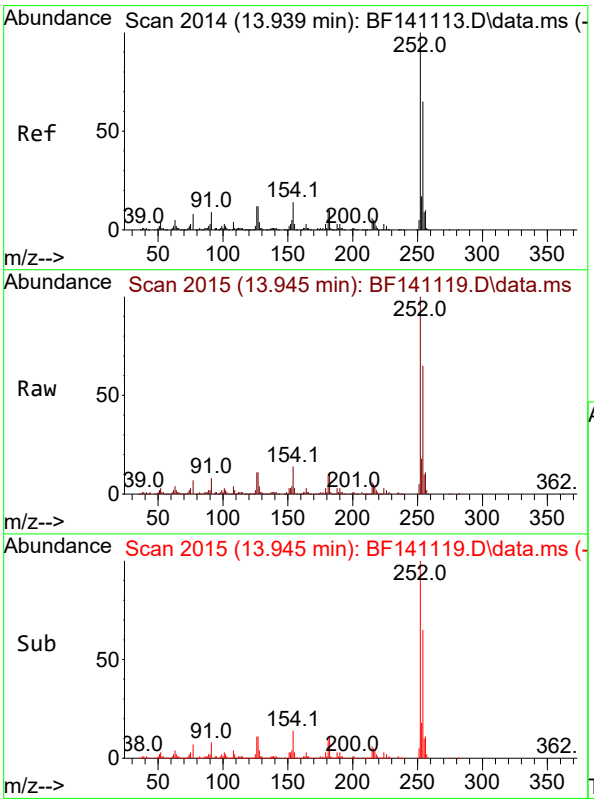
#81
Benzo(a)anthracene
Concen: 74.414 ng
RT: 13.980 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:228 Resp: 1574387

Ion	Ratio	Lower	Upper
228	100		
226	27.5	21.7	32.5
229	20.0	15.7	23.5

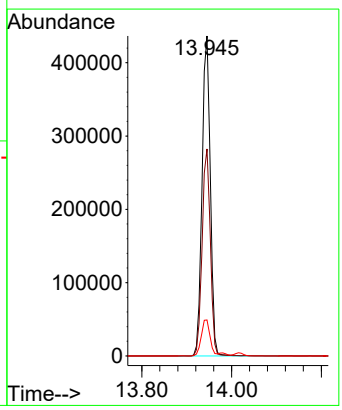


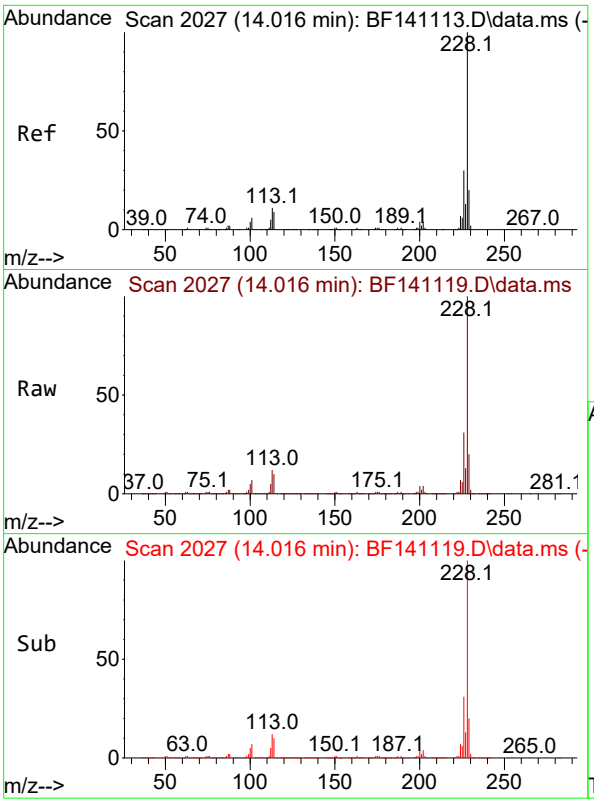


#82
3,3'-Dichlorobenzidine
Concen: 82.781 ng
RT: 13.945 min Scan# 2015
Delta R.T. 0.006 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:252 Resp: 557682

Ion	Ratio	Lower	Upper
252	100		
254	64.7	52.0	78.0
126	11.3	9.4	14.0



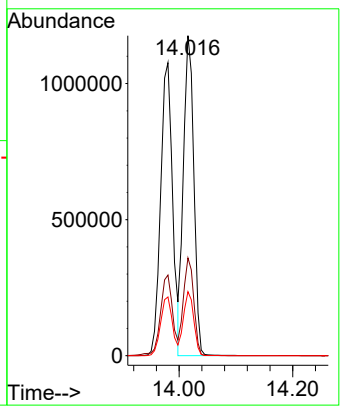


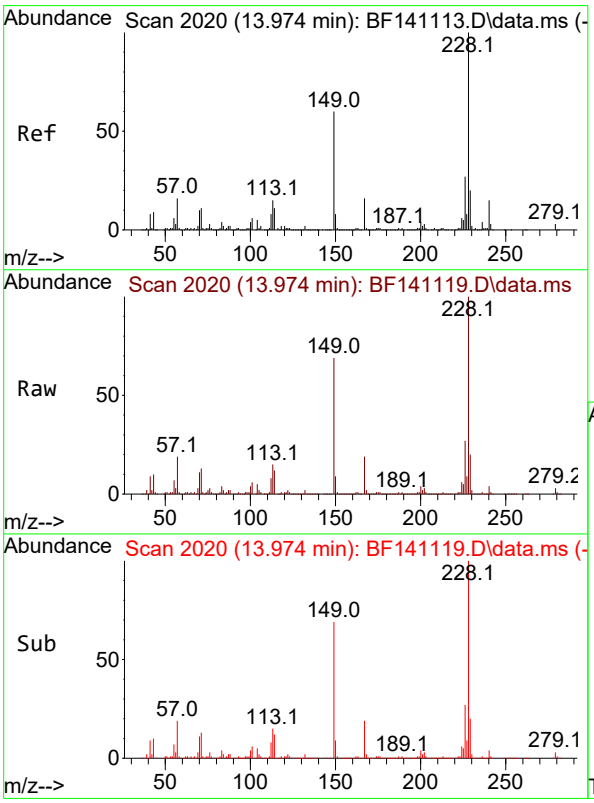
#83
Chrysene
Concen: 75.370 ng
RT: 14.016 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:228 Resp: 1492065

Ion	Ratio	Lower	Upper
228	100		
226	30.6	23.8	35.8
229	20.0	15.8	23.8

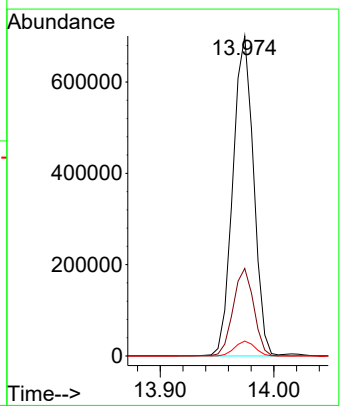


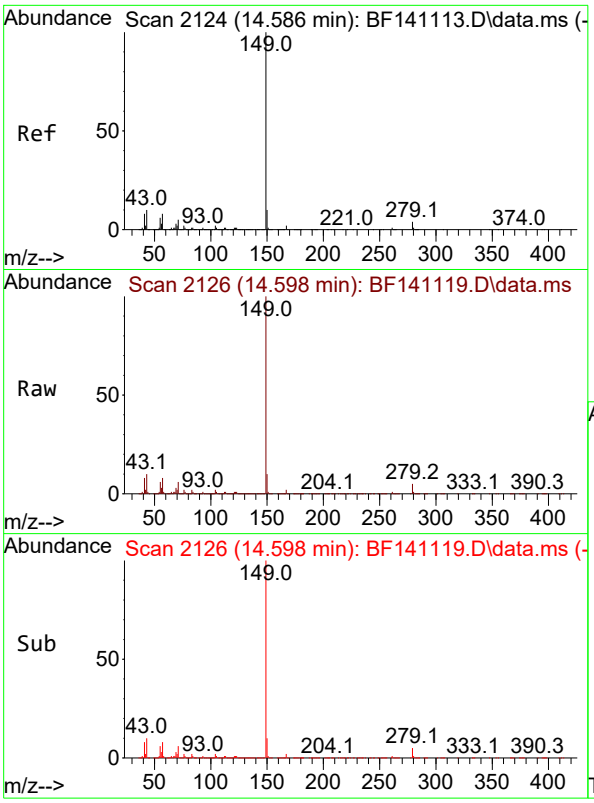


#84
Bis(2-ethylhexyl)phthalate
Concen: 74.589 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.000 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:149 Resp: 885991

Ion	Ratio	Lower	Upper
149	100		
167	27.3	21.4	32.2
279	4.7	3.4	5.2



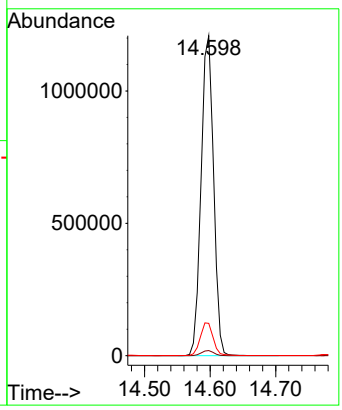


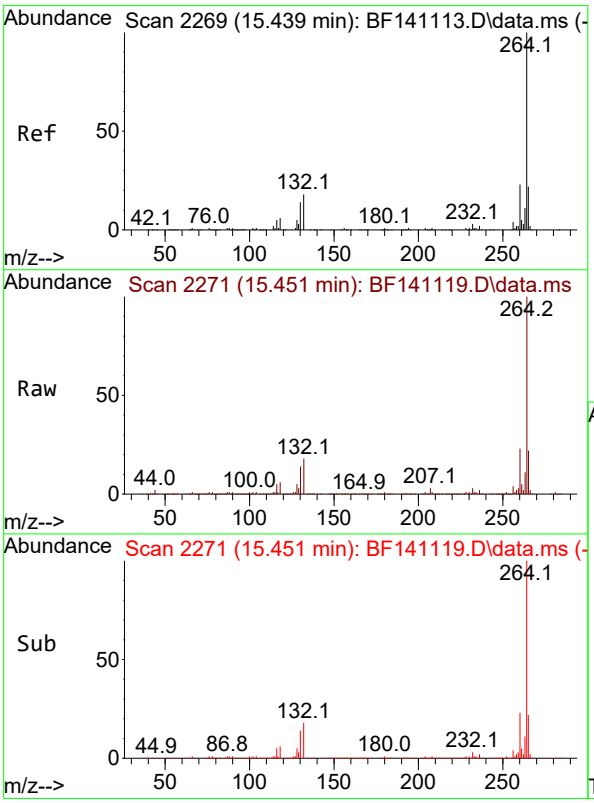
#85
Di-n-octyl phthalate
Concen: 89.471 ng
RT: 14.598 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 1604851

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	10.6	8.4	12.6

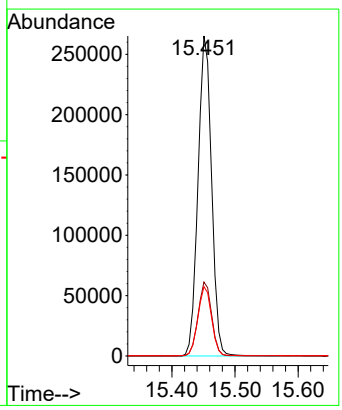


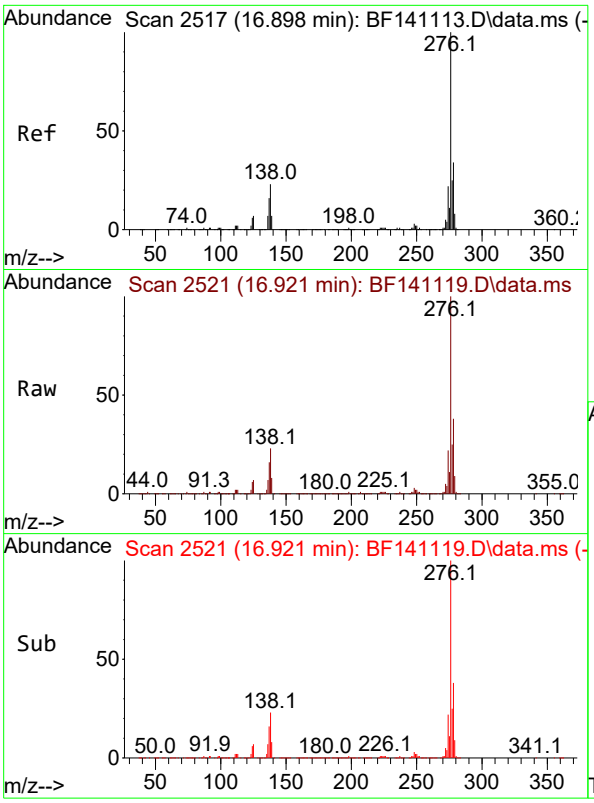


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.451 min Scan# 2271
Delta R.T. 0.012 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:264 Resp: 395988

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.6	28.0
265	21.7	17.4	26.0



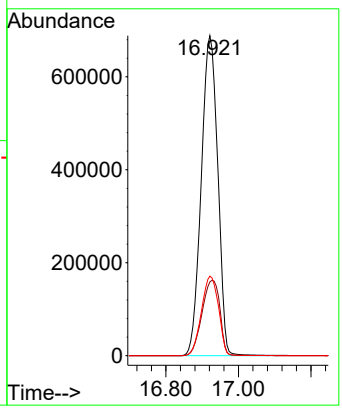


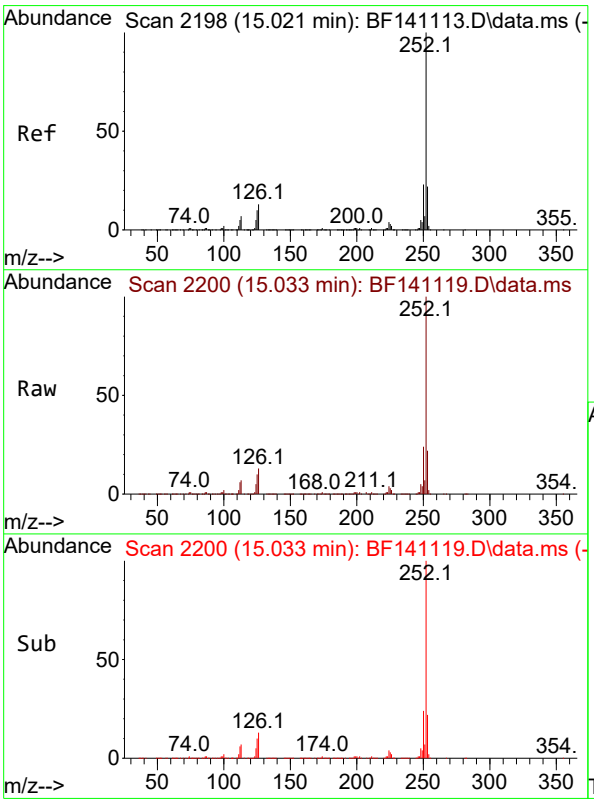
#87
Indeno(1,2,3-cd)pyrene
Concen: 75.032 ng
RT: 16.921 min Scan# 2
Delta R.T. 0.023 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:276 Resp: 2176761

Ion	Ratio	Lower	Upper
276	100		
138	25.5	20.7	31.1
277	25.7	20.6	30.8

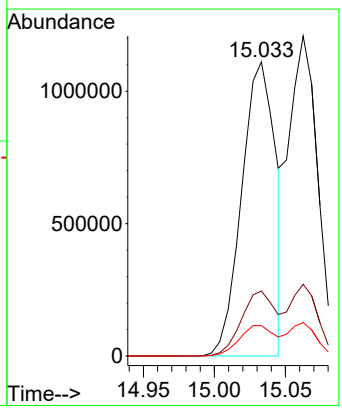


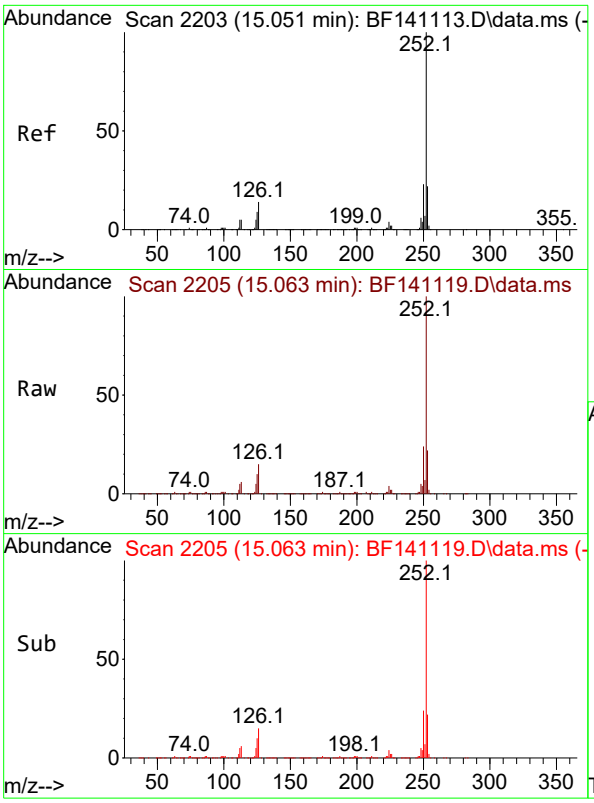


#88
Benzo(b)fluoranthene
Concen: 71.685 ng
RT: 15.033 min Scan# 2200
Delta R.T. 0.012 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:252 Resp: 1830448

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.6
125	10.3	8.1	12.1



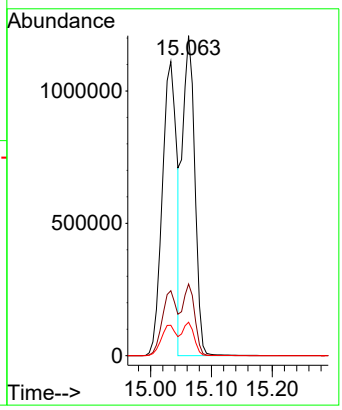


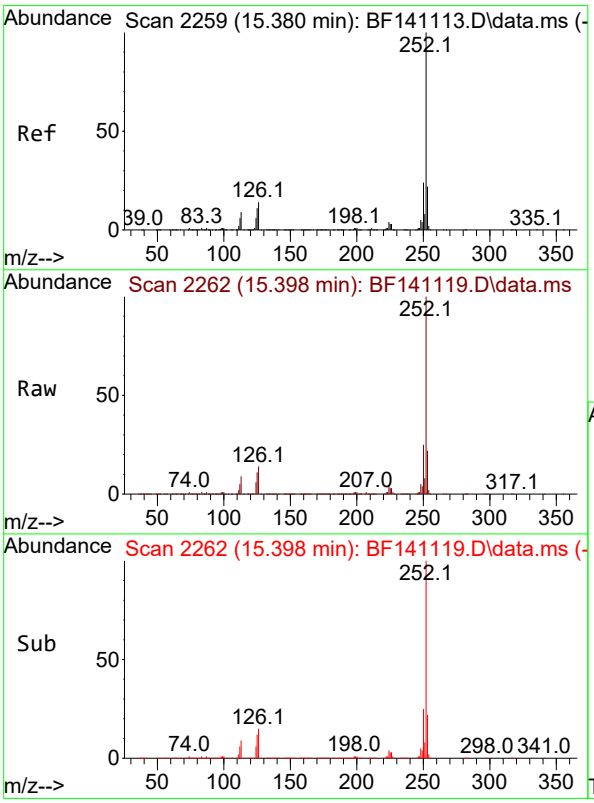
#89
Benzo(k)fluoranthene
Concen: 78.843 ng
RT: 15.063 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 1701343

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.8
125	10.5	7.9	11.9

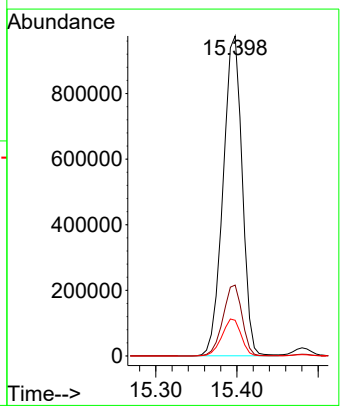


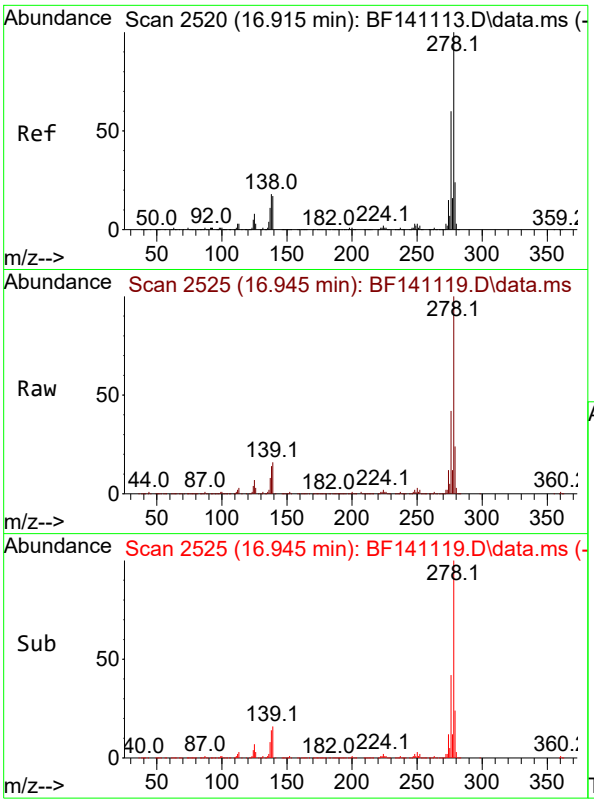


#90
Benzo(a)pyrene
Concen: 75.707 ng
RT: 15.398 min Scan# 2262
Delta R.T. 0.018 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:252 Resp: 1594959

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	11.1	9.1	13.7



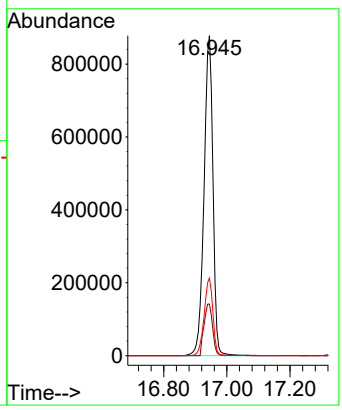


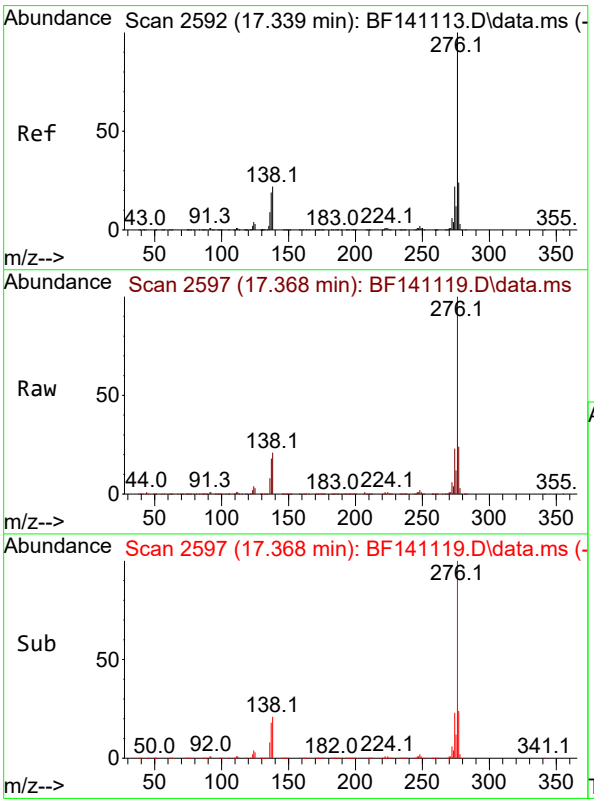
#91
Dibenzo(a,h)anthracene
Concen: 73.436 ng
RT: 16.945 min Scan# 2
Delta R.T. 0.029 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:278 Resp: 1723136

Ion	Ratio	Lower	Upper
278	100		
139	16.1	13.8	20.6
279	24.2	19.1	28.7

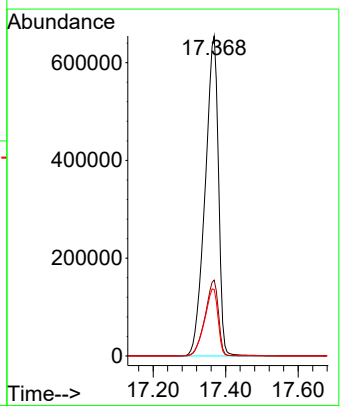




#92
Benzo(g,h,i)perylene
Concen: 68.190 ng
RT: 17.368 min Scan# 2597
Delta R.T. 0.029 min
Lab File: BF141119.D
Acq: 10 Jan 2025 17:45

Tgt Ion:276 Resp: 1664293

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.0	28.4
138	20.8	17.4	26.2



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141212.D
Acq On : 20 Jan 2025 10:37
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jan 20 11:30:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.810	152	179826	20.000	ng		-0.01
21) Naphthalene-d8	8.092	136	695851	20.000	ng		-0.01
39) Acenaphthene-d10	9.851	164	379338	20.000	ng		-0.01
64) Phenanthrene-d10	11.333	188	651777	20.000	ng		-0.01
76) Chrysene-d12	13.974	240	435133	20.000	ng		-0.01
86) Perylene-d12	15.439	264	378255	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.416	112	887765	76.264	ng		-0.01
7) Phenol-d6	6.445	99	1130564	76.672	ng		0.00
23) Nitrobenzene-d5	7.375	82	1035446	78.878	ng		-0.01
42) 2,4,6-Tribromophenol	10.639	330	369885	85.576	ng		-0.01
45) 2-Fluorobiphenyl	9.169	172	1919585	77.274	ng		-0.01
79) Terphenyl-d14	12.922	244	2168767	74.080	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.516	88	195619	37.737	ng		98
3) Pyridine	3.257	79	459371	36.137	ng		96
4) n-Nitrosodimethylamine	3.210	42	233464	37.561	ng		97
6) Aniline	6.475	93	431972	32.996	ng		95
8) 2-Chlorophenol	6.598	128	487756	39.055	ng		98
9) Benzaldehyde	6.363	77	397188	45.735	ng		97
10) Phenol	6.457	94	596553	37.794	ng		94
11) bis(2-Chloroethyl)ether	6.551	93	451773	38.405	ng		97
12) 1,3-Dichlorobenzene	6.751	146	551187	39.571	ng		98
13) 1,4-Dichlorobenzene	6.828	146	547534	39.008	ng		100
14) 1,2-Dichlorobenzene	6.981	146	512367	39.132	ng		99
15) Benzyl Alcohol	6.951	79	419104	39.357	ng		100
16) 2,2'-oxybis(1-Chloropr...	7.087	45	591272	36.020	ng		95
17) 2-Methylphenol	7.063	107	391980	38.876	ng		99
18) Hexachloroethane	7.322	117	198518	39.109	ng		98
19) n-Nitroso-di-n-propyla...	7.228	70	327309	37.682	ng		98
20) 3+4-Methylphenols	7.222	107	490374	38.549	ng	#	80
22) Acetophenone	7.222	105	640268	38.705	ng		95
24) Nitrobenzene	7.398	77	534584	39.074	ng		98
25) Isophorone	7.634	82	883042	39.362	ng		99
26) 2-Nitrophenol	7.710	139	261219	41.973	ng		98
27) 2,4-Dimethylphenol	7.745	122	331024	39.434	ng		99
28) bis(2-Chloroethoxy)met...	7.845	93	549992	39.065	ng		100
29) 2,4-Dichlorophenol	7.951	162	405510	40.674	ng		99
30) 1,2,4-Trichlorobenzene	8.034	180	454226	39.859	ng		100
31) Naphthalene	8.116	128	1443445	39.335	ng		100
32) Benzoic acid	7.863	122	349410	43.391	ng		98
33) 4-Chloroaniline	8.169	127	442472	34.865	ng		99
34) Hexachlorobutadiene	8.234	225	275485	40.119	ng		99
35) Caprolactam	8.534	113	133817	40.997	ng		98
36) 4-Chloro-3-methylphenol	8.645	107	443278	40.655	ng		100
37) 2-Methylnaphthalene	8.804	142	926865	39.636	ng		100
38) 1-Methylnaphthalene	8.904	142	910731	39.518	ng		99
40) 1,2,4,5-Tetrachloroben...	8.969	216	431864	39.665	ng		100
41) Hexachlorocyclopentadiene	8.957	237	148460	41.678	ng		99
43) 2,4,6-Trichlorophenol	9.081	196	303577	41.342	ng		100

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141212.D
Acq On : 20 Jan 2025 10:37
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jan 20 11:30:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

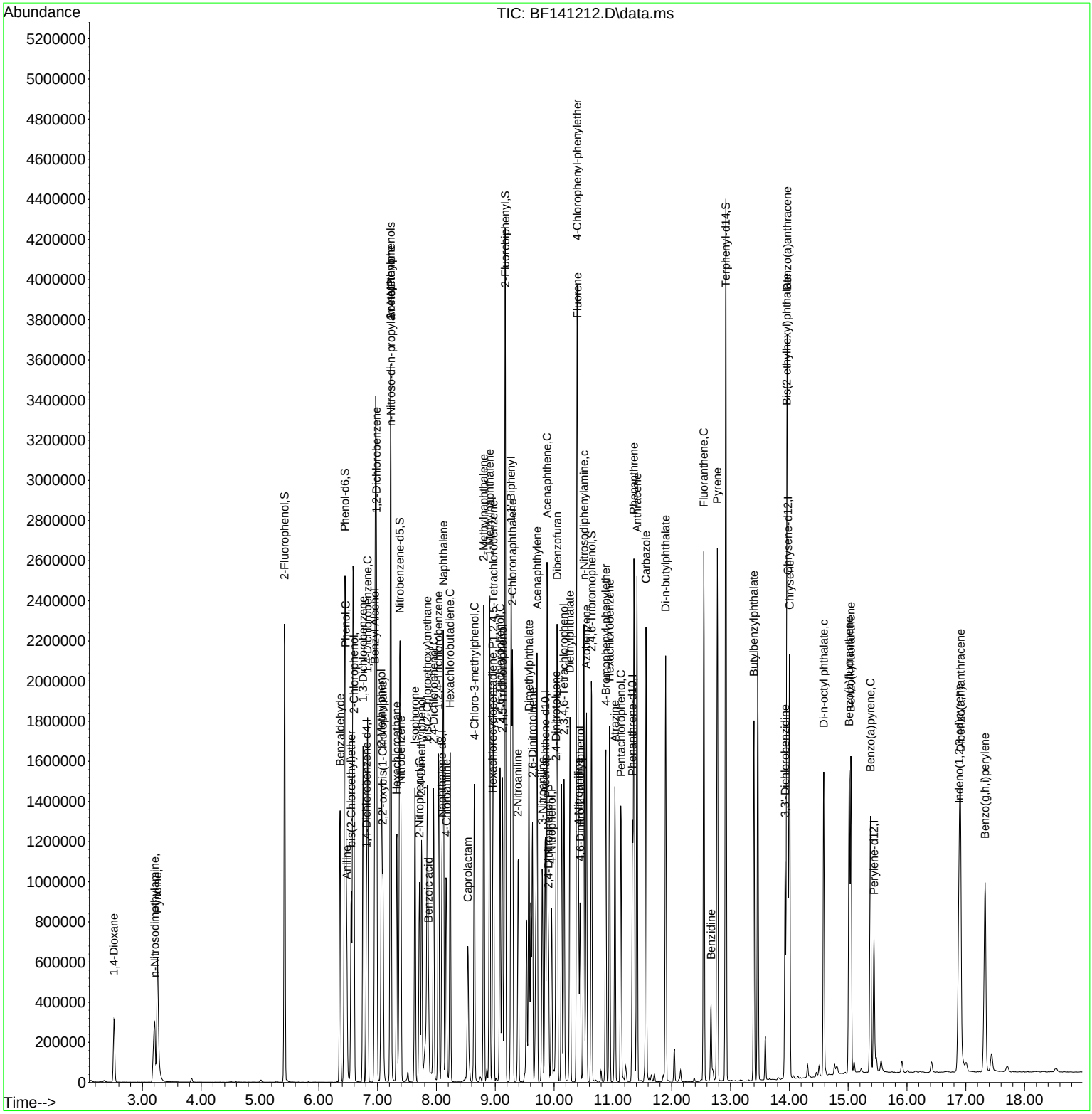
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.122	196	309532	39.913	ng	98
46) 1,1'-Biphenyl	9.269	154	1147801	38.962	ng	99
47) 2-Chloronaphthalene	9.292	162	898296	39.150	ng	100
48) 2-Nitroaniline	9.386	65	269989	39.694	ng	98
49) Acenaphthylene	9.710	152	1284397	39.180	ng	100
50) Dimethylphthalate	9.575	163	1010444	39.677	ng	100
51) 2,6-Dinitrotoluene	9.633	165	238558	40.283	ng	98
52) Acenaphthene	9.881	154	914414	39.925	ng	99
53) 3-Nitroaniline	9.798	138	243673	40.490	ng	97
54) 2,4-Dinitrophenol	9.904	184	130404	46.326	ng	93
55) Dibenzofuran	10.051	168	1219686	39.152	ng	99
56) 4-Nitrophenol	9.957	139	198979	42.217	ng	99
57) 2,4-Dinitrotoluene	10.033	165	320306	41.969	ng	98
58) Fluorene	10.398	166	955100	39.463	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.169	232	264691	41.061	ng	99
60) Diethylphthalate	10.269	149	991777	39.892	ng	100
61) 4-Chlorophenyl-phenyle...	10.392	204	470770	39.909	ng	100
62) 4-Nitroaniline	10.416	138	249961	42.436	ng	99
63) Azobenzene	10.551	77	946738	38.592	ng	98
65) 4,6-Dinitro-2-methylph...	10.445	198	182578	48.341	ng	94
66) n-Nitrosodiphenylamine	10.510	169	830832	39.521	ng	99
67) 4-Bromophenyl-phenylether	10.880	248	307567	40.988	ng	98
68) Hexachlorobenzene	10.945	284	350408	41.949	ng	97
69) Atrazine	11.033	200	259196	45.790	ng	99
70) Pentachlorophenol	11.139	266	230220	43.036	ng	99
71) Phenanthrene	11.357	178	1401546	40.054	ng	99
72) Anthracene	11.410	178	1386401	40.747	ng	100
73) Carbazole	11.563	167	1288279	41.294	ng	100
74) Di-n-butylphthalate	11.898	149	1507420	42.220	ng	100
75) Fluoranthene	12.545	202	1506192	43.134	ng	99
77) Benzidine	12.669	184	226849	28.113	ng	100
78) Pyrene	12.774	202	1510983	36.356	ng	99
80) Butylbenzylphthalate	13.398	149	575326	41.520	ng	98
81) Benzo(a)anthracene	13.963	228	1133698	38.283	ng	99
82) 3,3'-Dichlorobenzidine	13.927	252	328537	34.842	ng	99
83) Chrysene	14.004	228	1014991	36.630	ng	100
84) Bis(2-ethylhexyl)phtha...	13.957	149	690140	41.510	ng	100
85) Di-n-octyl phthalate	14.586	149	998346	39.765	ng	98
87) Indeno(1,2,3-cd)pyrene	16.886	276	1035784	37.377	ng	98
88) Benzo(b)fluoranthene	15.015	252	1010647	41.435	ng	99
89) Benzo(k)fluoranthene	15.045	252	820048	39.784	ng	100
90) Benzo(a)pyrene	15.380	252	809044	40.203	ng	99
91) Dibenzo(a,h)anthracene	16.909	278	844969	37.699	ng	98
92) Benzo(g,h,i)perylene	17.327	276	857662	36.788	ng	99

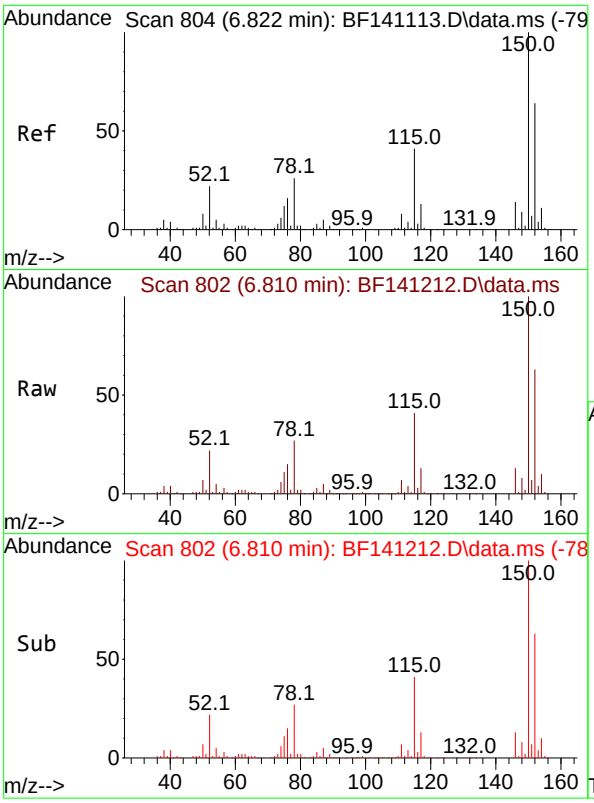
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141212.D
Acq On : 20 Jan 2025 10:37
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: Jan 20 11:30:02 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration



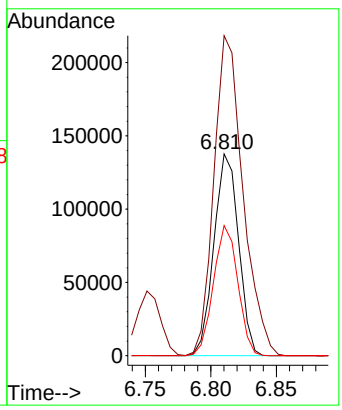


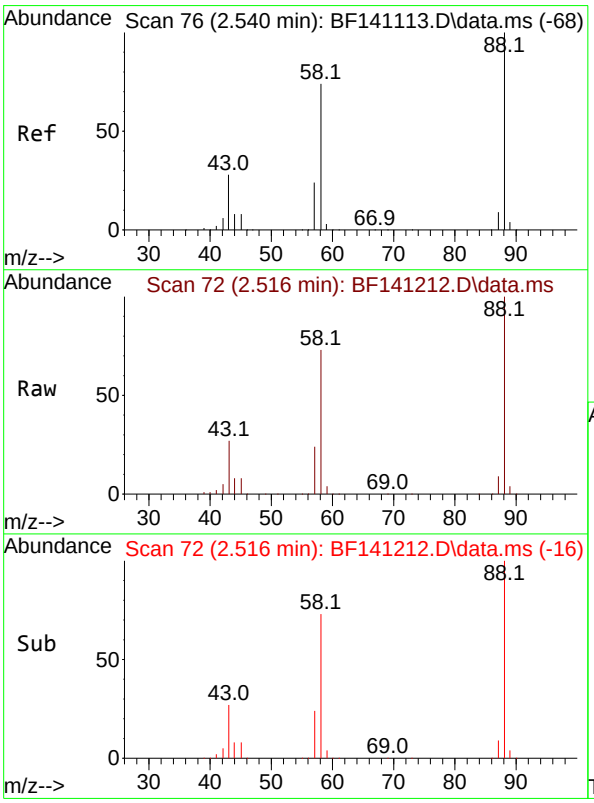
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 179826

Ion	Ratio	Lower	Upper
152	100		
150	158.6	125.8	188.8
115	64.4	51.4	77.2

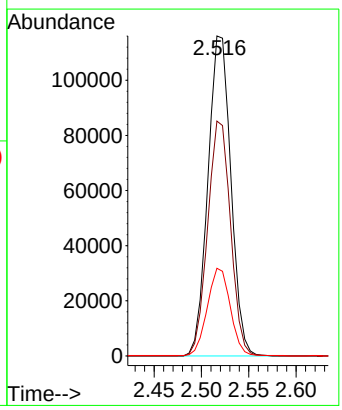


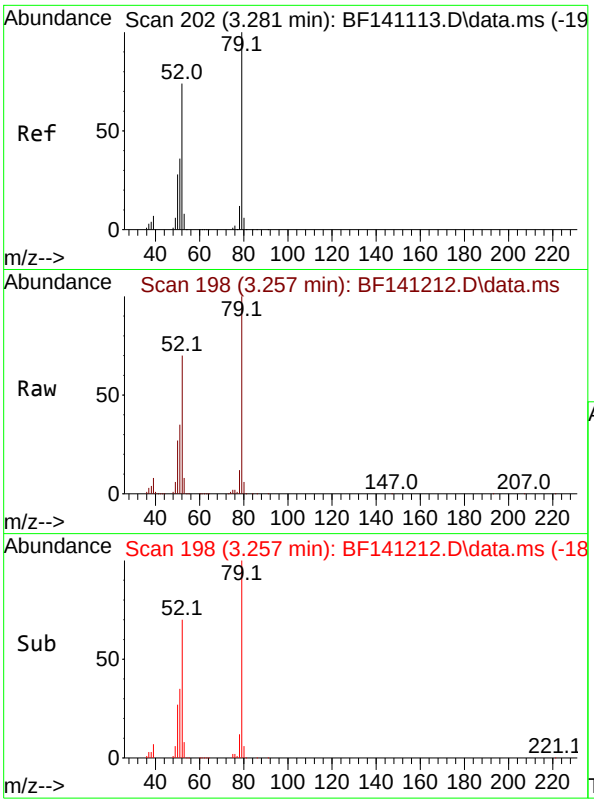


#2
1,4-Dioxane
Concen: 37.737 ng
RT: 2.516 min Scan# 72
Delta R.T. -0.024 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion: 88 Resp: 195619

Ion	Ratio	Lower	Upper
88	100		
58	73.0	60.1	90.1
43	27.8	23.1	34.7



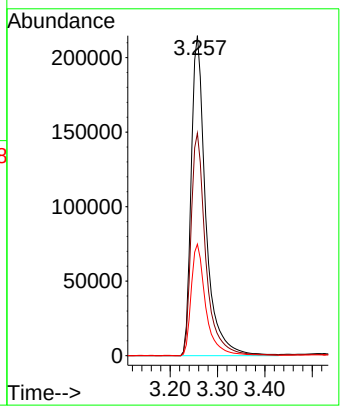


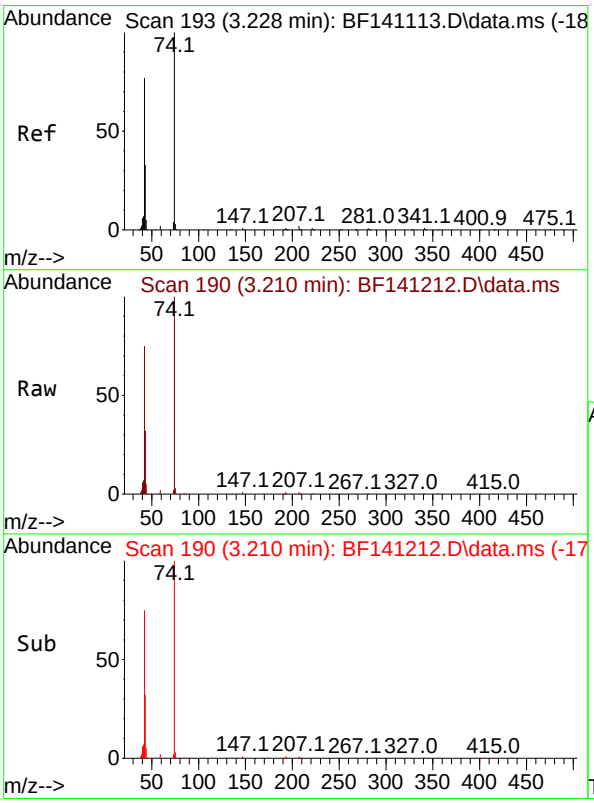
#3
Pyridine
Concen: 36.137 ng
RT: 3.257 min Scan# 1
Delta R.T. -0.024 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 459371

Ion	Ratio	Lower	Upper
79	100		
52	69.5	58.9	88.3
51	34.8	29.1	43.7

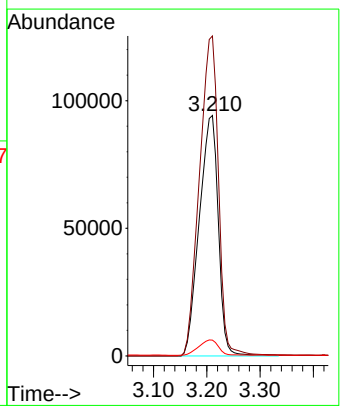


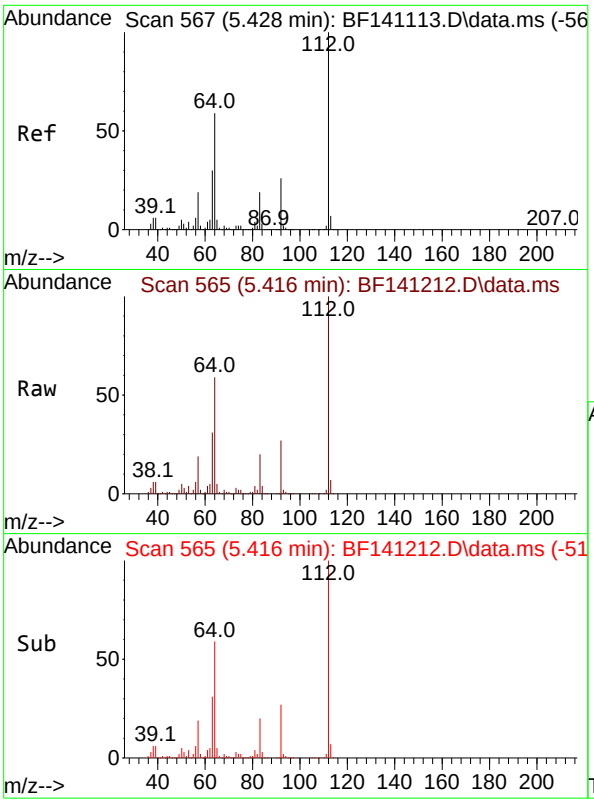


#4
n-Nitrosodimethylamine
Concen: 37.561 ng
RT: 3.210 min Scan# 190
Delta R.T. -0.018 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion: 42 Resp: 233464

Ion	Ratio	Lower	Upper
42	100		
74	133.1	103.8	155.6
44	6.6	5.3	7.9



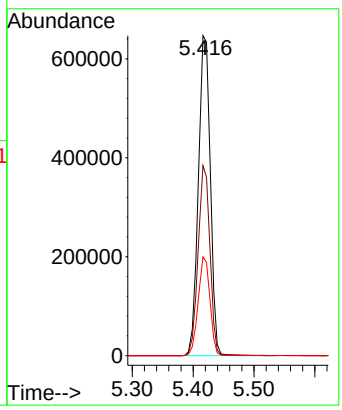


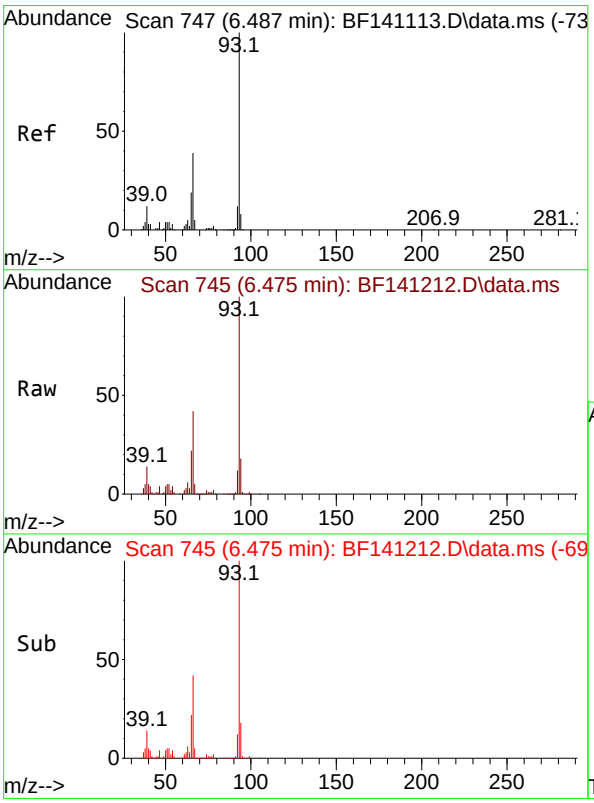
#5
2-Fluorophenol
Concen: 76.264 ng
RT: 5.416 min Scan# 5
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 887765

Ion	Ratio	Lower	Upper
112	100		
64	59.4	47.3	70.9
63	30.9	24.2	36.2

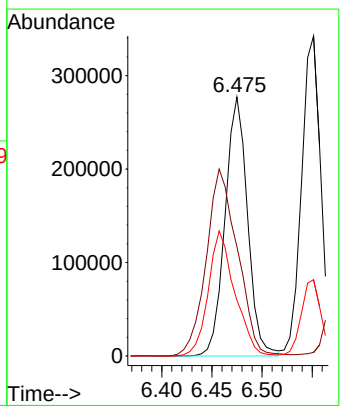


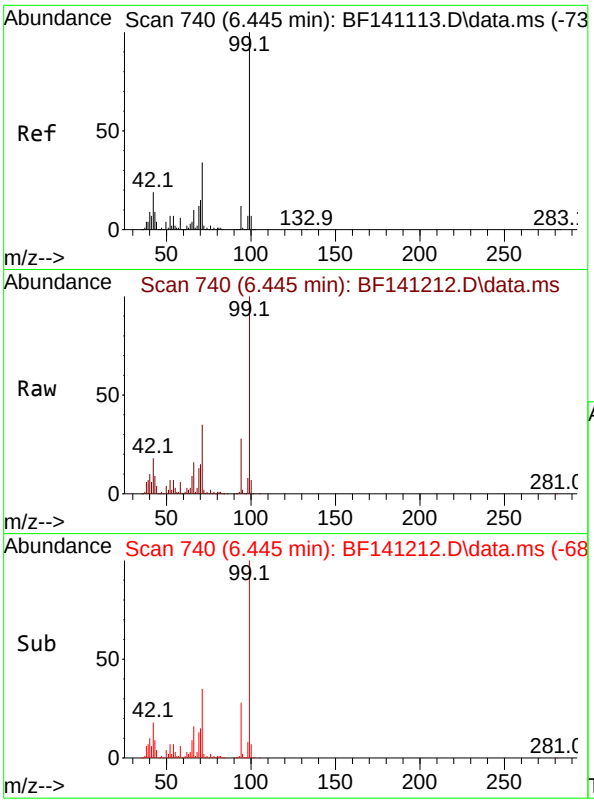


#6
Aniline
Concen: 32.996 ng
RT: 6.475 min Scan# 745
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion: 93 Resp: 431972

Ion	Ratio	Lower	Upper
93	100		
66	42.2	31.5	47.3
65	21.5	15.3	22.9



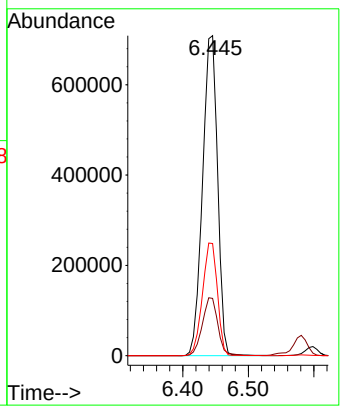


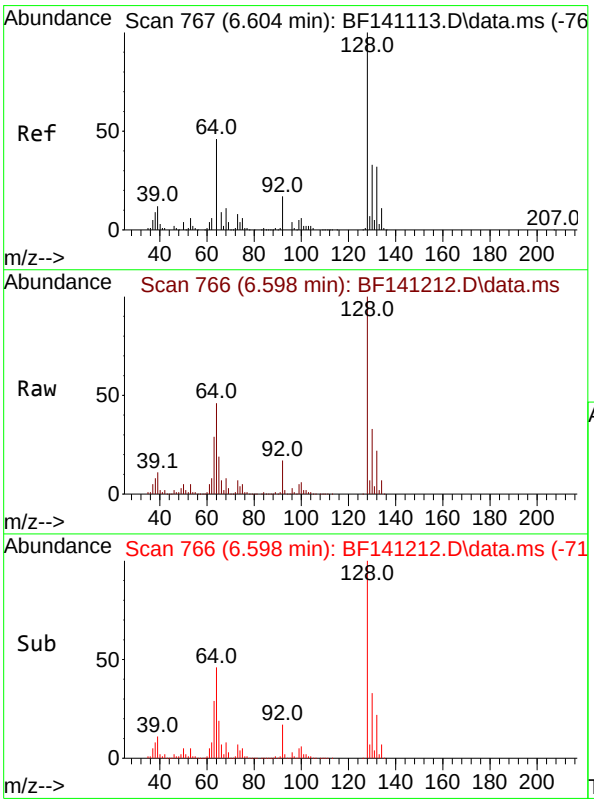
#7
Phenol-d6
Concen: 76.672 ng
RT: 6.445 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 1130564

Ion	Ratio	Lower	Upper
99	100		
42	17.9	15.0	22.4
71	35.0	27.6	41.4

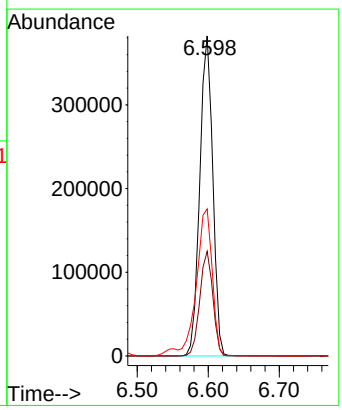


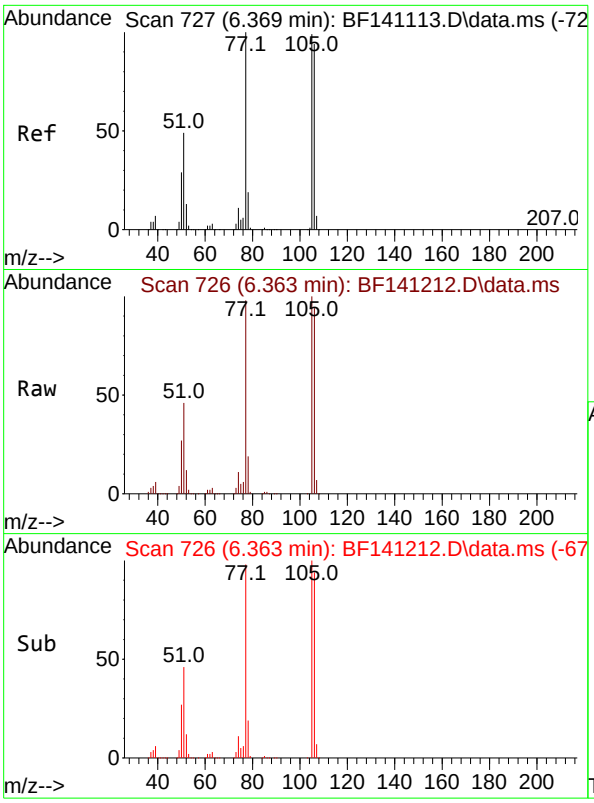


#8
2-Chlorophenol
Concen: 39.055 ng
RT: 6.598 min Scan# 766
Delta R.T. -0.006 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:128 Resp: 487756

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.5	52.5
64	46.0	28.3	68.3



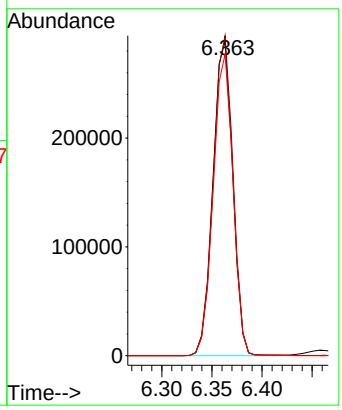


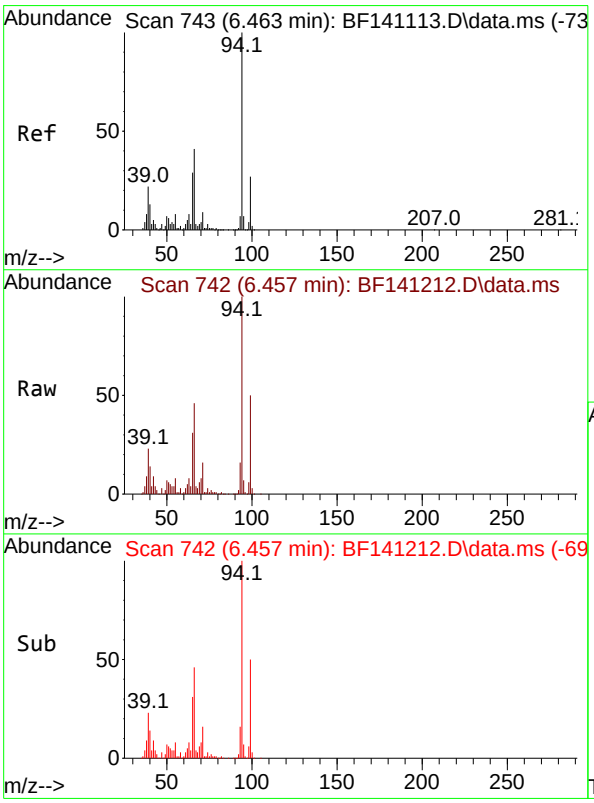
#9
Benzaldehyde
Concen: 45.735 ng
RT: 6.363 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 397188

Ion	Ratio	Lower	Upper
77	100		
105	101.8	78.9	118.9
106	96.0	73.6	113.6

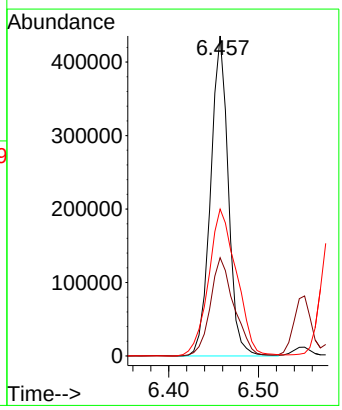


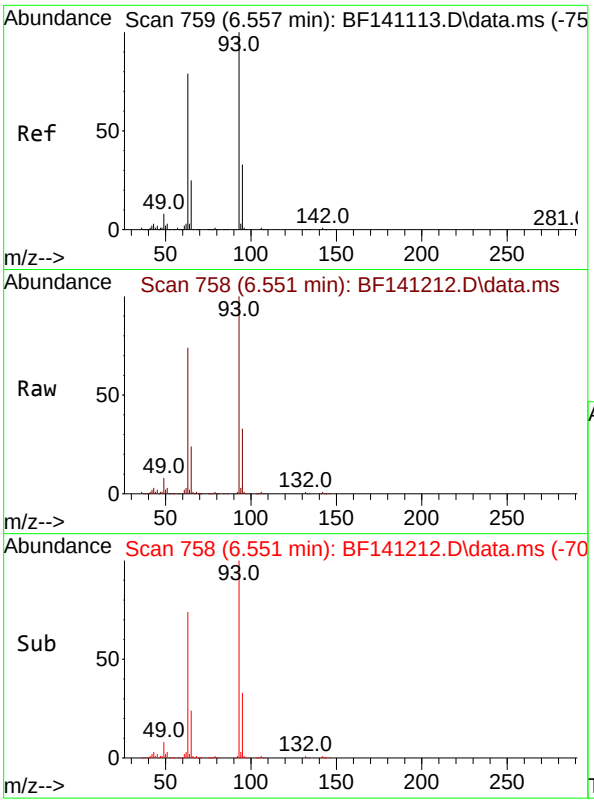


#10
Phenol
Concen: 37.794 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion: 94 Resp: 596553

Ion	Ratio	Lower	Upper
94	100		
65	30.7	8.9	48.9
66	45.9	21.2	61.2



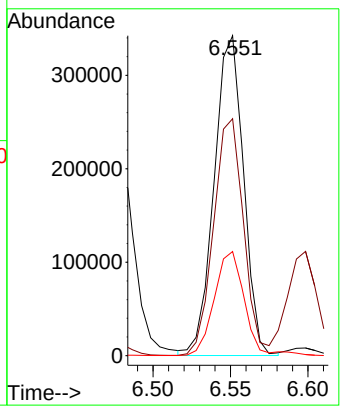


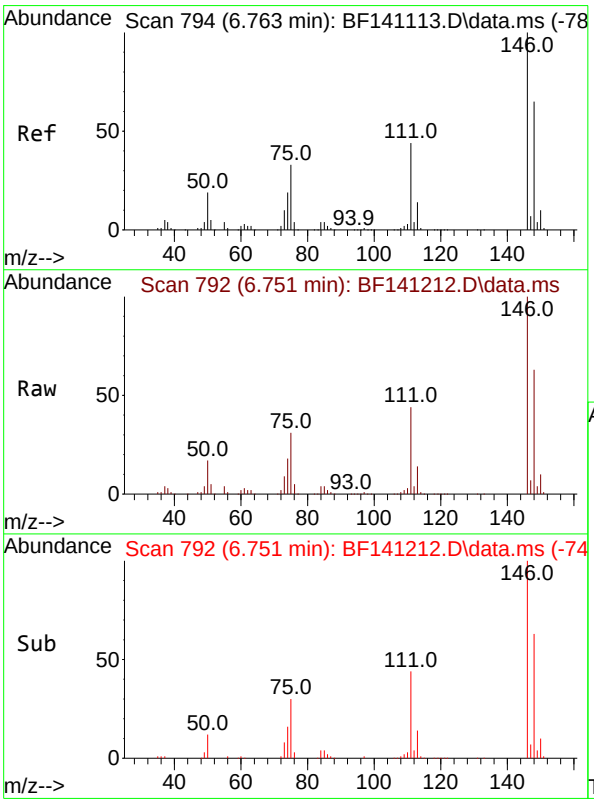
#11
bis(2-Chloroethyl)ether
Concen: 38.405 ng
RT: 6.551 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 451773

Ion	Ratio	Lower	Upper
93	100		
63	74.0	58.0	98.0
95	32.6	12.5	52.5

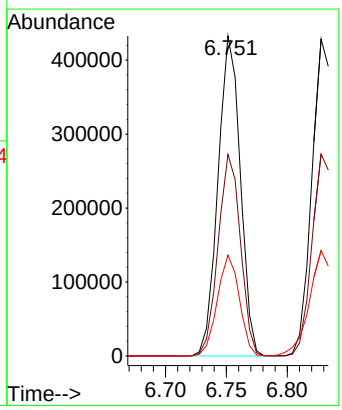


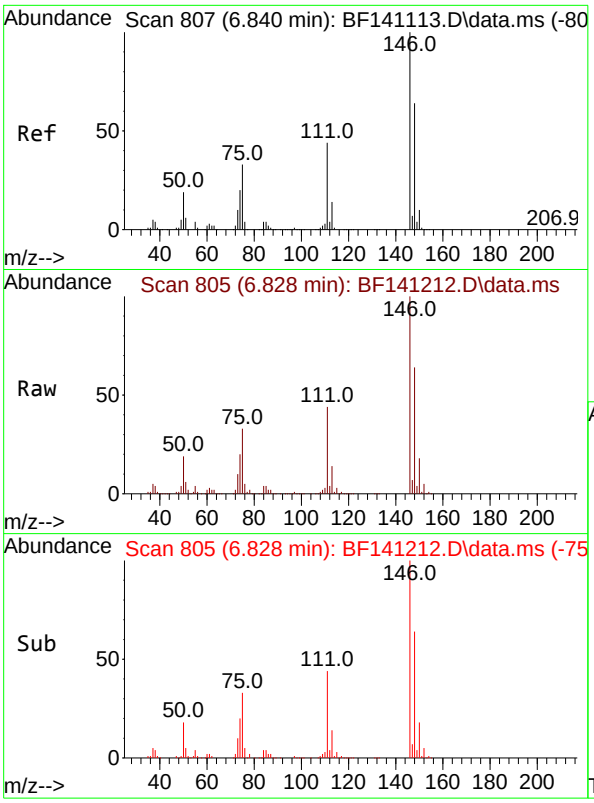


#12
1,3-Dichlorobenzene
Concen: 39.571 ng
RT: 6.751 min Scan# 792
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:146 Resp: 551187

Ion	Ratio	Lower	Upper
146	100		
148	63.0	51.6	77.4
75	31.5	26.2	39.2



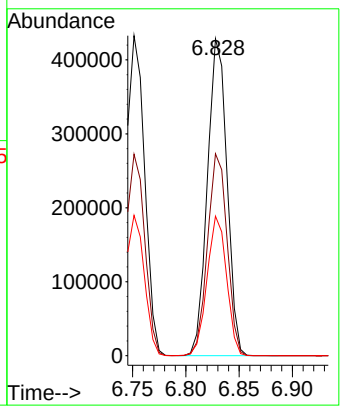


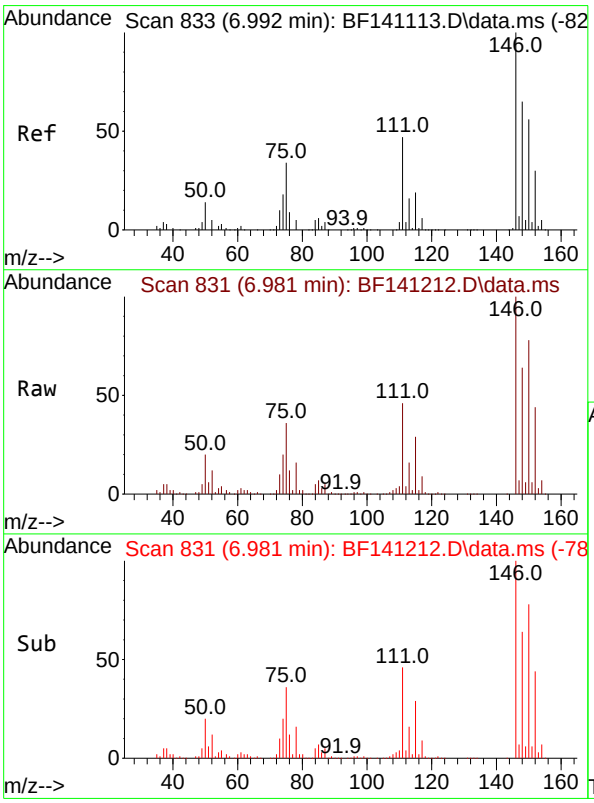
#13
1,4-Dichlorobenzene
Concen: 39.008 ng
RT: 6.828 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 547534

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.0	76.6
111	44.0	34.9	52.3

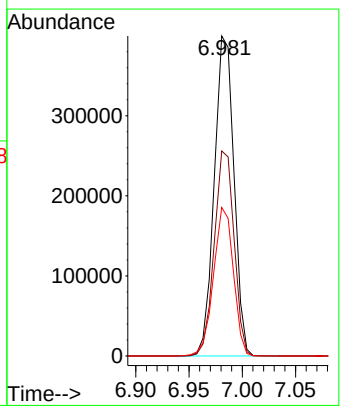


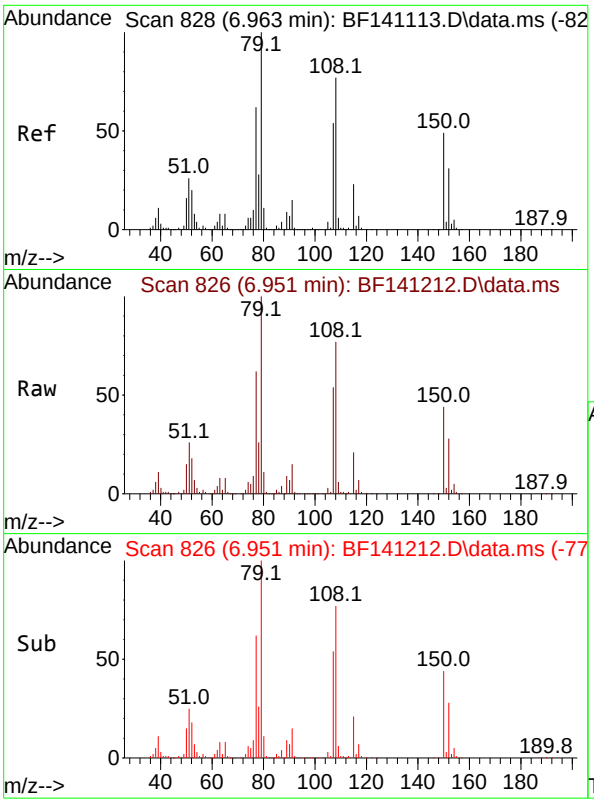


#14
1,2-Dichlorobenzene
Concen: 39.132 ng
RT: 6.981 min Scan# 831
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:146 Resp: 512367

Ion	Ratio	Lower	Upper
146	100		
148	64.1	52.2	78.4
111	46.4	37.5	56.3



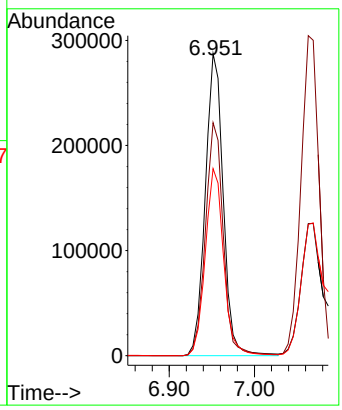


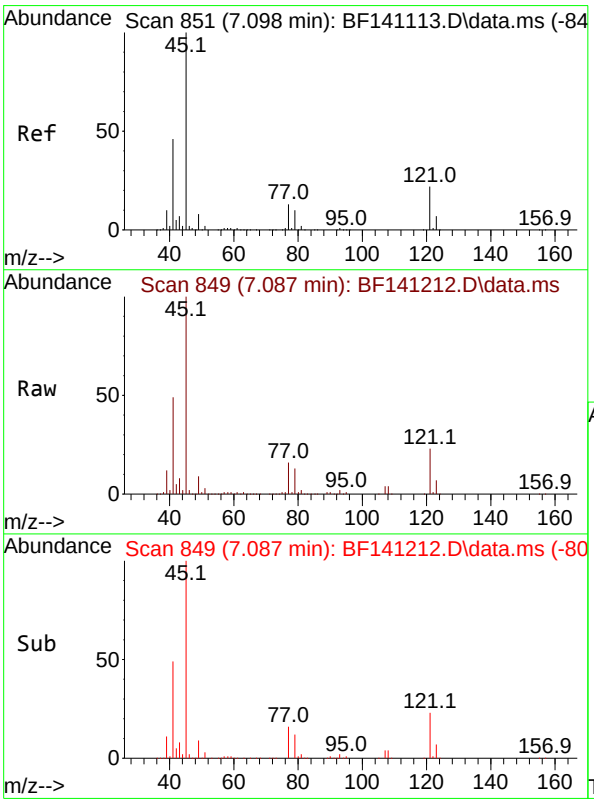
#15
Benzyl Alcohol
Concen: 39.357 ng
RT: 6.951 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 419104

Ion	Ratio	Lower	Upper
79	100		
108	77.1	61.4	92.0
77	61.9	49.8	74.6

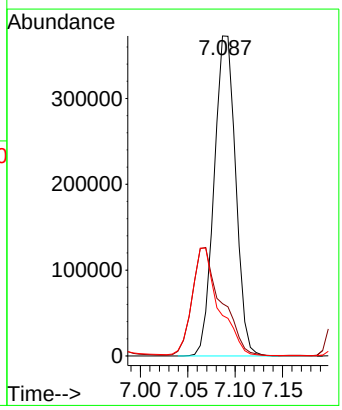


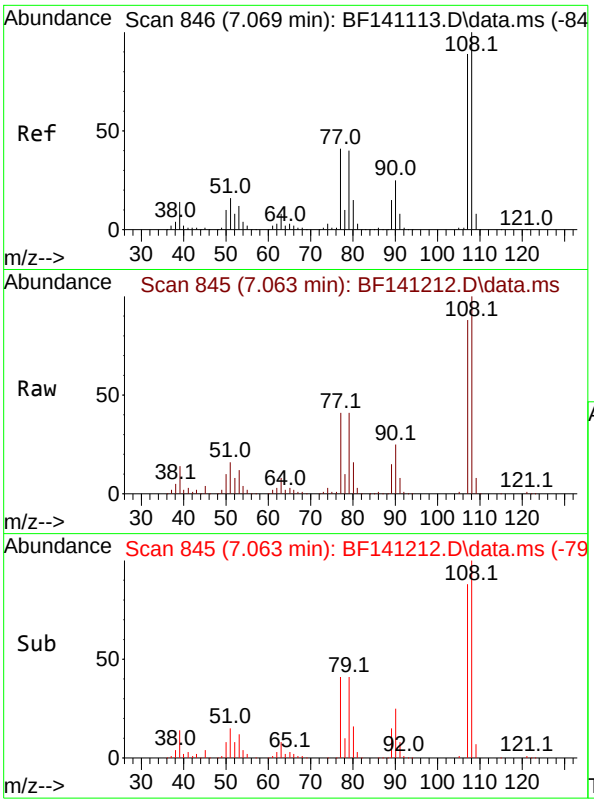


#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.020 ng
RT: 7.087 min Scan# 849
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion: 45 Resp: 591272

Ion	Ratio	Lower	Upper
45	100		
77	16.4	0.0	34.1
79	12.6	0.0	31.0



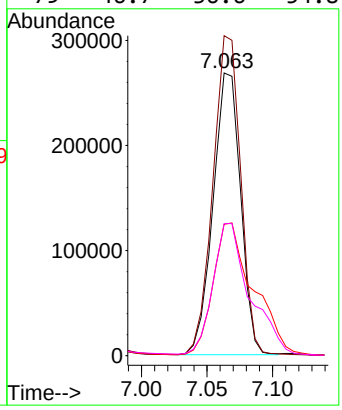


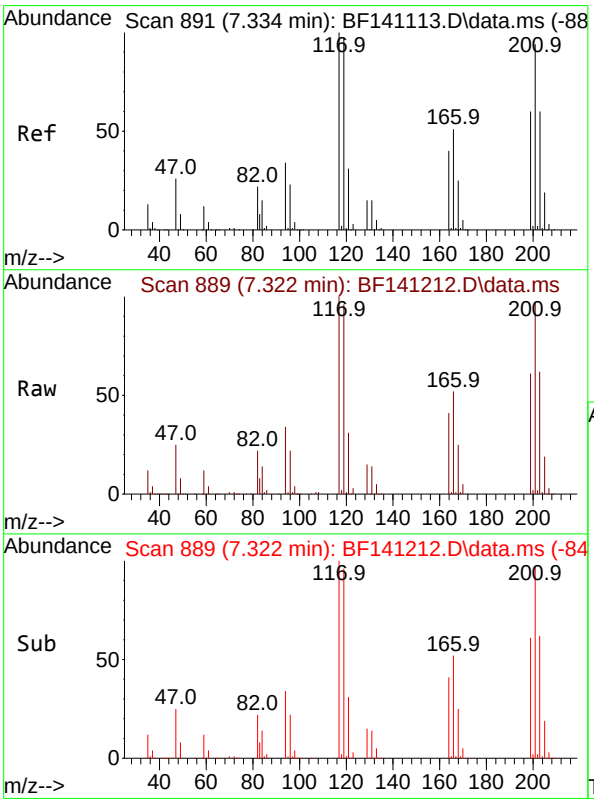
#17
2-Methylphenol
Concen: 38.876 ng
RT: 7.063 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 391980

Ion	Ratio	Lower	Upper
107	100		
108	113.2	90.1	135.1
77	46.5	36.6	55.0
79	46.7	36.6	54.8

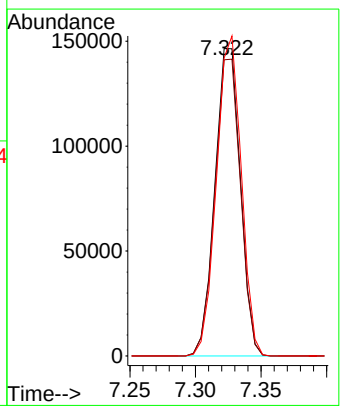


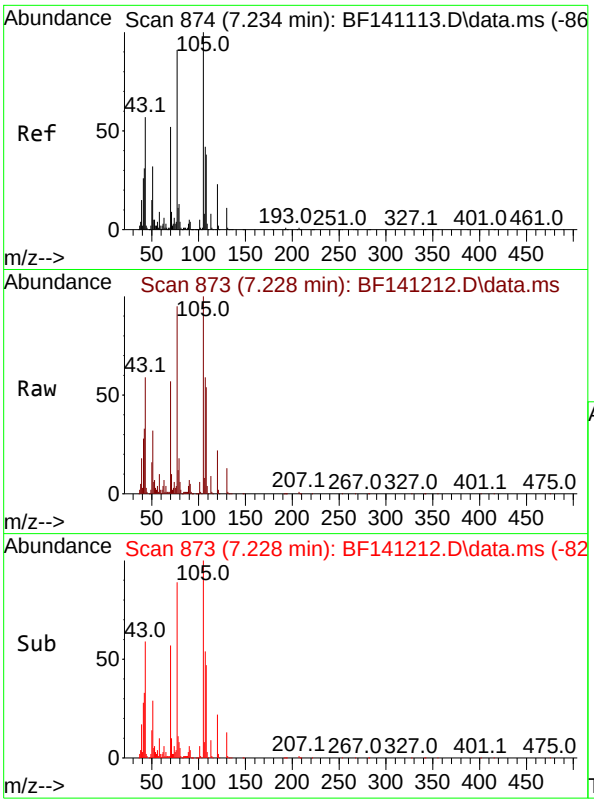


#18
Hexachloroethane
Concen: 39.109 ng
RT: 7.322 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:117 Resp: 198518

Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.6	116.4
201	96.9	75.1	112.7



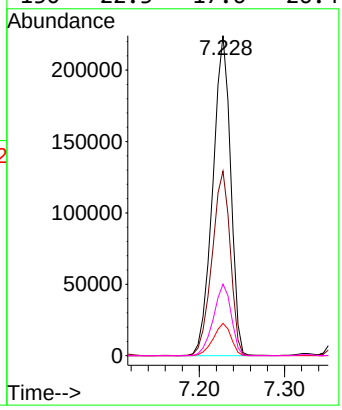


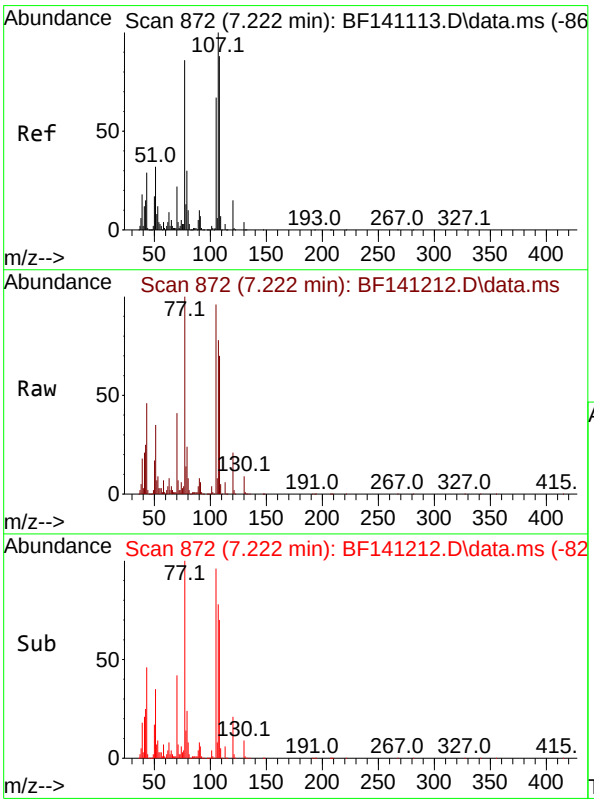
#19
n-Nitroso-di-n-propylamine
Concen: 37.682 ng
RT: 7.228 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 327309

Ion	Ratio	Lower	Upper
70	100		
42	57.6	47.8	71.6
101	10.1	7.9	11.9
130	22.3	17.6	26.4

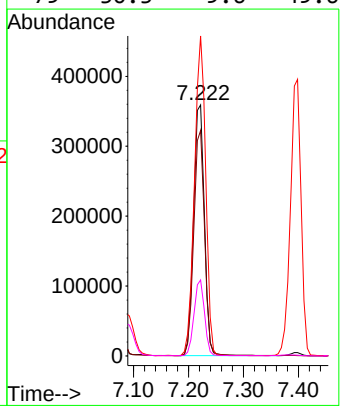


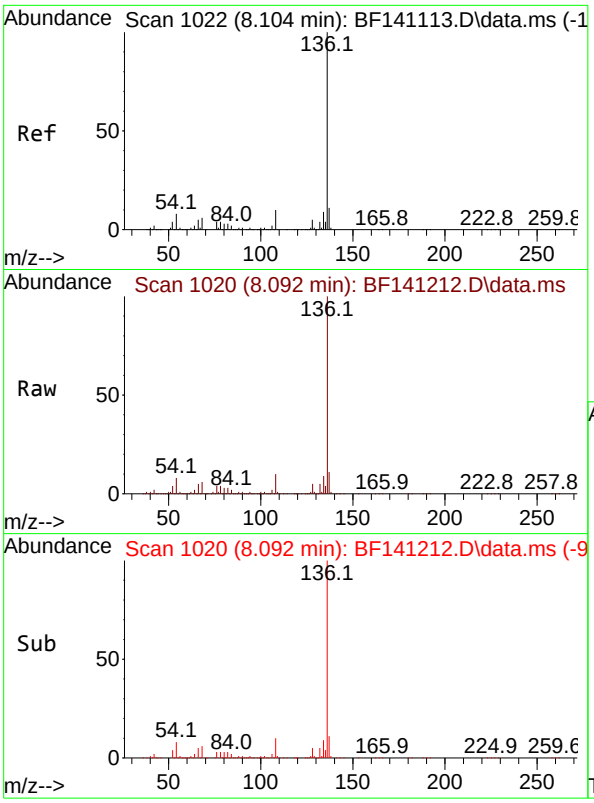


#20
3+4-Methylphenols
Concen: 38.549 ng
RT: 7.222 min Scan# 872
Delta R.T. 0.000 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:107 Resp: 490374

Ion	Ratio	Lower	Upper
107	100		
108	89.8	68.3	108.3
77	127.5	66.4	106.4#
79	30.3	9.6	49.6



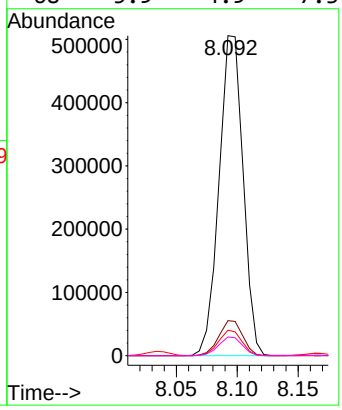


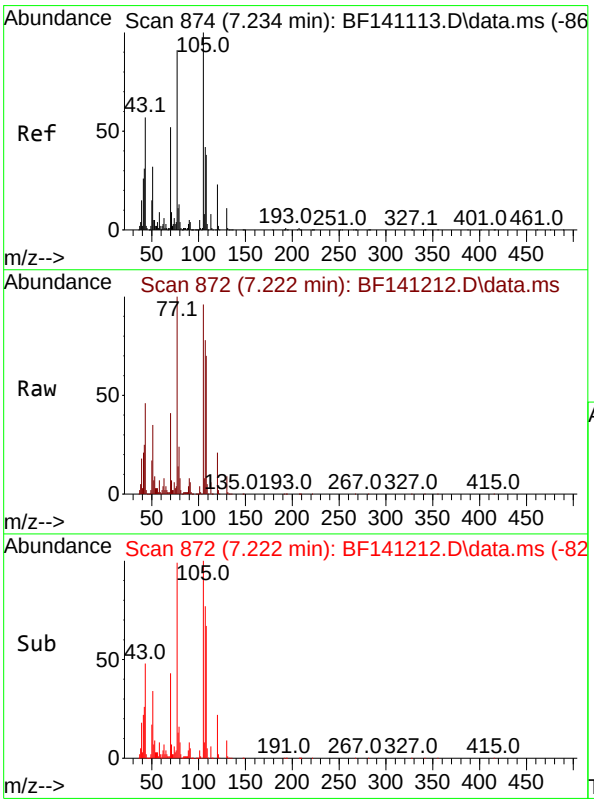
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 695851

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.9	6.3	9.5
68	5.9	4.9	7.3

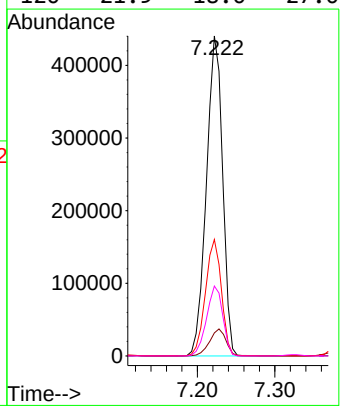


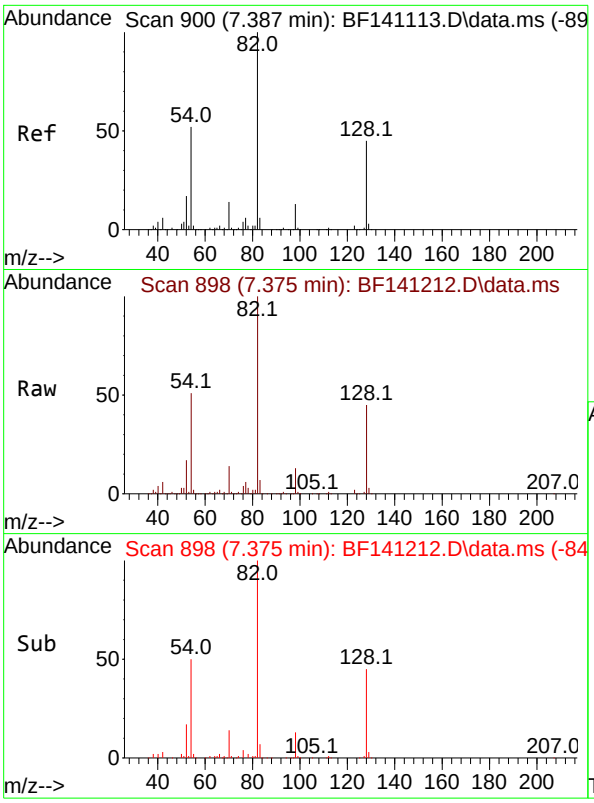


#22
Acetophenone
Concen: 38.705 ng
RT: 7.222 min Scan# 872
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:105 Resp: 640268

Ion	Ratio	Lower	Upper
105	100		
71	7.2	7.1	10.7
51	36.4	25.4	38.2
120	21.9	18.0	27.0



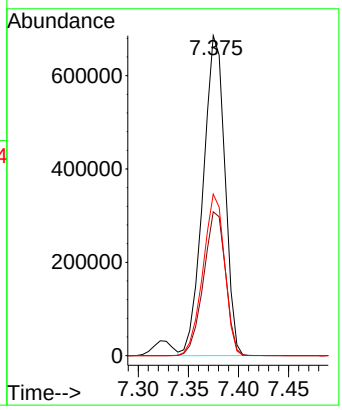


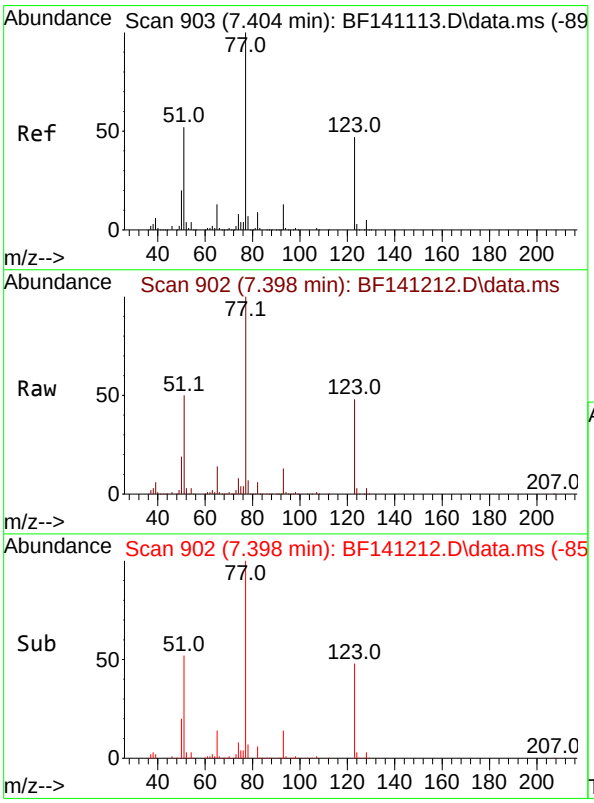
#23
Nitrobenzene-d5
Concen: 78.878 ng
RT: 7.375 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 1035446

Ion	Ratio	Lower	Upper
82	100		
128	45.0	36.1	54.1
54	50.5	41.0	61.4

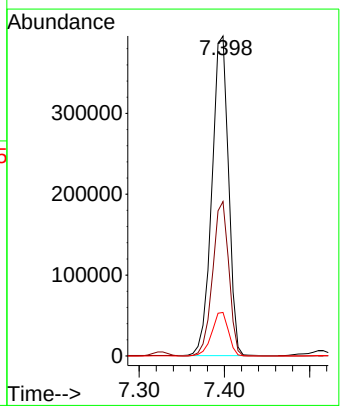


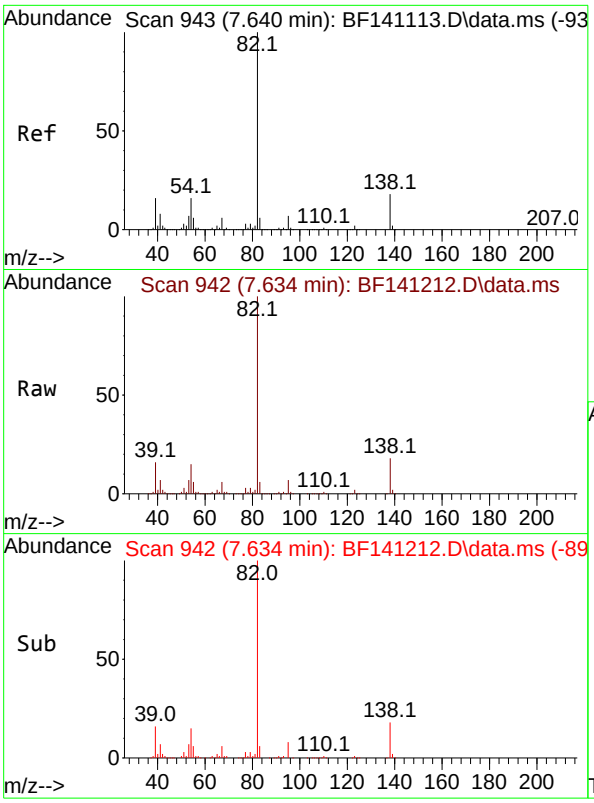


#24
Nitrobenzene
Concen: 39.074 ng
RT: 7.398 min Scan# 902
Delta R.T. -0.006 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion: 77 Resp: 534584

Ion	Ratio	Lower	Upper
77	100		
123	48.2	37.7	56.5
65	13.6	10.6	16.0



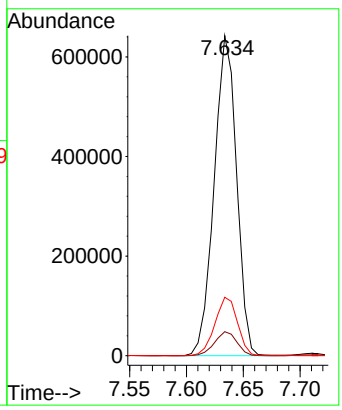


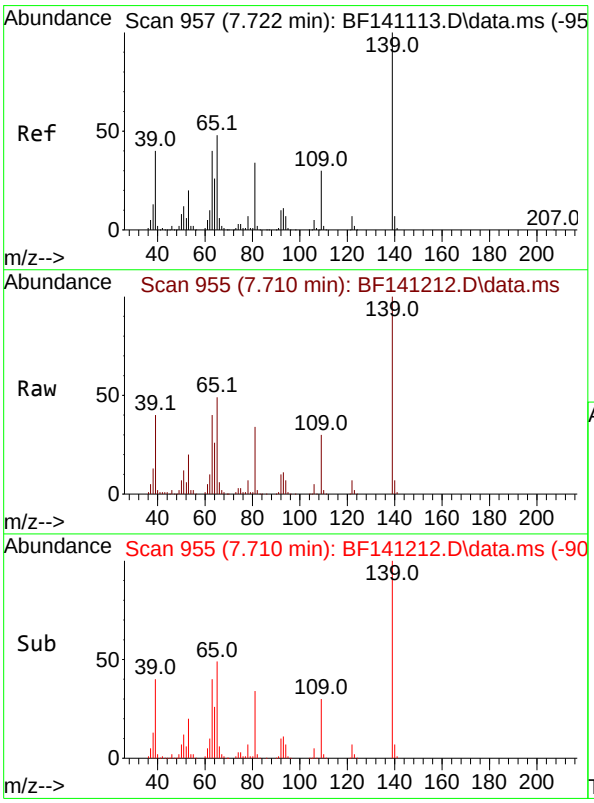
#25
Isophorone
Concen: 39.362 ng
RT: 7.634 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 883042

Ion	Ratio	Lower	Upper
82	100		
95	7.5	5.9	8.9
138	18.3	14.2	21.2

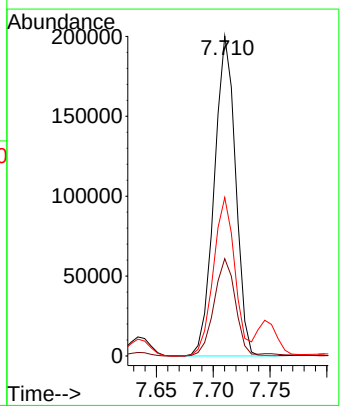


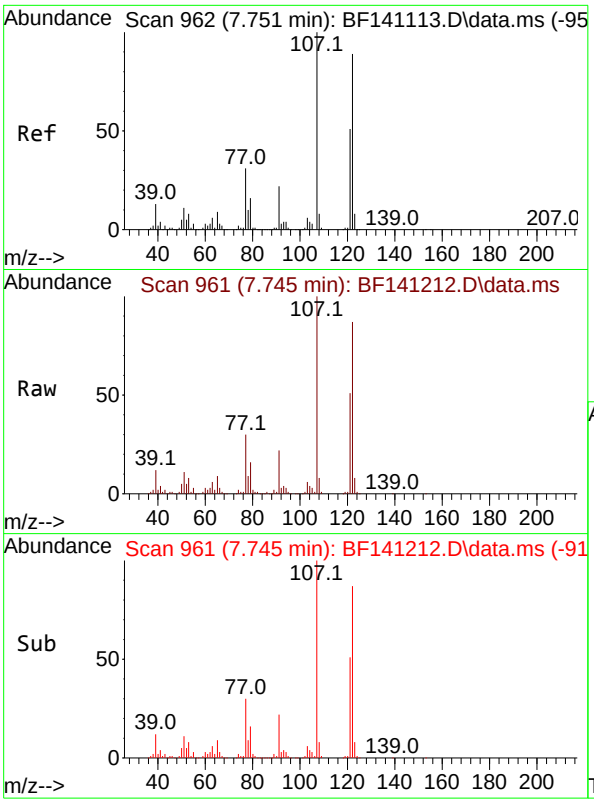


#26
2-Nitrophenol
Concen: 41.973 ng
RT: 7.710 min Scan# 955
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:139 Resp: 261219

Ion	Ratio	Lower	Upper
139	100		
109	30.4	23.8	35.6
65	49.5	38.5	57.7



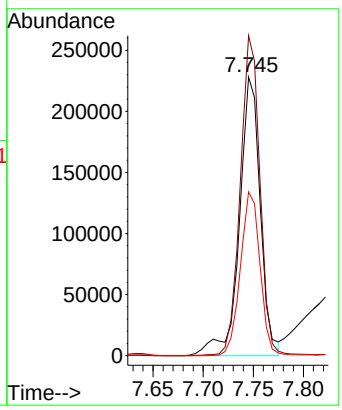


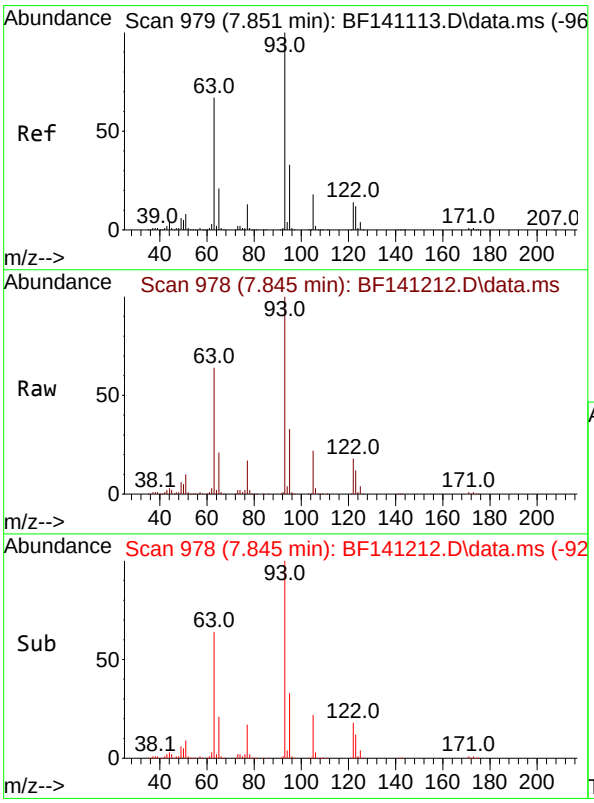
#27
2,4-Dimethylphenol
Concen: 39.434 ng
RT: 7.745 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 331024

Ion	Ratio	Lower	Upper
122	100		
107	114.8	90.3	135.5
121	58.8	46.5	69.7

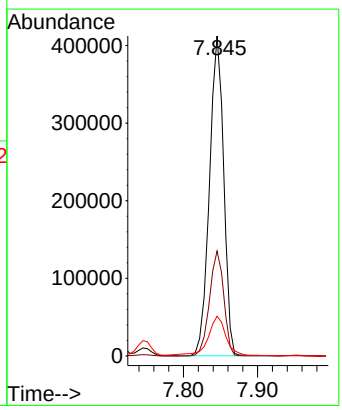


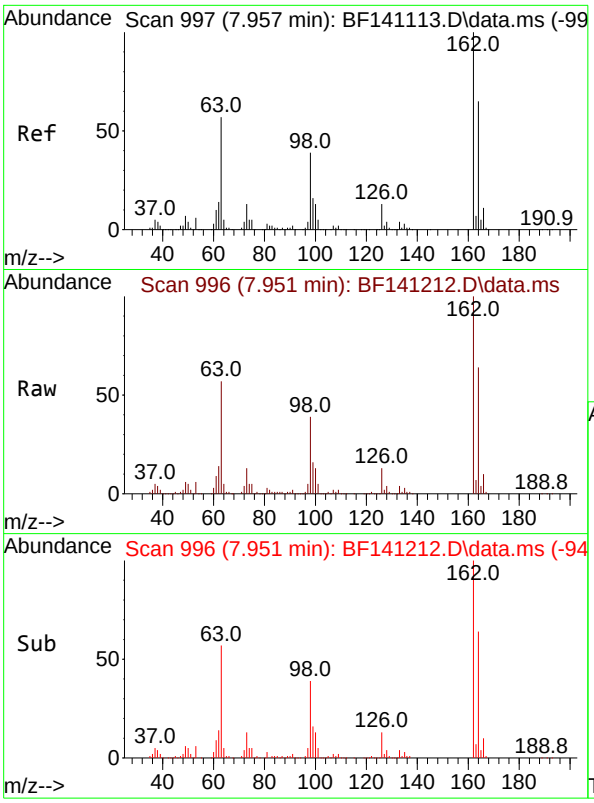


#28
bis(2-Chloroethoxy)methane
Concen: 39.065 ng
RT: 7.845 min Scan# 978
Delta R.T. -0.006 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion: 93 Resp: 549992

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.2	39.4
123	12.4	10.1	15.1



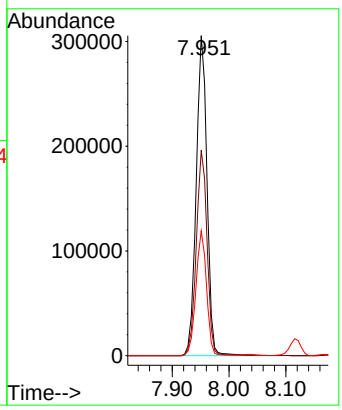


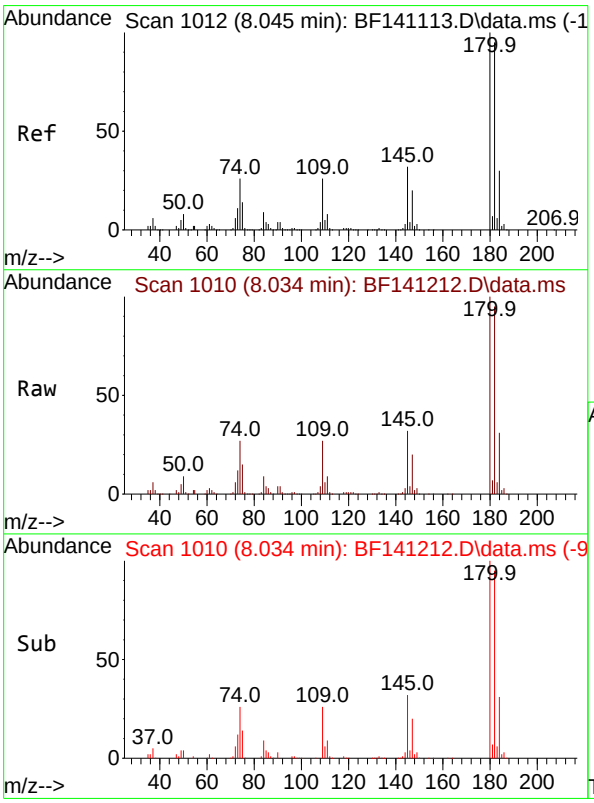
#29
2,4-Dichlorophenol
Concen: 40.674 ng
RT: 7.951 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 405510

Ion	Ratio	Lower	Upper
162	100		
164	64.2	44.5	84.5
98	39.0	18.5	58.5

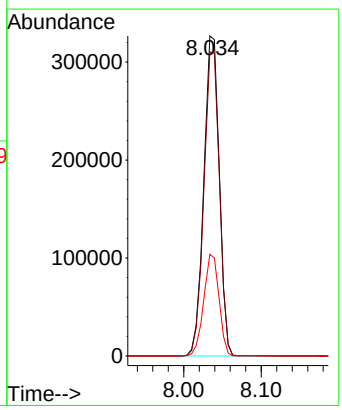


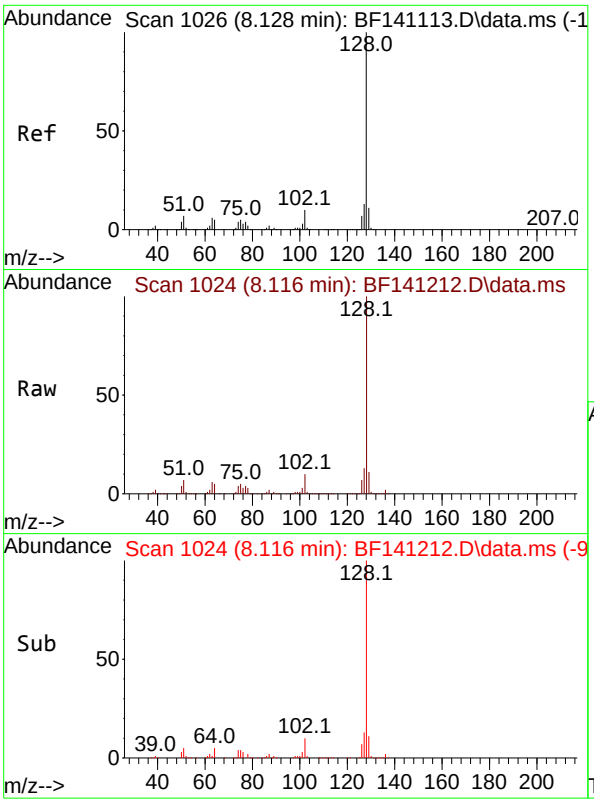


#30
1,2,4-Trichlorobenzene
Concen: 39.859 ng
RT: 8.034 min Scan# 1010
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:180 Resp: 454226

Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.2	114.2
145	31.7	25.3	37.9



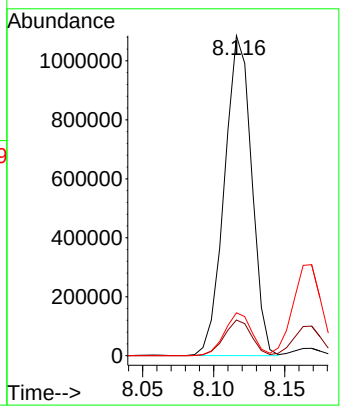


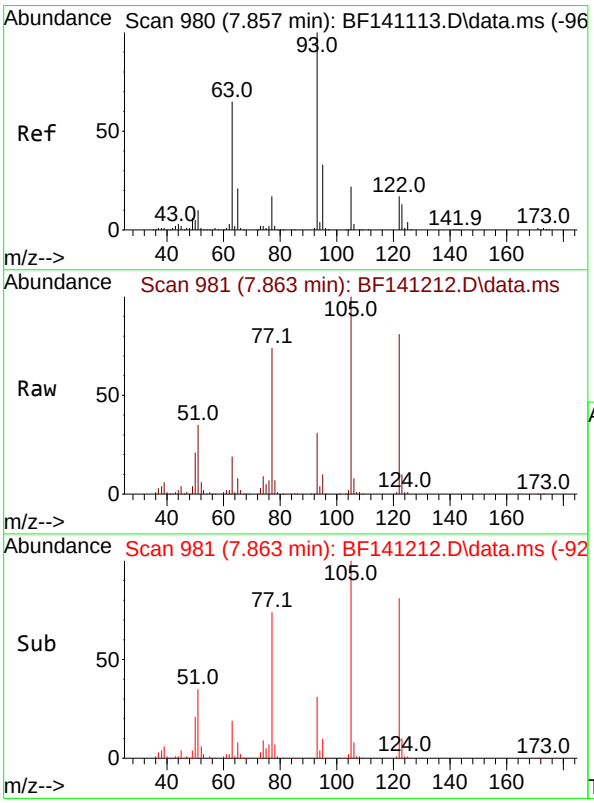
#31
Naphthalene
Concen: 39.335 ng
RT: 8.116 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 1443445

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.6
127	13.4	10.8	16.2

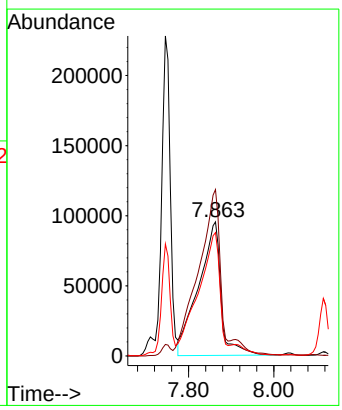


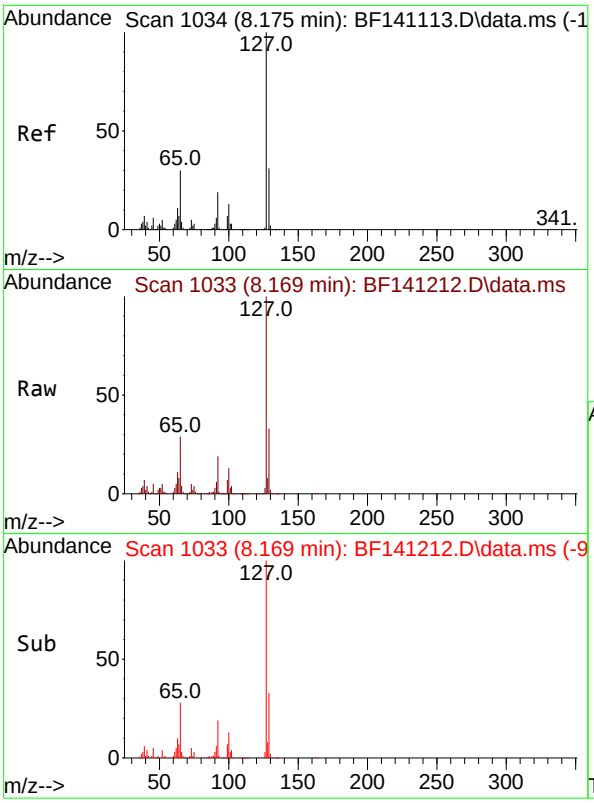


#32
Benzoic acid
Concen: 43.391 ng
RT: 7.863 min Scan# 981
Delta R.T. 0.006 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:122 Resp: 349410

Ion	Ratio	Lower	Upper
122	100		
105	124.1	105.5	145.5
77	92.0	75.1	115.1



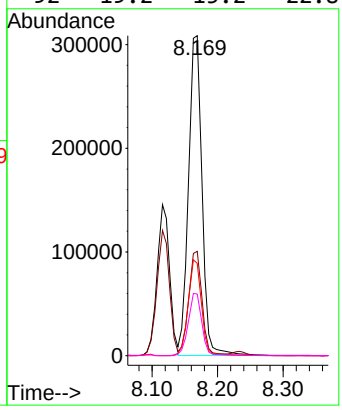


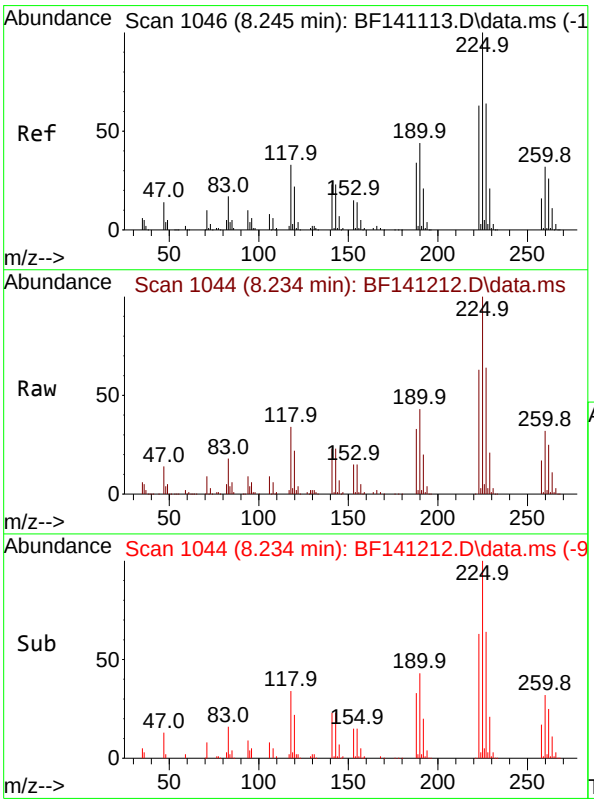
#33
4-Chloroaniline
Concen: 34.865 ng
RT: 8.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 442472

Ion	Ratio	Lower	Upper
127	100		
129	32.6	25.9	38.9
65	28.9	23.8	35.8
92	19.2	15.2	22.8

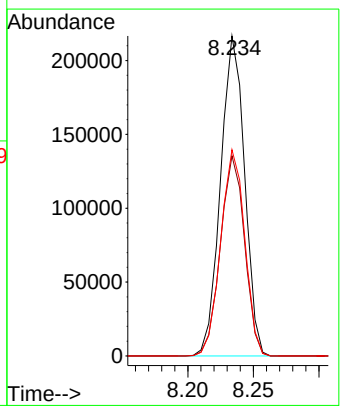


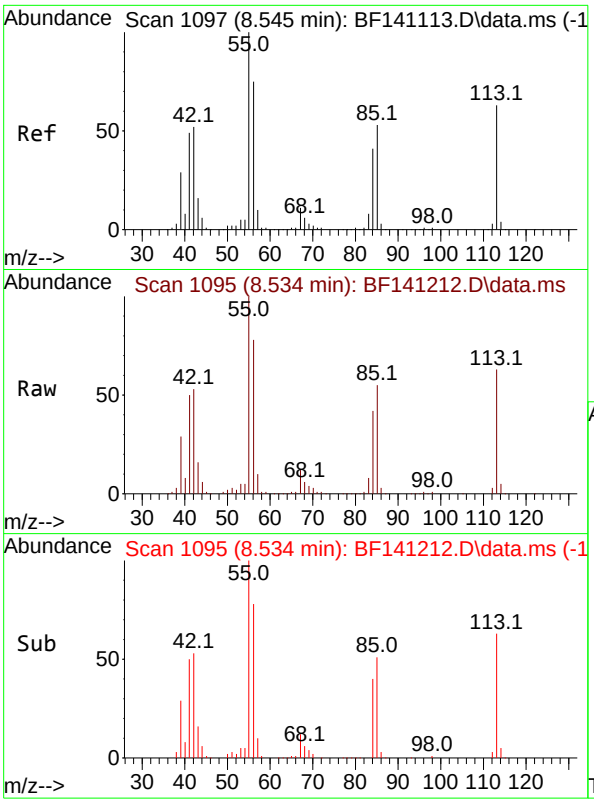


#34
Hexachlorobutadiene
Concen: 40.119 ng
RT: 8.234 min Scan# 1044
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:225 Resp: 275485

Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.6	76.0
227	64.4	51.6	77.4



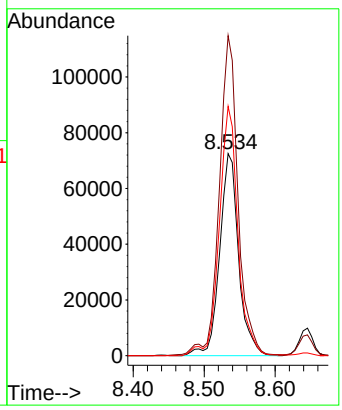


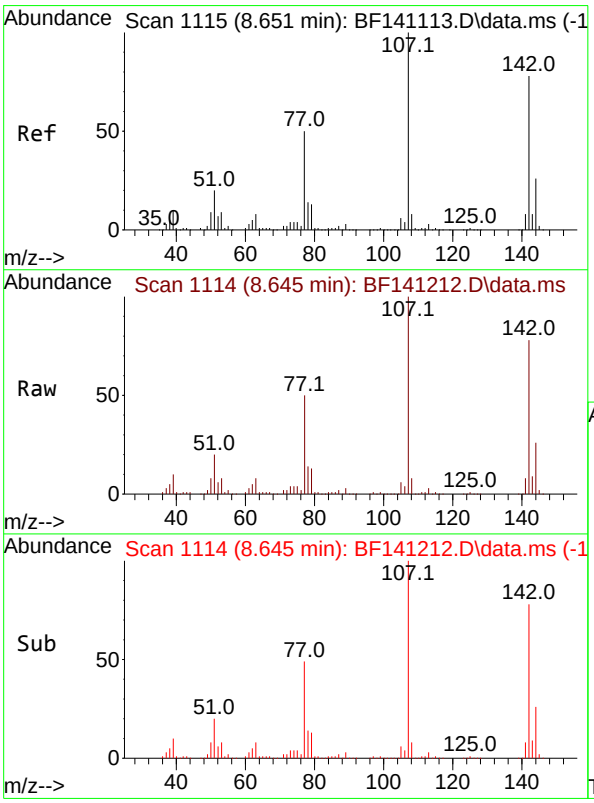
#35
Caprolactam
Concen: 40.997 ng
RT: 8.534 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 133817

Ion	Ratio	Lower	Upper
113	100		
55	158.3	139.7	179.7
56	123.4	99.4	139.4

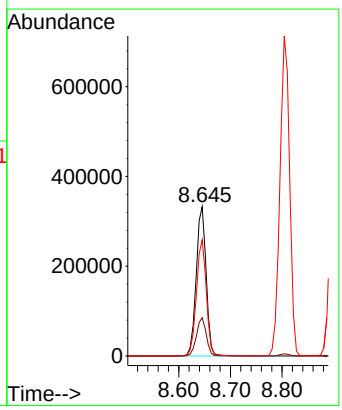


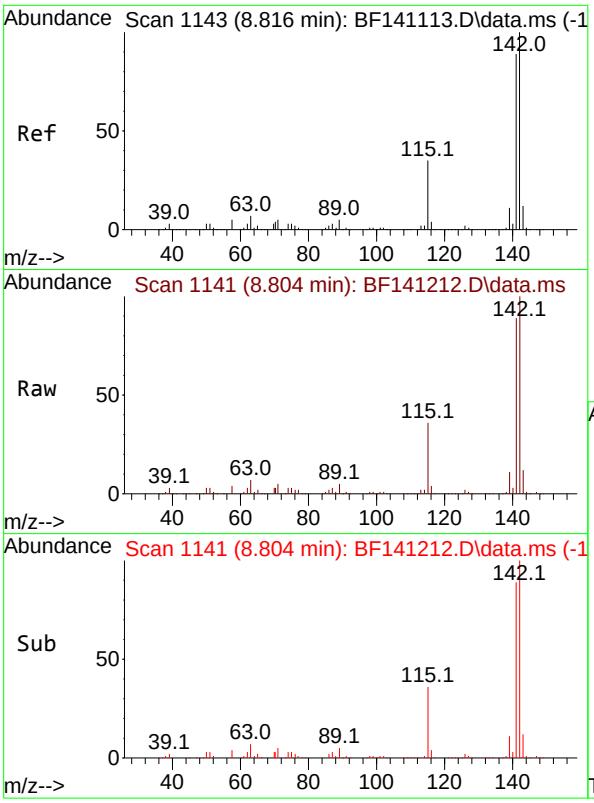


#36
4-Chloro-3-methylphenol
Concen: 40.655 ng
RT: 8.645 min Scan# 1114
Delta R.T. -0.006 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:107 Resp: 443278

Ion	Ratio	Lower	Upper
107	100		
144	25.6	20.4	30.6
142	77.8	62.2	93.2



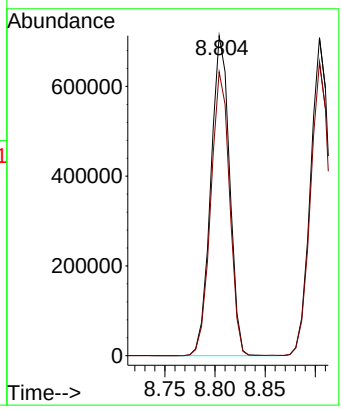


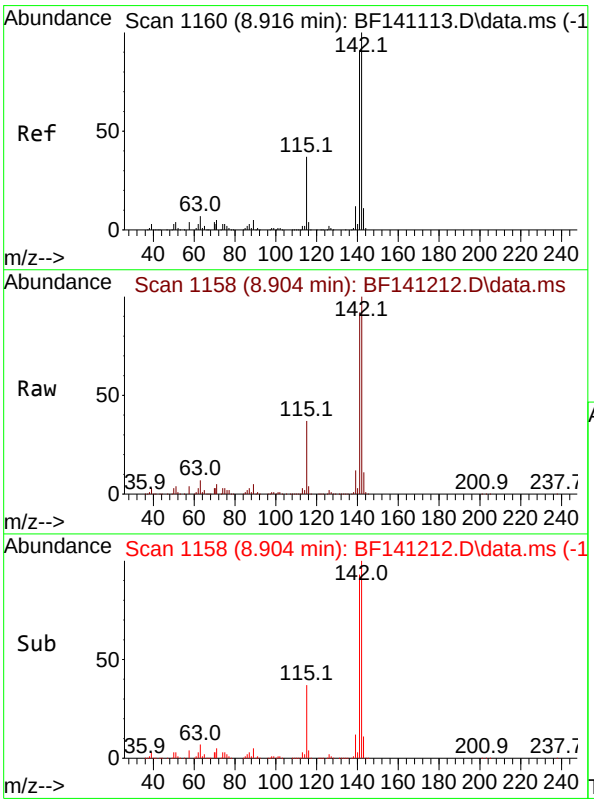
#37
2-Methylnaphthalene
Concen: 39.636 ng
RT: 8.804 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 926865

Ion	Ratio	Lower	Upper
142	100		
141	88.7	71.3	106.9

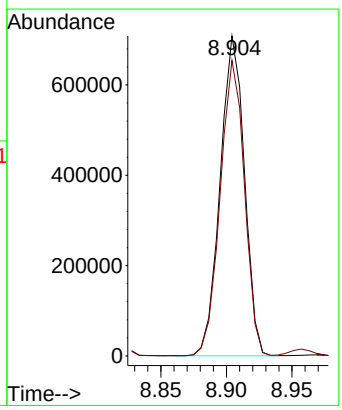


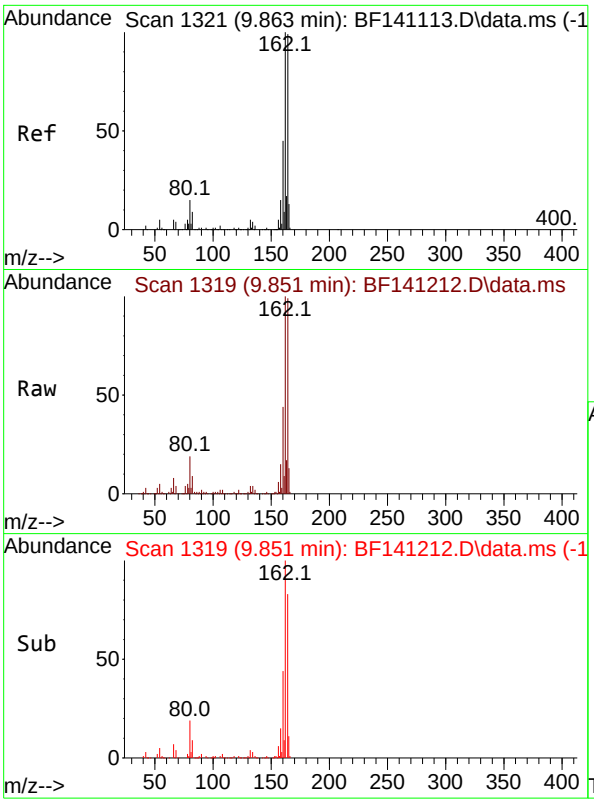


#38
1-Methylnaphthalene
Concen: 39.518 ng
RT: 8.904 min Scan# 1158
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:142 Resp: 910731

Ion	Ratio	Lower	Upper
142	100		
141	92.4	73.1	109.7



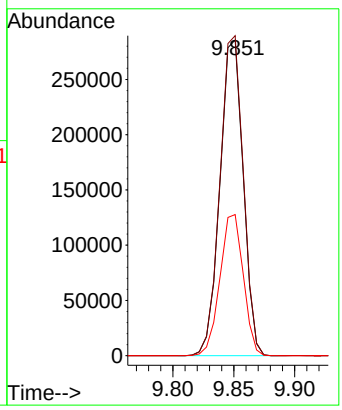


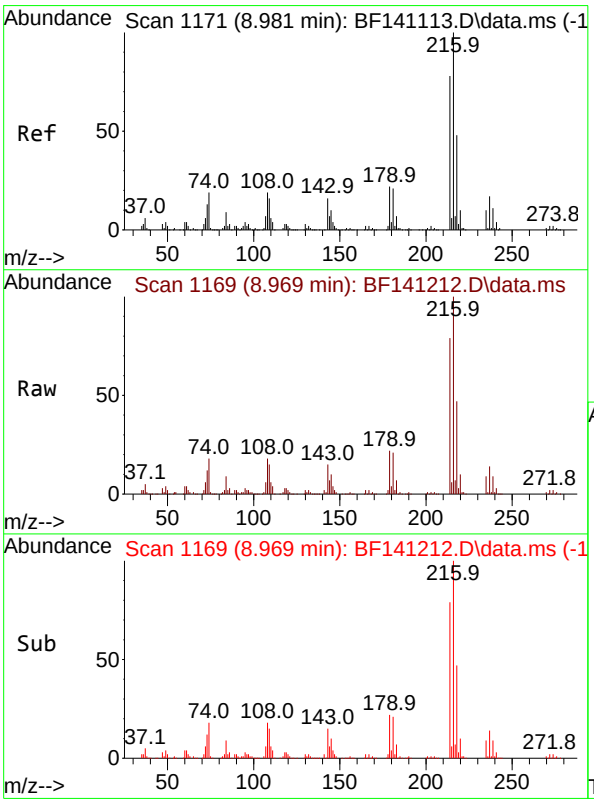
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 379338

Ion	Ratio	Lower	Upper
164	100		
162	101.4	81.0	121.4
160	44.7	36.1	54.1

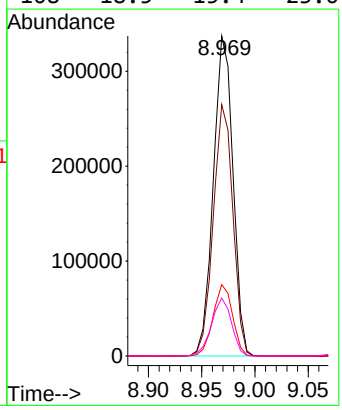


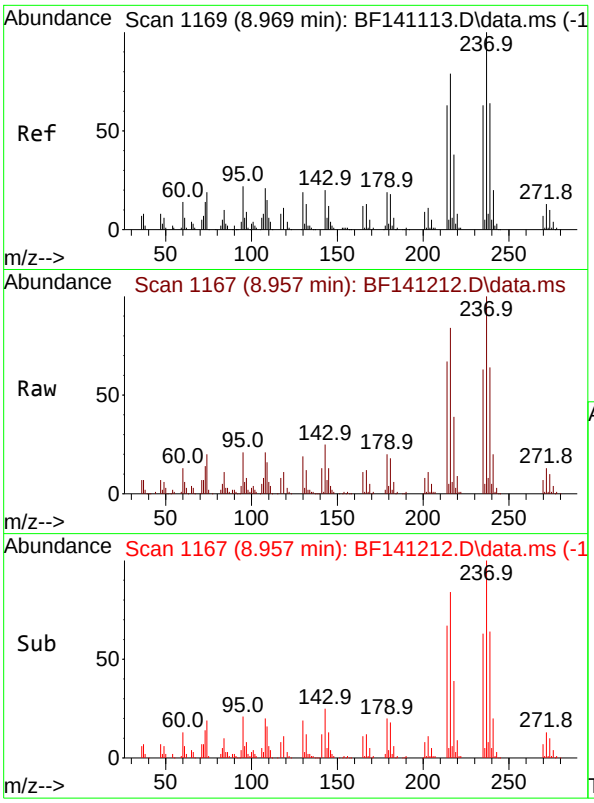


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.665 ng
RT: 8.969 min Scan# 1169
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:216 Resp: 431864

Ion	Ratio	Lower	Upper
216	100		
214	78.5	62.6	94.0
179	22.1	17.7	26.5
108	18.5	15.4	23.0



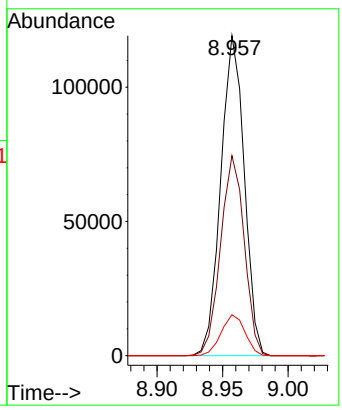


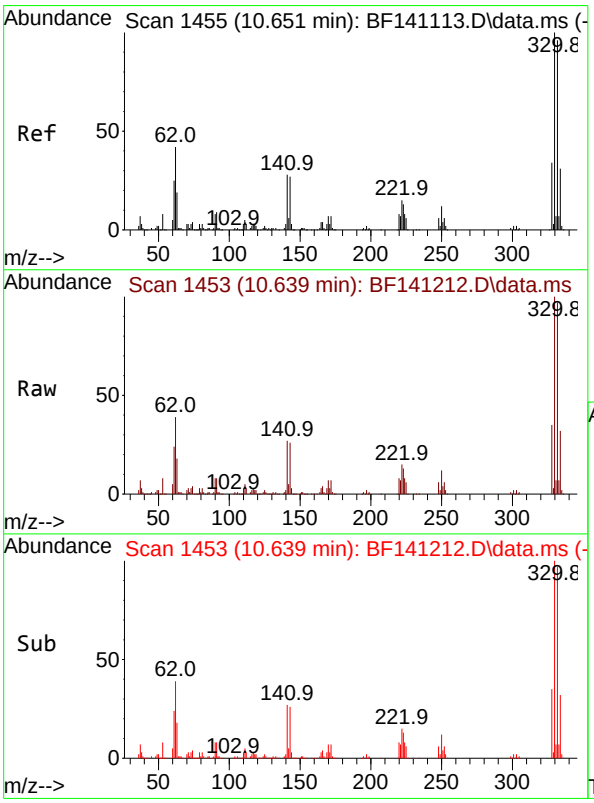
#41
Hexachlorocyclopentadiene
Concen: 41.678 ng
RT: 8.957 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 148460

Ion	Ratio	Lower	Upper
237	100		
235	62.5	43.0	83.0
272	12.8	0.0	33.0

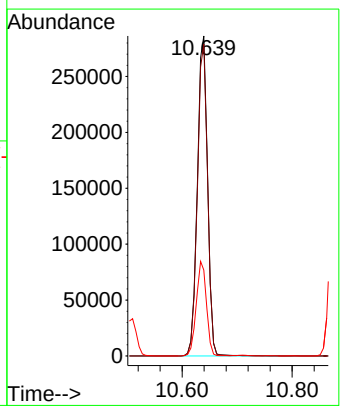


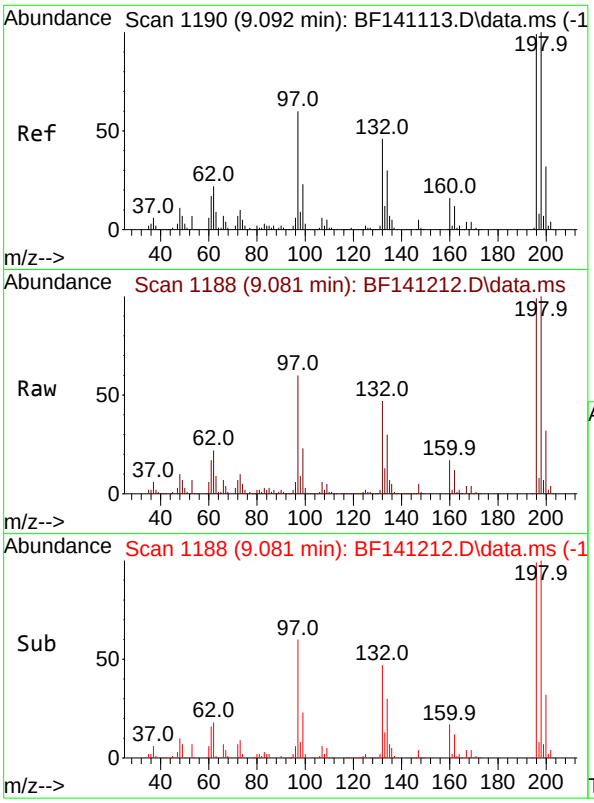


#42
2,4,6-Tribromophenol
Concen: 85.576 ng
RT: 10.639 min Scan# 1453
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:330 Resp: 369885

Ion	Ratio	Lower	Upper
330	100		
332	97.2	76.9	115.3
141	29.5	25.2	37.8



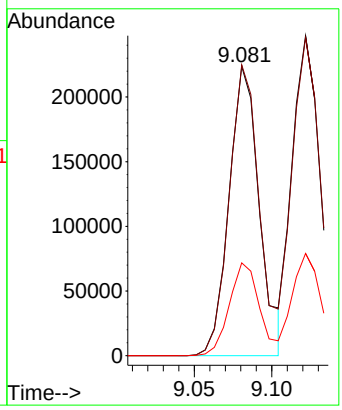


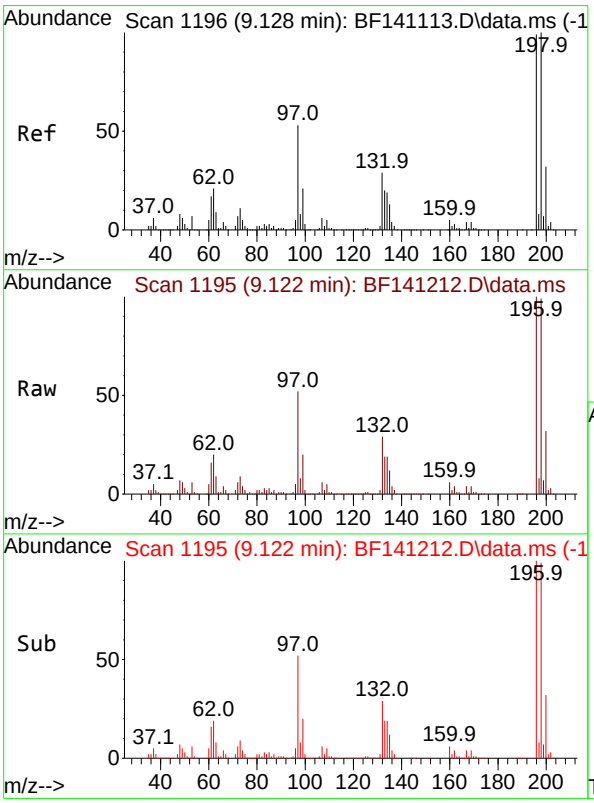
#43
2,4,6-Trichlorophenol
Concen: 41.342 ng
RT: 9.081 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 303577

Ion	Ratio	Lower	Upper
196	100		
198	100.6	80.8	121.2
200	32.1	25.7	38.5

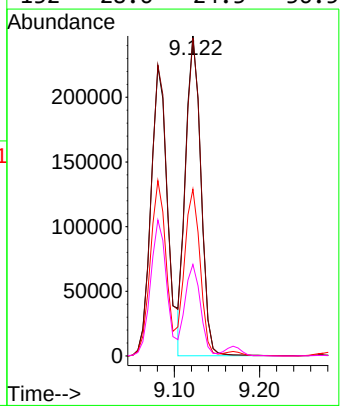


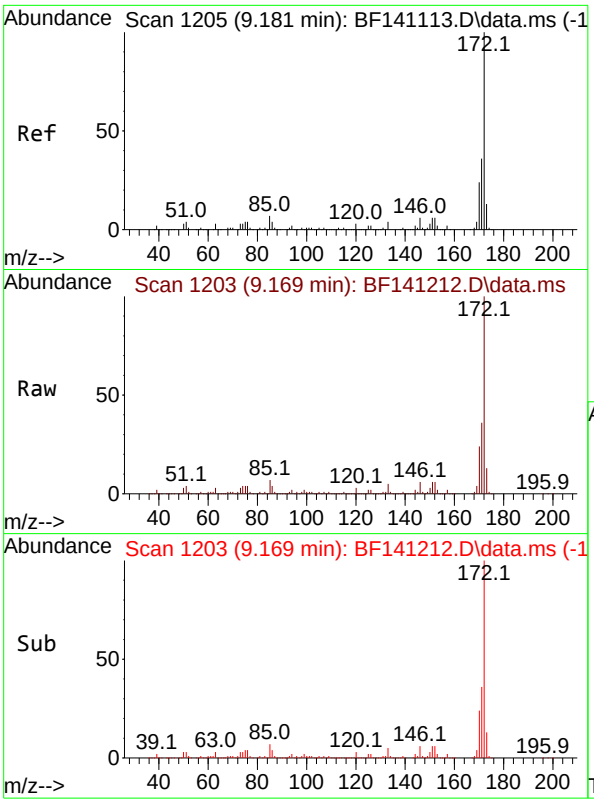


#44
2,4,5-Trichlorophenol
Concen: 39.913 ng
RT: 9.122 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:196 Resp: 309532

Ion	Ratio	Lower	Upper
196	100		
198	99.4	80.6	120.8
97	52.1	43.1	64.7
132	28.6	24.3	36.5



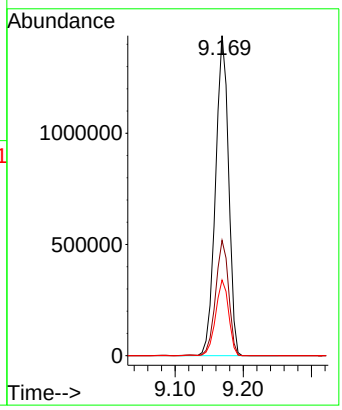


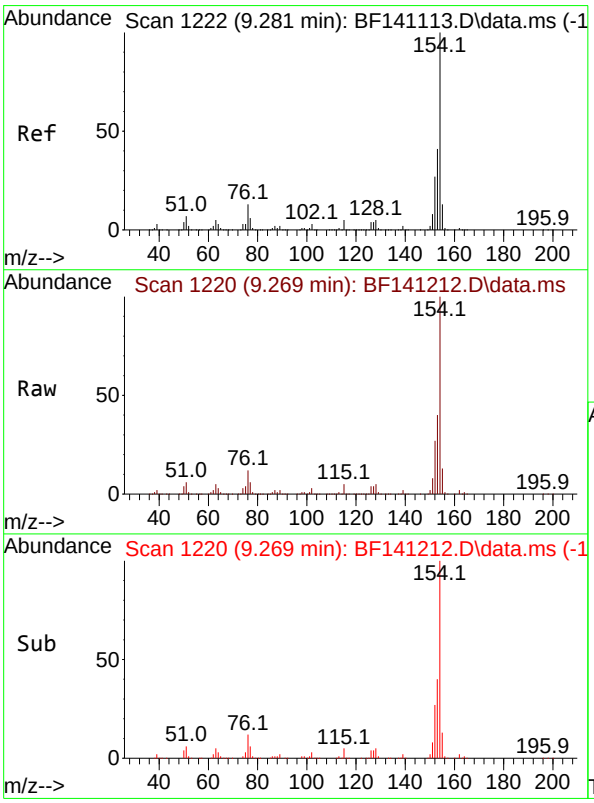
#45
2-Fluorobiphenyl
Concen: 77.274 ng
RT: 9.169 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 1919585

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.7	43.1
170	23.7	19.0	28.6

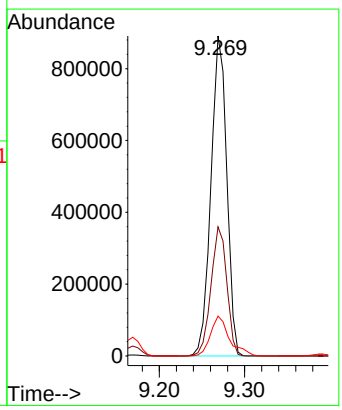


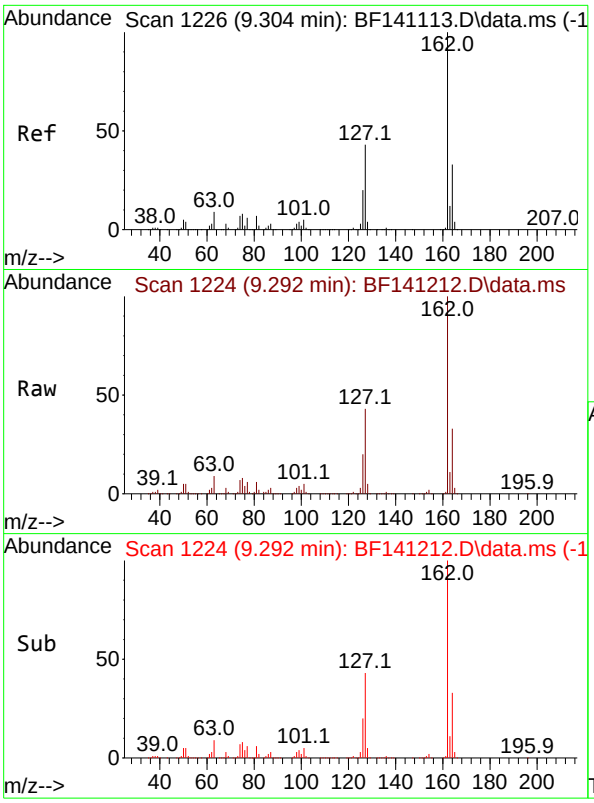


#46
1,1'-Biphenyl
Concen: 38.962 ng
RT: 9.269 min Scan# 1220
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:154 Resp: 1147801

Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.7	60.7
76	12.5	0.0	33.1



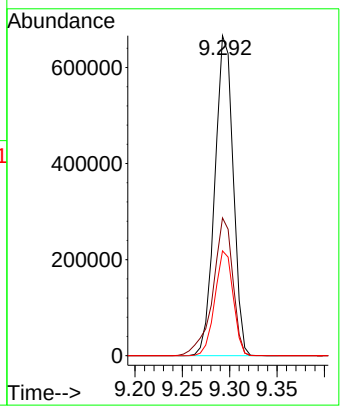


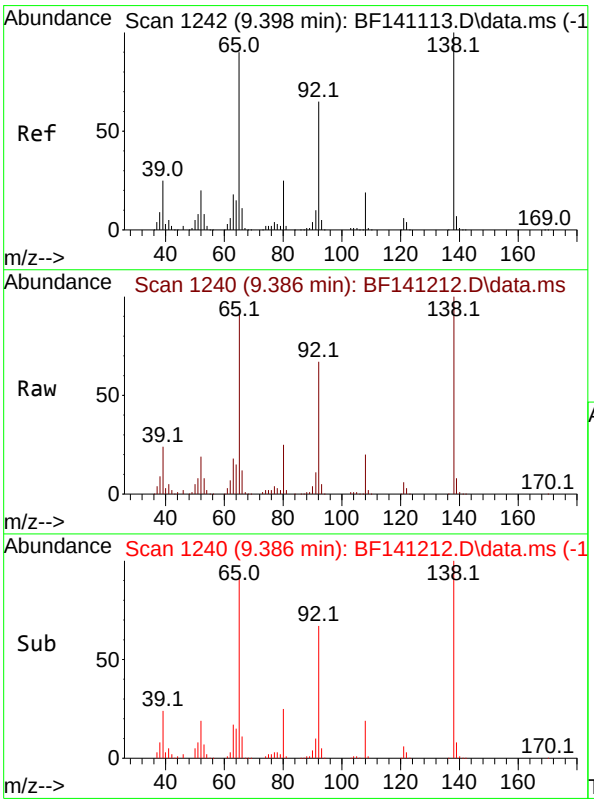
#47
2-Chloronaphthalene
Concen: 39.150 ng
RT: 9.292 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 898296

Ion	Ratio	Lower	Upper
162	100		
127	43.1	34.6	51.8
164	32.8	26.5	39.7

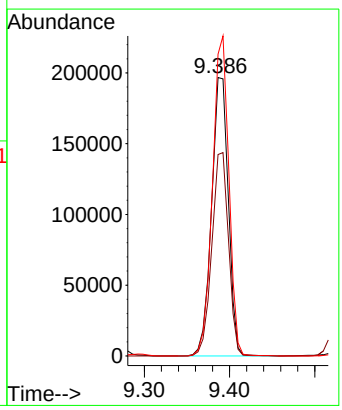


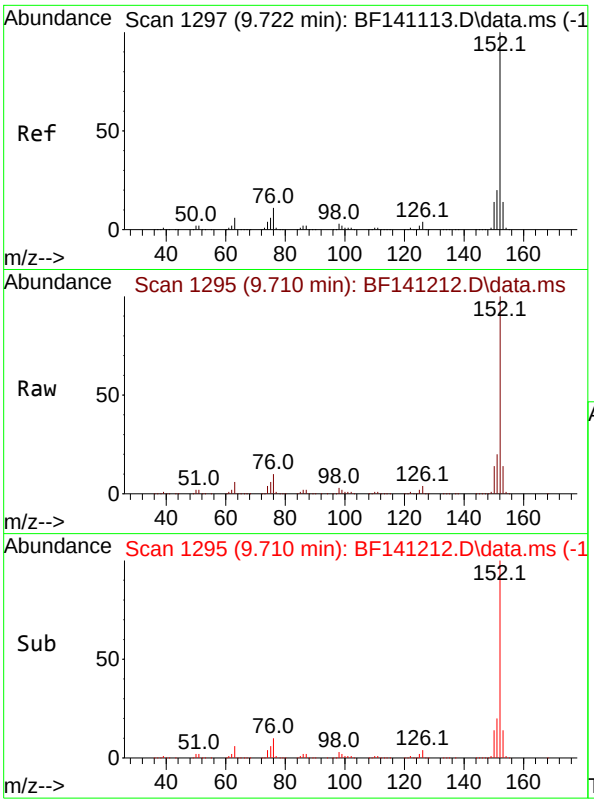


#48
2-Nitroaniline
Concen: 39.694 ng
RT: 9.386 min Scan# 1240
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion: 65 Resp: 269989

Ion	Ratio	Lower	Upper
65	100		
92	72.4	58.3	87.5
138	108.4	89.1	133.7



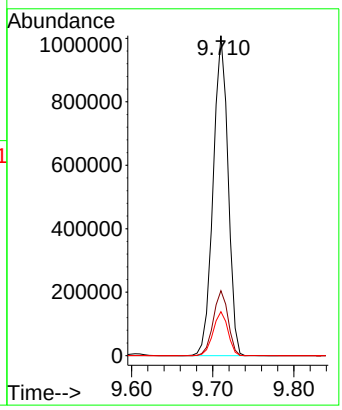


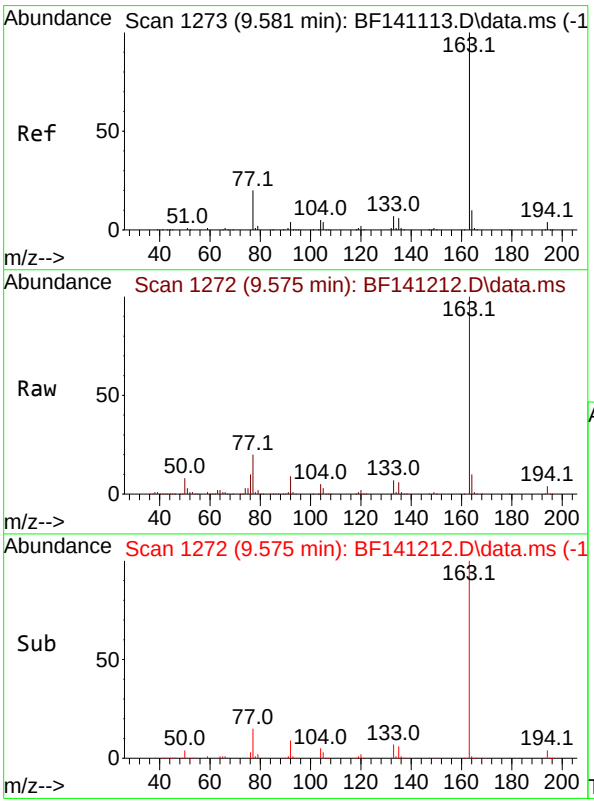
#49
Acenaphthylene
Concen: 39.180 ng
RT: 9.710 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 1284397

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.1	24.1
153	13.7	11.1	16.7

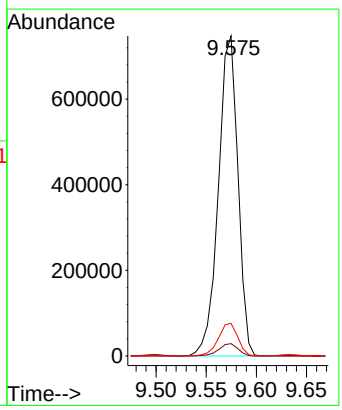


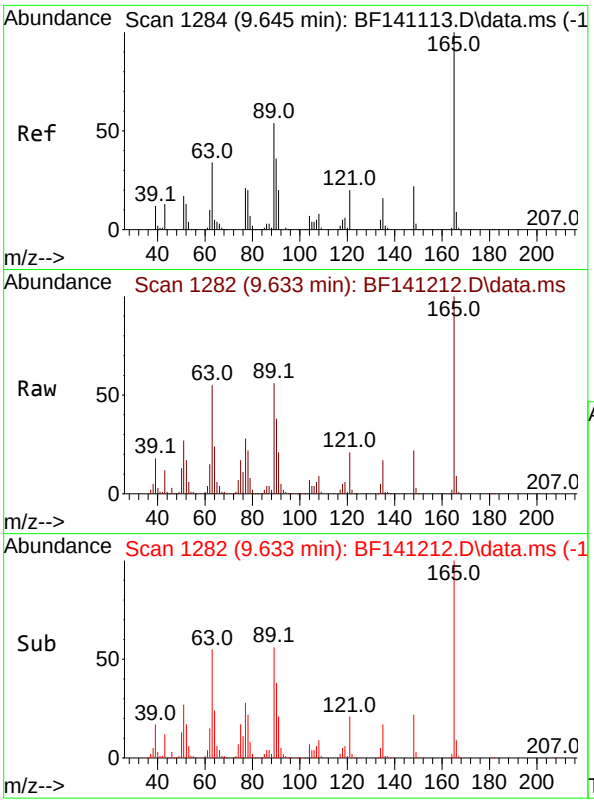


#50
Dimethylphthalate
Concen: 39.677 ng
RT: 9.575 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:163 Resp: 1010444

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.0	4.6
164	10.2	8.2	12.4



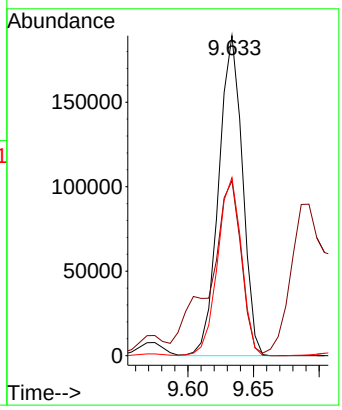


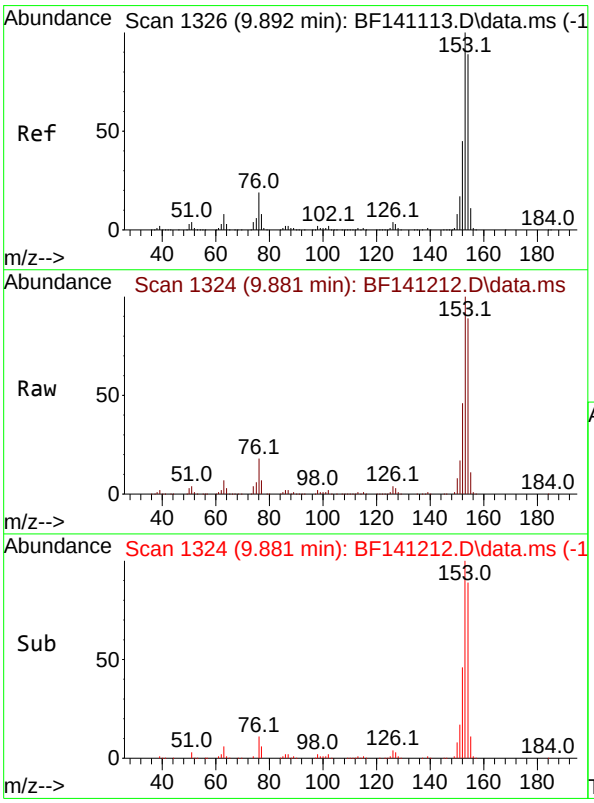
#51
2,6-Dinitrotoluene
Concen: 40.283 ng
RT: 9.633 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 238558

Ion	Ratio	Lower	Upper
165	100		
63	54.6	42.3	63.5
89	55.6	43.1	64.7

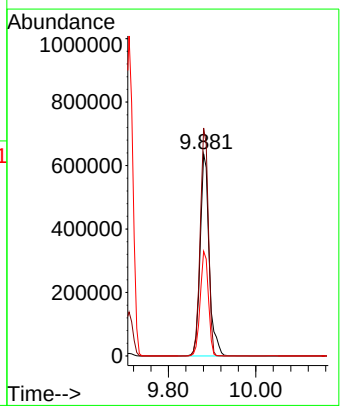


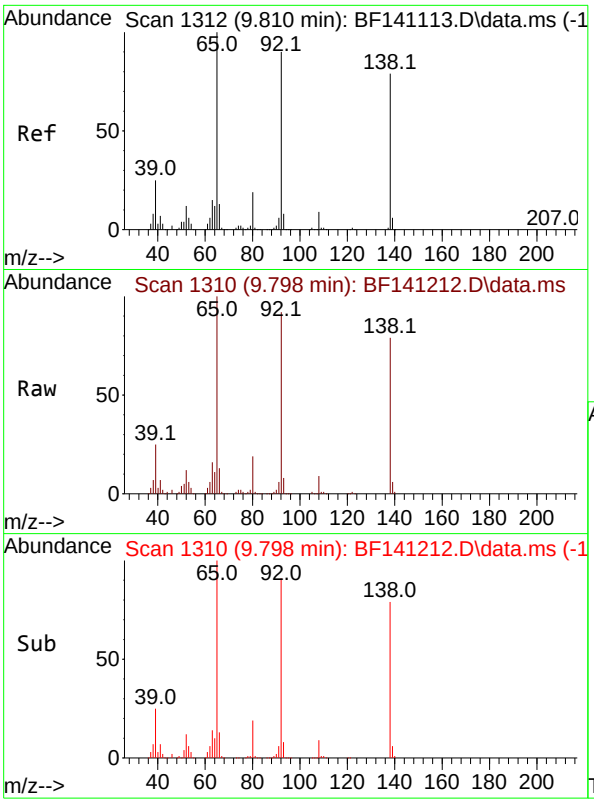


#52
Acenaphthene
Concen: 39.925 ng
RT: 9.881 min Scan# 1324
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:154 Resp: 914414

Ion	Ratio	Lower	Upper
154	100		
153	112.9	89.8	134.6
152	51.8	40.8	61.2



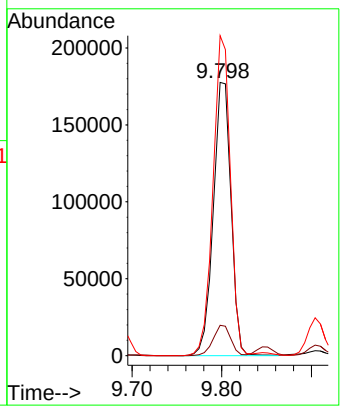


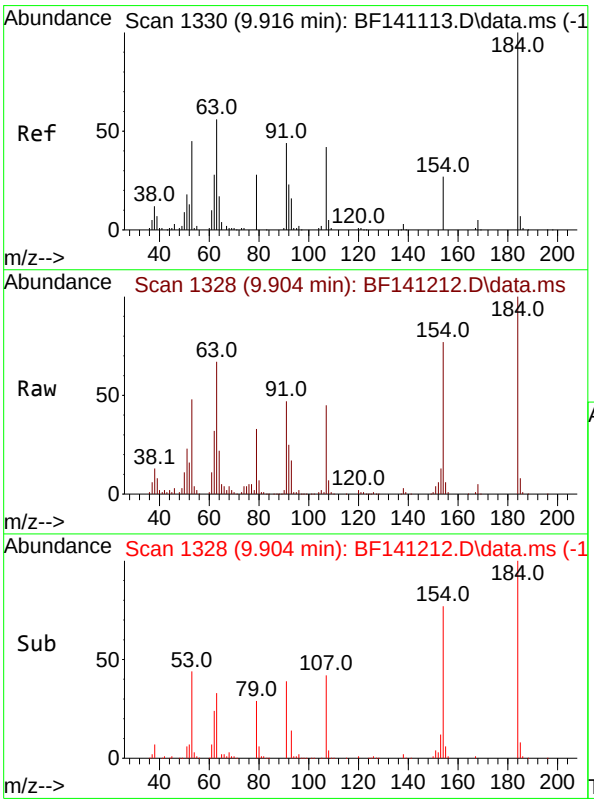
#53
3-Nitroaniline
Concen: 40.490 ng
RT: 9.798 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 243673

Ion	Ratio	Lower	Upper
138	100		
108	11.1	8.8	13.2
92	117.1	91.3	136.9

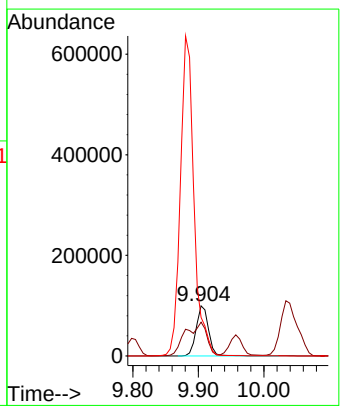


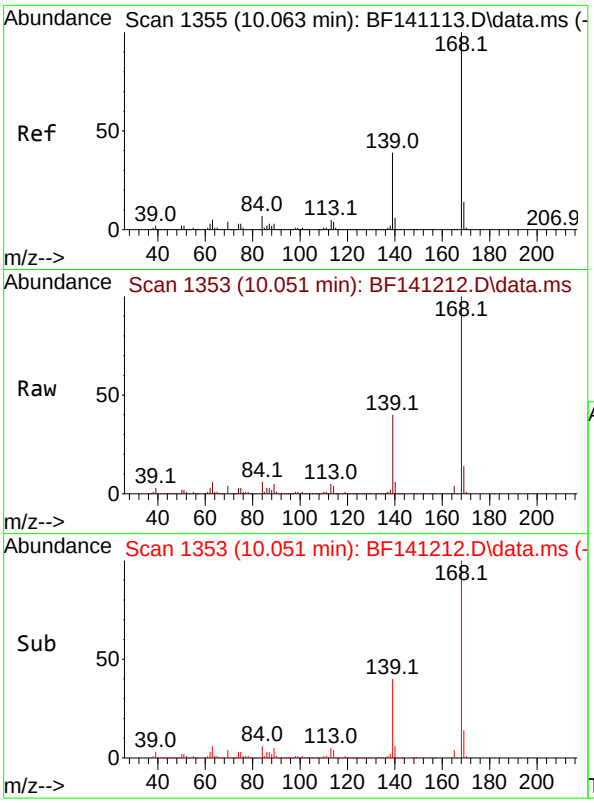


#54
2,4-Dinitrophenol
Concen: 46.326 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:184 Resp: 130404

Ion	Ratio	Lower	Upper
184	100		
63	67.2	48.7	73.1
154	76.8	57.1	85.7



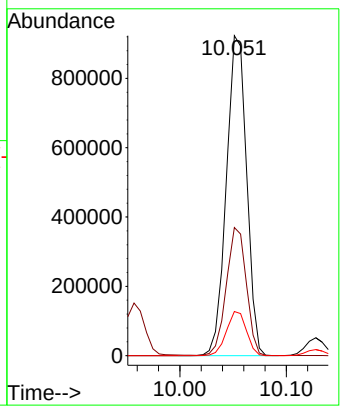


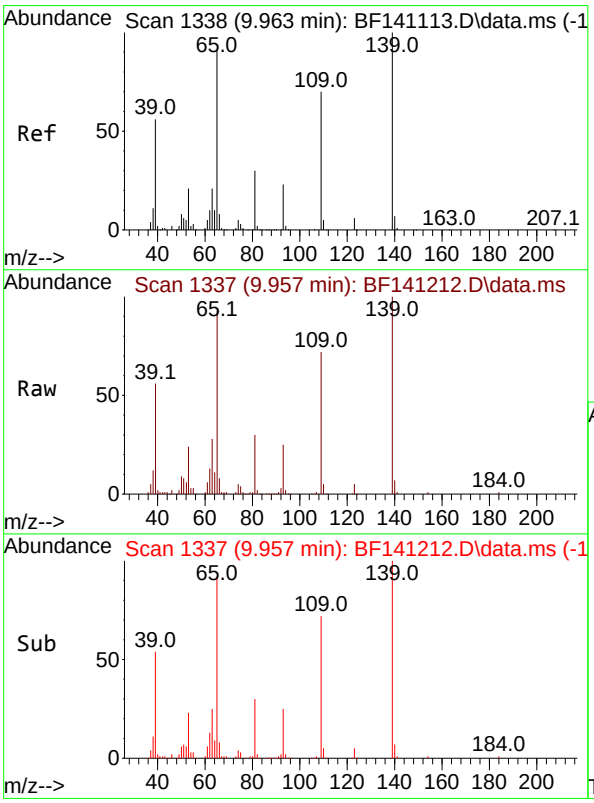
#55
Dibenzofuran
Concen: 39.152 ng
RT: 10.051 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 1219686

Ion	Ratio	Lower	Upper
168	100		
139	40.1	31.4	47.0
169	13.8	10.9	16.3

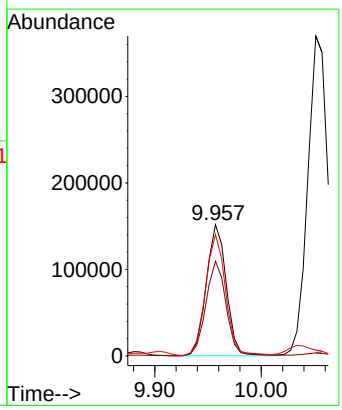


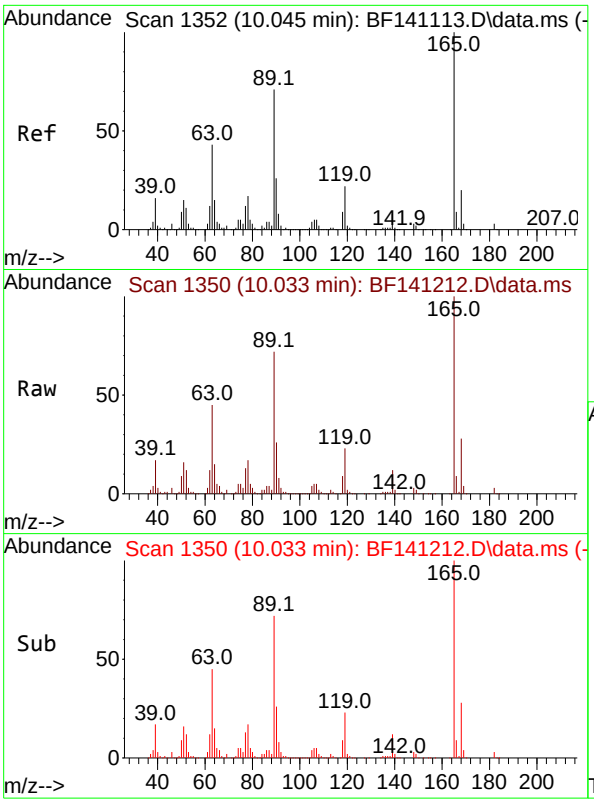


#56
4-Nitrophenol
Concen: 42.217 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.006 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:139 Resp: 198979

Ion	Ratio	Lower	Upper
139	100		
109	72.1	50.2	90.2
65	92.6	72.1	112.1



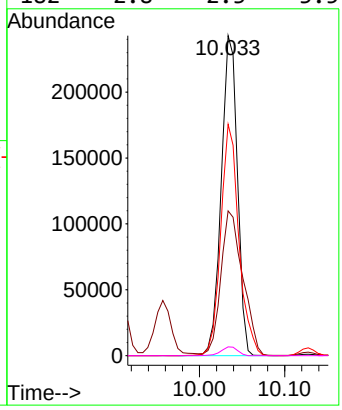


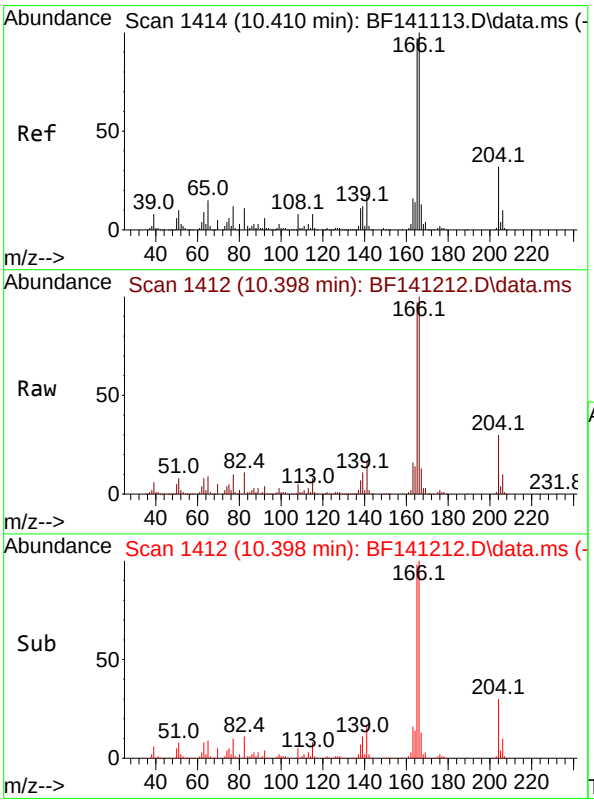
#57
2,4-Dinitrotoluene
Concen: 41.969 ng
RT: 10.033 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 320306

Ion	Ratio	Lower	Upper
165	100		
63	45.3	35.0	52.4
89	72.3	56.7	85.1
182	2.8	2.3	3.5

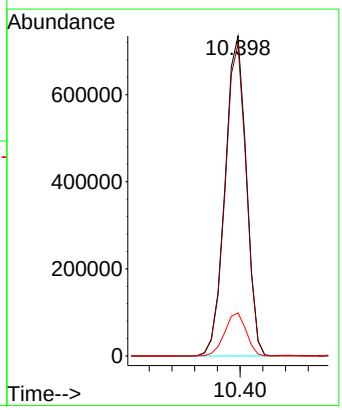


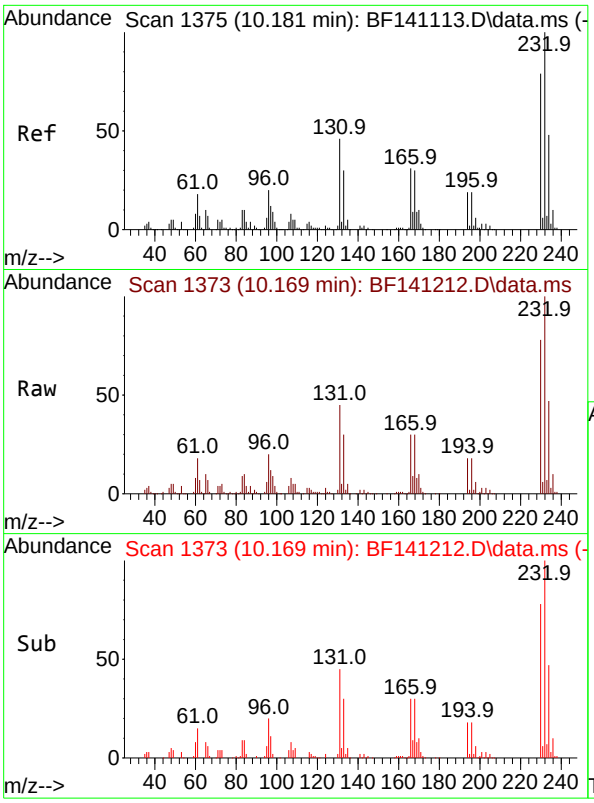


#58
Fluorene
Concen: 39.463 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:166 Resp: 955100

Ion	Ratio	Lower	Upper
166	100		
165	97.5	77.8	116.8
167	13.4	10.8	16.2



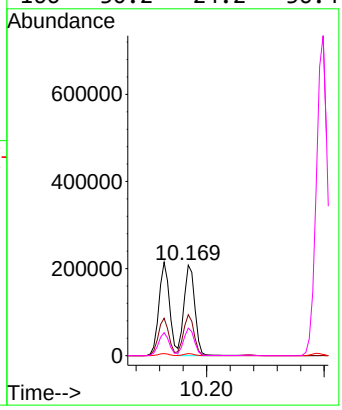


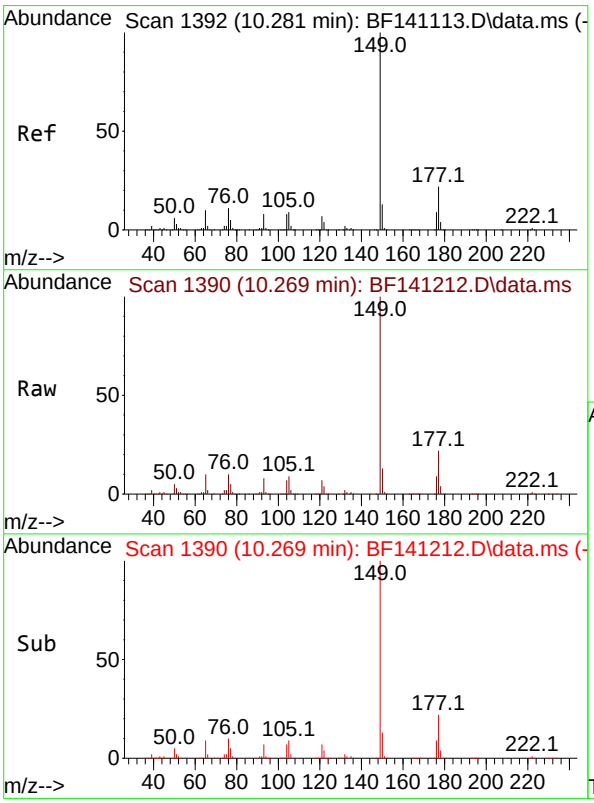
#59
2,3,4,6-Tetrachlorophenol
Concen: 41.061 ng
RT: 10.169 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 264691

Ion	Ratio	Lower	Upper
232	100		
131	44.8	36.2	54.4
130	2.2	2.0	3.0
166	30.2	24.2	36.4

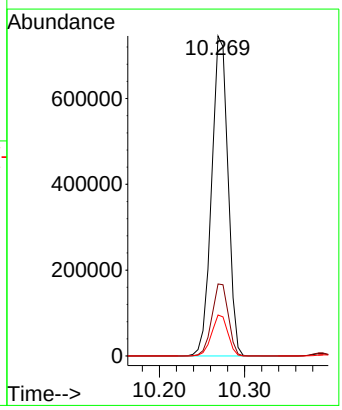


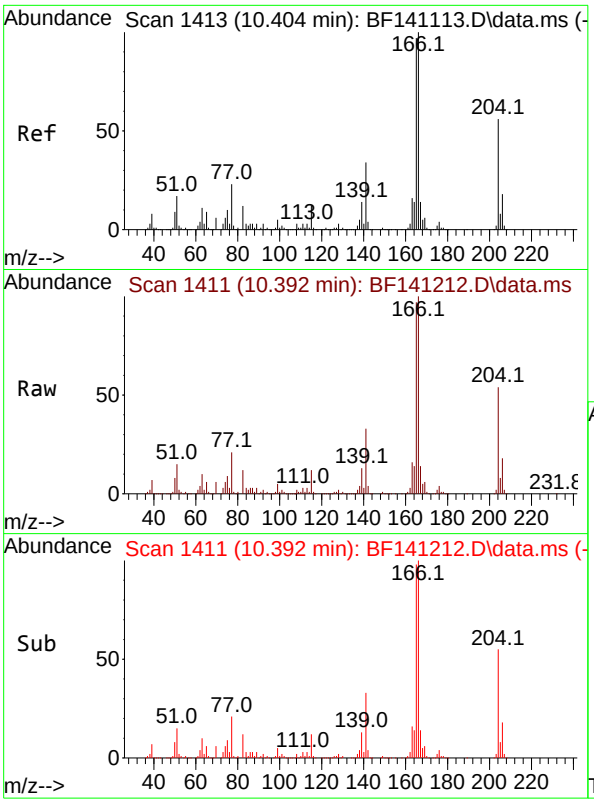


#60
Diethylphthalate
Concen: 39.892 ng
RT: 10.269 min Scan# 1390
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:149 Resp: 991777

Ion	Ratio	Lower	Upper
149	100		
177	22.5	17.9	26.9
150	12.8	10.2	15.2



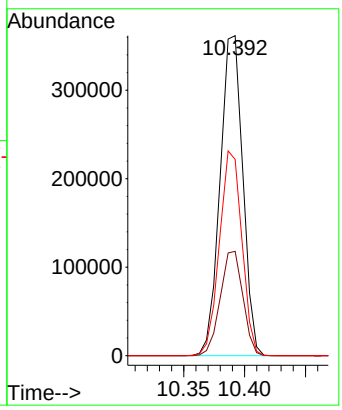


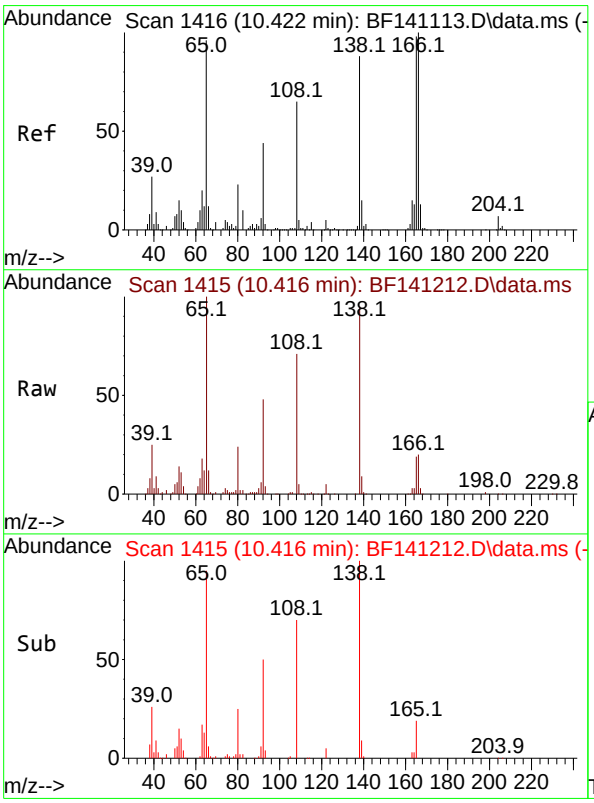
#61
4-Chlorophenyl-phenylether
Concen: 39.909 ng
RT: 10.392 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 470770

Ion	Ratio	Lower	Upper
204	100		
206	32.6	25.9	38.9
141	61.3	49.1	73.7

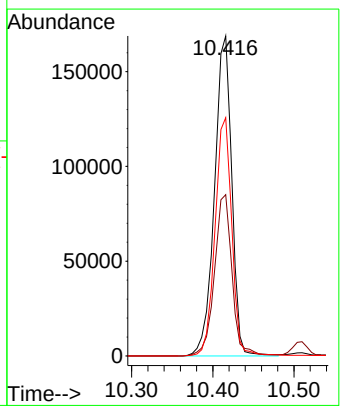


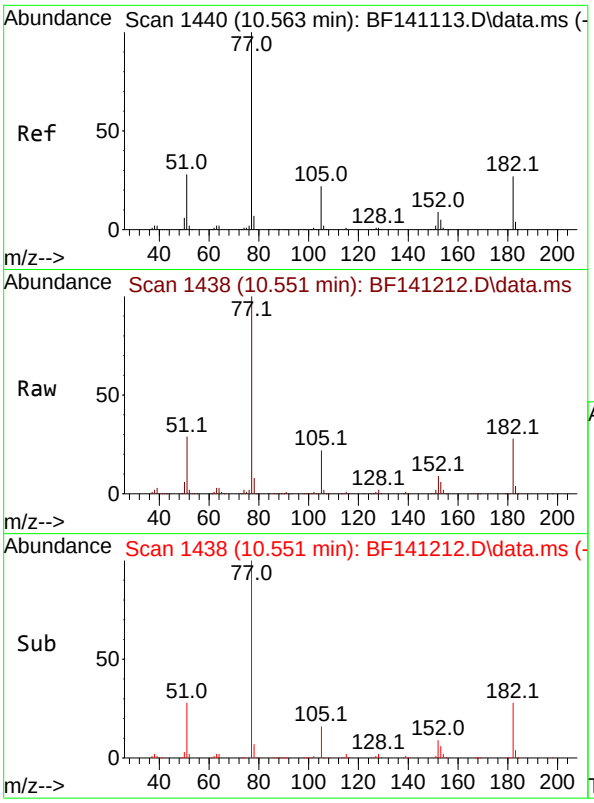


#62
4-Nitroaniline
Concen: 42.436 ng
RT: 10.416 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:138 Resp: 249961

Ion	Ratio	Lower	Upper
138	100		
92	50.4	29.4	69.4
108	74.5	53.7	93.7



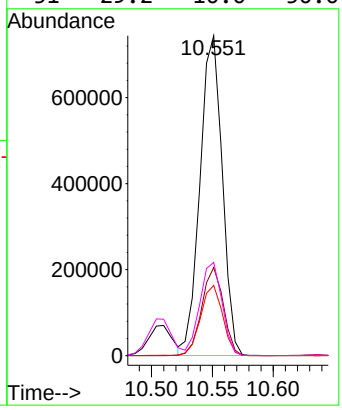


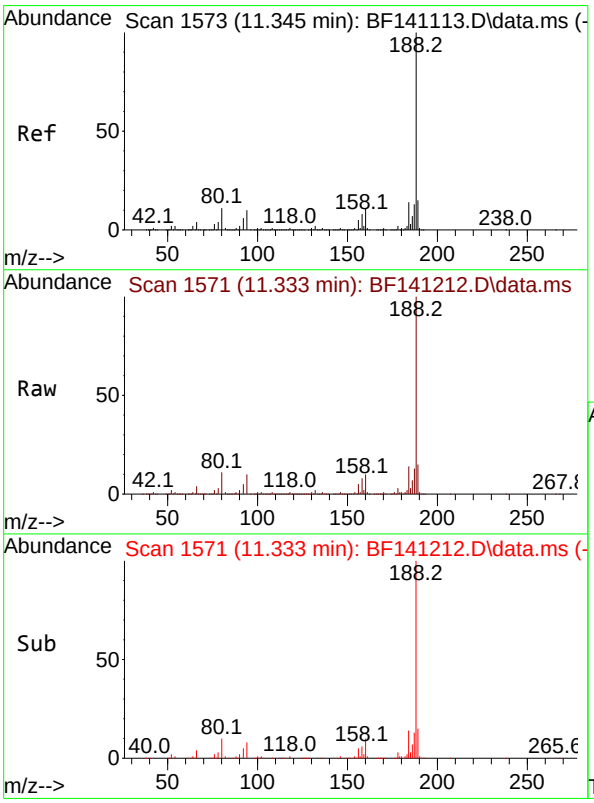
#63
Azobenzene
Concen: 38.592 ng
RT: 10.551 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 946738

Ion	Ratio	Lower	Upper
77	100		
182	27.6	6.1	46.1
105	21.9	2.1	42.1
51	29.2	10.0	50.0

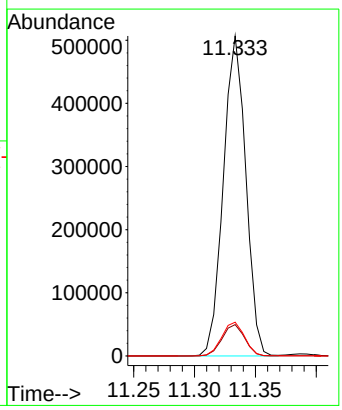


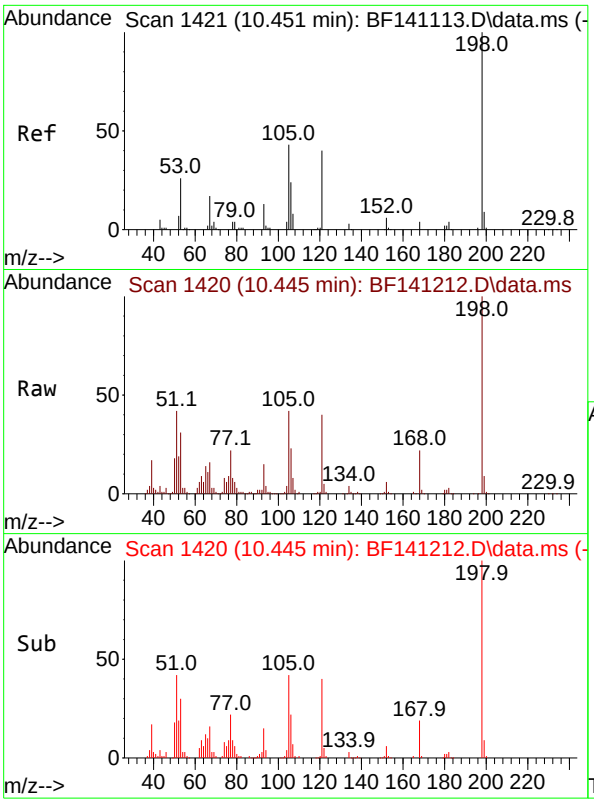


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.333 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:188 Resp: 651777

Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.3	12.5
80	10.6	9.0	13.4



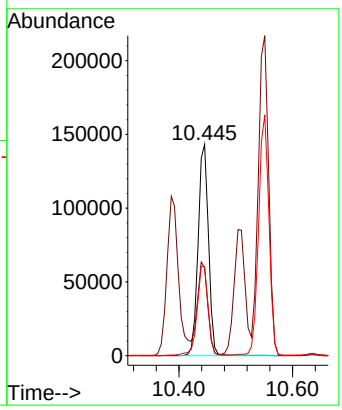


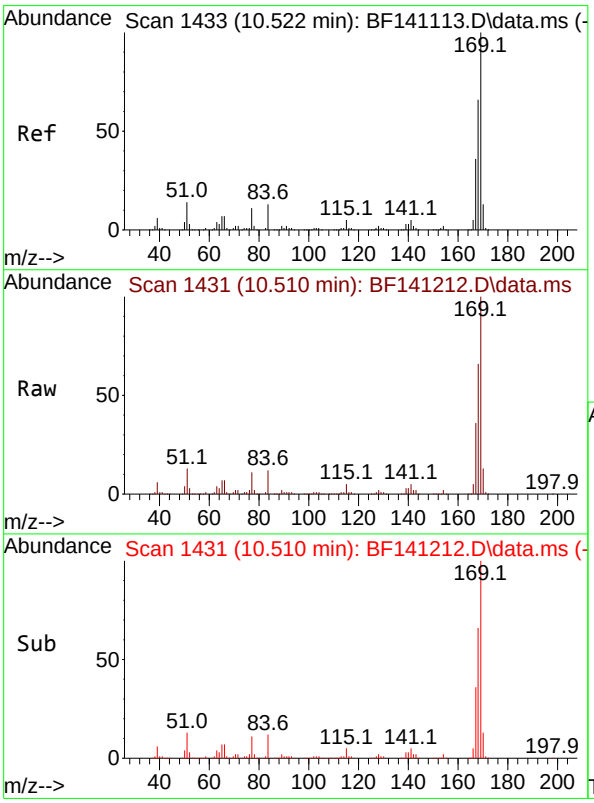
#65
4,6-Dinitro-2-methylphenol
Concen: 48.341 ng
RT: 10.445 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 182578

Ion	Ratio	Lower	Upper
198	100		
51	41.7	27.1	67.1
105	41.9	24.2	64.2

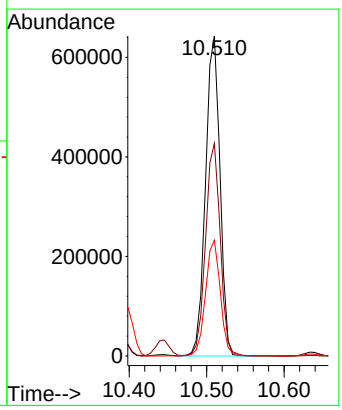


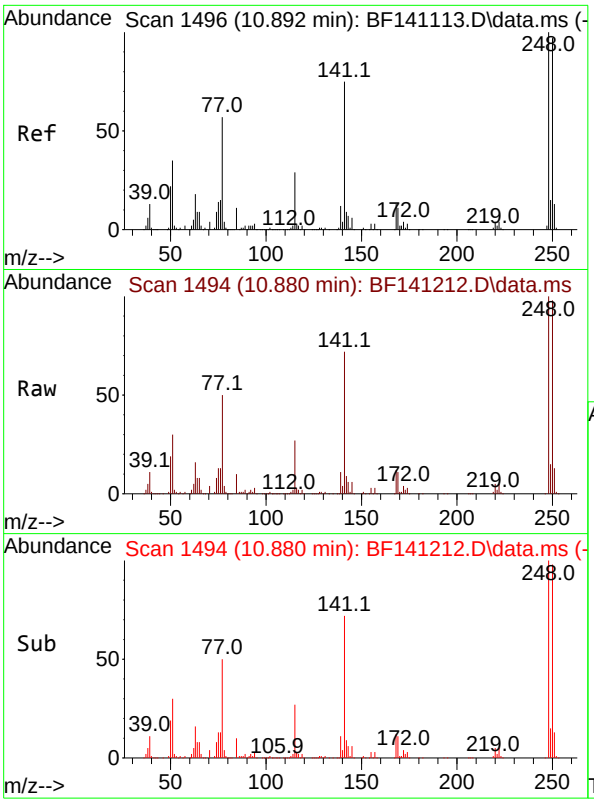


#66
n-Nitrosodiphenylamine
Concen: 39.521 ng
RT: 10.510 min Scan# 1431
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:169 Resp: 830832

Ion	Ratio	Lower	Upper
169	100		
168	66.4	52.5	78.7
167	36.2	28.9	43.3



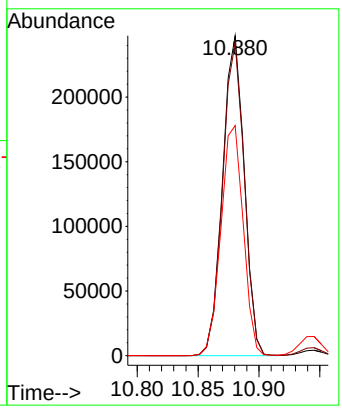


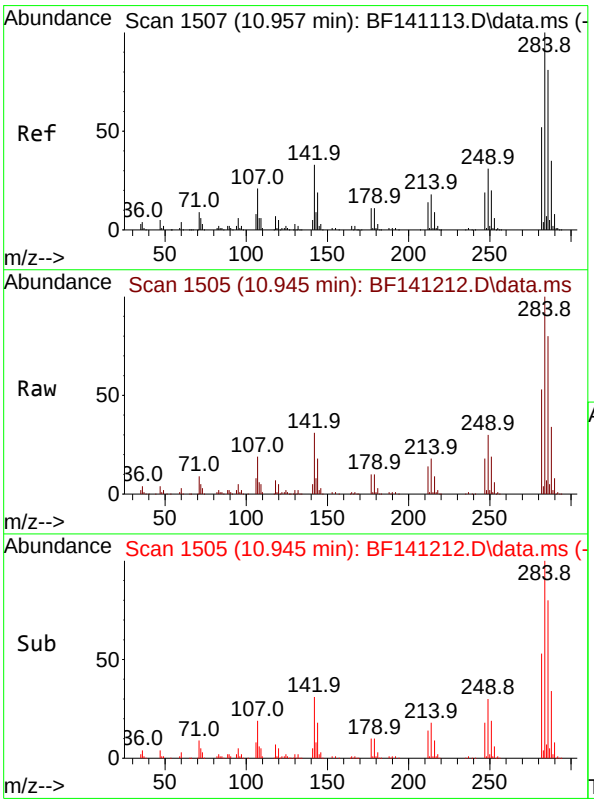
#67
4-Bromophenyl-phenylether
Concen: 40.988 ng
RT: 10.880 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 307567

Ion	Ratio	Lower	Upper
248	100		
250	97.8	77.9	116.9
141	71.9	59.9	89.9

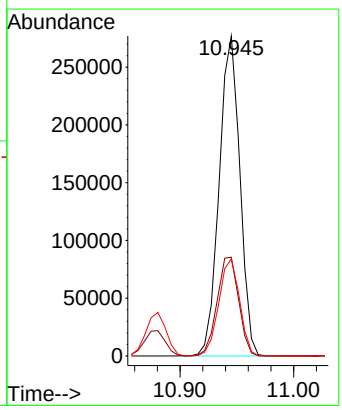


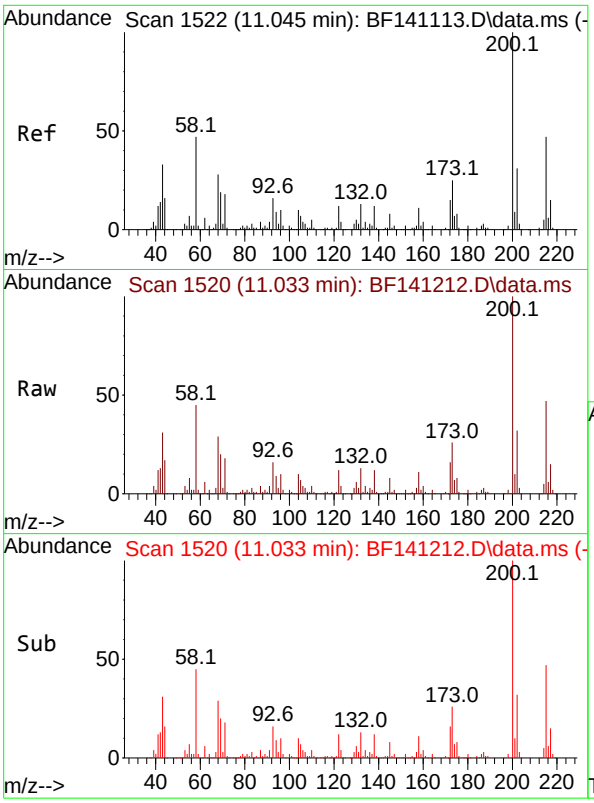


#68
Hexachlorobenzene
Concen: 41.949 ng
RT: 10.945 min Scan# 1505
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:284 Resp: 350408

Ion	Ratio	Lower	Upper
284	100		
142	30.9	26.3	39.5
249	30.4	24.9	37.3



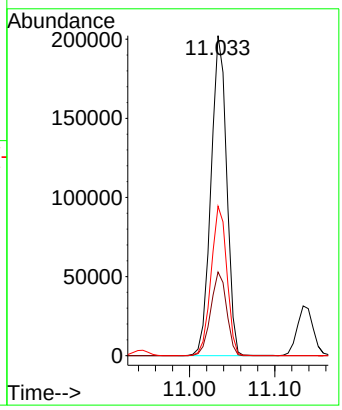


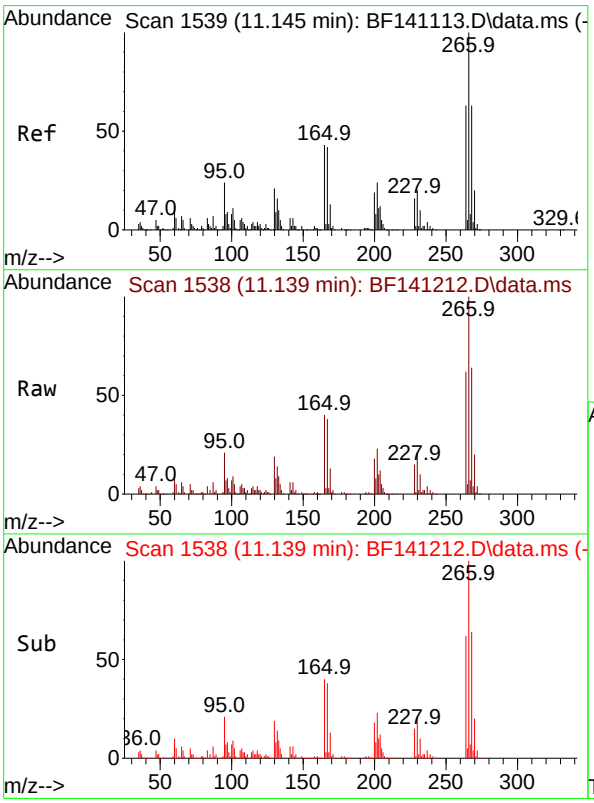
#69
Atrazine
Concen: 45.790 ng
RT: 11.033 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 259196

Ion	Ratio	Lower	Upper
200	100		
173	26.2	5.4	45.4
215	46.7	26.6	66.6

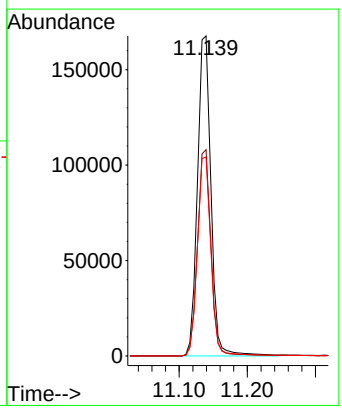


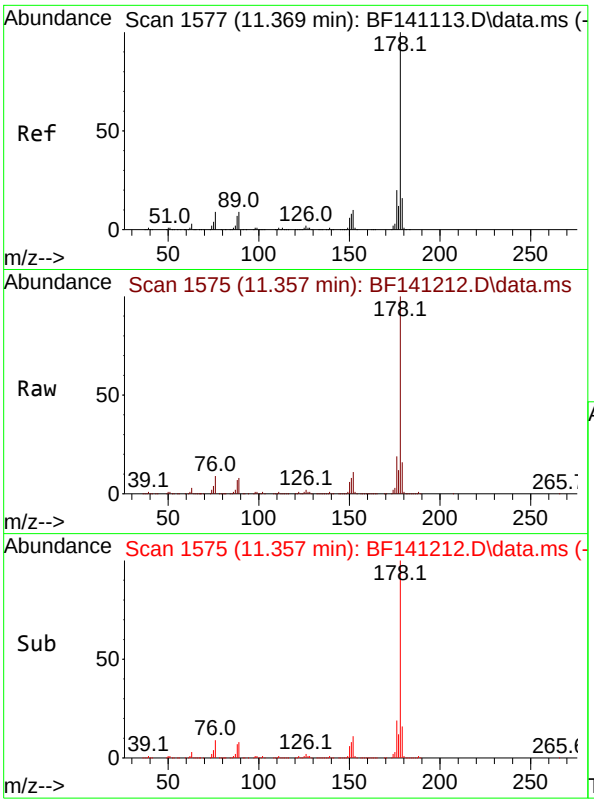


#70
Pentachlorophenol
Concen: 43.036 ng
RT: 11.139 min Scan# 1538
Delta R.T. -0.006 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:266 Resp: 230220

Ion	Ratio	Lower	Upper
266	100		
268	64.5	50.4	75.6
264	62.2	50.2	75.2



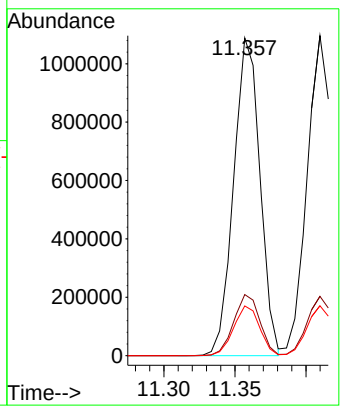


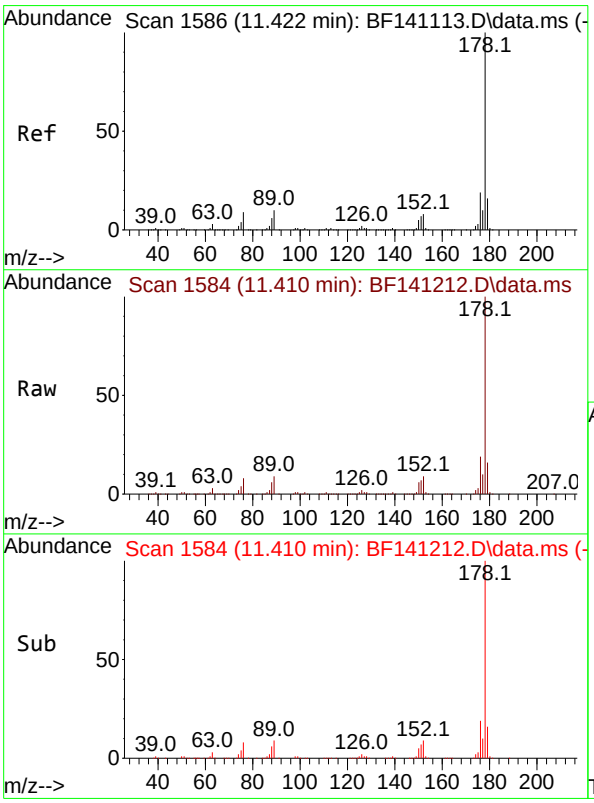
#71
Phenanthrene
Concen: 40.054 ng
RT: 11.357 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 1401546

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.7	23.5
179	15.7	12.6	19.0

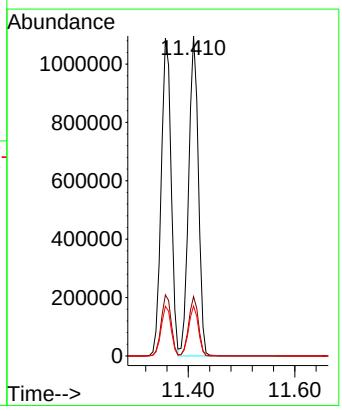


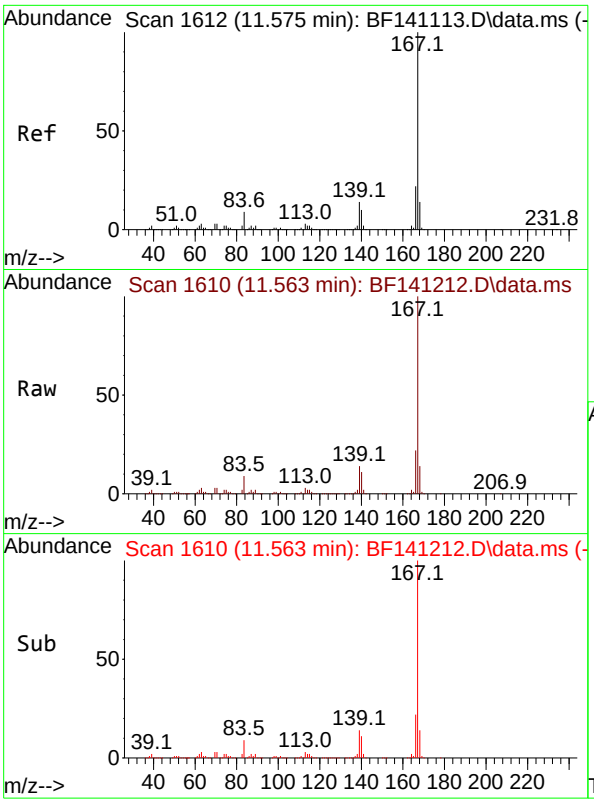


#72
Anthracene
Concen: 40.747 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:178 Resp: 1386401

Ion	Ratio	Lower	Upper
178	100		
176	18.6	14.9	22.3
179	15.6	12.6	19.0



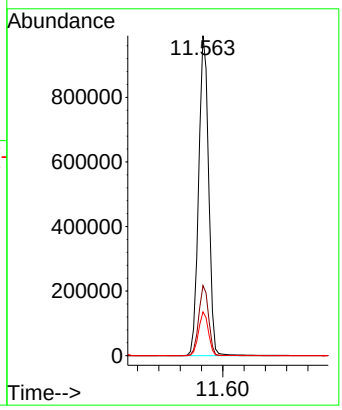


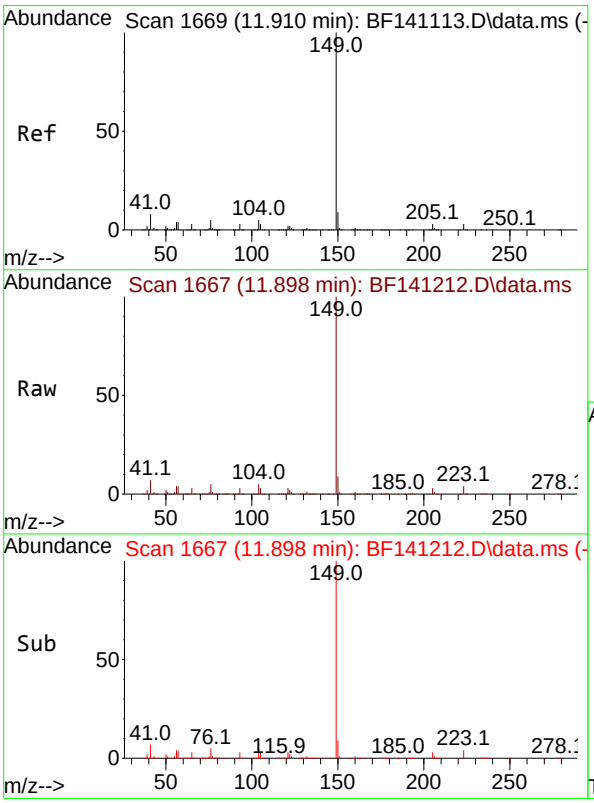
#73
Carbazole
Concen: 41.294 ng
RT: 11.563 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 1288279

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.4	26.2
139	13.7	10.9	16.3

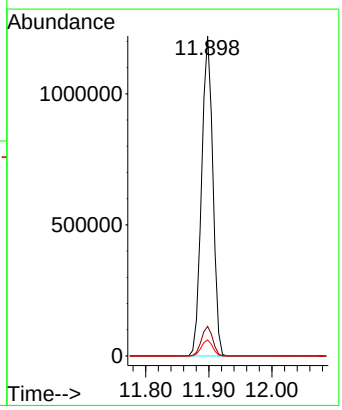


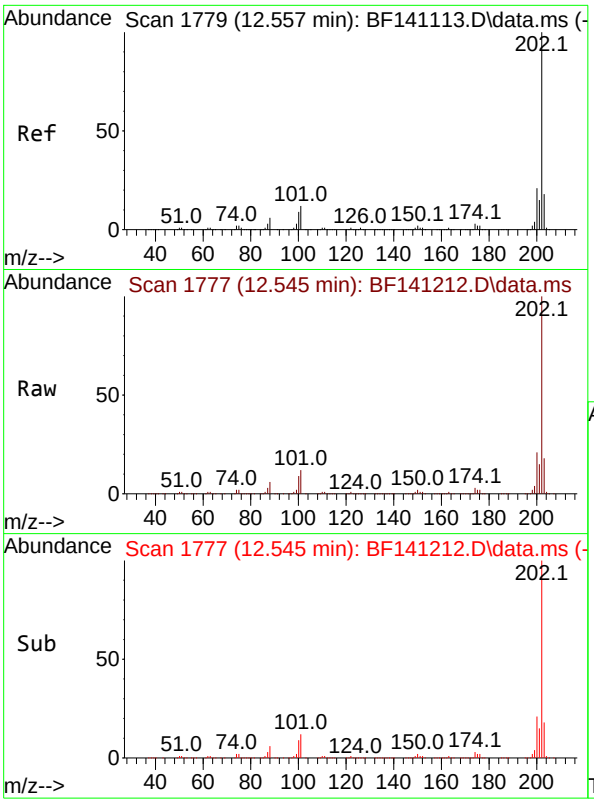


#74
Di-n-butylphthalate
Concen: 42.220 ng
RT: 11.898 min Scan# 1667
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:149 Resp: 1507420

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	5.0	4.2	6.2



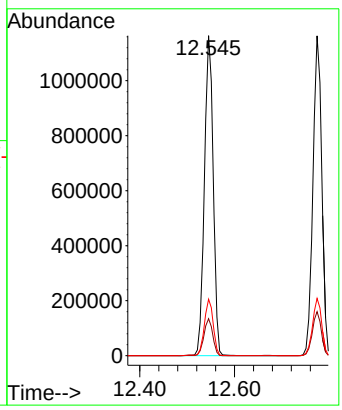


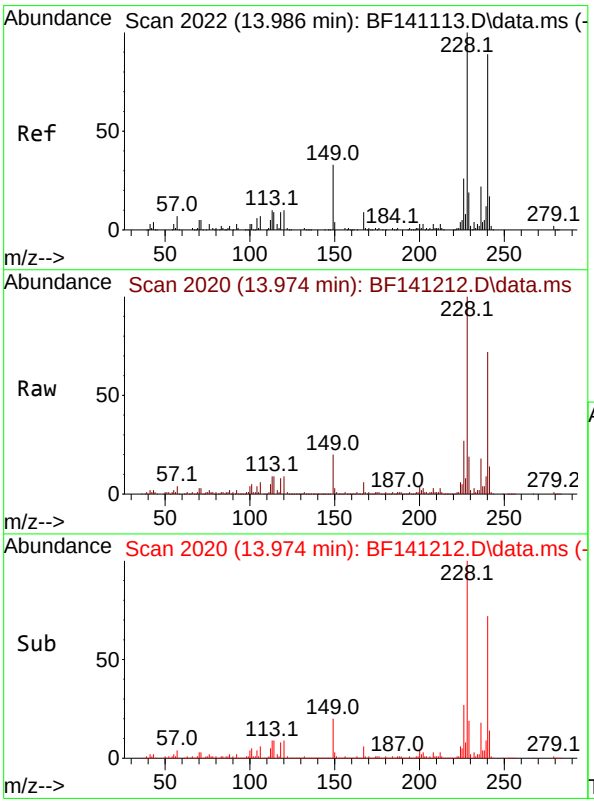
#75
Fluoranthene
Concen: 43.134 ng
RT: 12.545 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 1506192

Ion	Ratio	Lower	Upper
202	100		
101	11.6	0.0	32.3
203	17.6	0.0	37.7

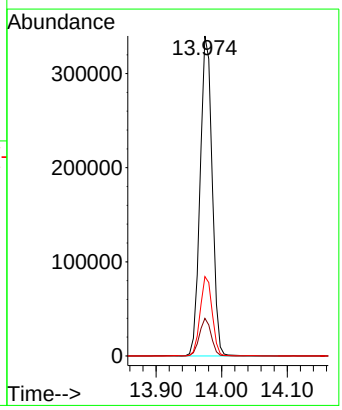


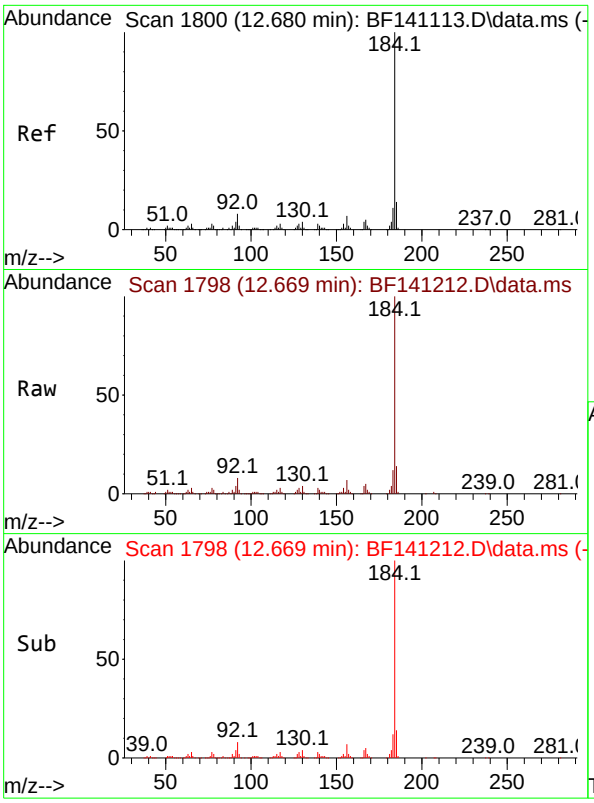


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:240 Resp: 435133

Ion	Ratio	Lower	Upper
240	100		
120	11.8	9.1	13.7
236	24.8	19.8	29.6



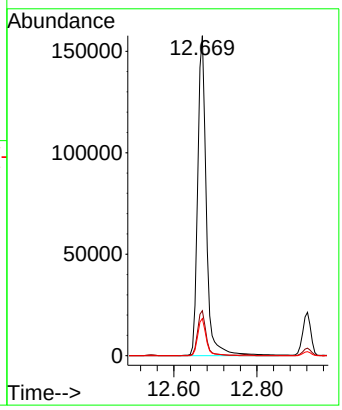


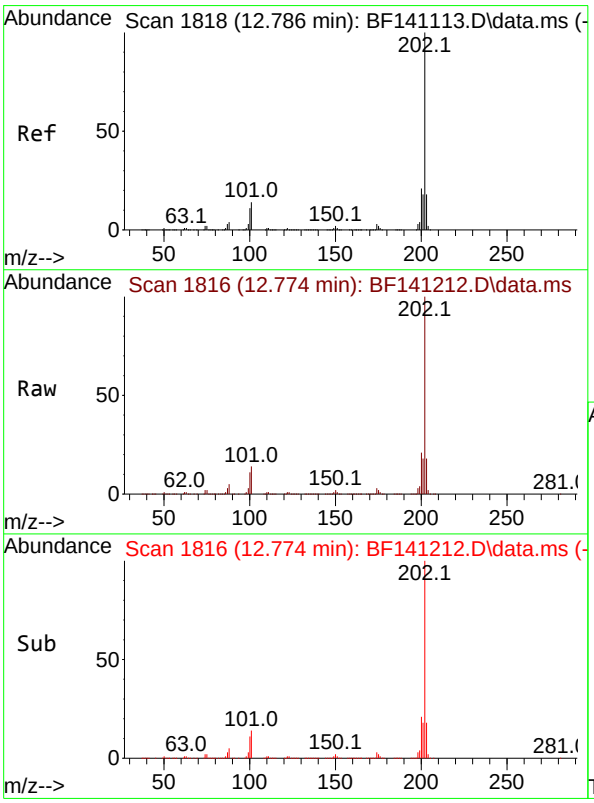
#77
Benzidine
Concen: 28.113 ng
RT: 12.669 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 226849

Ion	Ratio	Lower	Upper
184	100		
185	14.1	11.4	17.0
183	11.6	9.2	13.8

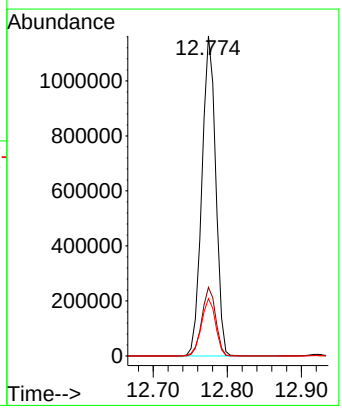


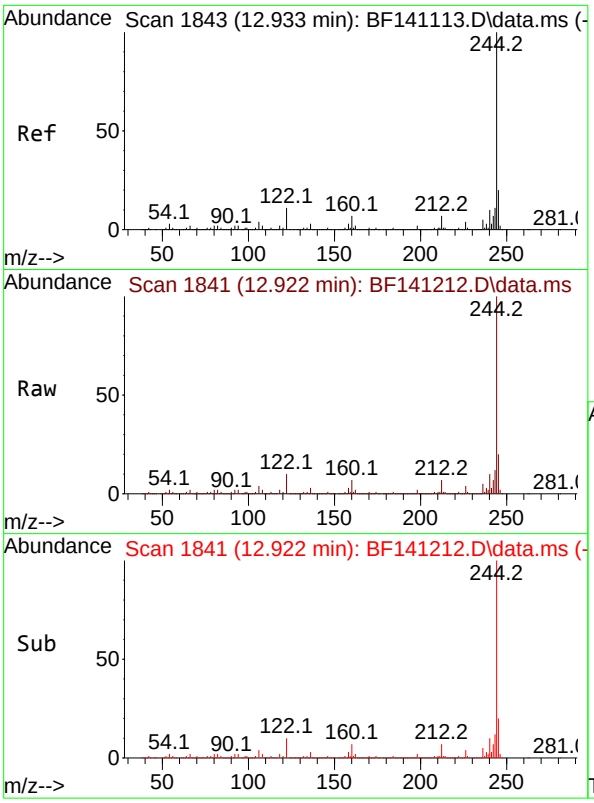


#78
Pyrene
Concen: 36.356 ng
RT: 12.774 min Scan# 1816
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:202 Resp: 1510983

Ion	Ratio	Lower	Upper
202	100		
200	21.5	16.8	25.2
203	17.9	14.3	21.5



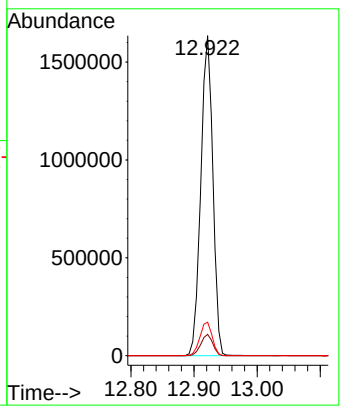


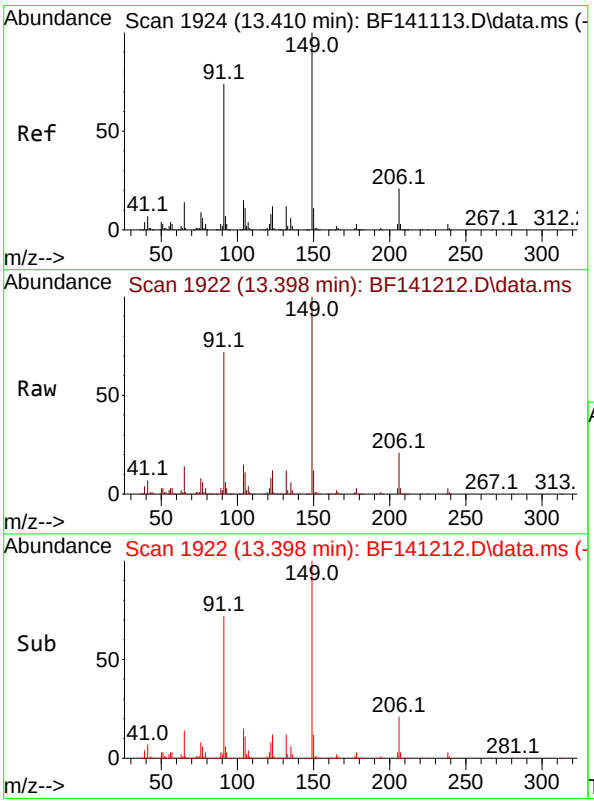
#79
Terphenyl-d14
Concen: 74.080 ng
RT: 12.922 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 2168767

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.2
122	10.5	8.8	13.2

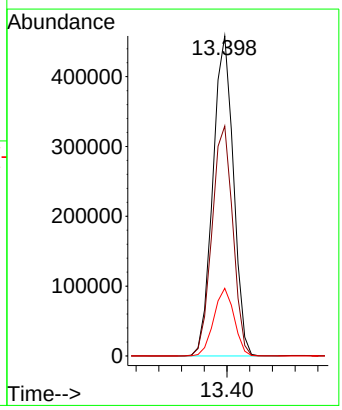


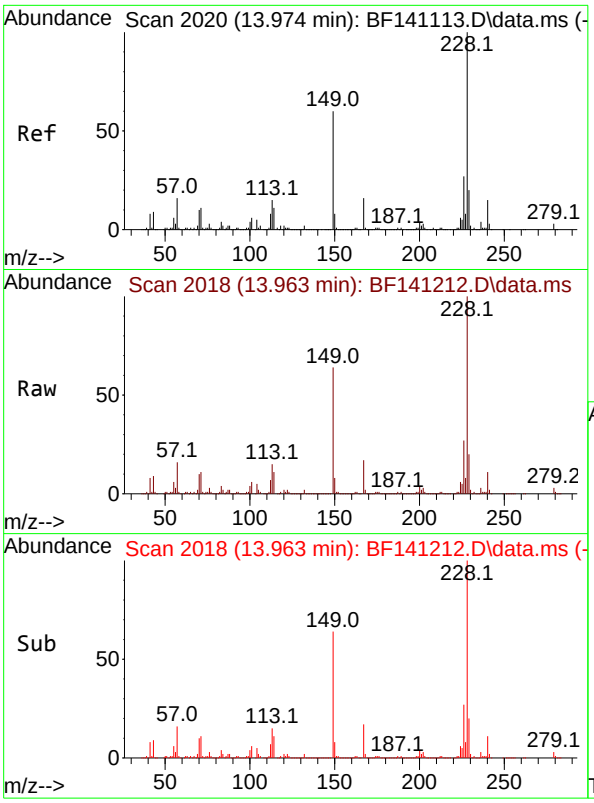


#80
Butylbenzylphthalate
Concen: 41.520 ng
RT: 13.398 min Scan# 1922
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:149 Resp: 575326

Ion	Ratio	Lower	Upper
149	100		
91	71.9	59.0	88.6
206	21.1	16.5	24.7



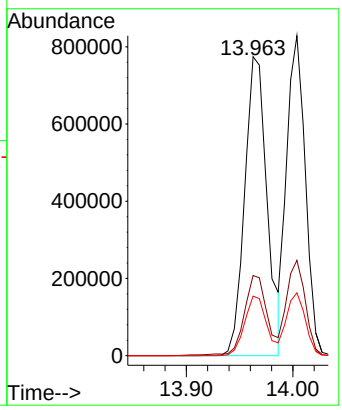


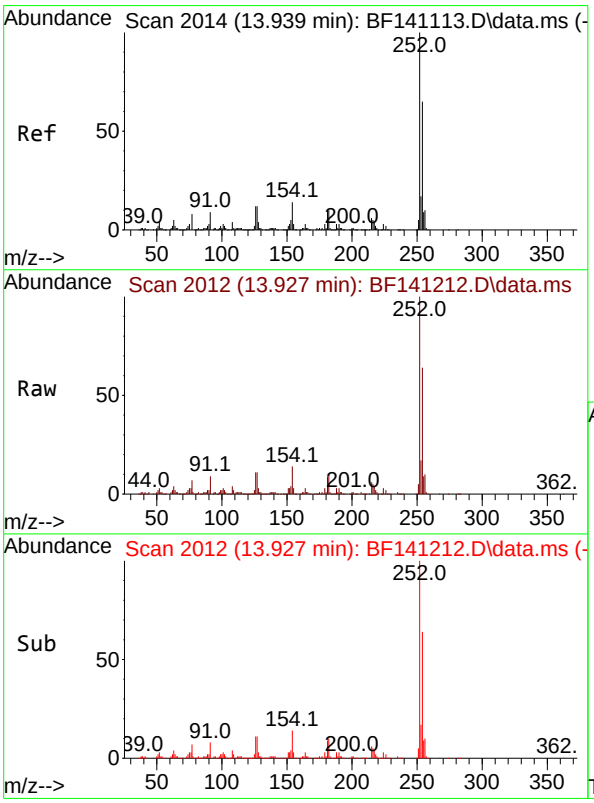
#81
Benzo(a)anthracene
Concen: 38.283 ng
RT: 13.963 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 1133698

Ion	Ratio	Lower	Upper
228	100		
226	26.8	21.7	32.5
229	19.9	15.7	23.5

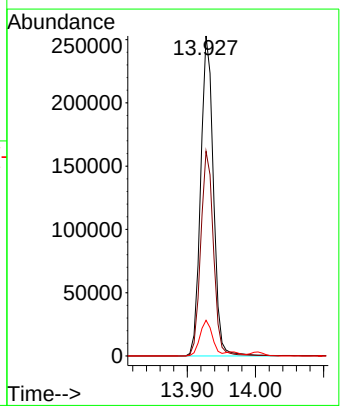


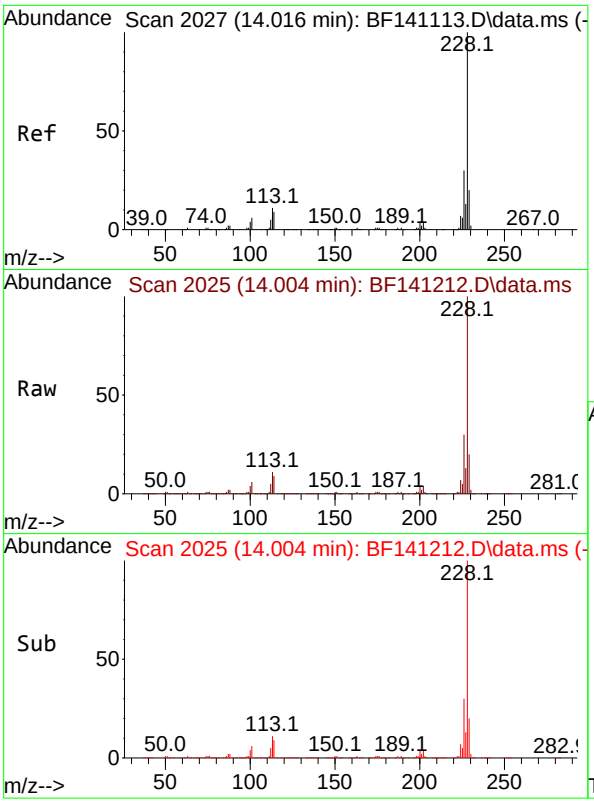


#82
3,3'-Dichlorobenzidine
Concen: 34.842 ng
RT: 13.927 min Scan# 2012
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:252 Resp: 328537

Ion	Ratio	Lower	Upper
252	100		
254	64.0	52.0	78.0
126	11.2	9.4	14.0



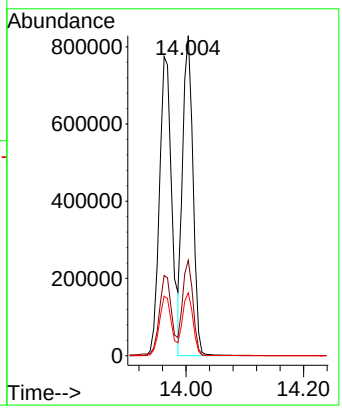


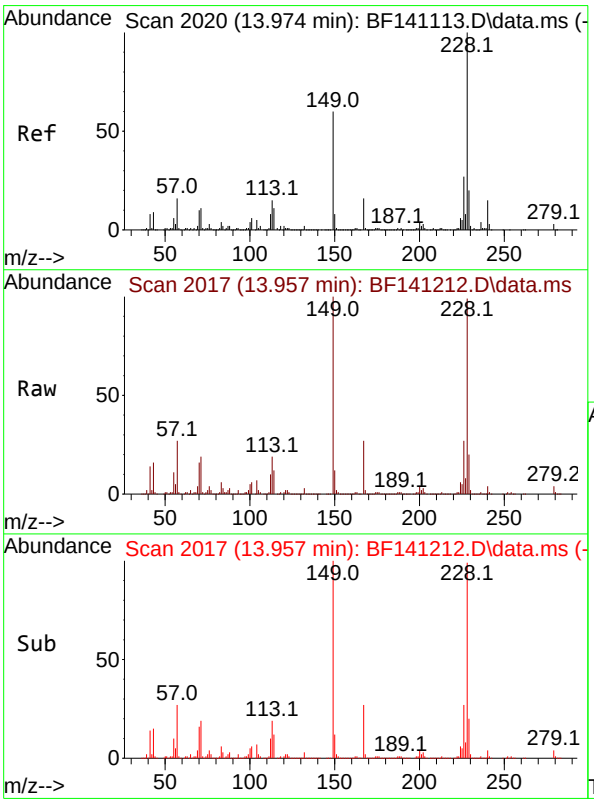
#83
Chrysene
Concen: 36.630 ng
RT: 14.004 min Scan# 2(
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 1014991

Ion	Ratio	Lower	Upper
228	100		
226	29.8	23.8	35.8
229	19.7	15.8	23.8

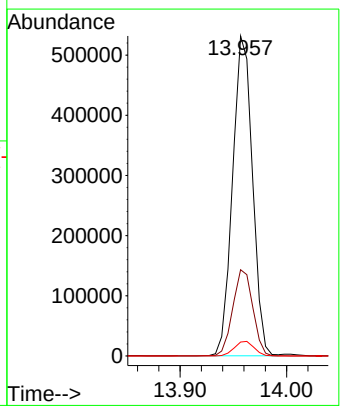


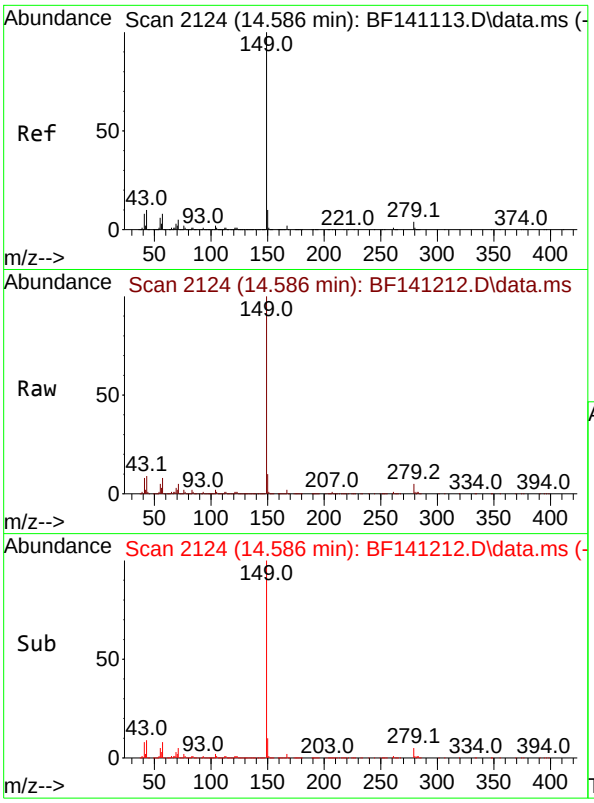


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.510 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.018 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:149 Resp: 690140

Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.4	32.2
279	4.4	3.4	5.2



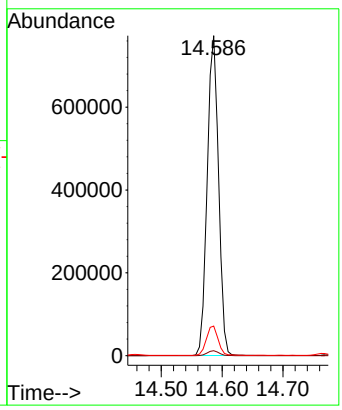


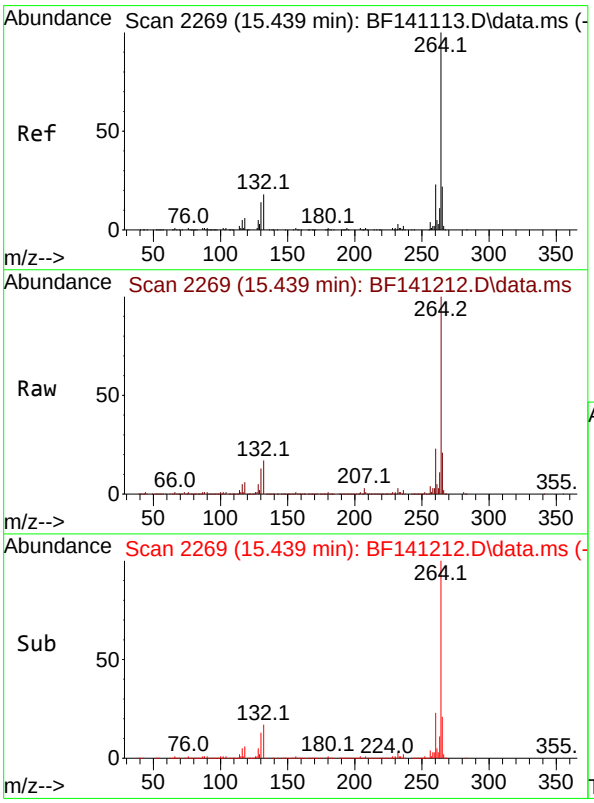
#85
Di-n-octyl phthalate
Concen: 39.765 ng
RT: 14.586 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 998346

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.3	1.9
43	9.6	8.4	12.6

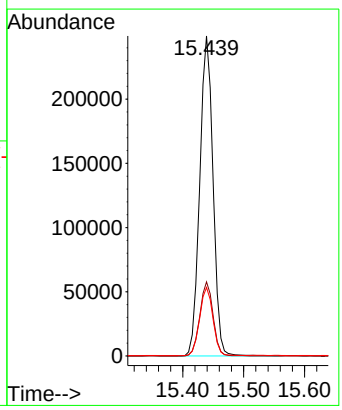


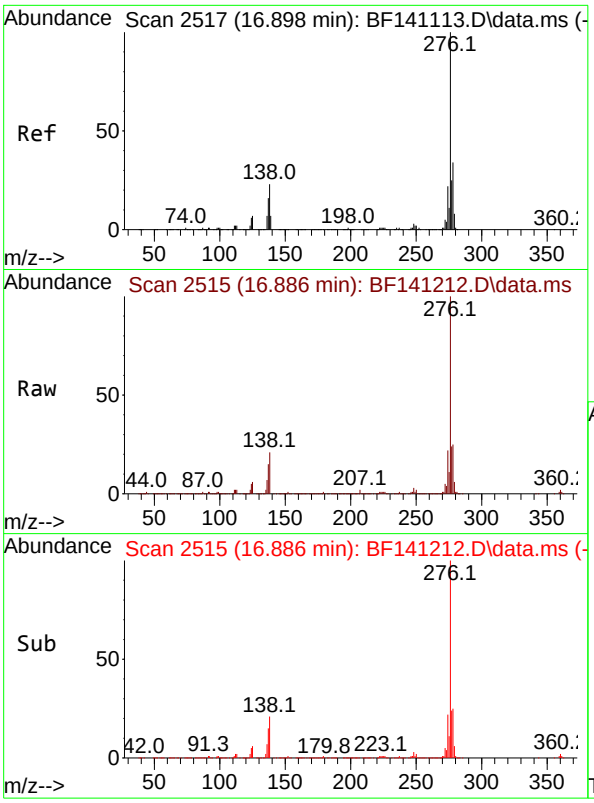


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. 0.000 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:264 Resp: 378255

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.6	28.0
265	21.4	17.4	26.0



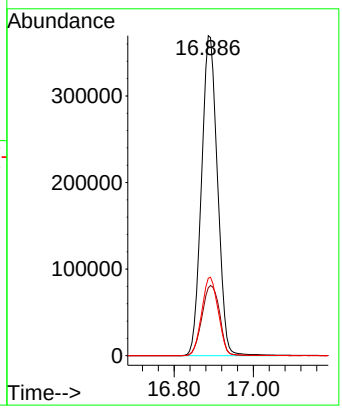


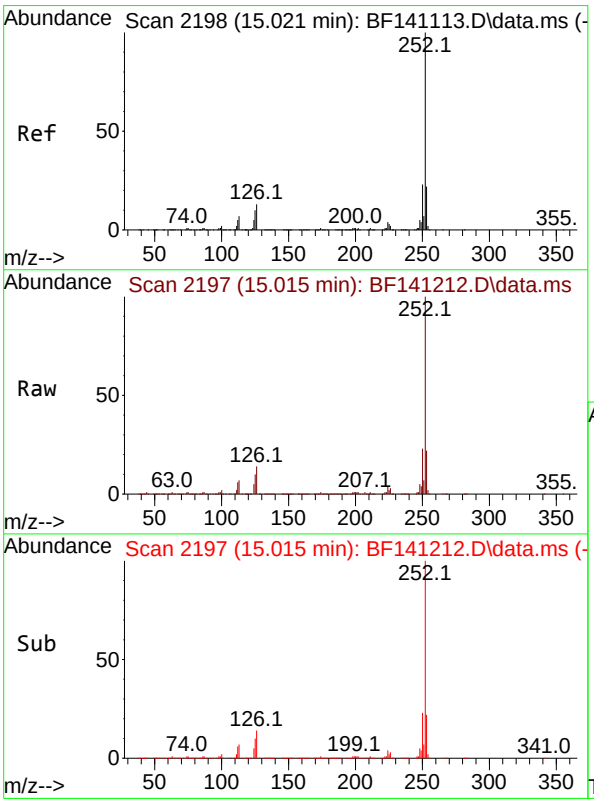
#87
Indeno(1,2,3-cd)pyrene
Concen: 37.377 ng
RT: 16.886 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 1035784

Ion	Ratio	Lower	Upper
276	100		
138	24.2	20.7	31.1
277	25.3	20.6	30.8

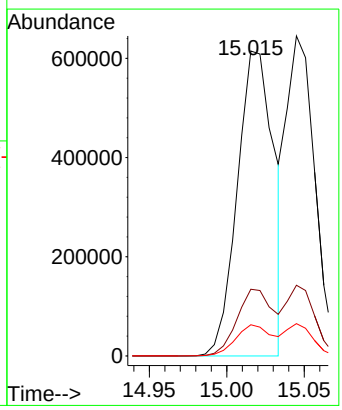


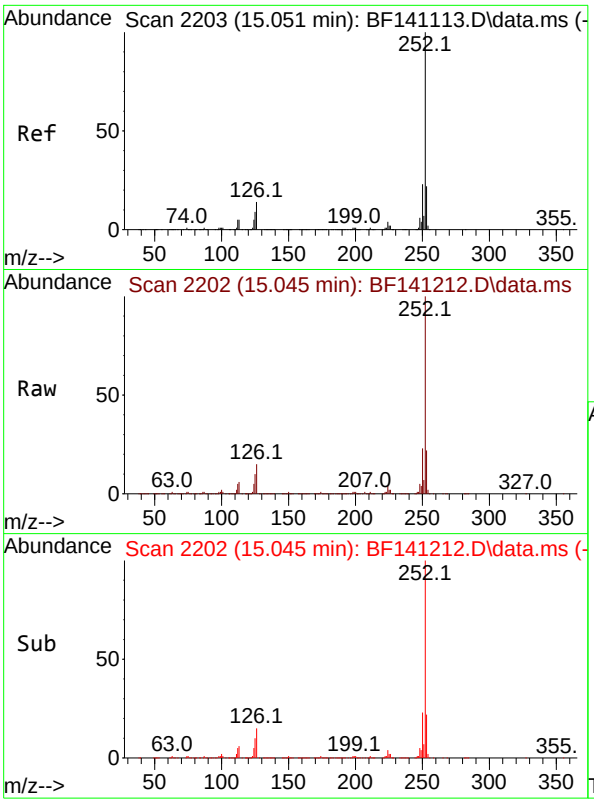


#88
Benzo(b)fluoranthene
Concen: 41.435 ng
RT: 15.015 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:252 Resp: 1010647

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.6
125	10.2	8.1	12.1



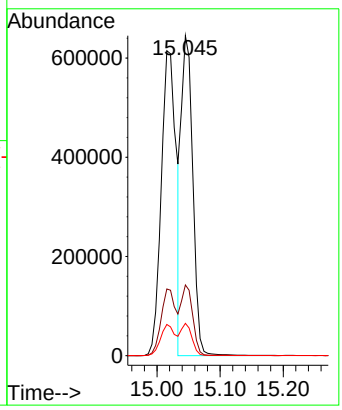


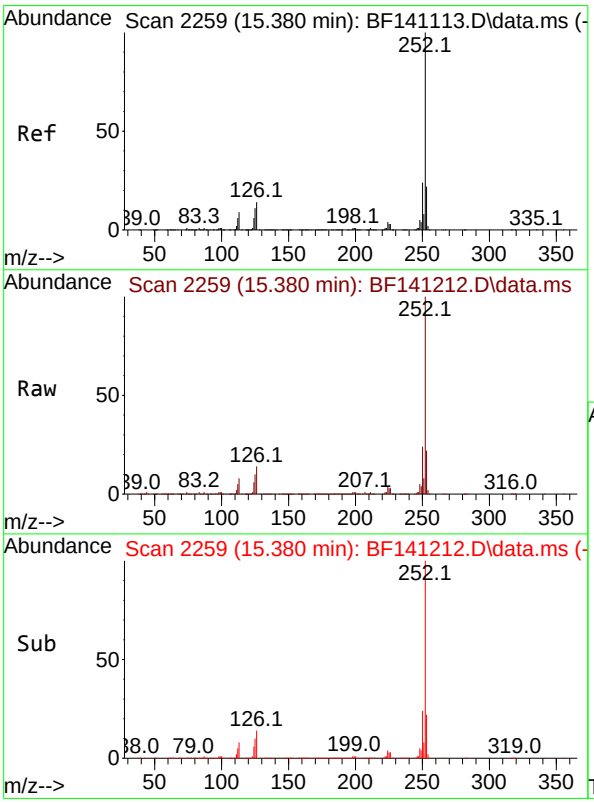
#89
Benzo(k)fluoranthene
Concen: 39.784 ng
RT: 15.045 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 820048

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.8
125	10.1	7.9	11.9

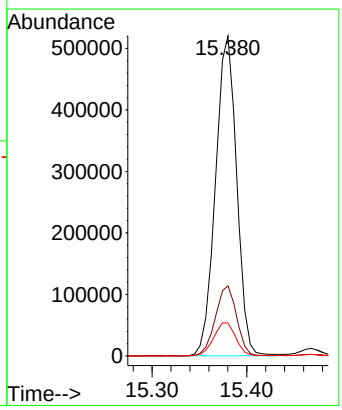


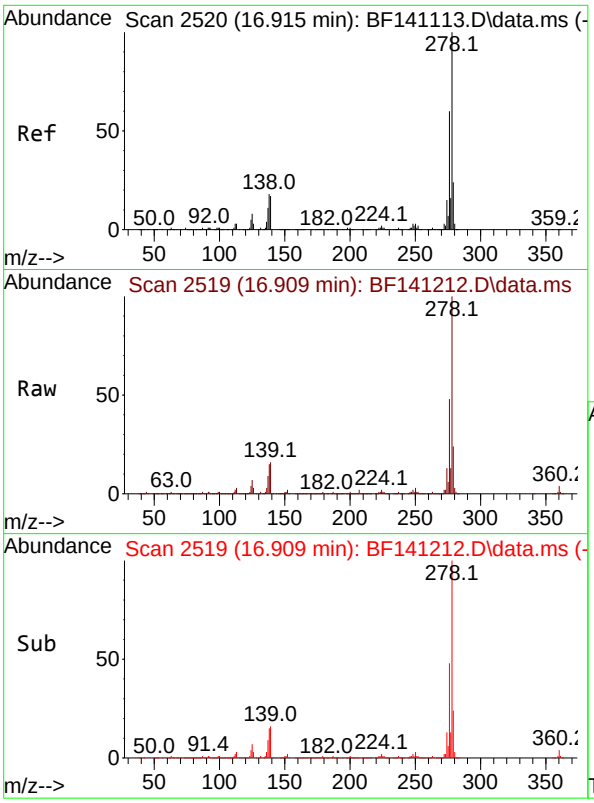


#90
Benzo(a)pyrene
Concen: 40.203 ng
RT: 15.380 min Scan# 2259
Delta R.T. 0.000 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:252 Resp: 809044

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	10.3	9.1	13.7



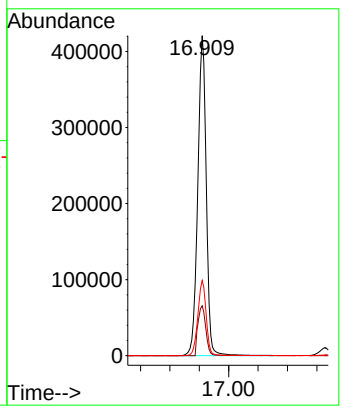


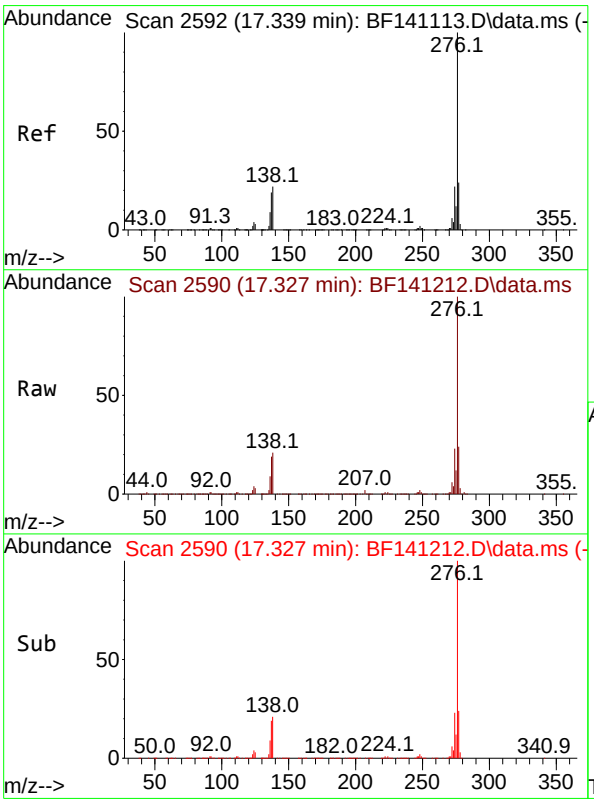
#91
Dibenzo(a,h)anthracene
Concen: 37.699 ng
RT: 16.909 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 844969

Ion	Ratio	Lower	Upper
278	100		
139	15.6	13.8	20.6
279	23.5	19.1	28.7

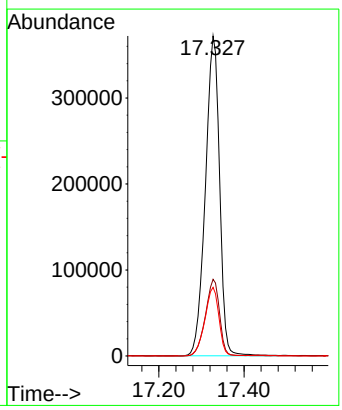




#92
Benzo(g,h,i)perylene
Concen: 36.788 ng
RT: 17.327 min Scan# 2590
Delta R.T. -0.012 min
Lab File: BF141212.D
Acq: 20 Jan 2025 10:37

Tgt Ion:276 Resp: 857662

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.0	28.4
138	21.5	17.4	26.2



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141218.D
Acq On : 20 Jan 2025 13:15
Operator : RC/JU
Sample : PB166117BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166117BS

Quant Time: Jan 20 13:42:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.810	152	161782	20.000	ng		-0.01
21) Naphthalene-d8	8.092	136	655900	20.000	ng		-0.01
39) Acenaphthene-d10	9.845	164	349277	20.000	ng		-0.02
64) Phenanthrene-d10	11.333	188	596700	20.000	ng		-0.01
76) Chrysene-d12	13.974	240	391687	20.000	ng		-0.01
86) Perylene-d12	15.427	264	341954	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.434	112	1423767	135.951	ng		0.00
7) Phenol-d6	6.445	99	1795032	135.312	ng		0.00
23) Nitrobenzene-d5	7.375	82	1171438	94.673	ng		-0.01
42) 2,4,6-Tribromophenol	10.639	330	626751	157.484	ng		-0.01
45) 2-Fluorobiphenyl	9.169	172	2181161	95.361	ng		-0.01
79) Terphenyl-d14	12.922	244	2543164	96.504	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.634	88	192401	41.256	ng		97
3) Pyridine	3.363	79	471124	41.195	ng		97
4) n-Nitrosodimethylamine	3.316	42	260142	46.521	ng		98
6) Aniline	6.475	93	479011	40.670	ng	#	89
8) 2-Chlorophenol	6.598	128	574035	51.089	ng		96
9) Benzaldehyde	6.357	77	64923	8.309	ng		99
10) Phenol	6.457	94	689111	48.527	ng		90
11) bis(2-Chloroethyl)ether	6.551	93	520505	49.183	ng		97
12) 1,3-Dichlorobenzene	6.751	146	588814	46.987	ng		100
13) 1,4-Dichlorobenzene	6.828	146	597776	47.337	ng		99
14) 1,2-Dichlorobenzene	6.981	146	579077	49.160	ng		98
15) Benzyl Alcohol	6.957	79	491614	51.315	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.087	45	696139	47.138	ng		94
17) 2-Methylphenol	7.069	107	460047	50.715	ng		98
18) Hexachloroethane	7.322	117	221353	48.471	ng		98
19) n-Nitroso-di-n-propyla...	7.228	70	384185	49.163	ng		97
20) 3+4-Methylphenols	7.222	107	553582	48.372	ng	#	81
22) Acetophenone	7.222	105	744694	47.760	ng	#	95
24) Nitrobenzene	7.392	77	589914	45.745	ng		100
25) Isophorone	7.634	82	1045230	49.430	ng		99
26) 2-Nitrophenol	7.710	139	304130	51.845	ng		99
27) 2,4-Dimethylphenol	7.745	122	461535	58.330	ng		98
28) bis(2-Chloroethoxy)met...	7.845	93	641396	48.332	ng		100
29) 2,4-Dichlorophenol	7.951	162	472573	50.287	ng		99
30) 1,2,4-Trichlorobenzene	8.034	180	495977	46.173	ng		99
31) Naphthalene	8.116	128	1641128	47.446	ng		100
32) Benzoic acid	7.869	122	386559	50.928	ng		97
33) 4-Chloroaniline	8.163	127	217308	18.166	ng		99
34) Hexachlorobutadiene	8.234	225	305369	47.180	ng		100
35) Caprolactam	8.534	113	75245	24.457	ng		99
36) 4-Chloro-3-methylphenol	8.645	107	511507	49.770	ng		99
37) 2-Methylnaphthalene	8.804	142	1069518	48.523	ng		99
38) 1-Methylnaphthalene	8.904	142	995441	45.825	ng		100
40) 1,2,4,5-Tetrachloroben...	8.969	216	494483	49.325	ng		98
41) Hexachlorocyclopentadiene	8.957	237	615991	187.813	ng		100
43) 2,4,6-Trichlorophenol	9.081	196	347068	51.332	ng		99

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141218.D
Acq On : 20 Jan 2025 13:15
Operator : RC/JU
Sample : PB166117BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166117BS

Quant Time: Jan 20 13:42:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.128	196	351551	49.232	ng	99
46) 1,1'-Biphenyl	9.269	154	1324467	48.829	ng	99
47) 2-Chloronaphthalene	9.292	162	993920	47.045	ng	100
48) 2-Nitroaniline	9.386	65	308424	49.248	ng	98
49) Acenaphthylene	9.710	152	1548262	51.294	ng	100
50) Dimethylphthalate	9.575	163	1173008	50.025	ng	100
51) 2,6-Dinitrotoluene	9.634	165	265650	48.718	ng	99
52) Acenaphthene	9.881	154	1161330	55.071	ng	99
53) 3-Nitroaniline	9.798	138	166299	30.011	ng	99
54) 2,4-Dinitrophenol	9.910	184	309500	119.414	ng	95
55) Dibenzofuran	10.057	168	1398581	48.758	ng	100
56) 4-Nitrophenol	9.963	139	435346	100.317	ng	95
57) 2,4-Dinitrotoluene	10.039	165	362433	51.576	ng	98
58) Fluorene	10.398	166	1091586	48.984	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.169	232	307358	51.784	ng	100
60) Diethylphthalate	10.275	149	1132863	49.488	ng	99
61) 4-Chlorophenyl-phenyle...	10.386	204	532210	49.001	ng	97
62) 4-Nitroaniline	10.416	138	269068	49.612	ng	96
63) Azobenzene	10.551	77	1104849	48.914	ng	99
65) 4,6-Dinitro-2-methylph...	10.445	198	208758	60.375	ng	98
66) n-Nitrosodiphenylamine	10.510	169	969467	50.372	ng	99
67) 4-Bromophenyl-phenylether	10.881	248	349844	50.925	ng	99
68) Hexachlorobenzene	10.945	284	393452	51.449	ng	98
69) Atrazine	11.039	200	333043	64.267	ng	99
70) Pentachlorophenol	11.139	266	501513	102.404	ng	100
71) Phenanthrene	11.357	178	1652640	51.589	ng	100
72) Anthracene	11.410	178	1668857	53.576	ng	100
73) Carbazole	11.563	167	1464784	51.285	ng	100
74) Di-n-butylphthalate	11.898	149	1707757	52.246	ng	100
75) Fluoranthene	12.545	202	1702508	53.257	ng	99
77) Benzidine	12.669	184	401458	55.270	ng	99
78) Pyrene	12.775	202	1721782	46.023	ng	99
80) Butylbenzylphthalate	13.398	149	671618	53.845	ng	98
81) Benzo(a)anthracene	13.963	228	1264293	47.429	ng	99
82) 3,3'-Dichlorobenzidine	13.927	252	248240	29.246	ng	99
83) Chrysene	14.004	228	1239477	49.694	ng	99
84) Bis(2-ethylhexyl)phtha...	13.957	149	811154	54.200	ng	99
85) Di-n-octyl phthalate	14.574	149	1205001	53.319	ng	98
87) Indeno(1,2,3-cd)pyrene	16.880	276	1238001	49.416	ng	98
88) Benzo(b)fluoranthene	15.010	252	1206417	54.712	ng	100
89) Benzo(k)fluoranthene	15.039	252	928188	49.810	ng	99
90) Benzo(a)pyrene	15.368	252	1004648	55.223	ng	99
91) Dibenzo(a,h)anthracene	16.898	278	989420	48.830	ng	99
92) Benzo(g,h,i)perylene	17.315	276	945921	44.881	ng	99

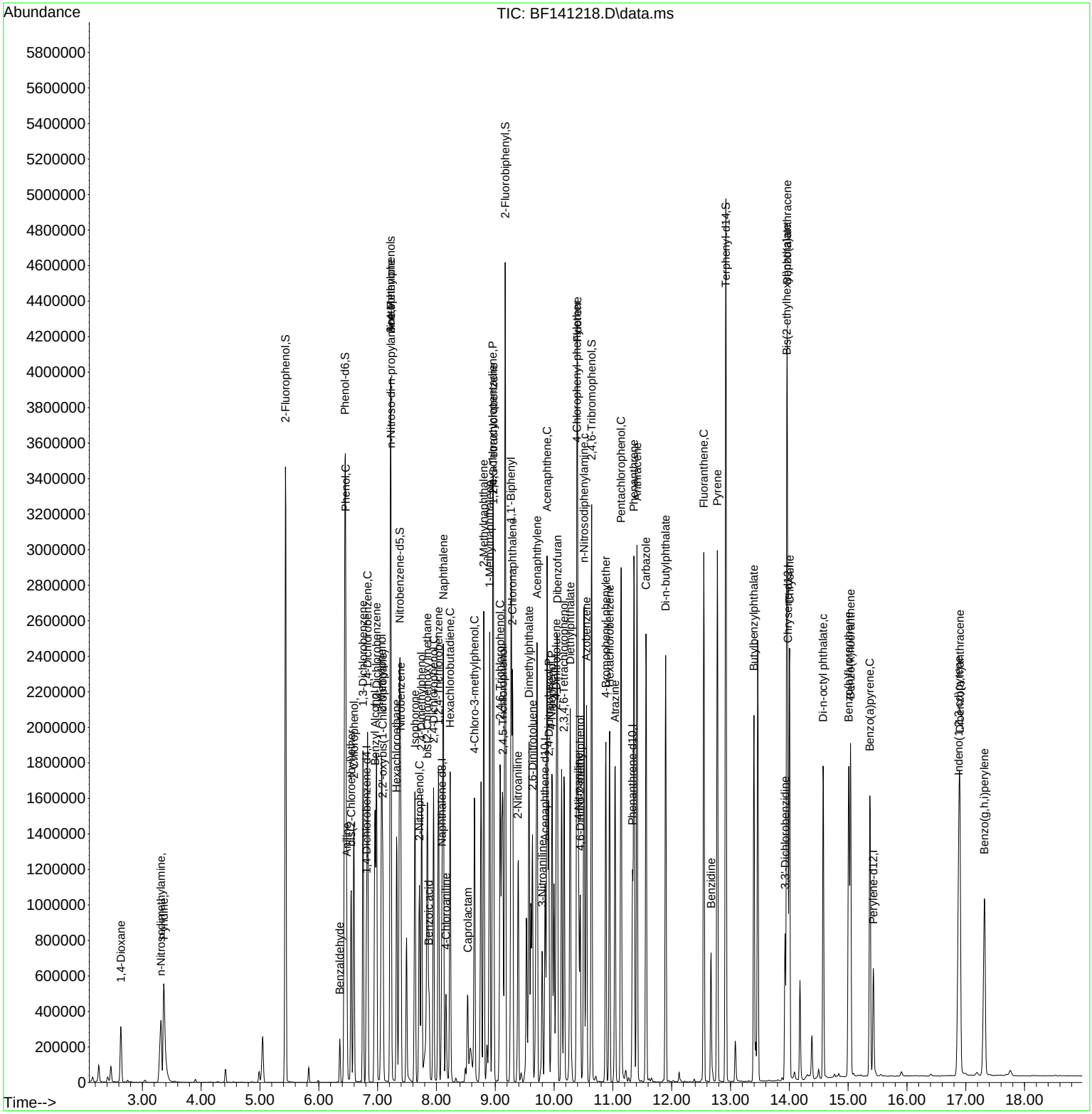
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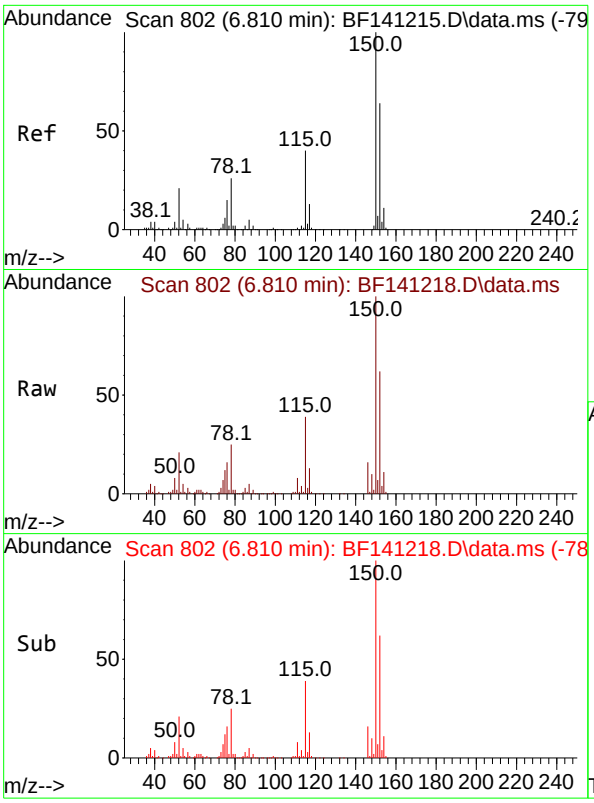
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141218.D
Acq On : 20 Jan 2025 13:15
Operator : RC/JU
Sample : PB166117BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166117BS

Quant Time: Jan 20 13:42:41 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration



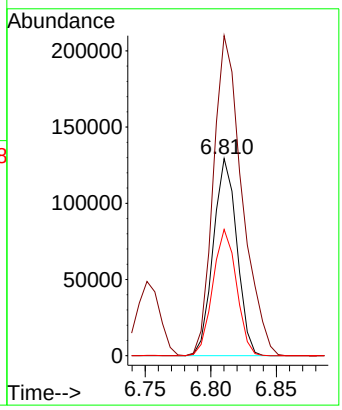


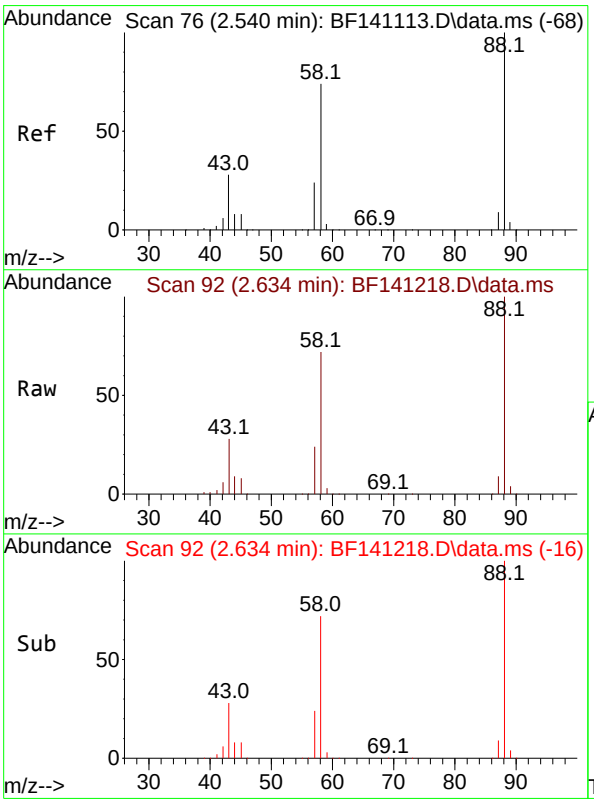
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :
BNA_F
ClientSampleId :
PB166117BS

Tgt Ion:152 Resp: 161782

Ion	Ratio	Lower	Upper
152	100		
150	162.3	125.8	188.8
115	64.0	51.4	77.2

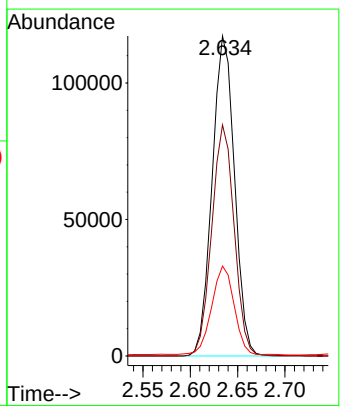


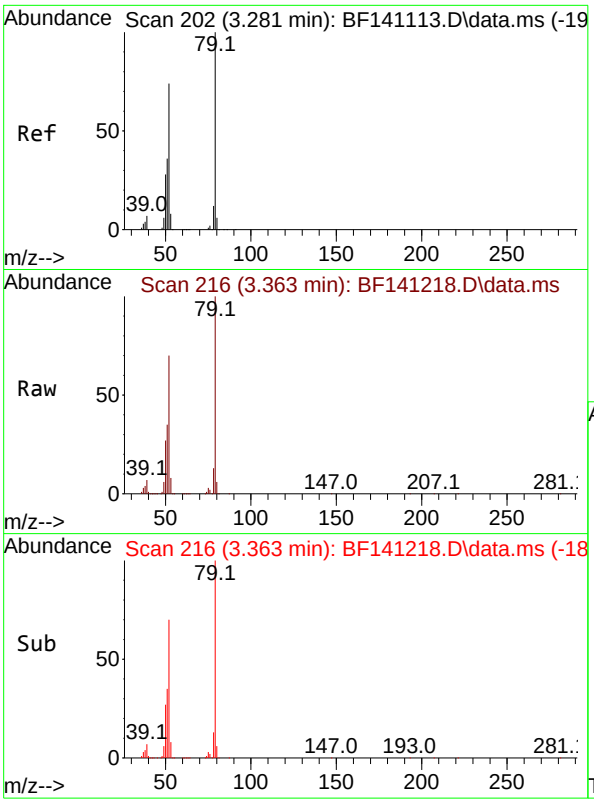


#2
1,4-Dioxane
Concen: 41.256 ng
RT: 2.634 min Scan# 92
Delta R.T. 0.094 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion: 88 Resp: 192401

Ion	Ratio	Lower	Upper
88	100		
58	72.5	60.1	90.1
43	27.5	23.1	34.7



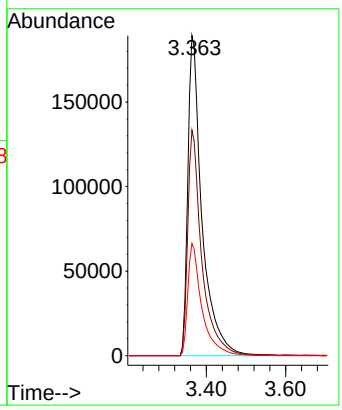


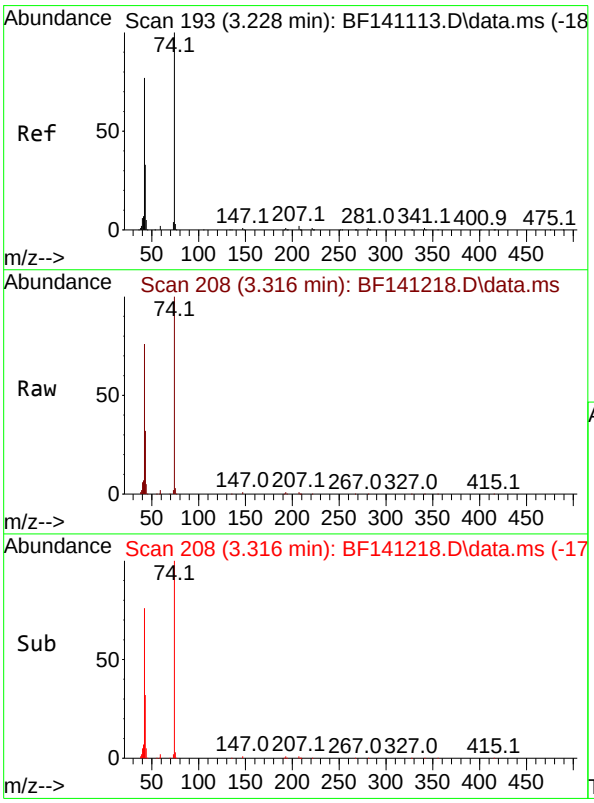
#3
Pyridine
Concen: 41.195 ng
RT: 3.363 min Scan# 21
Delta R.T. 0.082 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :
BNA_F
ClientSampleId :
PB166117BS

Tgt Ion: 79 Resp: 471124

Ion	Ratio	Lower	Upper
79	100		
52	70.4	58.9	88.3
51	35.1	29.1	43.7

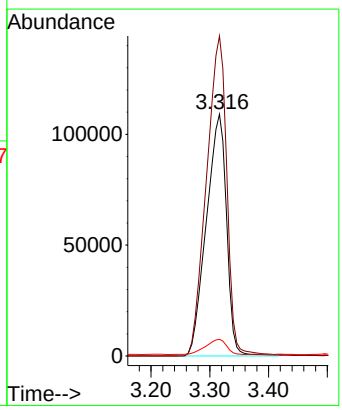


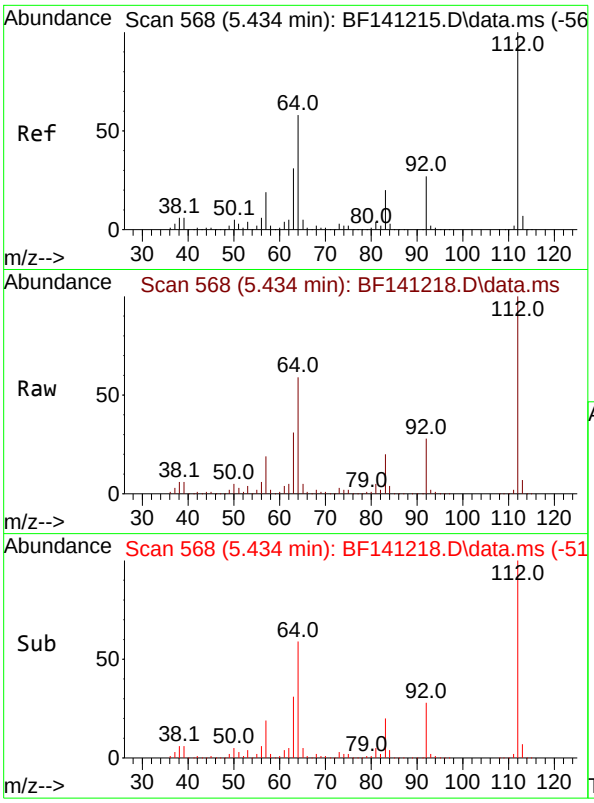


#4
n-Nitrosodimethylamine
Concen: 46.521 ng
RT: 3.316 min Scan# 208
Delta R.T. 0.088 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion: 42 Resp: 260142

Ion	Ratio	Lower	Upper
42	100		
74	132.4	103.8	155.6
44	6.9	5.3	7.9



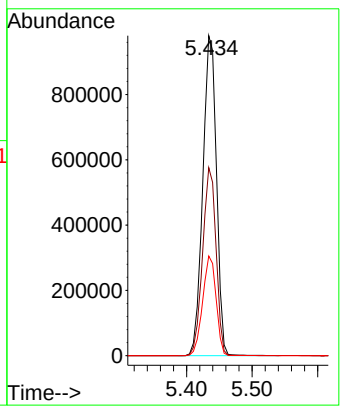


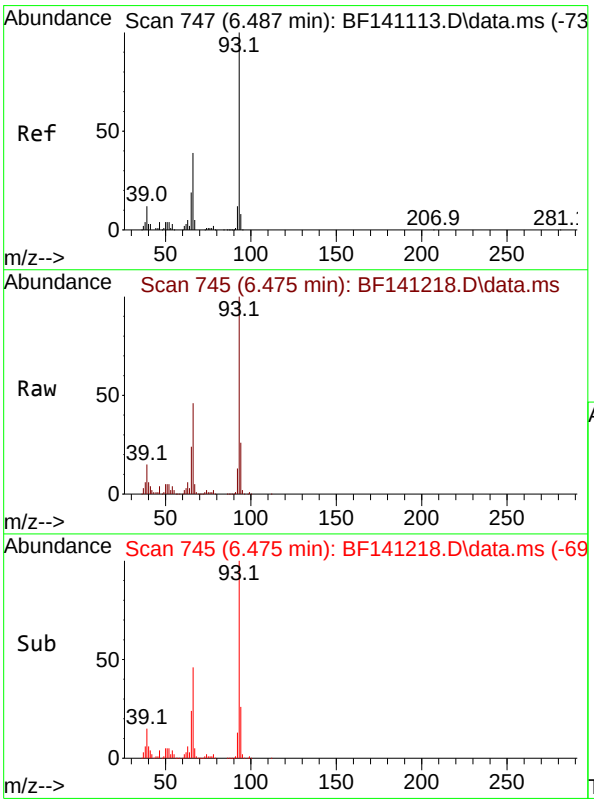
#5
2-Fluorophenol
Concen: 135.951 ng
RT: 5.434 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :
BNA_F
ClientSampleId :
PB166117BS

Tgt Ion:112 Resp: 1423767

Ion	Ratio	Lower	Upper
112	100		
64	58.7	47.3	70.9
63	31.1	24.2	36.2

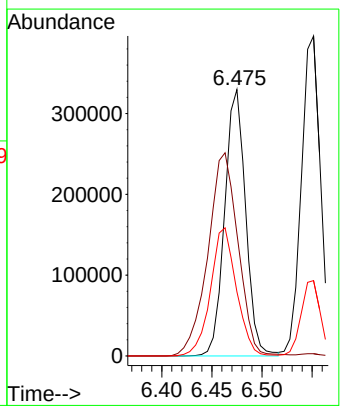


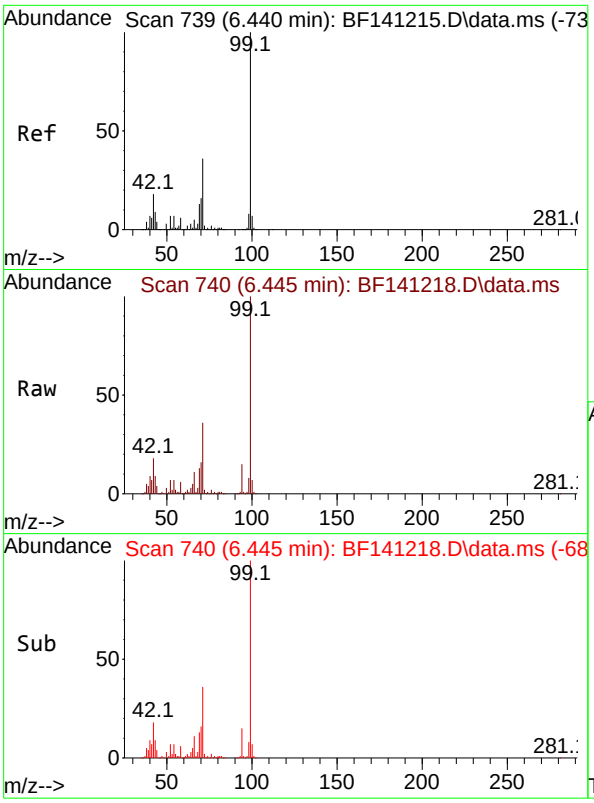


#6
Aniline
Concen: 40.670 ng
RT: 6.475 min Scan# 745
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion: 93 Resp: 479011

Ion	Ratio	Lower	Upper
93	100		
66	45.9	31.5	47.3
65	24.1	15.3	22.9#



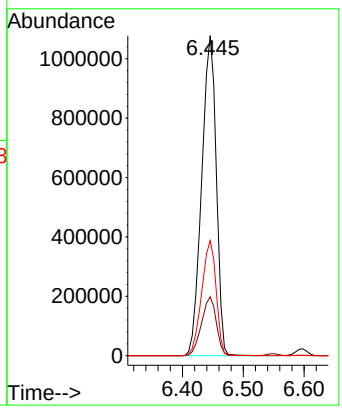


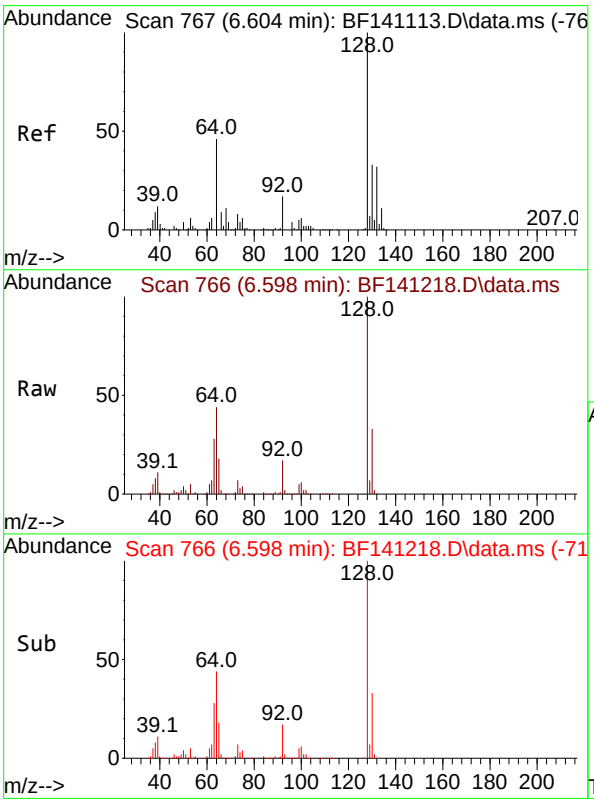
#7
Phenol-d6
Concen: 135.312 ng
RT: 6.445 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :
BNA_F
ClientSampleId :
PB166117BS

Tgt Ion: 99 Resp: 1795032

Ion	Ratio	Lower	Upper
99	100		
42	18.4	15.0	22.4
71	36.0	27.6	41.4

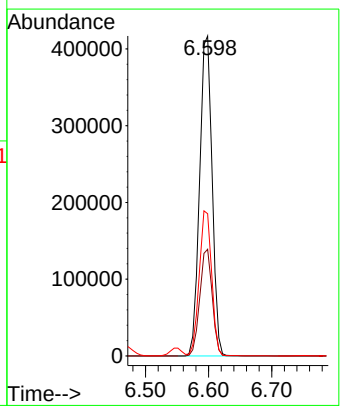


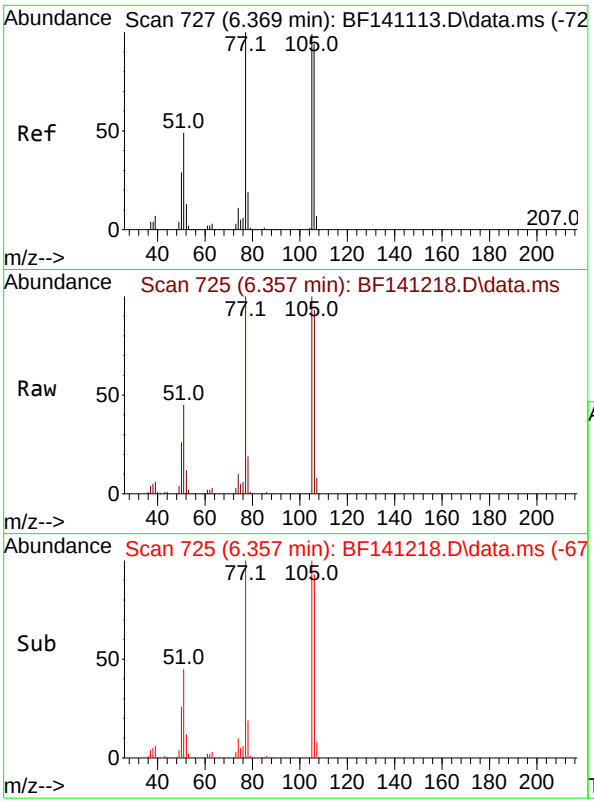


#8
2-Chlorophenol
Concen: 51.089 ng
RT: 6.598 min Scan# 766
Delta R.T. -0.006 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:128 Resp: 574035

Ion	Ratio	Lower	Upper
128	100		
130	33.4	12.5	52.5
64	44.4	28.3	68.3



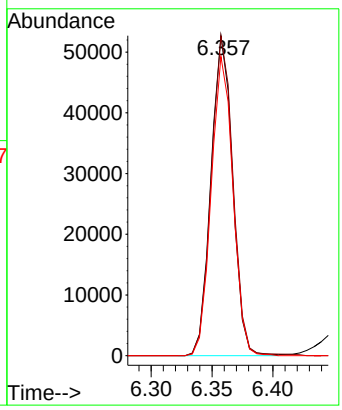


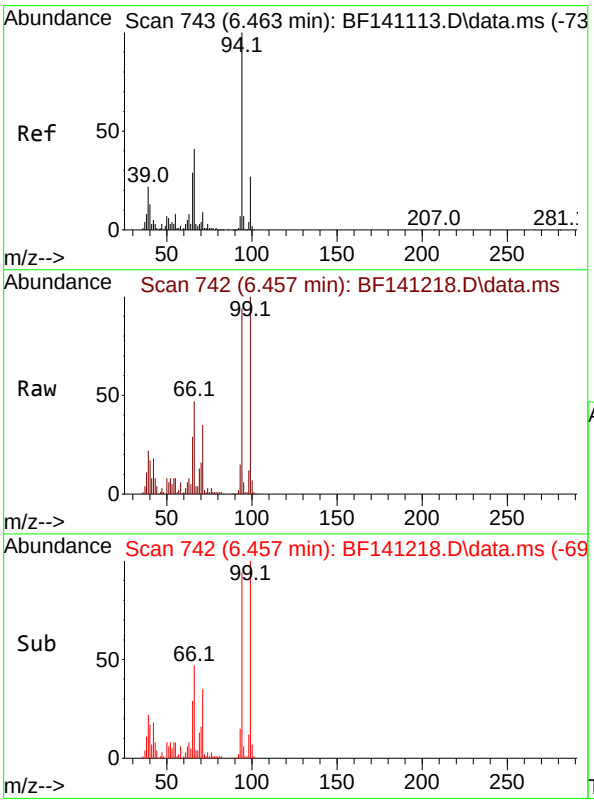
#9
Benzaldehyde
Concen: 8.309 ng
RT: 6.357 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :
BNA_F
ClientSampleId :
PB166117BS

Tgt Ion: 77 Resp: 64923

Ion	Ratio	Lower	Upper
77	100		
105	99.9	78.9	118.9
106	93.5	73.6	113.6

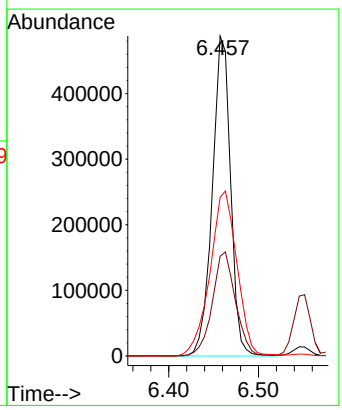


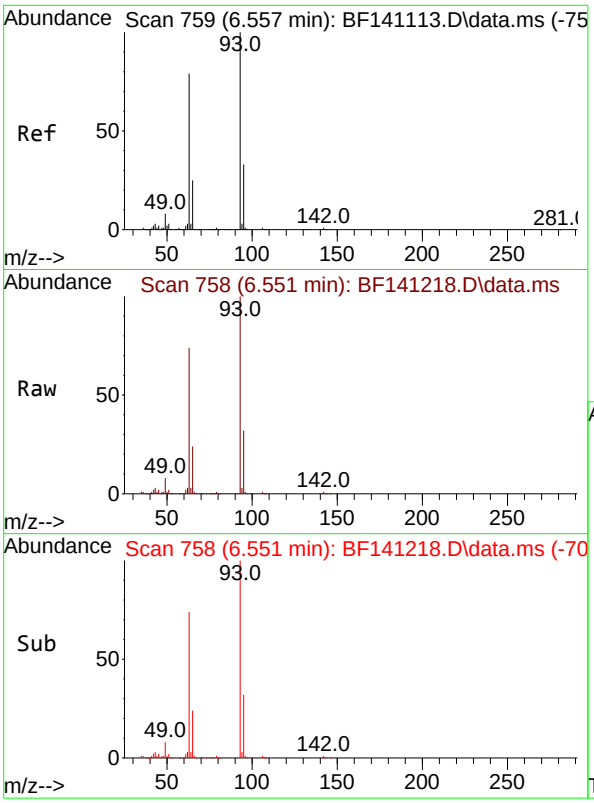


#10
Phenol
Concen: 48.527 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion: 94 Resp: 689111

Ion	Ratio	Lower	Upper
94	100		
65	31.2	8.9	48.9
66	49.6	21.2	61.2



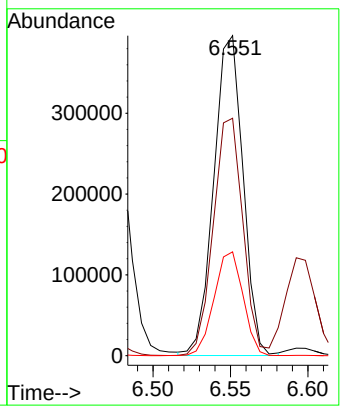


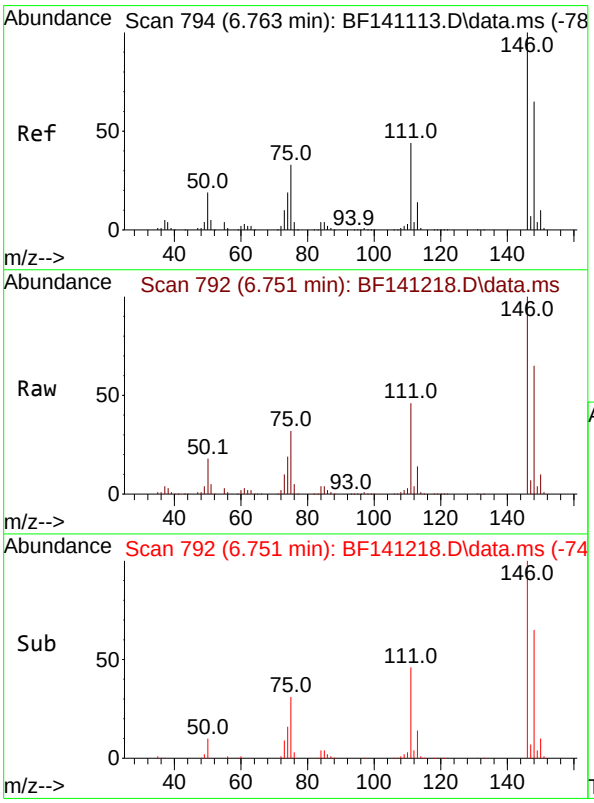
#11
bis(2-Chloroethyl)ether
Concen: 49.183 ng
RT: 6.551 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :
BNA_F
ClientSampleId :
PB166117BS

Tgt Ion: 93 Resp: 520505

Ion	Ratio	Lower	Upper
93	100		
63	74.2	58.0	98.0
95	32.4	12.5	52.5

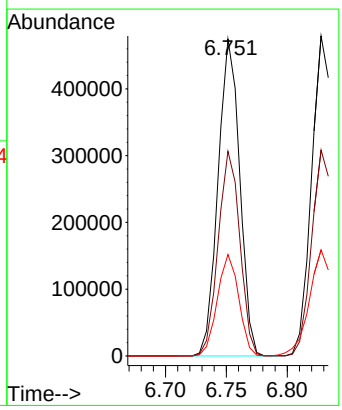


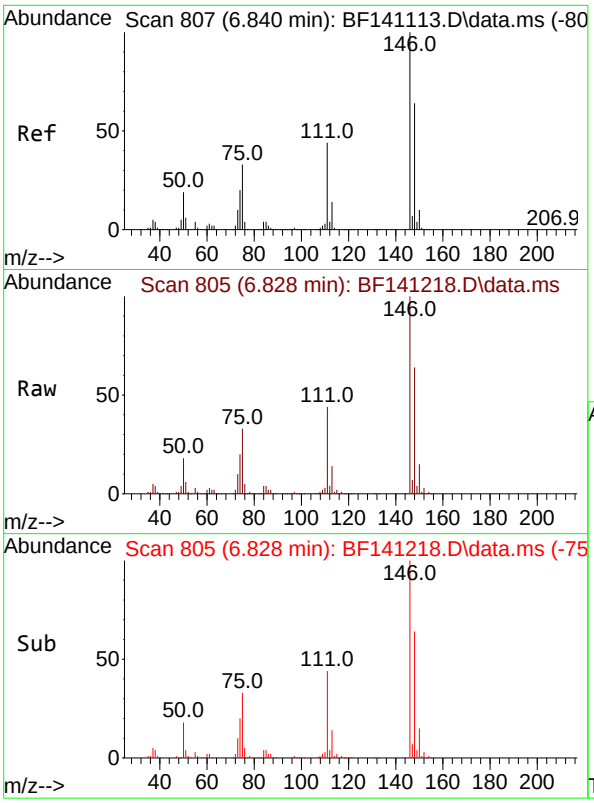


#12
1,3-Dichlorobenzene
Concen: 46.987 ng
RT: 6.751 min Scan# 792
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:146 Resp: 588814

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.6	77.4
75	32.0	26.2	39.2



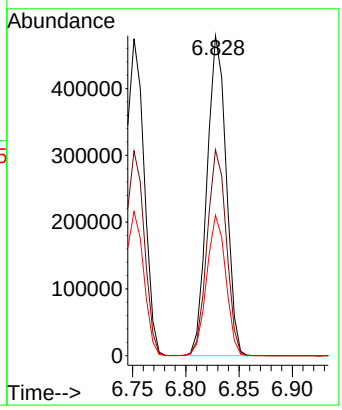


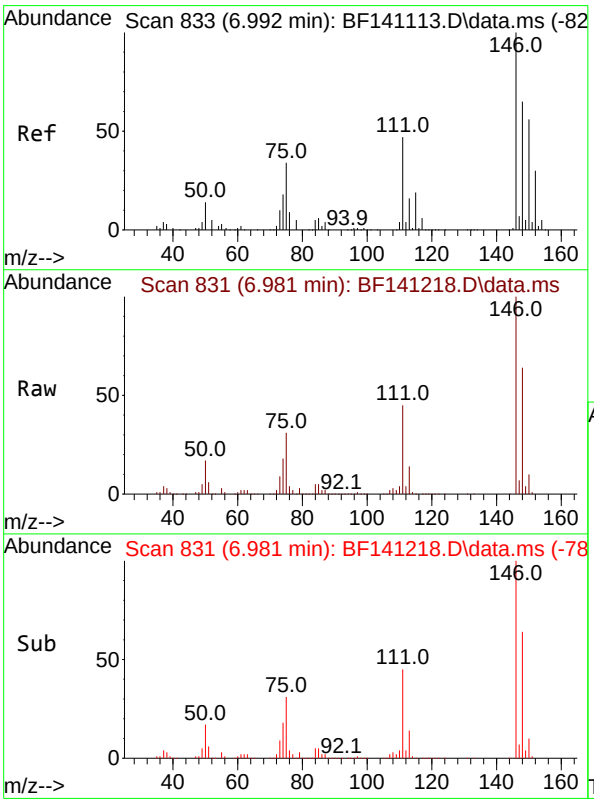
#13
1,4-Dichlorobenzene
Concen: 47.337 ng
RT: 6.828 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :
BNA_F
ClientSampleId :
PB166117BS

Tgt Ion:146 Resp: 597776

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.0	76.6
111	43.9	34.9	52.3

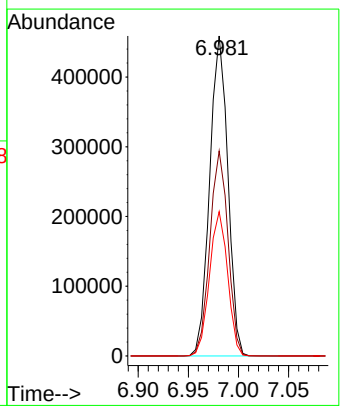


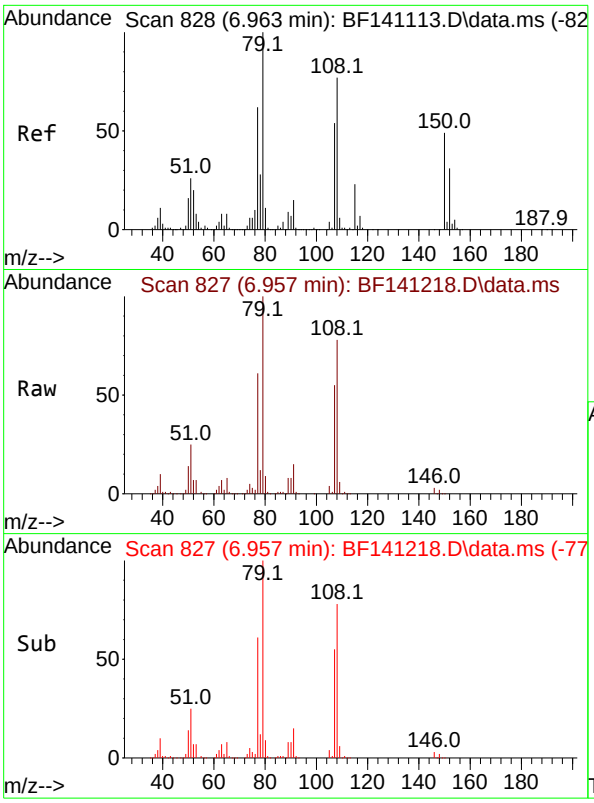


#14
1,2-Dichlorobenzene
Concen: 49.160 ng
RT: 6.981 min Scan# 831
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:146 Resp: 579077

Ion	Ratio	Lower	Upper
146	100		
148	64.0	52.2	78.4
111	45.1	37.5	56.3



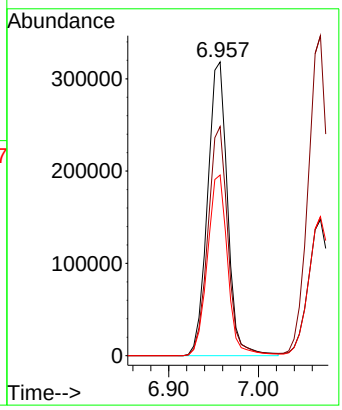


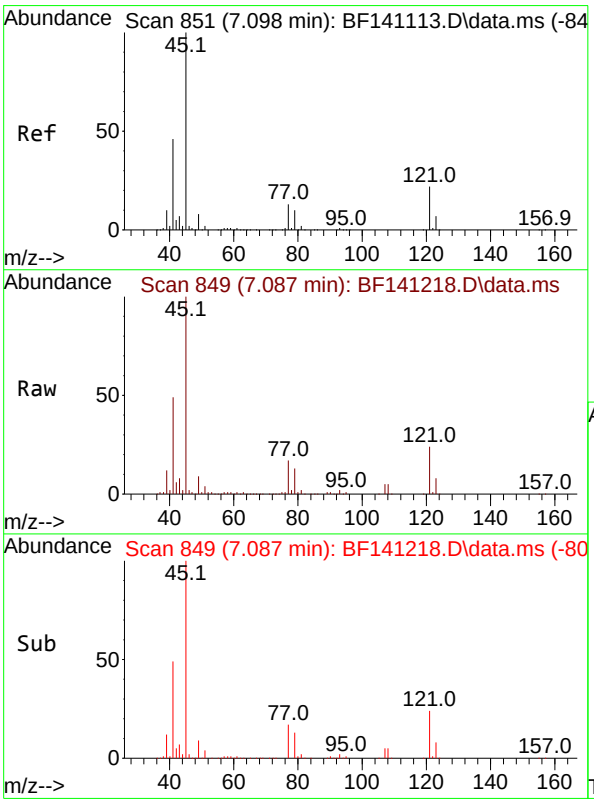
#15
Benzyl Alcohol
Concen: 51.315 ng
RT: 6.957 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :
BNA_F
ClientSampleId :
PB166117BS

Tgt Ion: 79 Resp: 491614

Ion	Ratio	Lower	Upper
79	100		
108	78.0	61.4	92.0
77	61.5	49.8	74.6

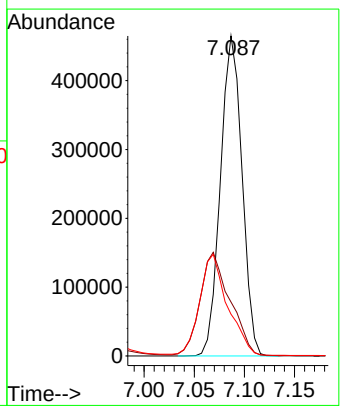


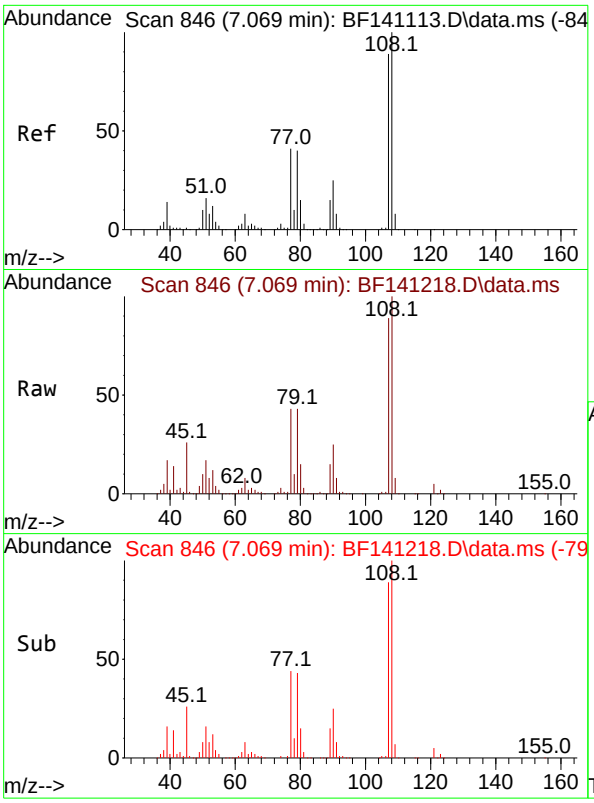


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.138 ng
RT: 7.087 min Scan# 849
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion: 45 Resp: 696139

Ion	Ratio	Lower	Upper
45	100		
77	16.9	0.0	34.1
79	13.1	0.0	31.0



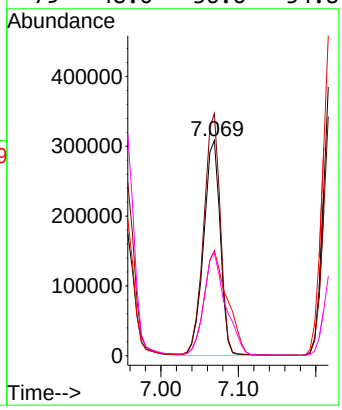


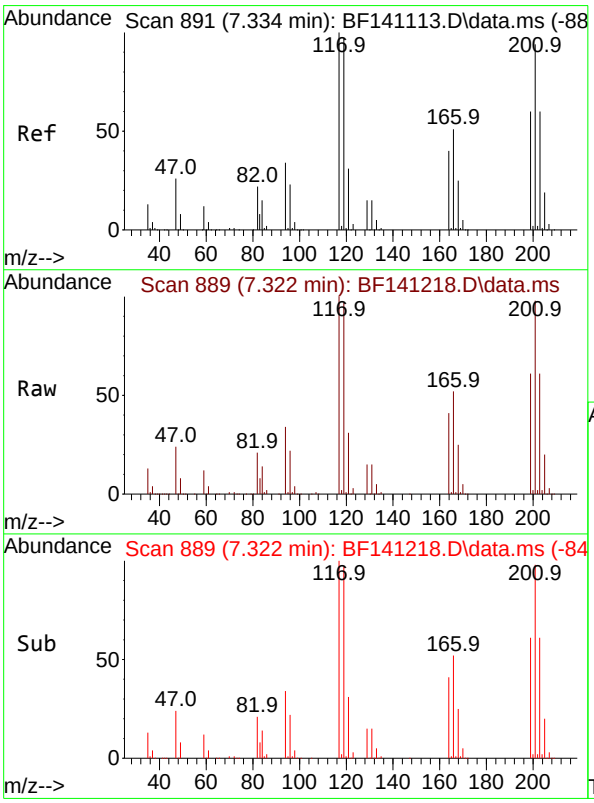
#17
2-Methylphenol
Concen: 50.715 ng
RT: 7.069 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :
BNA_F
ClientSampleId :
PB166117BS

Tgt Ion:107 Resp: 460047

Ion	Ratio	Lower	Upper
107	100		
108	112.5	90.1	135.1
77	48.9	36.6	55.0
79	48.0	36.6	54.8

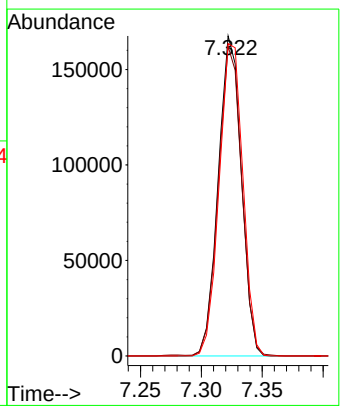


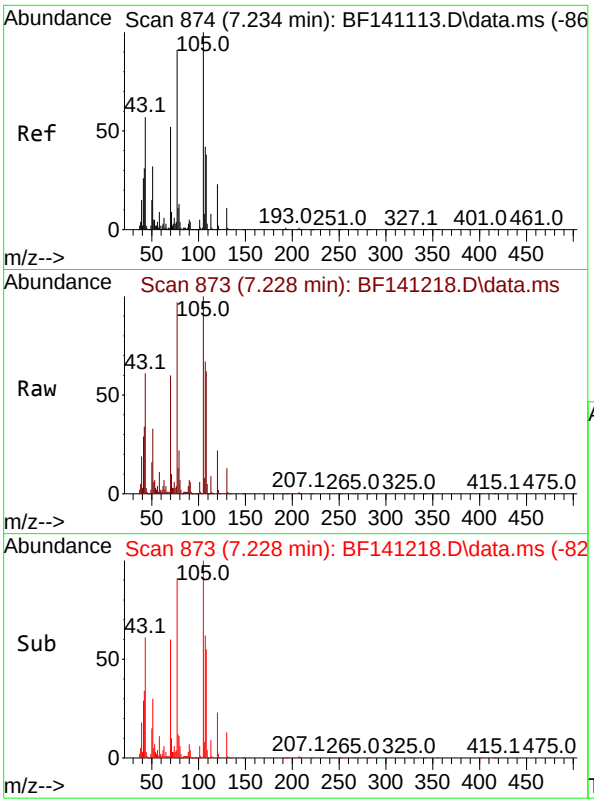


#18
Hexachloroethane
Concen: 48.471 ng
RT: 7.322 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:117 Resp: 221353

Ion	Ratio	Lower	Upper
117	100		
119	96.8	77.6	116.4
201	97.6	75.1	112.7



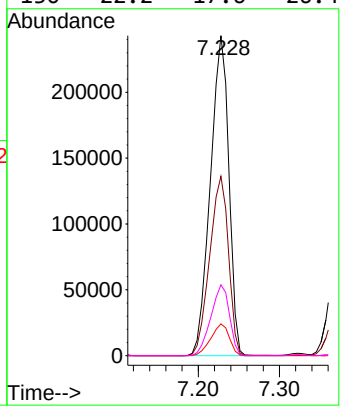


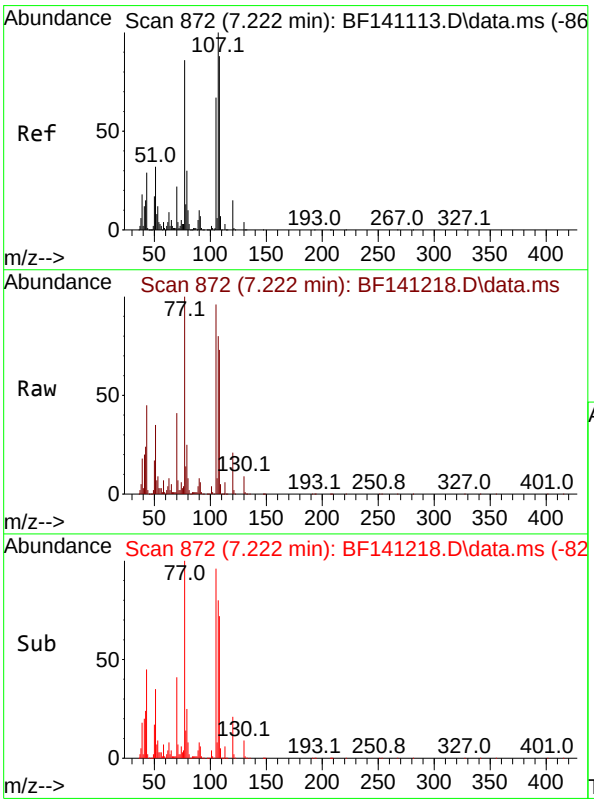
#19
n-Nitroso-di-n-propylamine
Concen: 49.163 ng
RT: 7.228 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :
BNA_F
ClientSampleId :
PB166117BS

Tgt Ion: 70 Resp: 384185

Ion	Ratio	Lower	Upper
70	100		
42	56.1	47.8	71.6
101	9.9	7.9	11.9
130	22.2	17.6	26.4

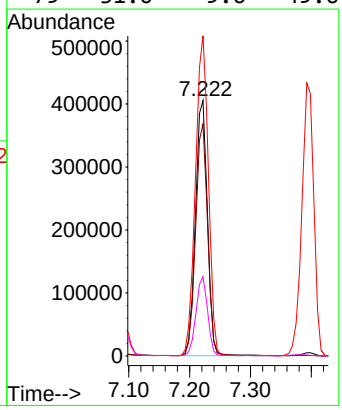


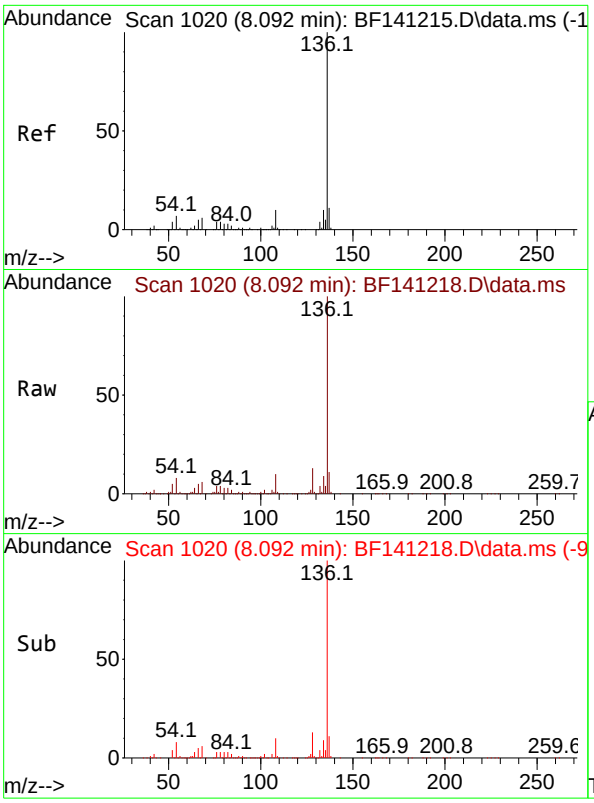


#20
3+4-Methylphenols
Concen: 48.372 ng
RT: 7.222 min Scan# 872
Delta R.T. 0.000 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:107 Resp: 553582

Ion	Ratio	Lower	Upper
107	100		
108	90.8	68.3	108.3
77	125.2	66.4	106.4#
79	31.0	9.6	49.6



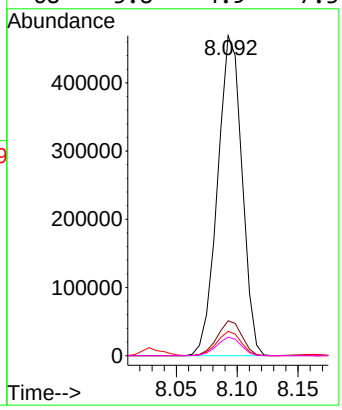


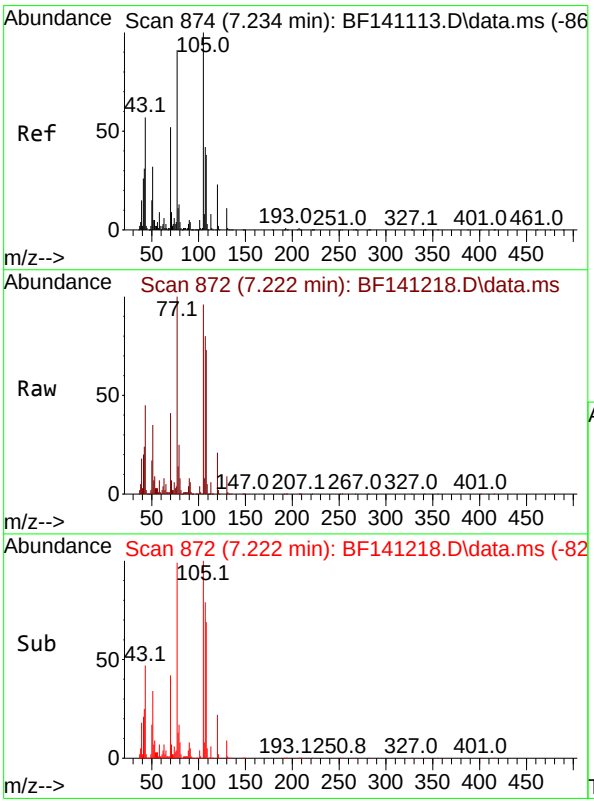
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :
BNA_F
ClientSampleId :
PB166117BS

Tgt Ion:136 Resp: 655900

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	7.6	6.3	9.5
68	5.8	4.9	7.3

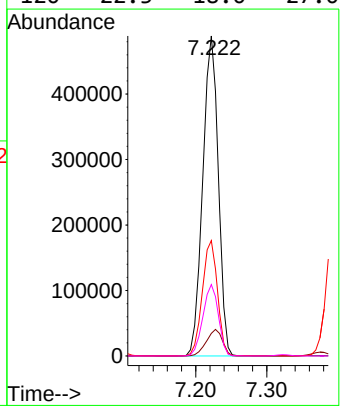


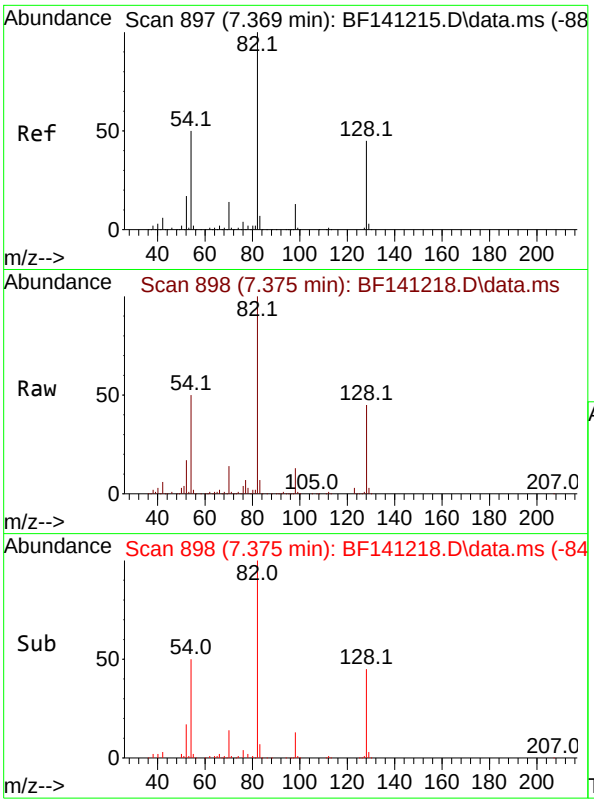


#22
Acetophenone
Concen: 47.760 ng
RT: 7.222 min Scan# 872
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:105 Resp: 744694

Ion	Ratio	Lower	Upper
105	100		
71	7.0	7.1	10.7#
51	36.1	25.4	38.2
120	22.3	18.0	27.0



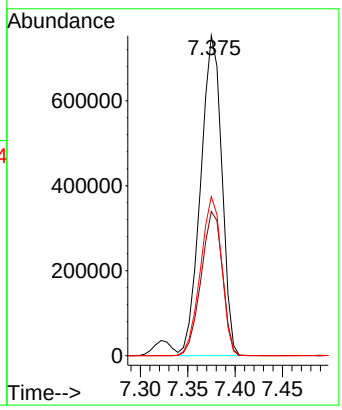


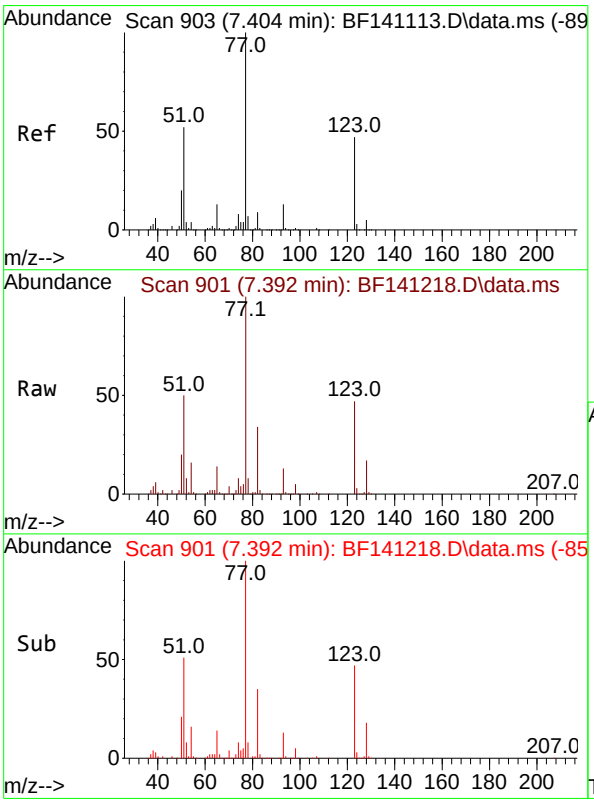
#23
Nitrobenzene-d5
Concen: 94.673 ng
RT: 7.375 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :
BNA_F
ClientSampleId :
PB166117BS

Tgt Ion: 82 Resp: 1171438

Ion	Ratio	Lower	Upper
82	100		
128	45.1	36.1	54.1
54	49.7	41.0	61.4

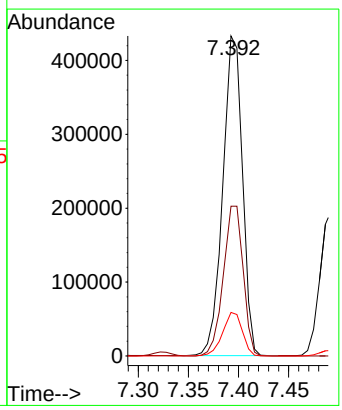


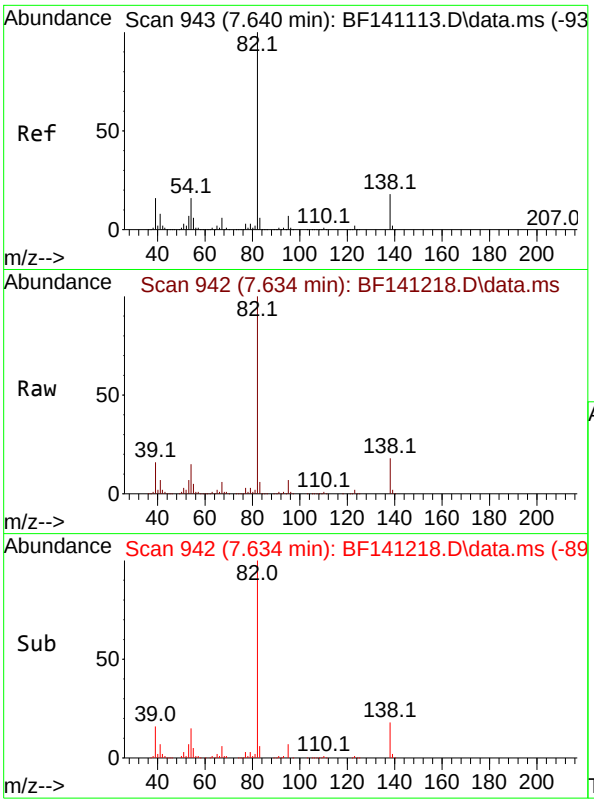


#24
Nitrobenzene
Concen: 45.745 ng
RT: 7.392 min Scan# 901
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion: 77 Resp: 589914

Ion	Ratio	Lower	Upper
77	100		
123	46.8	37.7	56.5
65	13.6	10.6	16.0



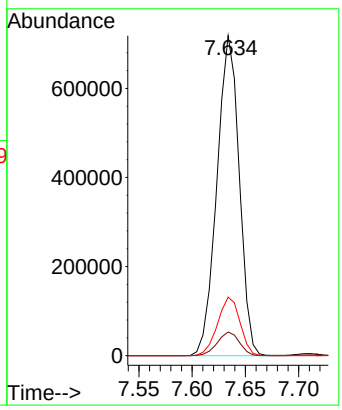


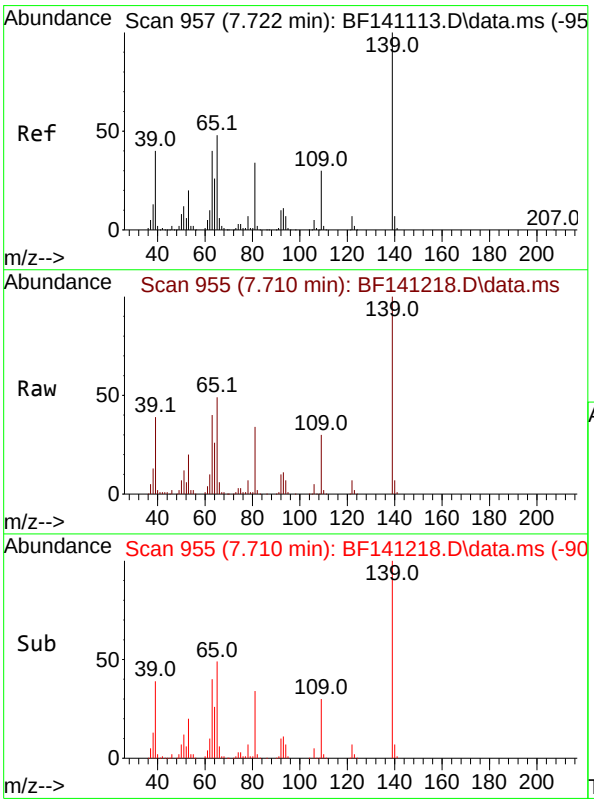
#25
Isophorone
Concen: 49.430 ng
RT: 7.634 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :
BNA_F
ClientSampleId :
PB166117BS

Tgt Ion: 82 Resp: 1045230

Ion	Ratio	Lower	Upper
82	100		
95	7.4	5.9	8.9
138	18.3	14.2	21.2

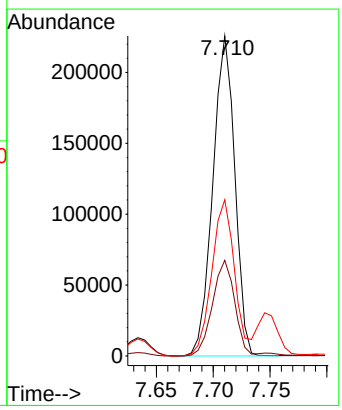


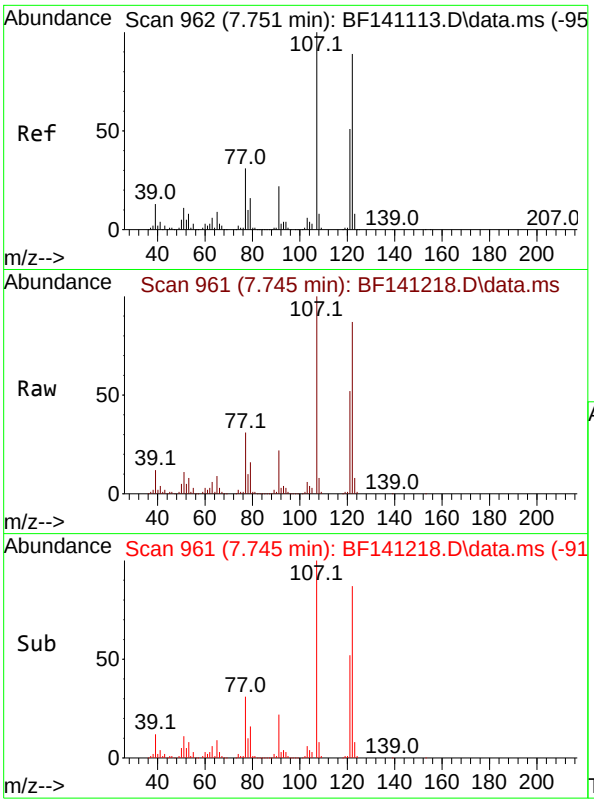


#26
2-Nitrophenol
Concen: 51.845 ng
RT: 7.710 min Scan# 955
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:139 Resp: 304130

Ion	Ratio	Lower	Upper
139	100		
109	29.9	23.8	35.6
65	48.8	38.5	57.7



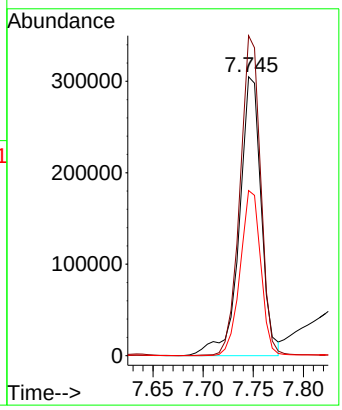


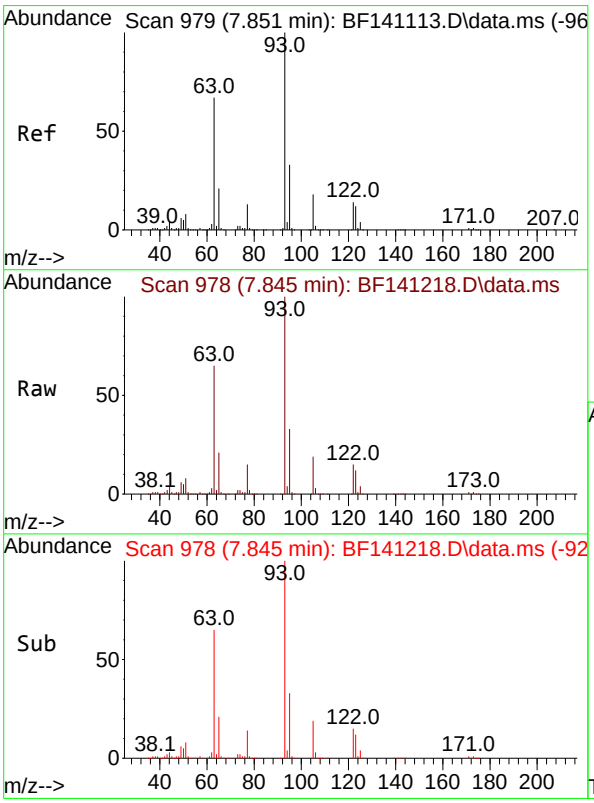
#27
2,4-Dimethylphenol
Concen: 58.330 ng
RT: 7.745 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :
BNA_F
ClientSampleId :
PB166117BS

Tgt Ion:122 Resp: 461535

Ion	Ratio	Lower	Upper
122	100		
107	114.7	90.3	135.5
121	59.2	46.5	69.7

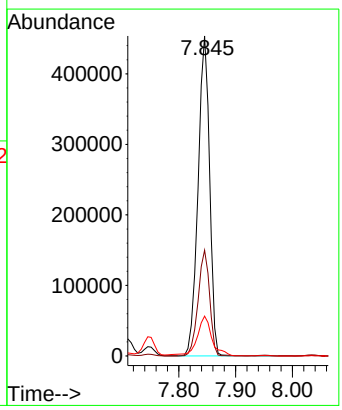


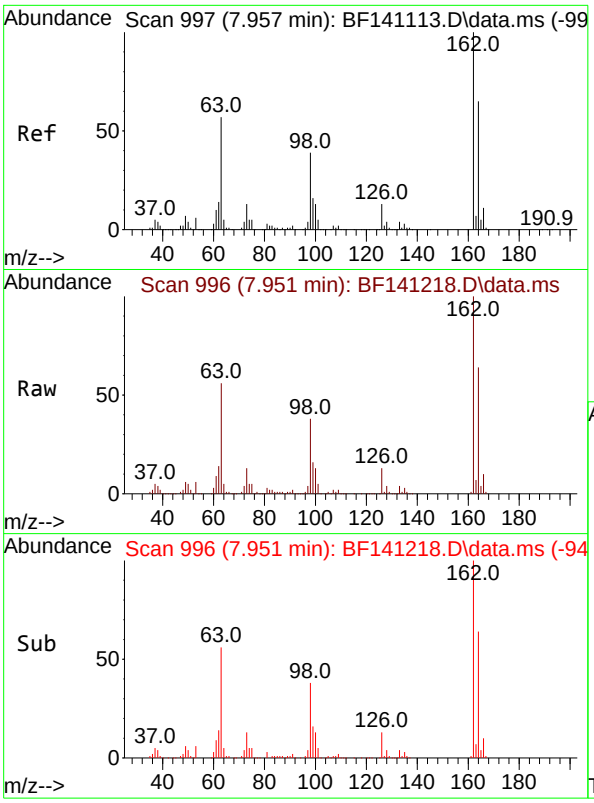


#28
bis(2-Chloroethoxy)methane
Concen: 48.332 ng
RT: 7.845 min Scan# 978
Delta R.T. -0.006 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion: 93 Resp: 641396

Ion	Ratio	Lower	Upper
93	100		
95	33.1	26.2	39.4
123	12.5	10.1	15.1



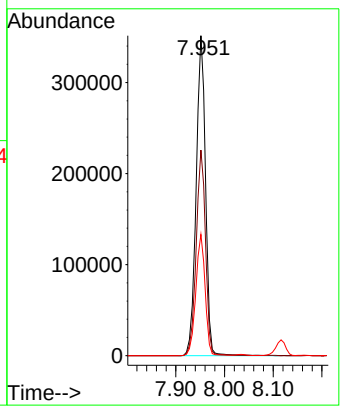


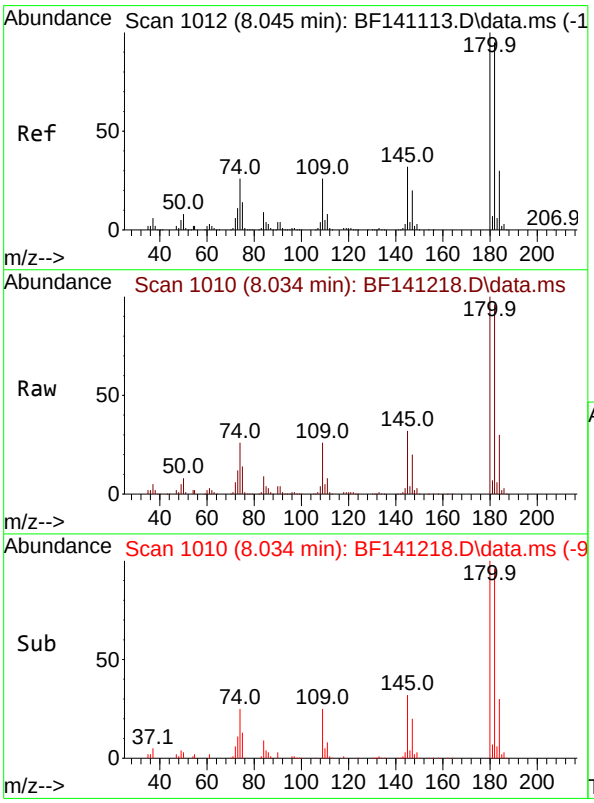
#29
2,4-Dichlorophenol
Concen: 50.287 ng
RT: 7.951 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :
BNA_F
ClientSampleId :
PB166117BS

Tgt Ion:162 Resp: 472573

Ion	Ratio	Lower	Upper
162	100		
164	64.2	44.5	84.5
98	37.9	18.5	58.5

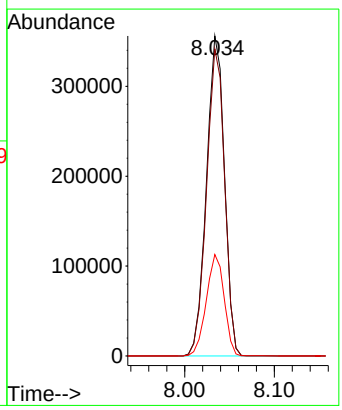


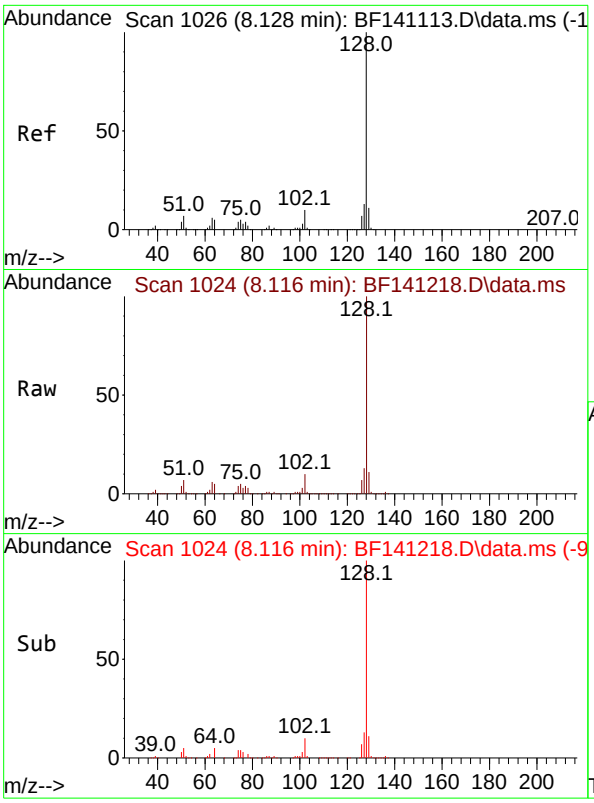


#30
1,2,4-Trichlorobenzene
Concen: 46.173 ng
RT: 8.034 min Scan# 1010
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:180 Resp: 495977

Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.2	114.2
145	31.7	25.3	37.9



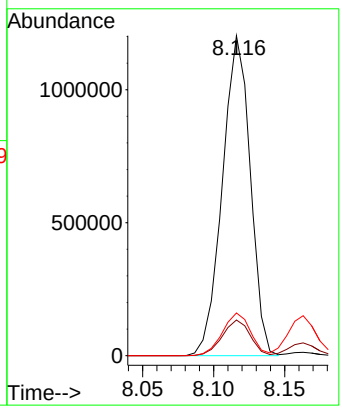


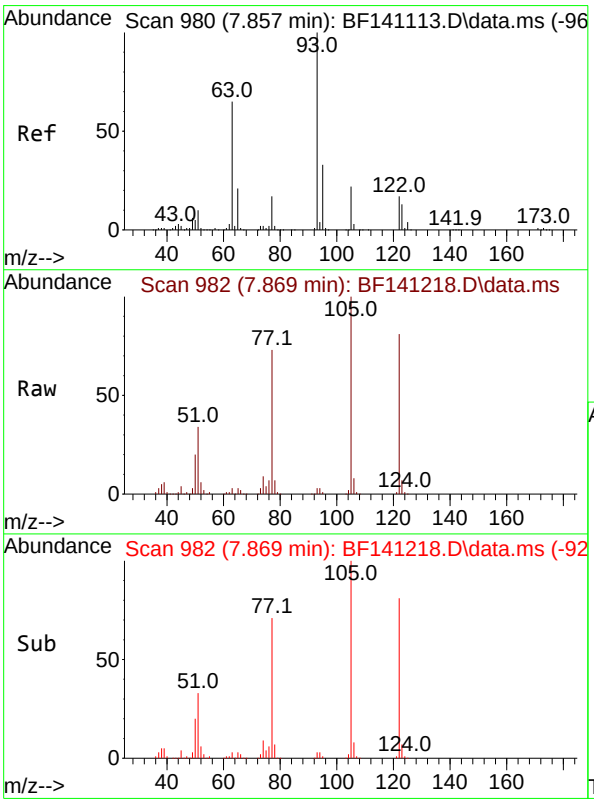
#31
Naphthalene
Concen: 47.446 ng
RT: 8.116 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :
BNA_F
ClientSampleId :
PB166117BS

Tgt Ion:128 Resp: 1641128

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.6
127	13.4	10.8	16.2

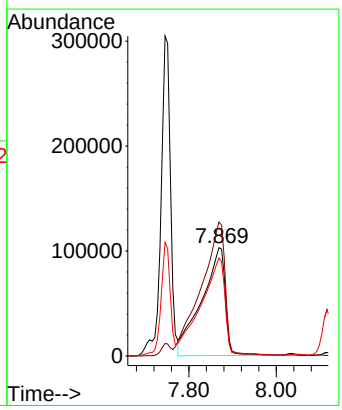


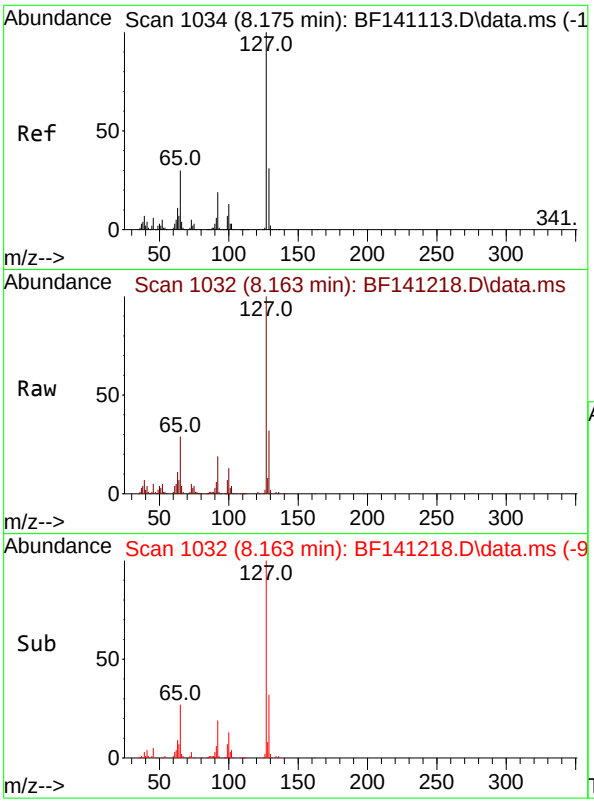


#32
Benzoic acid
Concen: 50.928 ng
RT: 7.869 min Scan# 982
Delta R.T. 0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:122 Resp: 386559

Ion	Ratio	Lower	Upper
122	100		
105	123.6	105.5	145.5
77	90.4	75.1	115.1



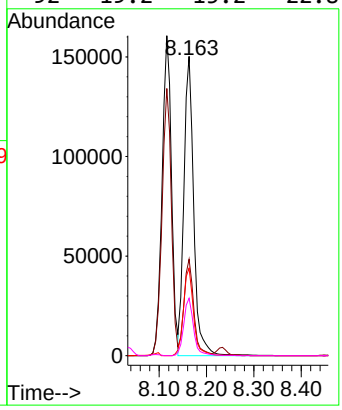


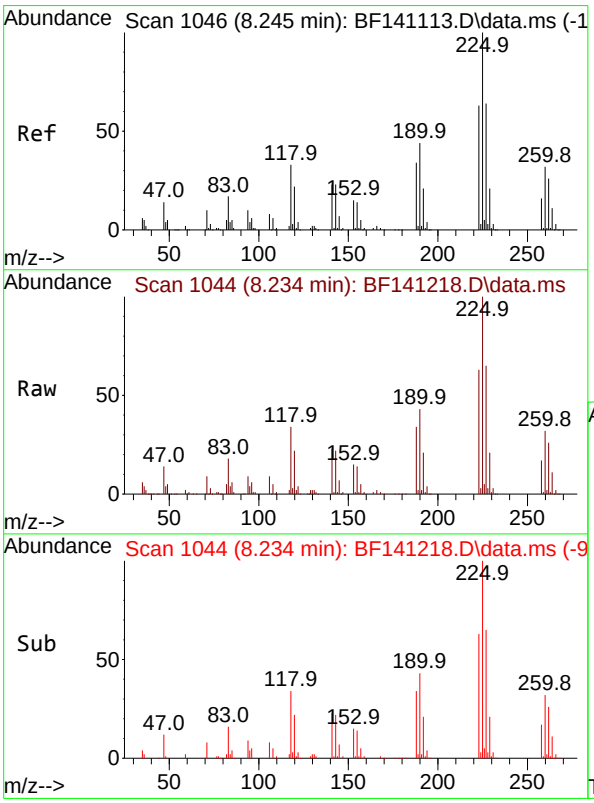
#33
4-Chloroaniline
Concen: 18.166 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :
BNA_F
ClientSampleId :
PB166117BS

Tgt Ion:127 Resp: 217308

Ion	Ratio	Lower	Upper
127	100		
129	32.2	25.9	38.9
65	29.3	23.8	35.8
92	19.2	15.2	22.8

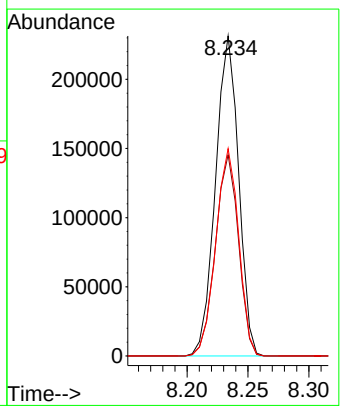


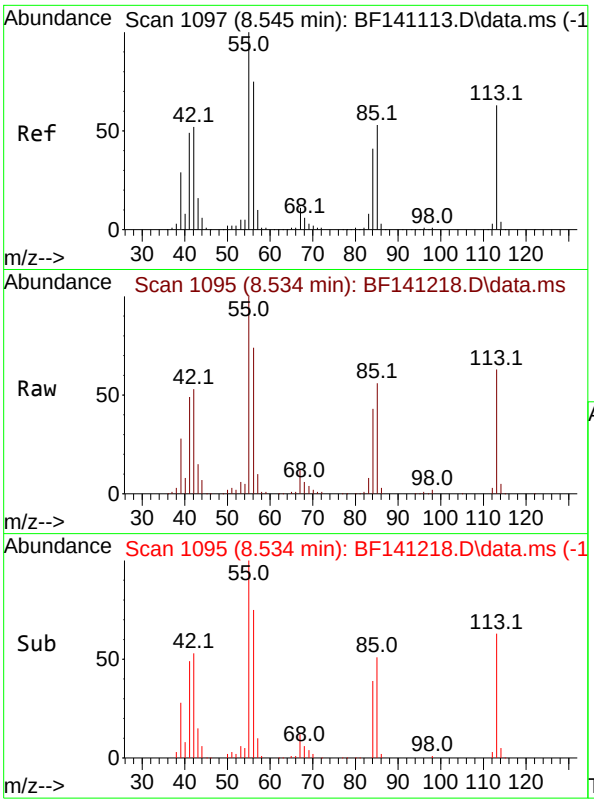


#34
Hexachlorobutadiene
Concen: 47.180 ng
RT: 8.234 min Scan# 1044
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:225 Resp: 305369

Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.6	76.0
227	64.8	51.6	77.4



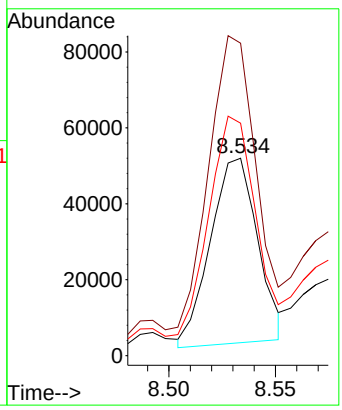


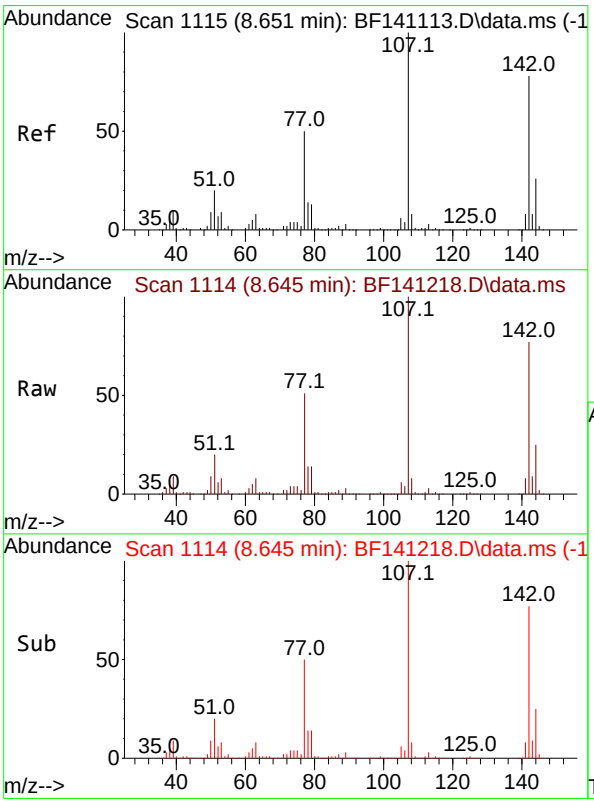
#35
Caprolactam
Concen: 24.457 ng
RT: 8.534 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :
BNA_F
ClientSampleId :
PB166117BS

Tgt Ion:113 Resp: 75245

Ion	Ratio	Lower	Upper
113	100		
55	158.3	139.7	179.7
56	117.7	99.4	139.4

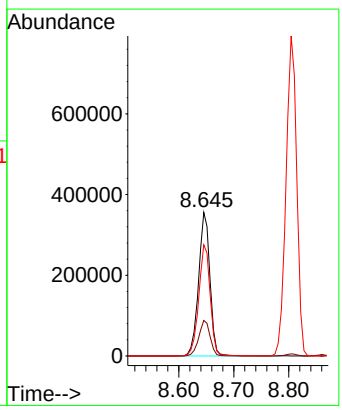


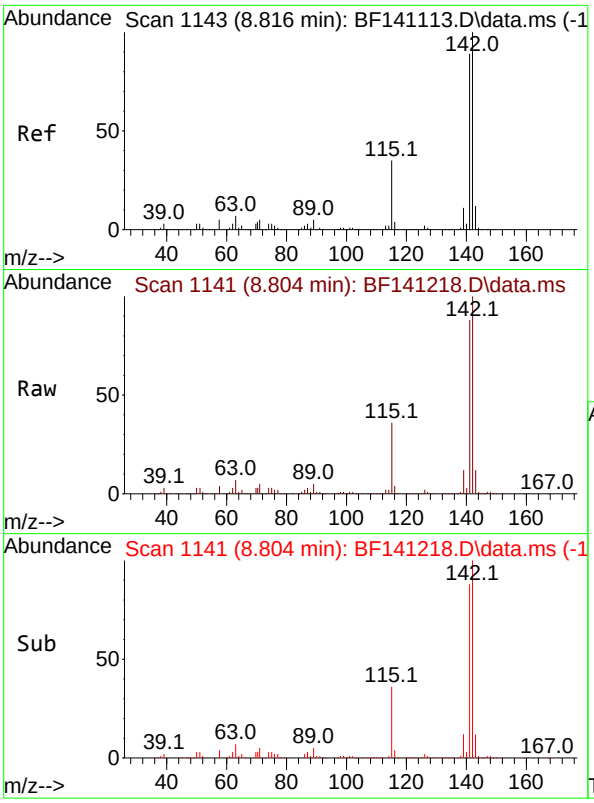


#36
4-Chloro-3-methylphenol
Concen: 49.770 ng
RT: 8.645 min Scan# 1114
Delta R.T. -0.006 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:107 Resp: 511507

Ion	Ratio	Lower	Upper
107	100		
144	24.7	20.4	30.6
142	77.5	62.2	93.2



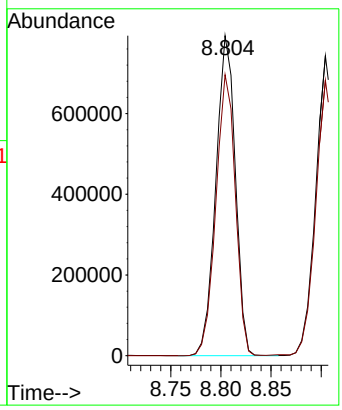


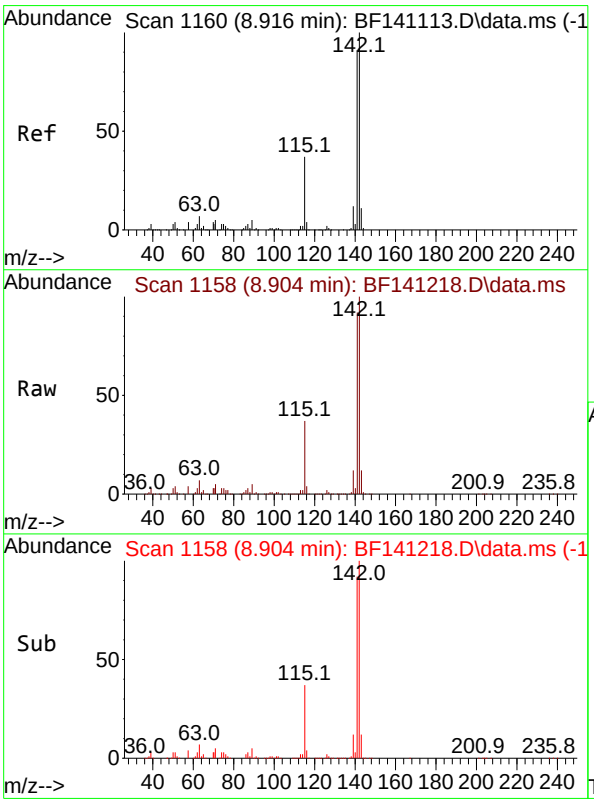
#37
2-Methylnaphthalene
Concen: 48.523 ng
RT: 8.804 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :
BNA_F
ClientSampleId :
PB166117BS

Tgt Ion:142 Resp: 1069518

Ion	Ratio	Lower	Upper
142	100		
141	87.8	71.3	106.9

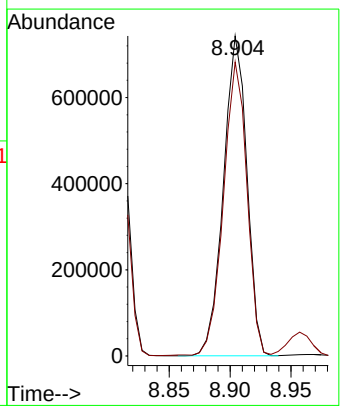


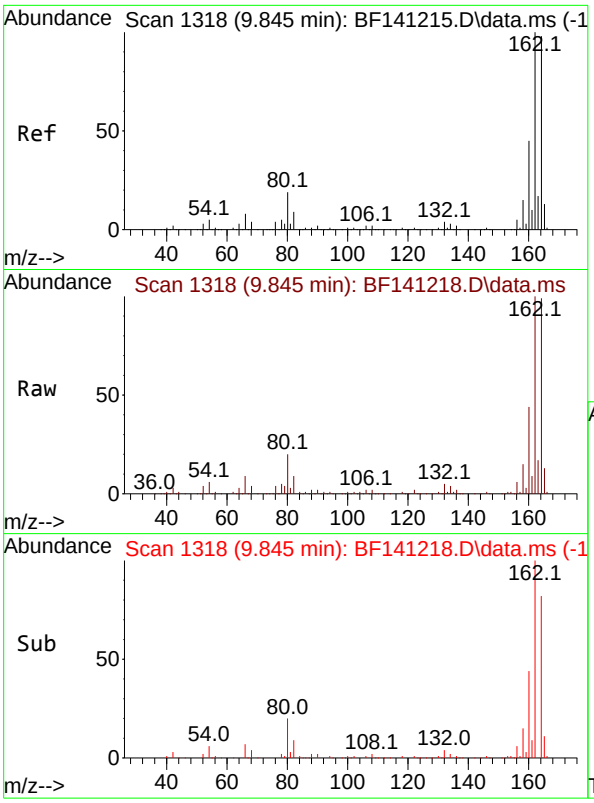


#38
1-Methylnaphthalene
Concen: 45.825 ng
RT: 8.904 min Scan# 1158
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:142 Resp: 995441

Ion	Ratio	Lower	Upper
142	100		
141	91.9	73.1	109.7



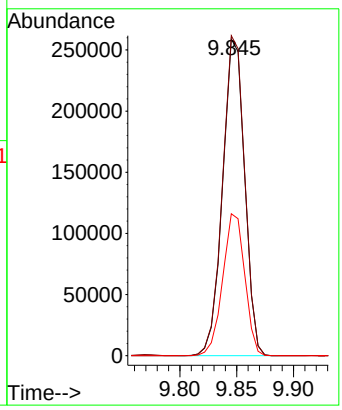


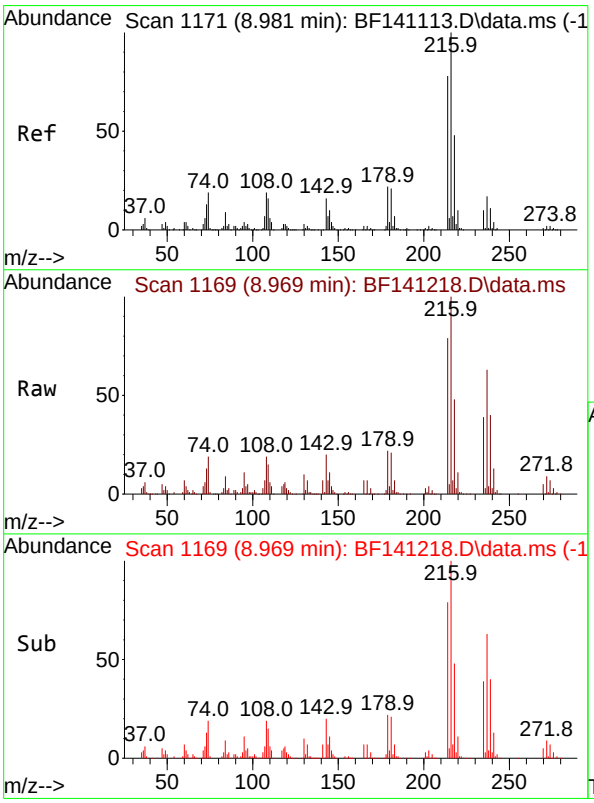
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.845 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :
BNA_F
ClientSampleId :
PB166117BS

Tgt Ion:164 Resp: 349277

Ion	Ratio	Lower	Upper
164	100		
162	101.0	81.0	121.4
160	44.8	36.1	54.1

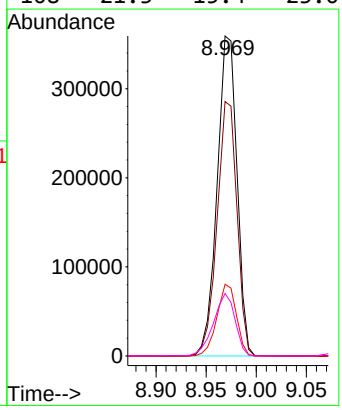


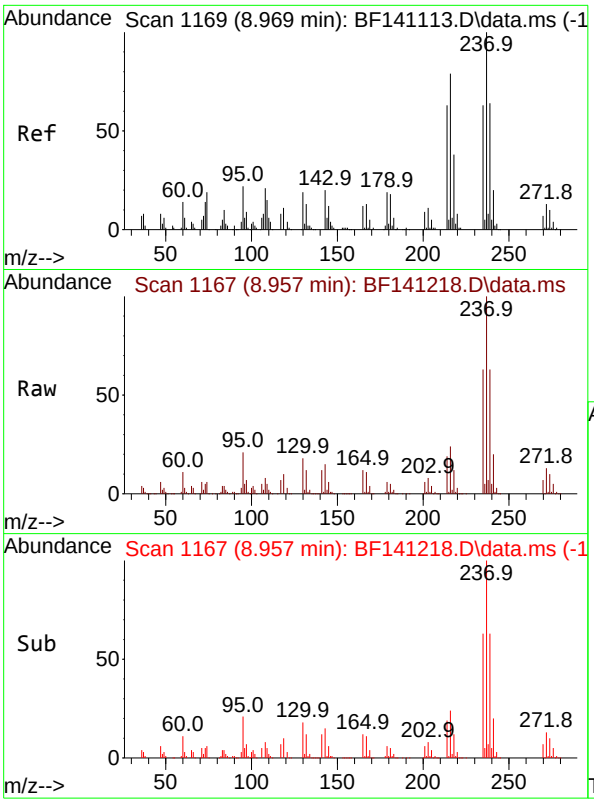


#40
1,2,4,5-Tetrachlorobenzene
Concen: 49.325 ng
RT: 8.969 min Scan# 1169
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:216 Resp: 494483

Ion	Ratio	Lower	Upper
216	100		
214	79.5	62.6	94.0
179	22.0	17.7	26.5
108	21.3	15.4	23.0



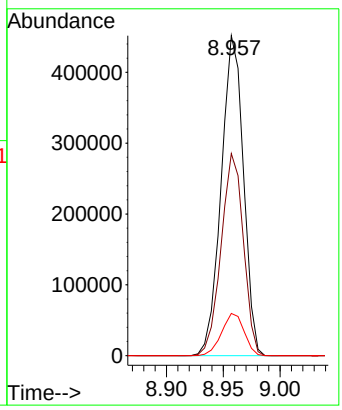


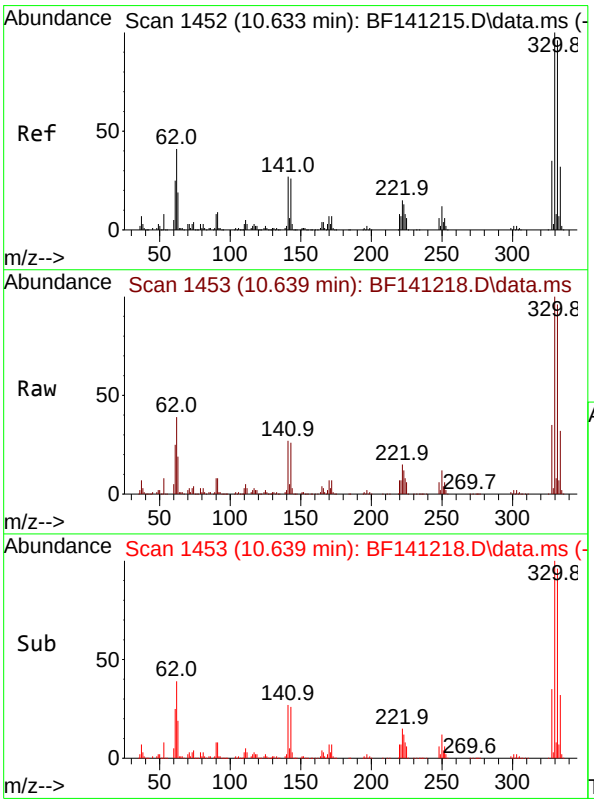
#41
Hexachlorocyclopentadiene
Concen: 187.813 ng
RT: 8.957 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :
BNA_F
ClientSampleId :
PB166117BS

Tgt Ion:237 Resp: 615991

Ion	Ratio	Lower	Upper
237	100		
235	63.2	43.0	83.0
272	13.2	0.0	33.0

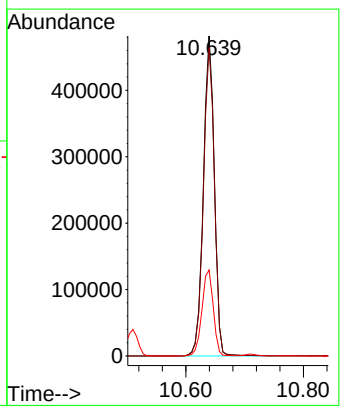


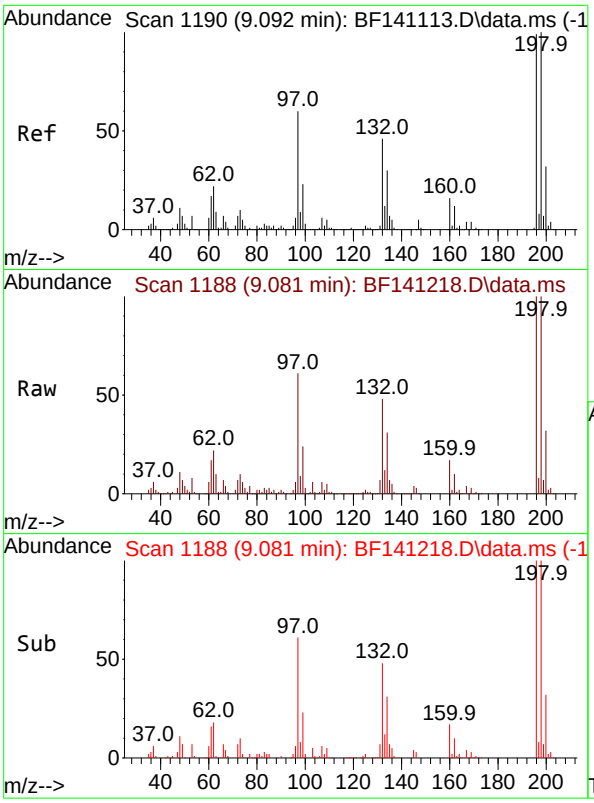


#42
2,4,6-Tribromophenol
Concen: 157.484 ng
RT: 10.639 min Scan# 1453
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:330 Resp: 626751

Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.9	115.3
141	27.8	25.2	37.8



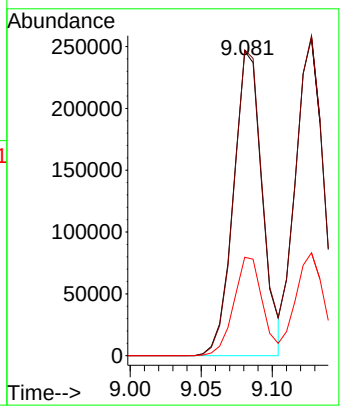


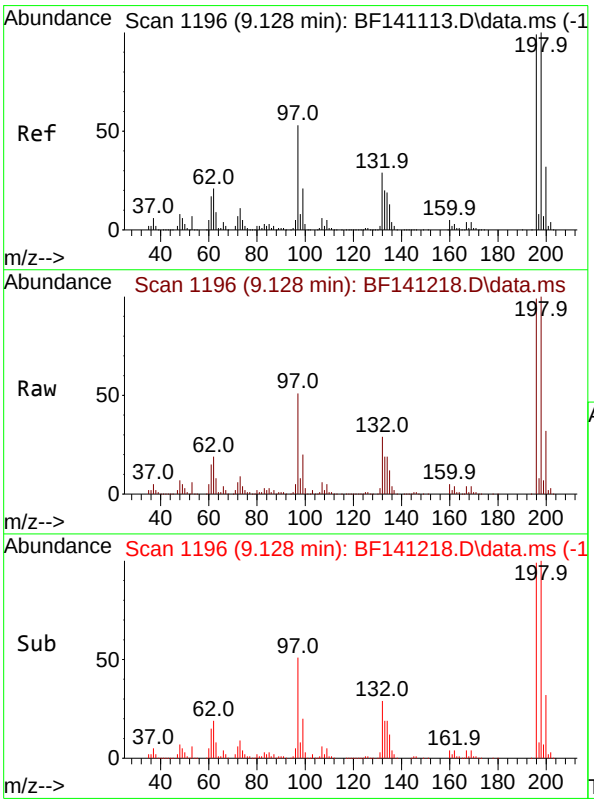
#43
2,4,6-Trichlorophenol
Concen: 51.332 ng
RT: 9.081 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :
BNA_F
ClientSampleId :
PB166117BS

Tgt Ion:196 Resp: 347068

Ion	Ratio	Lower	Upper
196	100		
198	100.4	80.8	121.2
200	32.3	25.7	38.5

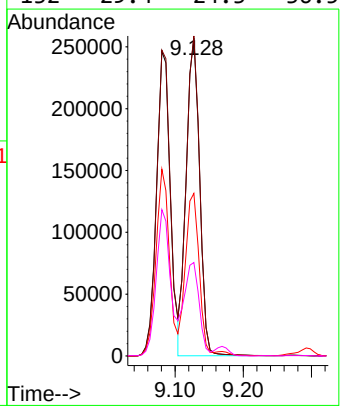


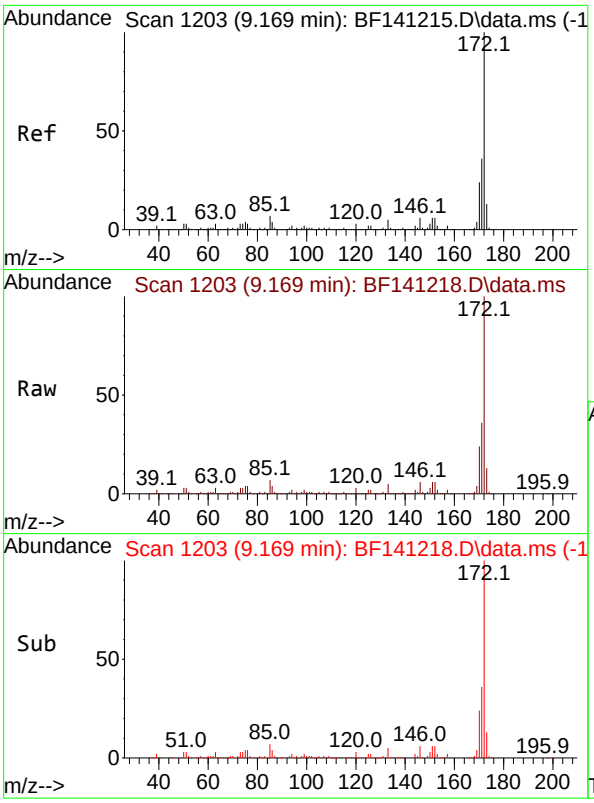


#44
2,4,5-Trichlorophenol
Concen: 49.232 ng
RT: 9.128 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:196 Resp: 351551

Ion	Ratio	Lower	Upper
196	100		
198	100.7	80.6	120.8
97	51.2	43.1	64.7
132	29.4	24.3	36.5



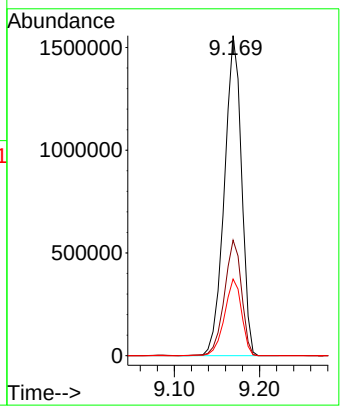


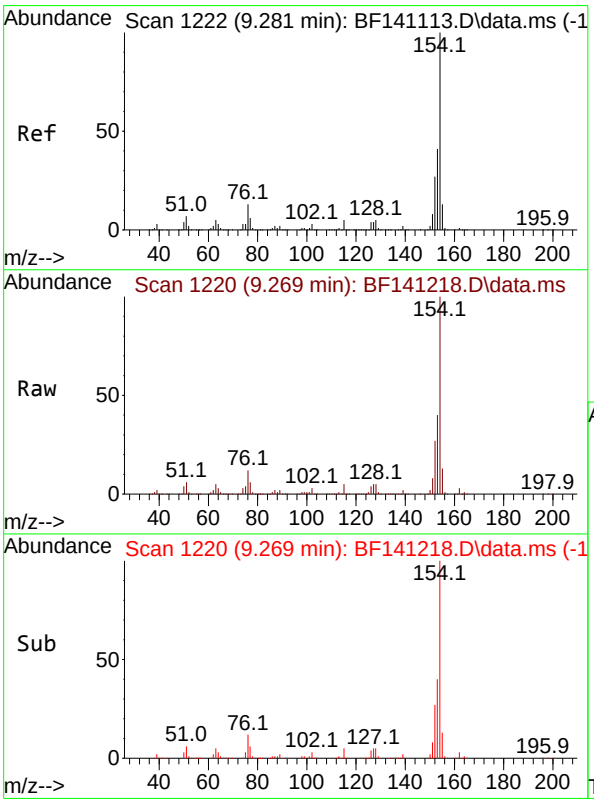
#45
2-Fluorobiphenyl
Concen: 95.361 ng
RT: 9.169 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :
BNA_F
ClientSampleId :
PB166117BS

Tgt Ion:172 Resp: 2181161

Ion	Ratio	Lower	Upper
172	100		
171	36.1	28.7	43.1
170	24.0	19.0	28.6

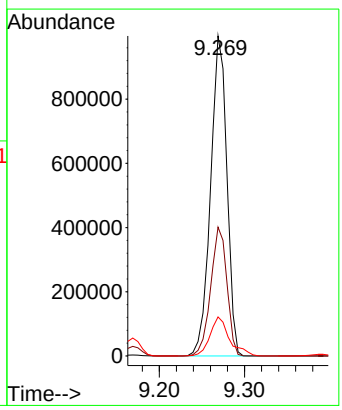


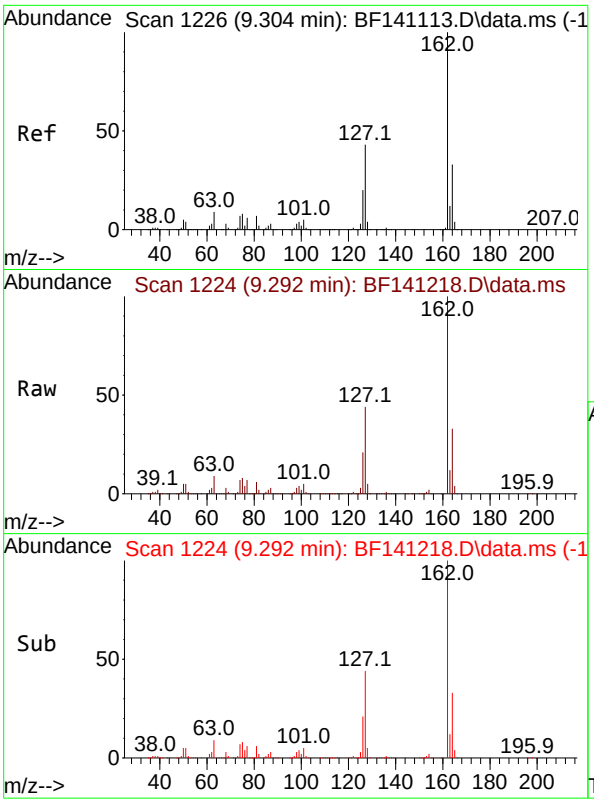


#46
1,1'-Biphenyl
Concen: 48.829 ng
RT: 9.269 min Scan# 1220
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:154 Resp: 1324467

Ion	Ratio	Lower	Upper
154	100		
153	40.3	20.7	60.7
76	12.2	0.0	33.1



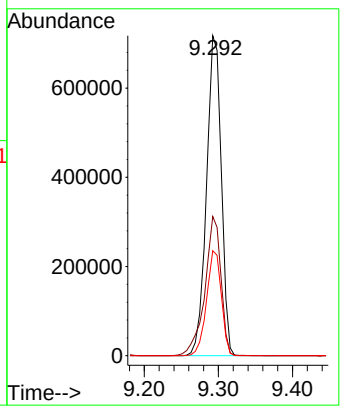


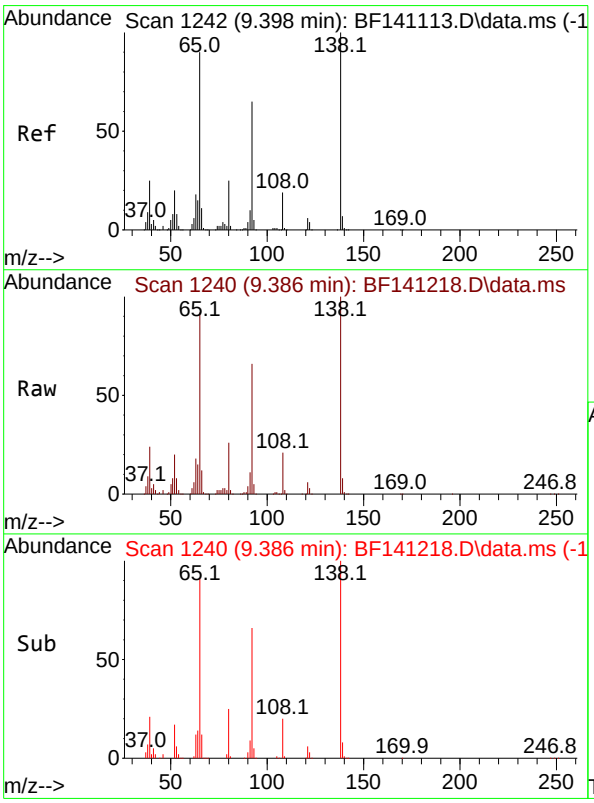
#47
2-Chloronaphthalene
Concen: 47.045 ng
RT: 9.292 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :
BNA_F
ClientSampleId :
PB166117BS

Tgt Ion:162 Resp: 993920

Ion	Ratio	Lower	Upper
162	100		
127	43.5	34.6	51.8
164	32.8	26.5	39.7

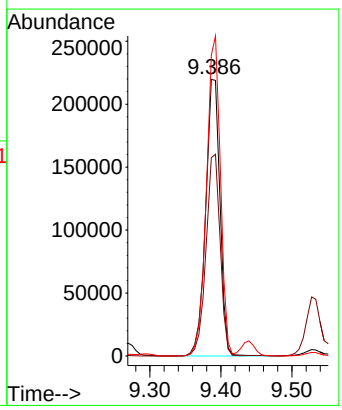


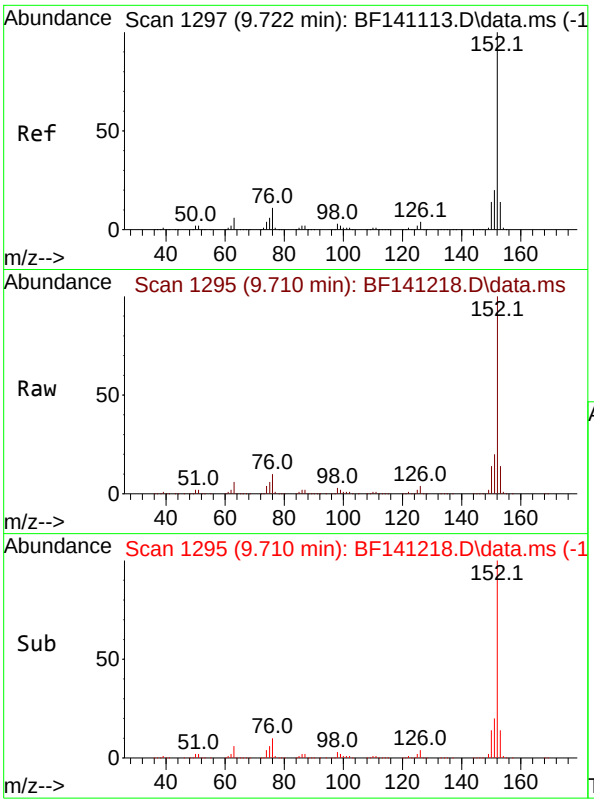


#48
2-Nitroaniline
Concen: 49.248 ng
RT: 9.386 min Scan# 1240
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion: 65 Resp: 308424

Ion	Ratio	Lower	Upper
65	100		
92	71.6	58.3	87.5
138	108.7	89.1	133.7



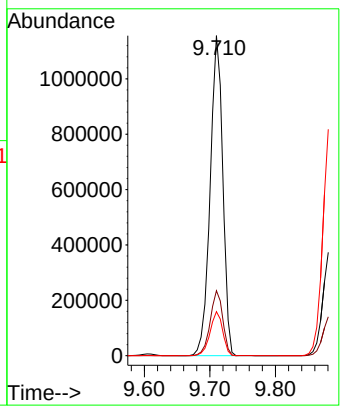


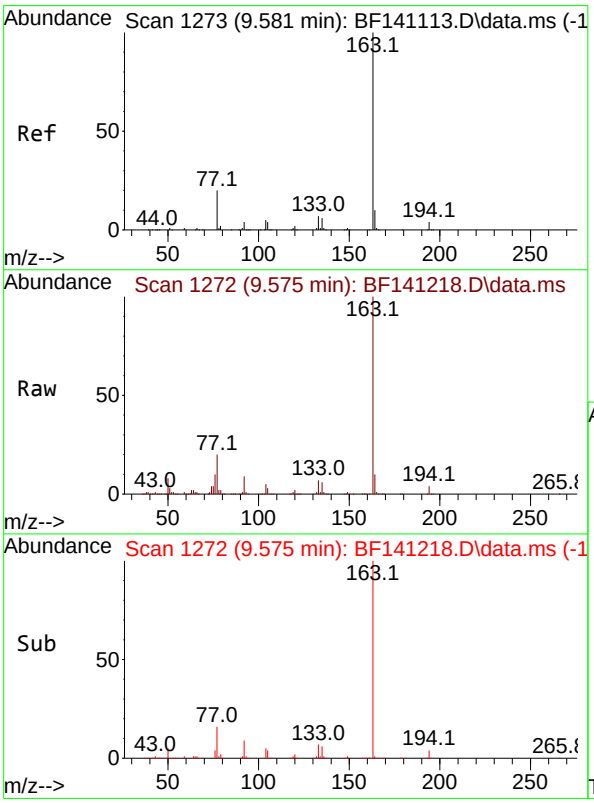
#49
Acenaphthylene
Concen: 51.294 ng
RT: 9.710 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :
BNA_F
ClientSampleId :
PB166117BS

Tgt Ion:152 Resp: 1548262

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.1	24.1
153	13.8	11.1	16.7

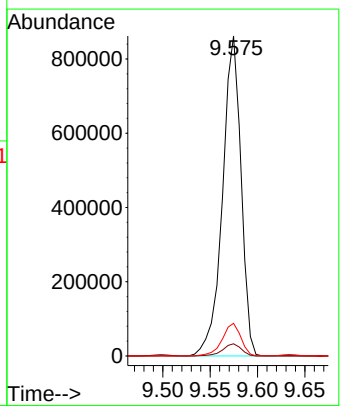


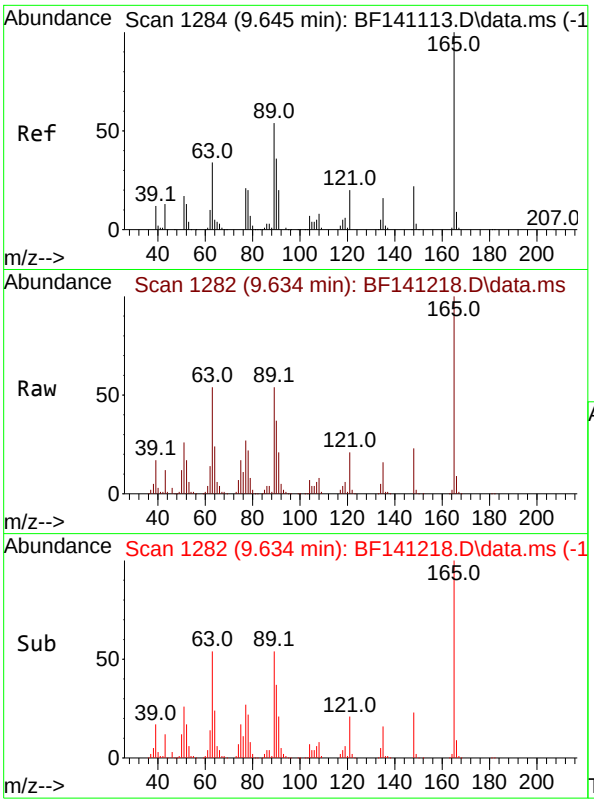


#50
Dimethylphthalate
Concen: 50.025 ng
RT: 9.575 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:163 Resp: 1173008

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.0	4.6
164	10.2	8.2	12.4



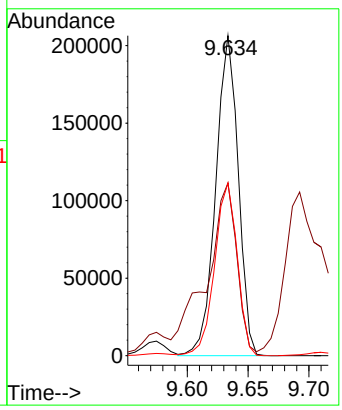


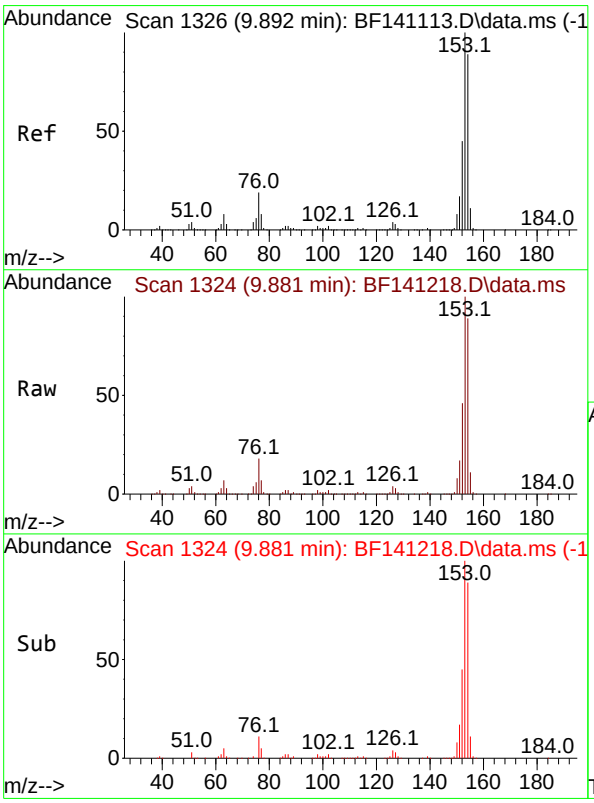
#51
2,6-Dinitrotoluene
Concen: 48.718 ng
RT: 9.634 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :
BNA_F
ClientSampleId :
PB166117BS

Tgt Ion:165 Resp: 265650

Ion	Ratio	Lower	Upper
165	100		
63	53.9	42.3	63.5
89	53.9	43.1	64.7

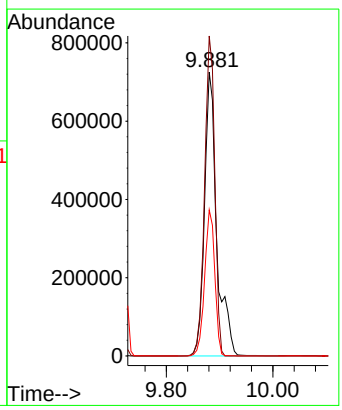


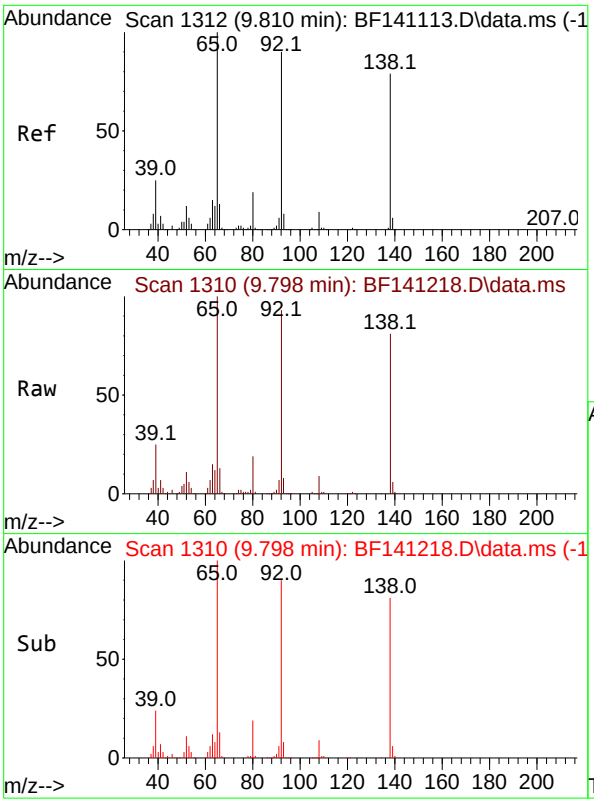


#52
Acenaphthene
Concen: 55.071 ng
RT: 9.881 min Scan# 1324
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:154 Resp: 1161330

Ion	Ratio	Lower	Upper
154	100		
153	112.7	89.8	134.6
152	51.5	40.8	61.2



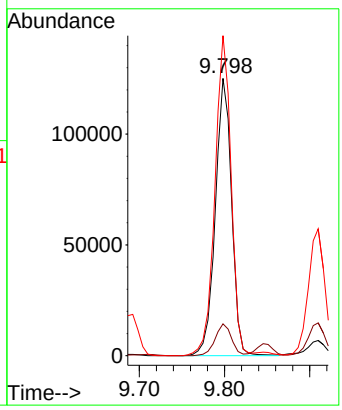


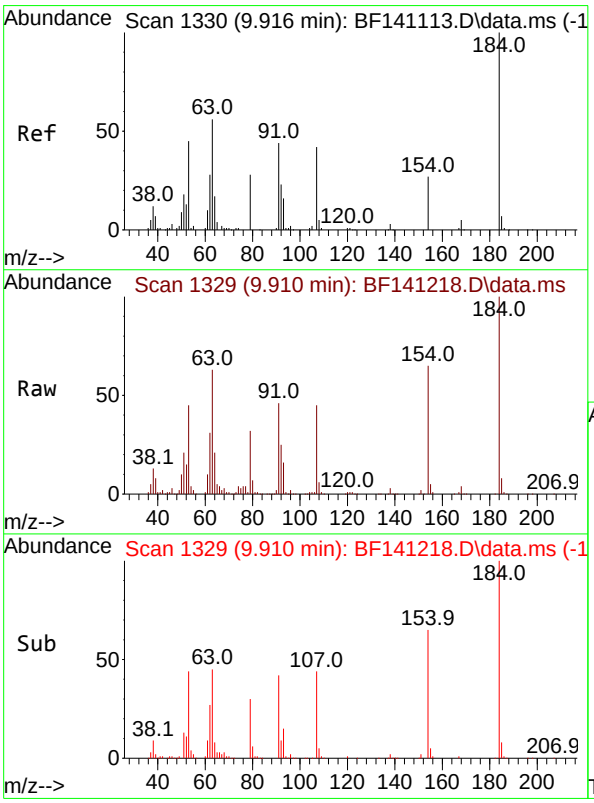
#53
3-Nitroaniline
Concen: 30.011 ng
RT: 9.798 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :
BNA_F
ClientSampleId :
PB166117BS

Tgt Ion:138 Resp: 166299

Ion	Ratio	Lower	Upper
138	100		
108	11.5	8.8	13.2
92	115.4	91.3	136.9

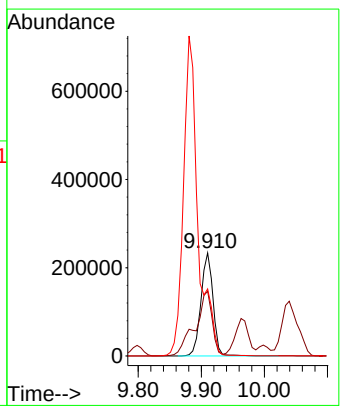


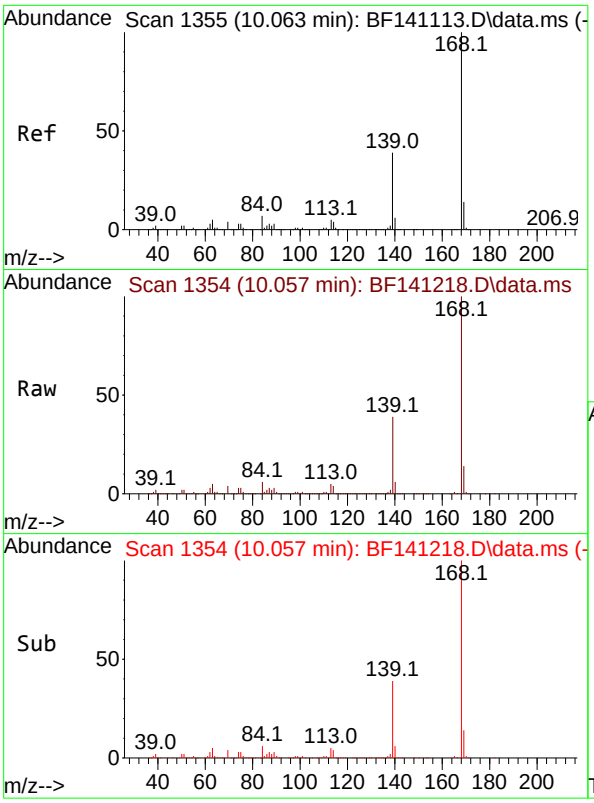


#54
2,4-Dinitrophenol
Concen: 119.414 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:184 Resp: 309500

Ion	Ratio	Lower	Upper
184	100		
63	62.9	48.7	73.1
154	65.0	57.1	85.7



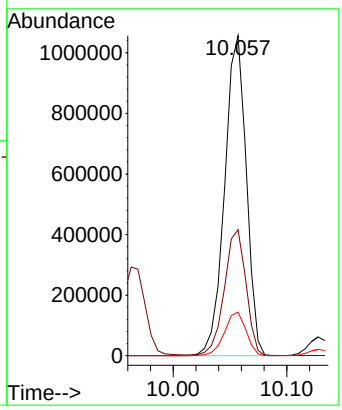


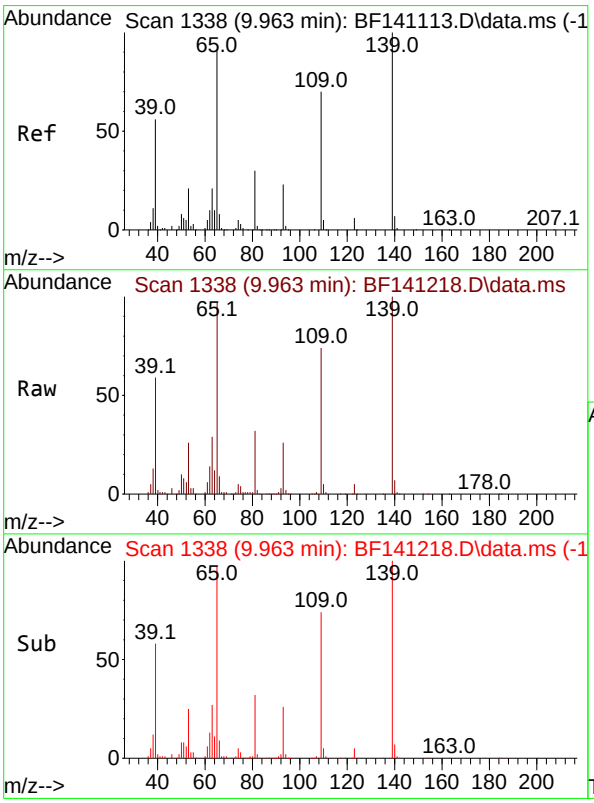
#55
Dibenzofuran
Concen: 48.758 ng
RT: 10.057 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :
BNA_F
ClientSampleId :
PB166117BS

Tgt Ion:168 Resp: 1398581

Ion	Ratio	Lower	Upper
168	100		
139	39.4	31.4	47.0
169	13.6	10.9	16.3

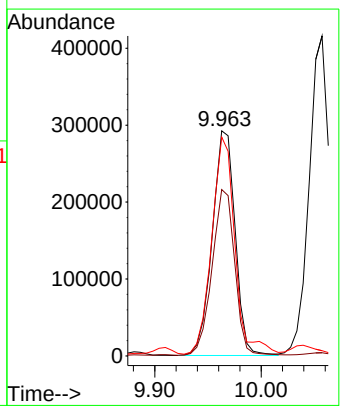


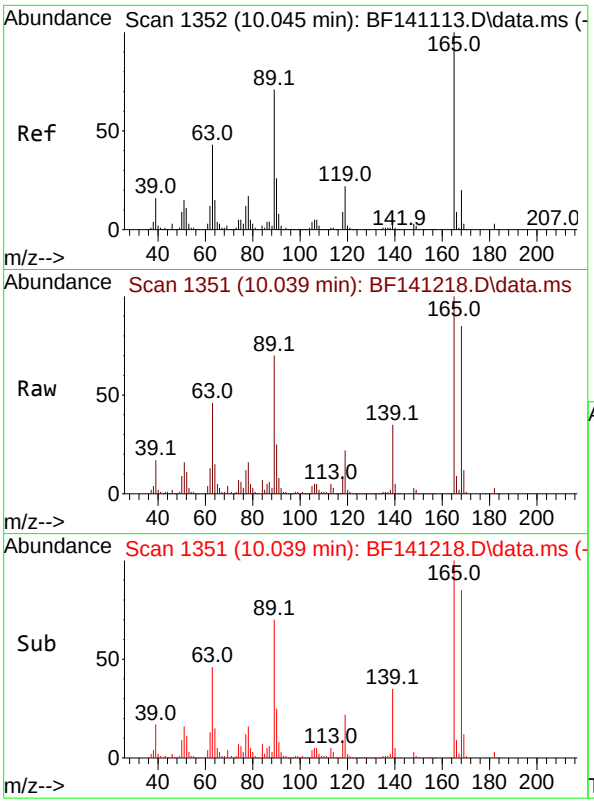


#56
4-Nitrophenol
Concen: 100.317 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.000 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:139 Resp: 435346

Ion	Ratio	Lower	Upper
139	100		
109	73.9	50.2	90.2
65	97.2	72.1	112.1



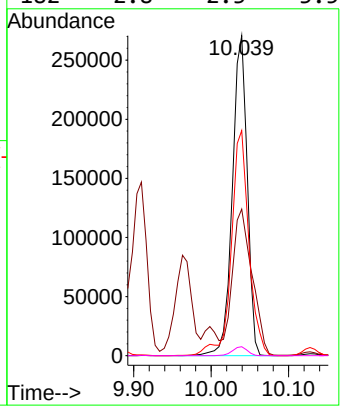


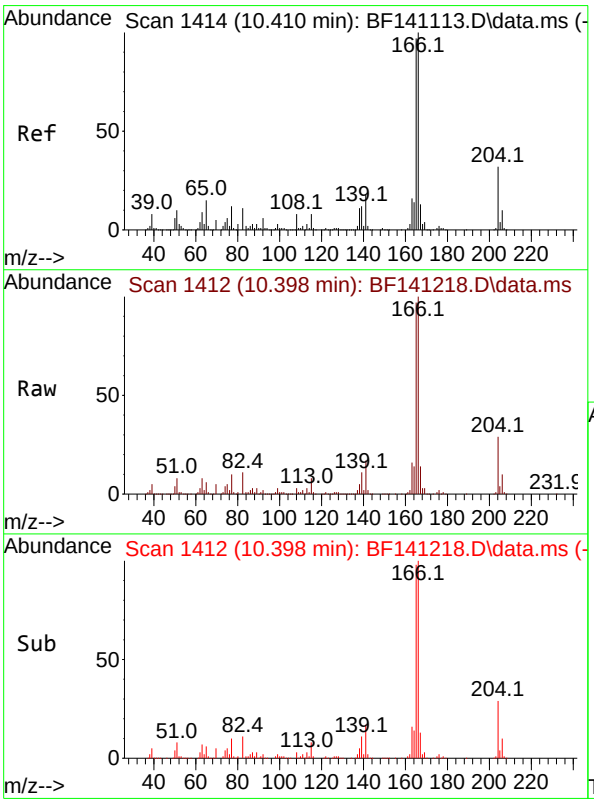
#57
2,4-Dinitrotoluene
Concen: 51.576 ng
RT: 10.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :
BNA_F
ClientSampleId :
PB166117BS

Tgt Ion:165 Resp: 362433

Ion	Ratio	Lower	Upper
165	100		
63	45.8	35.0	52.4
89	70.4	56.7	85.1
182	2.8	2.3	3.5

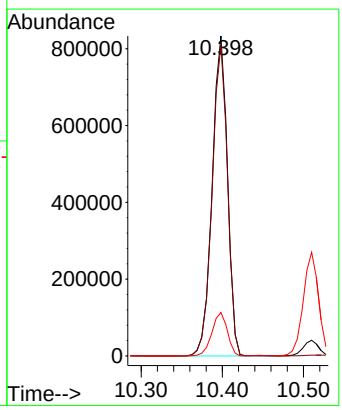


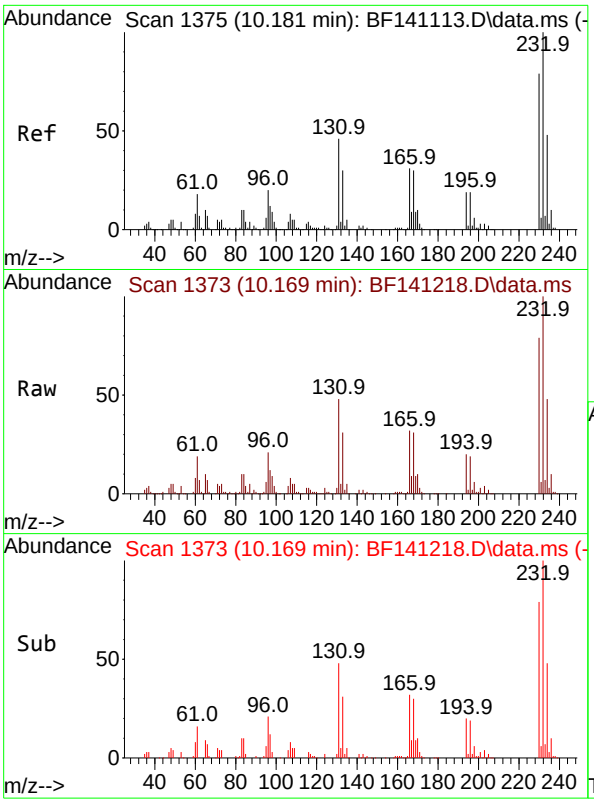


#58
Fluorene
Concen: 48.984 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:166 Resp: 1091586

Ion	Ratio	Lower	Upper
166	100		
165	97.2	77.8	116.8
167	13.6	10.8	16.2



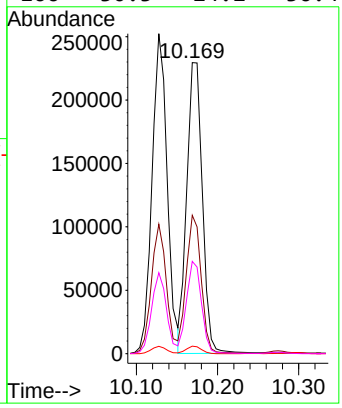


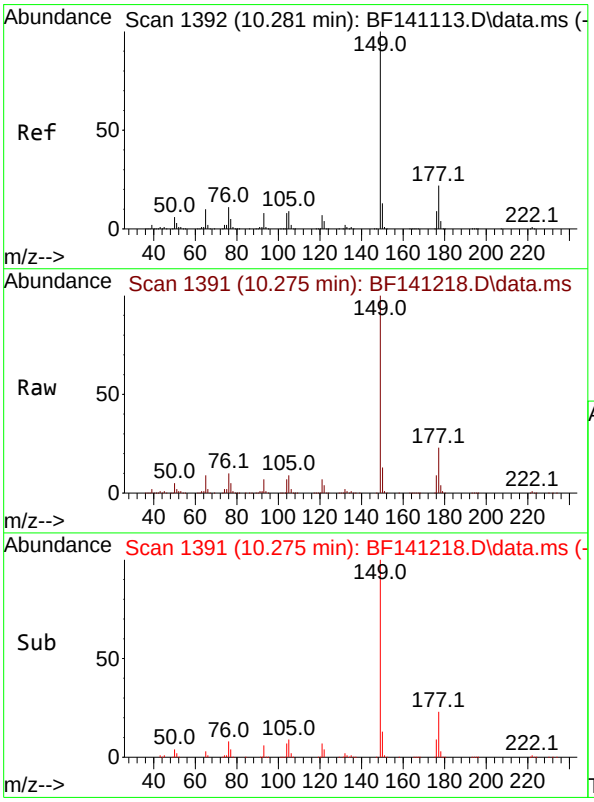
#59
2,3,4,6-Tetrachlorophenol
Concen: 51.784 ng
RT: 10.169 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :
BNA_F
ClientSampleId :
PB166117BS

Tgt Ion:232 Resp: 307358

Ion	Ratio	Lower	Upper
232	100		
131	45.5	36.2	54.4
130	2.5	2.0	3.0
166	30.3	24.2	36.4

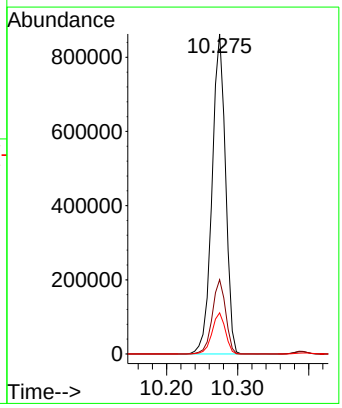


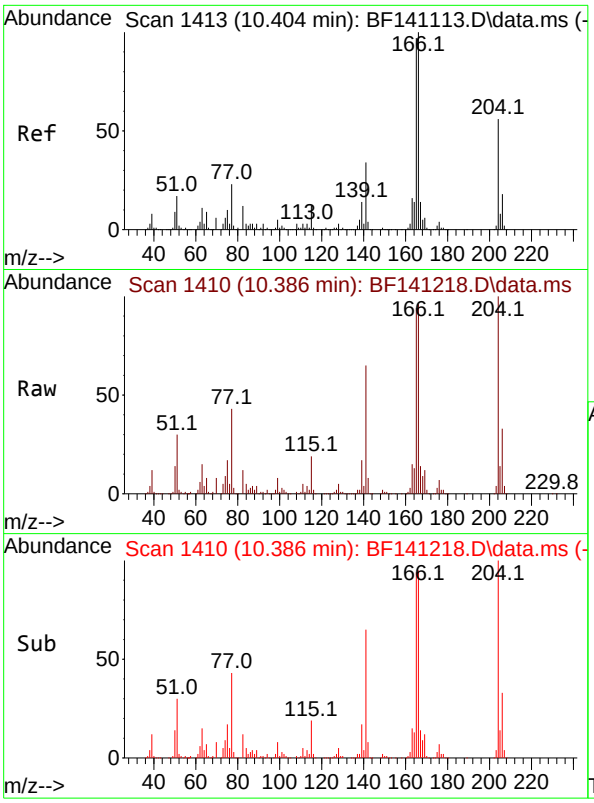


#60
Diethylphthalate
Concen: 49.488 ng
RT: 10.275 min Scan# 1391
Delta R.T. -0.006 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:149 Resp: 1132863

Ion	Ratio	Lower	Upper
149	100		
177	23.2	17.9	26.9
150	12.8	10.2	15.2



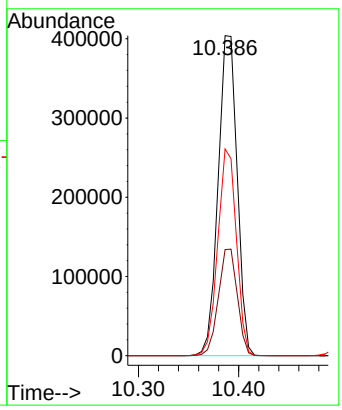


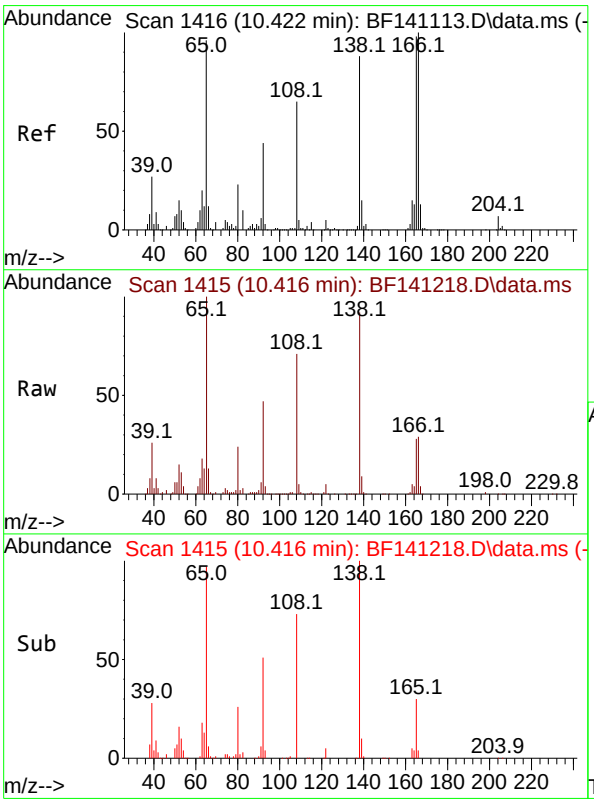
#61
4-Chlorophenyl-phenylether
Concen: 49.001 ng
RT: 10.386 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :
BNA_F
ClientSampleId :
PB166117BS

Tgt Ion:204 Resp: 532210

Ion	Ratio	Lower	Upper
204	100		
206	33.1	25.9	38.9
141	64.6	49.1	73.7

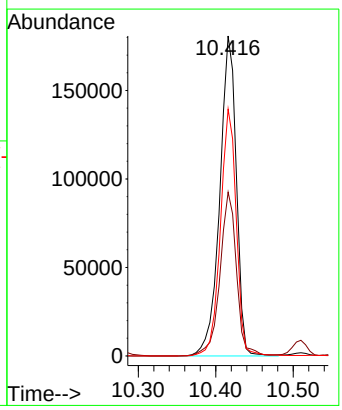


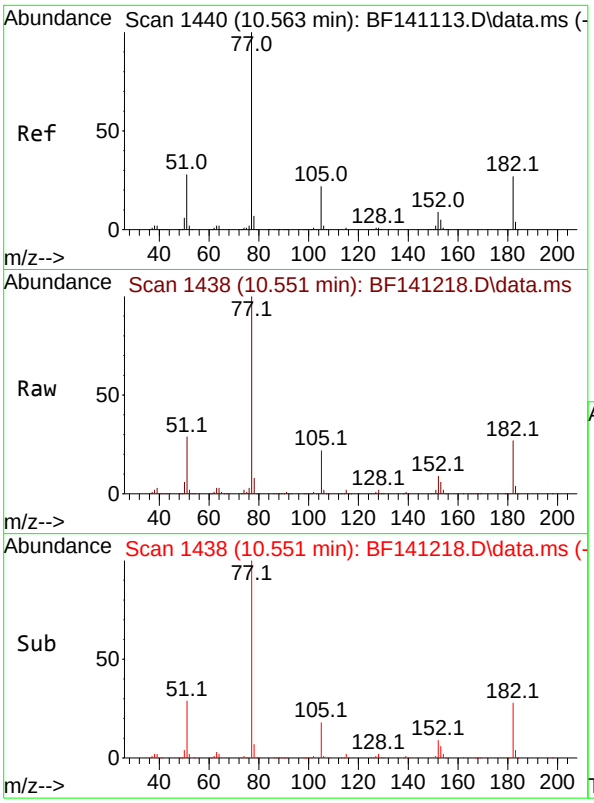


#62
4-Nitroaniline
Concen: 49.612 ng
RT: 10.416 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:138 Resp: 269068

Ion	Ratio	Lower	Upper
138	100		
92	51.2	29.4	69.4
108	77.2	53.7	93.7



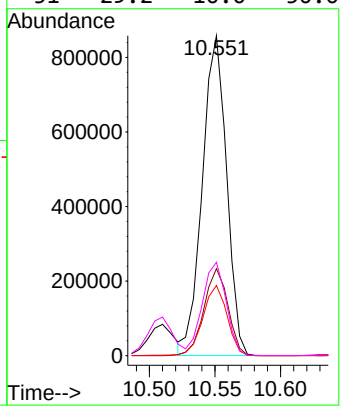


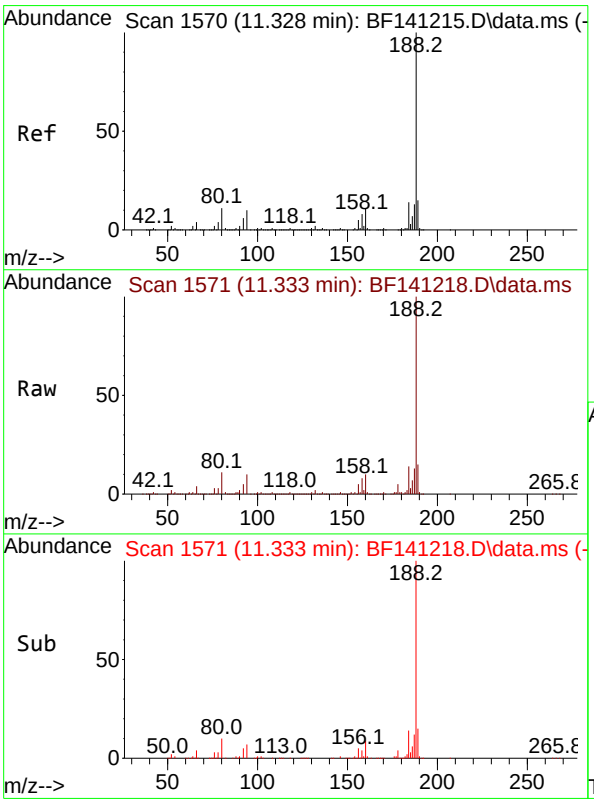
#63
Azobenzene
Concen: 48.914 ng
RT: 10.551 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :
BNA_F
ClientSampleId :
PB166117BS

Tgt Ion: 77 Resp: 1104849

Ion	Ratio	Lower	Upper
77	100		
182	27.2	6.1	46.1
105	21.9	2.1	42.1
51	29.2	10.0	50.0

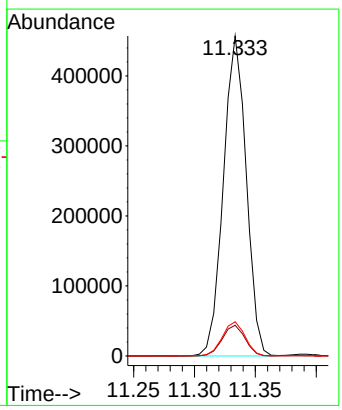


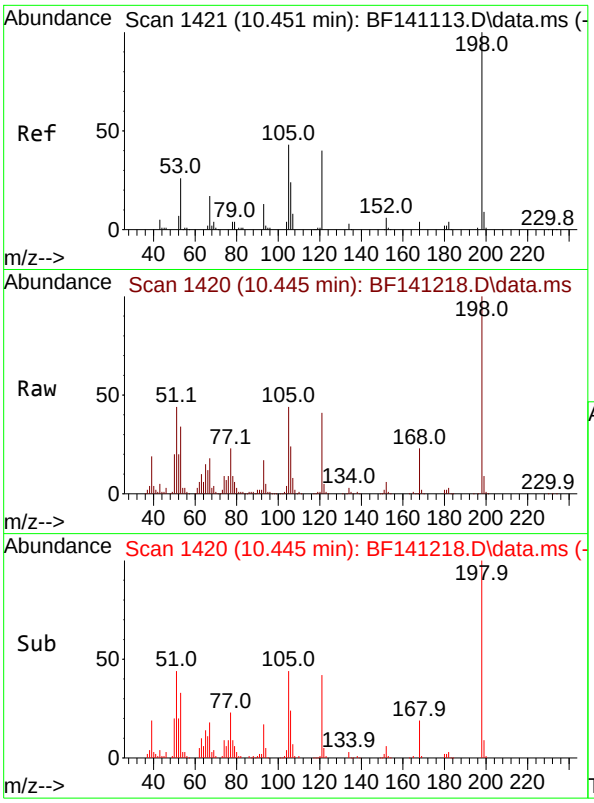


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.333 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:188 Resp: 596700

Ion	Ratio	Lower	Upper
188	100		
94	9.6	8.3	12.5
80	10.7	9.0	13.4



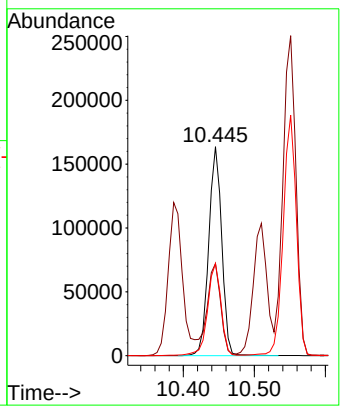


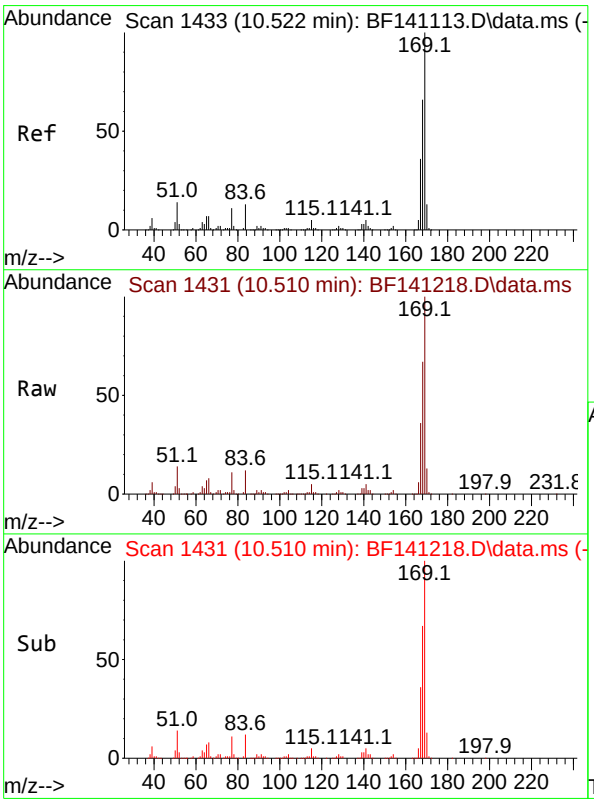
#65
4,6-Dinitro-2-methylphenol
Concen: 60.375 ng
RT: 10.445 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :
BNA_F
ClientSampleId :
PB166117BS

Tgt Ion:198 Resp: 208758

Ion	Ratio	Lower	Upper
198	100		
51	44.1	27.1	67.1
105	44.1	24.2	64.2

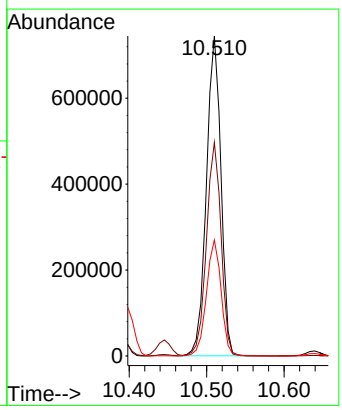


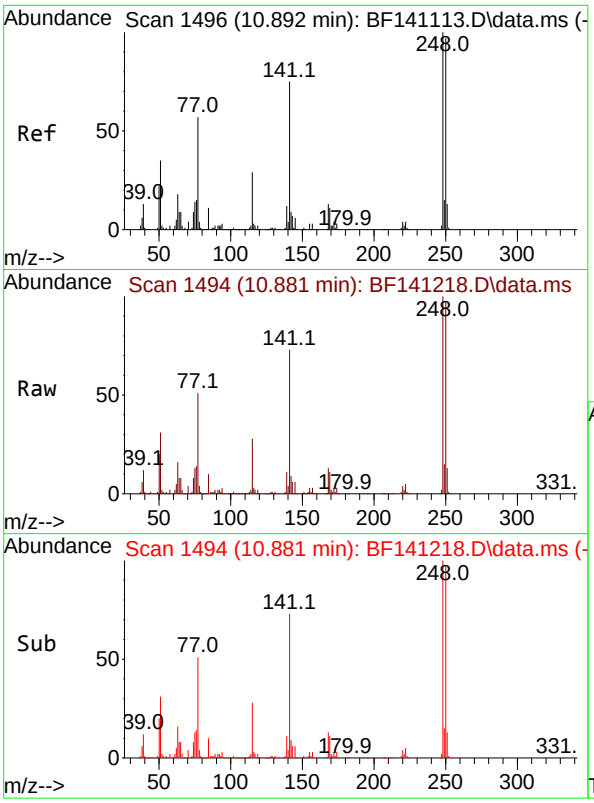


#66
n-Nitrosodiphenylamine
Concen: 50.372 ng
RT: 10.510 min Scan# 1431
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:169 Resp: 969467

Ion	Ratio	Lower	Upper
169	100		
168	66.8	52.5	78.7
167	36.3	28.9	43.3



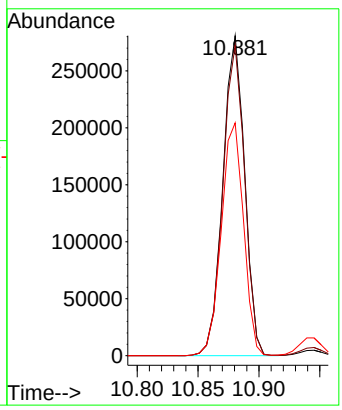


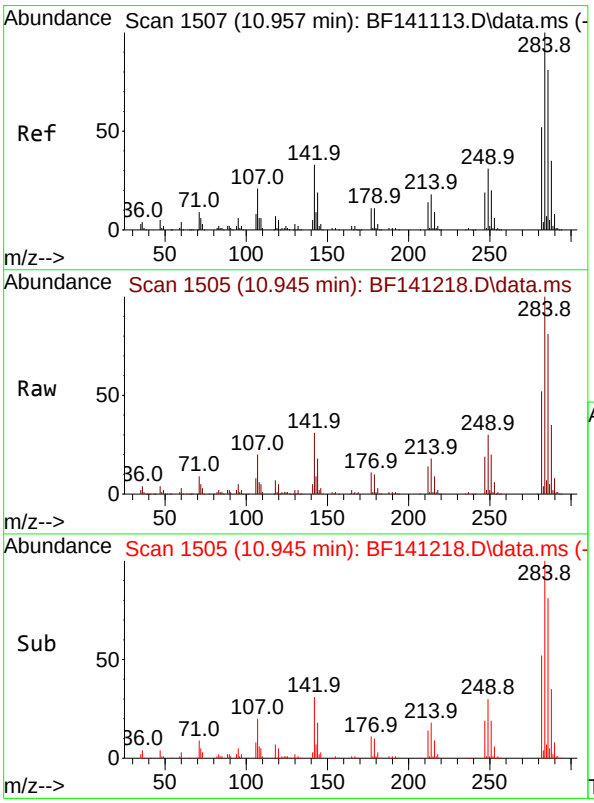
#67
4-Bromophenyl-phenylether
Concen: 50.925 ng
RT: 10.881 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :
BNA_F
ClientSampleId :
PB166117BS

Tgt Ion:248 Resp: 349844

Ion	Ratio	Lower	Upper
248	100		
250	97.0	77.9	116.9
141	72.8	59.9	89.9

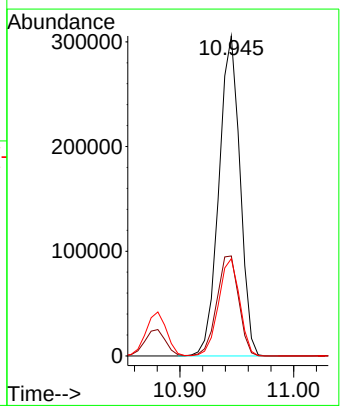


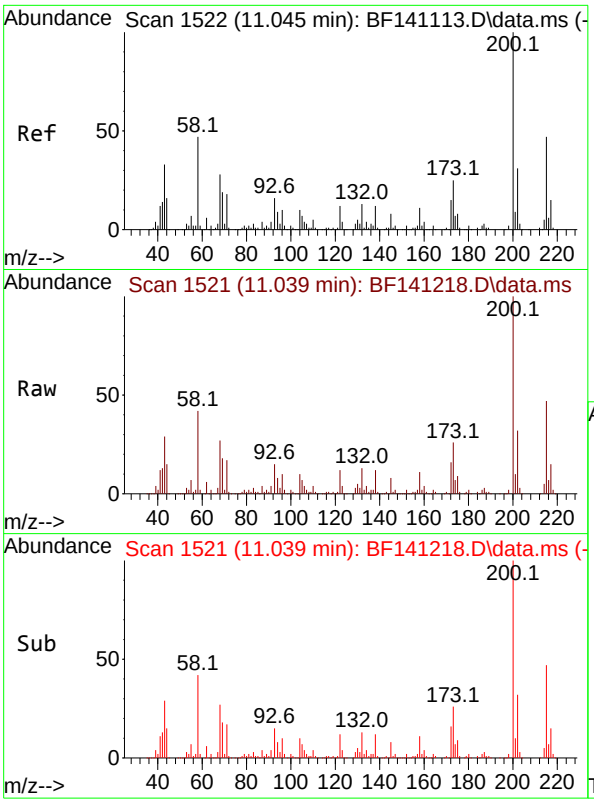


#68
Hexachlorobenzene
Concen: 51.449 ng
RT: 10.945 min Scan# 1505
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:284 Resp: 393452

Ion	Ratio	Lower	Upper
284	100		
142	31.2	26.3	39.5
249	30.4	24.9	37.3



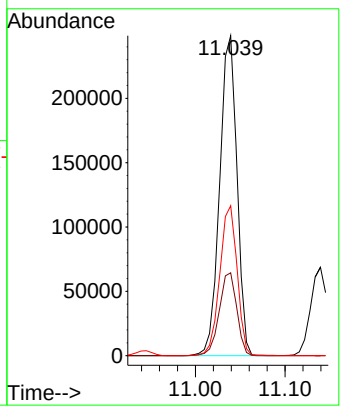


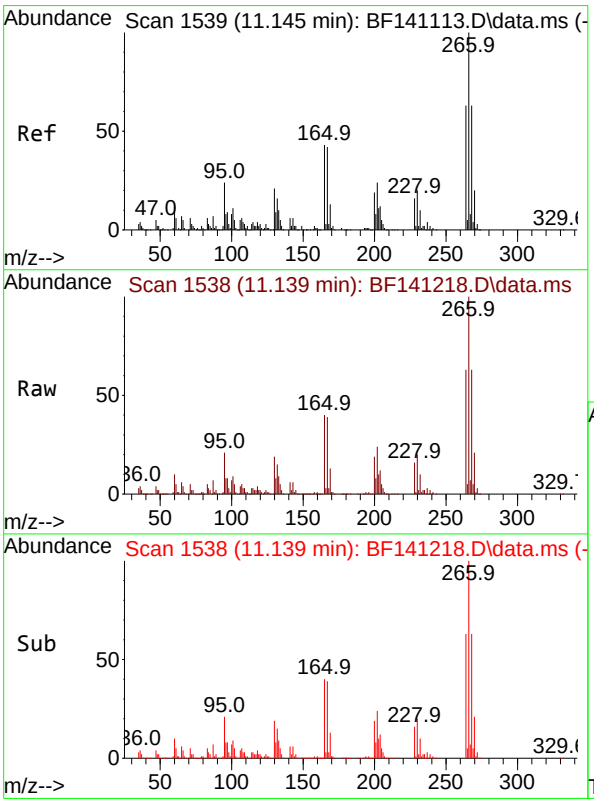
#69
Atrazine
Concen: 64.267 ng
RT: 11.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :
BNA_F
ClientSampleId :
PB166117BS

Tgt Ion:200 Resp: 333043

Ion	Ratio	Lower	Upper
200	100		
173	25.9	5.4	45.4
215	46.8	26.6	66.6

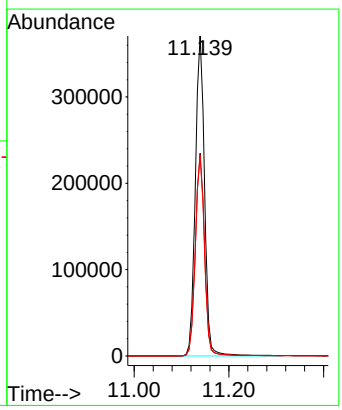


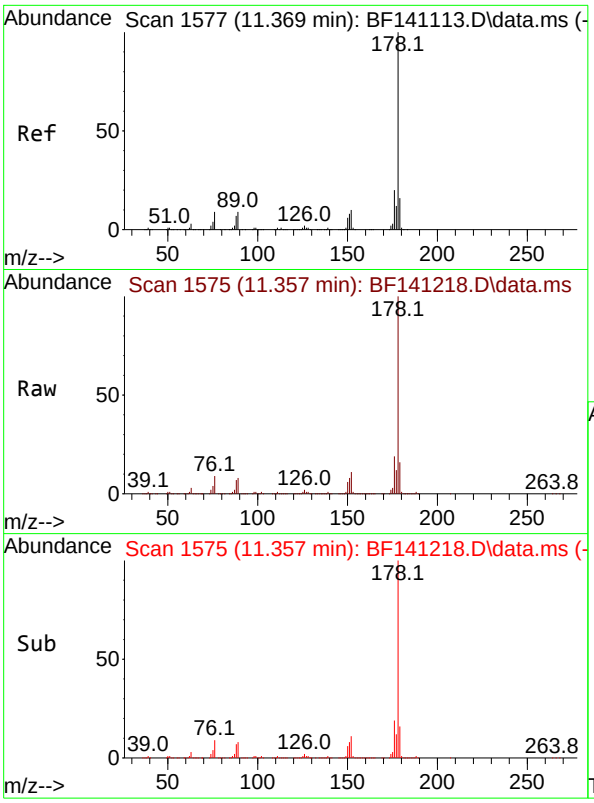


#70
Pentachlorophenol
Concen: 102.404 ng
RT: 11.139 min Scan# 1538
Delta R.T. -0.006 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:266 Resp: 501513

Ion	Ratio	Lower	Upper
266	100		
268	63.3	50.4	75.6
264	62.5	50.2	75.2



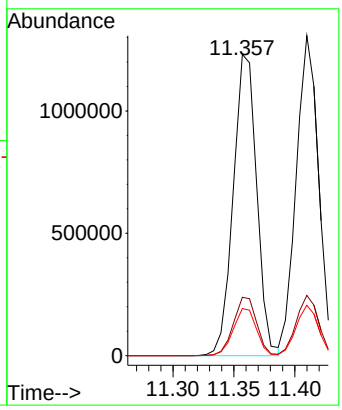


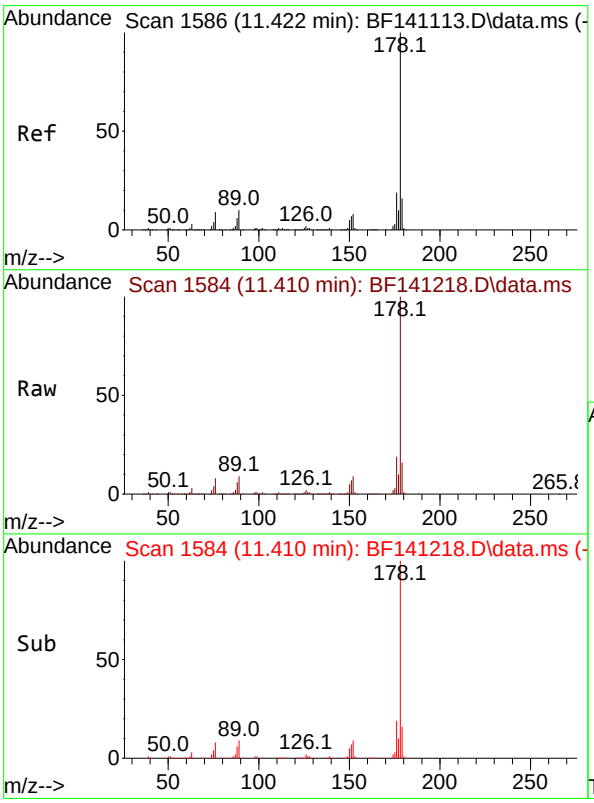
#71
Phenanthrene
Concen: 51.589 ng
RT: 11.357 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :
BNA_F
ClientSampleId :
PB166117BS

Tgt Ion:178 Resp: 1652640

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.7	23.5
179	15.7	12.6	19.0

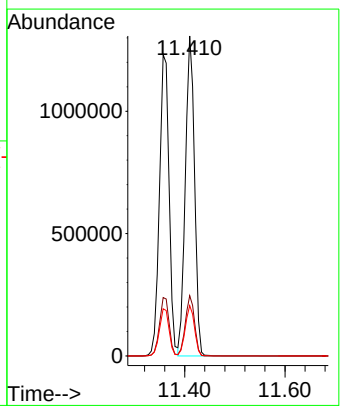


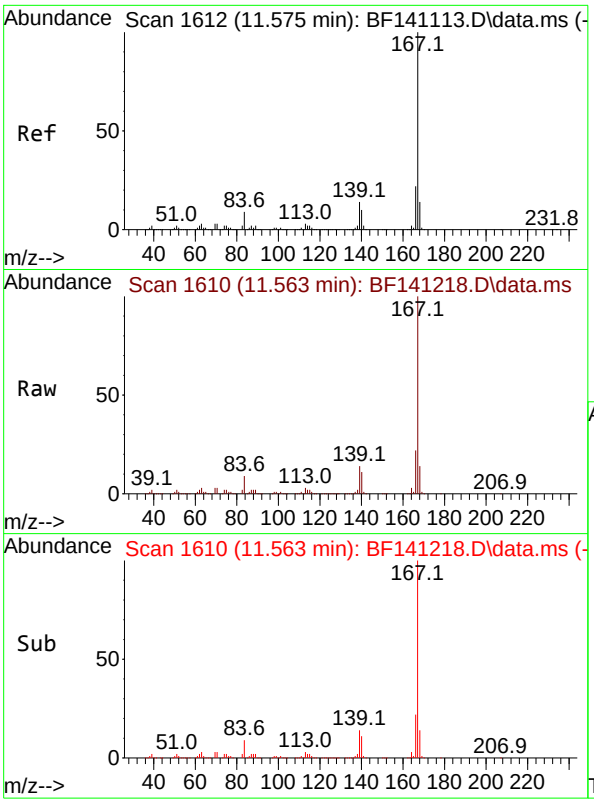


#72
Anthracene
Concen: 53.576 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:178 Resp: 1668857

Ion	Ratio	Lower	Upper
178	100		
176	18.9	14.9	22.3
179	15.8	12.6	19.0



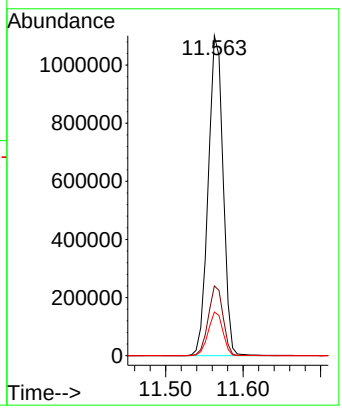


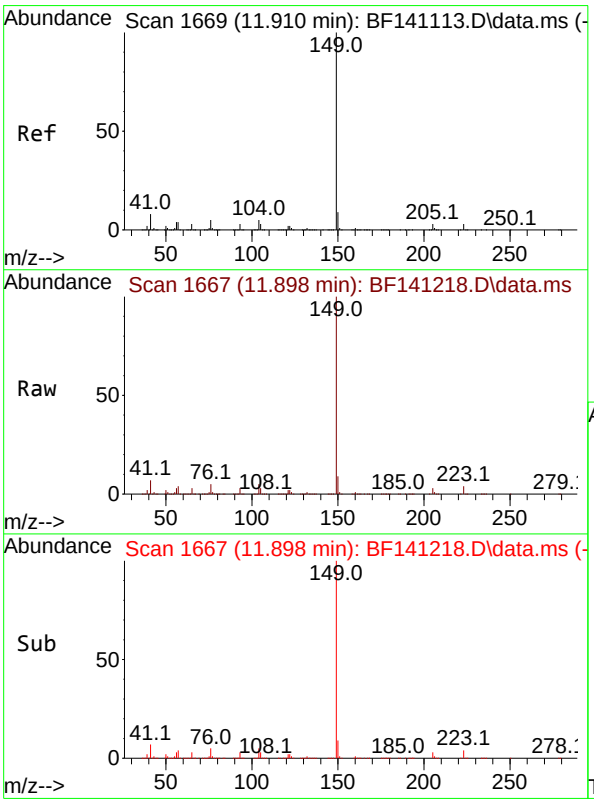
#73
Carbazole
Concen: 51.285 ng
RT: 11.563 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :
BNA_F
ClientSampleId :
PB166117BS

Tgt Ion:167 Resp: 1464784

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.4	26.2
139	13.7	10.9	16.3

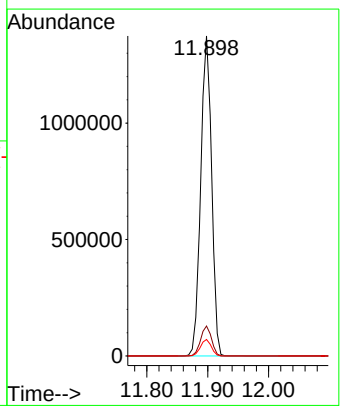


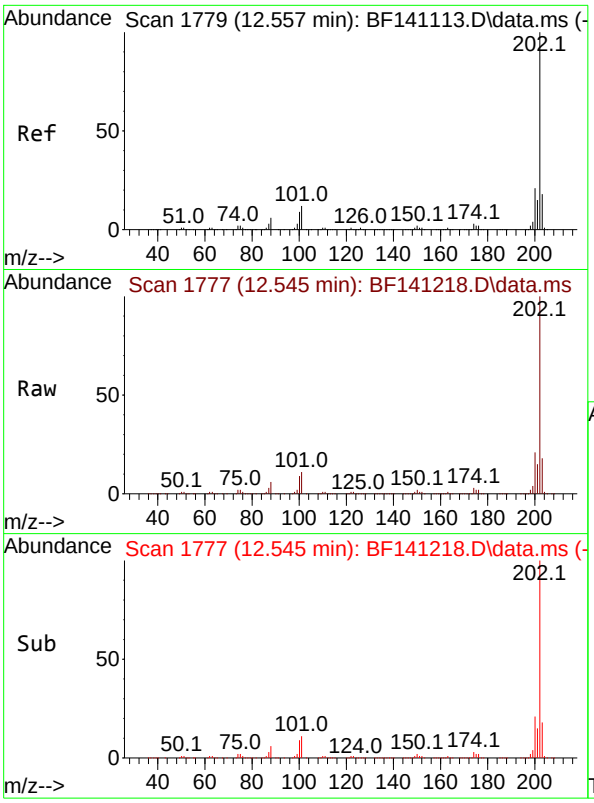


#74
Di-n-butylphthalate
Concen: 52.246 ng
RT: 11.898 min Scan# 1667
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:149 Resp: 1707757

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.4	11.2
104	5.1	4.2	6.2



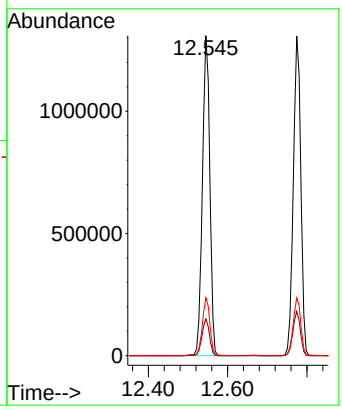


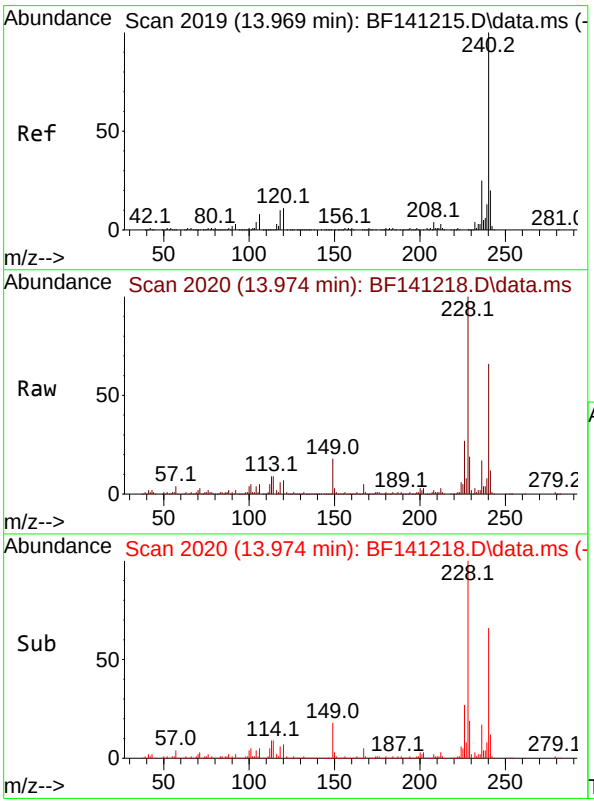
#75
Fluoranthene
Concen: 53.257 ng
RT: 12.545 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :
BNA_F
ClientSampleId :
PB166117BS

Tgt Ion:202 Resp: 1702508

Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	32.3
203	18.1	0.0	37.7

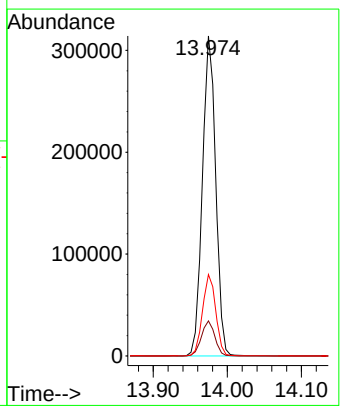


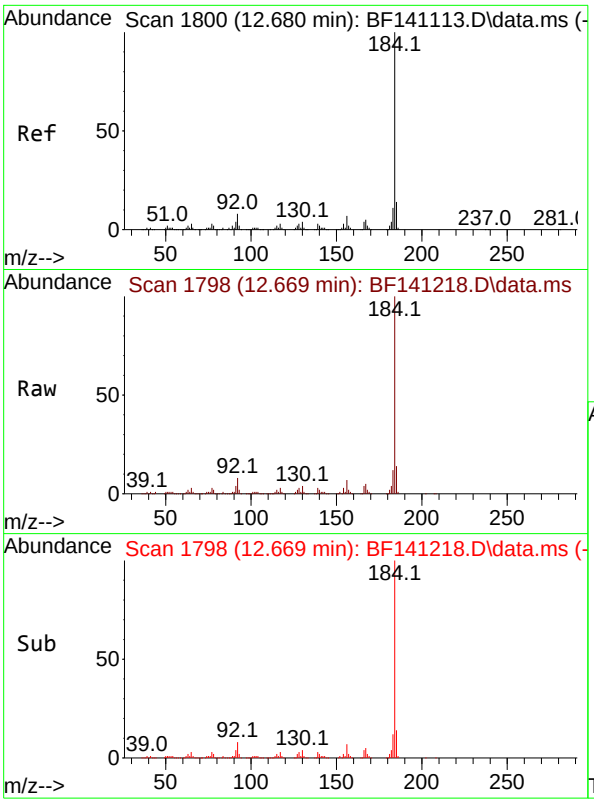


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:240 Resp: 391687

Ion	Ratio	Lower	Upper
240	100		
120	11.0	9.1	13.7
236	25.4	19.8	29.6



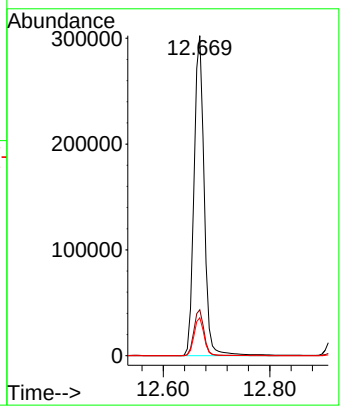


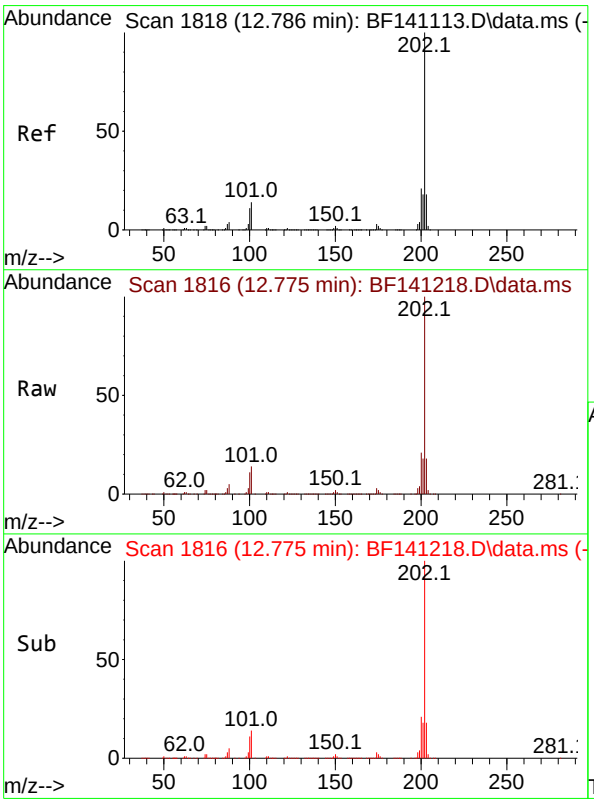
#77
Benzidine
Concen: 55.270 ng
RT: 12.669 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :
BNA_F
ClientSampleId :
PB166117BS

Tgt Ion:184 Resp: 401458

Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.4	17.0
183	11.9	9.2	13.8

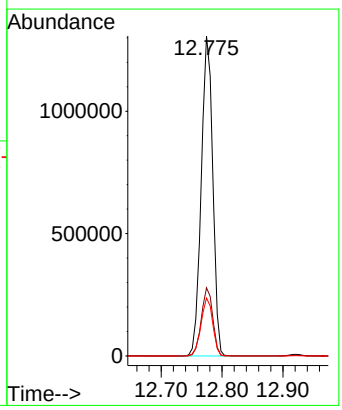


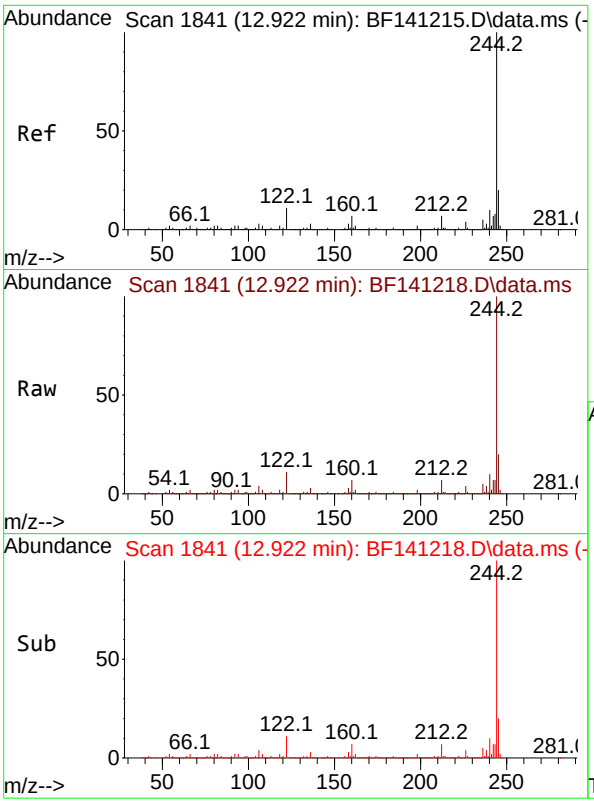


#78
Pyrene
Concen: 46.023 ng
RT: 12.775 min Scan# 1816
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:202 Resp: 1721782

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.8	25.2
203	18.1	14.3	21.5



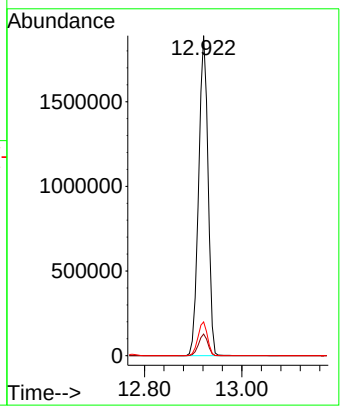


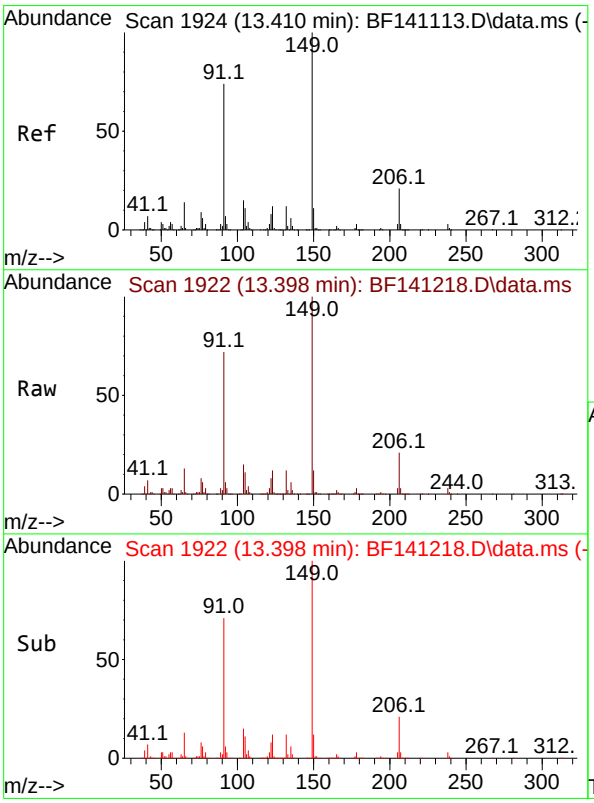
#79
Terphenyl-d14
Concen: 96.504 ng
RT: 12.922 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :
BNA_F
ClientSampleId :
PB166117BS

Tgt Ion:244 Resp: 2543164

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.2
122	10.5	8.8	13.2

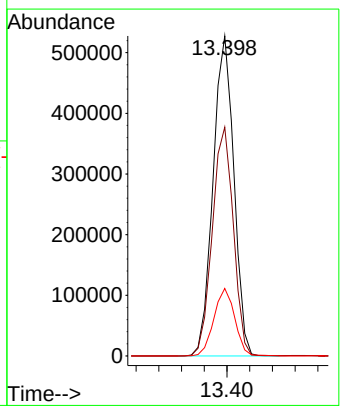


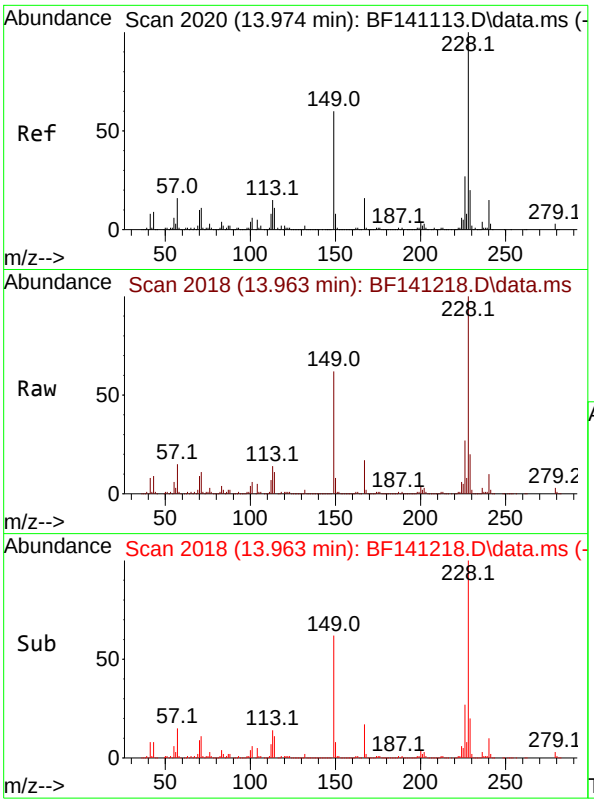


#80
Butylbenzylphthalate
Concen: 53.845 ng
RT: 13.398 min Scan# 1922
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:149 Resp: 671618

Ion	Ratio	Lower	Upper
149	100		
91	71.5	59.0	88.6
206	21.1	16.5	24.7



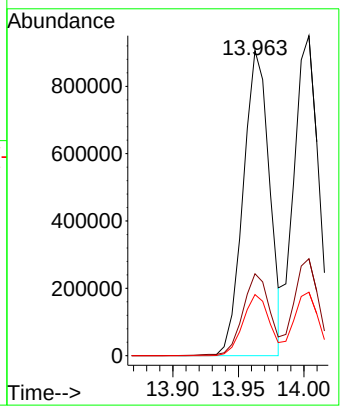


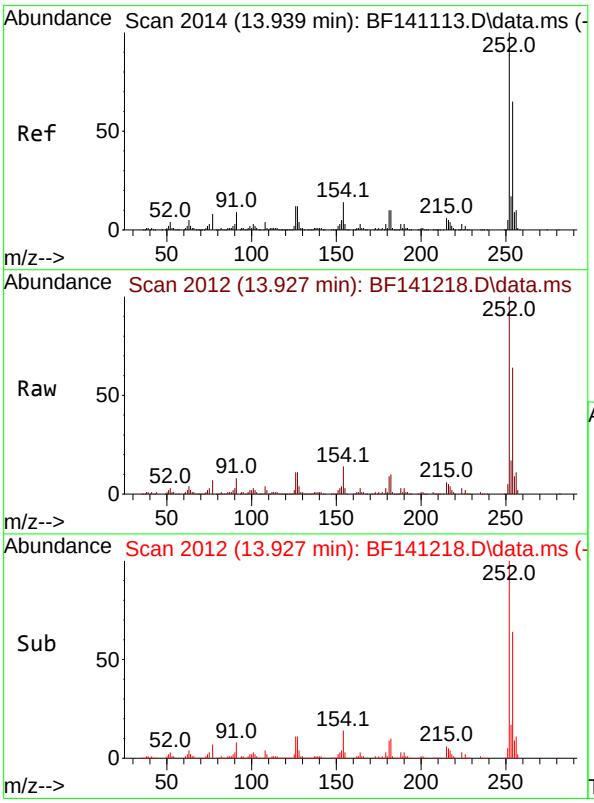
#81
Benzo(a)anthracene
Concen: 47.429 ng
RT: 13.963 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :
BNA_F
ClientSampleId :
PB166117BS

Tgt Ion:228 Resp: 1264293

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.7	32.5
229	20.0	15.7	23.5

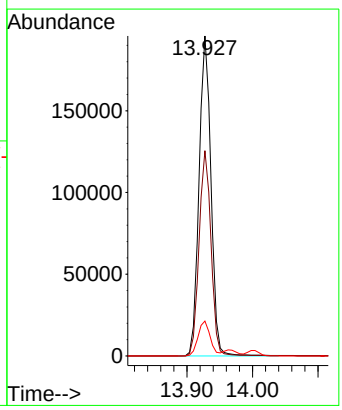


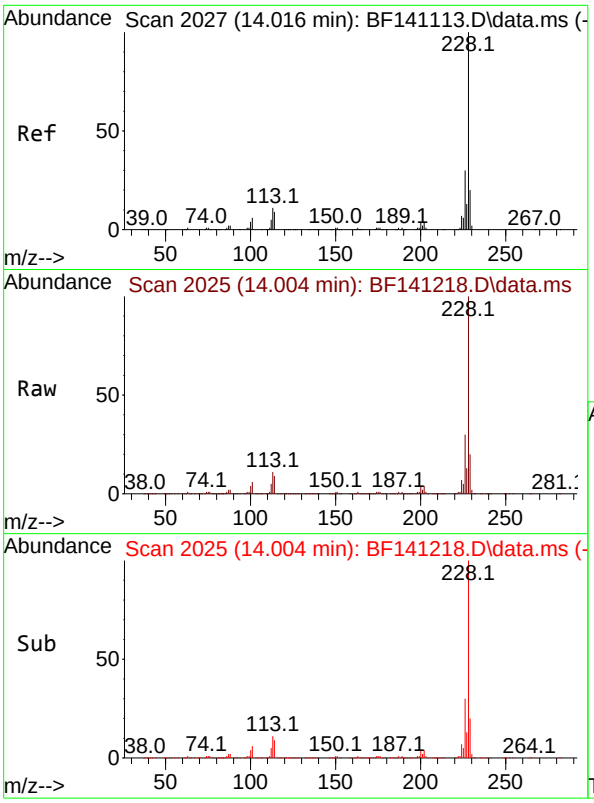


#82
3,3'-Dichlorobenzidine
Concen: 29.246 ng
RT: 13.927 min Scan# 2012
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:252 Resp: 248240

Ion	Ratio	Lower	Upper
252	100		
254	64.2	52.0	78.0
126	10.9	9.4	14.0



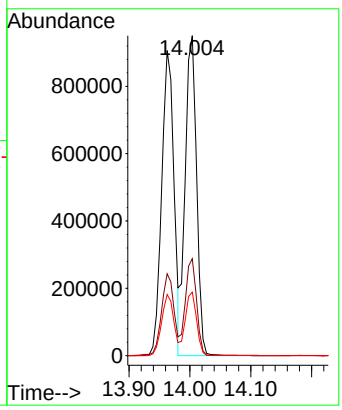


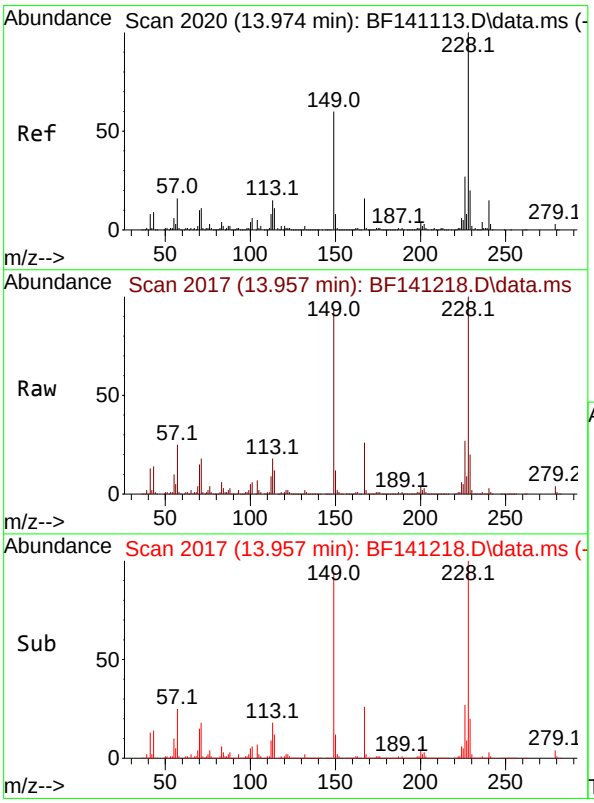
#83
Chrysene
Concen: 49.694 ng
RT: 14.004 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :
BNA_F
ClientSampleId :
PB166117BS

Tgt Ion:228 Resp: 1239477

Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.8	35.8
229	19.9	15.8	23.8

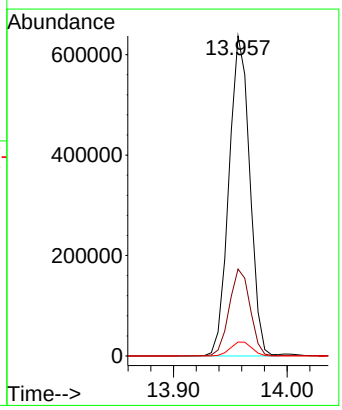


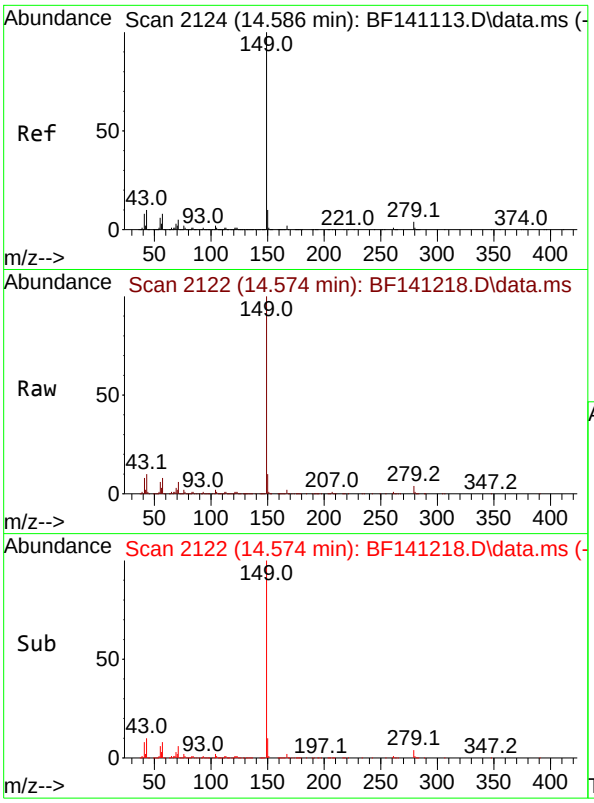


#84
Bis(2-ethylhexyl)phthalate
Concen: 54.200 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.018 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:149 Resp: 811154

Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.4	32.2
279	4.4	3.4	5.2



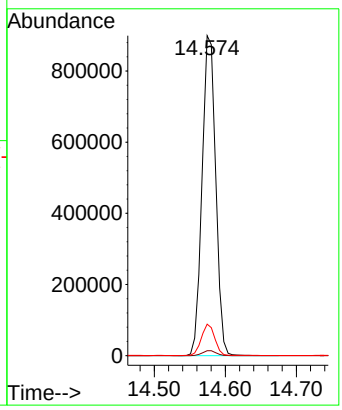


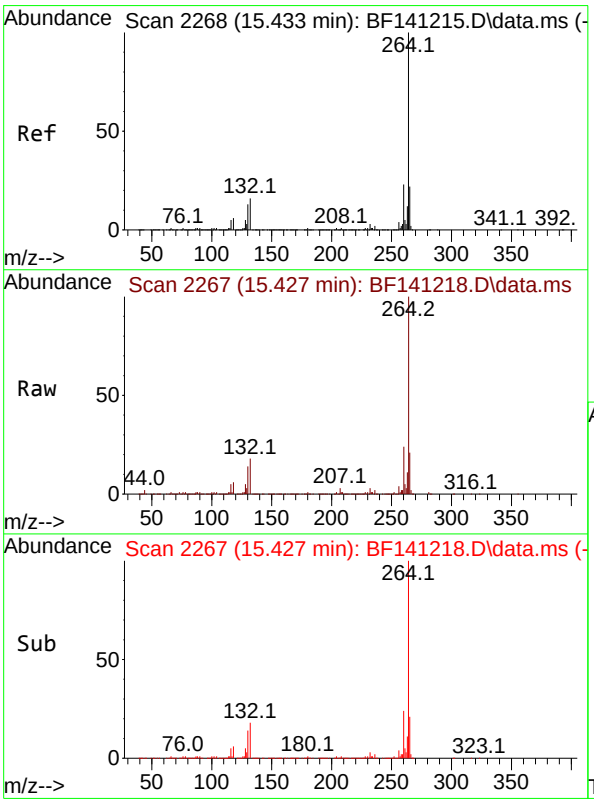
#85
Di-n-octyl phthalate
Concen: 53.319 ng
RT: 14.574 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :
BNA_F
ClientSampleId :
PB166117BS

Tgt Ion:149 Resp: 1205001

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	9.6	8.4	12.6

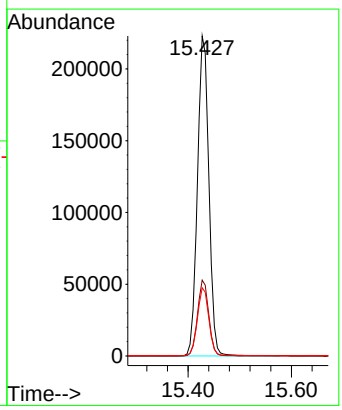


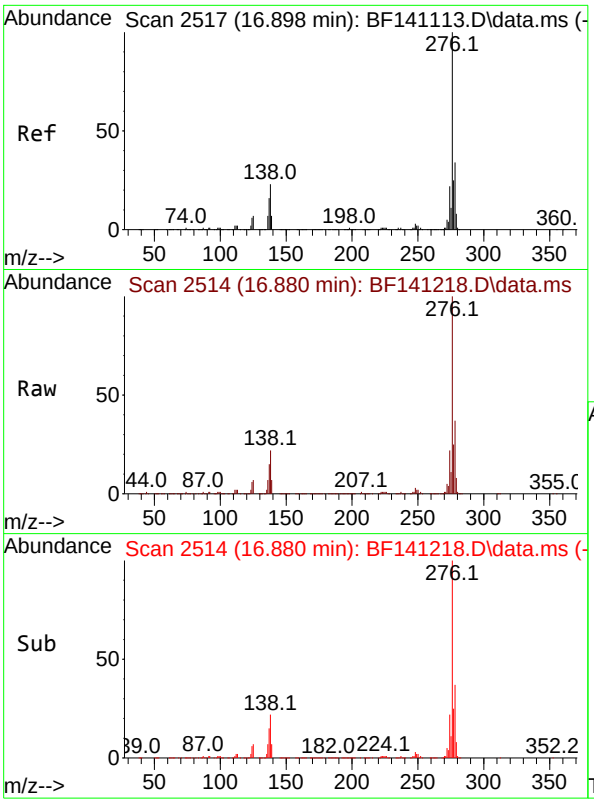


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2267
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:264 Resp: 341954

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.6	28.0
265	21.3	17.4	26.0



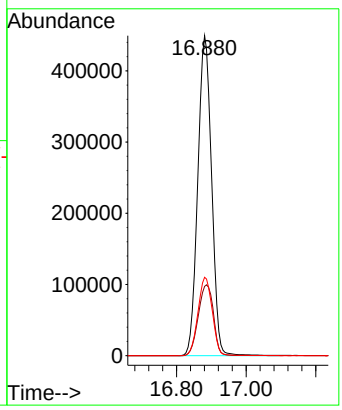


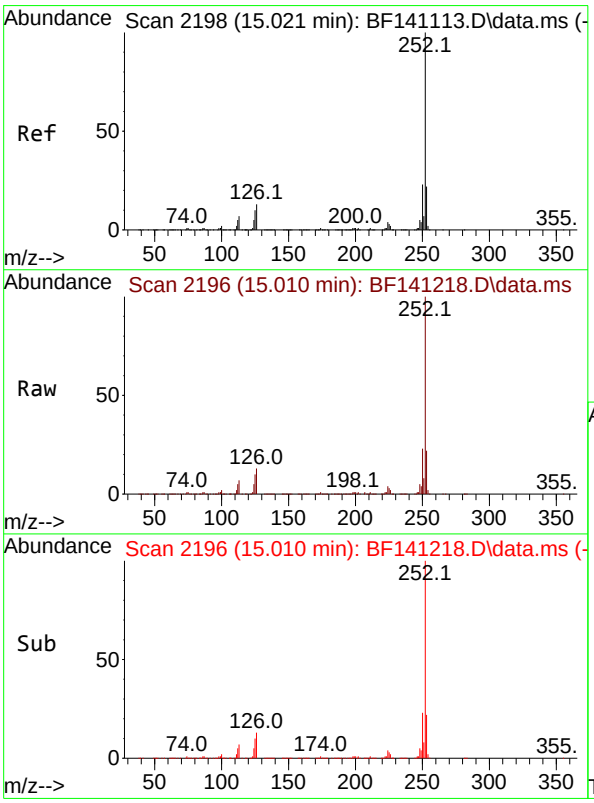
#87
Indeno(1,2,3-cd)pyrene
Concen: 49.416 ng
RT: 16.880 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :
BNA_F
ClientSampleId :
PB166117BS

Tgt Ion:276 Resp: 1238001

Ion	Ratio	Lower	Upper
276	100		
138	24.4	20.7	31.1
277	25.3	20.6	30.8

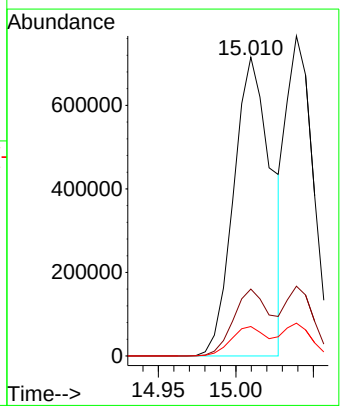


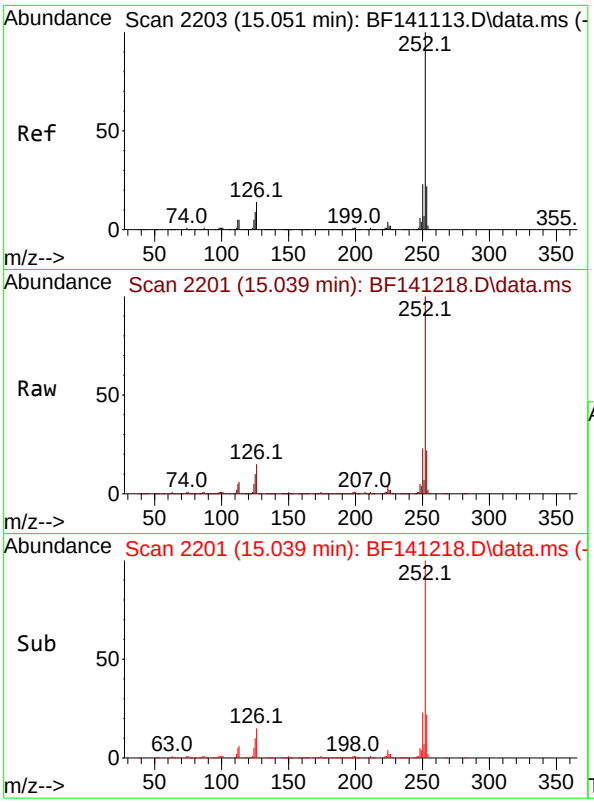


#88
Benzo(b)fluoranthene
Concen: 54.712 ng
RT: 15.010 min Scan# 2196
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:252 Resp: 1206417

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.6
125	9.9	8.1	12.1



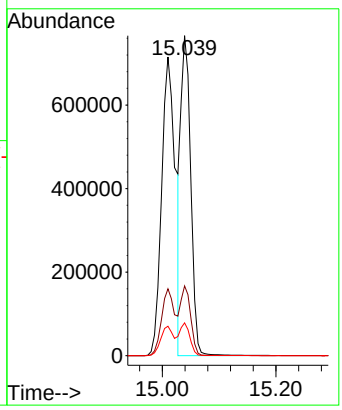


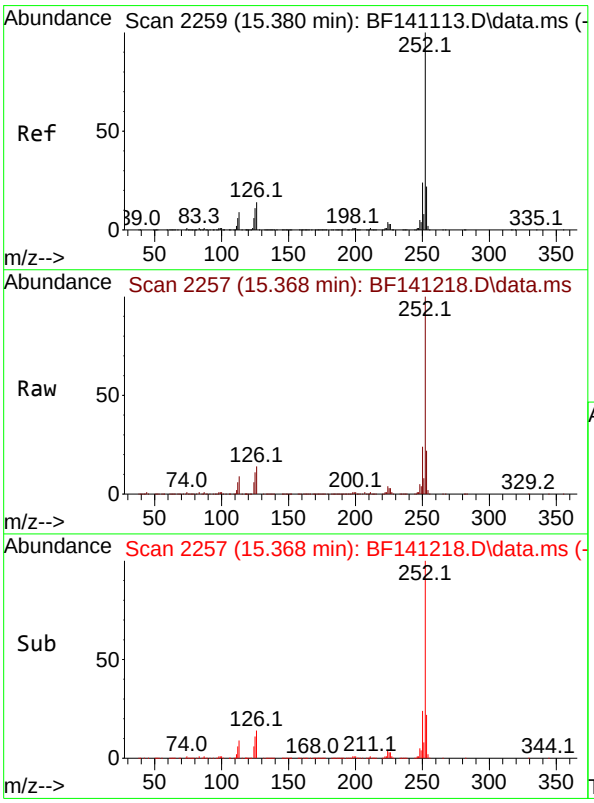
#89
Benzo(k)fluoranthene
Concen: 49.810 ng
RT: 15.039 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :
BNA_F
ClientSampleId :
PB166117BS

Tgt Ion:252 Resp: 928188

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.8
125	10.3	7.9	11.9

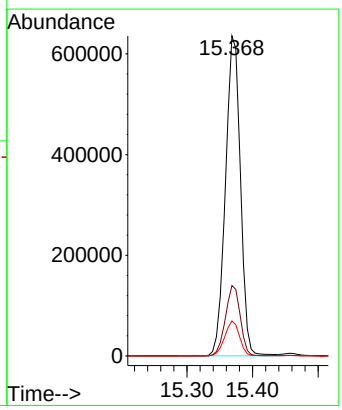


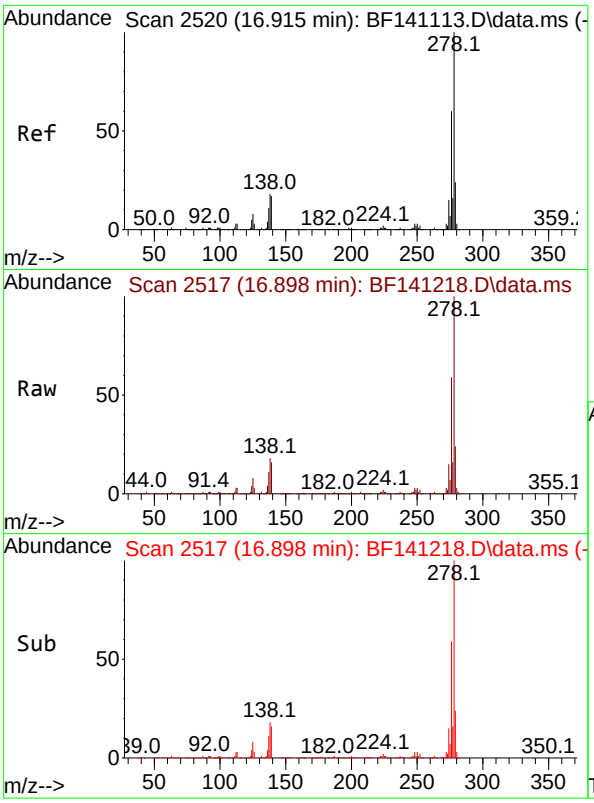


#90
Benzo(a)pyrene
Concen: 55.223 ng
RT: 15.368 min Scan# 2257
Delta R.T. -0.012 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:252 Resp: 1004648

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	11.0	9.1	13.7



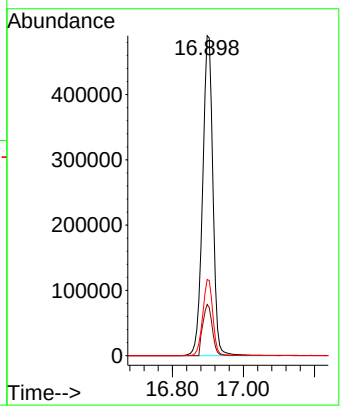


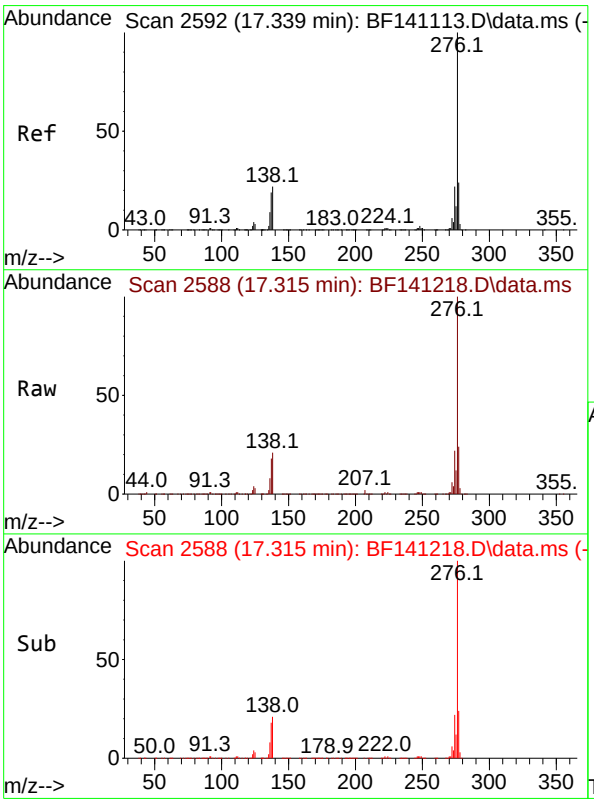
#91
Dibenzo(a,h)anthracene
Concen: 48.830 ng
RT: 16.898 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Instrument :
BNA_F
ClientSampleId :
PB166117BS

Tgt Ion:278 Resp: 989420

Ion	Ratio	Lower	Upper
278	100		
139	16.0	13.8	20.6
279	23.8	19.1	28.7

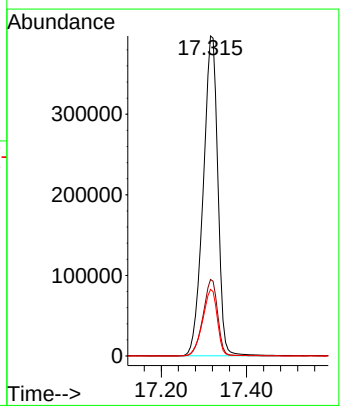




#92
Benzo(g,h,i)perylene
Concen: 44.881 ng
RT: 17.315 min Scan# 2588
Delta R.T. -0.024 min
Lab File: BF141218.D
Acq: 20 Jan 2025 13:15

Tgt Ion:276 Resp: 945921

Ion	Ratio	Lower	Upper
276	100		
277	23.9	19.0	28.4
138	20.8	17.4	26.2



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141219.D
Acq On : 20 Jan 2025 13:41
Operator : RC/JU
Sample : PB166117BSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Quant Time: Jan 20 14:32:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.810	152	161581	20.000	ng		-0.01
21) Naphthalene-d8	8.092	136	633827	20.000	ng		-0.01
39) Acenaphthene-d10	9.845	164	339384	20.000	ng		-0.02
64) Phenanthrene-d10	11.333	188	582564	20.000	ng		-0.01
76) Chrysene-d12	13.974	240	369711	20.000	ng		-0.01
86) Perylene-d12	15.427	264	327689	20.000	ng		-0.01
System Monitoring Compounds							
5) 2-Fluorophenol	5.434	112	1405132	134.338	ng		0.00
7) Phenol-d6	6.445	99	1785636	134.772	ng		0.00
23) Nitrobenzene-d5	7.375	82	1150474	96.217	ng		-0.01
42) 2,4,6-Tribromophenol	10.639	330	617755	159.748	ng		-0.01
45) 2-Fluorobiphenyl	9.169	172	2137782	96.189	ng		-0.01
79) Terphenyl-d14	12.921	244	2470572	99.321	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.628	88	188643	40.500	ng		98
3) Pyridine	3.357	79	474916	41.578	ng		96
4) n-Nitrosodimethylamine	3.310	42	256046	45.846	ng		95
6) Aniline	6.475	93	476816	40.534	ng	#	90
8) 2-Chlorophenol	6.598	128	573442	51.100	ng		97
9) Benzaldehyde	6.357	77	64159	8.222	ng		98
10) Phenol	6.457	94	677100	47.740	ng		90
11) bis(2-Chloroethyl)ether	6.551	93	509111	48.167	ng		97
12) 1,3-Dichlorobenzene	6.751	146	579660	46.314	ng		99
13) 1,4-Dichlorobenzene	6.828	146	595351	47.204	ng		100
14) 1,2-Dichlorobenzene	6.981	146	565440	48.062	ng		98
15) Benzyl Alcohol	6.957	79	491022	51.317	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.086	45	689172	46.725	ng		94
17) 2-Methylphenol	7.069	107	457615	50.510	ng		97
18) Hexachloroethane	7.322	117	218197	47.840	ng		98
19) n-Nitroso-di-n-propyla...	7.228	70	377769	48.403	ng		97
20) 3+4-Methylphenols	7.222	107	545954	47.765	ng	#	80
22) Acetophenone	7.222	105	727372	48.274	ng	#	95
24) Nitrobenzene	7.392	77	574678	46.115	ng		100
25) Isophorone	7.634	82	1030128	50.412	ng		99
26) 2-Nitrophenol	7.710	139	302338	53.335	ng		99
27) 2,4-Dimethylphenol	7.745	122	453311	59.285	ng		98
28) bis(2-Chloroethoxy)met...	7.845	93	627357	48.920	ng		100
29) 2,4-Dichlorophenol	7.951	162	462125	50.888	ng		100
30) 1,2,4-Trichlorobenzene	8.033	180	492811	47.476	ng		100
31) Naphthalene	8.116	128	1609272	48.145	ng		100
32) Benzoic acid	7.869	122	375125	51.143	ng		96
33) 4-Chloroaniline	8.163	127	193999	16.782	ng		99
34) Hexachlorobutadiene	8.233	225	303323	48.496	ng		99
35) Caprolactam	8.533	113	95506	32.123	ng		95
36) 4-Chloro-3-methylphenol	8.645	107	505923	50.940	ng		99
37) 2-Methylnaphthalene	8.804	142	1057471	49.647	ng		99
38) 1-Methylnaphthalene	8.904	142	980871	46.727	ng		100
40) 1,2,4,5-Tetrachloroben...	8.969	216	488519	50.151	ng		99
41) Hexachlorocyclopentadiene	8.957	237	602613	189.090	ng		99
43) 2,4,6-Trichlorophenol	9.080	196	345034	52.519	ng		98

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141219.D
Acq On : 20 Jan 2025 13:41
Operator : RC/JU
Sample : PB166117BSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Quant Time: Jan 20 14:32:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

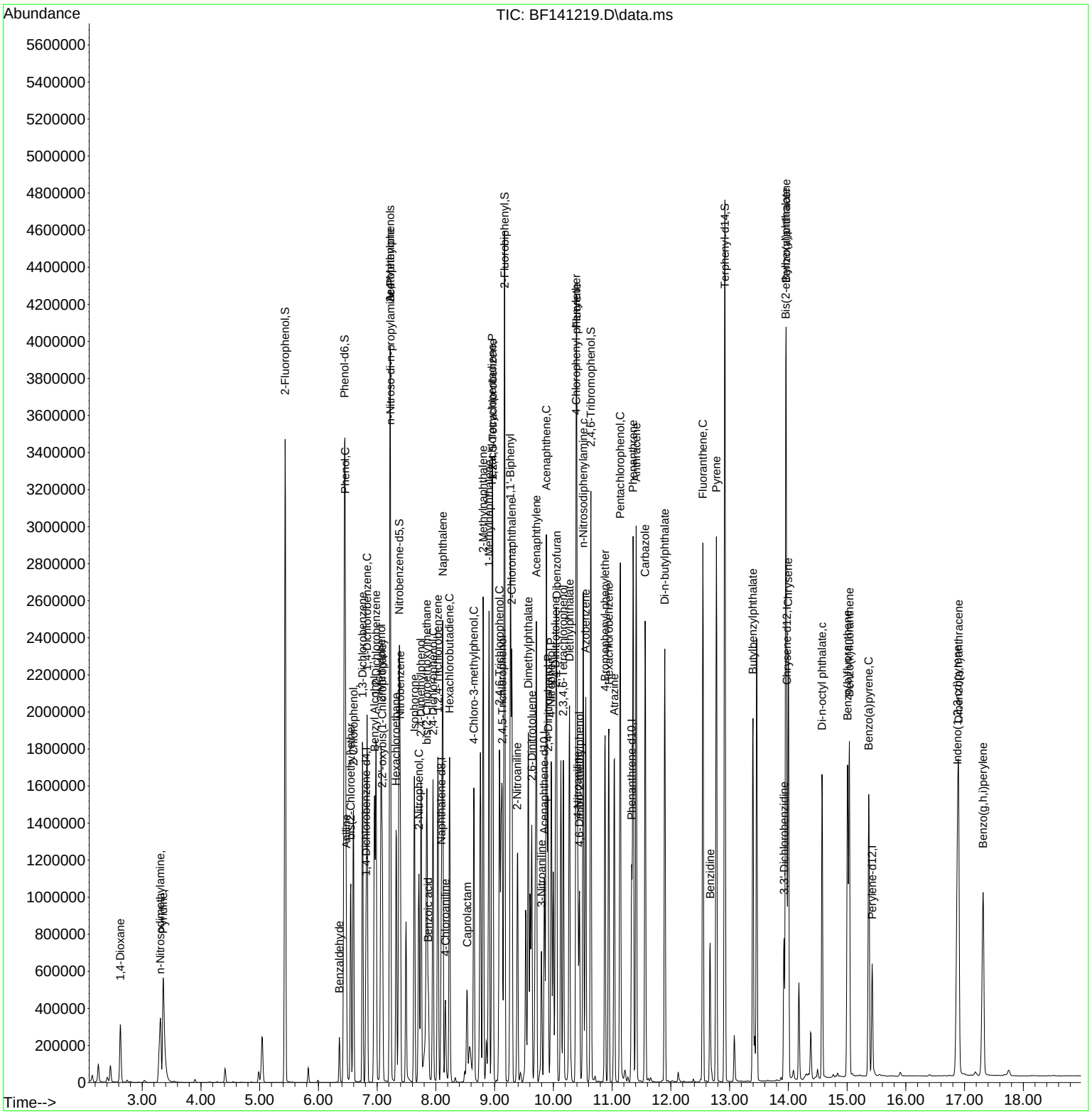
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.128	196	349371	50.353	ng	98
46) 1,1'-Biphenyl	9.269	154	1289480	48.924	ng	99
47) 2-Chloronaphthalene	9.292	162	977375	47.611	ng	100
48) 2-Nitroaniline	9.386	65	301187	49.494	ng	99
49) Acenaphthylene	9.710	152	1529336	52.144	ng	100
50) Dimethylphthalate	9.575	163	1147172	50.349	ng	100
51) 2,6-Dinitrotoluene	9.633	165	258267	48.745	ng	98
52) Acenaphthene	9.880	154	1146231	55.939	ng	100
53) 3-Nitroaniline	9.798	138	158420	29.423	ng	98
54) 2,4-Dinitrophenol	9.910	184	312413	124.051	ng	95
55) Dibenzofuran	10.057	168	1383773	49.648	ng	100
56) 4-Nitrophenol	9.963	139	428885	101.709	ng	95
57) 2,4-Dinitrotoluene	10.039	165	352735	51.659	ng	97
58) Fluorene	10.398	166	1068273	49.335	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.169	232	308042	53.412	ng	98
60) Diethylphthalate	10.275	149	1107152	49.775	ng	99
61) 4-Chlorophenyl-phenyle...	10.386	204	521088	49.376	ng	97
62) 4-Nitroaniline	10.416	138	269551	51.150	ng	98
63) Azobenzene	10.551	77	1071575	48.824	ng	99
65) 4,6-Dinitro-2-methylph...	10.445	198	205269	60.806	ng	97
66) n-Nitrosodiphenylamine	10.510	169	944135	50.246	ng	99
67) 4-Bromophenyl-phenylether	10.880	248	343255	51.178	ng	99
68) Hexachlorobenzene	10.945	284	384926	51.556	ng	97
69) Atrazine	11.039	200	323244	63.889	ng	99
70) Pentachlorophenol	11.139	266	484924	101.419	ng	99
71) Phenanthrene	11.357	178	1613241	51.581	ng	100
72) Anthracene	11.410	178	1644084	54.062	ng	100
73) Carbazole	11.563	167	1441828	51.706	ng	100
74) Di-n-butylphthalate	11.898	149	1644597	51.535	ng	100
75) Fluoranthene	12.545	202	1664799	53.341	ng	99
77) Benzidine	12.668	184	413432	60.302	ng	100
78) Pyrene	12.774	202	1696152	48.033	ng	100
80) Butylbenzylphthalate	13.398	149	645425	54.821	ng	97
81) Benzo(a)anthracene	13.963	228	1226022	48.727	ng	99
82) 3,3'-Dichlorobenzidine	13.927	252	234111	29.221	ng	98
83) Chrysene	13.998	228	1173460	49.843	ng	99
84) Bis(2-ethylhexyl)phtha...	13.957	149	778945	55.141	ng	100
85) Di-n-octyl phthalate	14.574	149	1114477	52.245	ng	97
87) Indeno(1,2,3-cd)pyrene	16.880	276	1231486	51.296	ng	98
88) Benzo(b)fluoranthene	15.009	252	1031329	48.808	ng	100
89) Benzo(k)fluoranthene	15.039	252	1000935	56.053	ng	99
90) Benzo(a)pyrene	15.368	252	968156	55.533	ng	100
91) Dibenzo(a,h)anthracene	16.898	278	987145	50.838	ng	98
92) Benzo(g,h,i)perylene	17.315	276	925984	45.848	ng	99

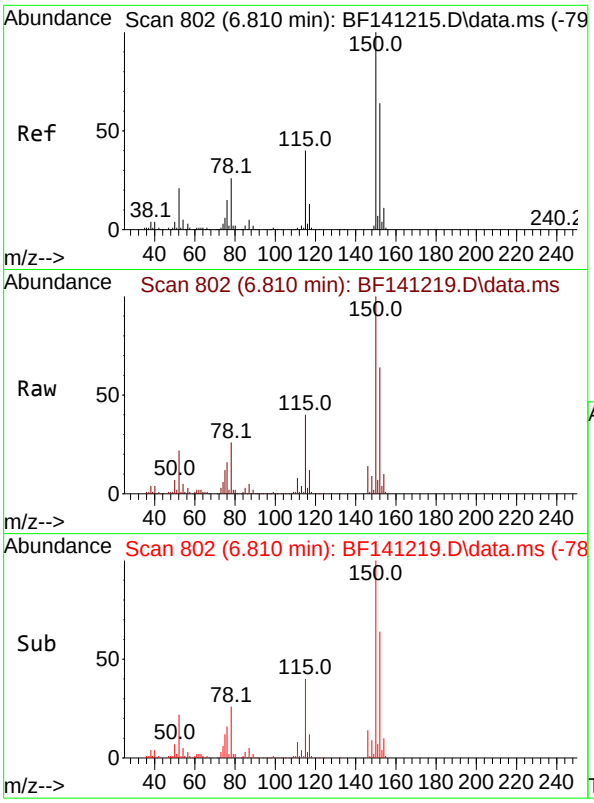
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141219.D
Acq On : 20 Jan 2025 13:41
Operator : RC/JU
Sample : PB166117BSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
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PB166117BSD

Quant Time: Jan 20 14:32:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
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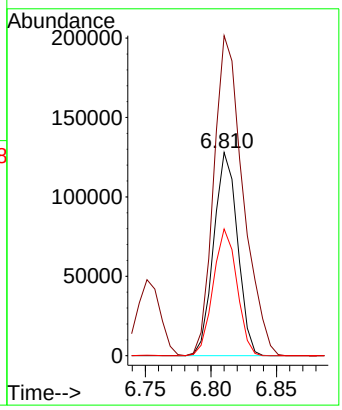


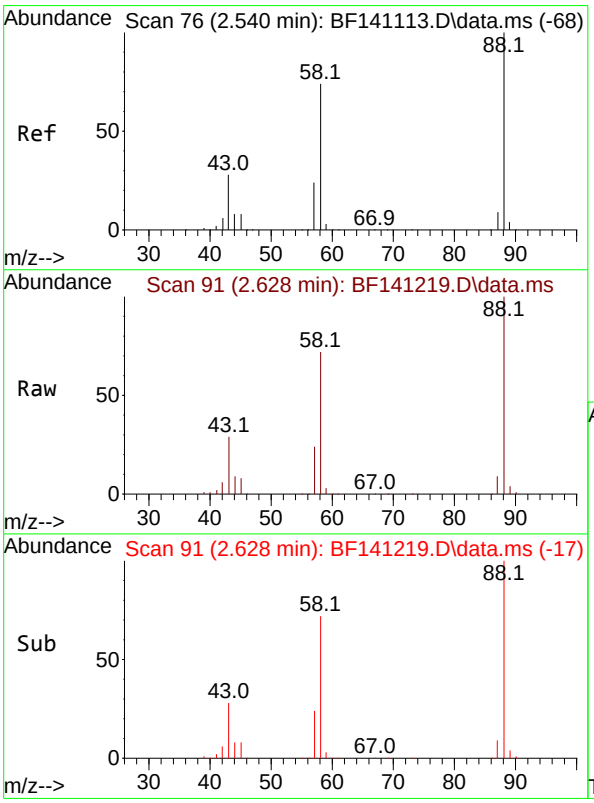
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.810 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Tgt Ion:152 Resp: 161581

Ion	Ratio	Lower	Upper
152	100		
150	157.4	125.8	188.8
115	62.4	51.4	77.2

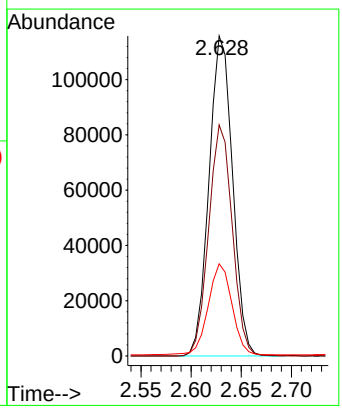


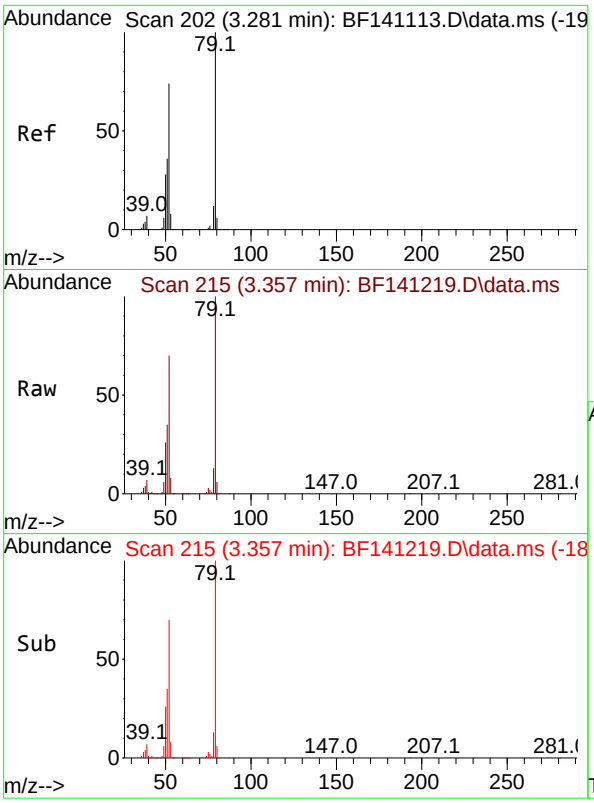


#2
1,4-Dioxane
Concen: 40.500 ng
RT: 2.628 min Scan# 91
Delta R.T. 0.088 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion: 88 Resp: 188643

Ion	Ratio	Lower	Upper
88	100		
58	72.5	60.1	90.1
43	28.9	23.1	34.7



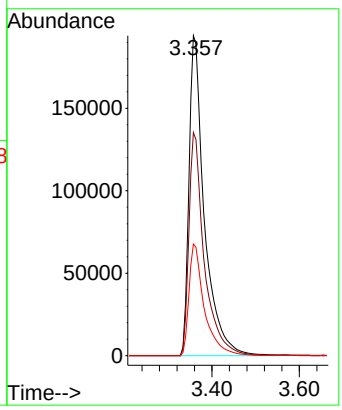


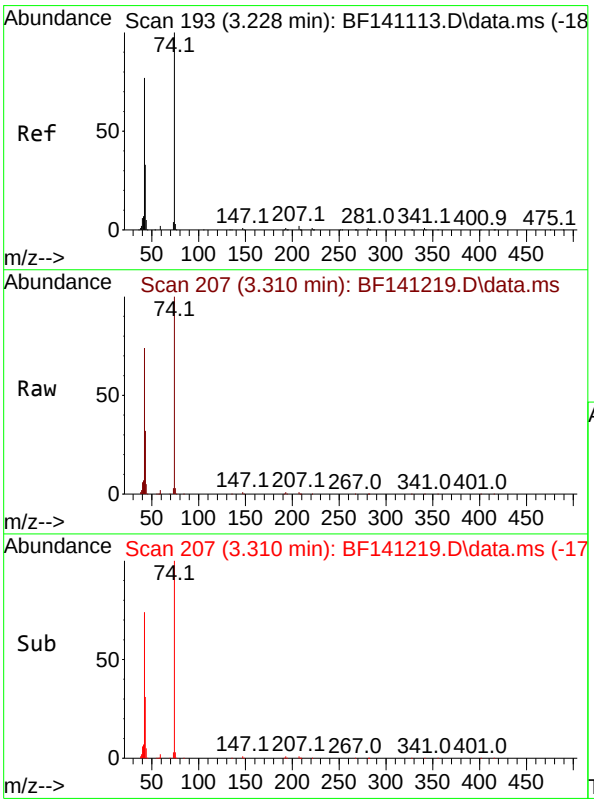
#3
Pyridine
Concen: 41.578 ng
RT: 3.357 min Scan# 21
Delta R.T. 0.076 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Tgt Ion: 79 Resp: 474916

Ion	Ratio	Lower	Upper
79	100		
52	69.8	58.9	88.3
51	34.9	29.1	43.7

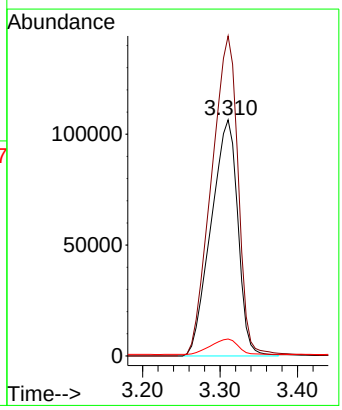


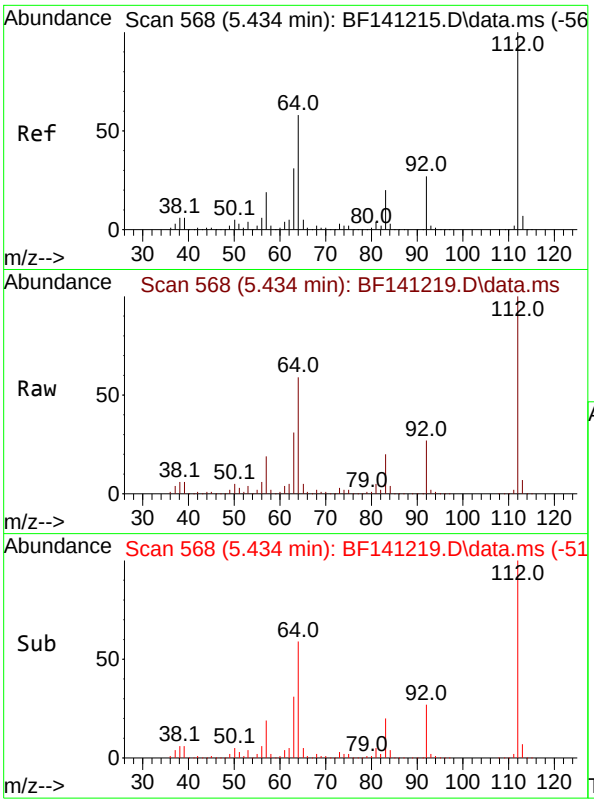


#4
n-Nitrosodimethylamine
Concen: 45.846 ng
RT: 3.310 min Scan# 207
Delta R.T. 0.082 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion: 42 Resp: 256046

Ion	Ratio	Lower	Upper
42	100		
74	135.5	103.8	155.6
44	7.2	5.3	7.9



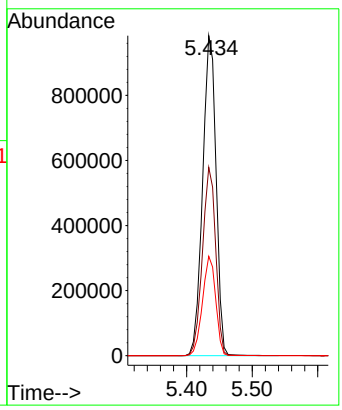


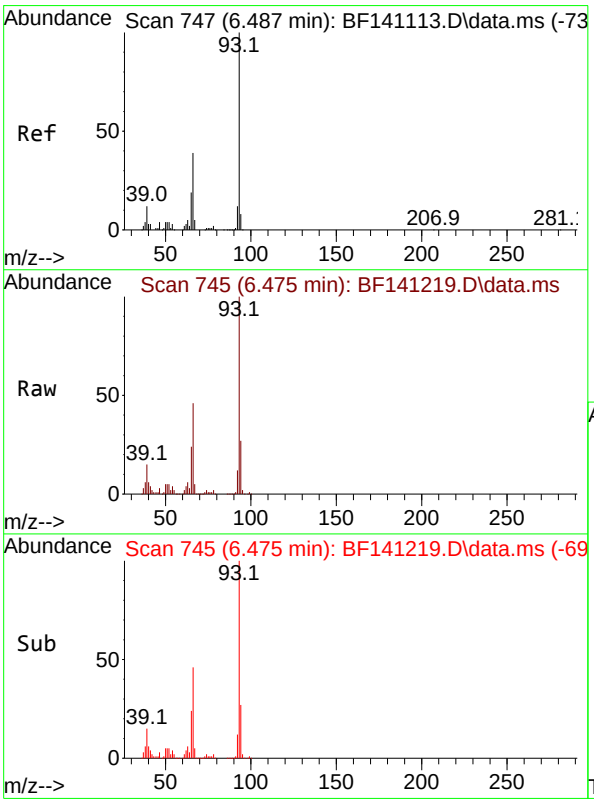
#5
2-Fluorophenol
Concen: 134.338 ng
RT: 5.434 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Tgt Ion:112 Resp: 1405132

Ion	Ratio	Lower	Upper
112	100		
64	58.9	47.3	70.9
63	31.1	24.2	36.2

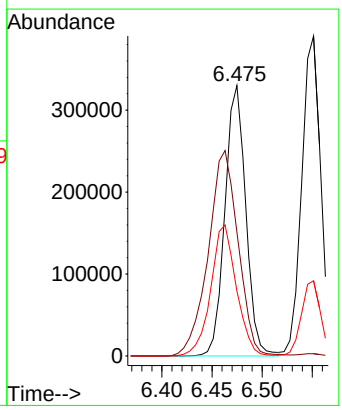


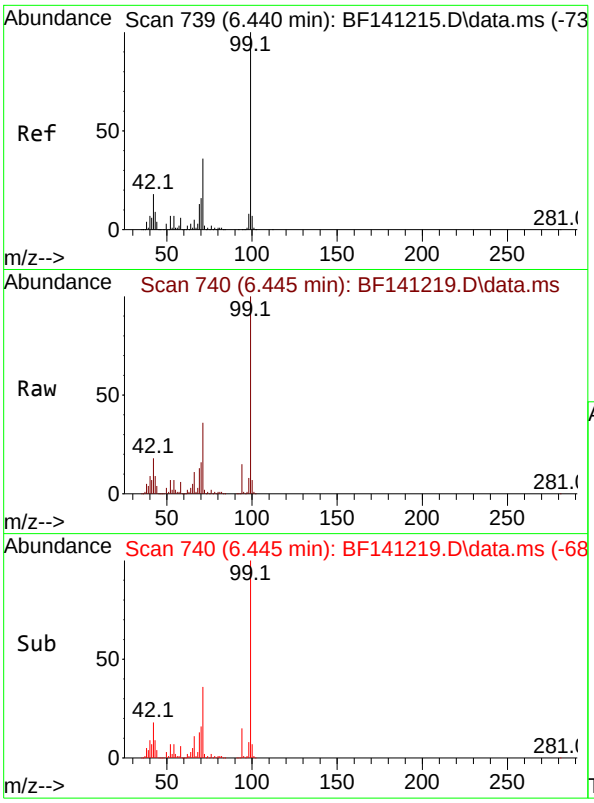


#6
Aniline
Concen: 40.534 ng
RT: 6.475 min Scan# 745
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion: 93 Resp: 476816

Ion	Ratio	Lower	Upper
93	100		
66	45.7	31.5	47.3
65	24.0	15.3	22.9#



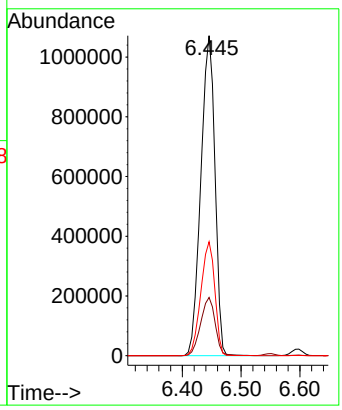


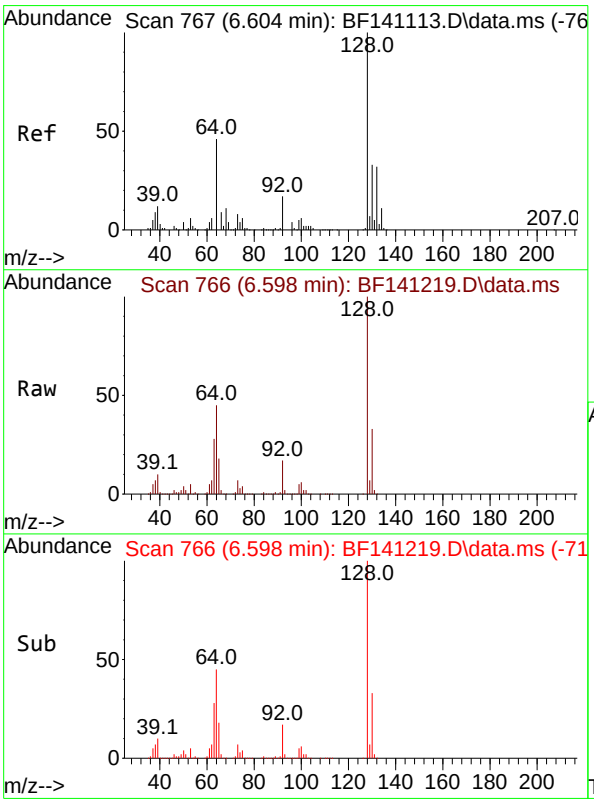
#7
Phenol-d6
Concen: 134.772 ng
RT: 6.445 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Tgt Ion: 99 Resp: 1785636

Ion	Ratio	Lower	Upper
99	100		
42	18.2	15.0	22.4
71	35.6	27.6	41.4

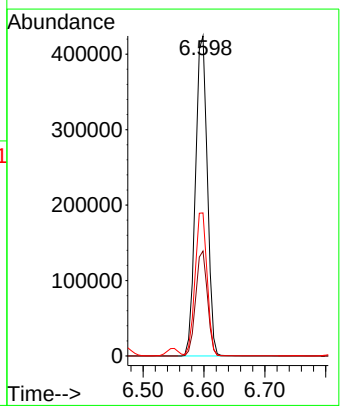


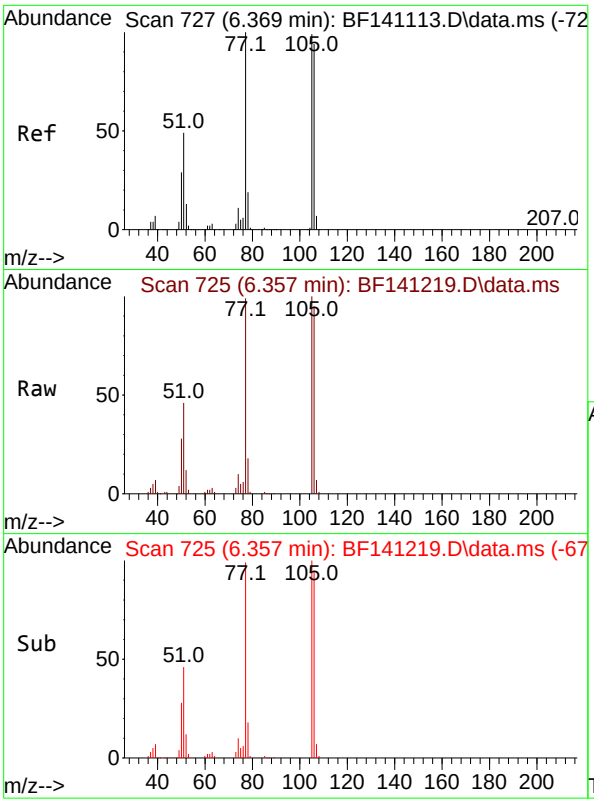


#8
2-Chlorophenol
Concen: 51.100 ng
RT: 6.598 min Scan# 766
Delta R.T. -0.006 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:128 Resp: 573442

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.5	52.5
64	44.7	28.3	68.3



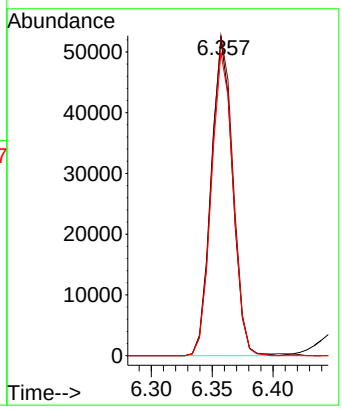


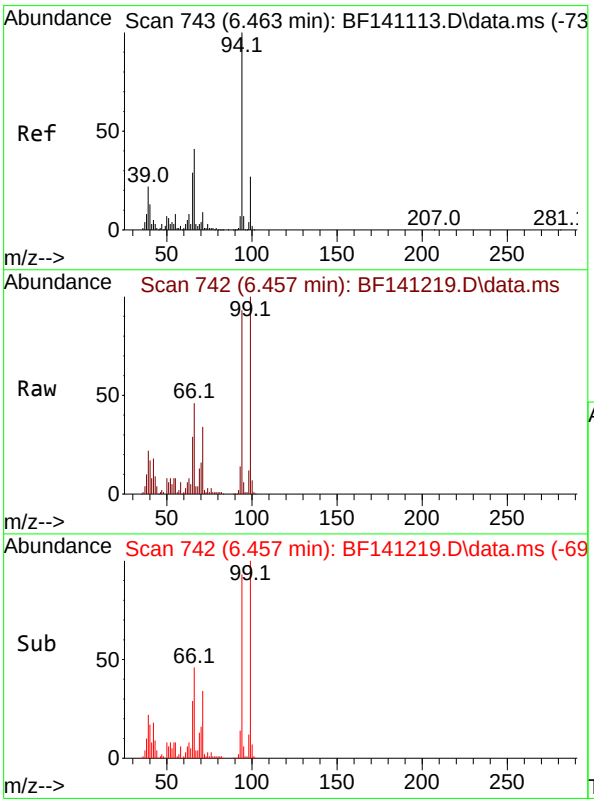
#9
Benzaldehyde
Concen: 8.222 ng
RT: 6.357 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Tgt Ion: 77 Resp: 64159

Ion	Ratio	Lower	Upper
77	100		
105	101.3	78.9	118.9
106	96.0	73.6	113.6

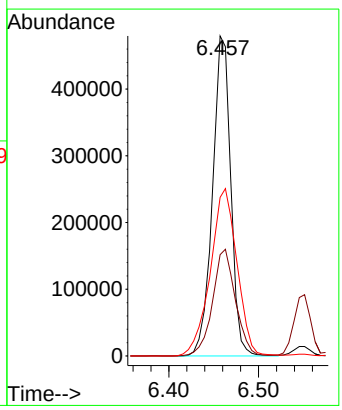


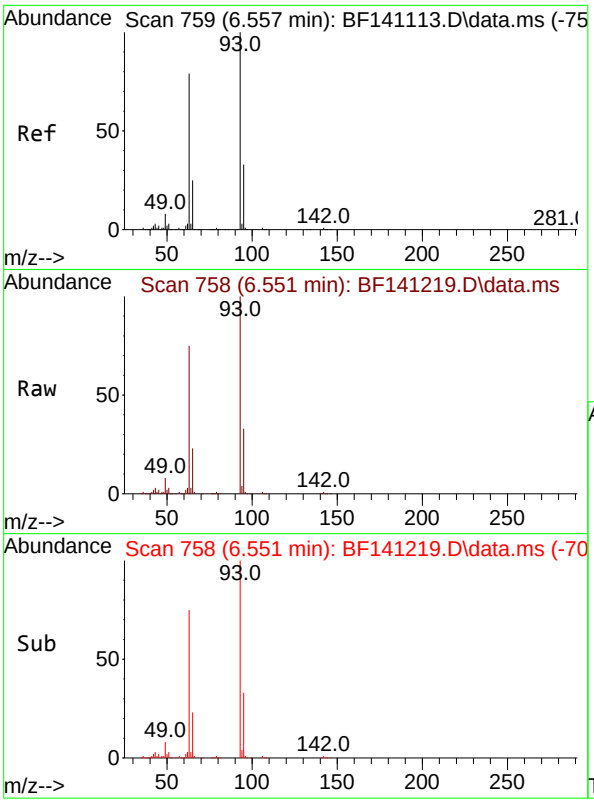


#10
Phenol
Concen: 47.740 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion: 94 Resp: 677100

Ion	Ratio	Lower	Upper
94	100		
65	31.6	8.9	48.9
66	49.6	21.2	61.2



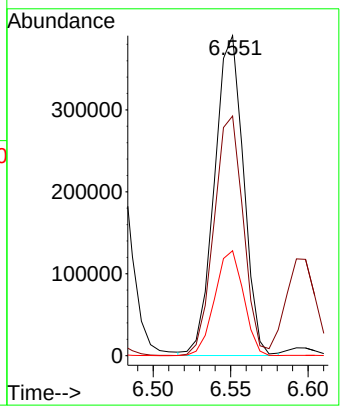


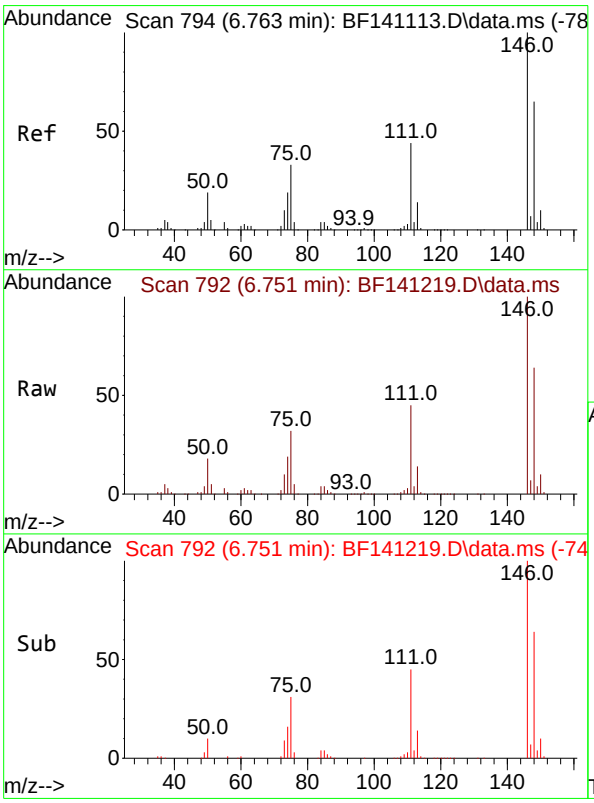
#11
bis(2-Chloroethyl)ether
Concen: 48.167 ng
RT: 6.551 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Tgt Ion: 93 Resp: 509111

Ion	Ratio	Lower	Upper
93	100		
63	74.9	58.0	98.0
95	32.8	12.5	52.5

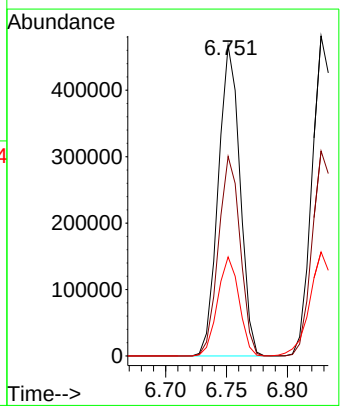


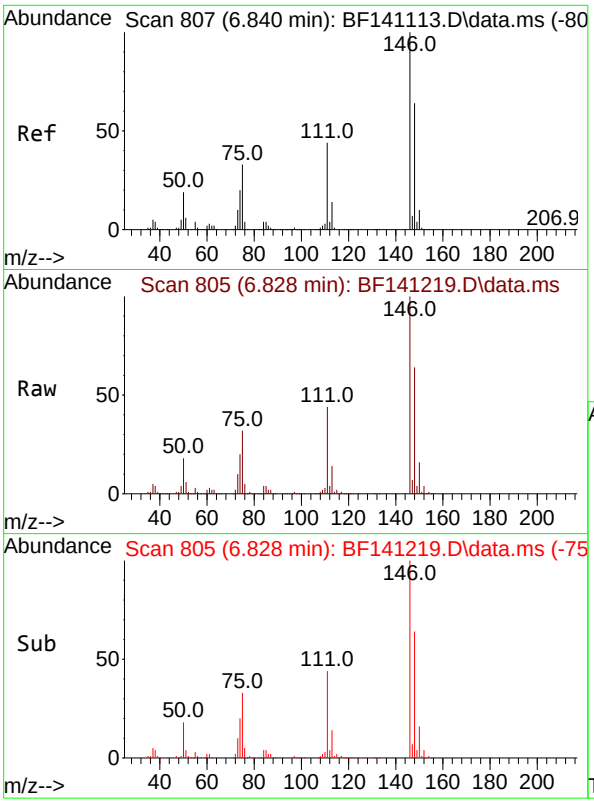


#12
1,3-Dichlorobenzene
Concen: 46.314 ng
RT: 6.751 min Scan# 792
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:146 Resp: 579660

Ion	Ratio	Lower	Upper
146	100		
148	64.3	51.6	77.4
75	31.9	26.2	39.2



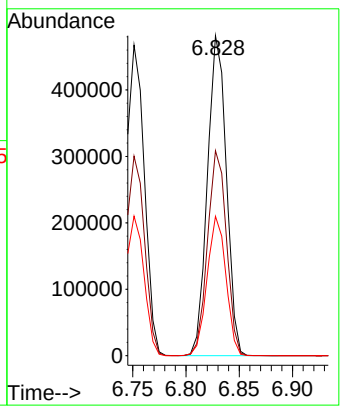


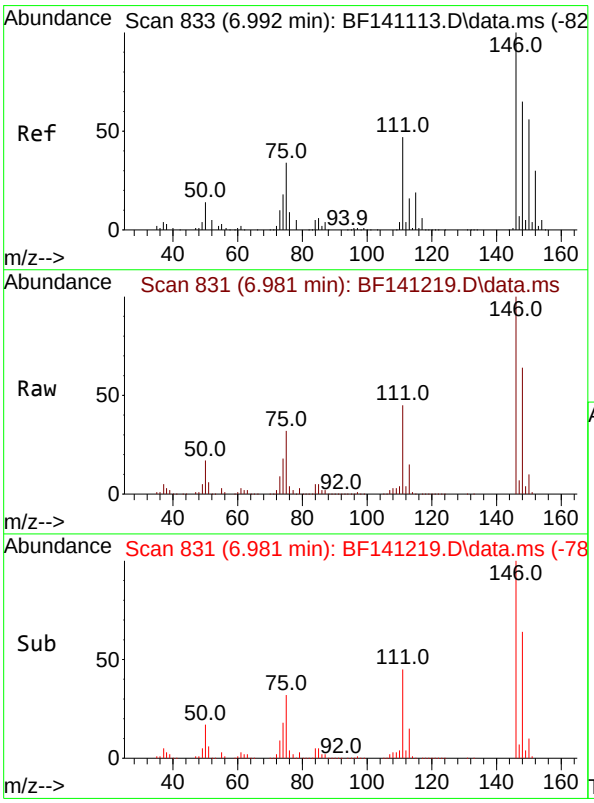
#13
1,4-Dichlorobenzene
Concen: 47.204 ng
RT: 6.828 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Tgt Ion:146 Resp: 595351

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.0	76.6
111	43.5	34.9	52.3

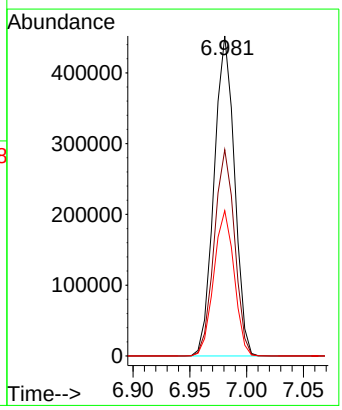


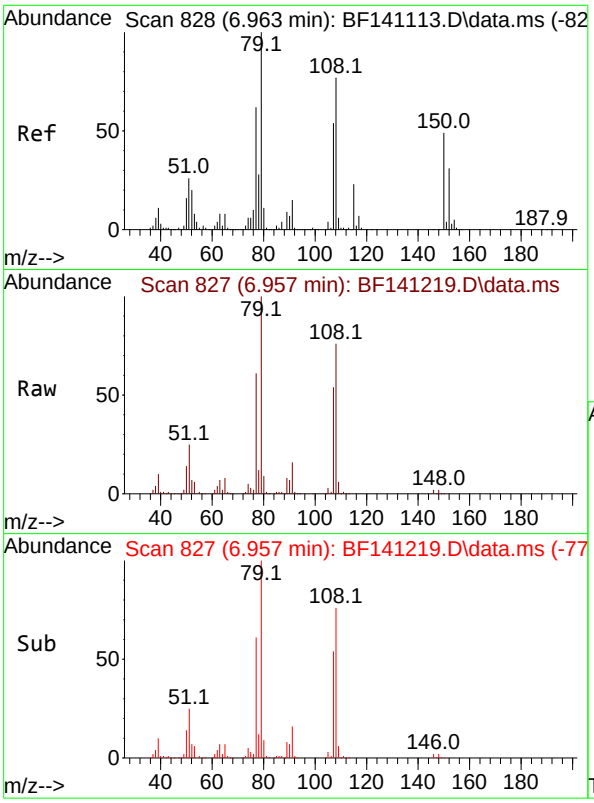


#14
1,2-Dichlorobenzene
Concen: 48.062 ng
RT: 6.981 min Scan# 831
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:146 Resp: 565440

Ion	Ratio	Lower	Upper
146	100		
148	64.5	52.2	78.4
111	45.4	37.5	56.3



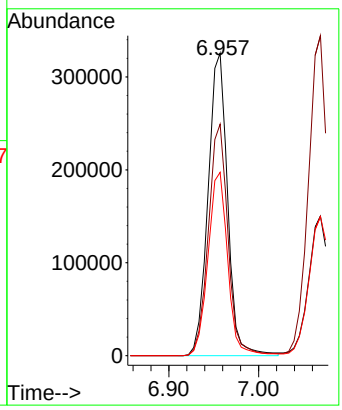


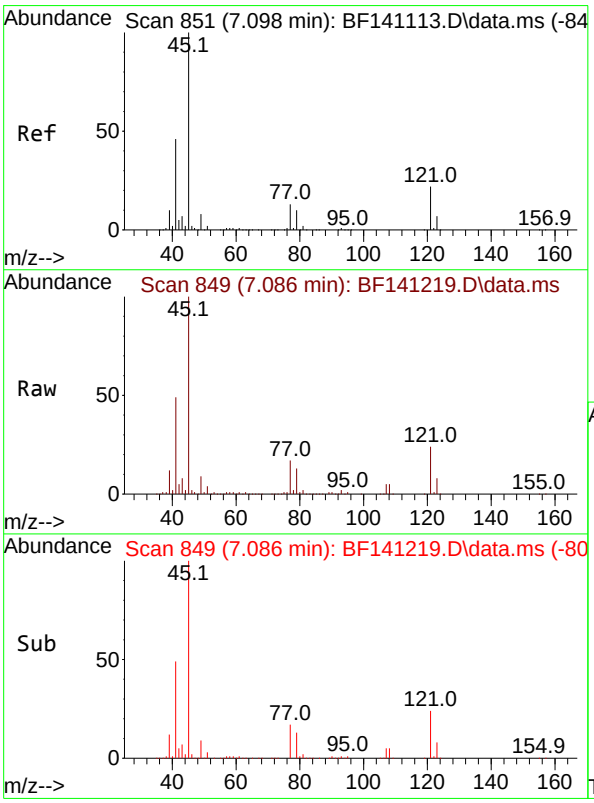
#15
Benzyl Alcohol
Concen: 51.317 ng
RT: 6.957 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Tgt Ion: 79 Resp: 491022

Ion	Ratio	Lower	Upper
79	100		
108	76.5	61.4	92.0
77	60.6	49.8	74.6

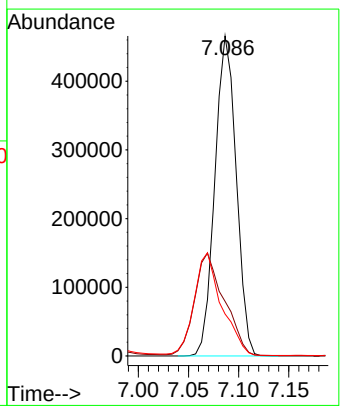


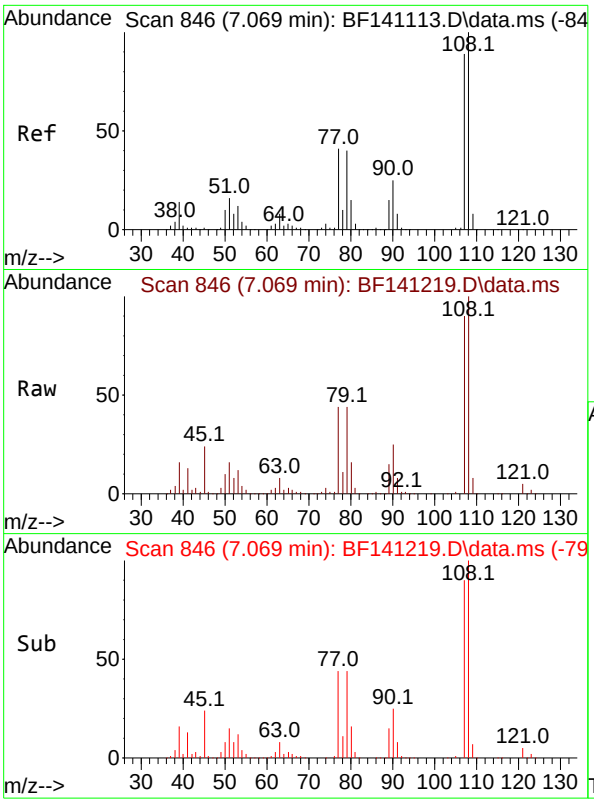


#16
2,2'-oxybis(1-Chloropropane)
Concen: 46.725 ng
RT: 7.086 min Scan# 849
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion: 45 Resp: 689172

Ion	Ratio	Lower	Upper
45	100		
77	17.0	0.0	34.1
79	13.1	0.0	31.0



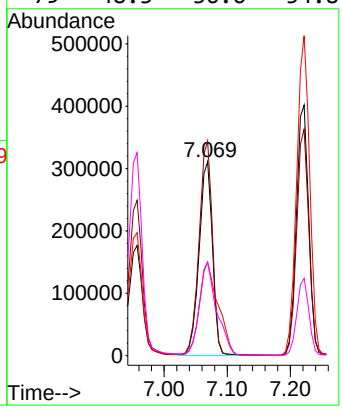


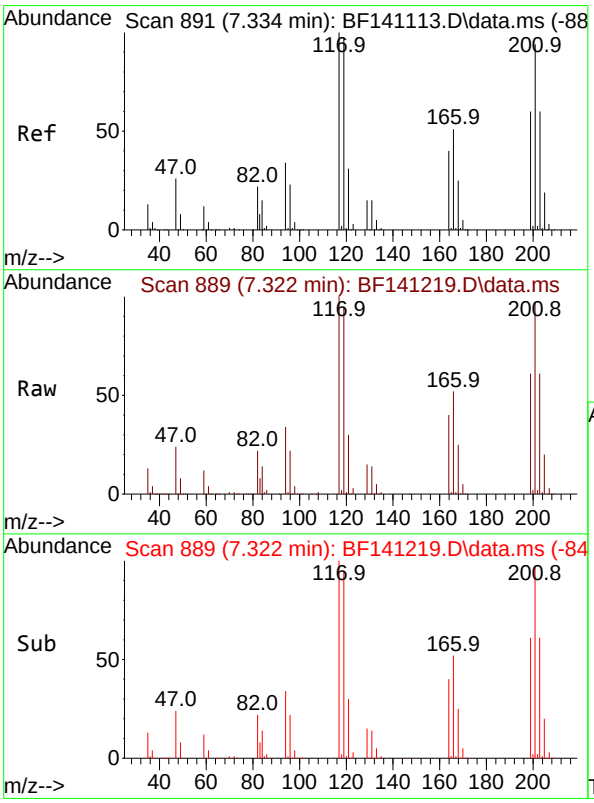
#17
2-Methylphenol
Concen: 50.510 ng
RT: 7.069 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Tgt Ion:107 Resp: 457615

Ion	Ratio	Lower	Upper
107	100		
108	110.7	90.1	135.1
77	48.2	36.6	55.0
79	48.3	36.6	54.8

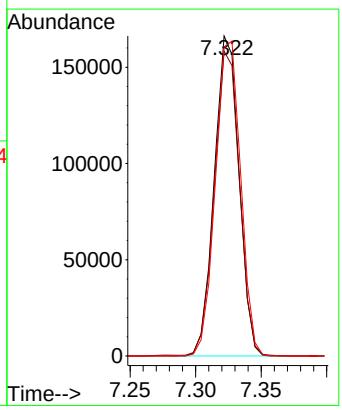


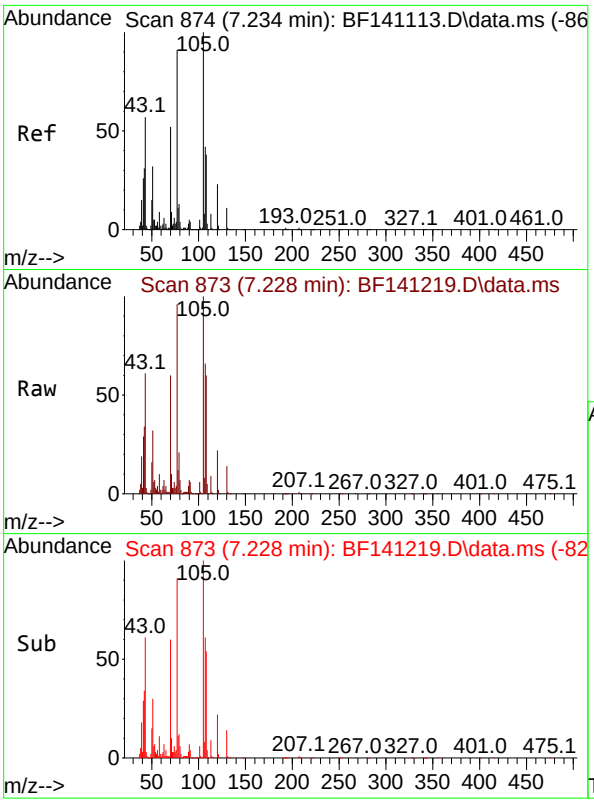


#18
Hexachloroethane
Concen: 47.840 ng
RT: 7.322 min Scan# 889
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:117 Resp: 218197

Ion	Ratio	Lower	Upper
117	100		
119	95.2	77.6	116.4
201	96.5	75.1	112.7



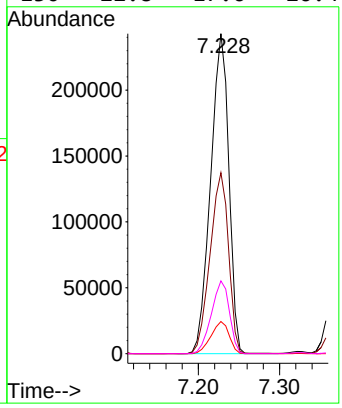


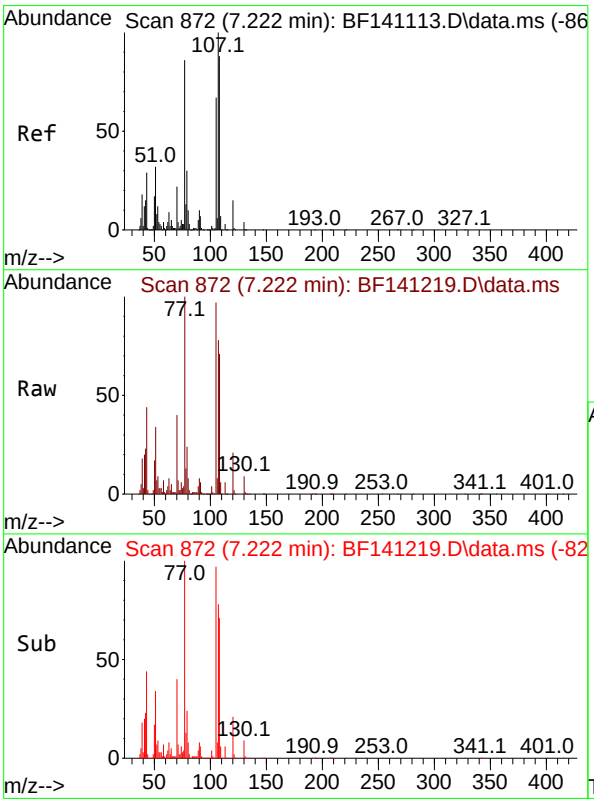
#19
n-Nitroso-di-n-propylamine
Concen: 48.403 ng
RT: 7.228 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Tgt Ion: 70 Resp: 377769

Ion	Ratio	Lower	Upper
70	100		
42	56.6	47.8	71.6
101	10.0	7.9	11.9
130	22.8	17.6	26.4

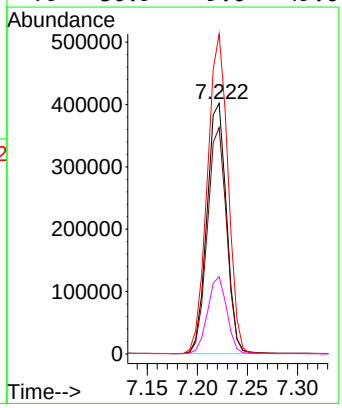


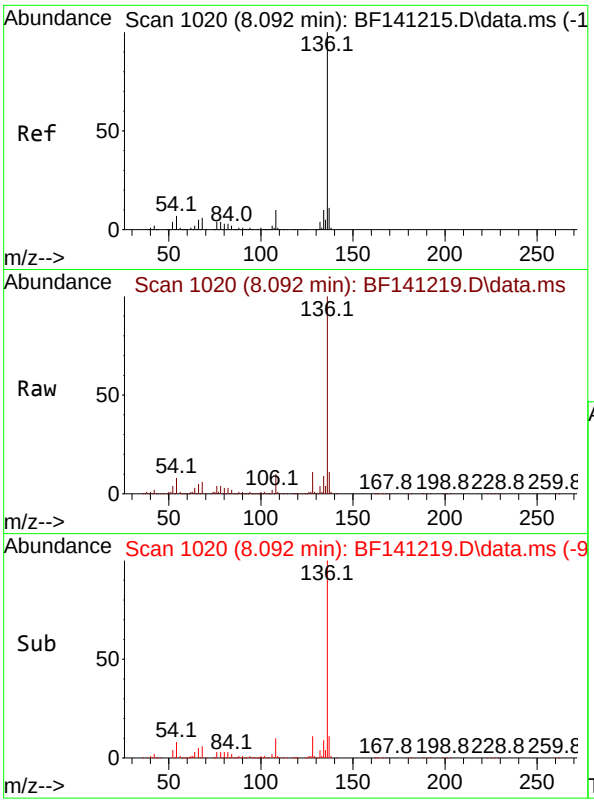


#20
3+4-Methylphenols
Concen: 47.765 ng
RT: 7.222 min Scan# 872
Delta R.T. -0.000 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:107 Resp: 545954

Ion	Ratio	Lower	Upper
107	100		
108	90.3	68.3	108.3
77	127.7	66.4	106.4#
79	30.9	9.6	49.6



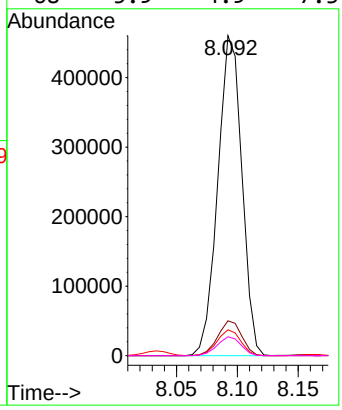


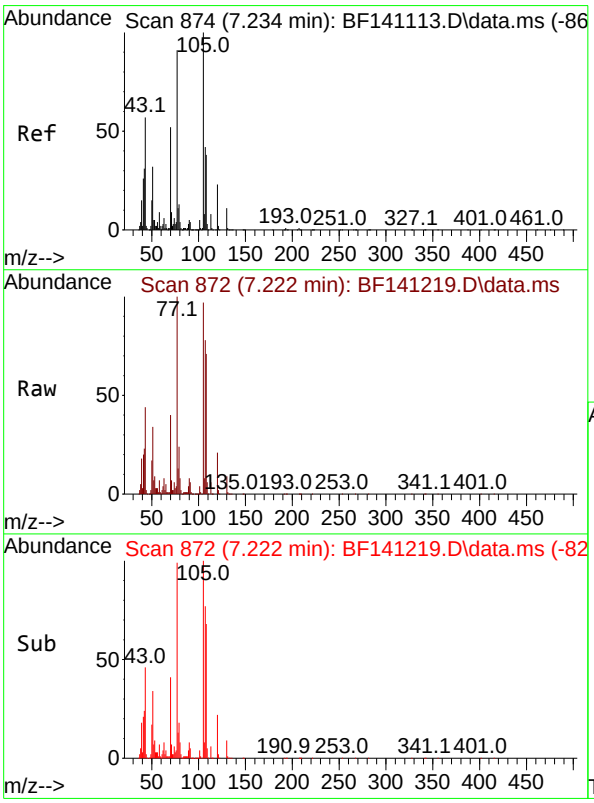
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.092 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Tgt Ion:136 Resp: 633827

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.8	13.2
54	8.1	6.3	9.5
68	5.9	4.9	7.3

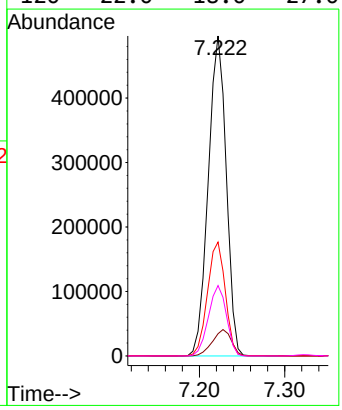


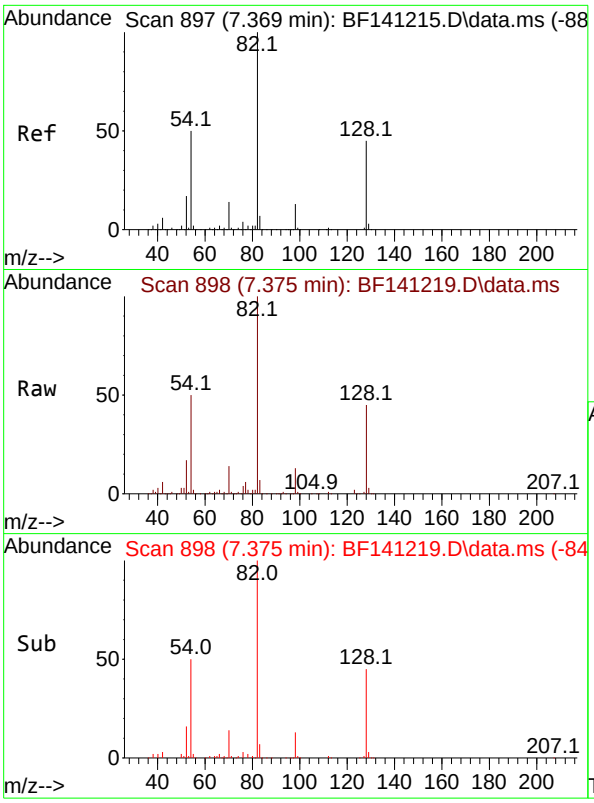


#22
Acetophenone
Concen: 48.274 ng
RT: 7.222 min Scan# 872
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:105 Resp: 727372

Ion	Ratio	Lower	Upper
105	100		
71	7.0	7.1	10.7#
51	35.6	25.4	38.2
120	22.0	18.0	27.0



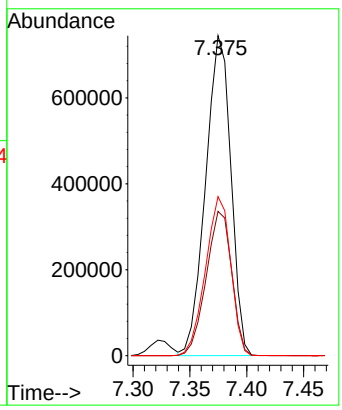


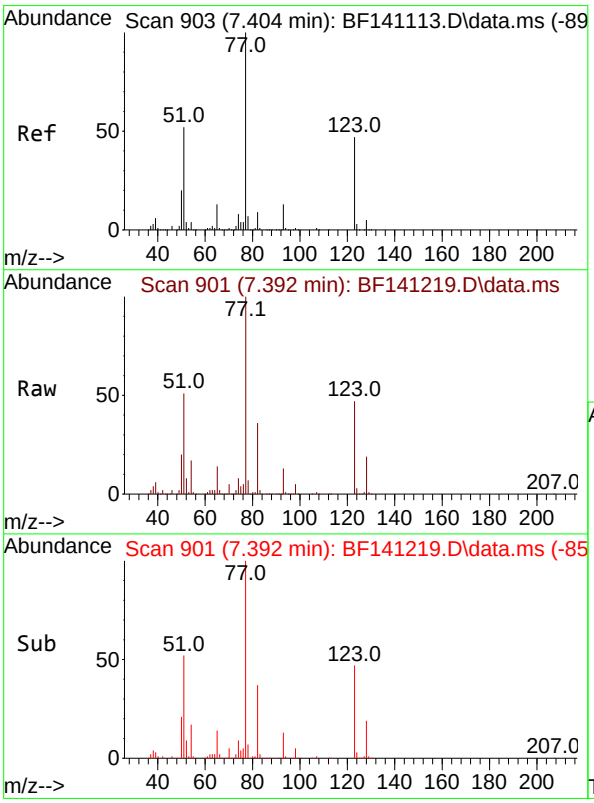
#23
Nitrobenzene-d5
Concen: 96.217 ng
RT: 7.375 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Tgt Ion: 82 Resp: 1150474

Ion	Ratio	Lower	Upper
82	100		
128	45.1	36.1	54.1
54	49.7	41.0	61.4

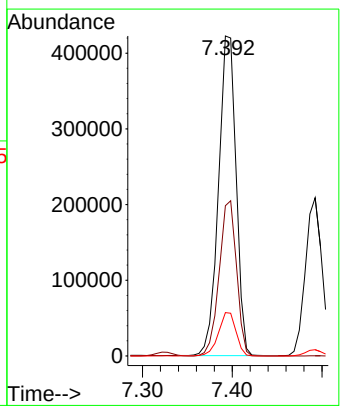


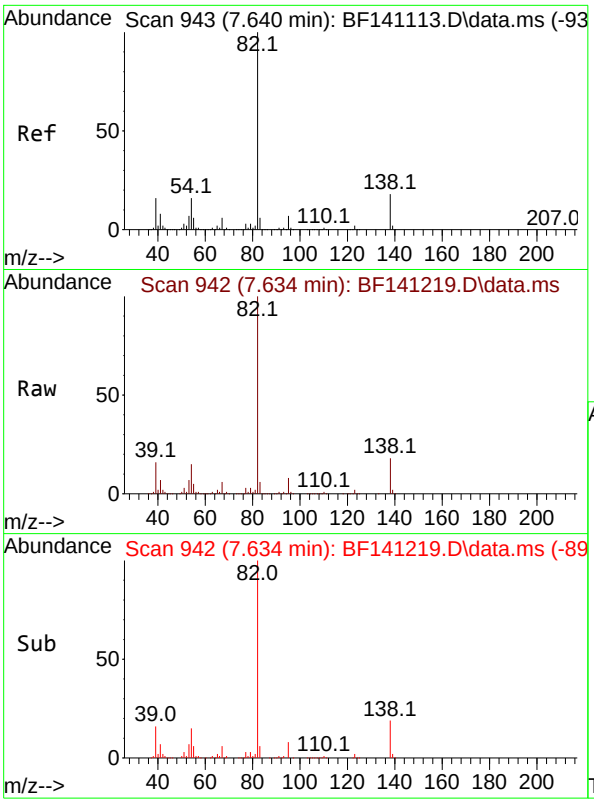


#24
Nitrobenzene
Concen: 46.115 ng
RT: 7.392 min Scan# 901
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion: 77 Resp: 574678

Ion	Ratio	Lower	Upper
77	100		
123	46.9	37.7	56.5
65	13.6	10.6	16.0



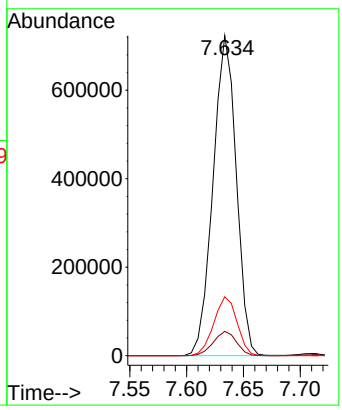


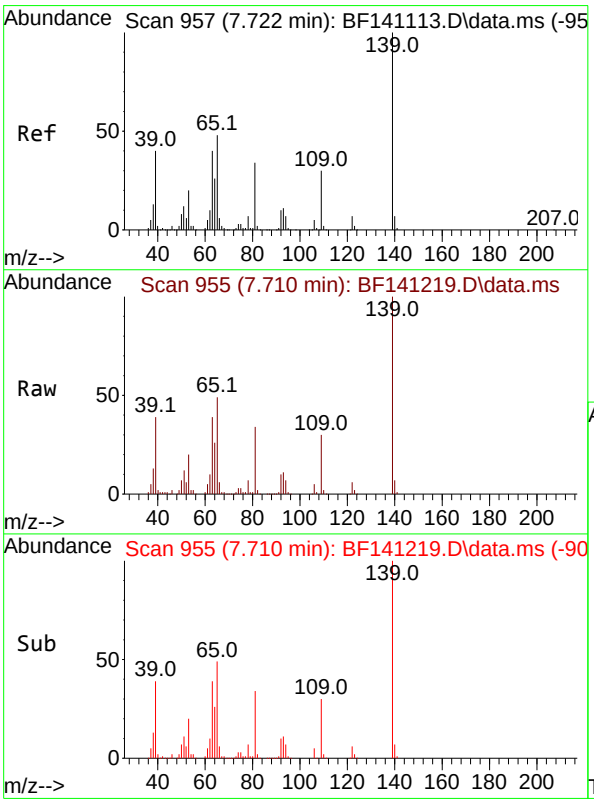
#25
Isophorone
Concen: 50.412 ng
RT: 7.634 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Tgt Ion: 82 Resp: 1030128

Ion	Ratio	Lower	Upper
82	100		
95	7.6	5.9	8.9
138	18.4	14.2	21.2

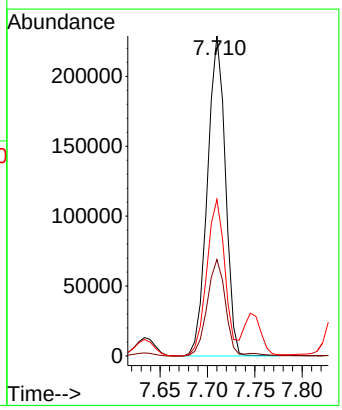


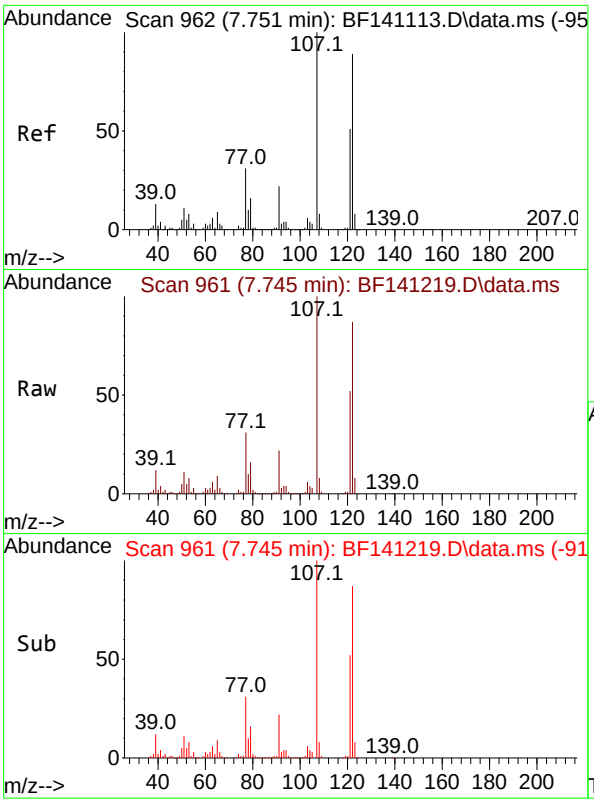


#26
2-Nitrophenol
Concen: 53.335 ng
RT: 7.710 min Scan# 955
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:139 Resp: 302338

Ion	Ratio	Lower	Upper
139	100		
109	30.1	23.8	35.6
65	48.9	38.5	57.7



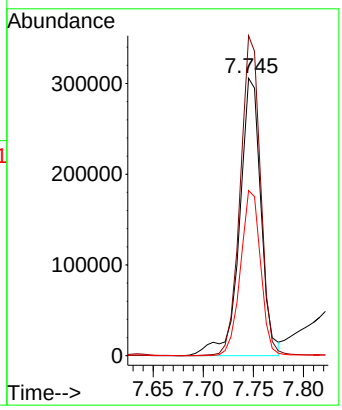


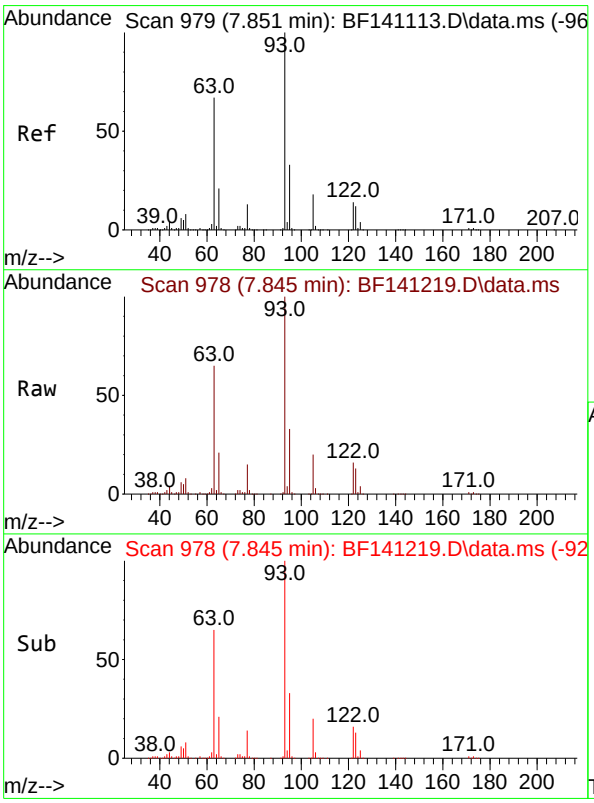
#27
2,4-Dimethylphenol
Concen: 59.285 ng
RT: 7.745 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Tgt Ion:122 Resp: 453311

Ion	Ratio	Lower	Upper
122	100		
107	115.3	90.3	135.5
121	59.5	46.5	69.7

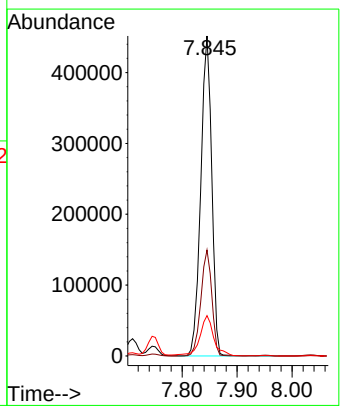


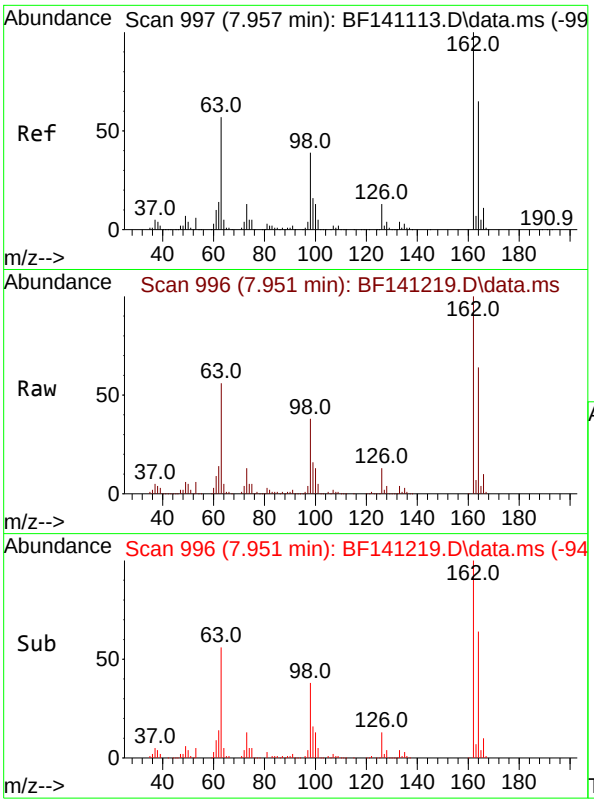


#28
bis(2-Chloroethoxy)methane
Concen: 48.920 ng
RT: 7.845 min Scan# 978
Delta R.T. -0.006 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion: 93 Resp: 627357

Ion	Ratio	Lower	Upper
93	100		
95	33.1	26.2	39.4
123	12.6	10.1	15.1



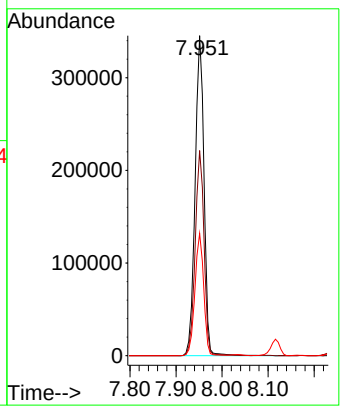


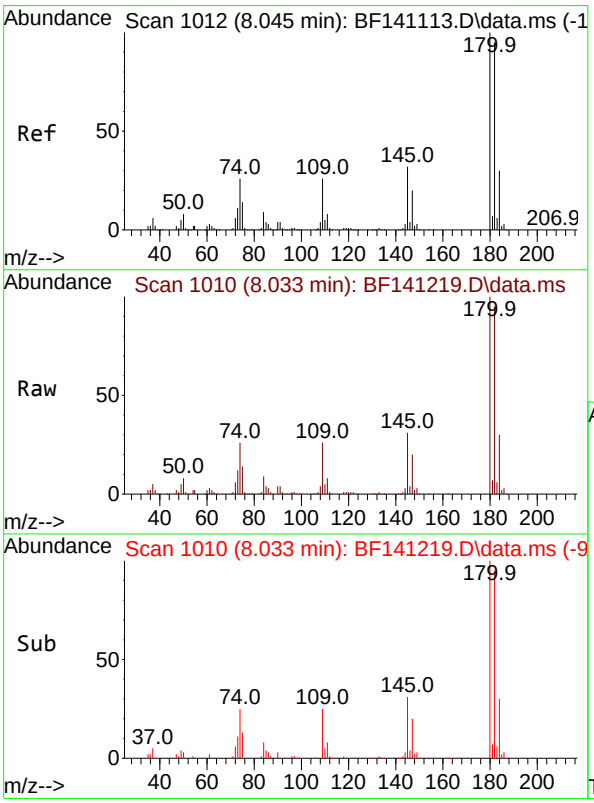
#29
2,4-Dichlorophenol
Concen: 50.888 ng
RT: 7.951 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Tgt Ion:162 Resp: 462125

Ion	Ratio	Lower	Upper
162	100		
164	64.1	44.5	84.5
98	38.2	18.5	58.5

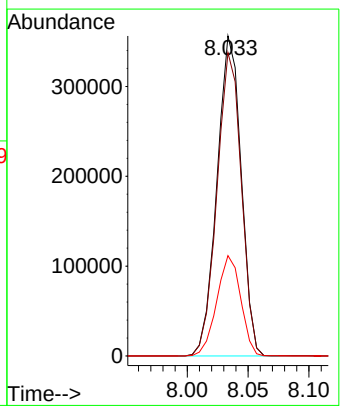


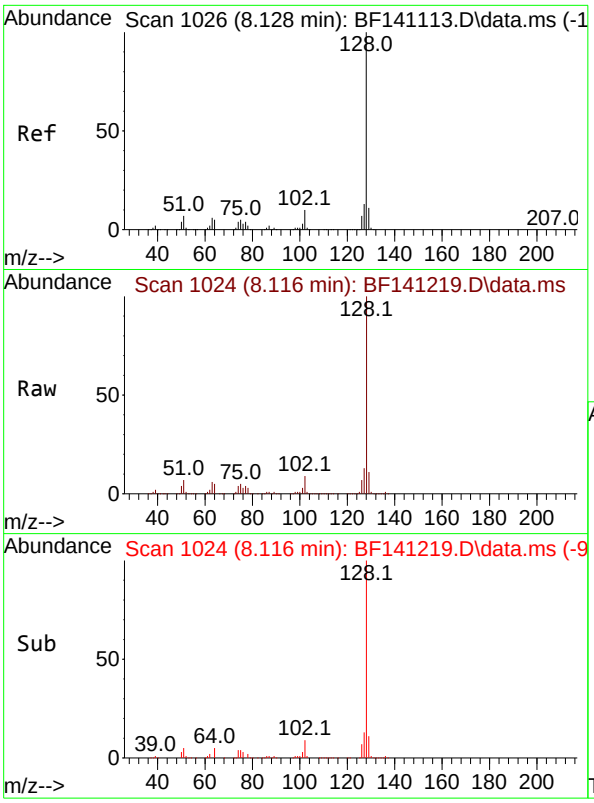


#30
1,2,4-Trichlorobenzene
Concen: 47.476 ng
RT: 8.033 min Scan# 1010
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:180 Resp: 492811

Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.2	114.2
145	31.4	25.3	37.9



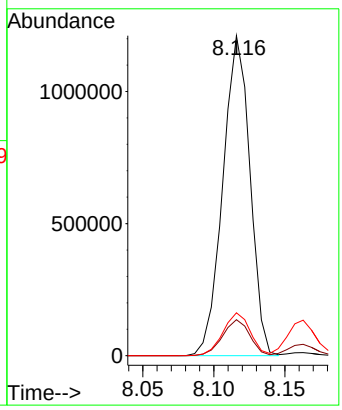


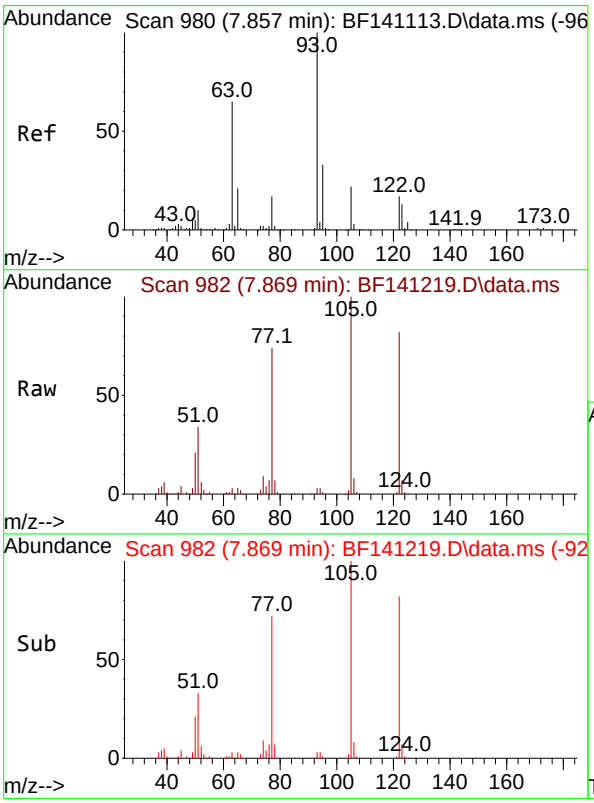
#31
Naphthalene
Concen: 48.145 ng
RT: 8.116 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Tgt Ion:128 Resp: 1609272

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.0	13.6
127	13.4	10.8	16.2

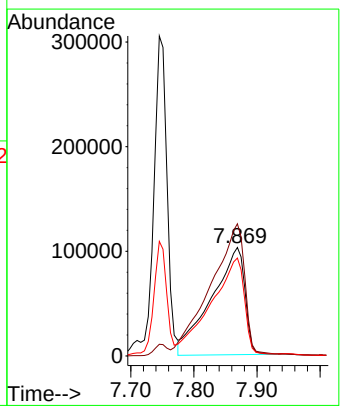


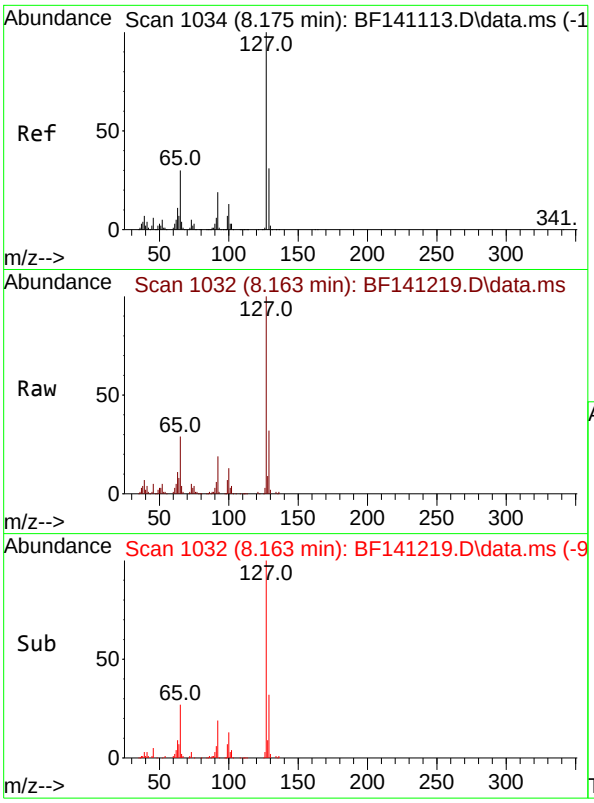


#32
Benzoic acid
Concen: 51.143 ng
RT: 7.869 min Scan# 982
Delta R.T. 0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:122 Resp: 375125

Ion	Ratio	Lower	Upper
122	100		
105	121.7	105.5	145.5
77	90.2	75.1	115.1



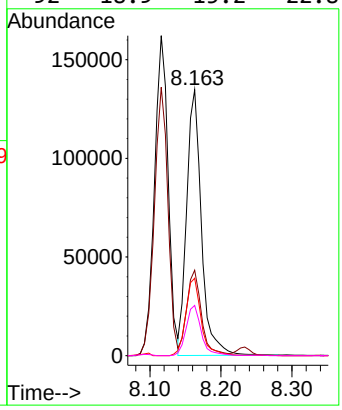


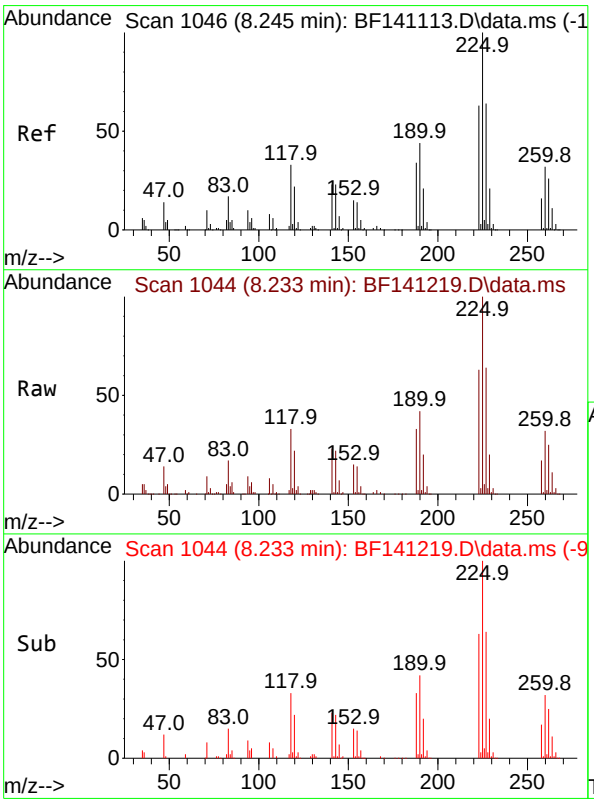
#33
4-Chloroaniline
Concen: 16.782 ng
RT: 8.163 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Tgt Ion:127 Resp: 193999

Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.9	38.9
65	29.1	23.8	35.8
92	18.9	15.2	22.8

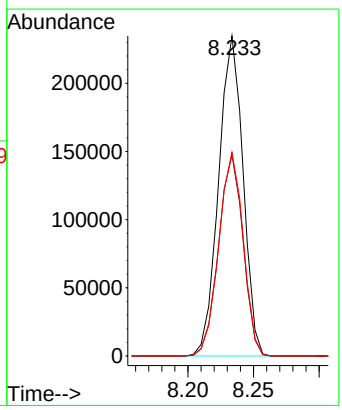


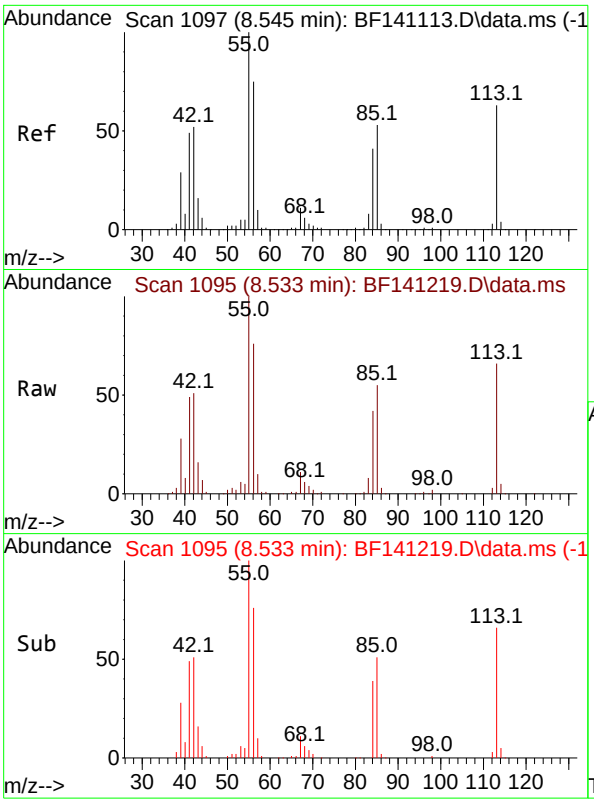


#34
Hexachlorobutadiene
Concen: 48.496 ng
RT: 8.233 min Scan# 1044
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:225 Resp: 303323

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.6	76.0
227	63.7	51.6	77.4



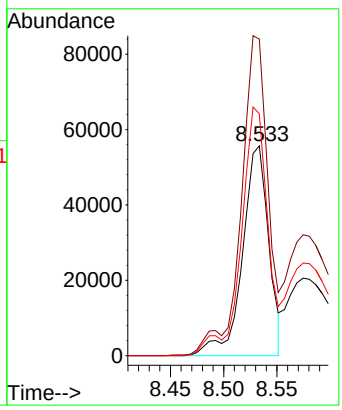


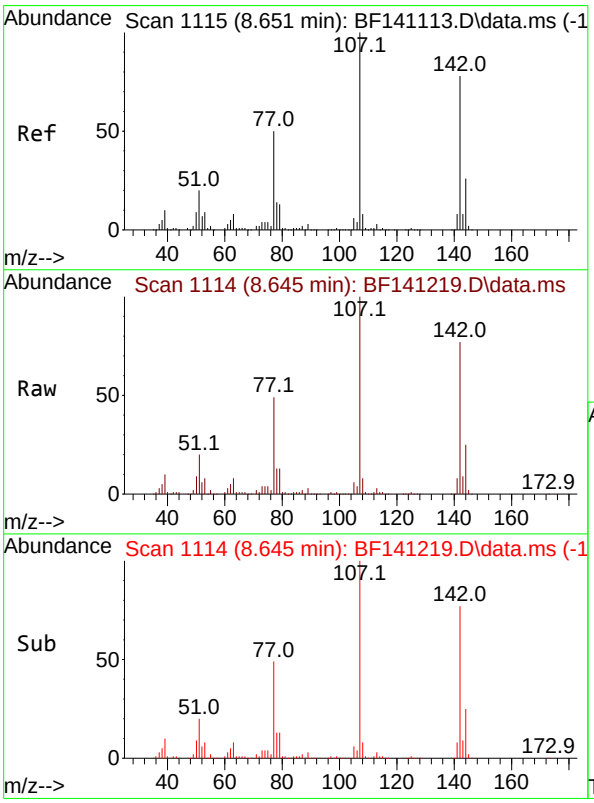
#35
Caprolactam
Concen: 32.123 ng
RT: 8.533 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Tgt Ion:113 Resp: 95506

Ion	Ratio	Lower	Upper
113	100		
55	150.9	139.7	179.7
56	115.3	99.4	139.4

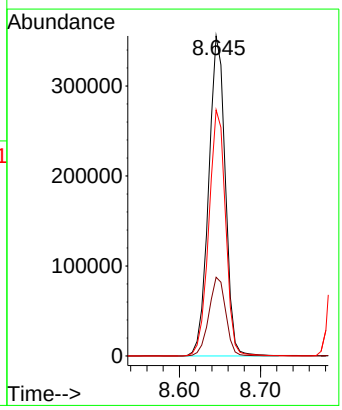


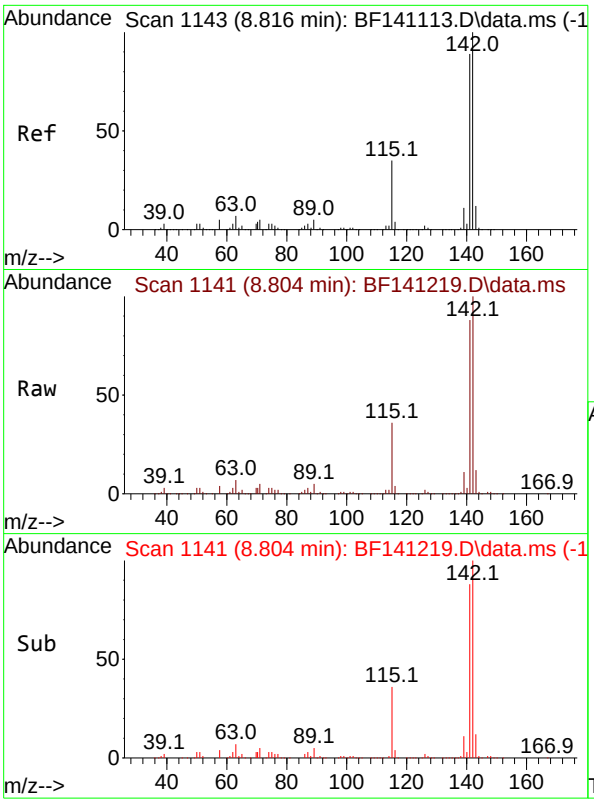


#36
4-Chloro-3-methylphenol
Concen: 50.940 ng
RT: 8.645 min Scan# 1114
Delta R.T. -0.006 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:107 Resp: 505923

Ion	Ratio	Lower	Upper
107	100		
144	24.6	20.4	30.6
142	76.9	62.2	93.2



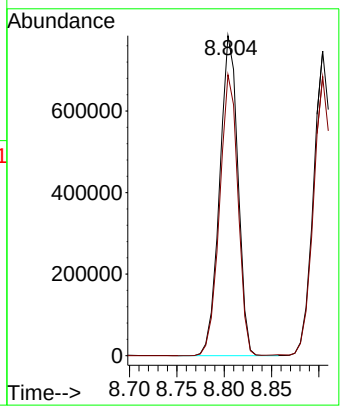


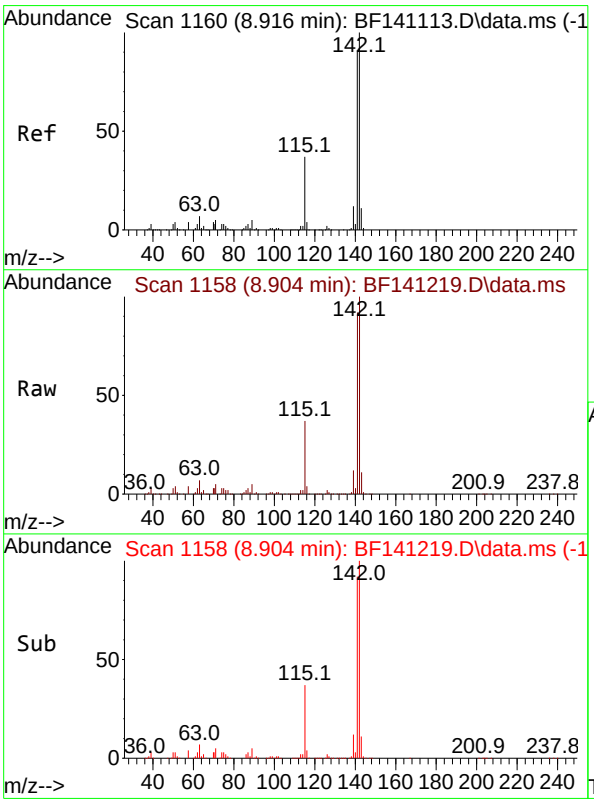
#37
2-Methylnaphthalene
Concen: 49.647 ng
RT: 8.804 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Tgt Ion:142 Resp: 1057471

Ion	Ratio	Lower	Upper
142	100		
141	87.8	71.3	106.9

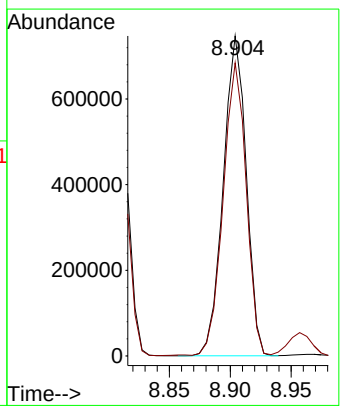


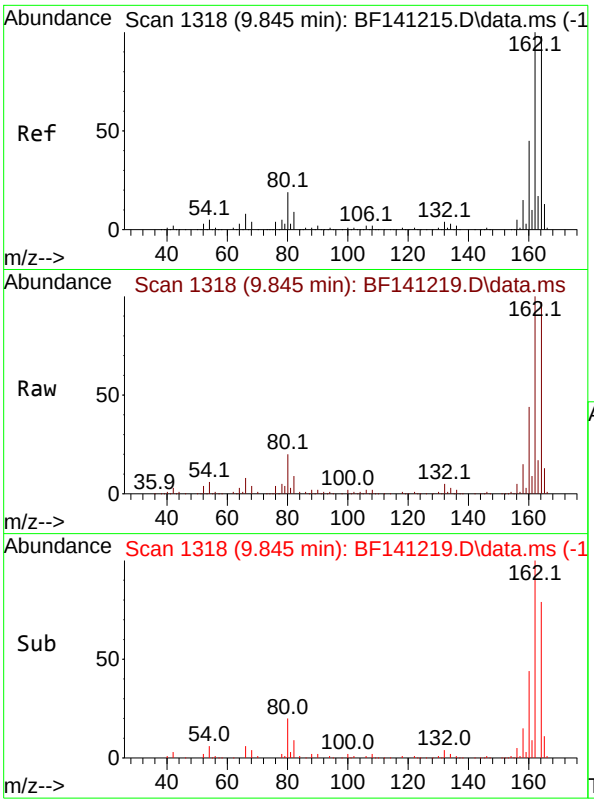


#38
1-Methylnaphthalene
Concen: 46.727 ng
RT: 8.904 min Scan# 1158
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:142 Resp: 980871

Ion	Ratio	Lower	Upper
142	100		
141	91.6	73.1	109.7



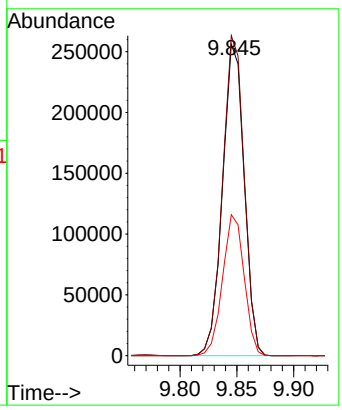


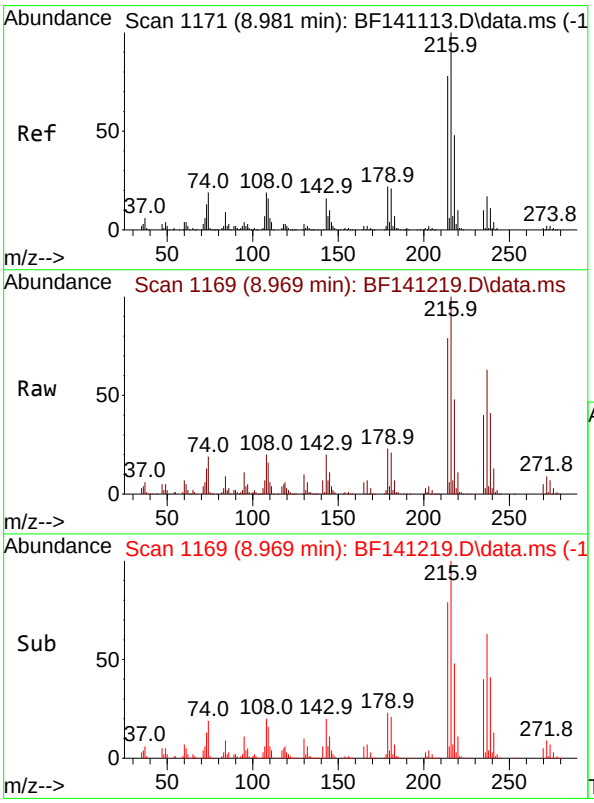
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.845 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Tgt Ion:164 Resp: 339384

Ion	Ratio	Lower	Upper
164	100		
162	102.7	81.0	121.4
160	45.2	36.1	54.1

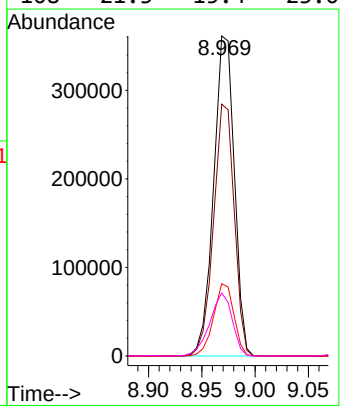


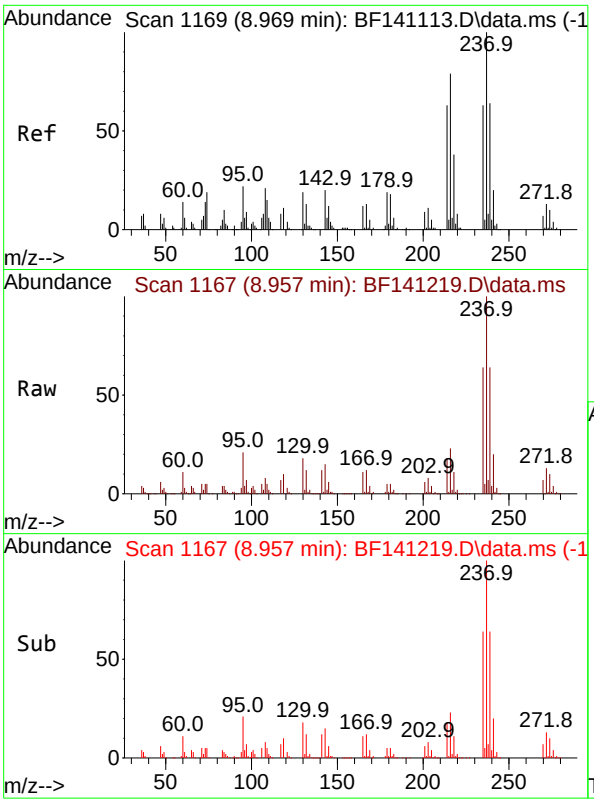


#40
1,2,4,5-Tetrachlorobenzene
Concen: 50.151 ng
RT: 8.969 min Scan# 1169
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:216 Resp: 488519

Ion	Ratio	Lower	Upper
216	100		
214	78.4	62.6	94.0
179	22.2	17.7	26.5
108	21.3	15.4	23.0



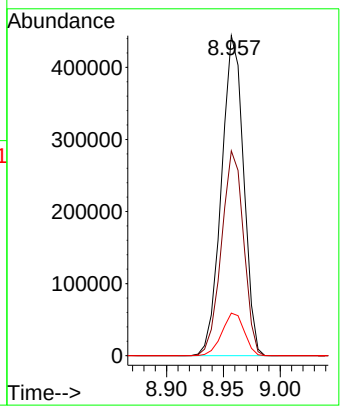


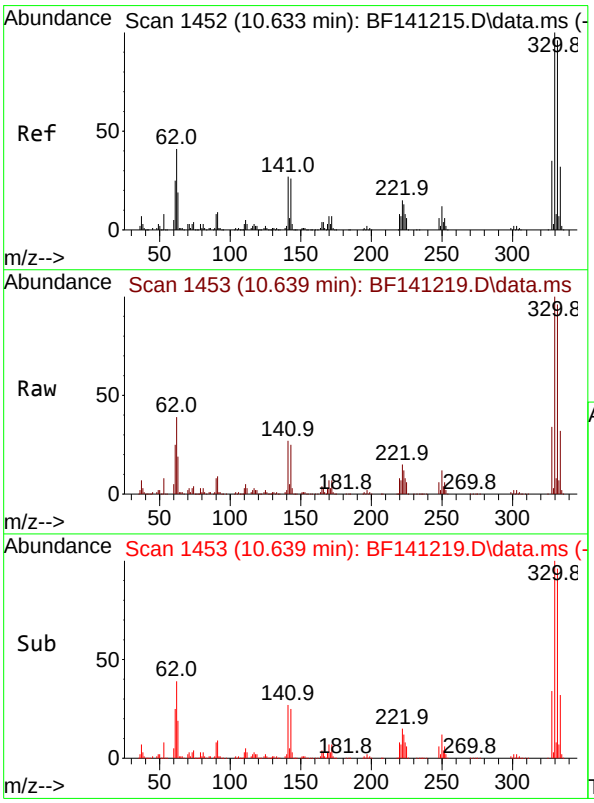
#41
Hexachlorocyclopentadiene
Concen: 189.090 ng
RT: 8.957 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Tgt Ion:237 Resp: 602613

Ion	Ratio	Lower	Upper
237	100		
235	64.0	43.0	83.0
272	13.3	0.0	33.0

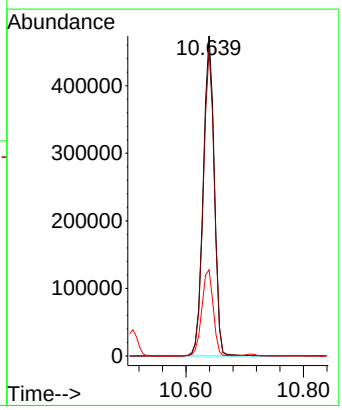


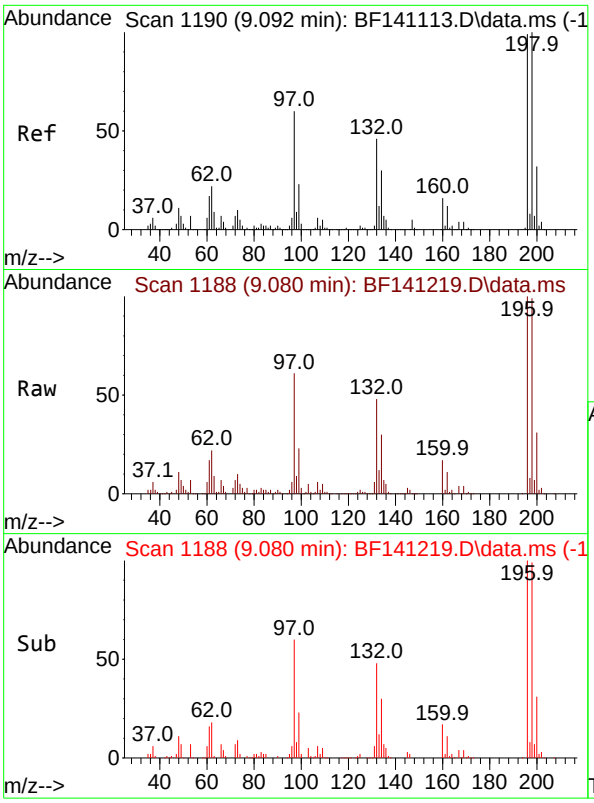


#42
2,4,6-Tribromophenol
Concen: 159.748 ng
RT: 10.639 min Scan# 1453
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:330 Resp: 617755

Ion	Ratio	Lower	Upper
330	100		
332	95.6	76.9	115.3
141	27.9	25.2	37.8



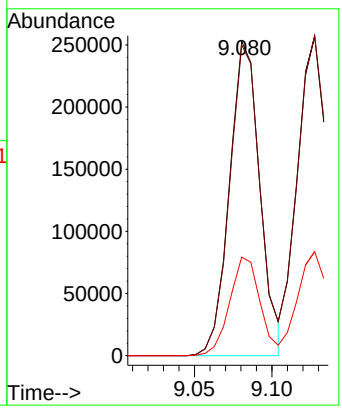


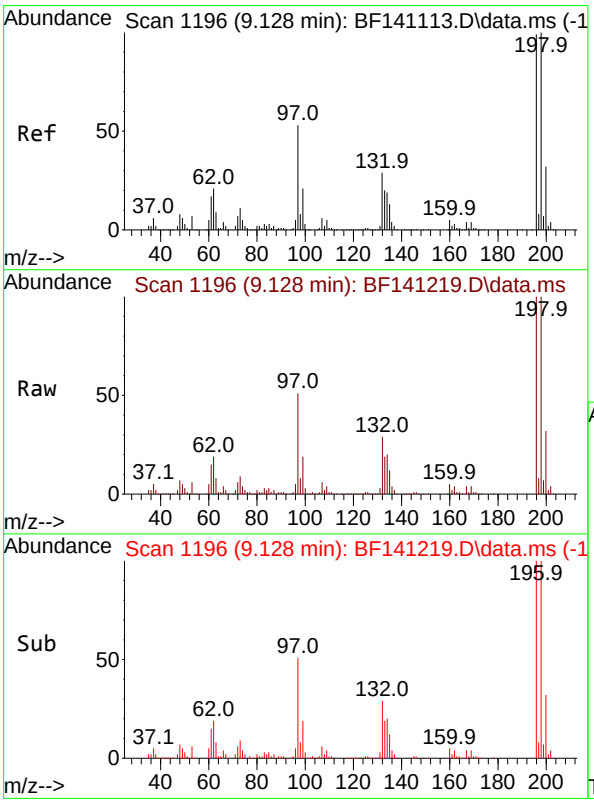
#43
2,4,6-Trichlorophenol
Concen: 52.519 ng
RT: 9.080 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Tgt Ion:196 Resp: 345034

Ion	Ratio	Lower	Upper
196	100		
198	98.8	80.8	121.2
200	31.3	25.7	38.5

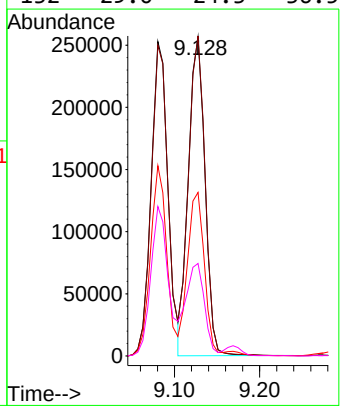


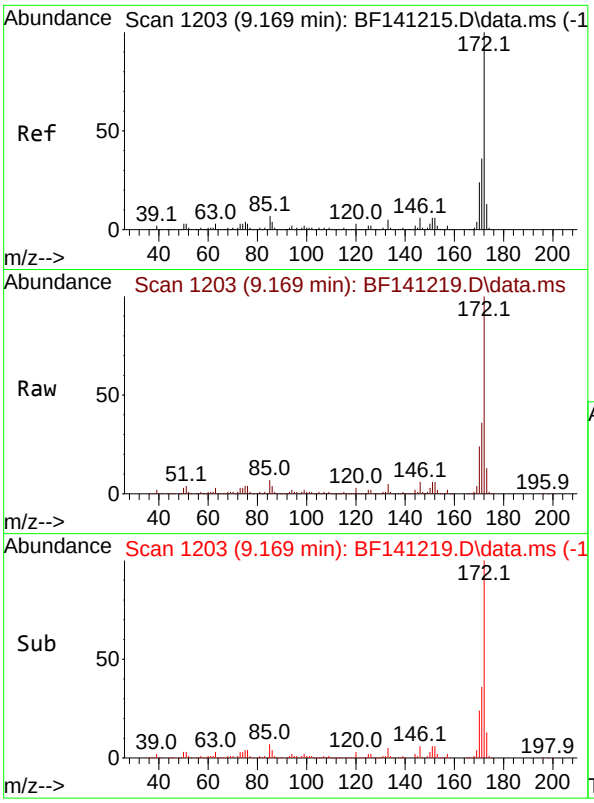


#44
2,4,5-Trichlorophenol
Concen: 50.353 ng
RT: 9.128 min Scan# 1196
Delta R.T. -0.000 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:196 Resp: 349371

Ion	Ratio	Lower	Upper
196	100		
198	100.3	80.6	120.8
97	51.2	43.1	64.7
132	29.0	24.3	36.5



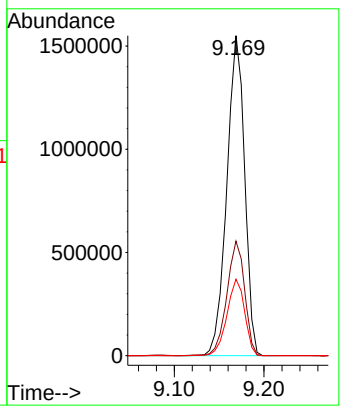


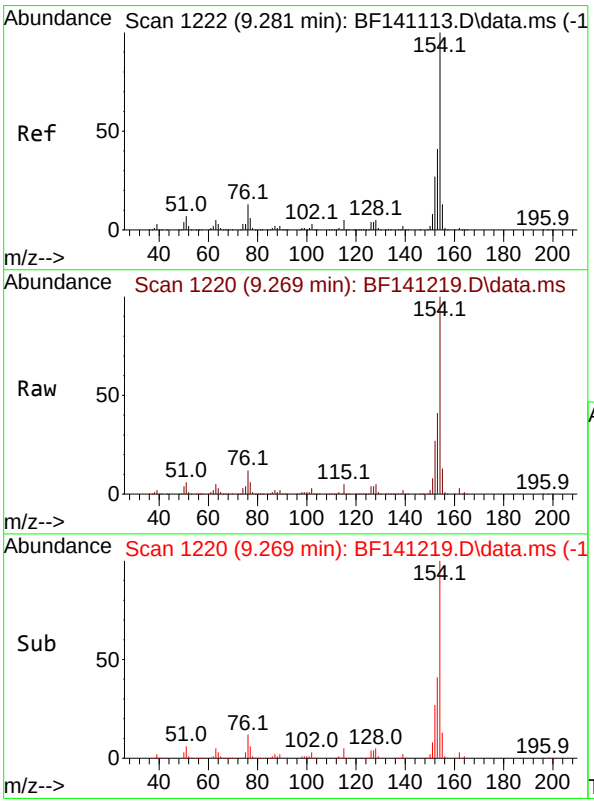
#45
2-Fluorobiphenyl
Concen: 96.189 ng
RT: 9.169 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Tgt Ion:172 Resp: 2137782

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.7	43.1
170	23.9	19.0	28.6

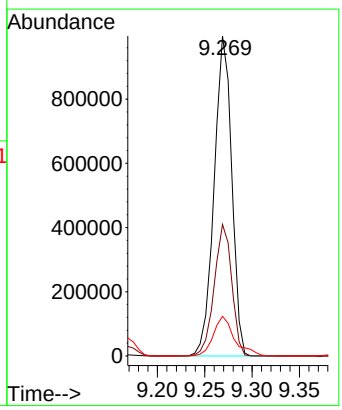


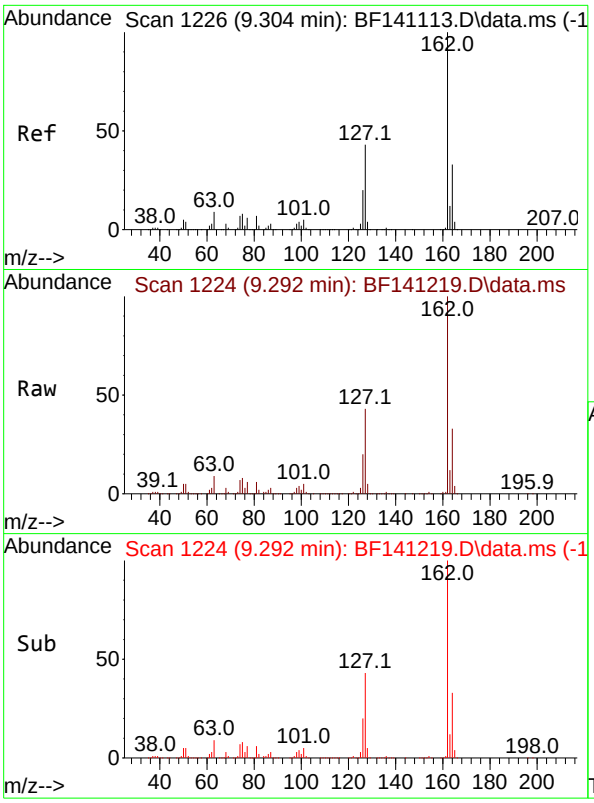


#46
1,1'-Biphenyl
Concen: 48.924 ng
RT: 9.269 min Scan# 1220
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:154 Resp: 1289480

Ion	Ratio	Lower	Upper
154	100		
153	41.1	20.7	60.7
76	12.4	0.0	33.1



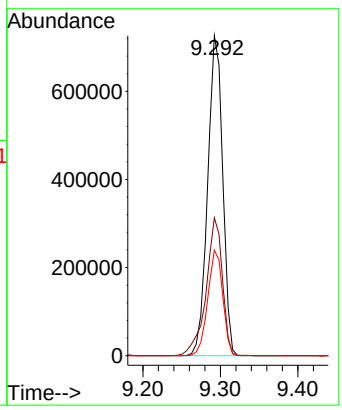


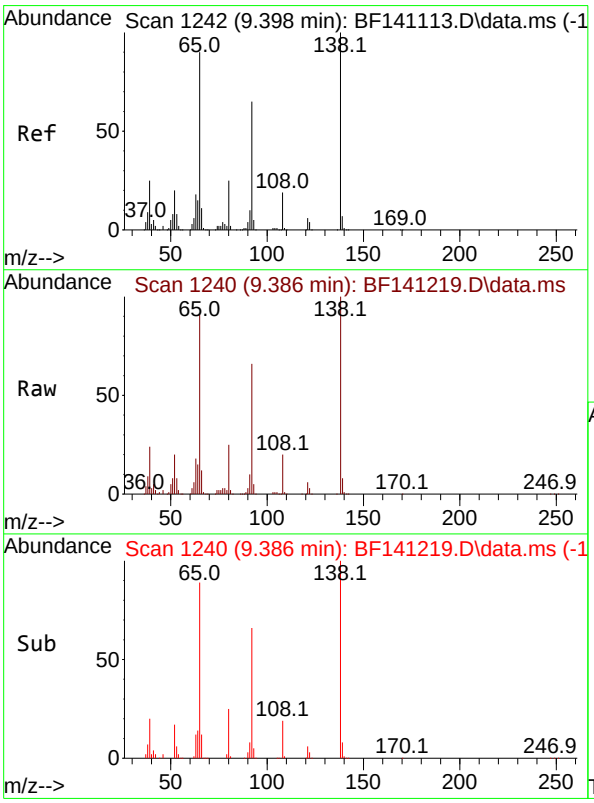
#47
2-Chloronaphthalene
Concen: 47.611 ng
RT: 9.292 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Tgt Ion:162 Resp: 977375

Ion	Ratio	Lower	Upper
162	100		
127	43.1	34.6	51.8
164	32.9	26.5	39.7

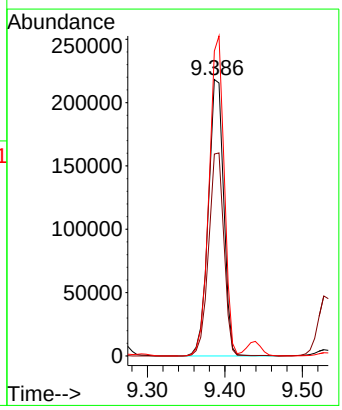


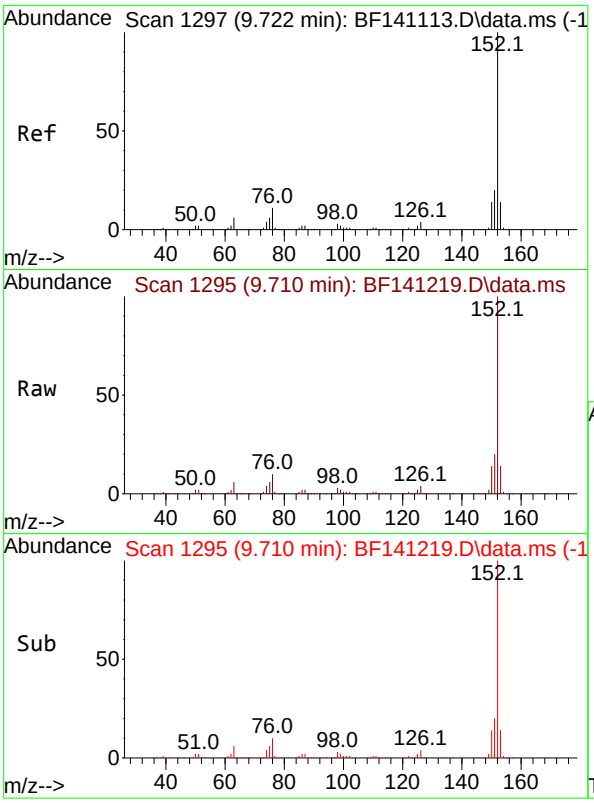


#48
2-Nitroaniline
Concen: 49.494 ng
RT: 9.386 min Scan# 1240
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion: 65 Resp: 301187

Ion	Ratio	Lower	Upper
65	100		
92	73.0	58.3	87.5
138	110.3	89.1	133.7



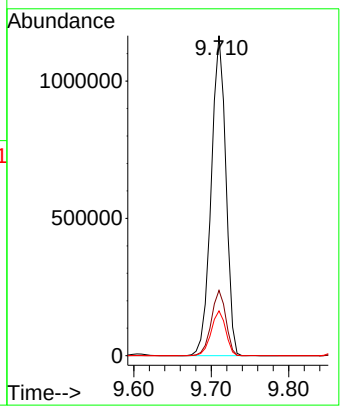


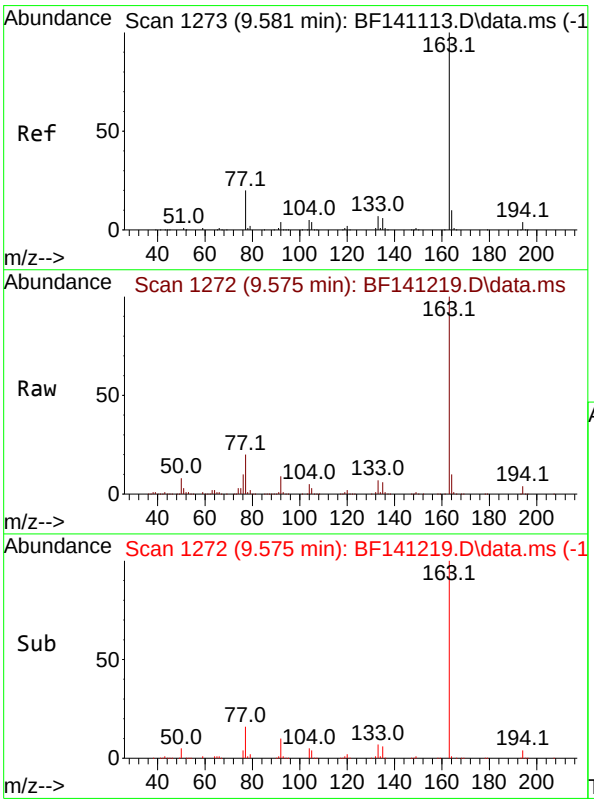
#49
Acenaphthylene
Concen: 52.144 ng
RT: 9.710 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Tgt Ion:152 Resp: 1529336

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.1	24.1
153	14.0	11.1	16.7

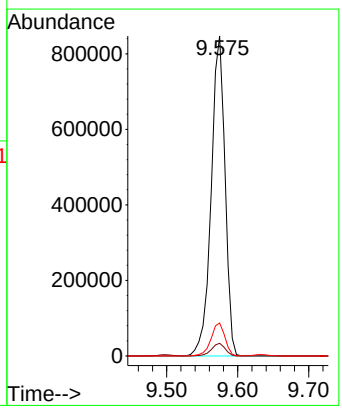


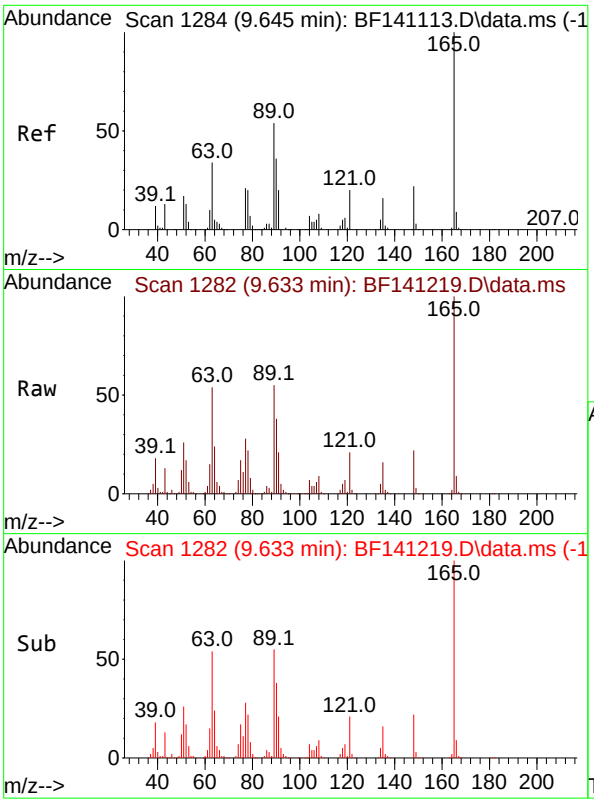


#50
Dimethylphthalate
Concen: 50.349 ng
RT: 9.575 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:163 Resp: 1147172

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.0	4.6
164	10.3	8.2	12.4



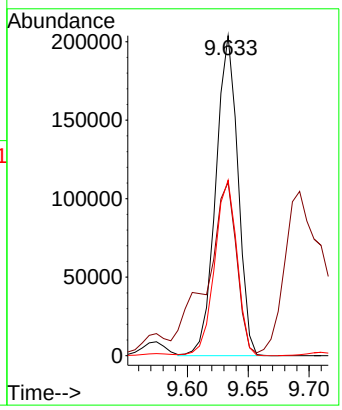


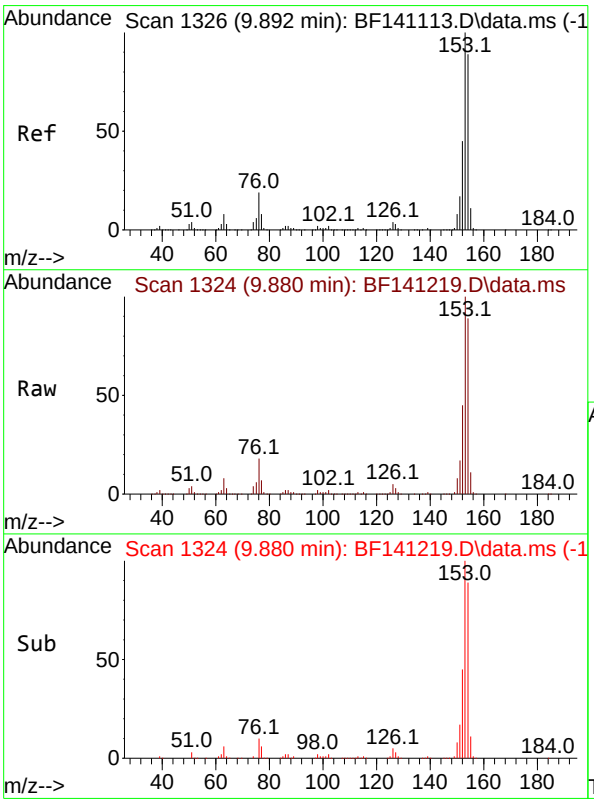
#51
2,6-Dinitrotoluene
Concen: 48.745 ng
RT: 9.633 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Tgt Ion:165 Resp: 258267

Ion	Ratio	Lower	Upper
165	100		
63	54.1	42.3	63.5
89	54.8	43.1	64.7

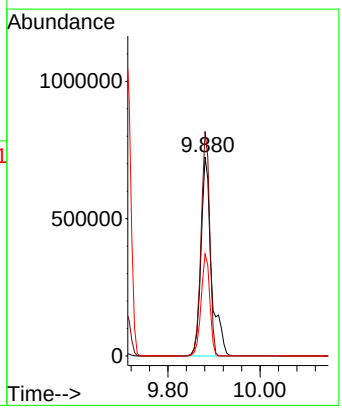


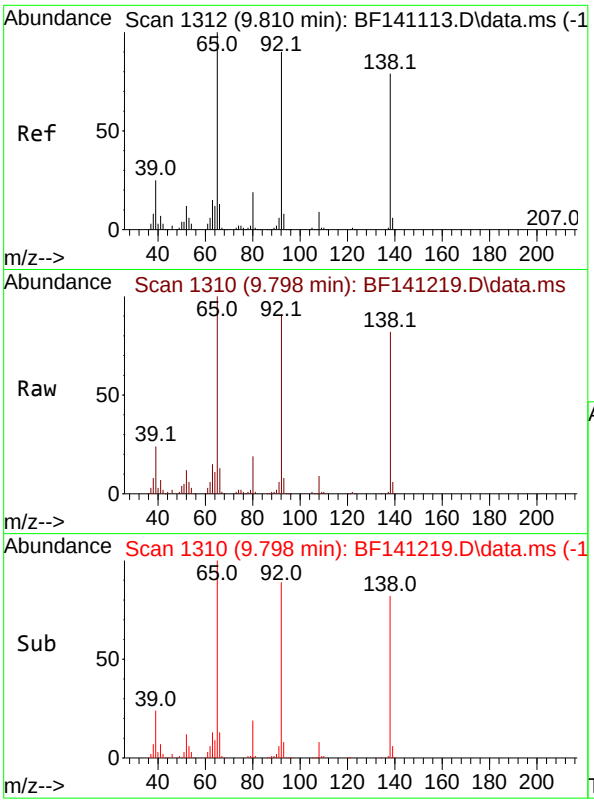


#52
Acenaphthene
Concen: 55.939 ng
RT: 9.880 min Scan# 1324
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:154 Resp: 1146231

Ion	Ratio	Lower	Upper
154	100		
153	112.8	89.8	134.6
152	51.3	40.8	61.2



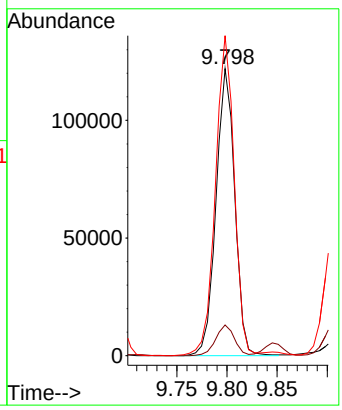


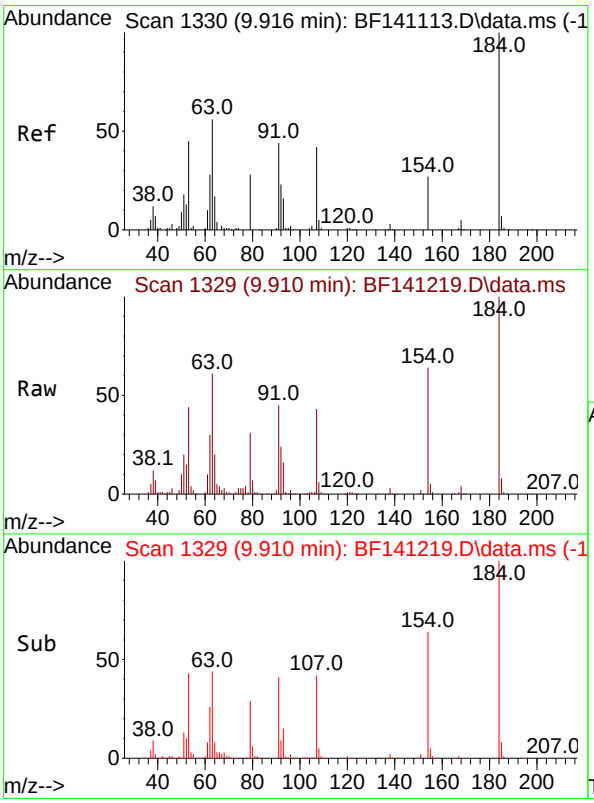
#53
3-Nitroaniline
Concen: 29.423 ng
RT: 9.798 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Tgt Ion:138 Resp: 158420

Ion	Ratio	Lower	Upper
138	100		
108	10.7	8.8	13.2
92	111.5	91.3	136.9

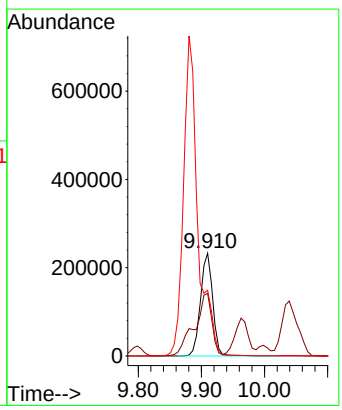


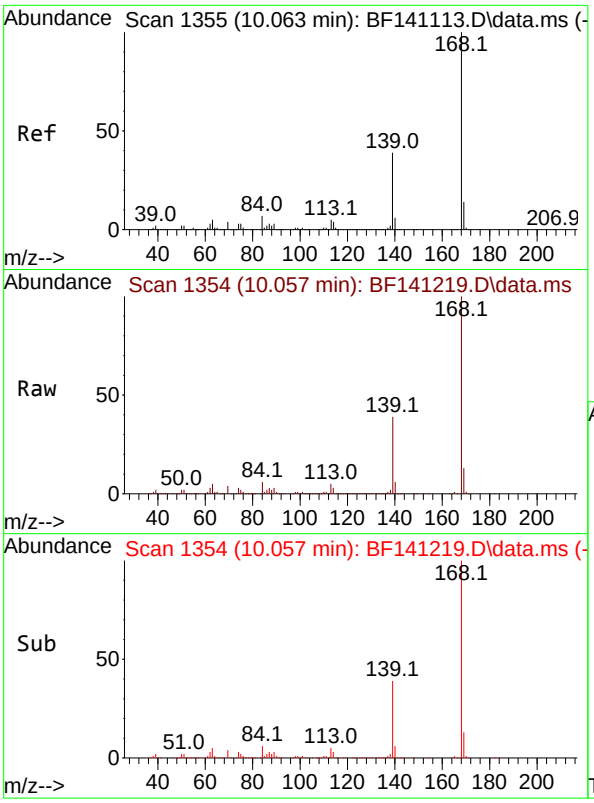


#54
2,4-Dinitrophenol
Concen: 124.051 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.006 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:184 Resp: 312413

Ion	Ratio	Lower	Upper
184	100		
63	60.9	48.7	73.1
154	64.0	57.1	85.7



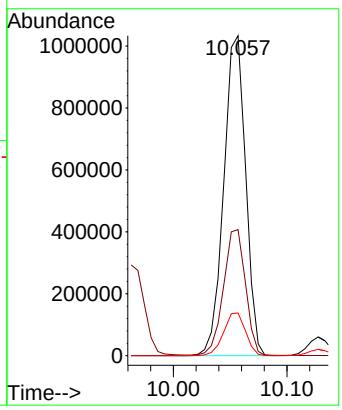


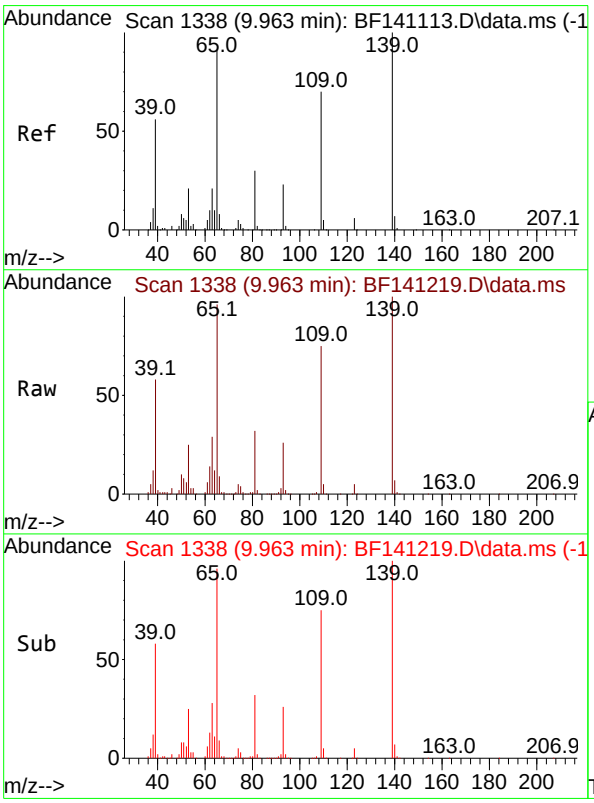
#55
Dibenzofuran
Concen: 49.648 ng
RT: 10.057 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Tgt Ion:168 Resp: 1383773

Ion	Ratio	Lower	Upper
168	100		
139	39.4	31.4	47.0
169	13.4	10.9	16.3

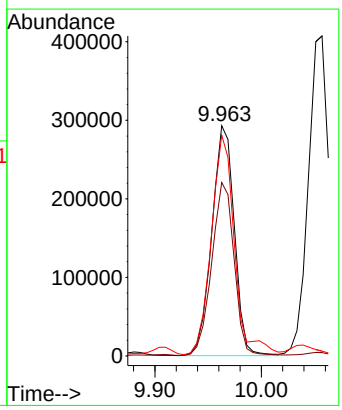


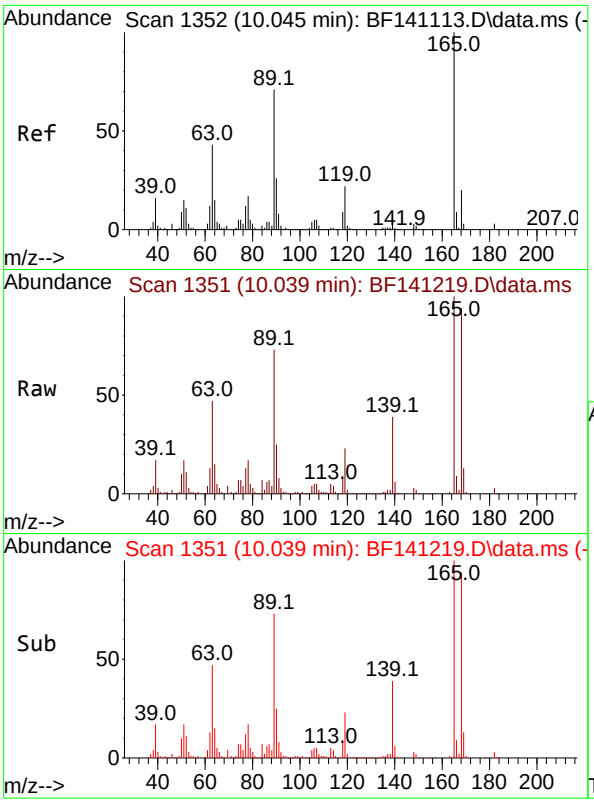


#56
4-Nitrophenol
Concen: 101.709 ng
RT: 9.963 min Scan# 1338
Delta R.T. -0.000 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:139 Resp: 428885

Ion	Ratio	Lower	Upper
139	100		
109	75.3	50.2	90.2
65	95.9	72.1	112.1



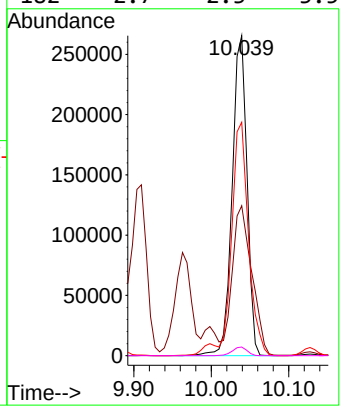


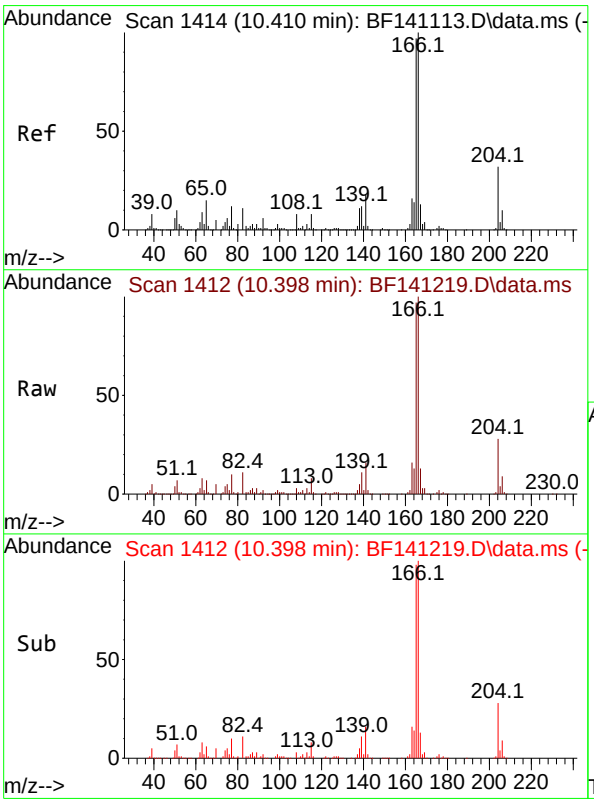
#57
2,4-Dinitrotoluene
Concen: 51.659 ng
RT: 10.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Tgt Ion:165 Resp: 352735

Ion	Ratio	Lower	Upper
165	100		
63	46.9	35.0	52.4
89	73.0	56.7	85.1
182	2.7	2.3	3.5

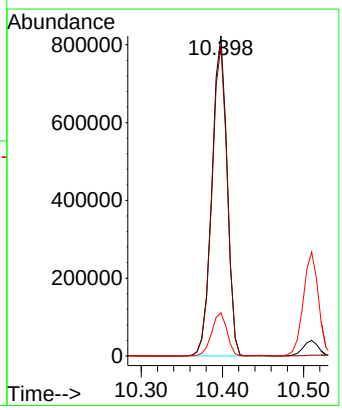


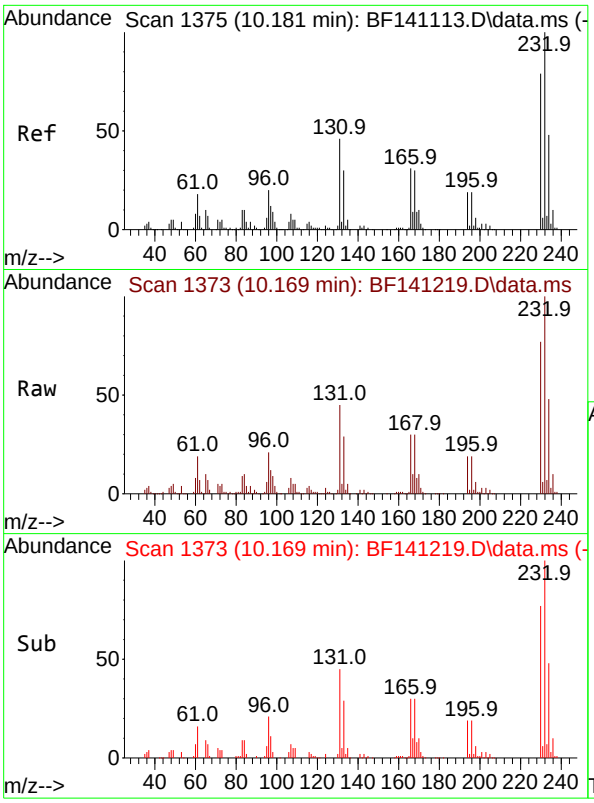


#58
Fluorene
Concen: 49.335 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:166 Resp: 1068273

Ion	Ratio	Lower	Upper
166	100		
165	97.1	77.8	116.8
167	13.5	10.8	16.2



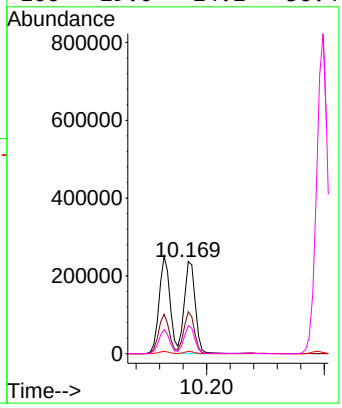


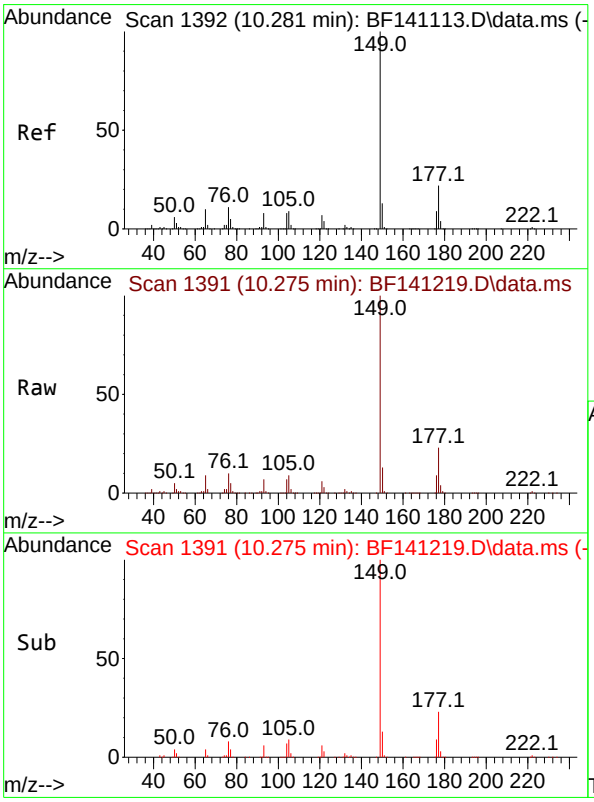
#59
2,3,4,6-Tetrachlorophenol
Concen: 53.412 ng
RT: 10.169 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Tgt Ion:232 Resp: 308042

Ion	Ratio	Lower	Upper
232	100		
131	43.9	36.2	54.4
130	2.3	2.0	3.0
166	29.0	24.2	36.4

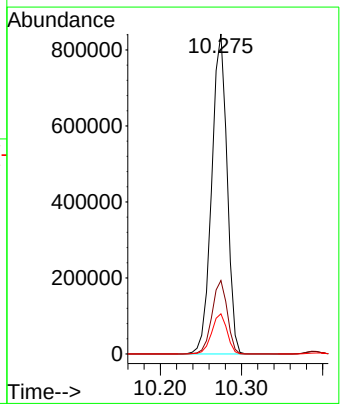


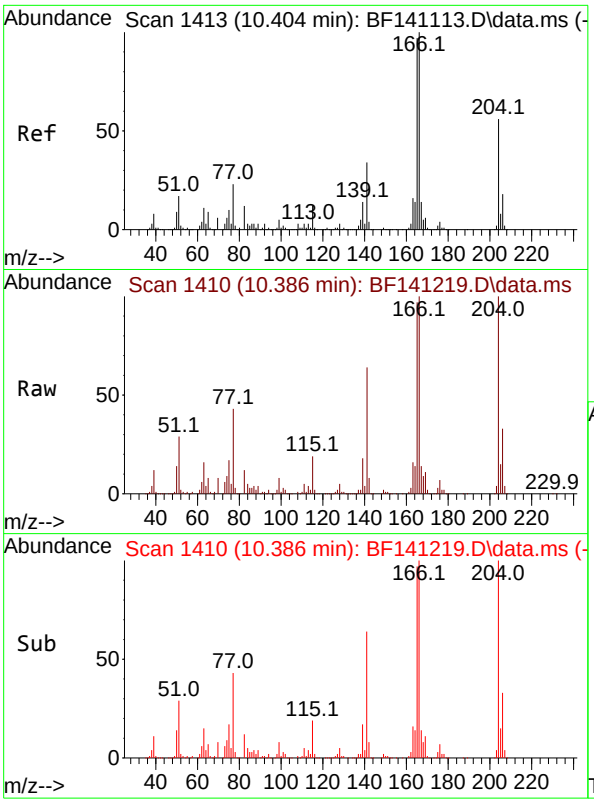


#60
Diethylphthalate
Concen: 49.775 ng
RT: 10.275 min Scan# 1391
Delta R.T. -0.006 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:149 Resp: 1107152

Ion	Ratio	Lower	Upper
149	100		
177	23.0	17.9	26.9
150	12.5	10.2	15.2



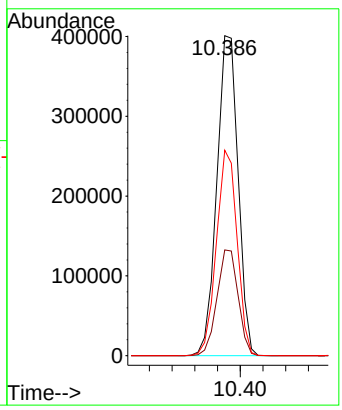


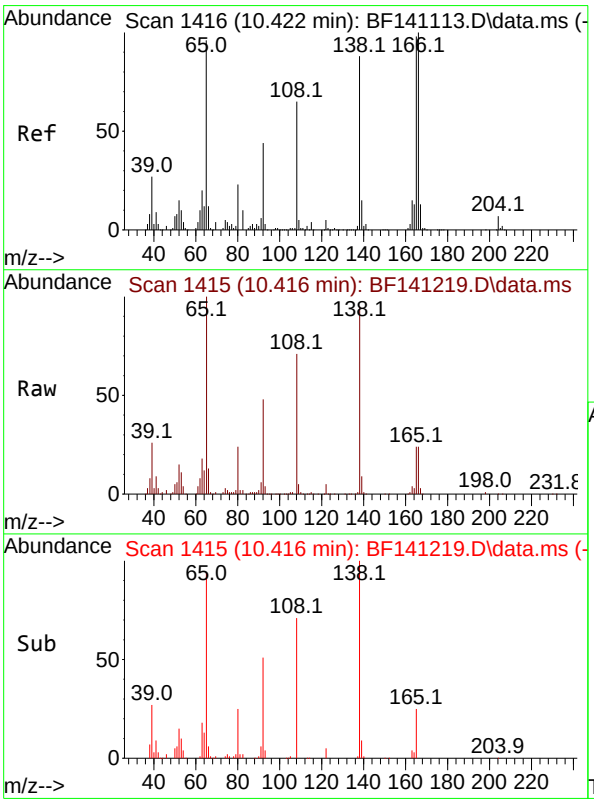
#61
4-Chlorophenyl-phenylether
Concen: 49.376 ng
RT: 10.386 min Scan# 14
Delta R.T. -0.018 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Tgt Ion:204 Resp: 521088

Ion	Ratio	Lower	Upper
204	100		
206	33.1	25.9	38.9
141	64.2	49.1	73.7

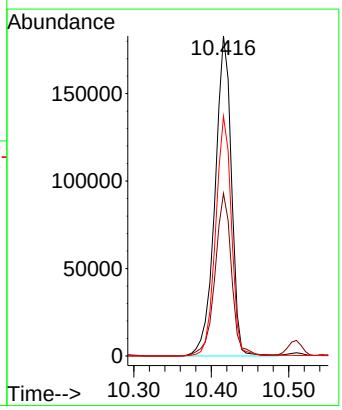


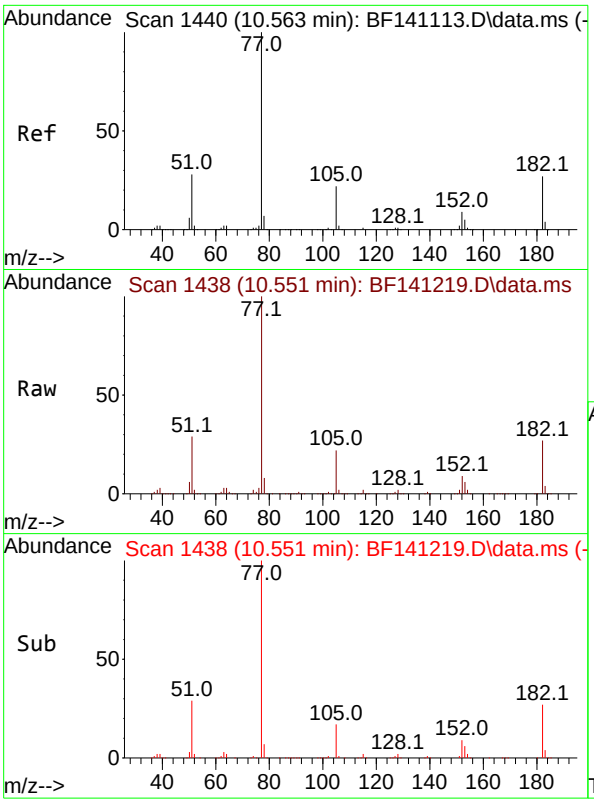


#62
4-Nitroaniline
Concen: 51.150 ng
RT: 10.416 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:138 Resp: 269551

Ion	Ratio	Lower	Upper
138	100		
92	50.8	29.4	69.4
108	74.9	53.7	93.7



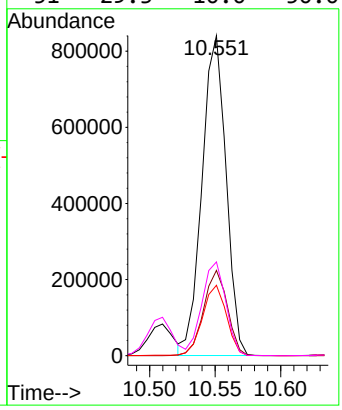


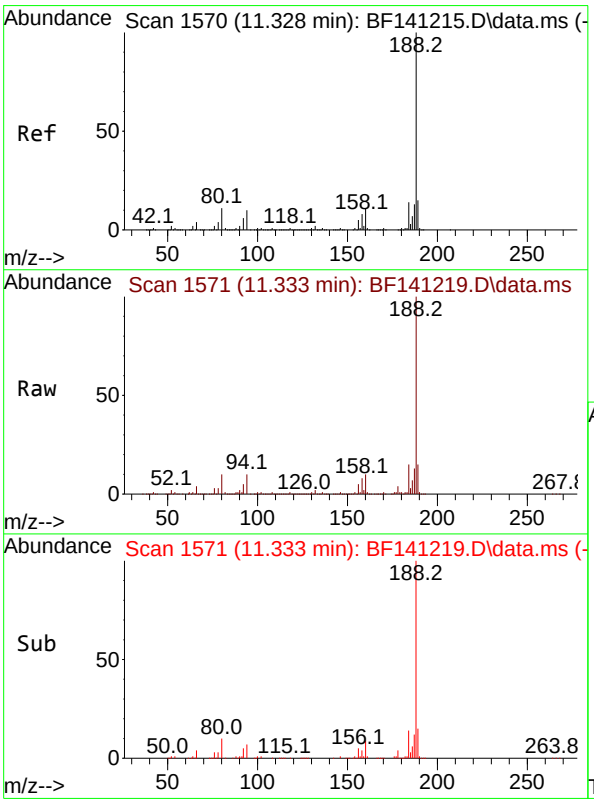
#63
Azobenzene
Concen: 48.824 ng
RT: 10.551 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Tgt Ion: 77 Resp: 1071575

Ion	Ratio	Lower	Upper
77	100		
182	26.7	6.1	46.1
105	22.0	2.1	42.1
51	29.3	10.0	50.0

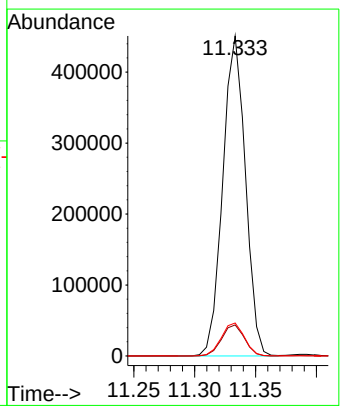


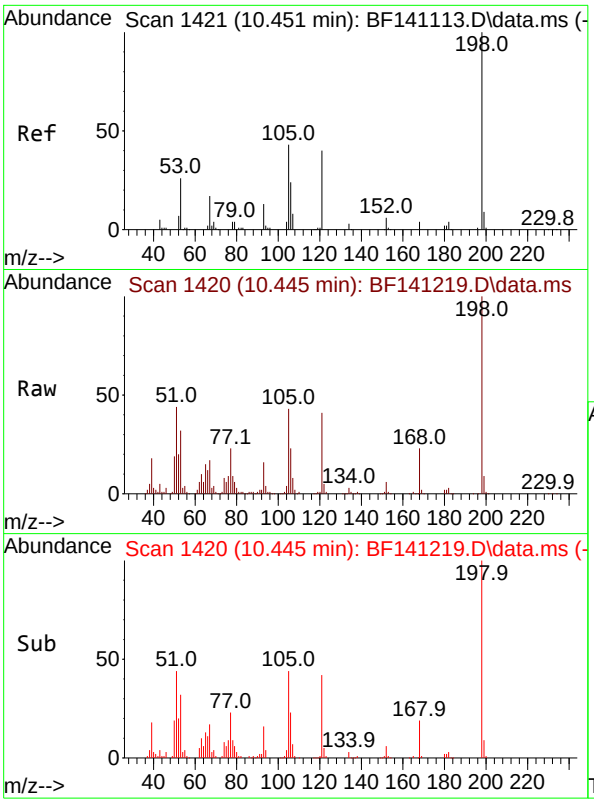


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.333 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:188 Resp: 582564

Ion	Ratio	Lower	Upper
188	100		
94	9.7	8.3	12.5
80	10.3	9.0	13.4



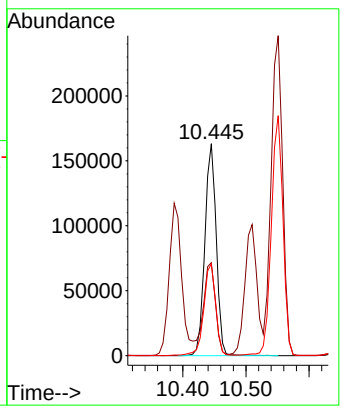


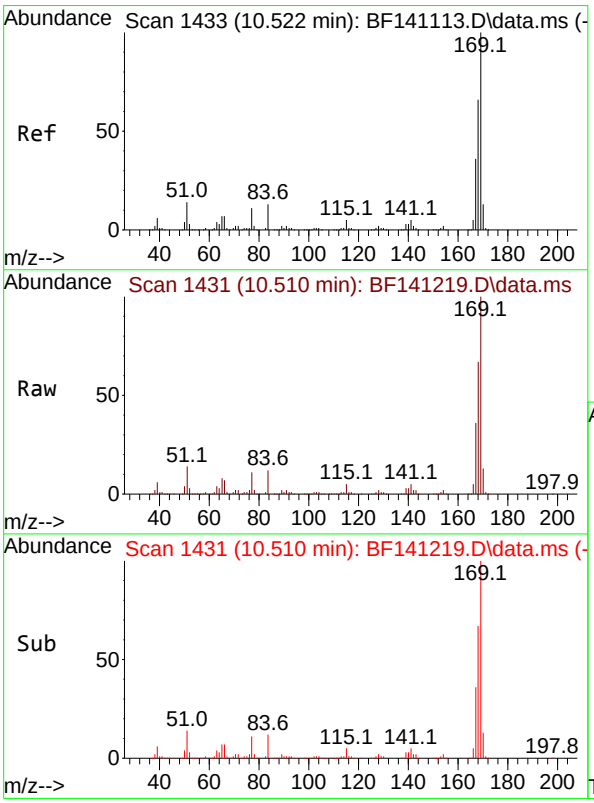
#65
4,6-Dinitro-2-methylphenol
Concen: 60.806 ng
RT: 10.445 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Tgt Ion:198 Resp: 205269

Ion	Ratio	Lower	Upper
198	100		
51	43.9	27.1	67.1
105	43.4	24.2	64.2

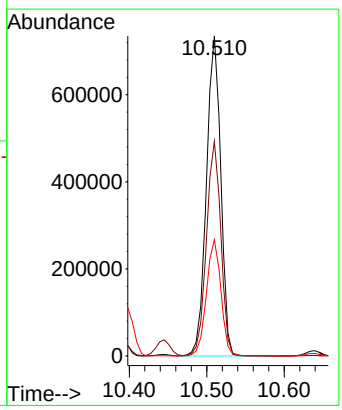


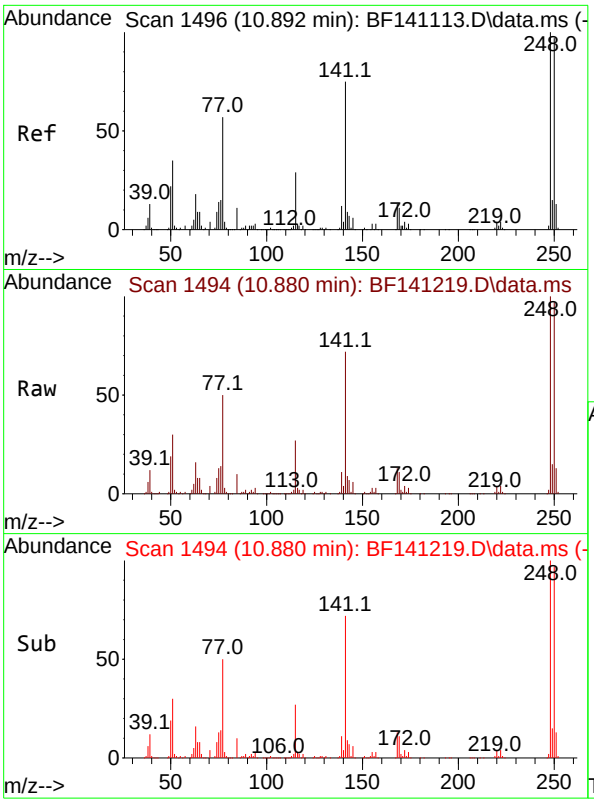


#66
n-Nitrosodiphenylamine
Concen: 50.246 ng
RT: 10.510 min Scan# 1431
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:169 Resp: 944135

Ion	Ratio	Lower	Upper
169	100		
168	67.1	52.5	78.7
167	36.4	28.9	43.3



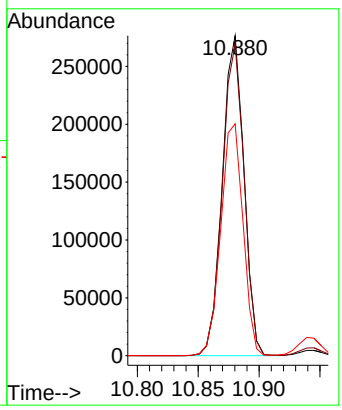


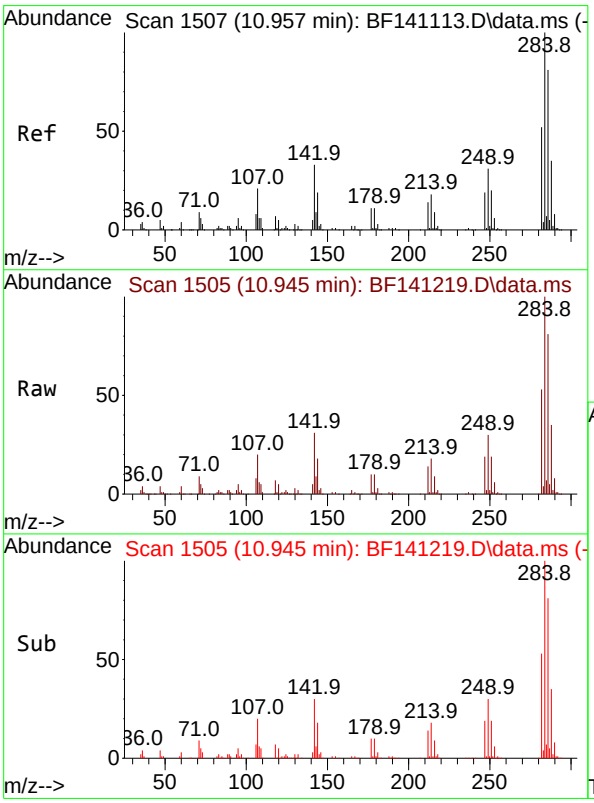
#67
4-Bromophenyl-phenylether
Concen: 51.178 ng
RT: 10.880 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Tgt Ion:248 Resp: 343255

Ion	Ratio	Lower	Upper
248	100		
250	97.4	77.9	116.9
141	72.4	59.9	89.9

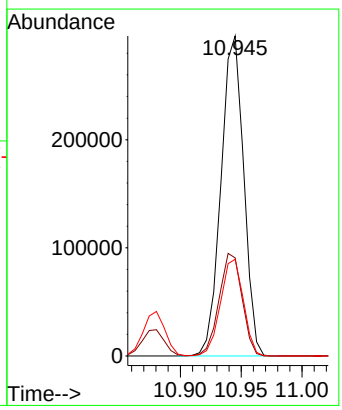


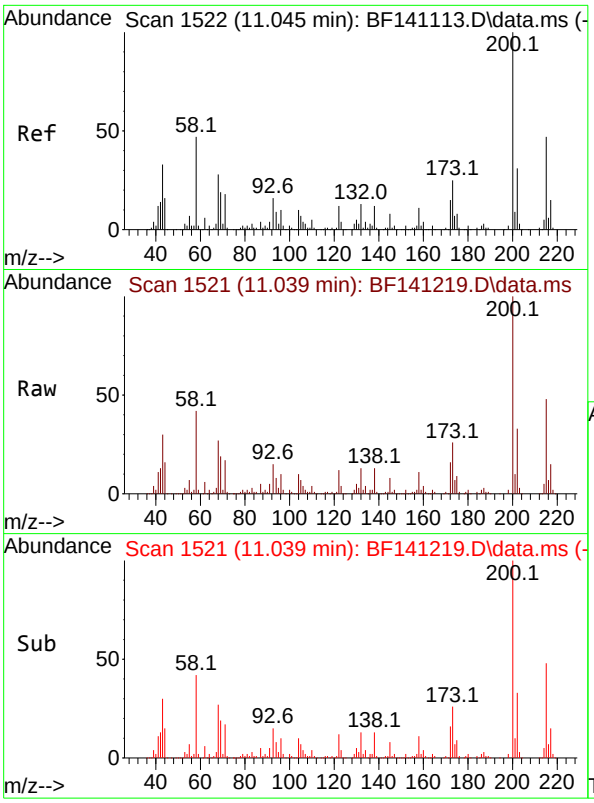


#68
Hexachlorobenzene
Concen: 51.556 ng
RT: 10.945 min Scan# 1505
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:284 Resp: 384926

Ion	Ratio	Lower	Upper
284	100		
142	30.6	26.3	39.5
249	30.2	24.9	37.3



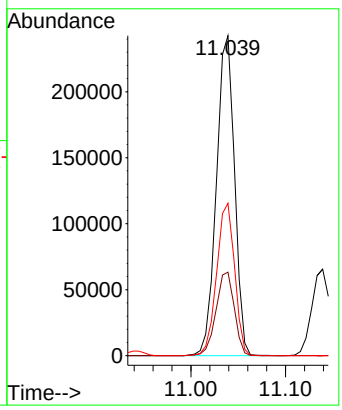


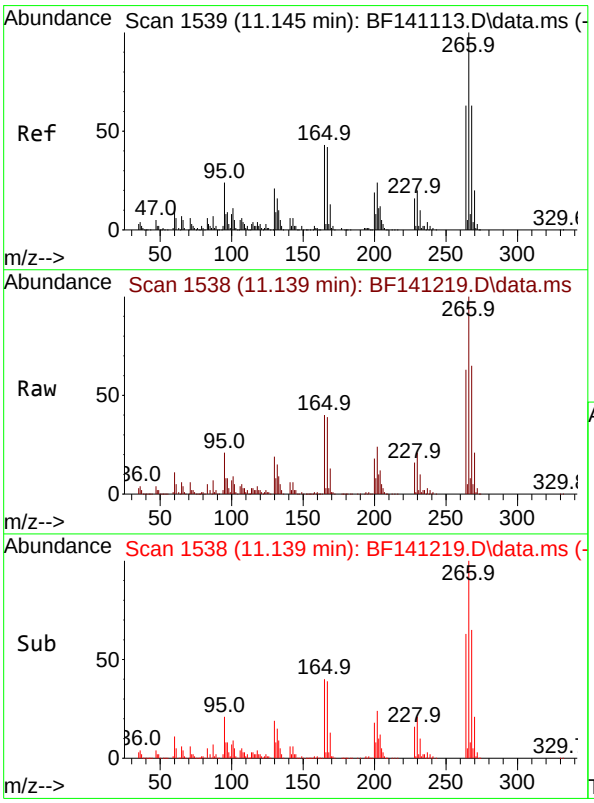
#69
Atrazine
Concen: 63.889 ng
RT: 11.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Tgt Ion:200 Resp: 323244

Ion	Ratio	Lower	Upper
200	100		
173	26.1	5.4	45.4
215	47.6	26.6	66.6

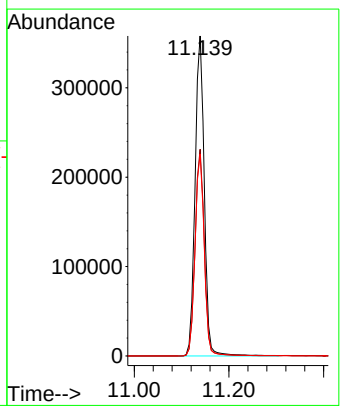


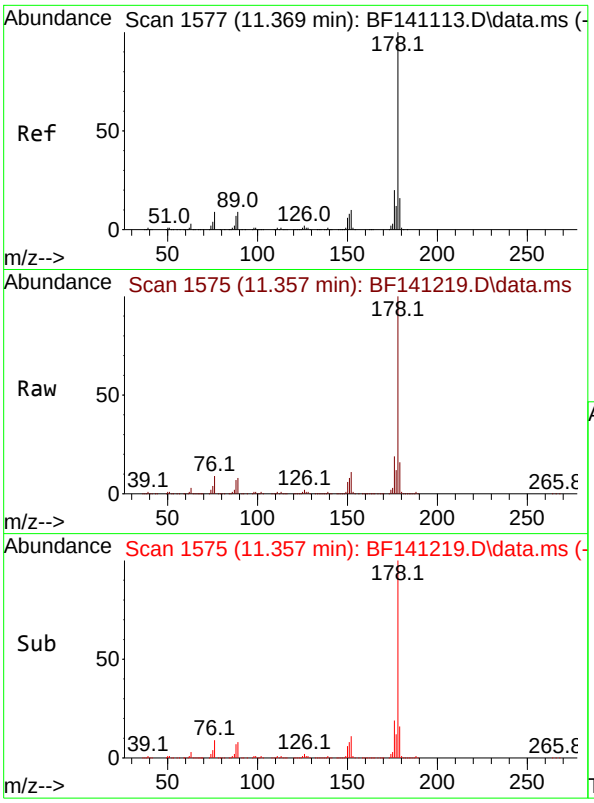


#70
Pentachlorophenol
Concen: 101.419 ng
RT: 11.139 min Scan# 1538
Delta R.T. -0.006 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:266 Resp: 484924

Ion	Ratio	Lower	Upper
266	100		
268	64.6	50.4	75.6
264	63.2	50.2	75.2



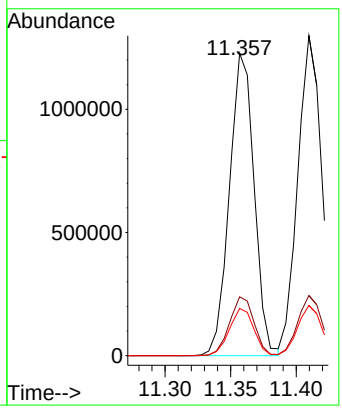


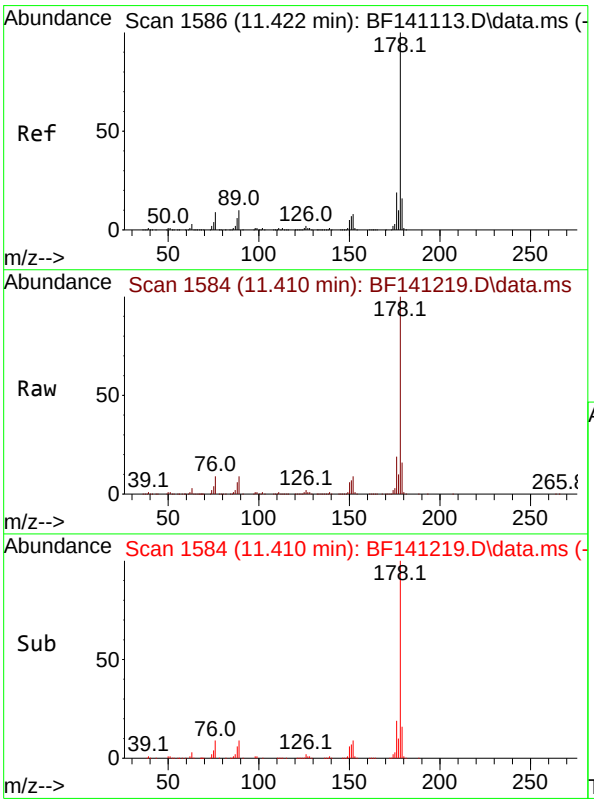
#71
Phenanthrene
Concen: 51.581 ng
RT: 11.357 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Tgt Ion:178 Resp: 1613241

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.7	23.5
179	15.6	12.6	19.0

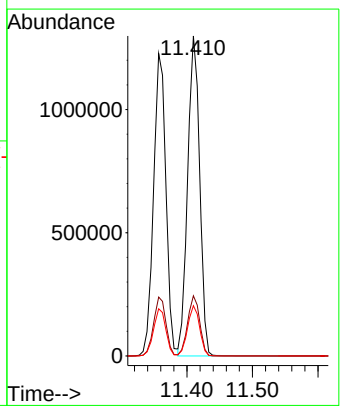


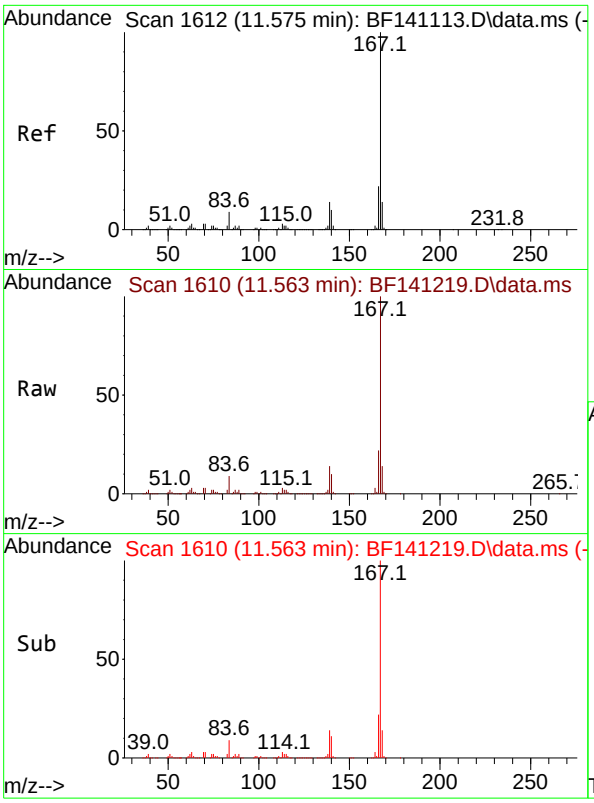


#72
Anthracene
Concen: 54.062 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:178 Resp: 1644084

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.9	22.3
179	15.7	12.6	19.0



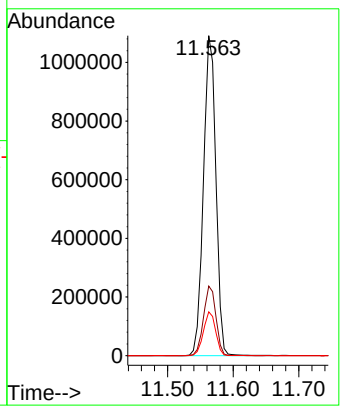


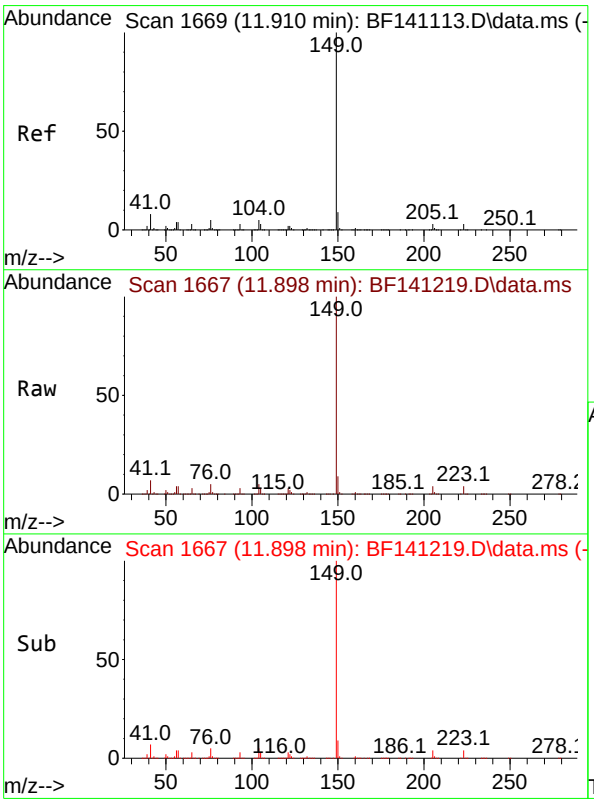
#73
Carbazole
Concen: 51.706 ng
RT: 11.563 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Tgt Ion:167 Resp: 1441828

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.4	26.2
139	13.7	10.9	16.3

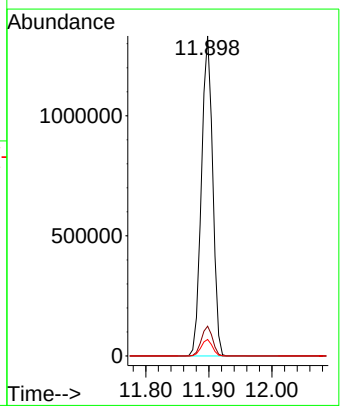


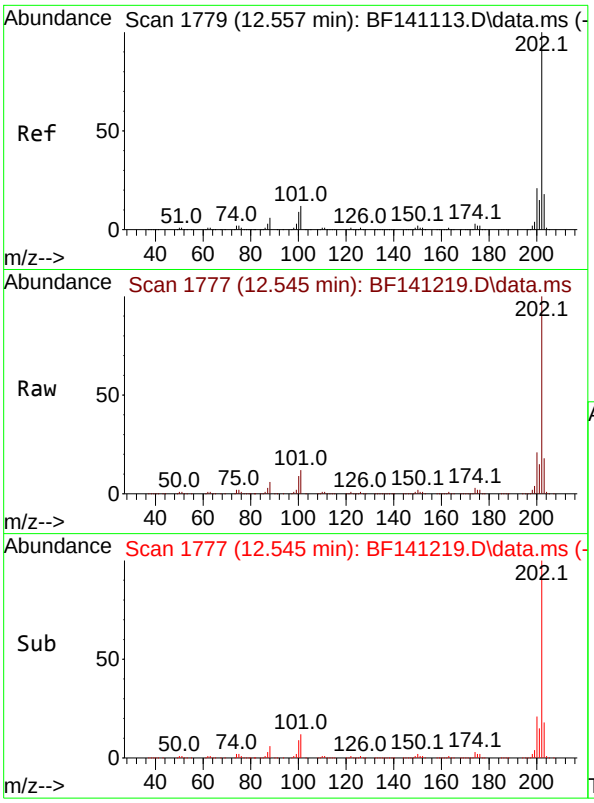


#74
Di-n-butylphthalate
Concen: 51.535 ng
RT: 11.898 min Scan# 1667
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:149 Resp: 1644597

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	5.2	4.2	6.2



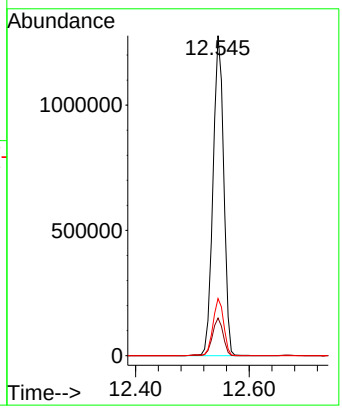


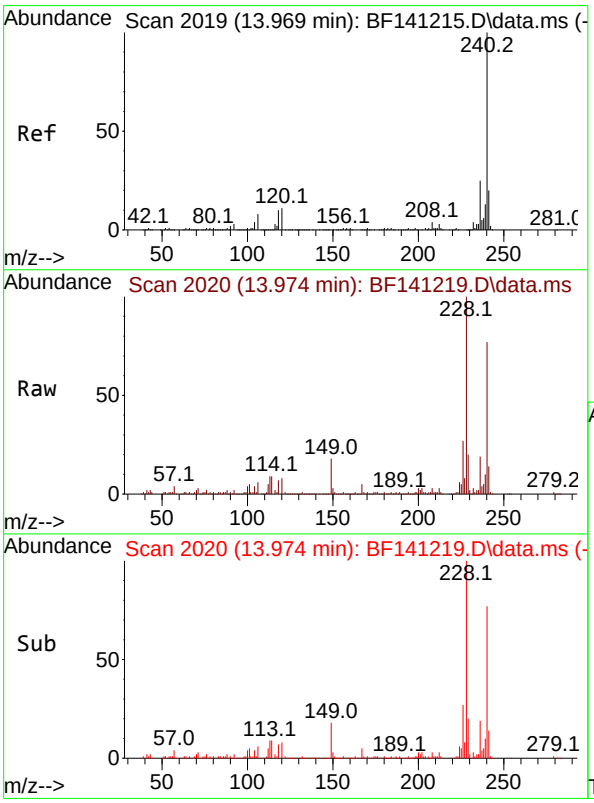
#75
Fluoranthene
Concen: 53.341 ng
RT: 12.545 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Tgt Ion:202 Resp: 1664799

Ion	Ratio	Lower	Upper
202	100		
101	11.8	0.0	32.3
203	17.8	0.0	37.7

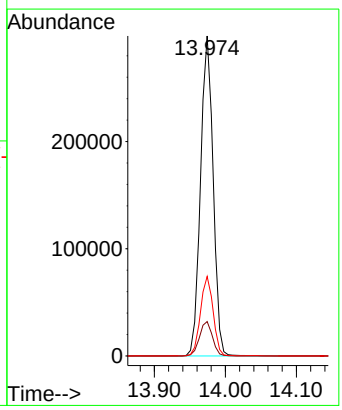


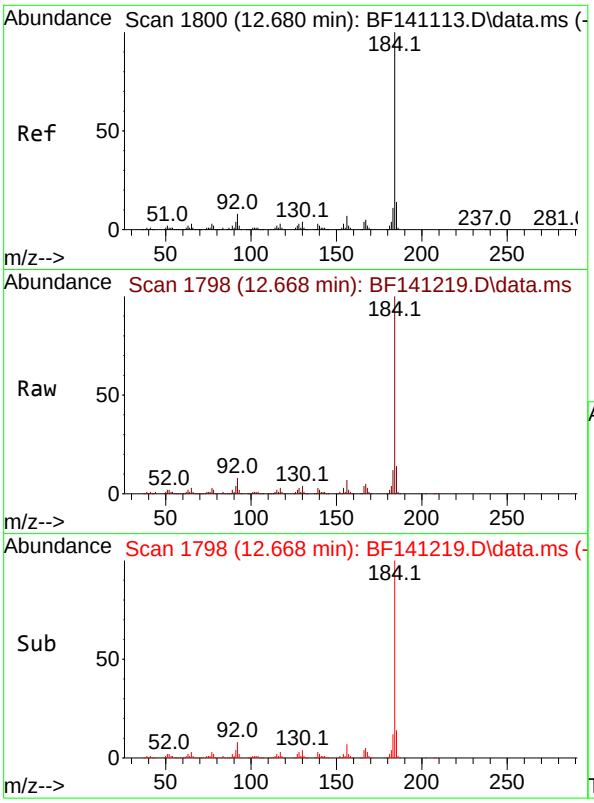


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:240 Resp: 369711

Ion	Ratio	Lower	Upper
240	100		
120	10.7	9.1	13.7
236	24.9	19.8	29.6



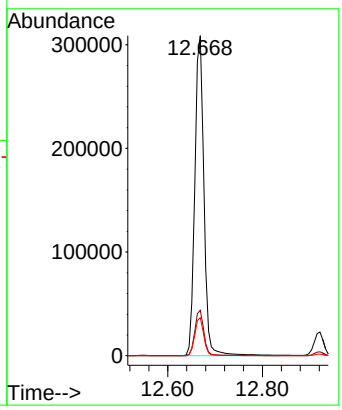


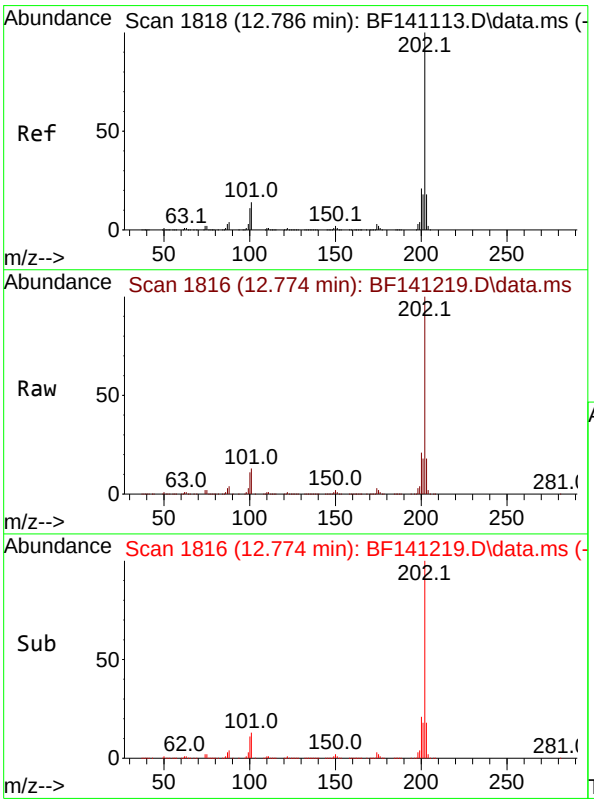
#77
Benzidine
Concen: 60.302 ng
RT: 12.668 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Tgt Ion:184 Resp: 413432

Ion	Ratio	Lower	Upper
184	100		
185	14.2	11.4	17.0
183	11.8	9.2	13.8

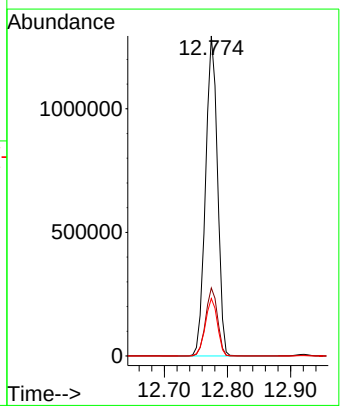


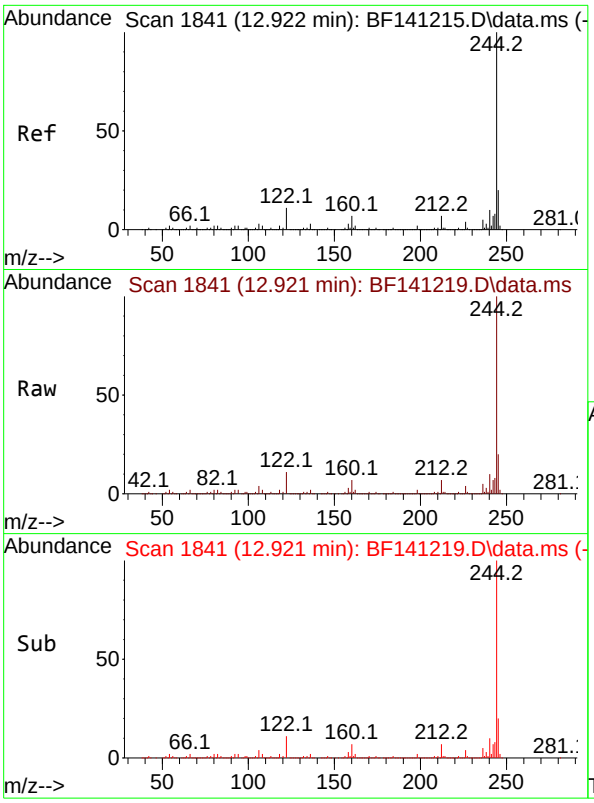


#78
Pyrene
Concen: 48.033 ng
RT: 12.774 min Scan# 1816
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:202 Resp: 1696152

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.8	25.2
203	17.9	14.3	21.5



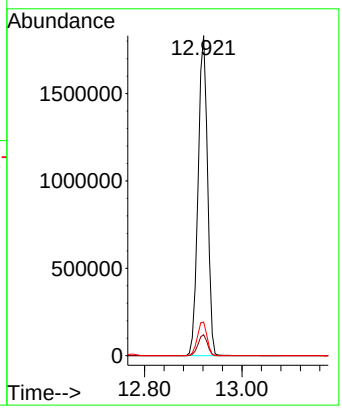


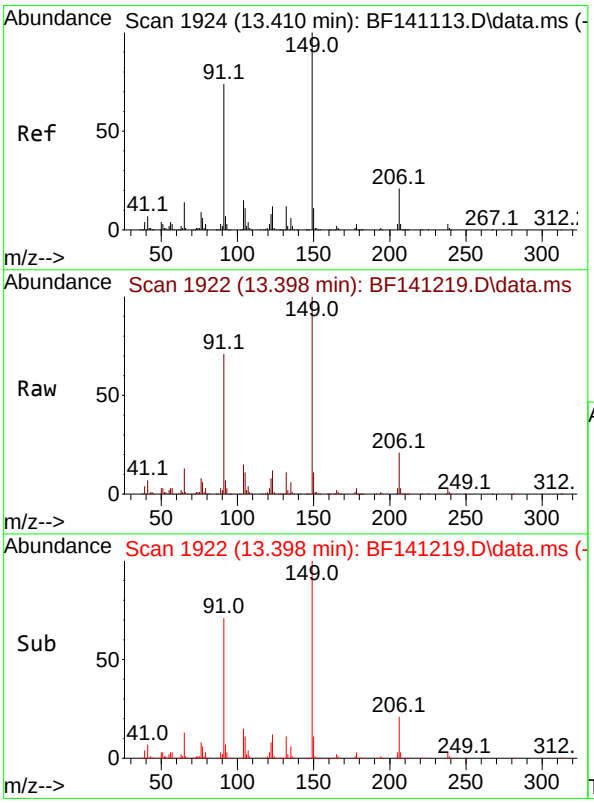
#79
Terphenyl-d14
Concen: 99.321 ng
RT: 12.921 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Tgt Ion:244 Resp: 2470572

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.2
122	10.5	8.8	13.2

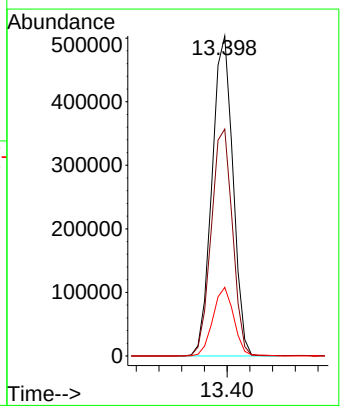


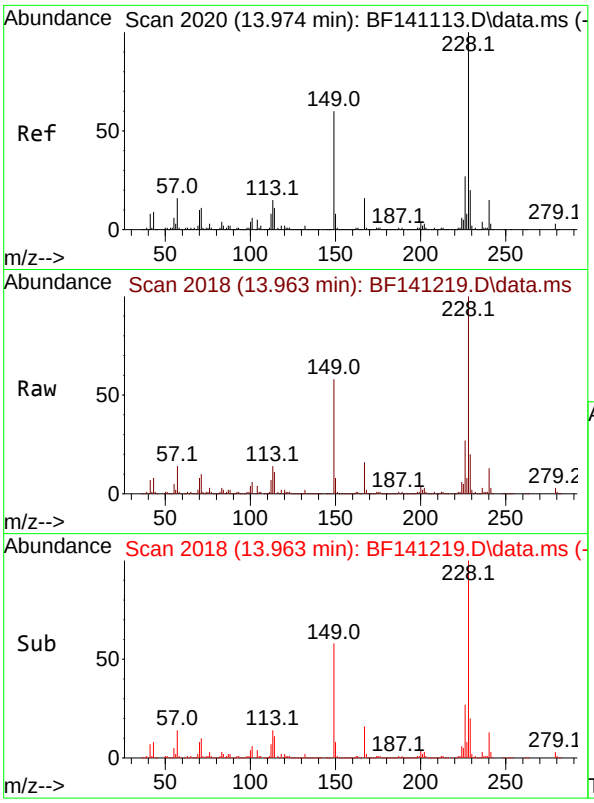


#80
Butylbenzylphthalate
Concen: 54.821 ng
RT: 13.398 min Scan# 1922
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:149 Resp: 645425

Ion	Ratio	Lower	Upper
149	100		
91	70.9	59.0	88.6
206	21.5	16.5	24.7



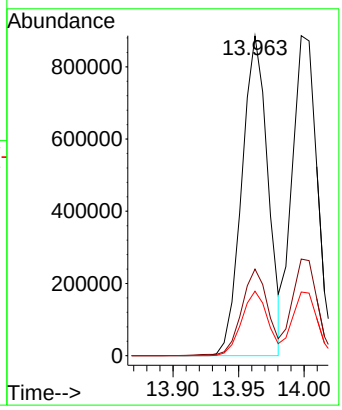


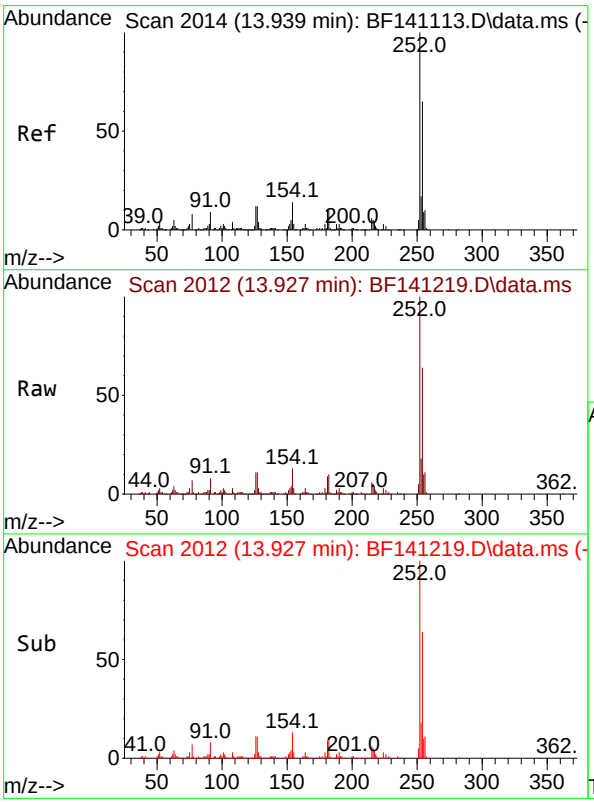
#81
Benzo(a)anthracene
Concen: 48.727 ng
RT: 13.963 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Tgt Ion:228 Resp: 1226022

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.7	32.5
229	20.2	15.7	23.5

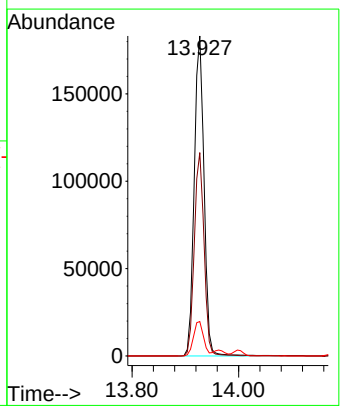


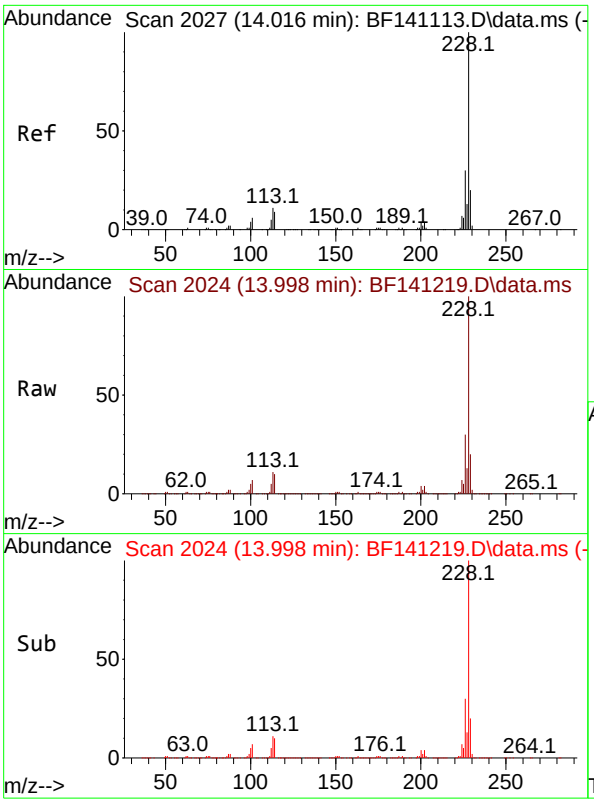


#82
3,3'-Dichlorobenzidine
Concen: 29.221 ng
RT: 13.927 min Scan# 2012
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:252 Resp: 234111

Ion	Ratio	Lower	Upper
252	100		
254	63.6	52.0	78.0
126	10.7	9.4	14.0



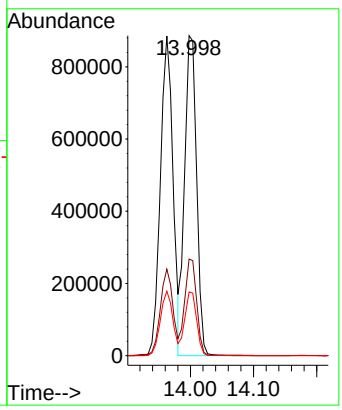


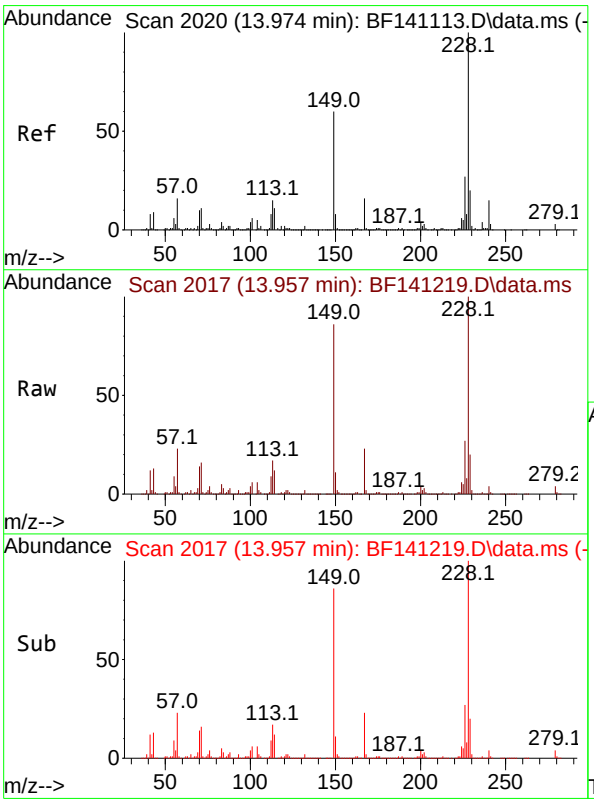
#83
Chrysene
Concen: 49.843 ng
RT: 13.998 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Tgt Ion:228 Resp: 1173460

Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.8	35.8
229	19.9	15.8	23.8

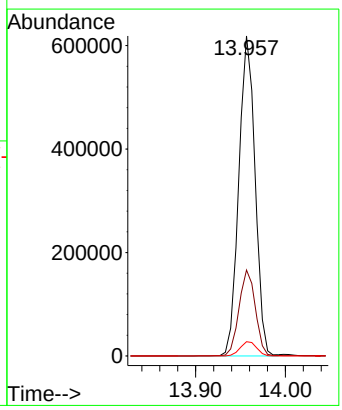


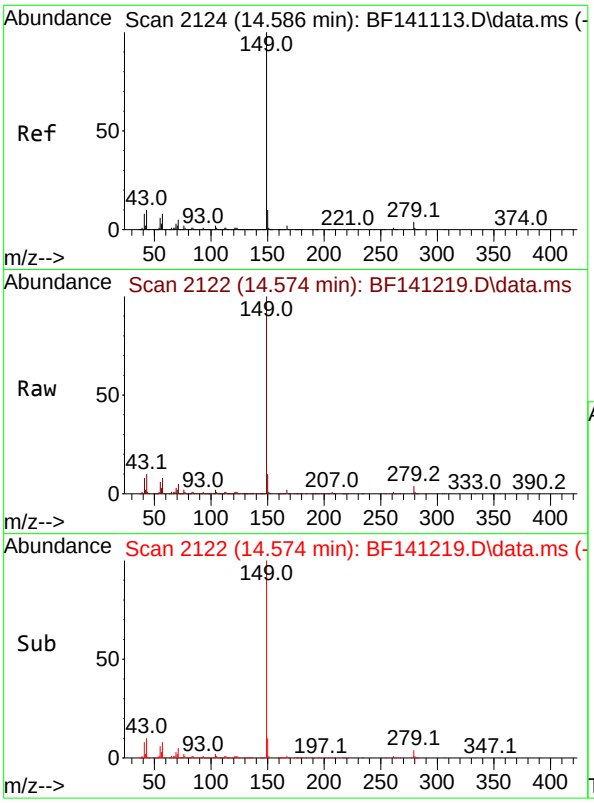


#84
Bis(2-ethylhexyl)phthalate
Concen: 55.141 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.018 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:149 Resp: 778945

Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.4	32.2
279	4.5	3.4	5.2



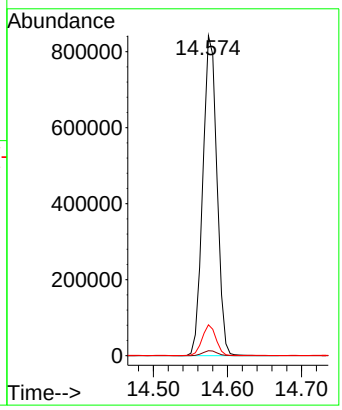


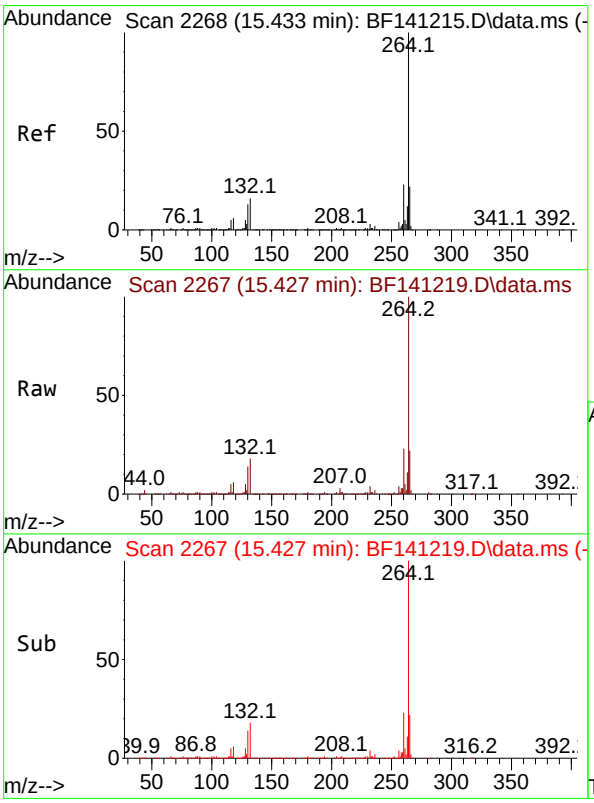
#85
Di-n-octyl phthalate
Concen: 52.245 ng
RT: 14.574 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Tgt Ion:149 Resp: 1114477

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	9.3	8.4	12.6

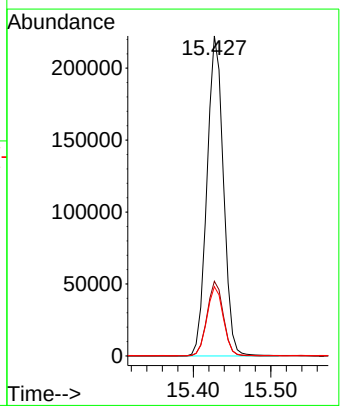


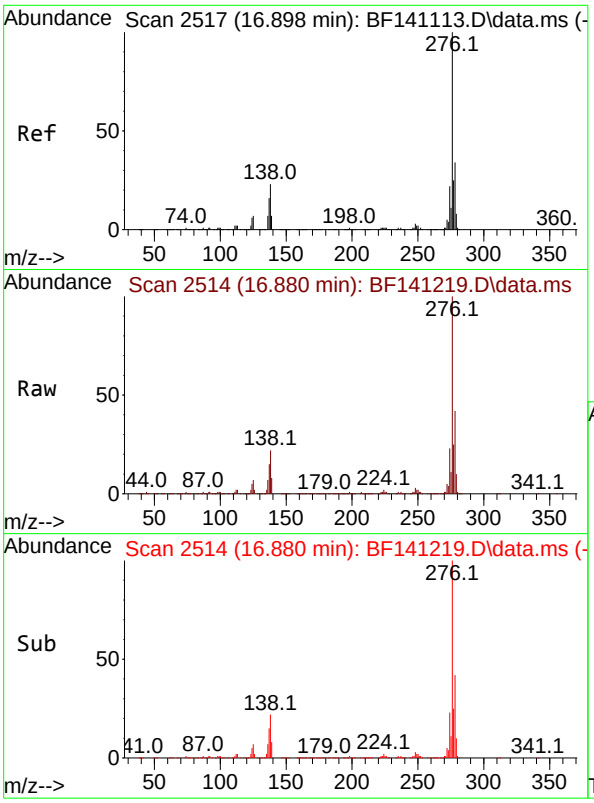


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.427 min Scan# 2267
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:264 Resp: 327689

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	21.6	17.4	26.0



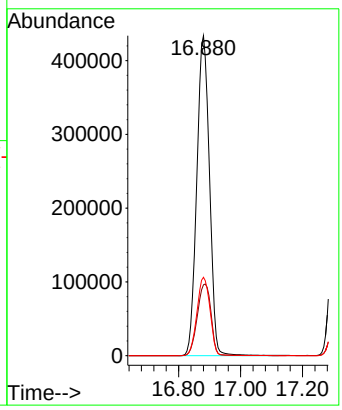


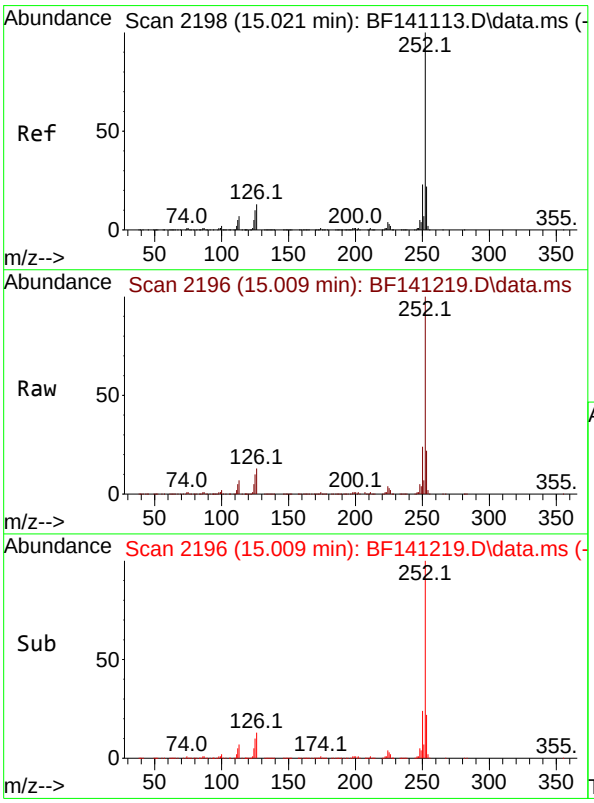
#87
Indeno(1,2,3-cd)pyrene
Concen: 51.296 ng
RT: 16.880 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Tgt Ion:276 Resp: 1231486

Ion	Ratio	Lower	Upper
276	100		
138	24.1	20.7	31.1
277	25.3	20.6	30.8

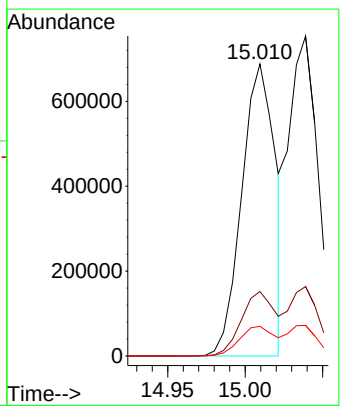


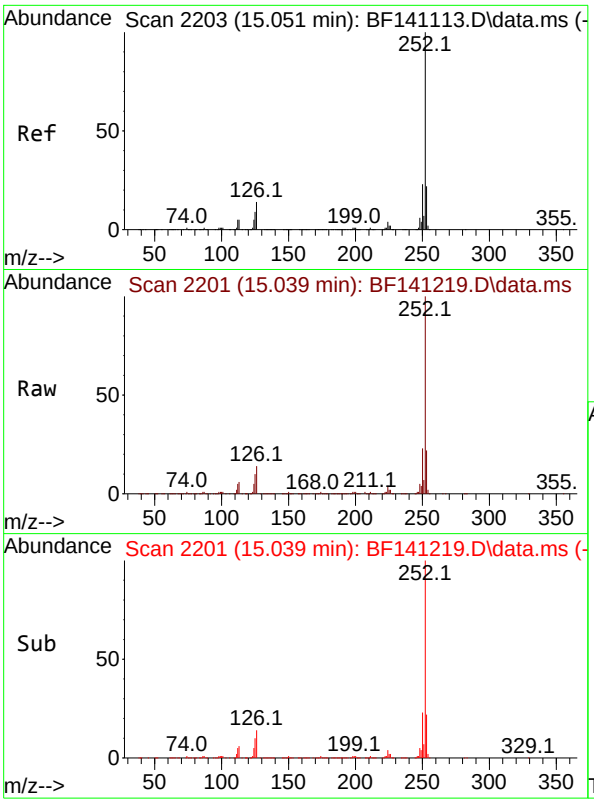


#88
Benzo(b)fluoranthene
Concen: 48.808 ng
RT: 15.009 min Scan# 2196
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:252 Resp: 1031329

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.6
125	10.2	8.1	12.1



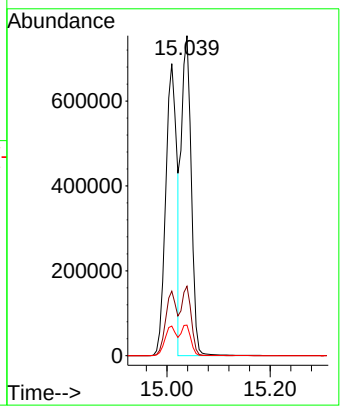


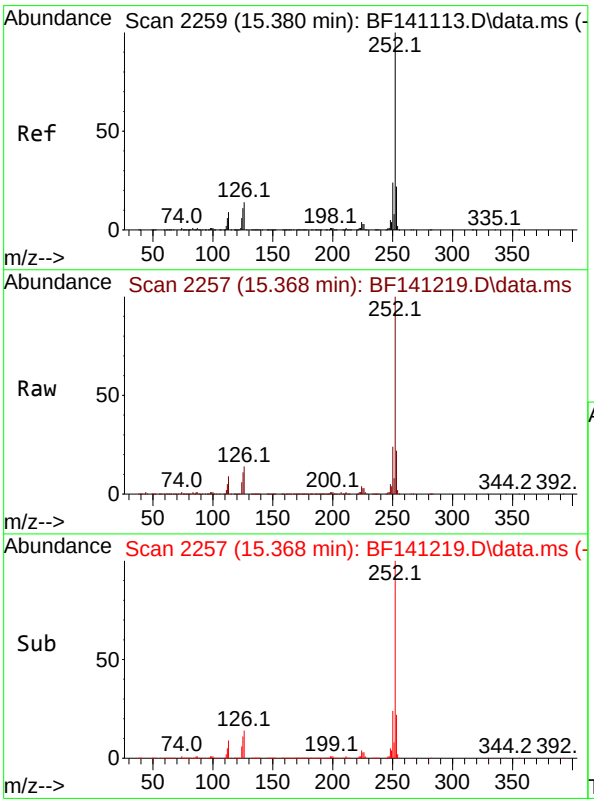
#89
Benzo(k)fluoranthene
Concen: 56.053 ng
RT: 15.039 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Tgt Ion:252 Resp: 1000935

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.8
125	9.5	7.9	11.9

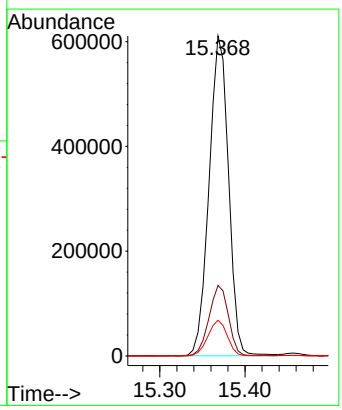


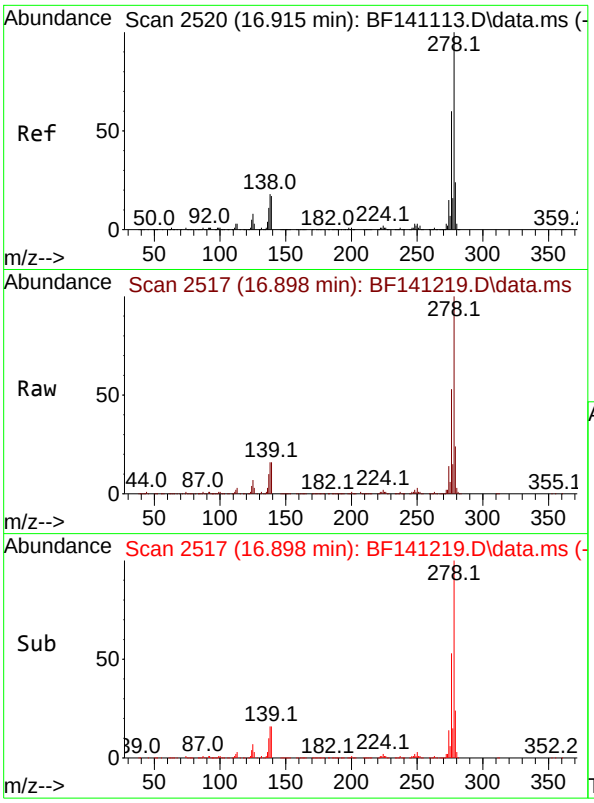


#90
Benzo(a)pyrene
Concen: 55.533 ng
RT: 15.368 min Scan# 2257
Delta R.T. -0.012 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:252 Resp: 968156

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	11.1	9.1	13.7



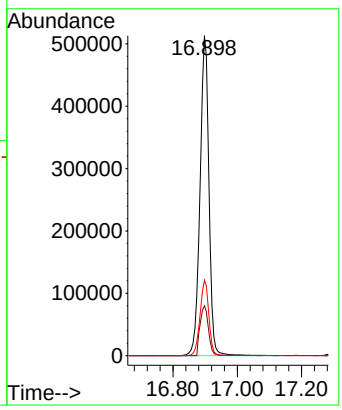


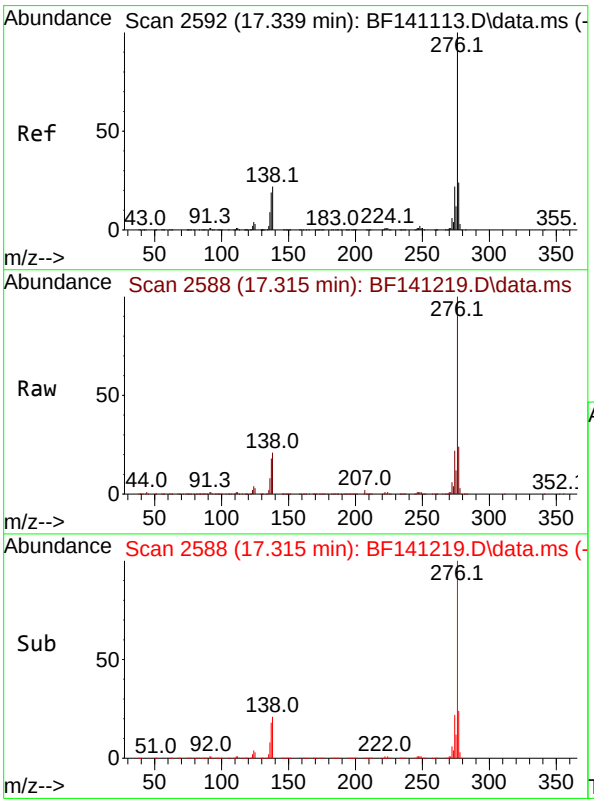
#91
Dibenzo(a,h)anthracene
Concen: 50.838 ng
RT: 16.898 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Instrument :
BNA_F
ClientSampleId :
PB166117BSD

Tgt Ion:278 Resp: 987145

Ion	Ratio	Lower	Upper
278	100		
139	15.6	13.8	20.6
279	23.6	19.1	28.7

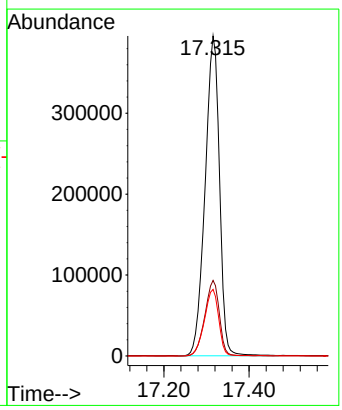




#92
Benzo(g,h,i)perylene
Concen: 45.848 ng
RT: 17.315 min Scan# 2588
Delta R.T. -0.024 min
Lab File: BF141219.D
Acq: 20 Jan 2025 13:41

Tgt Ion:276 Resp: 925984

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.0	28.4
138	20.8	17.4	26.2



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141226.D
Acq On : 20 Jan 2025 16:58
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Quant Time: Jan 20 17:26:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.816	152	179869	20.000	ng		0.00
21) Naphthalene-d8	8.098	136	690448	20.000	ng		0.00
39) Acenaphthene-d10	9.851	164	373975	20.000	ng		-0.01
64) Phenanthrene-d10	11.333	188	599666	20.000	ng		-0.01
76) Chrysene-d12	13.974	240	324852	20.000	ng		-0.01
86) Perylene-d12	15.433	264	361185	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.422	112	885278	76.032	ng		0.00
7) Phenol-d6	6.445	99	1128624	76.522	ng		0.00
23) Nitrobenzene-d5	7.381	82	1031110	79.162	ng		0.00
42) 2,4,6-Tribromophenol	10.639	330	351047	82.382	ng		-0.01
45) 2-Fluorobiphenyl	9.169	172	1881019	76.807	ng		-0.01
79) Terphenyl-d14	12.922	244	1769223	80.948	ng		-0.01
Target Compounds							Qvalue
2) 1,4-Dioxane	2.516	88	189004	36.452	ng		97
3) Pyridine	3.252	79	456738	35.921	ng		96
4) n-Nitrosodimethylamine	3.204	42	229481	36.911	ng		98
6) Aniline	6.475	93	434854	33.209	ng	#	82
8) 2-Chlorophenol	6.598	128	486067	38.910	ng		99
9) Benzaldehyde	6.363	77	423014	48.697	ng		98
10) Phenol	6.463	94	596283	37.768	ng		89
11) bis(2-Chloroethyl)ether	6.551	93	458466	38.965	ng		97
12) 1,3-Dichlorobenzene	6.751	146	542781	38.958	ng		99
13) 1,4-Dichlorobenzene	6.834	146	553857	39.449	ng		100
14) 1,2-Dichlorobenzene	6.987	146	511297	39.041	ng		98
15) Benzyl Alcohol	6.957	79	416409	39.095	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.092	45	595626	36.277	ng		96
17) 2-Methylphenol	7.069	107	390478	38.717	ng		99
18) Hexachloroethane	7.328	117	202959	39.974	ng		96
19) n-Nitroso-di-n-propyla...	7.228	70	328165	37.772	ng		98
20) 3+4-Methylphenols	7.222	107	478810	37.631	ng	#	81
22) Acetophenone	7.222	105	632710	38.548	ng	#	94
24) Nitrobenzene	7.398	77	530659	39.091	ng		99
25) Isophorone	7.634	82	873539	39.243	ng		99
26) 2-Nitrophenol	7.710	139	264347	42.808	ng		98
27) 2,4-Dimethylphenol	7.751	122	306934	36.850	ng		98
28) bis(2-Chloroethoxy)met...	7.845	93	558706	39.994	ng		99
29) 2,4-Dichlorophenol	7.951	162	408357	41.280	ng		99
30) 1,2,4-Trichlorobenzene	8.039	180	454846	40.225	ng		100
31) Naphthalene	8.122	128	1433429	39.368	ng		100
32) Benzoic acid	7.869	122	351844	44.035	ng		97
33) 4-Chloroaniline	8.169	127	427968	33.986	ng		99
34) Hexachlorobutadiene	8.234	225	279699	41.051	ng		99
35) Caprolactam	8.539	113	128266	39.604	ng		99
36) 4-Chloro-3-methylphenol	8.645	107	431130	39.850	ng		99
37) 2-Methylnaphthalene	8.804	142	919216	39.617	ng		99
38) 1-Methylnaphthalene	8.904	142	895599	39.166	ng		99
40) 1,2,4,5-Tetrachloroben...	8.969	216	422785	39.388	ng		99
41) Hexachlorocyclopentadiene	8.957	237	145116	41.323	ng		99
43) 2,4,6-Trichlorophenol	9.081	196	290635	40.147	ng		99

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141226.D
Acq On : 20 Jan 2025 16:58
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Quant Time: Jan 20 17:26:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.122	196	307586	40.231	ng	98
46) 1,1'-Biphenyl	9.269	154	1116612	38.447	ng	100
47) 2-Chloronaphthalene	9.298	162	872286	38.561	ng	99
48) 2-Nitroaniline	9.392	65	257010	38.328	ng	98
49) Acenaphthylene	9.710	152	1234547	38.200	ng	99
50) Dimethylphthalate	9.575	163	975349	38.849	ng	100
51) 2,6-Dinitrotoluene	9.633	165	232680	39.853	ng	99
52) Acenaphthene	9.881	154	880373	38.990	ng	100
53) 3-Nitroaniline	9.798	138	222710	37.537	ng	98
54) 2,4-Dinitrophenol	9.904	184	125075	45.070	ng	93
55) Dibenzofuran	10.057	168	1174545	38.244	ng	99
56) 4-Nitrophenol	9.957	139	172418	37.107	ng	97
57) 2,4-Dinitrotoluene	10.033	165	304507	40.471	ng	99
58) Fluorene	10.398	166	911591	38.205	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.169	232	247744	38.983	ng	100
60) Diethylphthalate	10.269	149	949655	38.745	ng	100
61) 4-Chlorophenyl-phenyle...	10.392	204	462094	39.736	ng	99
62) 4-Nitroaniline	10.410	138	219093	37.729	ng	97
63) Azobenzene	10.551	77	907541	37.525	ng	99
65) 4,6-Dinitro-2-methylph...	10.445	198	169564	48.797	ng	95
66) n-Nitrosodiphenylamine	10.510	169	788748	40.779	ng	99
67) 4-Bromophenyl-phenylether	10.880	248	292327	42.342	ng	99
68) Hexachlorobenzene	10.945	284	328024	42.682	ng	98
69) Atrazine	11.033	200	237477	45.599	ng	100
70) Pentachlorophenol	11.139	266	210825	42.835	ng	99
71) Phenanthrene	11.357	178	1293007	40.163	ng	100
72) Anthracene	11.410	178	1257400	40.167	ng	100
73) Carbazole	11.563	167	1124089	39.162	ng	100
74) Di-n-butylphthalate	11.898	149	1372194	41.773	ng	99
75) Fluoranthene	12.545	202	1270545	39.548	ng	99
77) Benzidine	12.669	184	205920	34.182	ng	99
78) Pyrene	12.774	202	1241696	40.019	ng	100
80) Butylbenzylphthalate	13.398	149	432936	41.851	ng	97
81) Benzo(a)anthracene	13.963	228	837402	37.878	ng	100
82) 3,3'-Dichlorobenzidine	13.927	252	277856	39.470	ng	97
83) Chrysene	13.998	228	801142	38.728	ng	99
84) Bis(2-ethylhexyl)phtha...	13.957	149	510246	41.108	ng	100
85) Di-n-octyl phthalate	14.580	149	790044	42.150	ng	99
87) Indeno(1,2,3-cd)pyrene	16.886	276	1050995	39.718	ng	98
88) Benzo(b)fluoranthene	15.015	252	855613	36.737	ng	99
89) Benzo(k)fluoranthene	15.045	252	764346	38.834	ng	100
90) Benzo(a)pyrene	15.374	252	751340	39.100	ng	99
91) Dibenzo(a,h)anthracene	16.909	278	858665	40.120	ng	98
92) Benzo(g,h,i)perylene	17.327	276	888516	39.913	ng	98

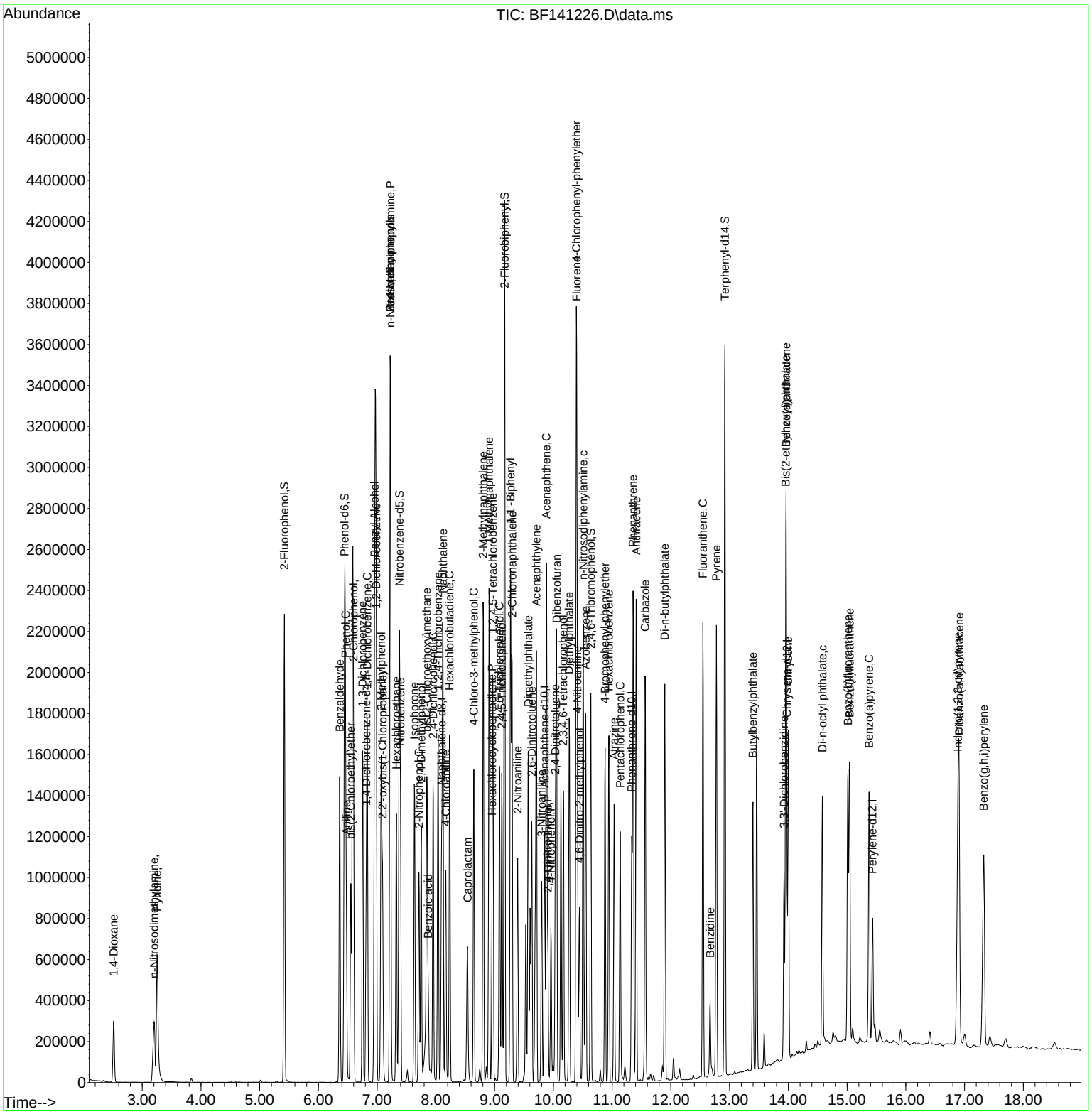
(#) = qualifier out of range (m) = manual integration (+) = signals summed

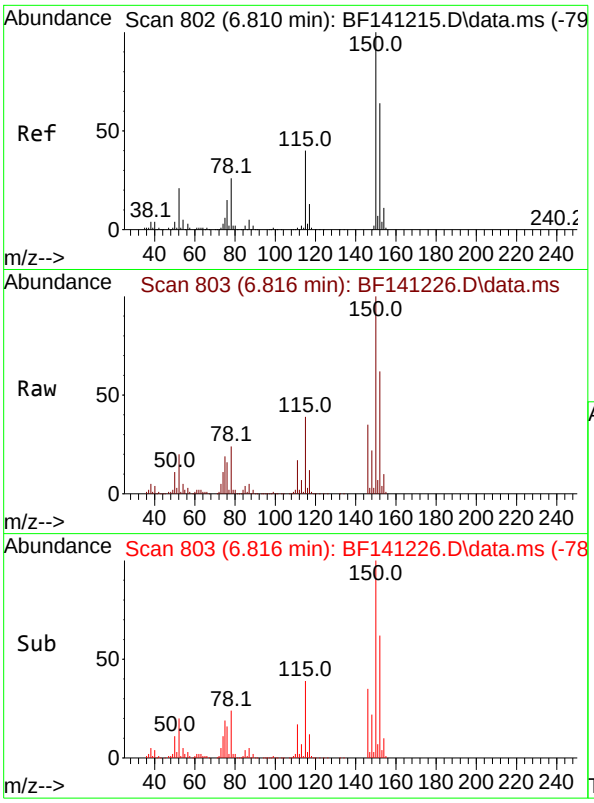
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012025\
Data File : BF141226.D
Acq On : 20 Jan 2025 16:58
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Quant Time: Jan 20 17:26:11 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 10 22:54:19 2025
Response via : Initial Calibration



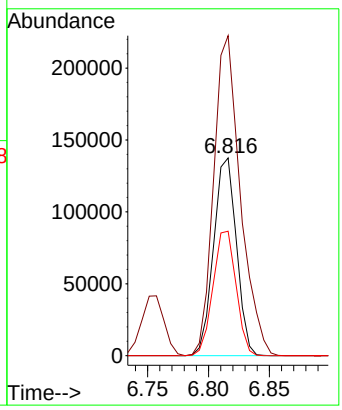


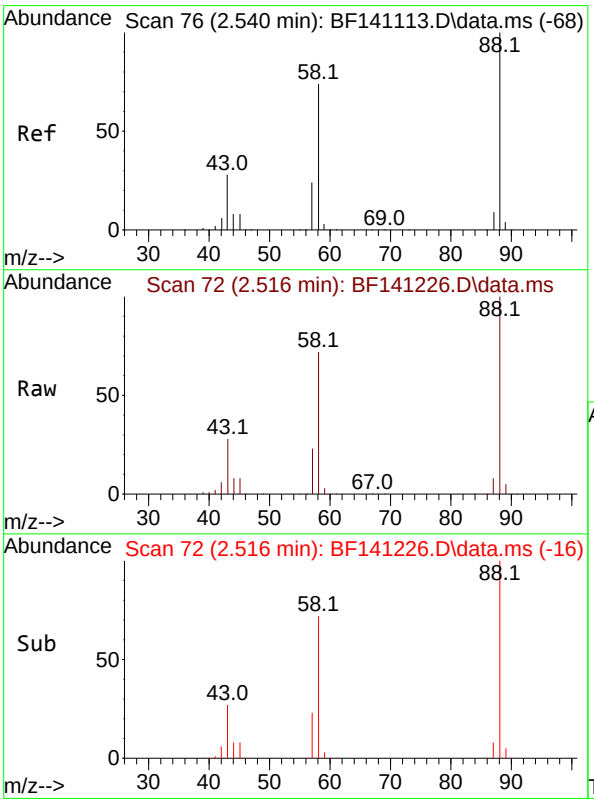
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.816 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:152 Resp: 179869

Ion	Ratio	Lower	Upper
152	100		
150	161.9	125.8	188.8
115	63.0	51.4	77.2

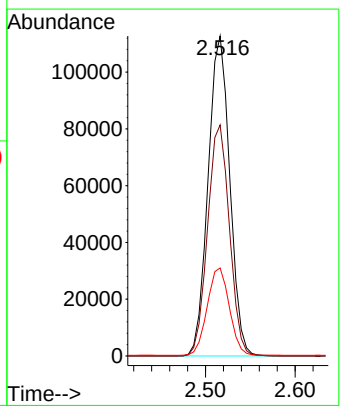


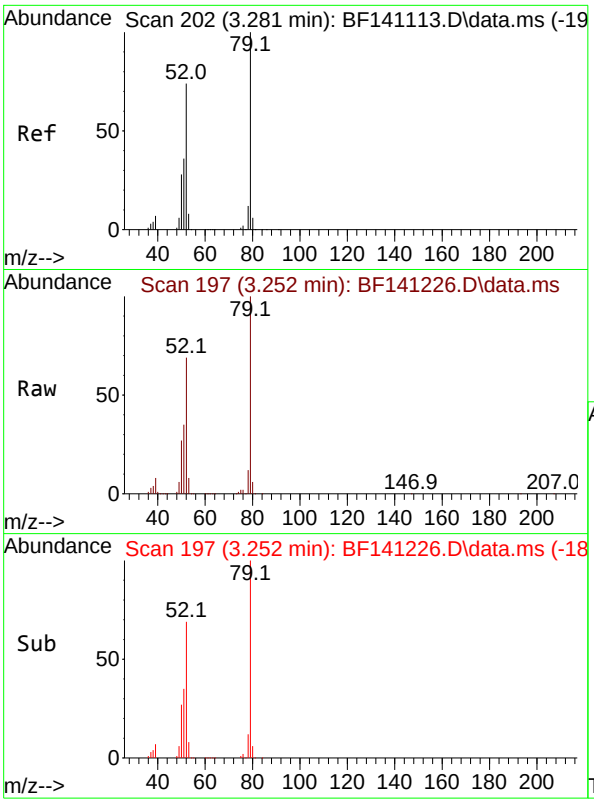


#2
1,4-Dioxane
Concen: 36.452 ng
RT: 2.516 min Scan# 72
Delta R.T. -0.024 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion: 88 Resp: 189004

Ion	Ratio	Lower	Upper
88	100		
58	72.7	60.1	90.1
43	27.9	23.1	34.7



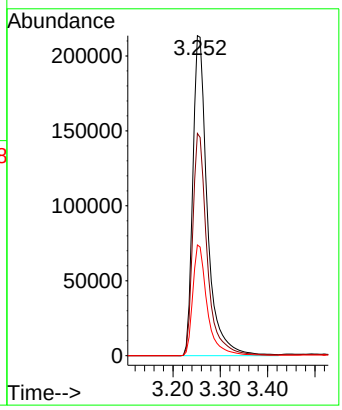


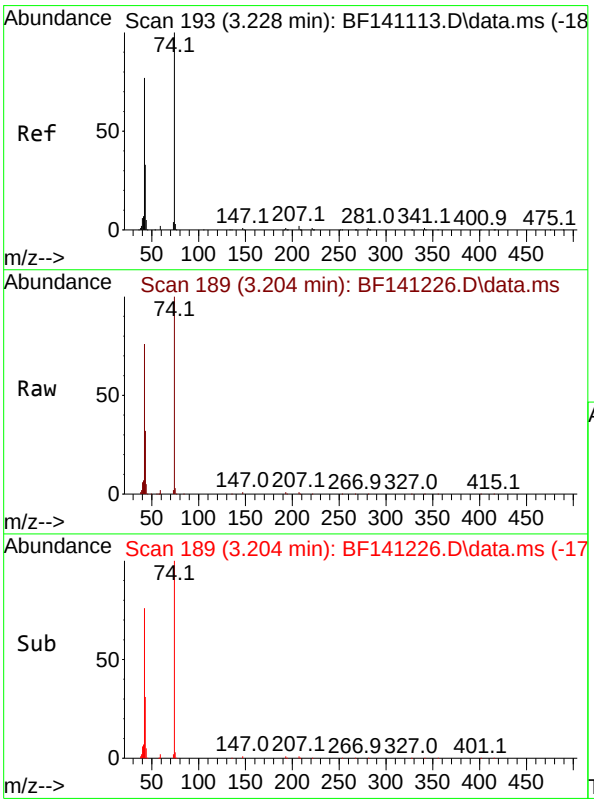
#3
Pyridine
Concen: 35.921 ng
RT: 3.252 min Scan# 1
Delta R.T. -0.029 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 79 Resp: 456738

Ion	Ratio	Lower	Upper
79	100		
52	69.5	58.9	88.3
51	34.6	29.1	43.7

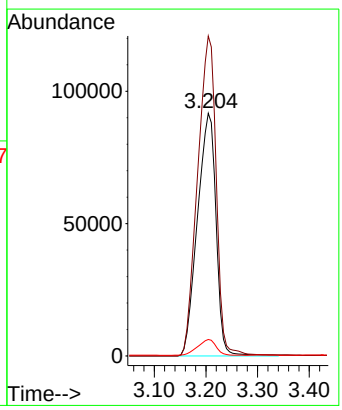


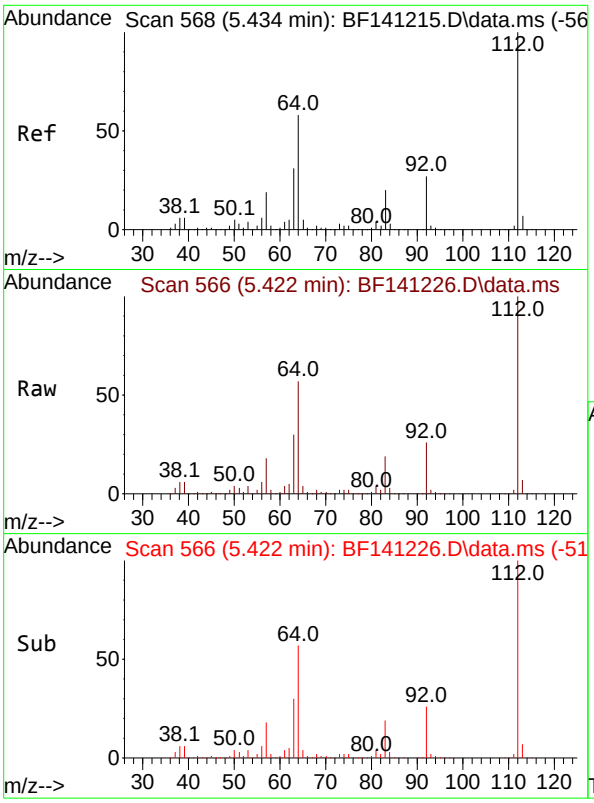


#4
n-Nitrosodimethylamine
Concen: 36.911 ng
RT: 3.204 min Scan# 189
Delta R.T. -0.024 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion: 42 Resp: 229481

Ion	Ratio	Lower	Upper
42	100		
74	131.9	103.8	155.6
44	6.8	5.3	7.9



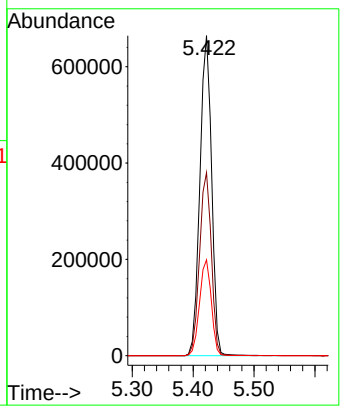


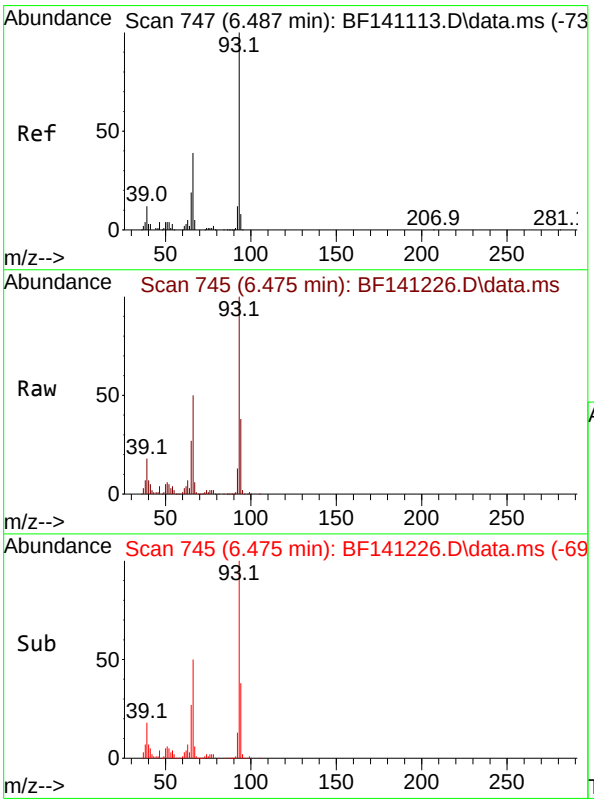
#5
2-Fluorophenol
Concen: 76.032 ng
RT: 5.422 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:112 Resp: 885278

Ion	Ratio	Lower	Upper
112	100		
64	57.2	47.3	70.9
63	29.9	24.2	36.2

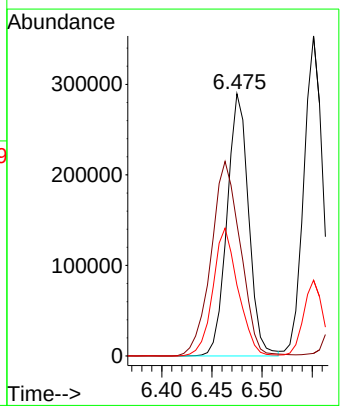


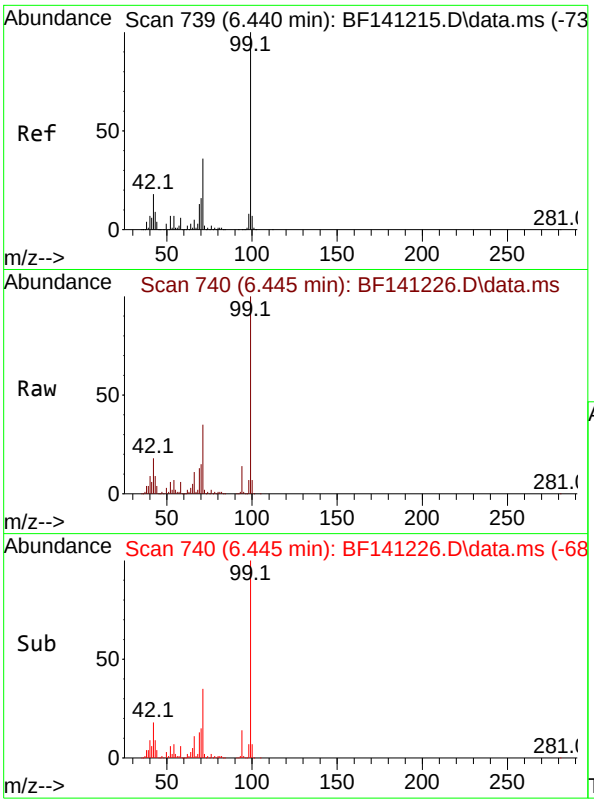


#6
Aniline
Concen: 33.209 ng
RT: 6.475 min Scan# 745
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion: 93 Resp: 434854

Ion	Ratio	Lower	Upper
93	100		
66	50.4	31.5	47.3#
65	27.0	15.3	22.9#



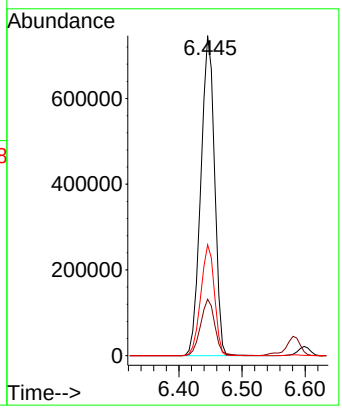


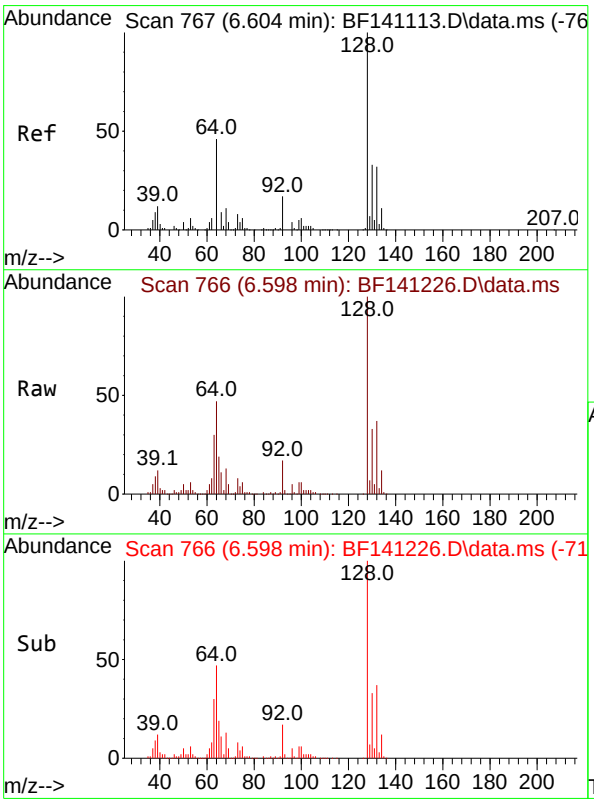
#7
Phenol-d6
Concen: 76.522 ng
RT: 6.445 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 99 Resp: 1128624

Ion	Ratio	Lower	Upper
99	100		
42	17.7	15.0	22.4
71	34.7	27.6	41.4

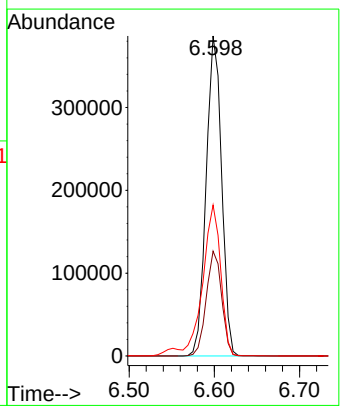


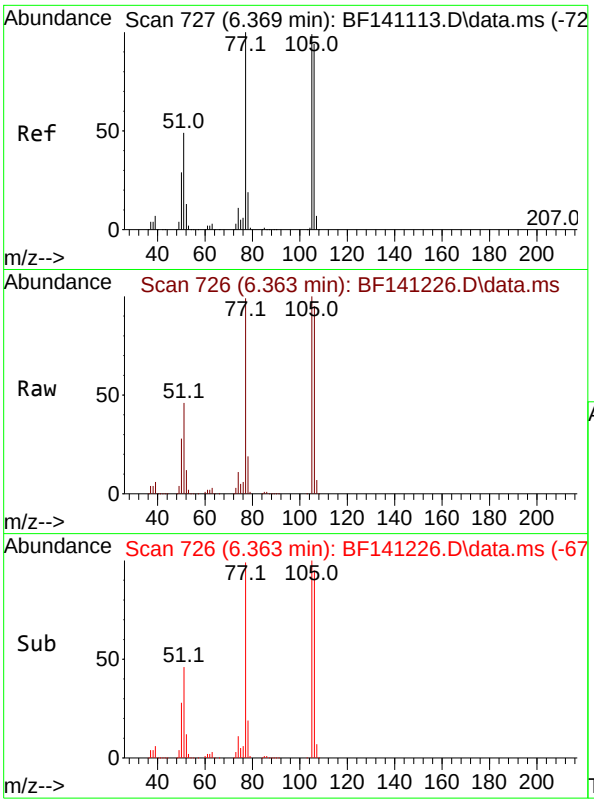


#8
2-Chlorophenol
Concen: 38.910 ng
RT: 6.598 min Scan# 766
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:128 Resp: 486067

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.5	52.5
64	47.1	28.3	68.3



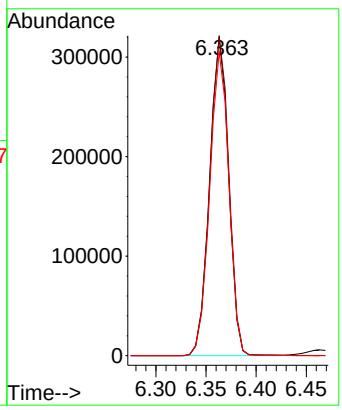


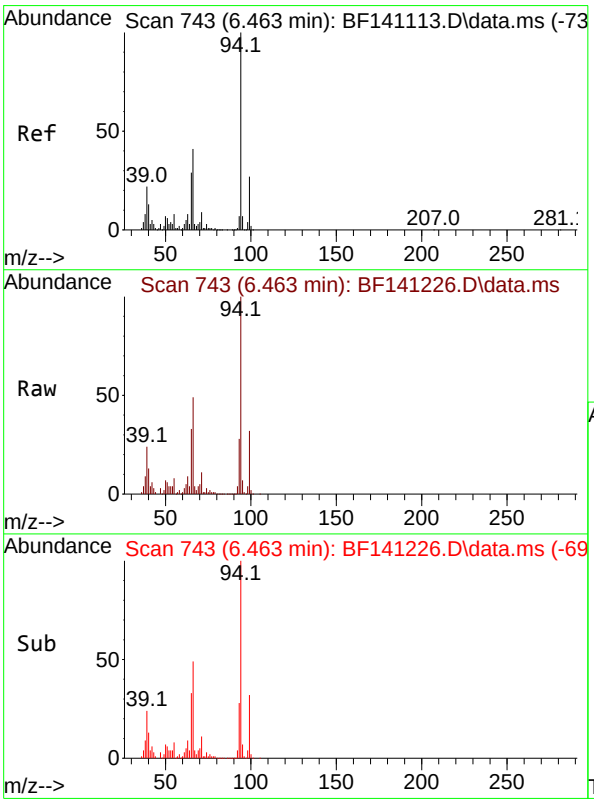
#9
Benzaldehyde
Concen: 48.697 ng
RT: 6.363 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 423014

Ion	Ratio	Lower	Upper
77	100		
105	100.6	78.9	118.9
106	95.5	73.6	113.6

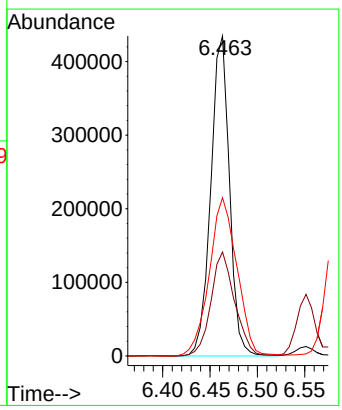


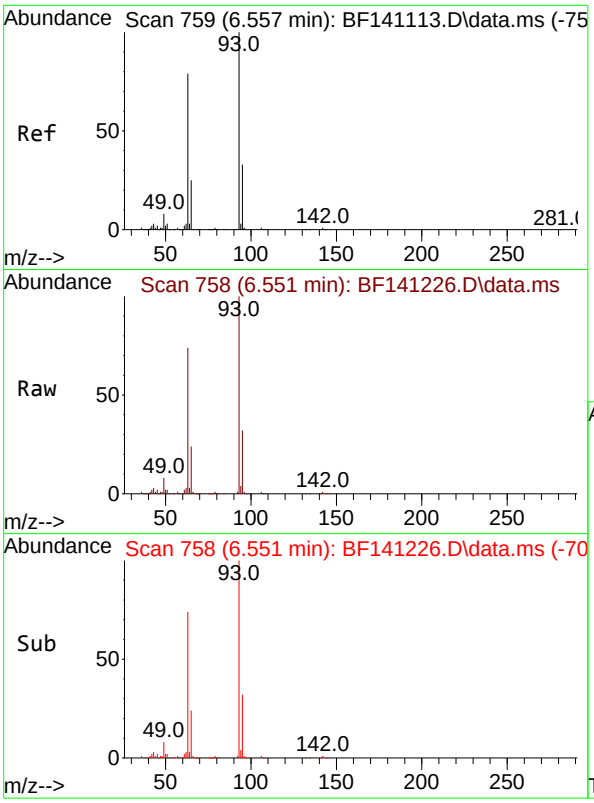


#10
Phenol
Concen: 37.768 ng
RT: 6.463 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion: 94 Resp: 596283

Ion	Ratio	Lower	Upper
94	100		
65	32.5	8.9	48.9
66	49.4	21.2	61.2



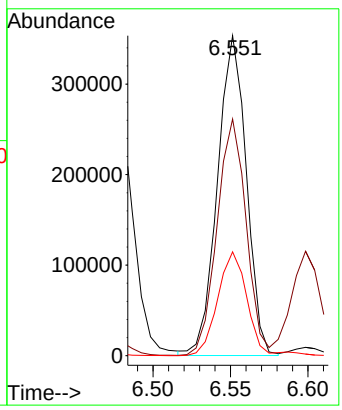


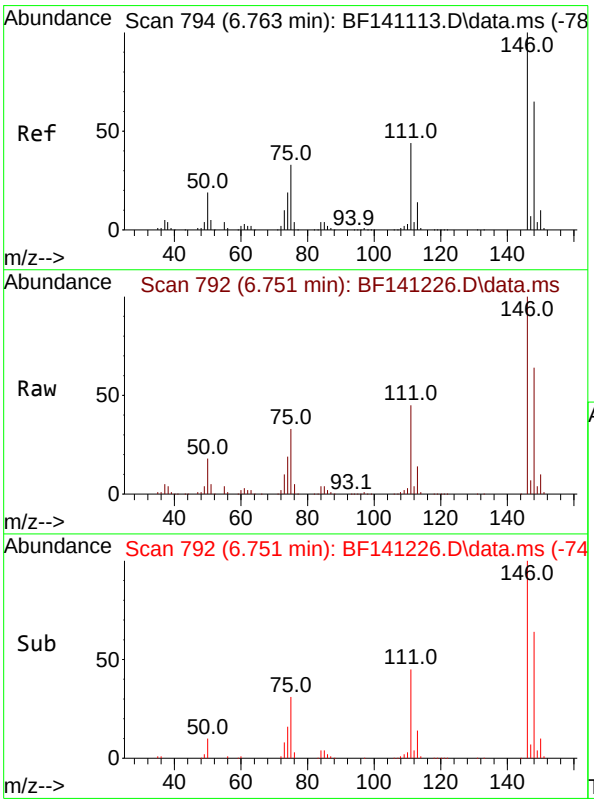
#11
bis(2-Chloroethyl)ether
Concen: 38.965 ng
RT: 6.551 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 93 Resp: 458466

Ion	Ratio	Lower	Upper
93	100		
63	74.0	58.0	98.0
95	32.5	12.5	52.5

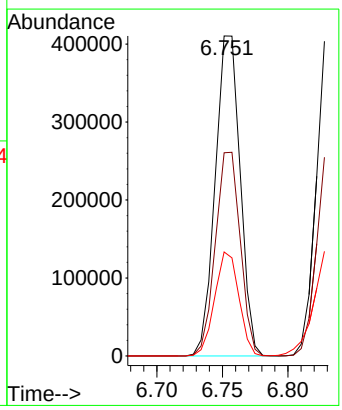


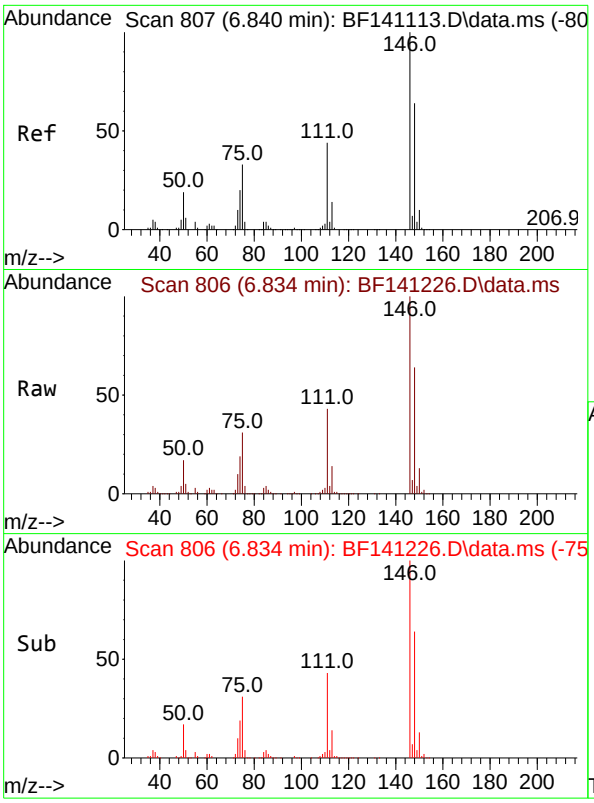


#12
1,3-Dichlorobenzene
Concen: 38.958 ng
RT: 6.751 min Scan# 792
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:146 Resp: 542781

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.6	77.4
75	32.5	26.2	39.2



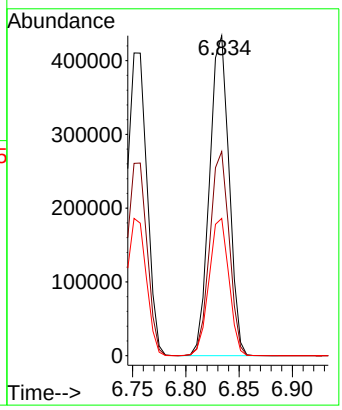


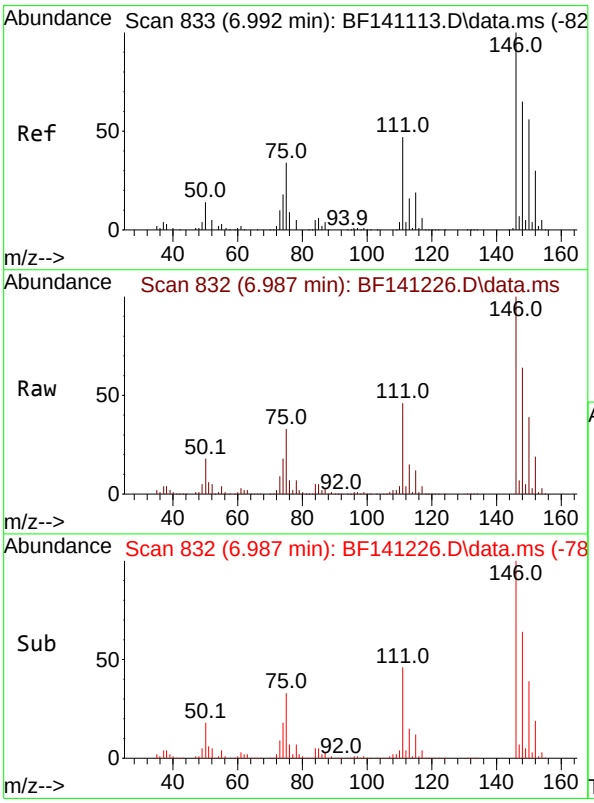
#13
1,4-Dichlorobenzene
Concen: 39.449 ng
RT: 6.834 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:146 Resp: 553857

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.0	76.6
111	42.9	34.9	52.3

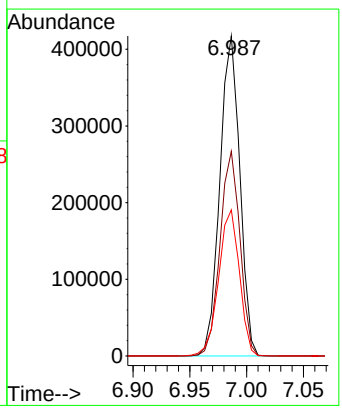


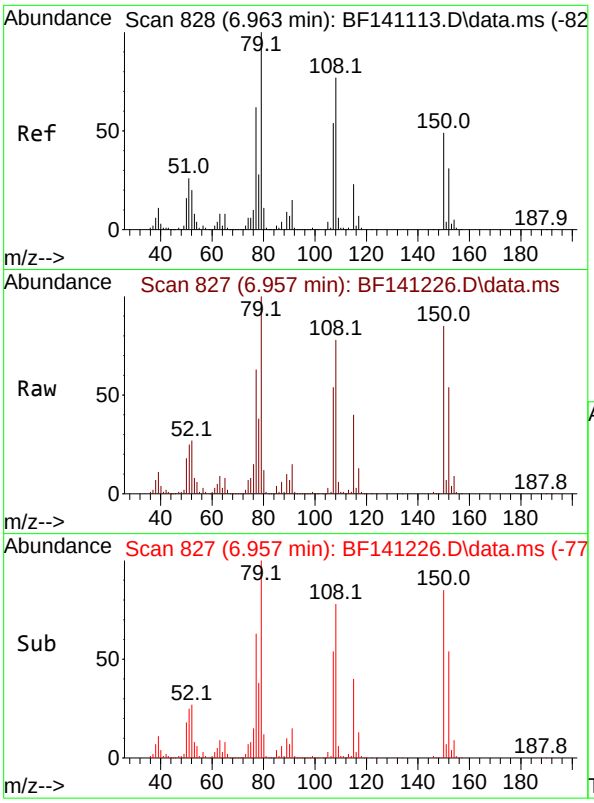


#14
1,2-Dichlorobenzene
Concen: 39.041 ng
RT: 6.987 min Scan# 832
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:146 Resp: 511297

Ion	Ratio	Lower	Upper
146	100		
148	64.0	52.2	78.4
111	45.6	37.5	56.3



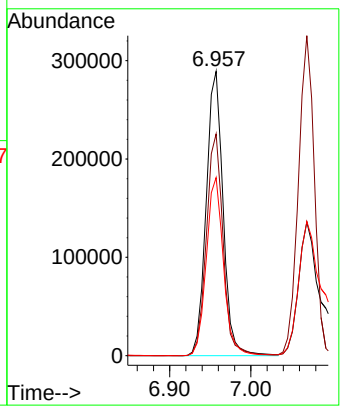


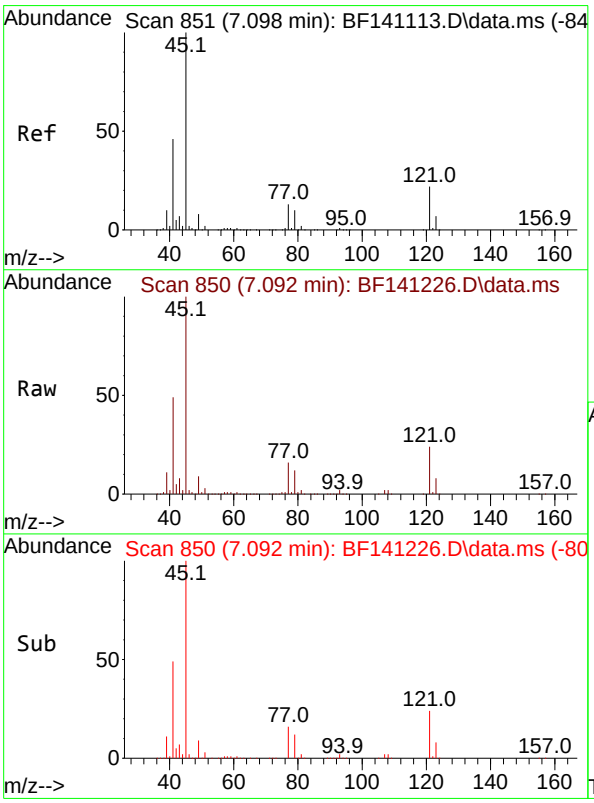
#15
Benzyl Alcohol
Concen: 39.095 ng
RT: 6.957 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 79 Resp: 416409

Ion	Ratio	Lower	Upper
79	100		
108	78.0	61.4	92.0
77	62.6	49.8	74.6

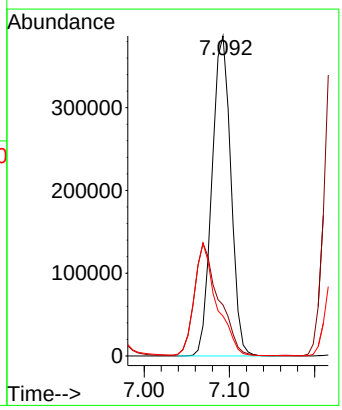


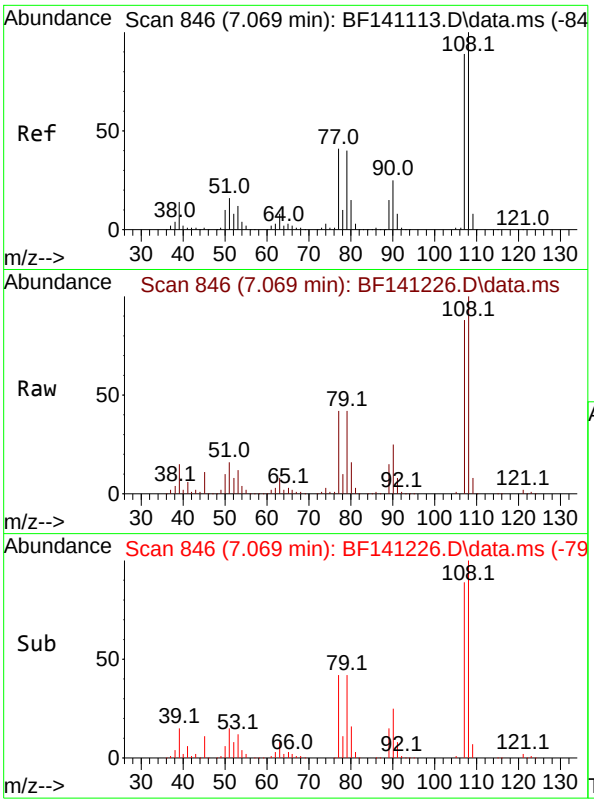


#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.277 ng
RT: 7.092 min Scan# 850
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion: 45 Resp: 595626

Ion	Ratio	Lower	Upper
45	100		
77	16.0	0.0	34.1
79	12.4	0.0	31.0



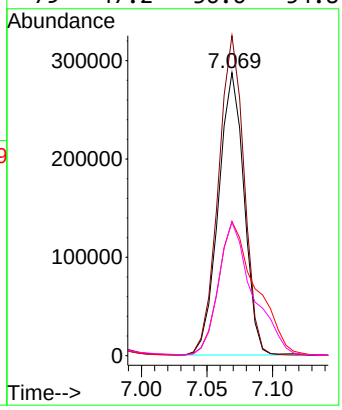


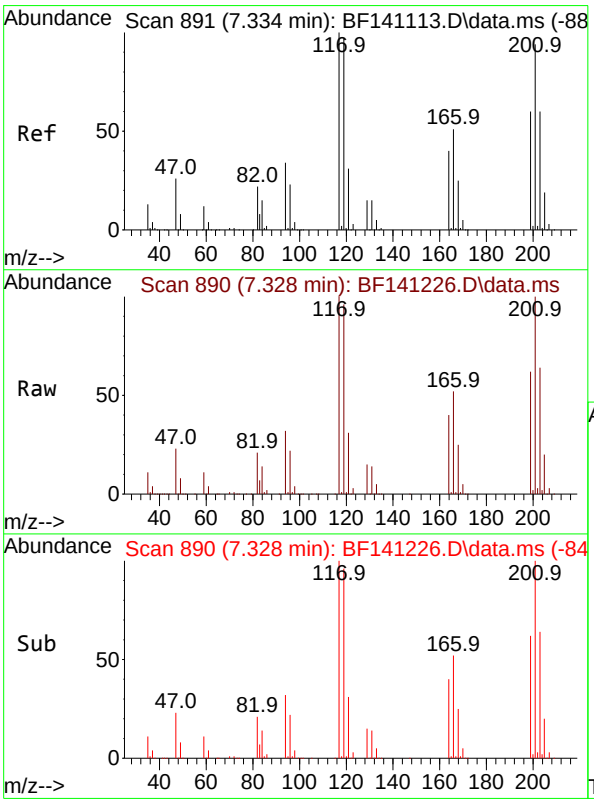
#17
2-Methylphenol
Concen: 38.717 ng
RT: 7.069 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:107 Resp: 390478

Ion	Ratio	Lower	Upper
107	100		
108	113.1	90.1	135.1
77	47.4	36.6	55.0
79	47.2	36.6	54.8

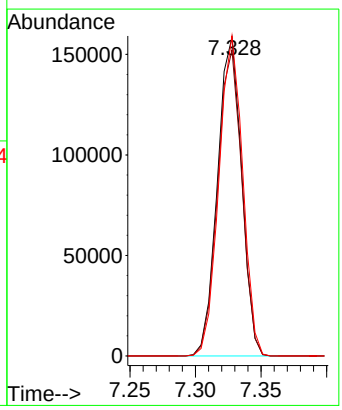


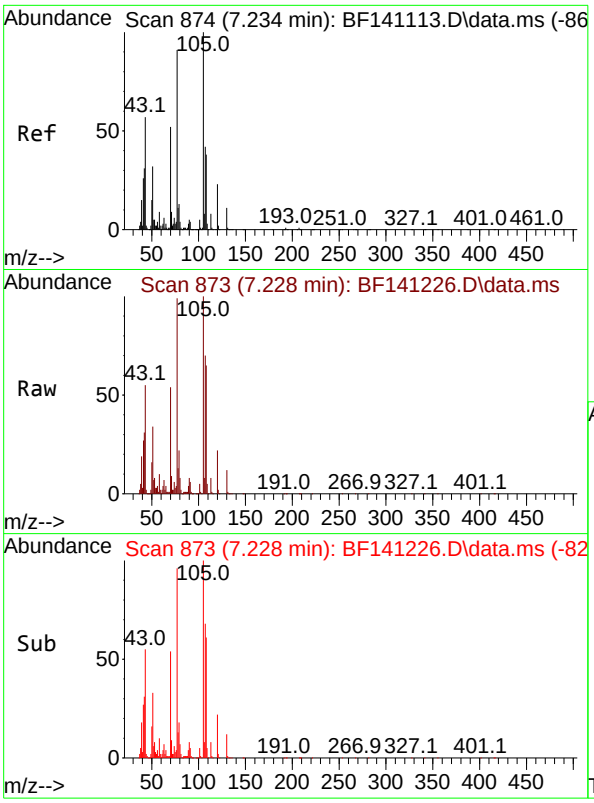


#18
Hexachloroethane
Concen: 39.974 ng
RT: 7.328 min Scan# 890
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:117 Resp: 202959

Ion	Ratio	Lower	Upper
117	100		
119	96.0	77.6	116.4
201	100.4	75.1	112.7



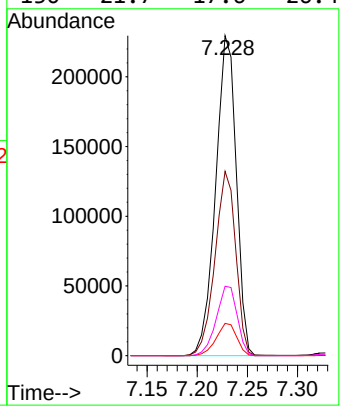


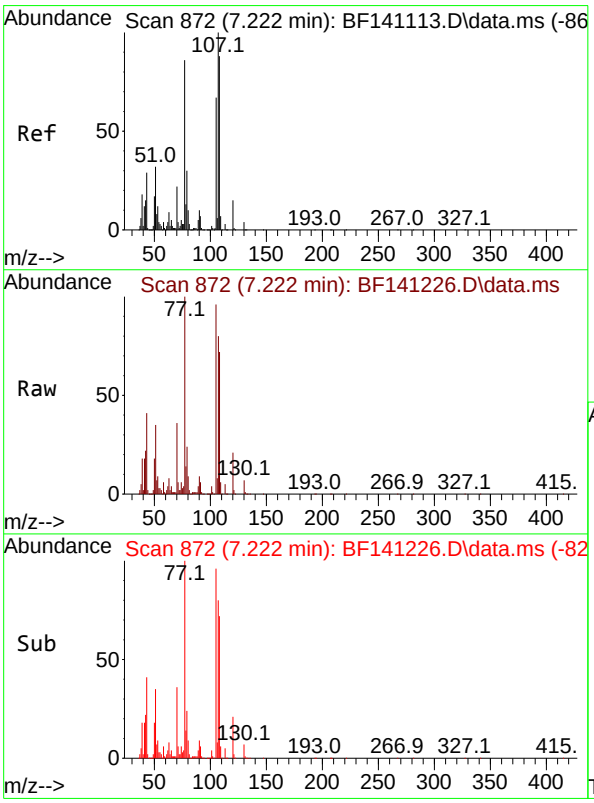
#19
n-Nitroso-di-n-propylamine
Concen: 37.772 ng
RT: 7.228 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 70 Resp: 328165

Ion	Ratio	Lower	Upper
70	100		
42	57.6	47.8	71.6
101	10.1	7.9	11.9
130	21.7	17.6	26.4

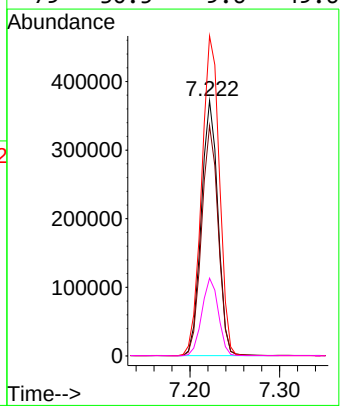


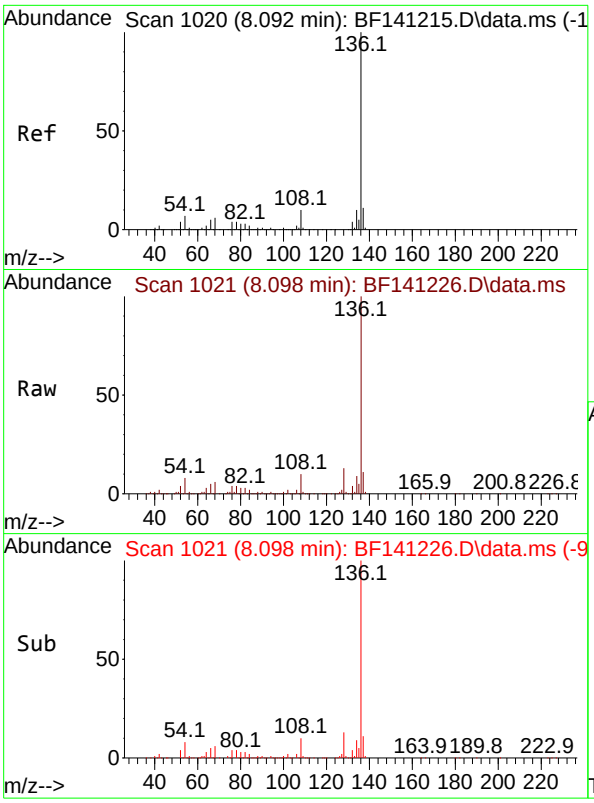


#20
3+4-Methylphenols
Concen: 37.631 ng
RT: 7.222 min Scan# 872
Delta R.T. 0.000 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:107 Resp: 478810

Ion	Ratio	Lower	Upper
107	100		
108	90.2	68.3	108.3
77	125.3	66.4	106.4#
79	30.5	9.6	49.6



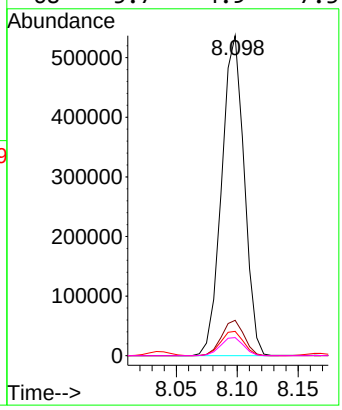


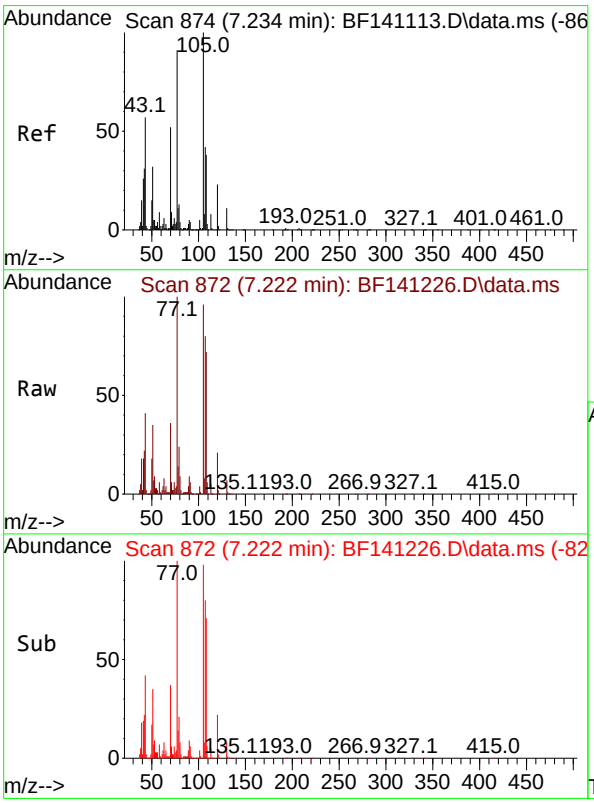
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.098 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:136 Resp: 690448

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.6	6.3	9.5
68	5.7	4.9	7.3

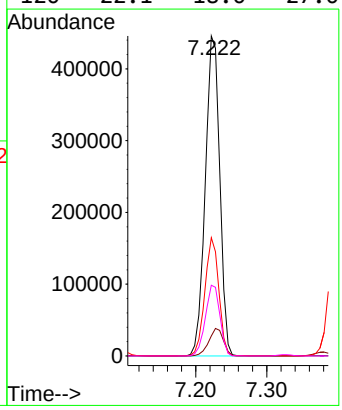


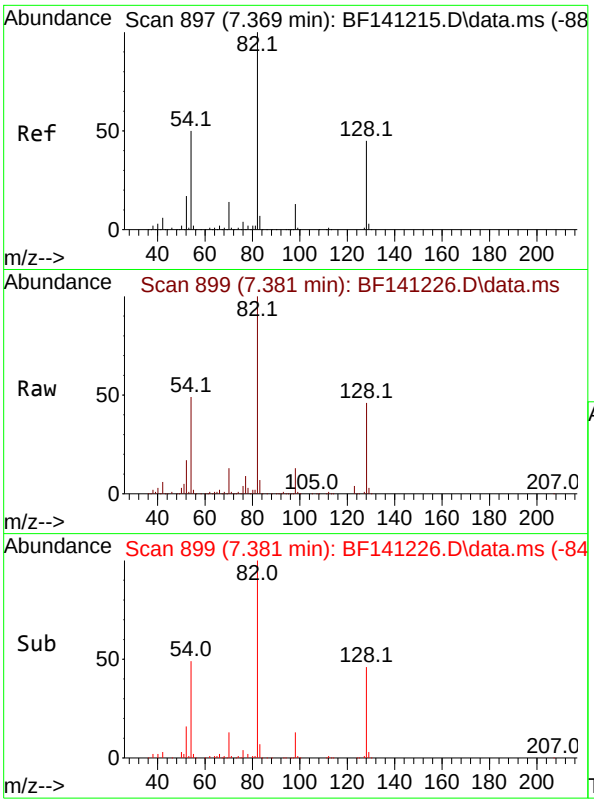


#22
Acetophenone
Concen: 38.548 ng
RT: 7.222 min Scan# 872
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:105 Resp: 632710

Ion	Ratio	Lower	Upper
105	100		
71	6.2	7.1	10.7#
51	36.9	25.4	38.2
120	22.1	18.0	27.0



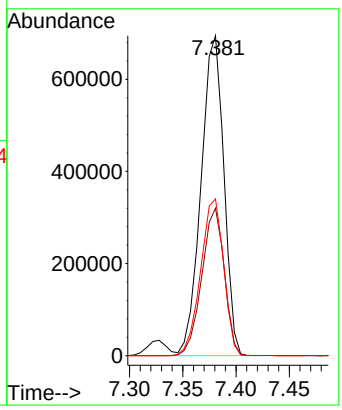


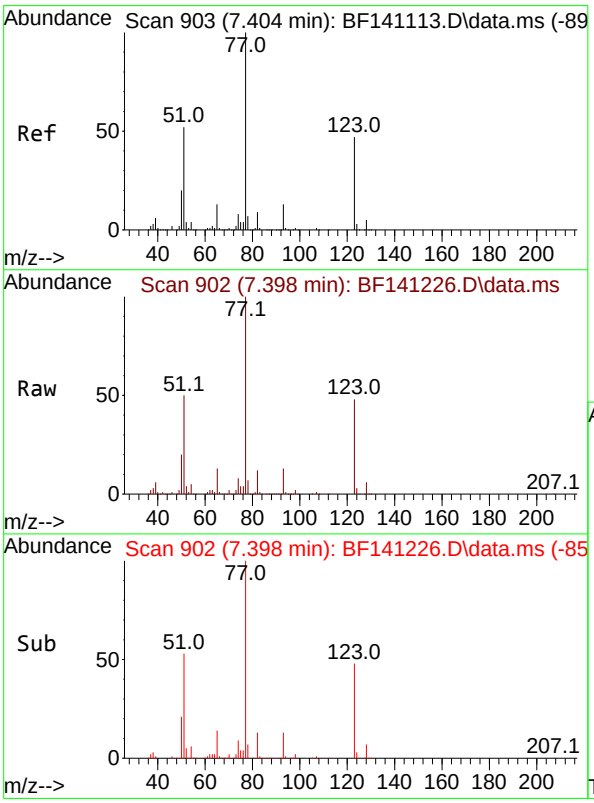
#23
Nitrobenzene-d5
Concen: 79.162 ng
RT: 7.381 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 1031110

Ion	Ratio	Lower	Upper
82	100		
128	46.1	36.1	54.1
54	49.0	41.0	61.4

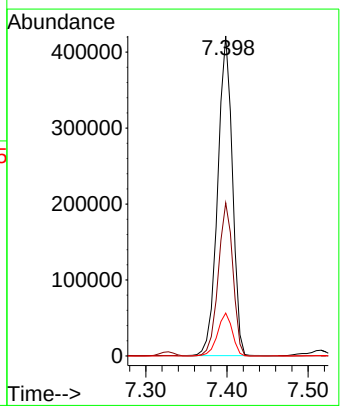


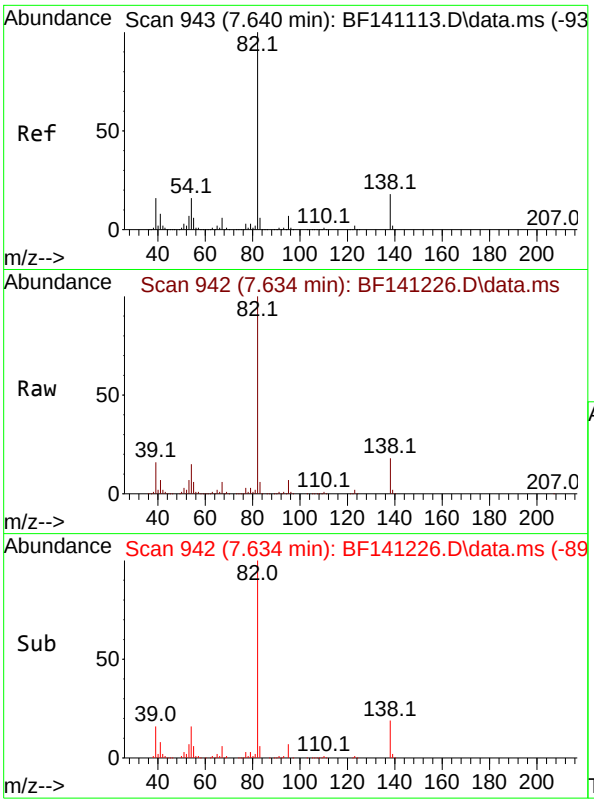


#24
Nitrobenzene
Concen: 39.091 ng
RT: 7.398 min Scan# 902
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion: 77 Resp: 530659

Ion	Ratio	Lower	Upper
77	100		
123	47.8	37.7	56.5
65	13.4	10.6	16.0



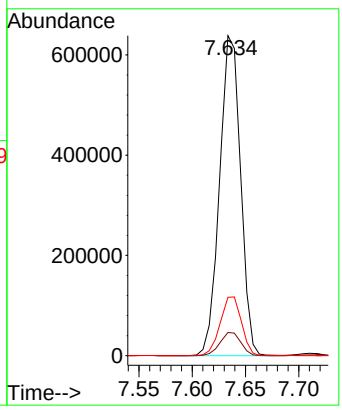


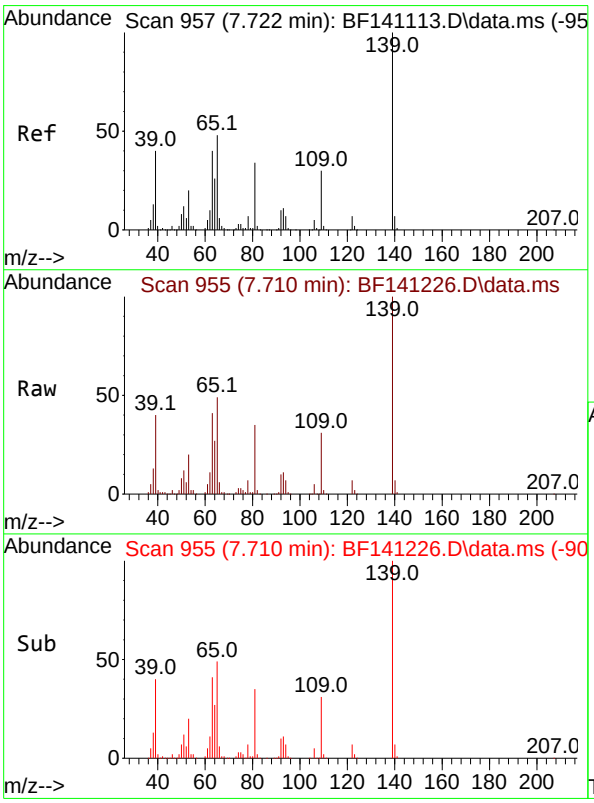
#25
Isophorone
Concen: 39.243 ng
RT: 7.634 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 873539

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.9	8.9
138	18.3	14.2	21.2

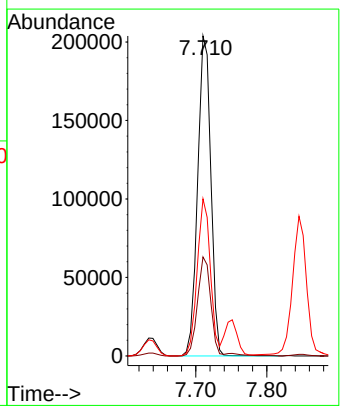


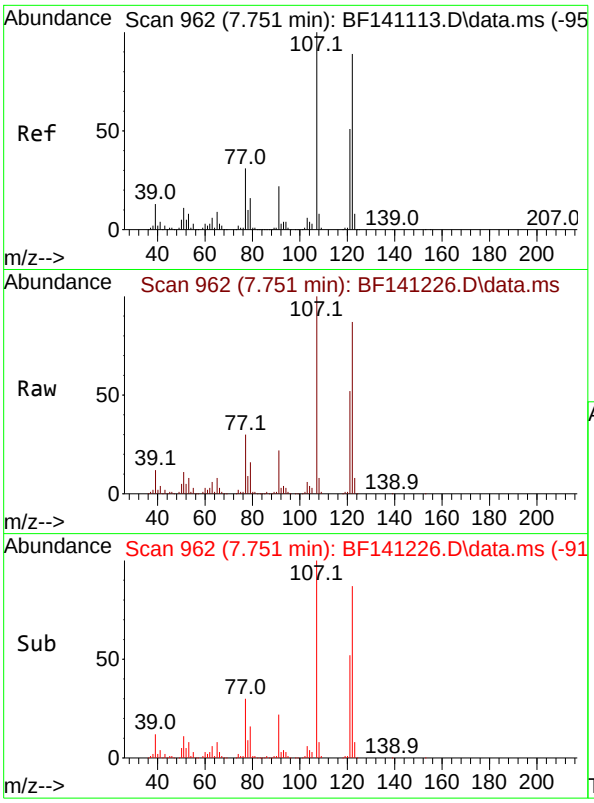


#26
2-Nitrophenol
Concen: 42.808 ng
RT: 7.710 min Scan# 955
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:139 Resp: 264347

Ion	Ratio	Lower	Upper
139	100		
109	30.9	23.8	35.6
65	49.1	38.5	57.7



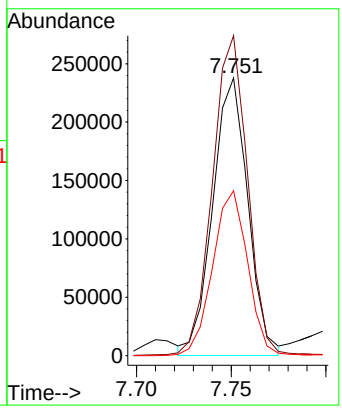


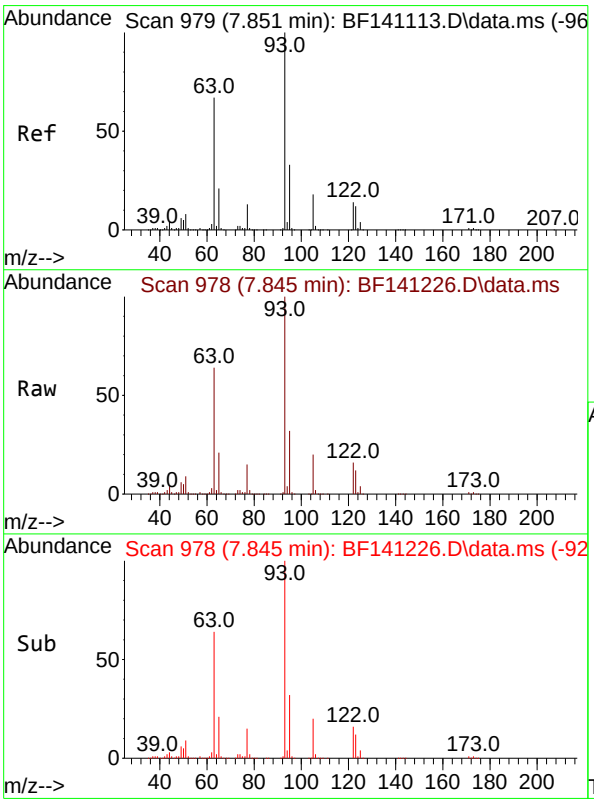
#27
2,4-Dimethylphenol
Concen: 36.850 ng
RT: 7.751 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:122 Resp: 306934

Ion	Ratio	Lower	Upper
122	100		
107	115.2	90.3	135.5
121	59.4	46.5	69.7

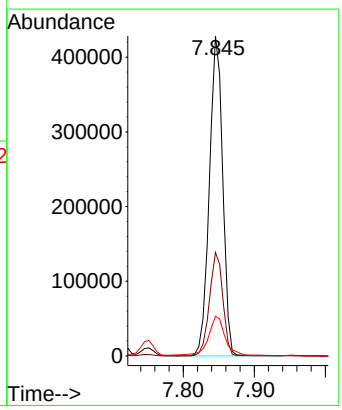


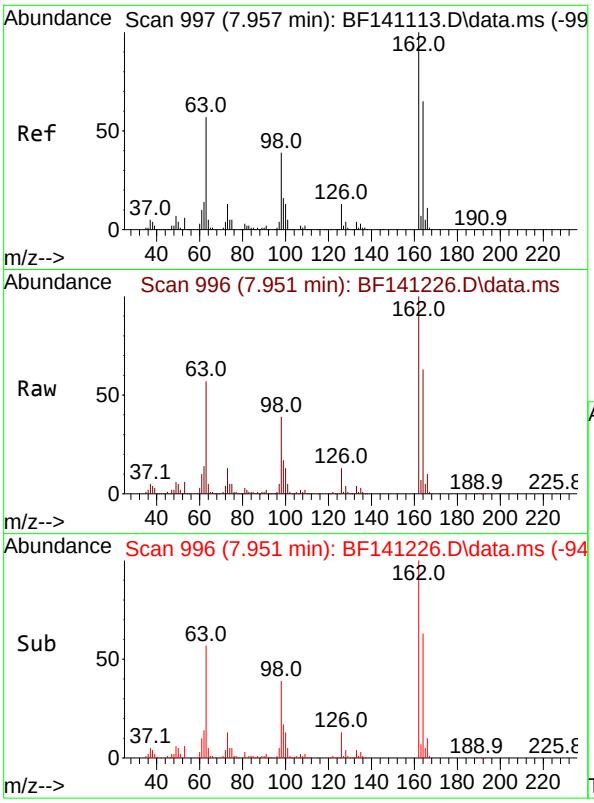


#28
bis(2-Chloroethoxy)methane
Concen: 39.994 ng
RT: 7.845 min Scan# 978
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion: 93 Resp: 558706

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.2	39.4
123	12.4	10.1	15.1



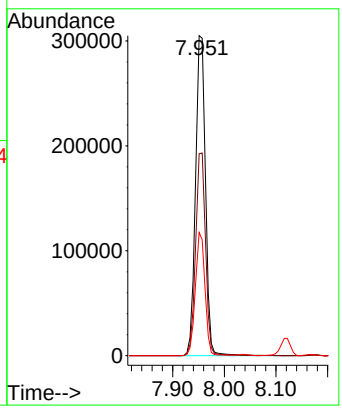


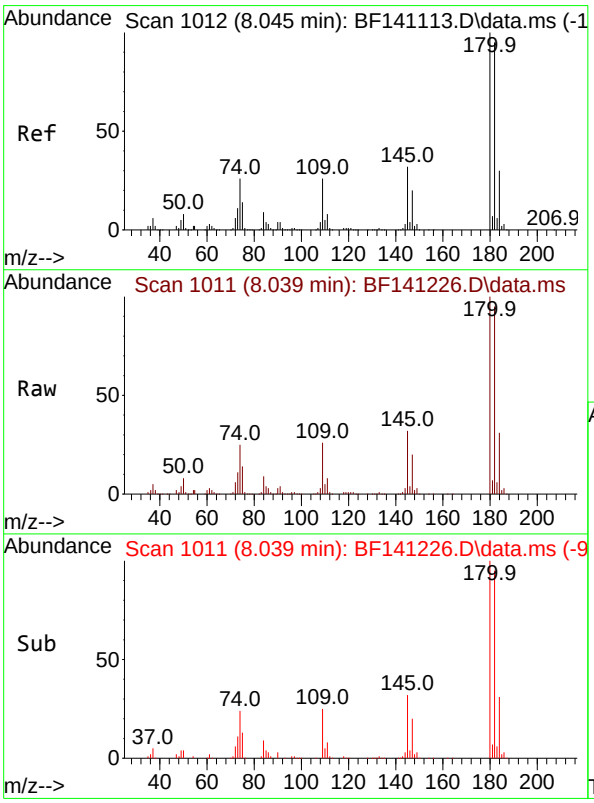
#29
2,4-Dichlorophenol
Concen: 41.280 ng
RT: 7.951 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 408357

Ion	Ratio	Lower	Upper
162	100		
164	63.1	44.5	84.5
98	38.5	18.5	58.5

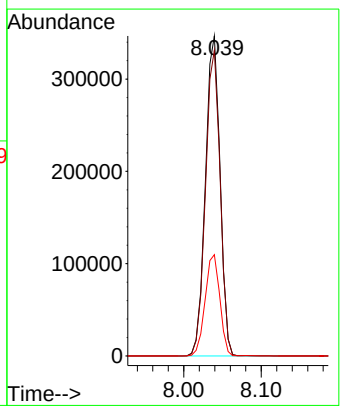


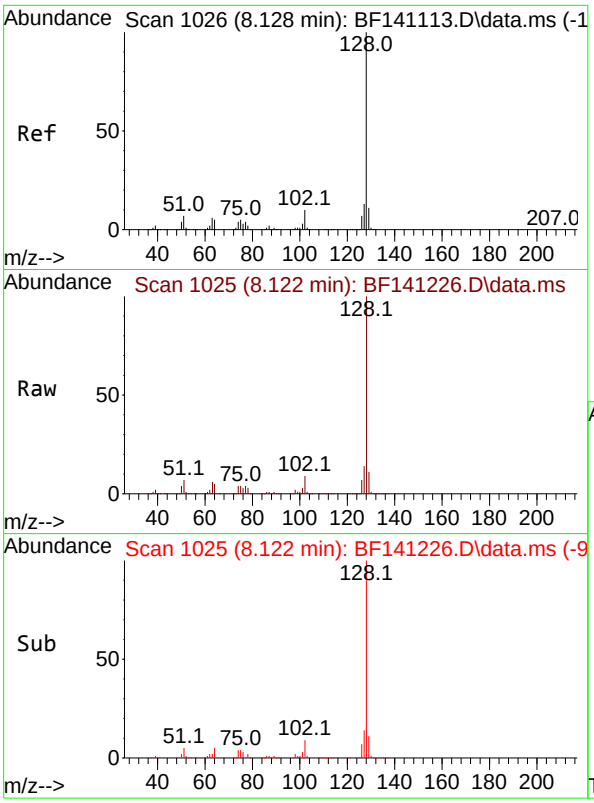


#30
1,2,4-Trichlorobenzene
Concen: 40.225 ng
RT: 8.039 min Scan# 1011
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:180 Resp: 454846

Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.2	114.2
145	31.6	25.3	37.9



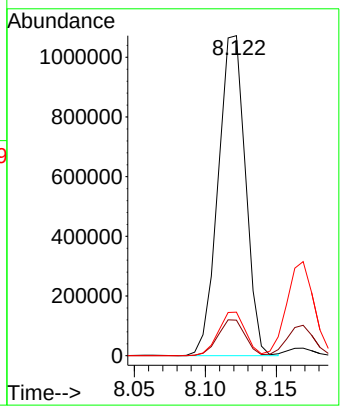


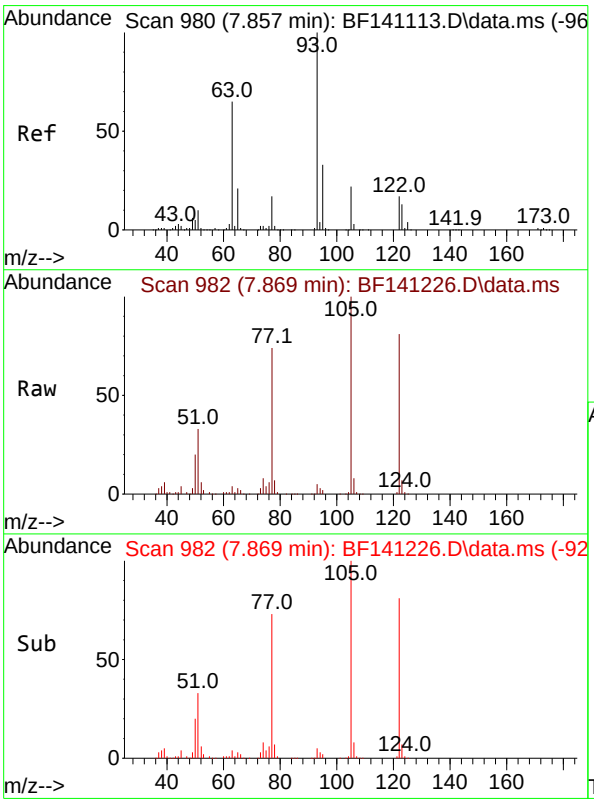
#31
Naphthalene
Concen: 39.368 ng
RT: 8.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:128 Resp: 1433429

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.0	13.6
127	13.6	10.8	16.2

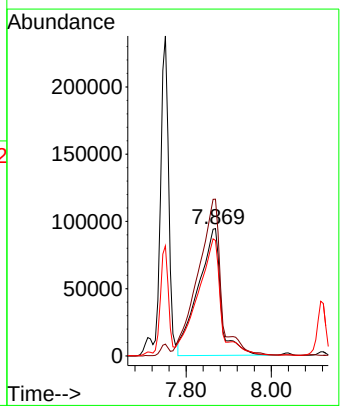


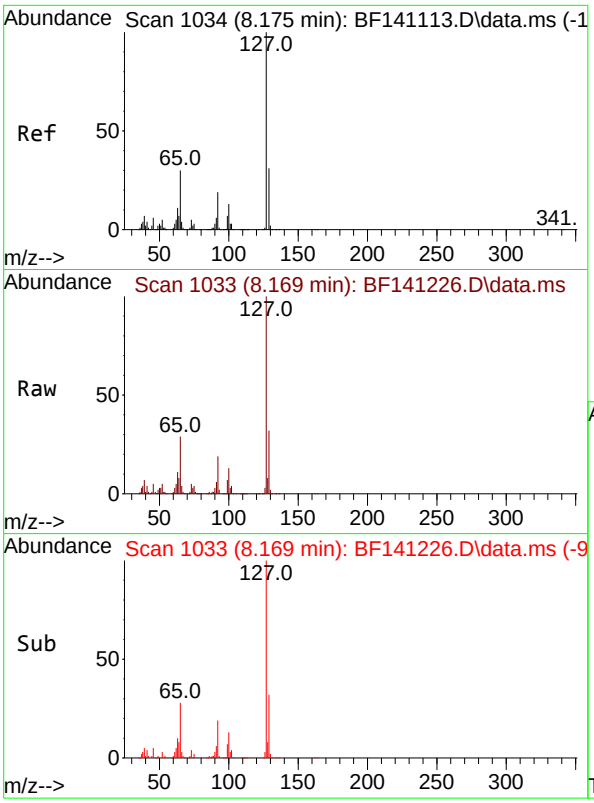


#32
Benzoic acid
Concen: 44.035 ng
RT: 7.869 min Scan# 982
Delta R.T. 0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:122 Resp: 351844

Ion	Ratio	Lower	Upper
122	100		
105	123.2	105.5	145.5
77	90.7	75.1	115.1



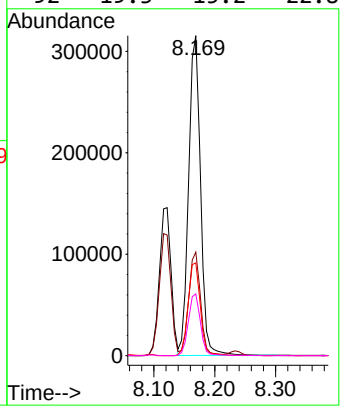


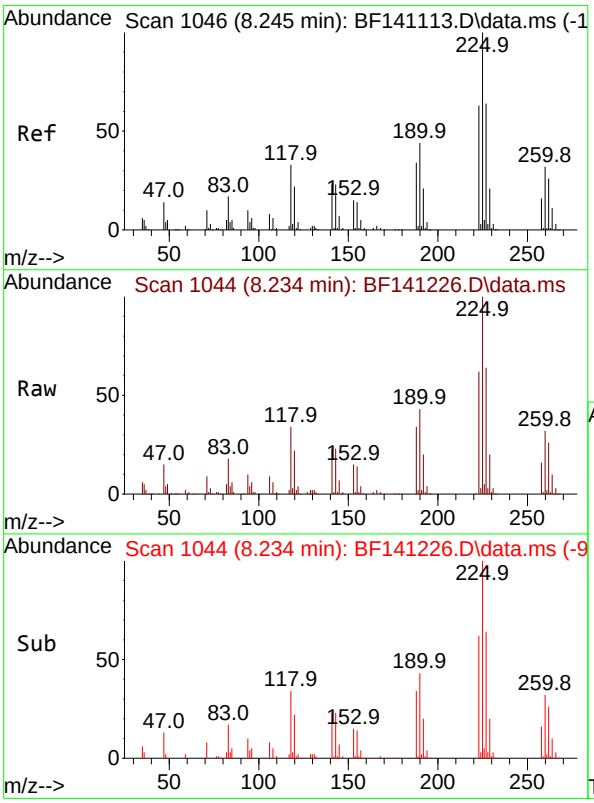
#33
4-Chloroaniline
Concen: 33.986 ng
RT: 8.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:127 Resp: 427968

Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.9	38.9
65	29.0	23.8	35.8
92	19.3	15.2	22.8

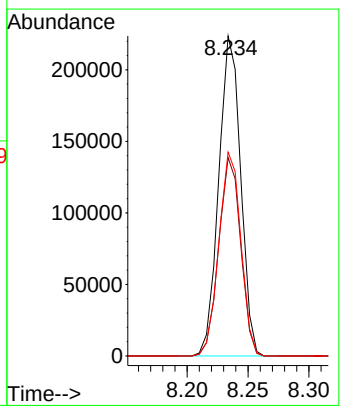


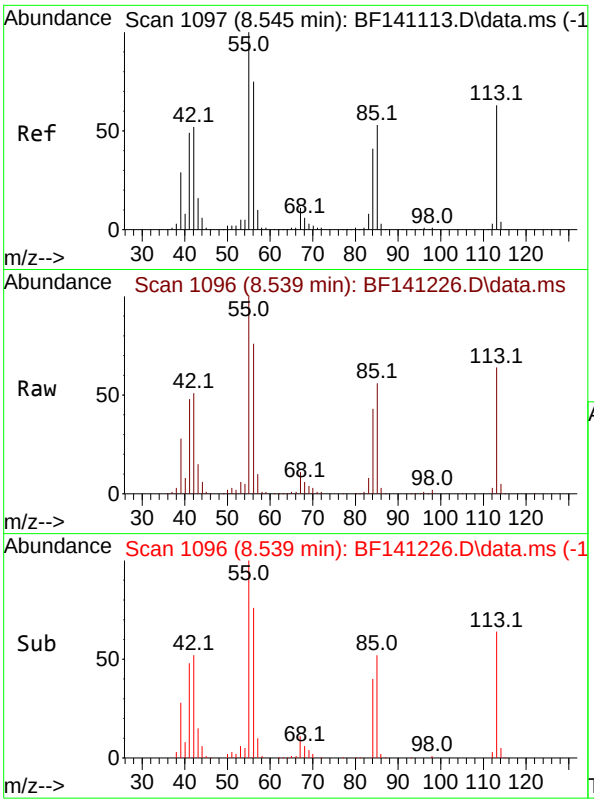


#34
Hexachlorobutadiene
Concen: 41.051 ng
RT: 8.234 min Scan# 1044
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:225 Resp: 279699

Ion	Ratio	Lower	Upper
225	100		
223	62.0	50.6	76.0
227	63.7	51.6	77.4



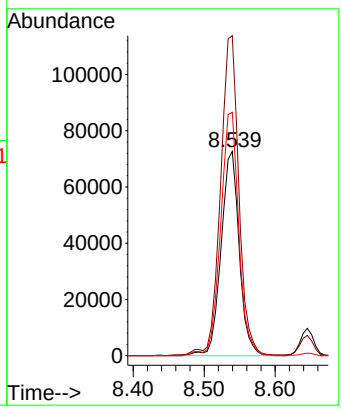


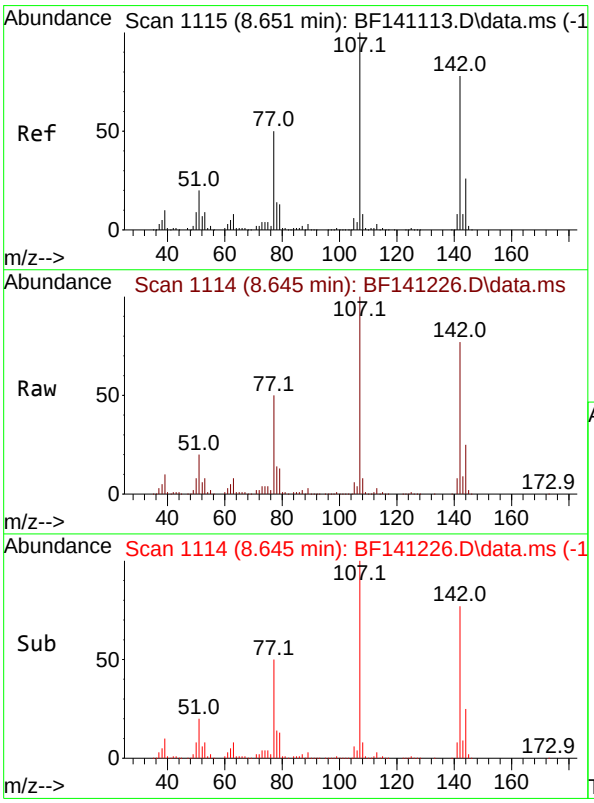
#35
Caprolactam
Concen: 39.604 ng
RT: 8.539 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:113 Resp: 128266

Ion	Ratio	Lower	Upper
113	100		
55	156.7	139.7	179.7
56	119.1	99.4	139.4

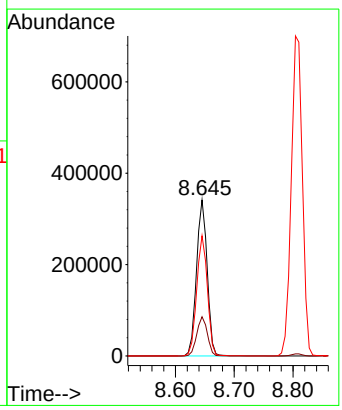


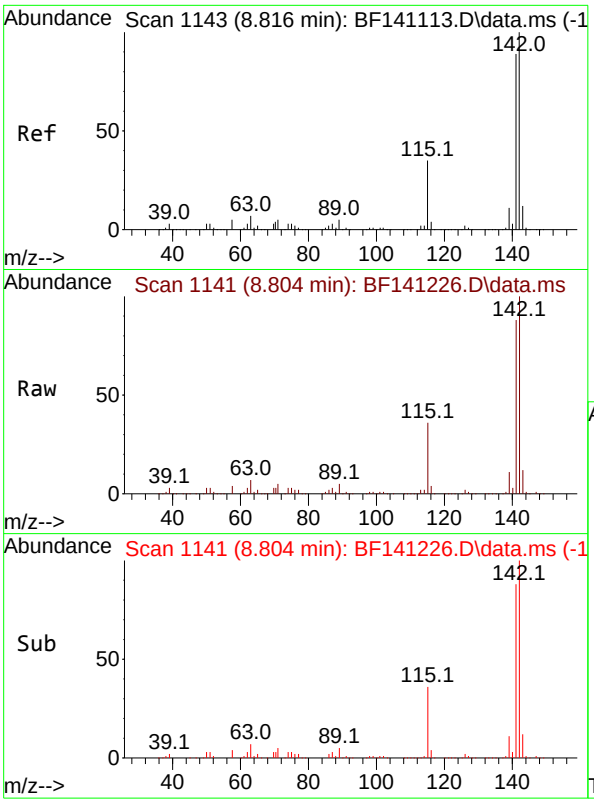


#36
4-Chloro-3-methylphenol
Concen: 39.850 ng
RT: 8.645 min Scan# 1114
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:107 Resp: 431130

Ion	Ratio	Lower	Upper
107	100		
144	25.1	20.4	30.6
142	77.0	62.2	93.2



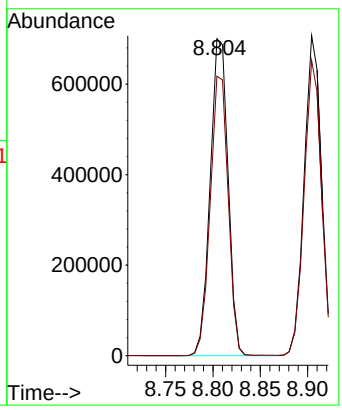


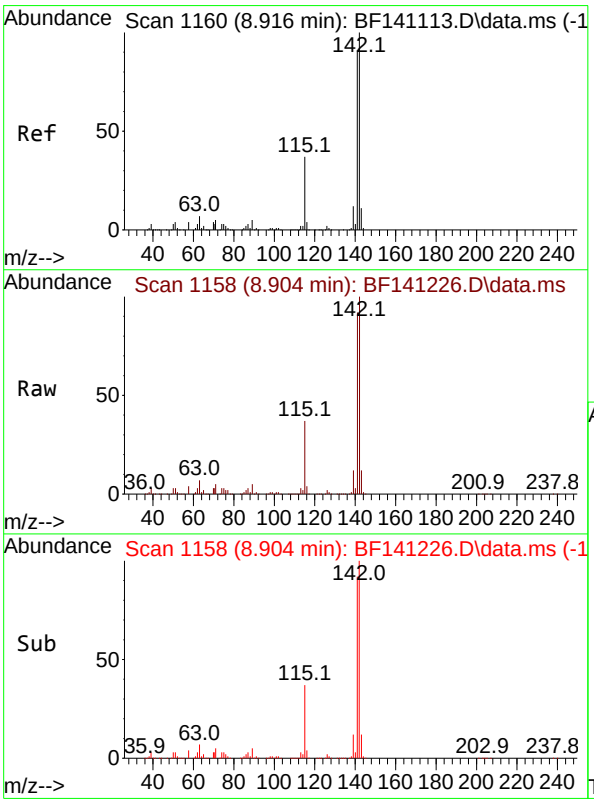
#37
2-Methylnaphthalene
Concen: 39.617 ng
RT: 8.804 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:142 Resp: 919216

Ion	Ratio	Lower	Upper
142	100		
141	88.2	71.3	106.9

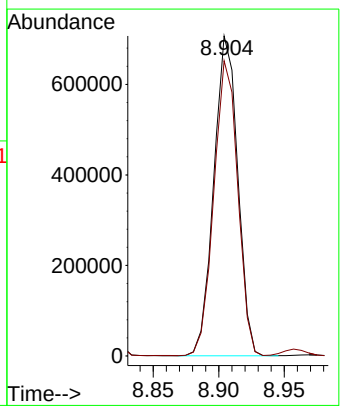


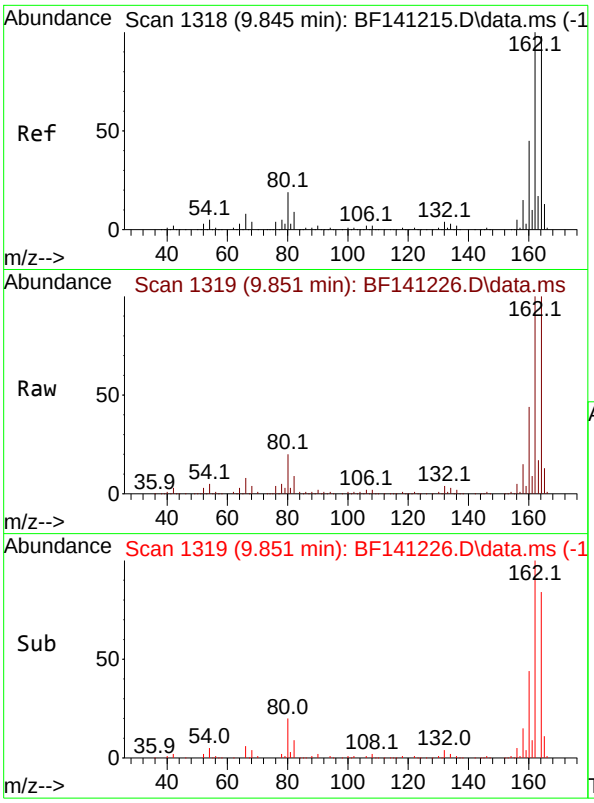


#38
1-Methylnaphthalene
Concen: 39.166 ng
RT: 8.904 min Scan# 1158
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:142 Resp: 895599

Ion	Ratio	Lower	Upper
142	100		
141	92.2	73.1	109.7



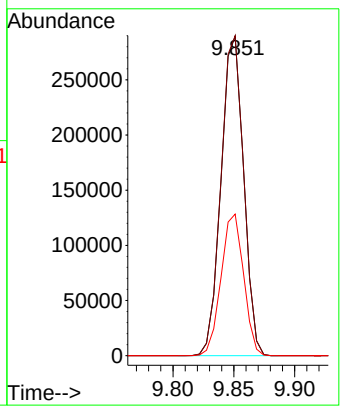


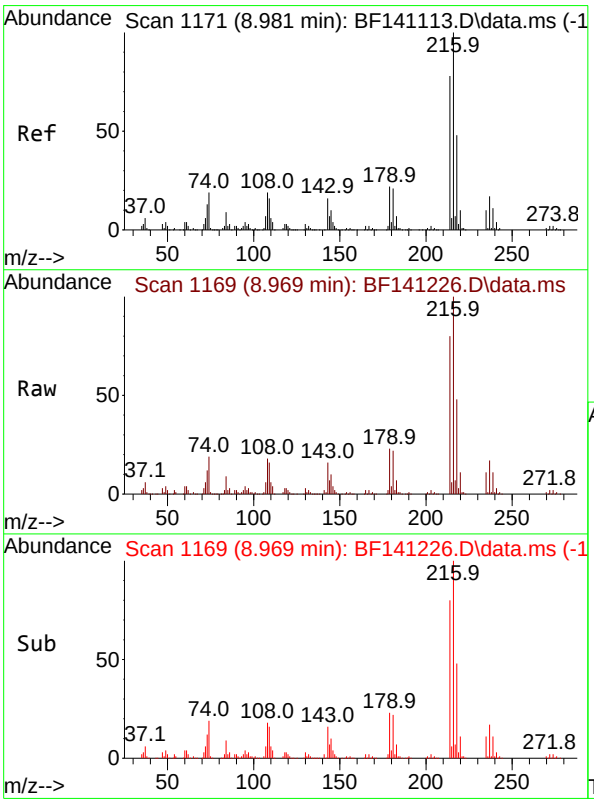
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.851 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:164 Resp: 373975

Ion	Ratio	Lower	Upper
164	100		
162	100.2	81.0	121.4
160	44.3	36.1	54.1

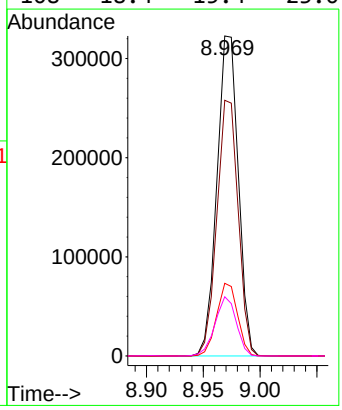


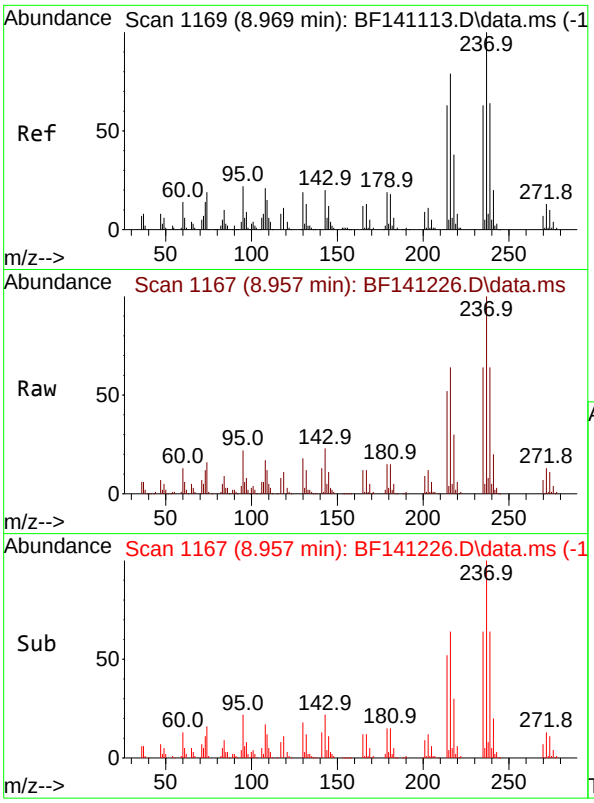


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.388 ng
RT: 8.969 min Scan# 1169
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:216 Resp: 422785

Ion	Ratio	Lower	Upper
216	100		
214	79.5	62.6	94.0
179	22.2	17.7	26.5
108	18.4	15.4	23.0



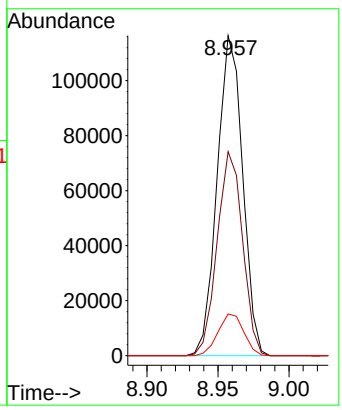


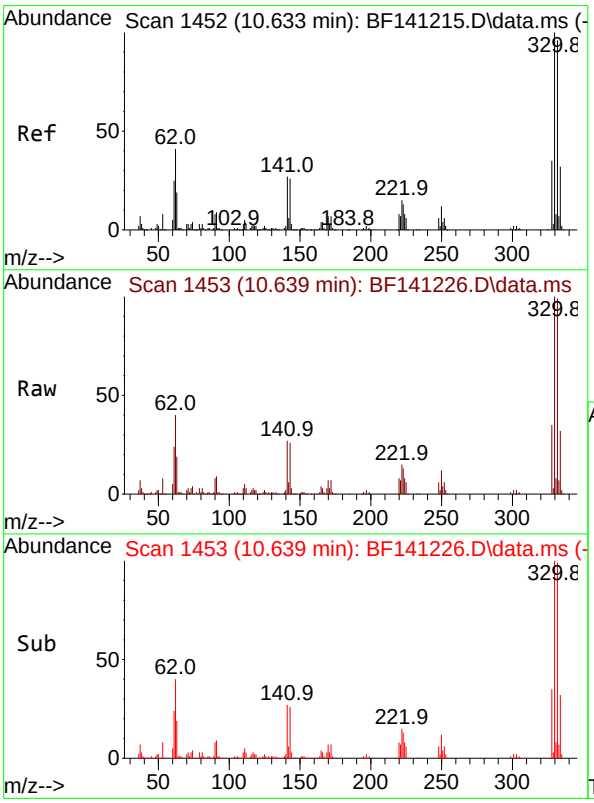
#41
Hexachlorocyclopentadiene
Concen: 41.323 ng
RT: 8.957 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:237 Resp: 145116

Ion	Ratio	Lower	Upper
237	100		
235	63.7	43.0	83.0
272	13.1	0.0	33.0

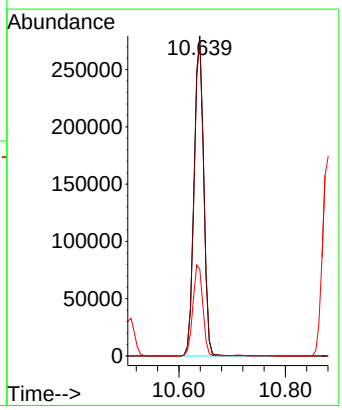


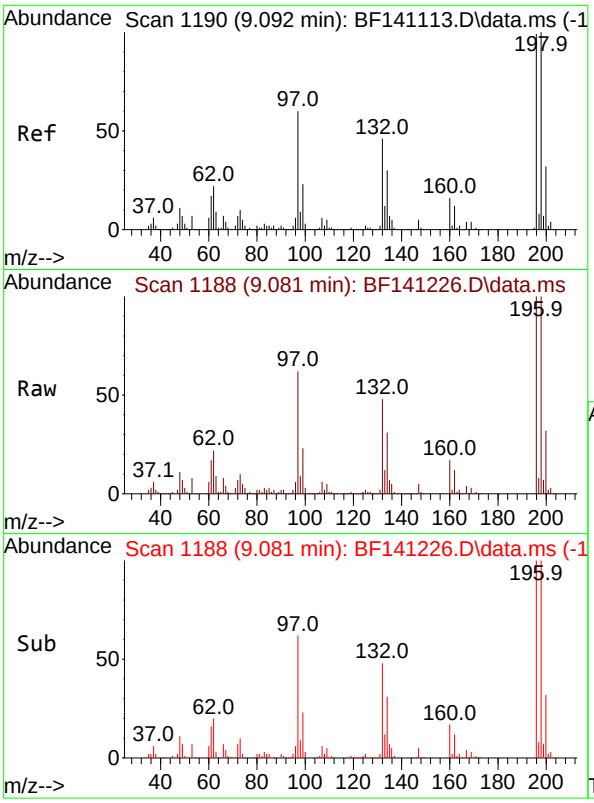


#42
2,4,6-Tribromophenol
Concen: 82.382 ng
RT: 10.639 min Scan# 1453
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:330 Resp: 351047

Ion	Ratio	Lower	Upper
330	100		
332	98.0	76.9	115.3
141	29.3	25.2	37.8



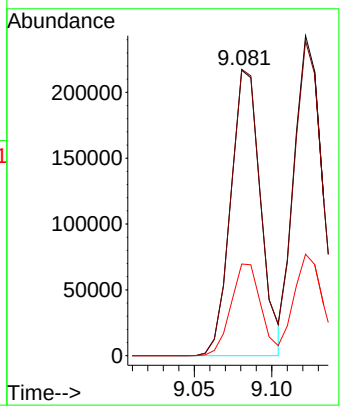


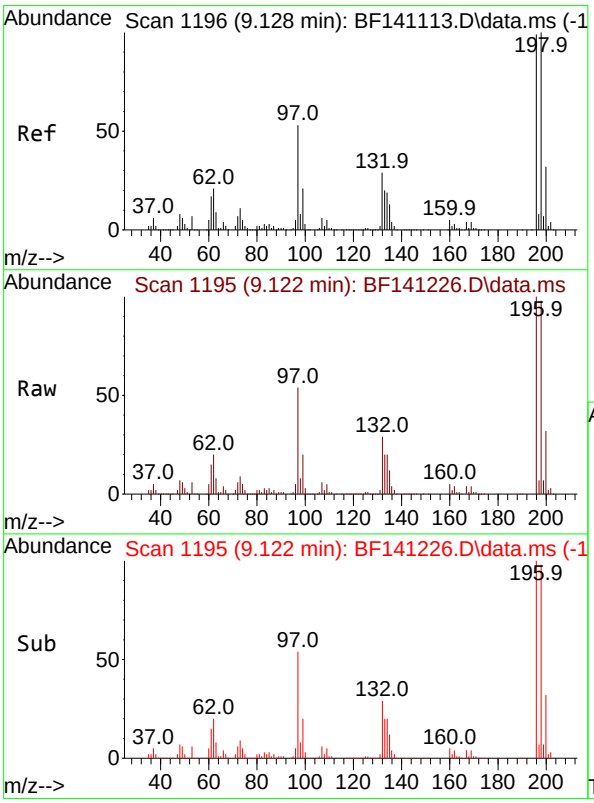
#43
2,4,6-Trichlorophenol
Concen: 40.147 ng
RT: 9.081 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:196 Resp: 290635

Ion	Ratio	Lower	Upper
196	100		
198	100.4	80.8	121.2
200	32.2	25.7	38.5

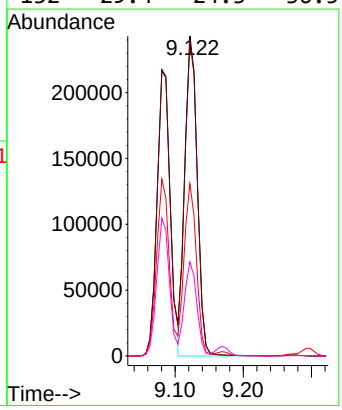


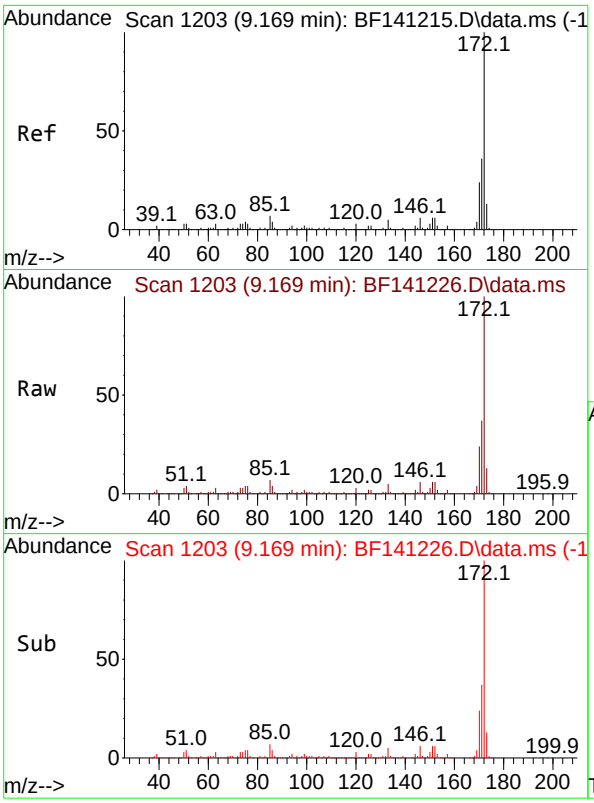


#44
2,4,5-Trichlorophenol
Concen: 40.231 ng
RT: 9.122 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:196 Resp: 307586

Ion	Ratio	Lower	Upper
196	100		
198	98.3	80.6	120.8
97	53.8	43.1	64.7
132	29.4	24.3	36.5



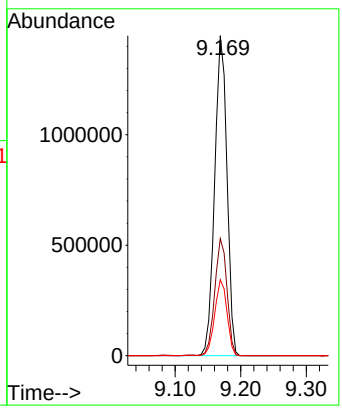


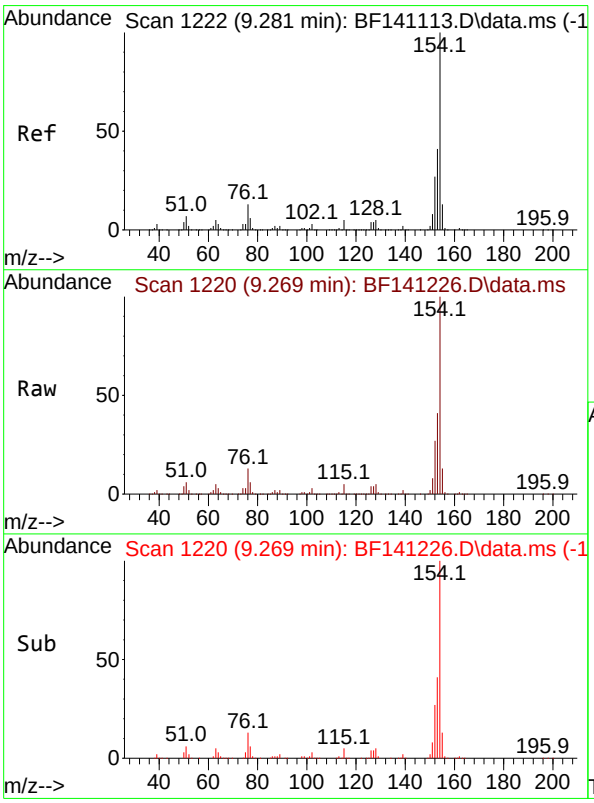
#45
2-Fluorobiphenyl
Concen: 76.807 ng
RT: 9.169 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:172 Resp: 1881019

Ion	Ratio	Lower	Upper
172	100		
171	36.6	28.7	43.1
170	23.8	19.0	28.6

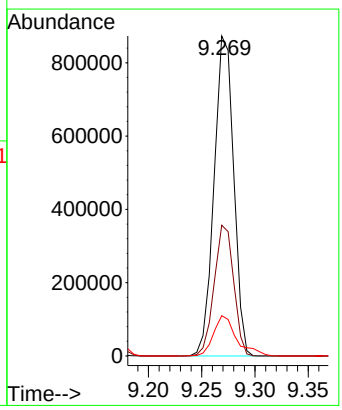


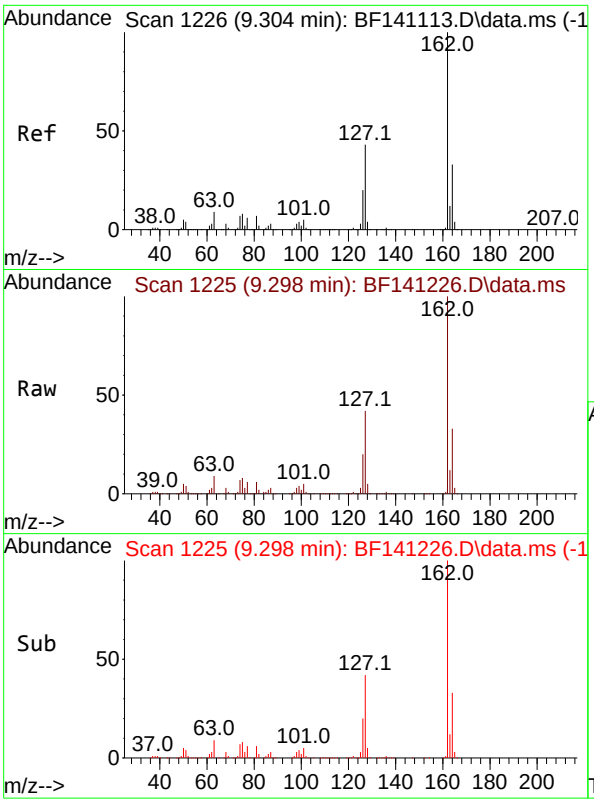


#46
1,1'-Biphenyl
Concen: 38.447 ng
RT: 9.269 min Scan# 1220
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:154 Resp: 1116612

Ion	Ratio	Lower	Upper
154	100		
153	40.8	20.7	60.7
76	12.6	0.0	33.1



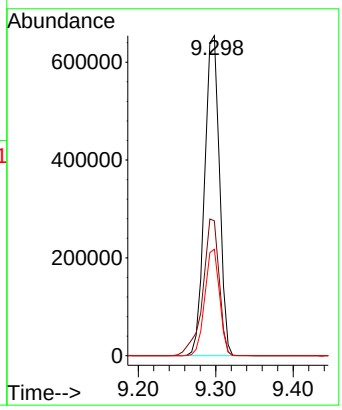


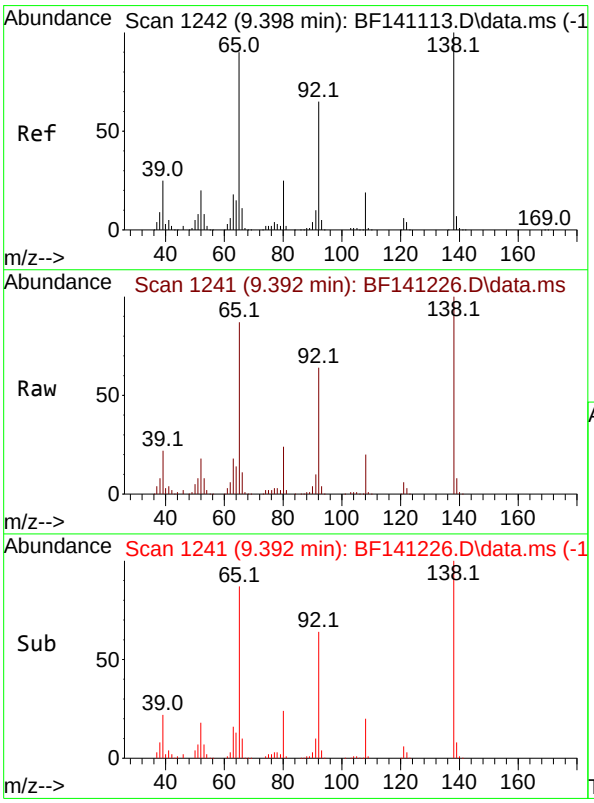
#47
2-Chloronaphthalene
Concen: 38.561 ng
RT: 9.298 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 872286

Ion	Ratio	Lower	Upper
162	100		
127	42.2	34.6	51.8
164	33.2	26.5	39.7

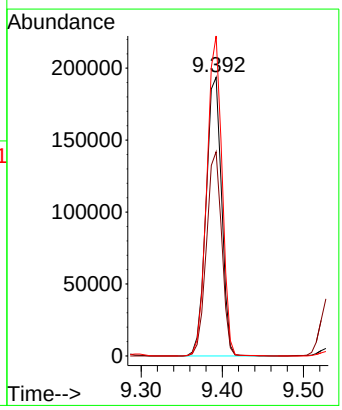


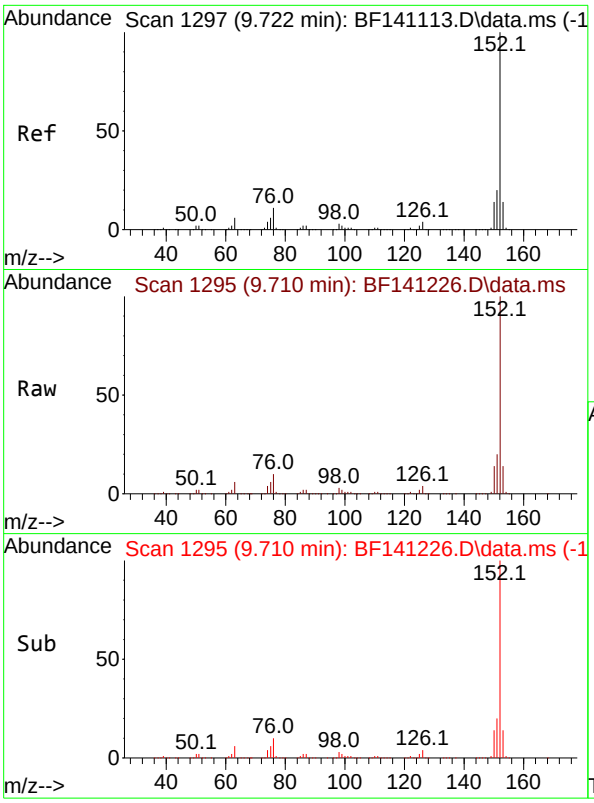


#48
2-Nitroaniline
Concen: 38.328 ng
RT: 9.392 min Scan# 1241
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion: 65 Resp: 257010

Ion	Ratio	Lower	Upper
65	100		
92	73.3	58.3	87.5
138	114.8	89.1	133.7



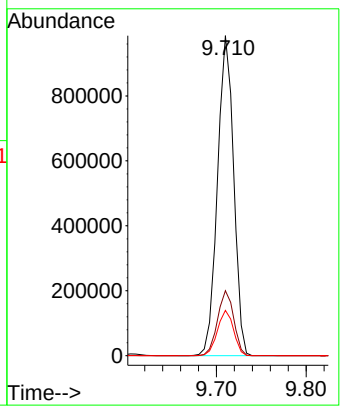


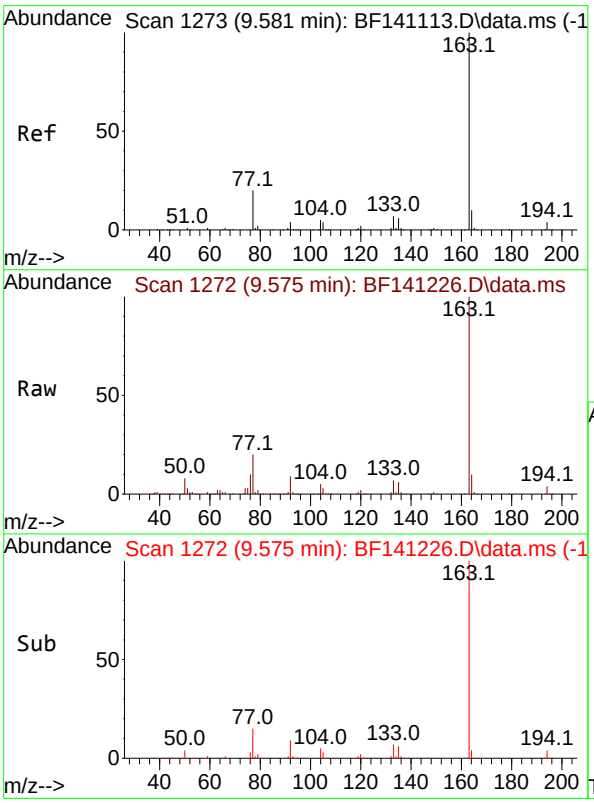
#49
Acenaphthylene
Concen: 38.200 ng
RT: 9.710 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:152 Resp: 1234547

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.1	24.1
153	14.2	11.1	16.7

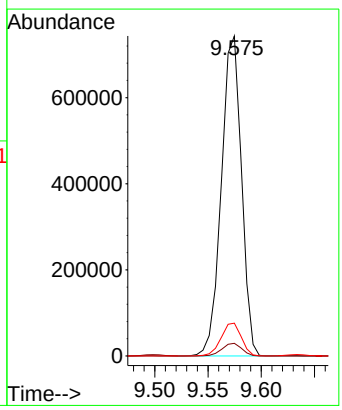


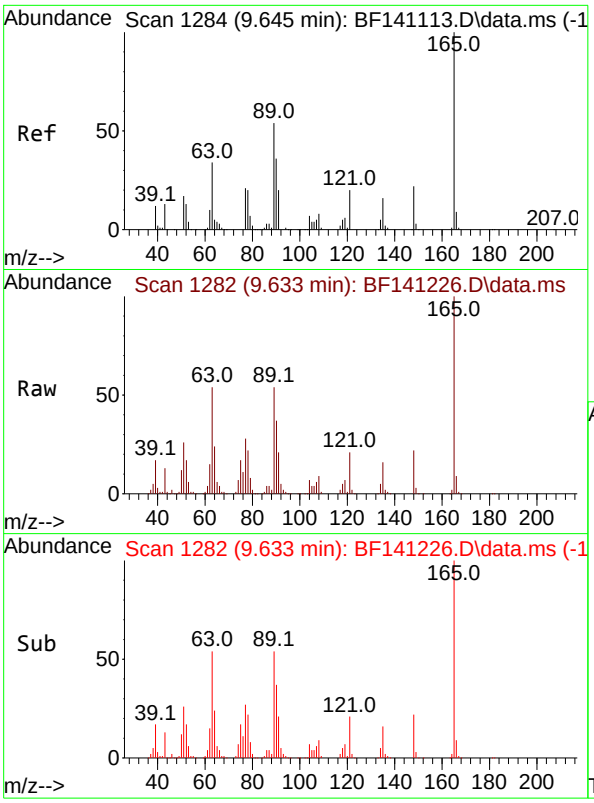


#50
Dimethylphthalate
Concen: 38.849 ng
RT: 9.575 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:163 Resp: 975349

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.0	4.6
164	10.3	8.2	12.4



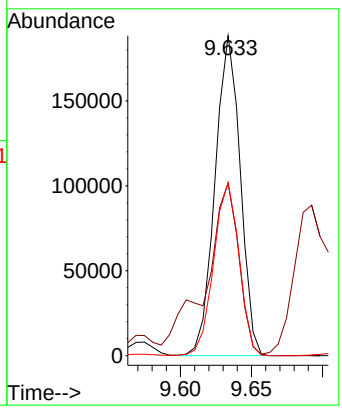


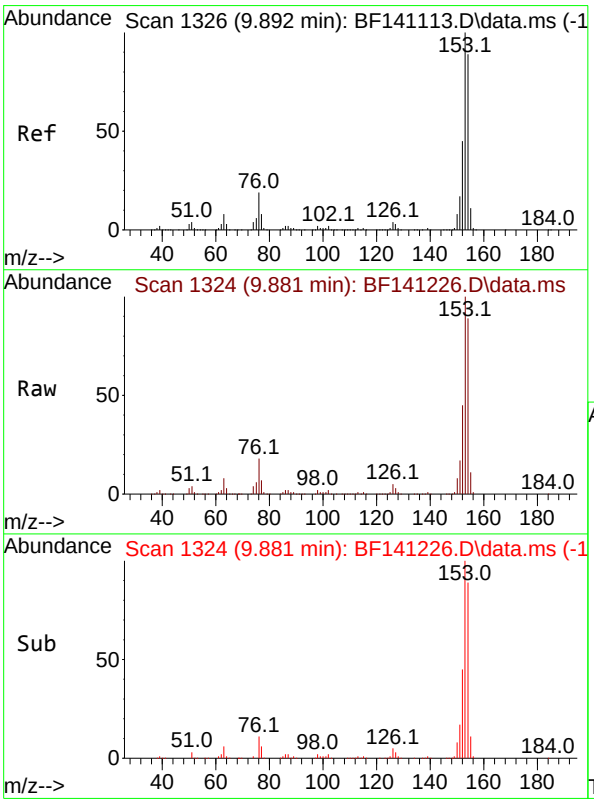
#51
2,6-Dinitrotoluene
Concen: 39.853 ng
RT: 9.633 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:165 Resp: 232680

Ion	Ratio	Lower	Upper
165	100		
63	54.0	42.3	63.5
89	54.1	43.1	64.7

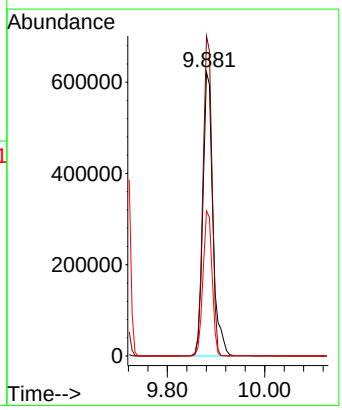


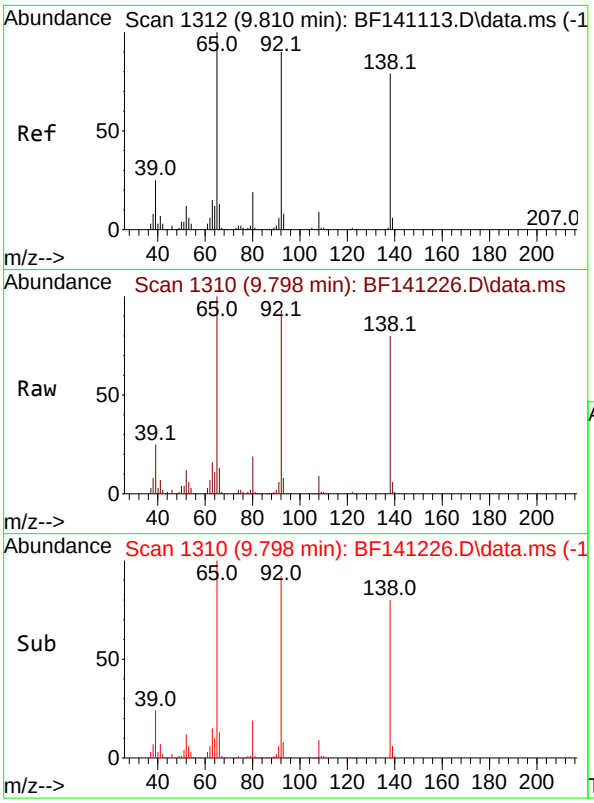


#52
Acenaphthene
Concen: 38.990 ng
RT: 9.881 min Scan# 1324
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:154 Resp: 880373

Ion	Ratio	Lower	Upper
154	100		
153	112.8	89.8	134.6
152	51.2	40.8	61.2



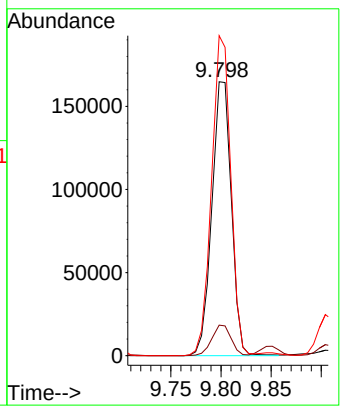


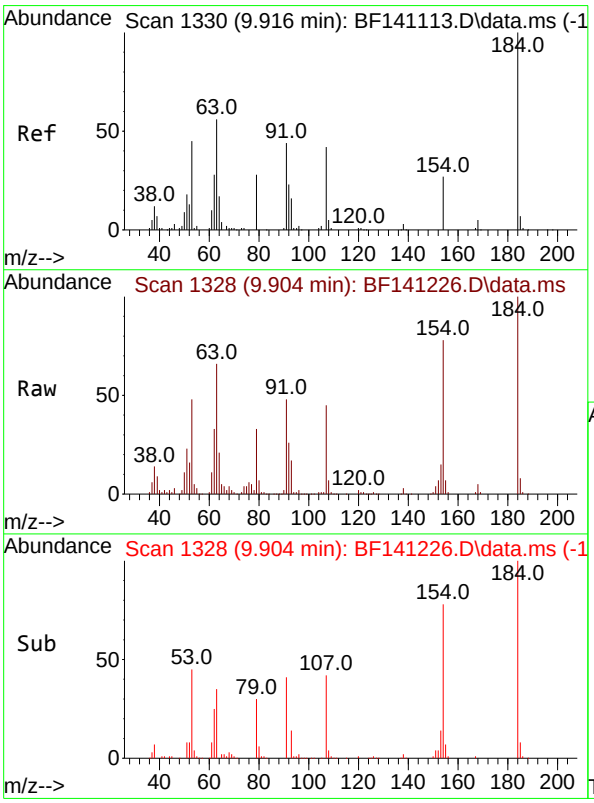
#53
3-Nitroaniline
Concen: 37.537 ng
RT: 9.798 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:138 Resp: 222710

Ion	Ratio	Lower	Upper
138	100		
108	11.1	8.8	13.2
92	116.8	91.3	136.9

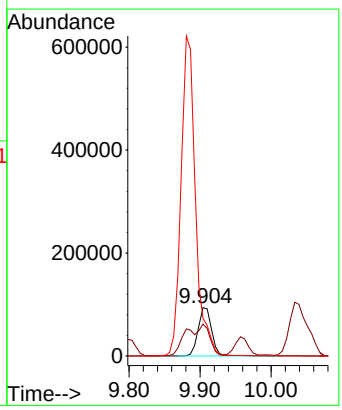


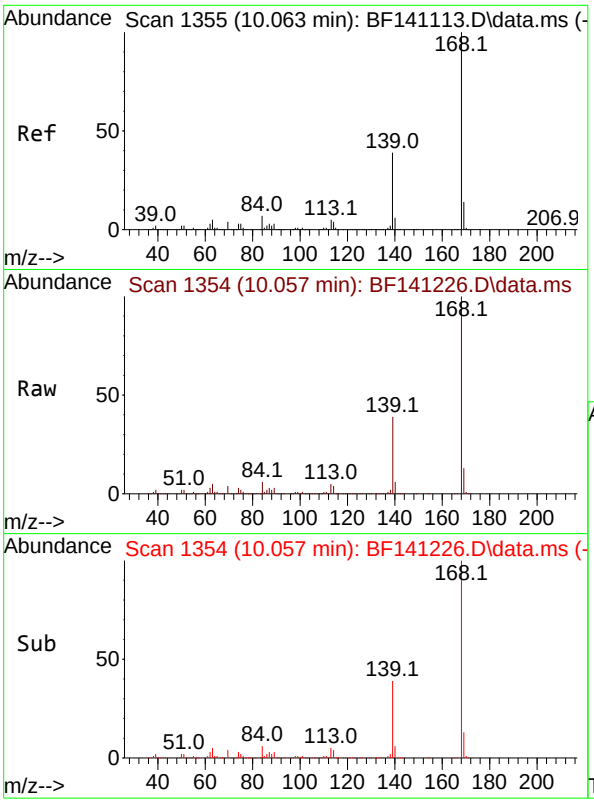


#54
2,4-Dinitrophenol
Concen: 45.070 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:184 Resp: 125075

Ion	Ratio	Lower	Upper
184	100		
63	65.9	48.7	73.1
154	77.8	57.1	85.7



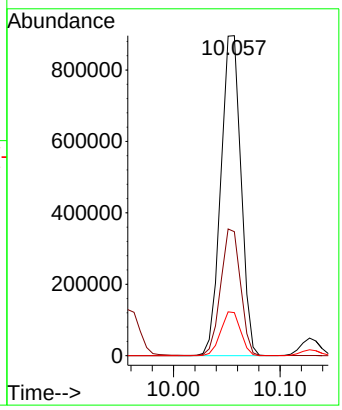


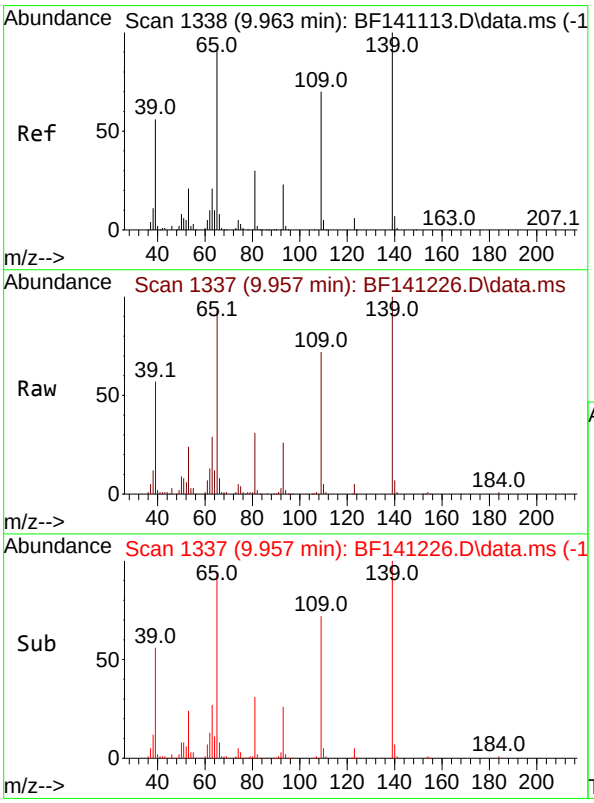
#55
Dibenzofuran
Concen: 38.244 ng
RT: 10.057 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:168 Resp: 1174545

Ion	Ratio	Lower	Upper
168	100		
139	38.8	31.4	47.0
169	13.4	10.9	16.3

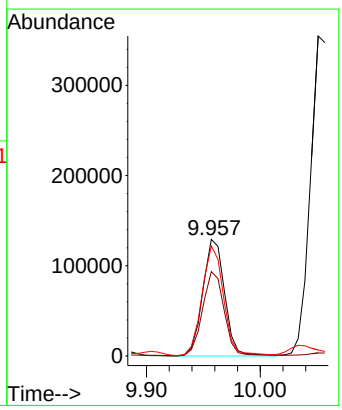


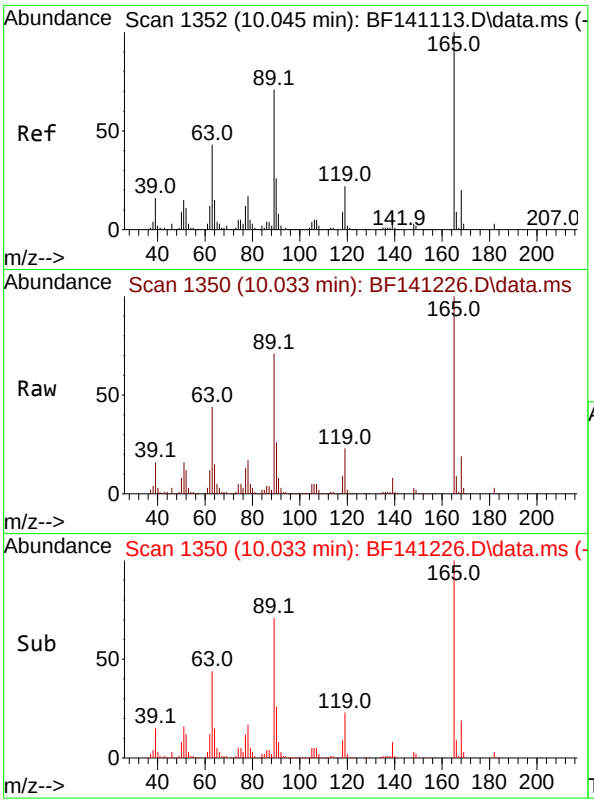


#56
4-Nitrophenol
Concen: 37.107 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:139 Resp: 172418

Ion	Ratio	Lower	Upper
139	100		
109	72.4	50.2	90.2
65	94.5	72.1	112.1



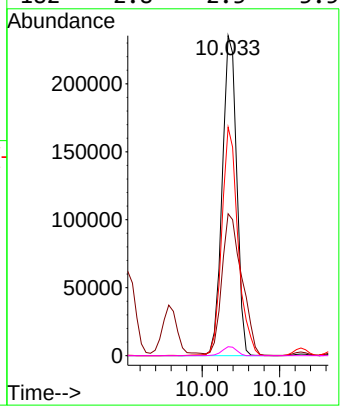


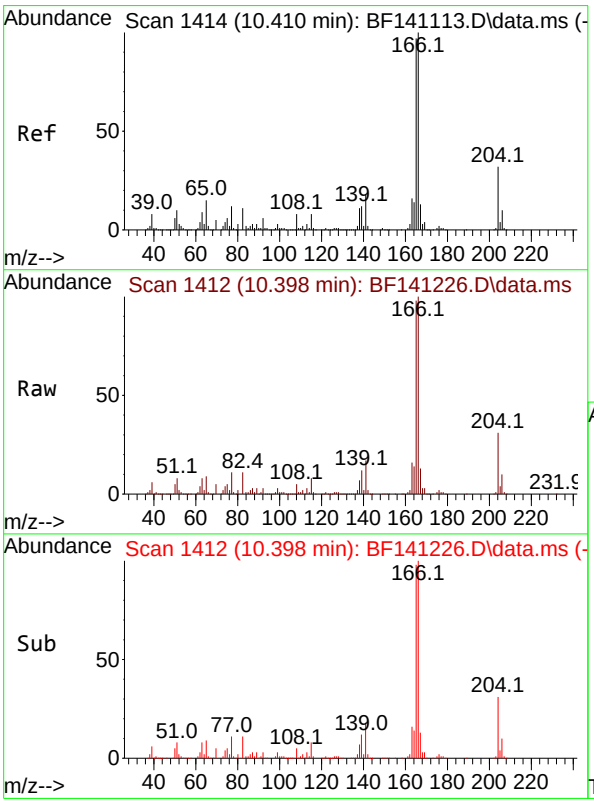
#57
2,4-Dinitrotoluene
Concen: 40.471 ng
RT: 10.033 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:165 Resp: 304507

Ion	Ratio	Lower	Upper
165	100		
63	44.4	35.0	52.4
89	71.4	56.7	85.1
182	2.8	2.3	3.5

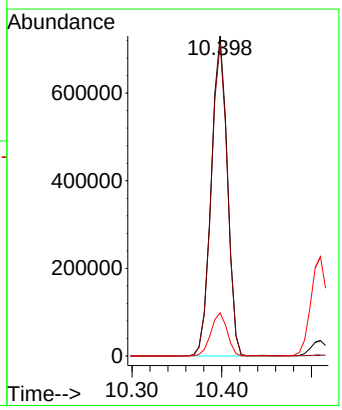


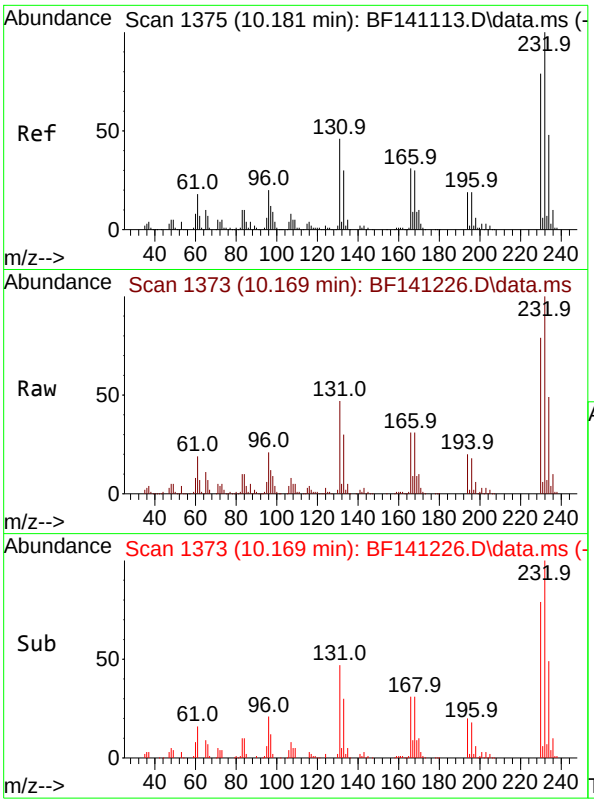


#58
Fluorene
Concen: 38.205 ng
RT: 10.398 min Scan# 1412
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:166 Resp: 911591

Ion	Ratio	Lower	Upper
166	100		
165	97.7	77.8	116.8
167	13.5	10.8	16.2



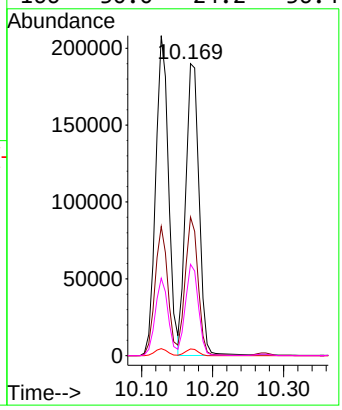


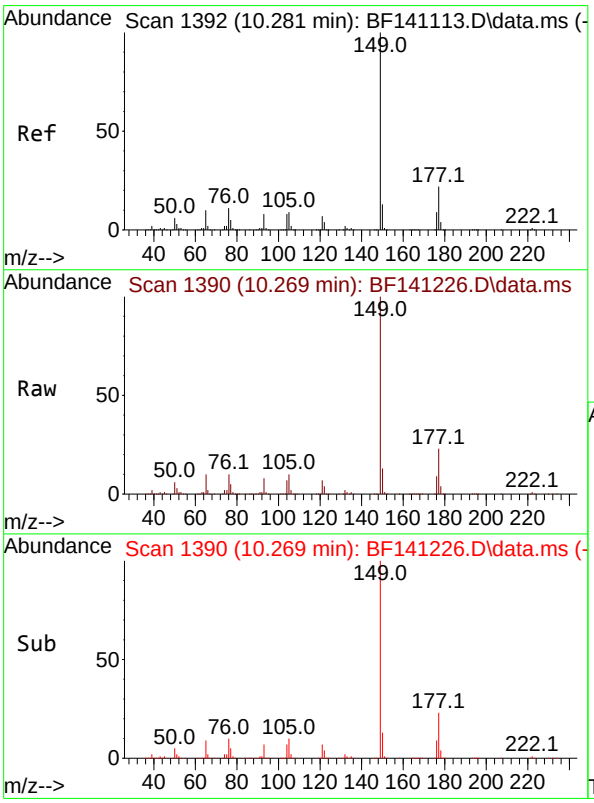
#59
2,3,4,6-Tetrachlorophenol
Concen: 38.983 ng
RT: 10.169 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:232 Resp: 247744

Ion	Ratio	Lower	Upper
232	100		
131	45.4	36.2	54.4
130	2.2	2.0	3.0
166	30.0	24.2	36.4

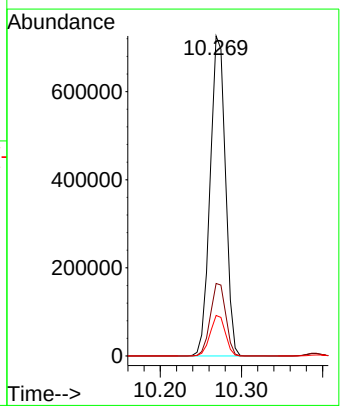


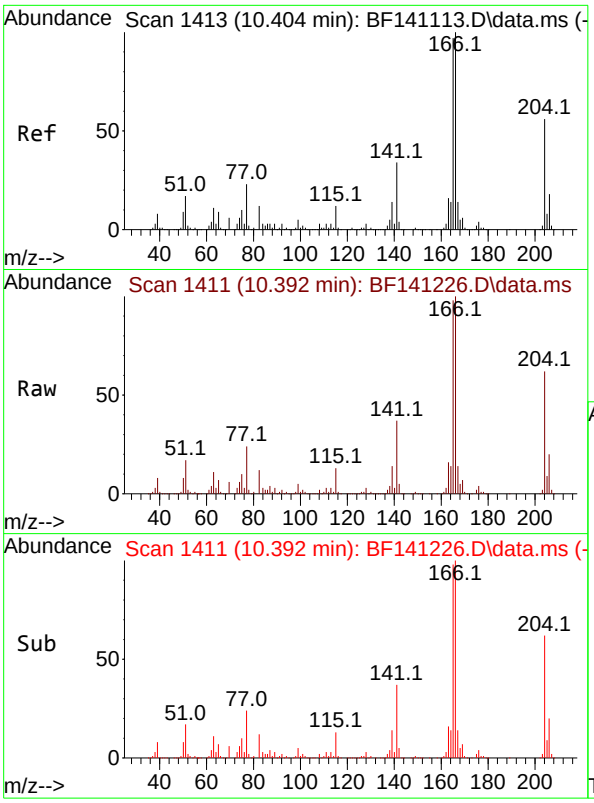


#60
Diethylphthalate
Concen: 38.745 ng
RT: 10.269 min Scan# 1390
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:149 Resp: 949655

Ion	Ratio	Lower	Upper
149	100		
177	22.7	17.9	26.9
150	12.7	10.2	15.2



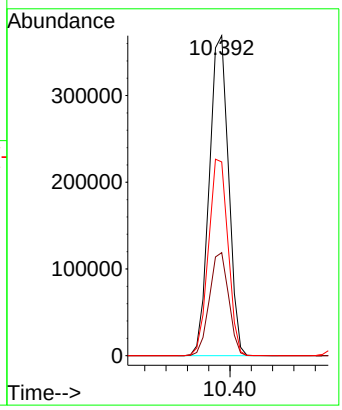


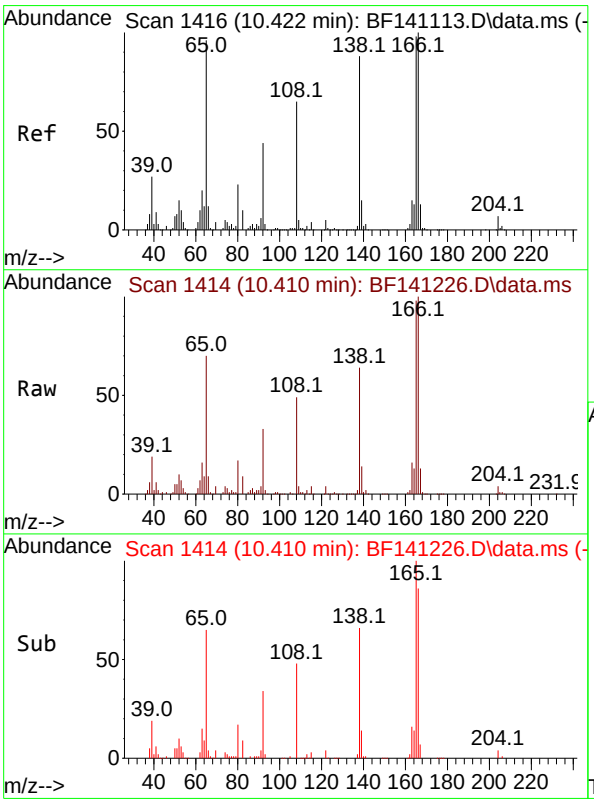
#61
4-Chlorophenyl-phenylether
Concen: 39.736 ng
RT: 10.392 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:204 Resp: 462094

Ion	Ratio	Lower	Upper
204	100		
206	32.2	25.9	38.9
141	60.5	49.1	73.7

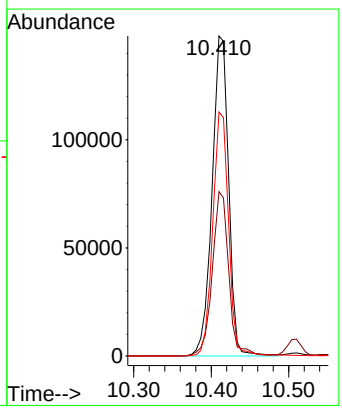


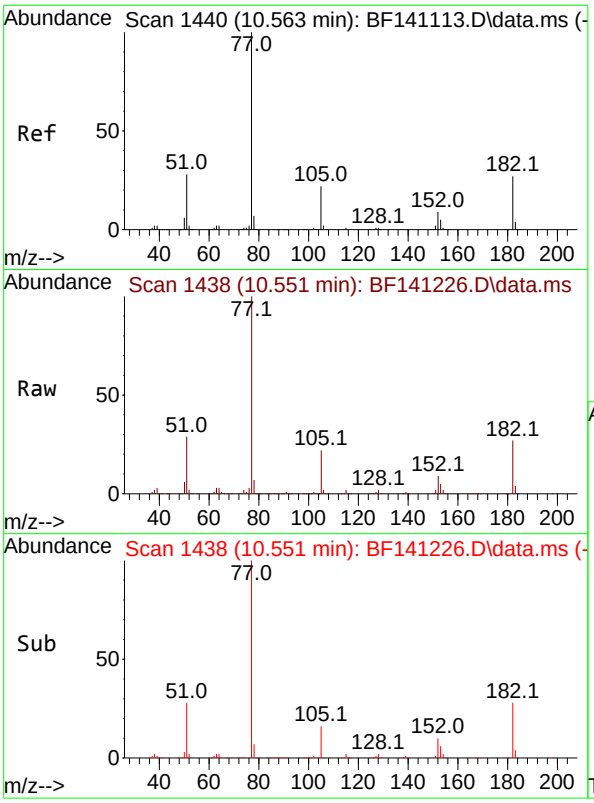


#62
4-Nitroaniline
Concen: 37.729 ng
RT: 10.410 min Scan# 1414
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:138 Resp: 219093

Ion	Ratio	Lower	Upper
138	100		
92	51.3	29.4	69.4
108	76.2	53.7	93.7



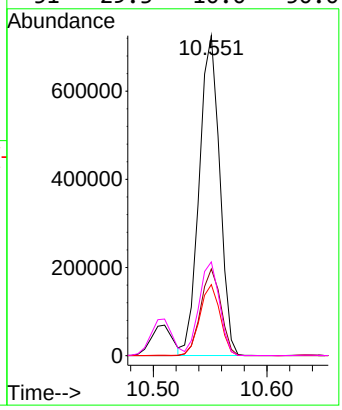


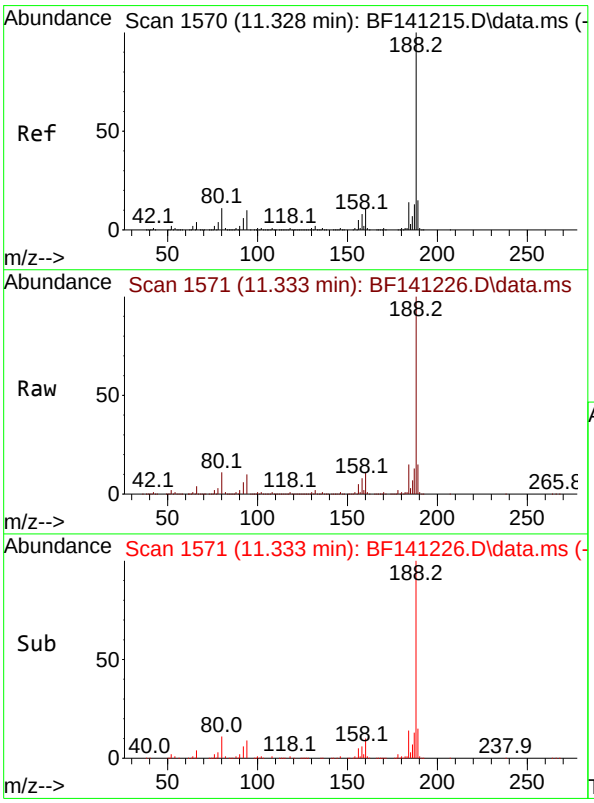
#63
Azobenzene
Concen: 37.525 ng
RT: 10.551 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 907541

Ion	Ratio	Lower	Upper
77	100		
182	27.1	6.1	46.1
105	22.2	2.1	42.1
51	29.3	10.0	50.0

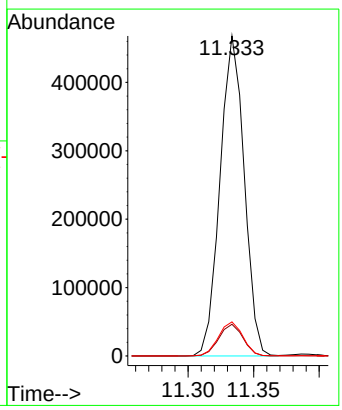


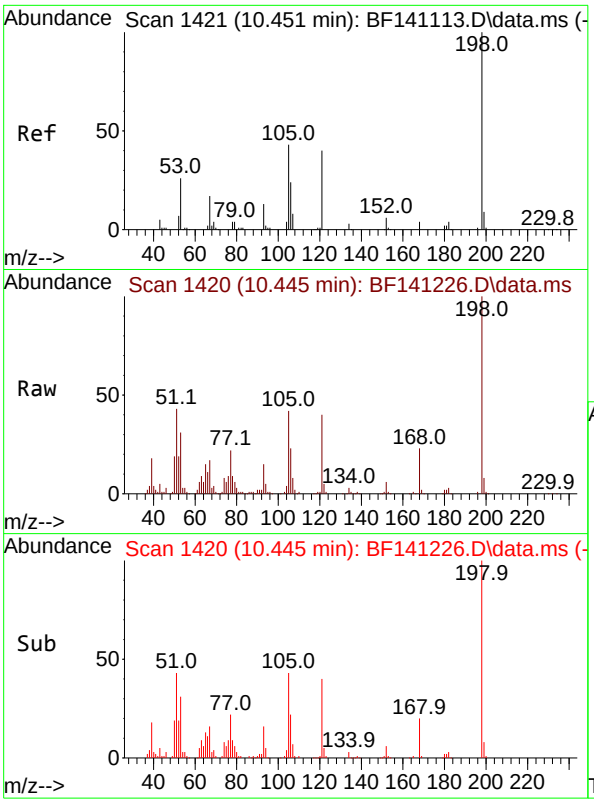


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.333 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:188 Resp: 599666

Ion	Ratio	Lower	Upper
188	100		
94	9.9	8.3	12.5
80	10.7	9.0	13.4



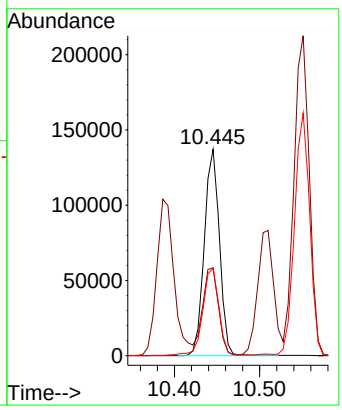


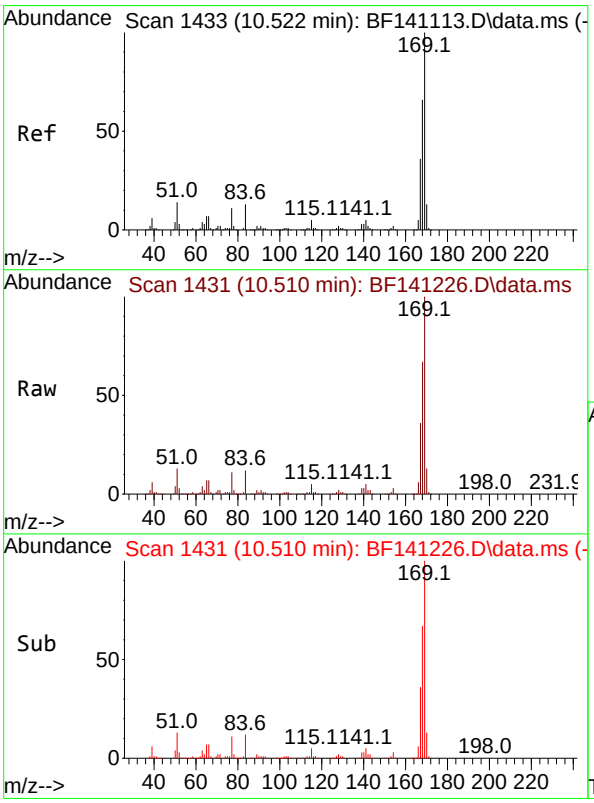
#65
4,6-Dinitro-2-methylphenol
Concen: 48.797 ng
RT: 10.445 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:198 Resp: 169564

Ion	Ratio	Lower	Upper
198	100		
51	42.6	27.1	67.1
105	42.4	24.2	64.2

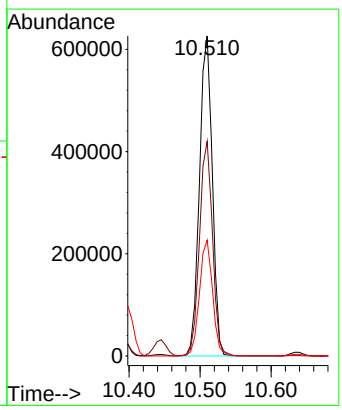


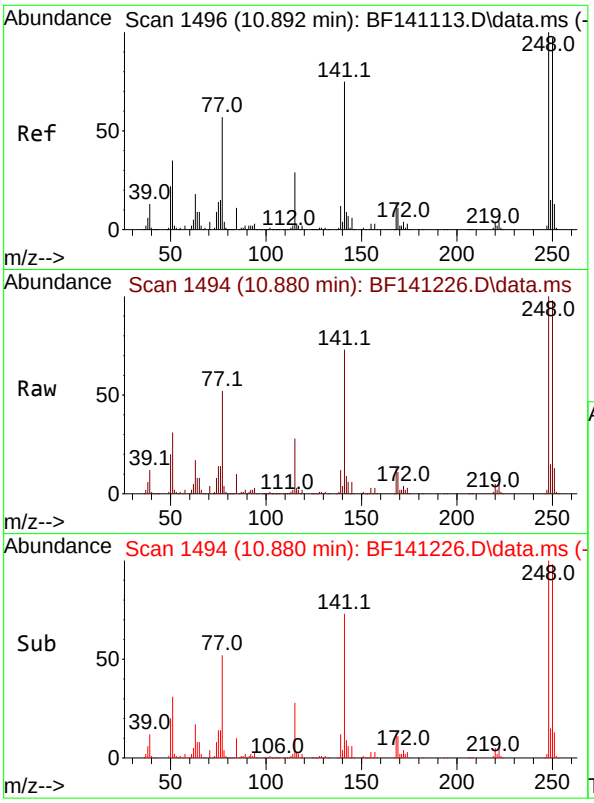


#66
n-Nitrosodiphenylamine
Concen: 40.779 ng
RT: 10.510 min Scan# 1431
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:169 Resp: 788748

Ion	Ratio	Lower	Upper
169	100		
168	67.0	52.5	78.7
167	36.2	28.9	43.3



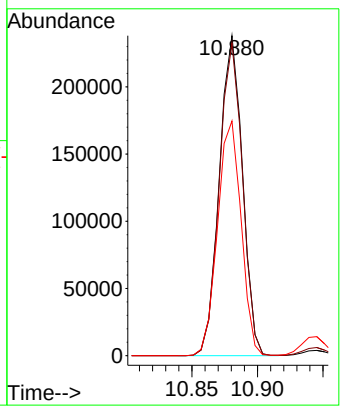


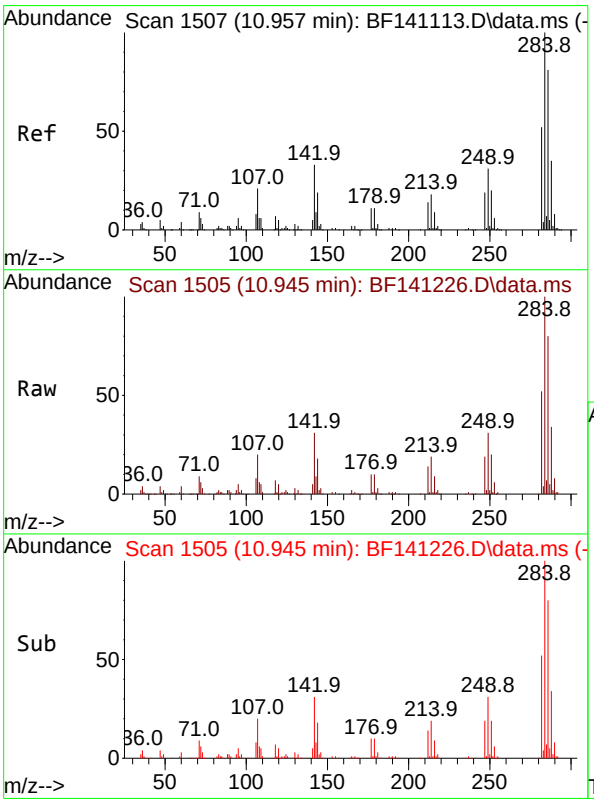
#67
4-Bromophenyl-phenylether
Concen: 42.342 ng
RT: 10.880 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:248 Resp: 292327

Ion	Ratio	Lower	Upper
248	100		
250	97.6	77.9	116.9
141	73.4	59.9	89.9

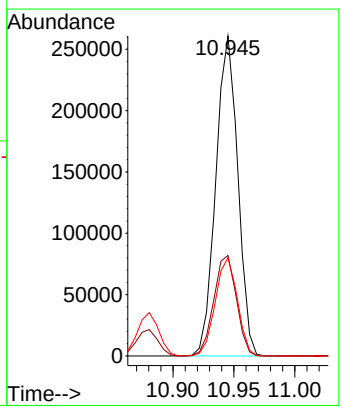


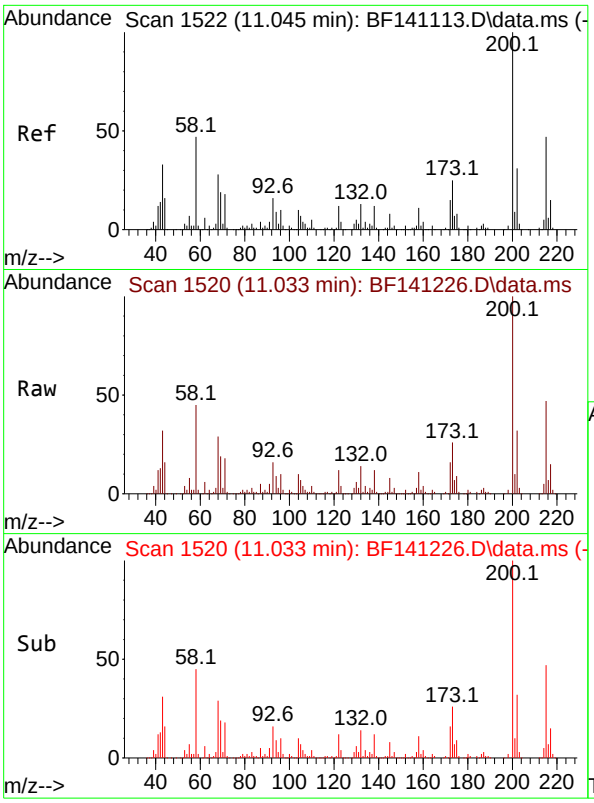


#68
Hexachlorobenzene
Concen: 42.682 ng
RT: 10.945 min Scan# 1505
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:284 Resp: 328024

Ion	Ratio	Lower	Upper
284	100		
142	31.4	26.3	39.5
249	30.7	24.9	37.3



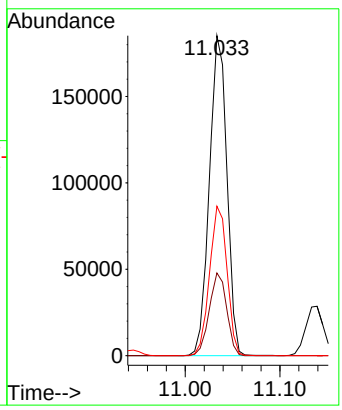


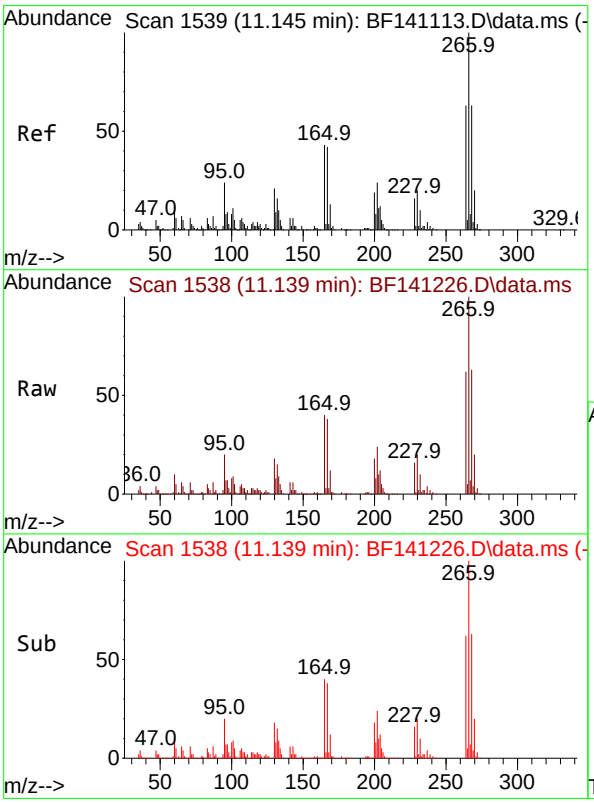
#69
Atrazine
Concen: 45.599 ng
RT: 11.033 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:200 Resp: 237477

Ion	Ratio	Lower	Upper
200	100		
173	25.8	5.4	45.4
215	46.7	26.6	66.6

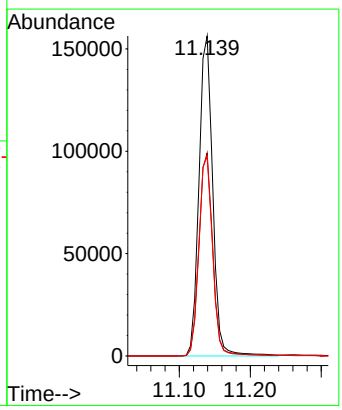


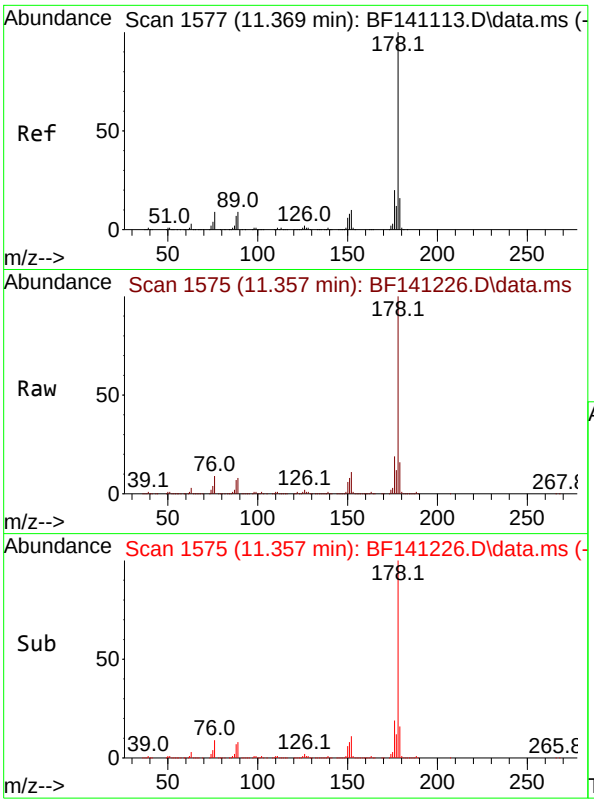


#70
Pentachlorophenol
Concen: 42.835 ng
RT: 11.139 min Scan# 1538
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:266 Resp: 210825

Ion	Ratio	Lower	Upper
266	100		
268	63.5	50.4	75.6
264	62.3	50.2	75.2



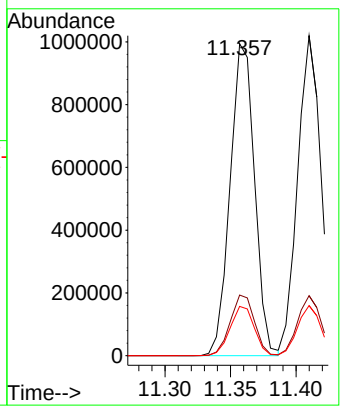


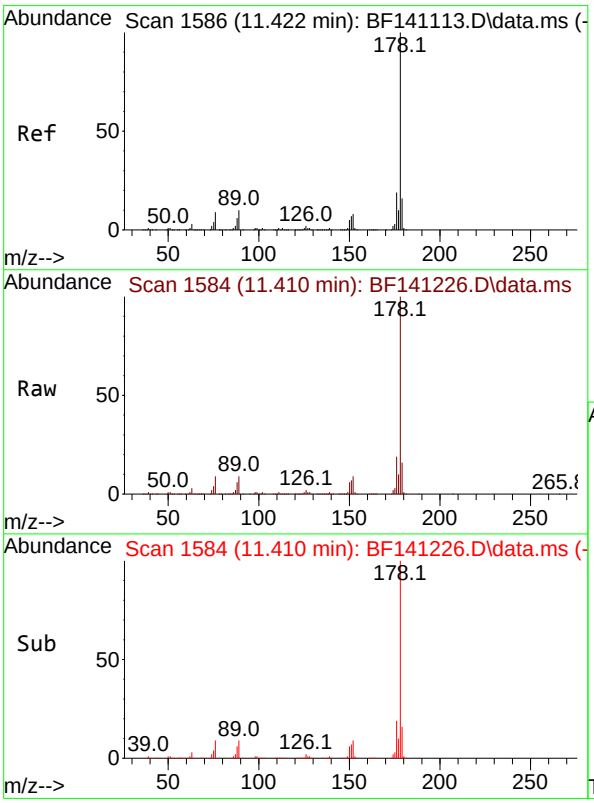
#71
Phenanthrene
Concen: 40.163 ng
RT: 11.357 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:178 Resp: 1293007

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.7	23.5
179	15.8	12.6	19.0

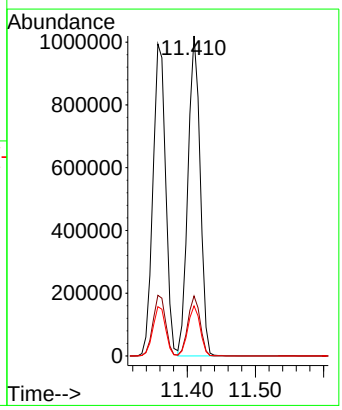


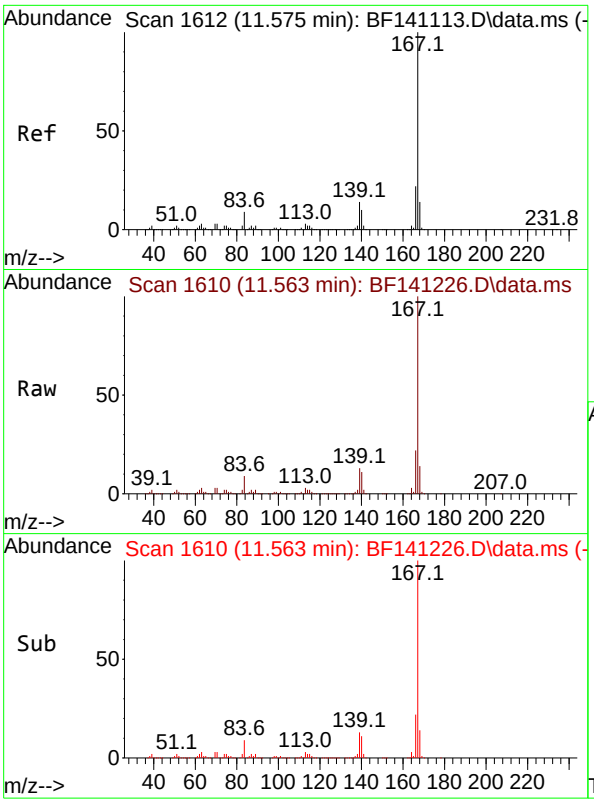


#72
Anthracene
Concen: 40.167 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:178 Resp: 1257400

Ion	Ratio	Lower	Upper
178	100		
176	18.8	14.9	22.3
179	15.7	12.6	19.0



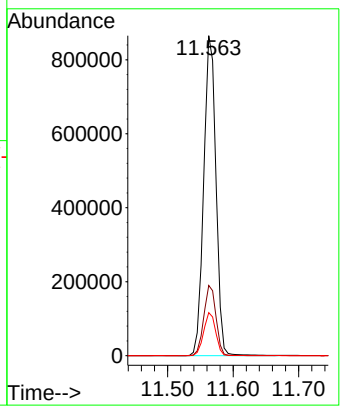


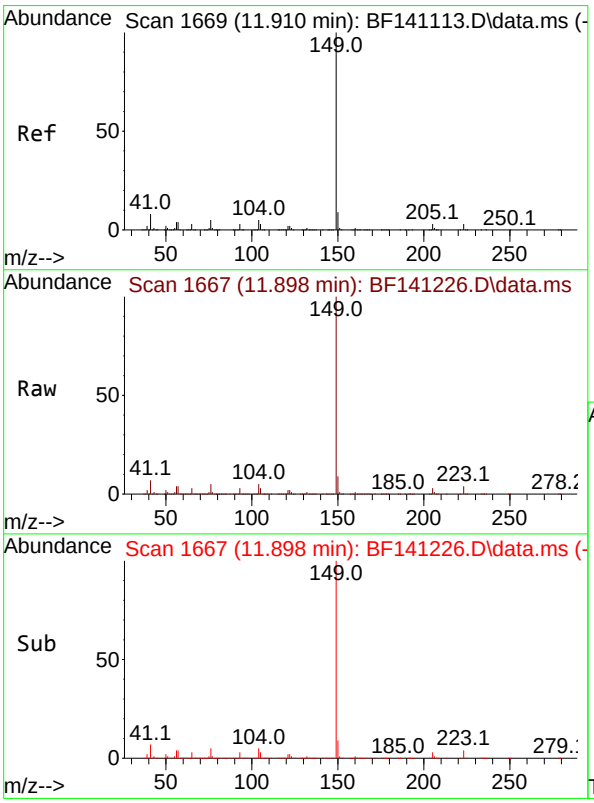
#73
Carbazole
Concen: 39.162 ng
RT: 11.563 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:167 Resp: 1124089

Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.4	26.2
139	13.4	10.9	16.3

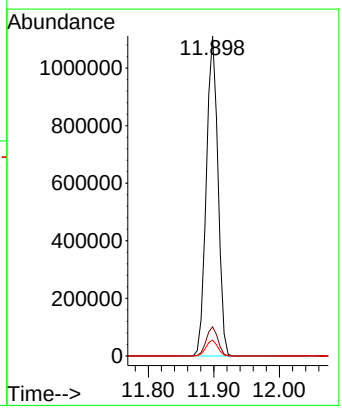


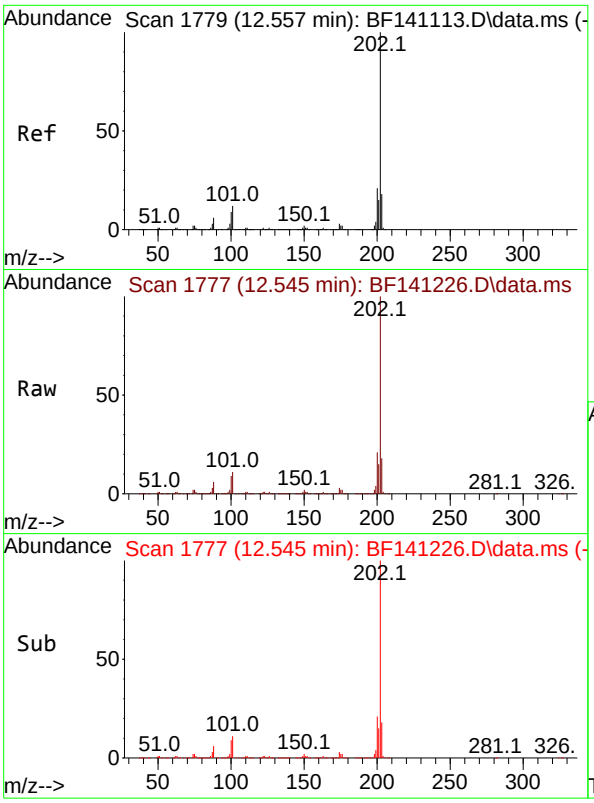


#74
Di-n-butylphthalate
Concen: 41.773 ng
RT: 11.898 min Scan# 1667
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:149 Resp: 1372194

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.4	11.2
104	5.0	4.2	6.2



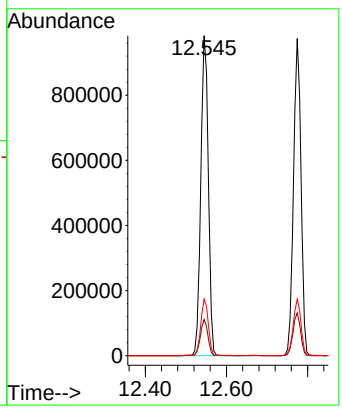


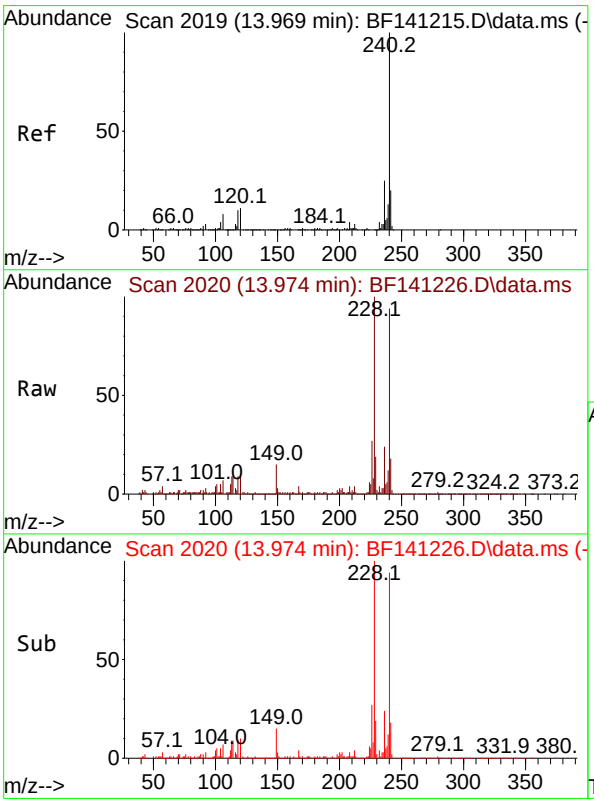
#75
Fluoranthene
Concen: 39.548 ng
RT: 12.545 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:202 Resp: 1270545

Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	32.3
203	17.6	0.0	37.7

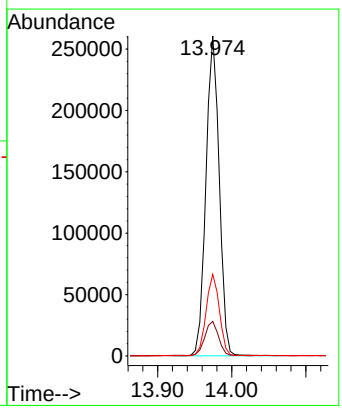


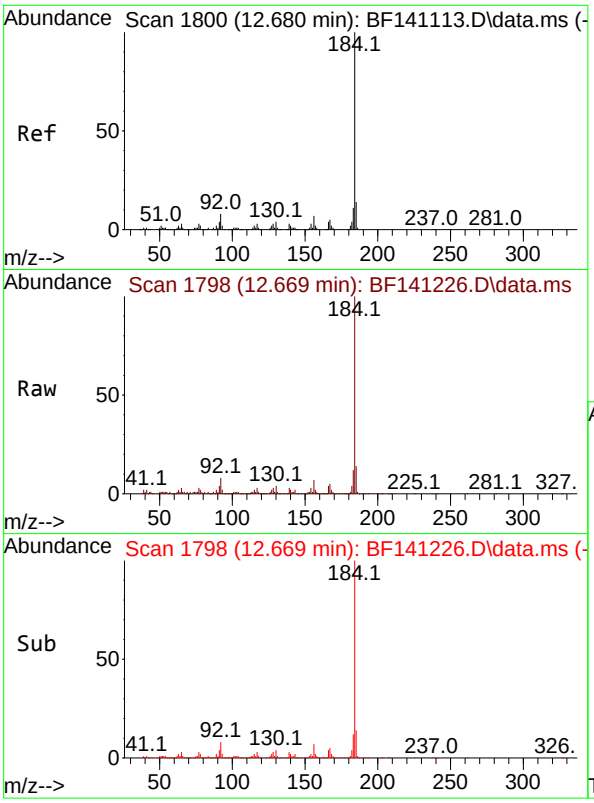


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:240 Resp: 324852

Ion	Ratio	Lower	Upper
240	100		
120	10.8	9.1	13.7
236	25.5	19.8	29.6



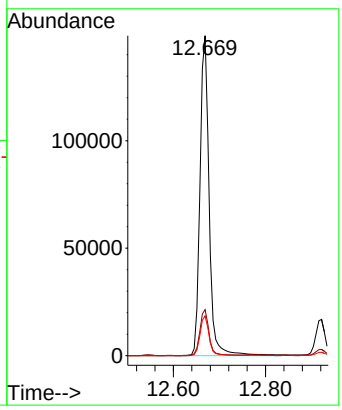


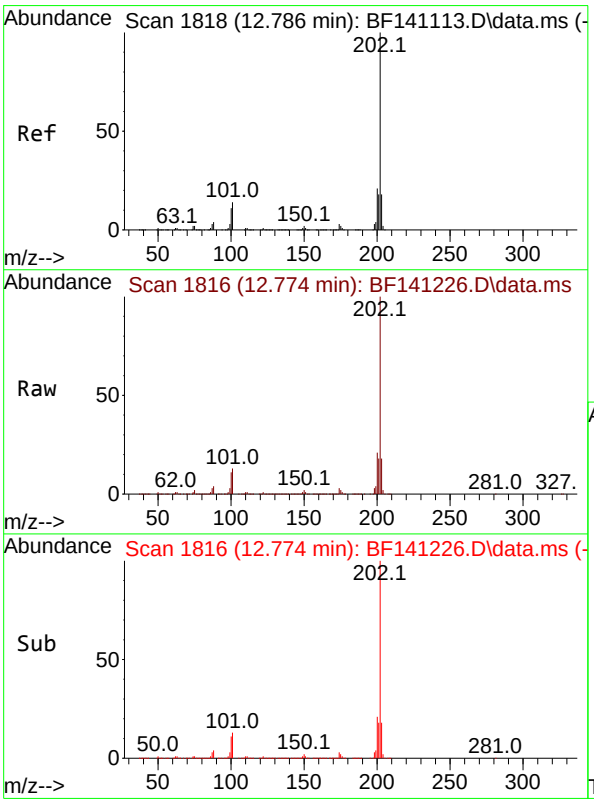
#77
Benzidine
Concen: 34.182 ng
RT: 12.669 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:184 Resp: 205920

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.4	17.0
183	12.4	9.2	13.8

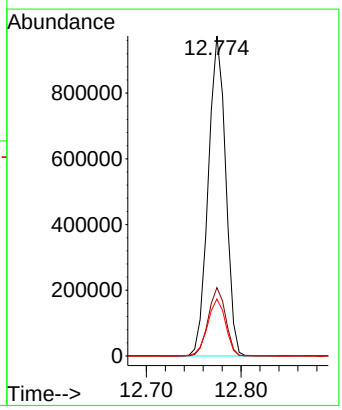


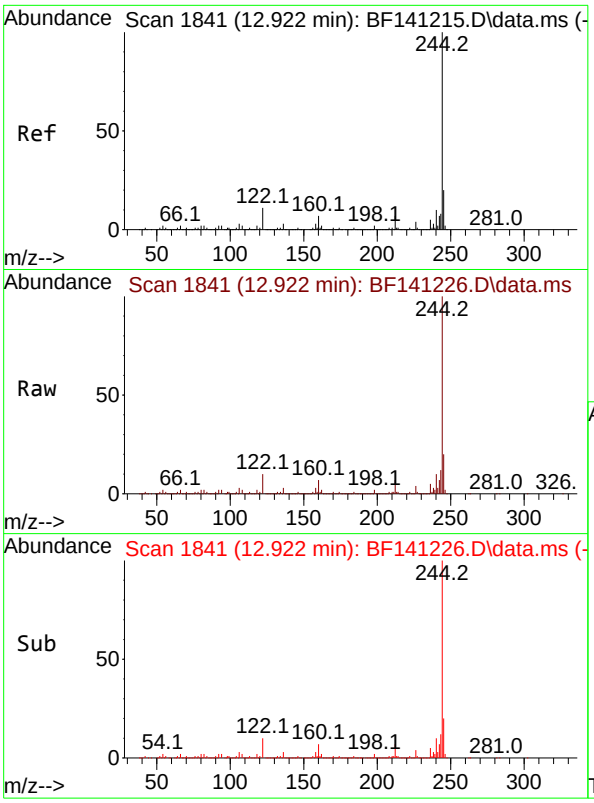


#78
Pyrene
Concen: 40.019 ng
RT: 12.774 min Scan# 1816
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:202 Resp: 1241696

Ion	Ratio	Lower	Upper
202	100		
200	21.3	16.8	25.2
203	17.8	14.3	21.5



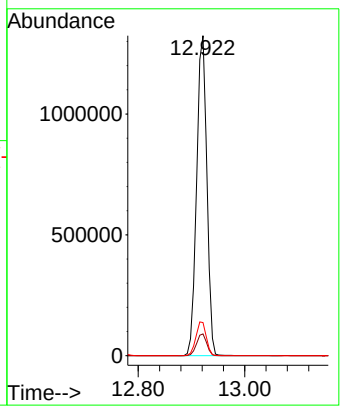


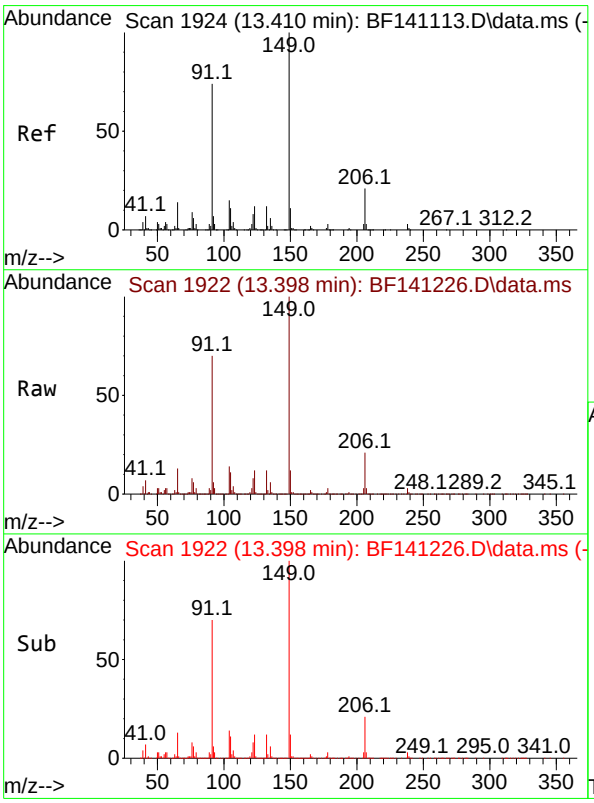
#79
Terphenyl-d14
Concen: 80.948 ng
RT: 12.922 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:244 Resp: 1769223

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.2
122	10.3	8.8	13.2

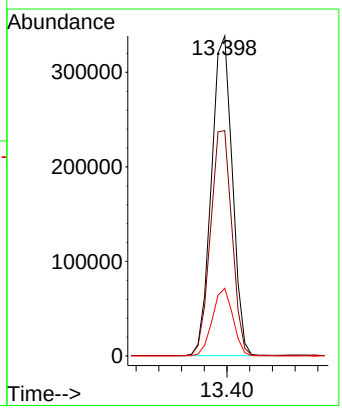


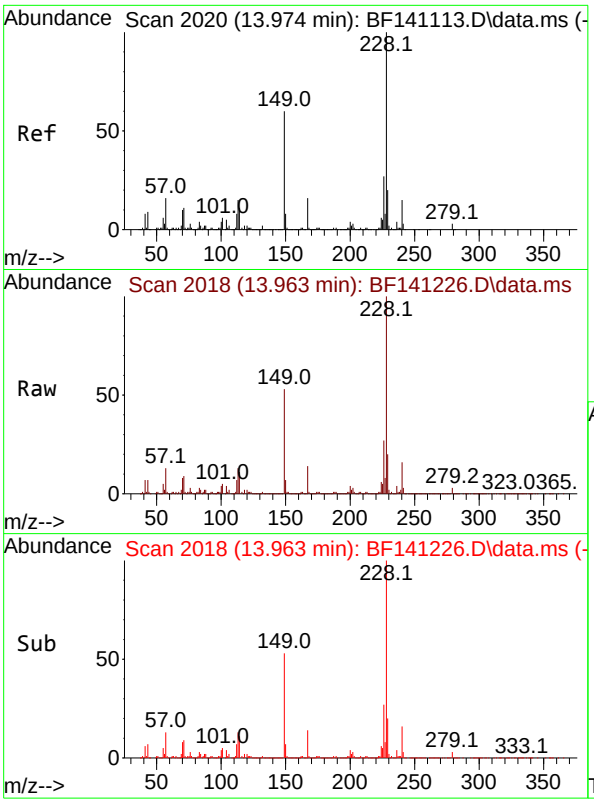


#80
Butylbenzylphthalate
Concen: 41.851 ng
RT: 13.398 min Scan# 1922
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:149 Resp: 432936

Ion	Ratio	Lower	Upper
149	100		
91	70.4	59.0	88.6
206	21.2	16.5	24.7



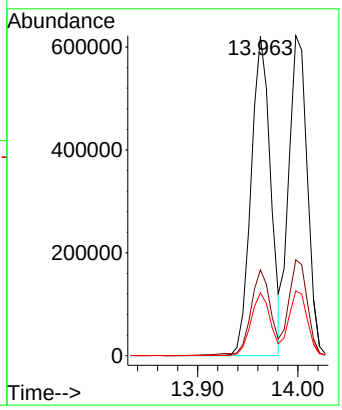


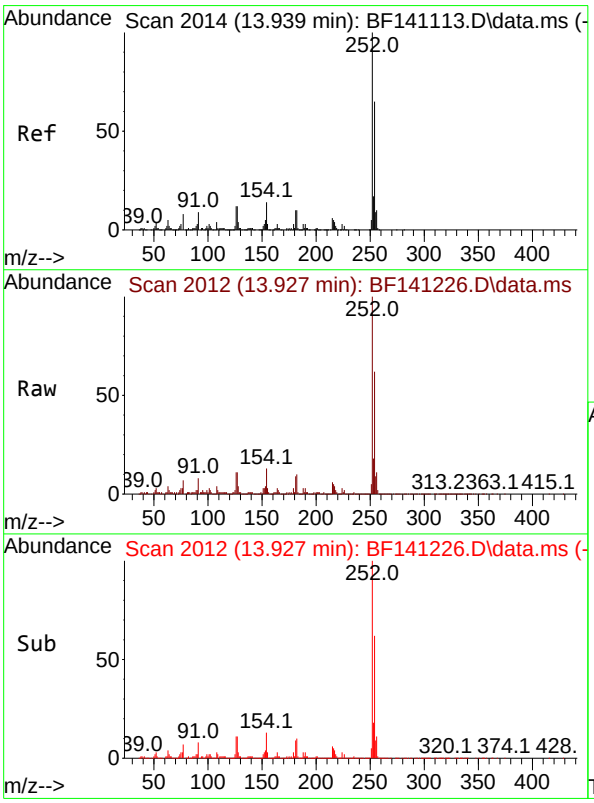
#81
Benzo(a)anthracene
Concen: 37.878 ng
RT: 13.963 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:228 Resp: 837402

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.7	32.5
229	19.7	15.7	23.5

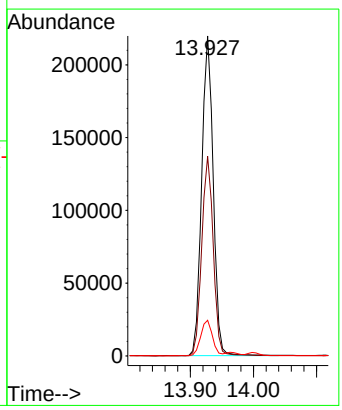


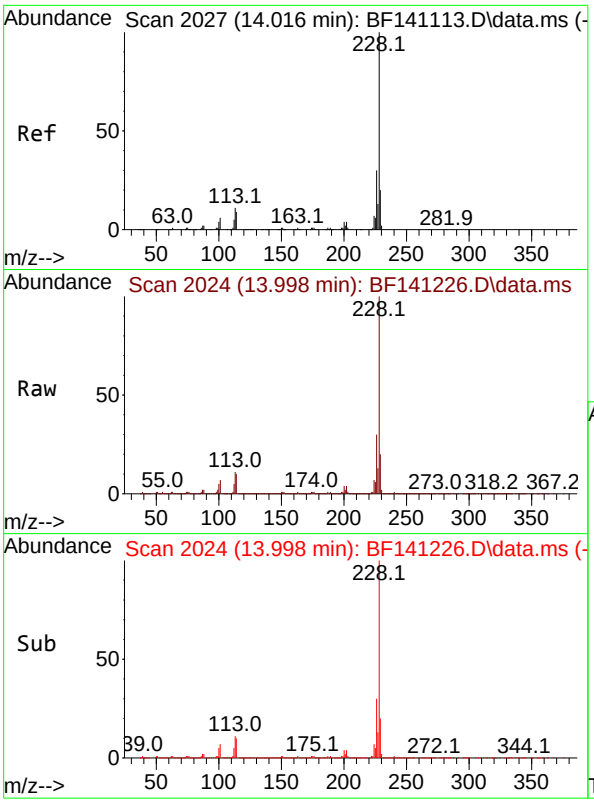


#82
3,3'-Dichlorobenzidine
Concen: 39.470 ng
RT: 13.927 min Scan# 2012
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:252 Resp: 277856

Ion	Ratio	Lower	Upper
252	100		
254	62.4	52.0	78.0
126	11.2	9.4	14.0



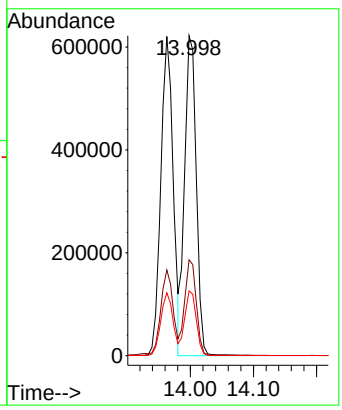


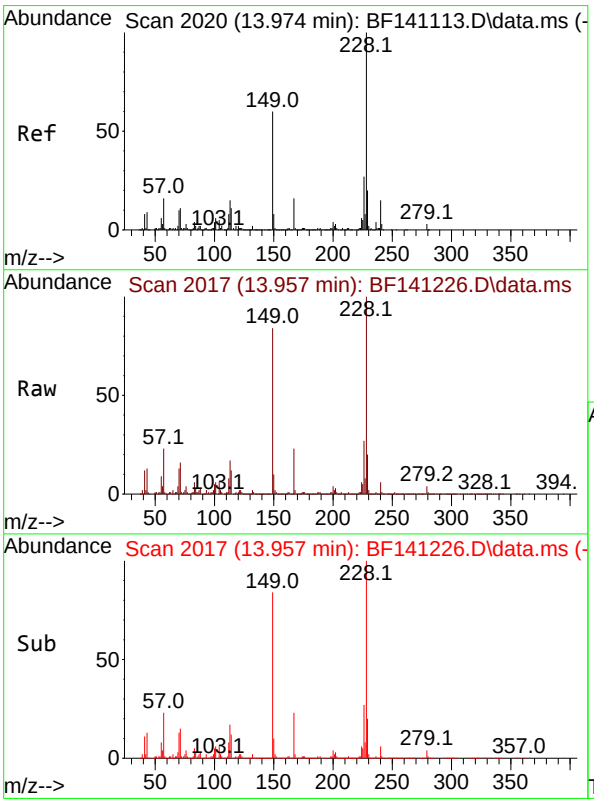
#83
Chrysene
Concen: 38.728 ng
RT: 13.998 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:228 Resp: 801142

Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.8	35.8
229	20.2	15.8	23.8

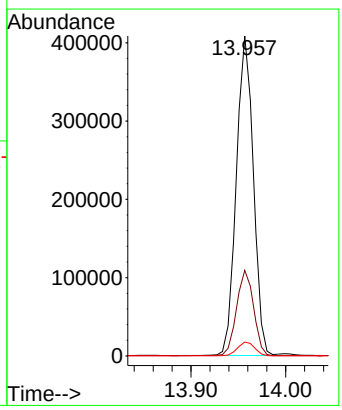


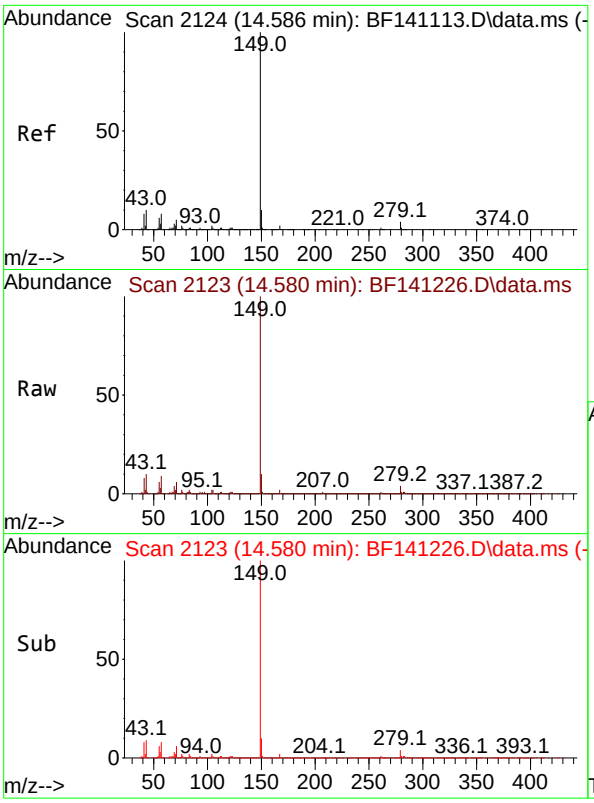


#84
Bis(2-ethylhexyl)phthalate
Concen: 41.108 ng
RT: 13.957 min Scan# 2017
Delta R.T. -0.018 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:149 Resp: 510246

Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.4	32.2
279	4.4	3.4	5.2



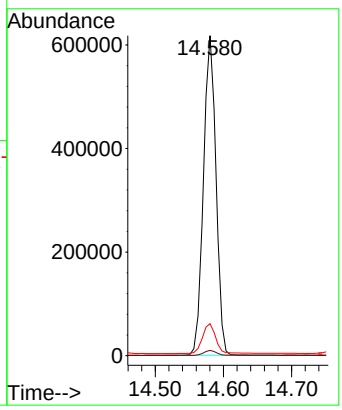


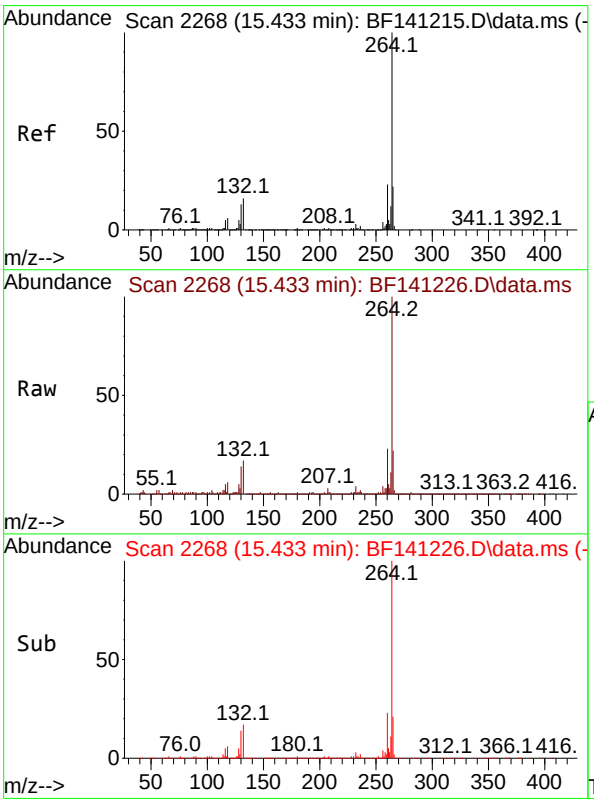
#85
Di-n-octyl phthalate
Concen: 42.150 ng
RT: 14.580 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:149 Resp: 790044

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.3	1.9
43	10.1	8.4	12.6

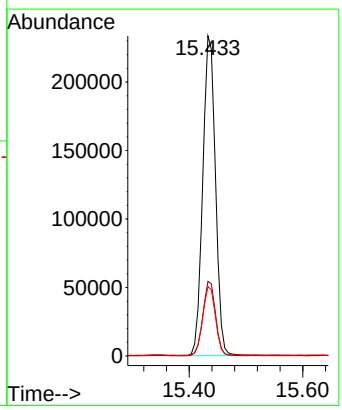


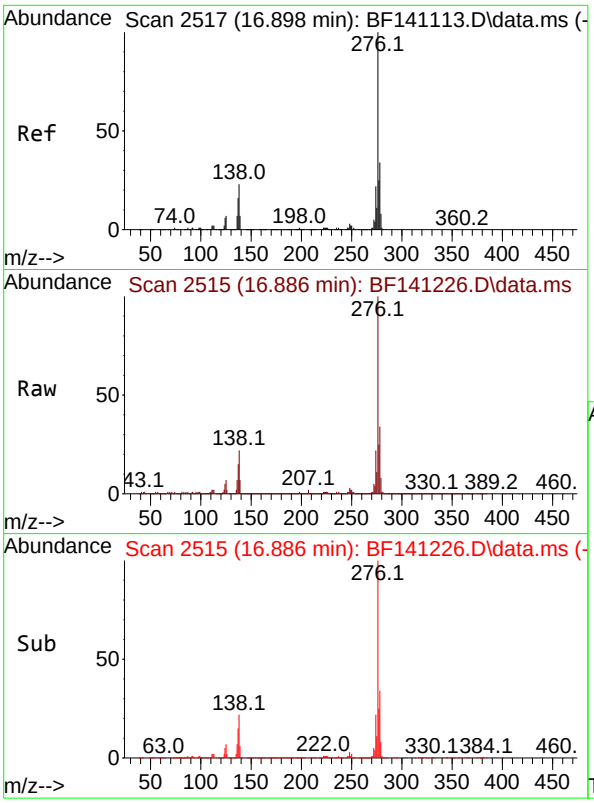


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 2268
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:264 Resp: 361185

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	28.0
265	21.7	17.4	26.0



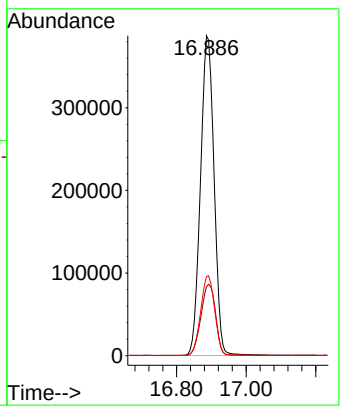


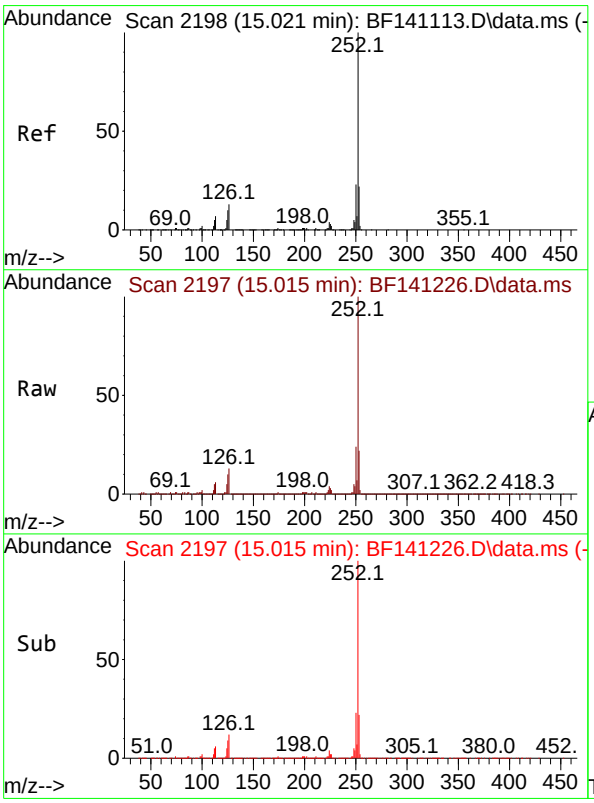
#87
Indeno(1,2,3-cd)pyrene
Concen: 39.718 ng
RT: 16.886 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:276 Resp: 1050995

Ion	Ratio	Lower	Upper
276	100		
138	23.9	20.7	31.1
277	25.8	20.6	30.8

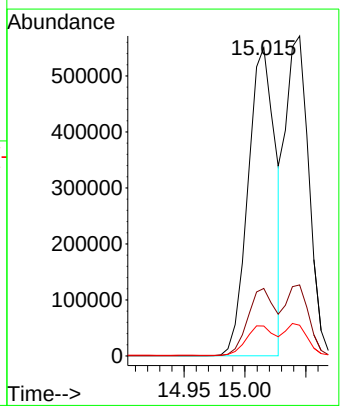


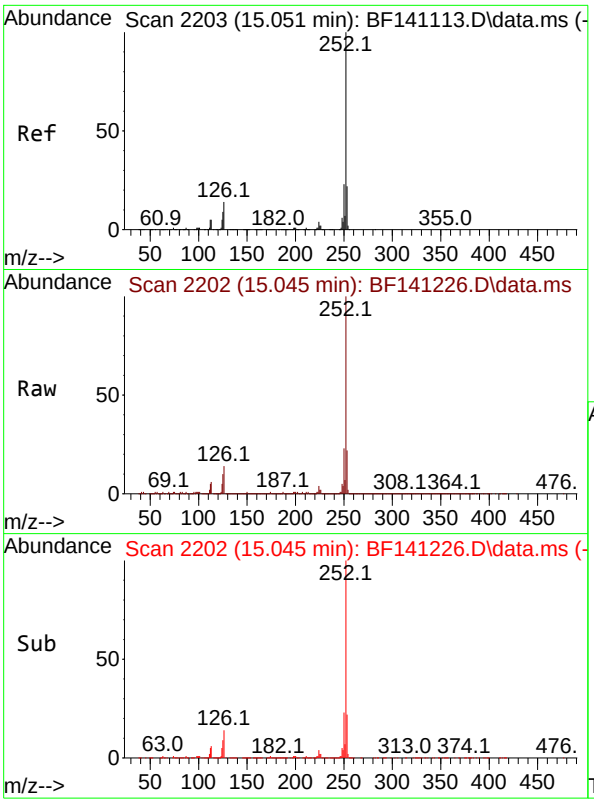


#88
Benzo(b)fluoranthene
Concen: 36.737 ng
RT: 15.015 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:252 Resp: 855613

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.6
125	9.7	8.1	12.1



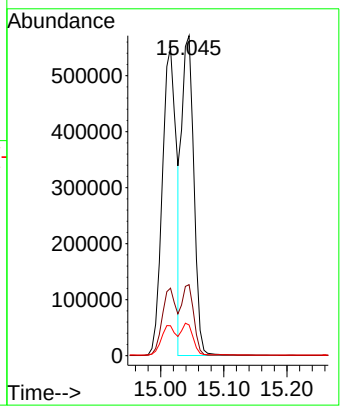


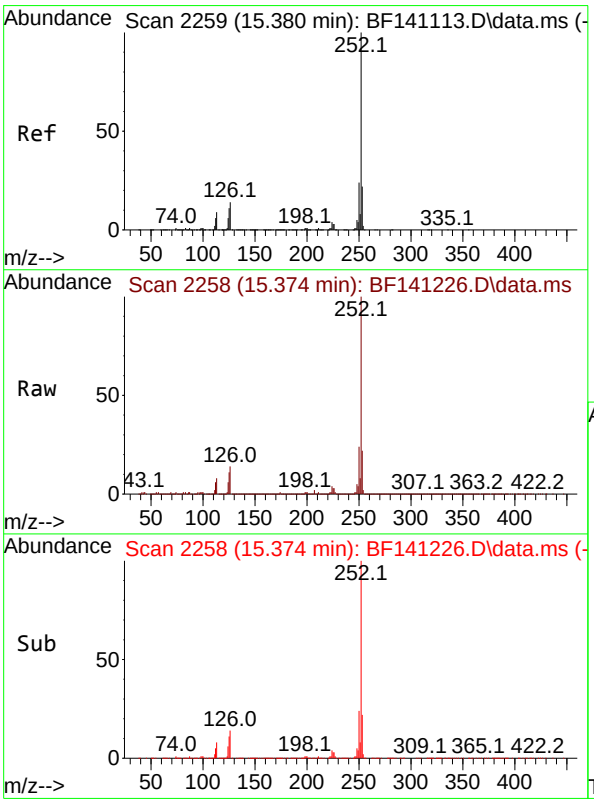
#89
Benzo(k)fluoranthene
Concen: 38.834 ng
RT: 15.045 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:252 Resp: 764346

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.8
125	9.6	7.9	11.9

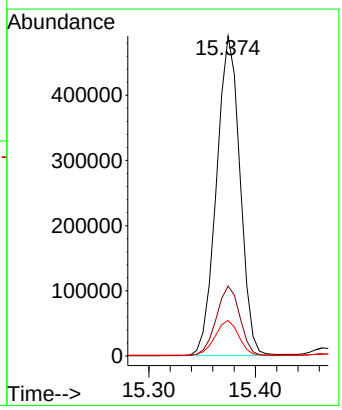


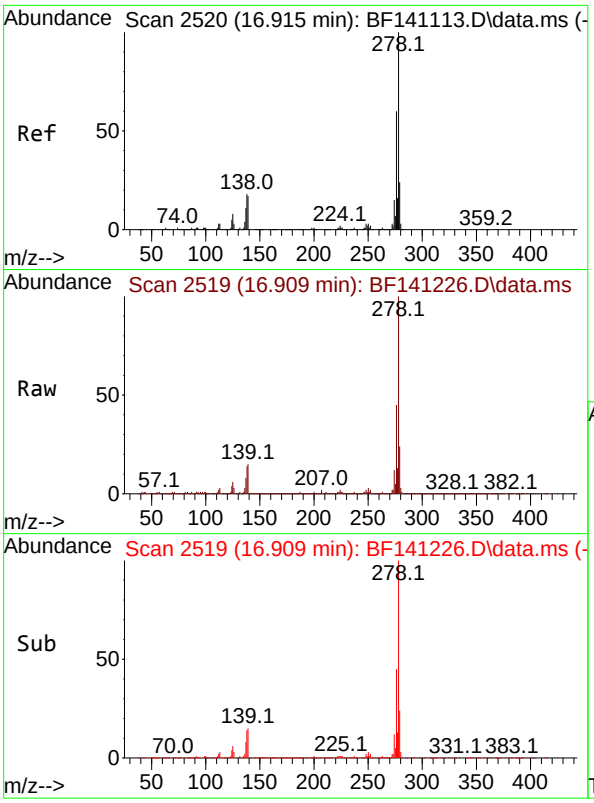


#90
Benzo(a)pyrene
Concen: 39.100 ng
RT: 15.374 min Scan# 2258
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:252 Resp: 751340

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	11.1	9.1	13.7



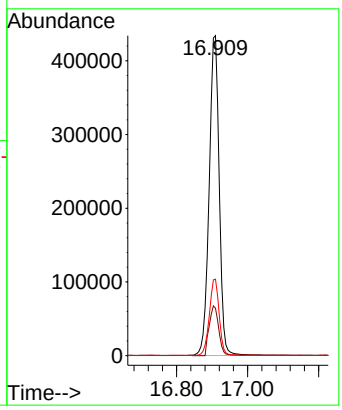


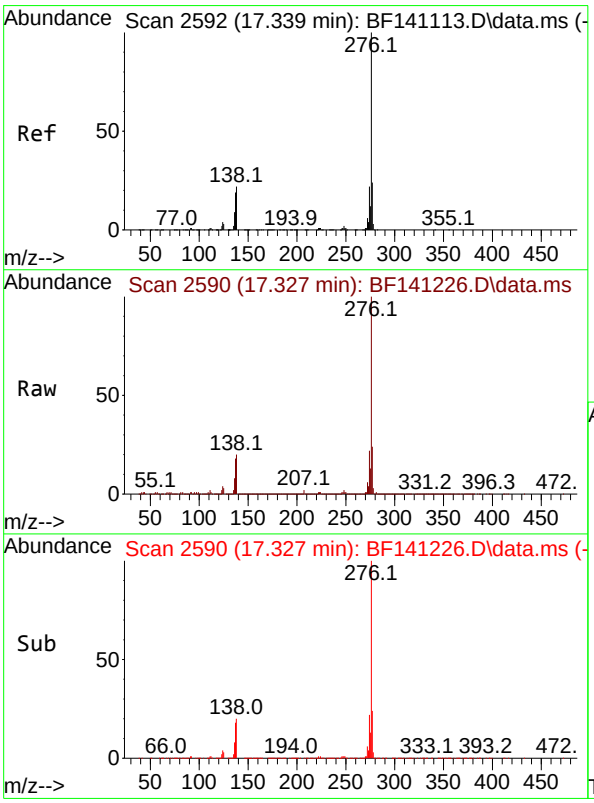
#91
Dibenzo(a,h)anthracene
Concen: 40.120 ng
RT: 16.909 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:278 Resp: 858665

Ion	Ratio	Lower	Upper
278	100		
139	14.9	13.8	20.6
279	23.9	19.1	28.7





#92
Benzo(g,h,i)perylene
Concen: 39.913 ng
RT: 17.327 min Scan# 2590
Delta R.T. -0.012 min
Lab File: BF141226.D
Acq: 20 Jan 2025 16:58

Tgt Ion:276 Resp: 888516

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.0	28.4
138	20.2	17.4	26.2

