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

DATA PACKAGE

SEMI-VOLATILE ORGANICS

PROJECT NAME : NWIRP BETHPAGE 112G08005-WE13

TETRA TECH NUS, INC.

661 Andersen Drive

Suite 200

Pittsburgh, PA - 15220-2745

Phone No: 412-921-7090

ORDER ID : Q1985

ATTENTION : Ernie Wu

Laboratory Certification ID # 20012

Table Of Contents for Q1985

1) SEMI-VOLATILE DATA 2
2) Signature Page 4
3) Case Narrative 5
4) Qualifier Page 7
5) Conformance/Non Conformance 8
6) QA Checklist 11
7) Chronicle 12
8) Hit Summary 13
9) QC Data Summary For SVOC-TCL BNA -20 14
9.1) Deuterated Monitoring Compound Summary 15
9.2) MS/MSD Summary 16
9.3) LCS/LCSD Summary 20
9.4) Method Blank Summary 22
9.5) GS/MS Tune Summary 23
9.6) Internal Standard Area and RT Summary 25
10) Sample Data 27
10.1) RW8-BW-20250507 28
11) Calibration Data Summary 47
11.1) Initial Calibration Data 3
11.1.1) BF050525 48
11.2) Continued Calibration Data 462
11.2.1) BF142384.D 462
11.2.2) BF142391.D 519
12) QC Sample Data 576
12.1) Tune Raw Data 577
12.2) Method Blank Data 585
12.3) LCS Data 602
12.4) MS Data 654
12.5) MSD Data 706
13) Manual Integration 758
14) Analytical Runlogs 762
15) Extraction Logs 768
15.1) PB167951.pdf 768
15.2) PB167951IC.pdf 770
16) Standard Prep Logs 772

17) Shipping Document 845
17.1) Chain Of Custody 846
17.2) Lab Certificate 847
17.3) Internal COC 848
18) Not Reviewed Data 849

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

Cover Page

Order ID : Q1985

Project ID : NWIRP Bethpage 112G08005-WE13

Client : Tetra Tech NUS, Inc.

Lab Sample Number	Client Sample Number
Q1985-01	RW8-BW-20250507
Q1985-02	TB-20250507

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

Signature : APPROVED
By Nimisha Pandya, QA/QC Supervisor at 1:55 pm, May 20, 2025

Date: 5/19/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

CASE NARRATIVE

Tetra Tech NUS, Inc.
Project Name: NWIRP Bethpage 112G08005-WE13
Project Manager# Ernie Wu
Order ID # Q1985
Test Name: SVOC-TCL BNA -20

A. Number of Samples and Date of Receipt:
2 Water samples were received on 05/08/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: Mercury, Metals ICP-TAL, METALS-TAL, pH, SVOC-SIMGroup1, SVOC-TCL BNA -20, TSS and VOCMS Group1. 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 MS {Q1993-02MS} with File ID: BF142388.D recoveries met the requirements for all compounds except for 1,4-Dioxane[35%] and Diethylphthalate[140%],due to matrix interference.

The MSD {Q1993-03MSD} with File ID: BF142389.D recoveries met the acceptable requirements except for 1,4-Dioxane[36%] and Diethylphthalate[145%],due to matrix interference.

The RPD met criteria .

The Blank Spike for {PB167951BS} with File ID: BF142386.D met requirements for all samples except for 1,4-Dioxane[64%], 4-Chloroaniline[18%],Recovery of these compounds were marginally biased low, Therefore no corrective action was taken.

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

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

The % RSD is greater than 20% in the Initial Calibration (8270-BF050525.M) for 2-Nitrophenol, 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol, Butylbenzlphthalate, Bis(2-ethylhexyl)phthalate, Di-n-octyl phthalate these compound are passing on Linear Regression.

The Continuous Calibration File ID BF142384.D met the requirements except for 2,4-Dinitrophenol, 2,4-Dinitrotoluene,2-Nitrophenol , 3,3-Dichlorobenzidine, 4,6-Dinitro-2-methylphenol, 4-Nitroaniline, 4-Nitrophenol and Pentachlorophenol ,are failing high but no positive hit in associate sample therefore no corrective action taken.

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 Sample RW8-BW-20250507 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.
The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.
The not QT review data is reported in the Miscellaneous.

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

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

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

Signature_____ **APPROVED**
By Nimisha Pandya, QA/QC Supervisor at 1:56 pm, May 20, 2025

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

DATA REPORTING QUALIFIERS- ORGANIC

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

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

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

ORDER ID: Q1985 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 % RSD is greater than 20% in the Initial Calibration (8270-BF050525.M) for 2-Nitrophenol, 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol, Butylbenzlphthalate, Bis(2-ethylhexyl)phthalate, Di-n-octyl phthalate these compound are passing on Linear Regression.			
	The Continuous Calibration File ID BF142384.D met the requirements except for 2,4-Dinitrophenol, 2,4-Dinitrotoluene,2-Nitrophenol , 3,3-Dichlorobenzidine, 4,6-Dinitro-2-methylphenol, 4-Nitroaniline, 4-Nitrophenol and Pentachlorophenol ,are failing high but no positive hit in associate 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.			

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

		NA	NO	YES
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria		✓	
	If not met, list those compounds and their recoveries which fall outside the acceptable range. The MS {Q1993-02MS} with File ID: BF142388.D recoveries met the requirements for all compounds except for 1,4-Dioxane[35%] and Diethylphthalate[140%],due to matrix interference. The MSD {Q1993-03MSD} with File ID: BF142389.D recoveries met the acceptable requirements except for 1,4-Dioxane[36%] and Diethylphthalate[145%],due to matrix interference. The Blank Spike for {PB167951BS} with File ID: BF142386.D met requirements for all samples except for 1,4-Dioxane[64%], 4-Chloroaniline[18%],Recovery of these compounds were marginally biased low,Thefore no corrective action was taken.			
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 Sample RW8-BW-20250507 have the concentration of target compound below Method detection limits, therefore it is not reported as Hit in Form1.

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

The not QT review data is reported in the Miscellaneous.

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

REVIEWED
By Sohil Jodhani, QA/QC Director at 1:41 pm, May 20, 2025

QA REVIEW

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

(CONTINUED)

NA NO YES

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q1985

	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:** 05/19/2025

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

LAB CHRONICLE

OrderID:	Q1985	**OrderDate:**	5/8/2025 10:49:00 AM
Client:	Tetra Tech NUS, Inc.	**Project:**	NWIRP Bethpage 112G08005-WE13
Contact:	Ernie Wu	**Location:**	L41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1985-01	**RW8-BW-20250507**	**Water**			**05/07/25**			**05/08/25**
			SVOC-SIMGroup1	8270-Modified		05/13/25	05/14/25	
			SVOC-TCL BNA -20	8270E		05/12/25	05/15/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q1985

Client: Tetra Tech NUS, Inc.

Sample ID	Client ID		Parameter		Concentration	C	MDL	LOD	RDL	Units
Client ID :	**RW8-BW-20250507**									
Q1985-01	RW8-BW-20250507	WATER	Di-n-butylphthalate		5.300		1.2	4	5	ug/L
Q1985-01	RW8-BW-20250507	WATER	Bis(2-ethylhexyl)phthalate		4.600	J	1.6	4	5	ug/L
Q1985-01	RW8-BW-20250507	WATER	Di-n-octyl phthalate		8.100	J	2.3	8	10	ug/L
			Total Svoc :				**18.00**			
Q1985-01	RW8-BW-20250507	WATER	2-Pentanone, 4-hydroxy-4-methyl	*	4.300	AB	0		0	ug/L
Q1985-01	RW8-BW-20250507	WATER	Benzophenone	*	2.900	J	0		0	ug/L
			Total Tics :				**7.20**			
			Total Concentration:				**25.20**			

QC SUMMARY

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

Surrogate Summary

SW-846

SDG No.: Q1985

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB167951BL	PB167951BL	2-Fluorophenol	150	126	84		19	119
		Phenol-d6	150	123	82		10	130
		Nitrobenzene-d5	100	86.0	86		44	120
		2-Fluorobiphenyl	100	74.5	75		44	119
		2,4,6-Tribromophenol	150	155	103		43	140
		Terphenyl-d14	100	72.8	73		50	134
PB167951BS	PB167951BS	2-Fluorophenol	150	119	80		19	119
		Phenol-d6	150	117	78		10	130
		Nitrobenzene-d5	100	81.6	82		44	120
		2-Fluorobiphenyl	100	71.6	72		44	119
		2,4,6-Tribromophenol	150	142	95		43	140
		Terphenyl-d14	100	79.3	79		50	134
Q1985-01	RW8-BW-20250507	2-Fluorophenol	150	65.0	43		19	119
		Phenol-d6	150	41.6	28		10	130
		Nitrobenzene-d5	100	93.7	94		44	120
		2-Fluorobiphenyl	100	78.8	79		44	119
		2,4,6-Tribromophenol	150	151	101		43	140
		Terphenyl-d14	100	86.9	87		50	134
Q1993-02MS	MW-3-20250508MS	2-Fluorophenol	150	63.8	43		19	119
		Phenol-d6	150	41.3	28		10	130
		Nitrobenzene-d5	100	85.9	86		44	120
		2-Fluorobiphenyl	100	76.0	76		44	119
		2,4,6-Tribromophenol	150	138	92		43	140
		Terphenyl-d14	100	68.2	68		50	134
Q1993-03MSD	MW-3-20250508MSD	2-Fluorophenol	150	67.2	45		19	119
		Phenol-d6	150	43.9	29		10	130
		Nitrobenzene-d5	100	90.4	90		44	120
		2-Fluorobiphenyl	100	78.7	79		44	119
		2,4,6-Tribromophenol	150	144	96		43	140
		Terphenyl-d14	100	73.5	74		50	134

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1985

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q1993-02MS		**Client Sample ID: MW-3-20250508MS**						**DataFile:**	**BF142388.D**		
Benzaldehyde	50	0	33.4	ug/L	67				10	161	
Phenol	50	0	17.3	ug/L	35				10	132	
bis(2-Chloroethyl)ether	50	0	34.1	ug/L	68				43	118	
2-Chlorophenol	50	0	37.9	ug/L	76				38	117	
2-Methylphenol	50	0	31.6	ug/L	63				30	117	
2,2-oxybis(1-Chloropropane)	50	0	38.8	ug/L	78				37	130	
Acetophenone	50	0	42.8	ug/L	86				46	118	
3+4-Methylphenols	50	0	28.4	ug/L	57				29	110	
N-Nitroso-di-n-propylamine	50	0	42.7	ug/L	85				49	119	
Hexachloroethane	50	0	33.9	ug/L	68				21	115	
Nitrobenzene	50	0	46.1	ug/L	92				45	121	
Isophorone	50	0	43.9	ug/L	88				42	124	
2-Nitrophenol	50	0	51.3	ug/L	103				47	123	
2,4-Dimethylphenol	50	0	40.9	ug/L	82				31	124	
bis(2-Chloroethoxy)methane	50	0	42.7	ug/L	85				48	120	
2,4-Dichlorophenol	50	0	44.9	ug/L	90				47	121	
Naphthalene	50	0	40.6	ug/L	81				40	121	
4-Chloroaniline	50	0	18.8	ug/L	38				33	117	
Hexachlorobutadiene	50	0	38.9	ug/L	78				22	124	
Caprolactam	50	0	8.70	ug/L	17				10	161	
4-Chloro-3-methylphenol	50	0	40.9	ug/L	82				52	119	
2-Methylnaphthalene	50	0	42.6	ug/L	85				40	121	
Hexachlorocyclopentadiene	100	0	84.3	ug/L	84				10	155	
2,4,6-Trichlorophenol	50	0	51.2	ug/L	102				50	125	
2,4,5-Trichlorophenol	50	0	46.6	ug/L	93				53	123	
1,1-Biphenyl	50	0	43.7	ug/L	87				49	115	
2-Chloronaphthalene	50	0	43.5	ug/L	87				40	116	
2-Nitroaniline	50	0	50.5	ug/L	101				55	127	
Dimethylphthalate	50	0	46.3	ug/L	93				45	127	
Acenaphthylene	50	0	43.4	ug/L	87				41	130	
2,6-Dinitrotoluene	50	0	54.9	ug/L	110				57	124	
3-Nitroaniline	50	0	25.9	ug/L	52				41	128	
Acenaphthene	50	0	48.1	ug/L	96				47	122	
2,4-Dinitrophenol	100	0	110	ug/L	110				23	143	
4-Nitrophenol	100	0	36.2	ug/L	36				10	161	
Dibenzofuran	50	0	43.1	ug/L	86				53	118	
2,4-Dinitrotoluene	50	0	55.9	ug/L	112				57	128	
Diethylphthalate	50	0	69.8	ug/L	140	*			56	125	
4-Chlorophenyl-phenylether	50	0	44.5	ug/L	89				53	121	
Fluorene	50	0	42.5	ug/L	85				52	124	
4-Nitroaniline	50	0	48.8	ug/L	98				35	120	
4,6-Dinitro-2-methylphenol	50	0	58.2	ug/L	116				44	137	
N-Nitrosodiphenylamine	50	0	48.0	ug/L	96				51	123	
4-Bromophenyl-phenylether	50	0	49.9	ug/L	100				55	124	
Hexachlorobenzene	50	0	49.7	ug/L	99				53	125	
Atrazine	50	0	45.2	ug/L	90				44	142	

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1985

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	100	0	110	ug/L	110				35	138	
Phenanthrene	50	0	44.7	ug/L	89				59	120	
Anthracene	50	0	43.9	ug/L	88				57	123	
Carbazole	50	0	40.4	ug/L	81				60	122	
Di-n-butylphthalate	50	0	50.4	ug/L	101				59	127	
Fluoranthene	50	0	39.8	ug/L	80				57	128	
Pyrene	50	0	39.4	ug/L	79				57	126	
Butylbenzylphthalate	50	0	54.6	ug/L	109				53	134	
3,3-Dichlorobenzidine	50	0	41.2	ug/L	82				27	129	
Benzo(a)anthracene	50	0	46.2	ug/L	92				58	125	
Chrysene	50	0	45.6	ug/L	91				59	123	
bis(2-Ethylhexyl)phthalate	50	0	56.7	ug/L	113				55	135	
Di-n-octyl phthalate	50	0	55.5	ug/L	111				51	140	
Benzo(b)fluoranthene	50	0	46.4	ug/L	93				53	131	
Benzo(k)fluoranthene	50	0	46.4	ug/L	93				57	129	
Benzo(a)pyrene	50	0	48.8	ug/L	98				54	128	
Indeno(1,2,3-cd)pyrene	50	0	40.3	ug/L	81				52	134	
Dibenz(a,h)anthracene	50	0	39.9	ug/L	80				51	134	
Benzo(g,h,i)perylene	50	0	37.7	ug/L	75				50	134	
1,2,4,5-Tetrachlorobenzene	50	0	43.5	ug/L	87				35	121	
1,4-Dioxane	50	0	17.3	ug/L	35	*			70	130	
2,3,4,6-Tetrachlorophenol	50	0	48.6	ug/L	97				50	128	

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1985

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: Q1993-03MSD		**Client Sample ID: MW-3-20250508MSD**						**DataFile: BF142389.D**			
Benzaldehyde	50	0	35.6	ug/L	71		6		10	161	20
Phenol	50	0	18.2	ug/L	36		3		10	132	20
bis(2-Chloroethyl)ether	50	0	35.8	ug/L	72		6		43	118	20
2-Chlorophenol	50	0	39.7	ug/L	79		4		38	117	20
2-Methylphenol	50	0	34.1	ug/L	68		8		30	117	20
2,2-oxybis(1-Chloropropane)	50	0	40.9	ug/L	82		5		37	130	20
Acetophenone	50	0	45.0	ug/L	90		5		46	118	20
3+4-Methylphenols	50	0	30.0	ug/L	60		5		29	110	20
N-Nitroso-di-n-propylamine	50	0	45.8	ug/L	92		8		49	119	20
Hexachloroethane	50	0	36.3	ug/L	73		7		21	115	20
Nitrobenzene	50	0	48.4	ug/L	97		5		45	121	20
Isophorone	50	0	46.8	ug/L	94		7		42	124	20
2-Nitrophenol	50	0	55.7	ug/L	111		7		47	123	20
2,4-Dimethylphenol	50	0	43.3	ug/L	87		6		31	124	20
bis(2-Chloroethoxy)methane	50	0	45.9	ug/L	92		8		48	120	20
2,4-Dichlorophenol	50	0	47.9	ug/L	96		6		47	121	20
Naphthalene	50	0	43.3	ug/L	87		7		40	121	20
4-Chloroaniline	50	0	19.4	ug/L	39		3		33	117	20
Hexachlorobutadiene	50	0	41.6	ug/L	83		6		22	124	20
Caprolactam	50	0	9.60	ug/L	19		11		10	161	20
4-Chloro-3-methylphenol	50	0	43.6	ug/L	87		6		52	119	20
2-Methylnaphthalene	50	0	45.0	ug/L	90		6		40	121	20
Hexachlorocyclopentadiene	100	0	85.8	ug/L	86		2		10	155	20
2,4,6-Trichlorophenol	50	0	53.2	ug/L	106		4		50	125	20
2,4,5-Trichlorophenol	50	0	48.5	ug/L	97		4		53	123	20
1,1-Biphenyl	50	0	45.0	ug/L	90		3		49	115	20
2-Chloronaphthalene	50	0	45.0	ug/L	90		3		40	116	20
2-Nitroaniline	50	0	54.1	ug/L	108		7		55	127	20
Dimethylphthalate	50	0	48.3	ug/L	97		4		45	127	20
Acenaphthylene	50	0	45.0	ug/L	90		3		41	130	20
2,6-Dinitrotoluene	50	0	56.8	ug/L	114		4		57	124	20
3-Nitroaniline	50	0	25.9	ug/L	52		0		41	128	20
Acenaphthene	50	0	50.9	ug/L	102		6		47	122	20
2,4-Dinitrophenol	100	0	110	ug/L	110		0		23	143	20
4-Nitrophenol	100	0	37.9	ug/L	38		5		10	161	20
Dibenzofuran	50	0	44.7	ug/L	89		3		53	118	20
2,4-Dinitrotoluene	50	0	58.4	ug/L	117		4		57	128	20
Diethylphthalate	50	0	72.5	ug/L	145	*	4		56	125	20
4-Chlorophenyl-phenylether	50	0	46.2	ug/L	92		3		53	121	20
Fluorene	50	0	44.2	ug/L	88		3		52	124	20
4-Nitroaniline	50	0	51.9	ug/L	104		6		35	120	20
4,6-Dinitro-2-methylphenol	50	0	62.4	ug/L	125		7		44	137	20
N-Nitrosodiphenylamine	50	0	50.3	ug/L	101		5		51	123	20
4-Bromophenyl-phenylether	50	0	52.6	ug/L	105		5		55	124	20
Hexachlorobenzene	50	0	52.2	ug/L	104		5		53	125	20
Atrazine	50	0	49.0	ug/L	98		9		44	142	20

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

Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1985

Client: Tetra Tech NUS, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	100	0	110	ug/L	110		0		35	138	20
Phenanthrene	50	0	46.9	ug/L	94		5		59	120	20
Anthracene	50	0	46.4	ug/L	93		6		57	123	20
Carbazole	50	0	42.9	ug/L	86		6		60	122	20
Di-n-butylphthalate	50	0	54.2	ug/L	108		7		59	127	20
Fluoranthene	50	0	42.6	ug/L	85		6		57	128	20
Pyrene	50	0	42.7	ug/L	85		7		57	126	20
Butylbenzylphthalate	50	0	58.8	ug/L	118		8		53	134	20
3,3-Dichlorobenzidine	50	0	42.8	ug/L	86		5		27	129	20
Benzo(a)anthracene	50	0	48.7	ug/L	97		5		58	125	20
Chrysene	50	0	48.5	ug/L	97		6		59	123	20
bis(2-Ethylhexyl)phthalate	50	0	60.9	ug/L	122		8		55	135	20
Di-n-octyl phthalate	50	0	57.3	ug/L	115		4		51	140	20
Benzo(b)fluoranthene	50	0	47.6	ug/L	95		2		53	131	20
Benzo(k)fluoranthene	50	0	48.5	ug/L	97		4		57	129	20
Benzo(a)pyrene	50	0	50.3	ug/L	101		3		54	128	20
Indeno(1,2,3-cd)pyrene	50	0	40.8	ug/L	82		1		52	134	20
Dibenz(a,h)anthracene	50	0	40.4	ug/L	81		1		51	134	20
Benzo(g,h,i)perylene	50	0	37.8	ug/L	76		1		50	134	20
1,2,4,5-Tetrachlorobenzene	50	0	44.9	ug/L	90		3		35	121	20
1,4-Dioxane	50	0	18.2	ug/L	36	*	3		70	130	20
2,3,4,6-Tetrachlorophenol	50	0	50.9	ug/L	102		5		50	128	20

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1985

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270E **DataFile:** BF142386.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167951BS	Benzaldehyde	50	39.2	ug/L	78				10	161	
	Phenol	50	44.5	ug/L	89				10	132	
	bis(2-Chloroethyl)ether	50	34.7	ug/L	69				43	118	
	2-Chlorophenol	50	44.6	ug/L	89				38	117	
	2-Methylphenol	50	43.0	ug/L	86				30	117	
	2,2-oxybis(1-Chloropropane)	50	38.8	ug/L	78				37	130	
	Acetophenone	50	41.2	ug/L	82				46	118	
	3+4-Methylphenols	50	42.8	ug/L	86				29	110	
	N-Nitroso-di-n-propylamine	50	41.2	ug/L	82				49	119	
	Hexachloroethane	50	42.3	ug/L	85				21	115	
	Nitrobenzene	50	44.9	ug/L	90				45	121	
	Isophorone	50	42.0	ug/L	84				42	124	
	2-Nitrophenol	50	50.6	ug/L	101				47	123	
	2,4-Dimethylphenol	50	44.4	ug/L	89				31	124	
	bis(2-Chloroethoxy)methane	50	41.0	ug/L	82				48	120	
	2,4-Dichlorophenol	50	46.6	ug/L	93				47	121	
	Naphthalene	50	41.8	ug/L	84				40	121	
	4-Chloroaniline	50	8.80	ug/L	18		*		33	117	
	Hexachlorobutadiene	50	43.7	ug/L	87				22	124	
	Caprolactam	50	51.4	ug/L	103				10	161	
	4-Chloro-3-methylphenol	50	47.5	ug/L	95				52	119	
	2-Methylnaphthalene	50	42.2	ug/L	84				40	121	
	Hexachlorocyclopentadiene	100	90.2	ug/L	90				10	155	
	2,4,6-Trichlorophenol	50	47.6	ug/L	95				50	125	
	2,4,5-Trichlorophenol	50	47.2	ug/L	94				53	123	
	1,1-Biphenyl	50	41.1	ug/L	82				49	115	
	2-Chloronaphthalene	50	41.2	ug/L	82				40	116	
	2-Nitroaniline	50	50.4	ug/L	101				55	127	
	Dimethylphthalate	50	44.5	ug/L	89				45	127	
	Acenaphthylene	50	42.0	ug/L	84				41	130	
	2,6-Dinitrotoluene	50	53.5	ug/L	107				57	124	
	3-Nitroaniline	50	26.9	ug/L	54				41	128	
	Acenaphthene	50	47.1	ug/L	94				47	122	
	2,4-Dinitrophenol	100	120	ug/L	120				23	143	
	4-Nitrophenol	100	110	ug/L	110				10	161	
	Dibenzofuran	50	41.5	ug/L	83				53	118	
	2,4-Dinitrotoluene	50	57.7	ug/L	115				57	128	
	Diethylphthalate	50	44.2	ug/L	88				56	125	
	4-Chlorophenyl-phenylether	50	42.6	ug/L	85				53	121	
	Fluorene	50	41.7	ug/L	83				52	124	
	4-Nitroaniline	50	58.5	ug/L	117				35	120	
	4,6-Dinitro-2-methylphenol	50	55.9	ug/L	112				44	137	
	N-Nitrosodiphenylamine	50	42.0	ug/L	84				51	123	
	4-Bromophenyl-phenylether	50	43.6	ug/L	87				55	124	

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1985

Client: Tetra Tech NUS, Inc.

Analytical Method: 8270E **DataFile:** BF142386.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB167951BS	Hexachlorobenzene	50	44.1	ug/L	88				53	125	
	Atrazine	50	49.0	ug/L	98				44	142	
	Pentachlorophenol	100	110	ug/L	110				35	138	
	Phenanthrene	50	42.0	ug/L	84				59	120	
	Anthracene	50	41.4	ug/L	83				57	123	
	Carbazole	50	42.1	ug/L	84				60	122	
	Di-n-butylphthalate	50	45.7	ug/L	91				59	127	
	Fluoranthene	50	41.5	ug/L	83				57	128	
	Pyrene	50	46.2	ug/L	92				57	126	
	Butylbenzylphthalate	50	48.2	ug/L	96				53	134	
	3,3-Dichlorobenzidine	50	38.3	ug/L	77				27	129	
	Benzo(a)anthracene	50	43.7	ug/L	87				58	125	
	Chrysene	50	43.5	ug/L	87				59	123	
	bis(2-Ethylhexyl)phthalate	50	48.0	ug/L	96				55	135	
	Di-n-octyl phthalate	50	49.2	ug/L	98				51	140	
	Benzo(b)fluoranthene	50	43.2	ug/L	86				53	131	
	Benzo(k)fluoranthene	50	43.6	ug/L	87				57	129	
	Benzo(a)pyrene	50	46.1	ug/L	92				54	128	
	Indeno(1,2,3-cd)pyrene	50	45.6	ug/L	91				52	134	
	Dibenz(a,h)anthracene	50	45.4	ug/L	91				51	134	
	Benzo(g,h,i)perylene	50	44.4	ug/L	89				50	134	
	1,2,4,5-Tetrachlorobenzene	50	41.4	ug/L	83				35	121	
	1,4-Dioxane	50	31.9	ug/L	64		*		70	130	
	2,3,4,6-Tetrachlorophenol	50	50.6	ug/L	101				50	128	

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB167951BL

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1985 SAS No.: Q1985 SDG NO.: Q1985

Lab File ID: BF142385.D Lab Sample ID: PB167951BL

Instrument ID: BNA_F Date Extracted: 05/12/2025

Matrix: (soil/water) Water Date Analyzed: 05/15/2025

Level: (low/med) LOW Time Analyzed: 10:37

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB167951BS	PB167951BS	BF142386.D	05/15/2025
RW8-BW-20250507	Q1985-01	BF142387.D	05/15/2025
MW-3-20250508MS	Q1993-02MS	BF142388.D	05/15/2025
MW-3-20250508MSD	Q1993-03MSD	BF142389.D	05/15/2025

COMMENTS:

Form IV SV

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM SAS No.: Q1985 SDG NO.: Q1985

Lab File ID: BF142294.D DFTPP Injection Date: 05/05/2025

Instrument ID: BNA_F DFTPP Injection Time: 13:24

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	41.3
68	Less than 2.0% of mass 69	0.5 (1.8) 1
69	Mass 69 relative abundance	33.3
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	45.1
197	Less than 2.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	29.4
365	Greater than 1% of mass 198	3.9
441	Present, but less than mass 443	19.9
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.6 (19.6) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC2.5	SSTDICC2.5	BF142295.D	05/05/2025	13:54
SSTDICC005	SSTDICC005	BF142296.D	05/05/2025	14:23
SSTDICC010	SSTDICC010	BF142297.D	05/05/2025	14:52
SSTDICC020	SSTDICC020	BF142298.D	05/05/2025	15:21
SSTDICCC040	SSTDICCC040	BF142299.D	05/05/2025	15:50
SSTDICC050	SSTDICC050	BF142300.D	05/05/2025	16:18
SSTDICC060	SSTDICC060	BF142301.D	05/05/2025	16:47
SSTDICC080	SSTDICC080	BF142302.D	05/05/2025	17:15

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM SAS No.: Q1985 SDG NO.: Q1985

Lab File ID: BF142383.D DFTPP Injection Date: 05/15/2025

Instrument ID: BNA_F DFTPP Injection Time: 09:09

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	39.8
68	Less than 2.0% of mass 69	0.5 (1.7) 1
69	Mass 69 relative abundance	33.2
70	Less than 2.0% of mass 69	0.1 (0.5) 1
127	10.0 - 80.0% of mass 198	45.0
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	6.8
275	10.0 - 60.0% of mass 198	29.3
365	Greater than 1% of mass 198	3.7
441	Present, but less than mass 443	19.3
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.1 (19.1) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDCCC040	SSTDCCC040	BF142384.D	05/15/2025	10:08
PB167951BL	PB167951BL	BF142385.D	05/15/2025	10:37
PB167951BS	PB167951BS	BF142386.D	05/15/2025	11:06
RW8-BW-20250507	Q1985-01	BF142387.D	05/15/2025	11:49
MW-3-20250508MS	Q1993-02MS	BF142388.D	05/15/2025	12:18
MW-3-20250508MSD	Q1993-03MSD	BF142389.D	05/15/2025	12:47
SSTDCCC040EC	SSTDCCC040	BF142391.D	05/15/2025	13:58

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1985 SAS No.: Q1985 SDG NO.: Q1985

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/15/2025

Lab File ID: BF142384.D Time Analyzed: 10:08

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	167469	6.904	652293	8.19	352544	9.95
	UPPER LIMIT	334938	7.404	1304590	8.686	705088	10.445
	LOWER LIMIT	83734.5	6.404	326147	7.686	176272	9.445
	EPA SAMPLE NO.						
01	RW8-BW-20250507	167801	6.90	639031	8.19	343772	9.94
02	MW-3-20250508MS	172758	6.90	661579	8.19	349080	9.94
03	MW-3-20250508MSD	172657	6.90	662026	8.19	357440	9.94
04	PB167951BL	182996	6.90	716318	8.18	391073	9.94
05	PB167951BS	183759	6.90	709461	8.19	390383	9.94

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

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

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

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q1985 SAS No.: Q1985 SDG NO.: Q1985

EPA Sample No.: SSTDCCC040 Date Analyzed: 05/15/2025

Lab File ID: BF142384.D Time Analyzed: 10:08

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	609842	11.427	307770	14.068	334801	15.556
	UPPER LIMIT	1219680	11.927	615540	14.568	669602	16.056
	LOWER LIMIT	304921	10.927	153885	13.568	167401	15.056
	EPA SAMPLE NO.						
01	RW8-BW-20250507	569708	11.42	315375	14.06	358092	15.56
02	MW-3-20250508MS	537648	11.43	310239	14.07	367976	15.56
03	MW-3-20250508MSD	546787	11.43	314221	14.07	374057	15.56
04	PB167951BL	726822	11.42	497782	14.06	375900	15.55
05	PB167951BS	683655	11.43	358537	14.07	373046	15.56

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

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

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

SAMPLE DATA

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	05/07/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/08/25
Client Sample ID:	RW8-BW-20250507	SDG No.:	Q1985
Lab Sample ID:	Q1985-01	Matrix:	Water
Analytical Method:	8270E	% 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
BF142387.D	1	05/12/25 08:40	05/15/25 11:49	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	8.00	U	3.90	8.00	10.0	ug/L
108-95-2	Phenol	4.00	U	0.91	4.00	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	4.00	U	0.81	4.00	5.00	ug/L
95-57-8	2-Chlorophenol	4.00	U	0.58	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	1.30	4.00	5.00	ug/L
98-86-2	Acetophenone	4.00	U	0.74	4.00	5.00	ug/L
65794-96-9	3+4-Methylphenols	8.00	U	1.10	8.00	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.50	U	1.40	2.50	2.50	ug/L
67-72-1	Hexachloroethane	4.00	U	0.65	4.00	5.00	ug/L
98-95-3	Nitrobenzene	4.00	U	0.76	4.00	5.00	ug/L
78-59-1	Isophorone	4.00	U	0.75	4.00	5.00	ug/L
88-75-5	2-Nitrophenol	4.00	U	1.80	4.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	4.00	U	1.90	4.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	4.00	U	0.68	4.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	4.00	U	0.52	4.00	5.00	ug/L
91-20-3	Naphthalene	4.00	U	0.50	4.00	5.00	ug/L
106-47-8	4-Chloroaniline	4.00	U	0.84	4.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	4.00	U	0.54	4.00	5.00	ug/L
105-60-2	Caprolactam	8.00	U	1.10	8.00	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	4.00	U	0.59	4.00	5.00	ug/L
91-57-6	2-Methylnaphthalene	4.00	U	0.56	4.00	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	8.00	U	3.60	8.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	4.00	U	0.51	4.00	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	4.00	U	0.62	4.00	5.00	ug/L
92-52-4	1,1-Biphenyl	4.00	U	0.53	4.00	5.00	ug/L
91-58-7	2-Chloronaphthalene	4.00	U	0.61	4.00	5.00	ug/L
88-74-4	2-Nitroaniline	4.00	U	1.30	4.00	5.00	ug/L
131-11-3	Dimethylphthalate	4.00	U	0.61	4.00	5.00	ug/L

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:	05/07/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/08/25
Client Sample ID:	RW8-BW-20250507	SDG No.:	Q1985
Lab Sample ID:	Q1985-01	Matrix:	Water
Analytical Method:	8270E	% 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
BF142387.D	1	05/12/25 08:40	05/15/25 11:49	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	4.00	U	0.75	4.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	4.00	U	0.92	4.00	5.00	ug/L
99-09-2	3-Nitroaniline	4.00	U	1.10	4.00	5.00	ug/L
83-32-9	Acenaphthene	4.00	U	0.55	4.00	5.00	ug/L
51-28-5	2,4-Dinitrophenol	8.00	U	6.00	8.00	10.0	ug/L
100-02-7	4-Nitrophenol	8.00	U	2.40	8.00	10.0	ug/L
132-64-9	Dibenzofuran	4.00	U	0.61	4.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	4.00	U	1.20	4.00	5.00	ug/L
84-66-2	Diethylphthalate	4.00	U	0.69	4.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	4.00	U	0.68	4.00	5.00	ug/L
86-73-7	Fluorene	4.00	U	0.63	4.00	5.00	ug/L
100-01-6	4-Nitroaniline	4.00	U	1.50	4.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	8.00	U	2.90	8.00	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	4.00	U	0.58	4.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	4.00	U	0.40	4.00	5.00	ug/L
118-74-1	Hexachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
1912-24-9	Atrazine	4.00	U	1.00	4.00	5.00	ug/L
87-86-5	Pentachlorophenol	8.00	U	1.60	8.00	10.0	ug/L
85-01-8	Phenanthrene	4.00	U	0.50	4.00	5.00	ug/L
120-12-7	Anthracene	4.00	U	0.61	4.00	5.00	ug/L
86-74-8	Carbazole	4.00	U	0.72	4.00	5.00	ug/L
84-74-2	Di-n-butylphthalate	5.30		1.20	4.00	5.00	ug/L
206-44-0	Fluoranthene	4.00	U	0.82	4.00	5.00	ug/L
129-00-0	Pyrene	4.00	U	0.50	4.00	5.00	ug/L
85-68-7	Butylbenzylphthalate	4.00	U	1.90	4.00	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	8.00	U	0.93	8.00	10.0	ug/L
56-55-3	Benzo(a)anthracene	4.00	U	0.45	4.00	5.00	ug/L
218-01-9	Chrysene	4.00	U	0.44	4.00	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	4.60	J	1.60	4.00	5.00	ug/L
117-84-0	Di-n-octyl phthalate	8.10	J	2.30	8.00	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	4.00	U	0.49	4.00	5.00	ug/L

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:	05/07/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/08/25
Client Sample ID:	RW8-BW-20250507	SDG No.:	Q1985
Lab Sample ID:	Q1985-01	Matrix:	Water
Analytical Method:	8270E	% 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
BF142387.D	1	05/12/25 08:40	05/15/25 11:49	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	4.00	U	0.48	4.00	5.00	ug/L
50-32-8	Benzo(a)pyrene	4.00	U	0.55	4.00	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	4.00	U	0.59	4.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	4.00	U	0.67	4.00	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	4.00	U	0.69	4.00	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
123-91-1	1,4-Dioxane	4.00	U	1.00	4.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	4.00	U	0.72	4.00	5.00	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	65.0		19 - 119		43%	SPK: 150
13127-88-3	Phenol-d6	41.6		10 - 130		28%	SPK: 150
4165-60-0	Nitrobenzene-d5	93.7		44 - 120		94%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.8		44 - 119		79%	SPK: 100
118-79-6	2,4,6-Tribromophenol	151		43 - 140		101%	SPK: 150
1718-51-0	Terphenyl-d14	86.9		50 - 134		87%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	168000	6.904				
1146-65-2	Naphthalene-d8	639000	8.186				
15067-26-2	Acenaphthene-d10	344000	9.939				
1517-22-2	Phenanthrene-d10	570000	11.422				
1719-03-5	Chrysene-d12	315000	14.063				
1520-96-3	Perylene-d12	358000	15.557				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	4.30	AB			5.12	ug/L
000119-61-9	Benzophenone	2.90	J			10.7	ug/L

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:	05/07/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/08/25
Client Sample ID:	RW8-BW-20250507	SDG No.:	Q1985
Lab Sample ID:	Q1985-01	Matrix:	Water
Analytical Method:	8270E	% 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
BF142387.D	1	05/12/25 08:40	05/15/25 11:49	PB167951

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\BF051525\
Data File : BF142387.D
Acq On : 15 May 2025 11:49
Operator : RC/JU
Sample : Q1985-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RW8-BW-20250507

Quant Time: May 15 12:18:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration

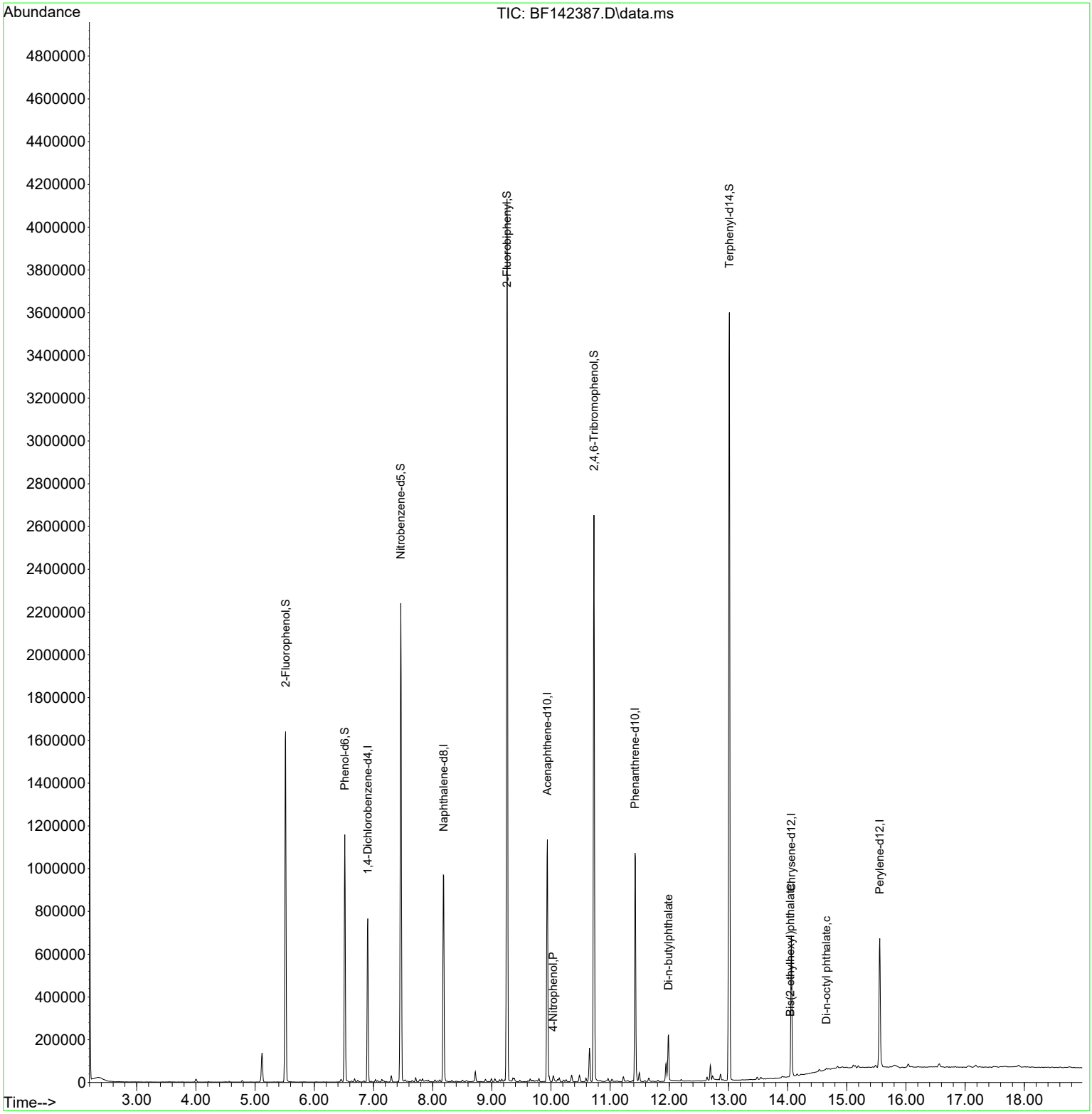
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.904	152	167801	20.000	ng		0.00
21) Naphthalene-d8	8.186	136	639031	20.000	ng		0.00
39) Acenaphthene-d10	9.939	164	343772	20.000	ng		0.00
64) Phenanthrene-d10	11.422	188	569708	20.000	ng		-0.01
76) Chrysene-d12	14.063	240	315375	20.000	ng		0.00
86) Perylene-d12	15.557	264	358092	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.516	112	639081	65.015	ng		0.00
7) Phenol-d6	6.516	99	502983	41.604	ng		0.00
23) Nitrobenzene-d5	7.463	82	981641	93.685	ng		0.00
42) 2,4,6-Tribromophenol	10.727	330	500783	150.881	ng		0.00
45) 2-Fluorobiphenyl	9.257	172	1900582	78.831	ng		0.00
79) Terphenyl-d14	13.016	244	1852419	86.937	ng		0.00
Target Compounds							Qvalue
56) 4-Nitrophenol	10.039	139	7869	2.158	ng		92
74) Di-n-butylphthalate	11.986	149	154393	5.334	ng		98
84) Bis(2-ethylhexyl)phtha...	14.045	149	4538	4.625	ng	#	93
85) Di-n-octyl phthalate	14.657	149	5214	8.067	ng	#	77

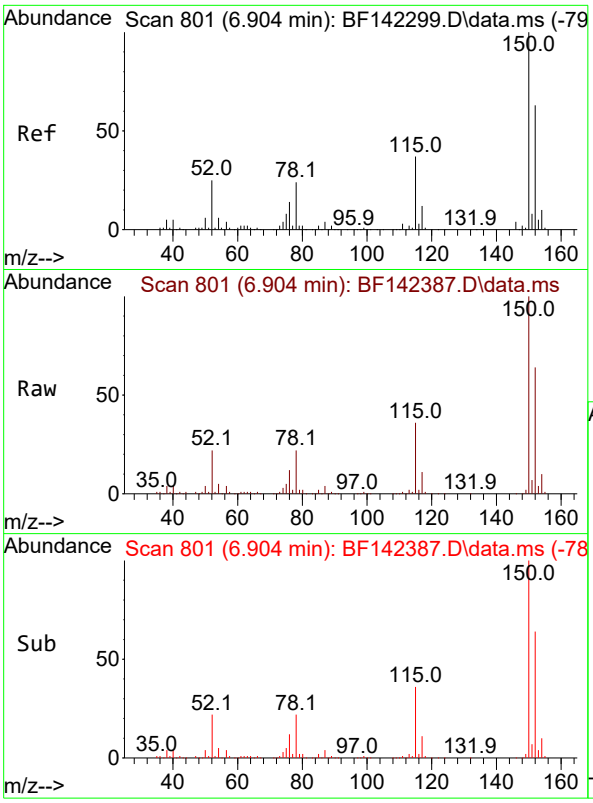
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142387.D
Acq On : 15 May 2025 11:49
Operator : RC/JU
Sample : Q1985-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RW8-BW-20250507

Quant Time: May 15 12:18:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration



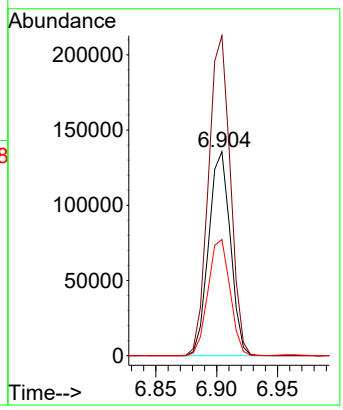


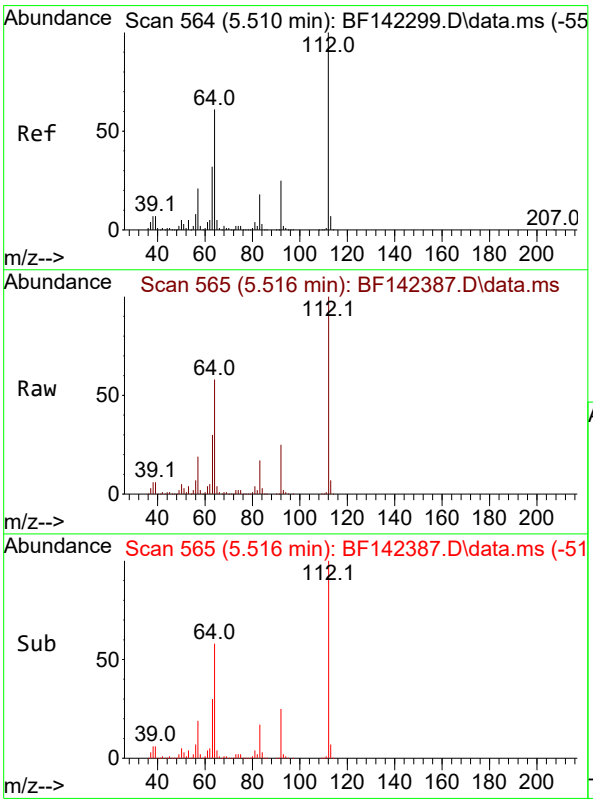
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142387.D
Acq: 15 May 2025 11:49

Instrument :
BNA_F
ClientSampleId :
RW8-BW-20250507

Tgt Ion:152 Resp: 167801

Ion	Ratio	Lower	Upper
152	100		
150	156.8	126.6	190.0
115	57.0	47.3	70.9

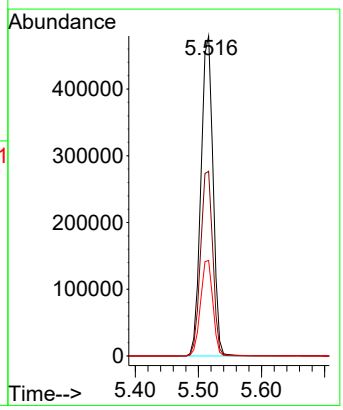


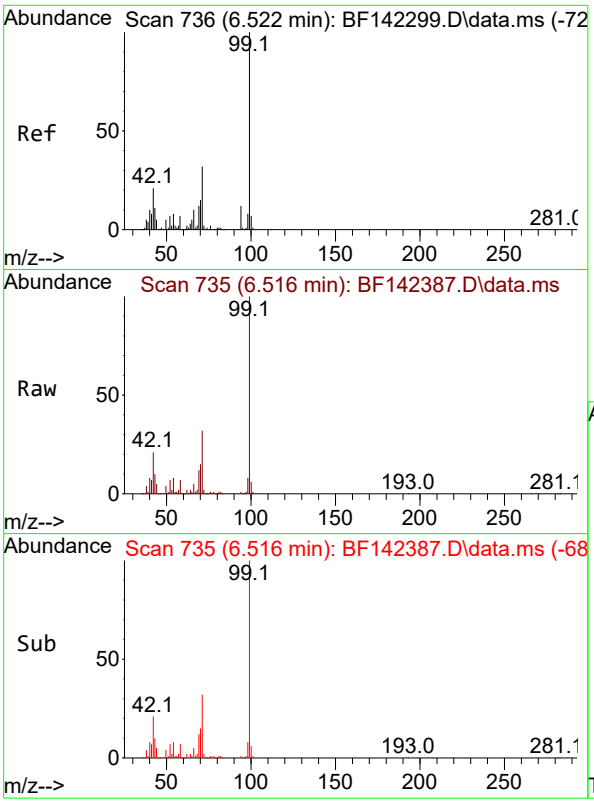


#5
2-Fluorophenol
Concen: 65.015 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF142387.D
Acq: 15 May 2025 11:49

Tgt Ion:112 Resp: 639081

Ion	Ratio	Lower	Upper
112	100		
64	57.7	48.9	73.3
63	29.9	25.6	38.4



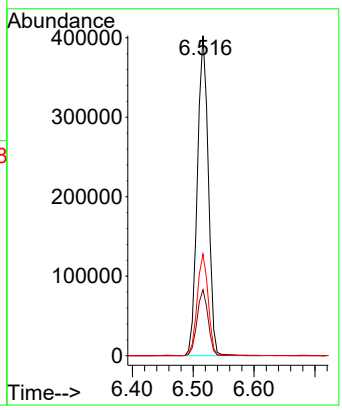


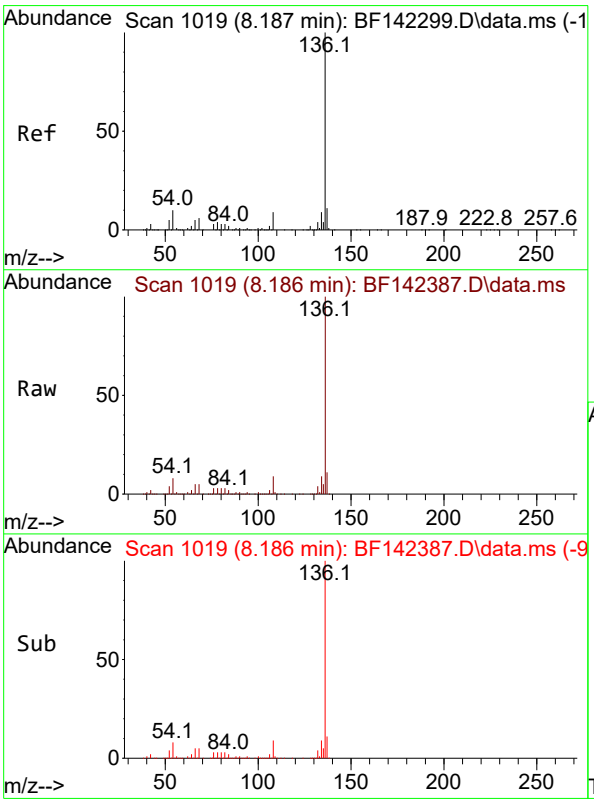
#7
Phenol-d6
Concen: 41.604 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142387.D
Acq: 15 May 2025 11:49

Instrument :
BNA_F
ClientSampleId :
RW8-BW-20250507

Tgt Ion: 99 Resp: 502983

Ion	Ratio	Lower	Upper
99	100		
42	20.6	17.0	25.4
71	31.7	25.8	38.8

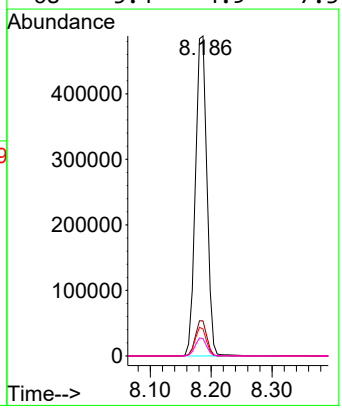


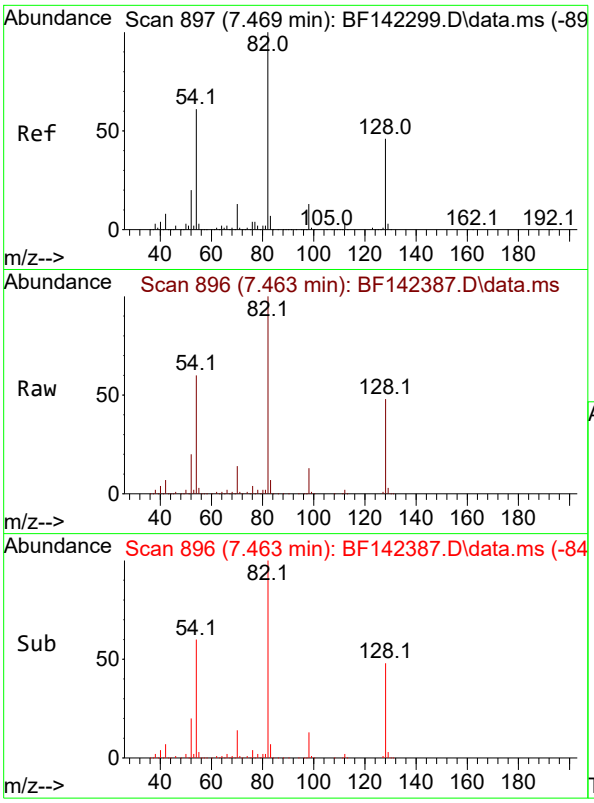


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF142387.D
Acq: 15 May 2025 11:49

Tgt Ion:136 Resp: 639031

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	8.4	7.7	11.5
68	5.4	4.9	7.3



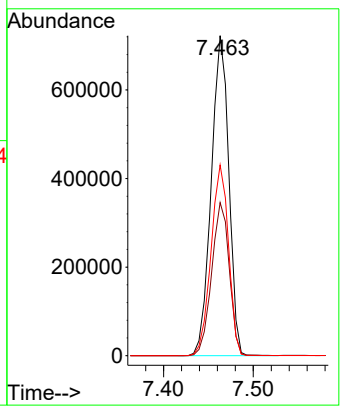


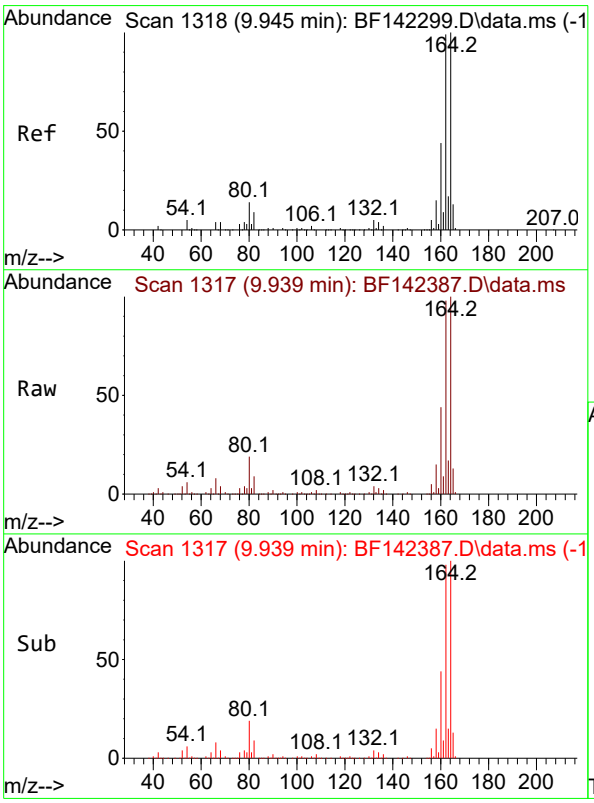
#23
Nitrobenzene-d5
Concen: 93.685 ng
RT: 7.463 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142387.D
Acq: 15 May 2025 11:49

Instrument :
BNA_F
ClientSampleId :
RW8-BW-20250507

Tgt Ion: 82 Resp: 981641

Ion	Ratio	Lower	Upper
82	100		
128	47.9	37.0	55.6
54	59.6	48.6	73.0

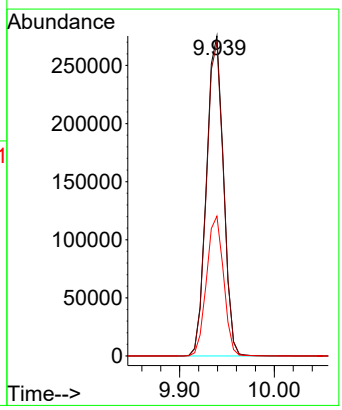


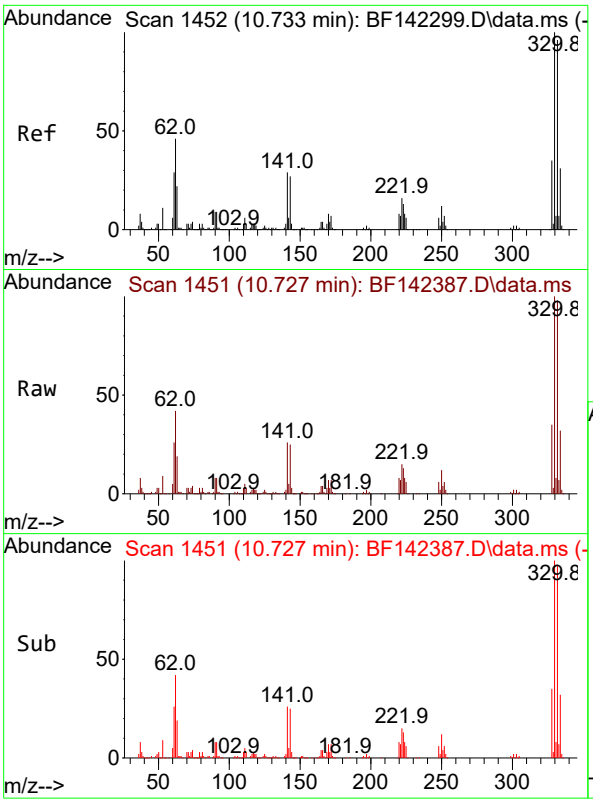


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142387.D
Acq: 15 May 2025 11:49

Tgt Ion:164 Resp: 343772

Ion	Ratio	Lower	Upper
164	100		
162	98.0	79.2	118.8
160	43.7	35.3	52.9



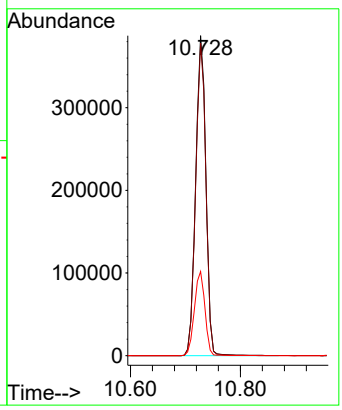


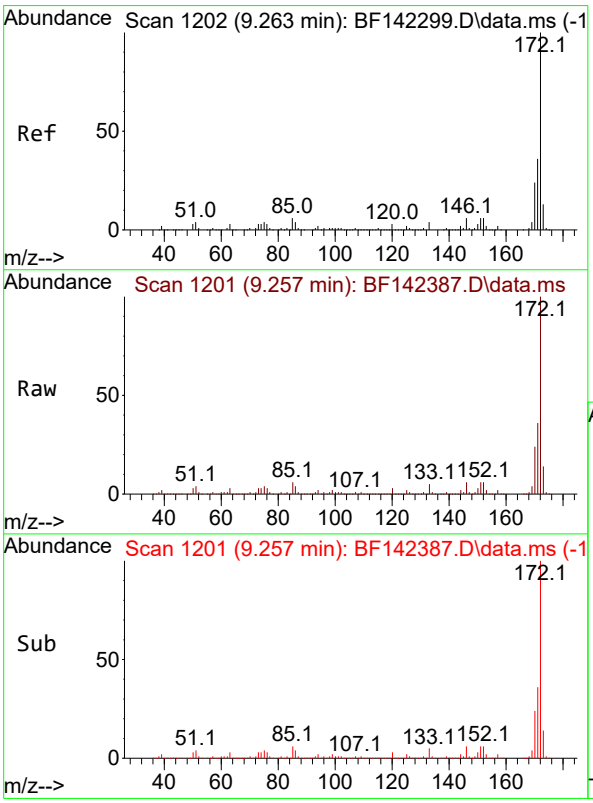
#42
2,4,6-Tribromophenol
Concen: 150.881 ng
RT: 10.727 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142387.D
Acq: 15 May 2025 11:49

Instrument :
BNA_F
ClientSampleId :
RW8-BW-20250507

Tgt Ion:330 Resp: 500783

Ion	Ratio	Lower	Upper
330	100		
332	97.7	76.8	115.2
141	27.1	24.9	37.3

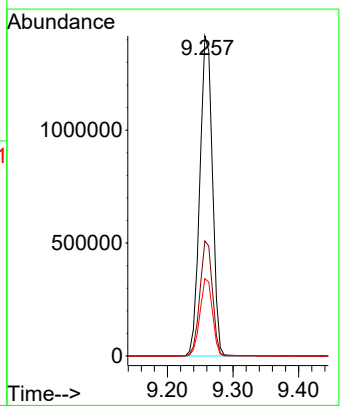


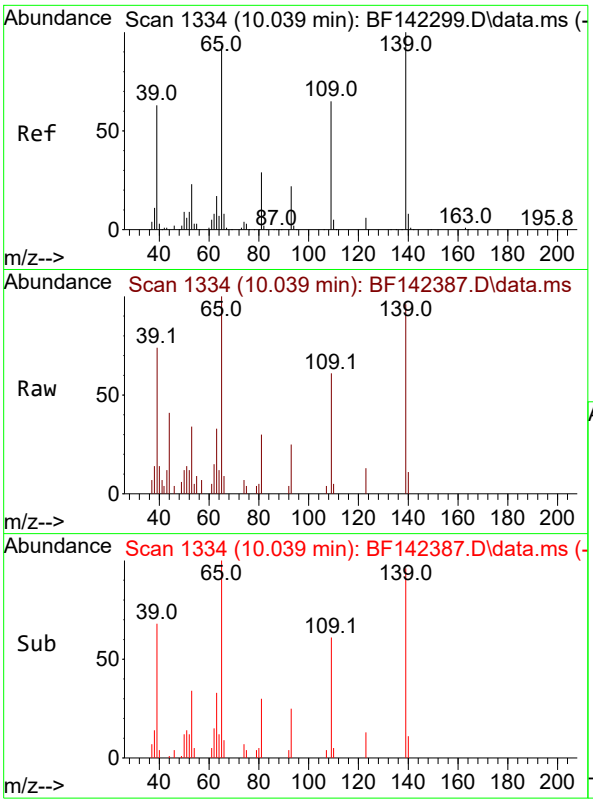


#45
2-Fluorobiphenyl
Concen: 78.831 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF142387.D
Acq: 15 May 2025 11:49

Tgt Ion:172 Resp: 1900582

Ion	Ratio	Lower	Upper
172	100		
171	36.0	28.6	42.8
170	24.2	19.0	28.4



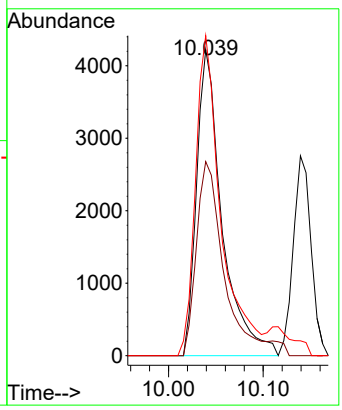


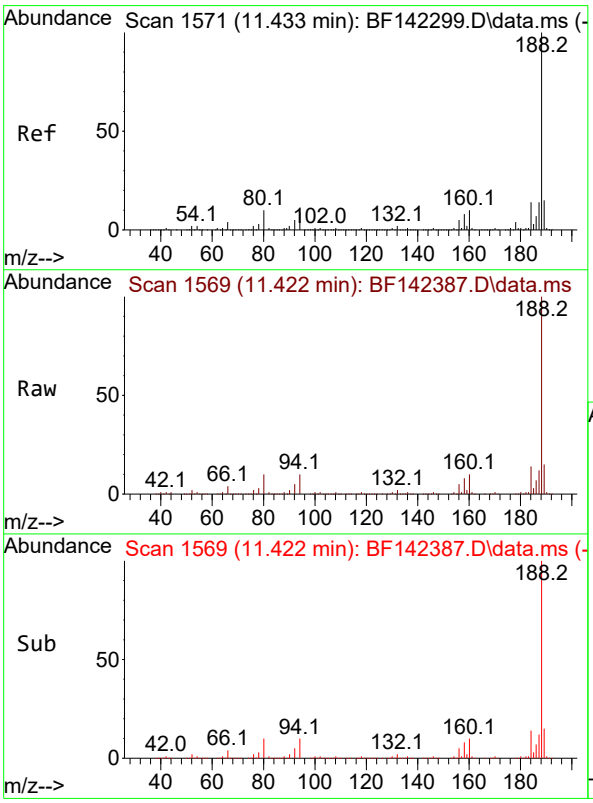
#56
4-Nitrophenol
Concen: 2.158 ng
RT: 10.039 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142387.D
Acq: 15 May 2025 11:49

Instrument :
BNA_F
ClientSampleId :
RW8-BW-20250507

Tgt Ion:139 Resp: 7869

Ion	Ratio	Lower	Upper
139	100		
109	63.4	45.3	85.3
65	104.6	73.9	113.9

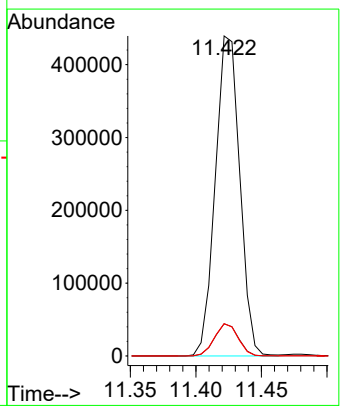


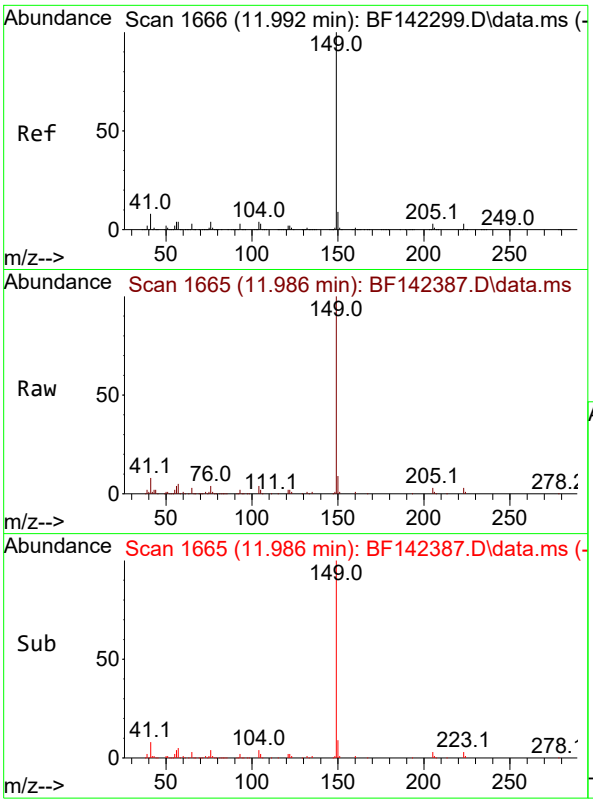


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1569
Delta R.T. -0.012 min
Lab File: BF142387.D
Acq: 15 May 2025 11:49

Tgt Ion:188 Resp: 569708

Ion	Ratio	Lower	Upper
188	100		
94	10.0	7.5	11.3
80	10.1	7.9	11.9



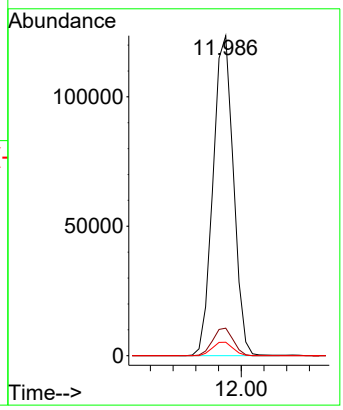


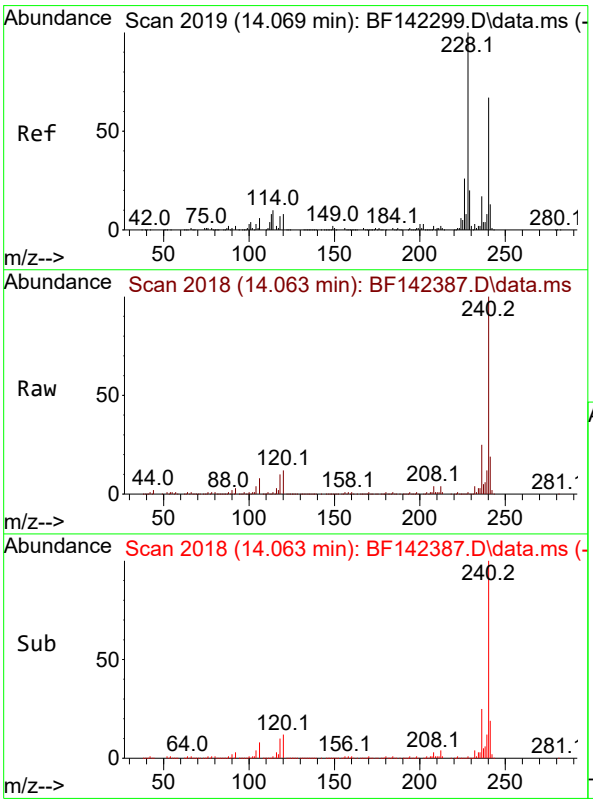
#74
Di-n-butylphthalate
Concen: 5.334 ng
RT: 11.986 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142387.D
Acq: 15 May 2025 11:49

Instrument :
BNA_F
ClientSampleId :
RW8-BW-20250507

Tgt Ion:149 Resp: 154393

Ion	Ratio	Lower	Upper
149	100		
150	8.6	7.5	11.3
104	4.2	3.6	5.4

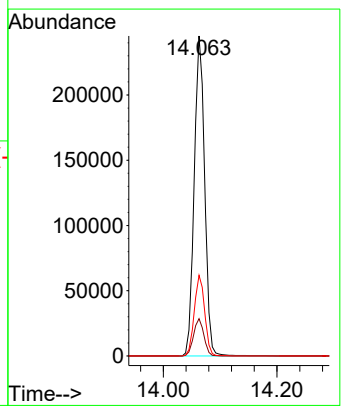


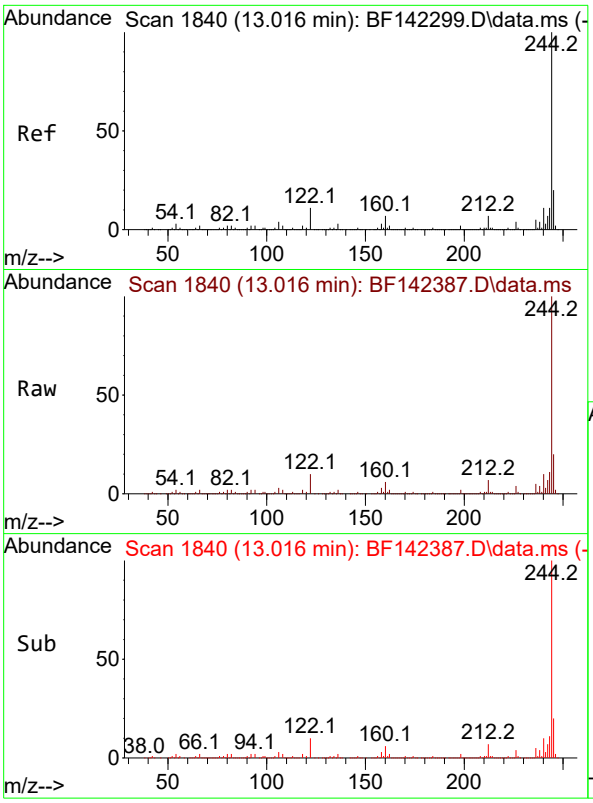


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142387.D
Acq: 15 May 2025 11:49

Tgt Ion:240 Resp: 315375

Ion	Ratio	Lower	Upper
240	100		
120	11.7	9.7	14.5
236	25.2	20.0	30.0



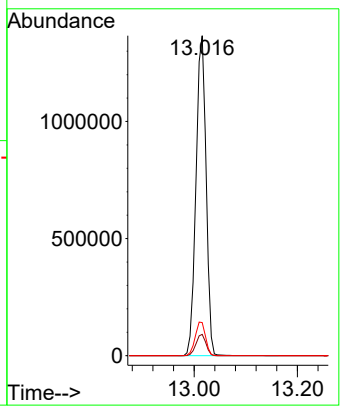


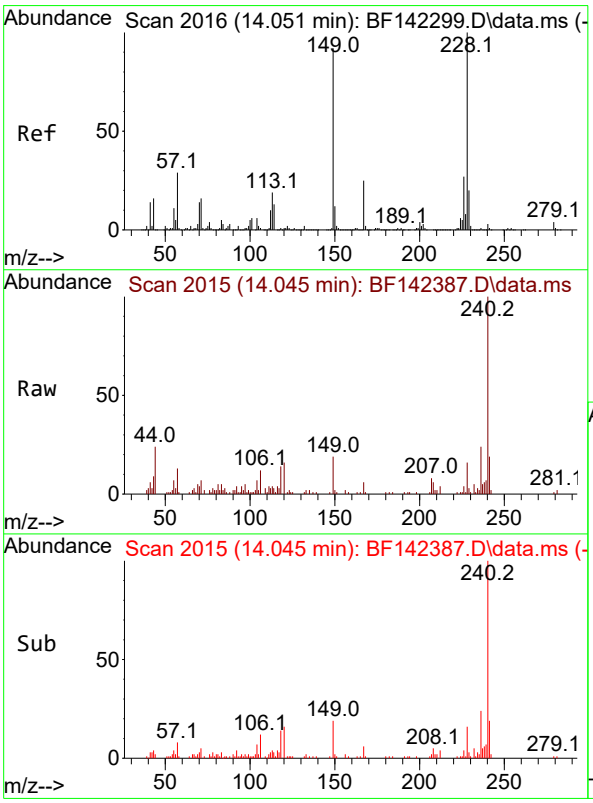
#79
Terphenyl-d14
Concen: 86.937 ng
RT: 13.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142387.D
Acq: 15 May 2025 11:49

Instrument :
BNA_F
ClientSampleId :
RW8-BW-20250507

Tgt Ion:244 Resp: 1852419

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.2
122	10.4	9.0	13.4

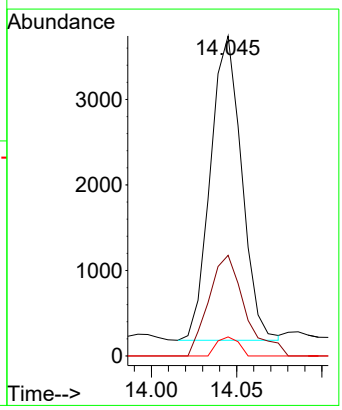


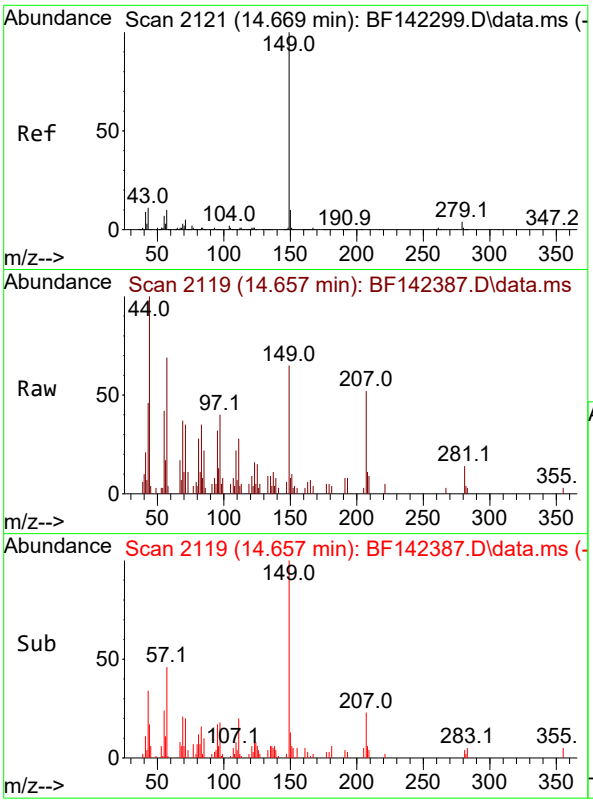


#84
Bis(2-ethylhexyl)phthalate
Concen: 4.625 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF142387.D
Acq: 15 May 2025 11:49

Tgt Ion:149 Resp: 4538

Ion	Ratio	Lower	Upper
149	100		
167	31.5	22.0	33.0
279	6.0	3.0	4.6#



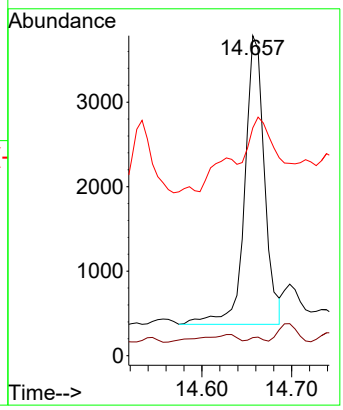


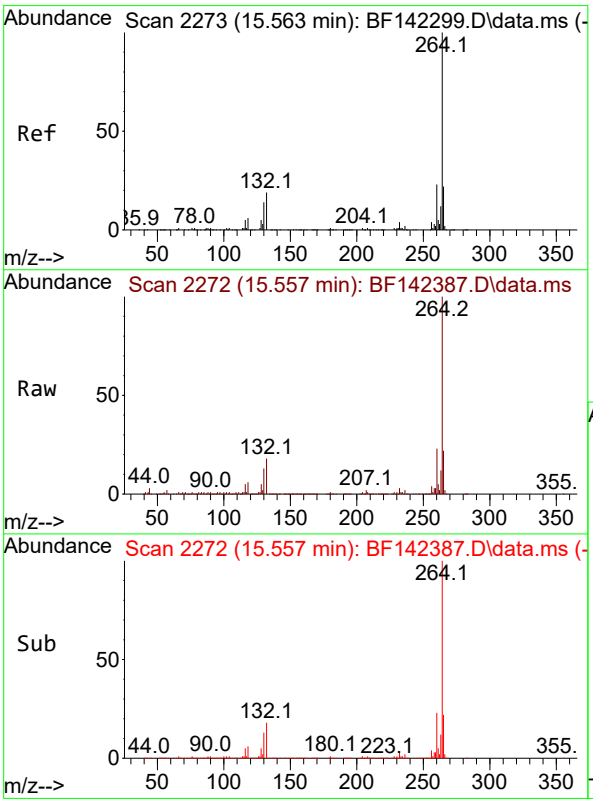
#85
Di-n-octyl phthalate
Concen: 8.067 ng
RT: 14.657 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF142387.D
Acq: 15 May 2025 11:49

Instrument :
BNA_F
ClientSampleId :
RW8-BW-20250507

Tgt Ion:149 Resp: 5214

Ion	Ratio	Lower	Upper
149	100		
167	0.0	1.1	1.7#
43	21.3	9.2	13.8#

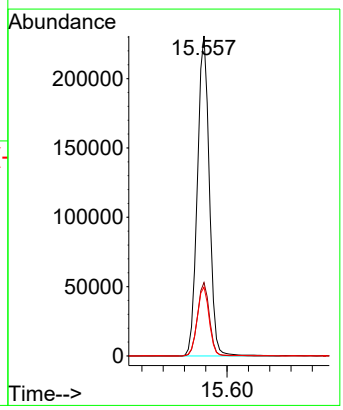




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2272
Delta R.T. -0.006 min
Lab File: BF142387.D
Acq: 15 May 2025 11:49

Tgt Ion:264 Resp: 358092

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.6	27.8
265	21.5	17.5	26.3



Sample Results: **BF142387.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142387.D
Acq On : 15 May 2025 11:49
Operator : RC/JU
Sample : Q1985-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RW8-BW-20250507

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-BF050525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142387.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.116	488	497	509	rVB	136482	205734	3.77%	0.723%
2	5.516	558	565	570	rBV	1637752	2198462	40.31%	7.726%
3	6.516	729	735	741	rBV	1155449	1463705	26.84%	5.144%
4	6.904	795	801	807	rBV	764232	965165	17.70%	3.392%
5	7.463	890	896	901	rBV	2236857	3045649	55.84%	10.704%
6	8.181	1013	1018	1027	rBV	966861	1283952	23.54%	4.512%
7	8.722	1104	1110	1121	rVB	46526	63310	1.16%	0.223%
8	9.257	1195	1201	1207	rBV	4123298	5454031	100.00%	19.168%
9	9.939	1311	1317	1321	rBV	1132178	1432884	26.27%	5.036%
10	10.651	1432	1438	1445	rVB	157549	206238	3.78%	0.725%
11	10.728	1445	1451	1456	rBV	2648578	3469981	63.62%	12.195%
12	11.422	1564	1569	1577	rBV	1067549	1407384	25.80%	4.946%
13	11.492	1577	1581	1591	rVB3	42149	60594	1.11%	0.213%
14	11.945	1652	1658	1661	rBV	82979	121519	2.23%	0.427%
15	11.986	1661	1665	1670	rVB	212397	275422	5.05%	0.968%
16	12.692	1781	1785	1789	rBV	69822	85984	1.58%	0.302%
17	13.016	1833	1840	1845	rBV	3590457	4884835	89.56%	17.168%
18	14.063	2012	2018	2026	rBV	658008	880158	16.14%	3.093%
19	15.557	2266	2272	2283	rBV	602250	948649	17.39%	3.334%

Sum of corrected areas: 28453656

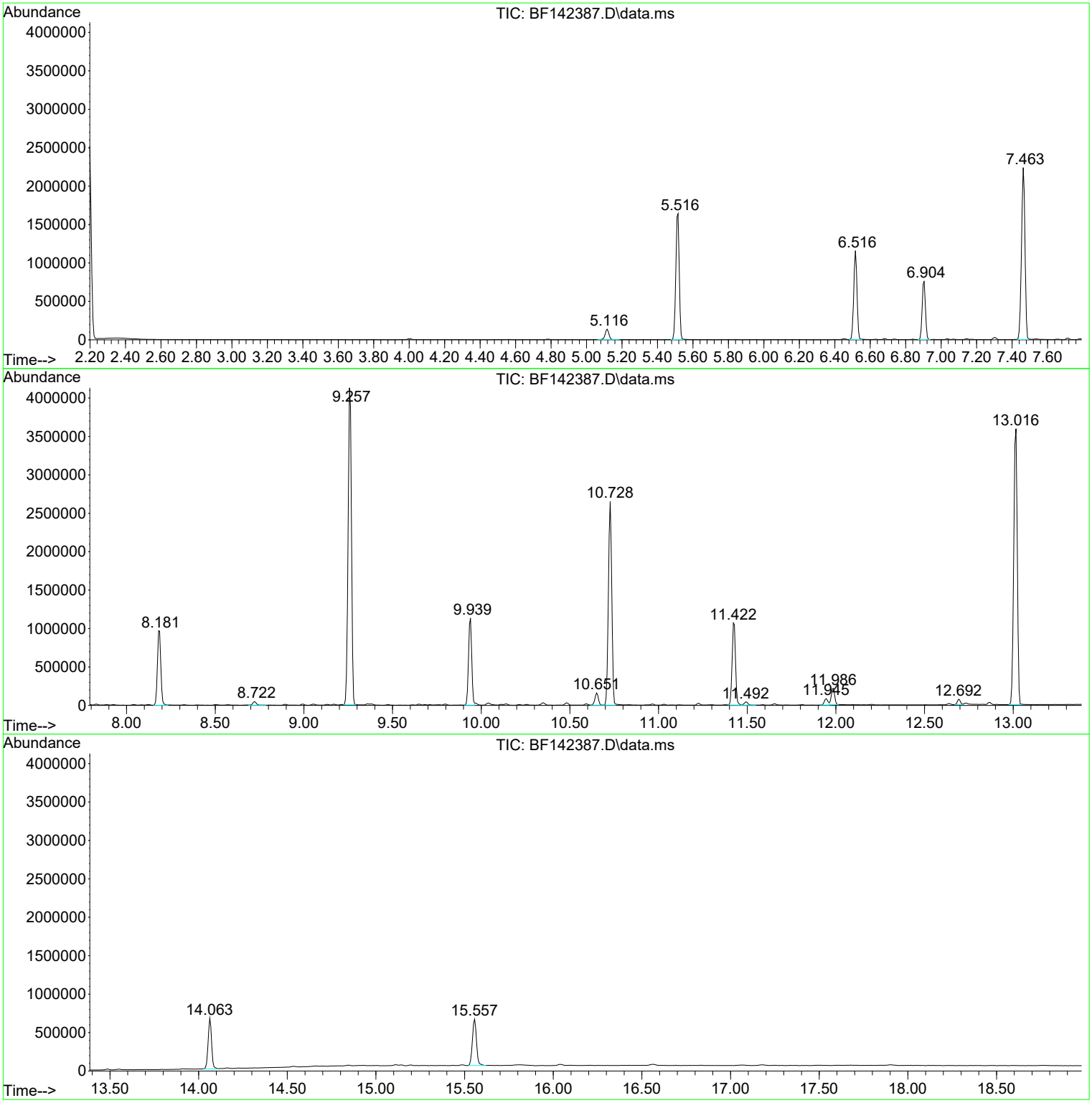
Sample Results: **BF142387.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142387.D
Acq On : 15 May 2025 11:49
Operator : RC/JU
Sample : Q1985-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RW8-BW-20250507

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.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\BF051525\
Data File : BF142387.D
Acq On : 15 May 2025 11:49
Operator : RC/JU
Sample : Q1985-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RW8-BW-20250507

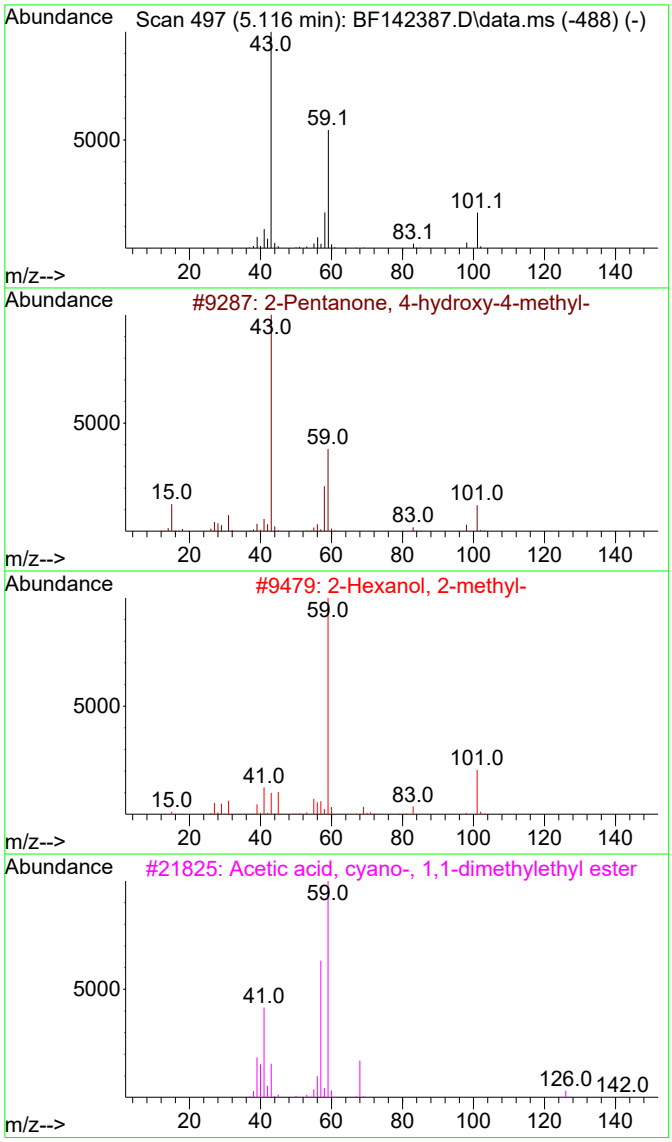
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

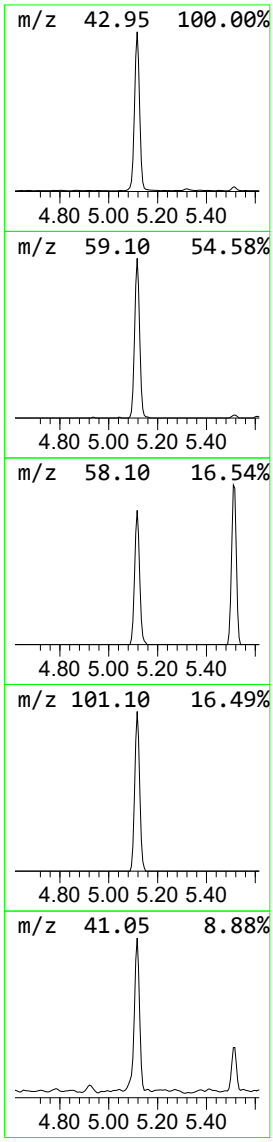
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.116	4.26 ng	205734	1,4-Dichlorobenzene-d4	6.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	2-Hexanol, 2-methyl-	116	C7H16O	000625-23-0	28
3	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	10





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142387.D
Acq On : 15 May 2025 11:49
Operator : RC/JU
Sample : Q1985-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RW8-BW-20250507

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

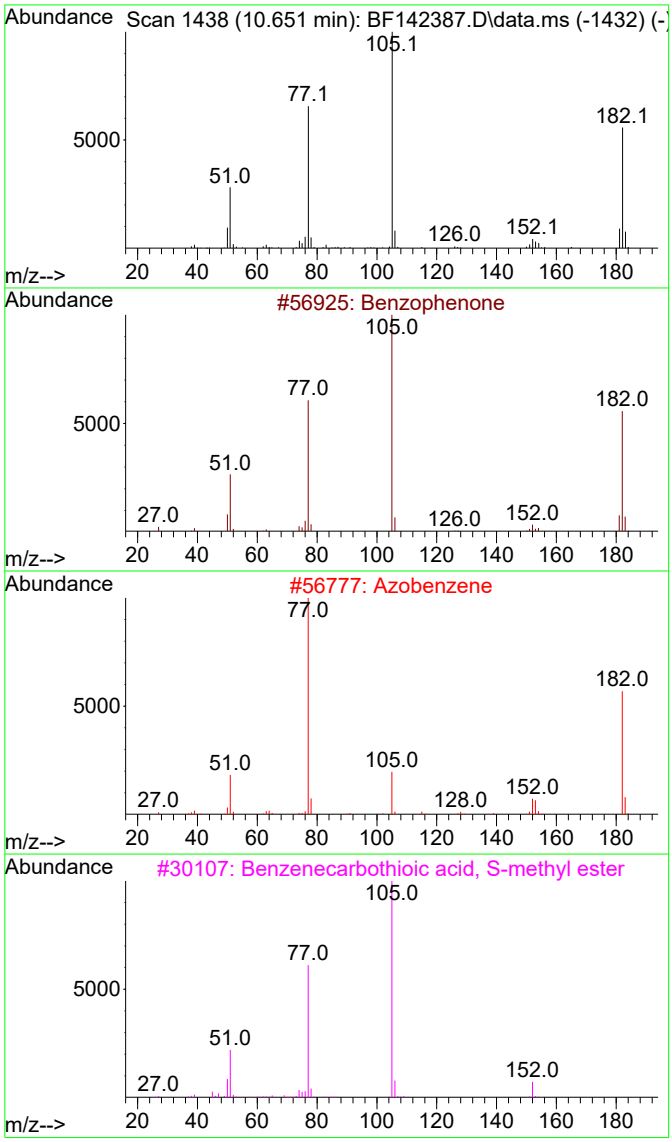
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

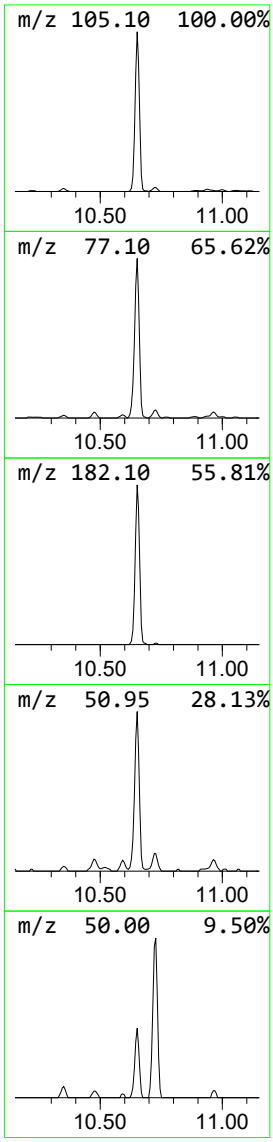
****

Peak Number 2 Benzophenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.651	2.88 ng	206238	Acenaphthene-d10	9.939

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Azobenzene	182	C12H10N2	000103-33-3	53
3	Benzenecarbothioic acid, S-methy...	152	C8H8OS	005925-68-8	52
4	Acetophenone, 2-chloro-	154	C8H7ClO	000532-27-4	49
5	Disulfide, dibenzoyl	274	C14H10O2S2	000644-32-6	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142387.D
Acq On : 15 May 2025 11:49
Operator : RC/JU
Sample : Q1985-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RW8-BW-20250507

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.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-...	5.116	4.3	ng	205734	1	6.904	965165	20.0
Benzophenone	10.651	2.9	ng	206238	3	9.939	1432880	20.0

CALIBRATION SUMMARY

Response Factor Report BNA_F

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF050525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon May 05 18:41:44 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BF142295.D 5 =BF142296.D 10 =BF142297.D 20 =BF142298.D 40 =BF142299.D 50 =BF142300.D 60 =BF142301.D 80 =BF1423
02.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.553	0.527	0.535	0.503	0.543	0.521	0.511	0.528	3.36
3)		Pyridine		1.159	1.233	1.210	1.176	1.311	1.312	1.270	1.239	4.99
4)		n-Nitrosodimet...		0.718	0.707	0.729	0.696	0.759	0.726	0.705	0.720	2.88
5)	S	2-Fluorophenol		1.212	1.177	1.211	1.126	1.224	1.165	1.086	1.172	4.35
6)		Aniline		0.955	1.370	1.568	1.467	1.543	1.519	1.472	1.413	15.03
7)	S	Phenol-d6		1.510	1.458	1.489	1.375	1.500	1.419	1.336	1.441	4.64
8)		2-Chlorophenol		1.202	1.223	1.263	1.221	1.346	1.283	1.225	1.252	4.00
9)		Benzaldehyde		1.049	0.959	0.903	0.734	0.752	0.663		0.843	17.74
10)	C	Phenol		1.599	1.528	1.584	1.472	1.580	1.524	1.405	1.527	4.55
11)		bis(2-Chloroet...		1.789	1.543	1.510	1.353	1.516	1.441	1.392	1.506	9.49
12)		1,3-Dichlorobe...		1.555	1.505	1.466	1.347	1.477	1.379	1.298	1.432	6.48
13)	C	1,4-Dichlorobe...		1.562	1.499	1.486	1.364	1.476	1.386	1.294	1.438	6.46
14)		1,2-Dichlorobe...		1.480	1.432	1.415	1.317	1.424	1.340	1.254	1.380	5.71
15)		Benzyl Alcohol		0.816	0.843	0.933	0.928	1.030	1.008	0.972	0.933	8.56
16)		2,2'-oxybis(1-...		2.379	2.310	2.325	2.135	2.341	2.211	2.044	2.249	5.48
17)		2-Methylphenol		1.033	1.008	1.022	0.972	1.070	1.013	0.978	1.014	3.30
18)		Hexachloroethane		0.473	0.464	0.488	0.463	0.511	0.487	0.463	0.478	3.78
19)	P	n-Nitroso-di-n...	0.840	0.943	0.915	0.918	0.860	0.933	0.885	0.837	0.891	4.69
20)		3+4-Methylphenols		1.354	1.281	1.322	1.218	1.333	1.226	1.121	1.265	6.48
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.505	0.474	0.464	0.416	0.446	0.419	0.389	0.445	8.95
23)	S	Nitrobenzene-d5		0.289	0.304	0.336	0.327	0.360	0.348	0.332	0.328	7.48
24)		Nitrobenzene		0.281	0.293	0.316	0.306	0.337	0.325	0.305	0.309	6.05
25)		Isophorone		0.639	0.623	0.630	0.586	0.648	0.622	0.598	0.621	3.53
26)	C	2-Nitrophenol		0.089	0.097	0.121	0.132	0.154	0.155	0.155	0.129	21.55
27)		2,4-Dimethylph...		0.311	0.314	0.321	0.298	0.329	0.314	0.299	0.312	3.55
28)		bis(2-Chloroet...		0.430	0.414	0.418	0.374	0.408	0.386	0.366	0.399	6.09
29)	C	2,4-Dichloroph...		0.245	0.251	0.278	0.263	0.288	0.274	0.260	0.265	5.71
30)		1,2,4-Trichlor...		0.329	0.309	0.309	0.281	0.304	0.289	0.271	0.299	6.60
31)		Naphthalene		1.102	1.031	1.028	0.906	0.978	0.906	0.835	0.969	9.52
32)		Benzoic acid			0.084	0.117	0.140	0.178	0.186	0.194	0.150	29.22
33)		4-Chloroaniline		0.373	0.373	0.398	0.383	0.435	0.415	0.392	0.396	5.80
34)	C	Hexachlorobuta...		0.188	0.182	0.181	0.168	0.185	0.173	0.162	0.177	5.32
35)		Caprolactam		0.063	0.068	0.078	0.079	0.088	0.083	0.082	0.077	11.39
36)	C	4-Chloro-3-met...		0.281	0.270	0.283	0.265	0.290	0.279	0.262	0.276	3.68
37)		2-Methylnaphth...		0.672	0.636	0.635	0.569	0.615	0.568	0.521	0.602	8.60
38)		1-Methylnaphth...		0.710	0.675	0.665	0.594	0.630	0.587	0.535	0.628	9.59

Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF050525.M

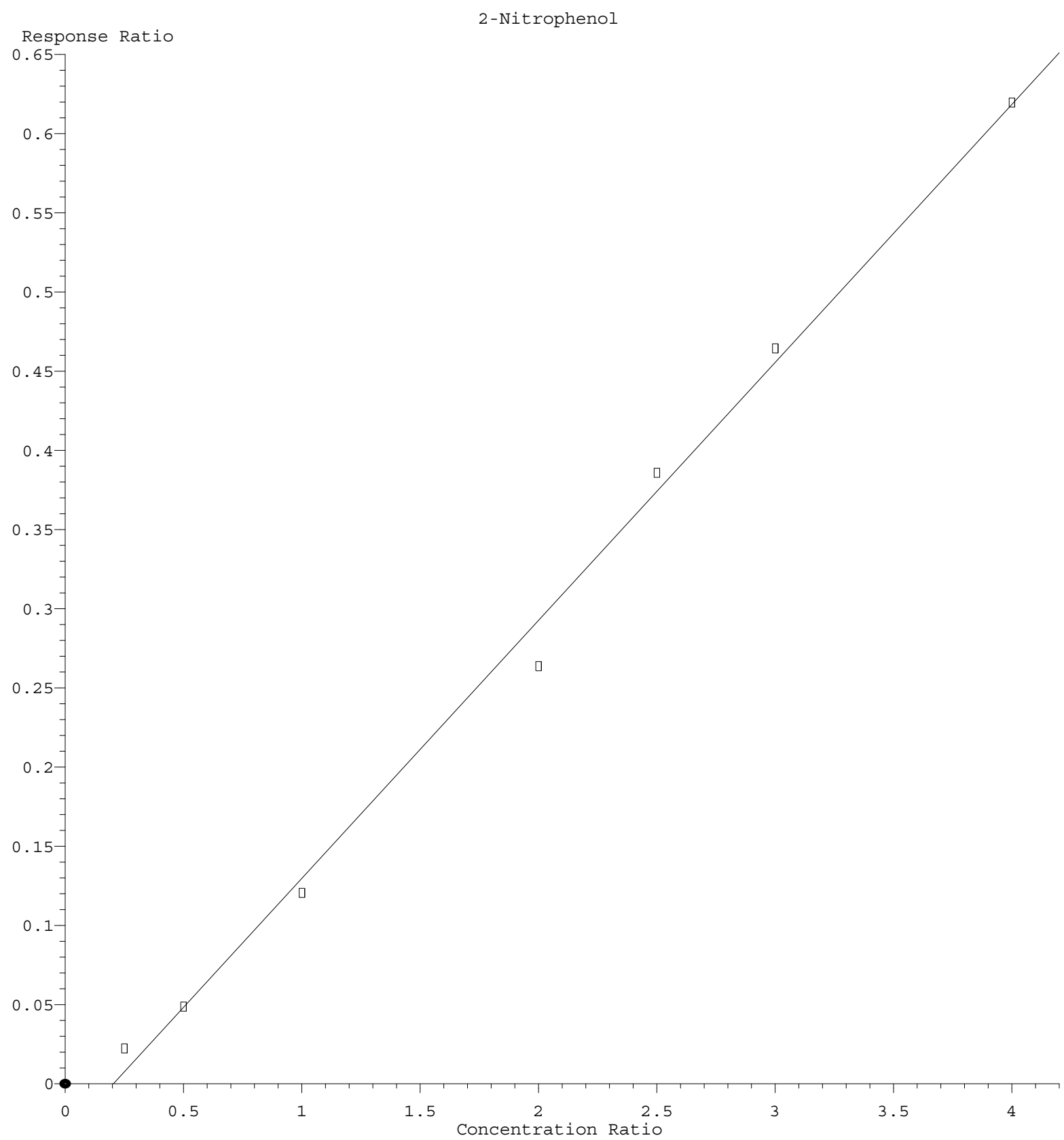
39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.600	0.586	0.586	0.515	0.574	0.538	0.512	0.559	6.51
41)	P	Hexachlorocycl...	0.286	0.303	0.349	0.343	0.388	0.379	0.369	0.345	11.16
42)	S	2,4,6-Tribromo...	0.161	0.176	0.198	0.191	0.218	0.210	0.197	0.193	10.16
43)	C	2,4,6-Trichlor...	0.306	0.320	0.360	0.351	0.393	0.371	0.365	0.352	8.53
44)		2,4,5-Trichlor...	0.339	0.353	0.390	0.363	0.413	0.397	0.369	0.375	7.00
45)	S	2-Fluorobiphenyl	1.737	1.605	1.532	1.272	1.337	1.246	1.090	1.403	16.29
46)		1,1'-Biphenyl	1.727	1.641	1.637	1.411	1.567	1.442	1.310	1.533	9.75
47)		2-Chloronaphth...	1.256	1.198	1.193	1.058	1.155	1.106	1.018	1.140	7.40
48)		2-Nitroaniline	0.205	0.240	0.292	0.298	0.344	0.337	0.330	0.292	17.90
49)		Acenaphthylene	2.083	2.025	2.009	1.783	1.958	1.830	1.665	1.908	7.94
50)		Dimethylphthalate	1.338	1.295	1.344	1.210	1.342	1.275	1.186	1.284	5.04
51)		2,6-Dinitrotol...	0.172	0.206	0.242	0.245	0.280	0.273	0.263	0.240	16.19
52)	C	Acenaphthene	1.260	1.191	1.200	1.066	1.180	1.111	1.021	1.147	7.32
53)		3-Nitroaniline	0.206	0.238	0.288	0.286	0.329	0.319	0.307	0.282	15.80
54)	P	2,4-Dinitrophenol		0.062	0.083	0.097	0.120	0.124	0.127	0.102	25.44
55)		Dibenzofuran	1.932	1.790	1.801	1.555	1.711	1.609	1.453	1.693	9.72
56)	P	4-Nitrophenol	0.159	0.178	0.210	0.214	0.253	0.240	0.231	0.212	15.82
57)		2,4-Dinitrotol...	0.222	0.250	0.303	0.318	0.368	0.355	0.341	0.308	17.63
58)		Fluorene	1.521	1.407	1.374	1.195	1.283	1.183	1.080	1.292	11.77
59)		2,3,4,6-Tetrac...	0.266	0.288	0.320	0.305	0.344	0.329	0.314	0.309	8.38
60)		Diethylphthalate	1.344	1.325	1.355	1.207	1.344	1.252	1.151	1.283	6.27
61)		4-Chlorophenyl...	0.699	0.666	0.658	0.577	0.638	0.590	0.535	0.623	9.26
62)		4-Nitroaniline	0.207	0.230	0.248	0.225	0.240	0.219	0.195	0.223	8.23
63)		Azobenzene	1.338	1.271	1.285	1.132	1.270	1.185	1.098	1.226	7.23
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.052	0.068	0.081	0.094	0.098	0.101	0.082	23.49
66)	c	n-Nitrosodiphe...	0.704	0.683	0.693	0.629	0.686	0.654	0.610	0.666	5.28
67)		4-Bromophenyl-...	0.230	0.227	0.232	0.216	0.238	0.227	0.217	0.227	3.44
68)		Hexachlorobenzene	0.264	0.246	0.253	0.237	0.258	0.248	0.240	0.249	3.84
69)		Atrazine	0.157	0.165	0.176	0.174	0.196	0.185	0.175	0.175	7.17
70)	C	Pentachlorophenol	0.094	0.109	0.130	0.139	0.153	0.150	0.144	0.131	16.65
71)		Phenanthrene	1.193	1.102	1.105	0.988	1.058	0.987	0.906	1.048	9.14
72)		Anthracene	1.210	1.136	1.134	1.018	1.093	1.023	0.927	1.077	8.77
73)		Carbazole	1.065	1.016	1.024	0.926	0.986	0.911	0.837	0.966	8.17
74)		Di-n-butylphth...	0.957	1.022	1.082	1.013	1.093	1.019	0.928	1.016	5.91
75)	C	Fluoranthene	1.198	1.154	1.128	0.985	1.051	0.956	0.863	1.048	11.46
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.272	0.384	0.358	0.426	0.403	0.337	0.363	15.09
78)		Pyrene	1.822	1.748	1.902	1.705	1.912	1.817	1.555	1.780	6.99
79)	S	Terphenyl-d14	1.493	1.424	1.460	1.255	1.390	1.314	1.123	1.351	9.61
80)		Butylbenzylpht...	0.282	0.330	0.439	0.469	0.545	0.549	0.527	0.449	23.70
81)		Benzo(a)anthra...	1.370	1.299	1.317	1.238	1.354	1.296	1.192	1.295	4.84
82)		3,3'-Dichlorob...	0.250	0.279	0.316	0.296	0.327	0.323	0.317	0.301	9.40
83)		Chrysene	1.294	1.227	1.247	1.104	1.238	1.203	1.128	1.206	5.59
84)		Bis(2-ethylhex...	0.328	0.417	0.557	0.601	0.699	0.716	0.697	0.573	26.35
85)	c	Di-n-octyl pht...		0.586	0.856	1.029	1.242	1.315	1.317	1.057	27.77

Response Factor Report BNA_F

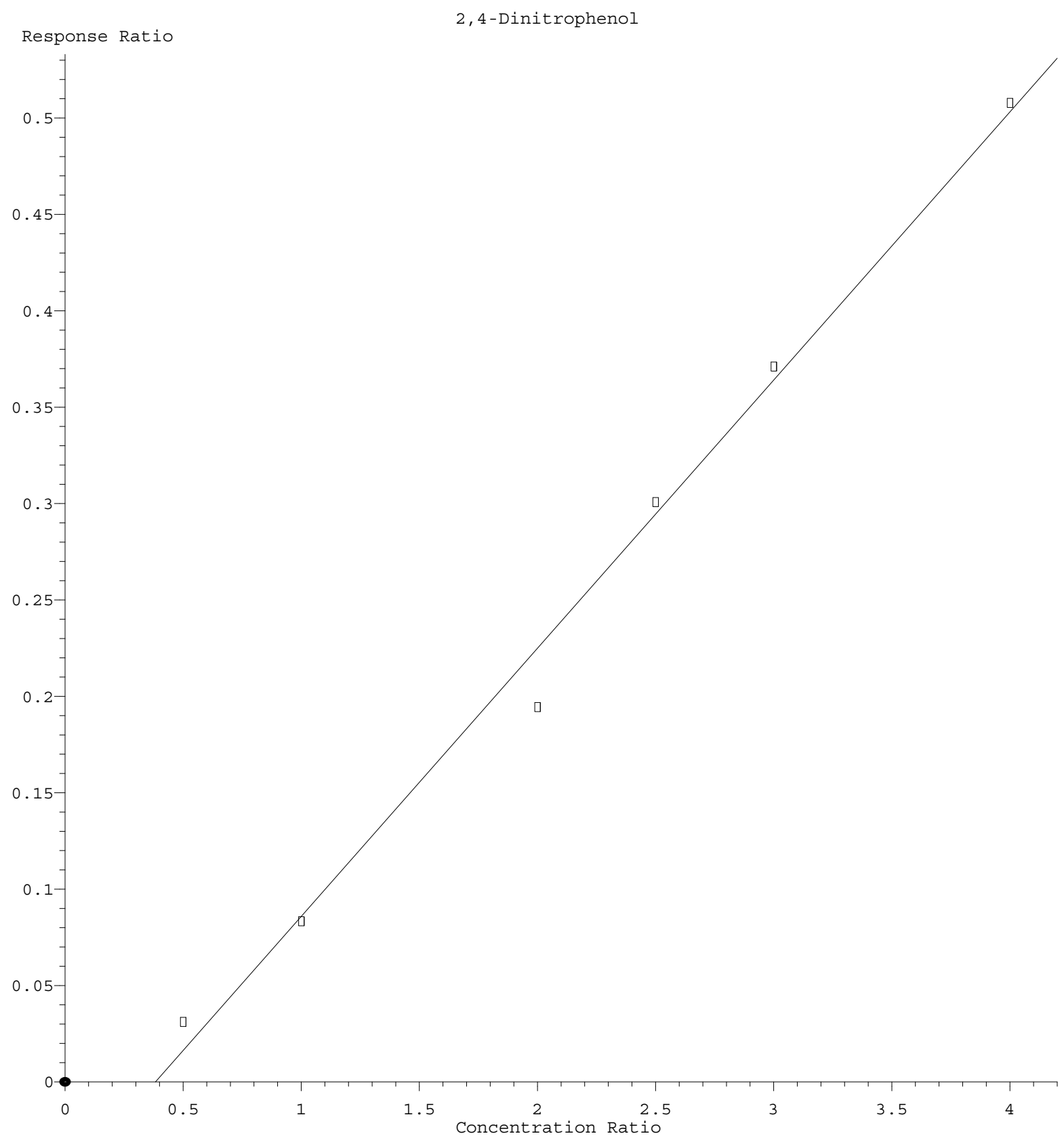
Method Path : Z:\svoasrv\HPCHEM1\BNA_F\Methods\
Method File : 8270-BF050525.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.152	1.281	1.421	1.384	1.596	1.504	1.402	1.391	10.38
88)		Benzo(b)fluora...	1.312	1.216	1.227	1.163	1.263	1.142	1.156	1.211	5.14
89)		Benzo(k)fluora...	1.158	1.142	1.164	1.040	1.172	1.114	0.969	1.109	6.88
90)	C	Benzo(a)pyrene	1.034	1.042	1.102	1.066	1.183	1.119	1.054	1.085	4.88
91)		Dibenzo(a,h)an...	0.987	1.066	1.194	1.137	1.308	1.224	1.129	1.149	9.17
92)		Benzo(g,h,i)pe...	0.971	1.056	1.175	1.120	1.295	1.225	1.143	1.141	9.37

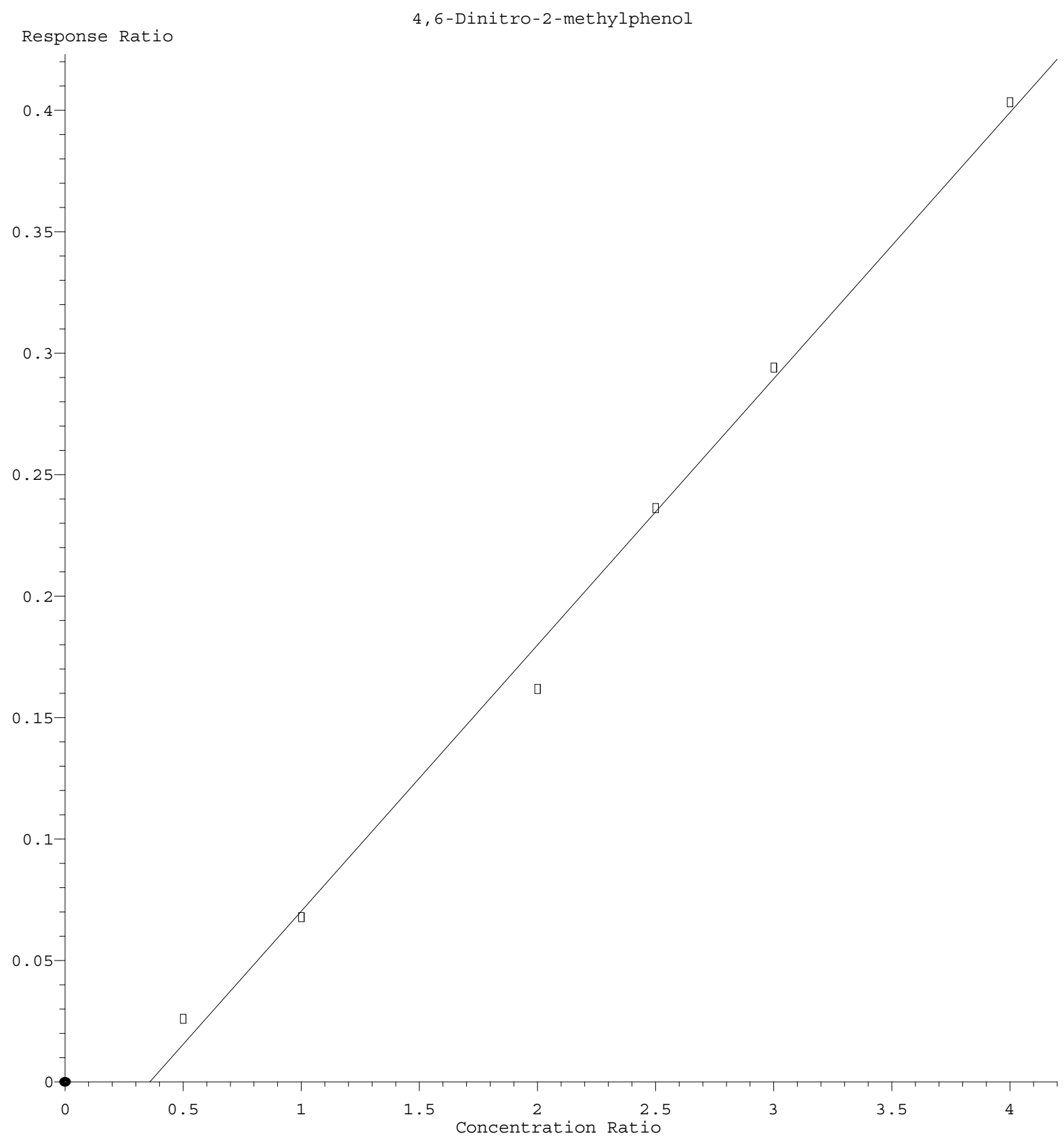
(#) = Out of Range



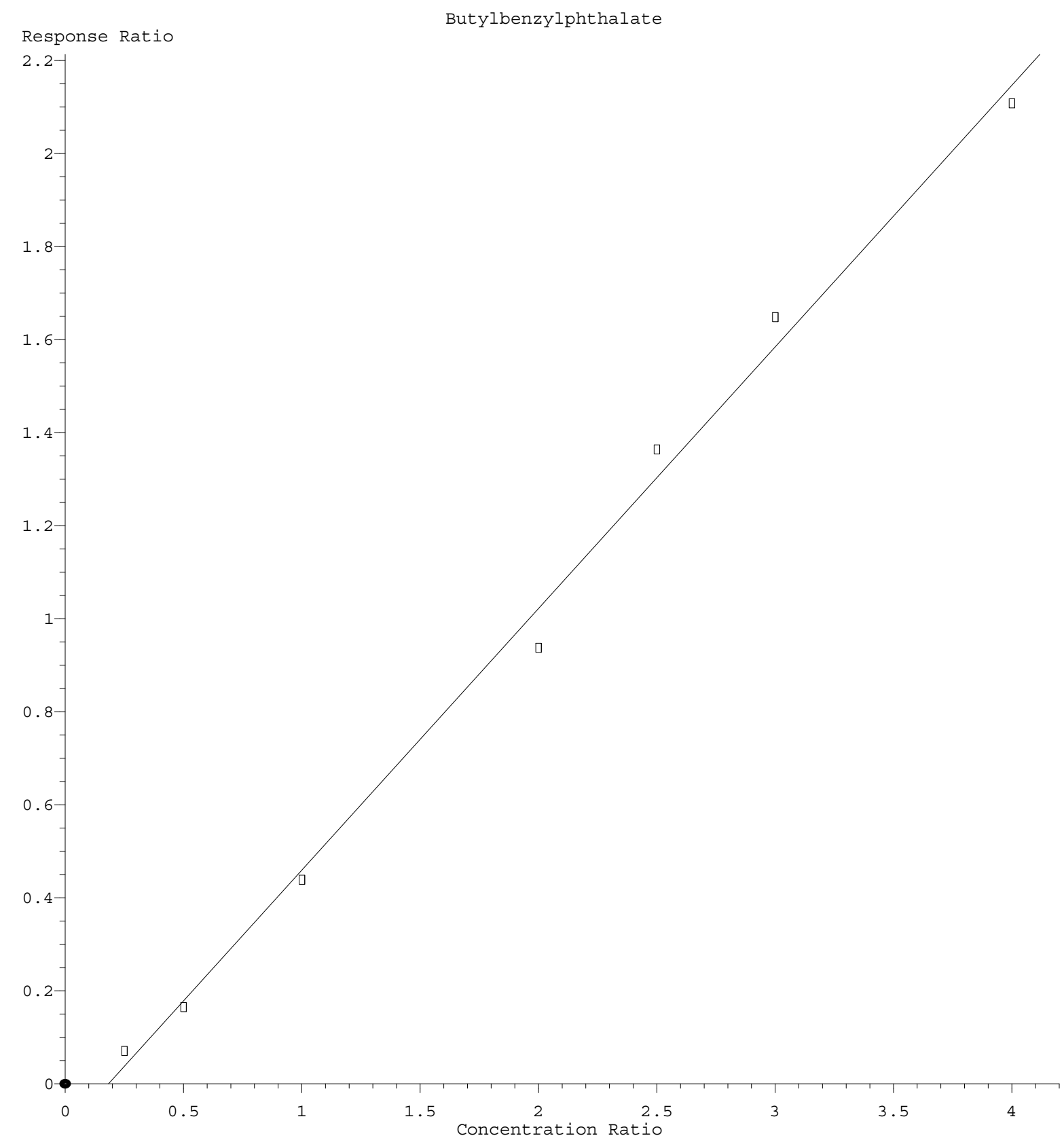
Response = 1.629e-001 * Amt - 3.329e-002
Coef of Det (r^2) = 0.995567 Curve Fit: Linear
Method: Q:\8270-SVOC-TCL\BNA-20\HPCHEM1\BNA F\Methods\8270-BF050525.M
Calibration Table Last Updated: Mon May 05 18:41:44 2025



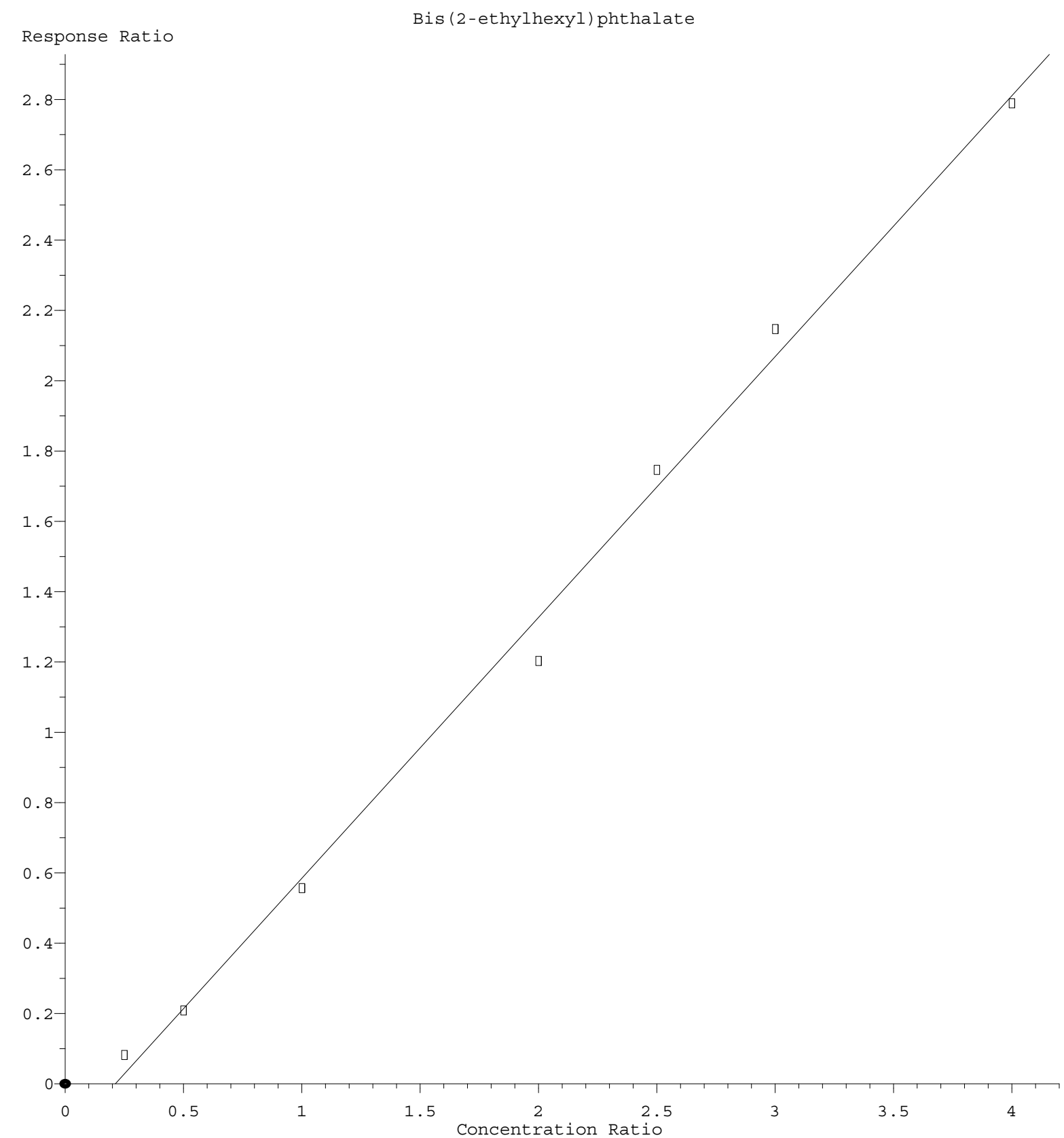
Response = 1.391e-001 * Amt - 5.328e-002
Coef of Det (r^2) = 0.992198 Curve Fit: Linear
Method: C:\Chem32\1\Data\BNA 20v\HPCHEM1\BNA F\Methods\8270-BF050525.M
Calibration Table Last Updated: Mon May 05 18:41:44 2025



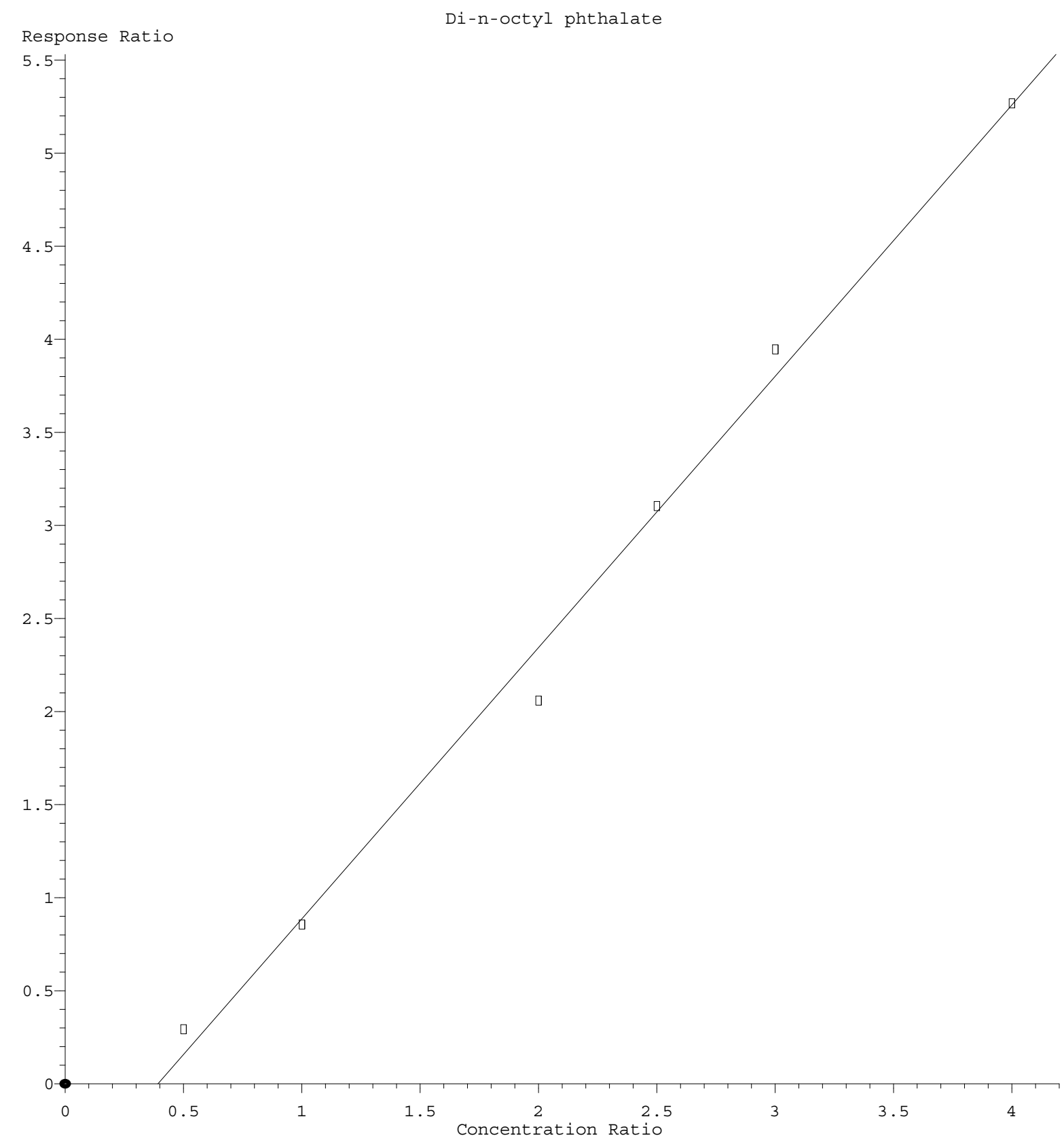
Response = 1.096e-001 * Amt - 3.939e-002
Coef of Det (r^2) = 0.995176 Curve Fit: Linear
Method: Q:\8270-SVOC-TCL\BNA-20\HPCHEM1\BNA F\Methods\8270-BF050525.M
Calibration Table Last Updated: Mon May 05 18:41:44 2025



Response = 5.624e-001 * Amt - 1.029e-001
Coef of Det (r^2) = 0.995038 Curve Fit: Linear
Method: C:\Chem32\1\Data\Q1985-SVOC-TCL BNA-20\HPCHEM1\BNA F\Methods\8270-BF050525.M
Calibration Table Last Updated: Mon May 05 18:41:44 2025



Response = 7.421e-001 * Amt - 1.572e-001
Coef of Det (r^2) = 0.995584 Curve Fit: Linear
Method: Q:\BNSVOC-TC\BNA-20\HPCHEM1\BNA F\Methods\8270-BF050525.M
Calibration Table Last Updated: Mon May 05 18:41:44 2025



Response = 1.458e+000 * Amt - 5.715e-001
Coef of Det (r^2) = 0.993132 Curve Fit: Linear
Method: Q:\BNSVOC-TCL\BNA-20\HPCHEM1\BNA F\Methods\8270-BF050525.M
Calibration Table Last Updated: Mon May 05 18:41:44 2025

Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142295.D
Acq On : 05 May 2025 13:54
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: May 05 17:55:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 17:44:56 2025
Response via : Initial Calibration

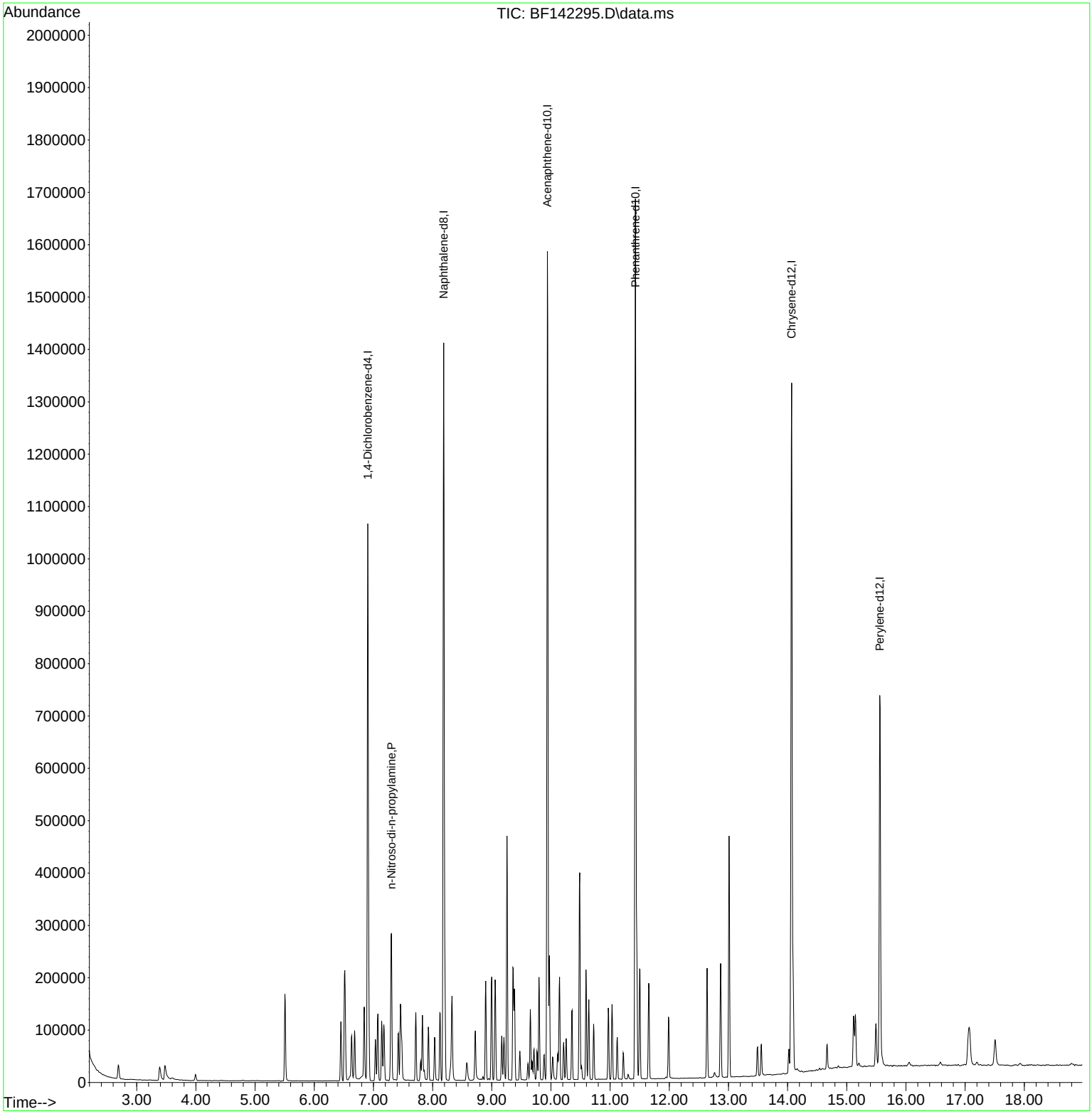
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	220458	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	851705	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	461090	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	826586	20.000	ng	0.00
76) Chrysene-d12	14.069	240	600134	20.000	ng	0.00
86) Perylene-d12	15.557	264	417952	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	0.000	112	0d	0.000	ng	
7) Phenol-d6	0.000	99	0d	0.000	ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000	ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000	ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000	ng	
79) Terphenyl-d14	0.000	244	0d	0.000	ng	
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.304	70	23149	2.356	ng	93

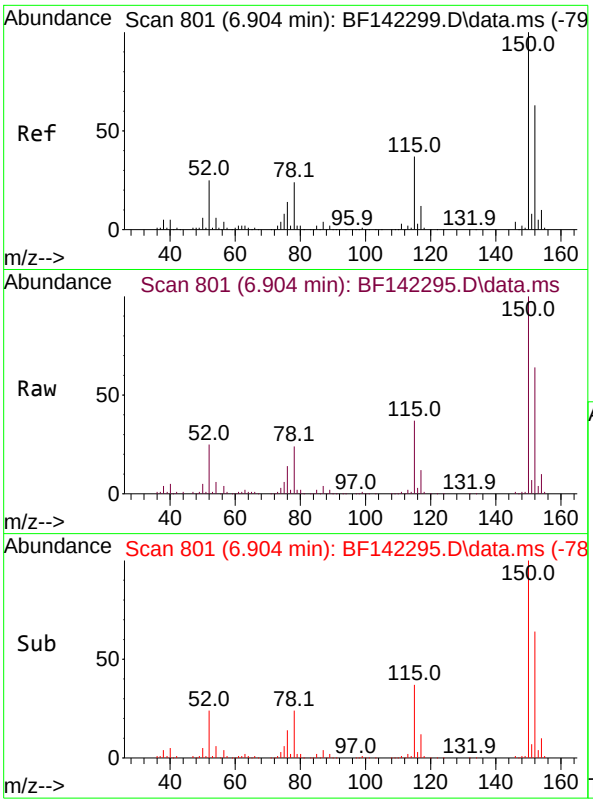
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142295.D
Acq On : 05 May 2025 13:54
Operator : RC/JU
Sample : SSTDICC2.5
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Quant Time: May 05 17:55:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 17:44:56 2025
Response via : Initial Calibration



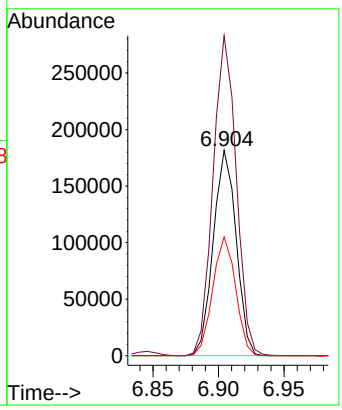


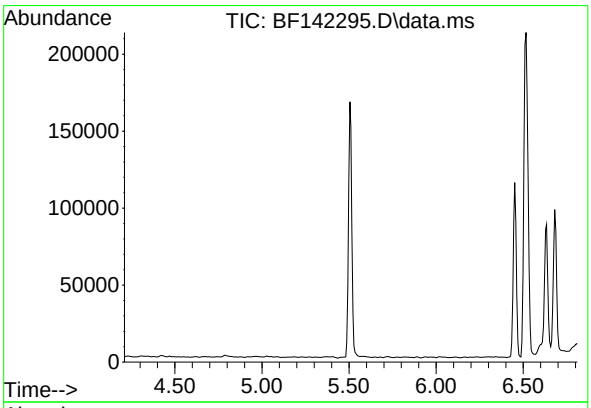
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142295.D
Acq: 05 May 2025 13:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:152 Resp: 220458

Ion	Ratio	Lower	Upper
152	100		
150	155.9	126.6	190.0
115	57.9	47.3	70.9



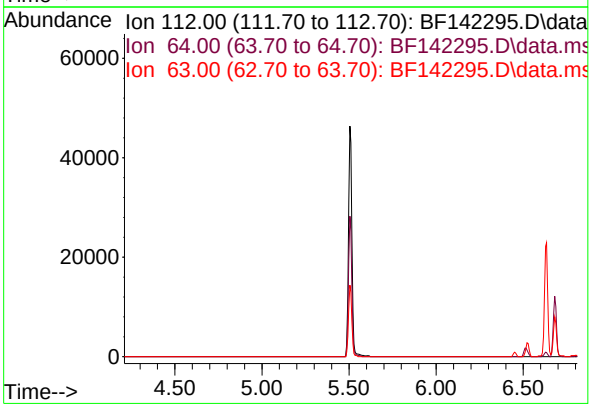


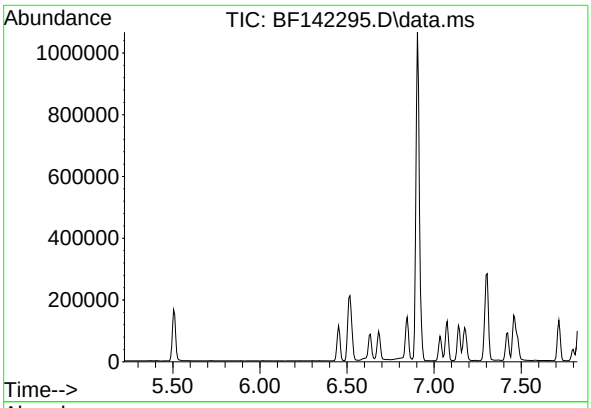
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.51 min

Lab File: BF142295.D
Acq: 05 May 2025 13:54

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	61.1
63	32.0





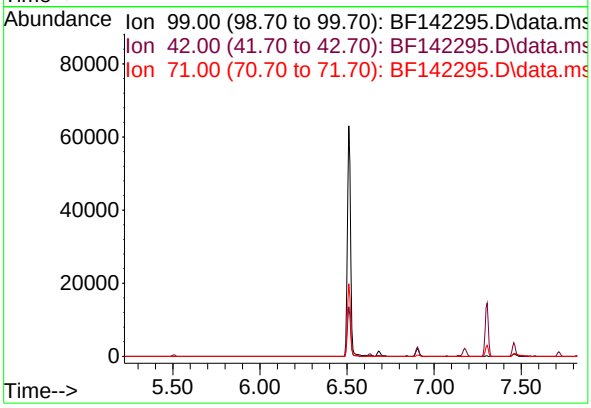
#7
Phenol-d6
Concen: 0.000 ng
Expected RT: 6.52 min

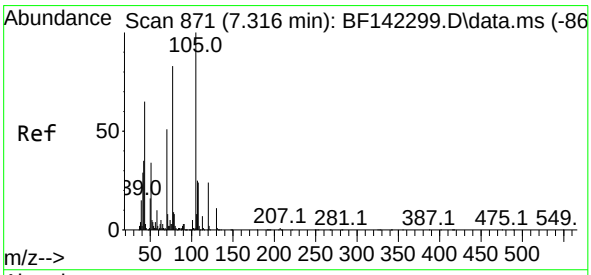
Lab File: BF142295.D
Acq: 05 May 2025 13:54

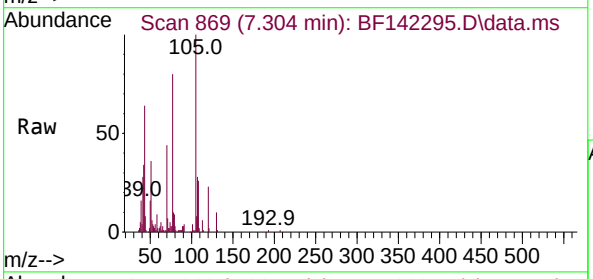
Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

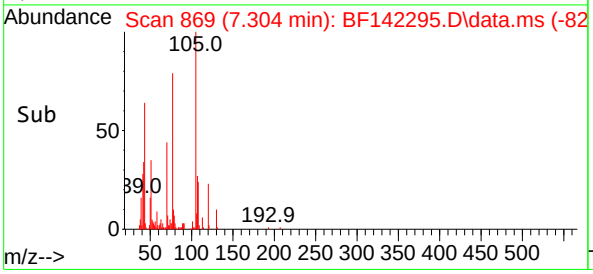
Tgt Ion: 99

Sig	Exp Ratio
99	100
42	21.2
71	32.3





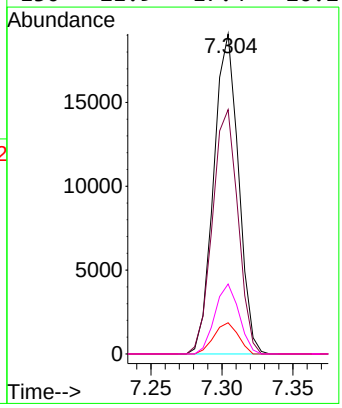


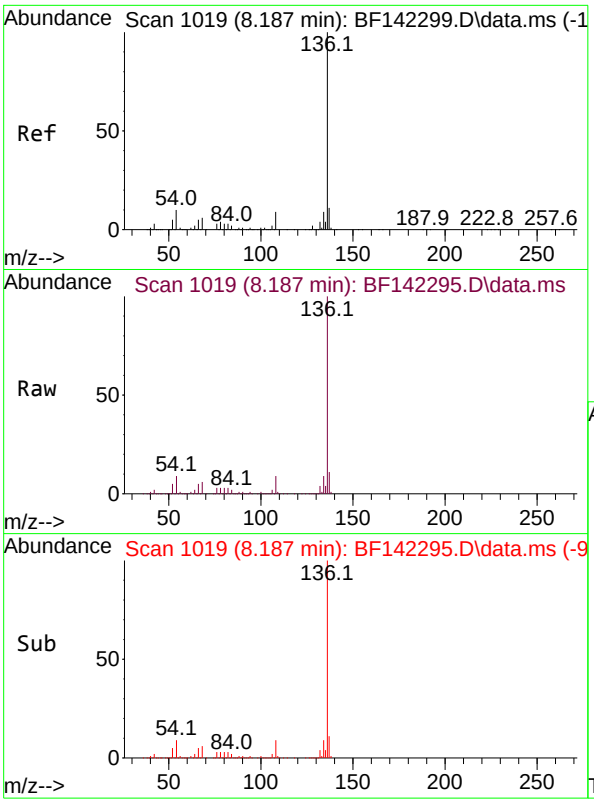


#19
n-Nitroso-di-n-propylamine
Concen: 2.356 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF142295.D
Acq: 05 May 2025 13:54

Tgt Ion: 70 Resp: 23149

Ion	Ratio	Lower	Upper
70	100		
42	76.4	54.8	82.2
101	9.7	7.7	11.5
130	21.9	17.4	26.2



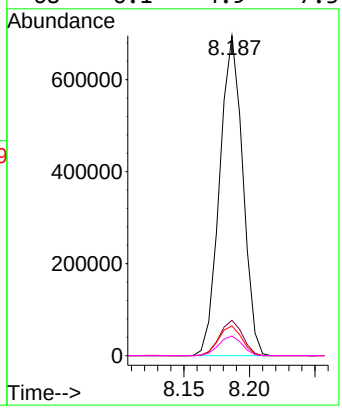


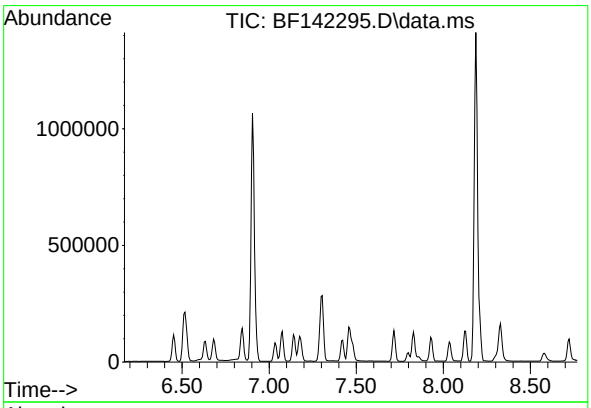
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142295.D
Acq: 05 May 2025 13:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 851705

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	9.3	7.7	11.5
68	6.1	4.9	7.3



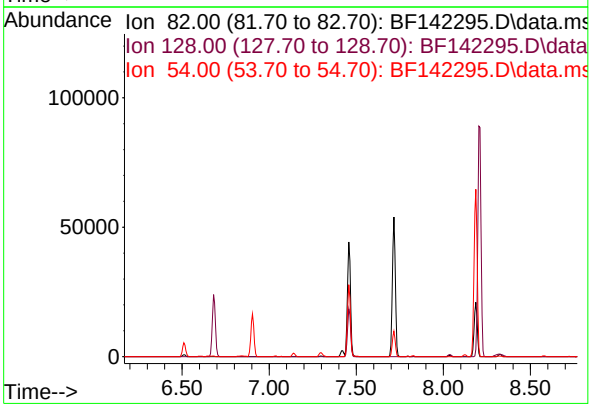


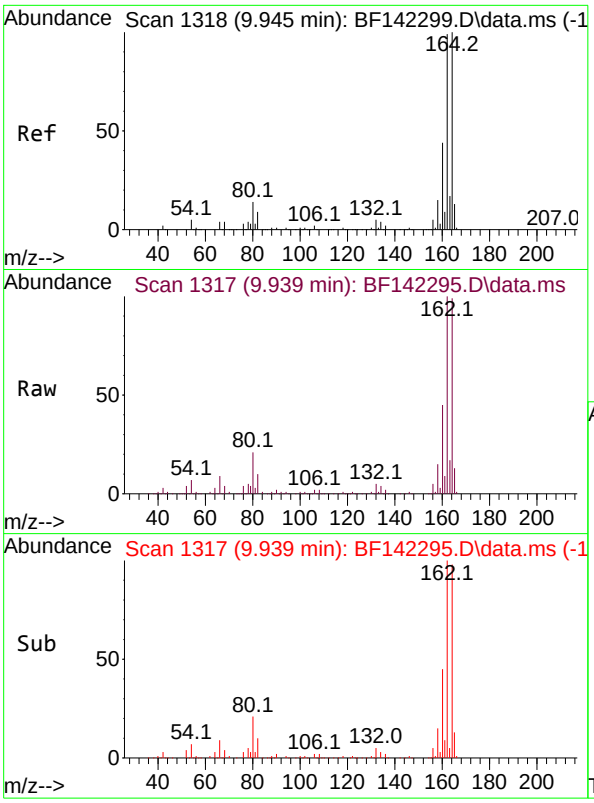
#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.47 min

Lab File: BF142295.D
Acq: 05 May 2025 13:54

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	46.3
54	60.8



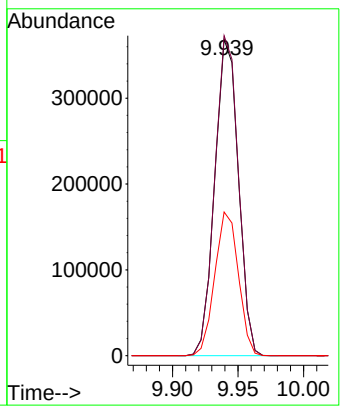


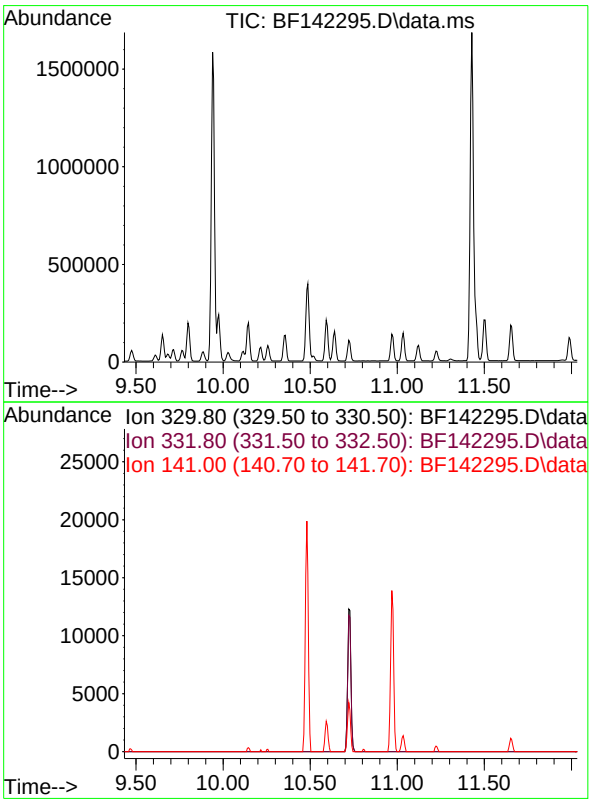
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142295.D
Acq: 05 May 2025 13:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:164 Resp: 461090

Ion	Ratio	Lower	Upper
164	100		
162	101.2	79.2	118.8
160	45.4	35.3	52.9



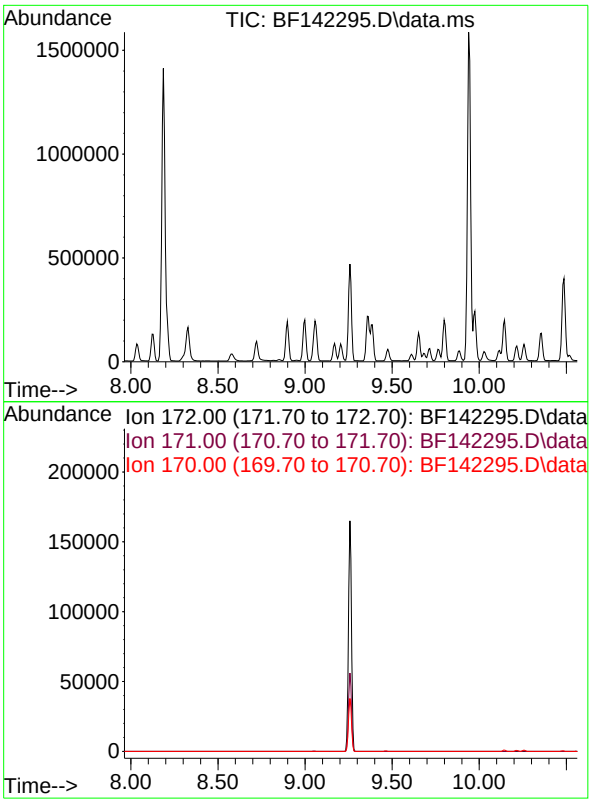


#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.73 min

Lab File: BF142295.D
Acq: 05 May 2025 13:54

Tgt Ion: 330

Sig	Exp Ratio
330	100
332	96.0
141	31.1



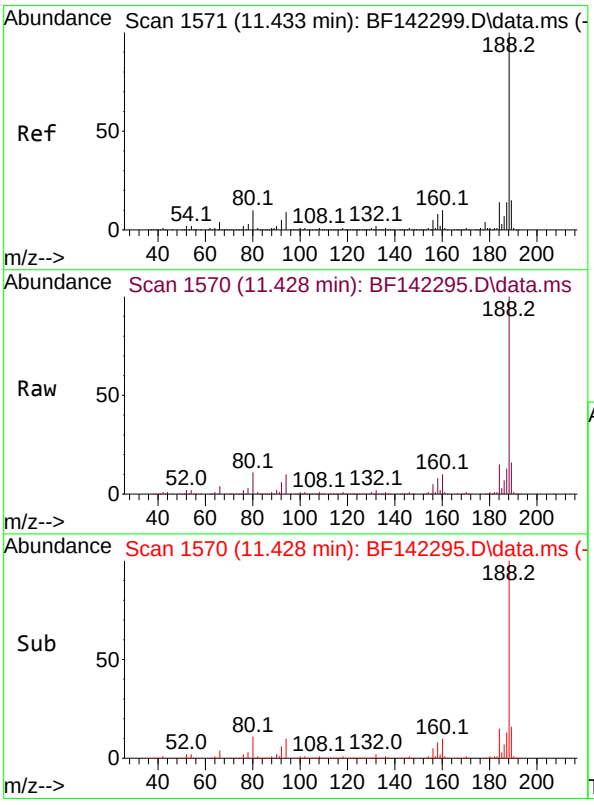
#45
2-Fluorobiphenyl
Concen: 0.000 ng
Expected RT: 9.26 min

Lab File: BF142295.D
Acq: 05 May 2025 13:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion: 172

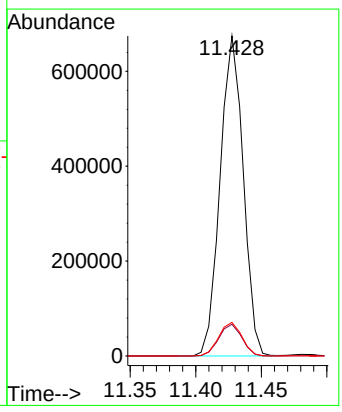
Sig	Exp Ratio
172	100
171	35.7
170	23.7

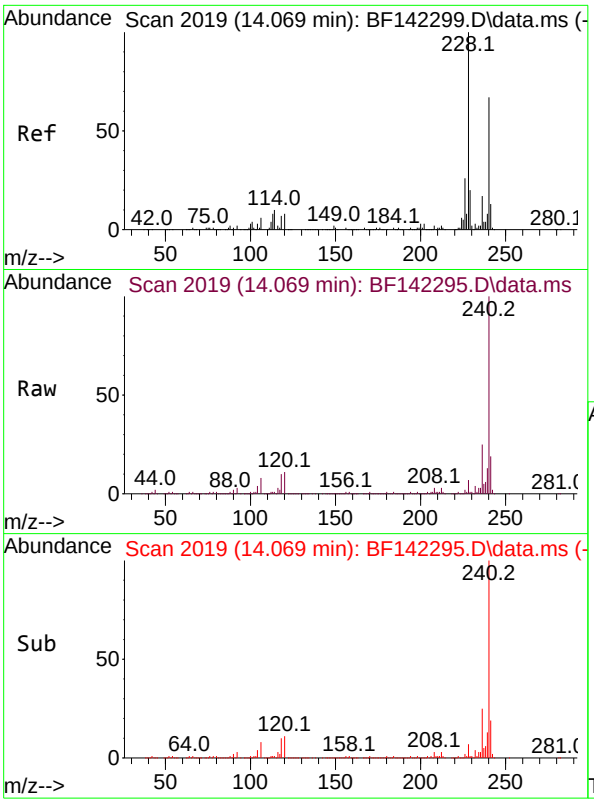


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142295.D
Acq: 05 May 2025 13:54

Tgt Ion:188 Resp: 826586

Ion	Ratio	Lower	Upper
188	100		
94	9.9	7.5	11.3
80	10.5	7.9	11.9



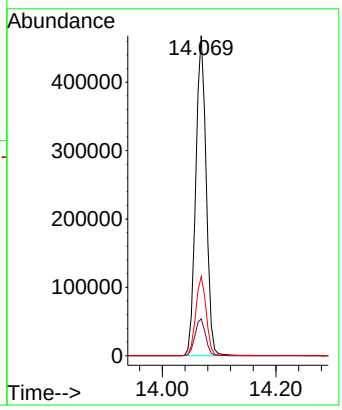


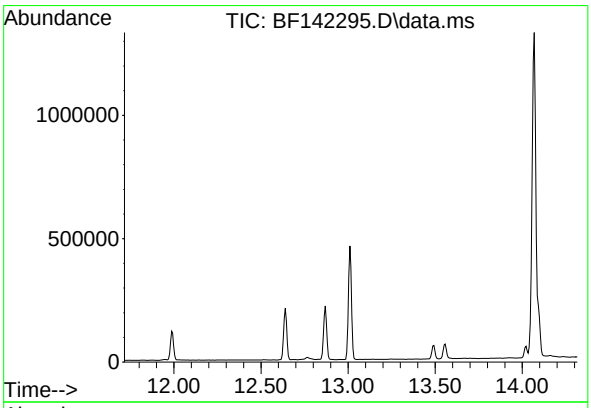
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF142295.D
Acq: 05 May 2025 13:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:240 Resp: 600134

Ion	Ratio	Lower	Upper
240	100		
120	11.5	9.7	14.5
236	24.7	20.0	30.0



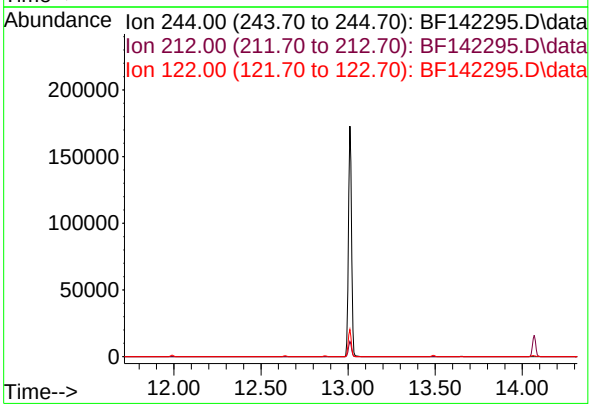


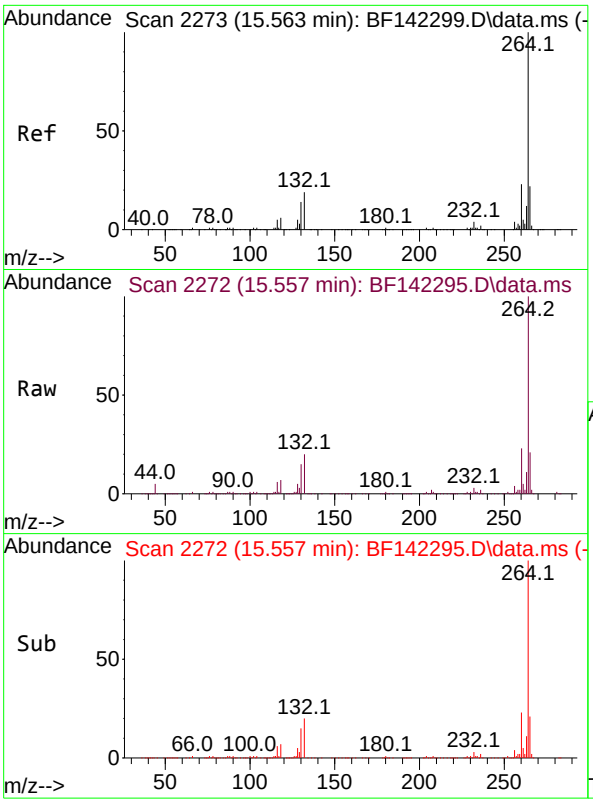
#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 13.02 min

Lab File: BF142295.D
Acq: 05 May 2025 13:54

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	6.8
122	11.2



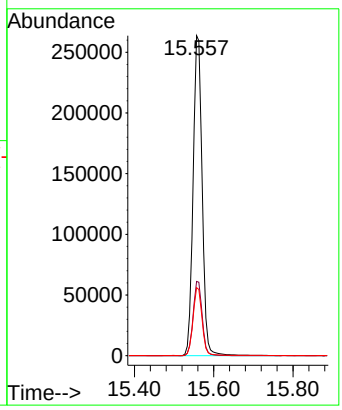


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142295.D
Acq: 05 May 2025 13:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 417952

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	27.8
265	21.3	17.5	26.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142296.D
Acq On : 05 May 2025 14:23
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

Quant Time: May 05 17:56:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 17:44:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.904	152	207173	20.000	ng		0.00
21) Naphthalene-d8	8.187	136	800106	20.000	ng		0.00
39) Acenaphthene-d10	9.939	164	439288	20.000	ng		0.00
64) Phenanthrene-d10	11.427	188	788007	20.000	ng		0.00
76) Chrysene-d12	14.068	240	553678	20.000	ng		0.00
86) Perylene-d12	15.557	264	376971	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.504	112	125572	10.347	ng		0.00
7) Phenol-d6	6.510	99	156415	10.479	ng		-0.01
23) Nitrobenzene-d5	7.457	82	115545	8.807	ng		-0.01
42) 2,4,6-Tribromophenol	10.727	330	35296	8.322	ng		0.00
45) 2-Fluorobiphenyl	9.257	172	381508	12.383	ng		0.00
79) Terphenyl-d14	13.010	244	413313	11.049	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.687	88	28652	5.243	ng		100
3) Pyridine	3.463	79	60003m	4.669	ng		
4) n-Nitrosodimethylamine	3.387	42	37175	4.985	ng	#	98
6) Aniline	6.563	93	49440	3.377	ng		97
8) 2-Chlorophenol	6.681	128	62258	4.801	ng		98
9) Benzaldehyde	6.451	77	54313	6.217	ng		97
10) Phenol	6.522	94	82817	5.234	ng		97
11) bis(2-Chloroethyl)ether	6.634	93	92675m	5.940	ng		
12) 1,3-Dichlorobenzene	6.845	146	80536	5.428	ng		99
13) 1,4-Dichlorobenzene	6.922	146	80900	5.431	ng		98
14) 1,2-Dichlorobenzene	7.075	146	76655	5.361	ng		99
15) Benzyl Alcohol	7.034	79	42272	4.374	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.175	45	123229	5.289	ng		100
17) 2-Methylphenol	7.140	107	53481	5.094	ng		98
18) Hexachloroethane	7.422	117	24476	4.938	ng		98
19) n-Nitroso-di-n-propyla...	7.304	70	48843	5.290	ng		97
20) 3+4-Methylphenols	7.292	107	70122	5.351	ng		89
22) Acetophenone	7.304	105	101001	5.677	ng		98
24) Nitrobenzene	7.481	77	56276	4.551	ng		98
25) Isophorone	7.716	82	127812	5.145	ng		98
26) 2-Nitrophenol	7.798	139	17854	6.828	ng		97
27) 2,4-Dimethylphenol	7.828	122	62210	4.981	ng		99
28) bis(2-Chloroethoxy)met...	7.928	93	86020	5.385	ng		98
29) 2,4-Dichlorophenol	8.034	162	49005	4.615	ng		99
30) 1,2,4-Trichlorobenzene	8.128	180	65738	5.501	ng		98
31) Naphthalene	8.210	128	220404	5.684	ng		98
33) 4-Chloroaniline	8.275	127	74603m	4.723	ng		
34) Hexachlorobutadiene	8.328	225	37522	5.302	ng		99
35) Caprolactam	8.581	113	12615	4.085	ng		96
36) 4-Chloro-3-methylphenol	8.722	107	56110	5.083	ng		99
37) 2-Methylnaphthalene	8.898	142	134367	5.576	ng		99
38) 1-Methylnaphthalene	8.998	142	141952	5.652	ng		99
40) 1,2,4,5-Tetrachloroben...	9.063	216	65890	5.370	ng		99
41) Hexachlorocyclopentadiene	9.051	237	31389	4.140	ng		99
43) 2,4,6-Trichlorophenol	9.169	196	33630	4.346	ng		98
44) 2,4,5-Trichlorophenol	9.204	196	37237	4.522	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142296.D
Acq On : 05 May 2025 14:23
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

Quant Time: May 05 17:56:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 17:44:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	9.363	154	189666	5.631	ng		98
47) 2-Chloronaphthalene	9.386	162	137929	5.506	ng		98
48) 2-Nitroaniline	9.475	65	22539	3.510	ng		95
49) Acenaphthylene	9.798	152	228773	5.460	ng		99
50) Dimethylphthalate	9.651	163	146916	5.208	ng		99
51) 2,6-Dinitrotoluene	9.716	165	18933	3.586	ng		95
52) Acenaphthene	9.975	154	138379	5.492	ng		96
53) 3-Nitroaniline	9.886	138	22656	3.659	ng	#	98
55) Dibenzofuran	10.145	168	212190	5.706	ng		99
56) 4-Nitrophenol	10.028	139	17445	3.743	ng		96
57) 2,4-Dinitrotoluene	10.116	165	24415	3.605	ng		96
58) Fluorene	10.486	166	167029	5.886	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.257	232	29233	4.301	ng		99
60) Diethylphthalate	10.357	149	147649	5.241	ng		98
61) 4-Chlorophenyl-phenyle...	10.480	204	76782	5.608	ng		98
62) 4-Nitroaniline	10.486	138	22736	4.632	ng		93
63) Azobenzene	10.639	77	146968	5.460	ng		99
66) n-Nitrosodiphenylamine	10.592	169	138600	5.286	ng		99
67) 4-Bromophenyl-phenylether	10.975	248	45301	5.072	ng		97
68) Hexachlorobenzene	11.033	284	51978	5.291	ng		100
69) Atrazine	11.122	200	30914	4.472	ng		99
70) Pentachlorophenol	11.227	266	18599	3.599	ng		98
71) Phenanthrene	11.451	178	235107	5.692	ng		98
72) Anthracene	11.504	178	238345	5.616	ng		98
73) Carbazole	11.657	167	209878	5.512	ng		98
74) Di-n-butylphthalate	11.986	149	188462	4.707	ng		99
75) Fluoranthene	12.639	202	236016	5.716	ng		99
78) Pyrene	12.869	202	252238	5.118	ng		98
80) Butylbenzylphthalate	13.492	149	39082	6.169	ng		98
81) Benzo(a)anthracene	14.057	228	189654	5.289	ng		99
82) 3,3'-Dichlorobenzidine	14.021	252	34544	4.143	ng		99
83) Chrysene	14.092	228	179085	5.365	ng		100
84) Bis(2-ethylhexyl)phtha...	14.051	149	45343	6.444	ng		98
87) Indeno(1,2,3-cd)pyrene	17.057	276	108522	4.138	ng		99
88) Benzo(b)fluoranthene	15.115	252	123666	5.416	ng		99
89) Benzo(k)fluoranthene	15.145	252	109149	5.224	ng		99
90) Benzo(a)pyrene	15.492	252	97418	4.761	ng		100
91) Dibenzo(a,h)anthracene	17.080	278	93055	4.295	ng		98
92) Benzo(g,h,i)perylene	17.509	276	91492	4.255	ng		98

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

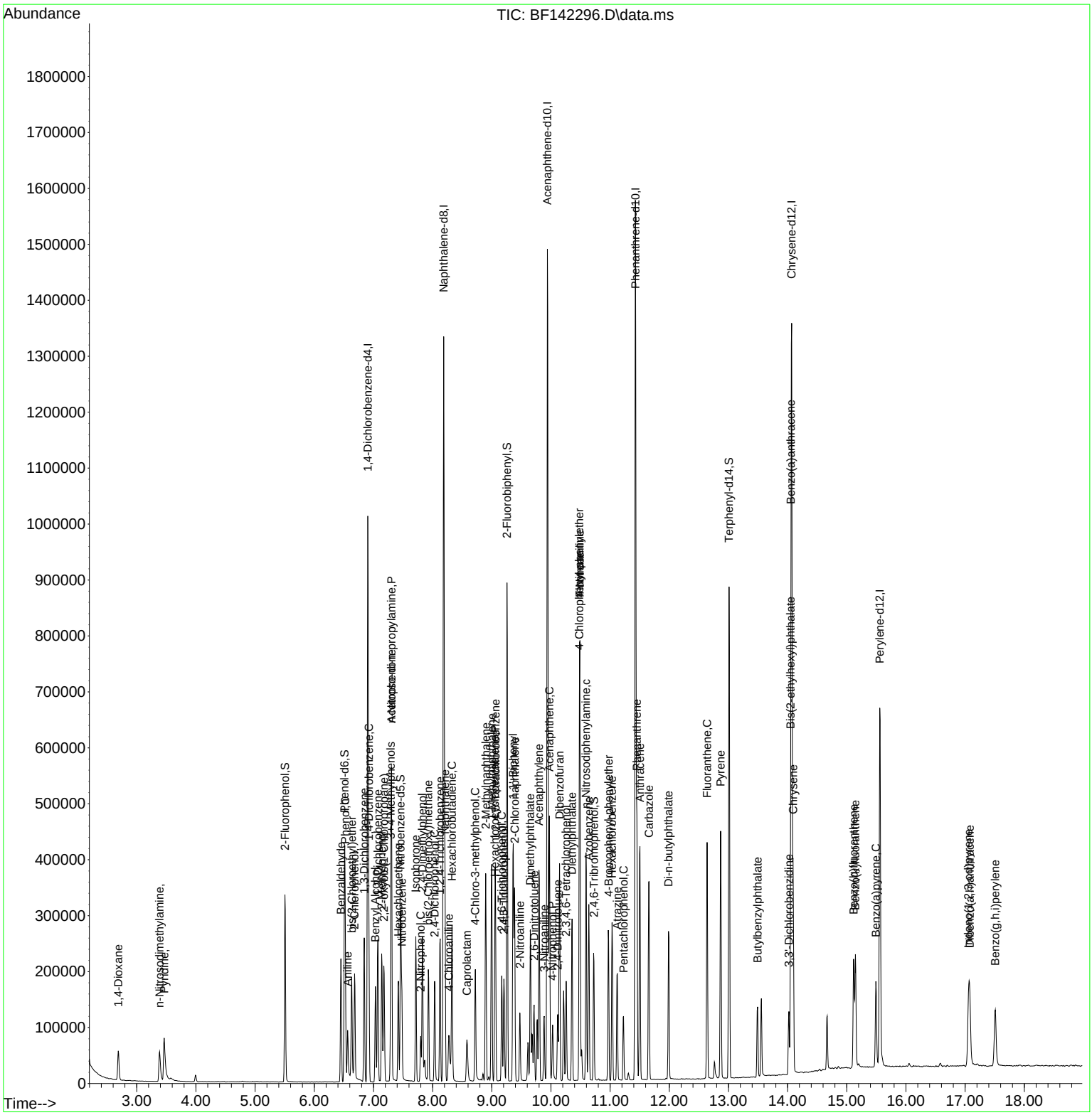
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142296.D
Acq On : 05 May 2025 14:23
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

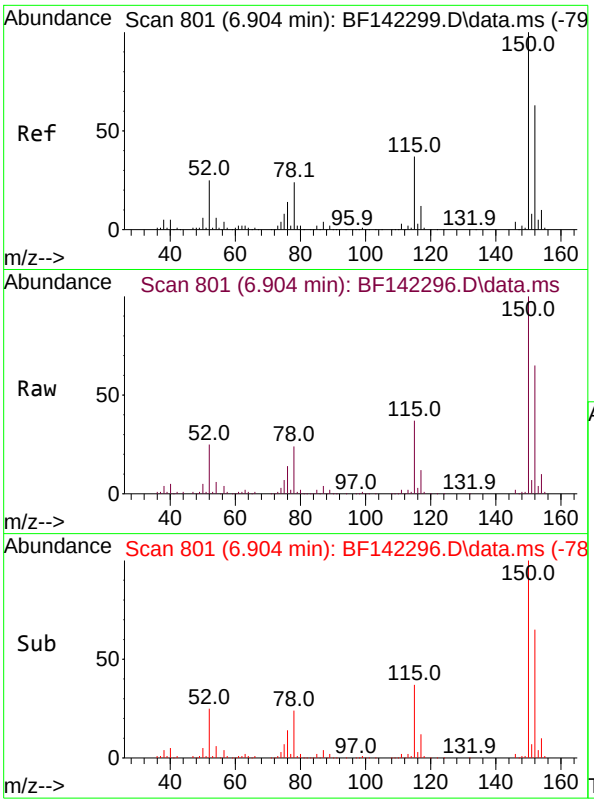
Quant Time: May 05 17:56:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 17:44:56 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

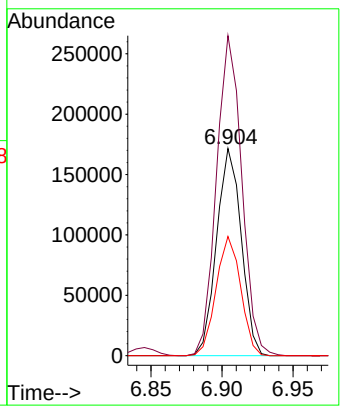




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:152 Resp: 20717

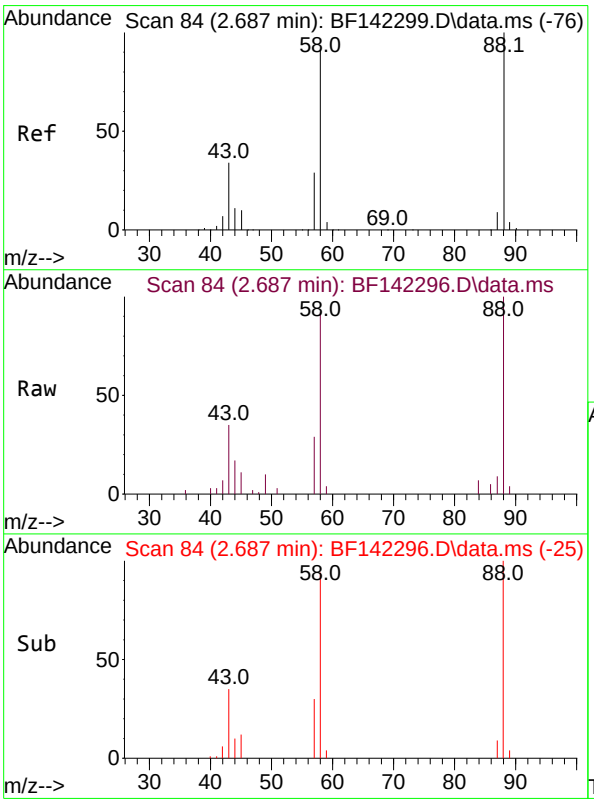
Ion	Ratio	Lower	Upper
152	100		
150	154.5	126.6	190.0
115	57.6	47.3	70.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

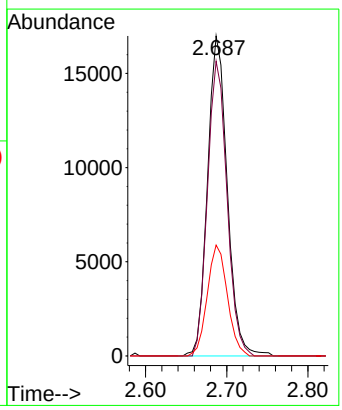
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

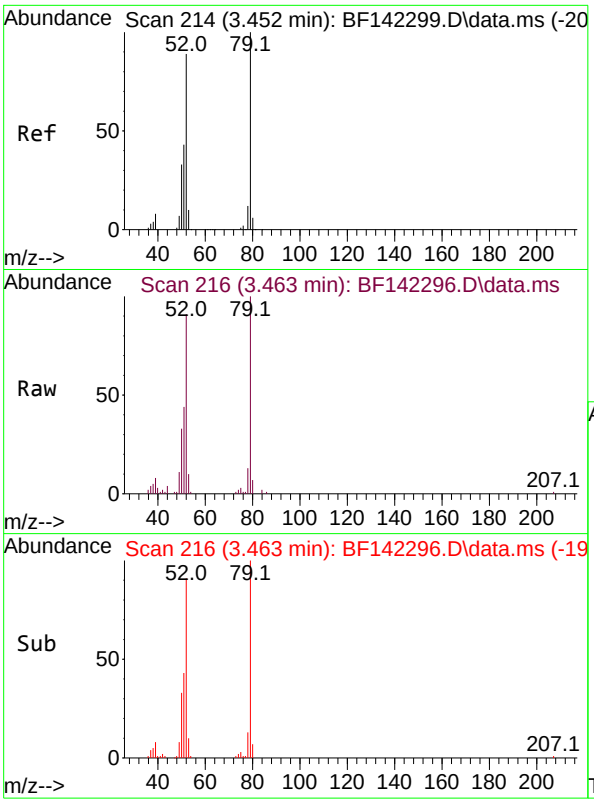


#2
1,4-Dioxane
Concen: 5.243 ng
RT: 2.687 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion: 88 Resp: 28652

Ion	Ratio	Lower	Upper
88	100		
58	91.1	73.0	109.4
43	35.3	27.8	41.6

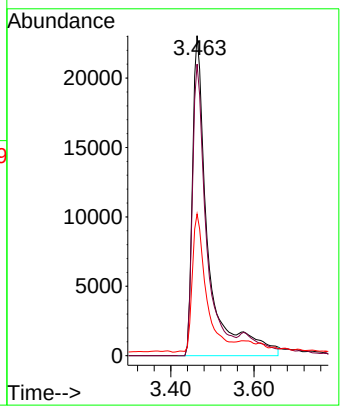




#3
Pyridine
Concen: 4.669 ng m
RT: 3.463 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion: 79 Resp: 6000

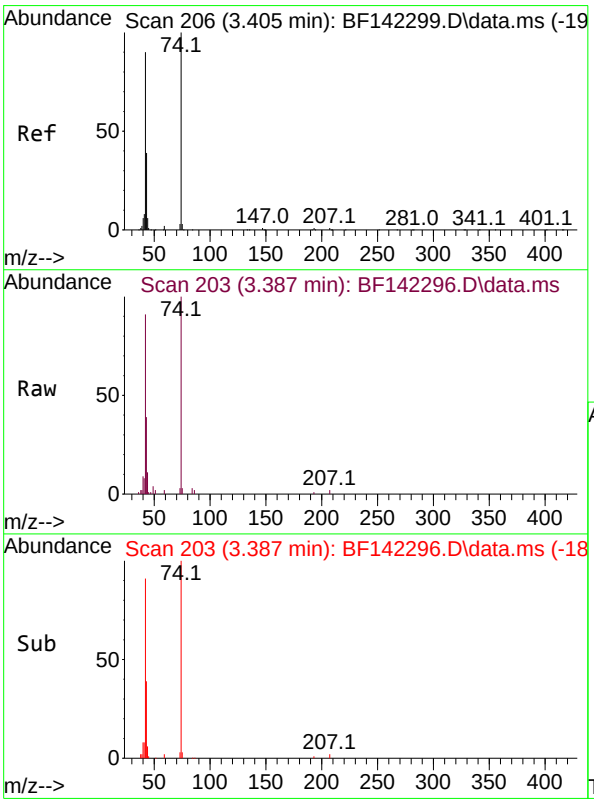
Ion	Ratio	Lower	Upper
79	100		
52	91.1	71.0	106.4
51	44.3	34.9	52.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

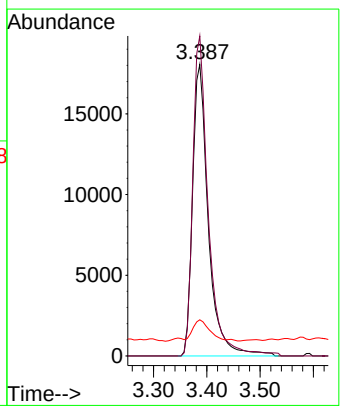
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

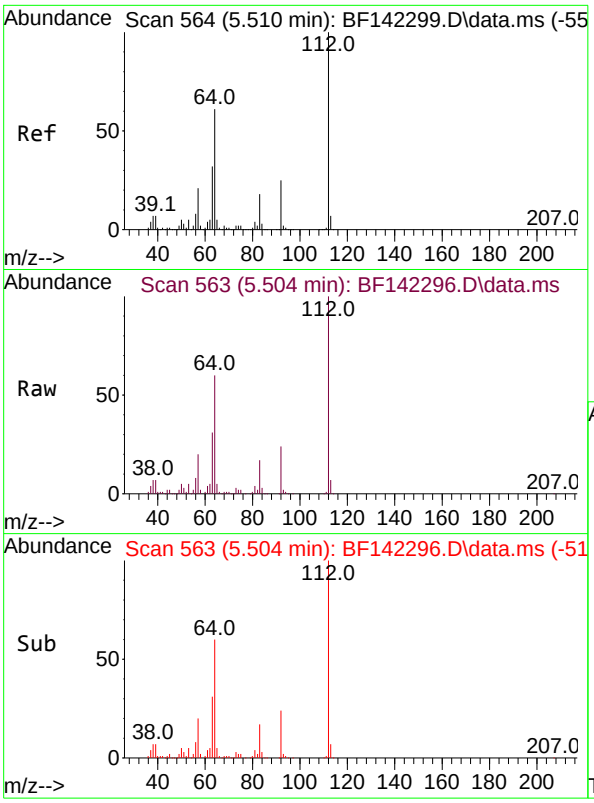


#4
n-Nitrosodimethylamine
Concen: 4.985 ng
RT: 3.387 min Scan# 203
Delta R.T. -0.018 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion: 42 Resp: 37175

Ion	Ratio	Lower	Upper
42	100		
74	109.7	88.5	132.7
44	12.4	5.8	8.8#





#5
2-Fluorophenol
Concen: 10.347 ng
RT: 5.504 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

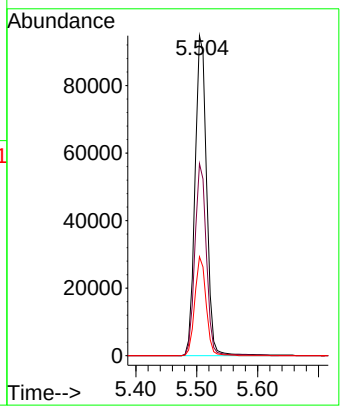
Tgt Ion:112 Resp: 12557

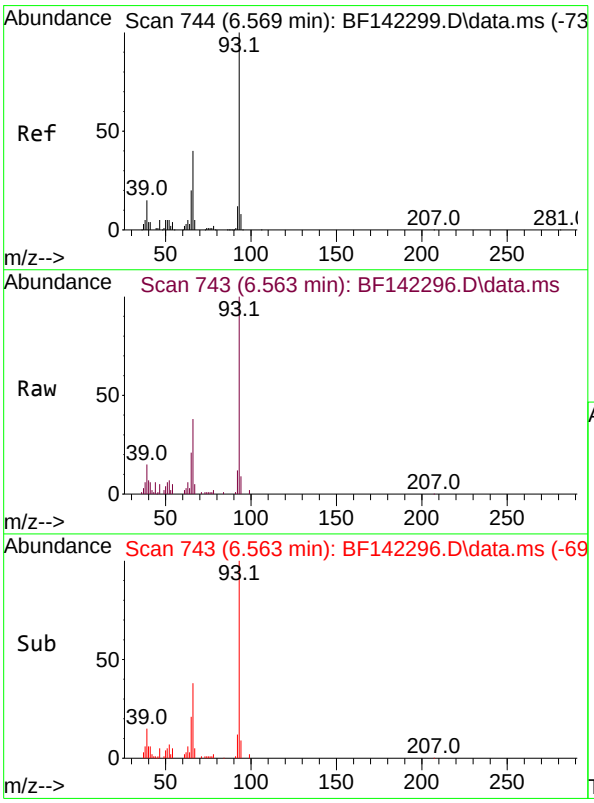
Ion	Ratio	Lower	Upper
112	100		
64	60.0	48.9	73.3
63	30.9	25.6	38.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

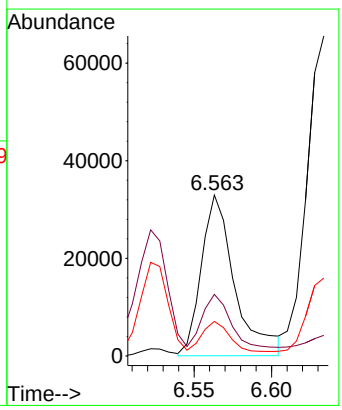


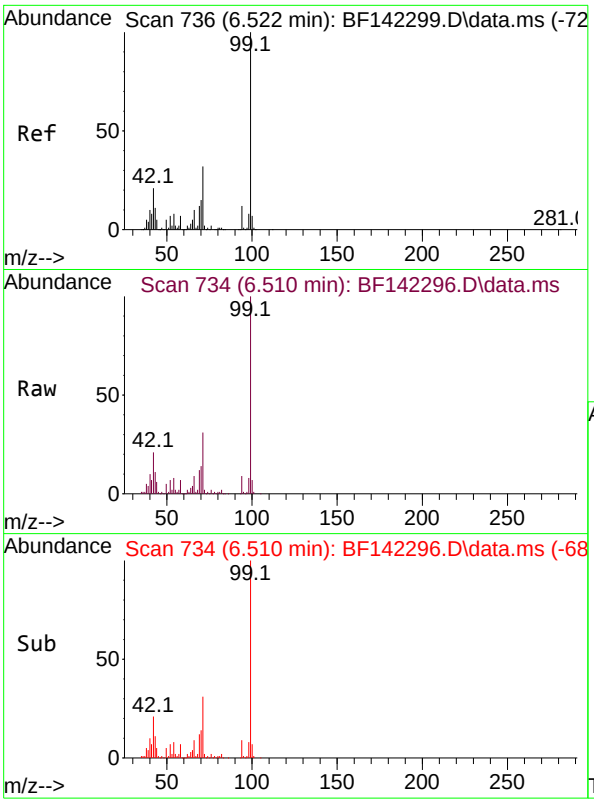


#6
Aniline
Concen: 3.377 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion: 93 Resp: 49440

Ion	Ratio	Lower	Upper
93	100		
66	38.3	32.2	48.4
65	21.4	16.3	24.5

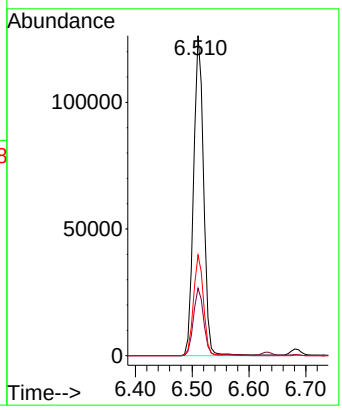




#7
Phenol-d6
Concen: 10.479 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion: 99 Resp: 15641

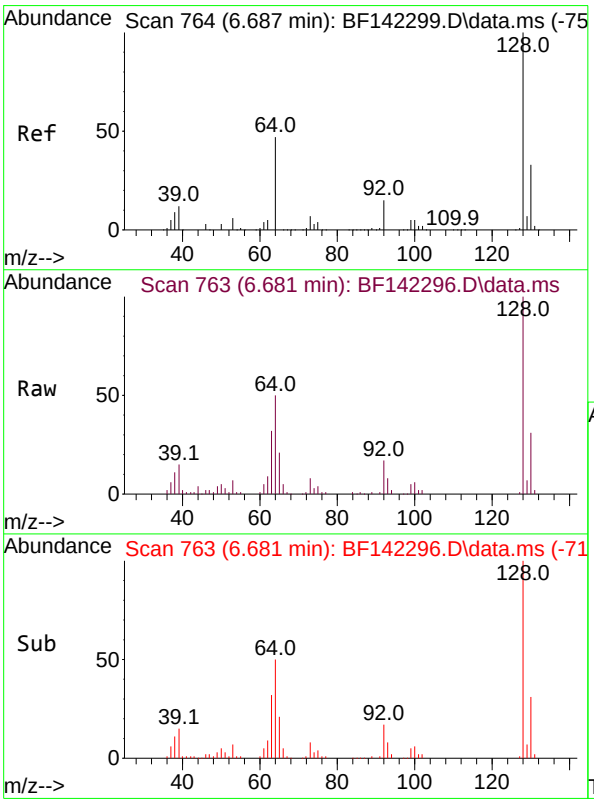
Ion	Ratio	Lower	Upper
99	100		
42	21.1	17.0	25.4
71	31.4	25.8	38.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

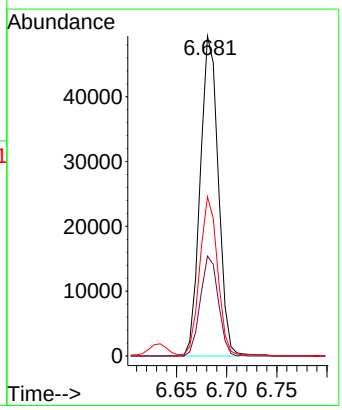
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

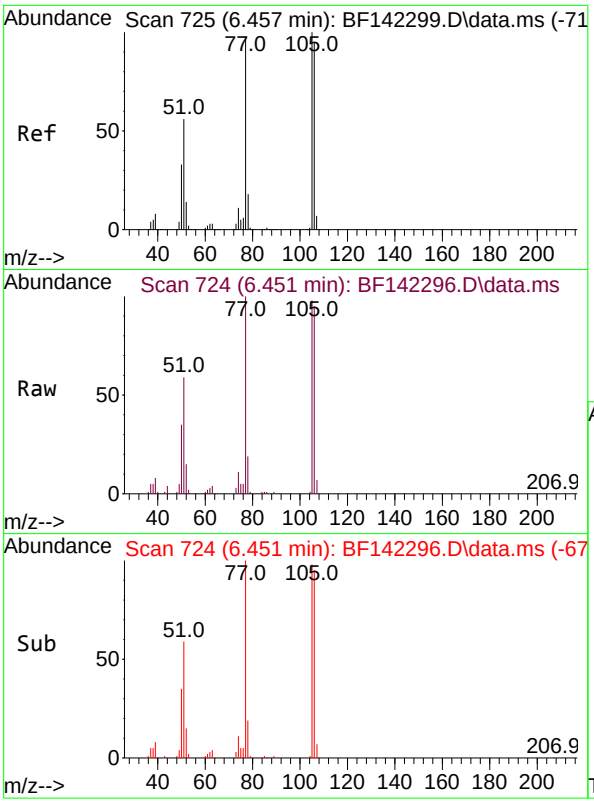


#8
2-Chlorophenol
Concen: 4.801 ng
RT: 6.681 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:128 Resp: 62258

Ion	Ratio	Lower	Upper
128	100		
130	31.2	12.7	52.7
64	49.8	29.2	69.2

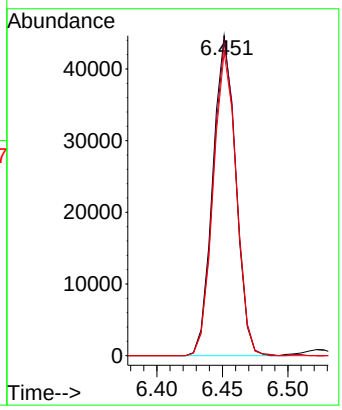




#9
Benzaldehyde
Concen: 6.217 ng
RT: 6.451 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion: 77 Resp: 5431

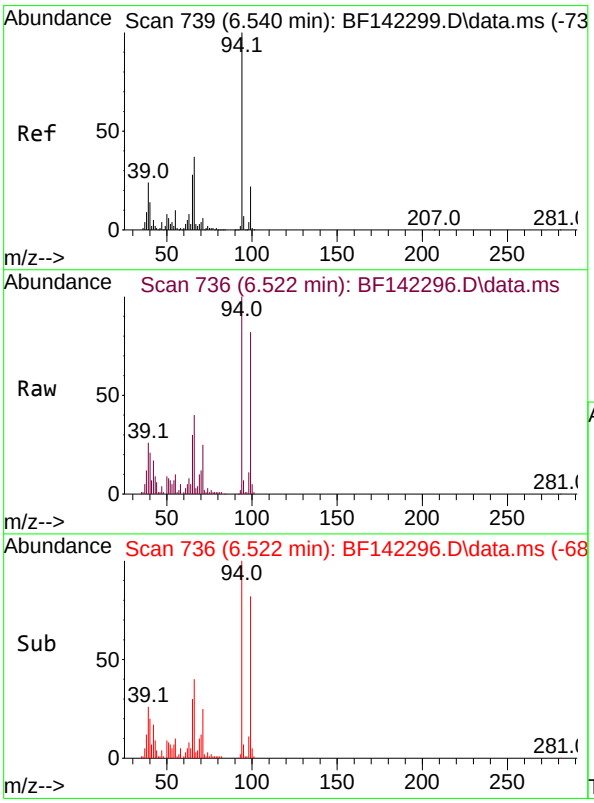
Ion	Ratio	Lower	Upper
77	100		
105	98.1	82.0	122.0
106	94.9	77.2	117.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

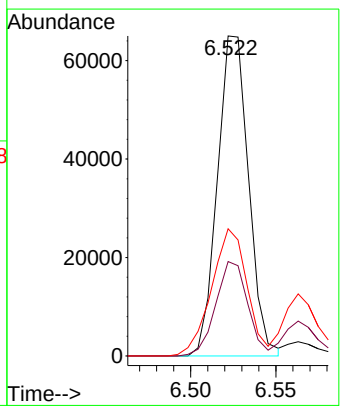
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

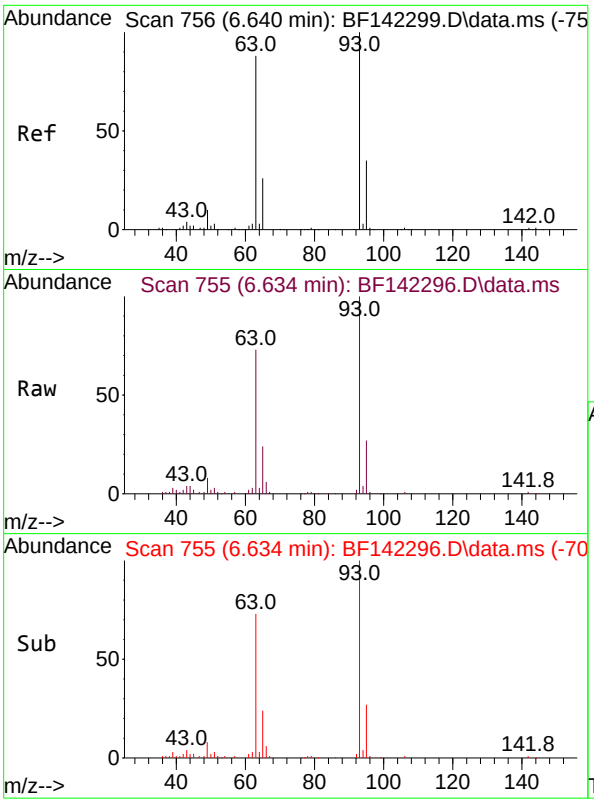


#10
Phenol
Concen: 5.234 ng
RT: 6.522 min Scan# 736
Delta R.T. -0.018 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion: 94 Resp: 82817

Ion	Ratio	Lower	Upper
94	100		
65	29.5	8.5	48.5
66	39.8	17.3	57.3

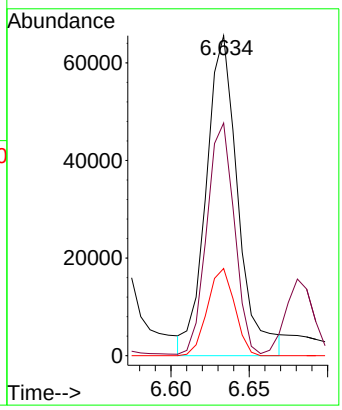




#11
bis(2-Chloroethyl)ether
Concen: 5.940 ng m
RT: 6.634 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion: 93 Resp: 9267

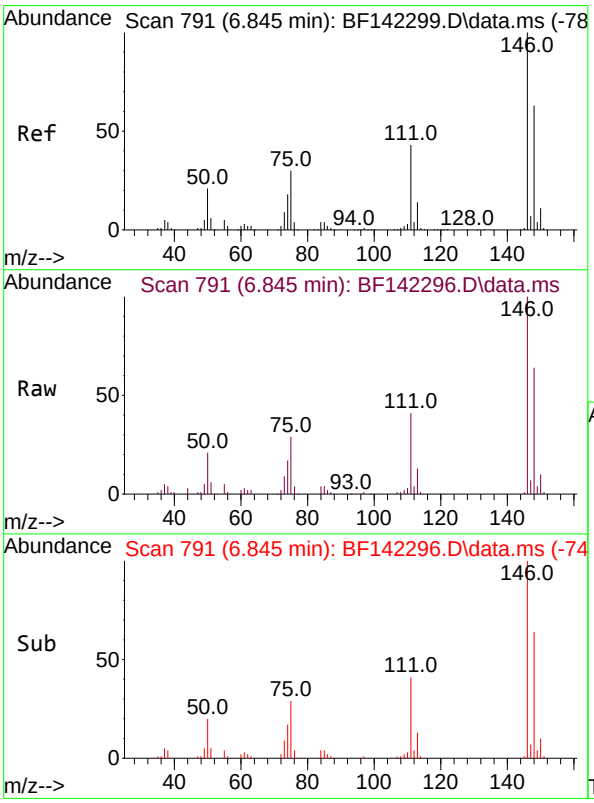
Ion	Ratio	Lower	Upper
93	100		
63	72.7	58.4	98.4
95	27.2	10.6	50.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

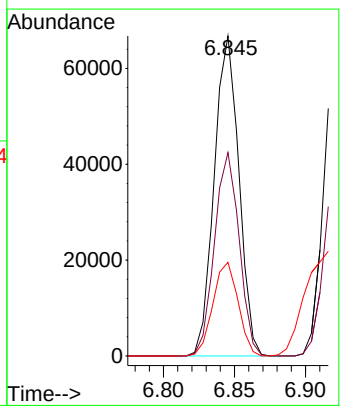
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

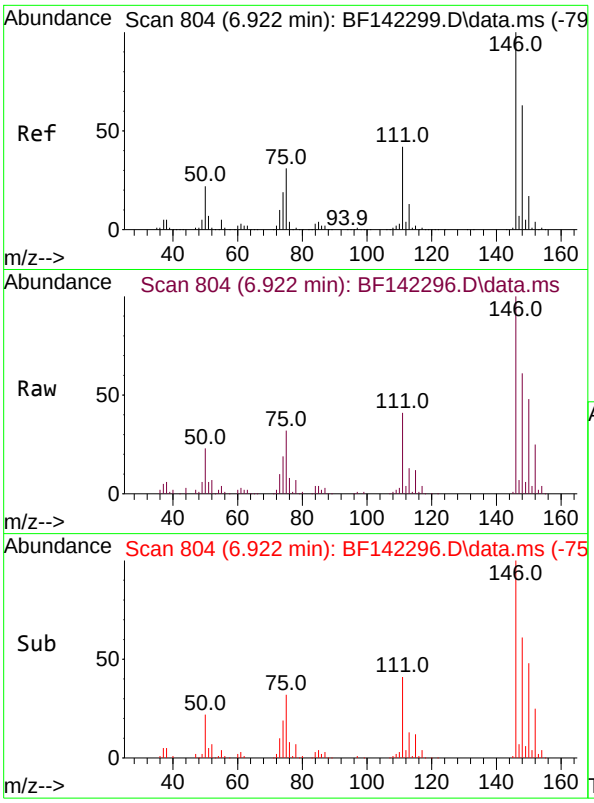


#12
1,3-Dichlorobenzene
Concen: 5.428 ng
RT: 6.845 min Scan# 791
Delta R.T. -0.000 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:146 Resp: 80536

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.6	76.0
75	29.3	24.2	36.4

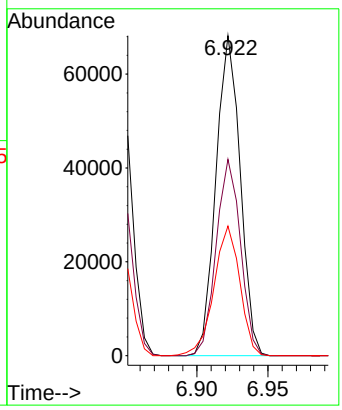




#13
1,4-Dichlorobenzene
Concen: 5.431 ng
RT: 6.922 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:146 Resp: 8090

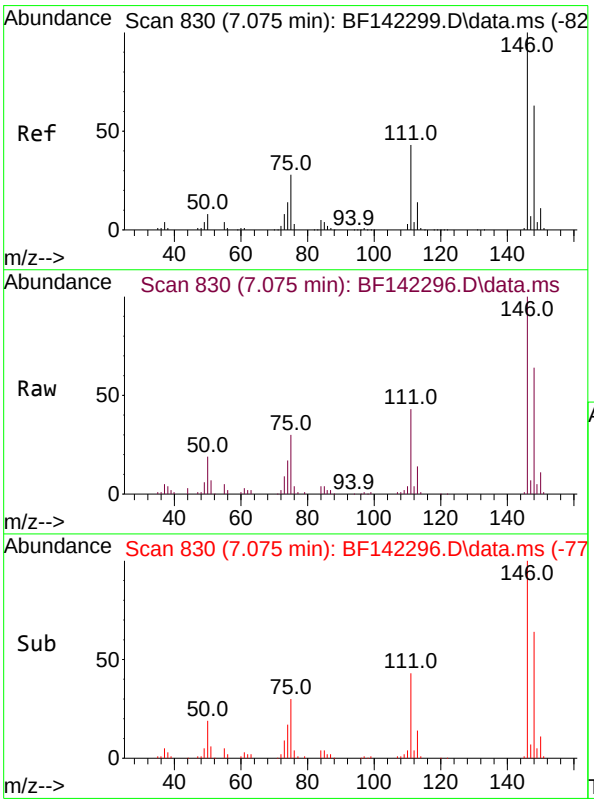
Ion	Ratio	Lower	Upper
146	100		
148	61.4	50.5	75.7
111	40.5	33.4	50.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

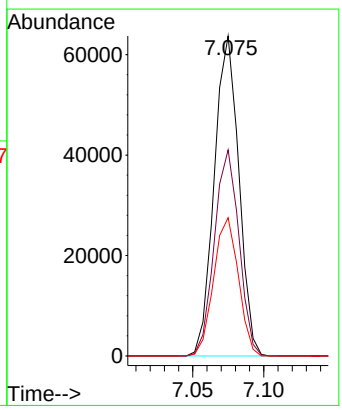
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

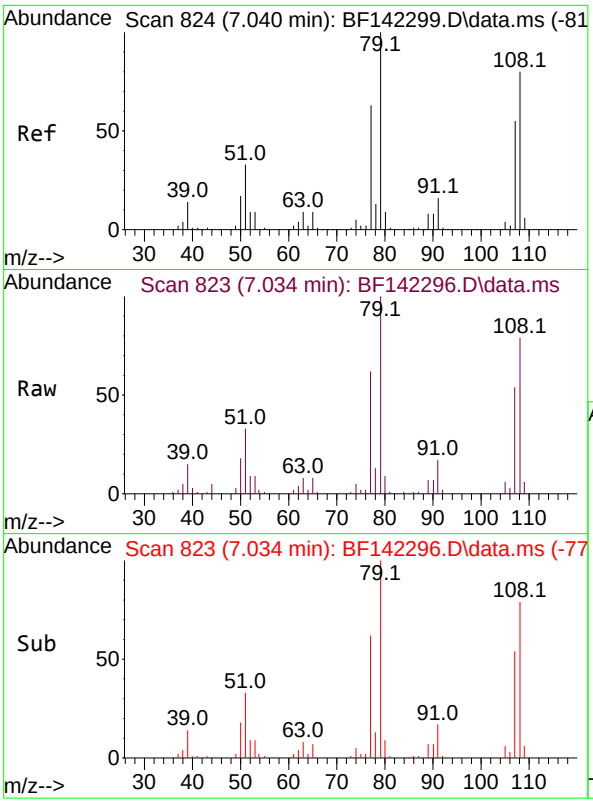


#14
1,2-Dichlorobenzene
Concen: 5.361 ng
RT: 7.075 min Scan# 830
Delta R.T. -0.000 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:146 Resp: 76655

Ion	Ratio	Lower	Upper
146	100		
148	64.4	50.3	75.5
111	43.2	34.5	51.7

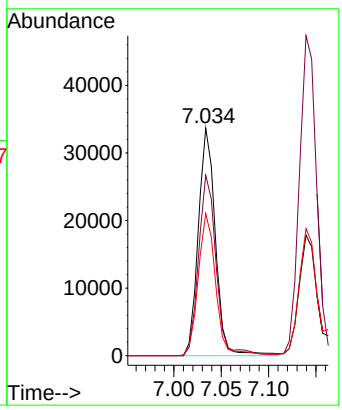




#15
Benzyl Alcohol
Concen: 4.374 ng
RT: 7.034 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion: 79 Resp: 4227

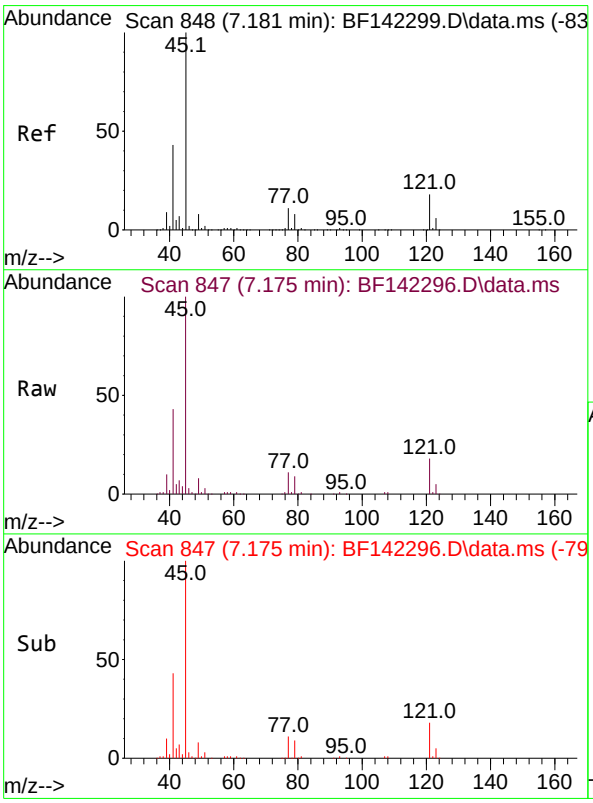
Ion	Ratio	Lower	Upper
79	100		
108	79.3	63.9	95.9
77	62.4	50.7	76.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

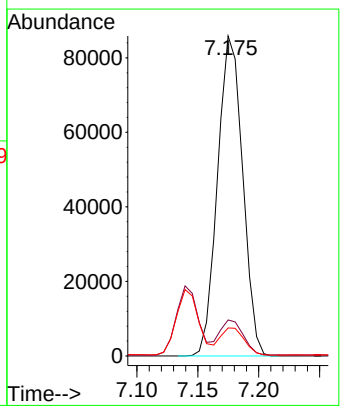
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

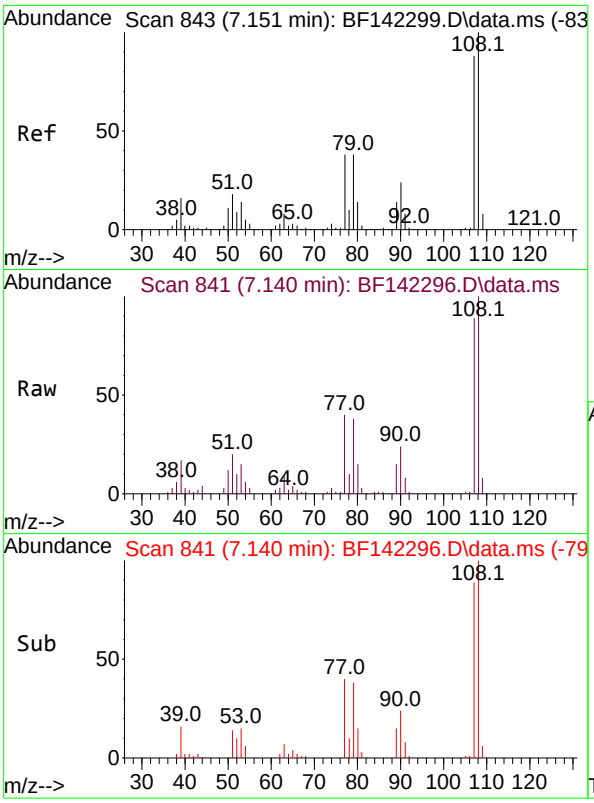


#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.289 ng
RT: 7.175 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion: 45 Resp: 123229

Ion	Ratio	Lower	Upper
45	100		
77	11.3	0.0	31.2
79	8.8	0.0	28.5

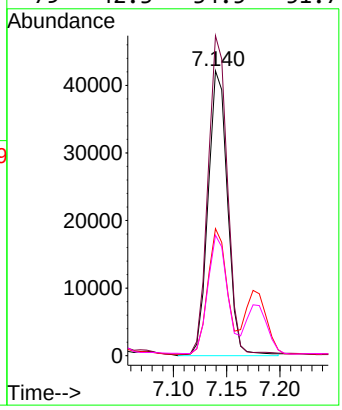




#17
2-Methylphenol
Concen: 5.094 ng
RT: 7.140 min Scan# 84
Delta R.T. -0.012 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:107 Resp: 5348

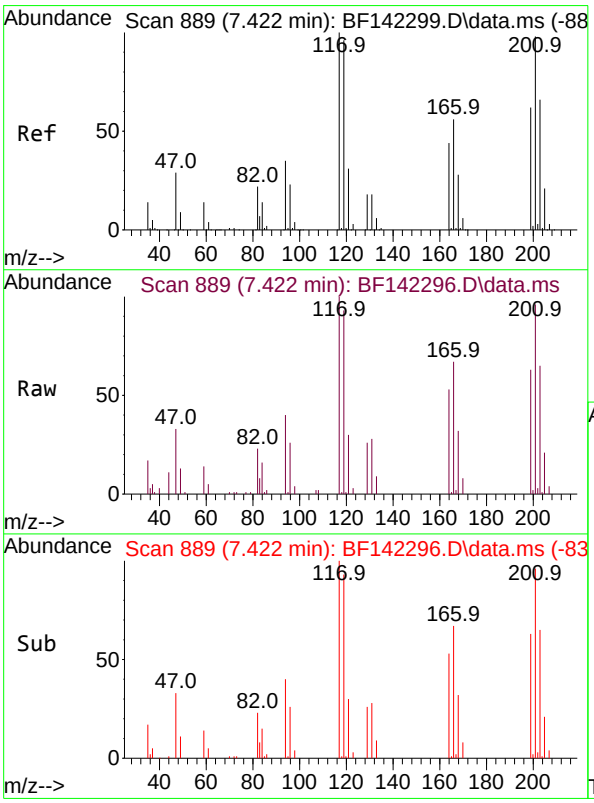
Ion	Ratio	Lower	Upper
107	100		
108	112.3	91.1	136.7
77	44.6	34.7	52.1
79	42.3	34.5	51.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

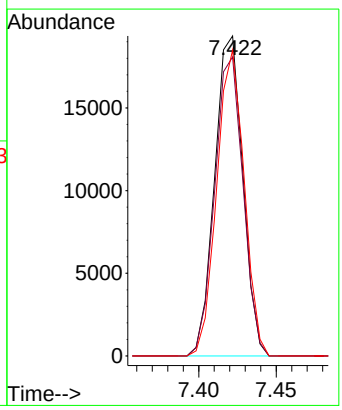
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

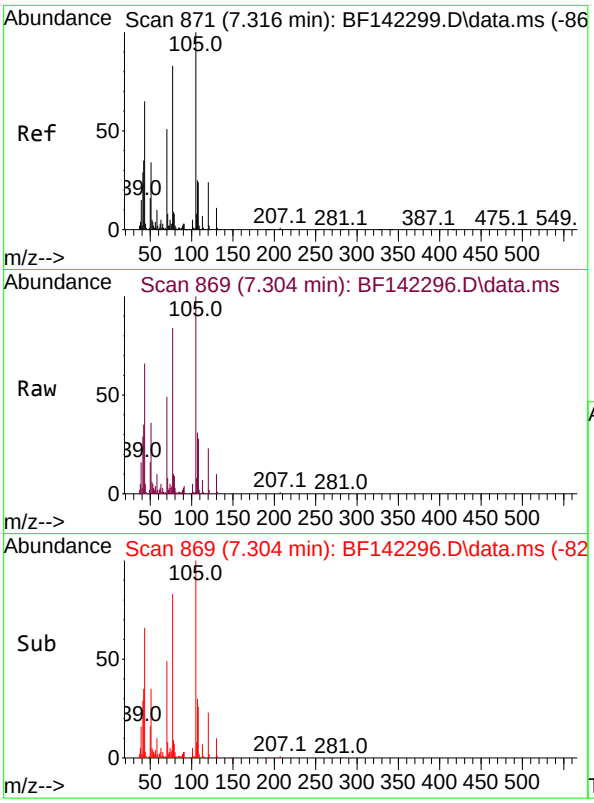


#18
Hexachloroethane
Concen: 4.938 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.000 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:117 Resp: 24476

Ion	Ratio	Lower	Upper
117	100		
119	93.5	76.9	115.3
201	95.6	78.0	117.0

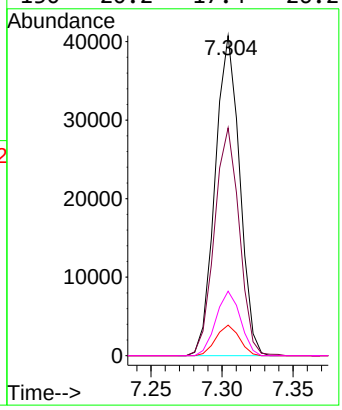




#19
n-Nitroso-di-n-propylamine
Concen: 5.290 ng
RT: 7.304 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion: 70 Resp: 4884

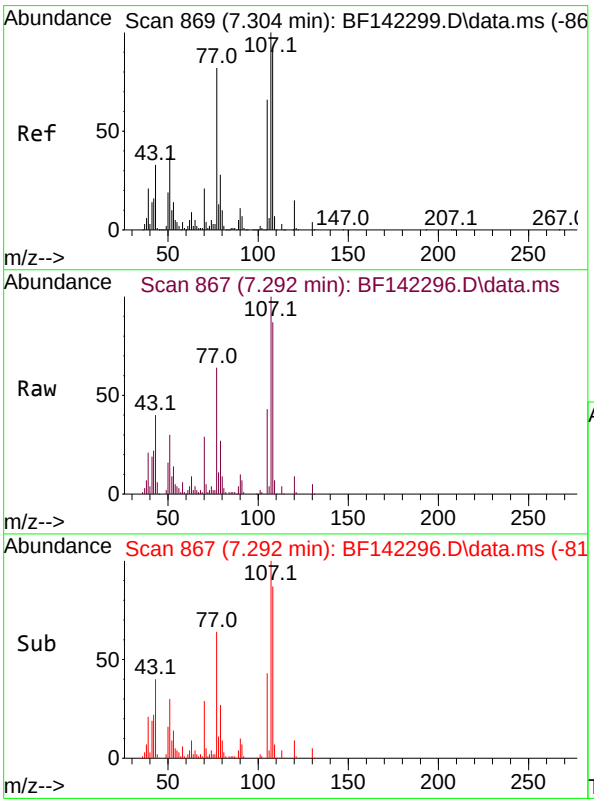
Ion	Ratio	Lower	Upper
70	100		
42	71.2	54.8	82.2
101	9.6	7.7	11.5
130	20.2	17.4	26.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

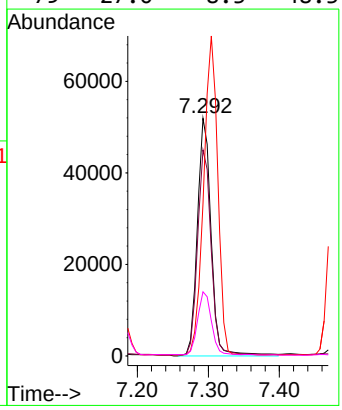
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

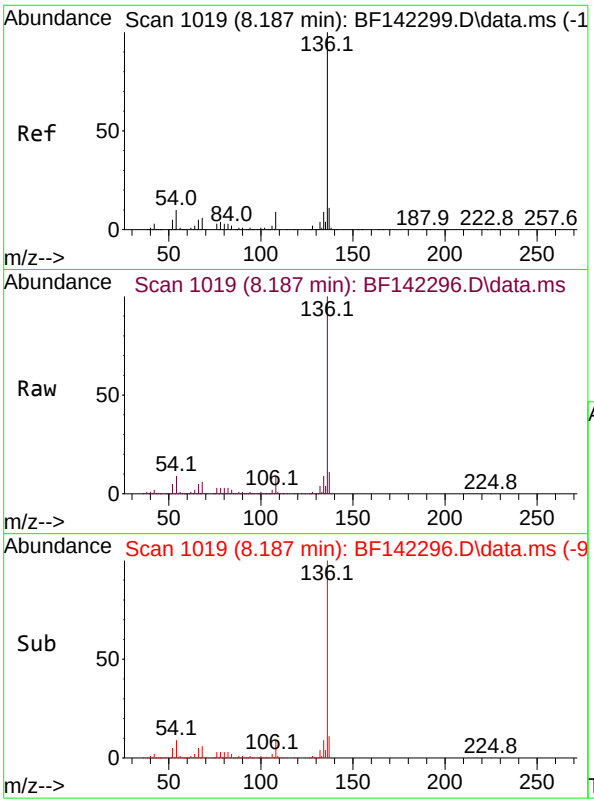


#20
3+4-Methylphenols
Concen: 5.351 ng
RT: 7.292 min Scan# 867
Delta R.T. -0.012 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:107 Resp: 70122

Ion	Ratio	Lower	Upper
107	100		
108	86.7	71.5	111.5
77	64.1	61.6	101.6
79	27.0	8.3	48.3

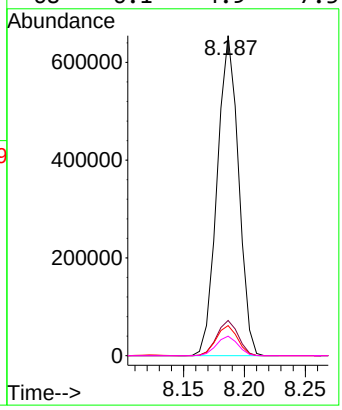




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:136 Resp: 80010

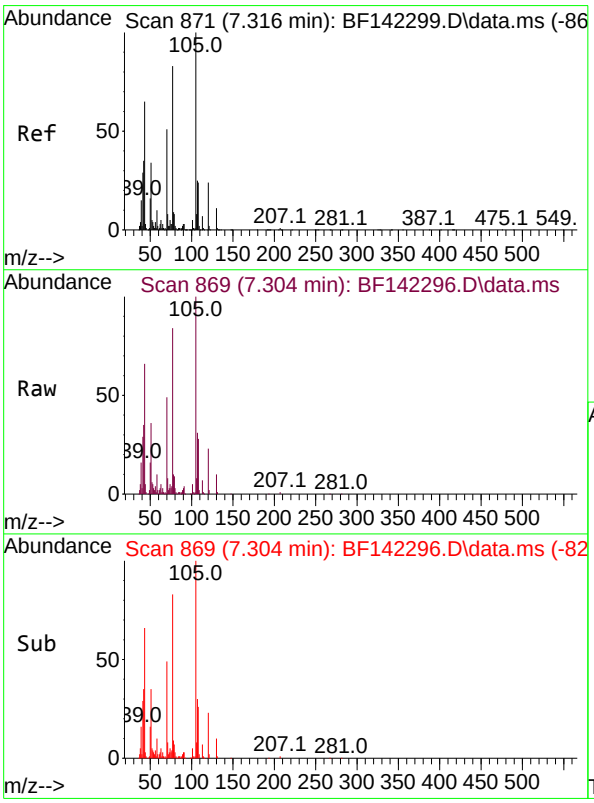
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	9.4	7.7	11.5
68	6.1	4.9	7.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

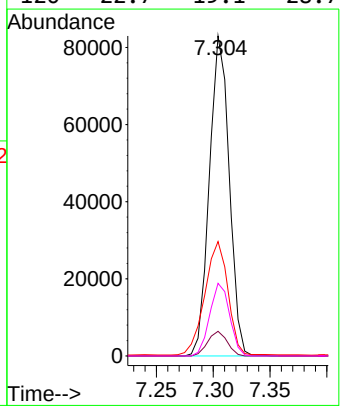
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

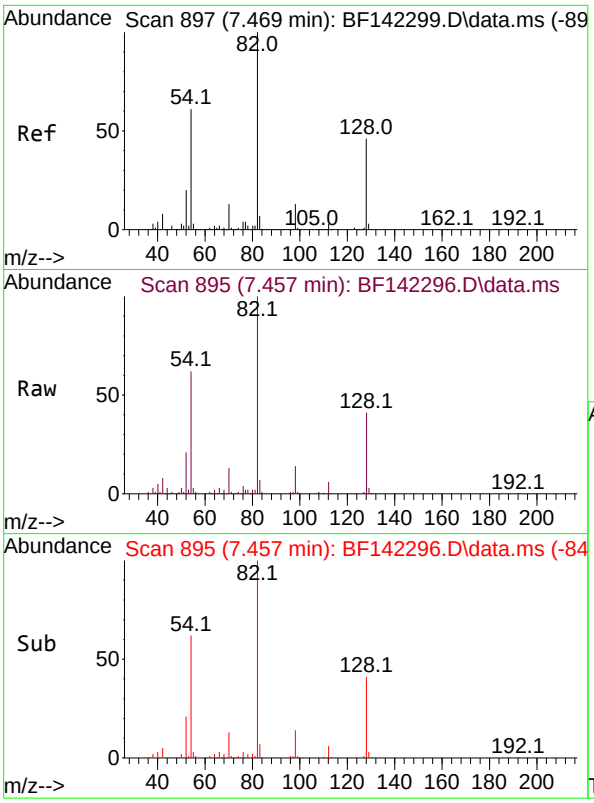


#22
Acetophenone
Concen: 5.677 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:105 Resp: 101001

Ion	Ratio	Lower	Upper
105	100		
71	7.7	6.7	10.1
51	35.8	27.6	41.4
120	22.7	19.1	28.7





#23
Nitrobenzene-d5
Concen: 8.807 ng
RT: 7.457 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

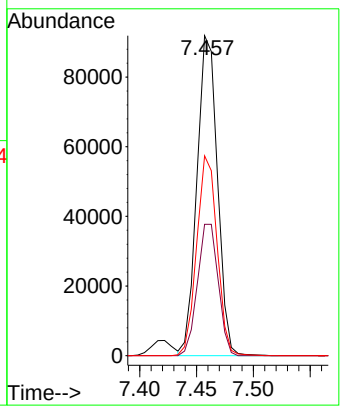
Tgt Ion: 82 Resp: 11554

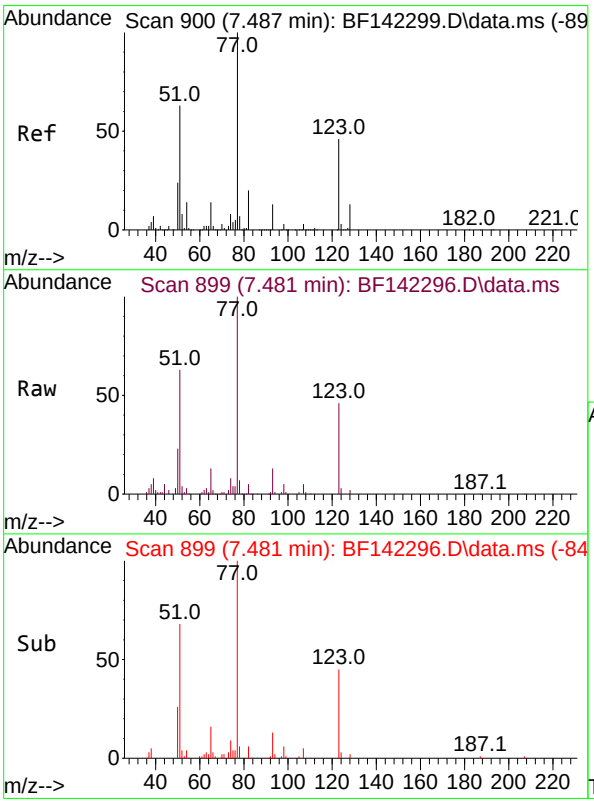
Ion	Ratio	Lower	Upper
82	100		
128	41.1	37.0	55.6
54	62.5	48.6	73.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

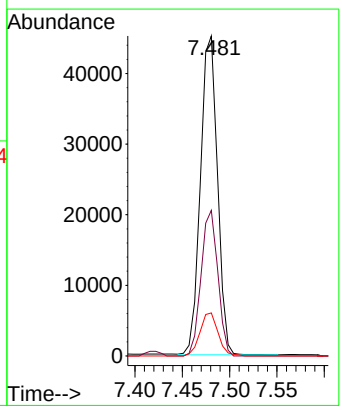


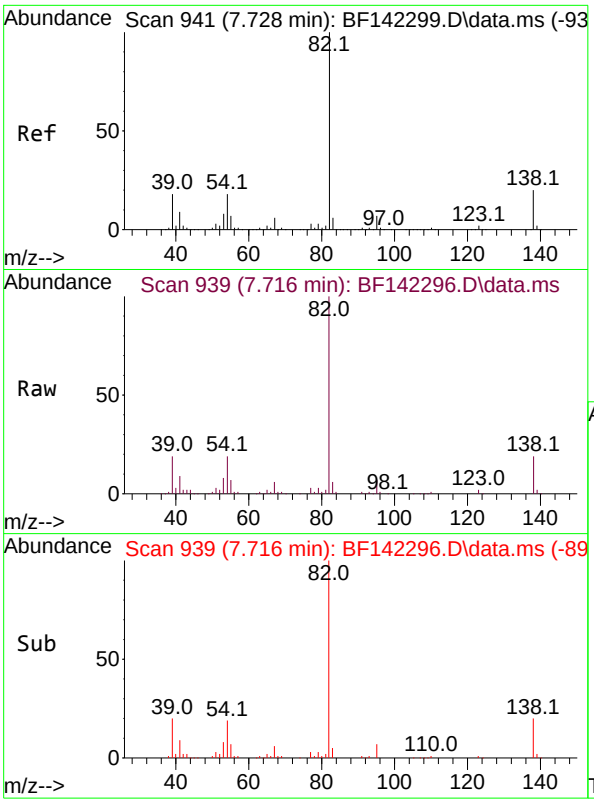


#24
Nitrobenzene
Concen: 4.551 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion: 77 Resp: 56276

Ion	Ratio	Lower	Upper
77	100		
123	45.5	37.8	56.8
65	13.4	11.4	17.0

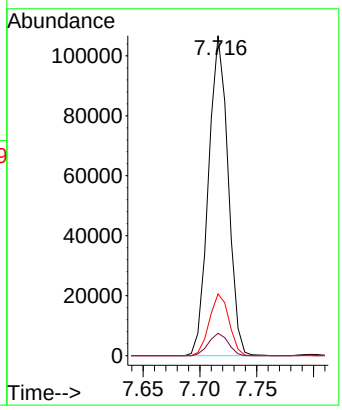




#25
Isophorone
Concen: 5.145 ng
RT: 7.716 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion: 82 Resp: 12781

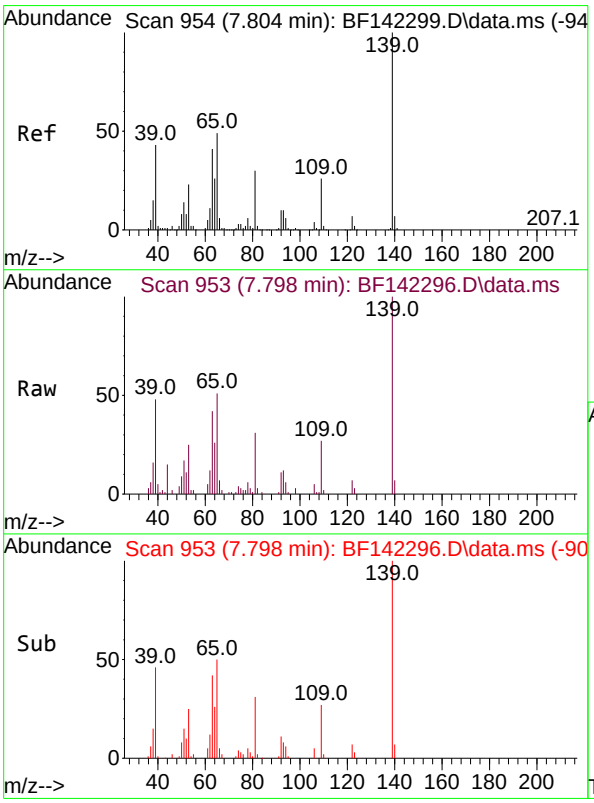
Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.8	8.8
138	19.3	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

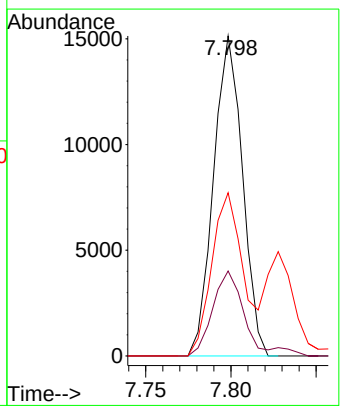
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

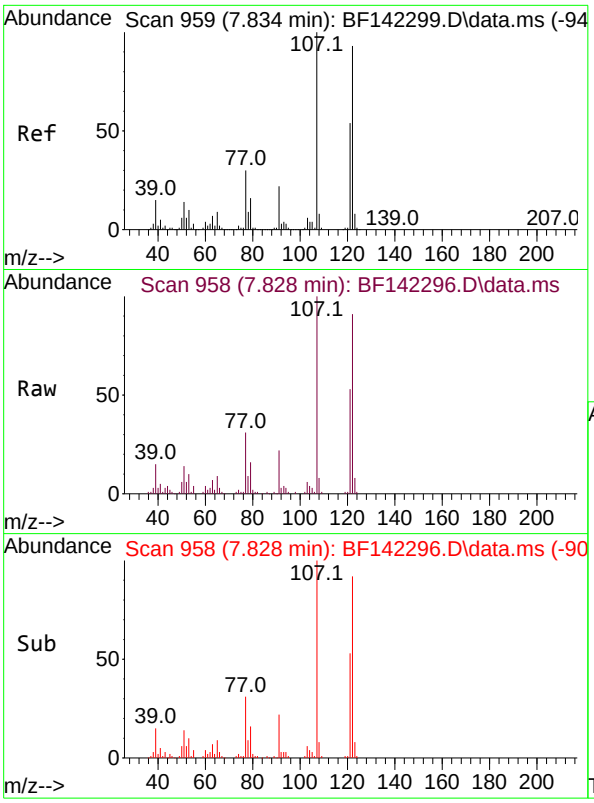


#26
2-Nitrophenol
Concen: 6.828 ng
RT: 7.798 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:139 Resp: 17854

Ion	Ratio	Lower	Upper
139	100		
109	26.5	20.8	31.2
65	51.0	38.9	58.3

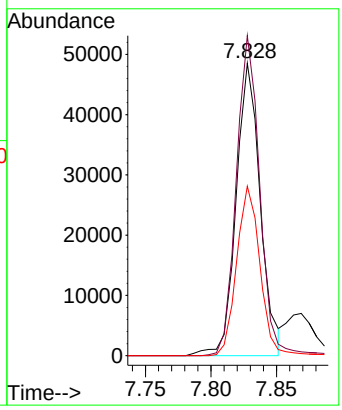




#27
2,4-Dimethylphenol
Concen: 4.981 ng
RT: 7.828 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:122 Resp: 6221

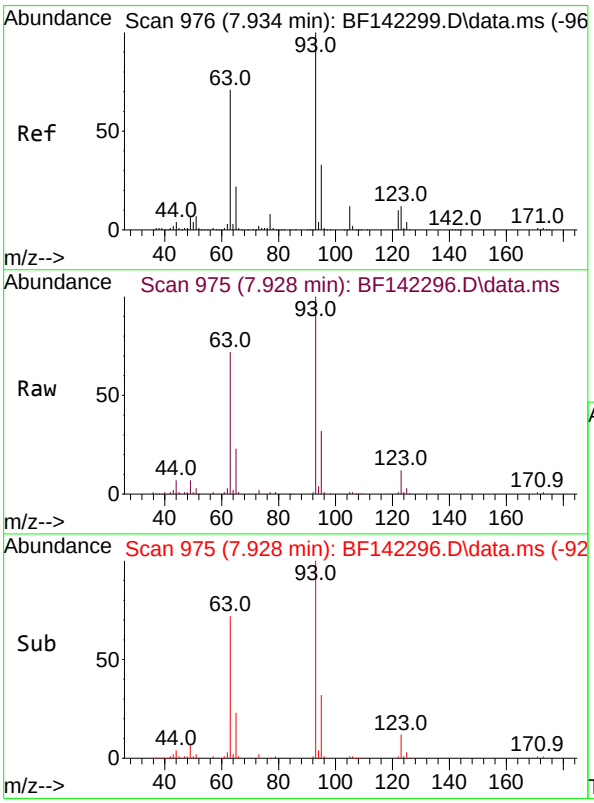
Ion	Ratio	Lower	Upper
122	100		
107	109.4	86.0	129.0
121	57.9	46.2	69.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

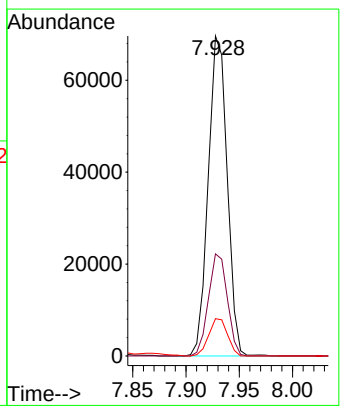
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

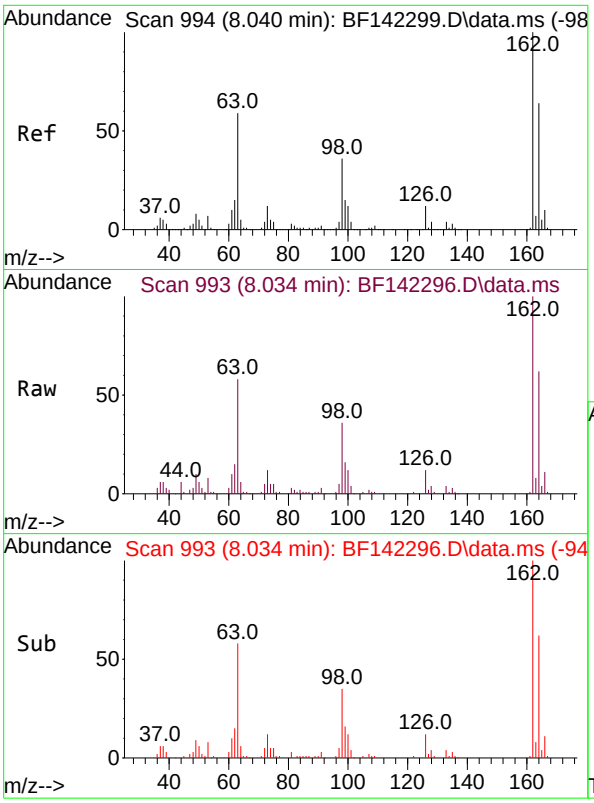


#28
bis(2-Chloroethoxy)methane
Concen: 5.385 ng
RT: 7.928 min Scan# 975
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion: 93 Resp: 86020

Ion	Ratio	Lower	Upper
93	100		
95	31.9	26.1	39.1
123	11.7	10.2	15.4

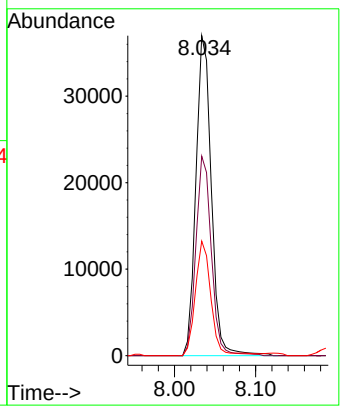




#29
2,4-Dichlorophenol
Concen: 4.615 ng
RT: 8.034 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:162 Resp: 4900

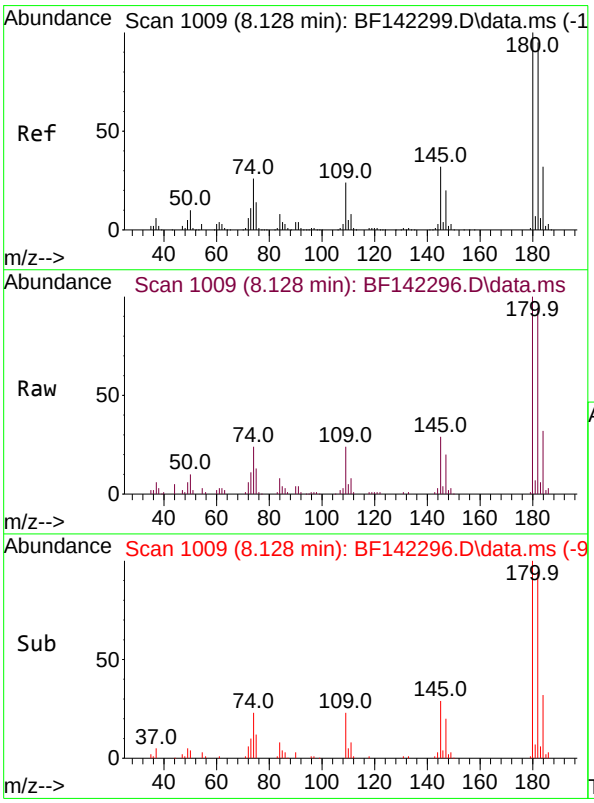
Ion	Ratio	Lower	Upper
162	100		
164	62.4	43.6	83.6
98	35.8	16.5	56.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

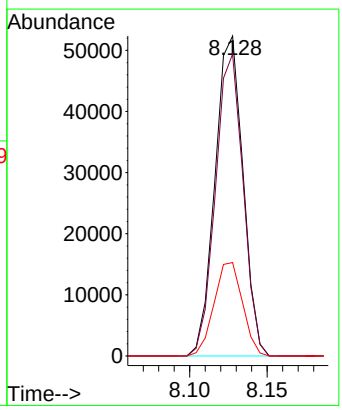
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

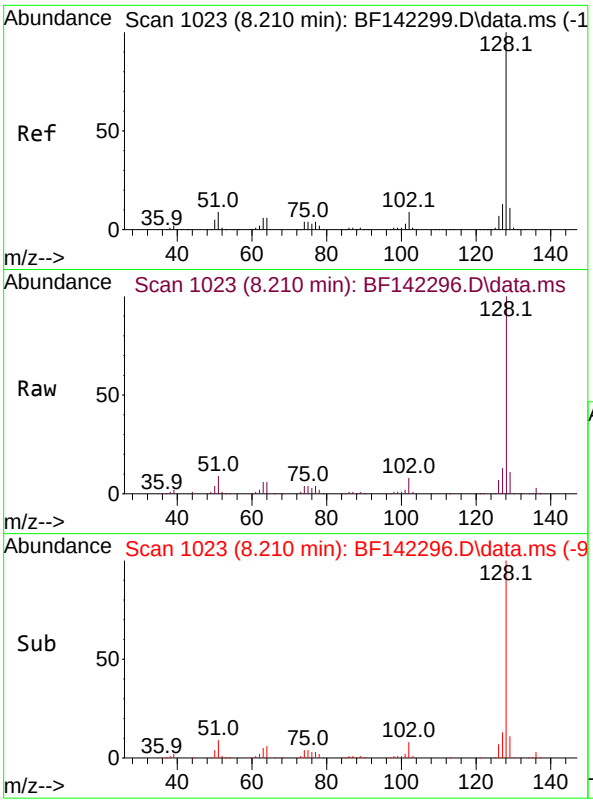


#30
1,2,4-Trichlorobenzene
Concen: 5.501 ng
RT: 8.128 min Scan# 1009
Delta R.T. -0.000 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:180 Resp: 65738

Ion	Ratio	Lower	Upper
180	100		
182	94.3	76.2	114.4
145	29.2	25.8	38.6

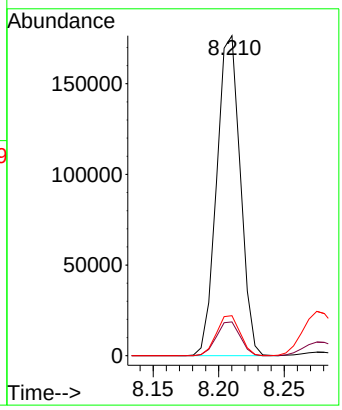




#31
Naphthalene
Concen: 5.684 ng
RT: 8.210 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:128 Resp: 22040

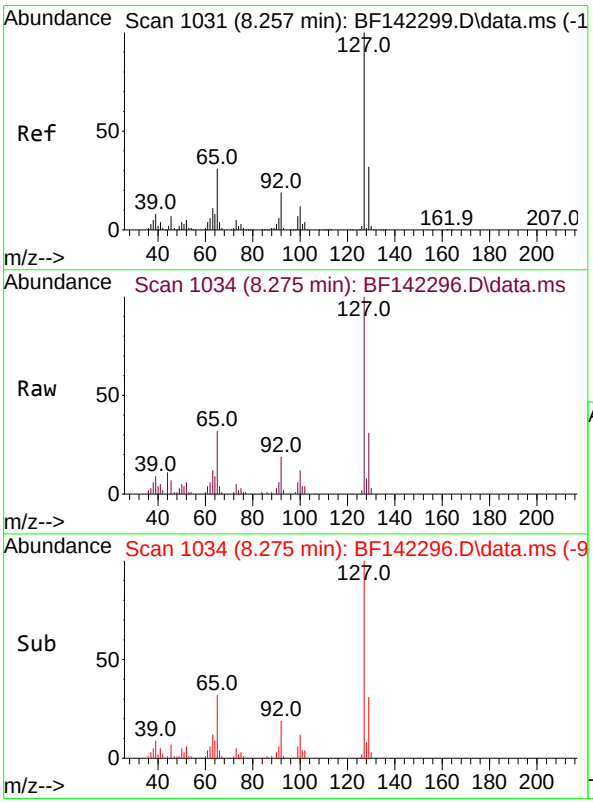
Ion	Ratio	Lower	Upper
128	100		
129	10.6	9.1	13.7
127	12.5	10.5	15.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

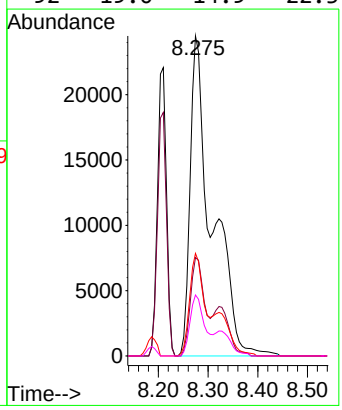
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

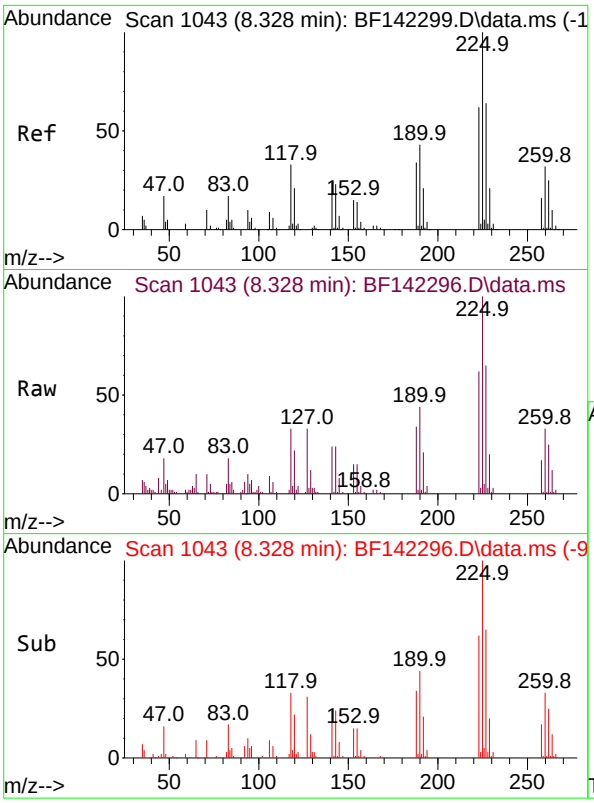


#33
4-Chloroaniline
Concen: 4.723 ng m
RT: 8.275 min Scan# 1034
Delta R.T. 0.018 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:127 Resp: 74603

Ion	Ratio	Lower	Upper
127	100		
129	30.8	25.7	38.5
65	32.1	24.9	37.3
92	19.0	14.9	22.3

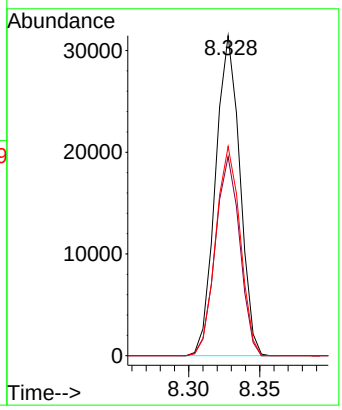




#34
Hexachlorobutadiene
Concen: 5.302 ng
RT: 8.328 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:225 Resp: 3752

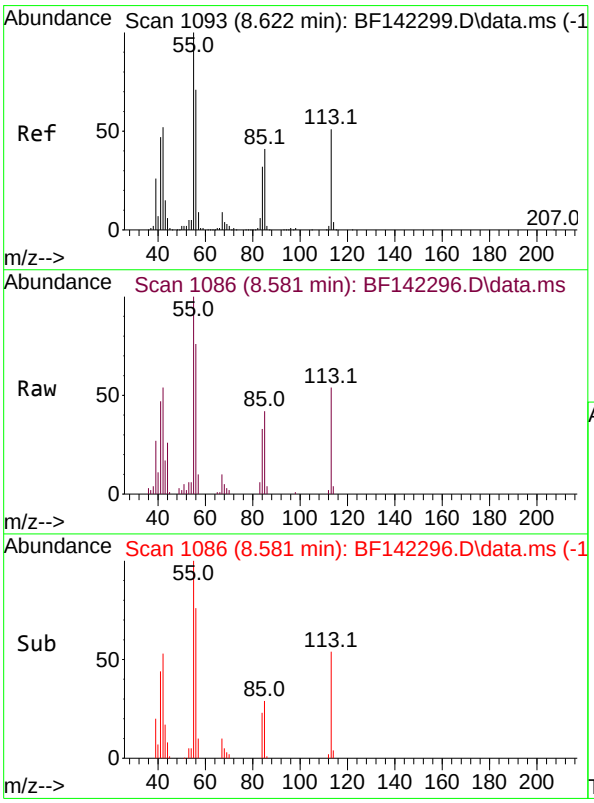
Ion	Ratio	Lower	Upper
225	100		
223	62.2	49.8	74.6
227	65.4	50.9	76.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

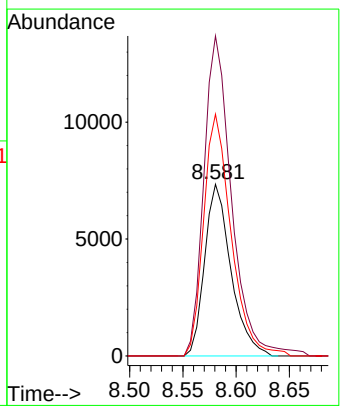
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

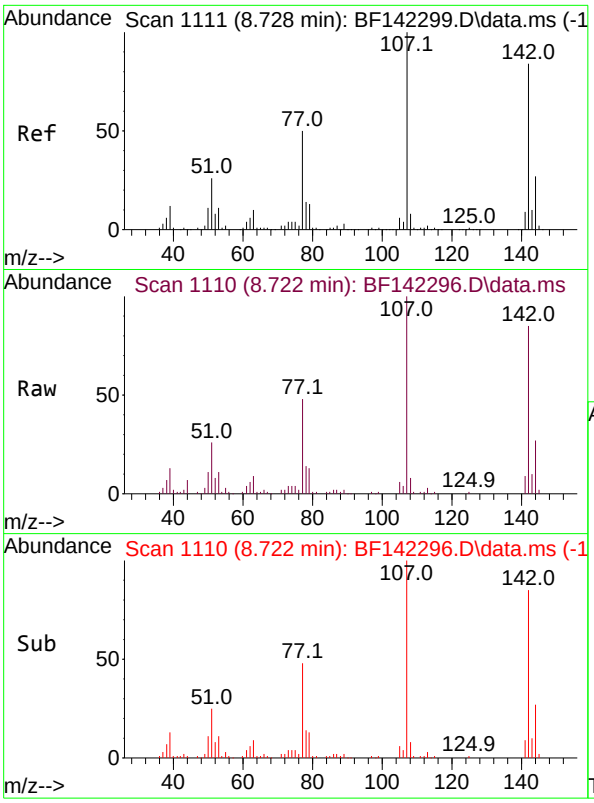


#35
Caprolactam
Concen: 4.085 ng
RT: 8.581 min Scan# 1086
Delta R.T. -0.041 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:113 Resp: 12615

Ion	Ratio	Lower	Upper
113	100		
55	186.4	176.4	216.4
56	140.8	120.3	160.3

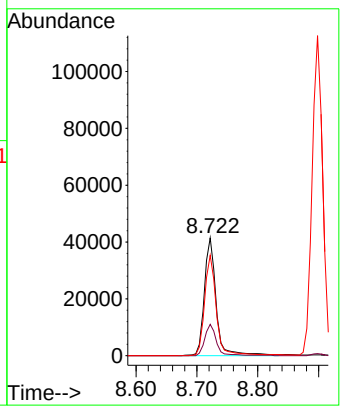




#36
4-Chloro-3-methylphenol
Concen: 5.083 ng
RT: 8.722 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:107 Resp: 5611

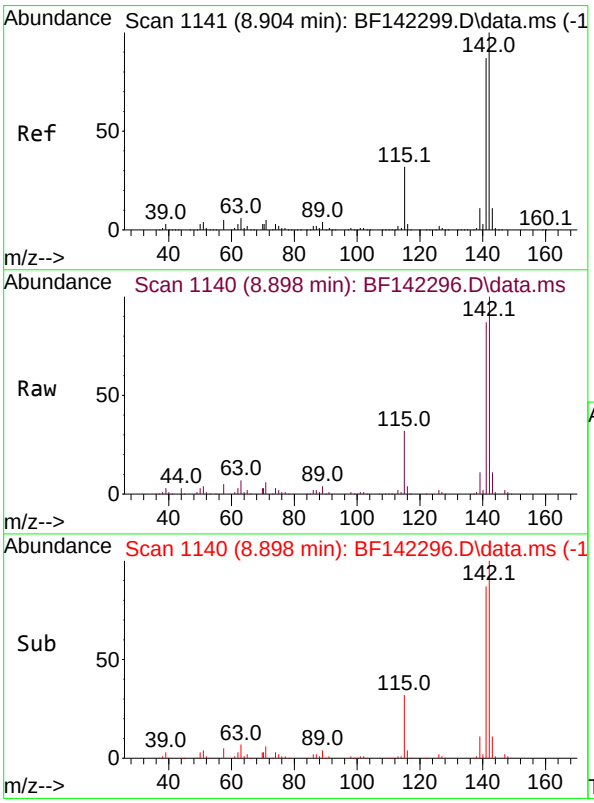
Ion	Ratio	Lower	Upper
107	100		
144	26.7	21.3	31.9
142	85.1	66.9	100.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

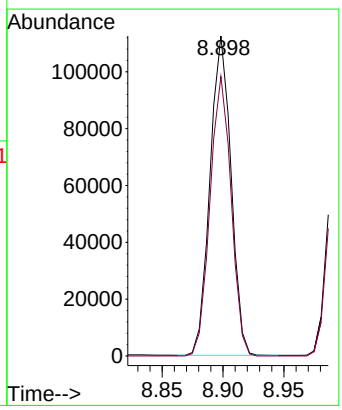
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

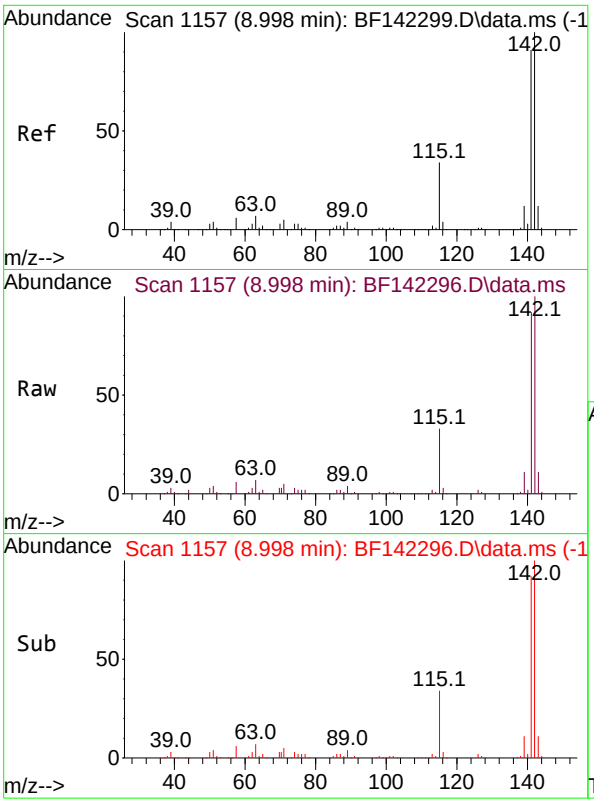


#37
2-Methylnaphthalene
Concen: 5.576 ng
RT: 8.898 min Scan# 1140
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:142 Resp: 134367

Ion	Ratio	Lower	Upper
142	100		
141	87.3	69.4	104.2

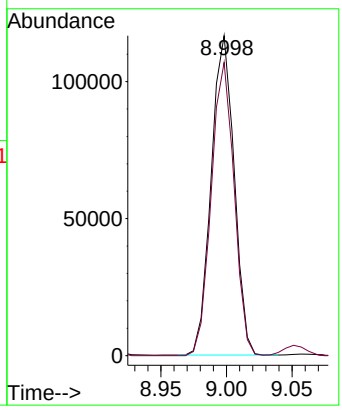




#38
1-Methylnaphthalene
Concen: 5.652 ng
RT: 8.998 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:142 Resp: 14195

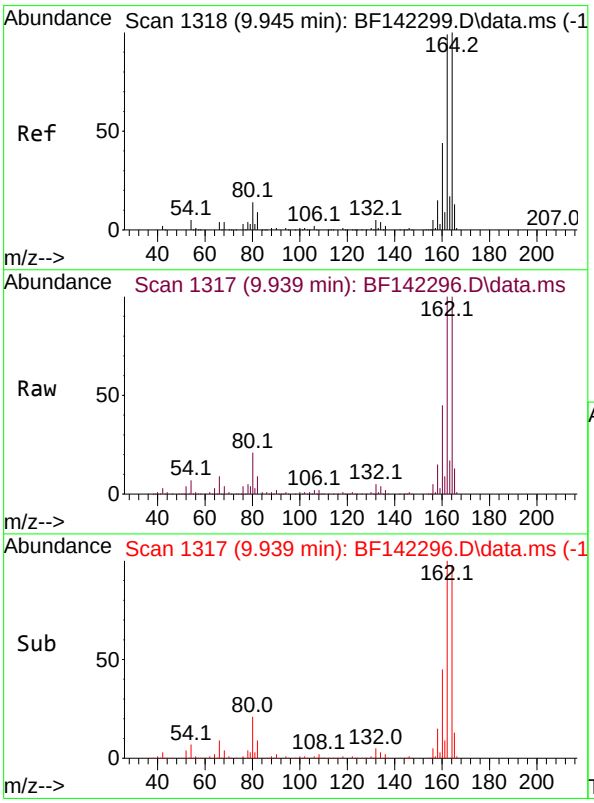
Ion	Ratio	Lower	Upper
142	100		
141	91.6	72.5	108.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

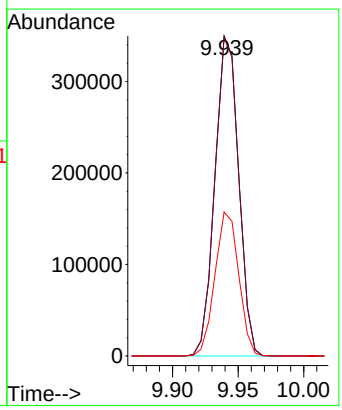
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

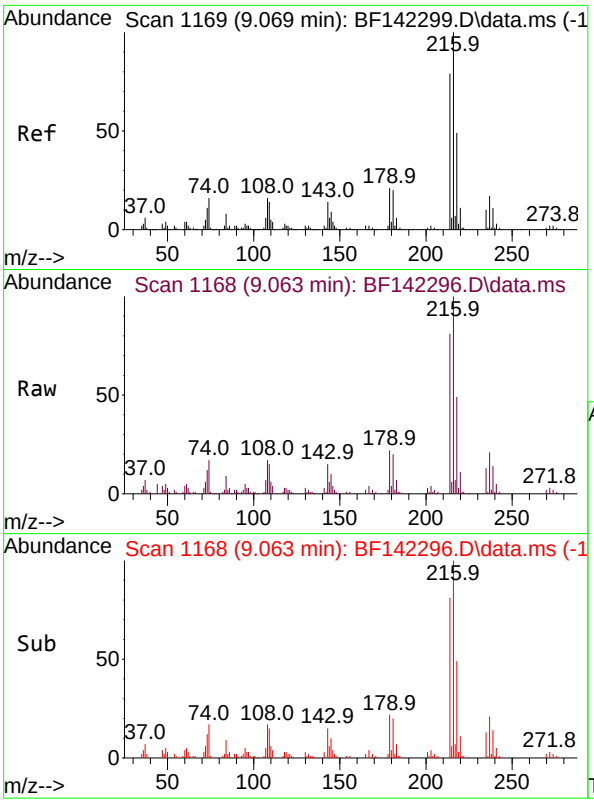


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:164 Resp: 439288

Ion	Ratio	Lower	Upper
164	100		
162	99.6	79.2	118.8
160	45.0	35.3	52.9

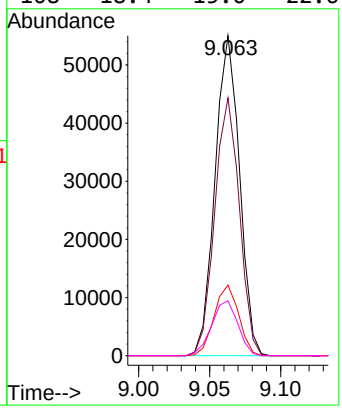




#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.370 ng
RT: 9.063 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:216 Resp: 6589

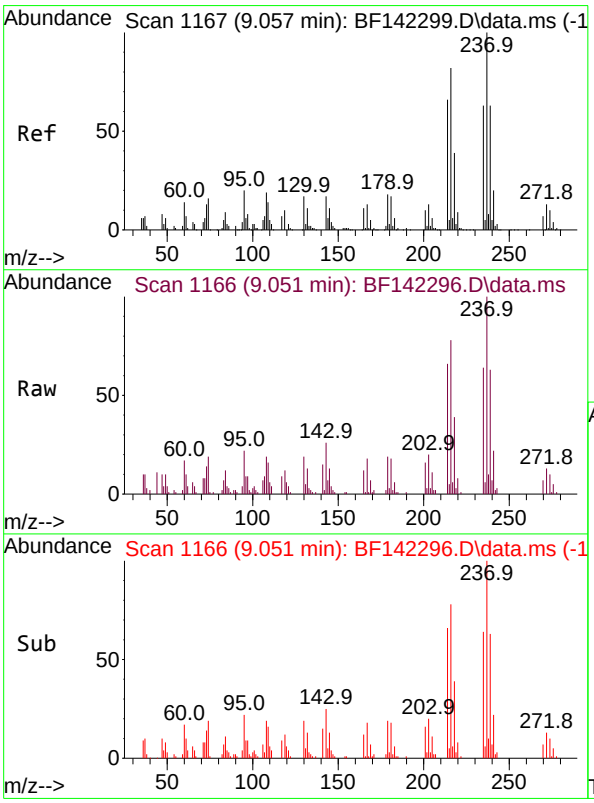
Ion	Ratio	Lower	Upper
216	100		
214	81.0	63.8	95.6
179	22.1	17.0	25.6
108	18.4	15.0	22.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

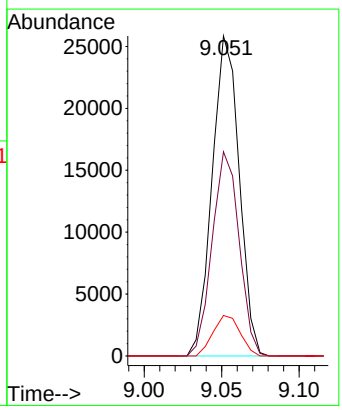
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

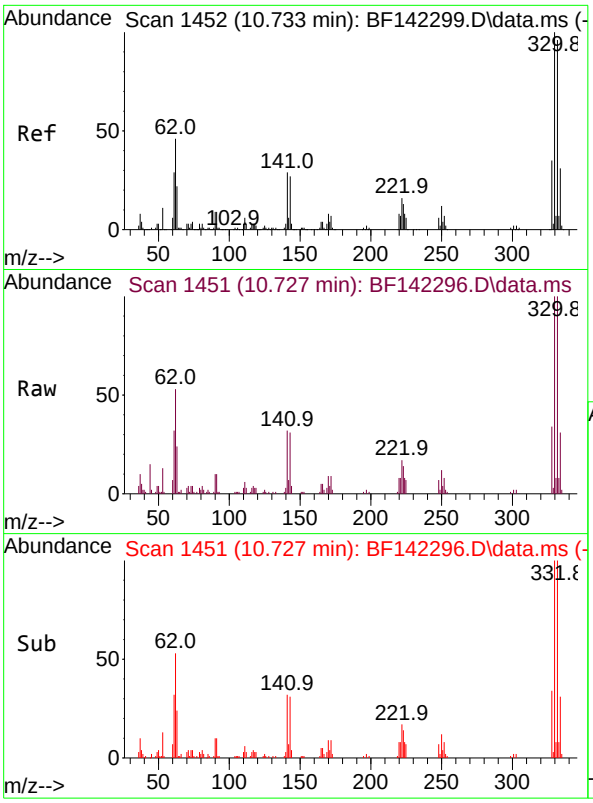


#41
Hexachlorocyclopentadiene
Concen: 4.140 ng
RT: 9.051 min Scan# 1166
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:237 Resp: 31389

Ion	Ratio	Lower	Upper
237	100		
235	63.8	42.8	82.8
272	12.7	0.0	33.0

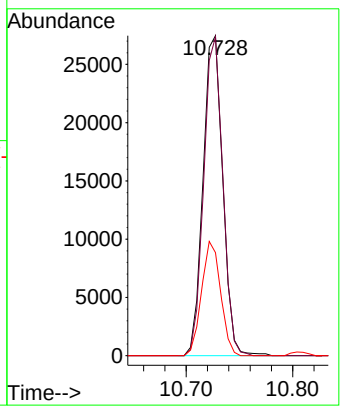




#42
2,4,6-Tribromophenol
Concen: 8.322 ng
RT: 10.727 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:330 Resp: 3529

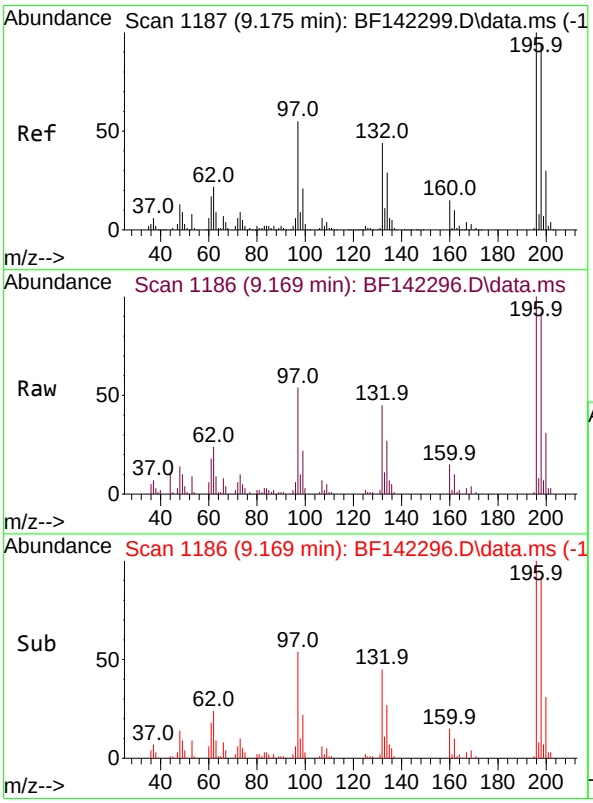
Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.8	115.2
141	34.6	24.9	37.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

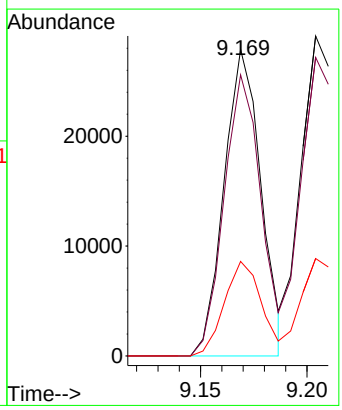
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

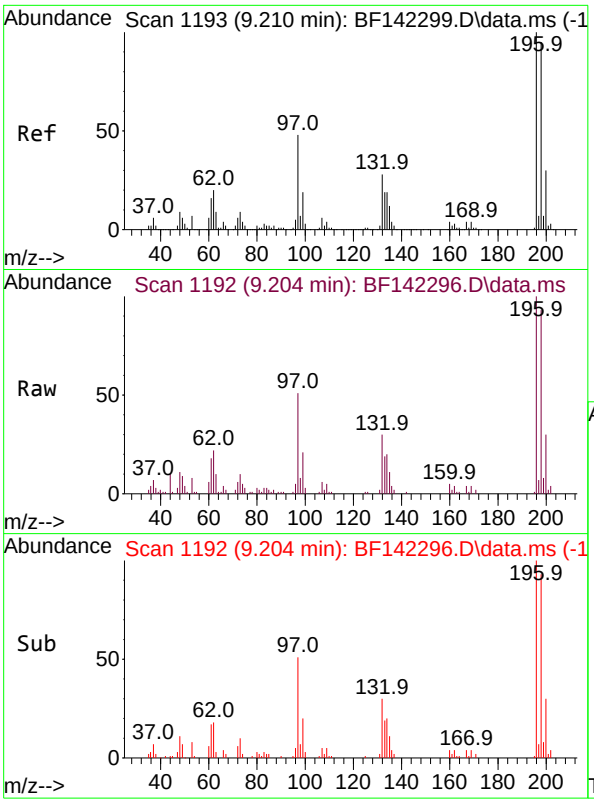


#43
2,4,6-Trichlorophenol
Concen: 4.346 ng
RT: 9.169 min Scan# 1186
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:196 Resp: 33630

Ion	Ratio	Lower	Upper
196	100		
198	91.7	75.4	113.0
200	30.8	24.3	36.5

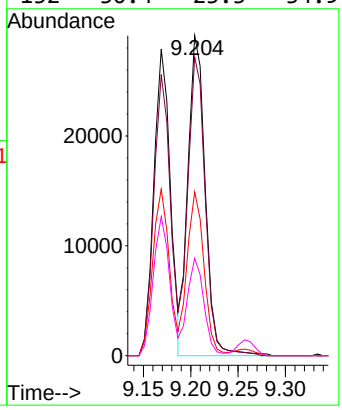




#44
2,4,5-Trichlorophenol
Concen: 4.522 ng
RT: 9.204 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:196 Resp: 3723

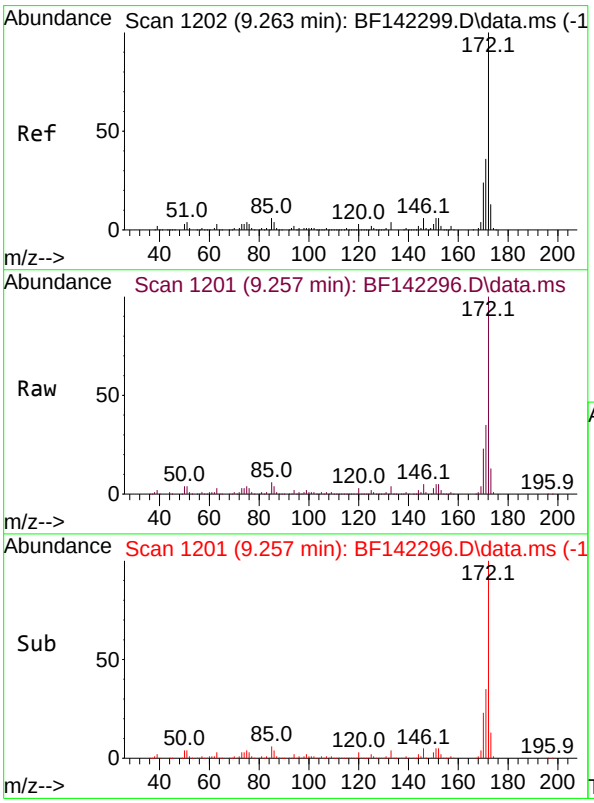
Ion	Ratio	Lower	Upper
196	100		
198	93.3	76.1	114.1
97	51.2	39.0	58.4
132	30.4	23.3	34.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

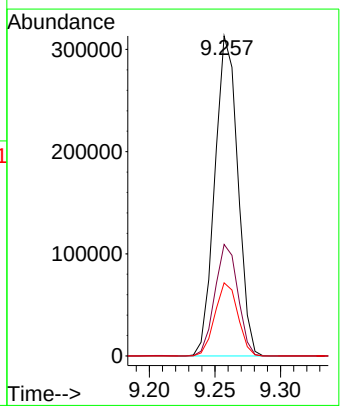
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

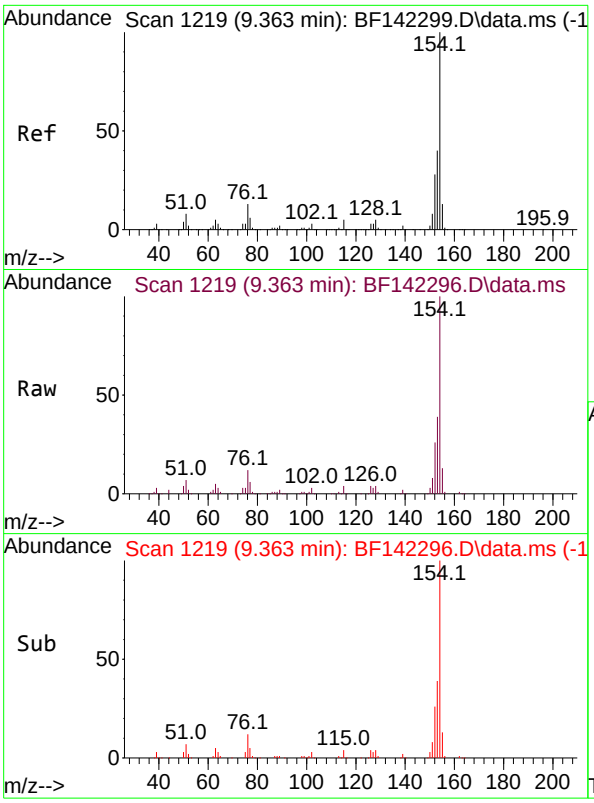


#45
2-Fluorobiphenyl
Concen: 12.383 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:172 Resp: 381508

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.6	42.8
170	22.8	19.0	28.4

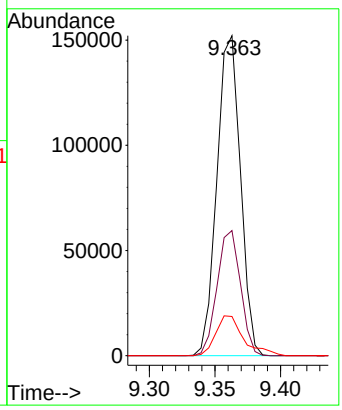




#46
1,1'-Biphenyl
Concen: 5.631 ng
RT: 9.363 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:154 Resp: 18966

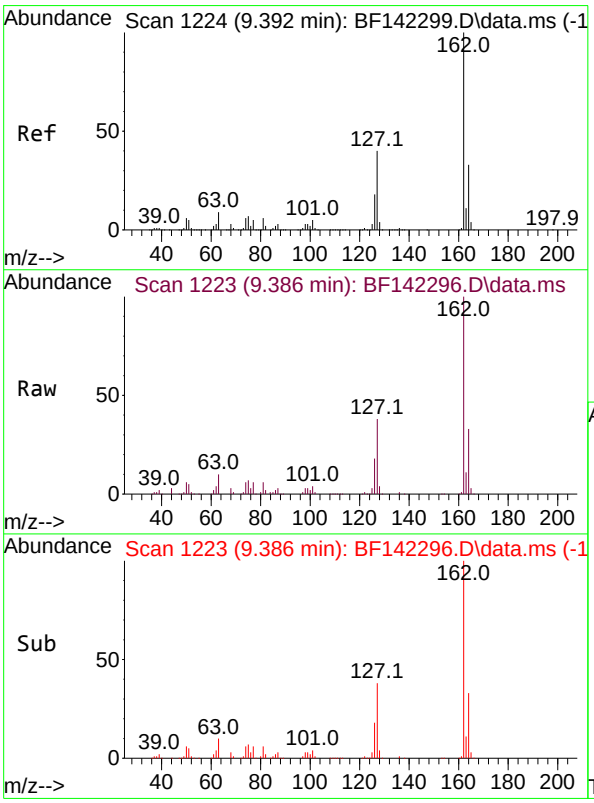
Ion	Ratio	Lower	Upper
154	100		
153	39.1	20.5	60.5
76	12.3	0.0	32.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

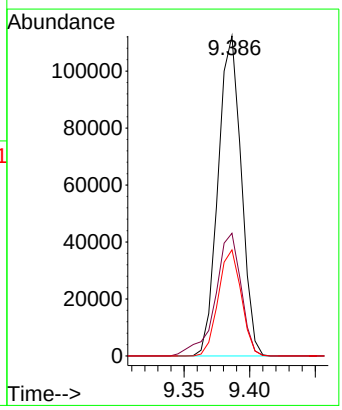
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

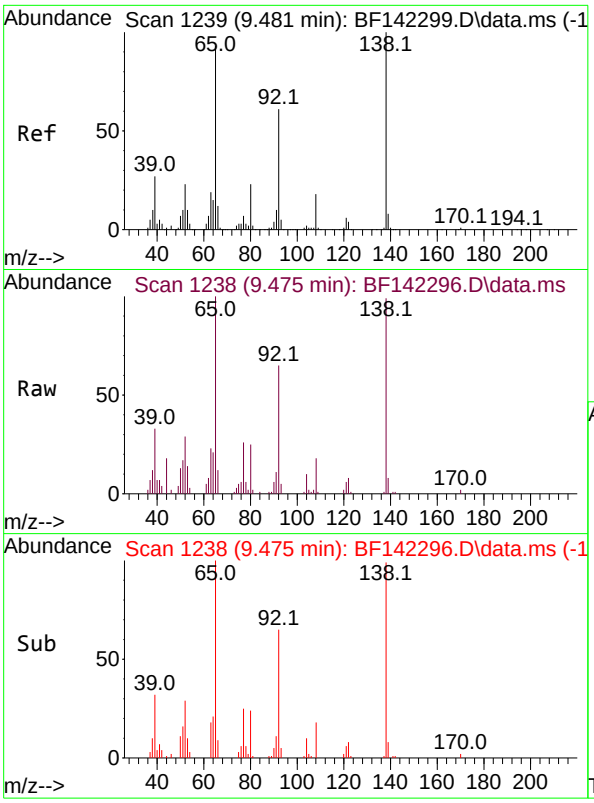


#47
2-Chloronaphthalene
Concen: 5.506 ng
RT: 9.386 min Scan# 1223
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:162 Resp: 137929

Ion	Ratio	Lower	Upper
162	100		
127	38.4	32.3	48.5
164	33.2	26.6	40.0

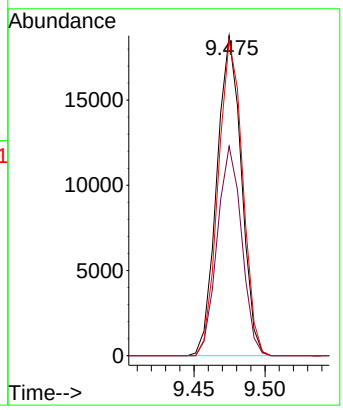




#48
2-Nitroaniline
Concen: 3.510 ng
RT: 9.475 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion: 65 Resp: 2253

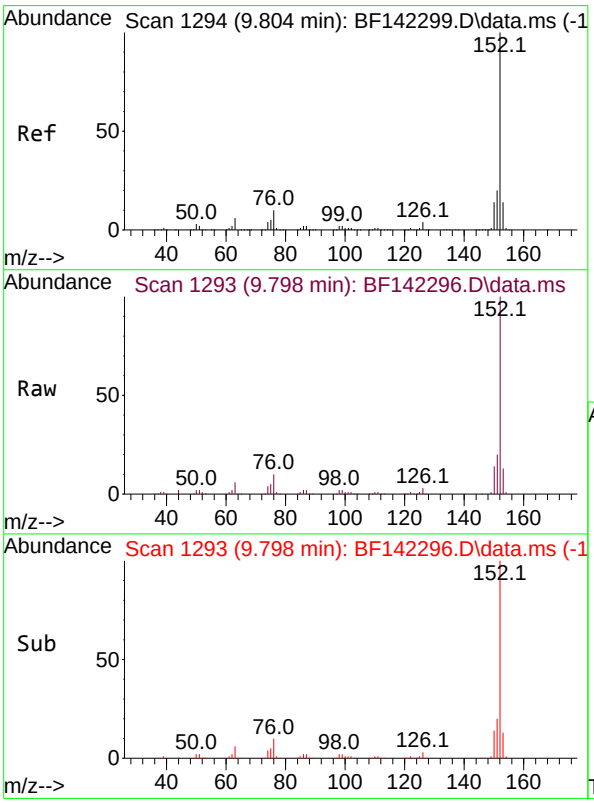
Ion	Ratio	Lower	Upper
65	100		
92	65.5	52.3	78.5
138	98.7	85.6	128.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

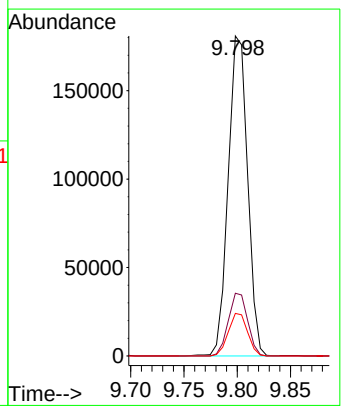
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

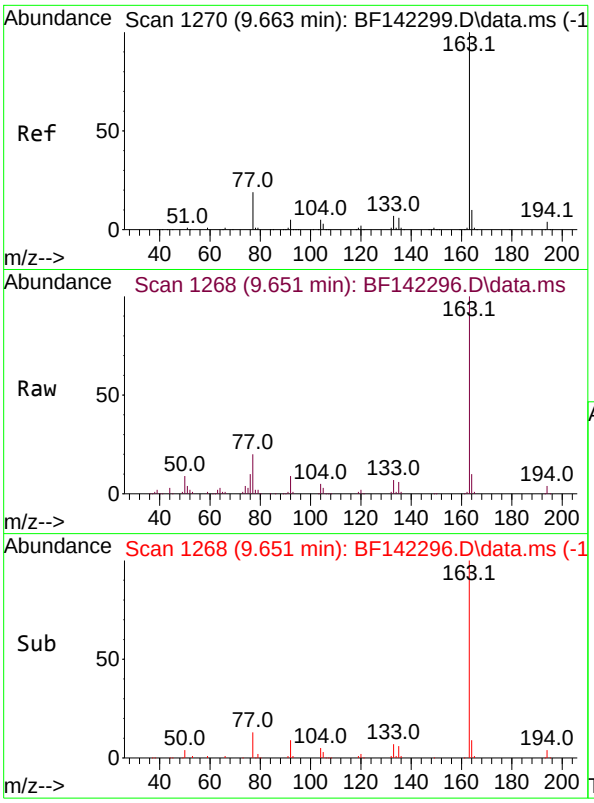


#49
Acenaphthylene
Concen: 5.460 ng
RT: 9.798 min Scan# 1293
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:152 Resp: 228773

Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.0	24.0
153	13.3	10.8	16.2

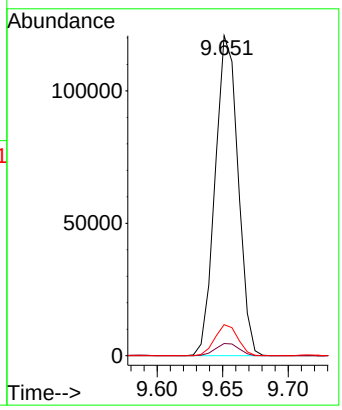




#50
Dimethylphthalate
Concen: 5.208 ng
RT: 9.651 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:163 Resp: 14691

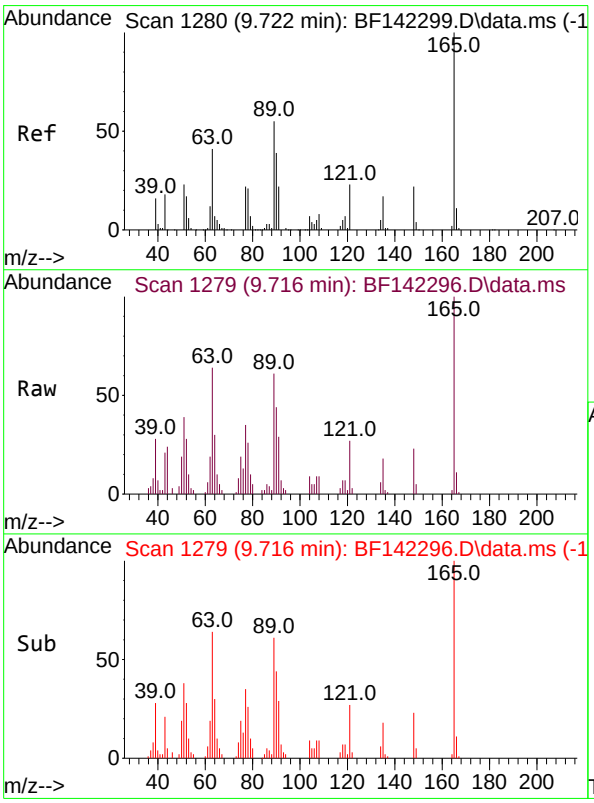
Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.2	4.8
164	9.7	8.3	12.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

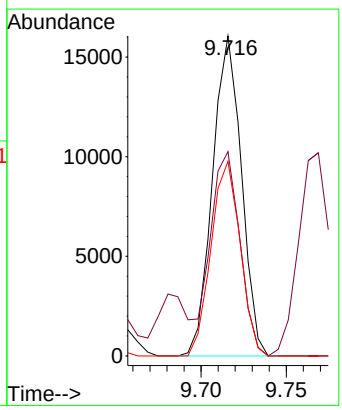
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

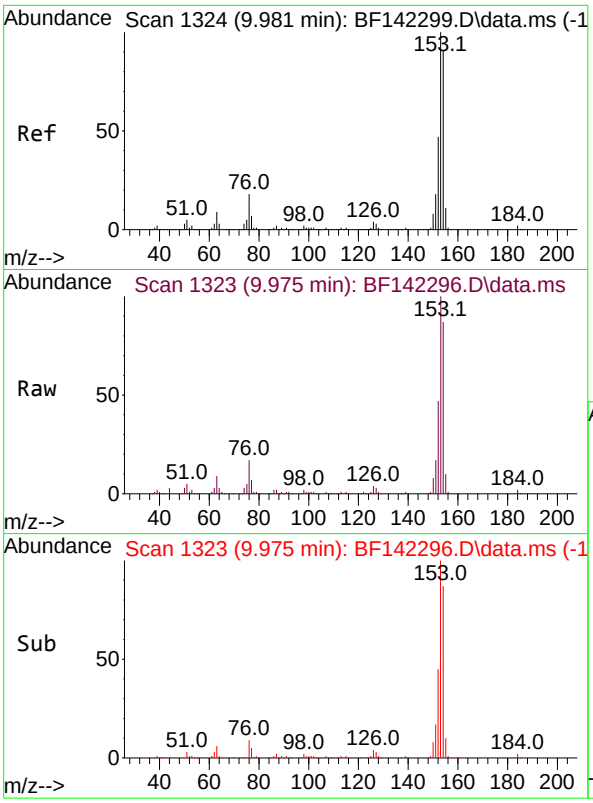


#51
2,6-Dinitrotoluene
Concen: 3.586 ng
RT: 9.716 min Scan# 1279
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:165 Resp: 18933

Ion	Ratio	Lower	Upper
165	100		
63	63.8	49.5	74.3
89	60.8	44.6	66.8

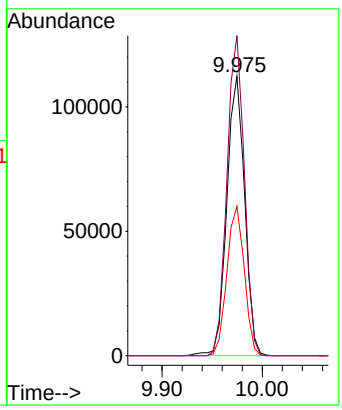




#52
Acenaphthene
Concen: 5.492 ng
RT: 9.975 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:154 Resp: 13837

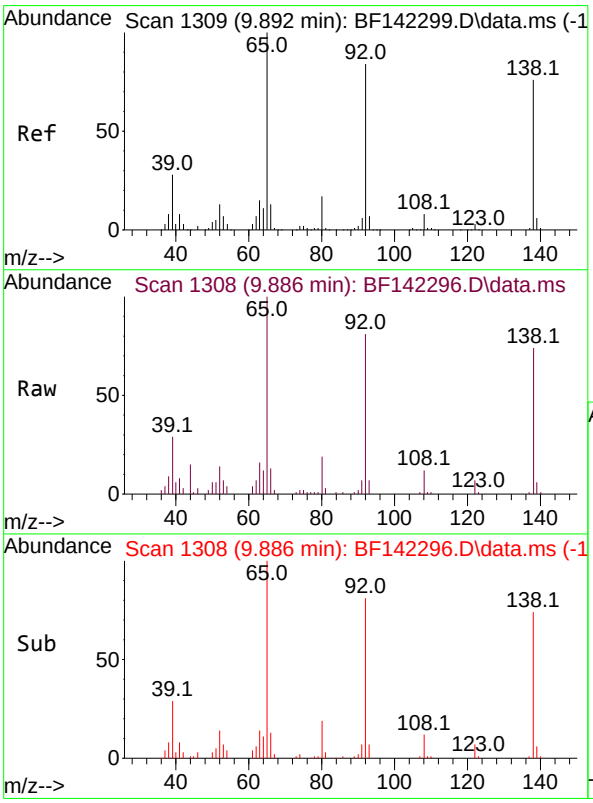
Ion	Ratio	Lower	Upper
154	100		
153	114.7	88.0	132.0
152	53.5	41.6	62.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

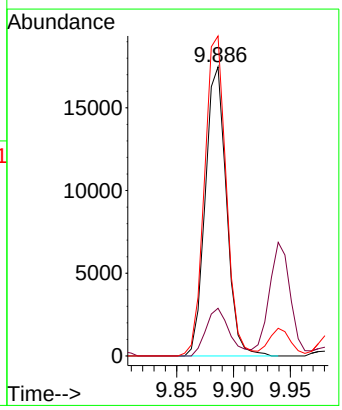
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

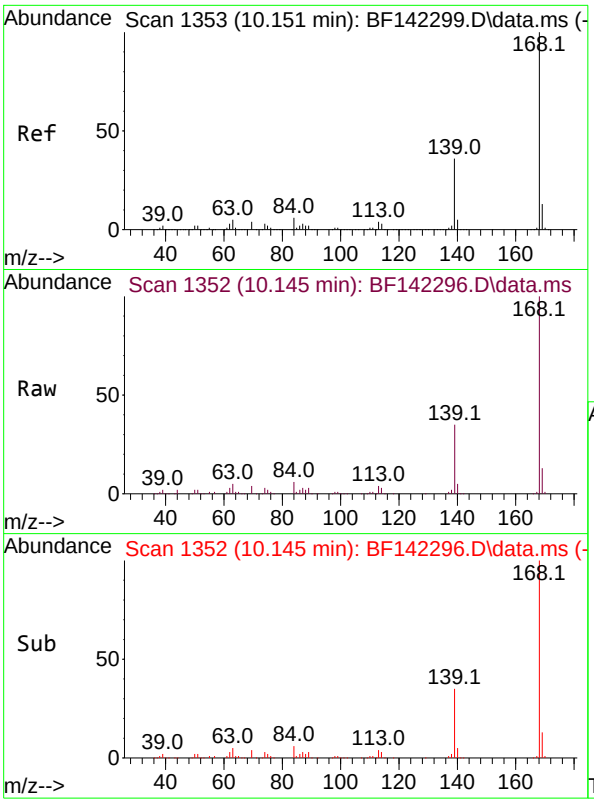


#53
3-Nitroaniline
Concen: 3.659 ng
RT: 9.886 min Scan# 1308
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:138 Resp: 22656

Ion	Ratio	Lower	Upper
138	100		
108	16.5	8.7	13.1#
92	110.7	89.5	134.3

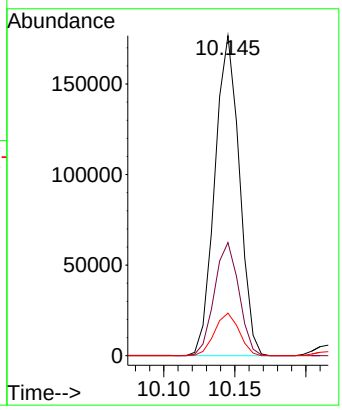




#55
Dibenzofuran
Concen: 5.706 ng
RT: 10.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:168 Resp: 21219

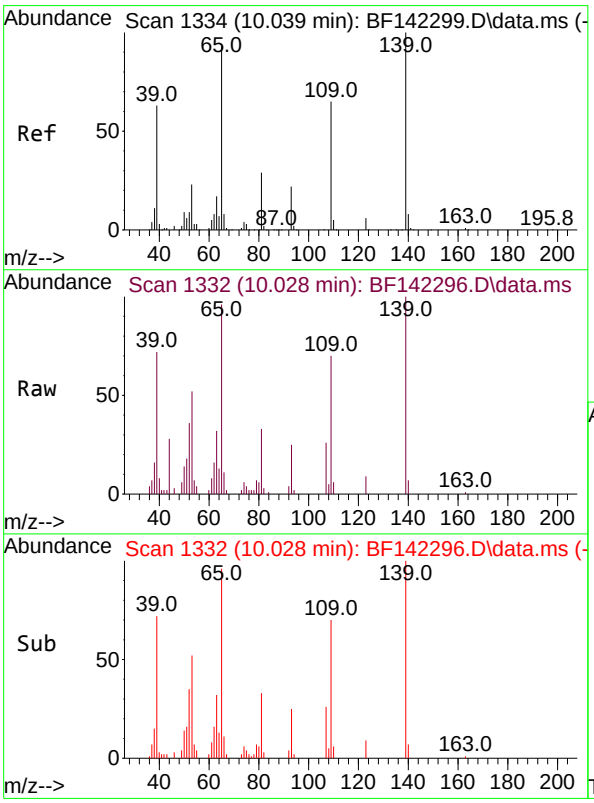
Ion	Ratio	Lower	Upper
168	100		
139	35.3	29.0	43.4
169	13.3	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

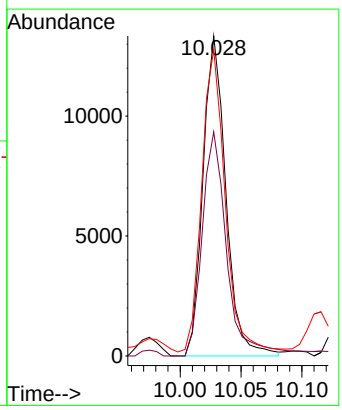
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

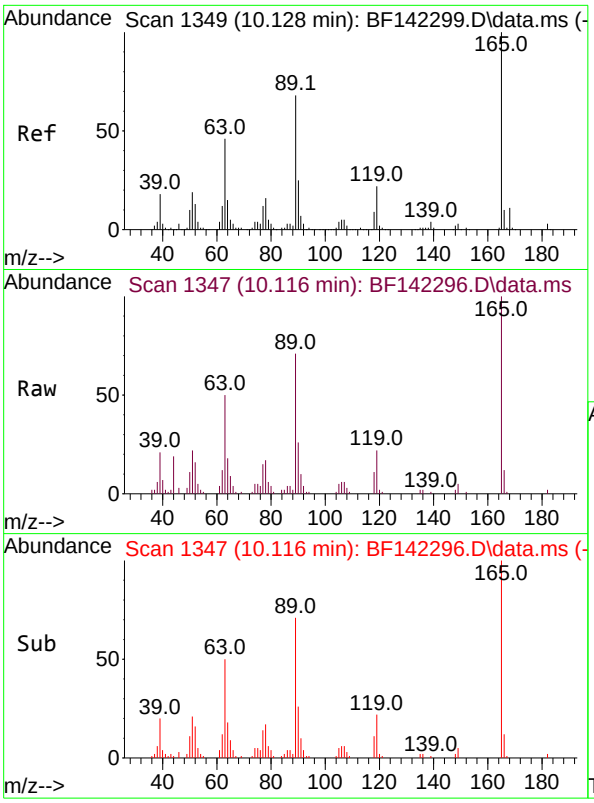


#56
4-Nitrophenol
Concen: 3.743 ng
RT: 10.028 min Scan# 1332
Delta R.T. -0.012 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:139 Resp: 17445

Ion	Ratio	Lower	Upper
139	100		
109	70.1	45.3	85.3
65	95.8	73.9	113.9

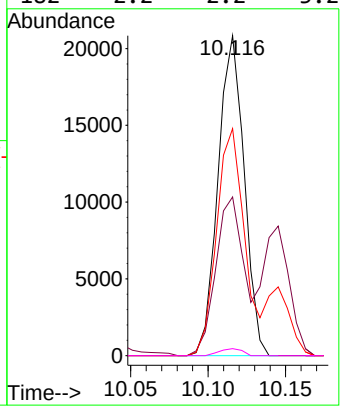




#57
2,4-Dinitrotoluene
Concen: 3.605 ng
RT: 10.116 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:165 Resp: 2441

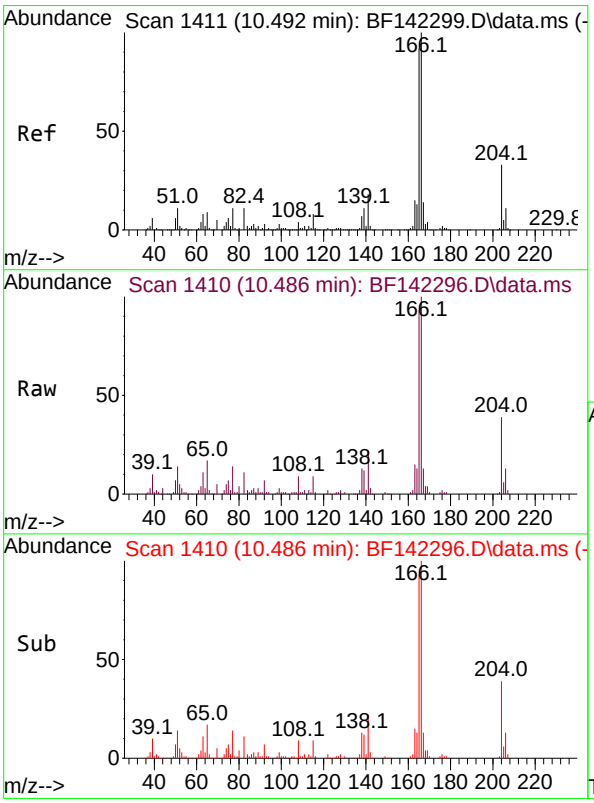
Ion	Ratio	Lower	Upper
165	100		
63	49.6	37.1	55.7
89	71.0	54.4	81.6
182	2.2	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

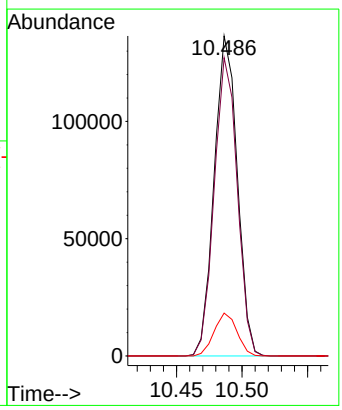
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

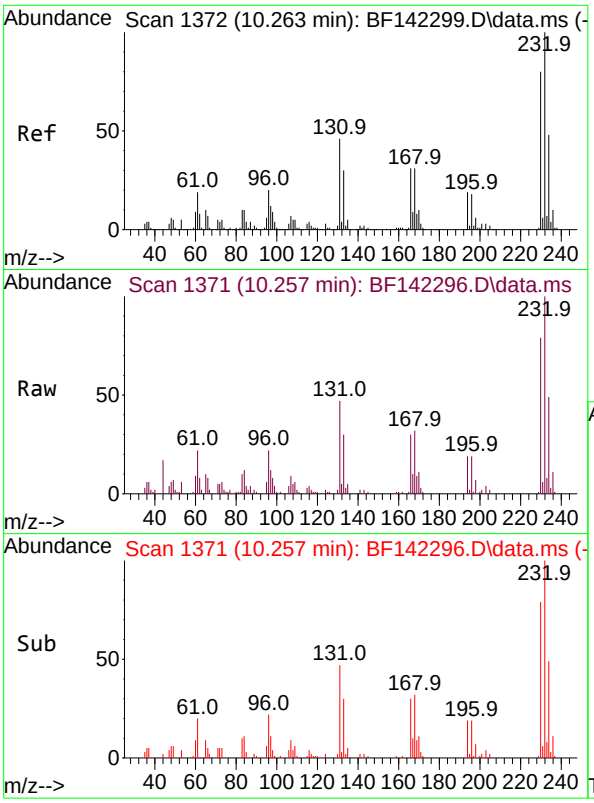


#58
Fluorene
Concen: 5.886 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:166 Resp: 167029

Ion	Ratio	Lower	Upper
166	100		
165	93.2	74.0	111.0
167	13.4	10.9	16.3

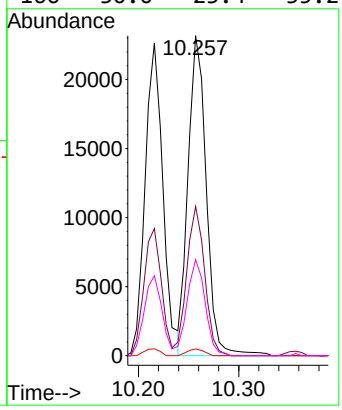




#59
2,3,4,6-Tetrachlorophenol
Concen: 4.301 ng
RT: 10.257 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:232 Resp: 2923

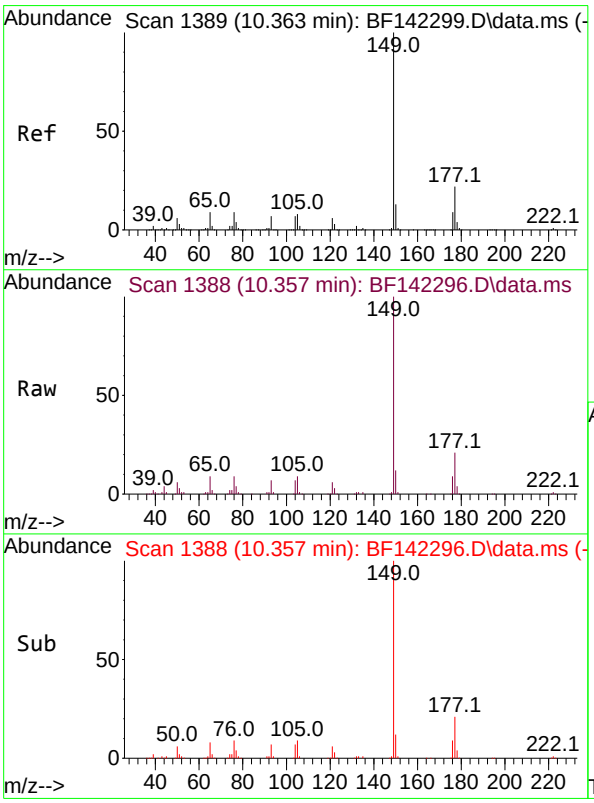
Ion	Ratio	Lower	Upper
232	100		
131	46.0	36.0	54.0
130	1.9	1.8	2.6
166	30.0	23.4	35.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

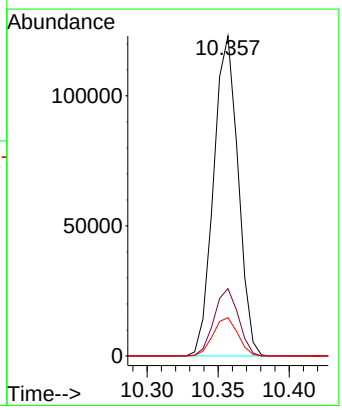
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

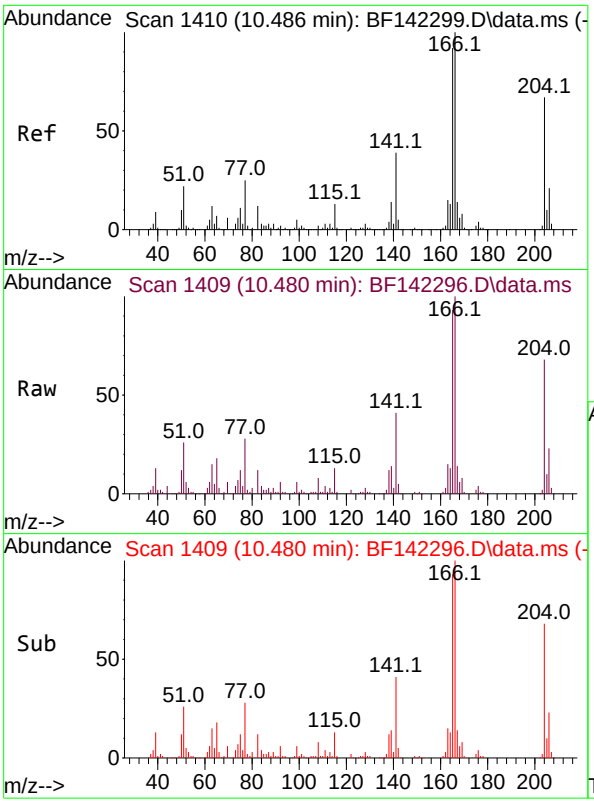


#60
Diethylphthalate
Concen: 5.241 ng
RT: 10.357 min Scan# 1388
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:149 Resp: 147649

Ion	Ratio	Lower	Upper
149	100		
177	21.1	17.6	26.4
150	12.0	10.1	15.1

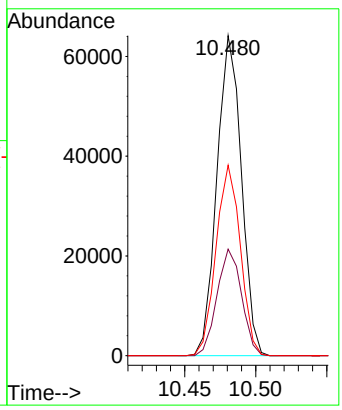




#61
4-Chlorophenyl-phenylether
Concen: 5.608 ng
RT: 10.480 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:204 Resp: 7678

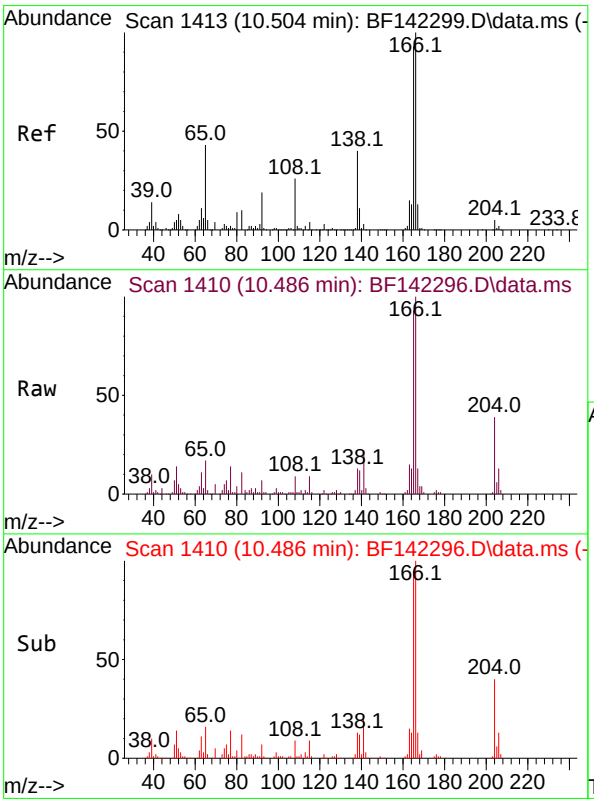
Ion	Ratio	Lower	Upper
204	100		
206	33.3	25.5	38.3
141	59.5	46.4	69.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

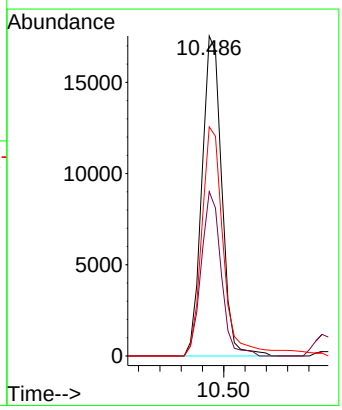
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

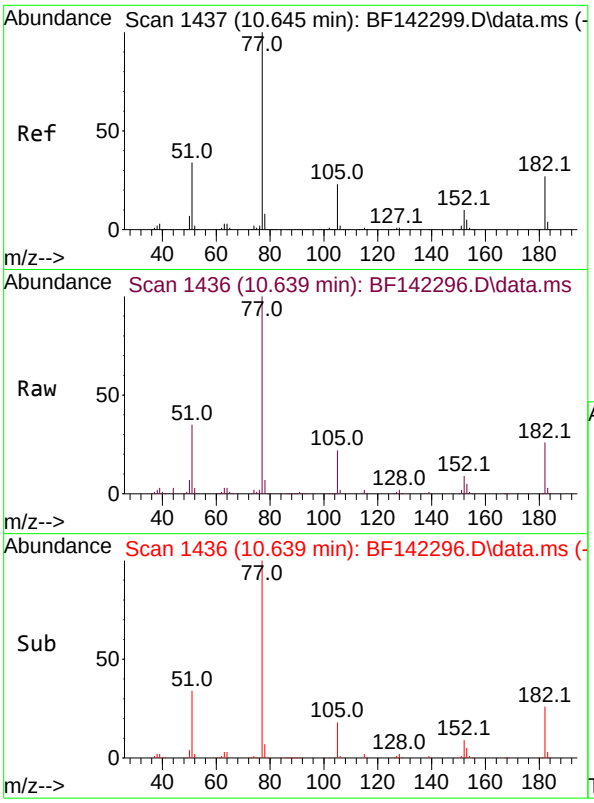


#62
4-Nitroaniline
Concen: 4.632 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.018 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:138 Resp: 22736

Ion	Ratio	Lower	Upper
138	100		
92	51.4	27.3	67.3
108	71.6	45.1	85.1

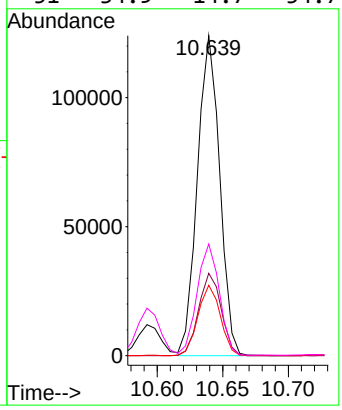




#63
Azobenzene
Concen: 5.460 ng
RT: 10.639 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion: 77 Resp: 14696

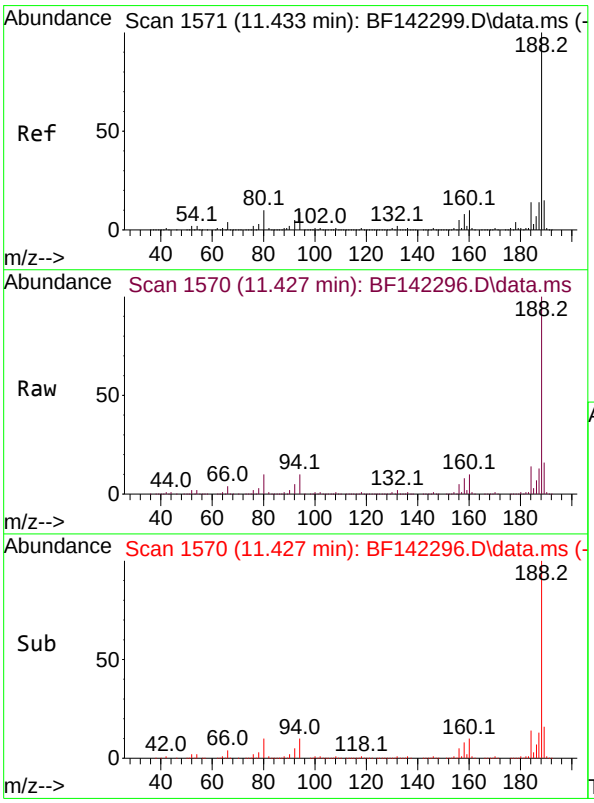
Ion	Ratio	Lower	Upper
77	100		
182	25.7	6.9	46.9
105	22.0	2.7	42.7
51	34.9	14.7	54.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

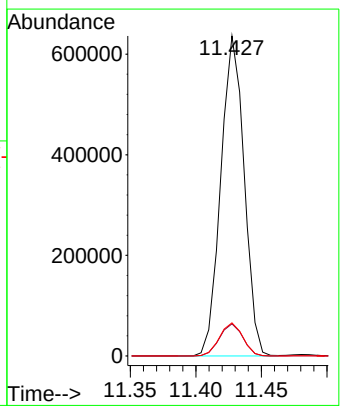
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

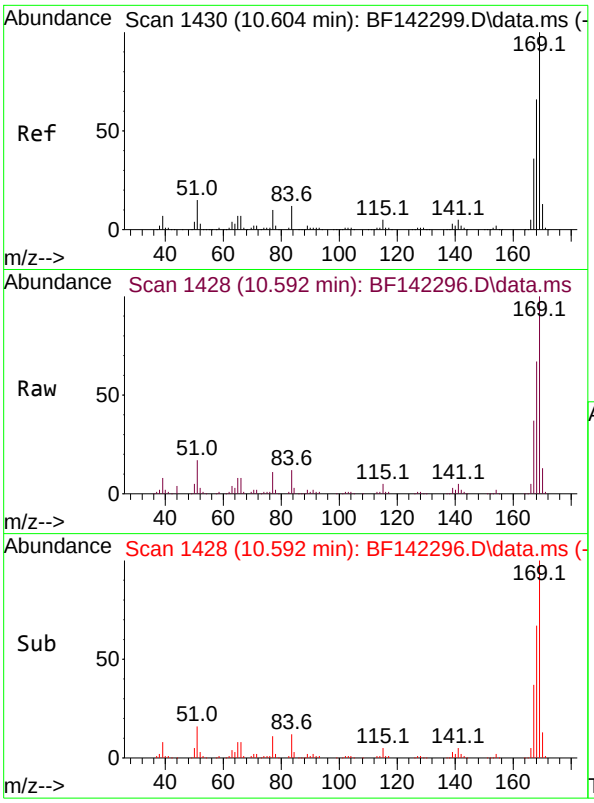


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:188 Resp: 788007

Ion	Ratio	Lower	Upper
188	100		
94	10.1	7.5	11.3
80	10.4	7.9	11.9

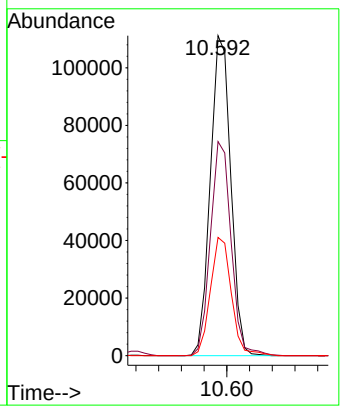




#66
n-Nitrosodiphenylamine
Concen: 5.286 ng
RT: 10.592 min Scan# 14
Delta R.T. -0.012 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:169 Resp: 13860

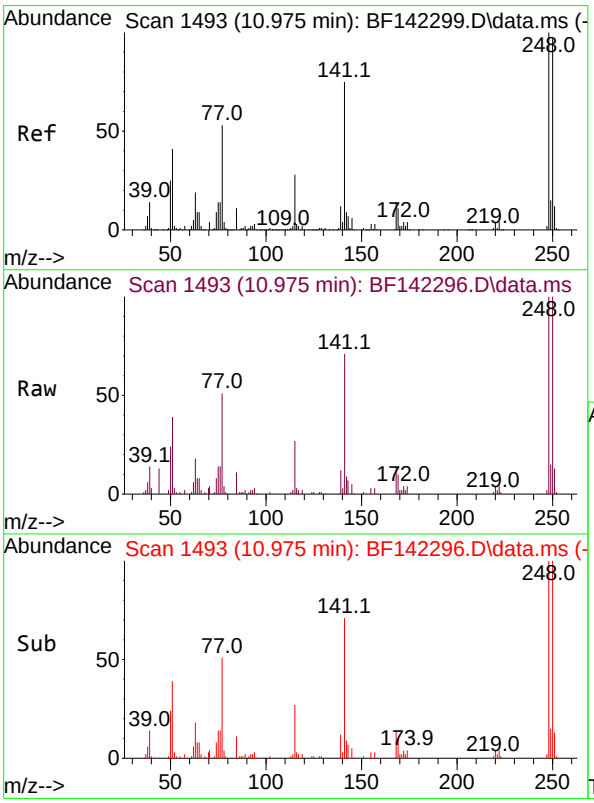
Ion	Ratio	Lower	Upper
169	100		
168	66.9	53.2	79.8
167	36.9	28.9	43.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

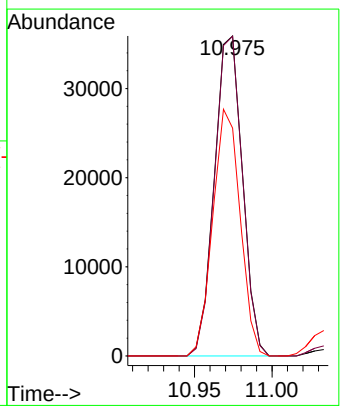
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

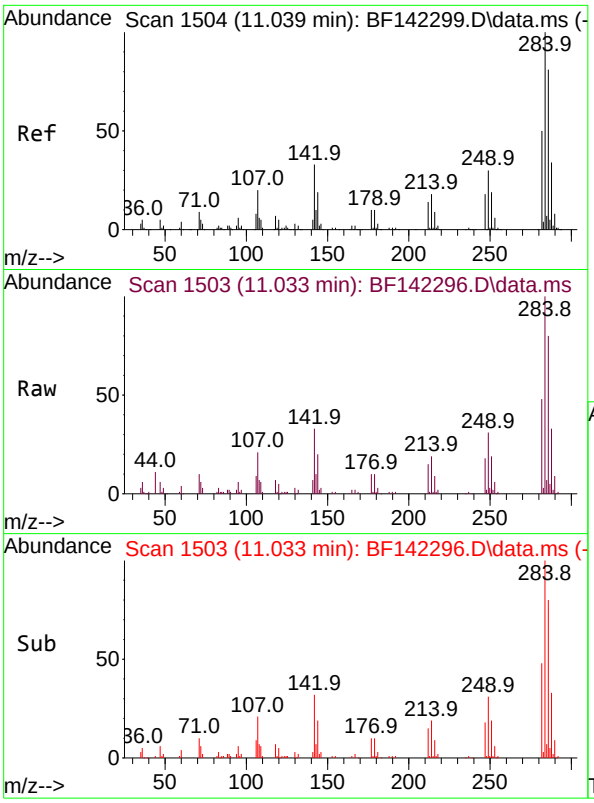


#67
4-Bromophenyl-phenylether
Concen: 5.072 ng
RT: 10.975 min Scan# 1493
Delta R.T. -0.000 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:248 Resp: 45301

Ion	Ratio	Lower	Upper
248	100		
250	99.9	77.9	116.9
141	71.2	59.8	89.8

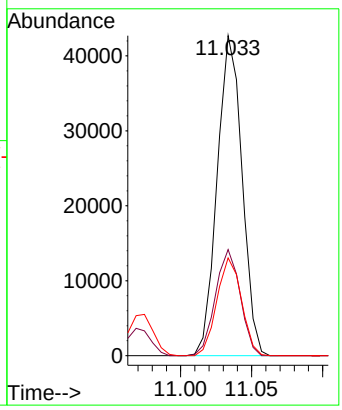




#68
Hexachlorobenzene
Concen: 5.291 ng
RT: 11.033 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:284 Resp: 5197

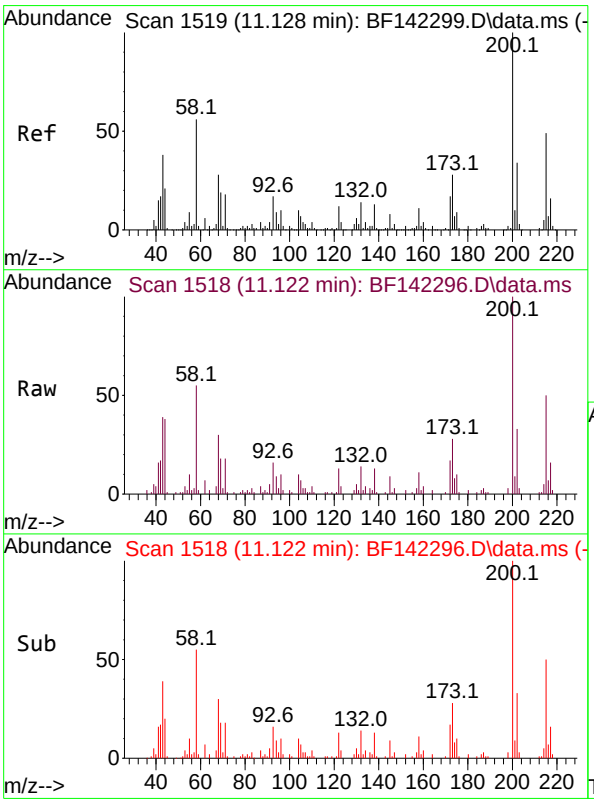
Ion	Ratio	Lower	Upper
284	100		
142	33.2	26.6	39.8
249	30.6	24.1	36.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

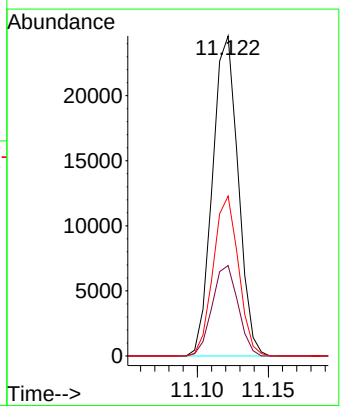
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

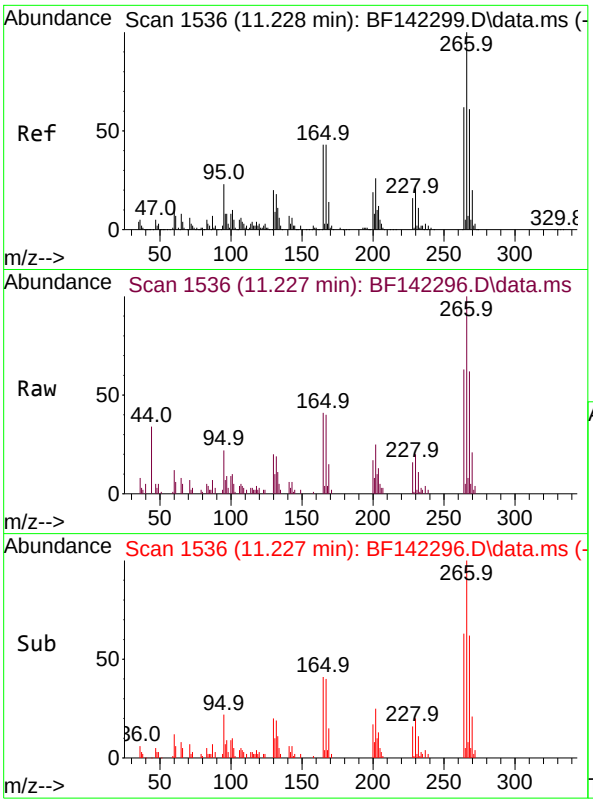


#69
Atrazine
Concen: 4.472 ng
RT: 11.122 min Scan# 1518
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:200 Resp: 30914

Ion	Ratio	Lower	Upper
200	100		
173	28.3	8.1	48.1
215	49.9	28.8	68.8

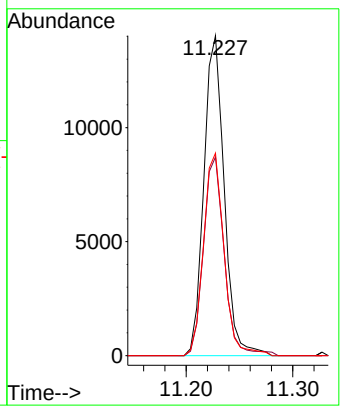




#70
Pentachlorophenol
Concen: 3.599 ng
RT: 11.227 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:266 Resp: 1859

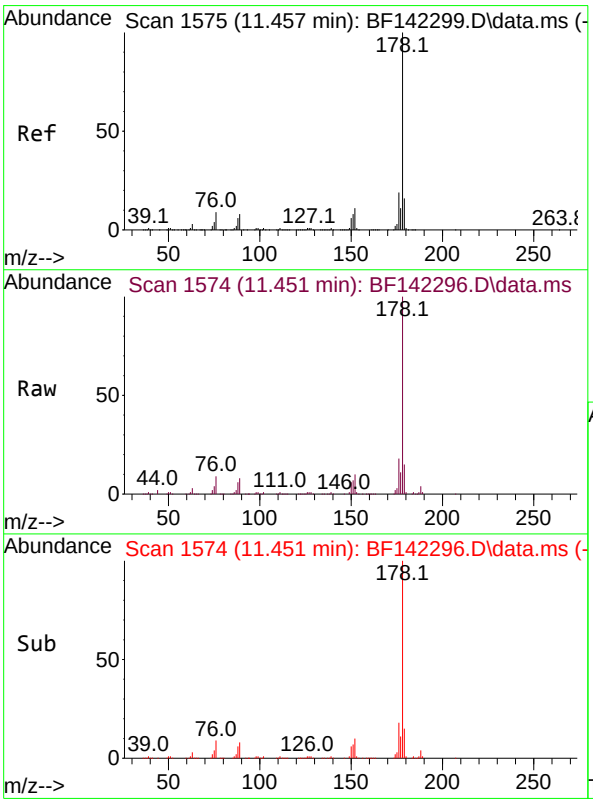
Ion	Ratio	Lower	Upper
266	100		
268	62.1	48.7	73.1
264	63.3	49.8	74.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

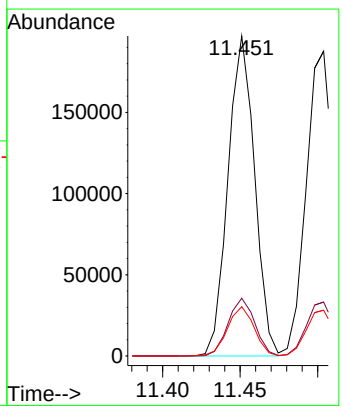
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

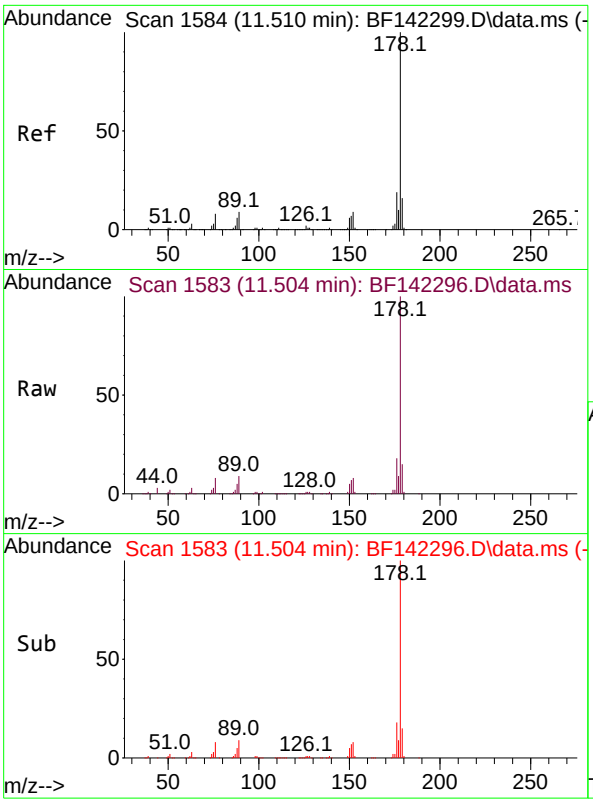


#71
Phenanthrene
Concen: 5.692 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:178 Resp: 235107

Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.5	23.3
179	15.4	12.6	18.8

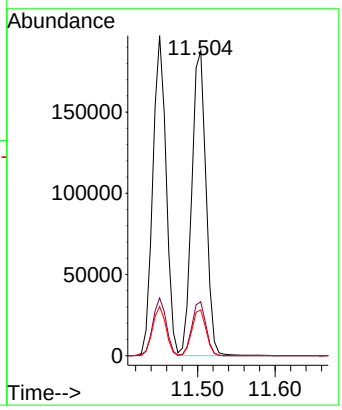




#72
Anthracene
Concen: 5.616 ng
RT: 11.504 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:178 Resp: 23834

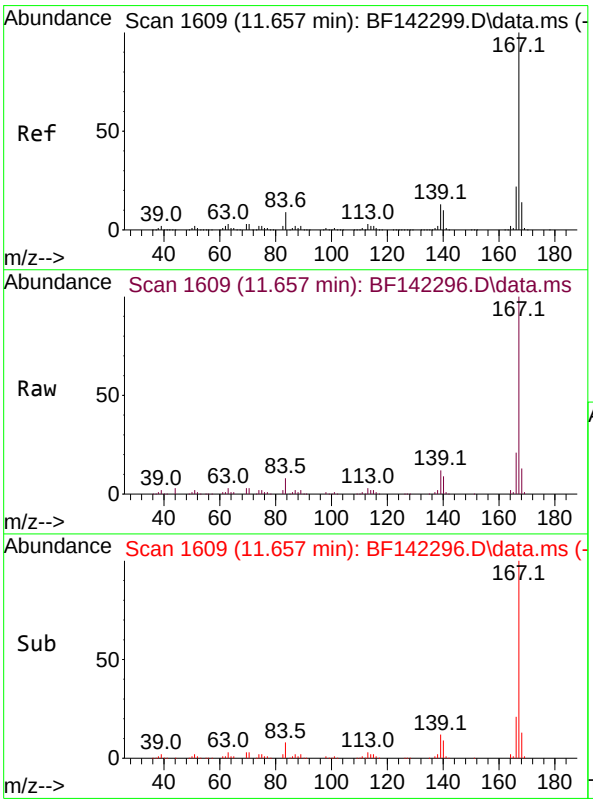
Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.3	22.9
179	15.0	12.6	18.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

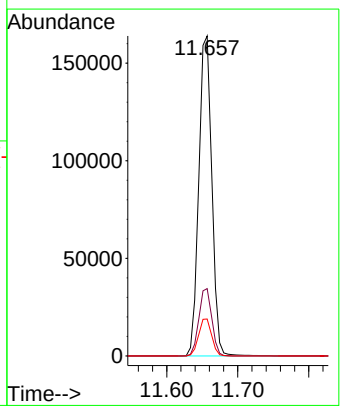
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

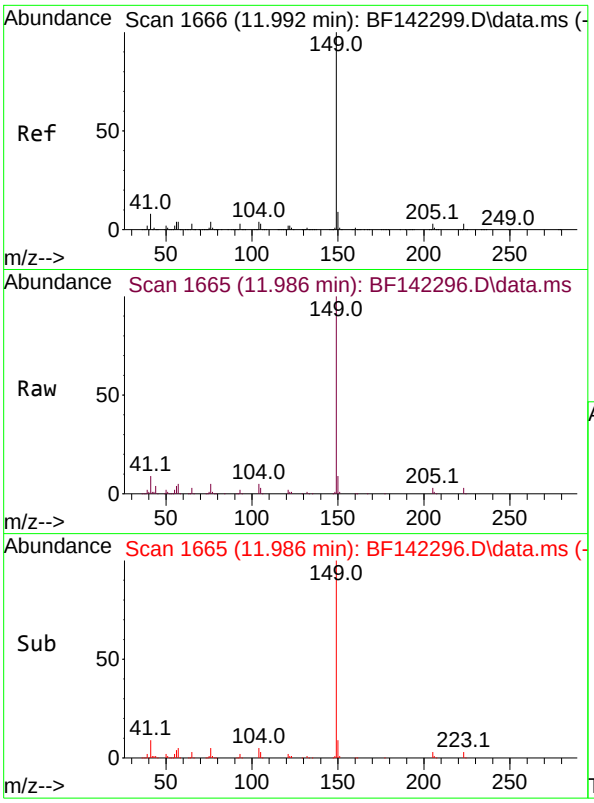


#73
Carbazole
Concen: 5.512 ng
RT: 11.657 min Scan# 1609
Delta R.T. -0.000 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:167 Resp: 209878

Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.2	25.8
139	11.5	10.3	15.5





#74
Di-n-butylphthalate
Concen: 4.707 ng
RT: 11.986 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

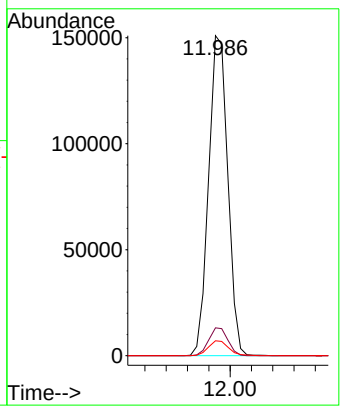
Tgt Ion:149 Resp: 18846

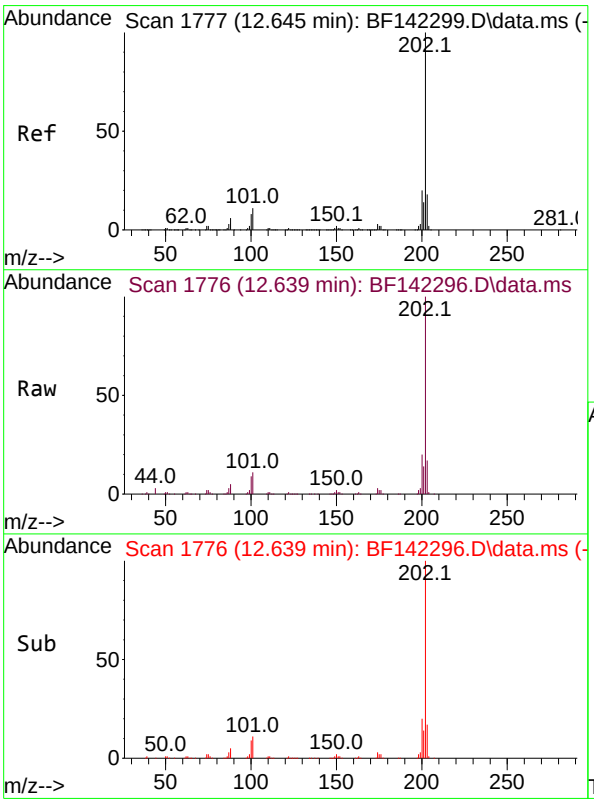
Ion	Ratio	Lower	Upper
149	100		
150	8.7	7.5	11.3
104	4.7	3.6	5.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

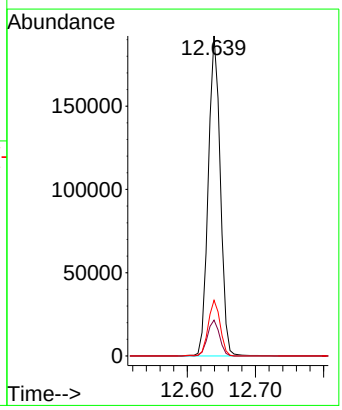


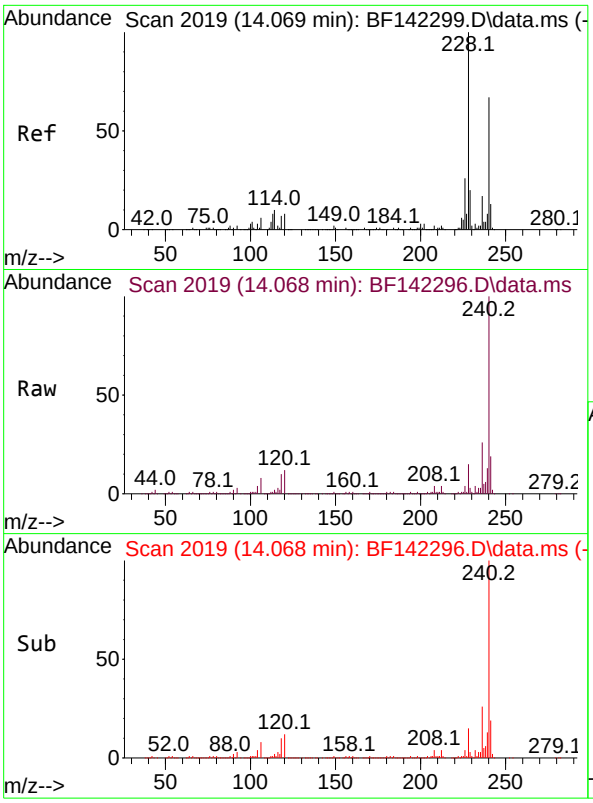


#75
Fluoranthene
Concen: 5.716 ng
RT: 12.639 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:202 Resp: 236016

Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	31.4
203	17.4	0.0	37.9

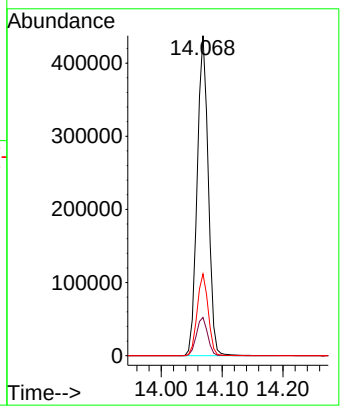




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:240 Resp: 55367

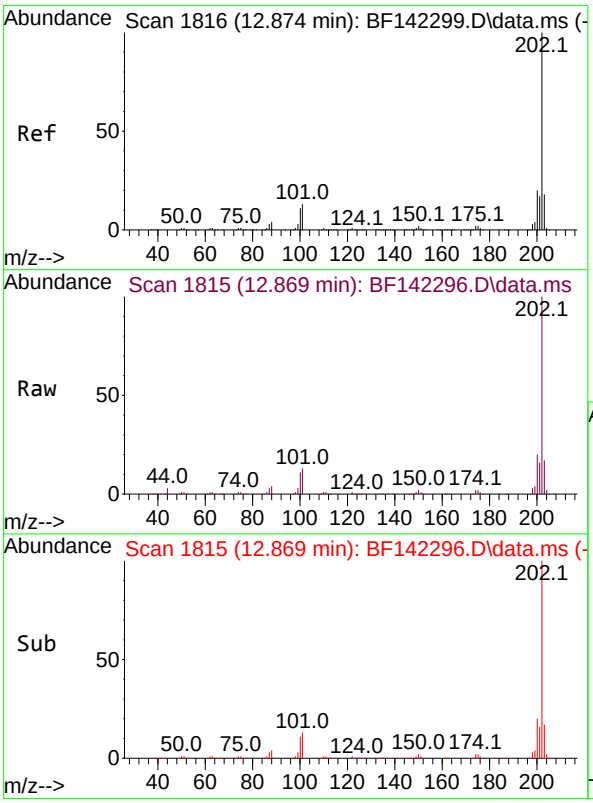
Ion	Ratio	Lower	Upper
240	100		
120	12.0	9.7	14.5
236	25.5	20.0	30.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

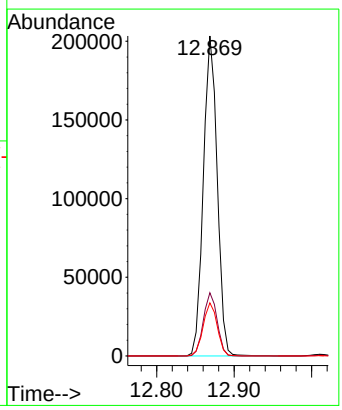
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

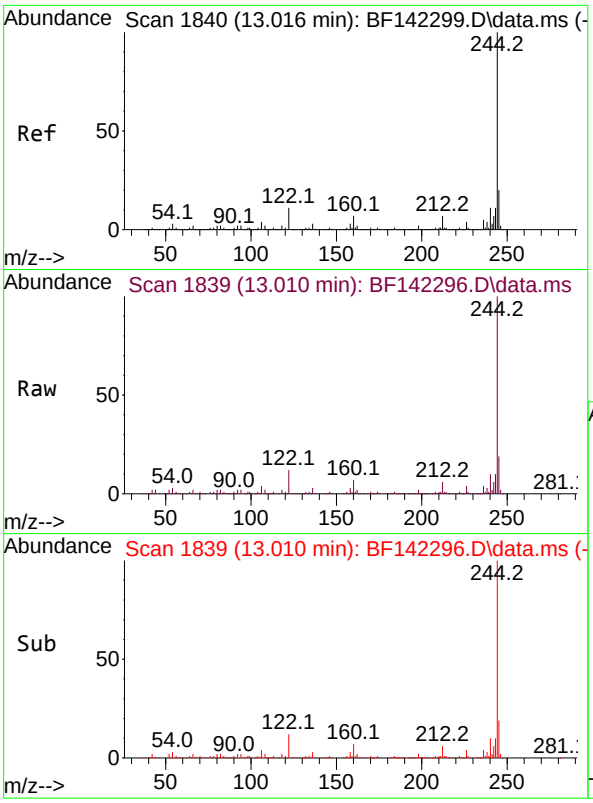


#78
Pyrene
Concen: 5.118 ng
RT: 12.869 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:202 Resp: 252238

Ion	Ratio	Lower	Upper
202	100		
200	19.8	16.2	24.4
203	16.6	14.3	21.5

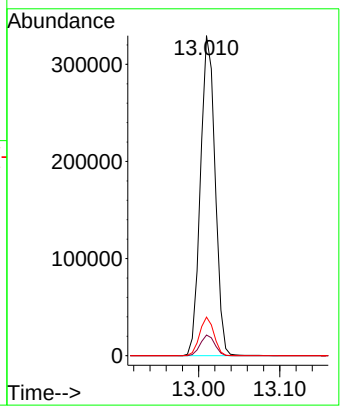




#79
Terphenyl-d14
Concen: 11.049 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:244 Resp: 41331

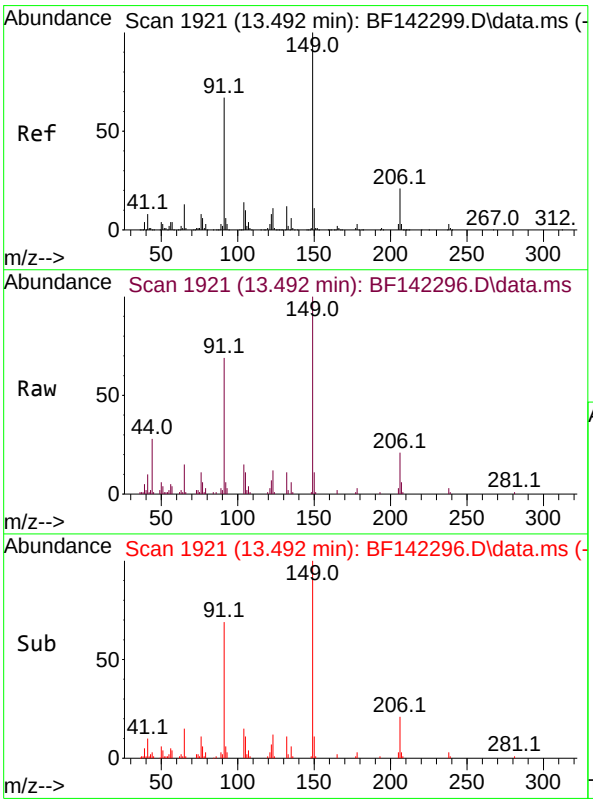
Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.2
122	12.1	9.0	13.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

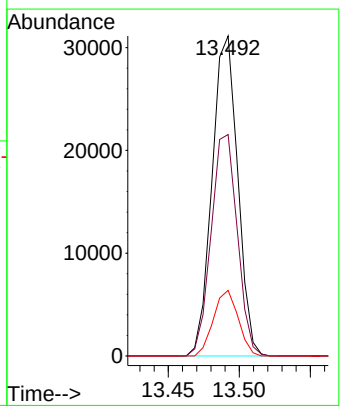
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

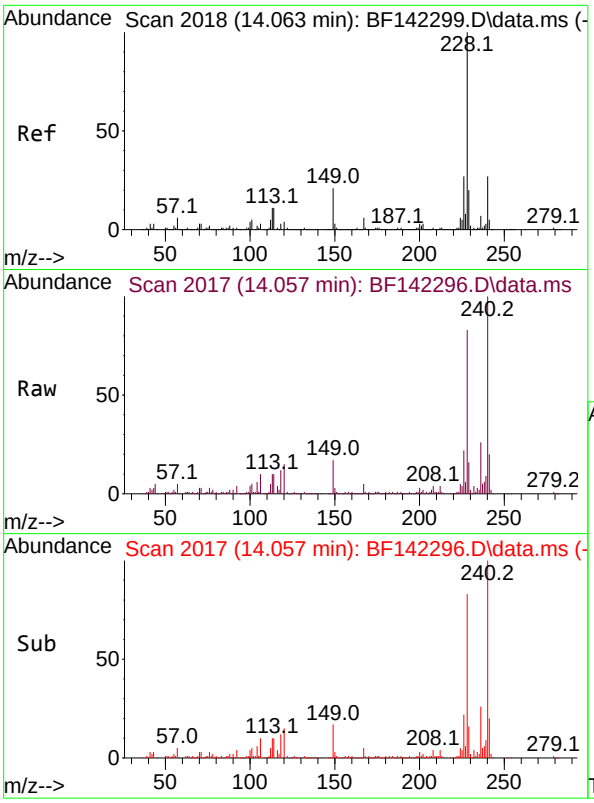


#80
Butylbenzylphthalate
Concen: 6.169 ng
RT: 13.492 min Scan# 1921
Delta R.T. 0.000 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:149 Resp: 39082

Ion	Ratio	Lower	Upper
149	100		
91	69.2	53.8	80.6
206	20.5	16.6	24.8

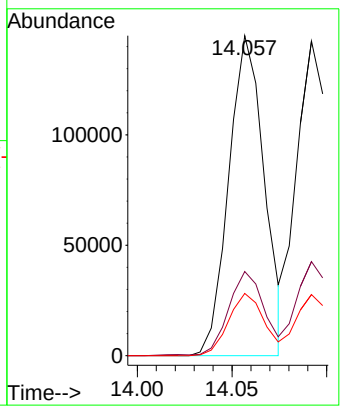




#81
Benzo(a)anthracene
Concen: 5.289 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:228 Resp: 189654

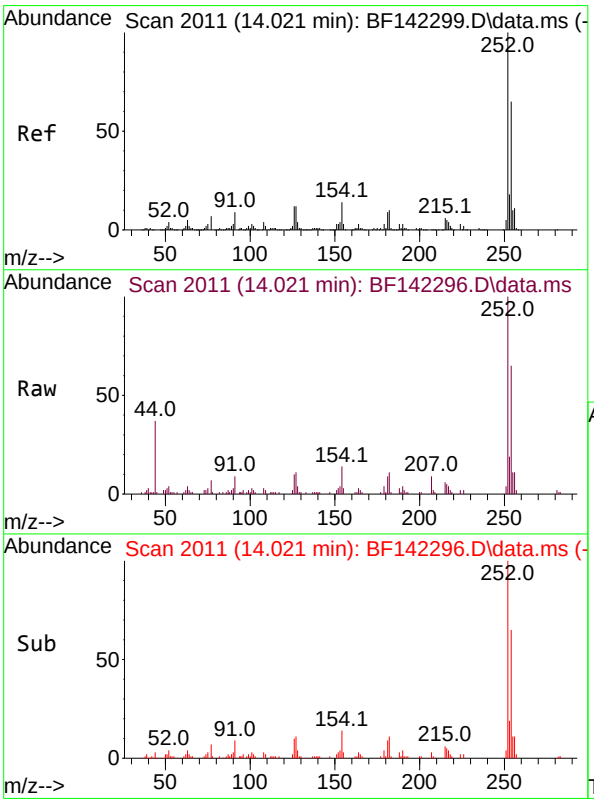
Ion	Ratio	Lower	Upper
228	100		
226	26.3	21.5	32.3
229	19.4	15.9	23.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

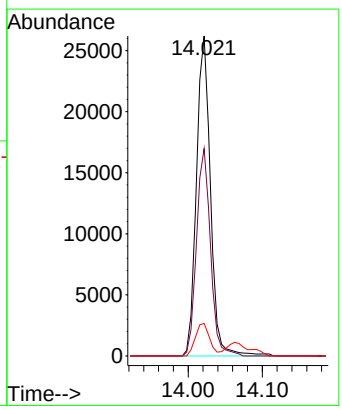
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

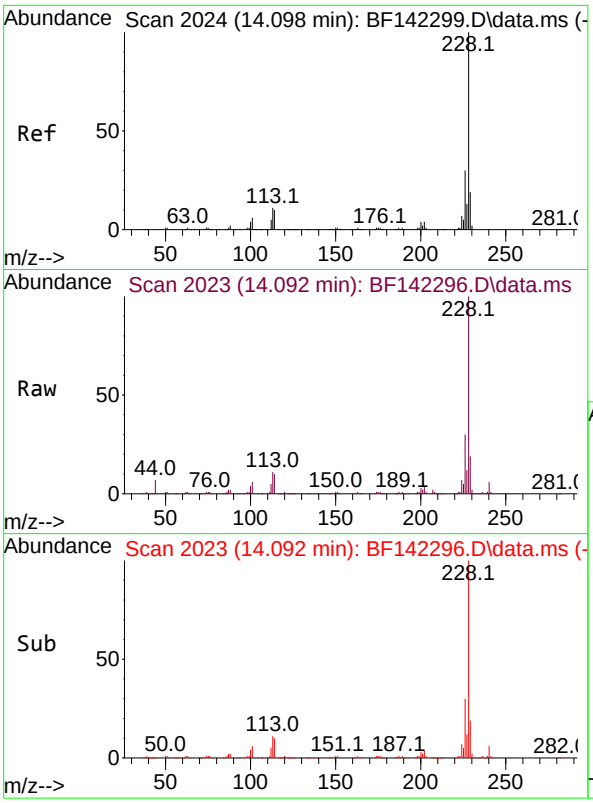


#82
3,3'-Dichlorobenzidine
Concen: 4.143 ng
RT: 14.021 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:252 Resp: 34544

Ion	Ratio	Lower	Upper
252	100		
254	64.8	52.0	78.0
126	10.1	9.7	14.5

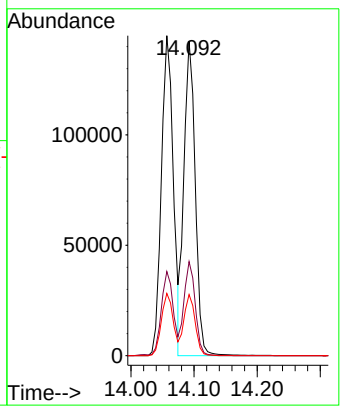




#83
Chrysene
Concen: 5.365 ng
RT: 14.092 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:228 Resp: 17908

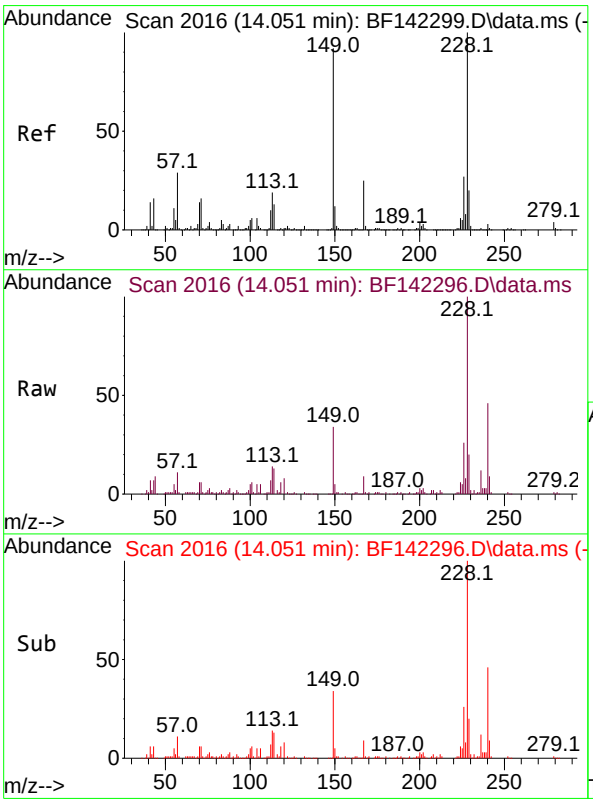
Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.9	35.9
229	19.4	15.4	23.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

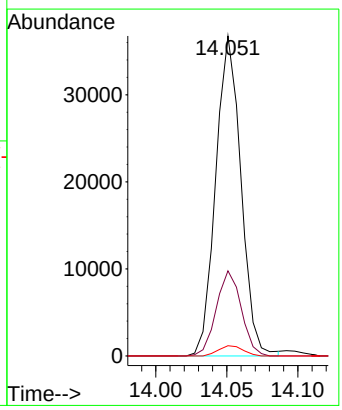
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

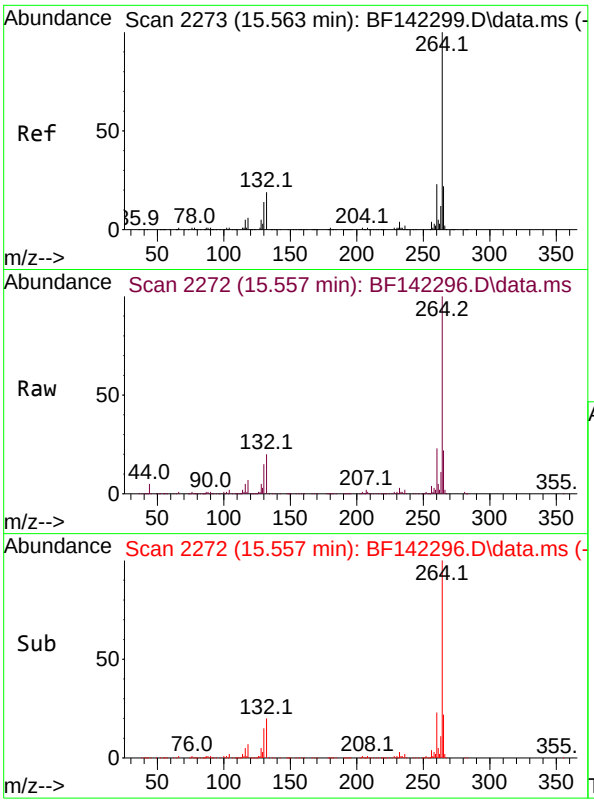


#84
Bis(2-ethylhexyl)phthalate
Concen: 6.444 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.000 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:149 Resp: 45343

Ion	Ratio	Lower	Upper
149	100		
167	26.6	22.0	33.0
279	3.2	3.0	4.6

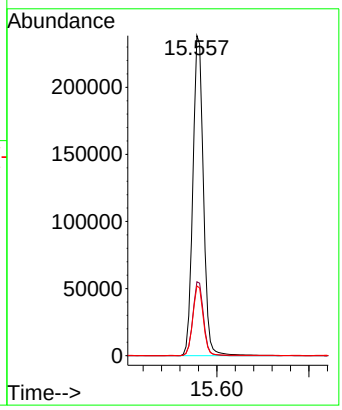




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:264 Resp: 37697

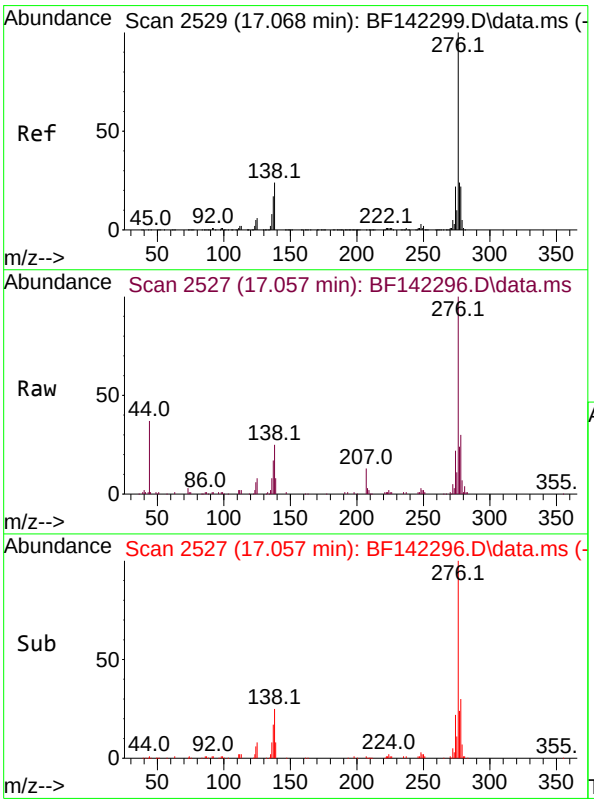
Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.6	27.8
265	21.8	17.5	26.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations APPROVED

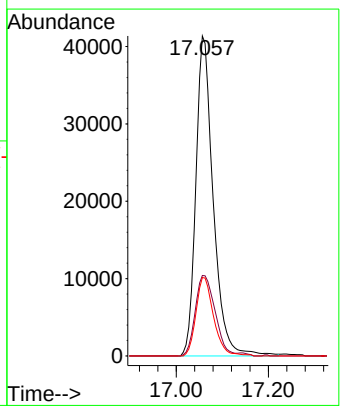
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

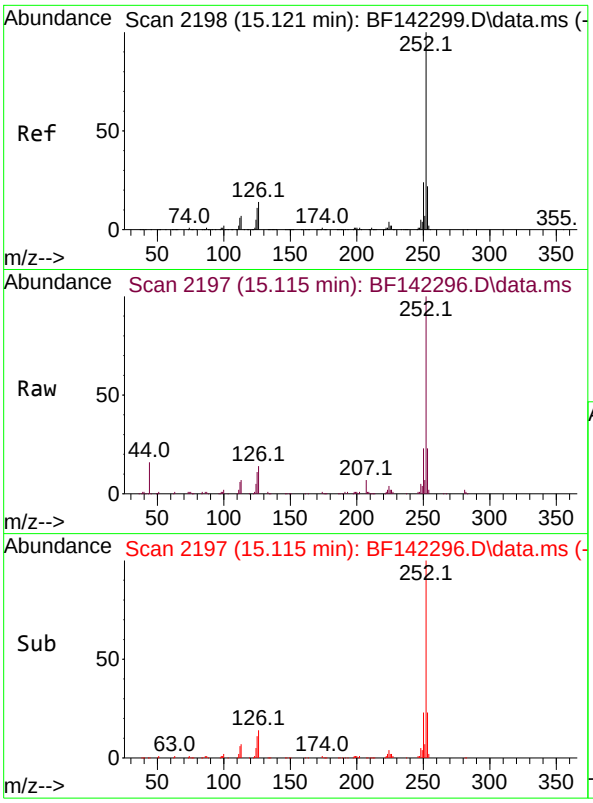


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.138 ng
RT: 17.057 min Scan# 2527
Delta R.T. -0.012 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:276 Resp: 108522

Ion	Ratio	Lower	Upper
276	100		
138	28.7	22.0	33.0
277	24.9	20.1	30.1

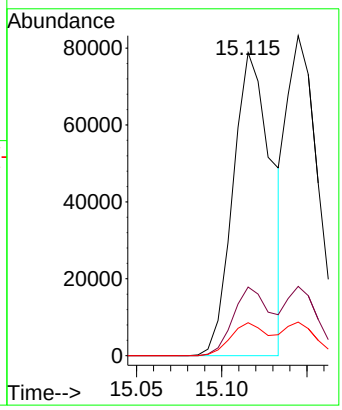




#88
Benzo(b)fluoranthene
Concen: 5.416 ng
RT: 15.115 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:252 Resp: 12366

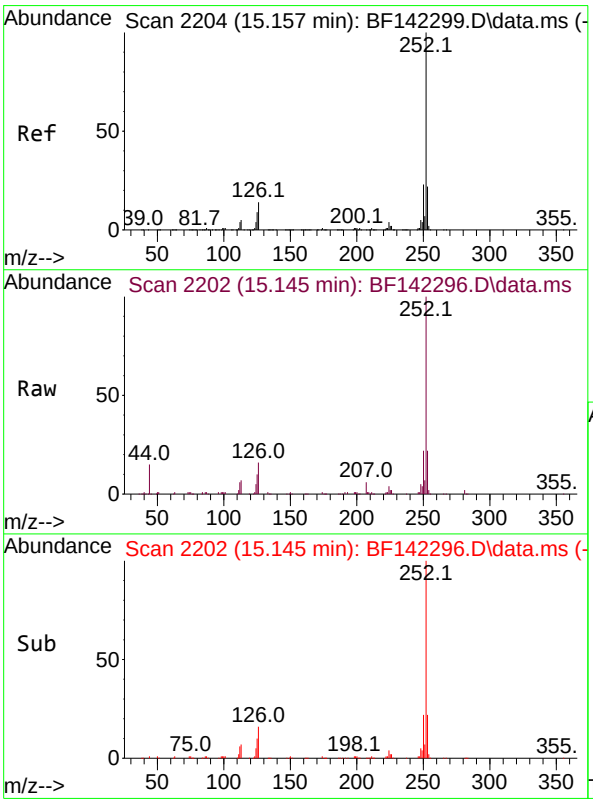
Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.7	26.5
125	10.9	8.7	13.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

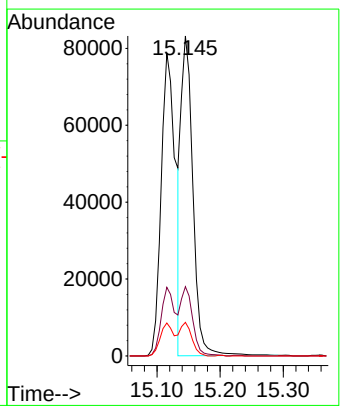
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

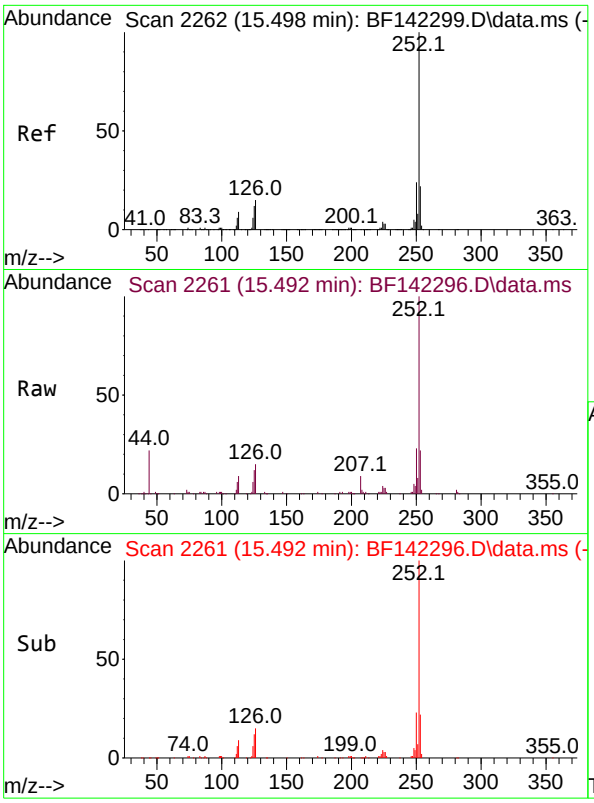


#89
Benzo(k)fluoranthene
Concen: 5.224 ng
RT: 15.145 min Scan# 2202
Delta R.T. -0.012 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:252 Resp: 109149

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.6	26.4
125	10.5	8.1	12.1

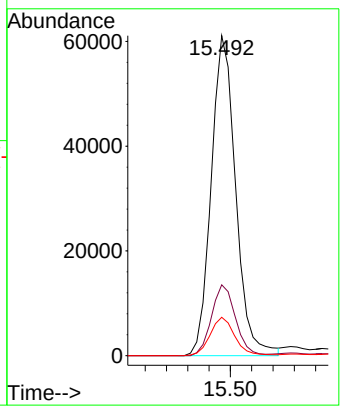




#90
Benzo(a)pyrene
Concen: 4.761 ng
RT: 15.492 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:252 Resp: 9741

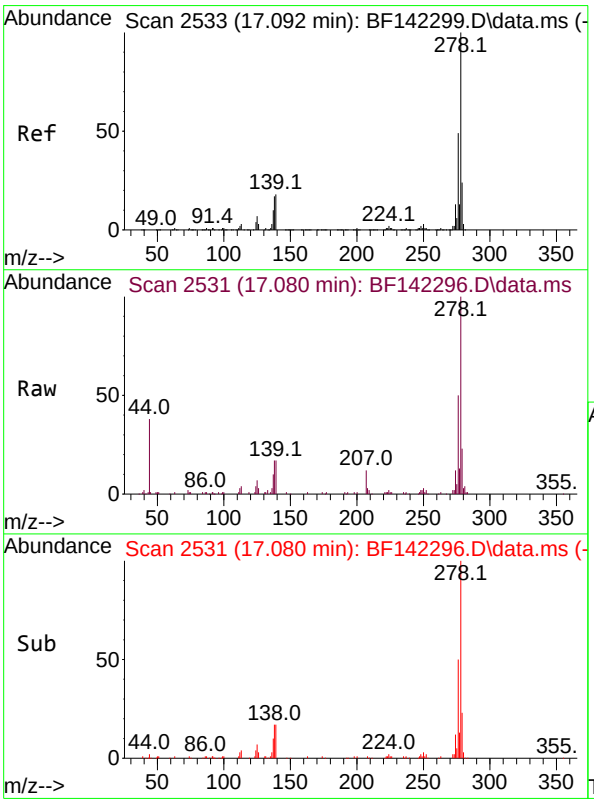
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	12.0	9.4	14.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

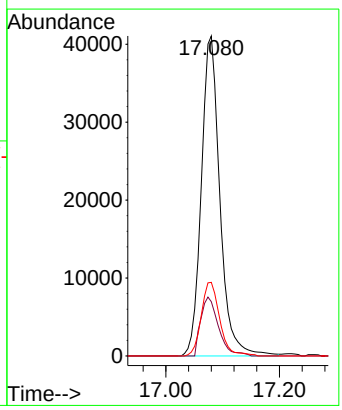
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

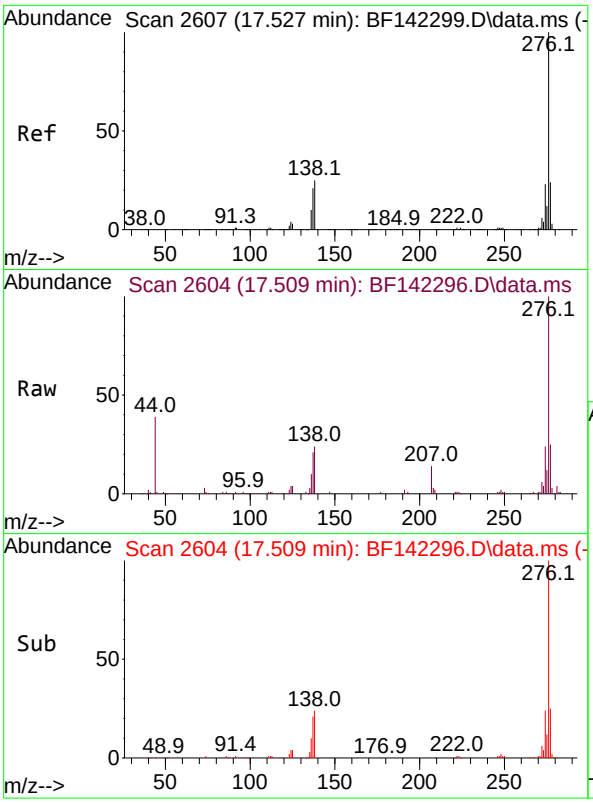


#91
Dibenzo(a,h)anthracene
Concen: 4.295 ng
RT: 17.080 min Scan# 2531
Delta R.T. -0.012 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:278 Resp: 93055

Ion	Ratio	Lower	Upper
278	100		
139	16.9	14.5	21.7
279	23.0	18.9	28.3

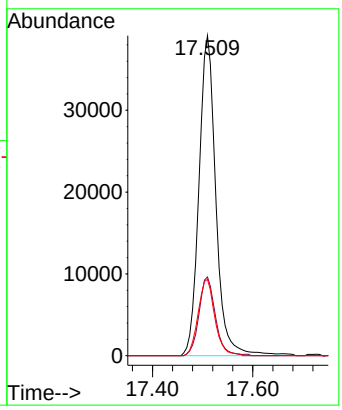




#92
Benzo(g,h,i)perylene
Concen: 4.255 ng
RT: 17.509 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:276 Resp: 9149

Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.0	28.6
138	23.8	19.8	29.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142297.D
Acq On : 05 May 2025 14:52
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

Quant Time: May 05 17:57:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 17:44:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.904	152	212907	20.000	ng		0.00
21) Naphthalene-d8	8.187	136	834027	20.000	ng		0.00
39) Acenaphthene-d10	9.939	164	451658	20.000	ng		0.00
64) Phenanthrene-d10	11.428	188	799418	20.000	ng		0.00
76) Chrysene-d12	14.069	240	531922	20.000	ng		0.00
86) Perylene-d12	15.563	264	390300	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.510	112	250509	20.086	ng		0.00
7) Phenol-d6	6.516	99	310470	20.240	ng		0.00
23) Nitrobenzene-d5	7.463	82	253451	18.533	ng		0.00
42) 2,4,6-Tribromophenol	10.728	330	79570	18.247	ng		0.00
45) 2-Fluorobiphenyl	9.257	172	725000	22.888	ng		0.00
79) Terphenyl-d14	13.010	244	757212	21.070	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.687	88	56091	9.987	ng		98
3) Pyridine	3.457	79	131287	9.941	ng		99
4) n-Nitrosodimethylamine	3.387	42	75254	9.819	ng	#	98
6) Aniline	6.563	93	145801	9.690	ng		99
8) 2-Chlorophenol	6.681	128	130151	9.765	ng		98
9) Benzaldehyde	6.451	77	102088	11.371	ng		100
10) Phenol	6.528	94	162652	10.003	ng		99
11) bis(2-Chloroethyl)ether	6.634	93	164226m	10.242	ng		
12) 1,3-Dichlorobenzene	6.845	146	160179	10.505	ng		99
13) 1,4-Dichlorobenzene	6.922	146	159624	10.427	ng		99
14) 1,2-Dichlorobenzene	7.075	146	152479	10.376	ng		99
15) Benzyl Alcohol	7.034	79	89790	9.040	ng		100
16) 2,2'-oxybis(1-Chloropr...	7.175	45	245918	10.270	ng		99
17) 2-Methylphenol	7.145	107	107331	9.947	ng		98
18) Hexachloroethane	7.422	117	49420	9.702	ng		99
19) n-Nitroso-di-n-propyla...	7.304	70	97394	10.264	ng		95
20) 3+4-Methylphenols	7.293	107	136376	10.127	ng	#	88
22) Acetophenone	7.304	105	197710	10.662	ng		96
24) Nitrobenzene	7.481	77	122267	9.485	ng		99
25) Isophorone	7.716	82	259962	10.039	ng		98
26) 2-Nitrophenol	7.798	139	40609	10.066	ng		99
27) 2,4-Dimethylphenol	7.828	122	131079	10.068	ng		98
28) bis(2-Chloroethoxy)met...	7.928	93	172734	10.373	ng		99
29) 2,4-Dichlorophenol	8.034	162	104807	9.468	ng		98
30) 1,2,4-Trichlorobenzene	8.128	180	129041	10.358	ng		98
31) Naphthalene	8.210	128	429996	10.638	ng		99
32) Benzoic acid	7.881	122	35000m	11.080	ng		
33) 4-Chloroaniline	8.257	127	155389m	9.438	ng		
34) Hexachlorobutadiene	8.328	225	75921	10.292	ng		99
35) Caprolactam	8.587	113	28438	8.834	ng		97
36) 4-Chloro-3-methylphenol	8.722	107	112762	9.800	ng		99
37) 2-Methylnaphthalene	8.898	142	265328	10.564	ng		100
38) 1-Methylnaphthalene	8.998	142	281289	10.745	ng		98
40) 1,2,4,5-Tetrachloroben...	9.063	216	132346	10.492	ng		99
41) Hexachlorocyclopentadiene	9.051	237	68324	8.764	ng		100
43) 2,4,6-Trichlorophenol	9.169	196	72234	9.078	ng		99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142297.D
Acq On : 05 May 2025 14:52
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

Quant Time: May 05 17:57:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 17:44:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	79827	9.429	ng		97
46) 1,1'-Biphenyl	9.363	154	370629	10.702	ng		98
47) 2-Chloronaphthalene	9.386	162	270501	10.503	ng		98
48) 2-Nitroaniline	9.475	65	54180	8.208	ng		97
49) Acenaphthylene	9.804	152	457356	10.616	ng		99
50) Dimethylphthalate	9.657	163	292351	10.080	ng		99
51) 2,6-Dinitrotoluene	9.716	165	46421	8.551	ng		99
52) Acenaphthene	9.975	154	268993	10.384	ng		99
53) 3-Nitroaniline	9.886	138	53755	8.443	ng	#	99
54) 2,4-Dinitrophenol	9.986	184	14043	12.133	ng	#	1
55) Dibenzofuran	10.145	168	404214	10.573	ng		99
56) 4-Nitrophenol	10.028	139	40283	8.407	ng		98
57) 2,4-Dinitrotoluene	10.116	165	56545	8.120	ng		94
58) Fluorene	10.486	166	317792	10.892	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.257	232	65106	9.316	ng		99
60) Diethylphthalate	10.357	149	299154	10.329	ng		99
61) 4-Chlorophenyl-phenyle...	10.481	204	150371	10.683	ng		97
62) 4-Nitroaniline	10.492	138	51843	10.274	ng		96
63) Azobenzene	10.639	77	287064	10.372	ng		98
65) 4,6-Dinitro-2-methylph...	10.522	198	20774	11.925	ng		94
66) n-Nitrosodiphenylamine	10.598	169	273145	10.268	ng		100
67) 4-Bromophenyl-phenylether	10.975	248	90669	10.008	ng		96
68) Hexachlorobenzene	11.033	284	98422	9.876	ng		98
69) Atrazine	11.122	200	65913	9.400	ng		99
70) Pentachlorophenol	11.228	266	43524	8.302	ng		99
71) Phenanthrene	11.451	178	440505	10.512	ng		99
72) Anthracene	11.504	178	454013	10.545	ng		99
73) Carbazole	11.657	167	406007	10.511	ng		99
74) Di-n-butylphthalate	11.992	149	408614	10.060	ng		99
75) Fluoranthene	12.639	202	461212	11.011	ng		99
77) Benzidine	12.763	184	72321	7.482	ng		99
78) Pyrene	12.869	202	464898	9.819	ng		100
80) Butylbenzylphthalate	13.492	149	87770	9.527	ng		99
81) Benzo(a)anthracene	14.057	228	345605	10.033	ng		100
82) 3,3'-Dichlorobenzidine	14.021	252	74238	9.267	ng		99
83) Chrysene	14.092	228	326300	10.175	ng		99
84) Bis(2-ethylhexyl)phtha...	14.051	149	111032	9.863	ng		98
85) Di-n-octyl phthalate	14.669	149	155899	11.860	ng		99
87) Indeno(1,2,3-cd)pyrene	17.057	276	250070	9.211	ng		100
88) Benzo(b)fluoranthene	15.116	252	237339	10.040	ng		100
89) Benzo(k)fluoranthene	15.145	252	222898	10.304	ng		99
90) Benzo(a)pyrene	15.492	252	203272	9.596	ng		98
91) Dibenzo(a,h)anthracene	17.080	278	207967	9.272	ng		99
92) Benzo(g,h,i)perylene	17.509	276	206052	9.256	ng		99

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

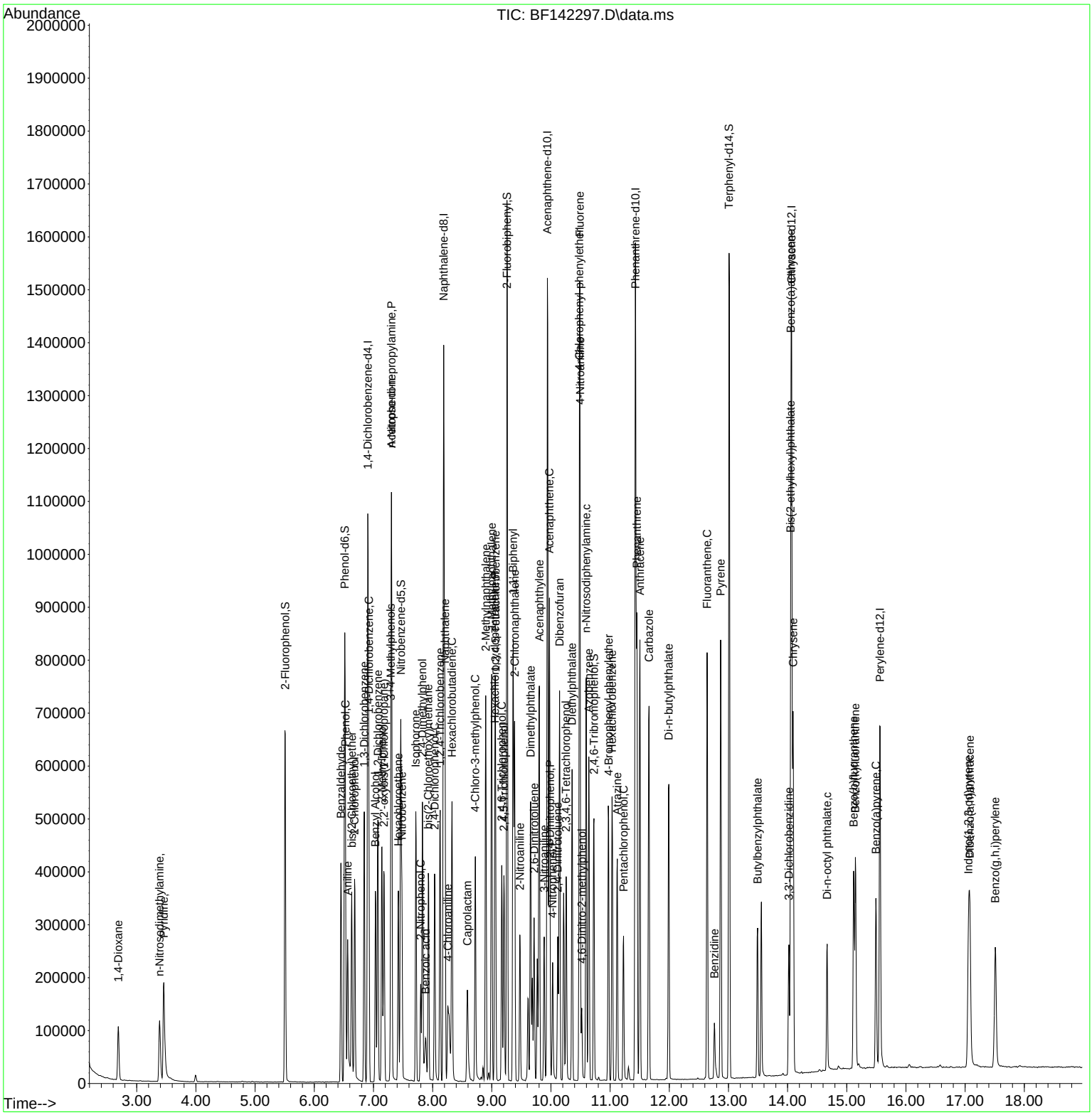
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142297.D
Acq On : 05 May 2025 14:52
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

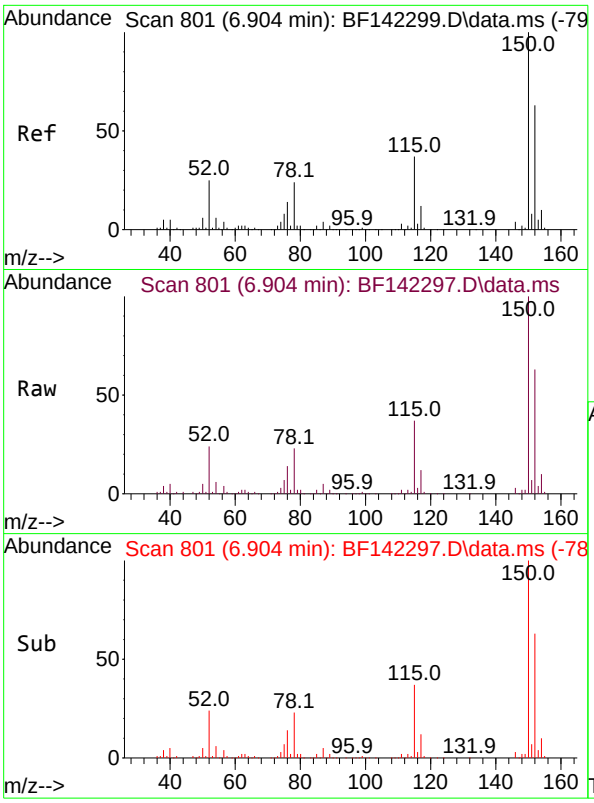
Quant Time: May 05 17:57:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 17:44:56 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

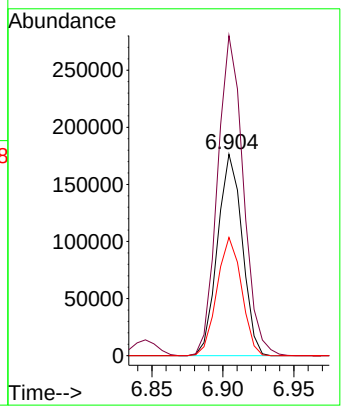




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:152 Resp: 21290

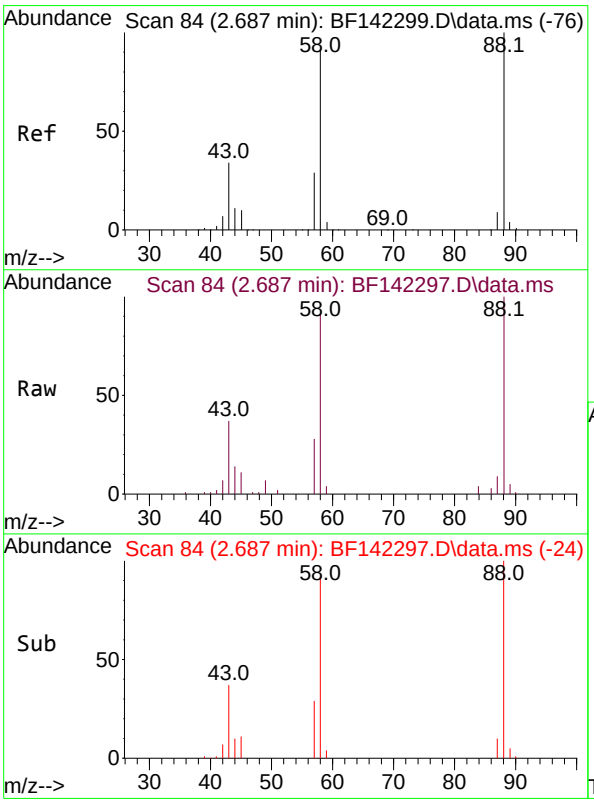
Ion	Ratio	Lower	Upper
152	100		
150	158.9	126.6	190.0
115	58.7	47.3	70.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

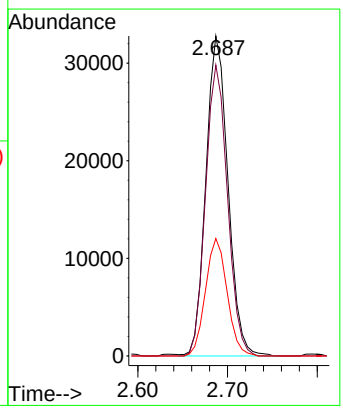
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

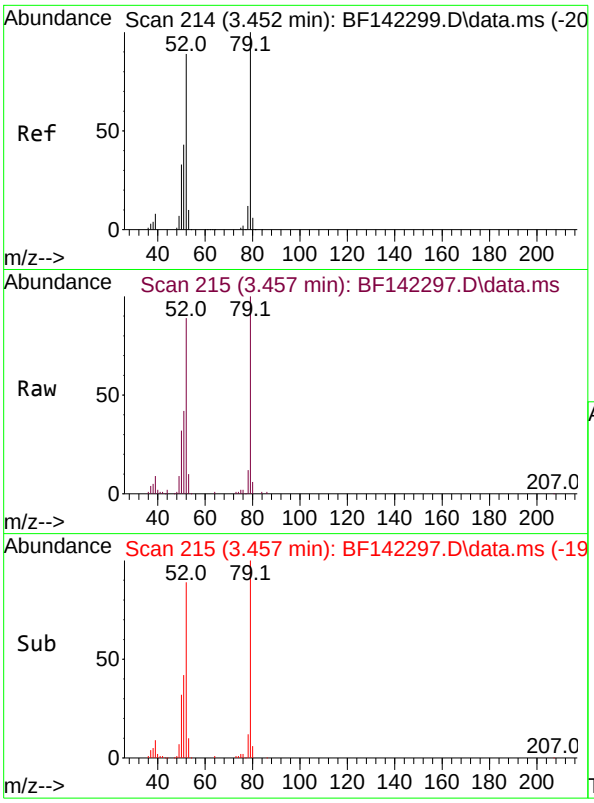


#2
1,4-Dioxane
Concen: 9.987 ng
RT: 2.687 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion: 88 Resp: 56091

Ion	Ratio	Lower	Upper
88	100		
58	90.0	73.0	109.4
43	35.9	27.8	41.6

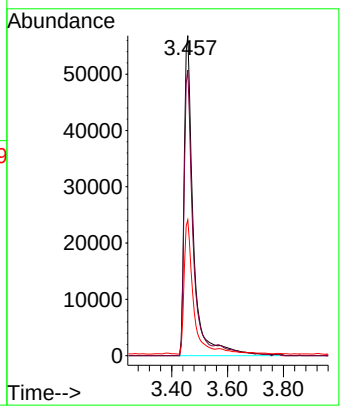




#3
Pyridine
Concen: 9.941 ng
RT: 3.457 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion: 79 Resp: 13128

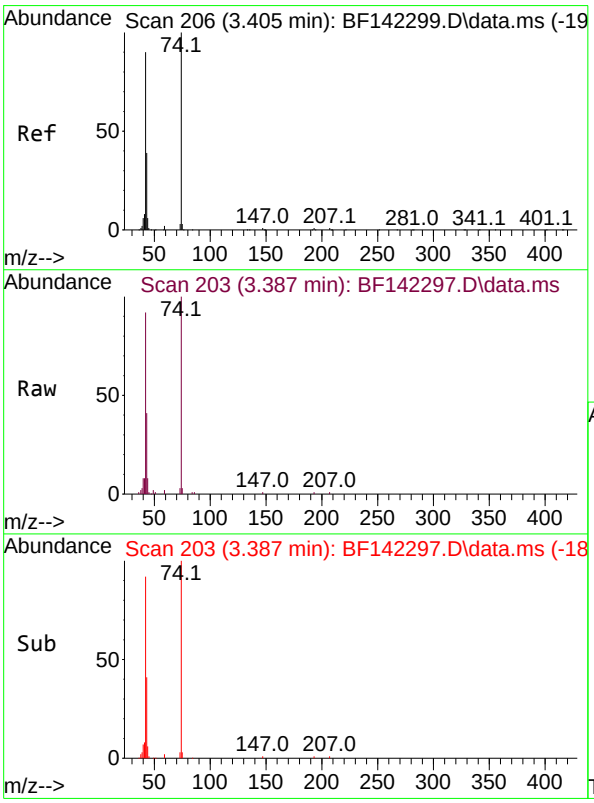
Ion	Ratio	Lower	Upper
79	100		
52	89.3	71.0	106.4
51	42.5	34.9	52.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

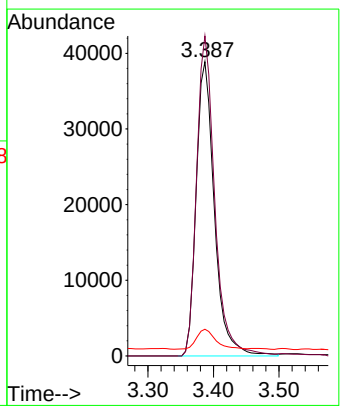
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

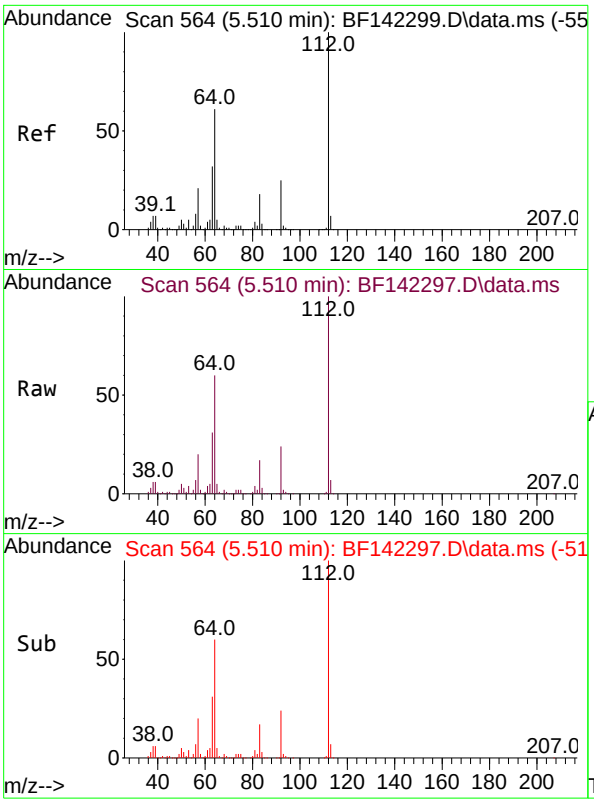


#4
n-Nitrosodimethylamine
Concen: 9.819 ng
RT: 3.387 min Scan# 203
Delta R.T. -0.018 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion: 42 Resp: 75254

Ion	Ratio	Lower	Upper
42	100		
74	108.7	88.5	132.7
44	9.1	5.8	8.8#





#5
2-Fluorophenol
Concen: 20.086 ng
RT: 5.510 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

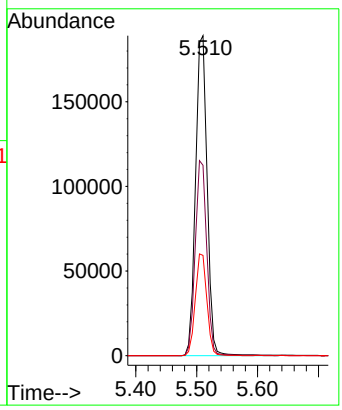
Tgt Ion:112 Resp: 25050

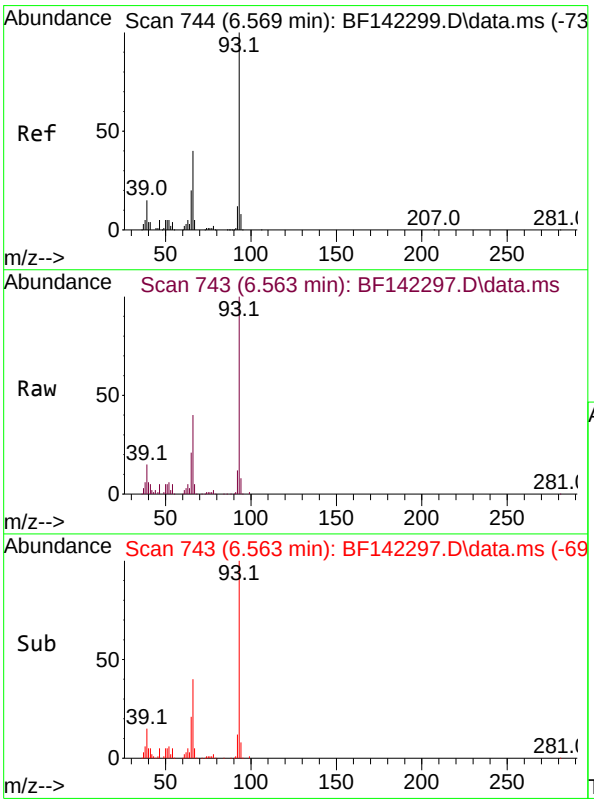
Ion	Ratio	Lower	Upper
112	100		
64	59.5	48.9	73.3
63	31.4	25.6	38.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

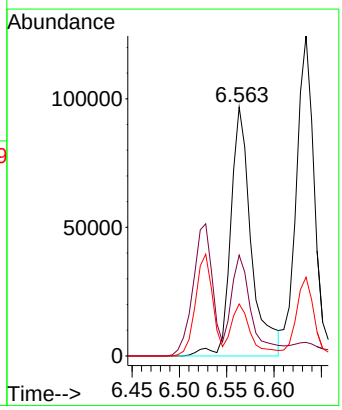


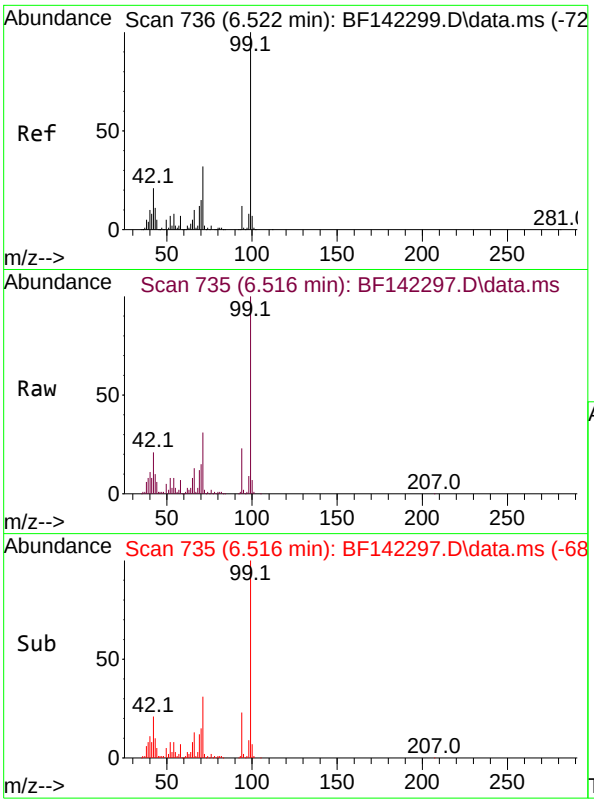


#6
Aniline
Concen: 9.690 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion: 93 Resp: 145801

Ion	Ratio	Lower	Upper
93	100		
66	40.5	32.2	48.4
65	20.9	16.3	24.5

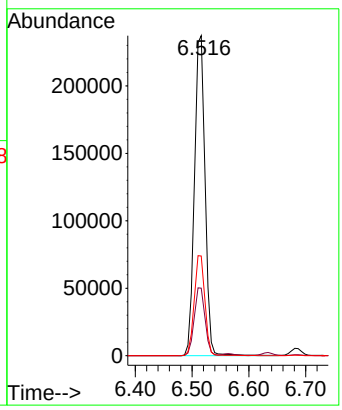




#7
Phenol-d6
Concen: 20.240 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion: 99 Resp: 31047

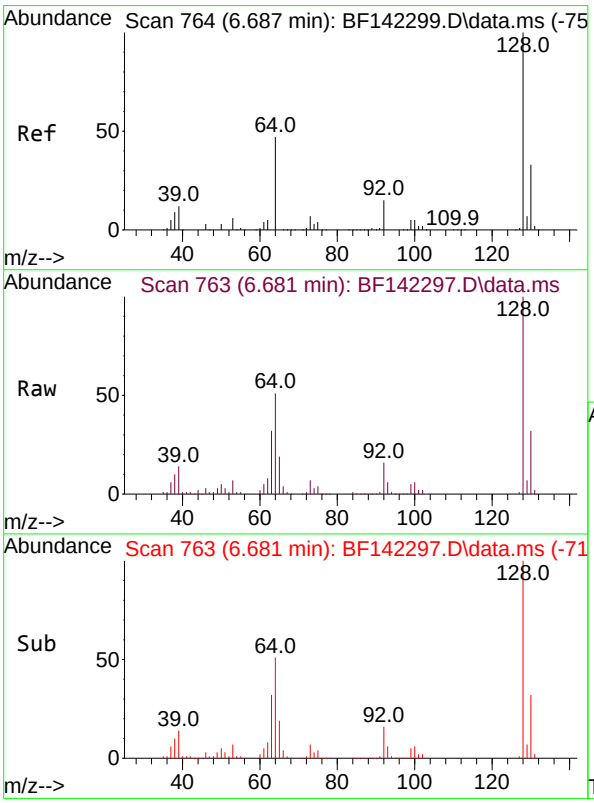
Ion	Ratio	Lower	Upper
99	100		
42	21.1	17.0	25.4
71	31.2	25.8	38.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

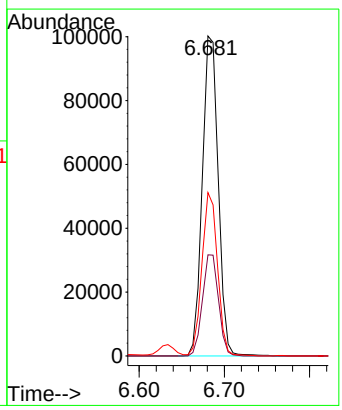
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

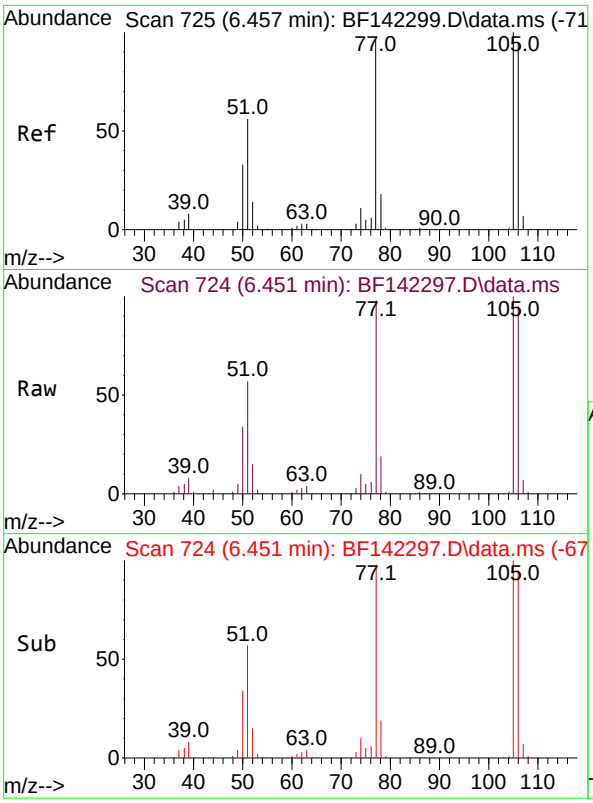


#8
2-Chlorophenol
Concen: 9.765 ng
RT: 6.681 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:128 Resp: 130151

Ion	Ratio	Lower	Upper
128	100		
130	31.6	12.7	52.7
64	51.0	29.2	69.2

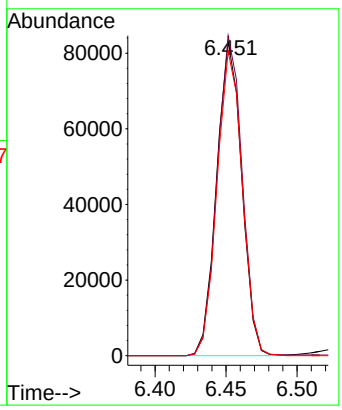




#9
Benzaldehyde
Concen: 11.371 ng
RT: 6.451 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion: 77 Resp: 10208

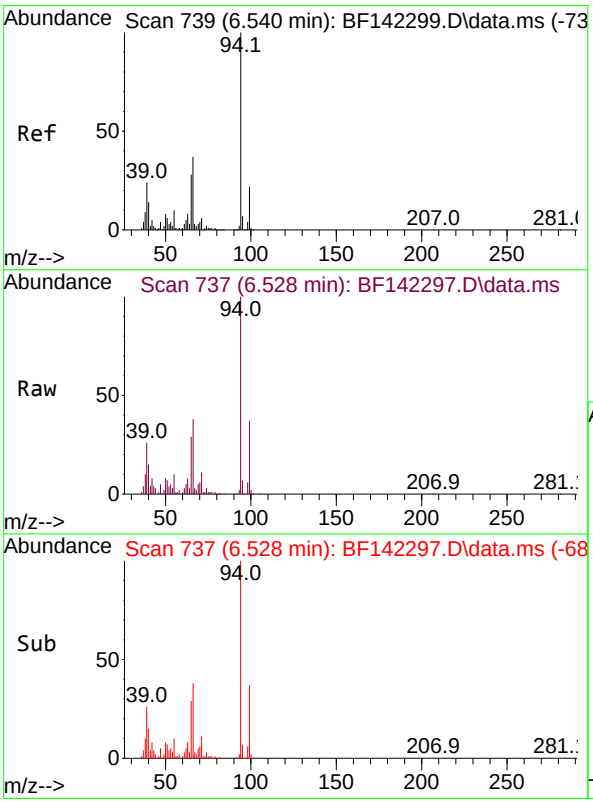
Ion	Ratio	Lower	Upper
77	100		
105	101.9	82.0	122.0
106	96.9	77.2	117.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

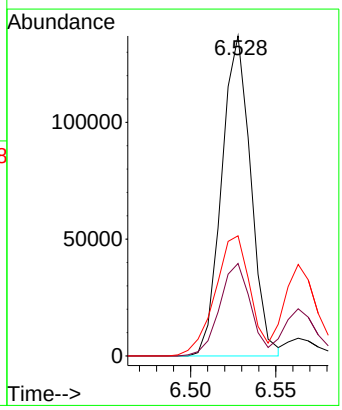
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

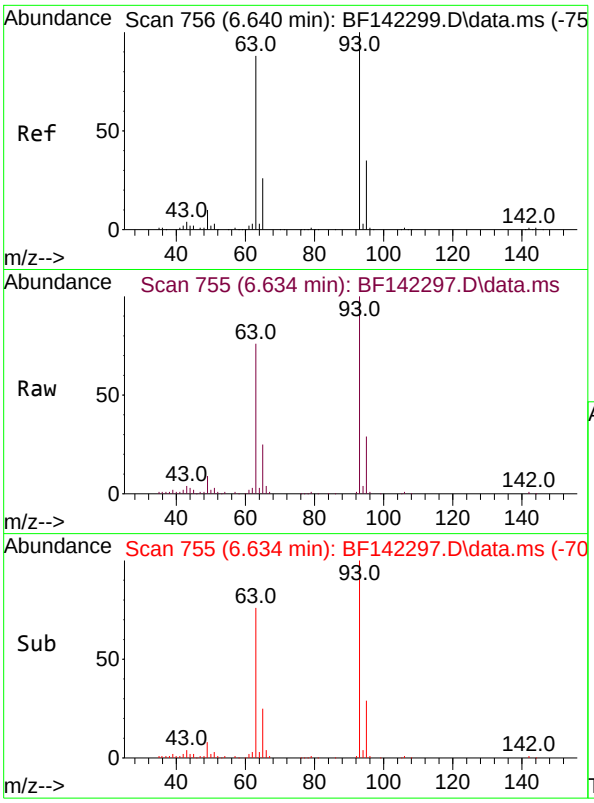


#10
Phenol
Concen: 10.003 ng
RT: 6.528 min Scan# 737
Delta R.T. -0.012 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion: 94 Resp: 162652

Ion	Ratio	Lower	Upper
94	100		
65	28.9	8.5	48.5
66	37.5	17.3	57.3

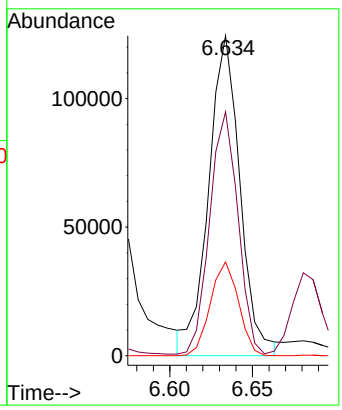




#11
bis(2-Chloroethyl)ether
Concen: 10.242 ng m
RT: 6.634 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion: 93 Resp: 16422

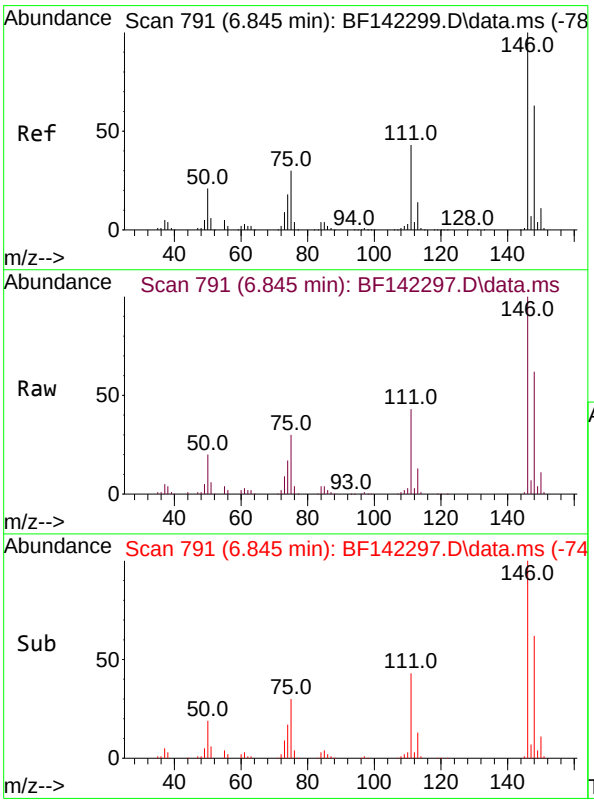
Ion	Ratio	Lower	Upper
93	100		
63	76.2	58.4	98.4
95	29.3	10.6	50.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

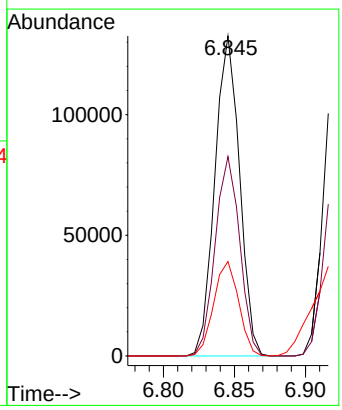
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

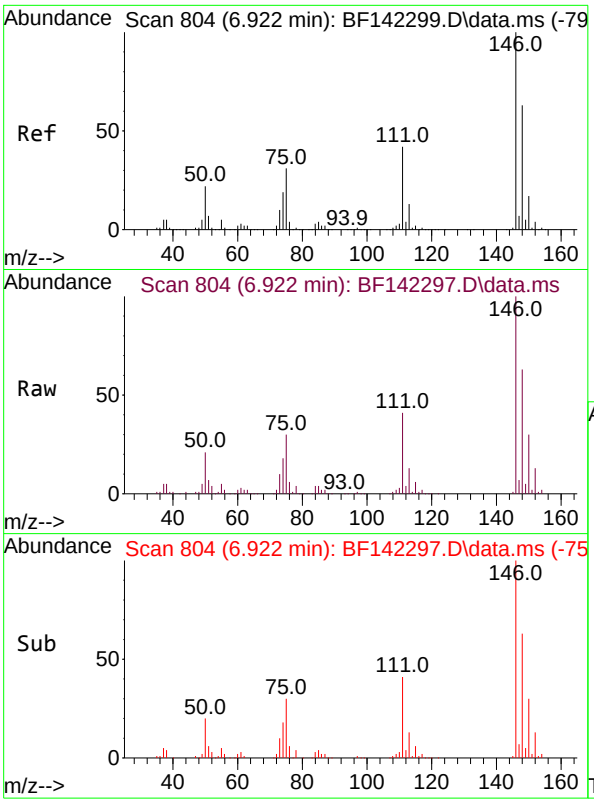


#12
1,3-Dichlorobenzene
Concen: 10.505 ng
RT: 6.845 min Scan# 791
Delta R.T. -0.000 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:146 Resp: 160179

Ion	Ratio	Lower	Upper
146	100		
148	62.3	50.6	76.0
75	29.5	24.2	36.4

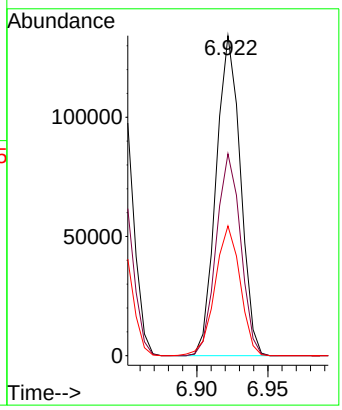




#13
1,4-Dichlorobenzene
Concen: 10.427 ng
RT: 6.922 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:146 Resp: 15962

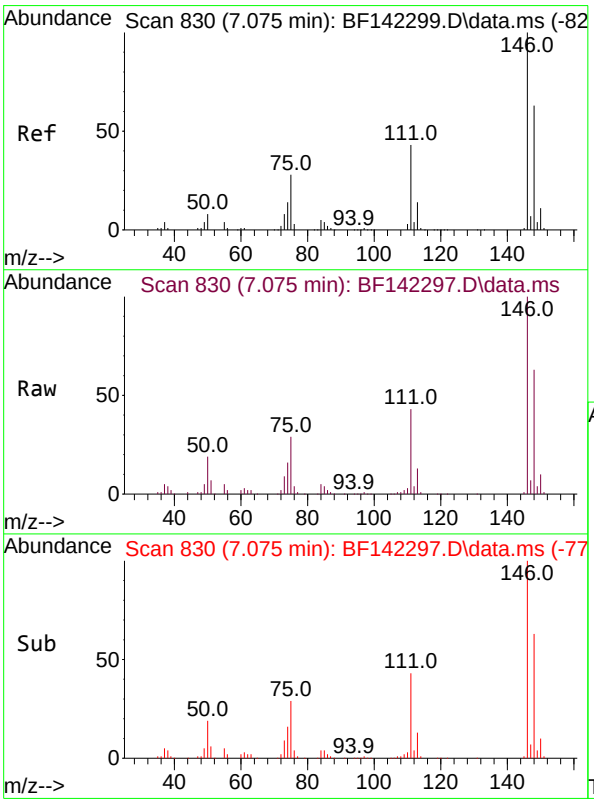
Ion	Ratio	Lower	Upper
146	100		
148	63.1	50.5	75.7
111	40.6	33.4	50.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

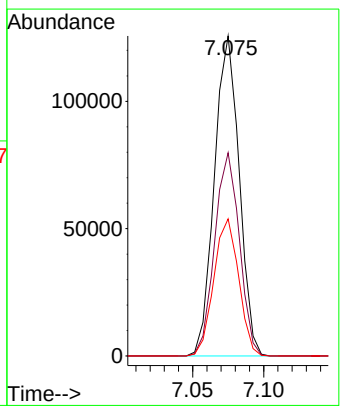
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

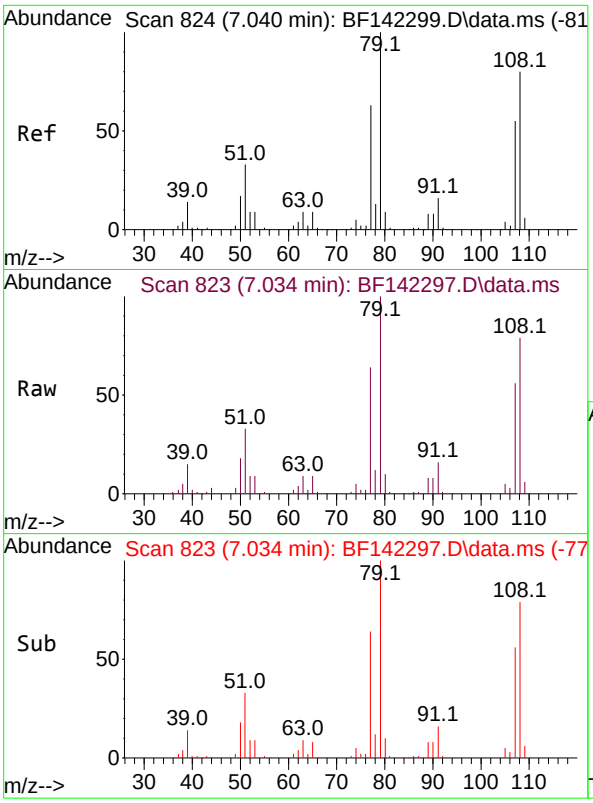


#14
1,2-Dichlorobenzene
Concen: 10.376 ng
RT: 7.075 min Scan# 830
Delta R.T. 0.000 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:146 Resp: 152479

Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.3	75.5
111	42.9	34.5	51.7

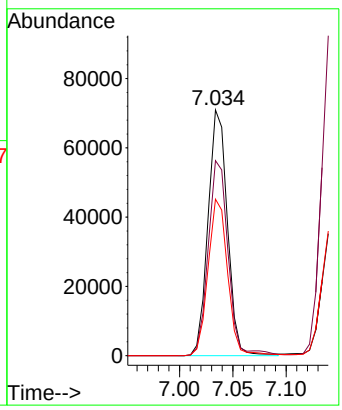




#15
Benzyl Alcohol
Concen: 9.040 ng
RT: 7.034 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion: 79 Resp: 8979

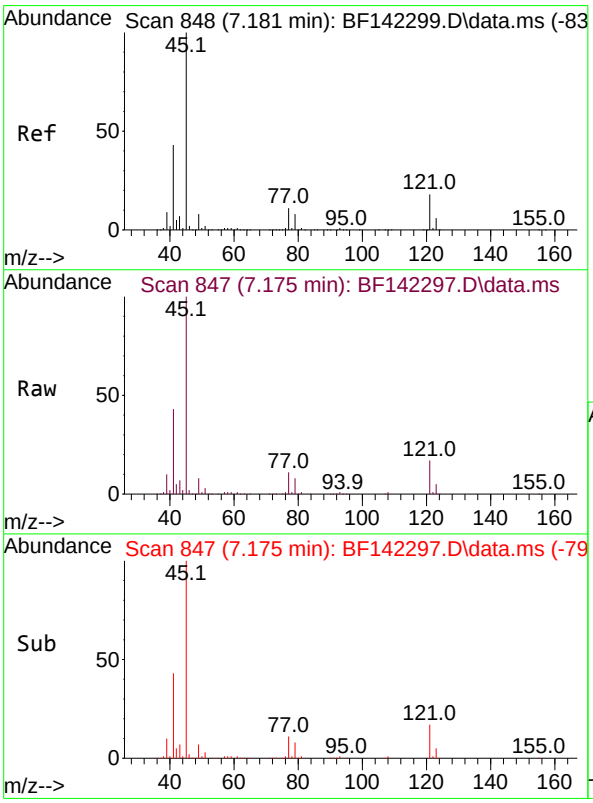
Ion	Ratio	Lower	Upper
79	100		
108	79.4	63.9	95.9
77	63.7	50.7	76.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

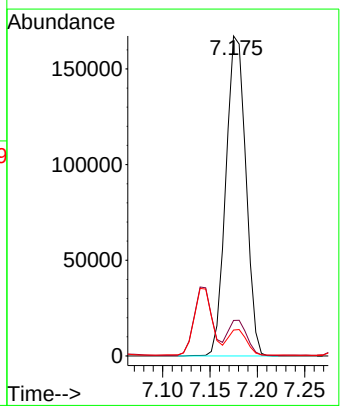
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

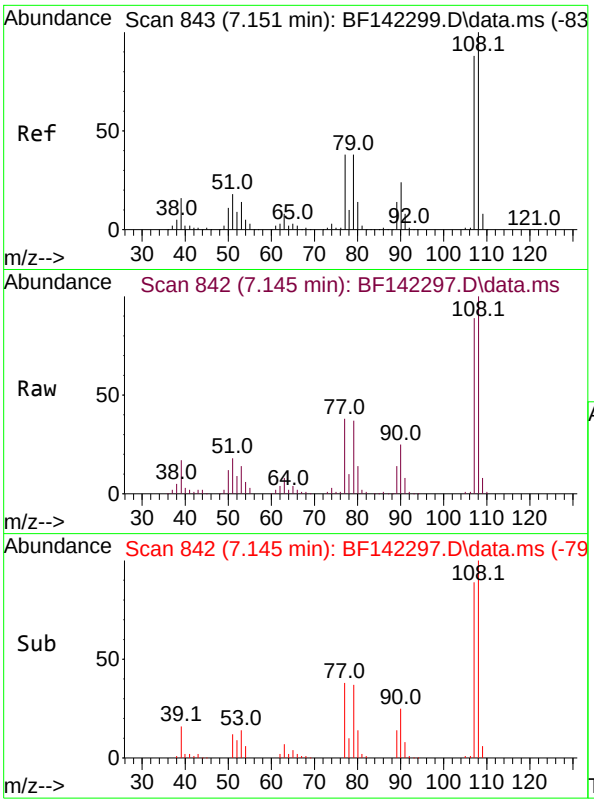


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.270 ng
RT: 7.175 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion: 45 Resp: 245918

Ion	Ratio	Lower	Upper
45	100		
77	11.1	0.0	31.2
79	8.1	0.0	28.5

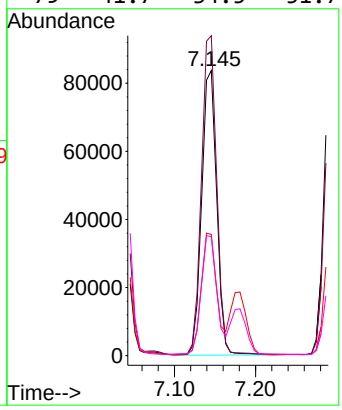




#17
2-Methylphenol
Concen: 9.947 ng
RT: 7.145 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:107 Resp: 10733

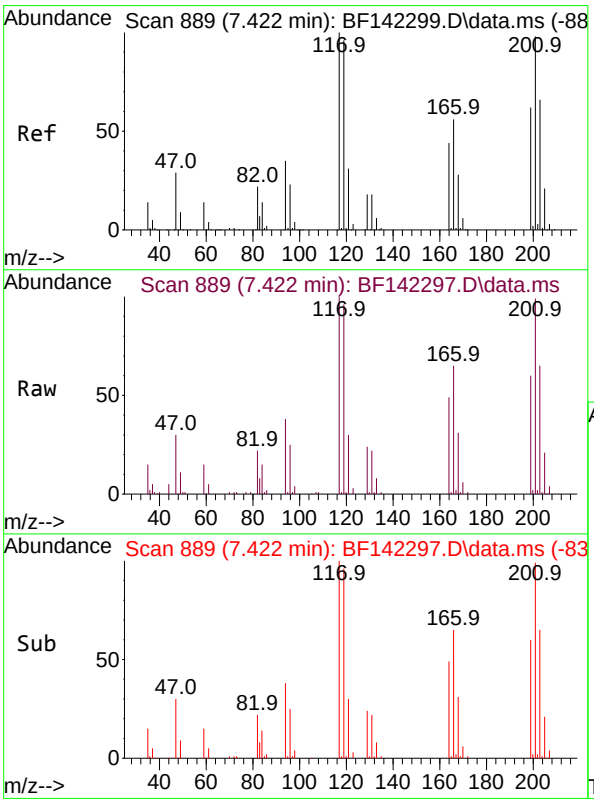
Ion	Ratio	Lower	Upper
107	100		
108	112.2	91.1	136.7
77	42.5	34.7	52.1
79	41.7	34.5	51.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

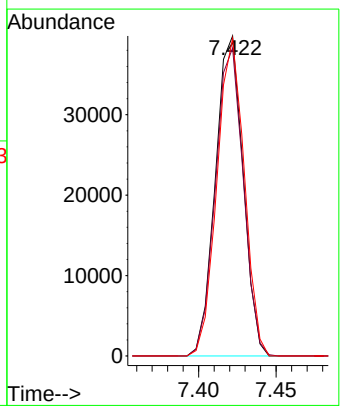
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

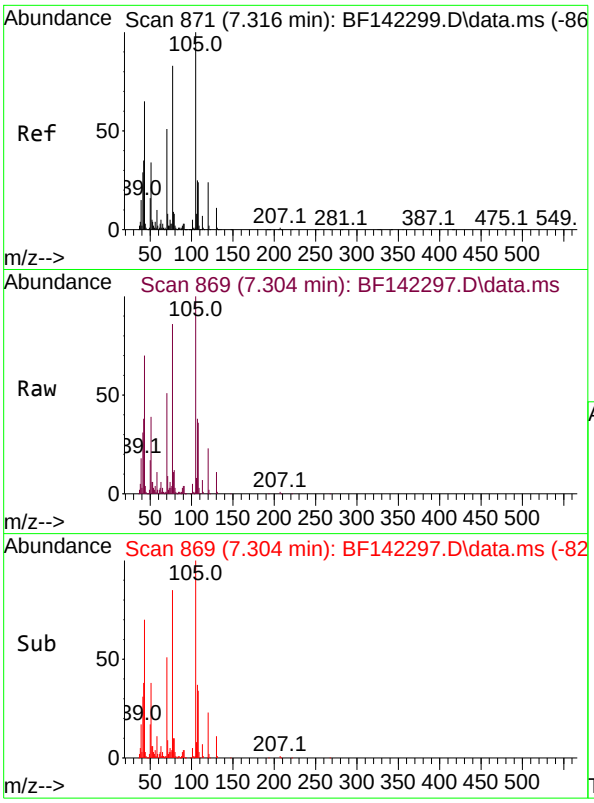


#18
Hexachloroethane
Concen: 9.702 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.000 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:117 Resp: 49420

Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.9	115.3
201	99.2	78.0	117.0

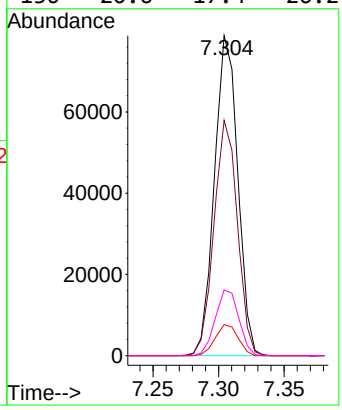




#19
n-Nitroso-di-n-propylamine
Concen: 10.264 ng
RT: 7.304 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion: 70 Resp: 9739

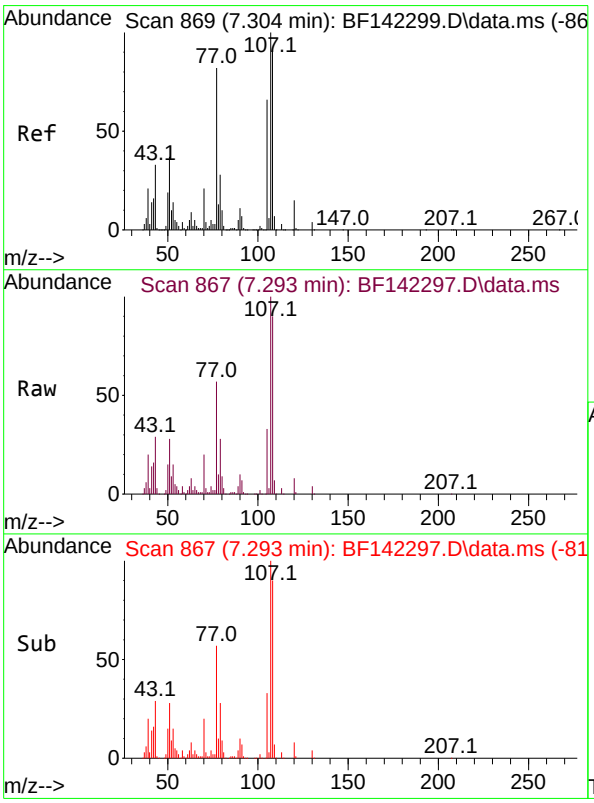
Ion	Ratio	Lower	Upper
70	100		
42	73.5	54.8	82.2
101	9.7	7.7	11.5
130	20.6	17.4	26.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

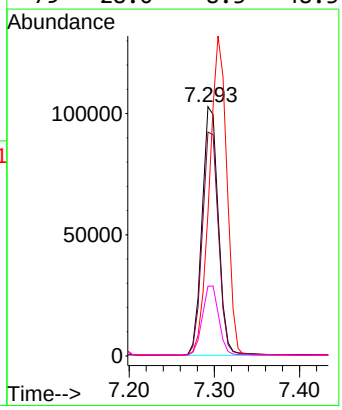
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

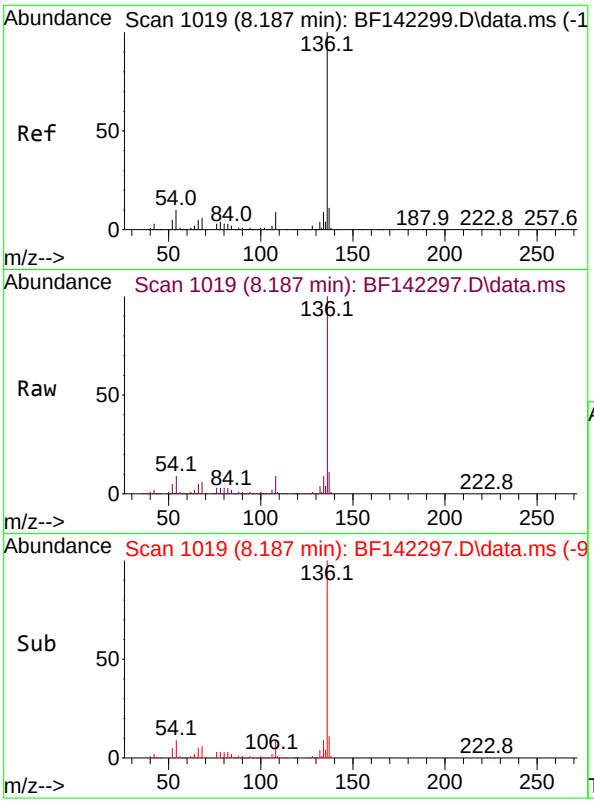


#20
3+4-Methylphenols
Concen: 10.127 ng
RT: 7.293 min Scan# 867
Delta R.T. -0.012 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:107 Resp: 136376

Ion	Ratio	Lower	Upper
107	100		
108	89.8	71.5	111.5
77	57.2	61.6	101.6#
79	28.0	8.3	48.3

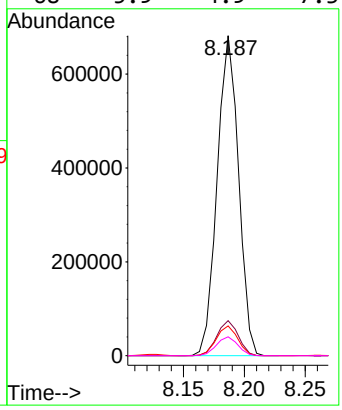




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:136 Resp: 83402

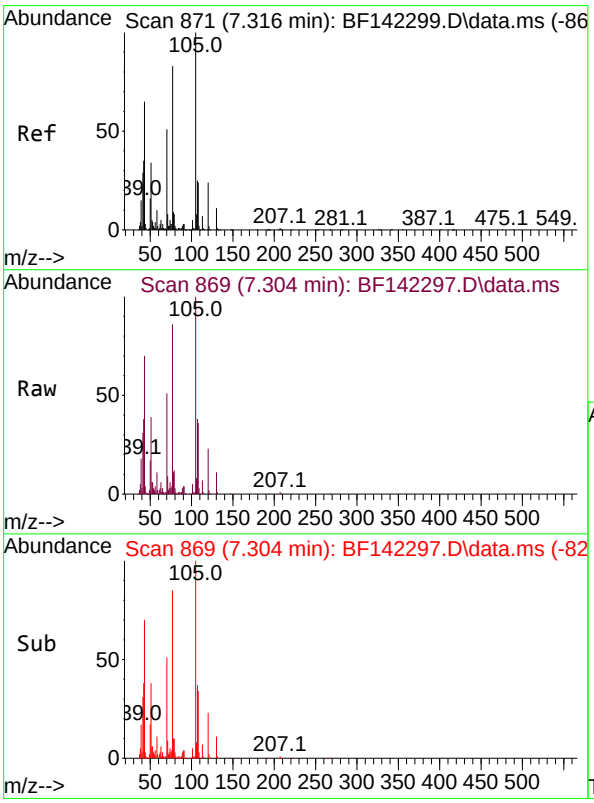
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	9.3	7.7	11.5
68	5.9	4.9	7.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

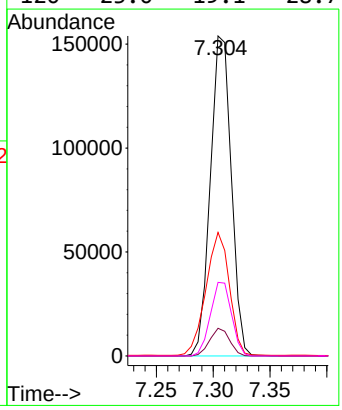
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

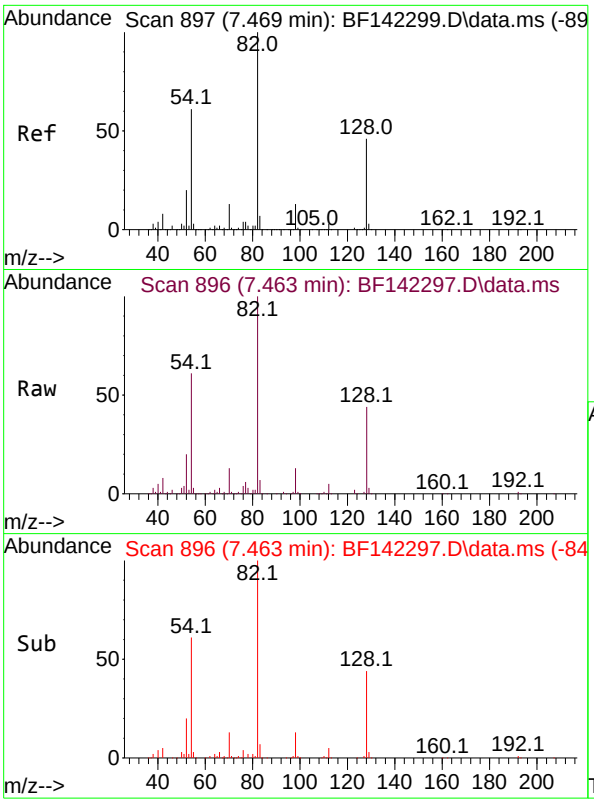


#22
Acetophenone
Concen: 10.662 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:105 Resp: 197710

Ion	Ratio	Lower	Upper
105	100		
71	8.6	6.7	10.1
51	38.6	27.6	41.4
120	23.0	19.1	28.7





#23
Nitrobenzene-d5
Concen: 18.533 ng
RT: 7.463 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

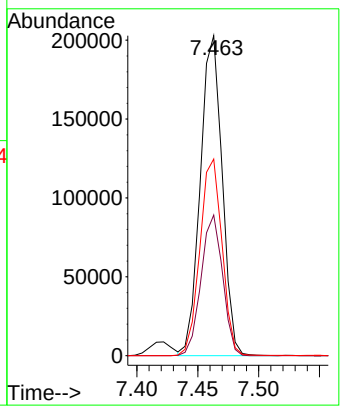
Tgt Ion: 82 Resp: 25345

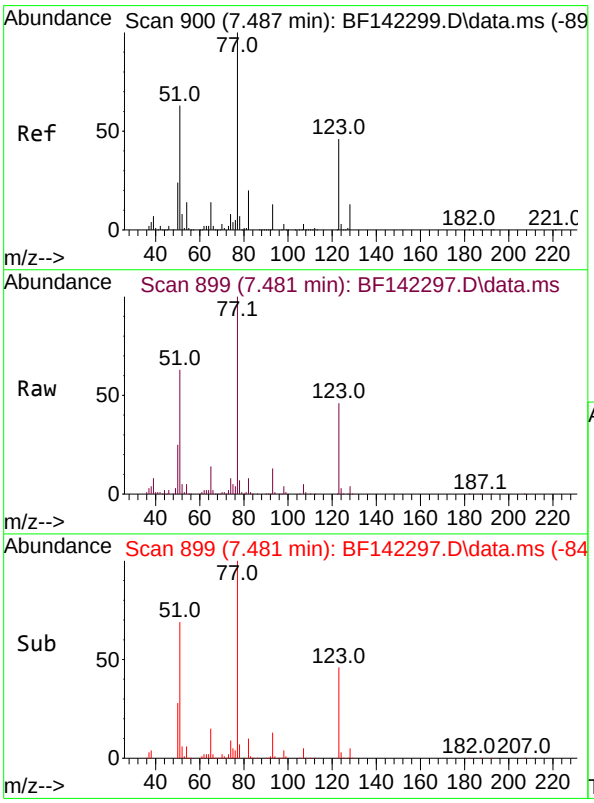
Ion	Ratio	Lower	Upper
82	100		
128	43.9	37.0	55.6
54	61.4	48.6	73.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

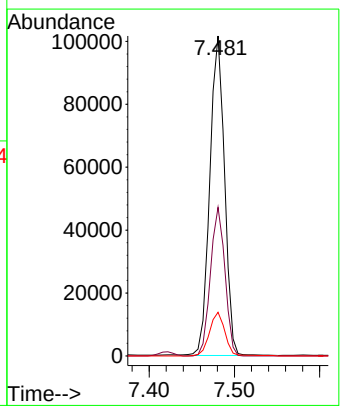


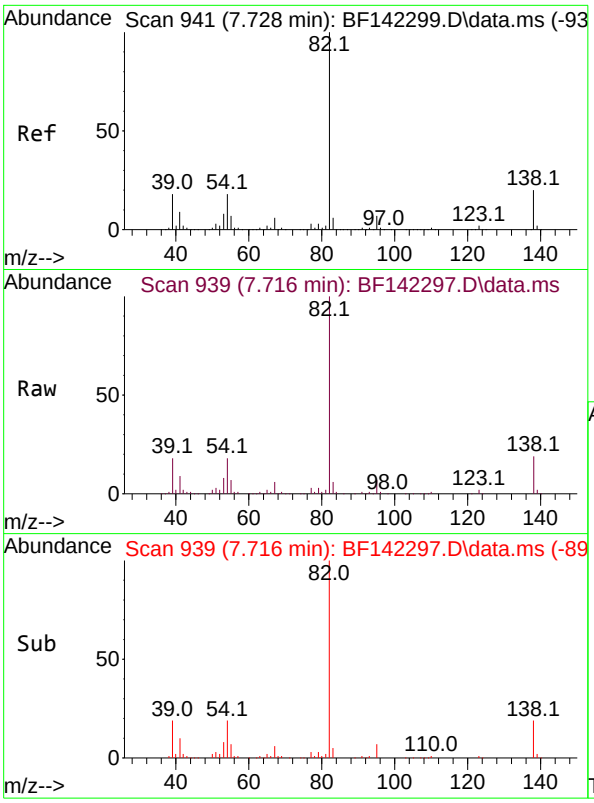


#24
Nitrobenzene
Concen: 9.485 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion: 77 Resp: 122267

Ion	Ratio	Lower	Upper
77	100		
123	46.4	37.8	56.8
65	13.6	11.4	17.0

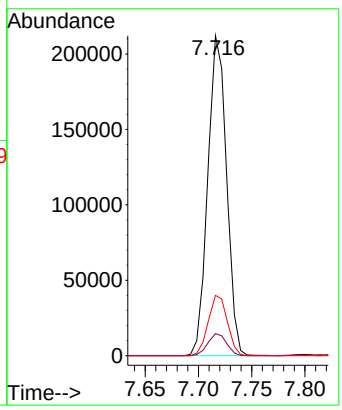




#25
Isophorone
Concen: 10.039 ng
RT: 7.716 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion: 82 Resp: 25996

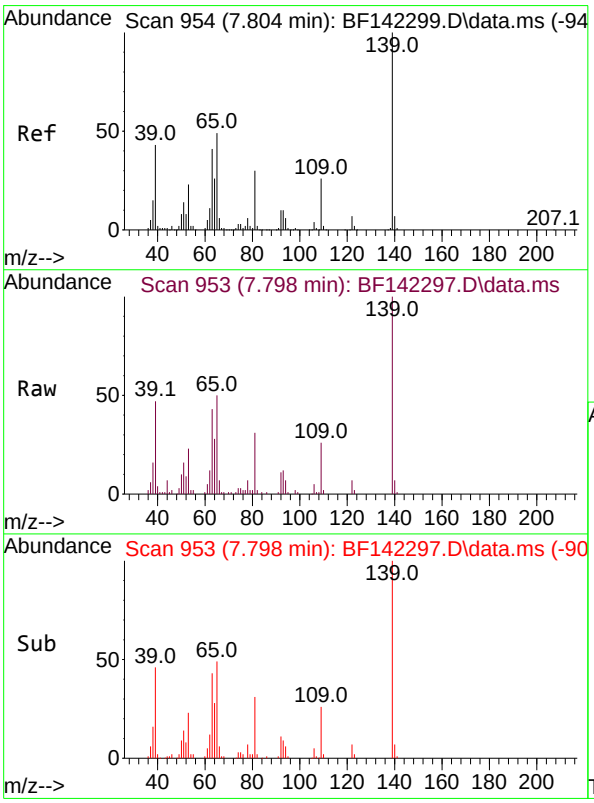
Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.8	8.8
138	18.9	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

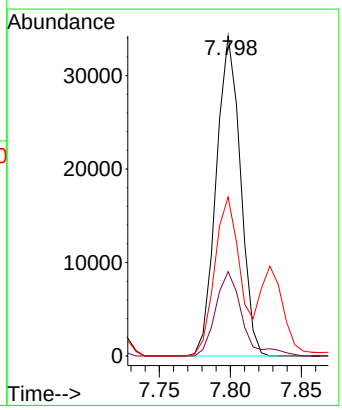
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

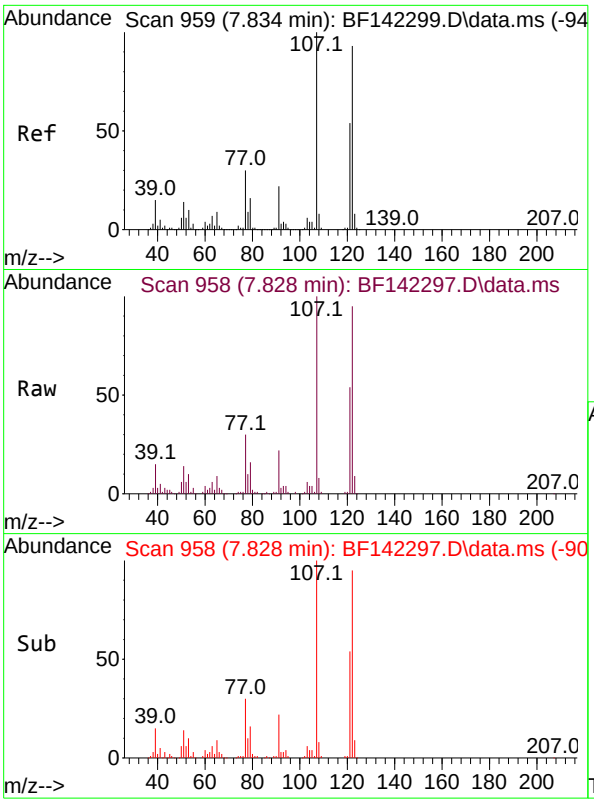


#26
2-Nitrophenol
Concen: 10.066 ng
RT: 7.798 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:139 Resp: 40609

Ion	Ratio	Lower	Upper
139	100		
109	26.3	20.8	31.2
65	49.6	38.9	58.3

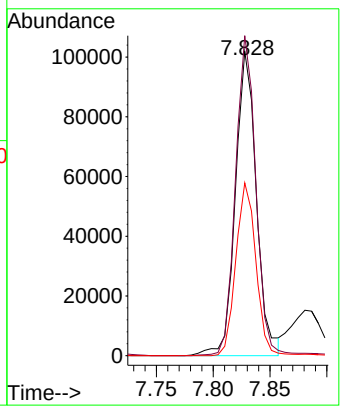




#27
2,4-Dimethylphenol
Concen: 10.068 ng
RT: 7.828 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:122 Resp: 13107

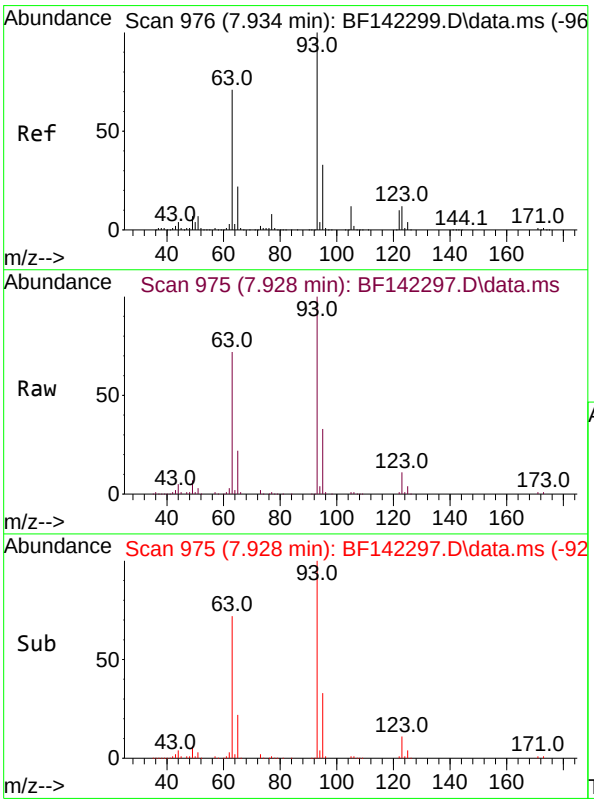
Ion	Ratio	Lower	Upper
122	100		
107	105.2	86.0	129.0
121	56.8	46.2	69.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

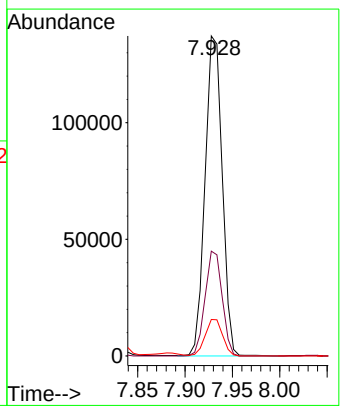
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

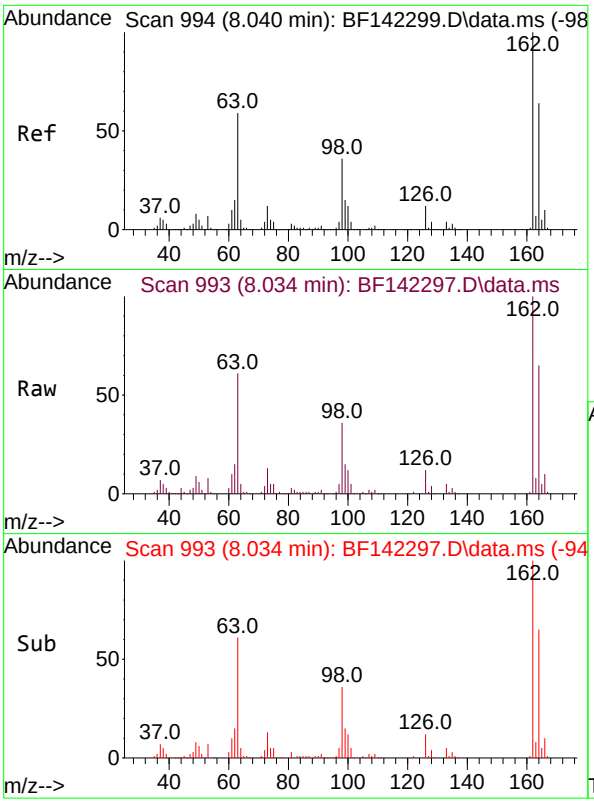


#28
bis(2-Chloroethoxy)methane
Concen: 10.373 ng
RT: 7.928 min Scan# 975
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion: 93 Resp: 172734

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.1	39.1
123	11.4	10.2	15.4

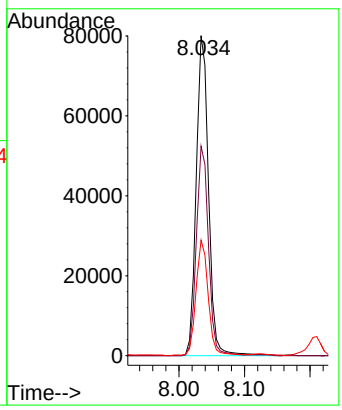




#29
2,4-Dichlorophenol
Concen: 9.468 ng
RT: 8.034 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:162 Resp: 10480

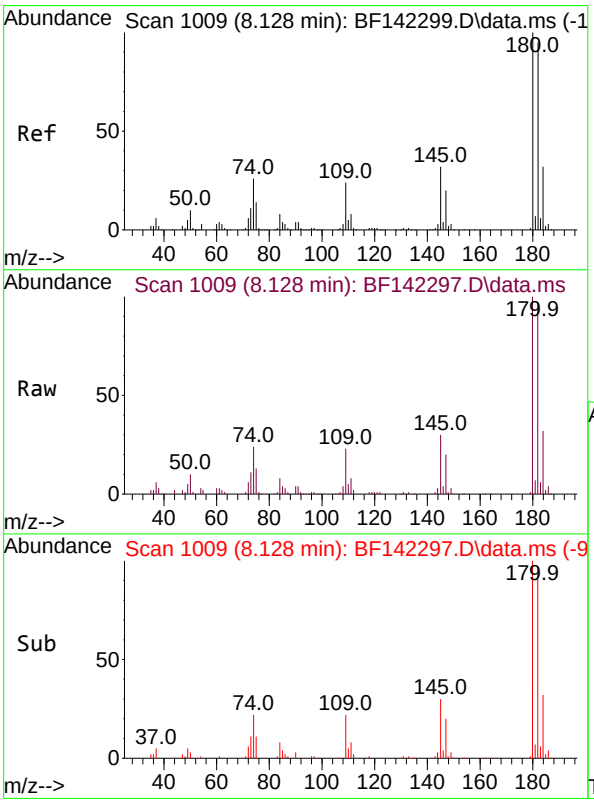
Ion	Ratio	Lower	Upper
162	100		
164	65.5	43.6	83.6
98	36.1	16.5	56.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

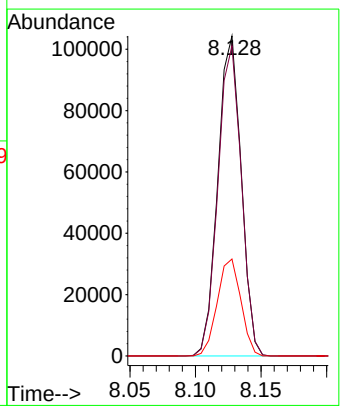
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

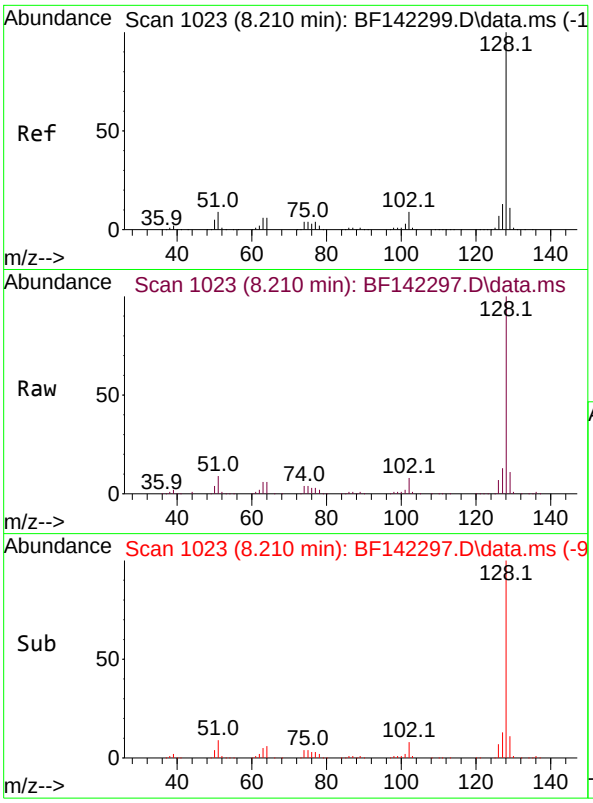


#30
1,2,4-Trichlorobenzene
Concen: 10.358 ng
RT: 8.128 min Scan# 1009
Delta R.T. -0.000 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:180 Resp: 129041

Ion	Ratio	Lower	Upper
180	100		
182	96.9	76.2	114.4
145	30.3	25.8	38.6





#31
Naphthalene
Concen: 10.638 ng
RT: 8.210 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

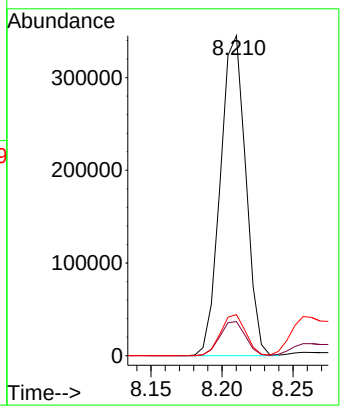
Tgt Ion:128 Resp: 42999(

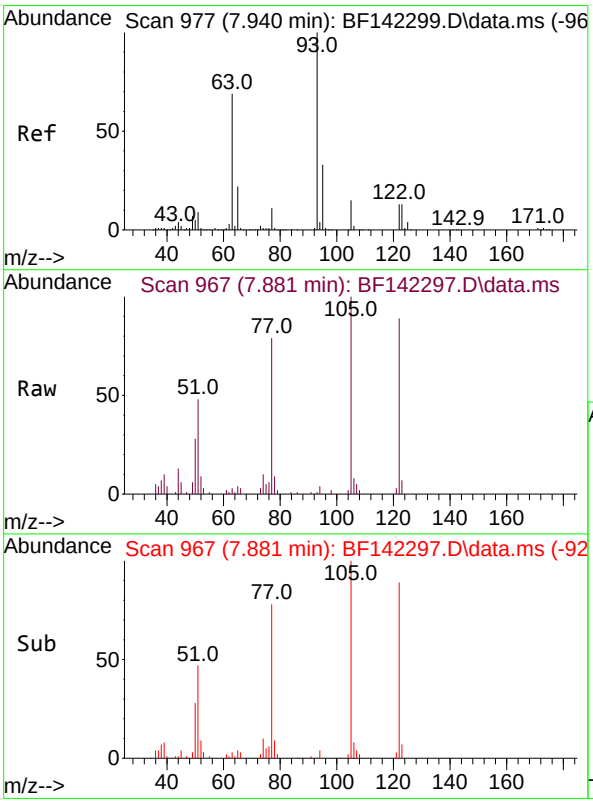
Ion	Ratio	Lower	Upper
128	100		
129	10.7	9.1	13.7
127	12.8	10.5	15.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

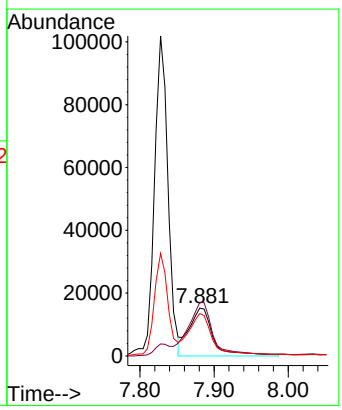


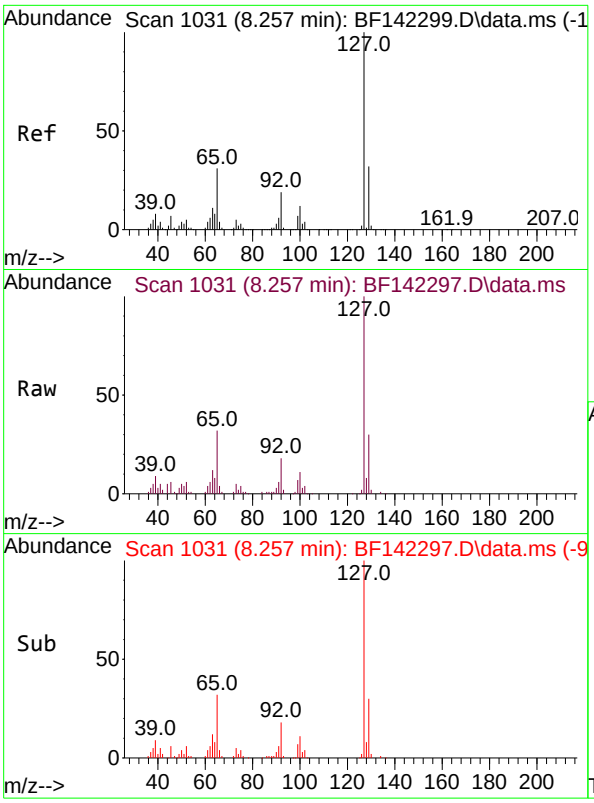


#32
Benzoic acid
Concen: 11.080 ng m
RT: 7.881 min Scan# 967
Delta R.T. -0.059 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:122 Resp: 35000

Ion	Ratio	Lower	Upper
122	100		
105	112.0	97.9	137.9
77	88.5	67.7	107.7

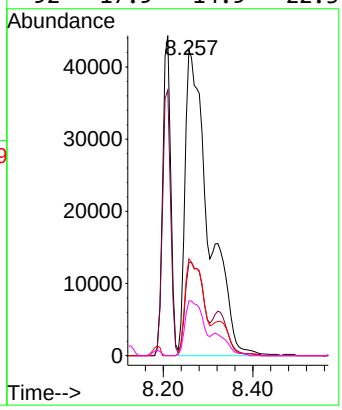




#33
4-Chloroaniline
Concen: 9.438 ng m
RT: 8.257 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:127 Resp: 15538

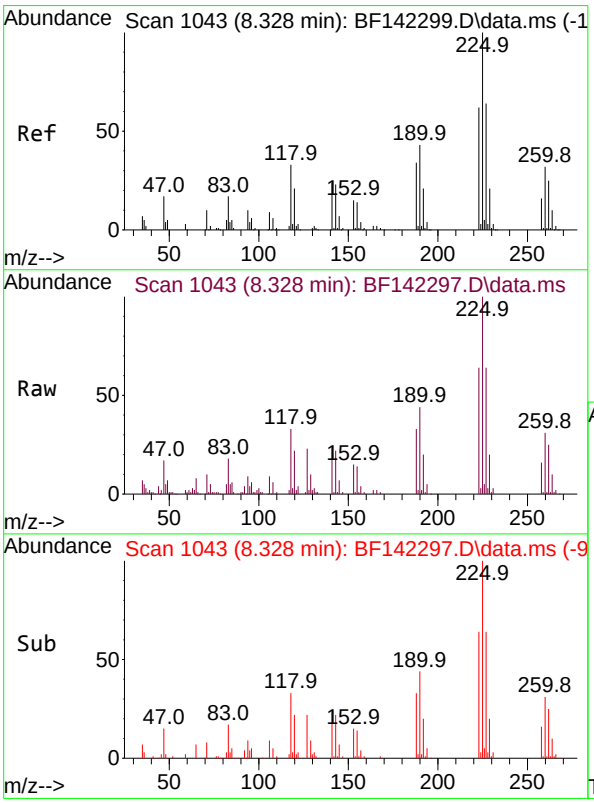
Ion	Ratio	Lower	Upper
127	100		
129	30.4	25.7	38.5
65	31.6	24.9	37.3
92	17.9	14.9	22.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

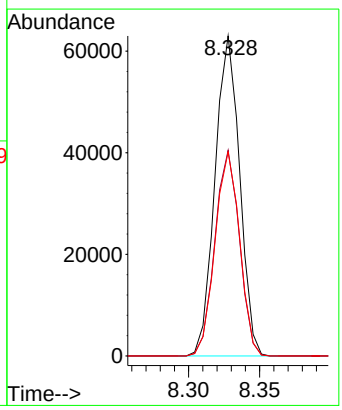
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

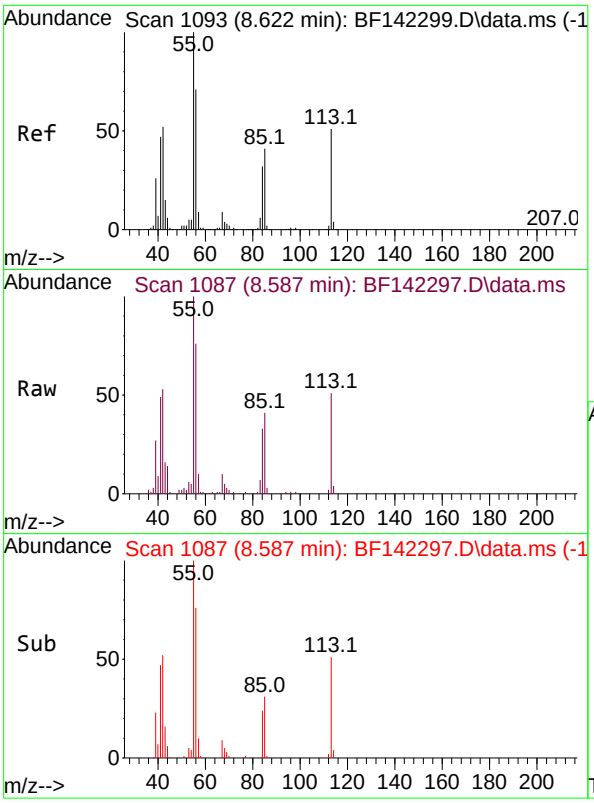


#34
Hexachlorobutadiene
Concen: 10.292 ng
RT: 8.328 min Scan# 1043
Delta R.T. 0.000 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:225 Resp: 75921

Ion	Ratio	Lower	Upper
225	100		
223	64.3	49.8	74.6
227	63.7	50.9	76.3

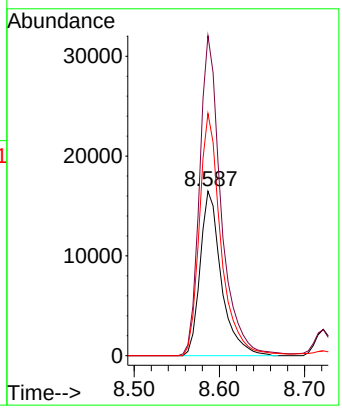




#35
Caprolactam
Concen: 8.834 ng
RT: 8.587 min Scan# 1
Delta R.T. -0.035 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:113 Resp: 2843

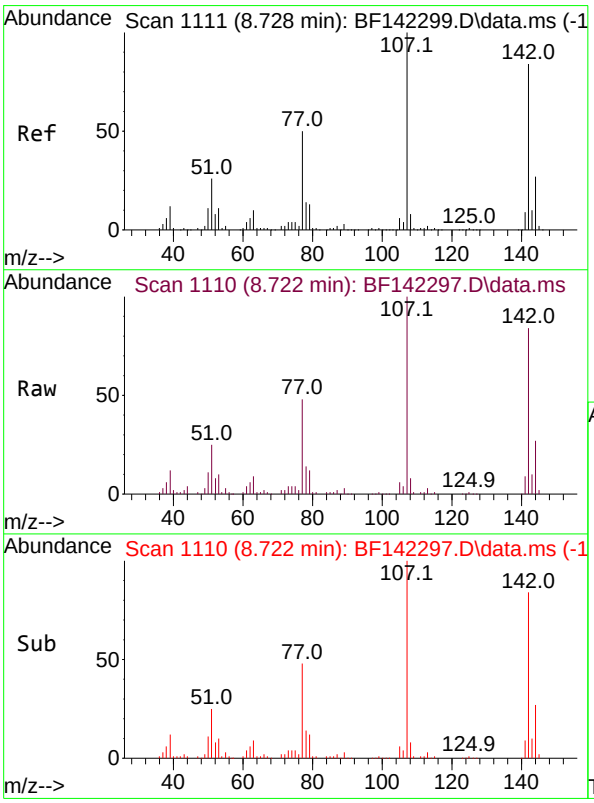
Ion	Ratio	Lower	Upper
113	100		
55	194.5	176.4	216.4
56	147.3	120.3	160.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

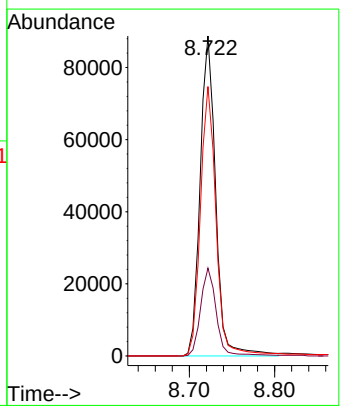
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

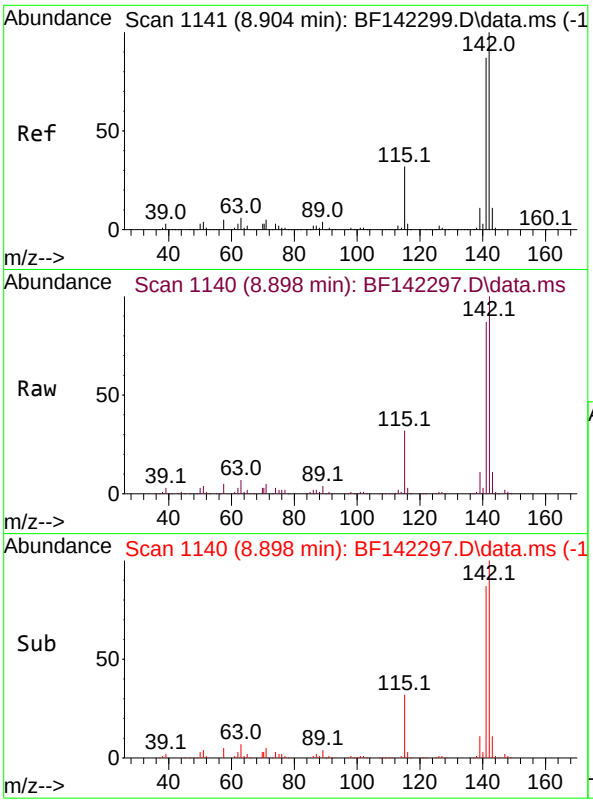


#36
4-Chloro-3-methylphenol
Concen: 9.800 ng
RT: 8.722 min Scan# 1110
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:107 Resp: 112762

Ion	Ratio	Lower	Upper
107	100		
144	27.5	21.3	31.9
142	84.2	66.9	100.3

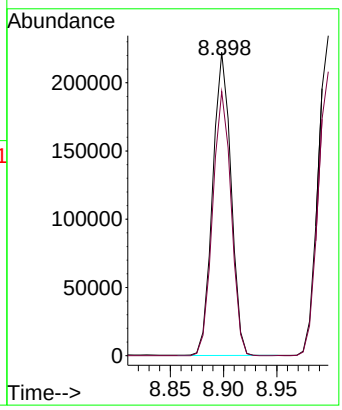




#37
2-Methylnaphthalene
Concen: 10.564 ng
RT: 8.898 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:142 Resp: 26532

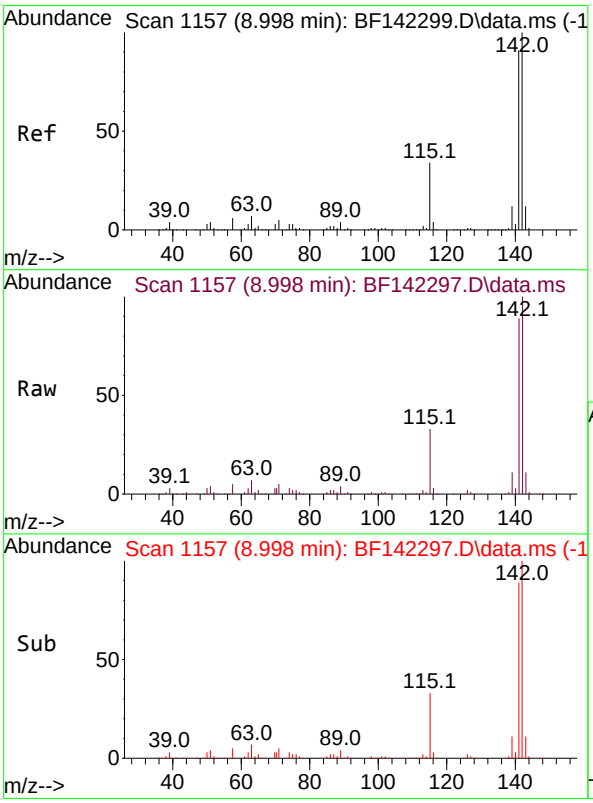
Ion	Ratio	Lower	Upper
142	100		
141	87.1	69.4	104.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

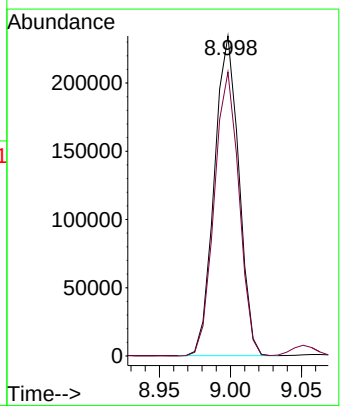
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

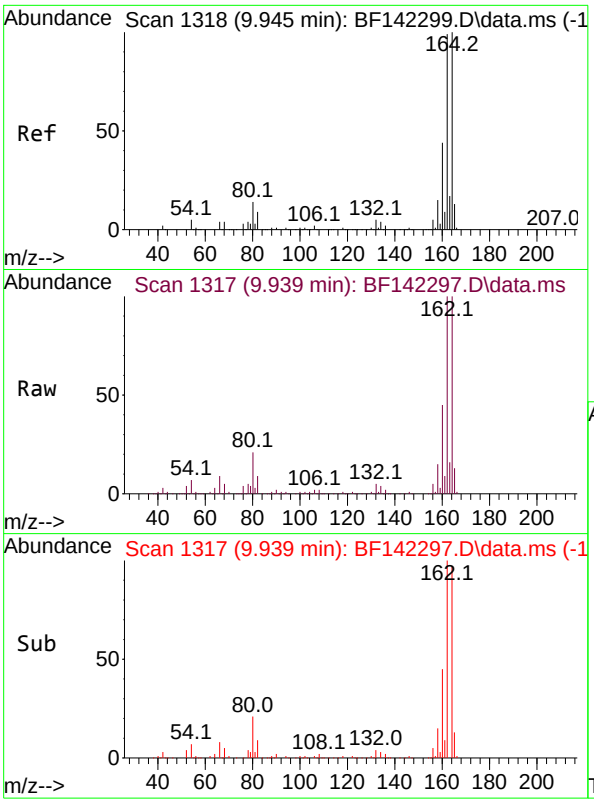


#38
1-Methylnaphthalene
Concen: 10.745 ng
RT: 8.998 min Scan# 1157
Delta R.T. -0.000 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:142 Resp: 281289

Ion	Ratio	Lower	Upper
142	100		
141	88.8	72.5	108.7

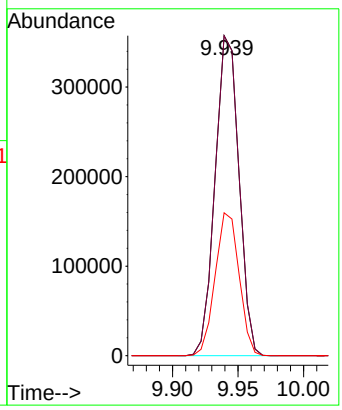




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:164 Resp: 45165

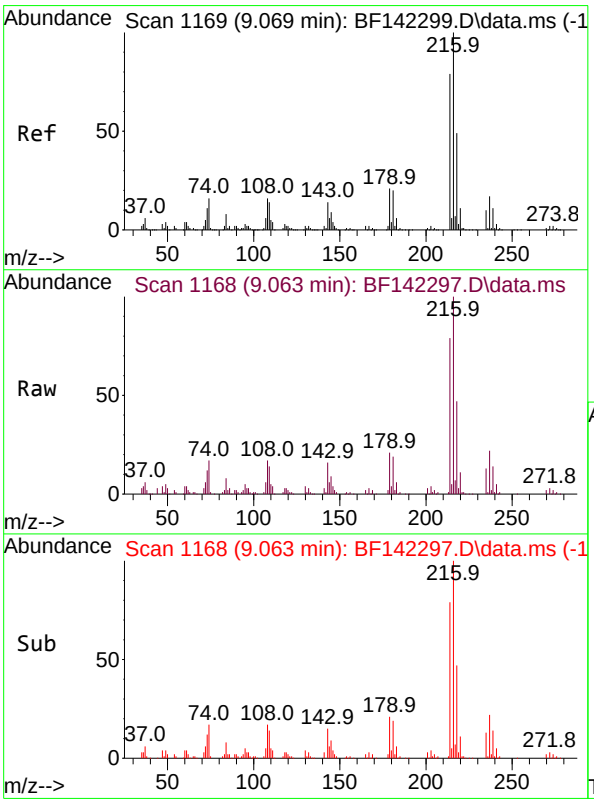
Ion	Ratio	Lower	Upper
164	100		
162	99.9	79.2	118.8
160	44.7	35.3	52.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

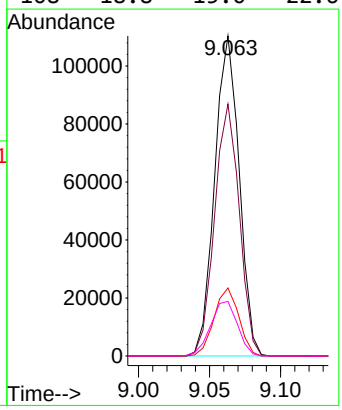
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

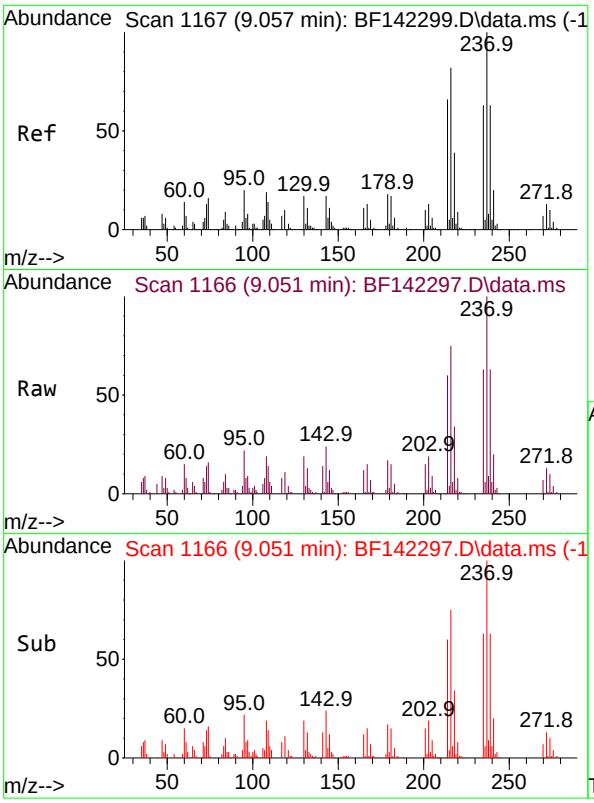


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.492 ng
RT: 9.063 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:216 Resp: 132346

Ion	Ratio	Lower	Upper
216	100		
214	79.1	63.8	95.6
179	21.5	17.0	25.6
108	18.8	15.0	22.6

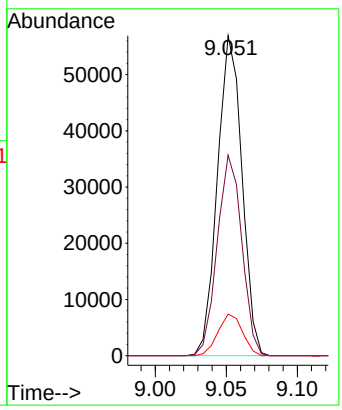




#41
Hexachlorocyclopentadiene
Concen: 8.764 ng
RT: 9.051 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:237 Resp: 6832

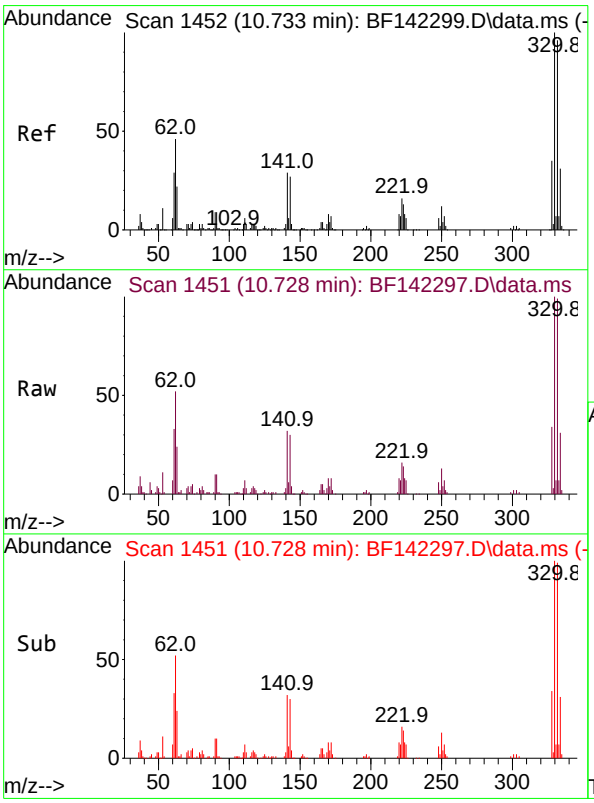
Ion	Ratio	Lower	Upper
237	100		
235	62.6	42.8	82.8
272	13.0	0.0	33.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

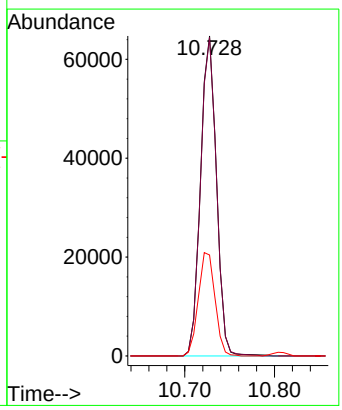
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

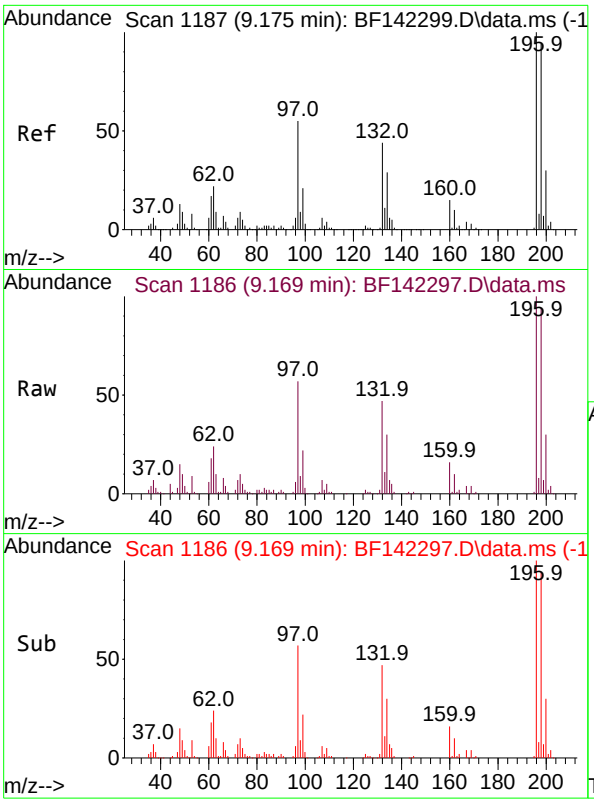


#42
2,4,6-Tribromophenol
Concen: 18.247 ng
RT: 10.728 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:330 Resp: 79570

Ion	Ratio	Lower	Upper
330	100		
332	99.3	76.8	115.2
141	34.0	24.9	37.3

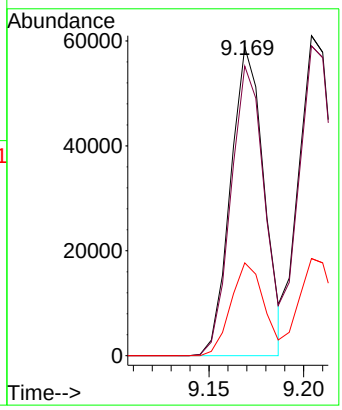




#43
2,4,6-Trichlorophenol
Concen: 9.078 ng
RT: 9.169 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:196 Resp: 7223

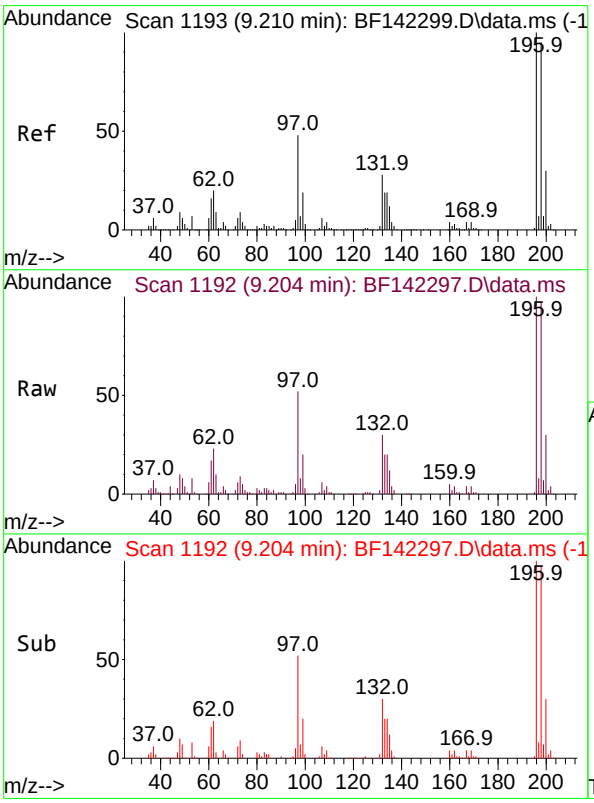
Ion	Ratio	Lower	Upper
196	100		
198	93.8	75.4	113.0
200	30.0	24.3	36.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

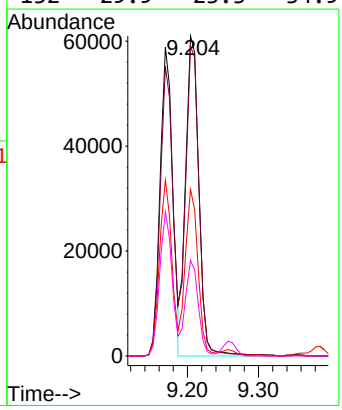
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

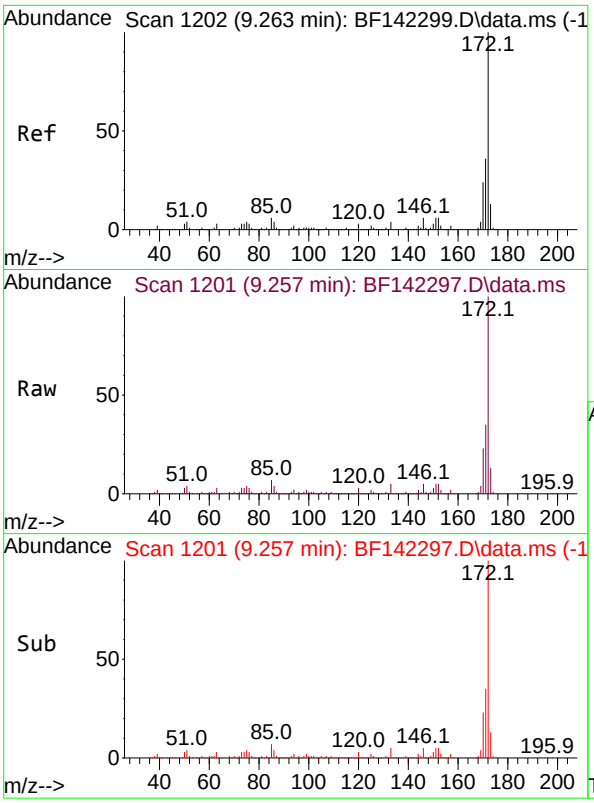


#44
2,4,5-Trichlorophenol
Concen: 9.429 ng
RT: 9.204 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:196 Resp: 79827

Ion	Ratio	Lower	Upper
196	100		
198	96.8	76.1	114.1
97	52.1	39.0	58.4
132	29.9	23.3	34.9

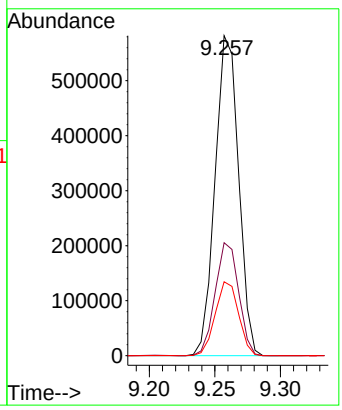




#45
2-Fluorobiphenyl
Concen: 22.888 ng
RT: 9.257 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:172 Resp: 72500

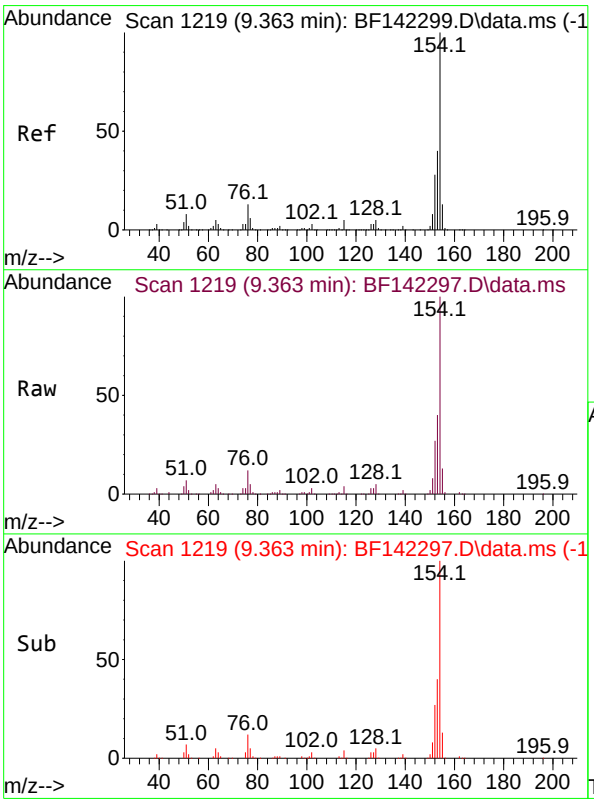
Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.6	42.8
170	23.1	19.0	28.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

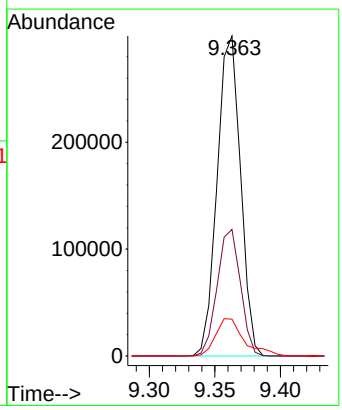
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

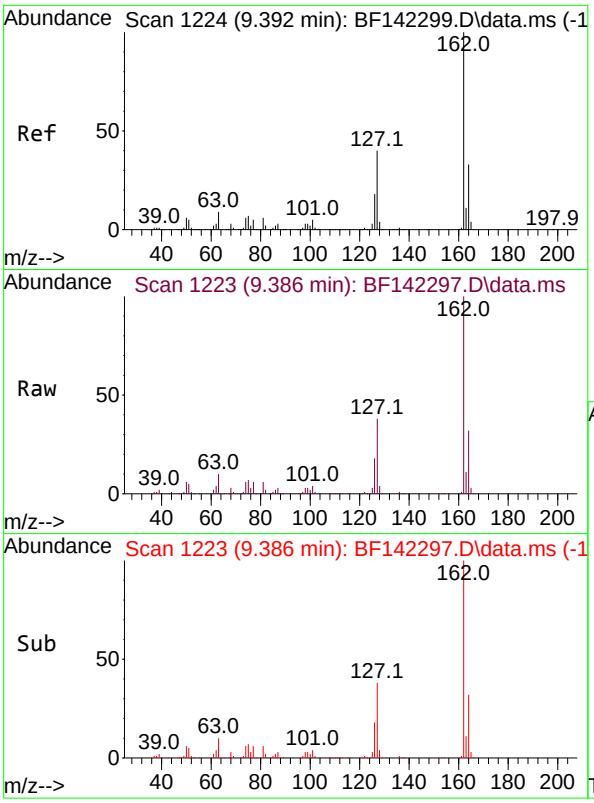


#46
1,1'-Biphenyl
Concen: 10.702 ng
RT: 9.363 min Scan# 1219
Delta R.T. -0.000 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:154 Resp: 370629

Ion	Ratio	Lower	Upper
154	100		
153	39.6	20.5	60.5
76	11.5	0.0	32.8

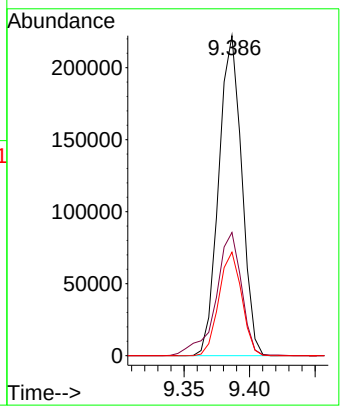




#47
2-Chloronaphthalene
Concen: 10.503 ng
RT: 9.386 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:162 Resp: 27050

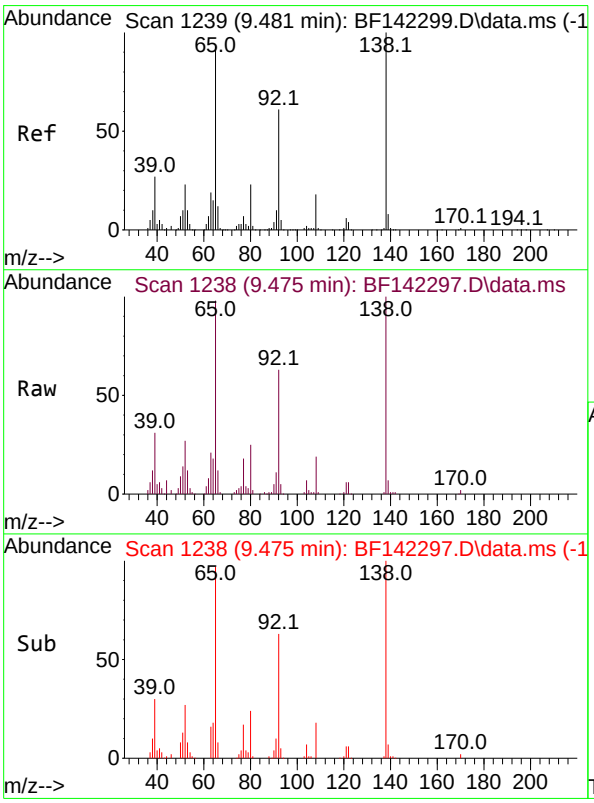
Ion	Ratio	Lower	Upper
162	100		
127	38.5	32.3	48.5
164	32.4	26.6	40.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

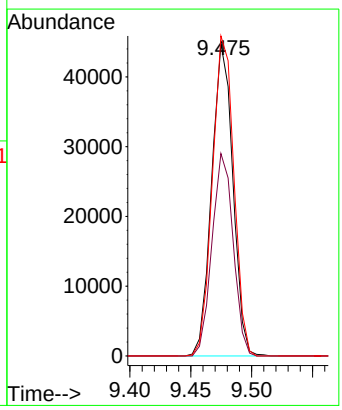
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

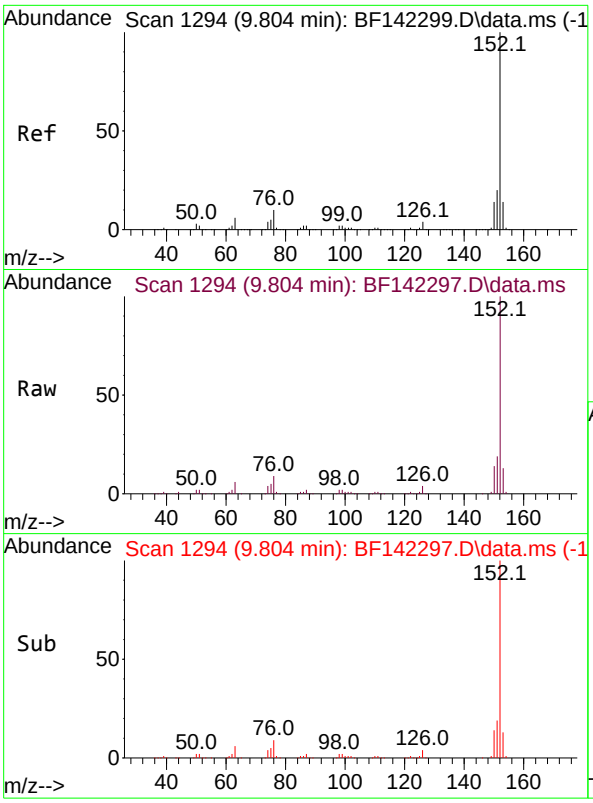


#48
2-Nitroaniline
Concen: 8.208 ng
RT: 9.475 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion: 65 Resp: 54180

Ion	Ratio	Lower	Upper
65	100		
92	64.8	52.3	78.5
138	102.5	85.6	128.4

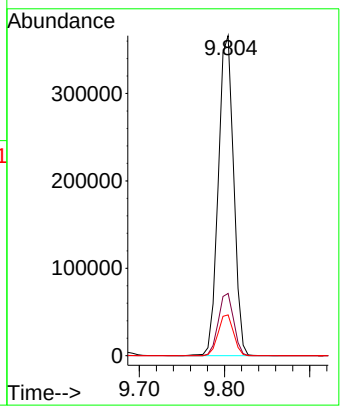




#49
Acenaphthylene
Concen: 10.616 ng
RT: 9.804 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:152 Resp: 45735

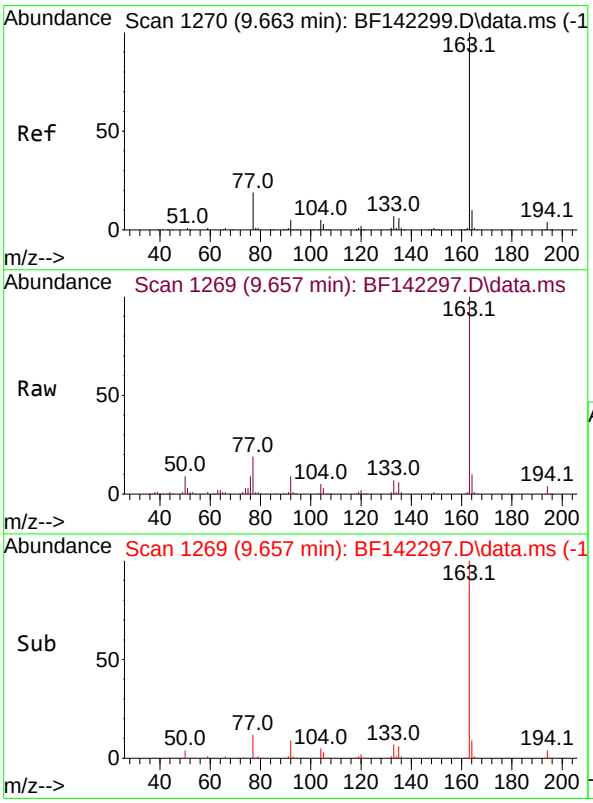
Ion	Ratio	Lower	Upper
152	100		
151	19.5	16.0	24.0
153	12.7	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

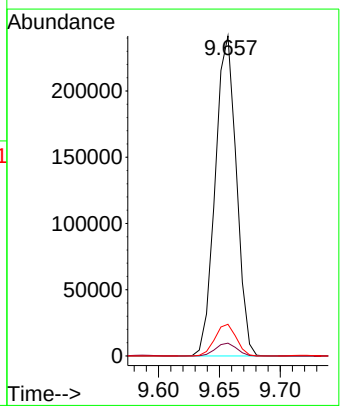
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

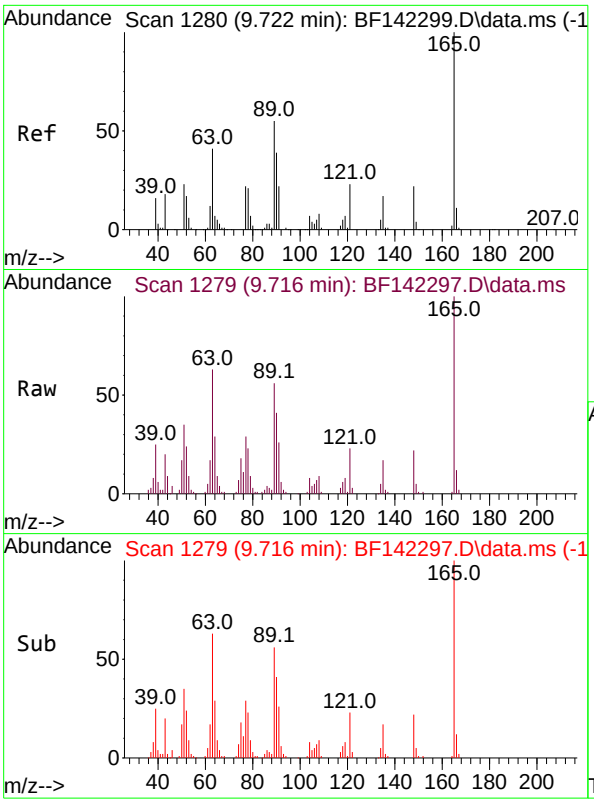


#50
Dimethylphthalate
Concen: 10.080 ng
RT: 9.657 min Scan# 1269
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:163 Resp: 292351

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.2	4.8
164	9.9	8.3	12.5





#51
2,6-Dinitrotoluene
Concen: 8.551 ng
RT: 9.716 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

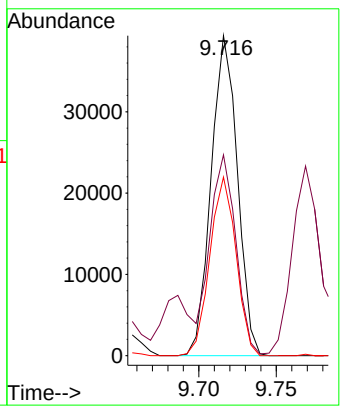
Tgt Ion:165 Resp: 4642

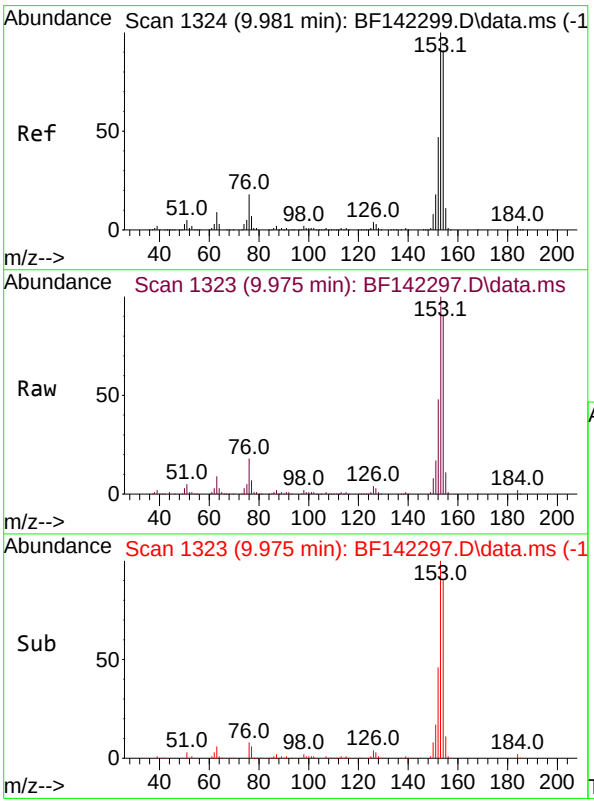
Ion	Ratio	Lower	Upper
165	100		
63	62.8	49.5	74.3
89	55.8	44.6	66.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

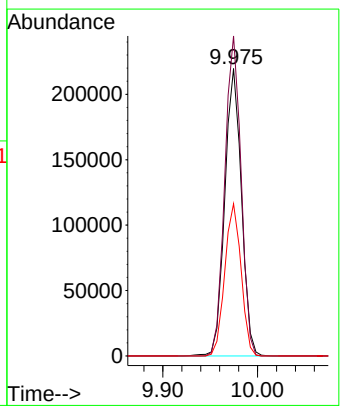


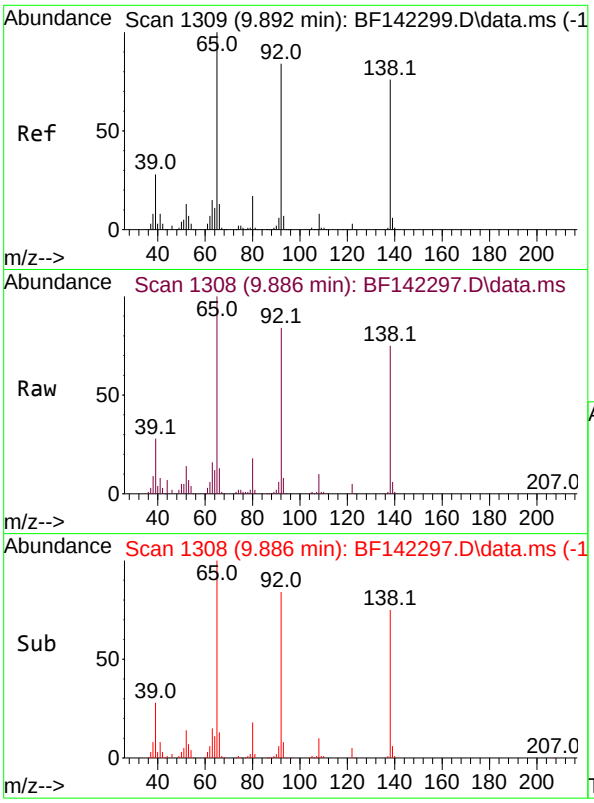


#52
Acenaphthene
Concen: 10.384 ng
RT: 9.975 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:154 Resp: 268993

Ion	Ratio	Lower	Upper
154	100		
153	111.4	88.0	132.0
152	53.0	41.6	62.4





#53
3-Nitroaniline
Concen: 8.443 ng
RT: 9.886 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

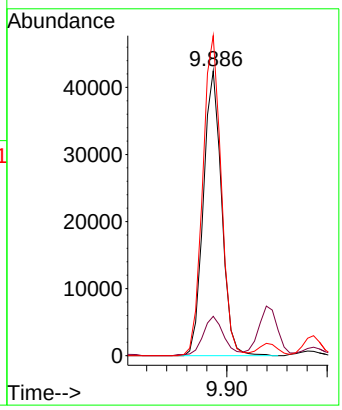
Tgt Ion:138 Resp: 5375

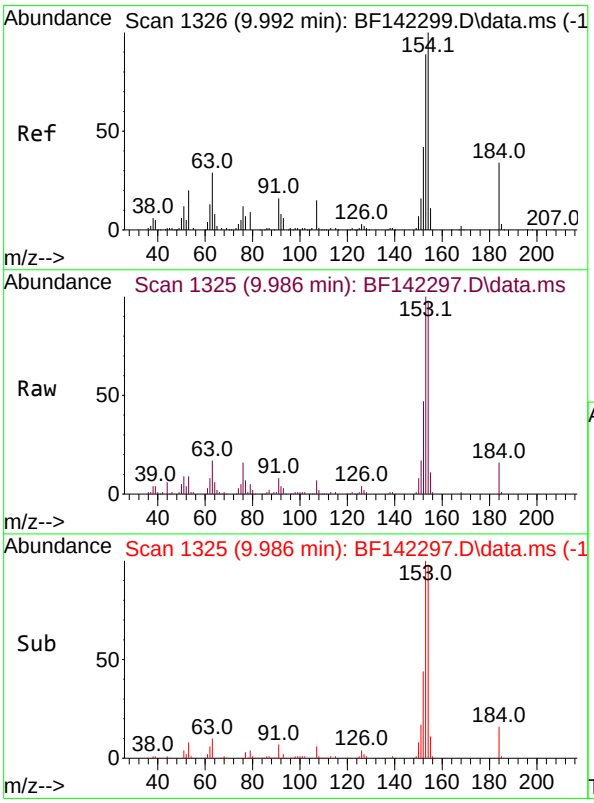
Ion	Ratio	Lower	Upper
138	100		
108	13.8	8.7	13.1#
92	112.4	89.5	134.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

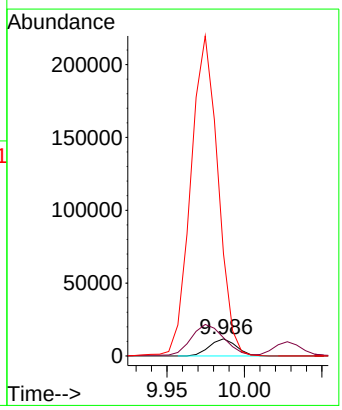


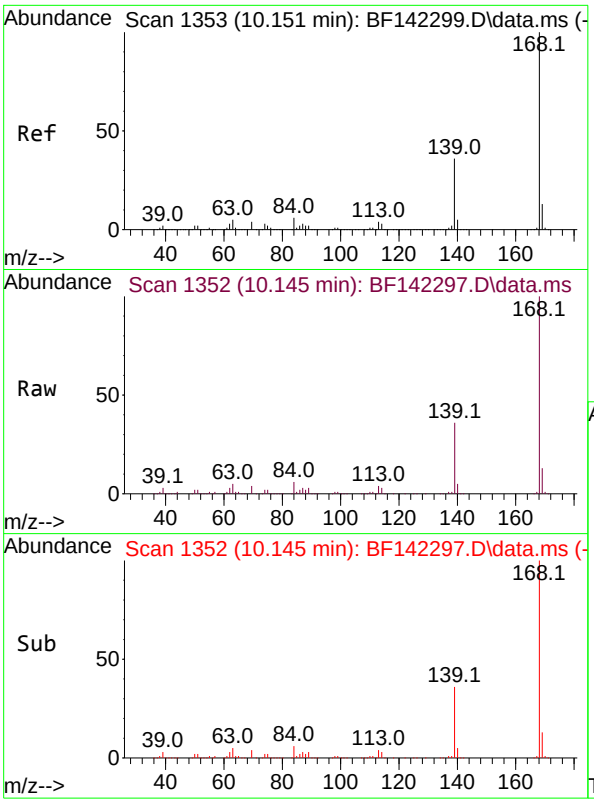


#54
2,4-Dinitrophenol
Concen: 12.133 ng
RT: 9.986 min Scan# 1325
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:184 Resp: 14043

Ion	Ratio	Lower	Upper
184	100		
63	106.4	70.6	105.8#
154	596.9	257.2	385.8#

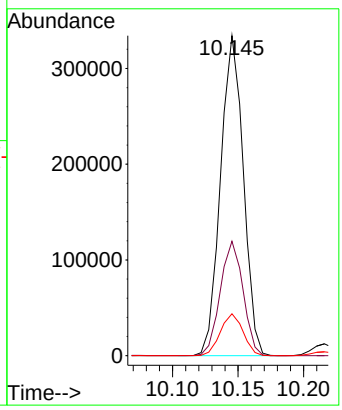




#55
Dibenzofuran
Concen: 10.573 ng
RT: 10.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:168 Resp: 40421

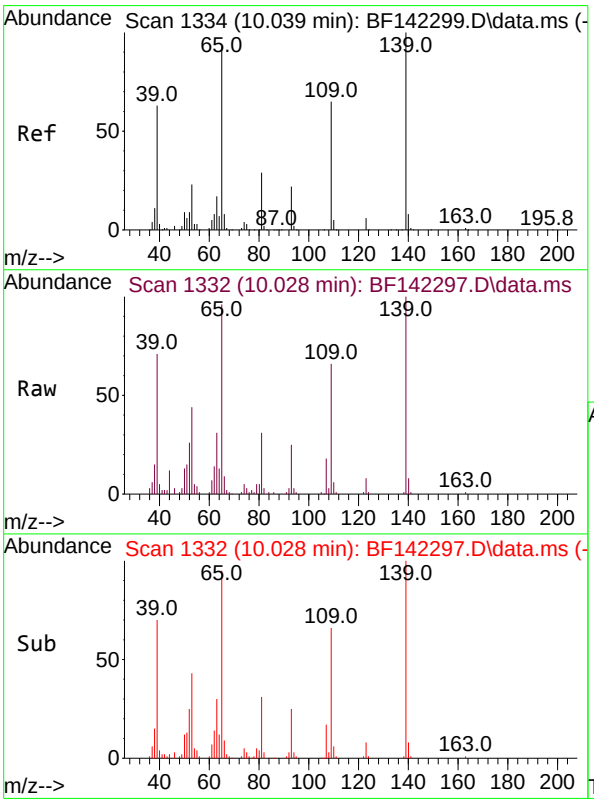
Ion	Ratio	Lower	Upper
168	100		
139	35.7	29.0	43.4
169	13.1	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

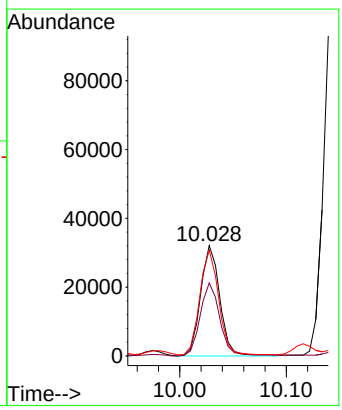
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

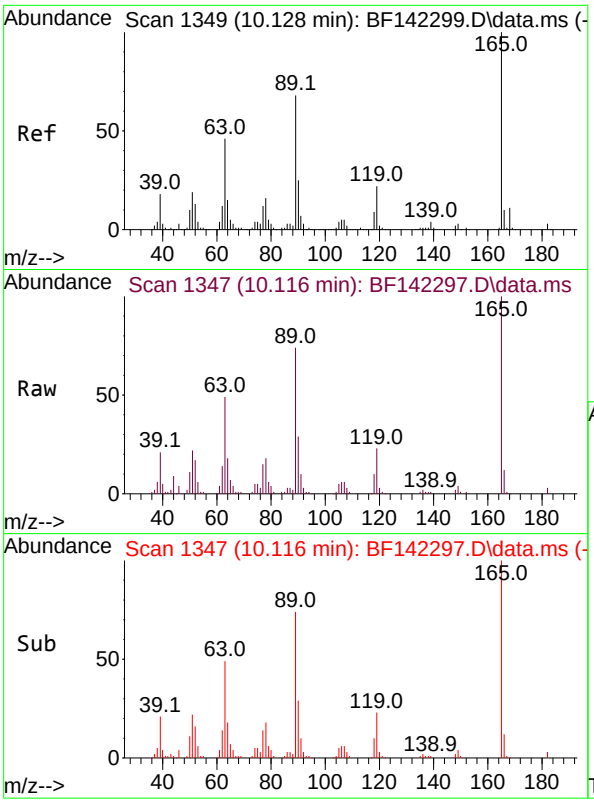


#56
4-Nitrophenol
Concen: 8.407 ng
RT: 10.028 min Scan# 1332
Delta R.T. -0.012 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:139 Resp: 40283

Ion	Ratio	Lower	Upper
139	100		
109	66.2	45.3	85.3
65	95.8	73.9	113.9

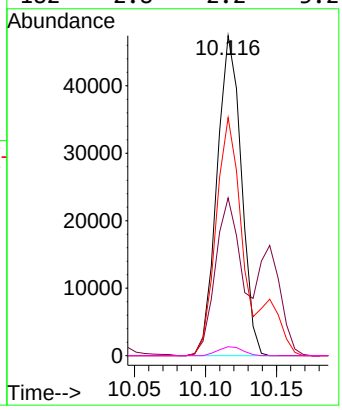




#57
2,4-Dinitrotoluene
Concen: 8.120 ng
RT: 10.116 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:165 Resp: 5654

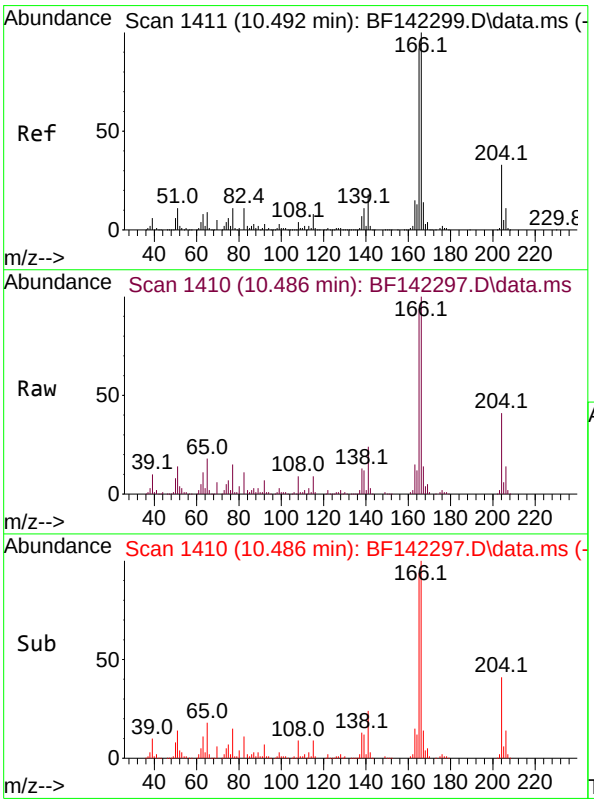
Ion	Ratio	Lower	Upper
165	100		
63	49.3	37.1	55.7
89	74.4	54.4	81.6
182	2.8	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

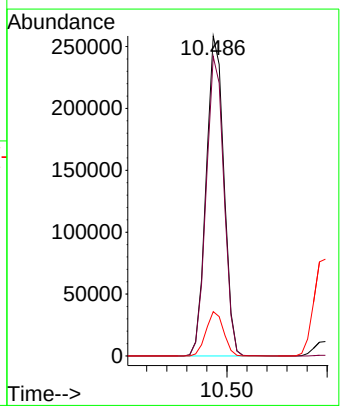
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

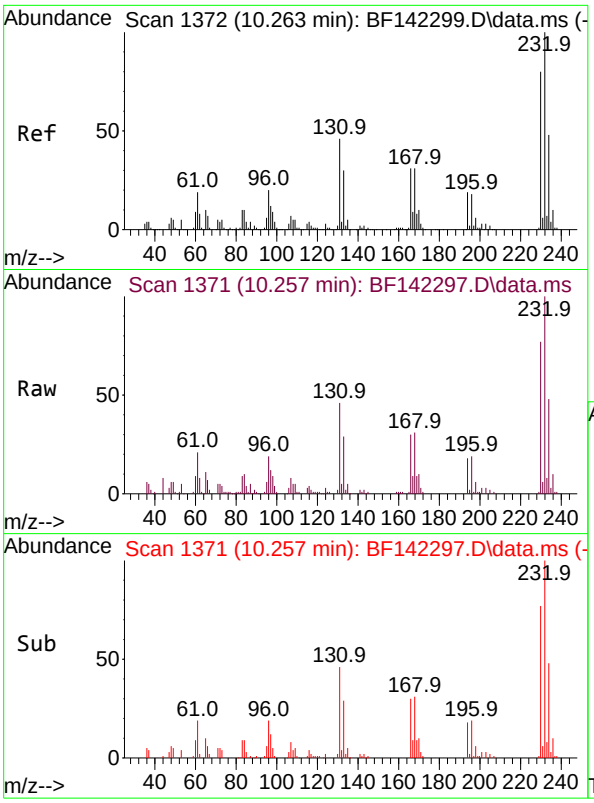


#58
Fluorene
Concen: 10.892 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:166 Resp: 317792

Ion	Ratio	Lower	Upper
166	100		
165	93.6	74.0	111.0
167	13.9	10.9	16.3

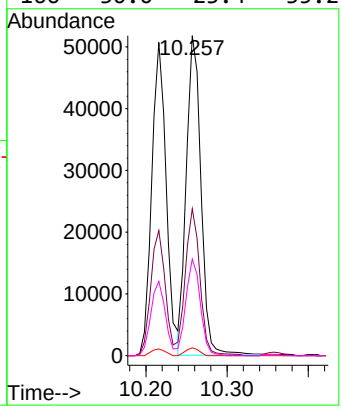




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.316 ng
RT: 10.257 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:232 Resp: 6510

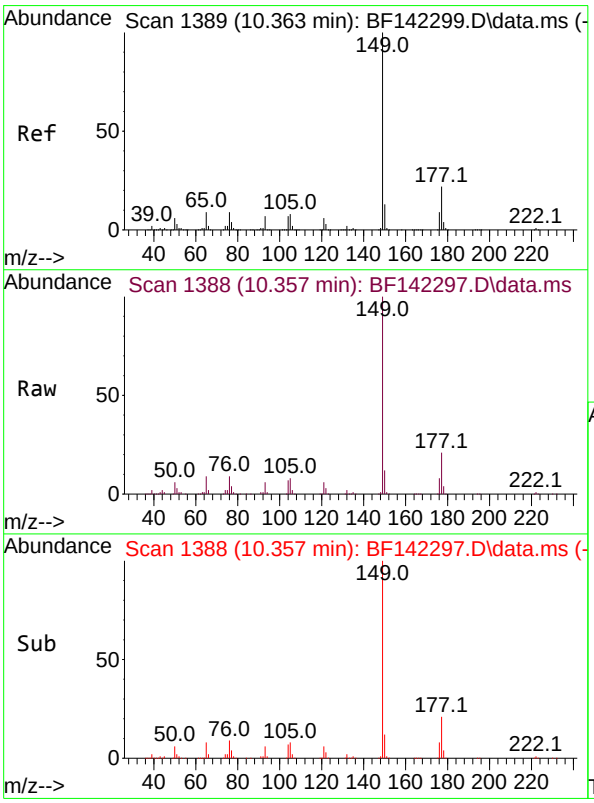
Ion	Ratio	Lower	Upper
232	100		
131	46.1	36.0	54.0
130	2.2	1.8	2.6
166	30.0	23.4	35.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

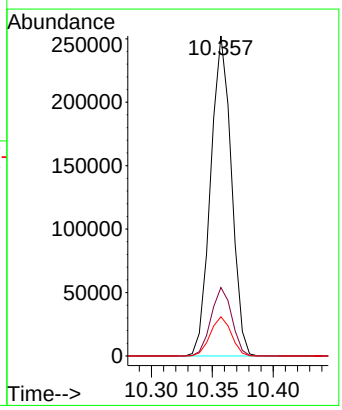
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

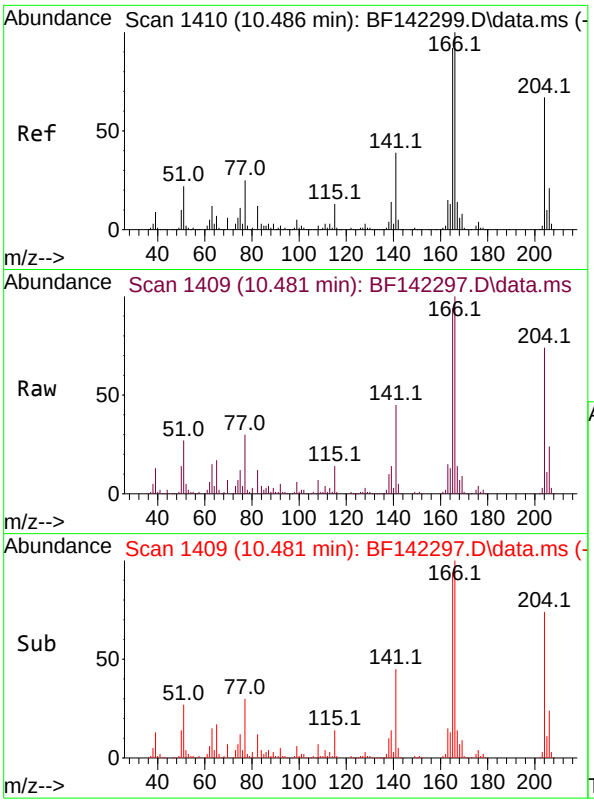


#60
Diethylphthalate
Concen: 10.329 ng
RT: 10.357 min Scan# 1388
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:149 Resp: 299154

Ion	Ratio	Lower	Upper
149	100		
177	21.4	17.6	26.4
150	12.3	10.1	15.1

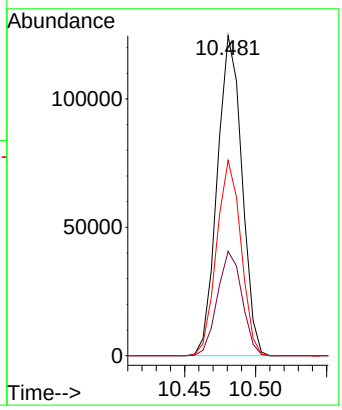




#61
4-Chlorophenyl-phenylether
Concen: 10.683 ng
RT: 10.481 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:204 Resp: 15037

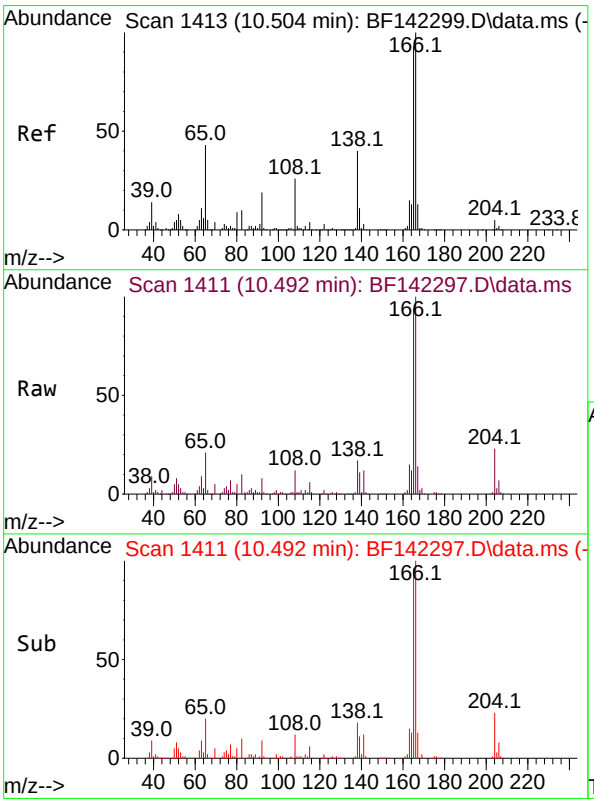
Ion	Ratio	Lower	Upper
204	100		
206	32.6	25.5	38.3
141	61.0	46.4	69.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

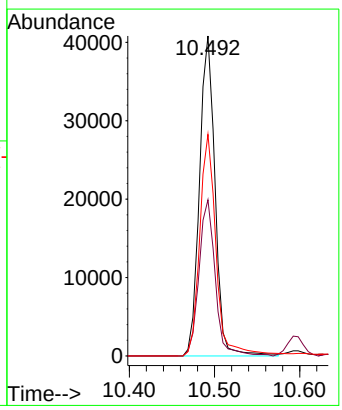
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

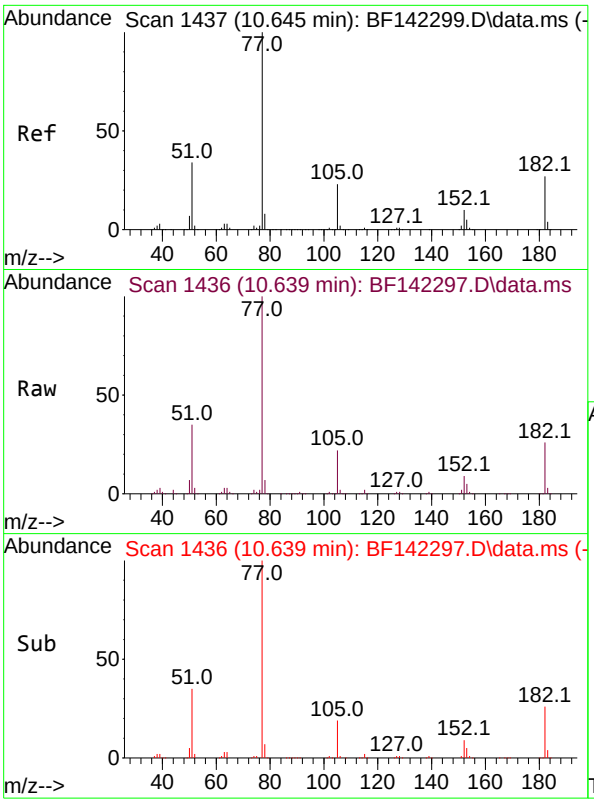


#62
4-Nitroaniline
Concen: 10.274 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.012 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:138 Resp: 51843

Ion	Ratio	Lower	Upper
138	100		
92	48.8	27.3	67.3
108	69.2	45.1	85.1

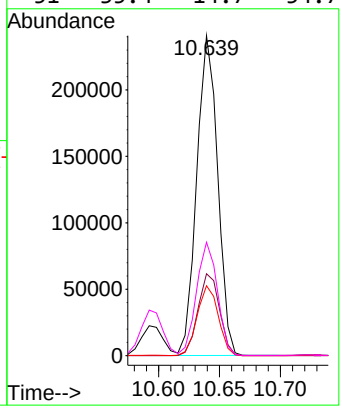




#63
Azobenzene
Concen: 10.372 ng
RT: 10.639 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion: 77 Resp: 28706

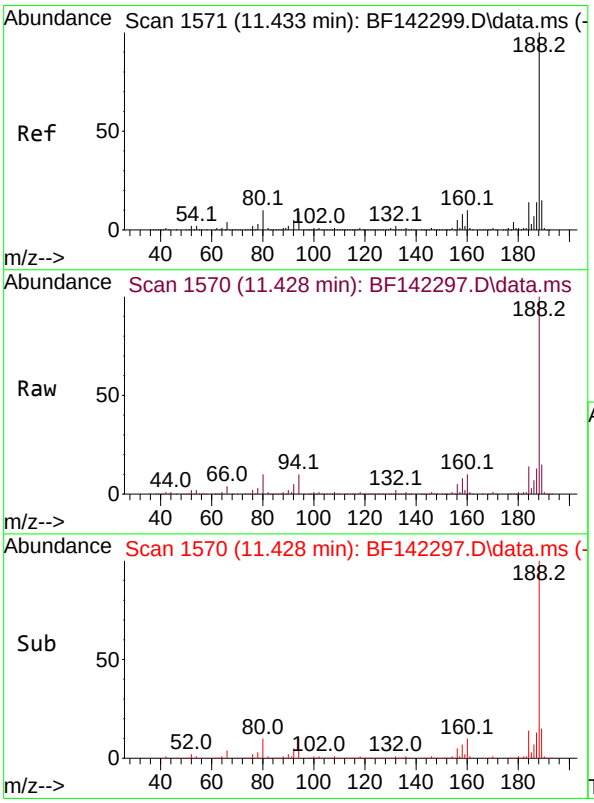
Ion	Ratio	Lower	Upper
77	100		
182	25.6	6.9	46.9
105	21.9	2.7	42.7
51	35.4	14.7	54.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

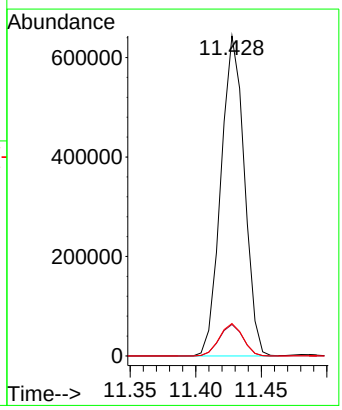
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

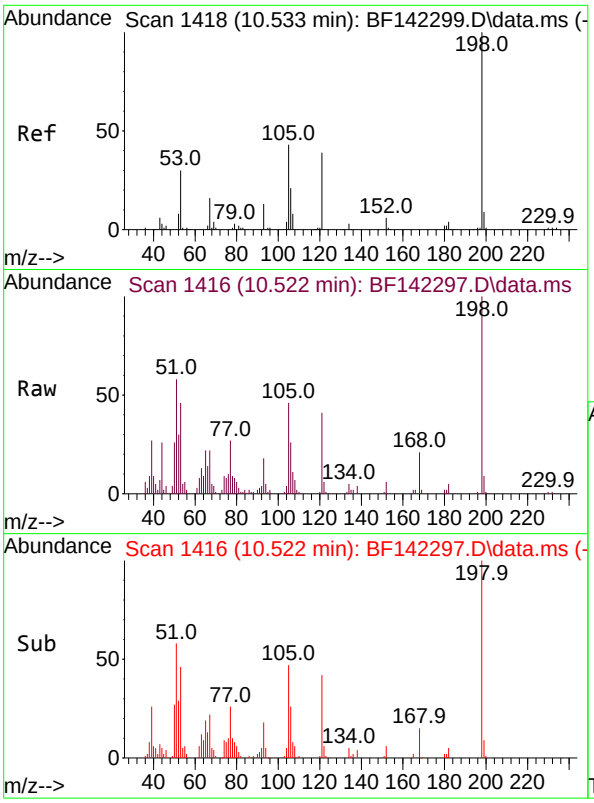


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:188 Resp: 799418

Ion	Ratio	Lower	Upper
188	100		
94	9.8	7.5	11.3
80	10.2	7.9	11.9





#65
4,6-Dinitro-2-methylphenol
Concen: 11.925 ng
RT: 10.522 min Scan# 14
Delta R.T. -0.011 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

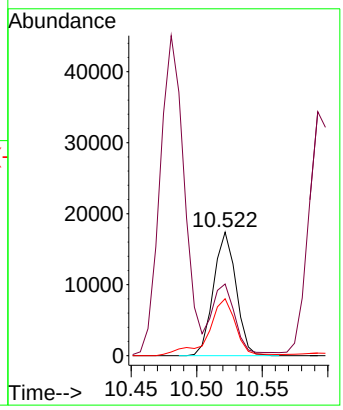
Tgt Ion:198 Resp: 2077

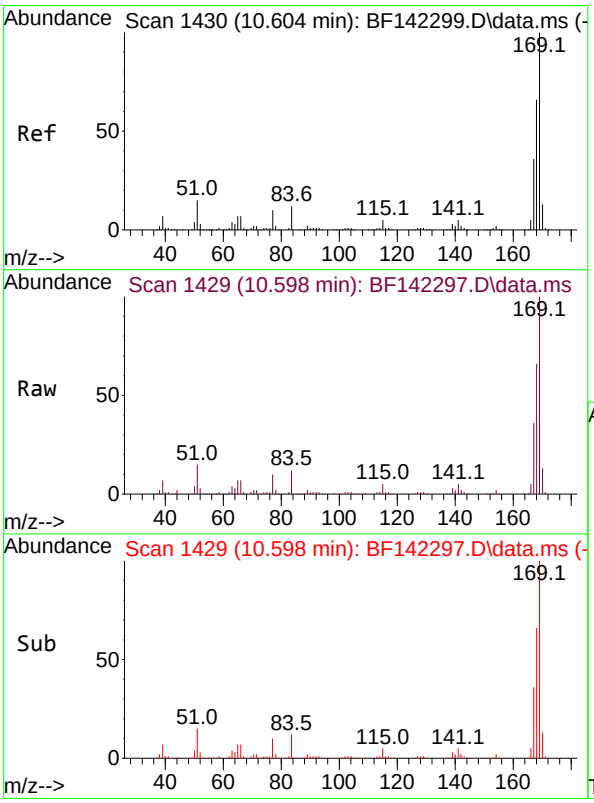
Ion	Ratio	Lower	Upper
198	100		
51	58.1	32.9	72.9
105	46.1	23.7	63.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

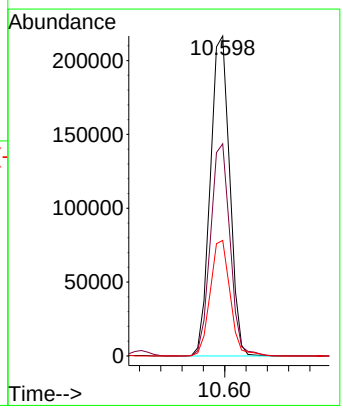


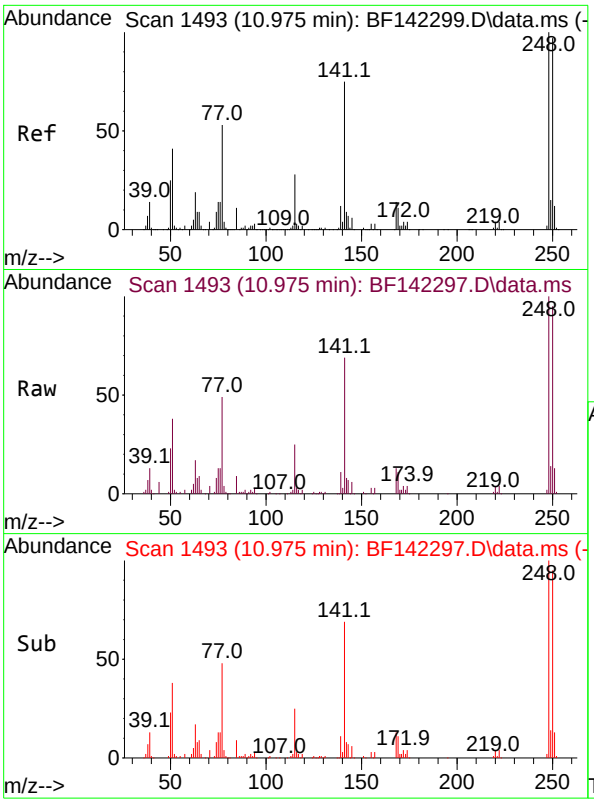


#66
n-Nitrosodiphenylamine
Concen: 10.268 ng
RT: 10.598 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:169 Resp: 273145

Ion	Ratio	Lower	Upper
169	100		
168	66.3	53.2	79.8
167	36.1	28.9	43.3

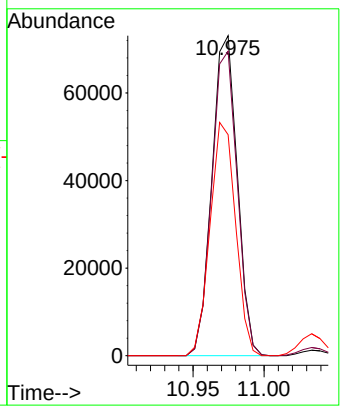




#67
4-Bromophenyl-phenylether
Concen: 10.008 ng
RT: 10.975 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:248 Resp: 9066

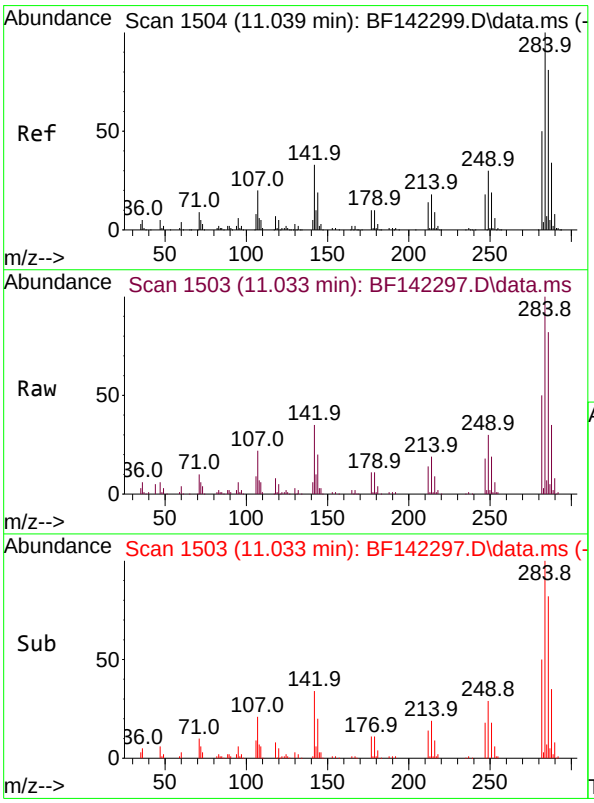
Ion	Ratio	Lower	Upper
248	100		
250	95.2	77.9	116.9
141	69.0	59.8	89.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

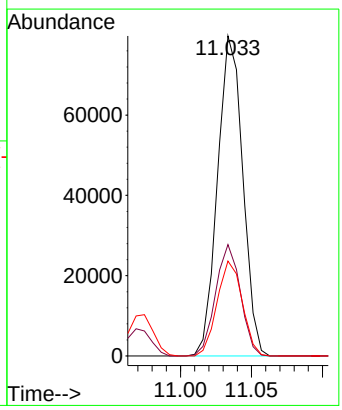
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

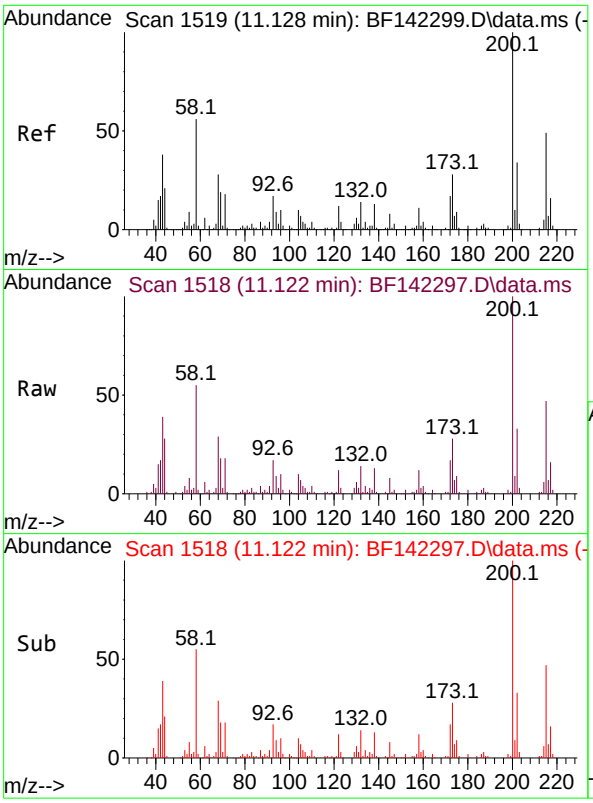


#68
Hexachlorobenzene
Concen: 9.876 ng
RT: 11.033 min Scan# 1503
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:284 Resp: 98422

Ion	Ratio	Lower	Upper
284	100		
142	34.8	26.6	39.8
249	29.7	24.1	36.1

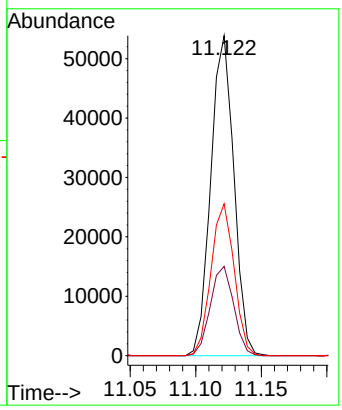




#69
Atrazine
Concen: 9.400 ng
RT: 11.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:200 Resp: 6591

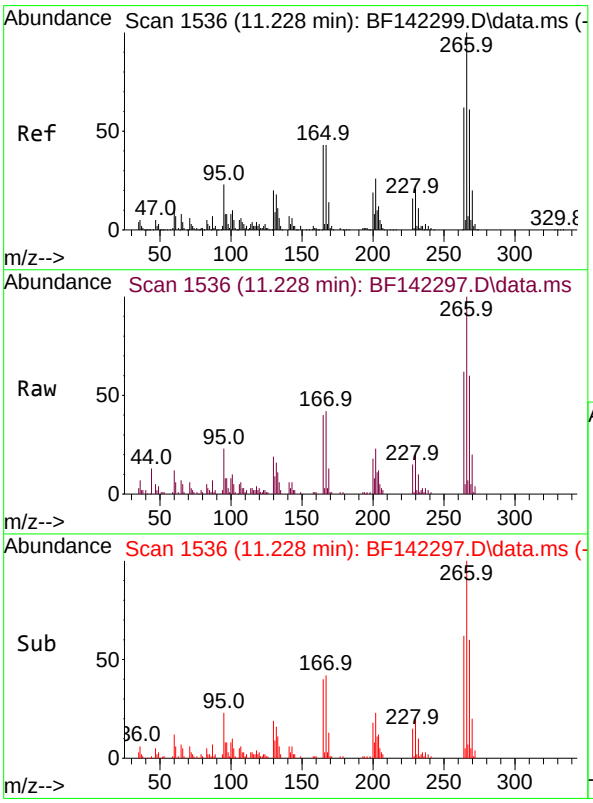
Ion	Ratio	Lower	Upper
200	100		
173	27.9	8.1	48.1
215	47.5	28.8	68.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

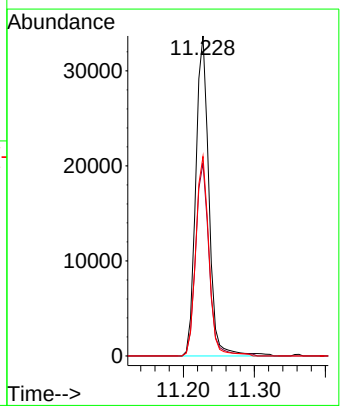
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

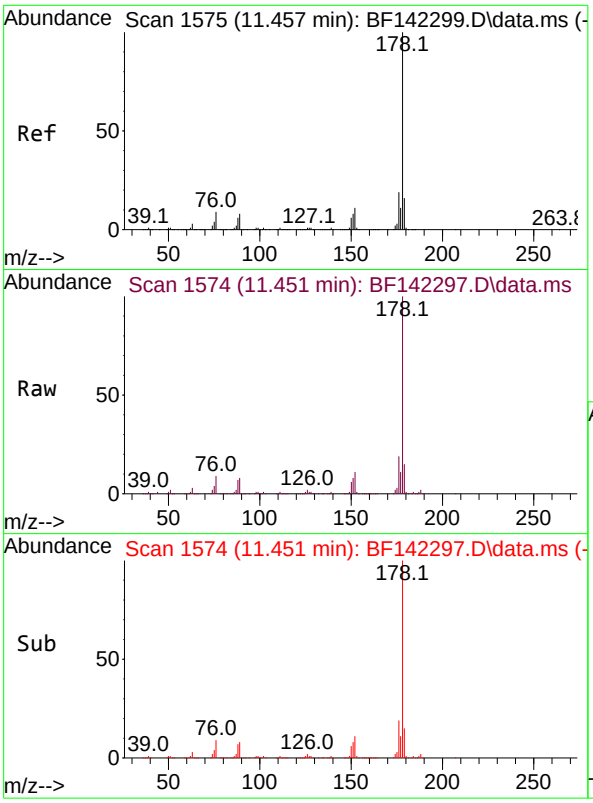


#70
Pentachlorophenol
Concen: 8.302 ng
RT: 11.228 min Scan# 1536
Delta R.T. -0.000 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:266 Resp: 43524

Ion	Ratio	Lower	Upper
266	100		
268	60.2	48.7	73.1
264	62.3	49.8	74.6

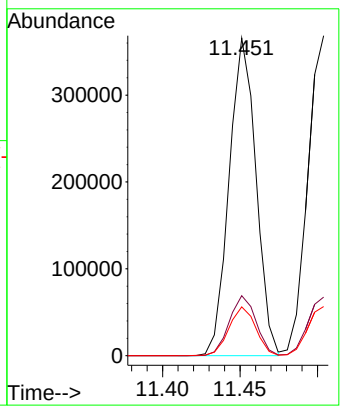




#71
Phenanthrene
Concen: 10.512 ng
RT: 11.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:178 Resp: 44050

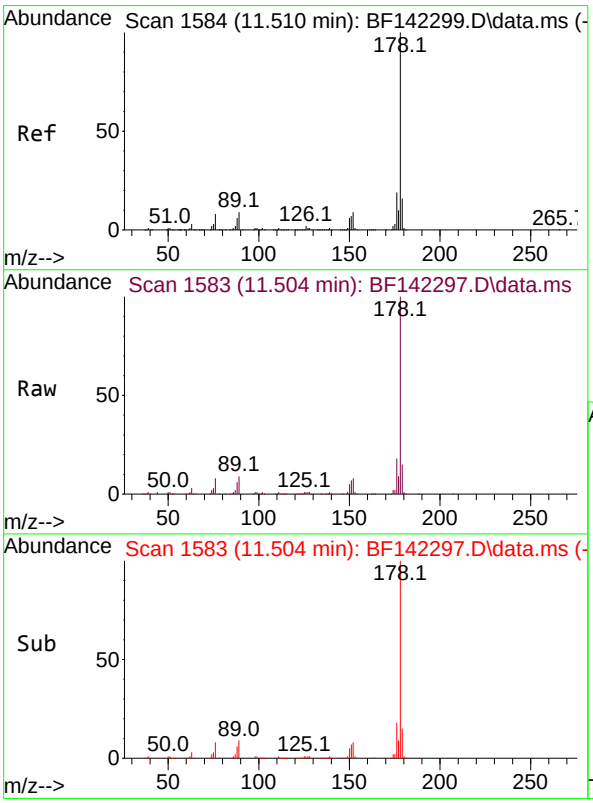
Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.5	23.3
179	15.4	12.6	18.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

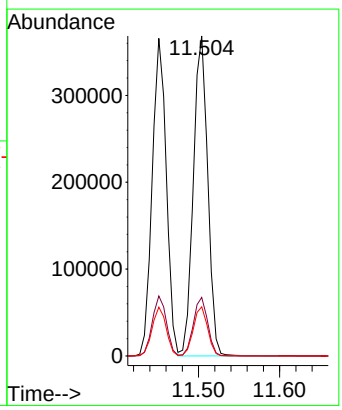
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

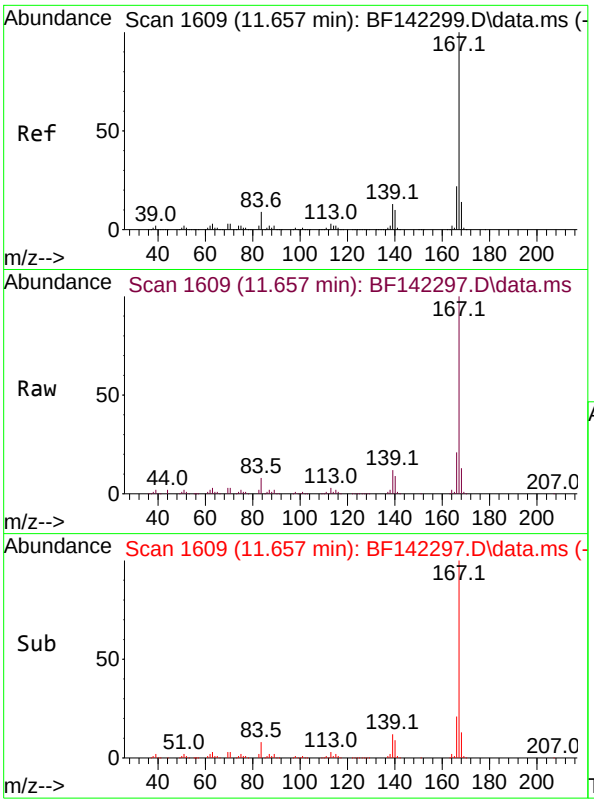


#72
Anthracene
Concen: 10.545 ng
RT: 11.504 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:178 Resp: 454013

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.3	22.9
179	15.3	12.6	18.8

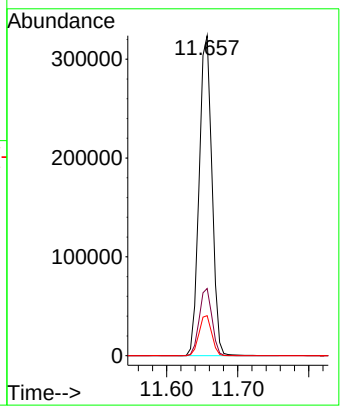




#73
Carbazole
Concen: 10.511 ng
RT: 11.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:167 Resp: 40600

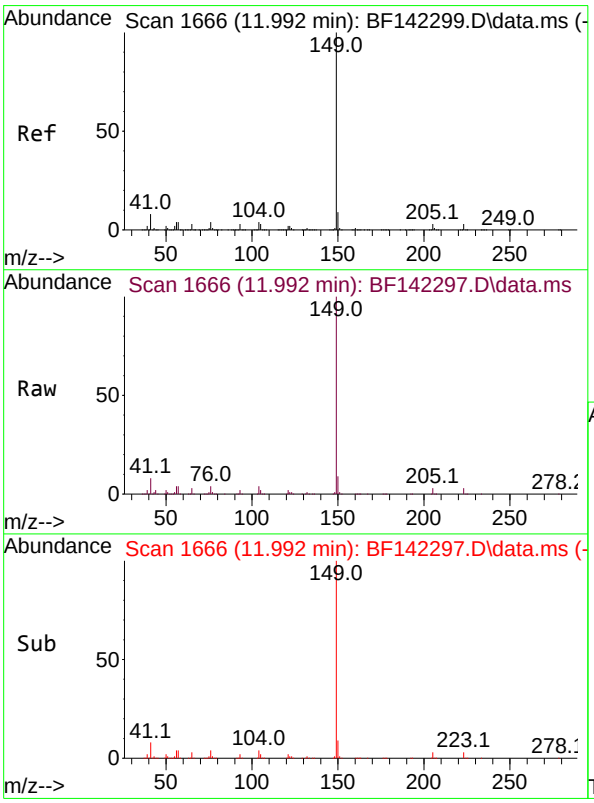
Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.2	25.8
139	12.5	10.3	15.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

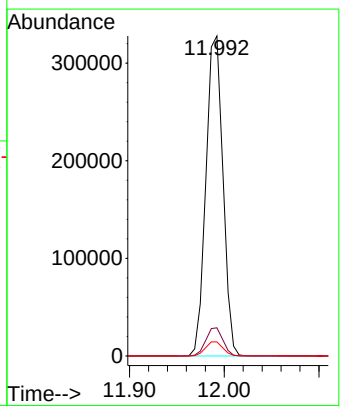
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

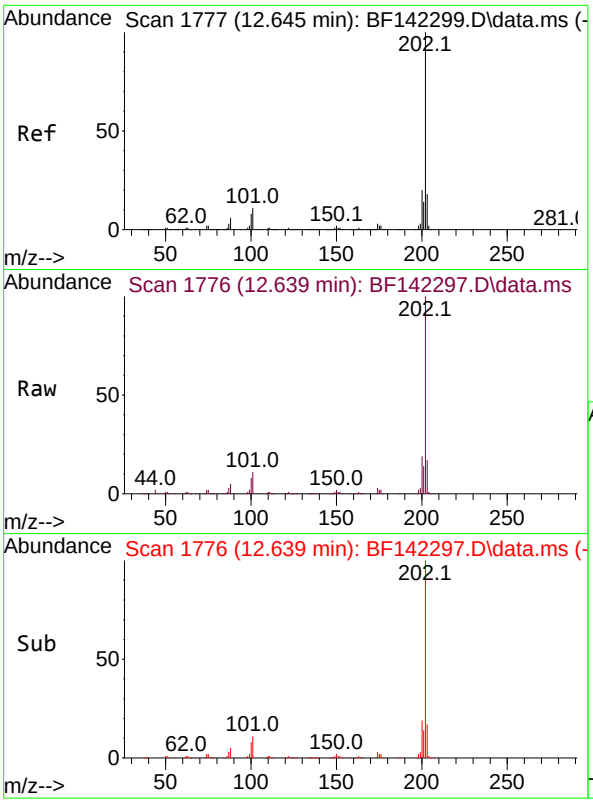


#74
Di-n-butylphthalate
Concen: 10.060 ng
RT: 11.992 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:149 Resp: 408614

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.5	11.3
104	4.4	3.6	5.4





#75
Fluoranthene
Concen: 11.011 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

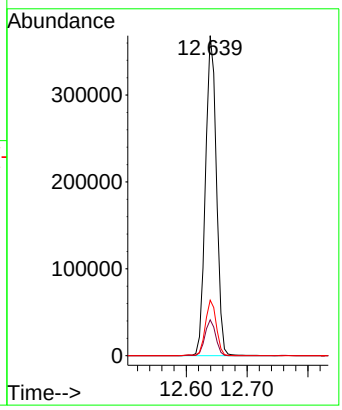
Tgt Ion:202 Resp: 46121

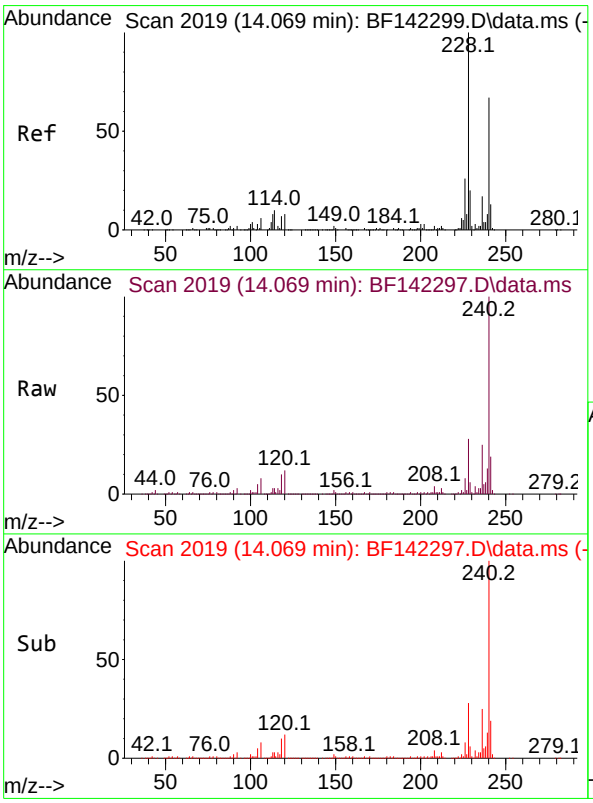
Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	31.4
203	17.4	0.0	37.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

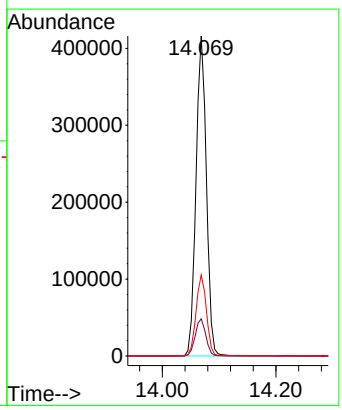


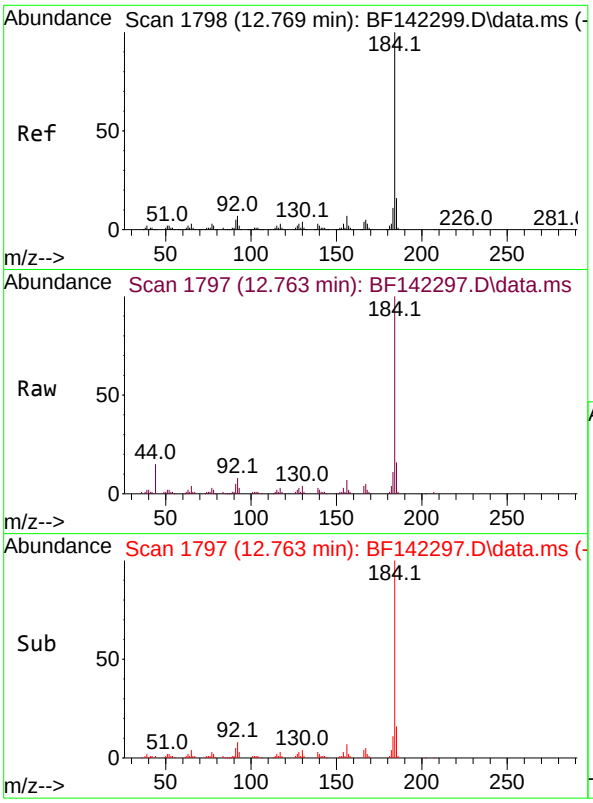


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:240 Resp: 531922

Ion	Ratio	Lower	Upper
240	100		
120	11.6	9.7	14.5
236	25.3	20.0	30.0

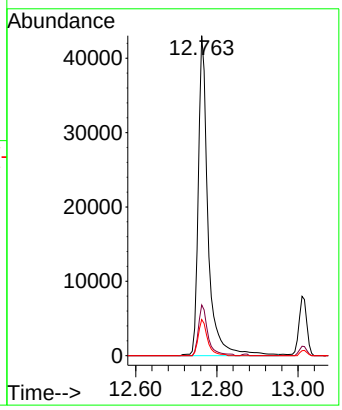




#77
Benzidine
Concen: 7.482 ng
RT: 12.763 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:184 Resp: 7232

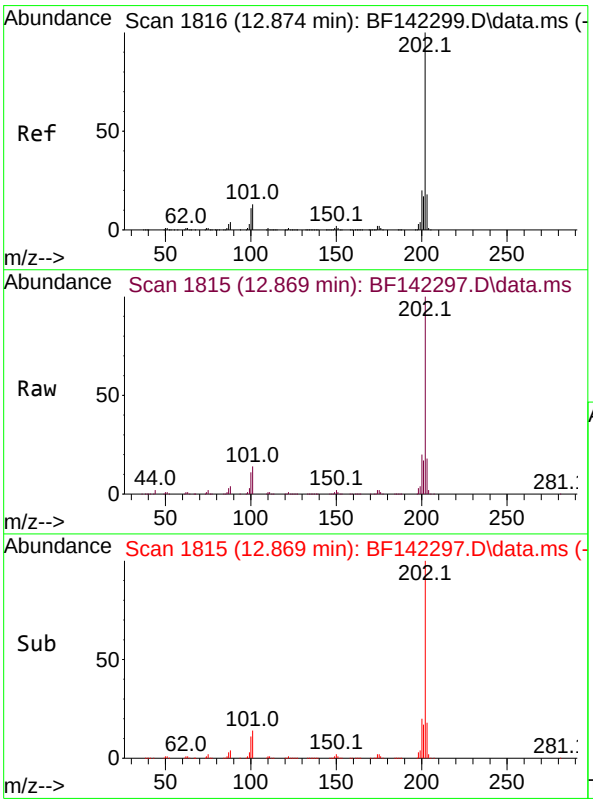
Ion	Ratio	Lower	Upper
184	100		
185	15.8	12.6	18.8
183	11.3	8.6	12.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

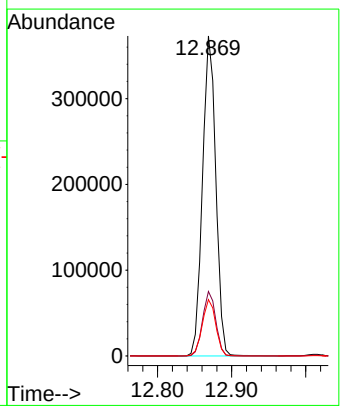
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

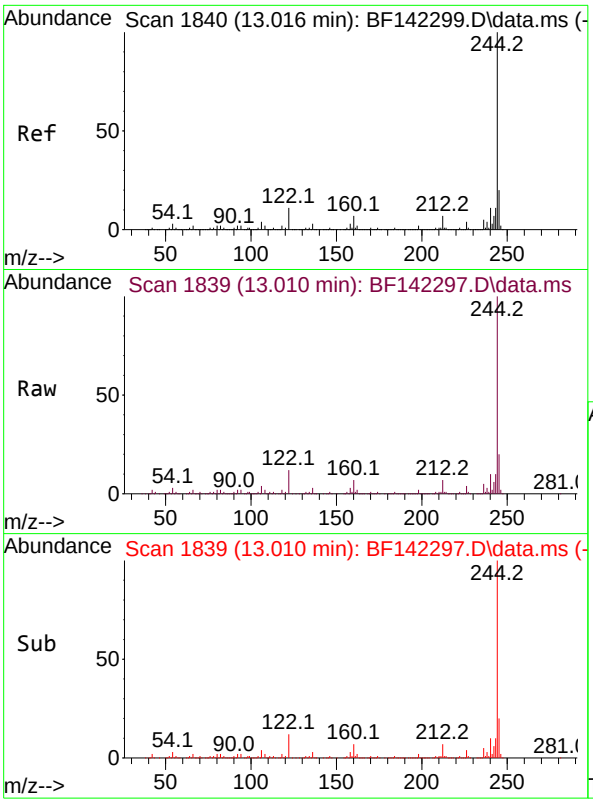


#78
Pyrene
Concen: 9.819 ng
RT: 12.869 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:202 Resp: 464898

Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.2	24.4
203	17.6	14.3	21.5

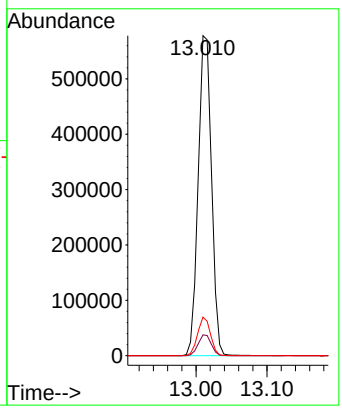




#79
Terphenyl-d14
Concen: 21.070 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:244 Resp: 75721

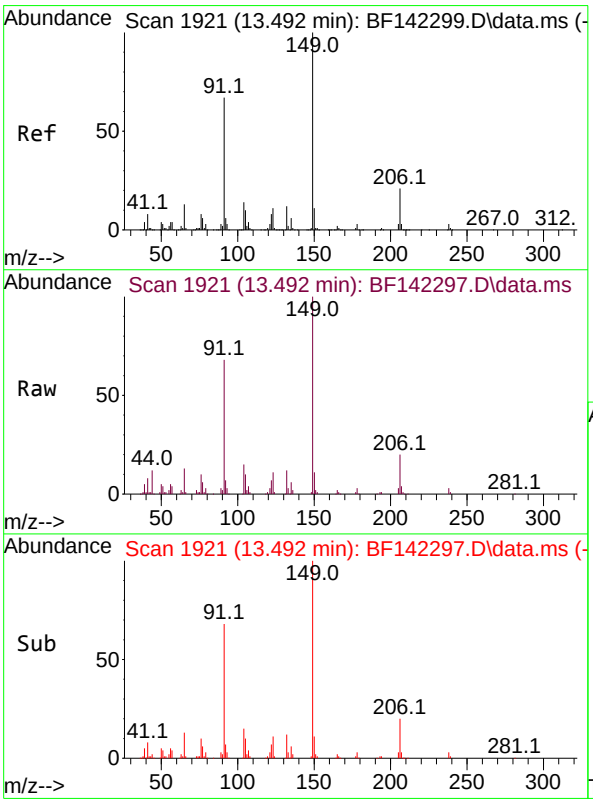
Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.2
122	12.1	9.0	13.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

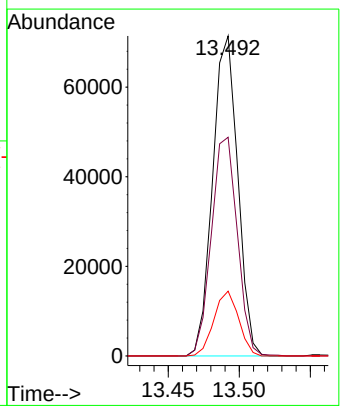
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

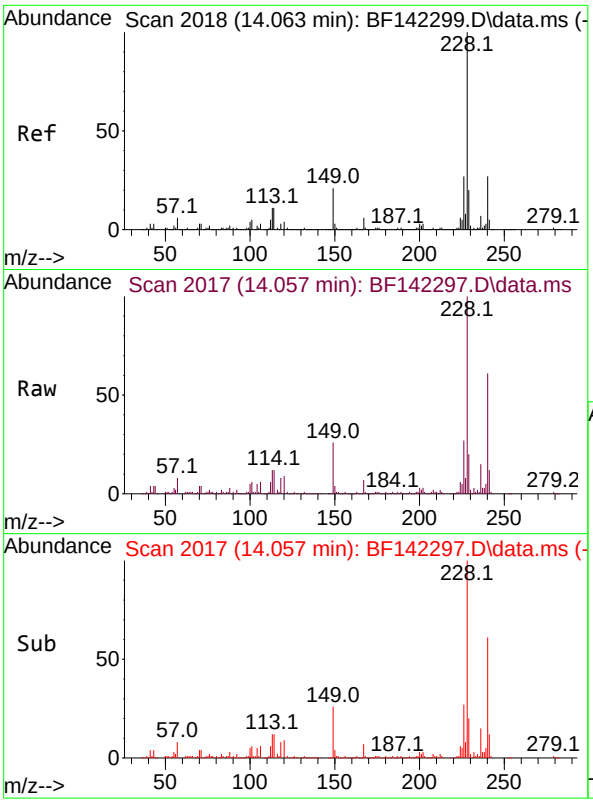


#80
Butylbenzylphthalate
Concen: 9.527 ng
RT: 13.492 min Scan# 1921
Delta R.T. 0.000 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:149 Resp: 87770

Ion	Ratio	Lower	Upper
149	100		
91	68.4	53.8	80.6
206	20.3	16.6	24.8

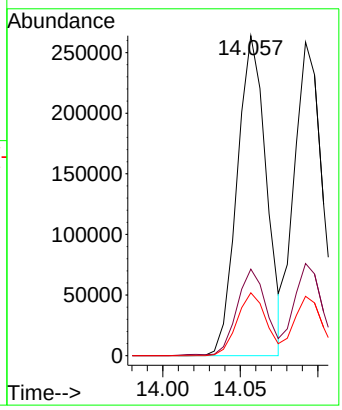




#81
Benzo(a)anthracene
Concen: 10.033 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:228 Resp: 34560

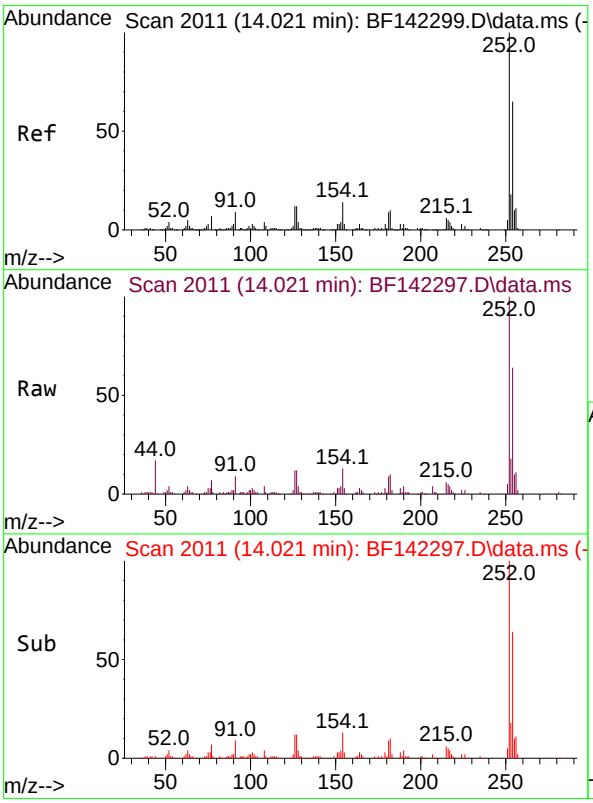
Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.5	32.3
229	19.6	15.9	23.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

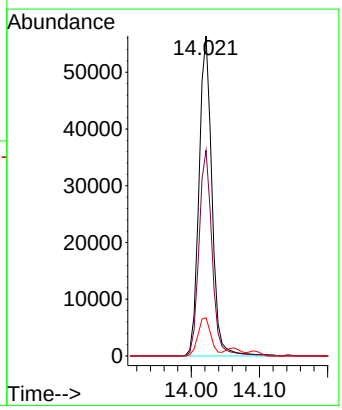
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

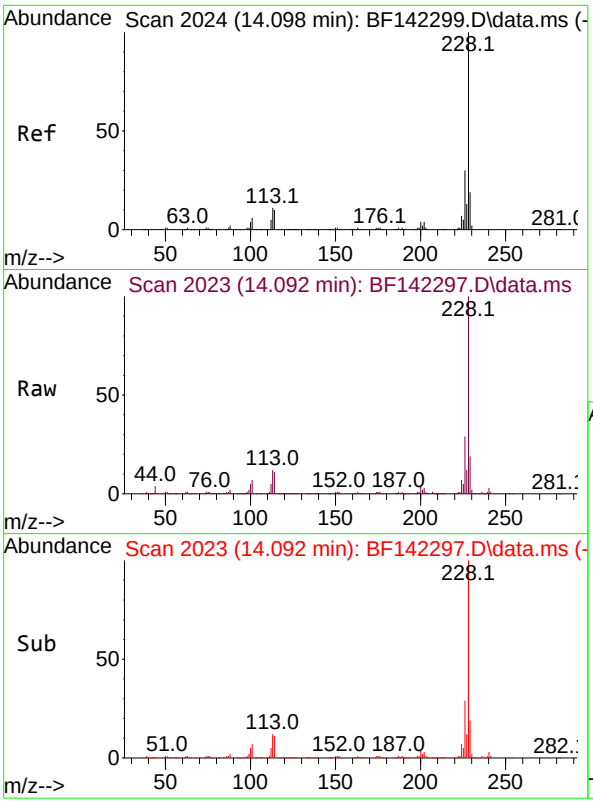


#82
3,3'-Dichlorobenzidine
Concen: 9.267 ng
RT: 14.021 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:252 Resp: 74238

Ion	Ratio	Lower	Upper
252	100		
254	64.2	52.0	78.0
126	12.0	9.7	14.5

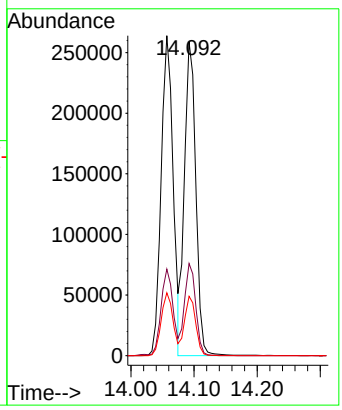




#83
Chrysene
Concen: 10.175 ng
RT: 14.092 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:228 Resp: 32630(

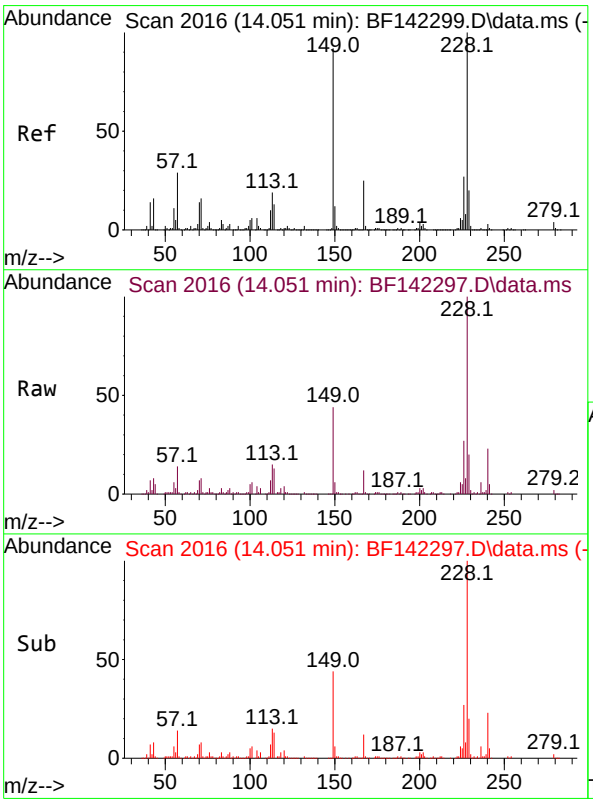
Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.9	35.9
229	18.9	15.4	23.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

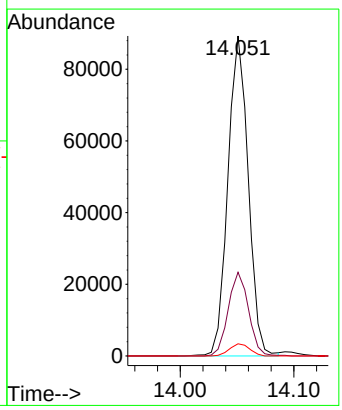
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

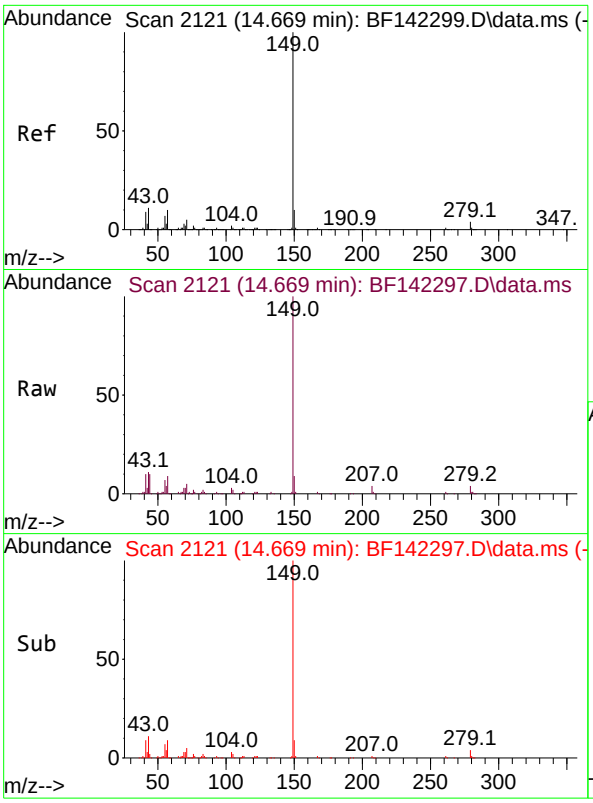


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.863 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.000 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:149 Resp: 111032

Ion	Ratio	Lower	Upper
149	100		
167	26.2	22.0	33.0
279	3.8	3.0	4.6

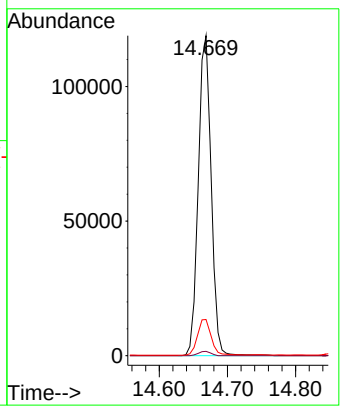




#85
Di-n-octyl phthalate
Concen: 11.860 ng
RT: 14.669 min Scan# 21
Delta R.T. -0.001 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:149 Resp: 15589

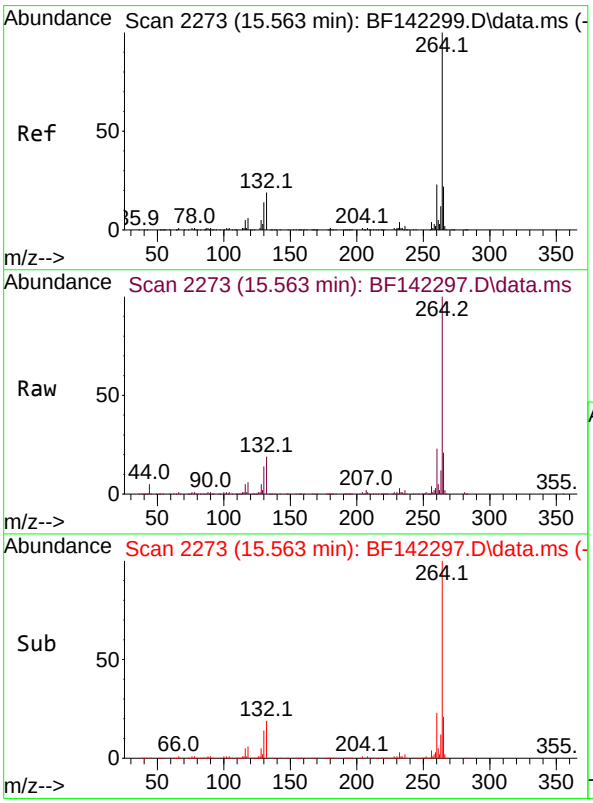
Ion	Ratio	Lower	Upper
149	100		
167	1.3	1.1	1.7
43	11.9	9.2	13.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

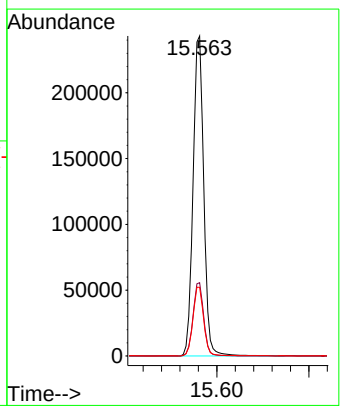
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

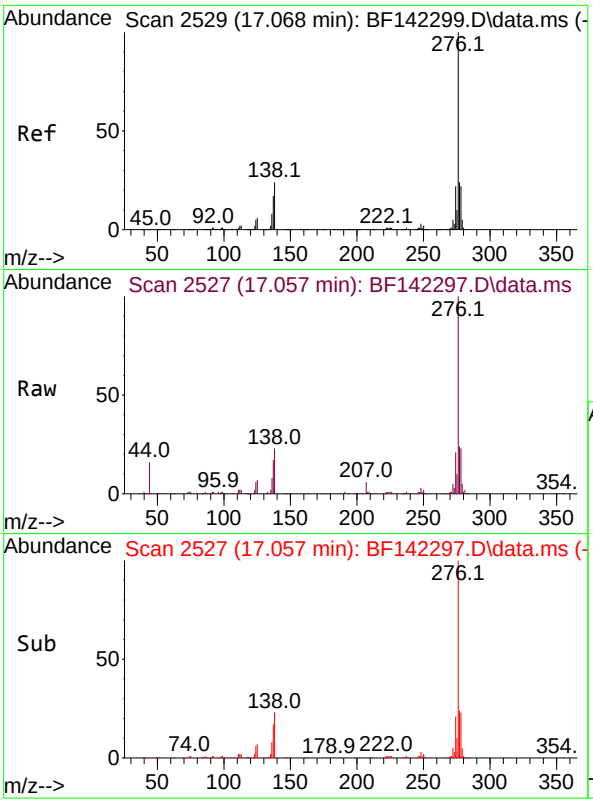


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2273
Delta R.T. -0.000 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:264 Resp: 390300

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.6	27.8
265	21.5	17.5	26.3

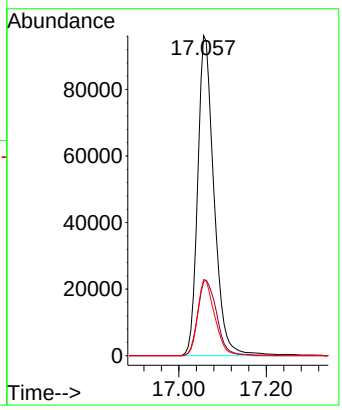




#87
Indeno(1,2,3-cd)pyrene
Concen: 9.211 ng
RT: 17.057 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:276 Resp: 25007

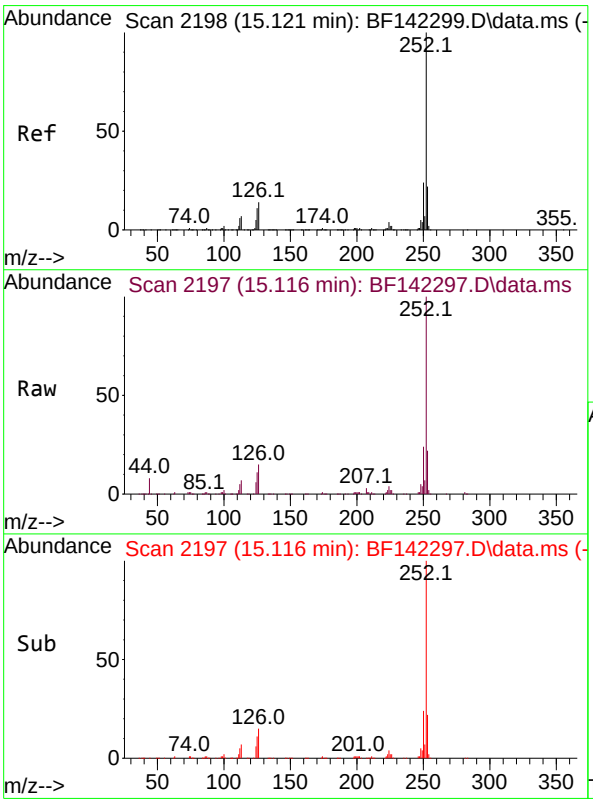
Ion	Ratio	Lower	Upper
276	100		
138	27.4	22.0	33.0
277	24.9	20.1	30.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations
APPROVED

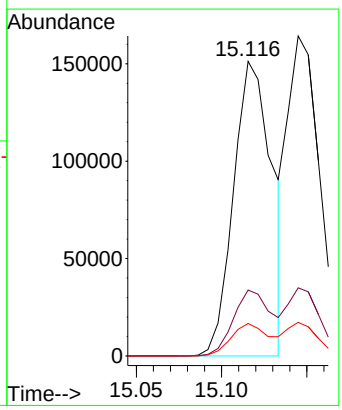
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

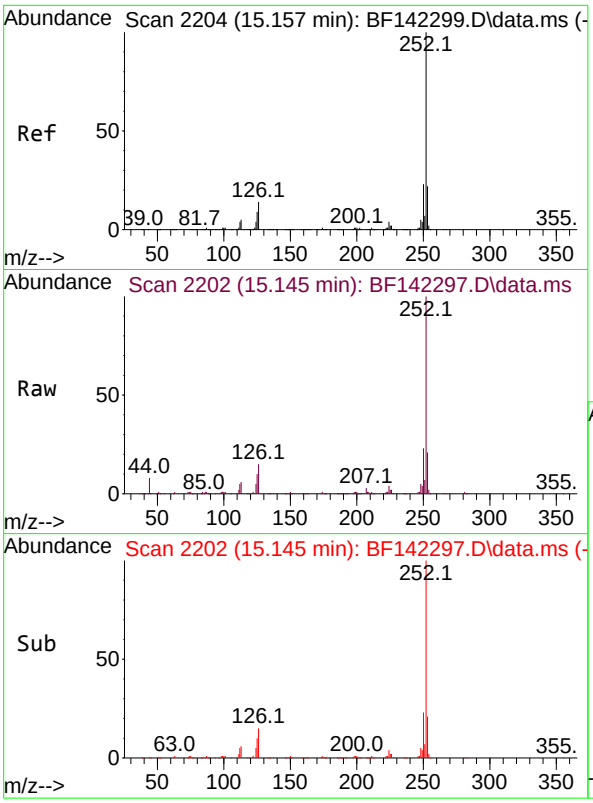


#88
Benzo(b)fluoranthene
Concen: 10.040 ng
RT: 15.116 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:252 Resp: 237339

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.7	26.5
125	11.0	8.7	13.1

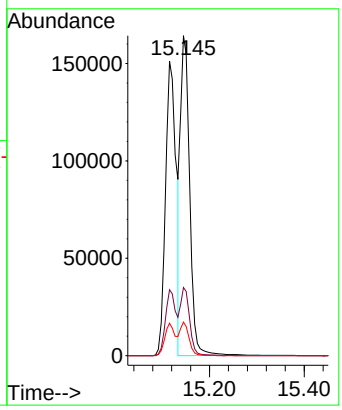




#89
Benzo(k)fluoranthene
Concen: 10.304 ng
RT: 15.145 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:252 Resp: 22289

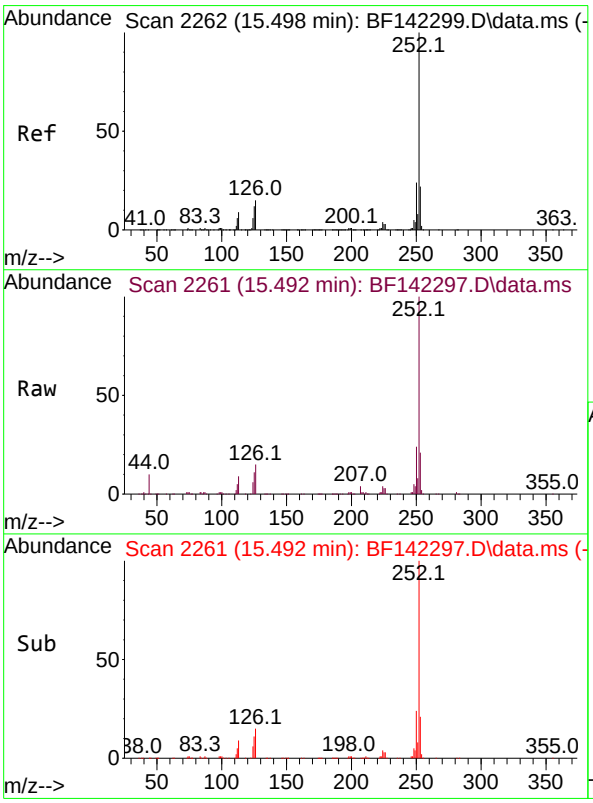
Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.6	26.4
125	10.5	8.1	12.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

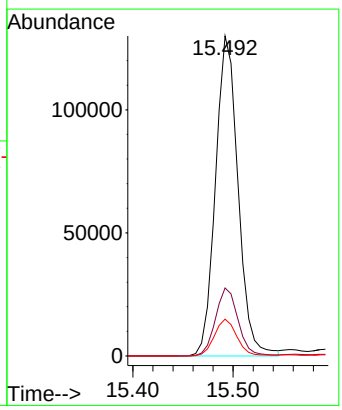
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

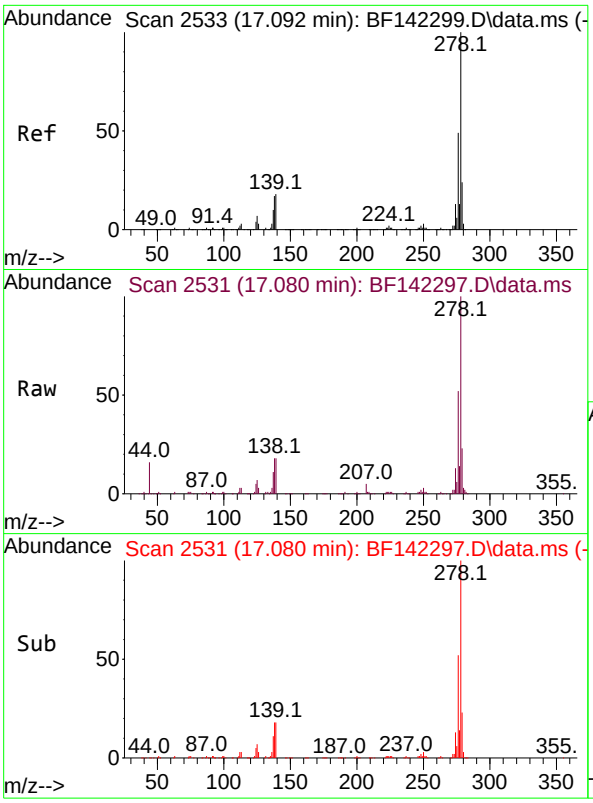


#90
Benzo(a)pyrene
Concen: 9.596 ng
RT: 15.492 min Scan# 2261
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:252 Resp: 203272

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.8	26.6
125	11.5	9.4	14.0

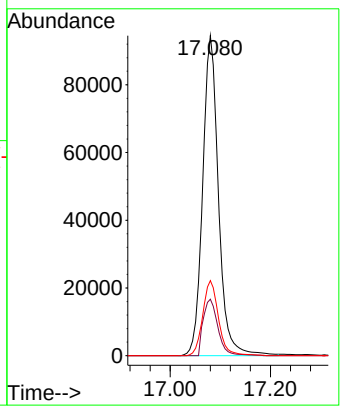




#91
Dibenzo(a,h)anthracene
Concen: 9.272 ng
RT: 17.080 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:278 Resp: 20796

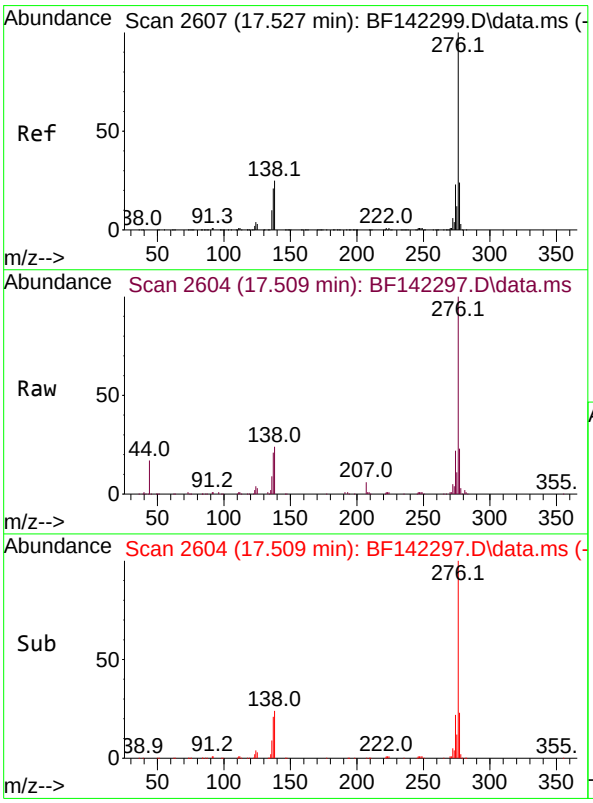
Ion	Ratio	Lower	Upper
278	100		
139	17.6	14.5	21.7
279	23.4	18.9	28.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations APPROVED

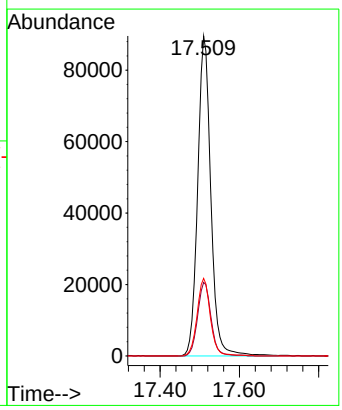
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#92
Benzo(g,h,i)perylene
Concen: 9.256 ng
RT: 17.509 min Scan# 2604
Delta R.T. -0.018 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:276 Resp: 206052

Ion	Ratio	Lower	Upper
276	100		
277	23.0	19.0	28.6
138	24.3	19.8	29.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142298.D
Acq On : 05 May 2025 15:21
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

Quant Time: May 05 17:58:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 17:44:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	216286	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	842039	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	449427	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	788283	20.000	ng	0.00
76) Chrysene-d12	14.069	240	473278	20.000	ng	0.00
86) Perylene-d12	15.563	264	392077	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	524001	41.358	ng	0.00
7) Phenol-d6	6.516	99	644227	41.341	ng	0.00
23) Nitrobenzene-d5	7.463	82	565303	40.944	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	178075	41.039	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	1377117	43.691	ng	0.00
79) Terphenyl-d14	13.016	244	1382069	43.222	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.687	88	115676	20.274	ng	99
3) Pyridine	3.452	79	261665	19.504	ng	99
4) n-Nitrosodimethylamine	3.393	42	157578	20.240	ng	96
6) Aniline	6.563	93	339232	22.194	ng	100
8) 2-Chlorophenol	6.687	128	273145	20.174	ng	99
9) Benzaldehyde	6.451	77	195344	21.418	ng	98
10) Phenol	6.534	94	342565	20.739	ng	99
11) bis(2-Chloroethyl)ether	6.634	93	326537	20.046	ng	99
12) 1,3-Dichlorobenzene	6.845	146	317103	20.472	ng	99
13) 1,4-Dichlorobenzene	6.922	146	321447	20.669	ng	99
14) 1,2-Dichlorobenzene	7.075	146	306024	20.500	ng	99
15) Benzyl Alcohol	7.040	79	201768	19.996	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.181	45	502839	20.672	ng	100
17) 2-Methylphenol	7.145	107	221049	20.166	ng	98
18) Hexachloroethane	7.422	117	105630	20.413	ng	99
19) n-Nitroso-di-n-propyla...	7.310	70	198554	20.599	ng	99
20) 3+4-Methylphenols	7.298	107	285863	20.896	ng	96
22) Acetophenone	7.310	105	390755	20.871	ng	99
24) Nitrobenzene	7.481	77	266464	20.474	ng	99
25) Isophorone	7.722	82	530519	20.291	ng	100
26) 2-Nitrophenol	7.798	139	101497	18.889	ng	97
27) 2,4-Dimethylphenol	7.828	122	270038	20.543	ng	100
28) bis(2-Chloroethoxy)met...	7.934	93	351686	20.919	ng	99
29) 2,4-Dichlorophenol	8.040	162	233840	20.924	ng	99
30) 1,2,4-Trichlorobenzene	8.128	180	260029	20.674	ng	99
31) Naphthalene	8.210	128	865551	21.209	ng	99
32) Benzoic acid	7.910	122	98814m	19.691	ng	
33) 4-Chloroaniline	8.257	127	335192m	20.165	ng	
34) Hexachlorobutadiene	8.328	225	152292	20.449	ng	99
35) Caprolactam	8.604	113	65889	20.272	ng	99
36) 4-Chloro-3-methylphenol	8.722	107	238603	20.539	ng	99
37) 2-Methylnaphthalene	8.898	142	534930	21.095	ng	100
38) 1-Methylnaphthalene	8.998	142	559888	21.183	ng	99
40) 1,2,4,5-Tetrachloroben...	9.063	216	263169	20.966	ng	99
41) Hexachlorocyclopentadiene	9.051	237	156699	20.200	ng	99
43) 2,4,6-Trichlorophenol	9.169	196	161721	20.426	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142298.D
Acq On : 05 May 2025 15:21
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

Quant Time: May 05 17:58:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 17:44:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	175468	20.829	ng		99
46) 1,1'-Biphenyl	9.363	154	735501	21.344	ng		98
47) 2-Chloronaphthalene	9.386	162	536203	20.924	ng		100
48) 2-Nitroaniline	9.481	65	131275	19.985	ng		99
49) Acenaphthylene	9.804	152	902949	21.063	ng		99
50) Dimethylphthalate	9.657	163	604026	20.930	ng		99
51) 2,6-Dinitrotoluene	9.722	165	108919	20.163	ng		98
52) Acenaphthene	9.975	154	539391	20.925	ng		99
53) 3-Nitroaniline	9.886	138	129439	20.431	ng		98
54) 2,4-Dinitrophenol	9.986	184	37439	19.641	ng	#	1
55) Dibenzofuran	10.145	168	809325	21.274	ng		100
56) 4-Nitrophenol	10.034	139	94419	19.802	ng		98
57) 2,4-Dinitrotoluene	10.122	165	136138	19.647	ng		98
58) Fluorene	10.492	166	617592	21.273	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.263	232	143706	20.664	ng		99
60) Diethylphthalate	10.357	149	609078	21.134	ng		99
61) 4-Chlorophenyl-phenyle...	10.481	204	295765	21.116	ng		97
62) 4-Nitroaniline	10.498	138	111613	22.228	ng		98
63) Azobenzene	10.639	77	577345	20.964	ng		98
65) 4,6-Dinitro-2-methylph...	10.528	198	53454	19.555	ng		98
66) n-Nitrosodiphenylamine	10.598	169	545886	20.811	ng		99
67) 4-Bromophenyl-phenylether	10.975	248	182781	20.459	ng		98
68) Hexachlorobenzene	11.039	284	199561	20.307	ng		97
69) Atrazine	11.122	200	138860	20.082	ng		99
70) Pentachlorophenol	11.228	266	102593	19.845	ng		97
71) Phenanthrene	11.451	178	871138	21.083	ng		99
72) Anthracene	11.504	178	893968	21.056	ng		99
73) Carbazole	11.657	167	807082	21.189	ng		99
74) Di-n-butylphthalate	11.992	149	852839	21.293	ng		99
75) Fluoranthene	12.639	202	888973	21.523	ng		99
77) Benzidine	12.763	184	181563	21.110	ng		99
78) Pyrene	12.869	202	900375	21.373	ng		99
80) Butylbenzylphthalate	13.492	149	207602	19.258	ng		99
81) Benzo(a)anthracene	14.057	228	623286	20.336	ng		99
82) 3,3'-Dichlorobenzidine	14.021	252	149520	20.978	ng		98
83) Chrysene	14.092	228	589961	20.676	ng		99
84) Bis(2-ethylhexyl)phtha...	14.051	149	263391	19.237	ng		98
85) Di-n-octyl phthalate	14.668	149	405073	19.581	ng		99
87) Indeno(1,2,3-cd)pyrene	17.062	276	556960	20.421	ng		99
88) Benzo(b)fluoranthene	15.116	252	481134	20.261	ng		100
89) Benzo(k)fluoranthene	15.151	252	456264	20.996	ng		100
90) Benzo(a)pyrene	15.492	252	432151	20.308	ng		100
91) Dibenzo(a,h)anthracene	17.086	278	468301	20.783	ng		99
92) Benzo(g,h,i)perylene	17.515	276	460655	20.598	ng		99

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

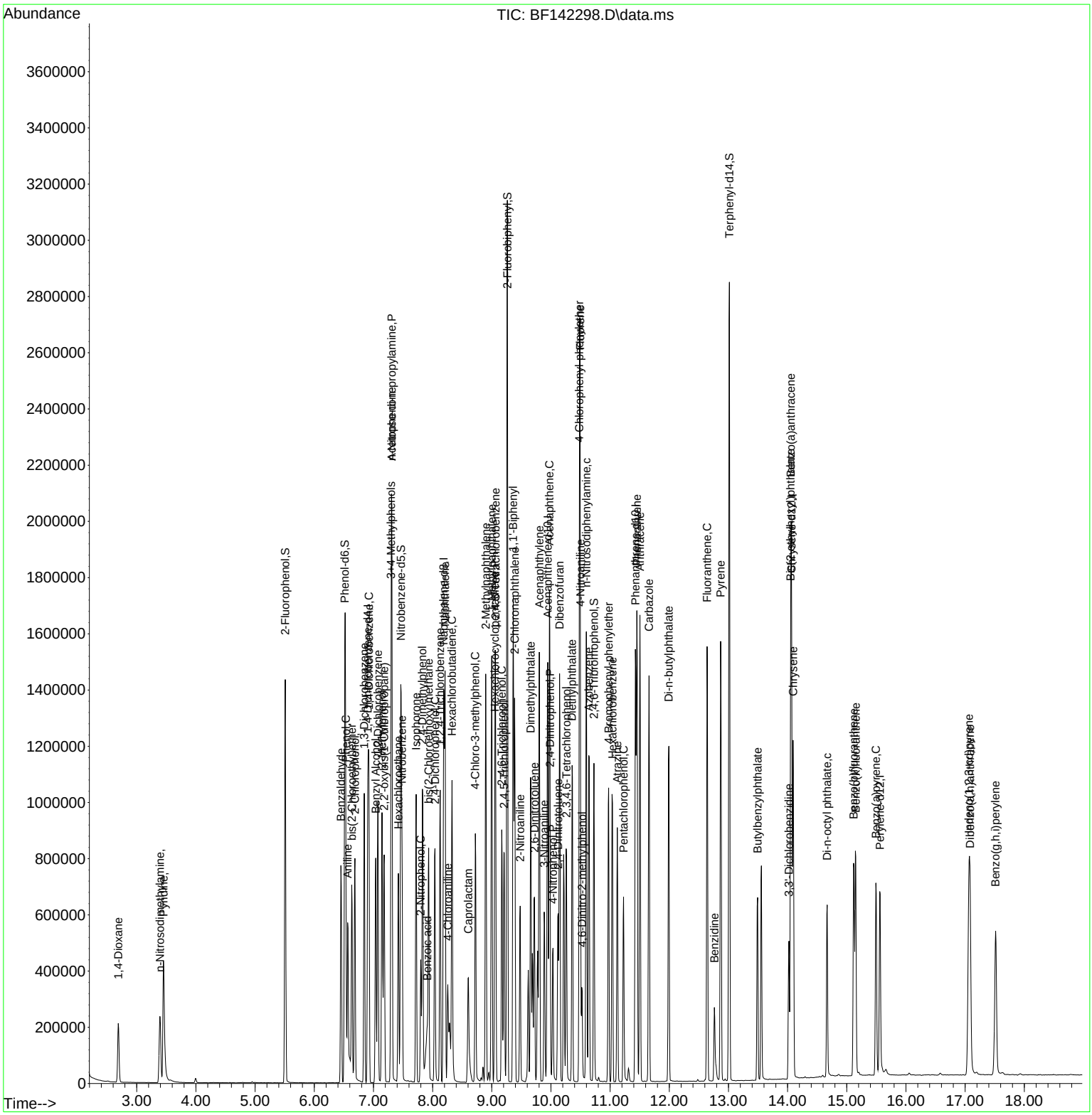
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142298.D
Acq On : 05 May 2025 15:21
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

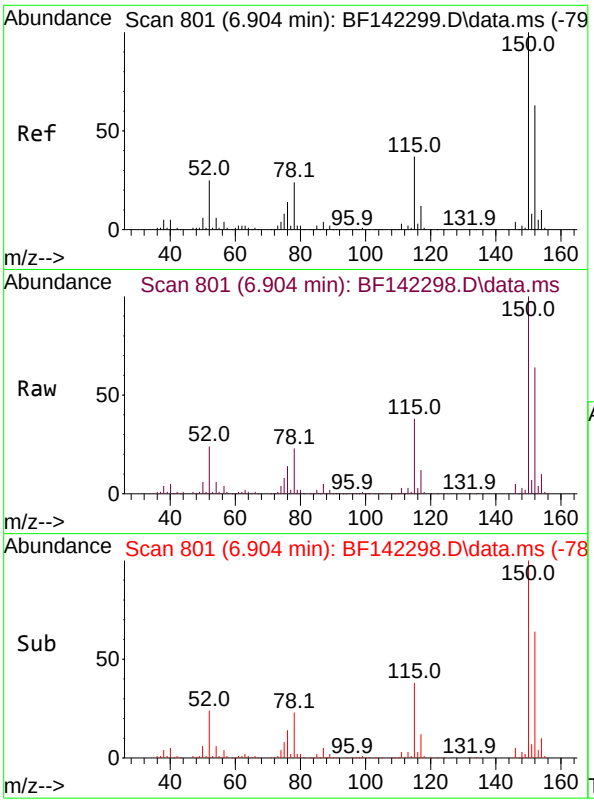
Quant Time: May 05 17:58:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 17:44:56 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

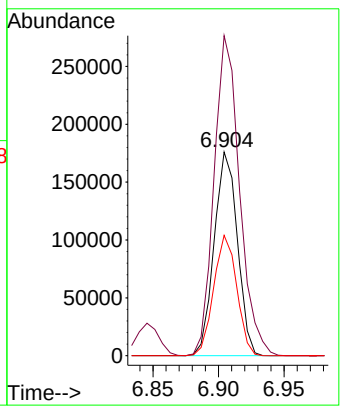




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 8(
Delta R.T. 0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:152 Resp: 21628(

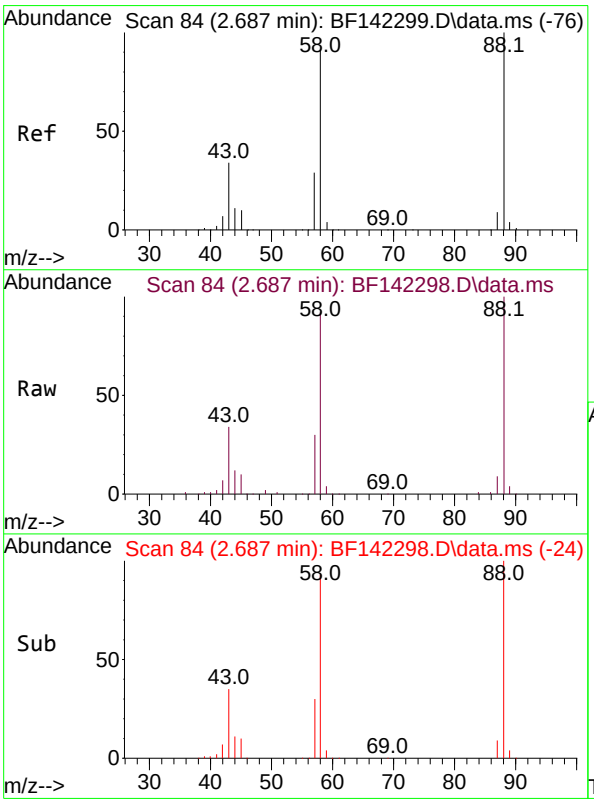
Ion	Ratio	Lower	Upper
152	100		
150	157.2	126.6	190.0
115	59.1	47.3	70.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

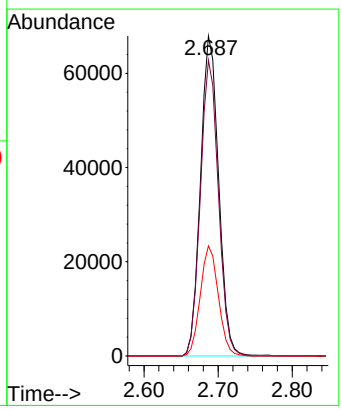
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

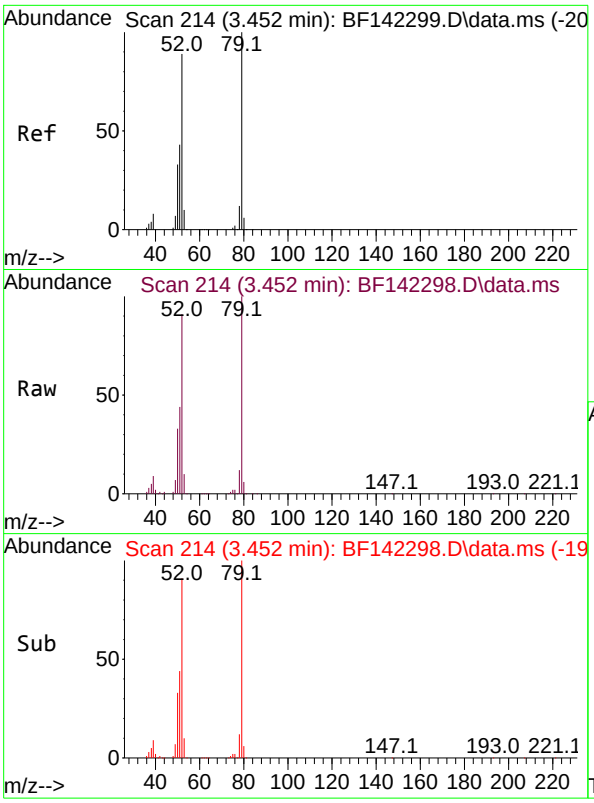


#2
1,4-Dioxane
Concen: 20.274 ng
RT: 2.687 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion: 88 Resp: 115676

Ion	Ratio	Lower	Upper
88	100		
58	91.5	73.0	109.4
43	34.2	27.8	41.6

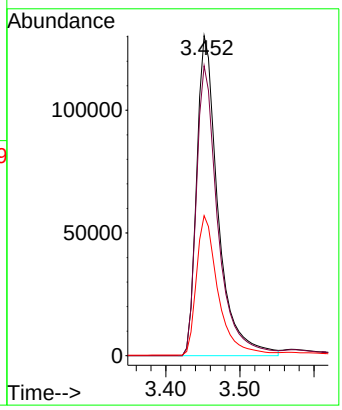




#3
Pyridine
Concen: 19.504 ng
RT: 3.452 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion: 79 Resp: 26166

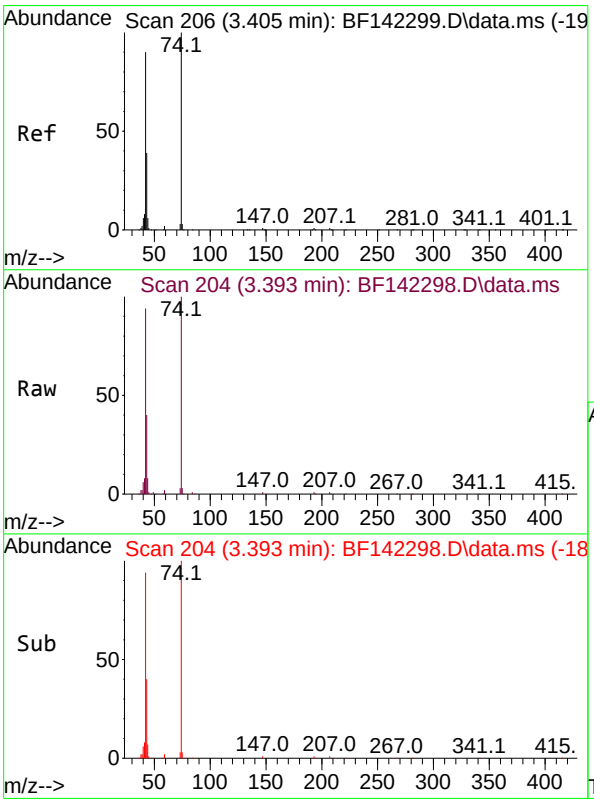
Ion	Ratio	Lower	Upper
79	100		
52	90.6	71.0	106.4
51	43.7	34.9	52.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

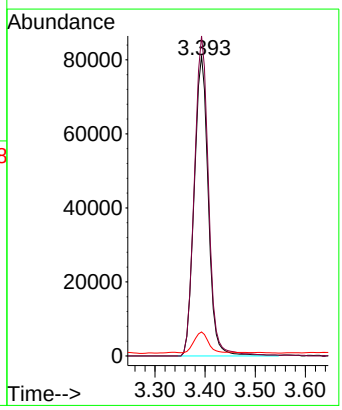
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

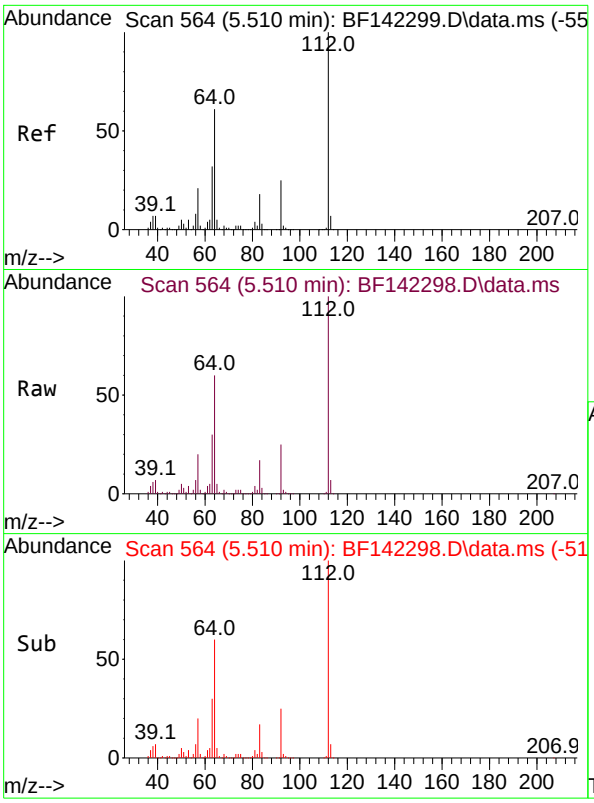


#4
n-Nitrosodimethylamine
Concen: 20.240 ng
RT: 3.393 min Scan# 204
Delta R.T. -0.012 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion: 42 Resp: 157578

Ion	Ratio	Lower	Upper
42	100		
74	106.6	88.5	132.7
44	8.0	5.8	8.8

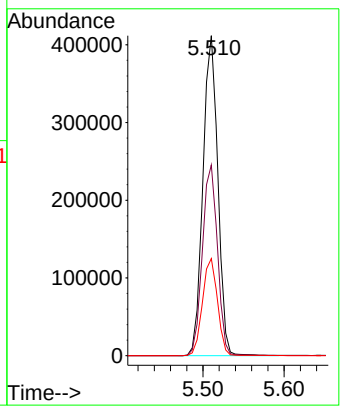




#5
2-Fluorophenol
Concen: 41.358 ng
RT: 5.510 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:112 Resp: 52400

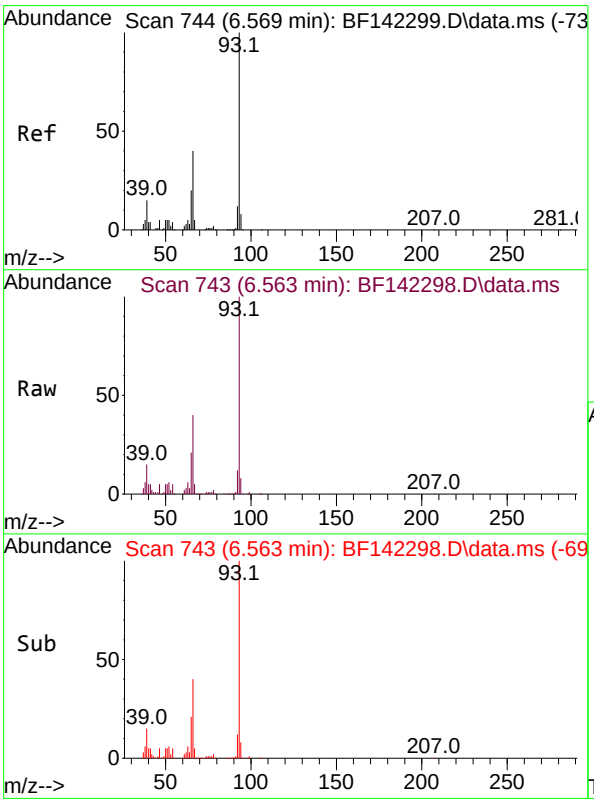
Ion	Ratio	Lower	Upper
112	100		
64	59.6	48.9	73.3
63	30.4	25.6	38.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

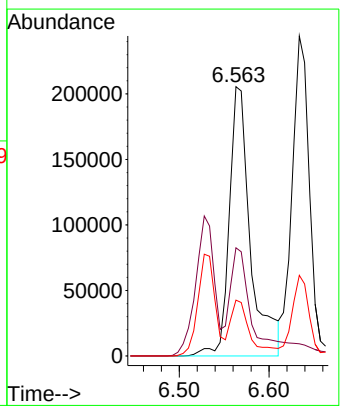
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

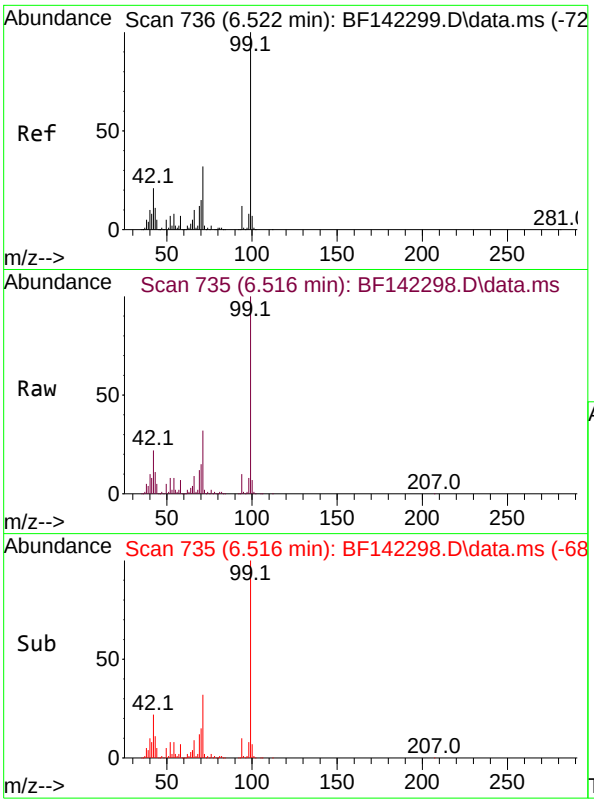


#6
Aniline
Concen: 22.194 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion: 93 Resp: 339232

Ion	Ratio	Lower	Upper
93	100		
66	40.2	32.2	48.4
65	20.8	16.3	24.5

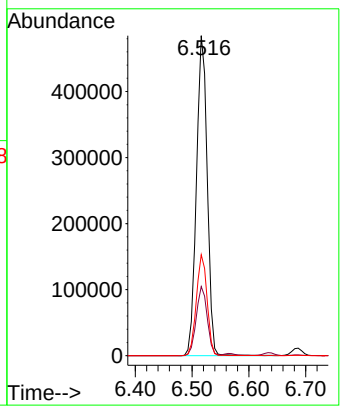




#7
Phenol-d6
Concen: 41.341 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion: 99 Resp: 64422

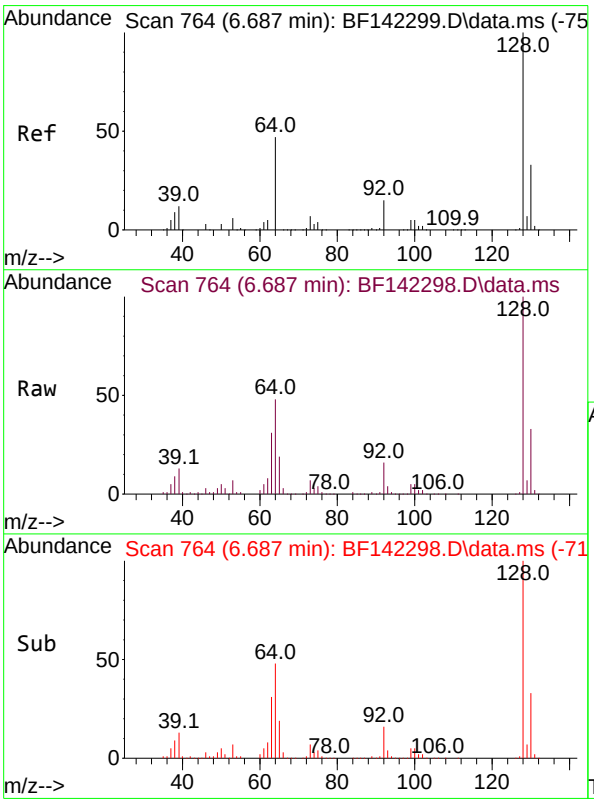
Ion	Ratio	Lower	Upper
99	100		
42	21.6	17.0	25.4
71	31.6	25.8	38.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

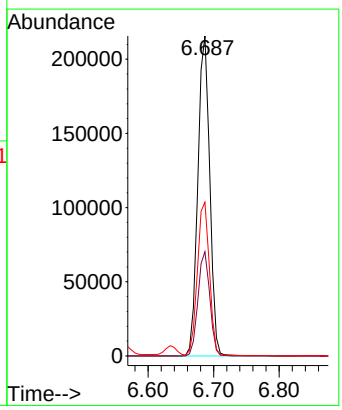
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

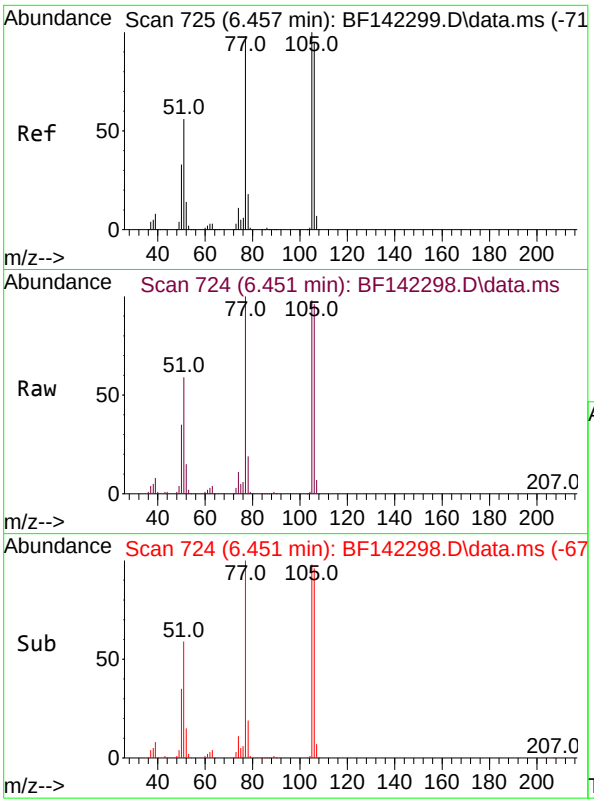


#8
2-Chlorophenol
Concen: 20.174 ng
RT: 6.687 min Scan# 764
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:128 Resp: 273145

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.7	52.7
64	48.0	29.2	69.2

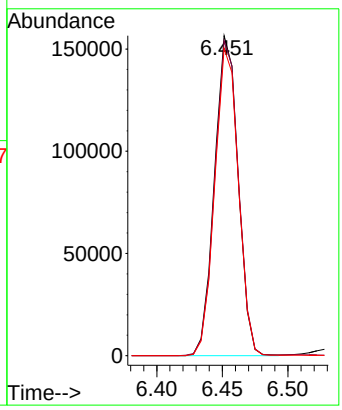




#9
Benzaldehyde
Concen: 21.418 ng
RT: 6.451 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion: 77 Resp: 19534

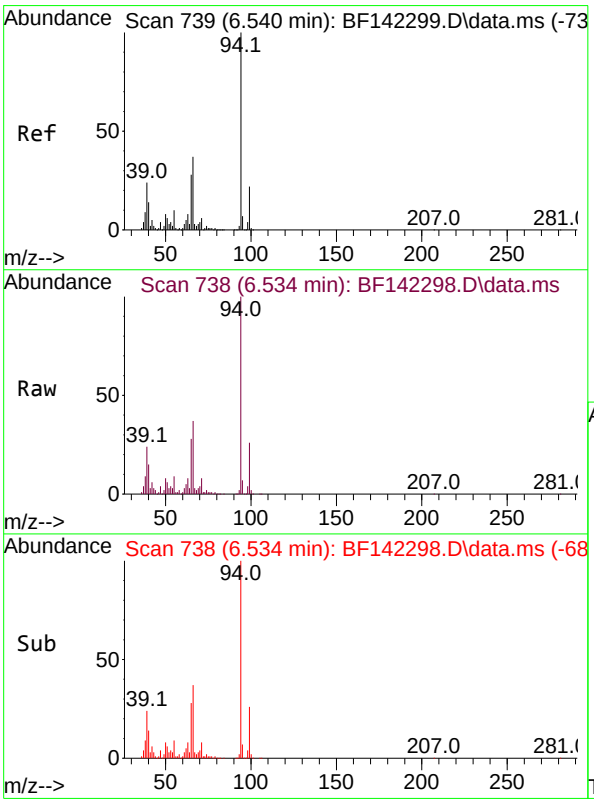
Ion	Ratio	Lower	Upper
77	100		
105	98.4	82.0	122.0
106	96.1	77.2	117.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

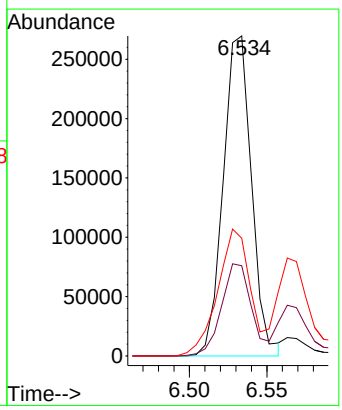
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

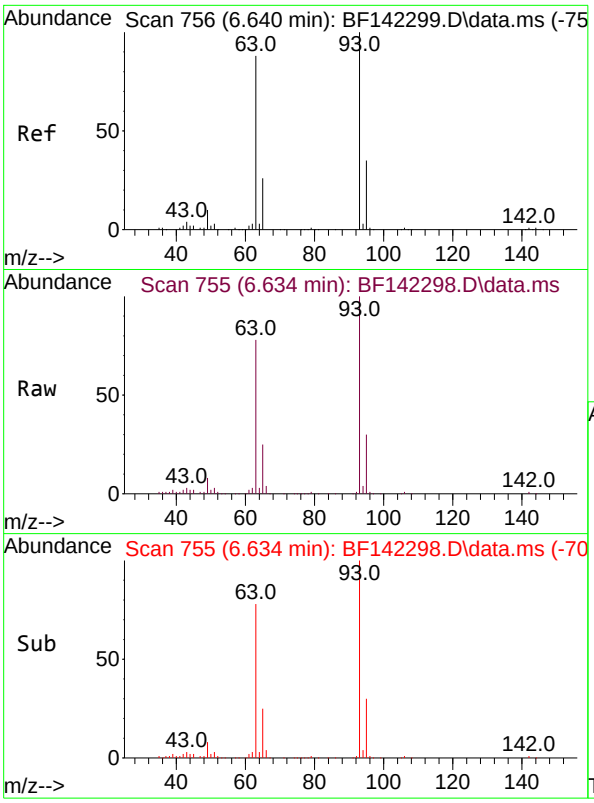


#10
Phenol
Concen: 20.739 ng
RT: 6.534 min Scan# 738
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion: 94 Resp: 342565

Ion	Ratio	Lower	Upper
94	100		
65	28.2	8.5	48.5
66	36.8	17.3	57.3

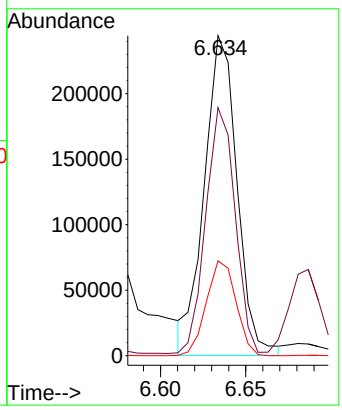




#11
bis(2-Chloroethyl)ether
Concen: 20.046 ng
RT: 6.634 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion: 93 Resp: 32653

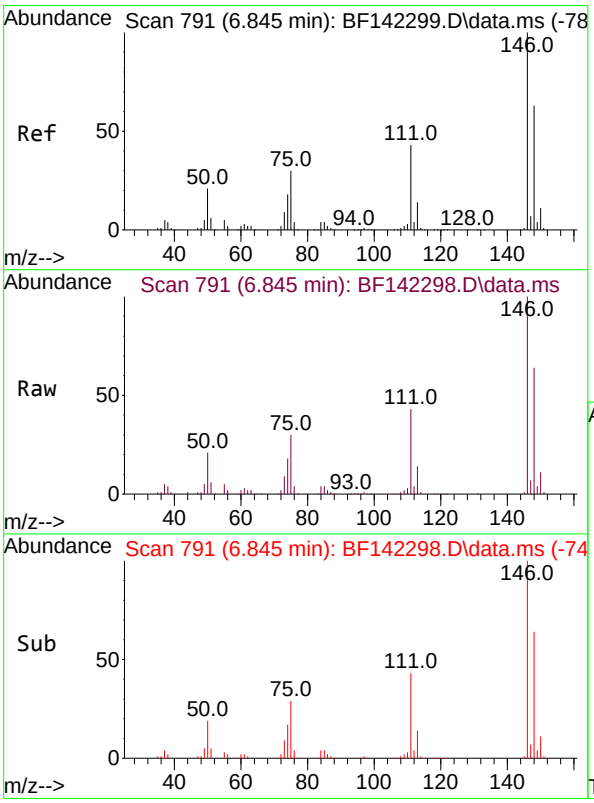
Ion	Ratio	Lower	Upper
93	100		
63	77.5	58.4	98.4
95	29.7	10.6	50.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

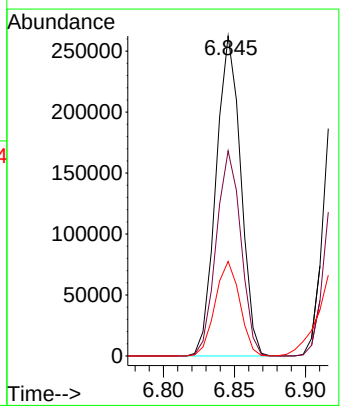
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

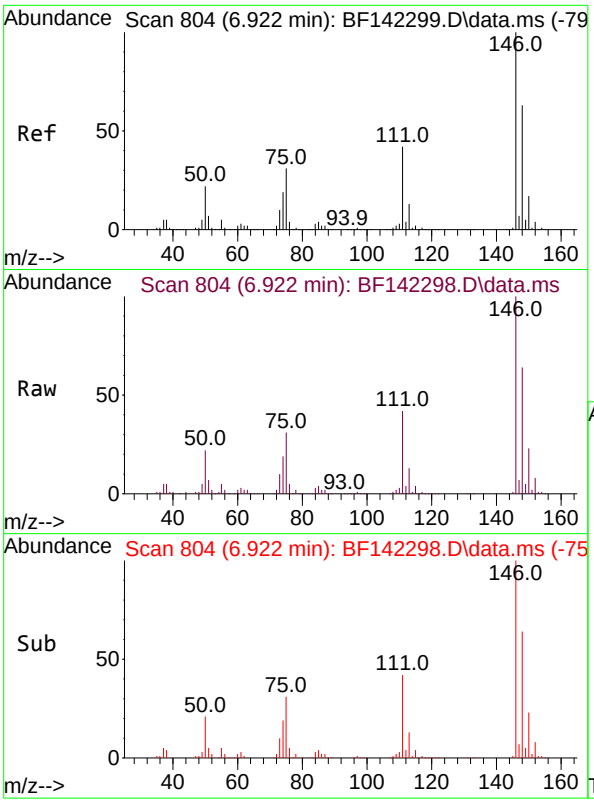


#12
1,3-Dichlorobenzene
Concen: 20.472 ng
RT: 6.845 min Scan# 791
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:146 Resp: 317103

Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.6	76.0
75	29.5	24.2	36.4

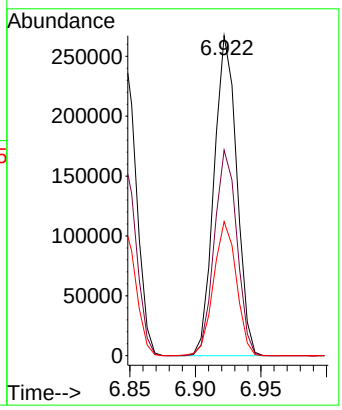




#13
1,4-Dichlorobenzene
Concen: 20.669 ng
RT: 6.922 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:146 Resp: 32144

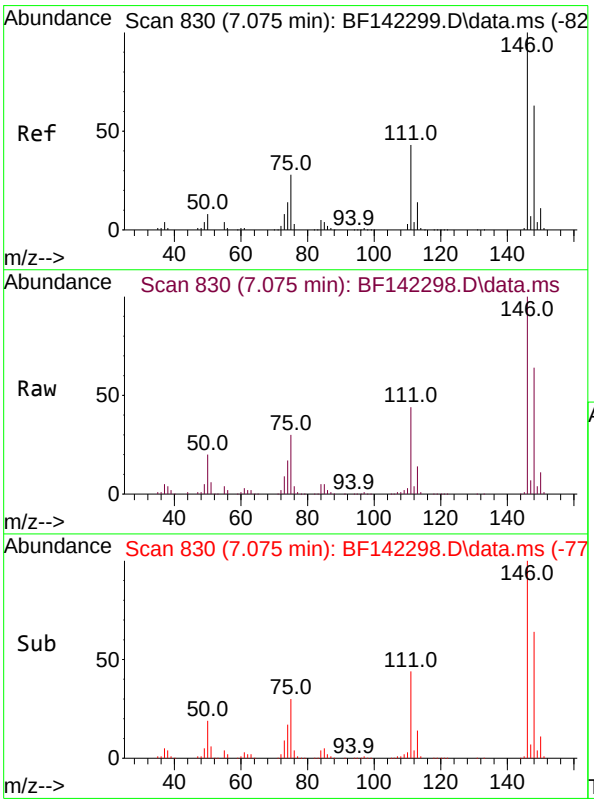
Ion	Ratio	Lower	Upper
146	100		
148	64.3	50.5	75.7
111	41.9	33.4	50.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

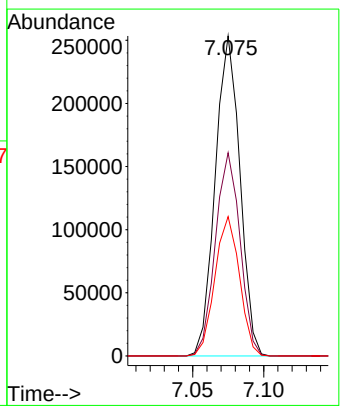
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

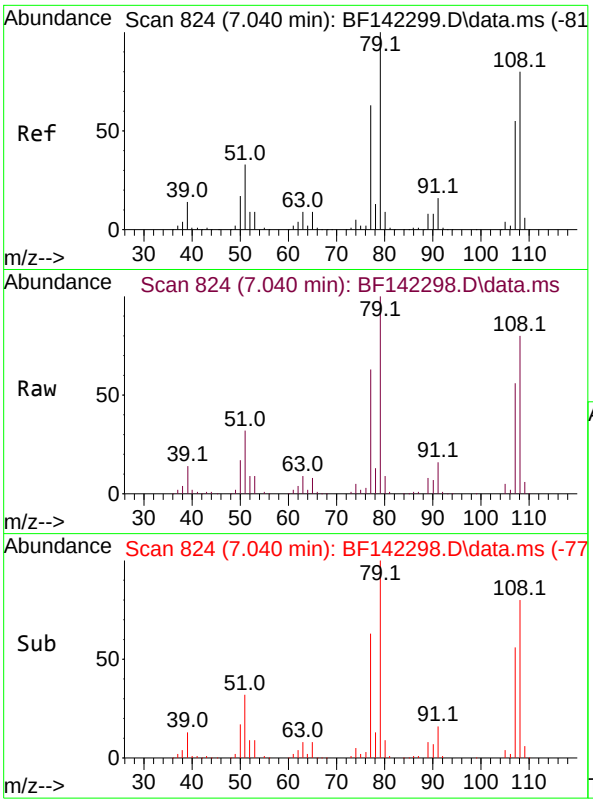


#14
1,2-Dichlorobenzene
Concen: 20.500 ng
RT: 7.075 min Scan# 830
Delta R.T. 0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:146 Resp: 306024

Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.3	75.5
111	43.5	34.5	51.7





#15
Benzyl Alcohol
Concen: 19.996 ng
RT: 7.040 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

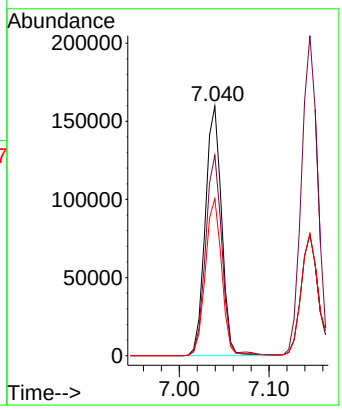
Tgt Ion: 79 Resp: 20176

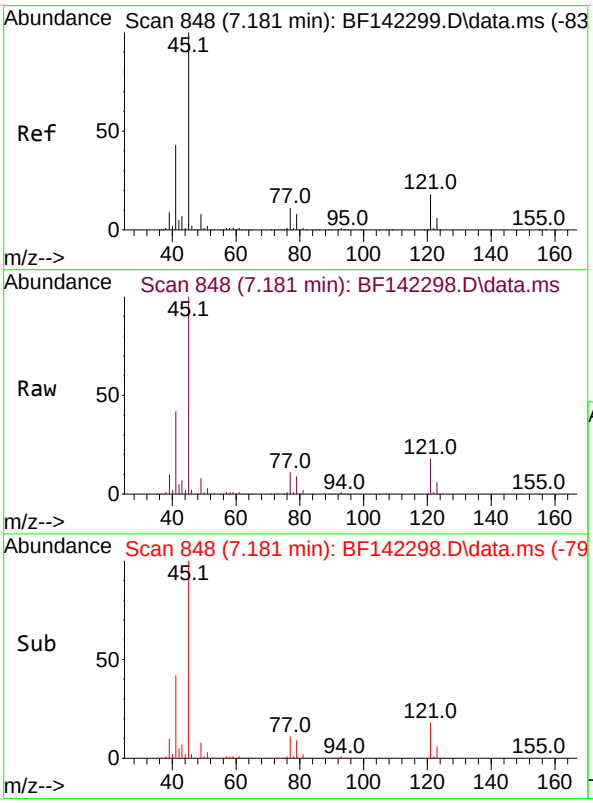
Ion	Ratio	Lower	Upper
79	100		
108	80.3	63.9	95.9
77	62.9	50.7	76.1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

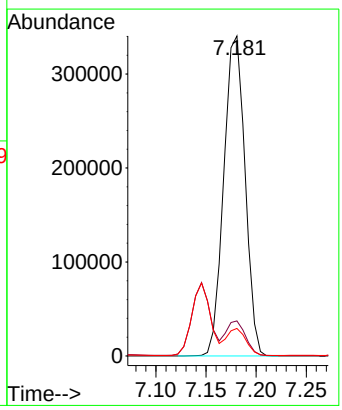


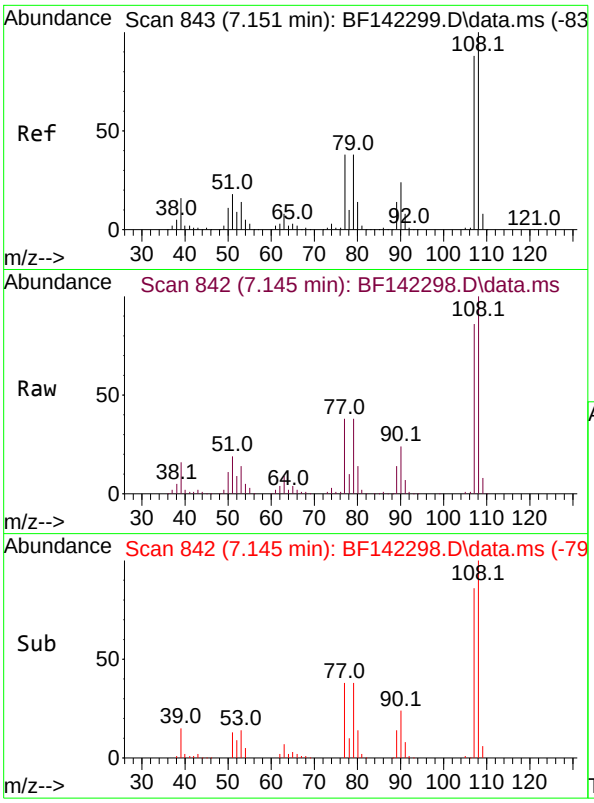


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.672 ng
RT: 7.181 min Scan# 848
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion: 45 Resp: 502839

Ion	Ratio	Lower	Upper
45	100		
77	11.0	0.0	31.2
79	8.6	0.0	28.5

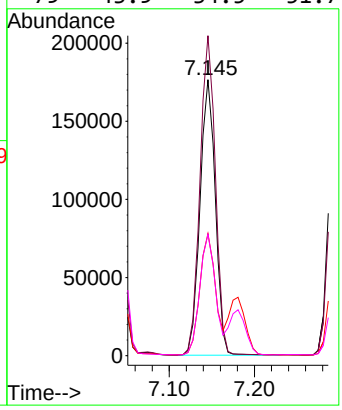




#17
2-Methylphenol
Concen: 20.166 ng
RT: 7.145 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:107 Resp: 22104

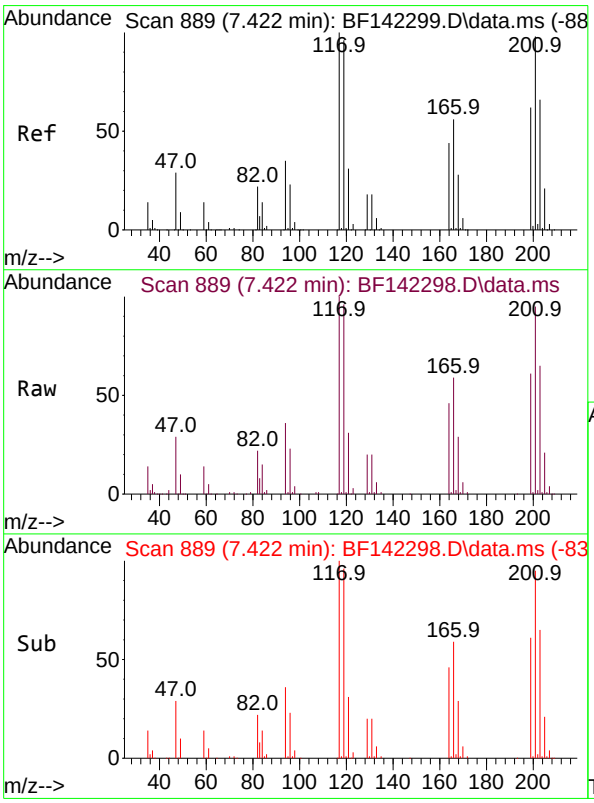
Ion	Ratio	Lower	Upper
107	100		
108	115.9	91.1	136.7
77	44.2	34.7	52.1
79	43.9	34.5	51.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

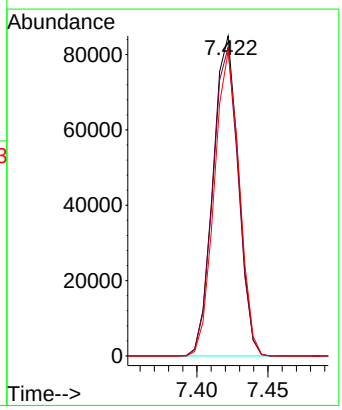
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

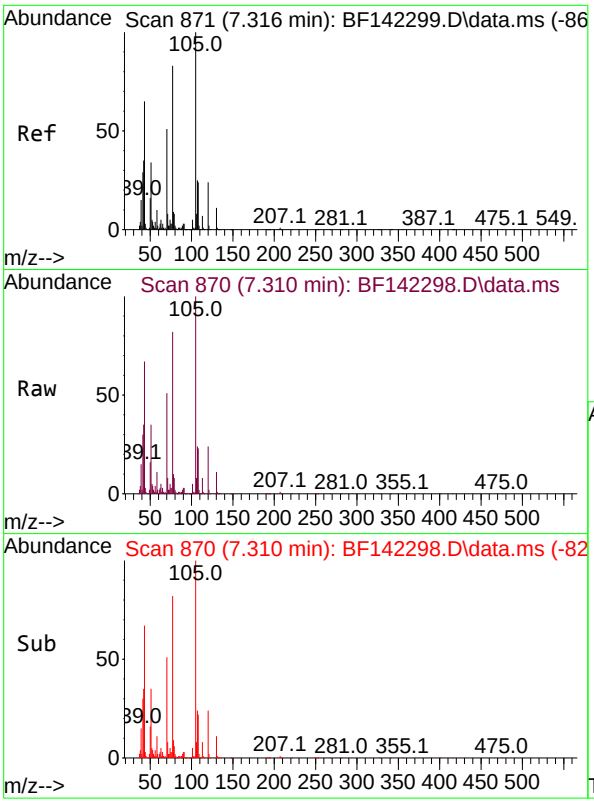


#18
Hexachloroethane
Concen: 20.413 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:117 Resp: 105630

Ion	Ratio	Lower	Upper
117	100		
119	96.5	76.9	115.3
201	95.1	78.0	117.0

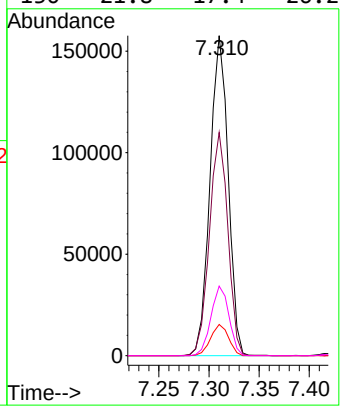




#19
n-Nitroso-di-n-propylamine
Concen: 20.599 ng
RT: 7.310 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion: 70 Resp: 19855

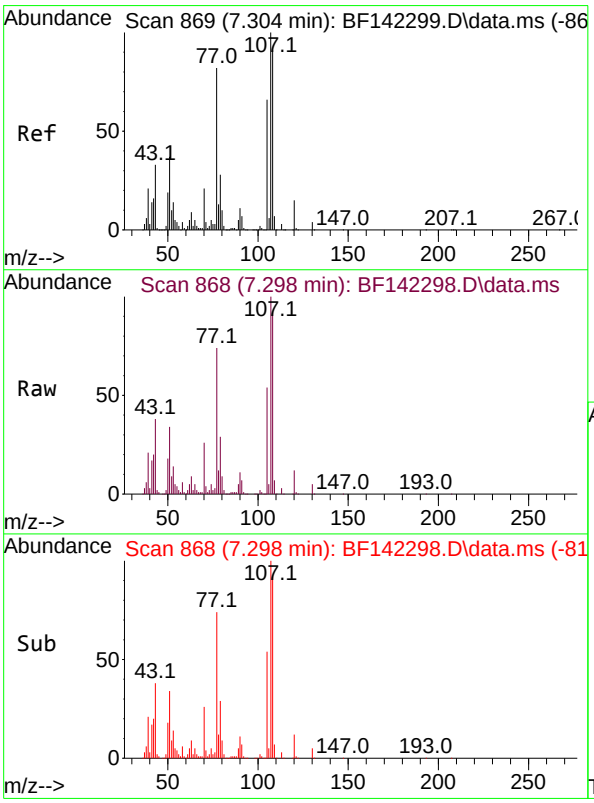
Ion	Ratio	Lower	Upper
70	100		
42	69.7	54.8	82.2
101	9.7	7.7	11.5
130	21.8	17.4	26.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

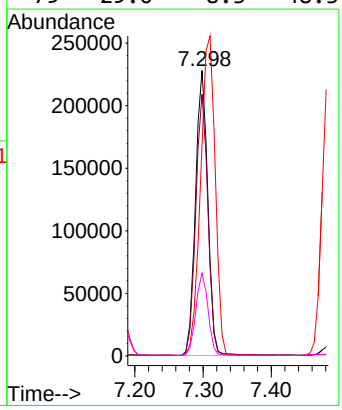
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

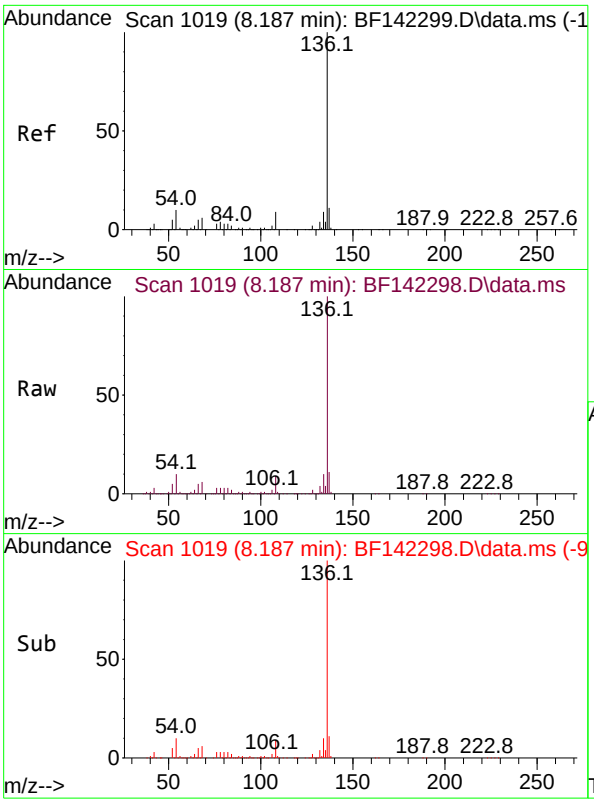


#20
3+4-Methylphenols
Concen: 20.896 ng
RT: 7.298 min Scan# 868
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:107 Resp: 285863

Ion	Ratio	Lower	Upper
107	100		
108	91.7	71.5	111.5
77	74.1	61.6	101.6
79	29.0	8.3	48.3

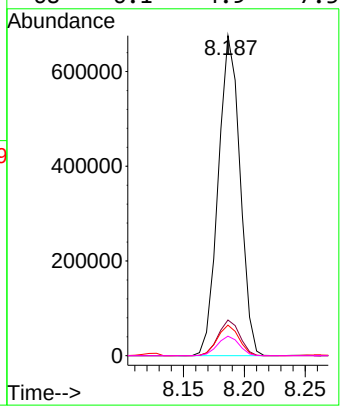




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:136 Resp: 84203

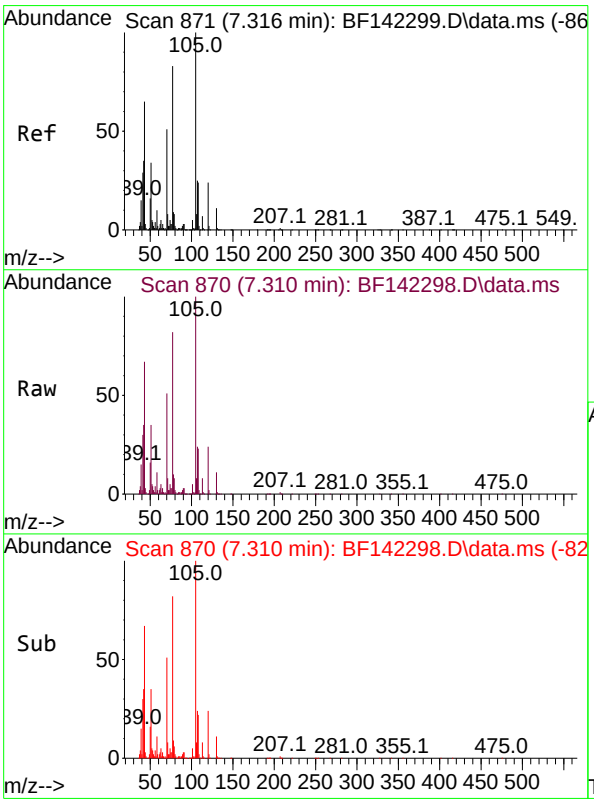
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	9.5	7.7	11.5
68	6.1	4.9	7.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

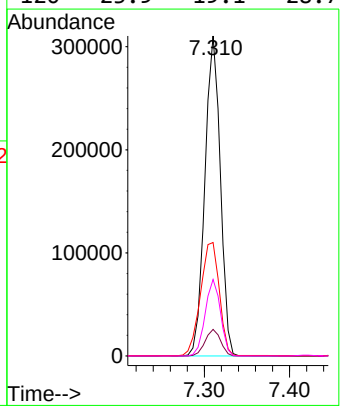
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

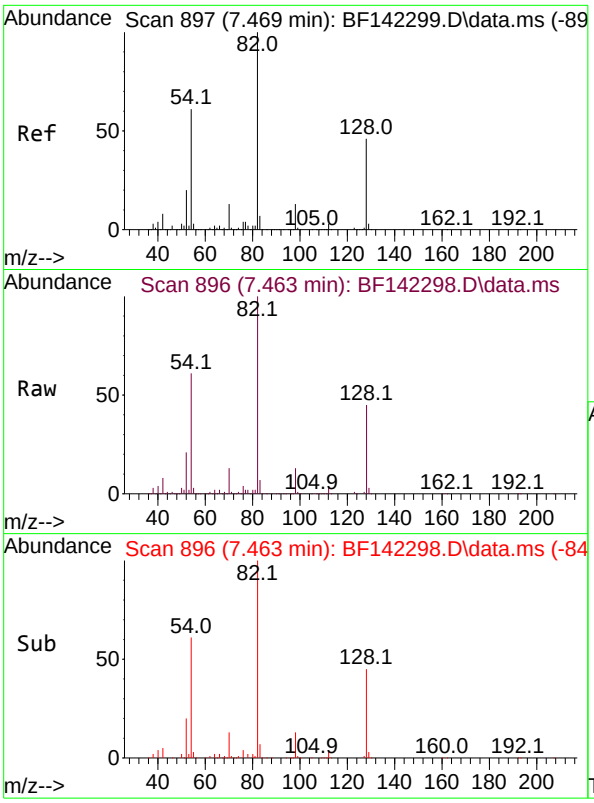


#22
Acetophenone
Concen: 20.871 ng
RT: 7.310 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:105 Resp: 390755

Ion	Ratio	Lower	Upper
105	100		
71	8.3	6.7	10.1
51	35.5	27.6	41.4
120	23.9	19.1	28.7

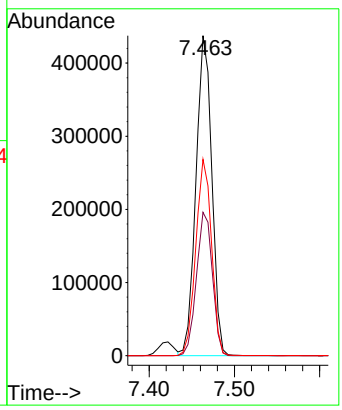




#23
Nitrobenzene-d5
Concen: 40.944 ng
RT: 7.463 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion: 82 Resp: 56530

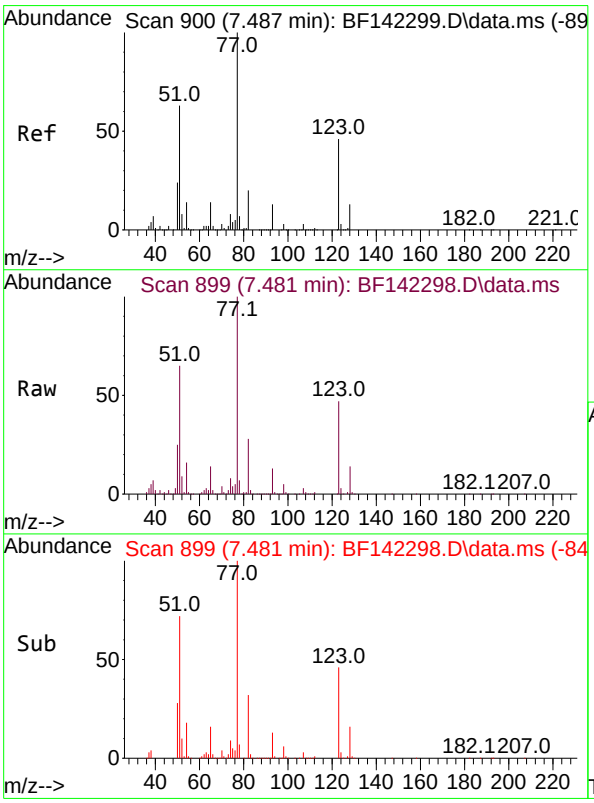
Ion	Ratio	Lower	Upper
82	100		
128	44.8	37.0	55.6
54	61.4	48.6	73.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

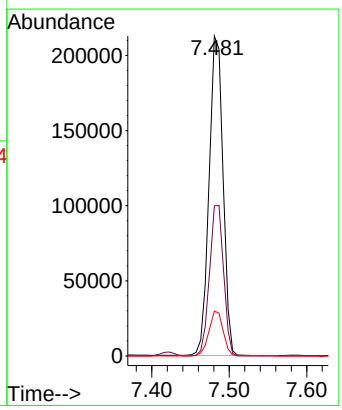
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

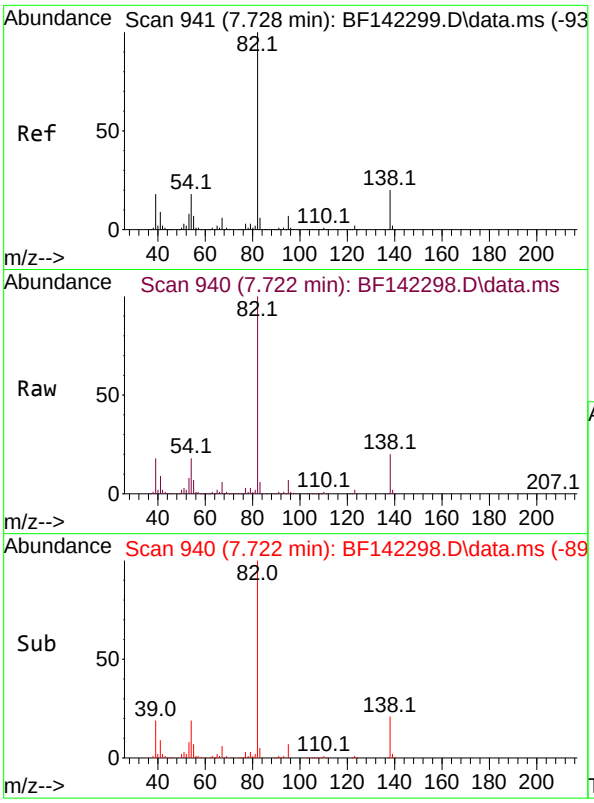


#24
Nitrobenzene
Concen: 20.474 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion: 77 Resp: 266464

Ion	Ratio	Lower	Upper
77	100		
123	46.9	37.8	56.8
65	14.0	11.4	17.0

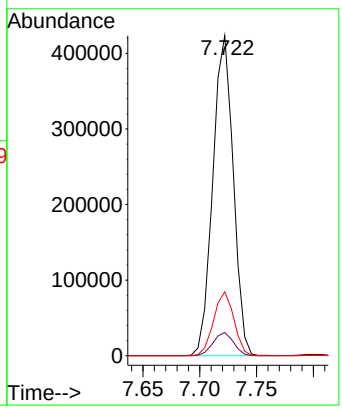




#25
Isophorone
Concen: 20.291 ng
RT: 7.722 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion: 82 Resp: 530519

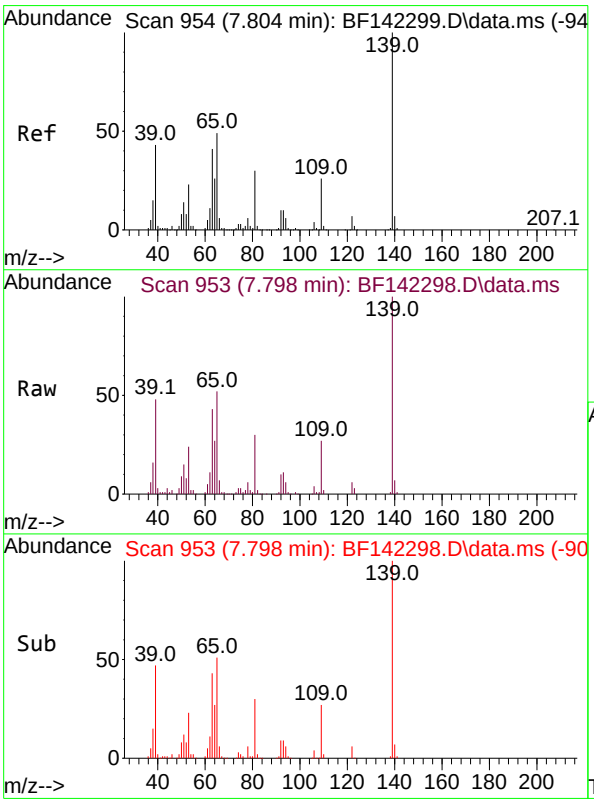
Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.8	8.8
138	20.0	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

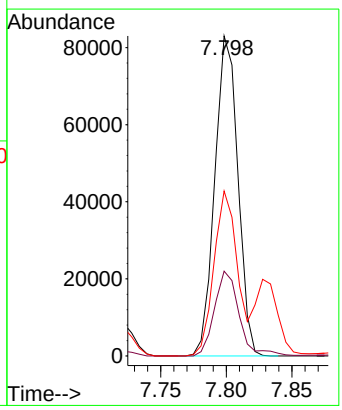
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

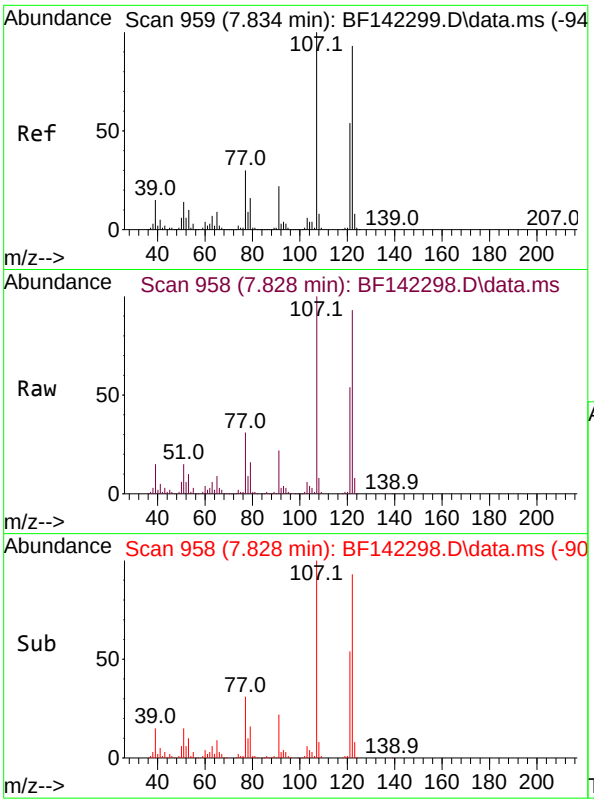


#26
2-Nitrophenol
Concen: 18.889 ng
RT: 7.798 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:139 Resp: 101497

Ion	Ratio	Lower	Upper
139	100		
109	26.5	20.8	31.2
65	51.5	38.9	58.3

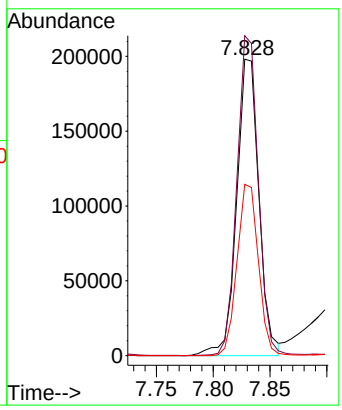




#27
2,4-Dimethylphenol
Concen: 20.543 ng
RT: 7.828 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:122 Resp: 27003

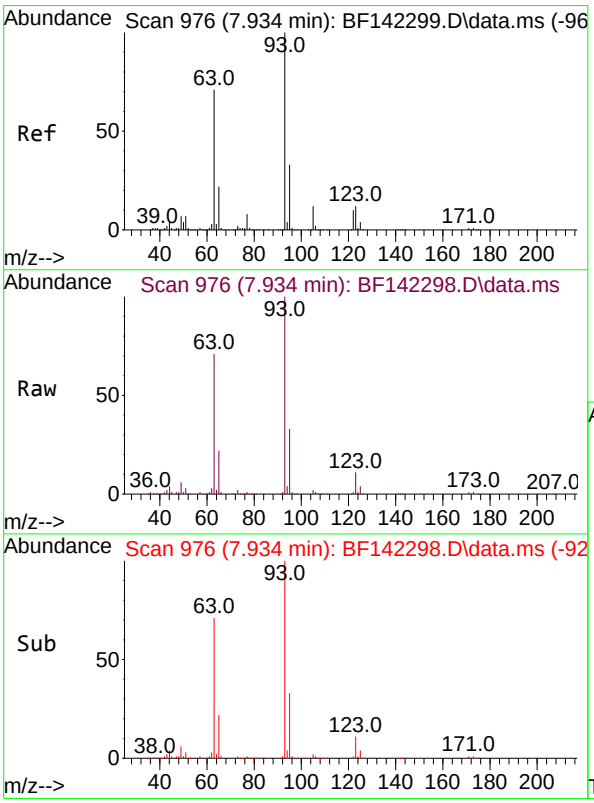
Ion	Ratio	Lower	Upper
122	100		
107	107.9	86.0	129.0
121	57.8	46.2	69.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

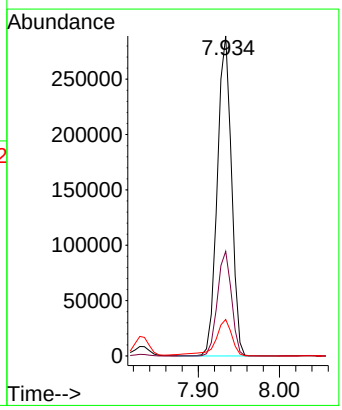
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

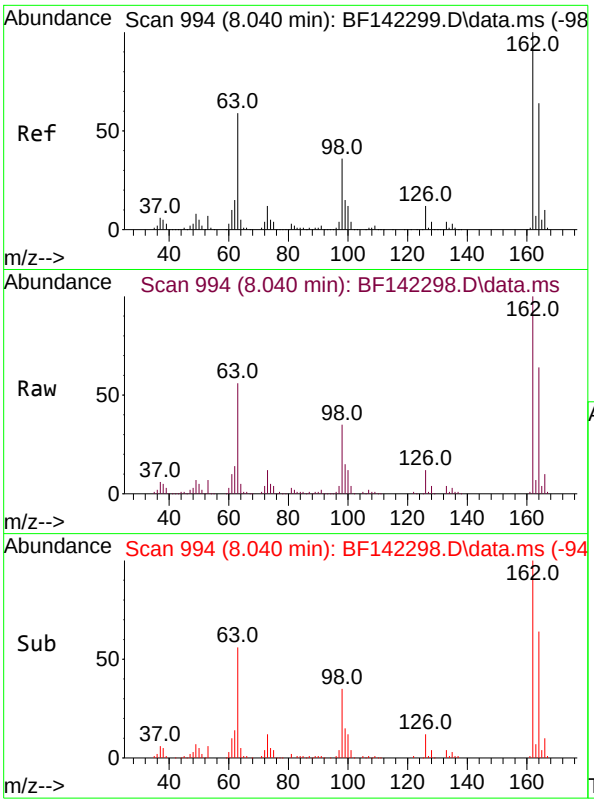


#28
bis(2-Chloroethoxy)methane
Concen: 20.919 ng
RT: 7.934 min Scan# 976
Delta R.T. 0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion: 93 Resp: 351686

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.1	39.1
123	11.4	10.2	15.4

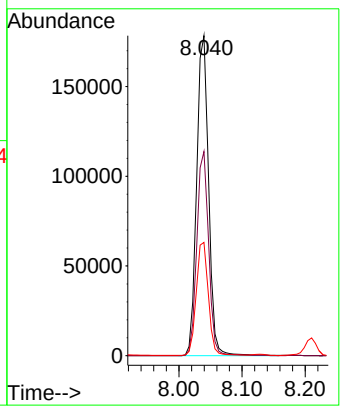




#29
2,4-Dichlorophenol
Concen: 20.924 ng
RT: 8.040 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:162 Resp: 23384

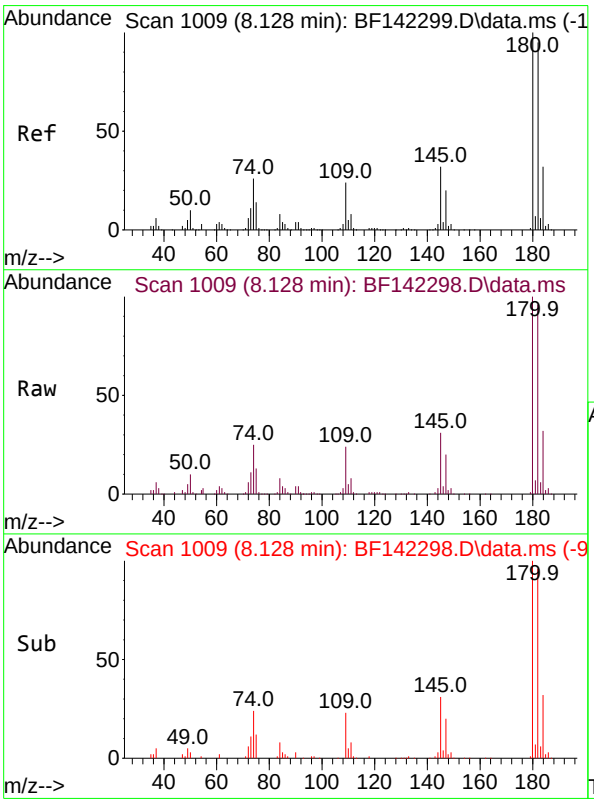
Ion	Ratio	Lower	Upper
162	100		
164	63.8	43.6	83.6
98	35.4	16.5	56.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

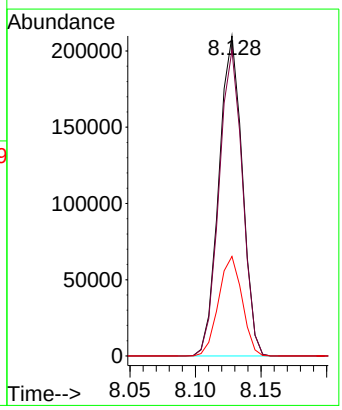
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

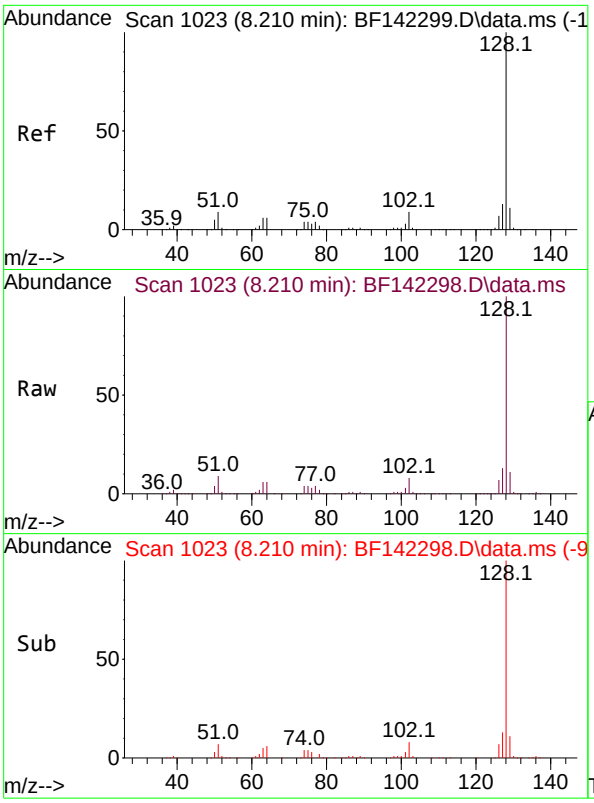


#30
1,2,4-Trichlorobenzene
Concen: 20.674 ng
RT: 8.128 min Scan# 1009
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:180 Resp: 260029

Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.2	114.4
145	31.1	25.8	38.6

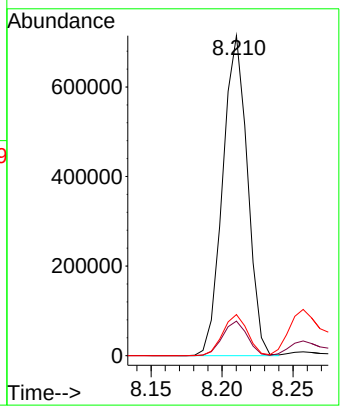




#31
Naphthalene
Concen: 21.209 ng
RT: 8.210 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:128 Resp: 86555

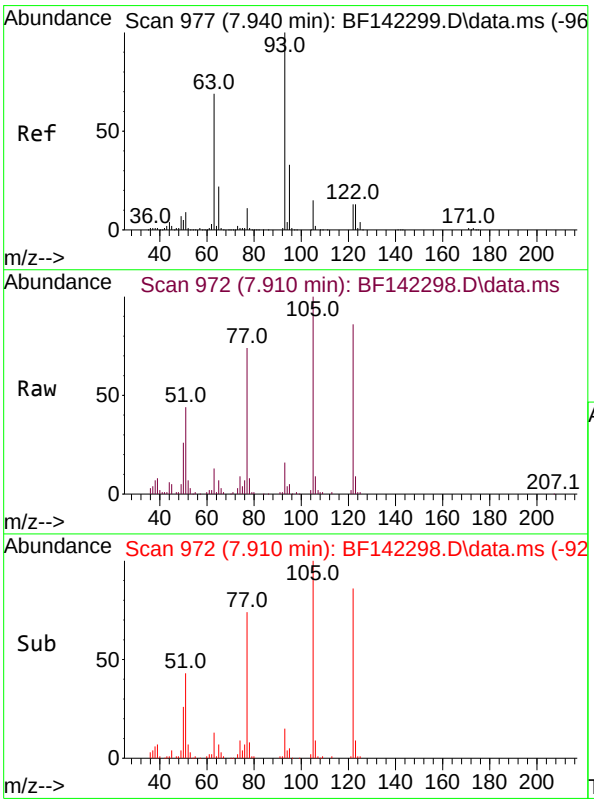
Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.1	13.7
127	12.9	10.5	15.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

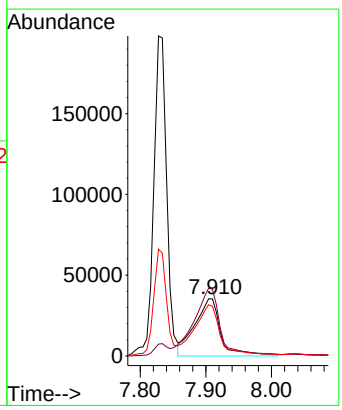
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

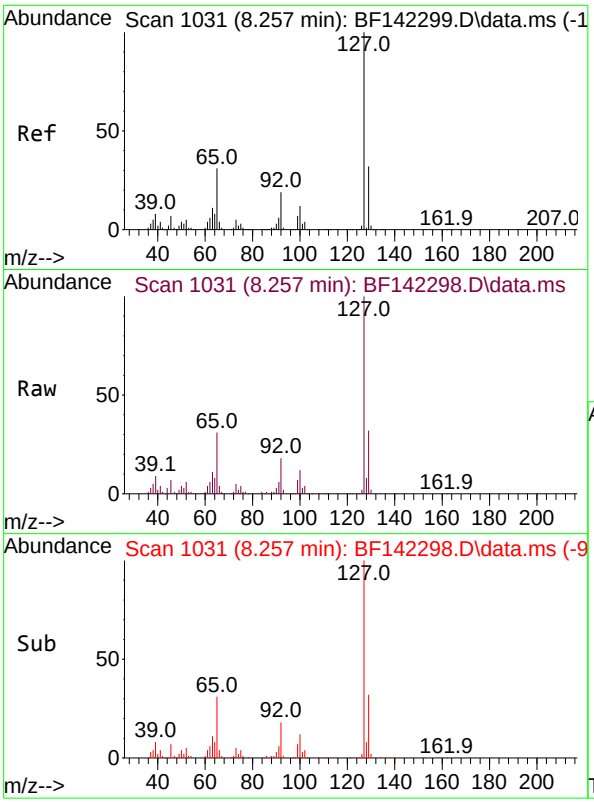


#32
Benzoic acid
Concen: 19.691 ng m
RT: 7.910 min Scan# 972
Delta R.T. -0.030 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:122 Resp: 98814

Ion	Ratio	Lower	Upper
122	100		
105	116.9	97.9	137.9
77	87.0	67.7	107.7

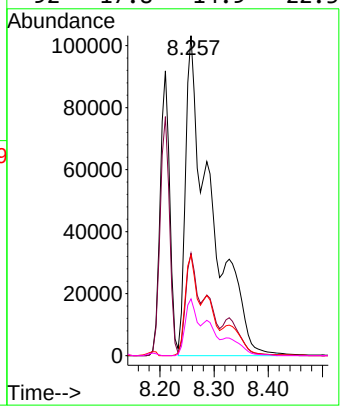




#33
4-Chloroaniline
Concen: 20.165 ng m
RT: 8.257 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:127 Resp: 33519

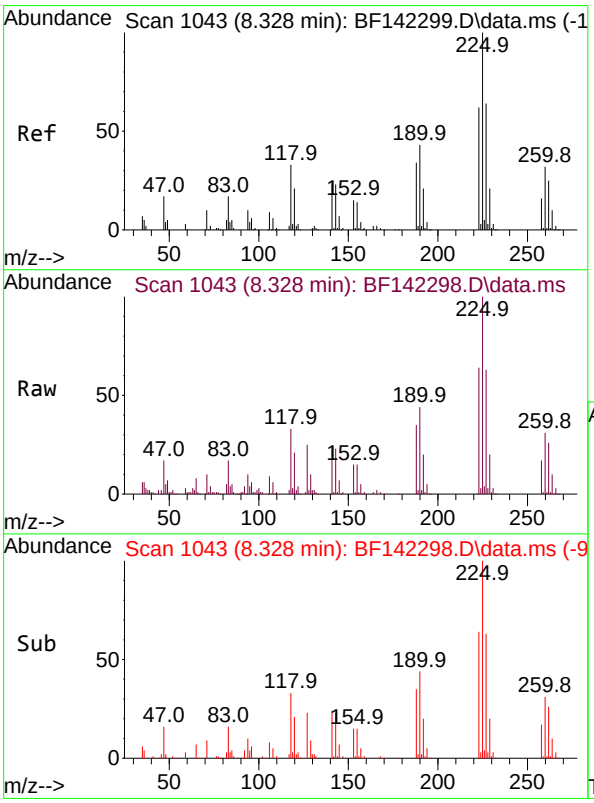
Ion	Ratio	Lower	Upper
127	100		
129	32.0	25.7	38.5
65	31.4	24.9	37.3
92	17.8	14.9	22.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

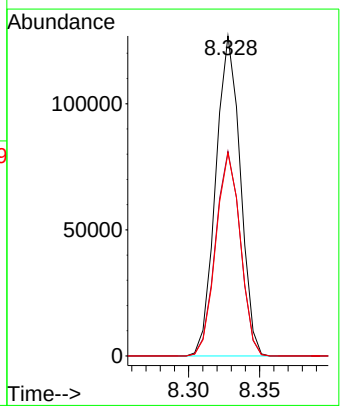
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

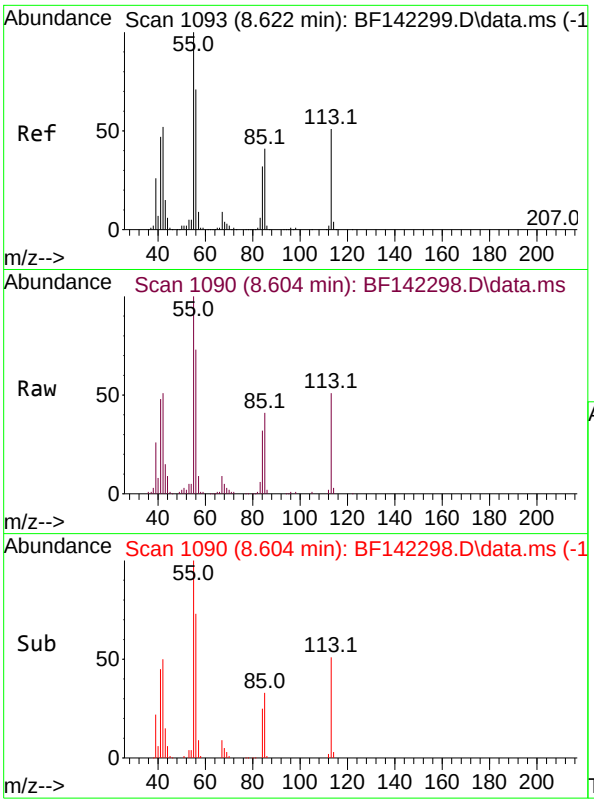


#34
Hexachlorobutadiene
Concen: 20.449 ng
RT: 8.328 min Scan# 1043
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:225 Resp: 152292

Ion	Ratio	Lower	Upper
225	100		
223	63.9	49.8	74.6
227	63.4	50.9	76.3

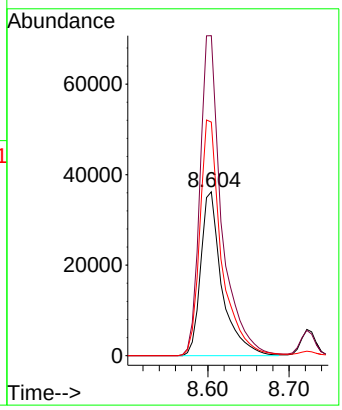




#35
Caprolactam
Concen: 20.272 ng
RT: 8.604 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:113 Resp: 6588

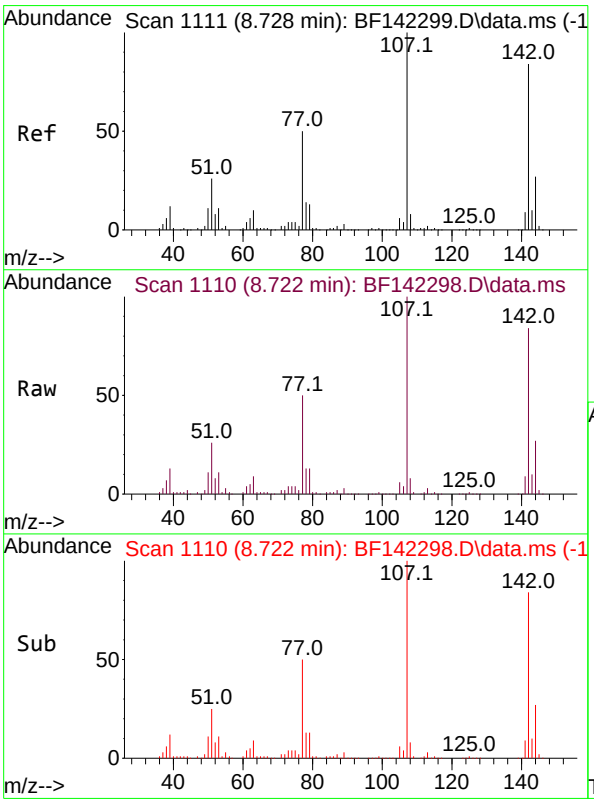
Ion	Ratio	Lower	Upper
113	100		
55	195.2	176.4	216.4
56	142.6	120.3	160.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

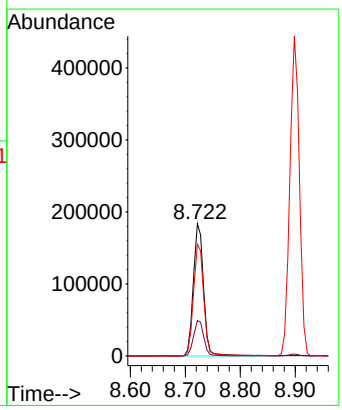
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

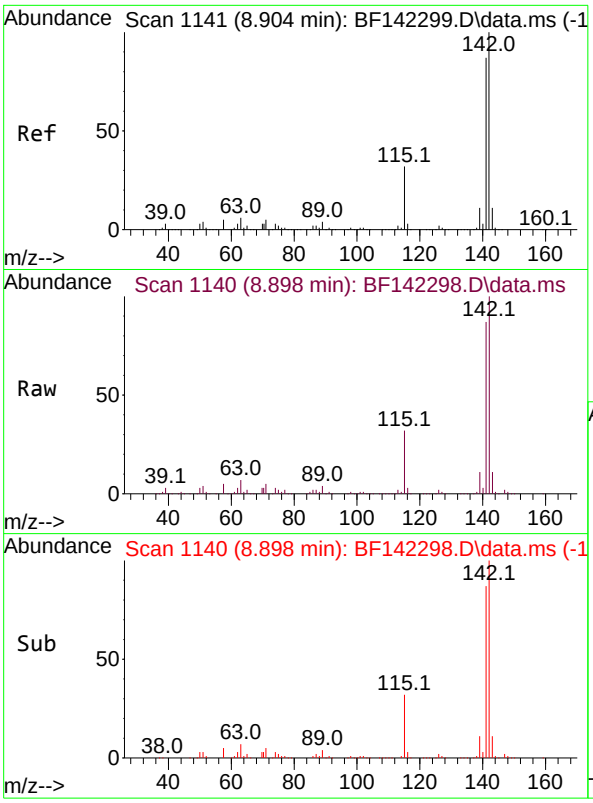


#36
4-Chloro-3-methylphenol
Concen: 20.539 ng
RT: 8.722 min Scan# 1110
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:107 Resp: 238603

Ion	Ratio	Lower	Upper
107	100		
144	26.8	21.3	31.9
142	84.4	66.9	100.3





#37
2-Methylnaphthalene
Concen: 21.095 ng
RT: 8.898 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

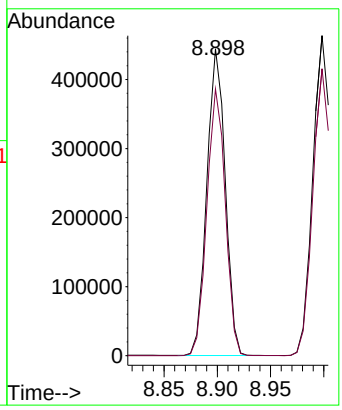
Tgt Ion:142 Resp: 53493

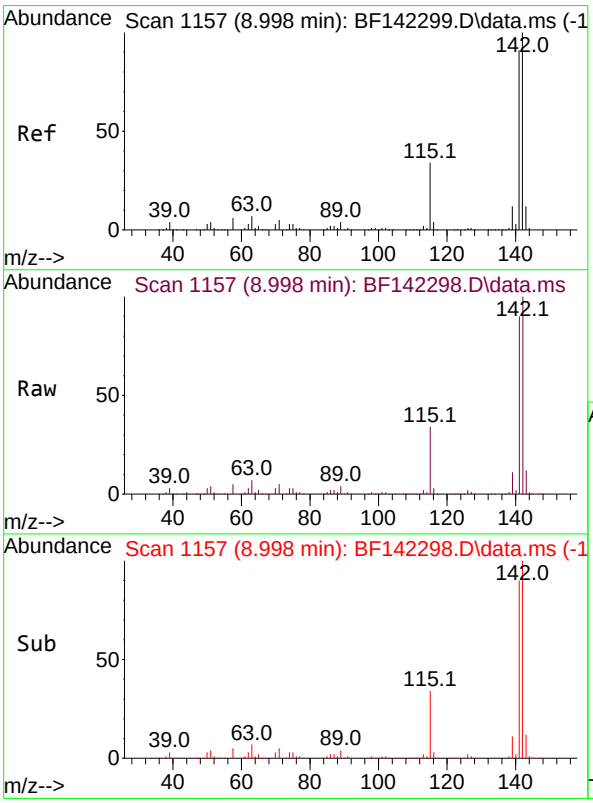
Ion	Ratio	Lower	Upper
142	100		
141	86.9	69.4	104.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

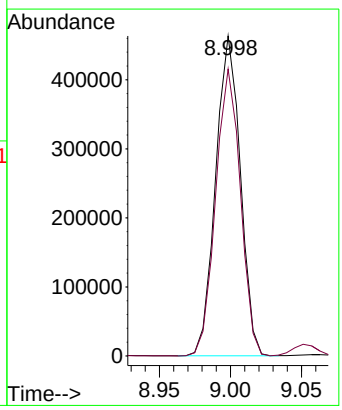


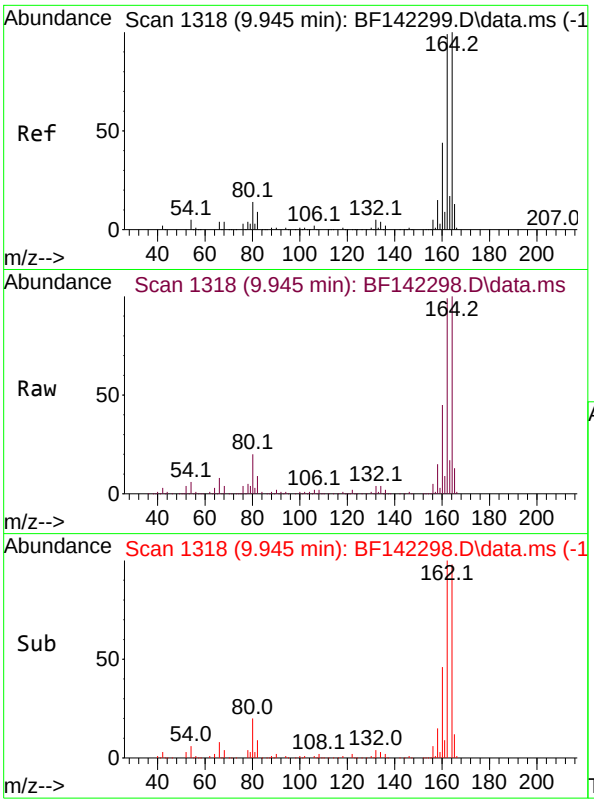


#38
1-Methylnaphthalene
Concen: 21.183 ng
RT: 8.998 min Scan# 1157
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:142 Resp: 559888

Ion	Ratio	Lower	Upper
142	100		
141	89.7	72.5	108.7

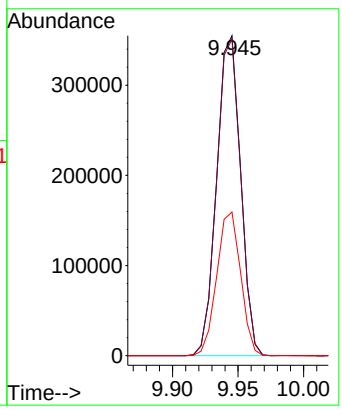




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:164 Resp: 44942

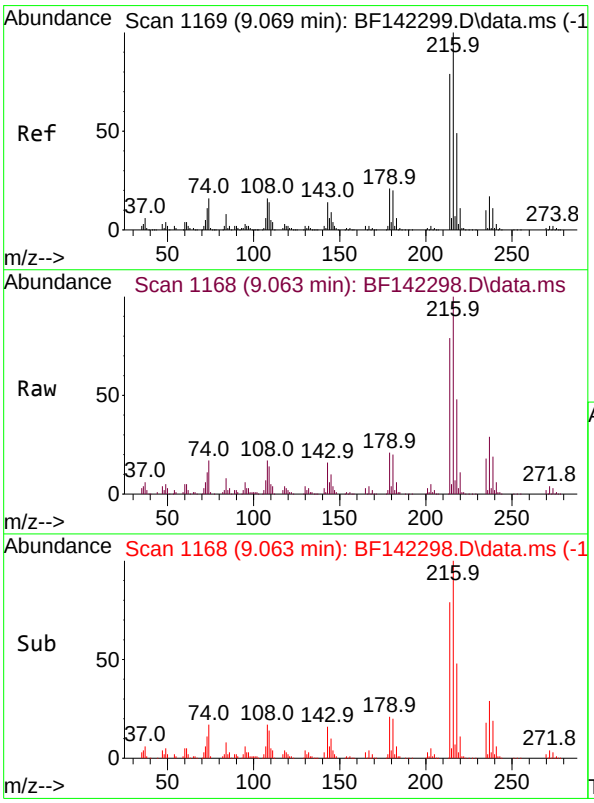
Ion	Ratio	Lower	Upper
164	100		
162	98.9	79.2	118.8
160	44.9	35.3	52.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

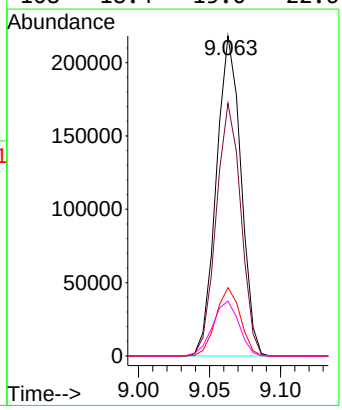
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

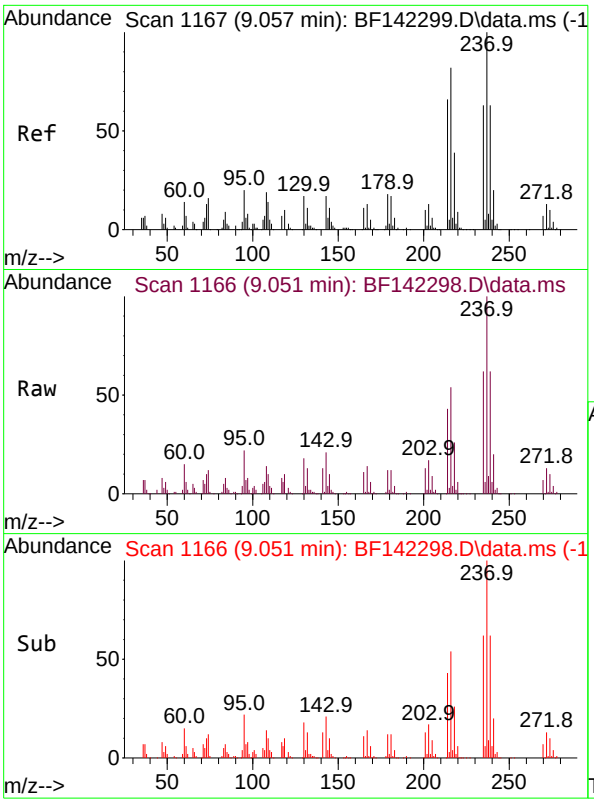


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.966 ng
RT: 9.063 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:216 Resp: 263169

Ion	Ratio	Lower	Upper
216	100		
214	78.9	63.8	95.6
179	21.3	17.0	25.6
108	18.4	15.0	22.6

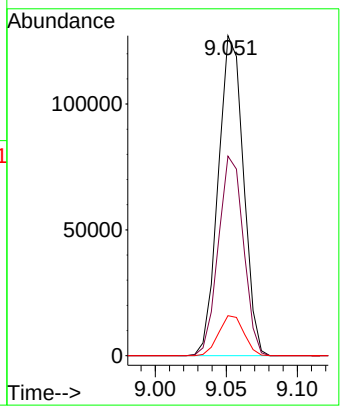




#41
Hexachlorocyclopentadiene
Concen: 20.200 ng
RT: 9.051 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:237 Resp: 15669

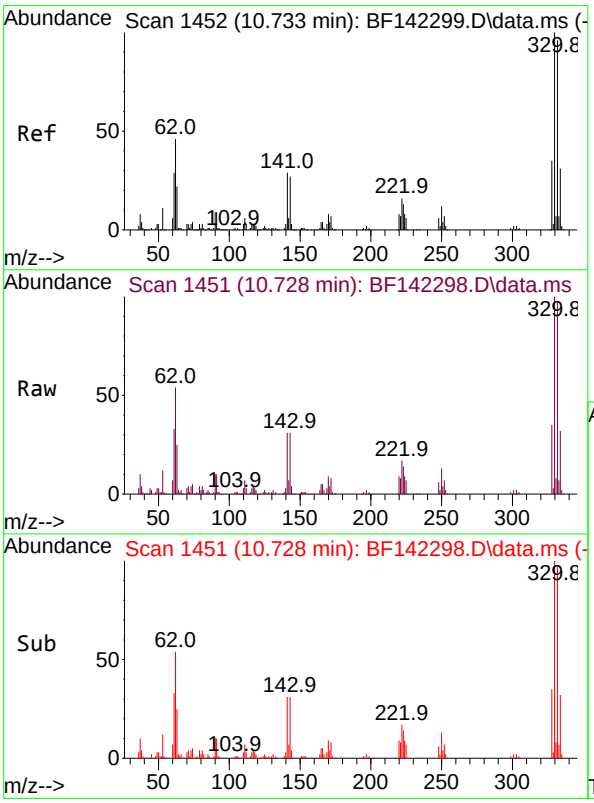
Ion	Ratio	Lower	Upper
237	100		
235	62.4	42.8	82.8
272	12.5	0.0	33.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

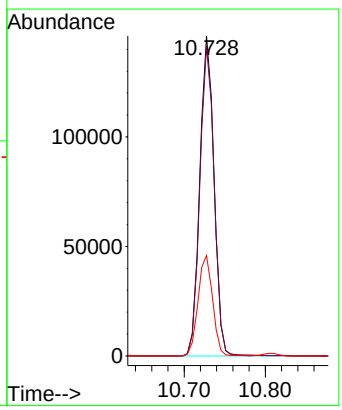
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

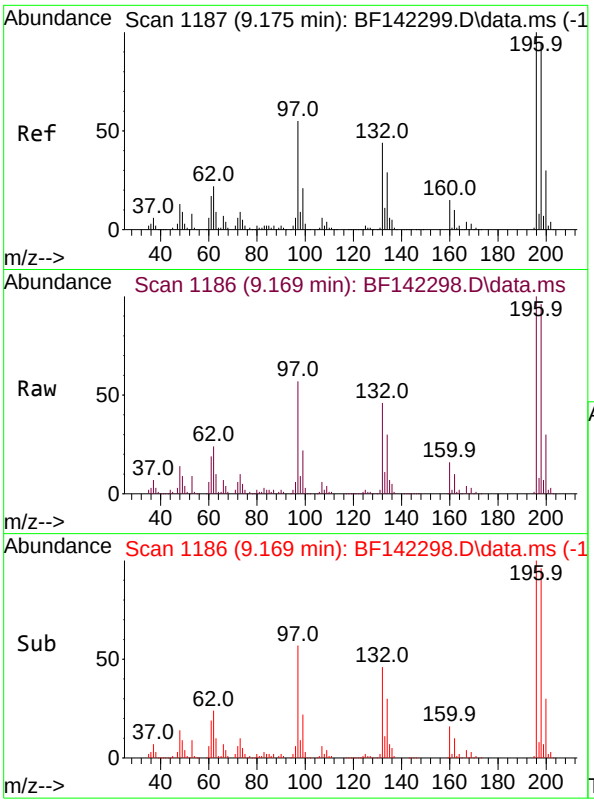


#42
2,4,6-Tribromophenol
Concen: 41.039 ng
RT: 10.728 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:330 Resp: 178075

Ion	Ratio	Lower	Upper
330	100		
332	97.0	76.8	115.2
141	32.1	24.9	37.3

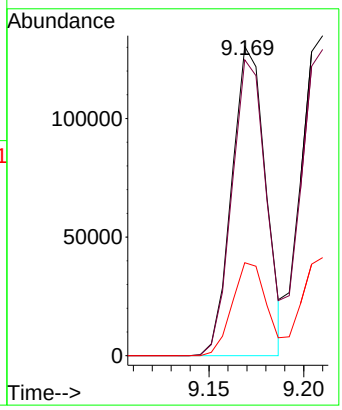




#43
2,4,6-Trichlorophenol
Concen: 20.426 ng
RT: 9.169 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:196 Resp: 16172

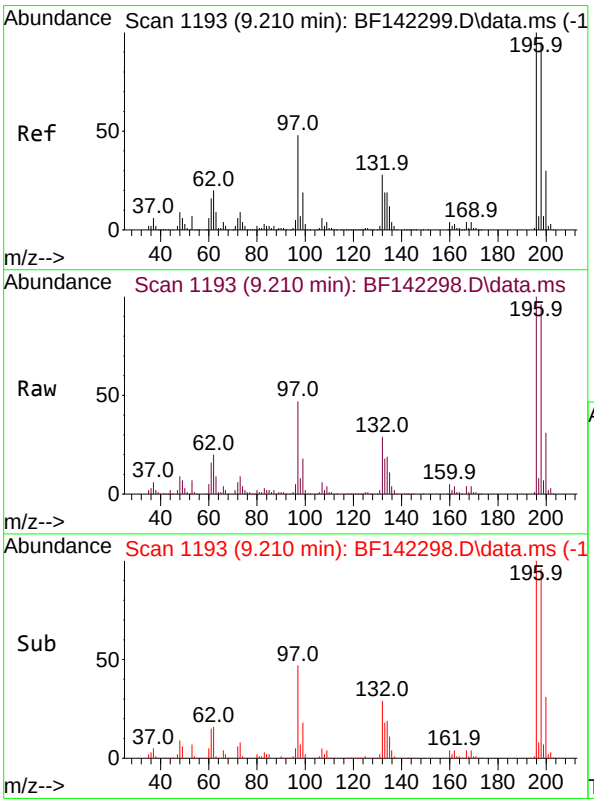
Ion	Ratio	Lower	Upper
196	100		
198	95.7	75.4	113.0
200	30.1	24.3	36.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

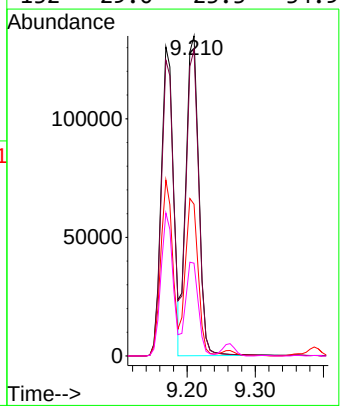
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

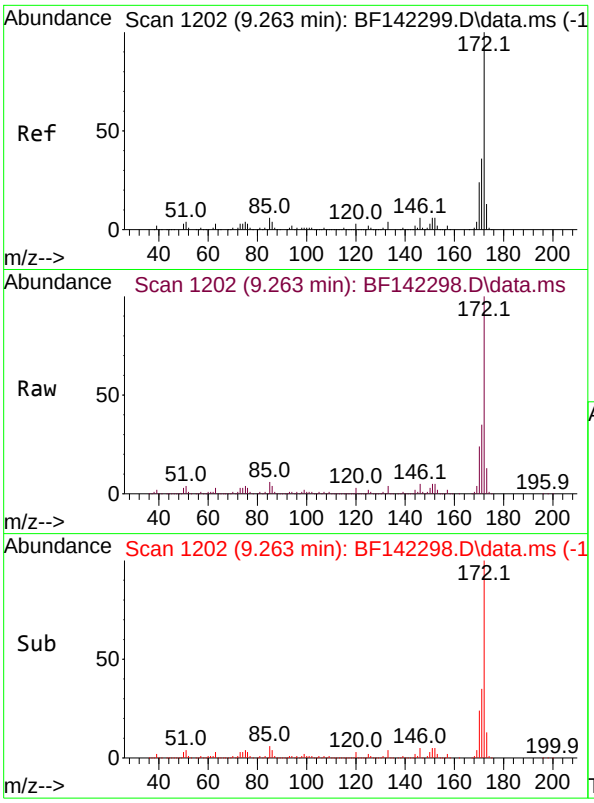


#44
2,4,5-Trichlorophenol
Concen: 20.829 ng
RT: 9.210 min Scan# 1193
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:196 Resp: 175468

Ion	Ratio	Lower	Upper
196	100		
198	95.7	76.1	114.1
97	47.4	39.0	58.4
132	29.0	23.3	34.9

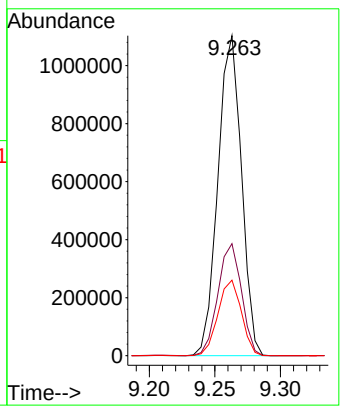




#45
2-Fluorobiphenyl
Concen: 43.691 ng
RT: 9.263 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:172 Resp: 137711

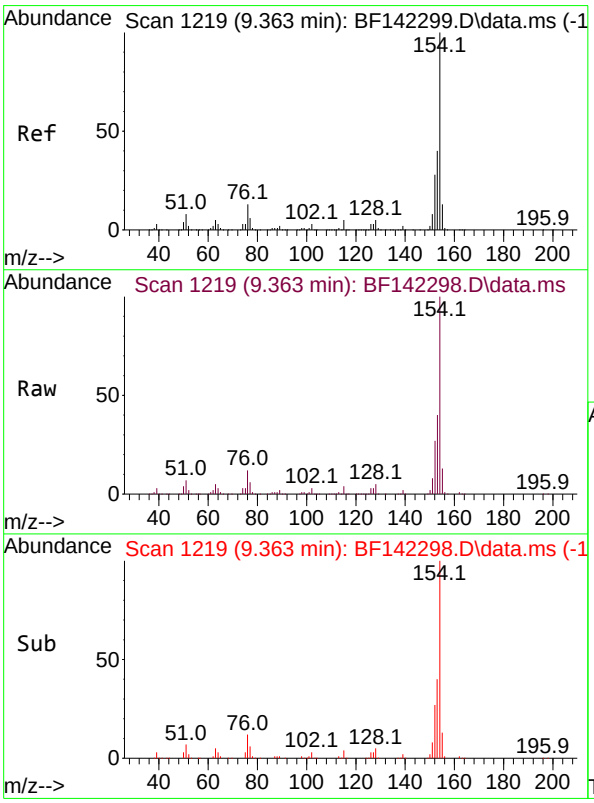
Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.6	42.8
170	23.6	19.0	28.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

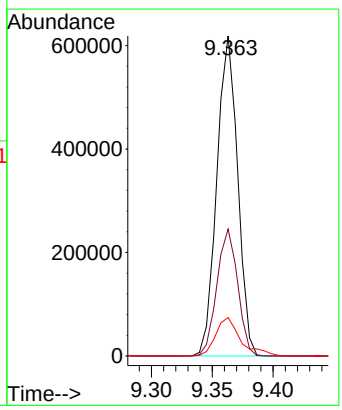
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

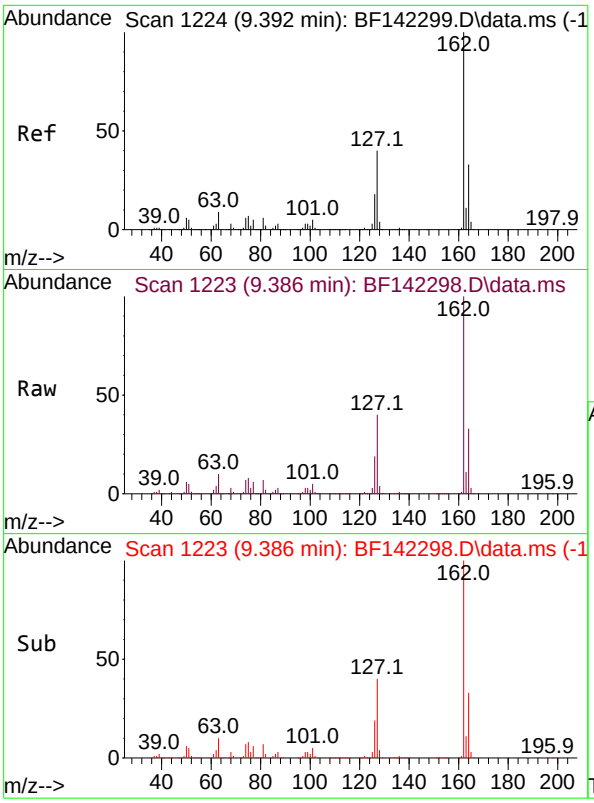


#46
1,1'-Biphenyl
Concen: 21.344 ng
RT: 9.363 min Scan# 1219
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:154 Resp: 735501

Ion	Ratio	Lower	Upper
154	100		
153	39.6	20.5	60.5
76	12.0	0.0	32.8

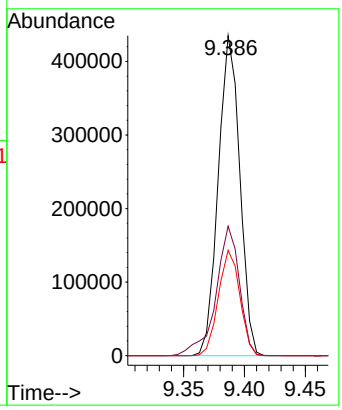




#47
2-Chloronaphthalene
Concen: 20.924 ng
RT: 9.386 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:162 Resp: 53620

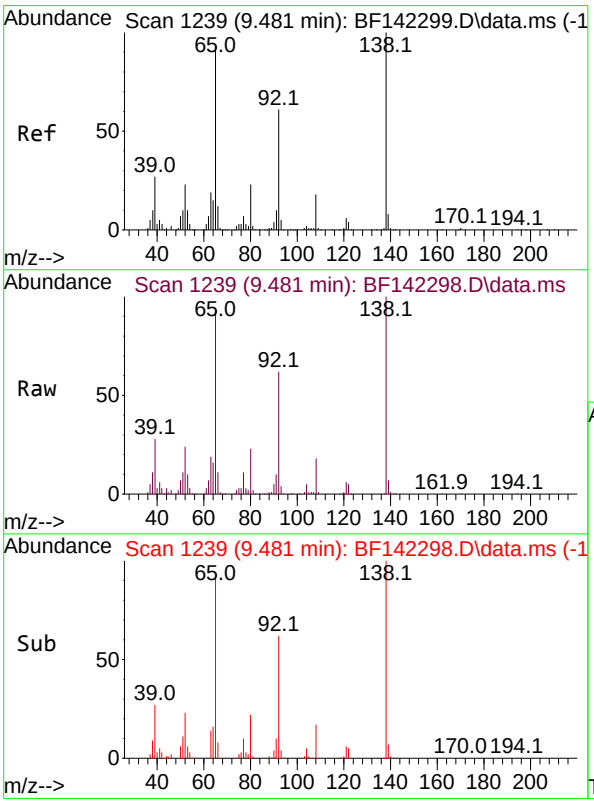
Ion	Ratio	Lower	Upper
162	100		
127	40.5	32.3	48.5
164	32.9	26.6	40.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

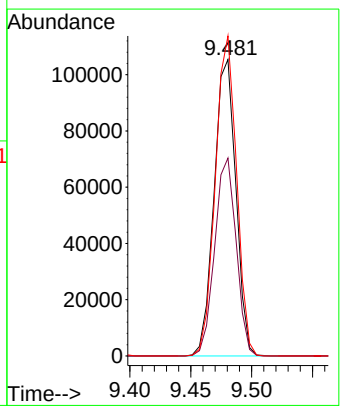
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

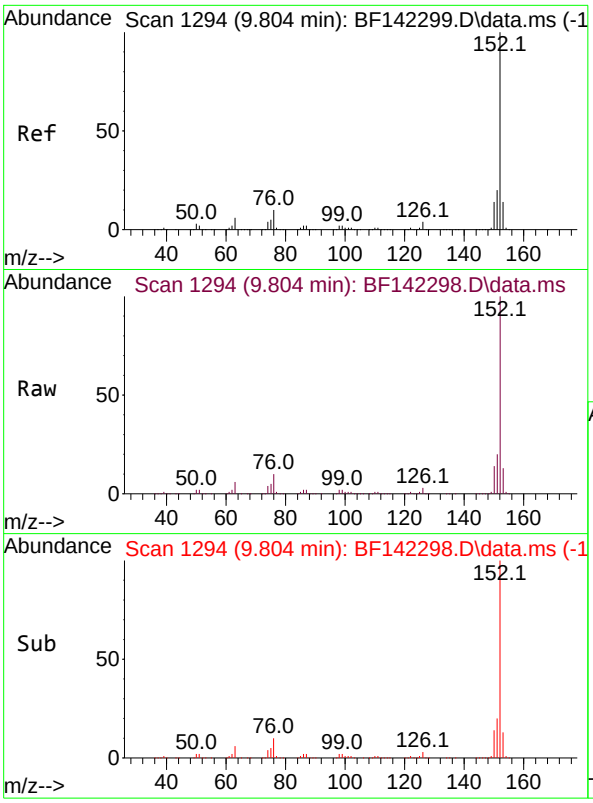


#48
2-Nitroaniline
Concen: 19.985 ng
RT: 9.481 min Scan# 1239
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion: 65 Resp: 131275

Ion	Ratio	Lower	Upper
65	100		
92	66.7	52.3	78.5
138	107.9	85.6	128.4

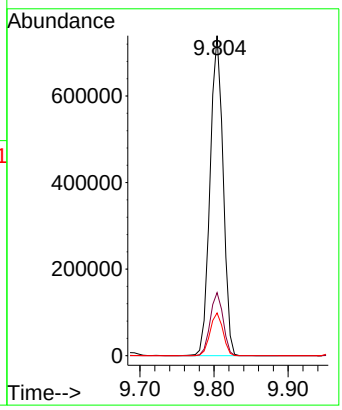




#49
Acenaphthylene
Concen: 21.063 ng
RT: 9.804 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:152 Resp: 90294

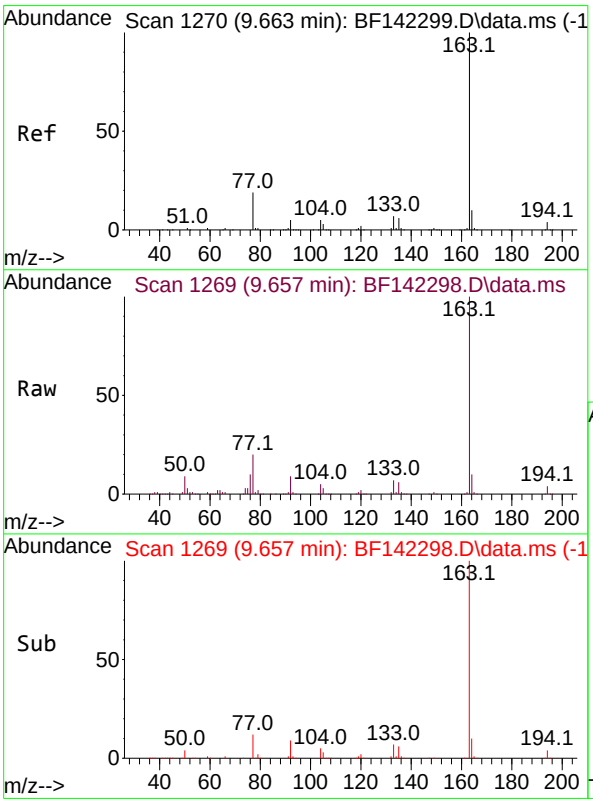
Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.0	24.0
153	13.3	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

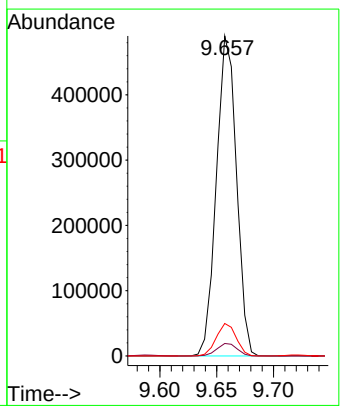
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

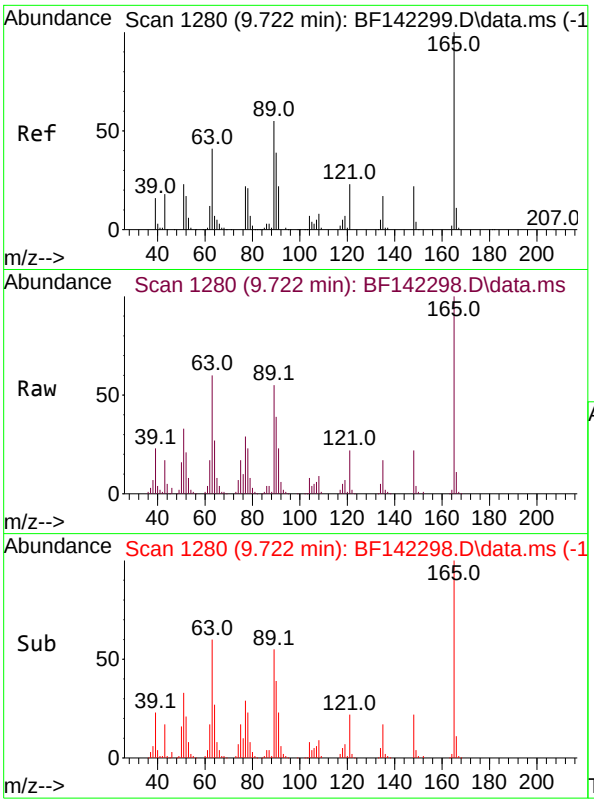


#50
Dimethylphthalate
Concen: 20.930 ng
RT: 9.657 min Scan# 1269
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:163 Resp: 604026

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.2	4.8
164	10.2	8.3	12.5

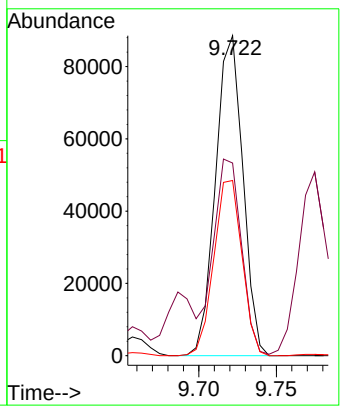




#51
2,6-Dinitrotoluene
Concen: 20.163 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:165 Resp: 10891

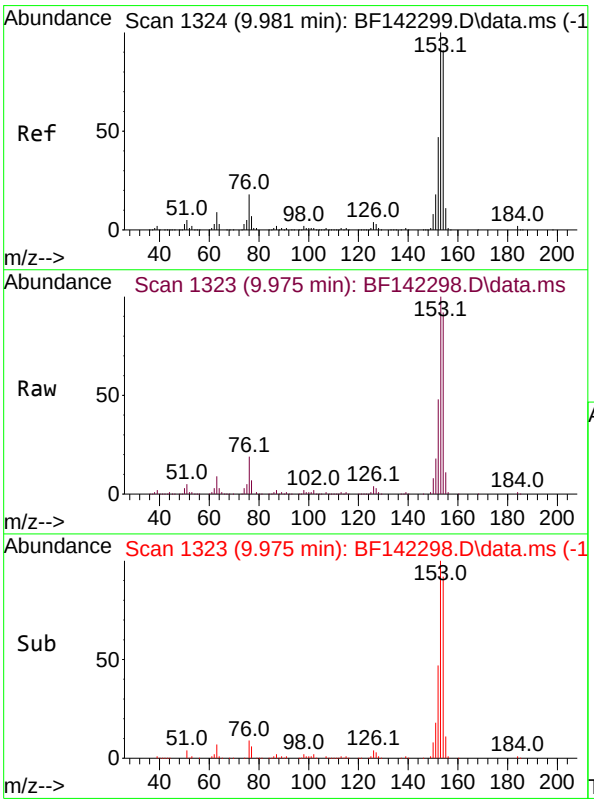
Ion	Ratio	Lower	Upper
165	100		
63	60.2	49.5	74.3
89	54.7	44.6	66.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

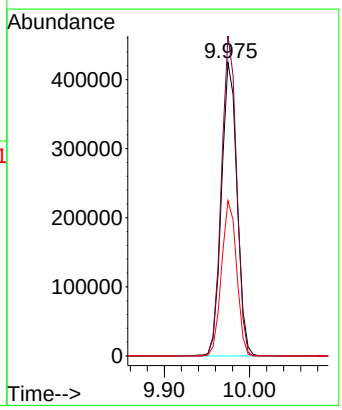
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

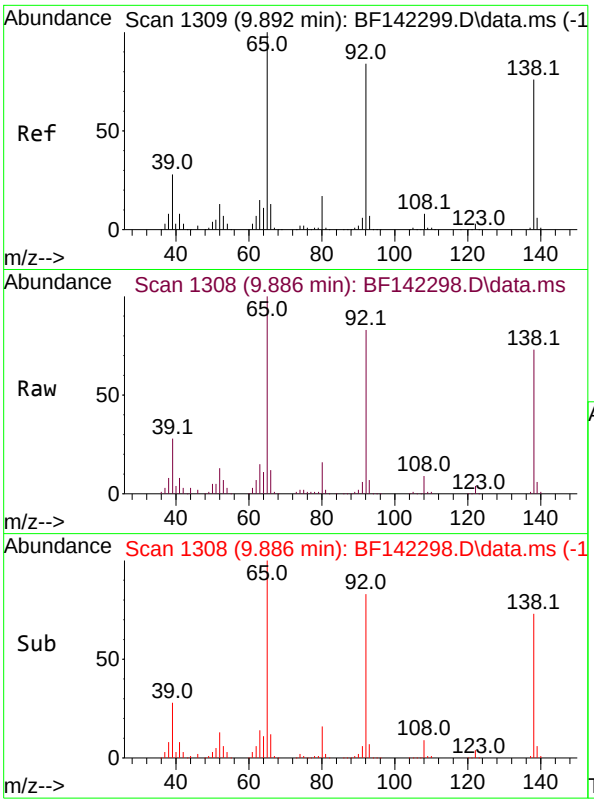


#52
Acenaphthene
Concen: 20.925 ng
RT: 9.975 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:154 Resp: 539391

Ion	Ratio	Lower	Upper
154	100		
153	109.0	88.0	132.0
152	52.8	41.6	62.4





#53
3-Nitroaniline
Concen: 20.431 ng
RT: 9.886 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

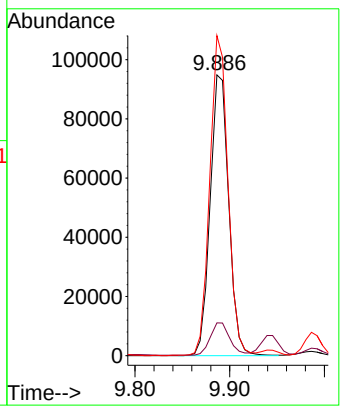
Tgt Ion:138 Resp: 12943

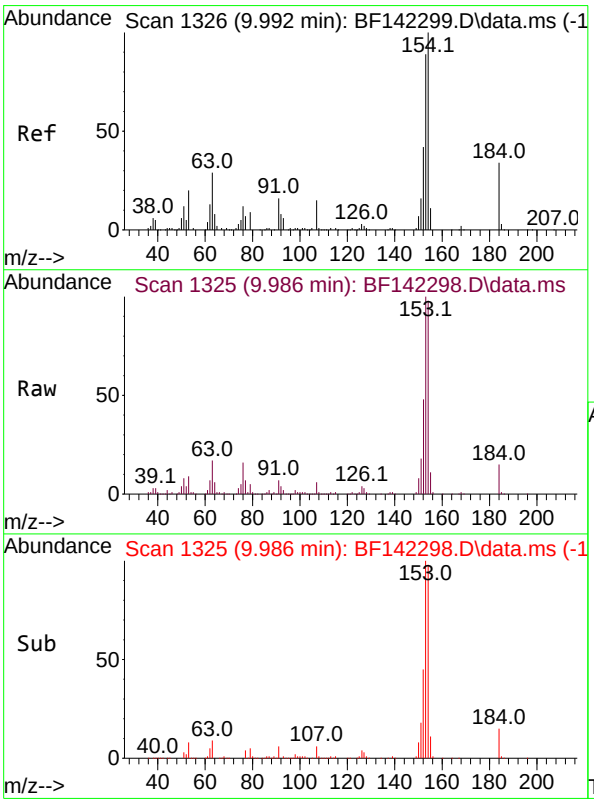
Ion	Ratio	Lower	Upper
138	100		
108	11.7	8.7	13.1
92	114.0	89.5	134.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

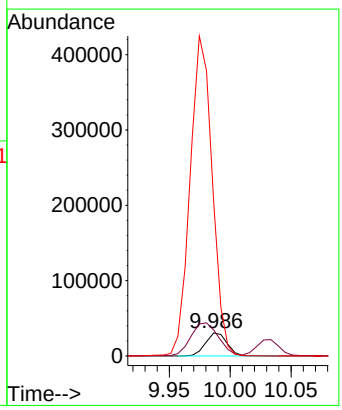


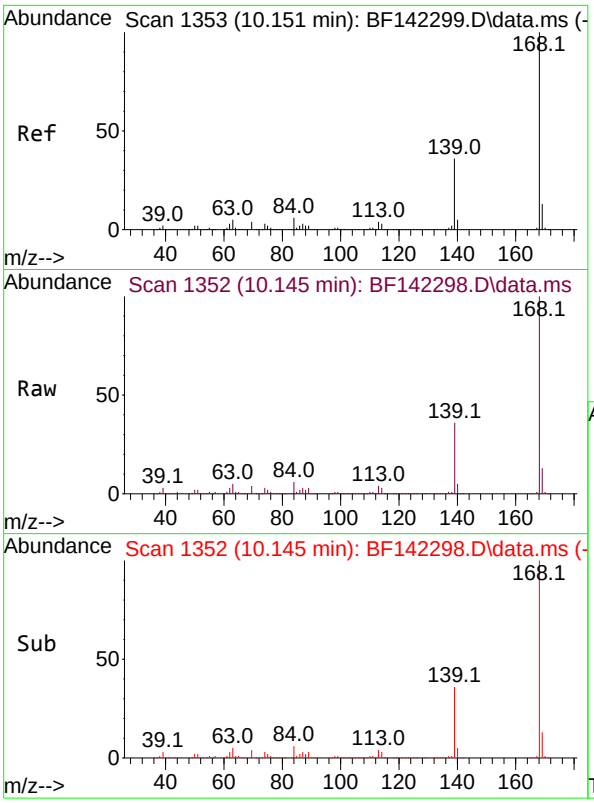


#54
2,4-Dinitrophenol
Concen: 19.641 ng
RT: 9.986 min Scan# 1325
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:184 Resp: 37439

Ion	Ratio	Lower	Upper
184	100		
63	112.9	70.6	105.8#
154	667.4	257.2	385.8#

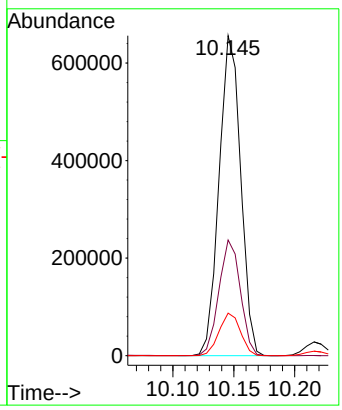




#55
Dibenzofuran
Concen: 21.274 ng
RT: 10.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:168 Resp: 80932

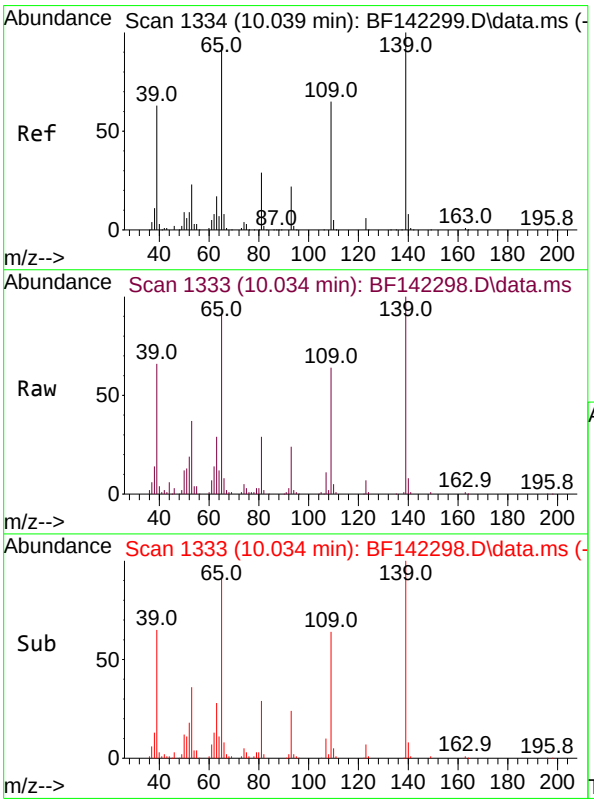
Ion	Ratio	Lower	Upper
168	100		
139	36.1	29.0	43.4
169	13.3	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

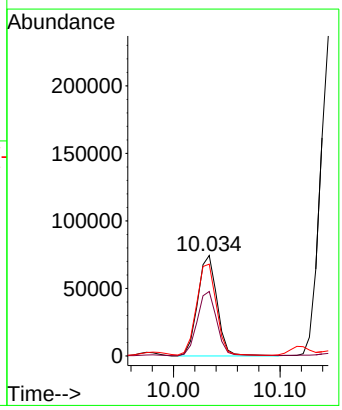
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

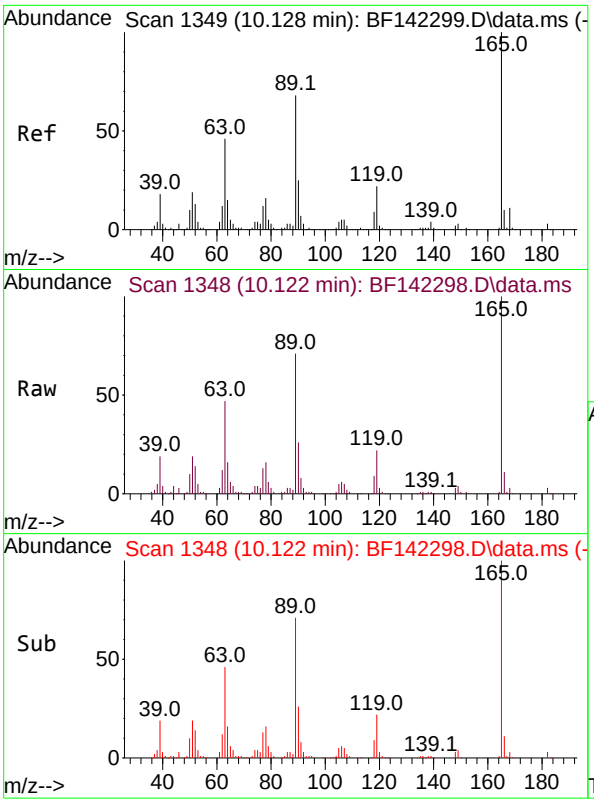


#56
4-Nitrophenol
Concen: 19.802 ng
RT: 10.034 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:139 Resp: 94419

Ion	Ratio	Lower	Upper
139	100		
109	64.1	45.3	85.3
65	91.3	73.9	113.9

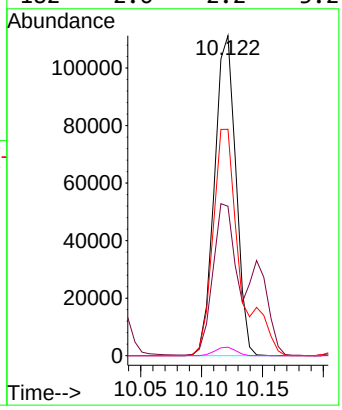




#57
2,4-Dinitrotoluene
Concen: 19.647 ng
RT: 10.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:165 Resp: 13613

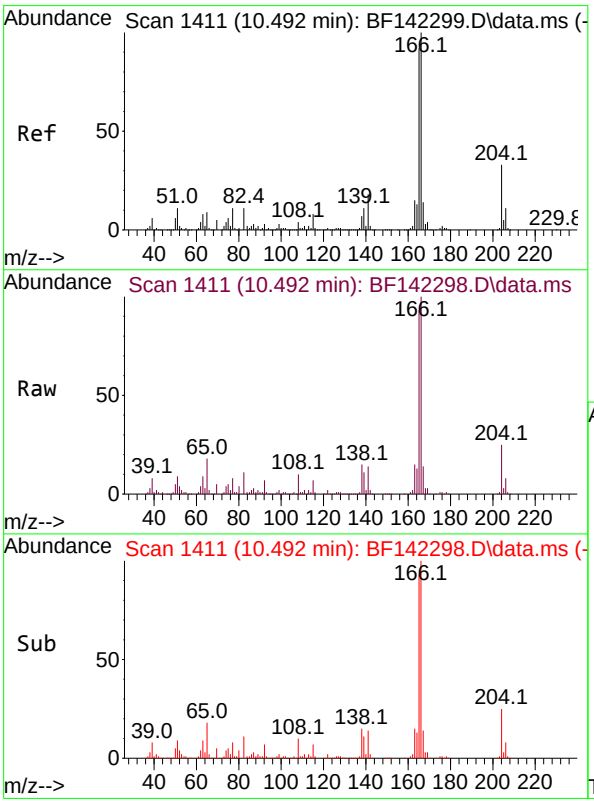
Ion	Ratio	Lower	Upper
165	100		
63	46.7	37.1	55.7
89	70.8	54.4	81.6
182	2.6	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

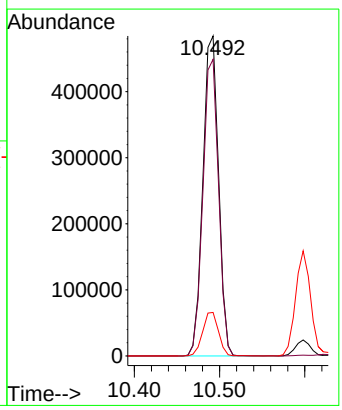
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

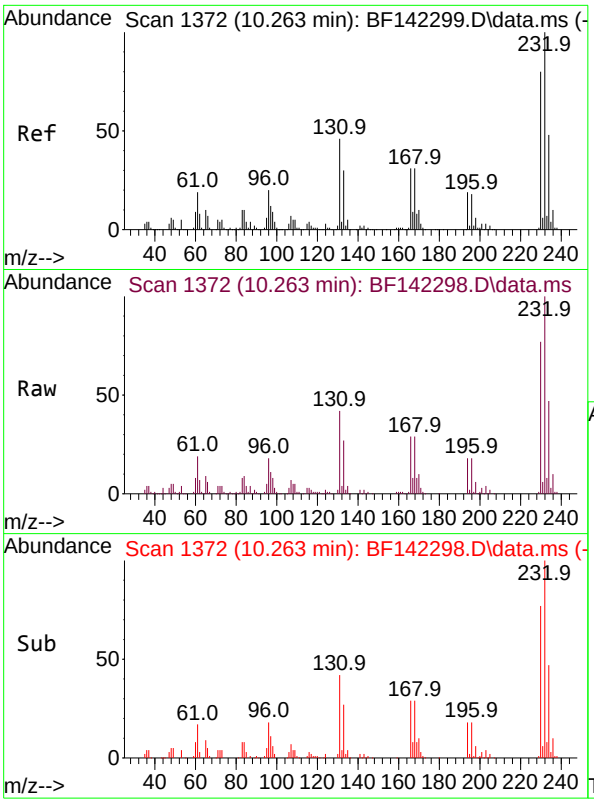


#58
Fluorene
Concen: 21.273 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:166 Resp: 617592

Ion	Ratio	Lower	Upper
166	100		
165	92.7	74.0	111.0
167	13.6	10.9	16.3

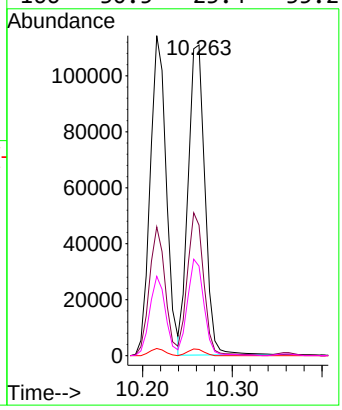




#59
2,3,4,6-Tetrachlorophenol
Concen: 20.664 ng
RT: 10.263 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:232 Resp: 14370

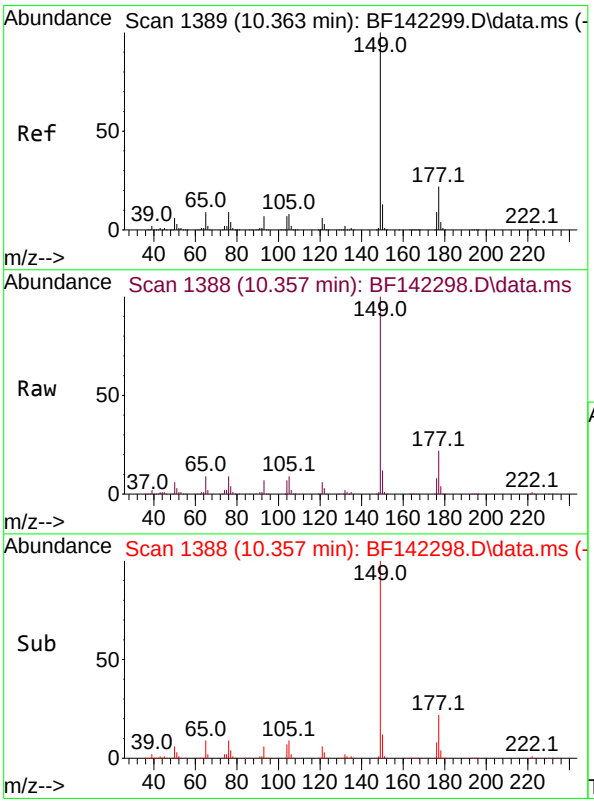
Ion	Ratio	Lower	Upper
232	100		
131	45.0	36.0	54.0
130	2.1	1.8	2.6
166	30.5	23.4	35.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

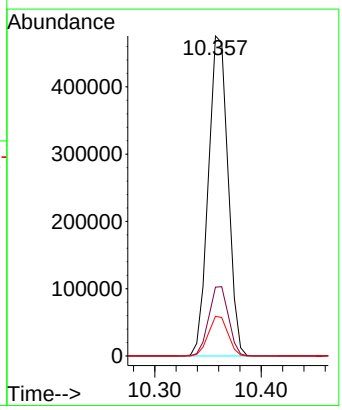
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

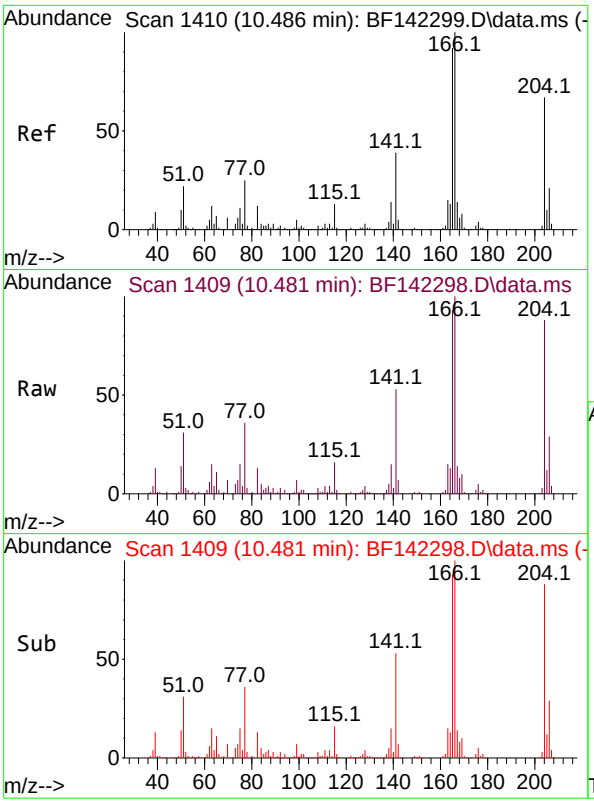


#60
Diethylphthalate
Concen: 21.134 ng
RT: 10.357 min Scan# 1388
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:149 Resp: 609078

Ion	Ratio	Lower	Upper
149	100		
177	21.5	17.6	26.4
150	12.4	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 21.116 ng
RT: 10.481 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

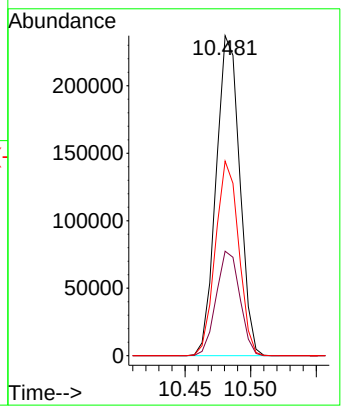
Tgt Ion:204 Resp: 29576

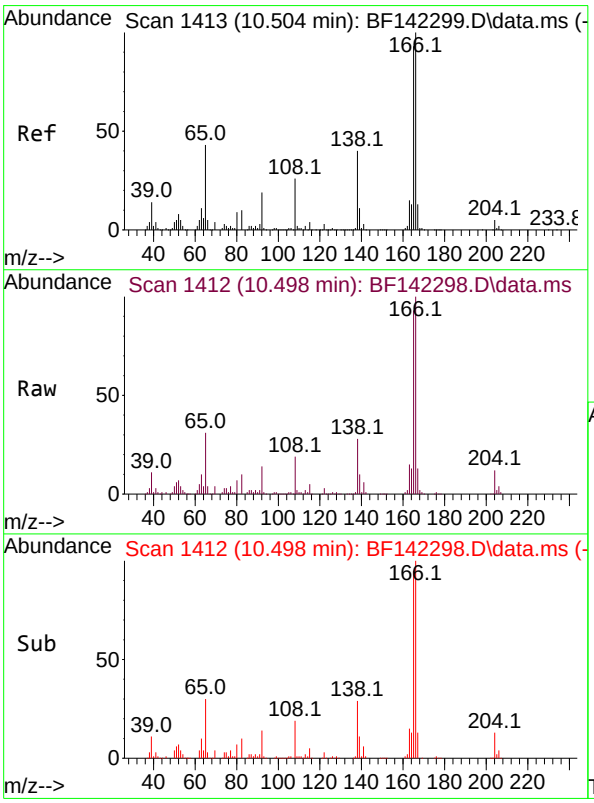
Ion	Ratio	Lower	Upper
204	100		
206	32.6	25.5	38.3
141	60.8	46.4	69.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

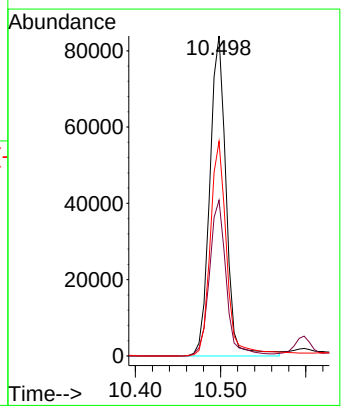


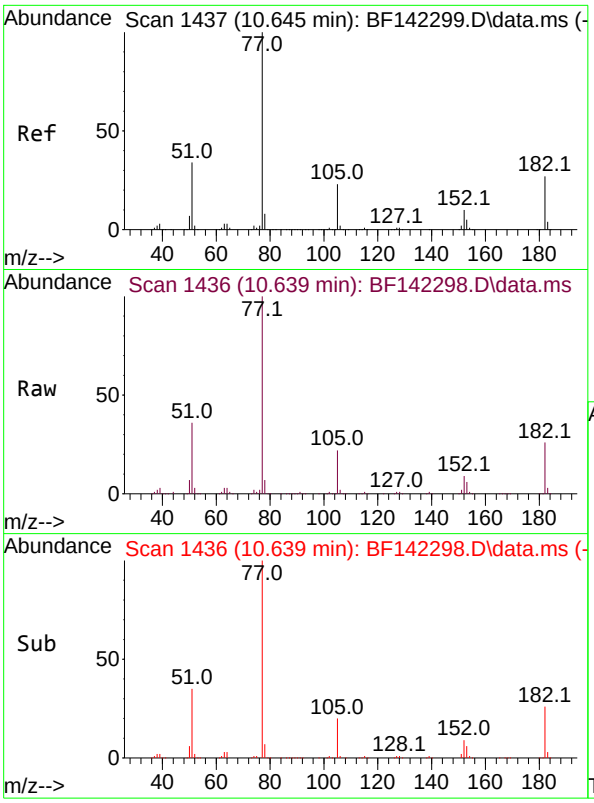


#62
4-Nitroaniline
Concen: 22.228 ng
RT: 10.498 min Scan# 1412
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:138 Resp: 111613

Ion	Ratio	Lower	Upper
138	100		
92	48.7	27.3	67.3
108	67.0	45.1	85.1

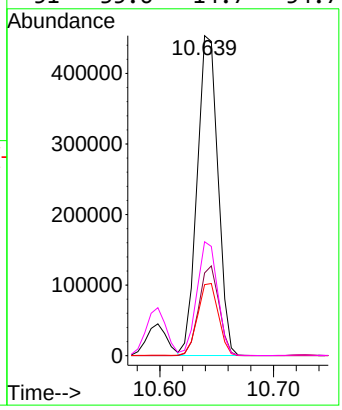




#63
Azobenzene
Concen: 20.964 ng
RT: 10.639 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion: 77 Resp: 57734

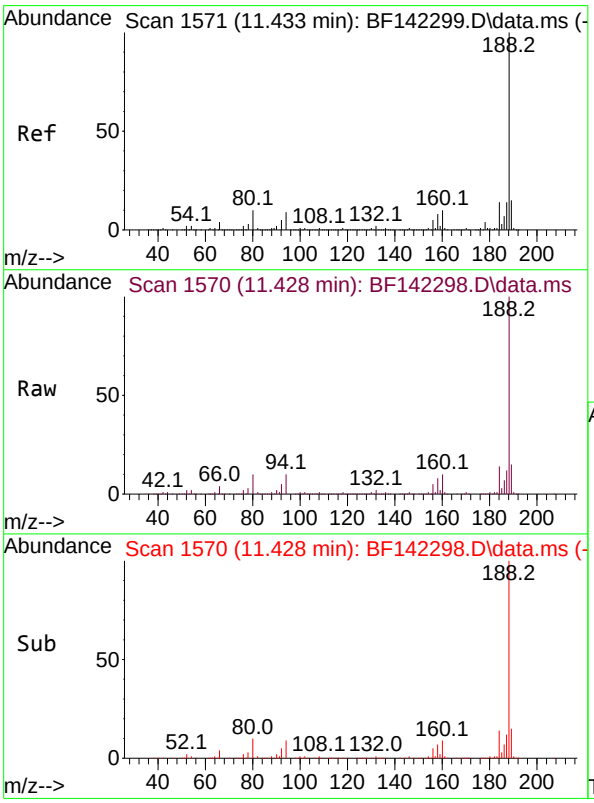
Ion	Ratio	Lower	Upper
77	100		
182	25.8	6.9	46.9
105	22.2	2.7	42.7
51	35.6	14.7	54.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

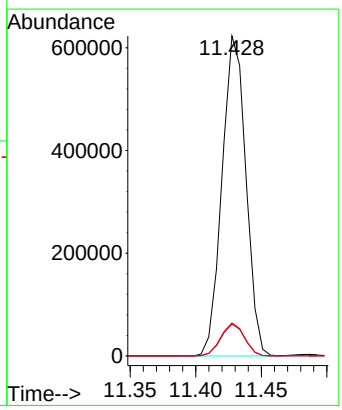
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

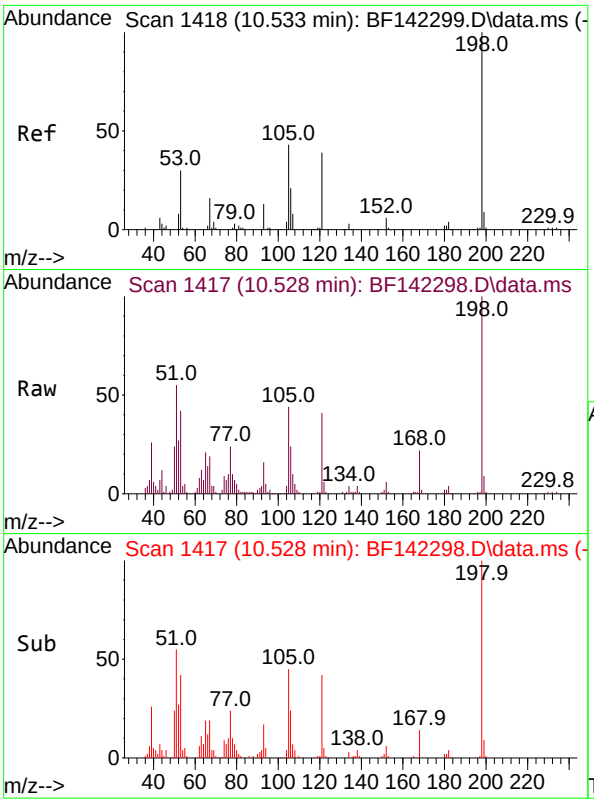


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:188 Resp: 788283

Ion	Ratio	Lower	Upper
188	100		
94	10.0	7.5	11.3
80	10.4	7.9	11.9





#65
4,6-Dinitro-2-methylphenol
Concen: 19.555 ng
RT: 10.528 min Scan# 14
Delta R.T. -0.005 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

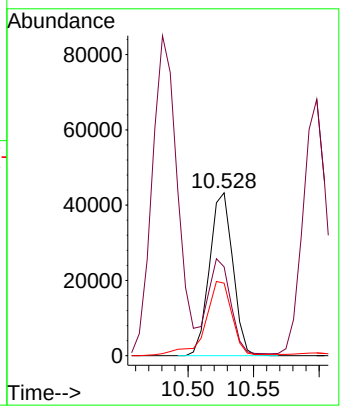
Tgt Ion:198 Resp: 5345

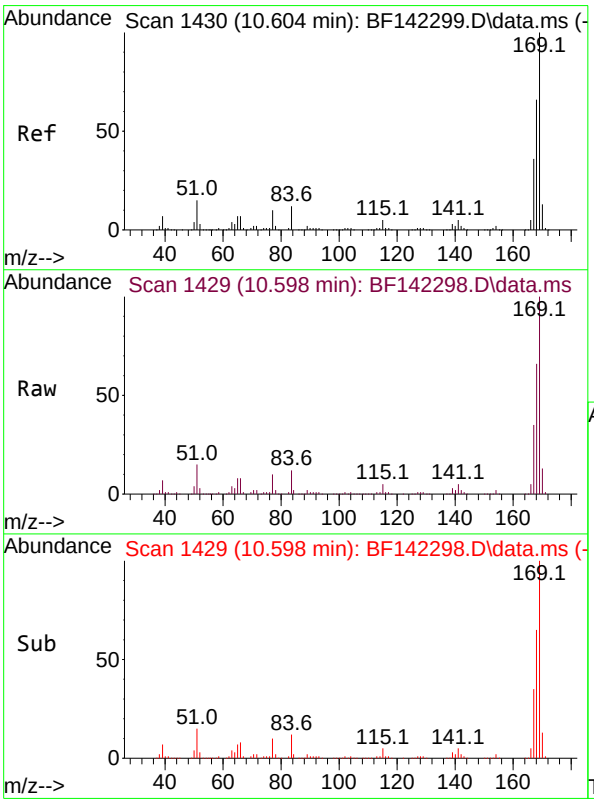
Ion	Ratio	Lower	Upper
198	100		
51	54.5	32.9	72.9
105	44.5	23.7	63.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

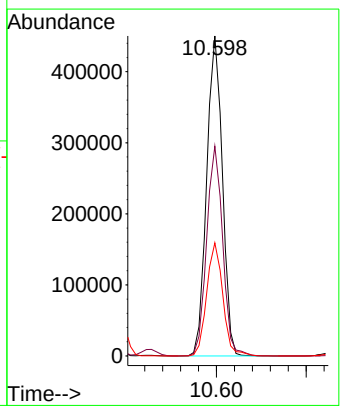


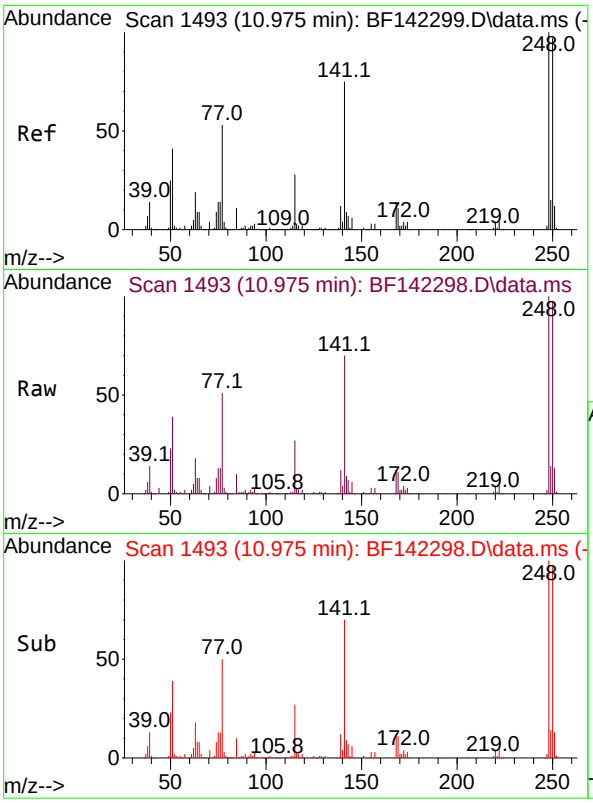


#66
n-Nitrosodiphenylamine
Concen: 20.811 ng
RT: 10.598 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:169 Resp: 545886

Ion	Ratio	Lower	Upper
169	100		
168	65.6	53.2	79.8
167	35.3	28.9	43.3

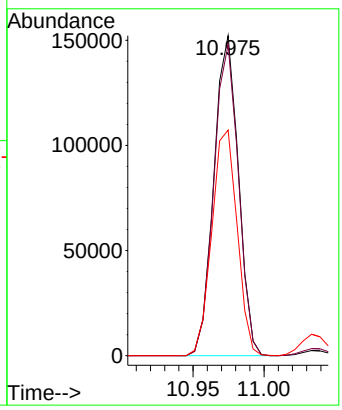




#67
4-Bromophenyl-phenylether
Concen: 20.459 ng
RT: 10.975 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:248 Resp: 18278

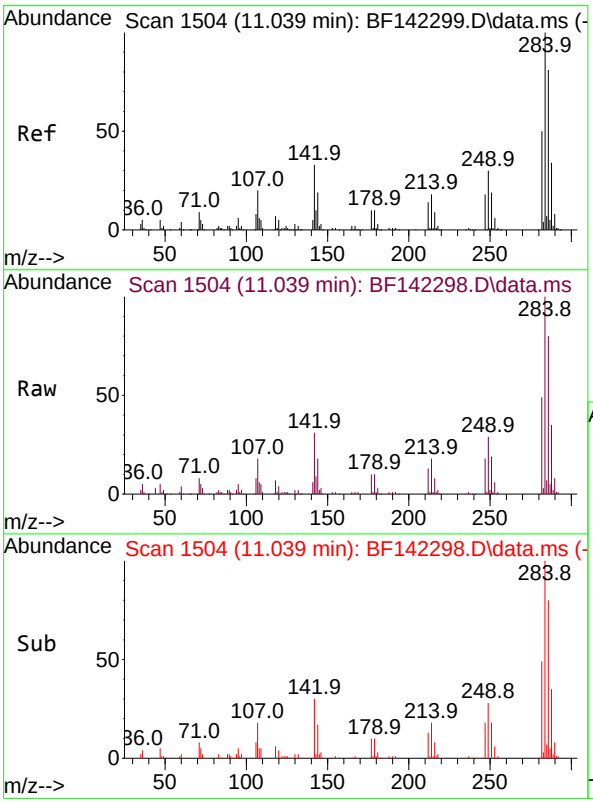
Ion	Ratio	Lower	Upper
248	100		
250	97.3	77.9	116.9
141	70.5	59.8	89.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

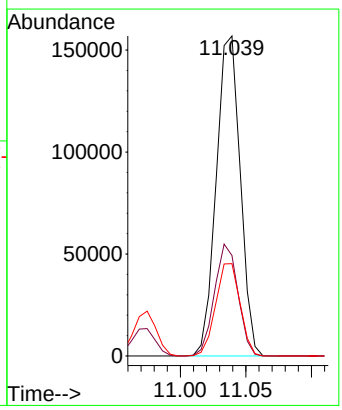
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

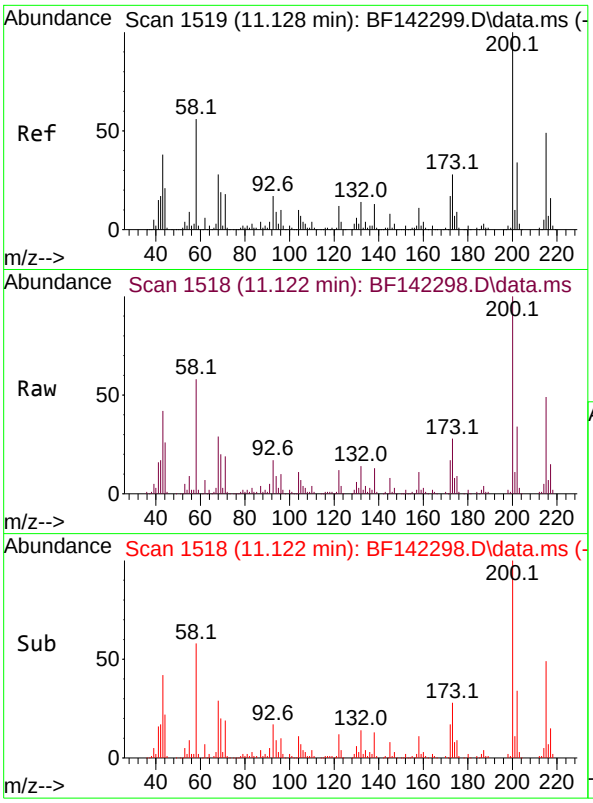


#68
Hexachlorobenzene
Concen: 20.307 ng
RT: 11.039 min Scan# 1504
Delta R.T. 0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:284 Resp: 199561

Ion	Ratio	Lower	Upper
284	100		
142	31.4	26.6	39.8
249	28.9	24.1	36.1

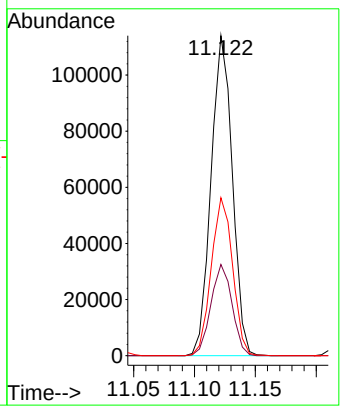




#69
Atrazine
Concen: 20.082 ng
RT: 11.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:200 Resp: 13886

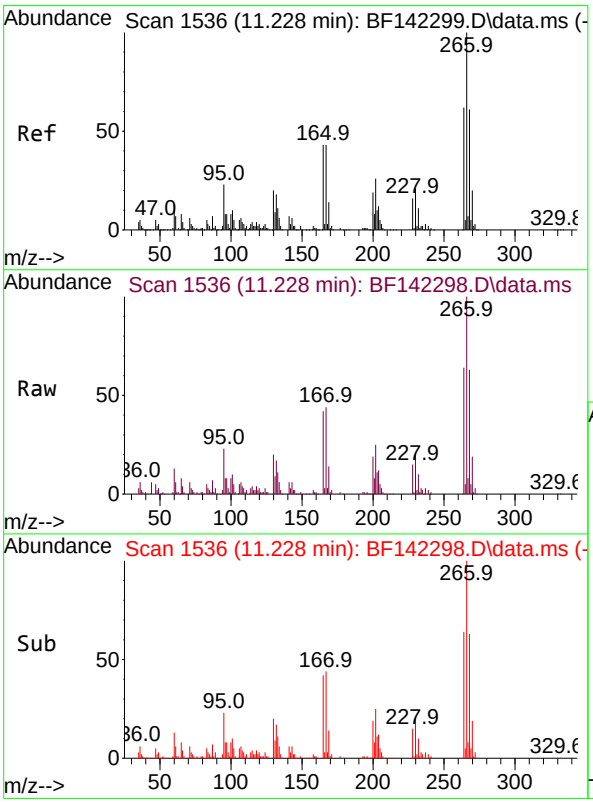
Ion	Ratio	Lower	Upper
200	100		
173	28.5	8.1	48.1
215	49.3	28.8	68.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

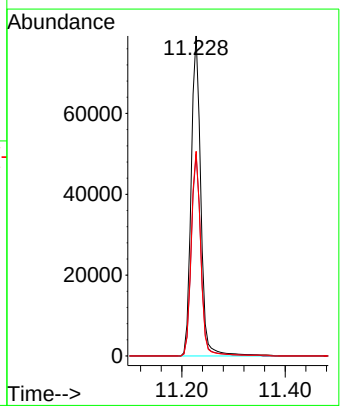
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

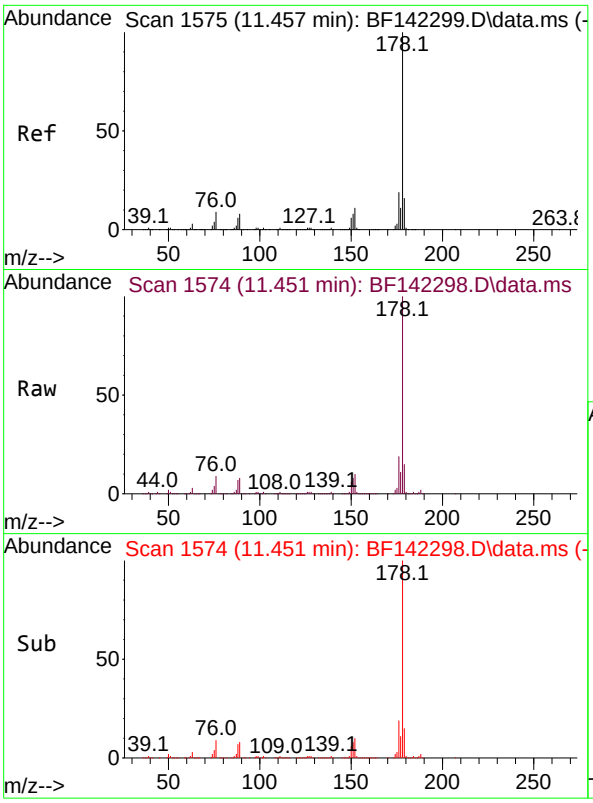


#70
Pentachlorophenol
Concen: 19.845 ng
RT: 11.228 min Scan# 1536
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:266 Resp: 102593

Ion	Ratio	Lower	Upper
266	100		
268	63.0	48.7	73.1
264	63.9	49.8	74.6

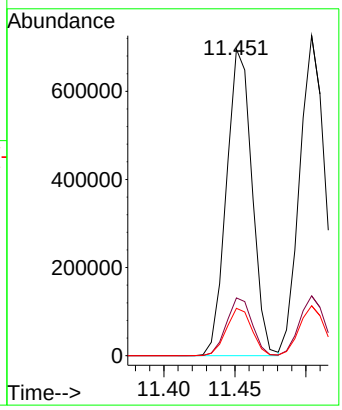




#71
Phenanthrene
Concen: 21.083 ng
RT: 11.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:178 Resp: 87113

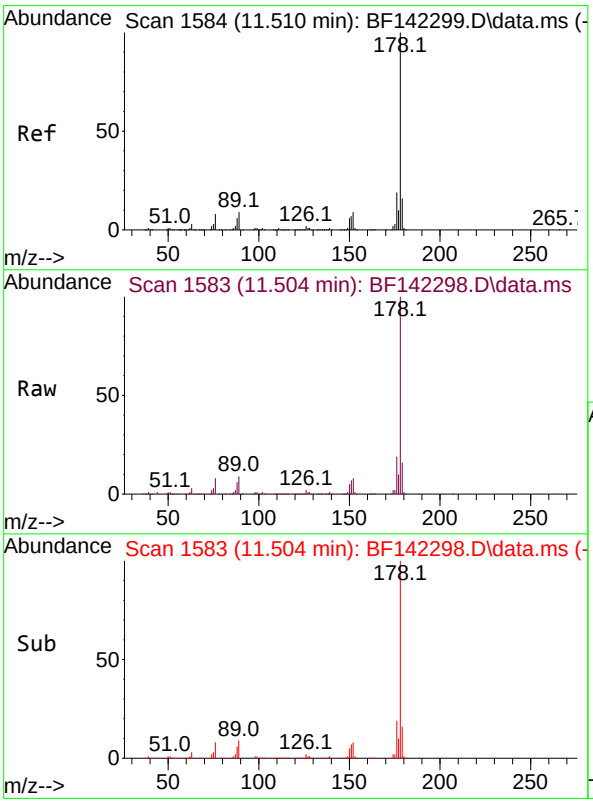
Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.5	23.3
179	15.5	12.6	18.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

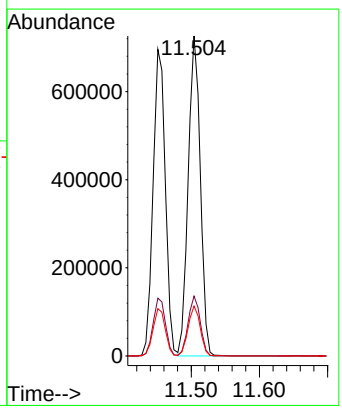
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

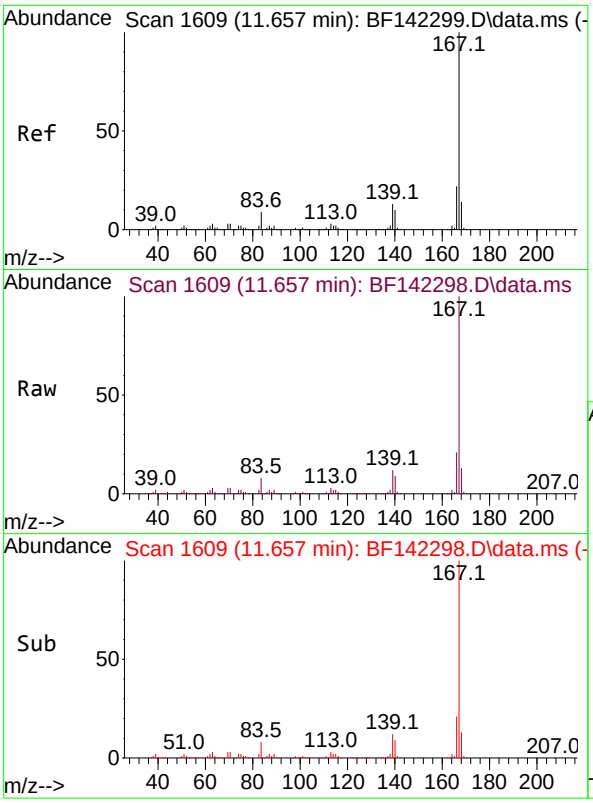


#72
Anthracene
Concen: 21.056 ng
RT: 11.504 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:178 Resp: 893968

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.3	22.9
179	15.6	12.6	18.8

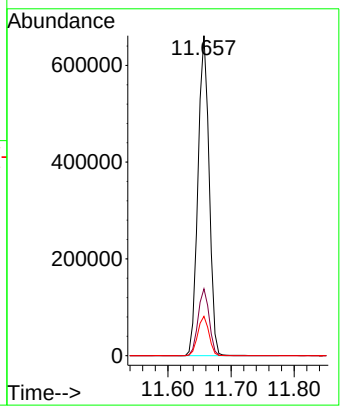




#73
Carbazole
Concen: 21.189 ng
RT: 11.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:167 Resp: 80708

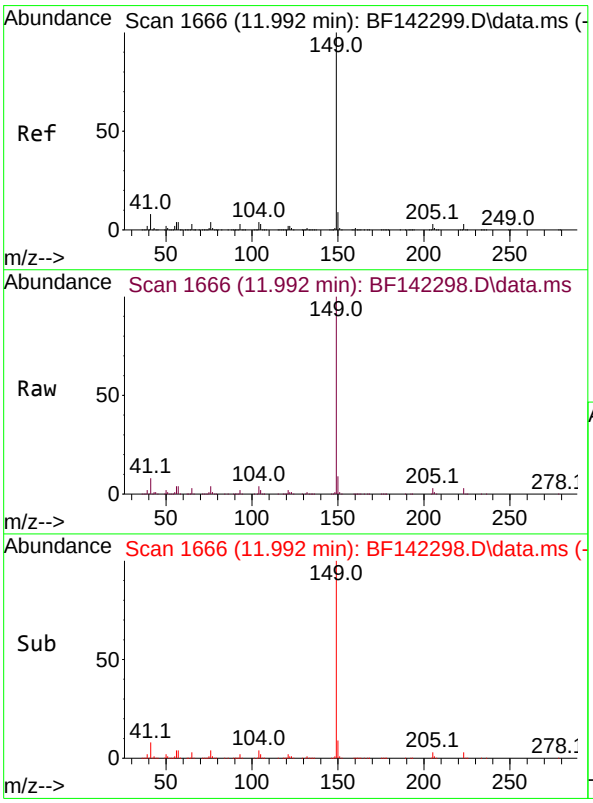
Ion	Ratio	Lower	Upper
167	100		
166	20.9	17.2	25.8
139	12.3	10.3	15.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

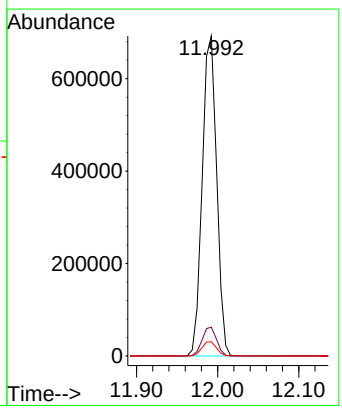
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

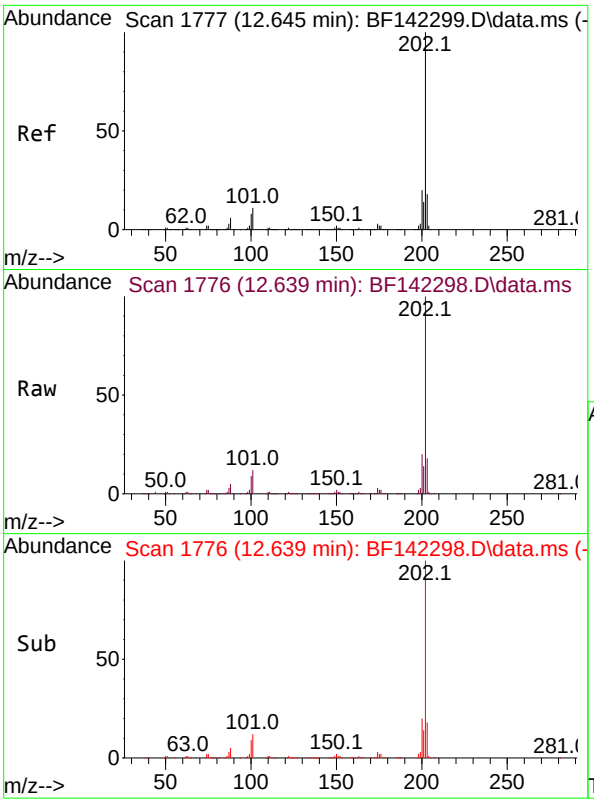


#74
Di-n-butylphthalate
Concen: 21.293 ng
RT: 11.992 min Scan# 1666
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:149 Resp: 852839

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.5	11.3
104	4.4	3.6	5.4

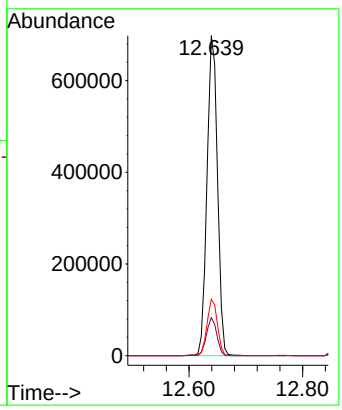




#75
Fluoranthene
Concen: 21.523 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:202 Resp: 88897

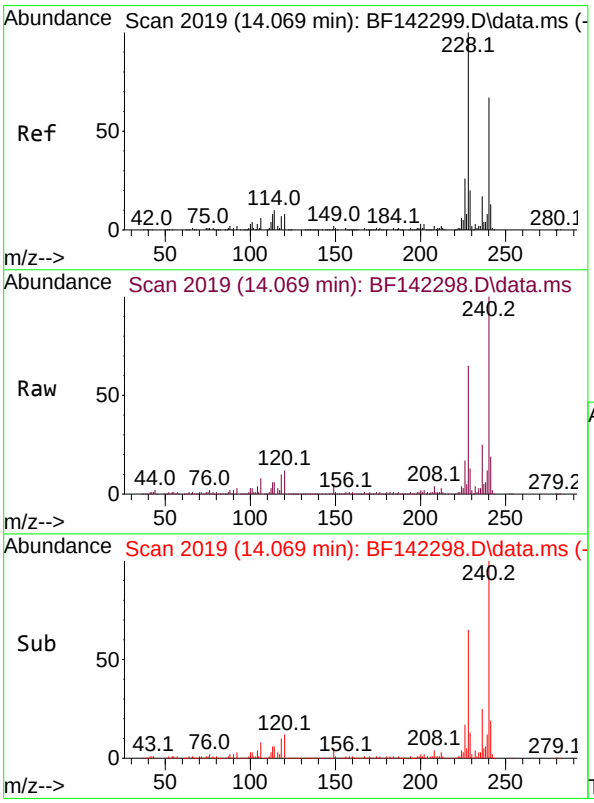
Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	31.4
203	17.6	0.0	37.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

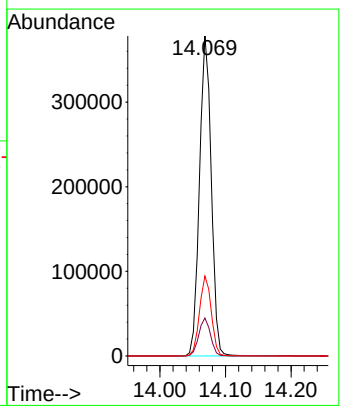
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

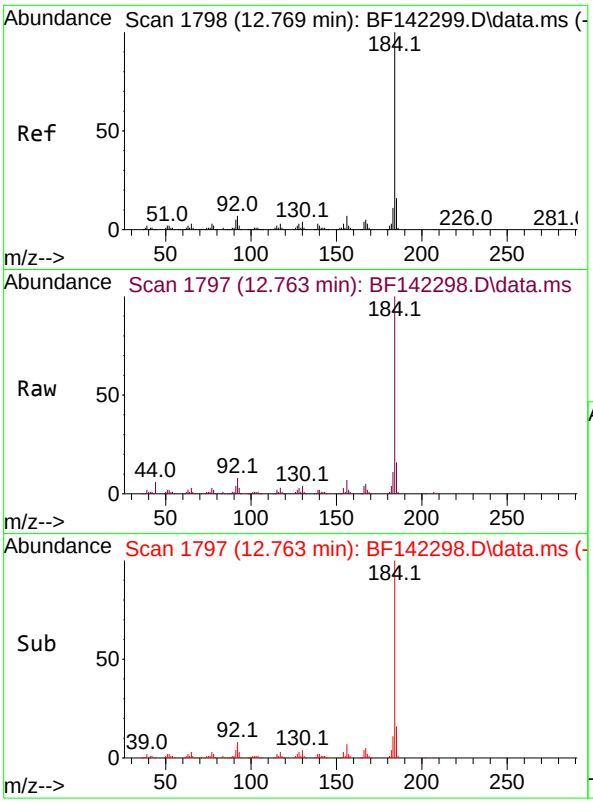


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:240 Resp: 473278

Ion	Ratio	Lower	Upper
240	100		
120	11.8	9.7	14.5
236	25.0	20.0	30.0

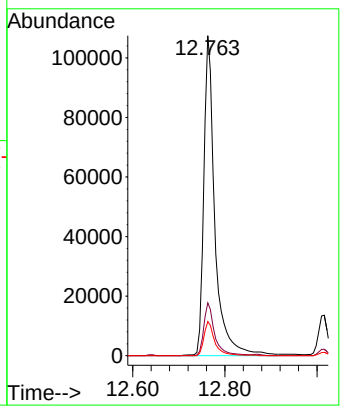




#77
Benzidine
Concen: 21.110 ng
RT: 12.763 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:184 Resp: 18156

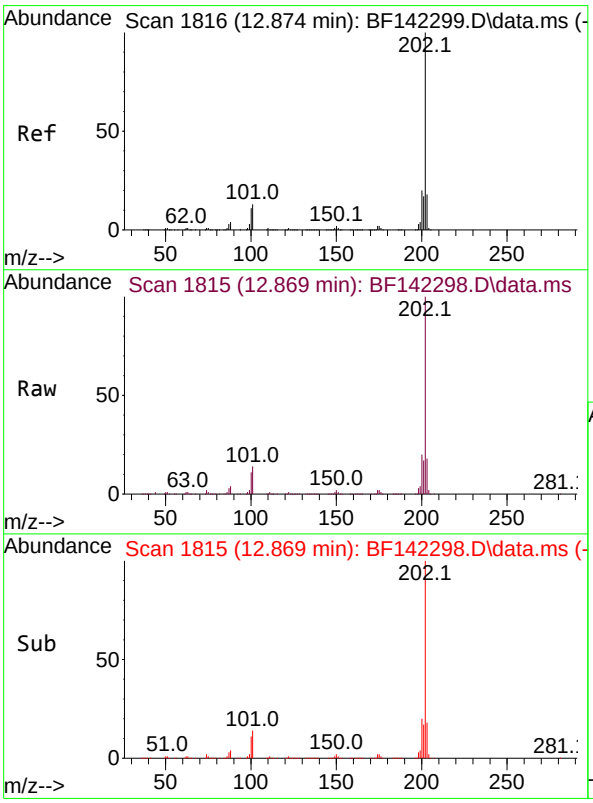
Ion	Ratio	Lower	Upper
184	100		
185	16.5	12.6	18.8
183	10.7	8.6	12.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

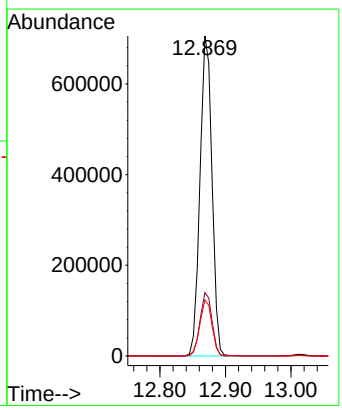
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

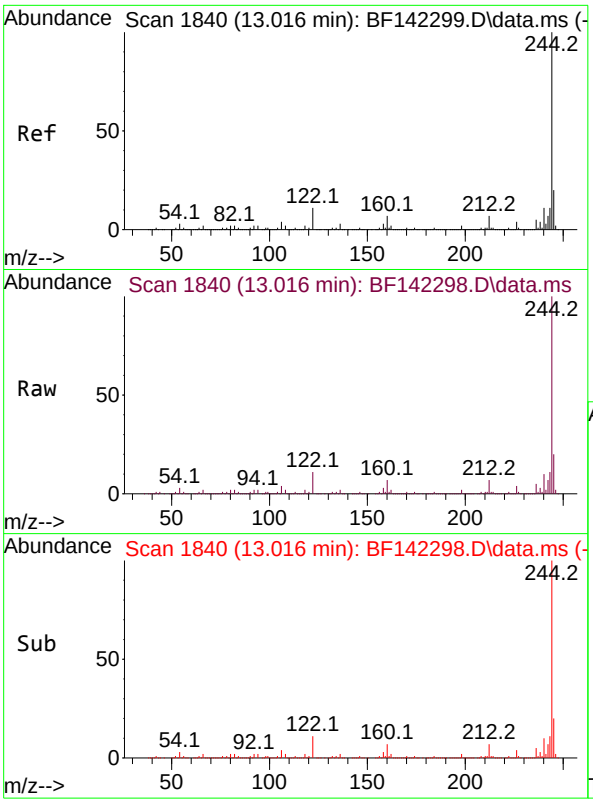


#78
Pyrene
Concen: 21.373 ng
RT: 12.869 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:202 Resp: 900375

Ion	Ratio	Lower	Upper
202	100		
200	19.8	16.2	24.4
203	17.5	14.3	21.5

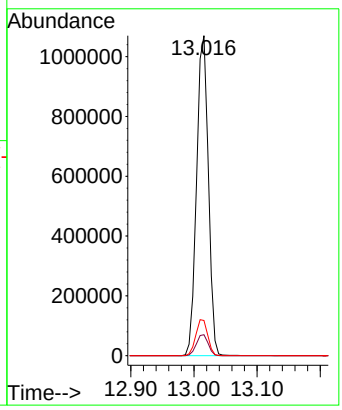




#79
Terphenyl-d14
Concen: 43.222 ng
RT: 13.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:244 Resp: 138206

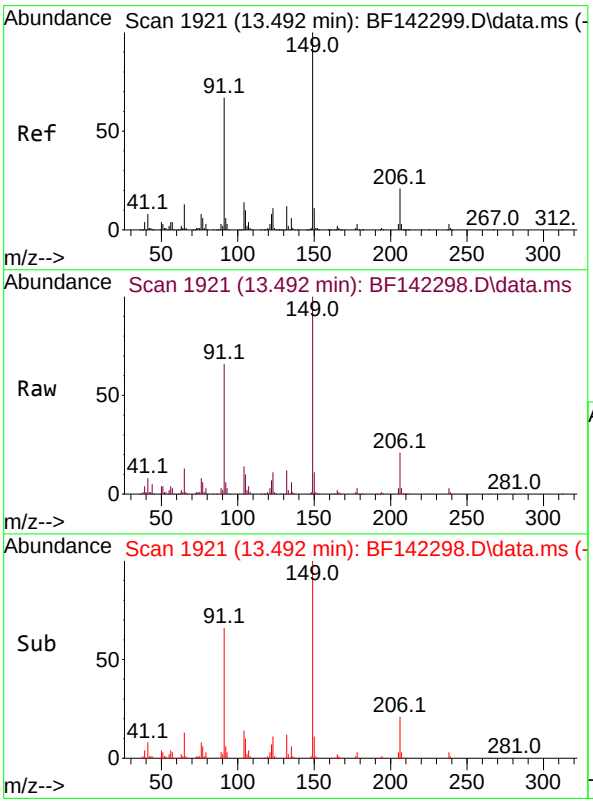
Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.2
122	11.0	9.0	13.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

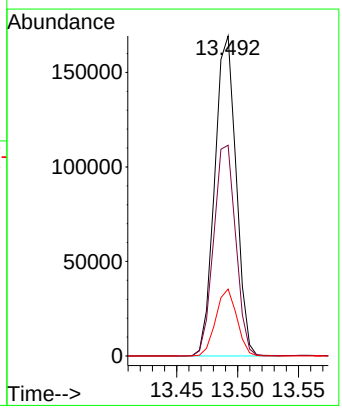
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

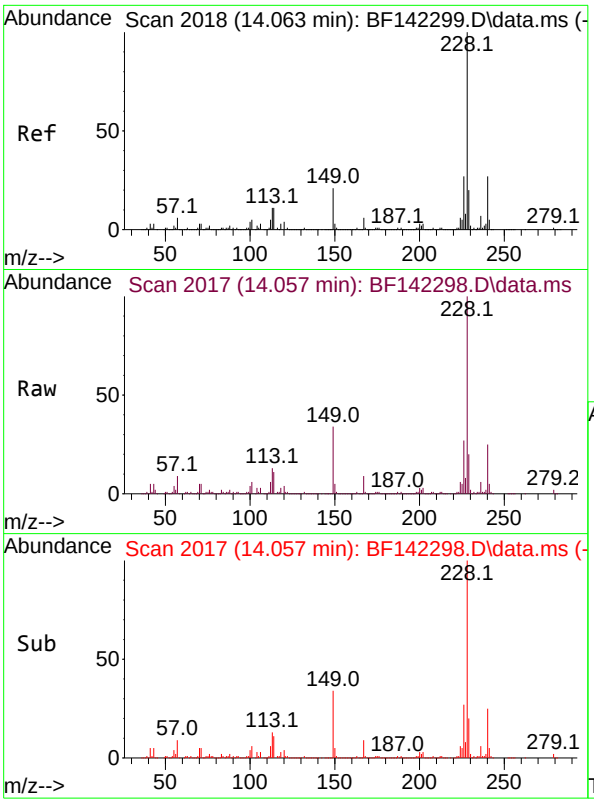


#80
Butylbenzylphthalate
Concen: 19.258 ng
RT: 13.492 min Scan# 1921
Delta R.T. 0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:149 Resp: 207602

Ion	Ratio	Lower	Upper
149	100		
91	65.8	53.8	80.6
206	20.9	16.6	24.8

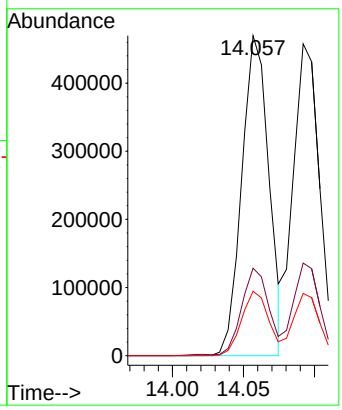




#81
Benzo(a)anthracene
Concen: 20.336 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:228 Resp: 62328

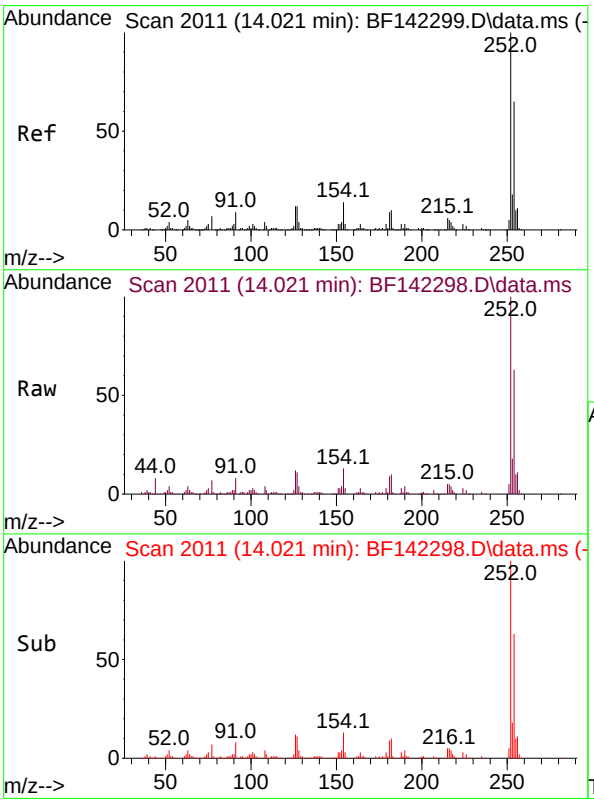
Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.5	32.3
229	20.2	15.9	23.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

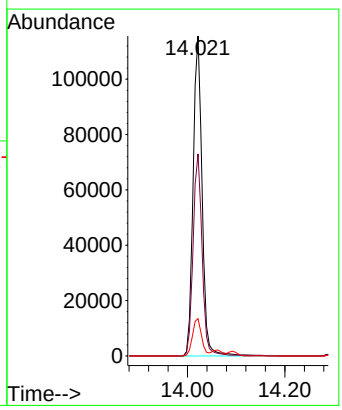
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

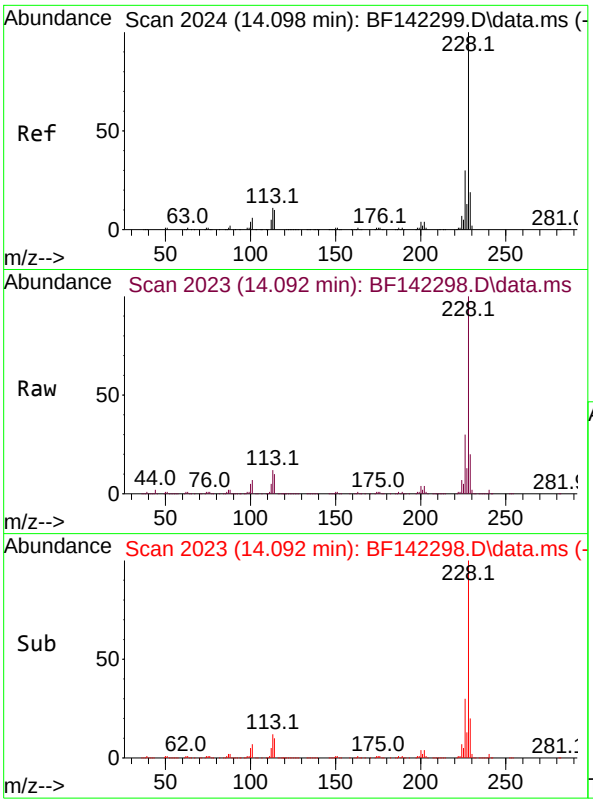


#82
3,3'-Dichlorobenzidine
Concen: 20.978 ng
RT: 14.021 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:252 Resp: 149520

Ion	Ratio	Lower	Upper
252	100		
254	63.2	52.0	78.0
126	11.7	9.7	14.5

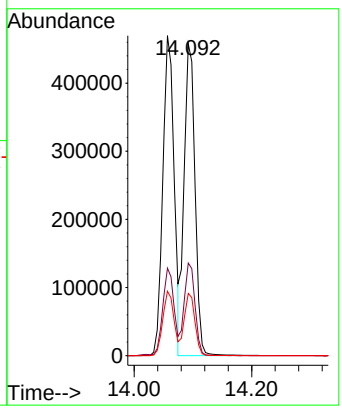




#83
Chrysene
Concen: 20.676 ng
RT: 14.092 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:228 Resp: 58996

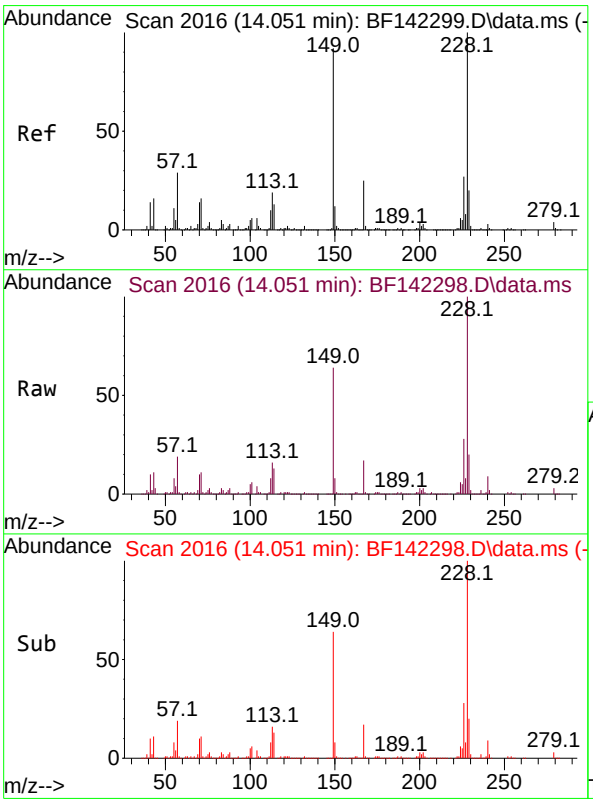
Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.9	35.9
229	19.9	15.4	23.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

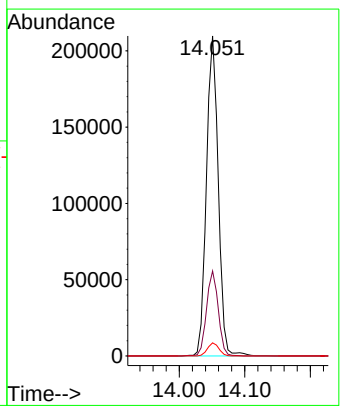
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

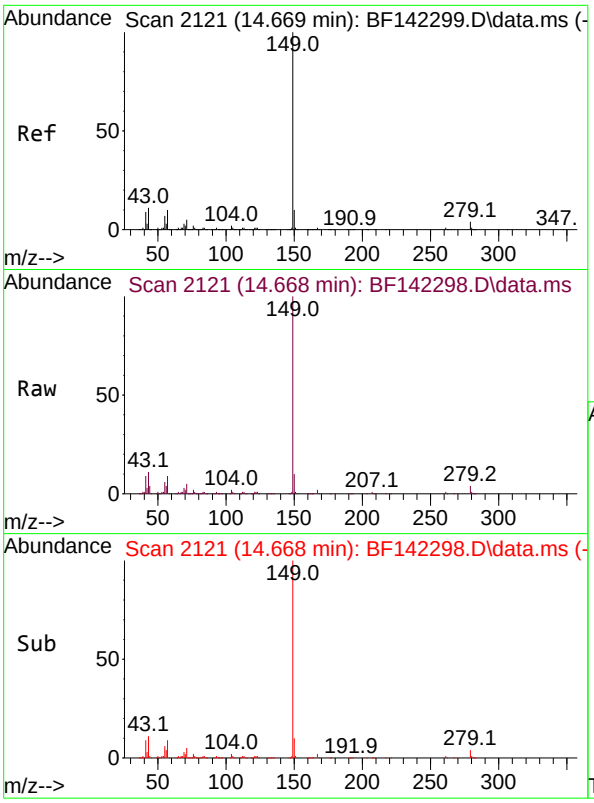


#84
Bis(2-ethylhexyl)phthalate
Concen: 19.237 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:149 Resp: 263391

Ion	Ratio	Lower	Upper
149	100		
167	26.6	22.0	33.0
279	4.1	3.0	4.6

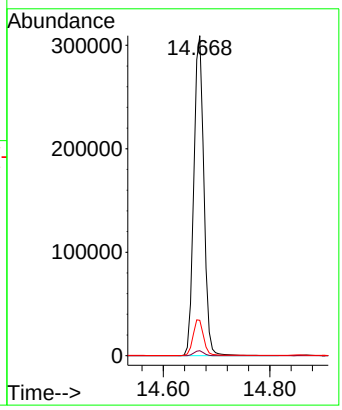




#85
Di-n-octyl phthalate
Concen: 19.581 ng
RT: 14.668 min Scan# 21
Delta R.T. -0.001 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:149 Resp: 40507

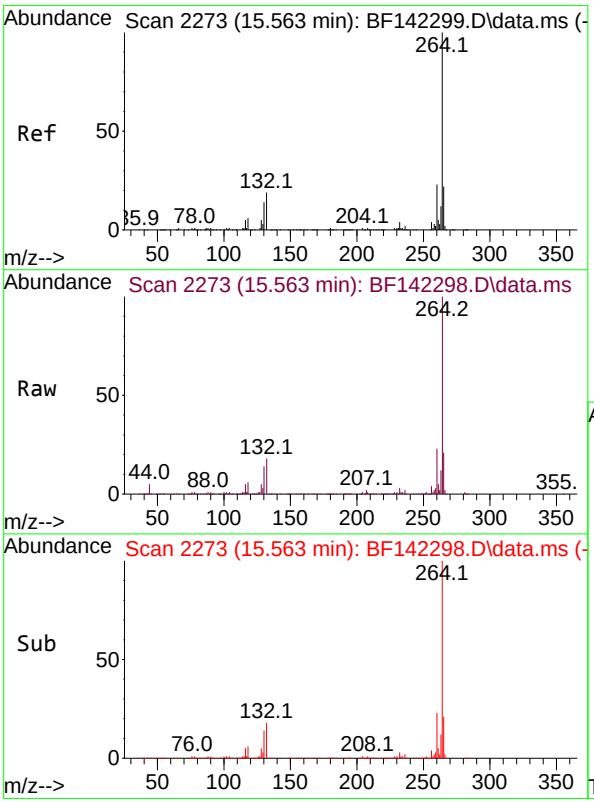
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	11.8	9.2	13.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

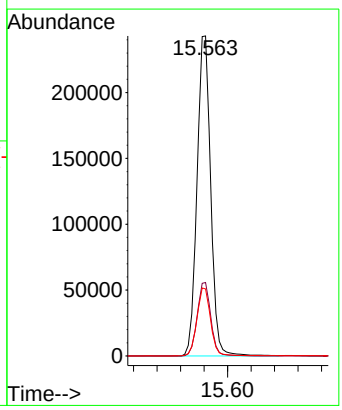
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

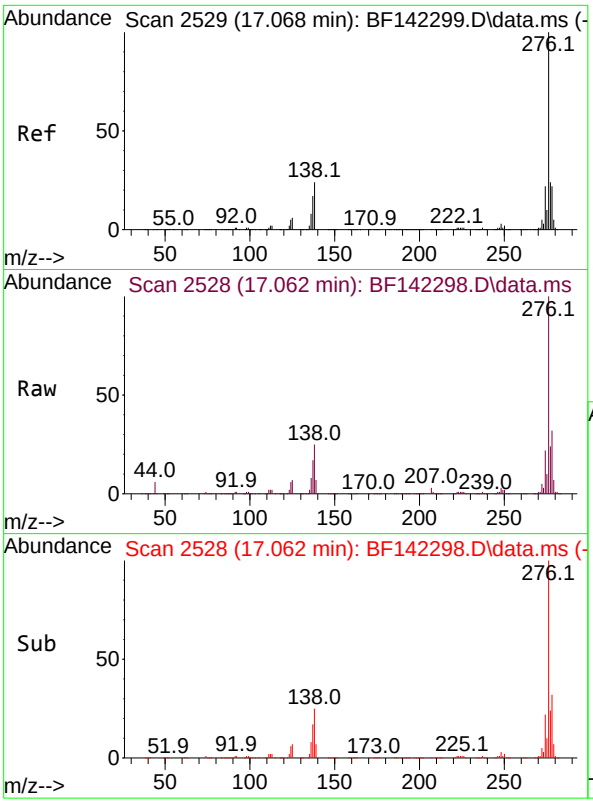


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2273
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:264 Resp: 392077

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.6	27.8
265	21.0	17.5	26.3

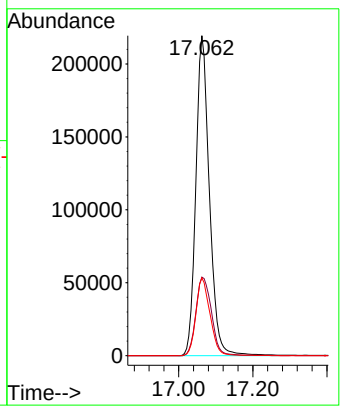




#87
Indeno(1,2,3-cd)pyrene
Concen: 20.421 ng
RT: 17.062 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:276 Resp: 55696

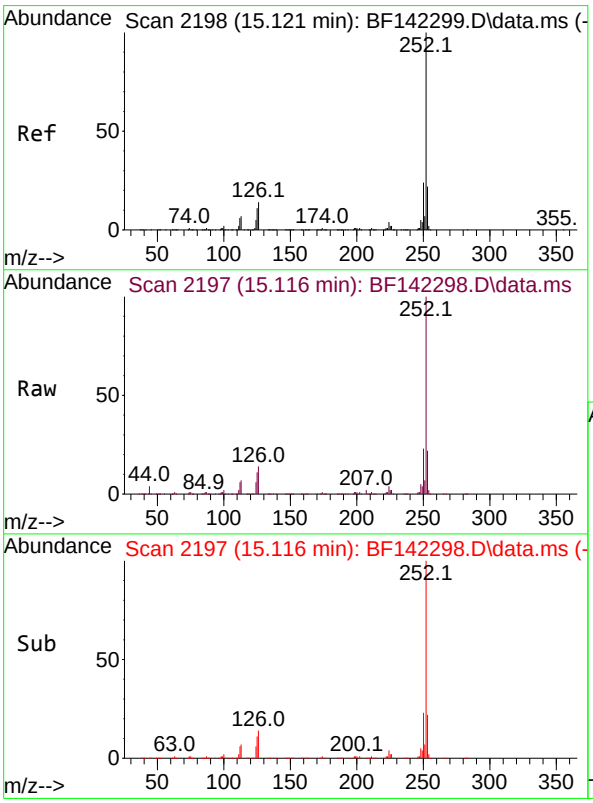
Ion	Ratio	Lower	Upper
276	100		
138	28.3	22.0	33.0
277	25.2	20.1	30.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations
APPROVED

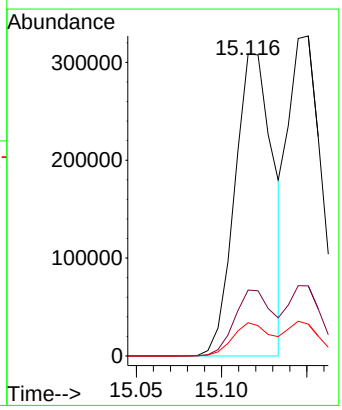
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

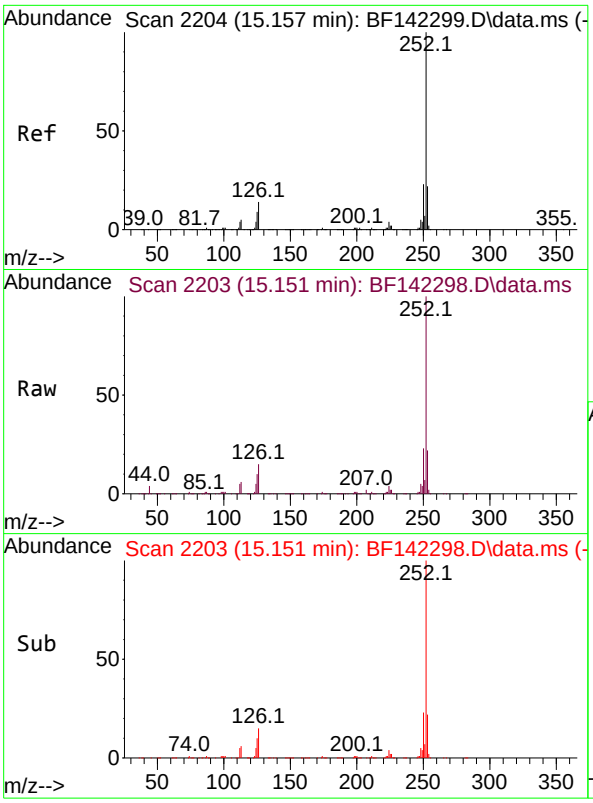


#88
Benzo(b)fluoranthene
Concen: 20.261 ng
RT: 15.116 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:252 Resp: 481134

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	11.0	8.7	13.1

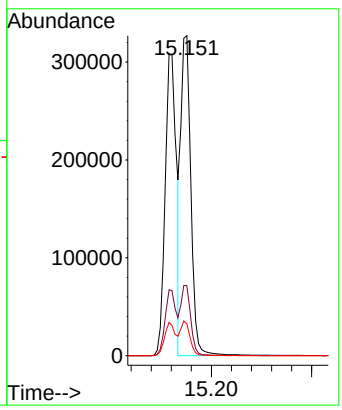




#89
Benzo(k)fluoranthene
Concen: 20.996 ng
RT: 15.151 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:252 Resp: 45626

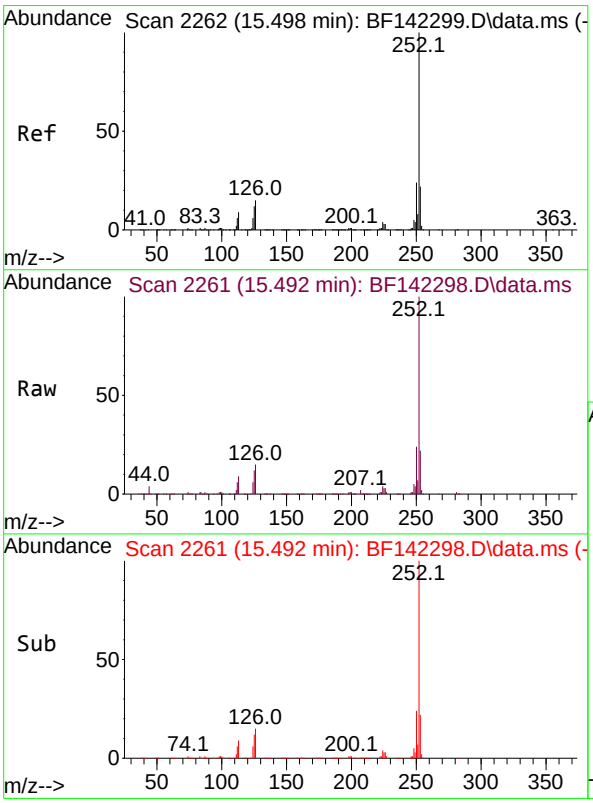
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	10.0	8.1	12.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

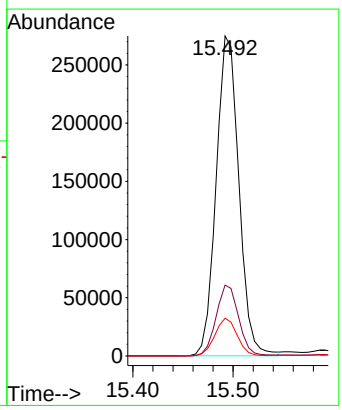
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

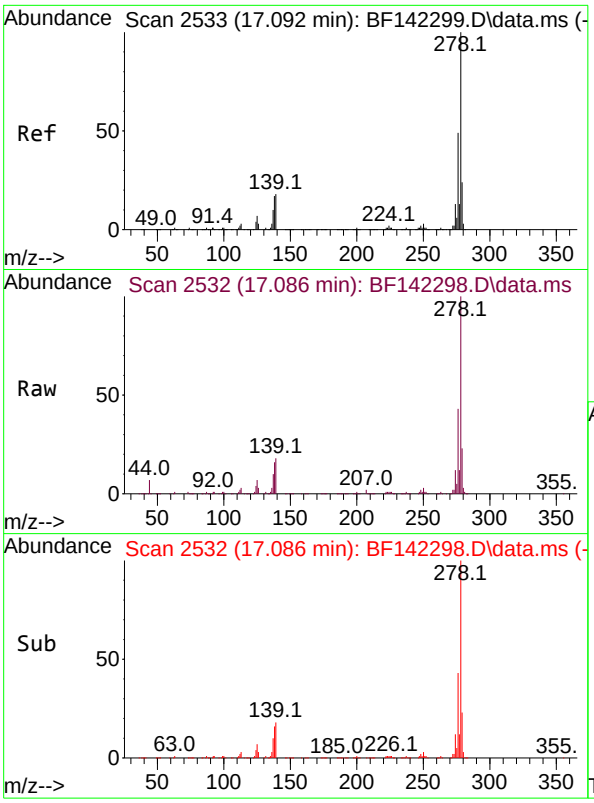


#90
Benzo(a)pyrene
Concen: 20.308 ng
RT: 15.492 min Scan# 2261
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:252 Resp: 432151

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.6
125	11.8	9.4	14.0

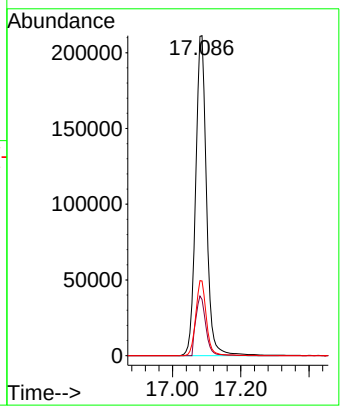




#91
Dibenzo(a,h)anthracene
Concen: 20.783 ng
RT: 17.086 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:278 Resp: 46830

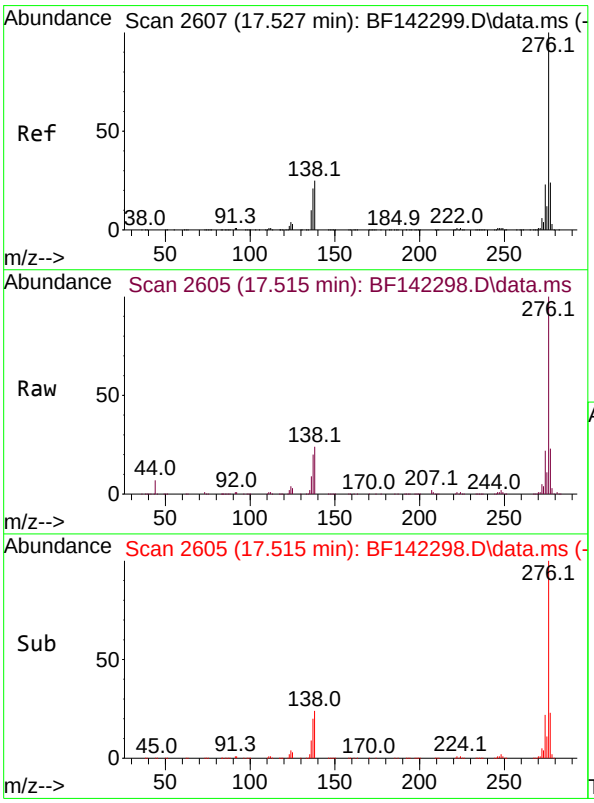
Ion	Ratio	Lower	Upper
278	100		
139	17.6	14.5	21.7
279	23.3	18.9	28.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

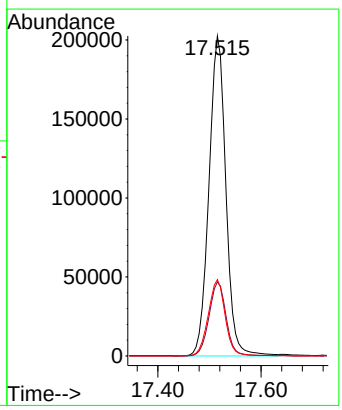
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#92
Benzo(g,h,i)perylene
Concen: 20.598 ng
RT: 17.515 min Scan# 2605
Delta R.T. -0.012 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:276 Resp: 460655

Ion	Ratio	Lower	Upper
276	100		
277	23.2	19.0	28.6
138	23.9	19.8	29.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142299.D
Acq On : 05 May 2025 15:50
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

Quant Time: May 05 17:59:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 17:44:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	215157	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	842526	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	453823	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	760936	20.000	ng	0.00
76) Chrysene-d12	14.069	240	448285	20.000	ng	0.00
86) Perylene-d12	15.563	264	426732	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	968719	76.859	ng	0.00
7) Phenol-d6	6.522	99	1182959	76.311	ng	0.00
23) Nitrobenzene-d5	7.469	82	1103045	79.845	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	347351	79.275	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	2308950	72.545	ng	0.00
79) Terphenyl-d14	13.016	244	2250335	74.299	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.687	88	216454	38.137	ng	100
3) Pyridine	3.452	79	505899	37.907	ng	100
4) n-Nitrosodimethylamine	3.405	42	299573	38.681	ng	100
6) Aniline	6.569	93	631218	41.514	ng	100
8) 2-Chlorophenol	6.687	128	525501	39.017	ng	100
9) Benzaldehyde	6.457	77	315981	34.827	ng	100
10) Phenol	6.540	94	633459m	38.550	ng	
11) bis(2-Chloroethyl)ether	6.640	93	582128m	35.924	ng	
12) 1,3-Dichlorobenzene	6.845	146	579737	37.624	ng	100
13) 1,4-Dichlorobenzene	6.922	146	586776	37.927	ng	100
14) 1,2-Dichlorobenzene	7.075	146	566937	38.177	ng	100
15) Benzyl Alcohol	7.040	79	399542	39.803	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.181	45	918775	37.969	ng	100
17) 2-Methylphenol	7.151	107	418080	38.341	ng	100
18) Hexachloroethane	7.422	117	199182	38.694	ng	100
19) n-Nitroso-di-n-propyla...	7.316	70	370009	38.588	ng	100
20) 3+4-Methylphenols	7.304	107	524172	38.517	ng	100
22) Acetophenone	7.316	105	701214	37.432	ng	100
24) Nitrobenzene	7.487	77	516127	39.634	ng	100
25) Isophorone	7.728	82	988094	37.771	ng	100
26) 2-Nitrophenol	7.804	139	222173	36.469	ng	100
27) 2,4-Dimethylphenol	7.834	122	501635	38.139	ng	100
28) bis(2-Chloroethoxy)met...	7.934	93	629800	37.440	ng	100
29) 2,4-Dichlorophenol	8.040	162	442388	39.562	ng	100
30) 1,2,4-Trichlorobenzene	8.128	180	473497	37.625	ng	100
31) Naphthalene	8.210	128	1526020	37.372	ng	100
32) Benzoic acid	7.940	122	235641	36.564	ng	100
33) 4-Chloroaniline	8.257	127	645610m	38.817	ng	
34) Hexachlorobutadiene	8.328	225	282333	37.888	ng	100
35) Caprolactam	8.622	113	132846	40.850	ng	100
36) 4-Chloro-3-methylphenol	8.728	107	447226	38.475	ng	100
37) 2-Methylnaphthalene	8.904	142	958304	37.768	ng	100
38) 1-Methylnaphthalene	8.998	142	1000206	37.821	ng	100
40) 1,2,4,5-Tetrachloroben...	9.069	216	467314	36.869	ng	100
41) Hexachlorocyclopentadiene	9.057	237	311649	39.785	ng	100
43) 2,4,6-Trichlorophenol	9.175	196	318860	39.883	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142299.D
Acq On : 05 May 2025 15:50
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

Quant Time: May 05 17:59:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 17:44:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	329034	38.680	ng	100
46) 1,1'-Biphenyl	9.363	154	1280889	36.811	ng	100
47) 2-Chloronaphthalene	9.392	162	959880	37.093	ng	100
48) 2-Nitroaniline	9.481	65	270673	40.808	ng	100
49) Acenaphthylene	9.804	152	1618066	37.378	ng	100
50) Dimethylphthalate	9.663	163	1097900	37.675	ng	100
51) 2,6-Dinitrotoluene	9.722	165	222509	40.792	ng	100
52) Acenaphthene	9.981	154	967532	37.171	ng	100
53) 3-Nitroaniline	9.892	138	259735	40.600	ng	100
54) 2,4-Dinitrophenol	9.992	184	88227	35.617	ng	100
55) Dibenzofuran	10.151	168	1411519	36.745	ng	100
56) 4-Nitrophenol	10.039	139	194419	40.380	ng	100
57) 2,4-Dinitrotoluene	10.128	165	288836	41.281	ng	100
58) Fluorene	10.492	166	1084214	36.984	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.263	232	277041	39.451	ng	100
60) Diethylphthalate	10.363	149	1095399	37.640	ng	100
61) 4-Chlorophenyl-phenyle...	10.486	204	523719	37.028	ng	100
62) 4-Nitroaniline	10.504	138	203816	40.198	ng	100
63) Azobenzene	10.645	77	1027227	36.938	ng	100
65) 4,6-Dinitro-2-methylph...	10.533	198	123079	36.690	ng	100
66) n-Nitrosodiphenylamine	10.604	169	957534	37.816	ng	100
67) 4-Bromophenyl-phenylether	10.975	248	328625	38.106	ng	100
68) Hexachlorobenzene	11.039	284	360906	38.046	ng	100
69) Atrazine	11.128	200	265558	39.786	ng	100
70) Pentachlorophenol	11.228	266	211262	42.334	ng	100
71) Phenanthrene	11.457	178	1503192	37.687	ng	100
72) Anthracene	11.510	178	1549487	37.808	ng	100
73) Carbazole	11.657	167	1409408	38.332	ng	100
74) Di-n-butylphthalate	11.992	149	1540981	39.856	ng	100
75) Fluoranthene	12.645	202	1499802	37.616	ng	100
77) Benzidine	12.769	184	321040	39.408	ng	100
78) Pyrene	12.874	202	1528516	38.307	ng	100
80) Butylbenzylphthalate	13.492	149	420197	36.993	ng	100
81) Benzo(a)anthracene	14.063	228	1109518	38.218	ng	100
82) 3,3'-Dichlorobenzidine	14.021	252	265678	39.352	ng	100
83) Chrysene	14.098	228	989811	36.624	ng	100
84) Bis(2-ethylhexyl)phtha...	14.051	149	539105	36.650	ng	100
85) Di-n-octyl phthalate	14.669	149	922803	36.079	ng	100
87) Indeno(1,2,3-cd)pyrene	17.068	276	1181269	39.794	ng	100
88) Benzo(b)fluoranthene	15.121	252	992827	38.414	ng	100
89) Benzo(k)fluoranthene	15.157	252	888026	37.546	ng	100
90) Benzo(a)pyrene	15.498	252	909479	39.269	ng	100
91) Dibenzo(a,h)anthracene	17.092	278	970622	39.578	ng	100
92) Benzo(g,h,i)perylene	17.527	276	956211	39.285	ng	100

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

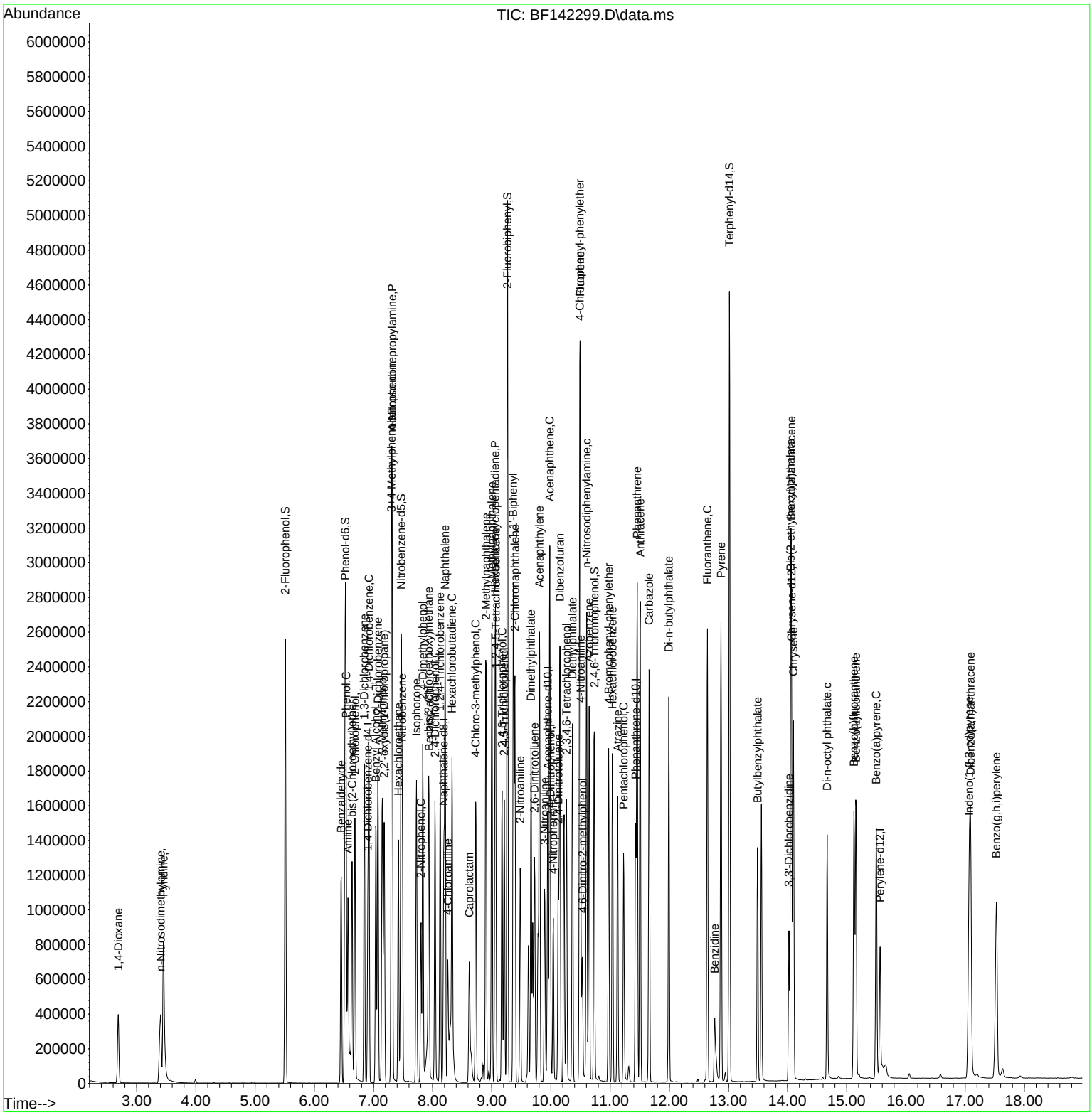
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142299.D
Acq On : 05 May 2025 15:50
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

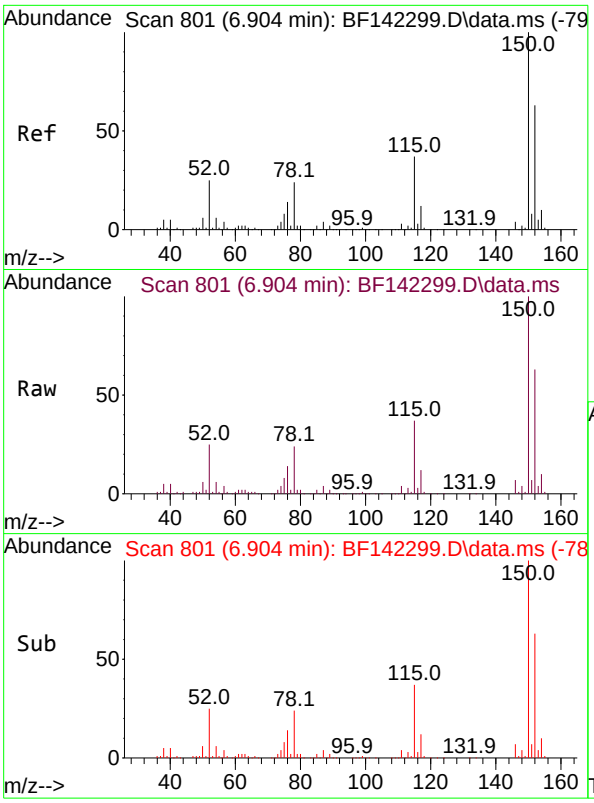
Quant Time: May 05 17:59:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 17:44:56 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

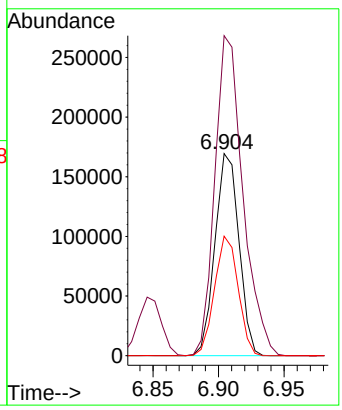




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:152 Resp: 21515

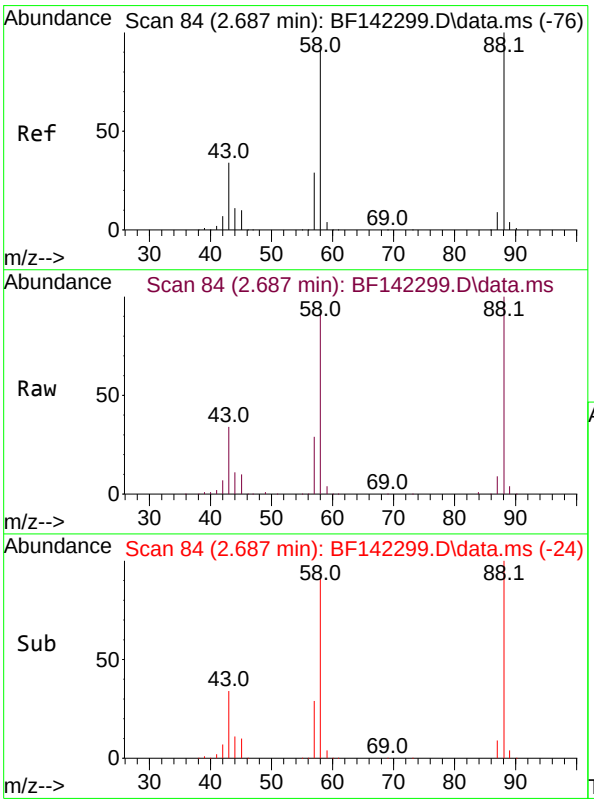
Ion	Ratio	Lower	Upper
152	100		
150	158.3	126.6	190.0
115	59.1	47.3	70.9



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

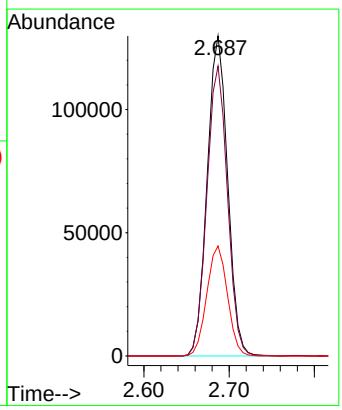
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

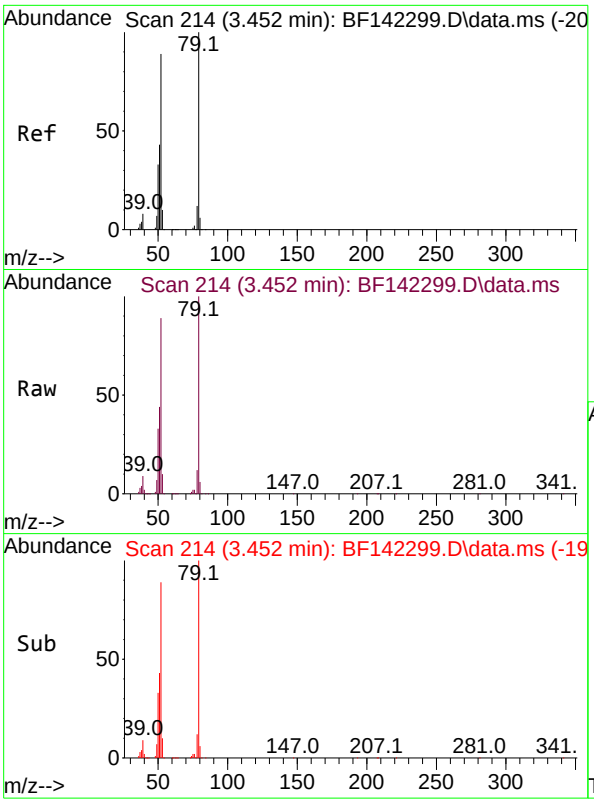


#2
1,4-Dioxane
Concen: 38.137 ng
RT: 2.687 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion: 88 Resp: 216454

Ion	Ratio	Lower	Upper
88	100		
58	91.2	73.0	109.4
43	34.7	27.8	41.6

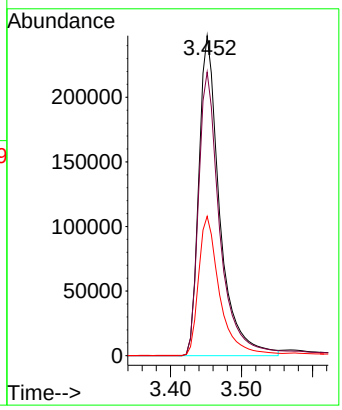




#3
Pyridine
Concen: 37.907 ng
RT: 3.452 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion: 79 Resp: 505899

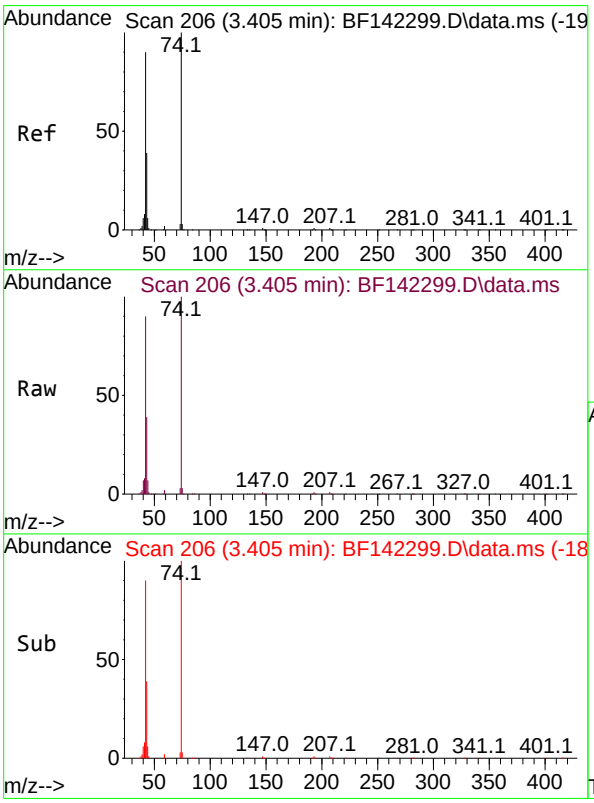
Ion	Ratio	Lower	Upper
79	100		
52	88.7	71.0	106.4
51	43.6	34.9	52.3



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

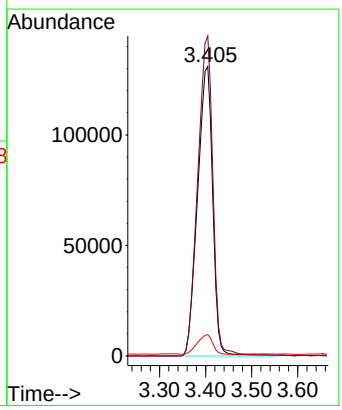
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

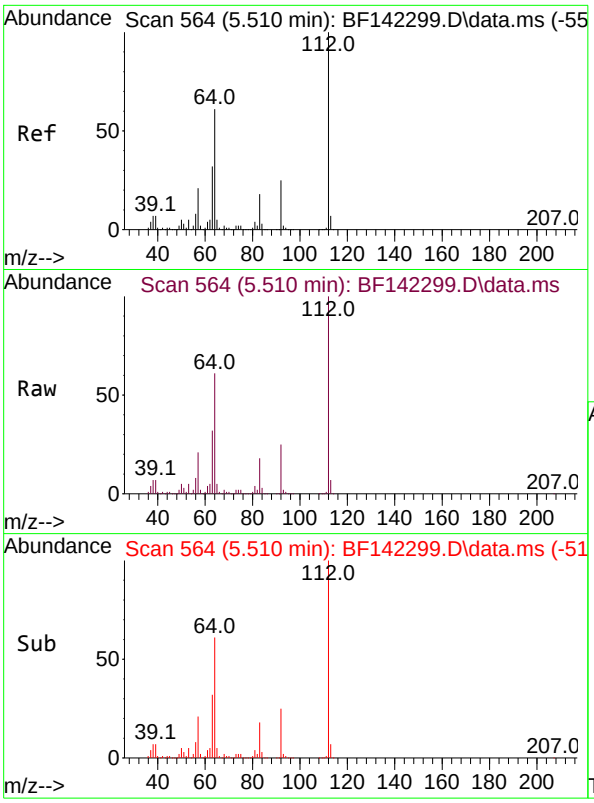


#4
n-Nitrosodimethylamine
Concen: 38.681 ng
RT: 3.405 min Scan# 206
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion: 42 Resp: 299573

Ion	Ratio	Lower	Upper
42	100		
74	110.6	88.5	132.7
44	7.3	5.8	8.8

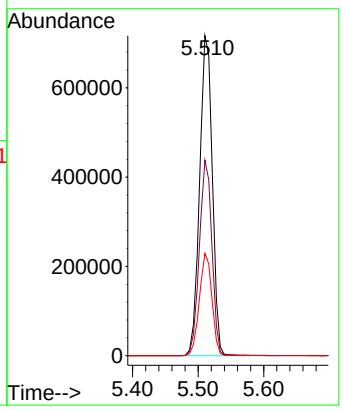




#5
2-Fluorophenol
Concen: 76.859 ng
RT: 5.510 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:112 Resp: 96871

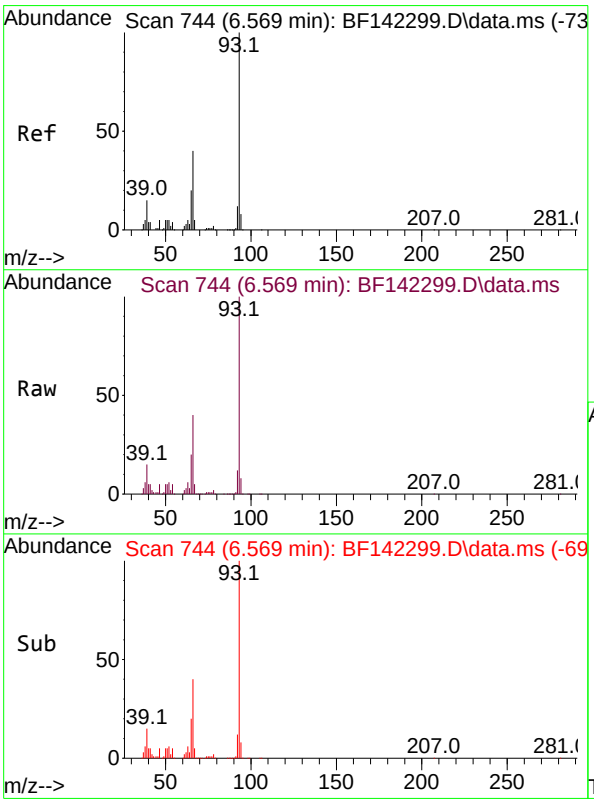
Ion	Ratio	Lower	Upper
112	100		
64	61.1	48.9	73.3
63	32.0	25.6	38.4



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

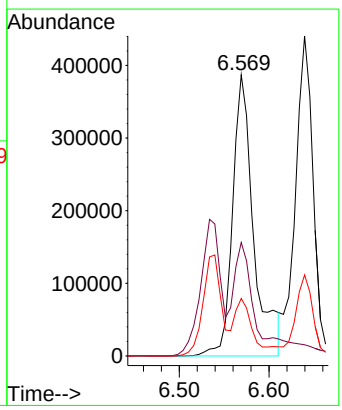
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

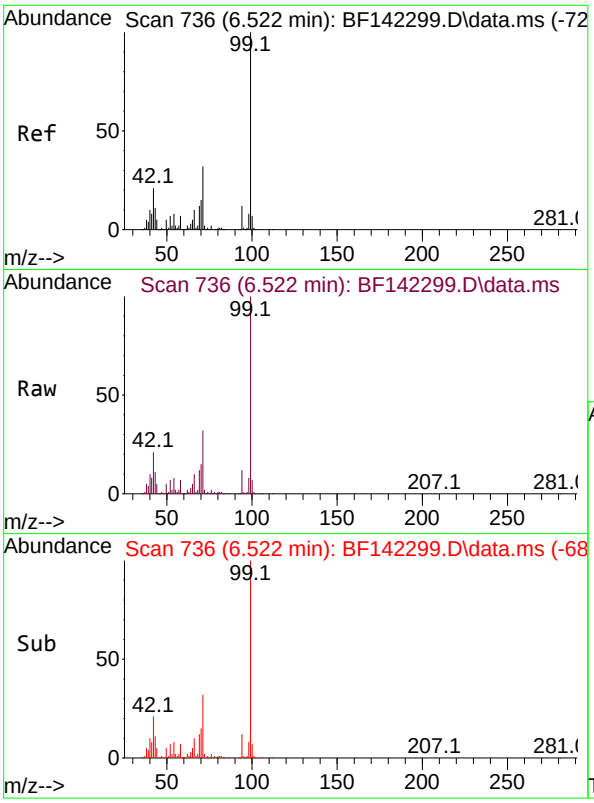


#6
Aniline
Concen: 41.514 ng
RT: 6.569 min Scan# 744
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion: 93 Resp: 631218

Ion	Ratio	Lower	Upper
93	100		
66	40.3	32.2	48.4
65	20.4	16.3	24.5

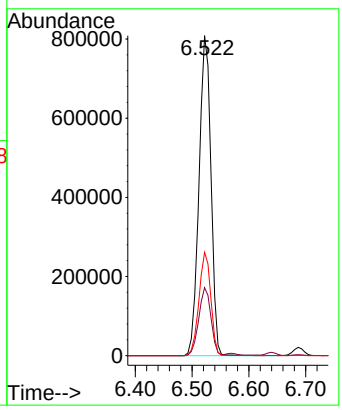




#7
Phenol-d6
Concen: 76.311 ng
RT: 6.522 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion: 99 Resp: 118295

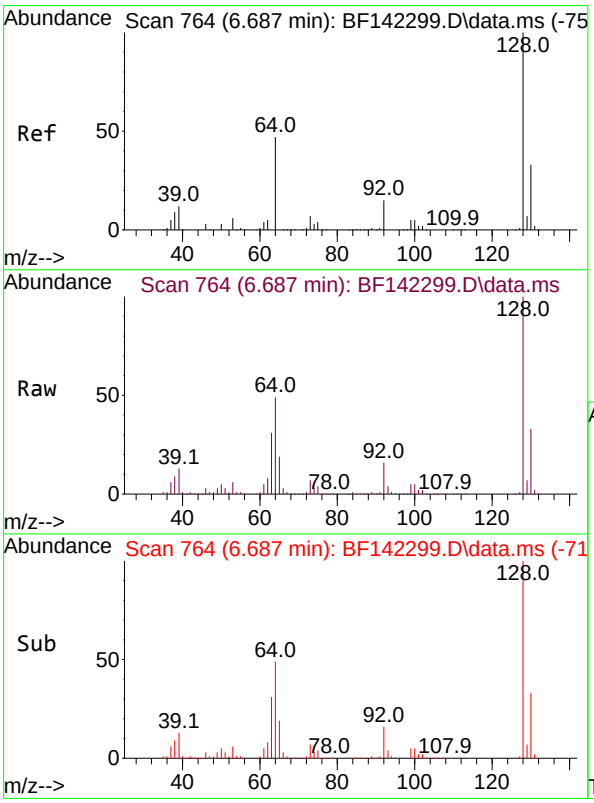
Ion	Ratio	Lower	Upper
99	100		
42	21.2	17.0	25.4
71	32.3	25.8	38.8



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

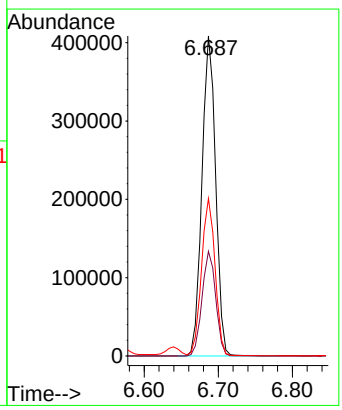
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

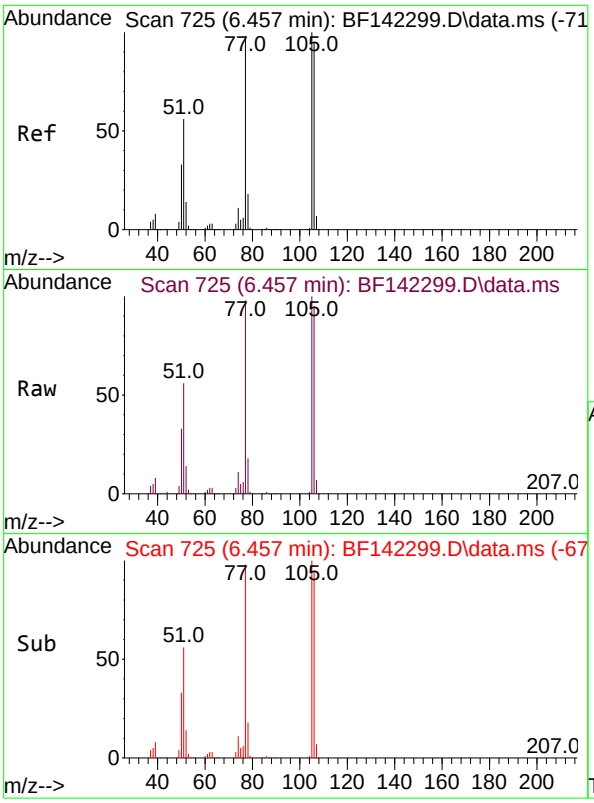


#8
2-Chlorophenol
Concen: 39.017 ng
RT: 6.687 min Scan# 764
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:128 Resp: 525501

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.7	52.7
64	49.2	29.2	69.2

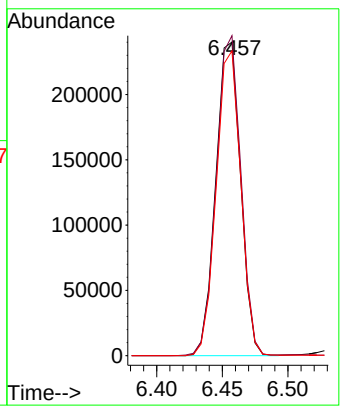




#9
Benzaldehyde
Concen: 34.827 ng
RT: 6.457 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion: 77 Resp: 31598

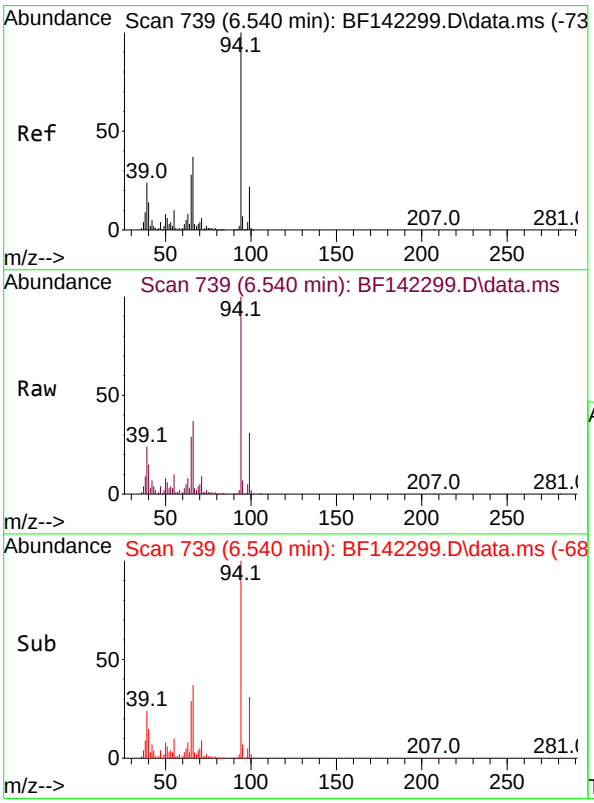
Ion	Ratio	Lower	Upper
77	100		
105	102.0	82.0	122.0
106	97.2	77.2	117.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

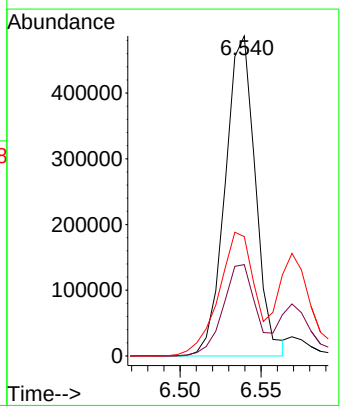
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

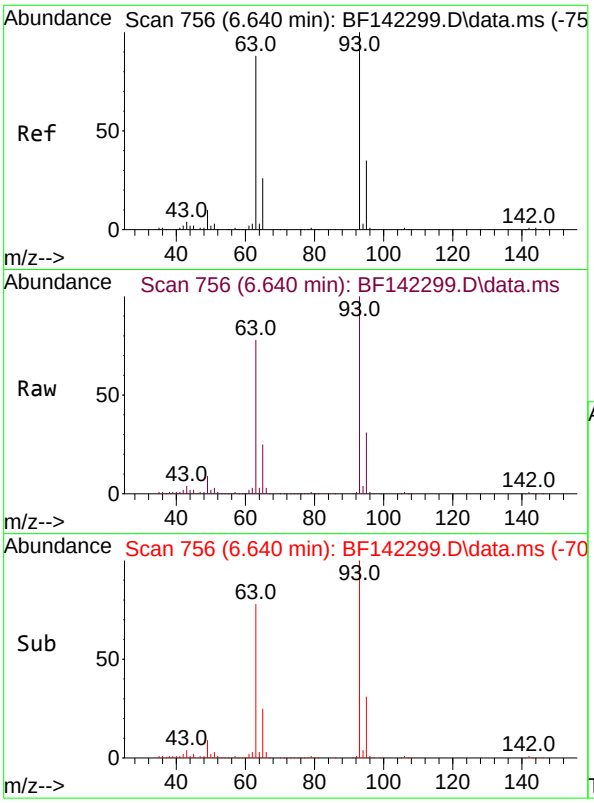


#10
Phenol
Concen: 38.550 ng m
RT: 6.540 min Scan# 739
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion: 94 Resp: 633459

Ion	Ratio	Lower	Upper
94	100		
65	28.5	8.5	48.5
66	37.3	17.3	57.3

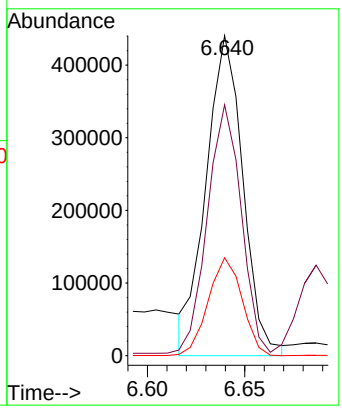




#11
bis(2-Chloroethyl)ether
Concen: 35.924 ng m
RT: 6.640 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion: 93 Resp: 58212

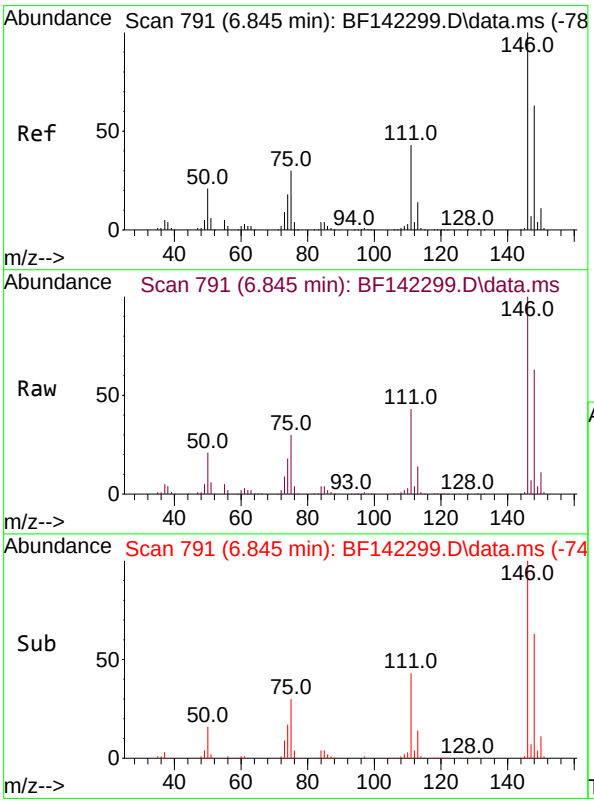
Ion	Ratio	Lower	Upper
93	100		
63	78.4	58.4	98.4
95	30.6	10.6	50.6



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

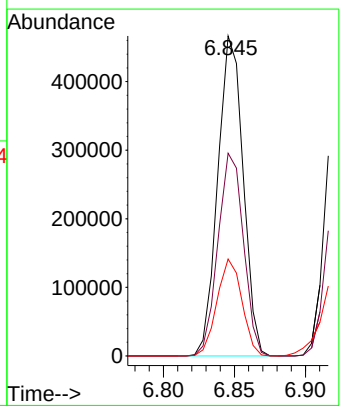
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

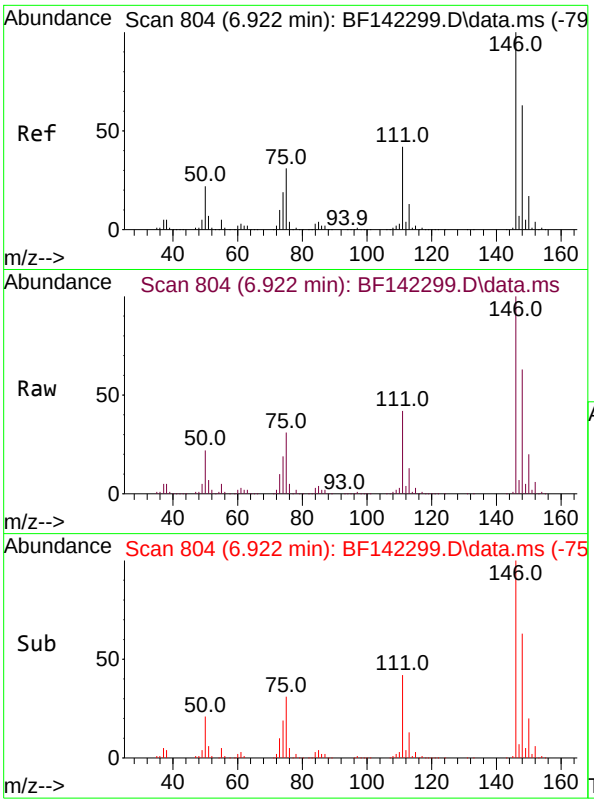


#12
1,3-Dichlorobenzene
Concen: 37.624 ng
RT: 6.845 min Scan# 791
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:146 Resp: 579737

Ion	Ratio	Lower	Upper
146	100		
148	63.3	50.6	76.0
75	30.3	24.2	36.4

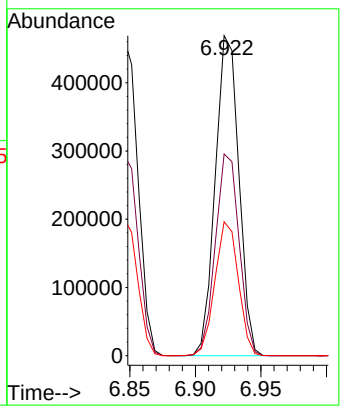




#13
1,4-Dichlorobenzene
Concen: 37.927 ng
RT: 6.922 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:146 Resp: 58677

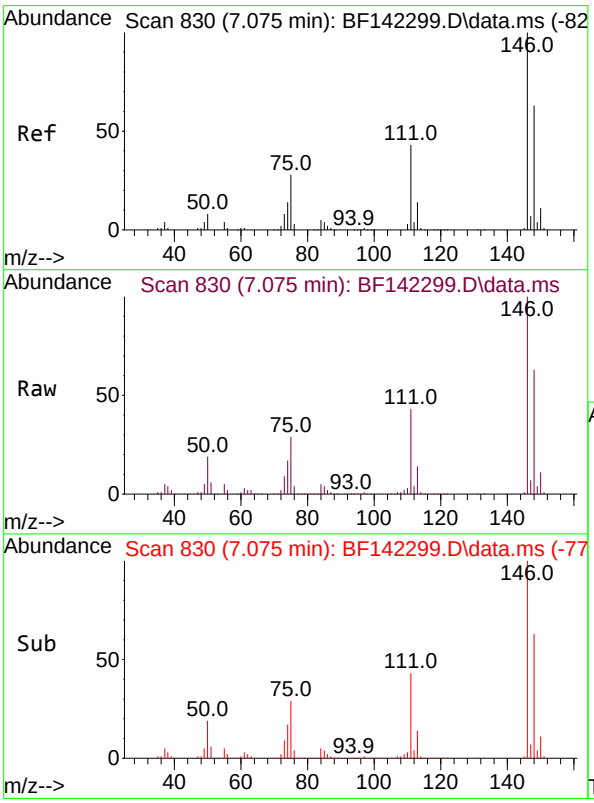
Ion	Ratio	Lower	Upper
146	100		
148	63.1	50.5	75.7
111	41.8	33.4	50.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

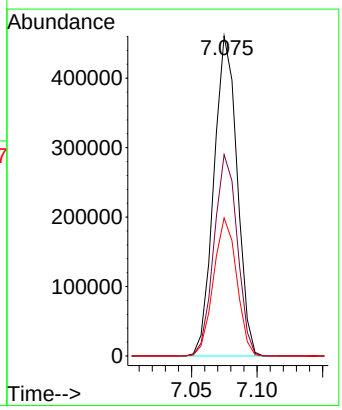
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

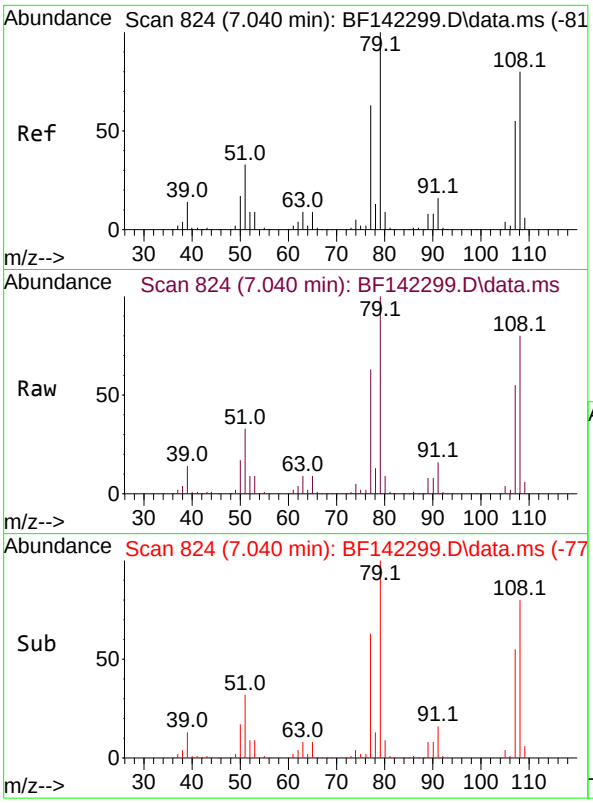


#14
1,2-Dichlorobenzene
Concen: 38.177 ng
RT: 7.075 min Scan# 830
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:146 Resp: 566937

Ion	Ratio	Lower	Upper
146	100		
148	62.9	50.3	75.5
111	43.1	34.5	51.7





#15
Benzyl Alcohol
Concen: 39.803 ng
RT: 7.040 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

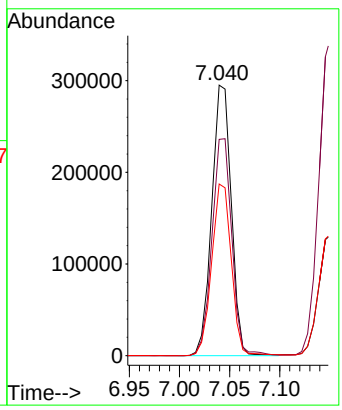
Tgt Ion: 79 Resp: 39954

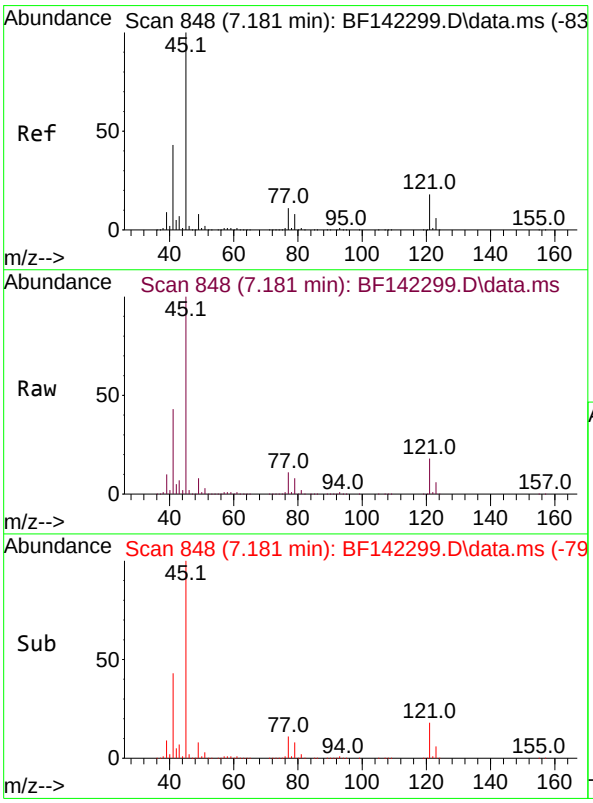
Ion	Ratio	Lower	Upper
79	100		
108	79.9	63.9	95.9
77	63.4	50.7	76.1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

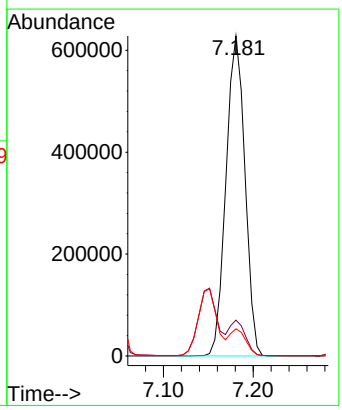


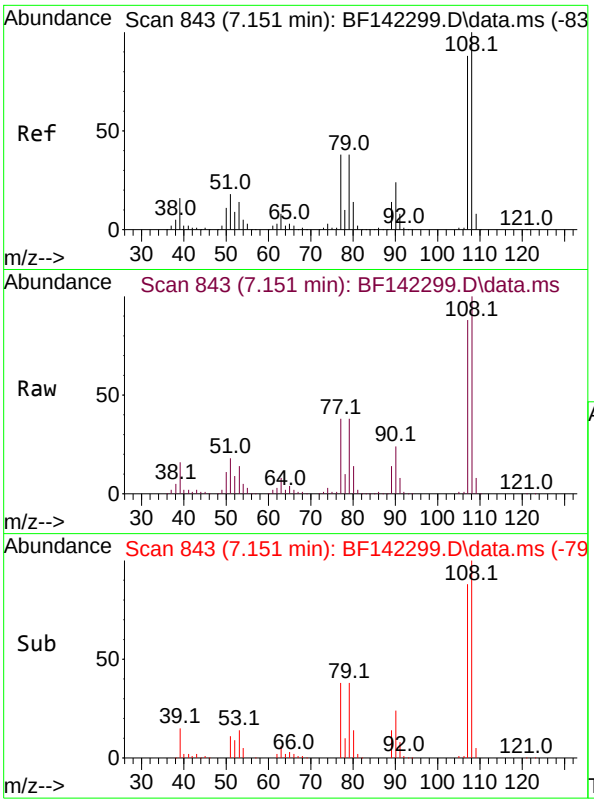


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.969 ng
RT: 7.181 min Scan# 848
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion: 45 Resp: 918775

Ion	Ratio	Lower	Upper
45	100		
77	11.2	0.0	31.2
79	8.5	0.0	28.5

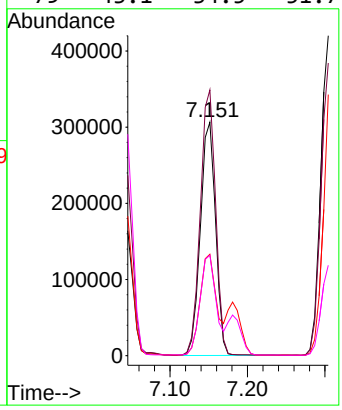




#17
2-Methylphenol
Concen: 38.341 ng
RT: 7.151 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:107 Resp: 41808

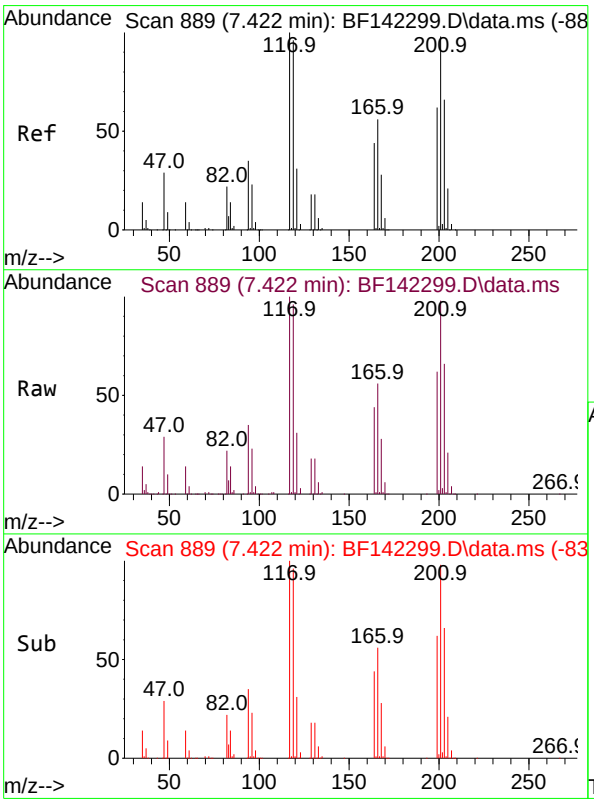
Ion	Ratio	Lower	Upper
107	100		
108	113.9	91.1	136.7
77	43.4	34.7	52.1
79	43.1	34.5	51.7



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

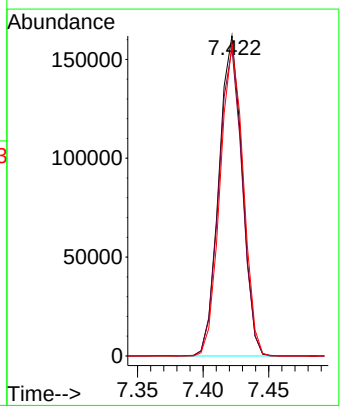
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

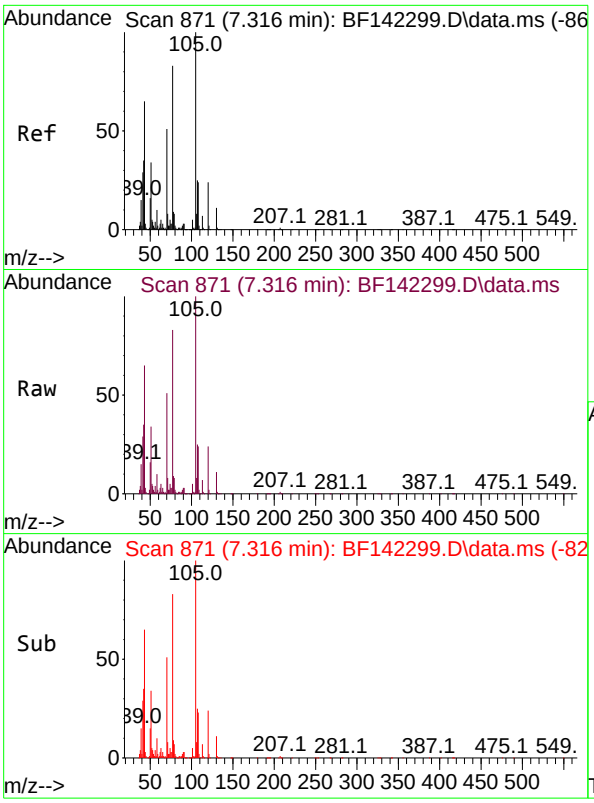


#18
Hexachloroethane
Concen: 38.694 ng
RT: 7.422 min Scan# 889
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:117 Resp: 199182

Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.9	115.3
201	97.5	78.0	117.0

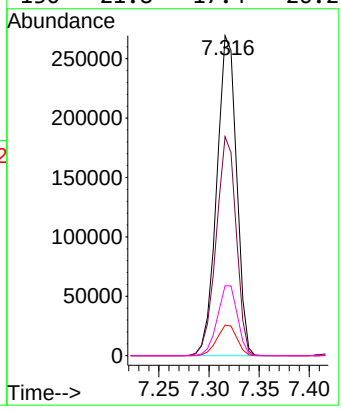




#19
n-Nitroso-di-n-propylamine
Concen: 38.588 ng
RT: 7.316 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion: 70 Resp: 37000

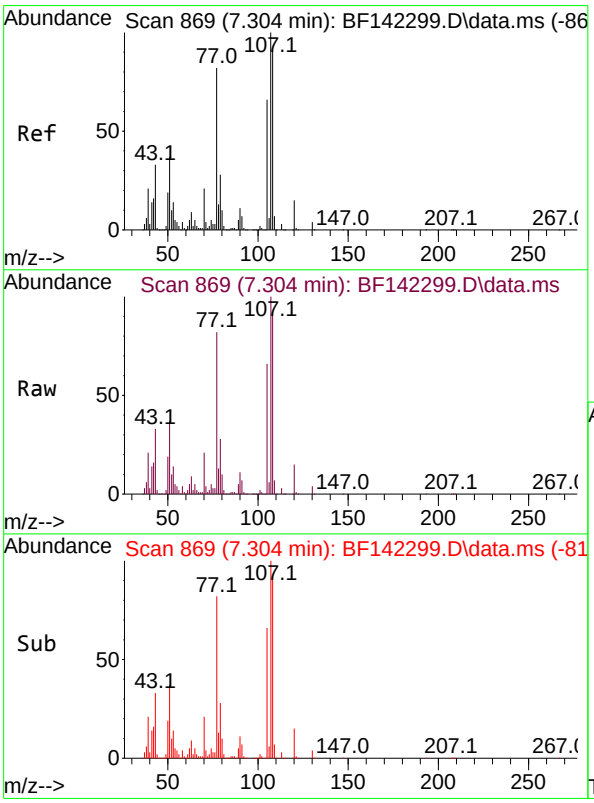
Ion	Ratio	Lower	Upper
70	100		
42	68.5	54.8	82.2
101	9.6	7.7	11.5
130	21.8	17.4	26.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

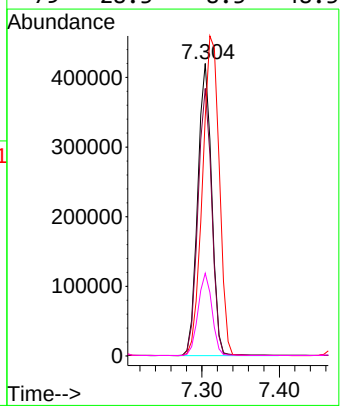
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

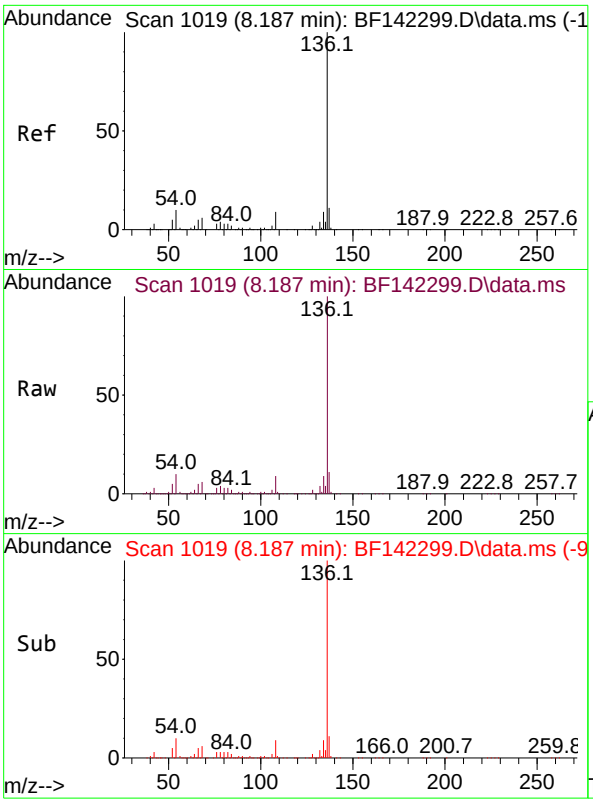


#20
3+4-Methylphenols
Concen: 38.517 ng
RT: 7.304 min Scan# 869
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:107 Resp: 524172

Ion	Ratio	Lower	Upper
107	100		
108	91.5	71.5	111.5
77	81.6	61.6	101.6
79	28.3	8.3	48.3

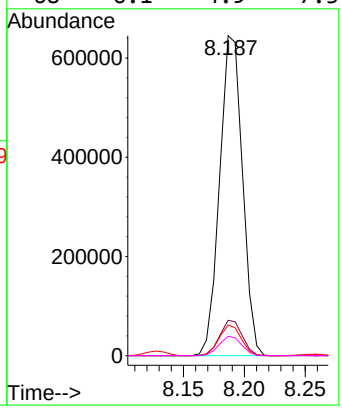




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:136 Resp: 84252

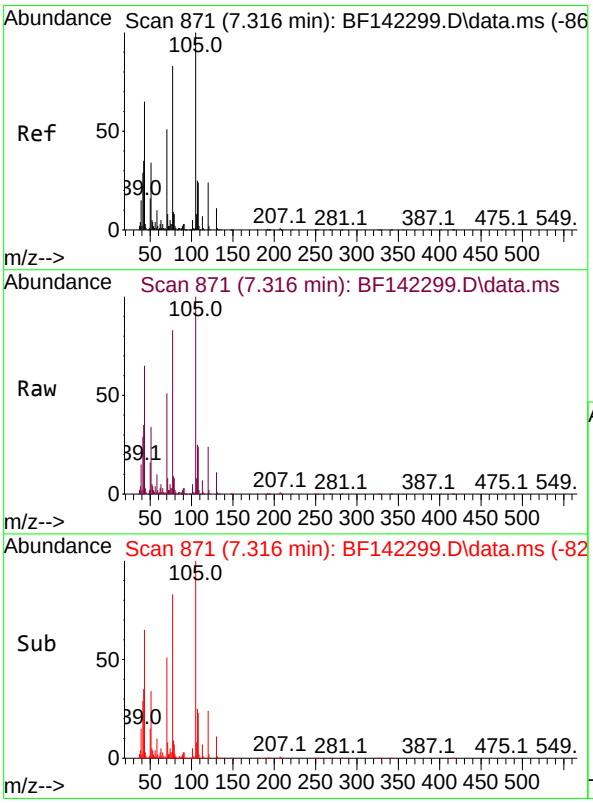
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	9.6	7.7	11.5
68	6.1	4.9	7.3



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

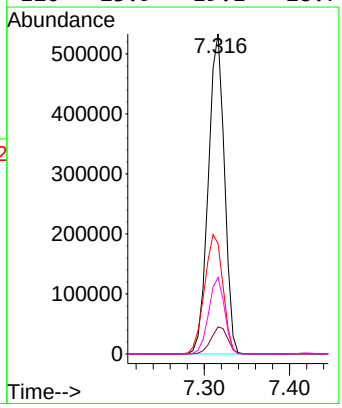
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

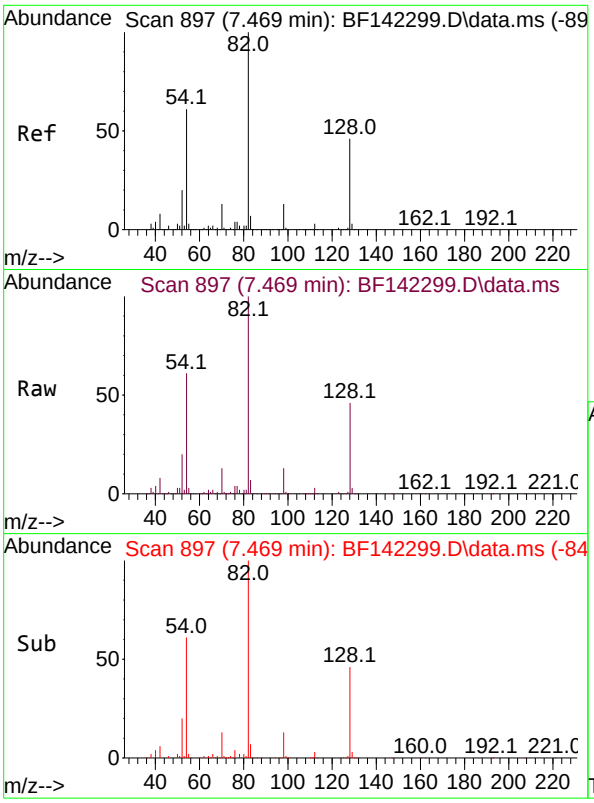


#22
Acetophenone
Concen: 37.432 ng
RT: 7.316 min Scan# 871
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:105 Resp: 701214

Ion	Ratio	Lower	Upper
105	100		
71	8.4	6.7	10.1
51	34.5	27.6	41.4
120	23.9	19.1	28.7

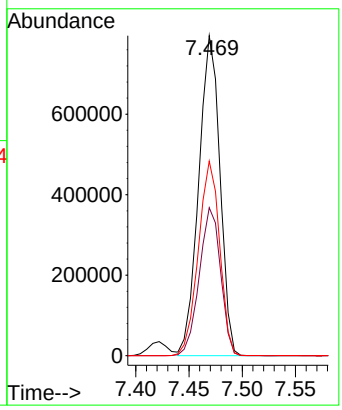




#23
Nitrobenzene-d5
Concen: 79.845 ng
RT: 7.469 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion: 82 Resp: 110304

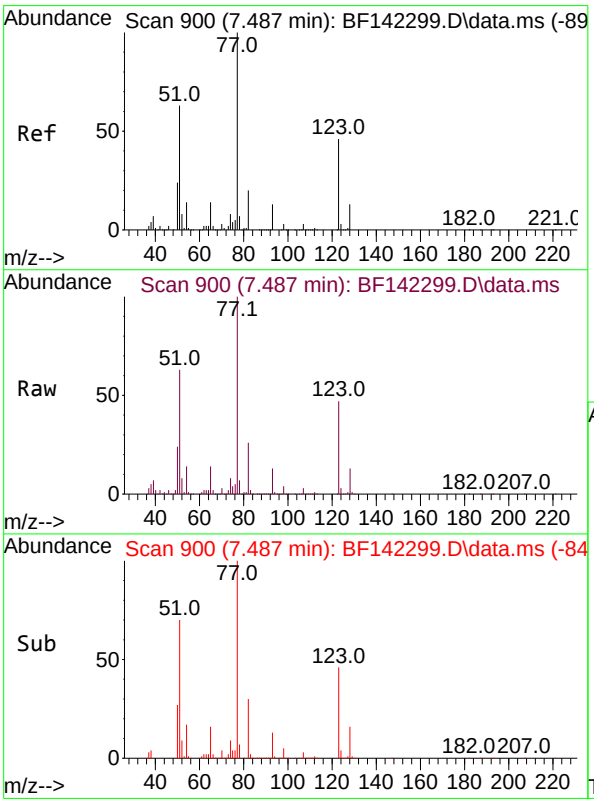
Ion	Ratio	Lower	Upper
82	100		
128	46.3	37.0	55.6
54	60.8	48.6	73.0



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

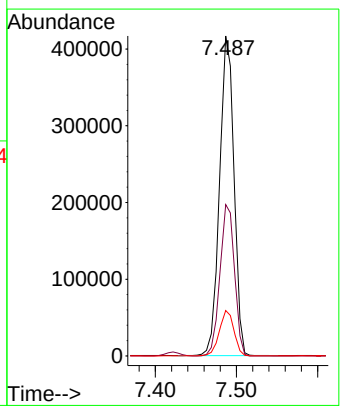
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

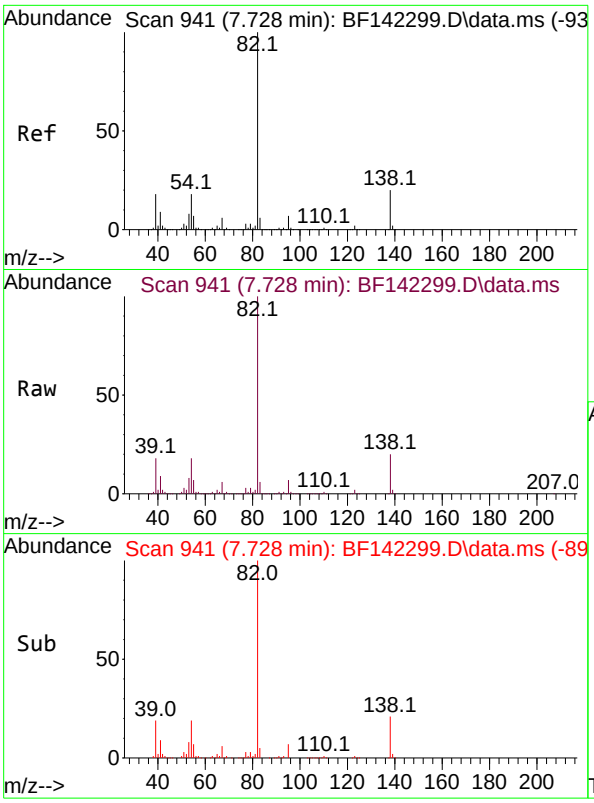


#24
Nitrobenzene
Concen: 39.634 ng
RT: 7.487 min Scan# 900
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion: 77 Resp: 516127

Ion	Ratio	Lower	Upper
77	100		
123	47.3	37.8	56.8
65	14.2	11.4	17.0





#25
Isophorone
Concen: 37.771 ng
RT: 7.728 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

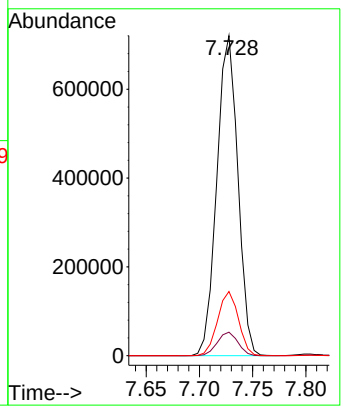
Tgt Ion: 82 Resp: 98809

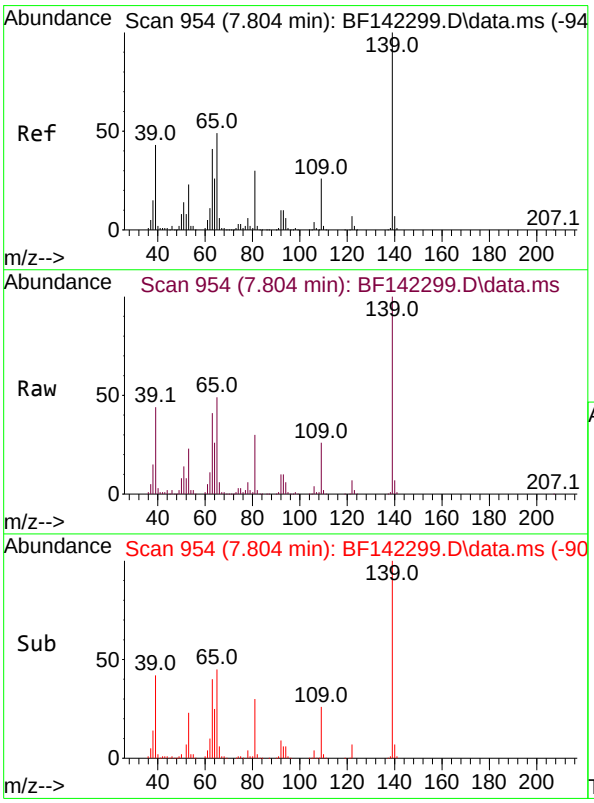
Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.8	8.8
138	20.1	16.1	24.1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

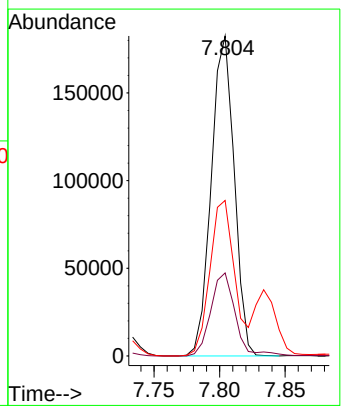


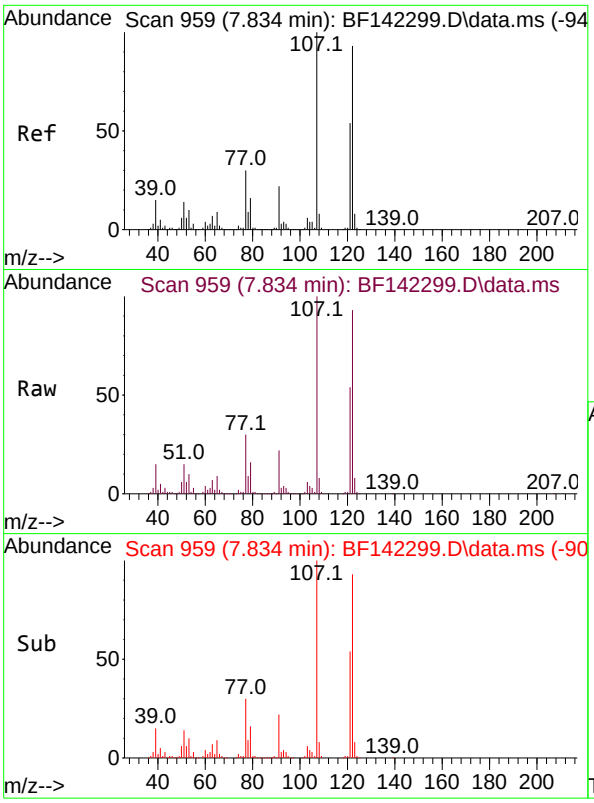


#26
2-Nitrophenol
Concen: 36.469 ng
RT: 7.804 min Scan# 954
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:139 Resp: 222173

Ion	Ratio	Lower	Upper
139	100		
109	26.0	20.8	31.2
65	48.6	38.9	58.3

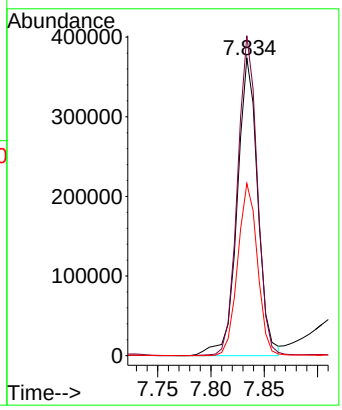




#27
2,4-Dimethylphenol
Concen: 38.139 ng
RT: 7.834 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:122 Resp: 50163

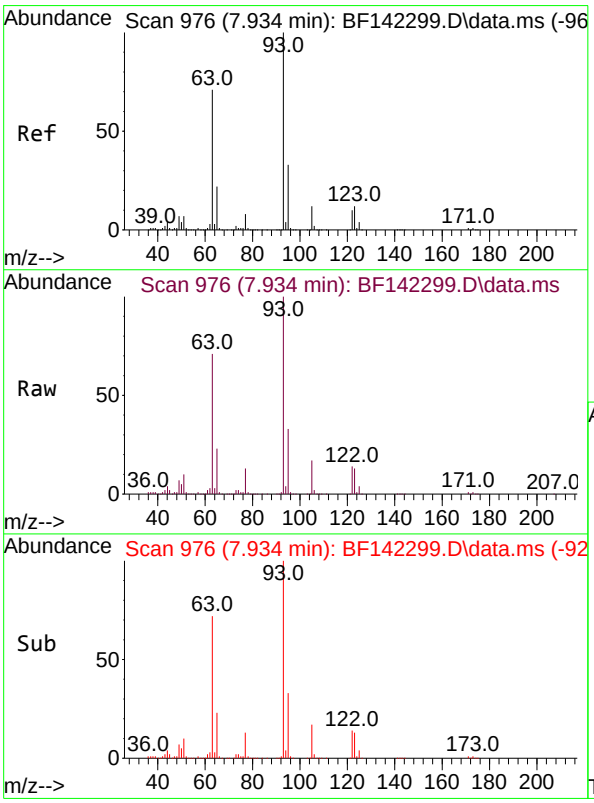
Ion	Ratio	Lower	Upper
122	100		
107	107.5	86.0	129.0
121	57.8	46.2	69.4



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

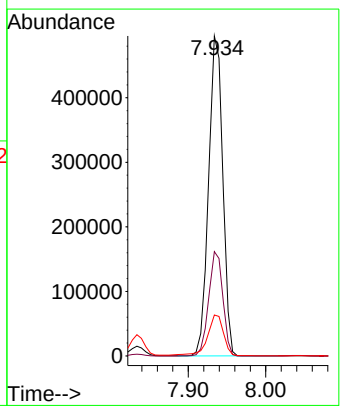
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

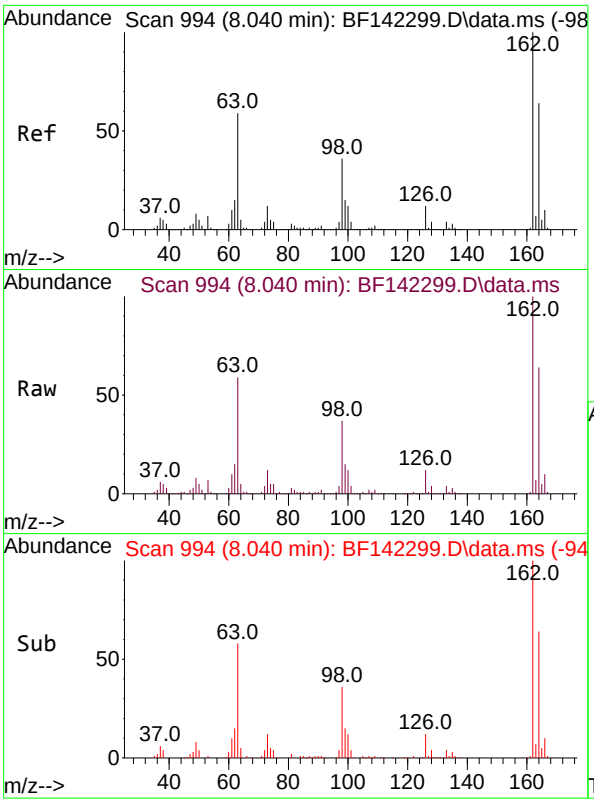


#28
bis(2-Chloroethoxy)methane
Concen: 37.440 ng
RT: 7.934 min Scan# 976
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion: 93 Resp: 629800

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.1	39.1
123	12.8	10.2	15.4





#29
2,4-Dichlorophenol
Concen: 39.562 ng
RT: 8.040 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

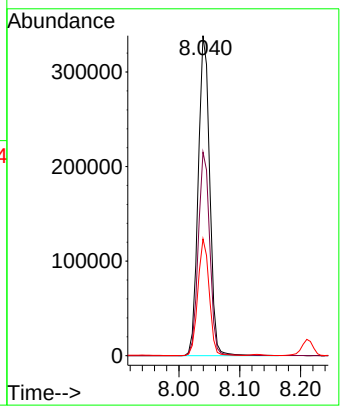
Tgt Ion:162 Resp: 44238

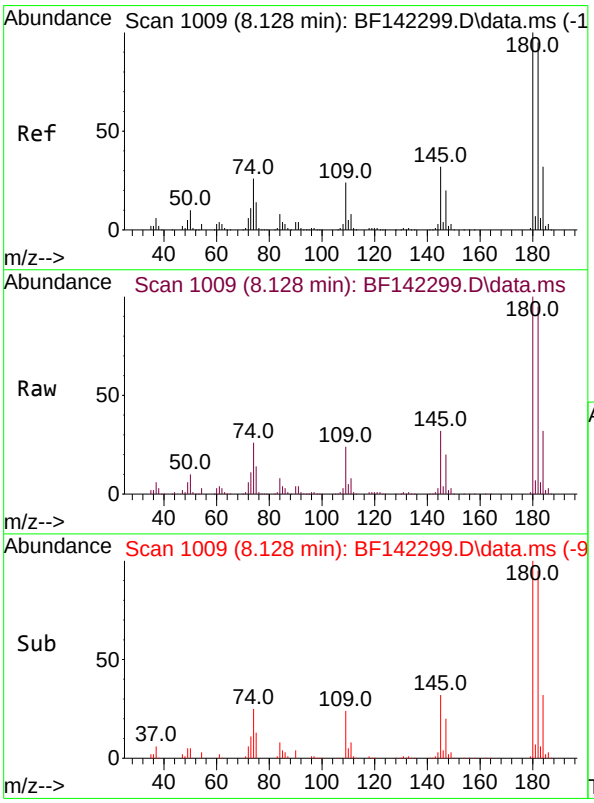
Ion	Ratio	Lower	Upper
162	100		
164	63.6	43.6	83.6
98	36.5	16.5	56.5

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

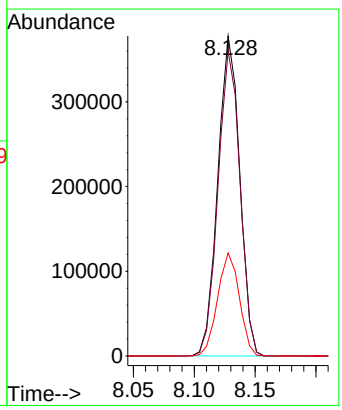


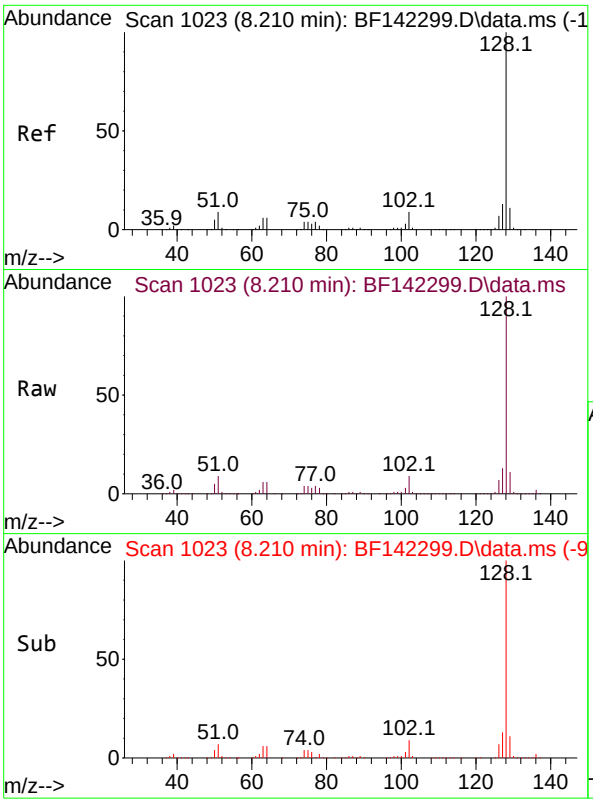


#30
1,2,4-Trichlorobenzene
Concen: 37.625 ng
RT: 8.128 min Scan# 1009
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:180 Resp: 473497

Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.2	114.4
145	32.2	25.8	38.6

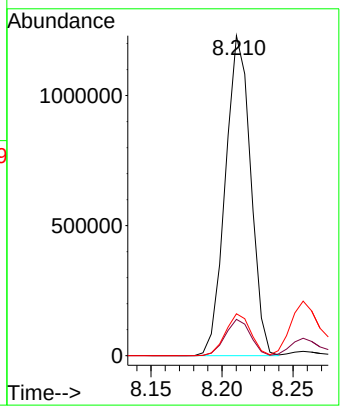




#31
Naphthalene
Concen: 37.372 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:128 Resp: 152602

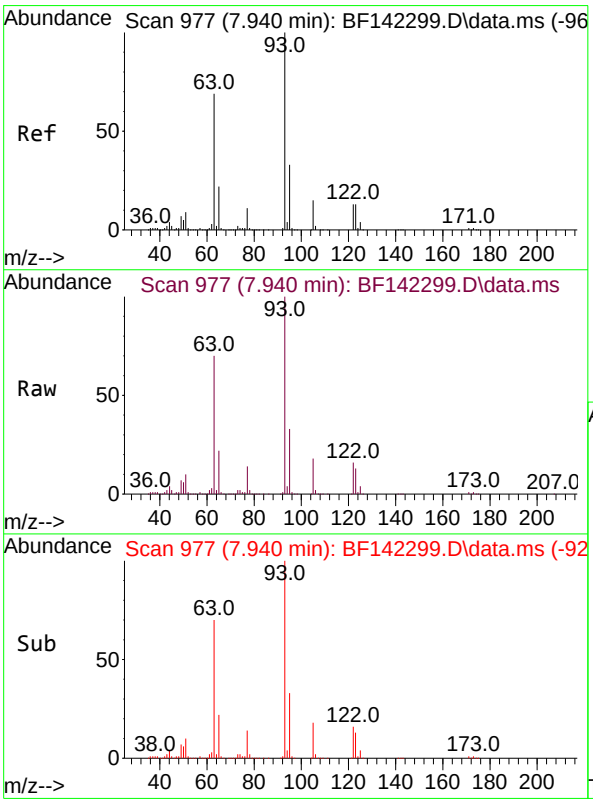
Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.1	13.7
127	13.1	10.5	15.7



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

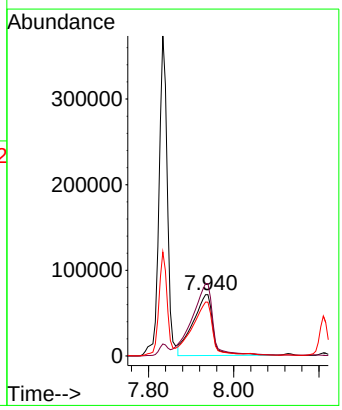
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

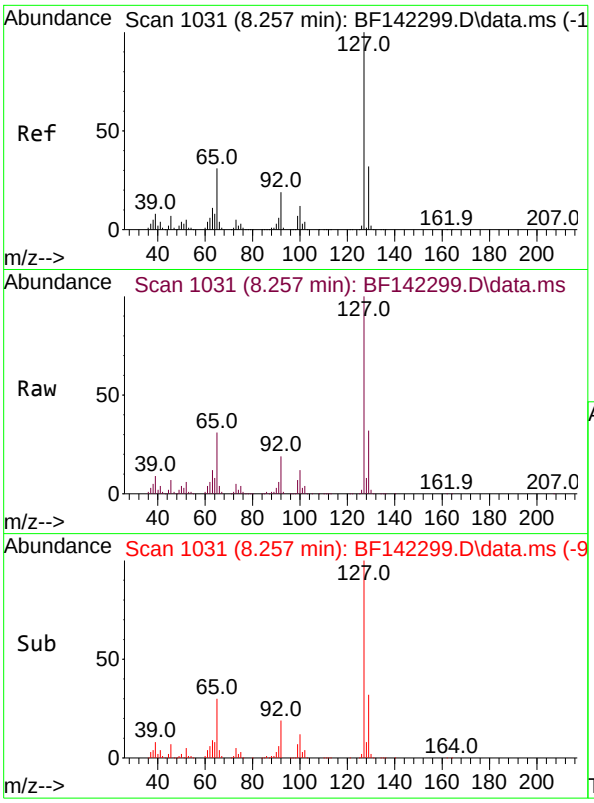


#32
Benzoic acid
Concen: 36.564 ng
RT: 7.940 min Scan# 977
Delta R.T. -0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:122 Resp: 235641

Ion	Ratio	Lower	Upper
122	100		
105	117.9	97.9	137.9
77	87.7	67.7	107.7

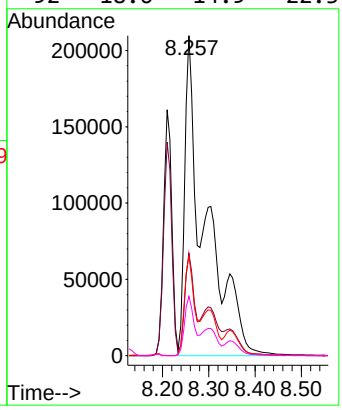




#33
4-Chloroaniline
Concen: 38.817 ng m
RT: 8.257 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:127 Resp: 64561

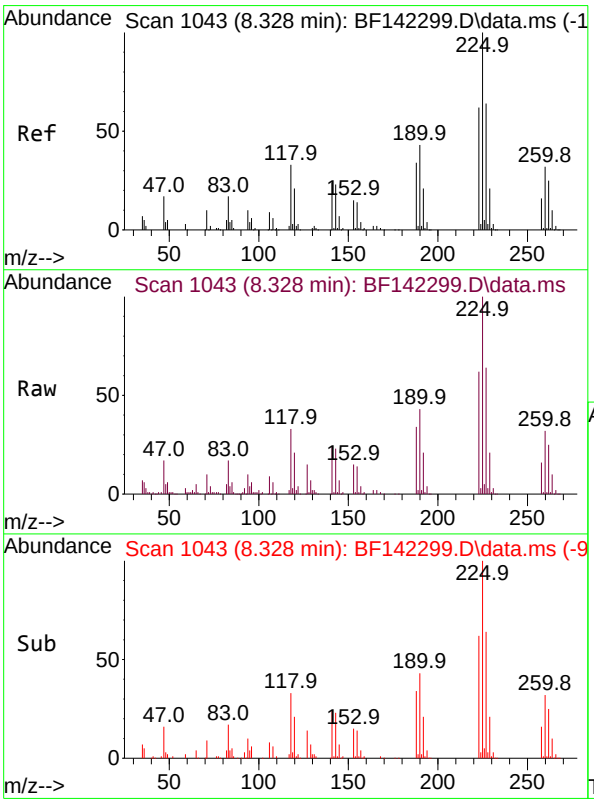
Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.7	38.5
65	31.1	24.9	37.3
92	18.6	14.9	22.3



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

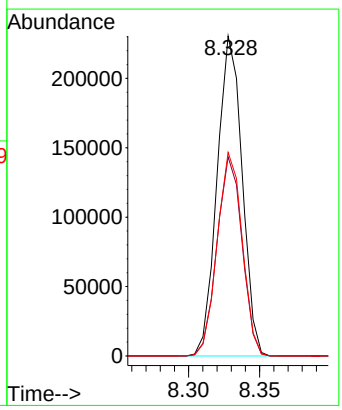
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

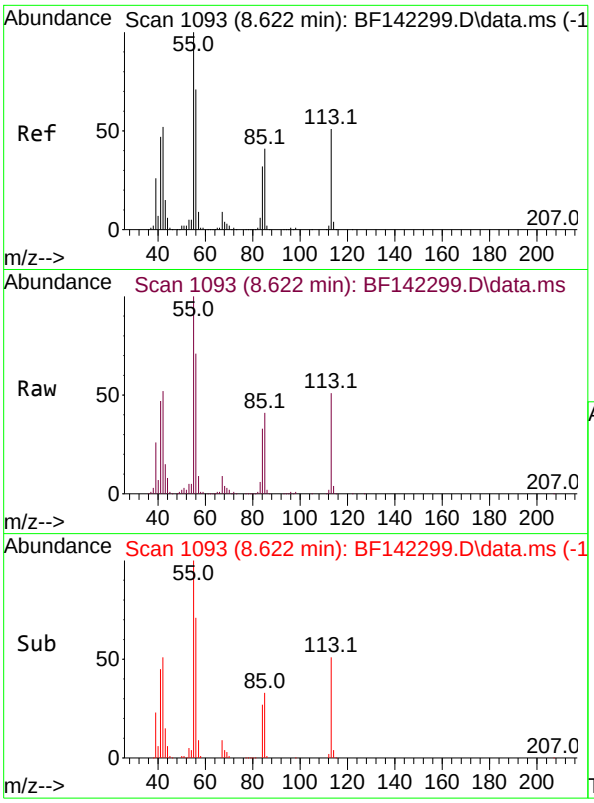


#34
Hexachlorobutadiene
Concen: 37.888 ng
RT: 8.328 min Scan# 1043
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:225 Resp: 282333

Ion	Ratio	Lower	Upper
225	100		
223	62.2	49.8	74.6
227	63.6	50.9	76.3

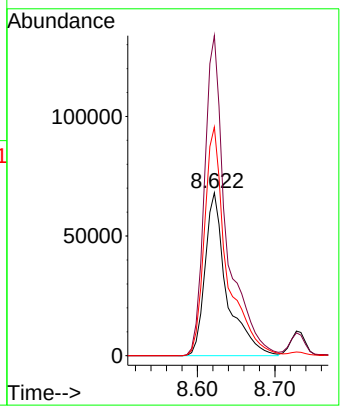




#35
Caprolactam
Concen: 40.850 ng
RT: 8.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:113 Resp: 13284

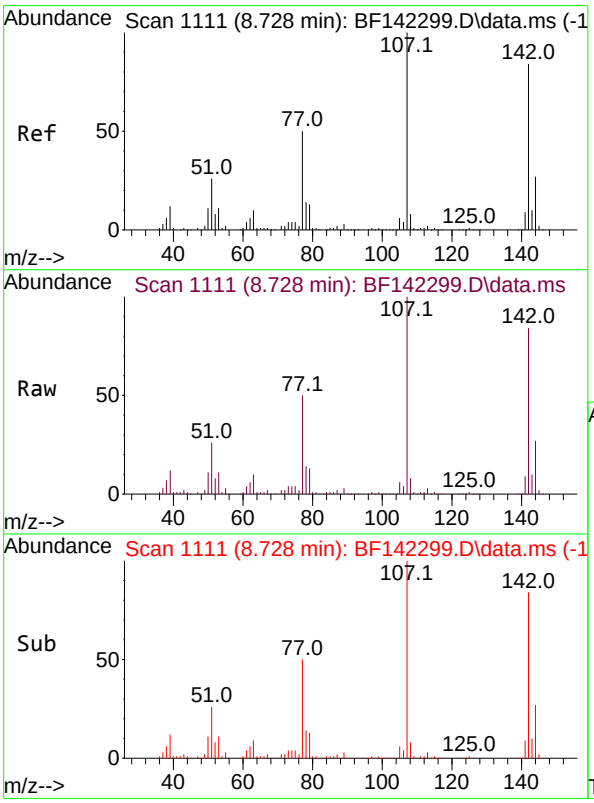
Ion	Ratio	Lower	Upper
113	100		
55	196.4	176.4	216.4
56	140.3	120.3	160.3



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

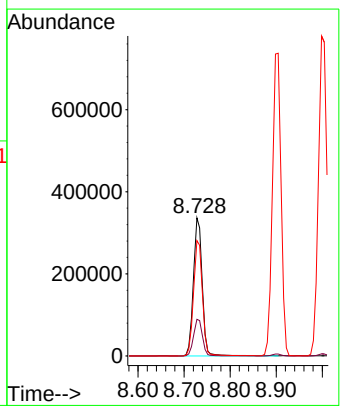
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

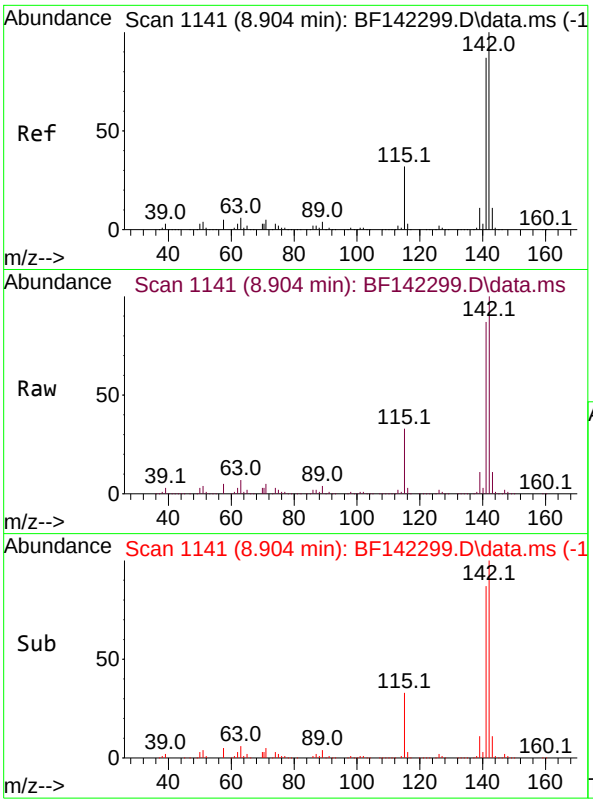


#36
4-Chloro-3-methylphenol
Concen: 38.475 ng
RT: 8.728 min Scan# 1111
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:107 Resp: 447226

Ion	Ratio	Lower	Upper
107	100		
144	26.6	21.3	31.9
142	83.6	66.9	100.3

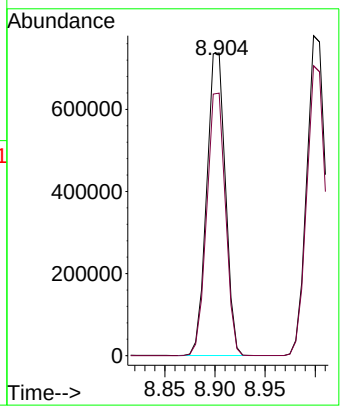




#37
2-Methylnaphthalene
Concen: 37.768 ng
RT: 8.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:142 Resp: 95830

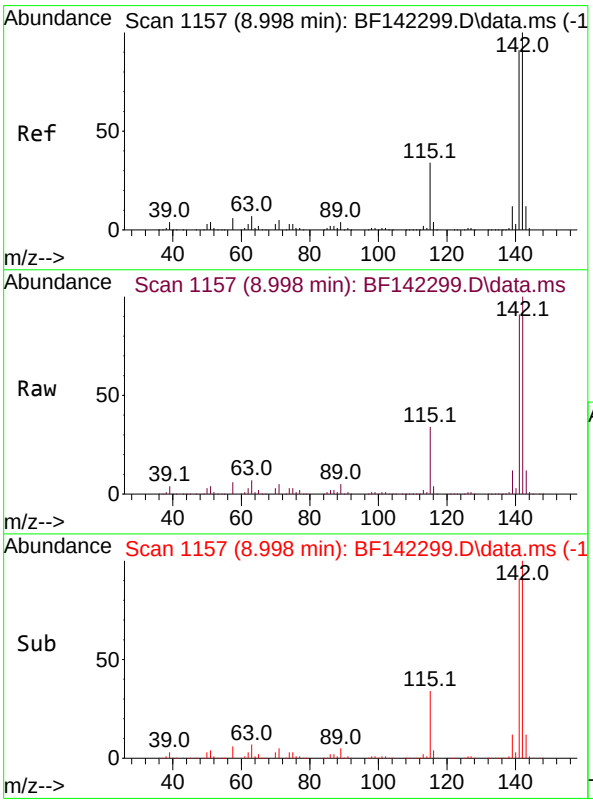
Ion	Ratio	Lower	Upper
142	100		
141	86.8	69.4	104.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

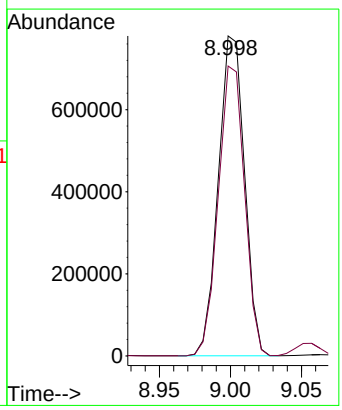
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

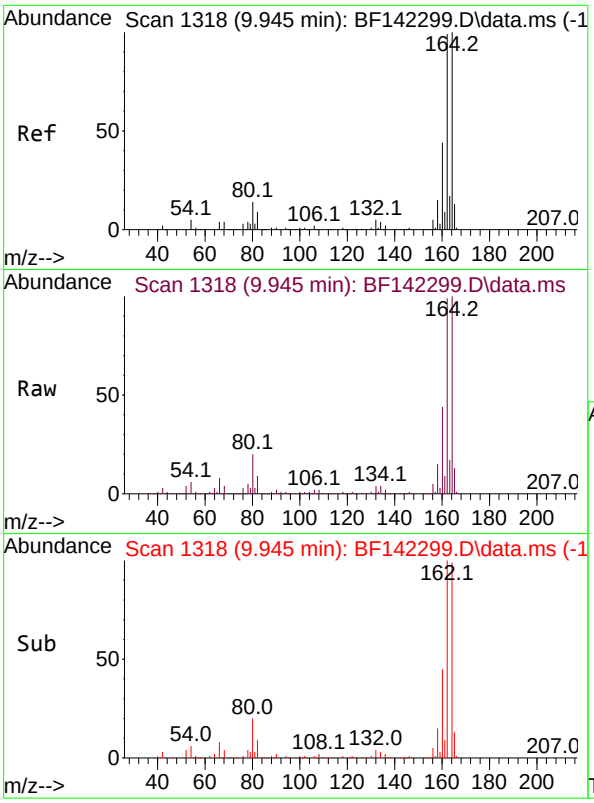


#38
1-Methylnaphthalene
Concen: 37.821 ng
RT: 8.998 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:142 Resp: 1000206

Ion	Ratio	Lower	Upper
142	100		
141	90.6	72.5	108.7

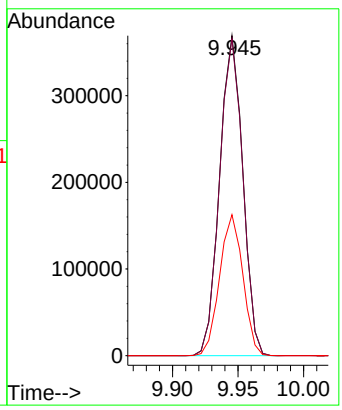




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:164 Resp: 45382

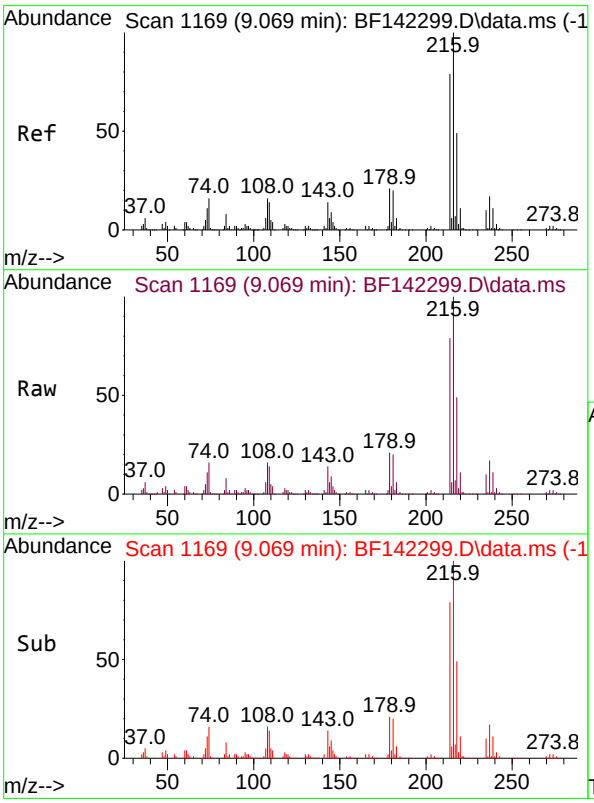
Ion	Ratio	Lower	Upper
164	100		
162	99.0	79.2	118.8
160	44.1	35.3	52.9



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

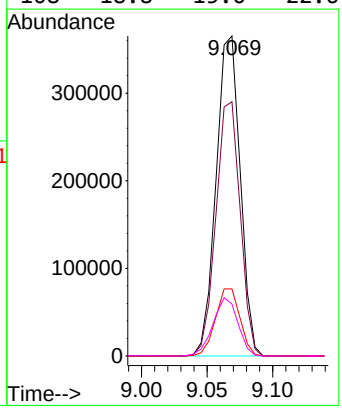
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

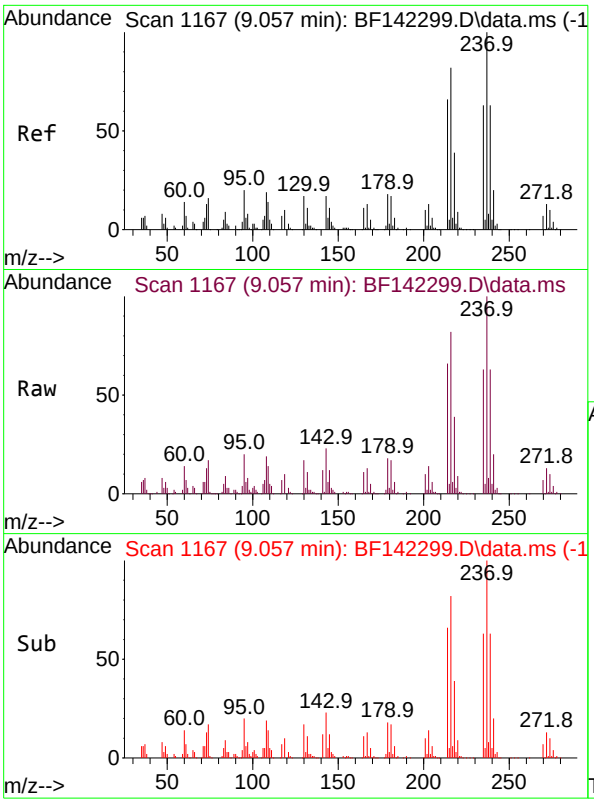


#40
1,2,4,5-Tetrachlorobenzene
Concen: 36.869 ng
RT: 9.069 min Scan# 1169
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:216 Resp: 467314

Ion	Ratio	Lower	Upper
216	100		
214	79.7	63.8	95.6
179	21.3	17.0	25.6
108	18.8	15.0	22.6

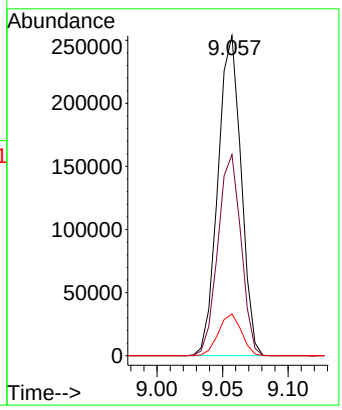




#41
Hexachlorocyclopentadiene
Concen: 39.785 ng
RT: 9.057 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:237 Resp: 31164

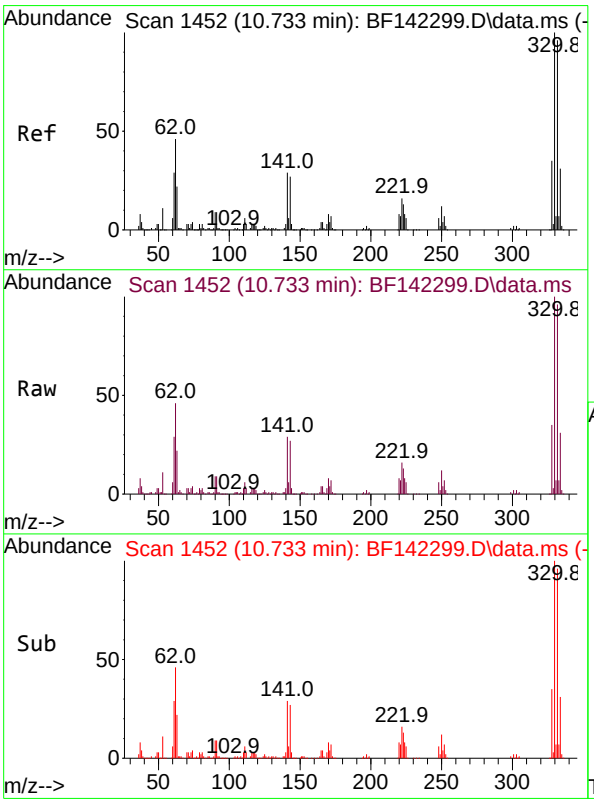
Ion	Ratio	Lower	Upper
237	100		
235	62.8	42.8	82.8
272	13.0	0.0	33.0



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

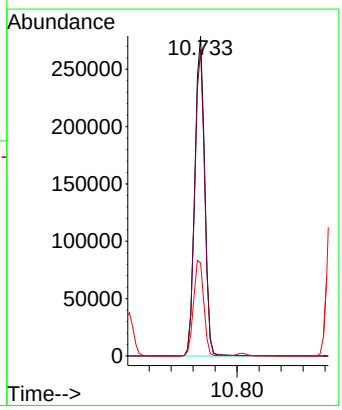
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

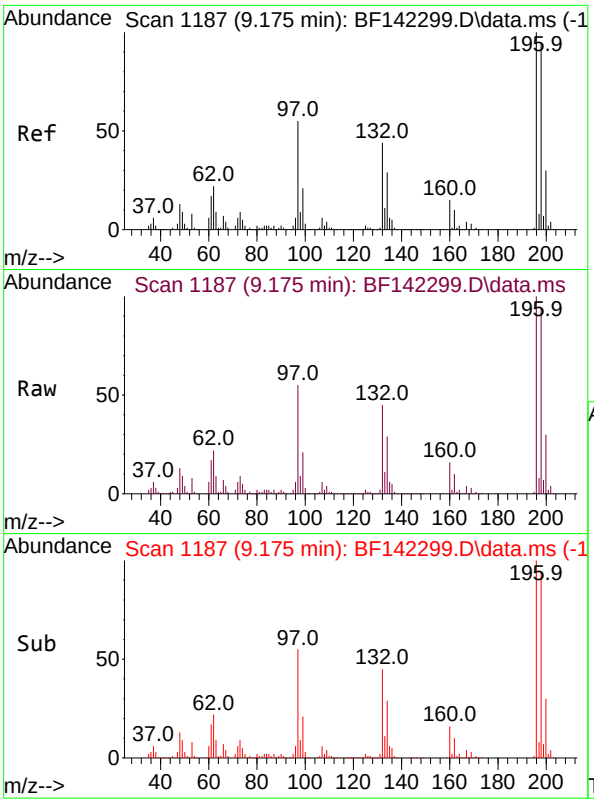


#42
2,4,6-Tribromophenol
Concen: 79.275 ng
RT: 10.733 min Scan# 1452
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:330 Resp: 347351

Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.8	115.2
141	31.1	24.9	37.3

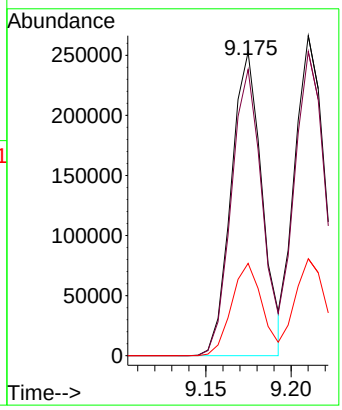




#43
2,4,6-Trichlorophenol
Concen: 39.883 ng
RT: 9.175 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:196 Resp: 31886

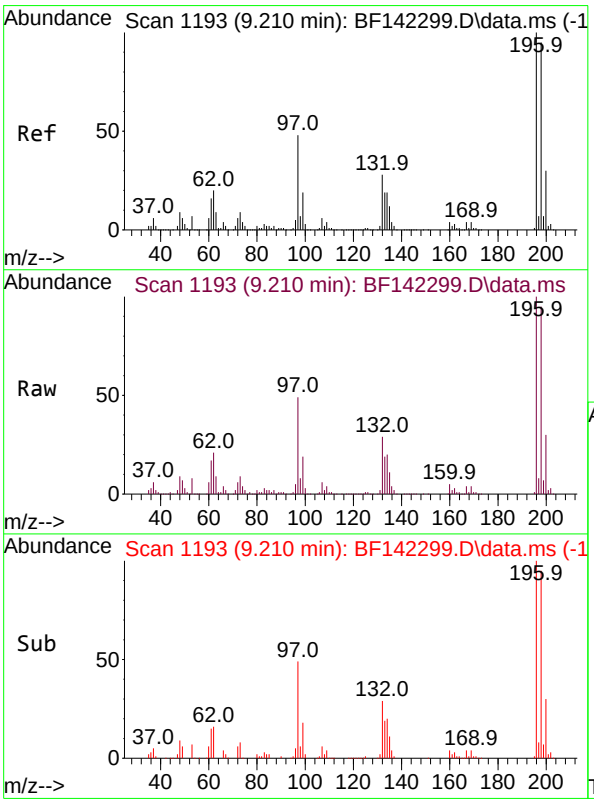
Ion	Ratio	Lower	Upper
196	100		
198	94.2	75.4	113.0
200	30.4	24.3	36.5



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

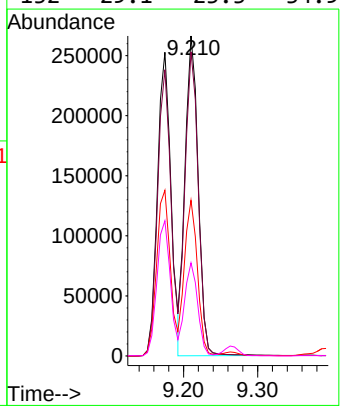
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

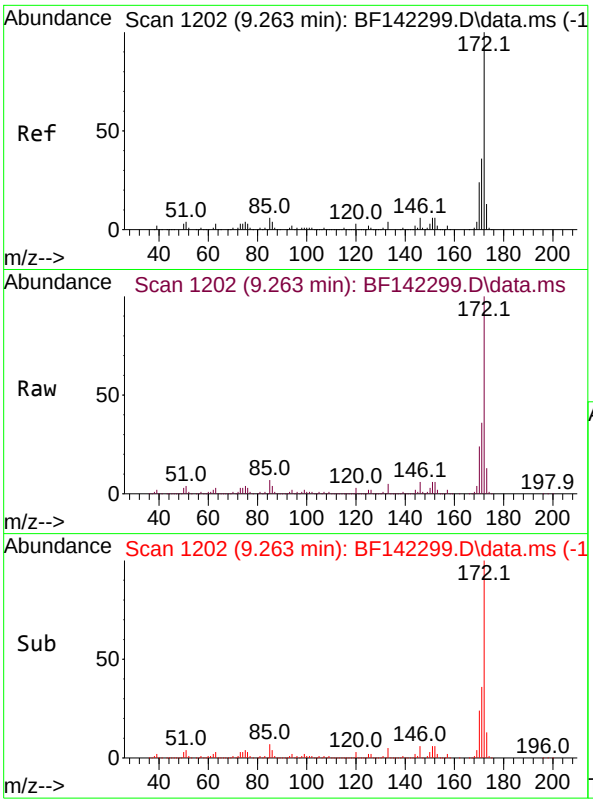


#44
2,4,5-Trichlorophenol
Concen: 38.680 ng
RT: 9.210 min Scan# 1193
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:196 Resp: 329034

Ion	Ratio	Lower	Upper
196	100		
198	95.1	76.1	114.1
97	48.7	39.0	58.4
132	29.1	23.3	34.9

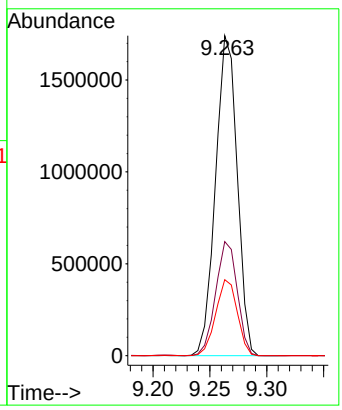




#45
2-Fluorobiphenyl
Concen: 72.545 ng
RT: 9.263 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:172 Resp: 230895

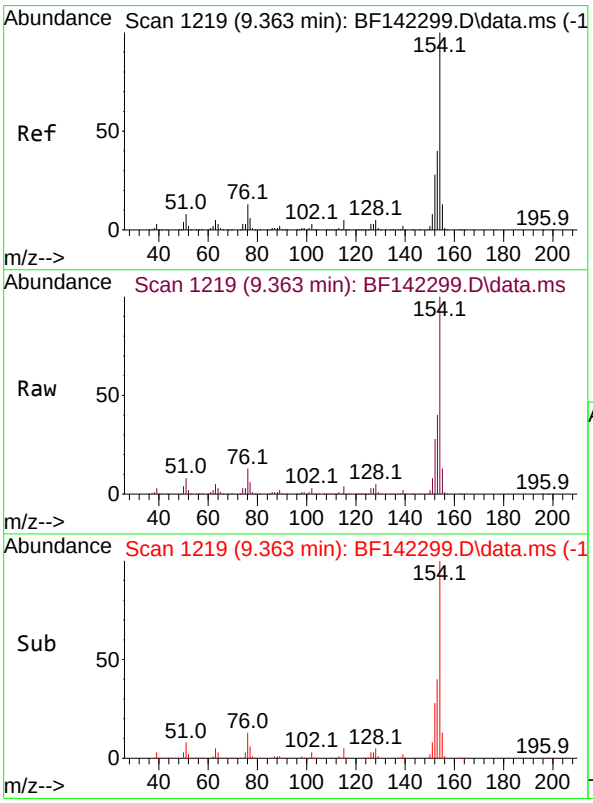
Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	42.8
170	23.7	19.0	28.4



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

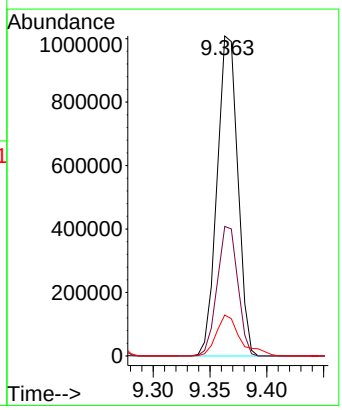
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

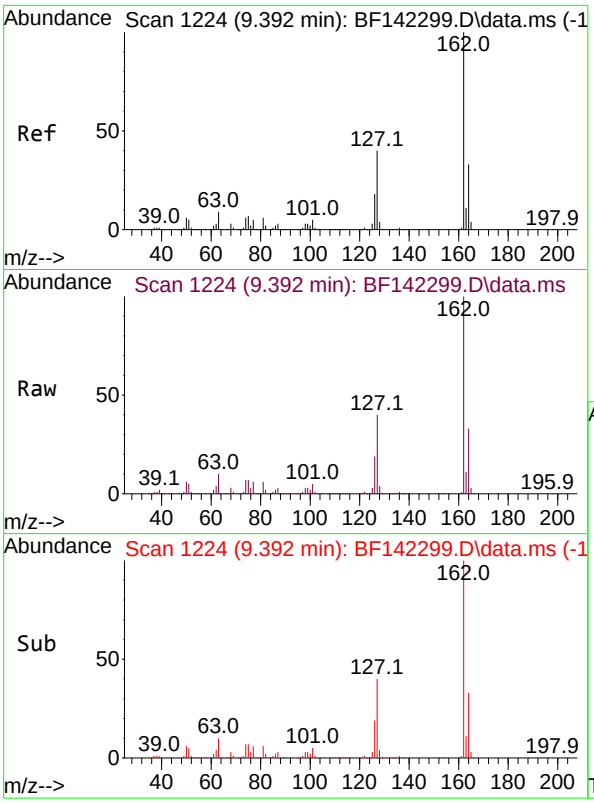


#46
1,1'-Biphenyl
Concen: 36.811 ng
RT: 9.363 min Scan# 1219
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:154 Resp: 1280889

Ion	Ratio	Lower	Upper
154	100		
153	40.5	20.5	60.5
76	12.8	0.0	32.8

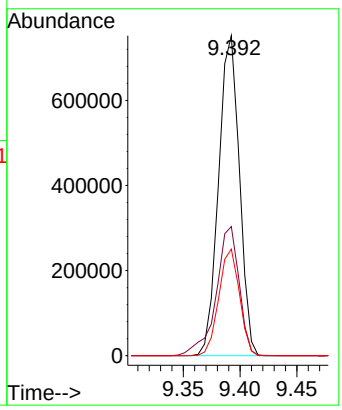




#47
2-Chloronaphthalene
Concen: 37.093 ng
RT: 9.392 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:162 Resp: 95988

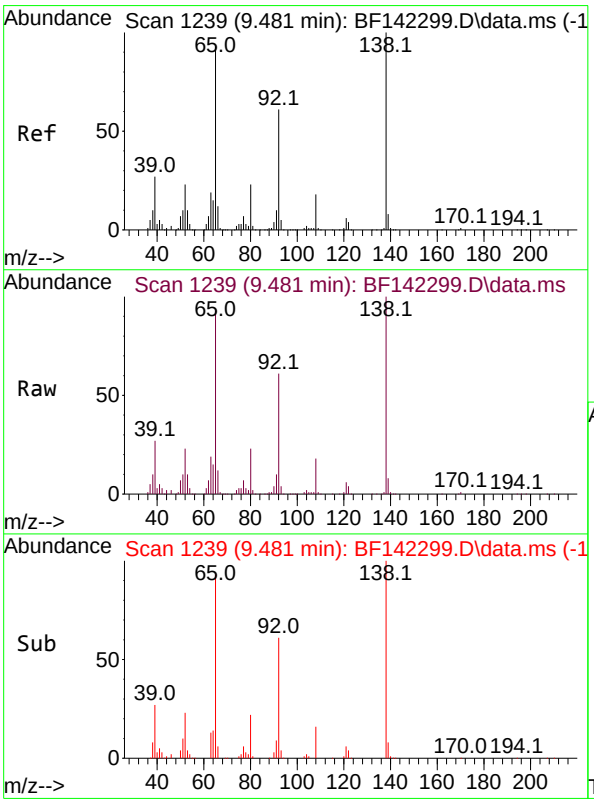
Ion	Ratio	Lower	Upper
162	100		
127	40.4	32.3	48.5
164	33.3	26.6	40.0



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

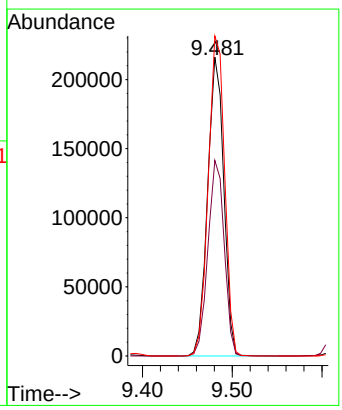
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

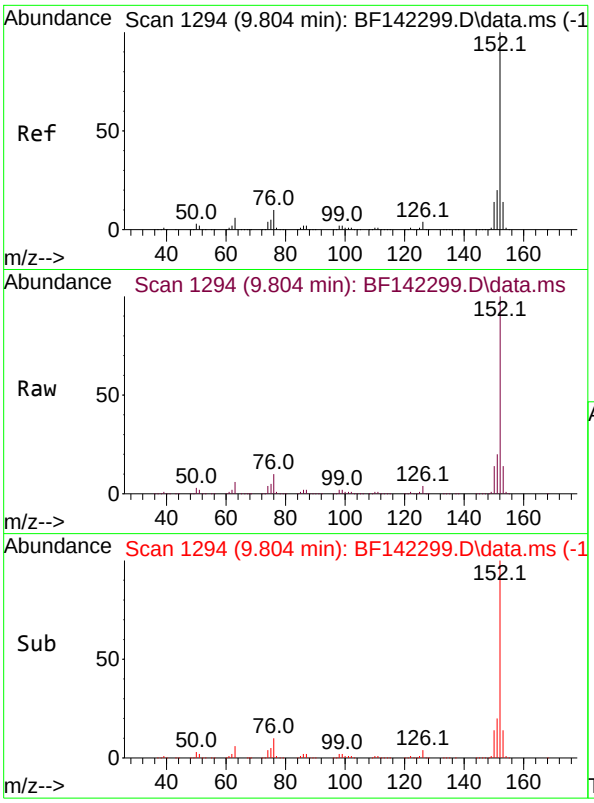


#48
2-Nitroaniline
Concen: 40.808 ng
RT: 9.481 min Scan# 1239
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion: 65 Resp: 270673

Ion	Ratio	Lower	Upper
65	100		
92	65.4	52.3	78.5
138	107.0	85.6	128.4

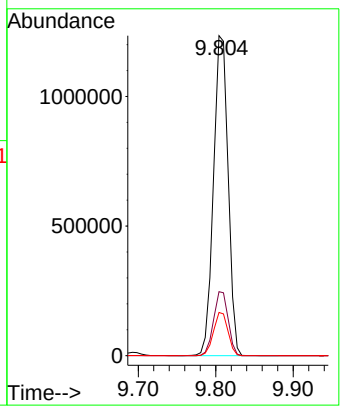




#49
Acenaphthylene
Concen: 37.378 ng
RT: 9.804 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:152 Resp: 161806

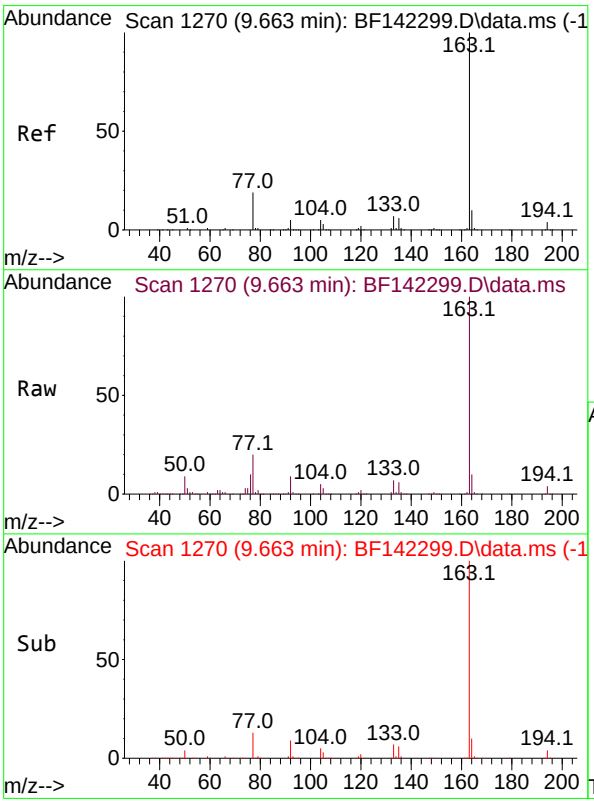
Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.0	24.0
153	13.5	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

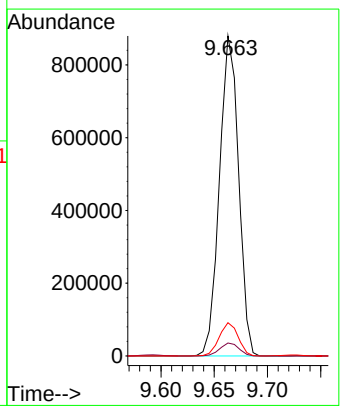
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

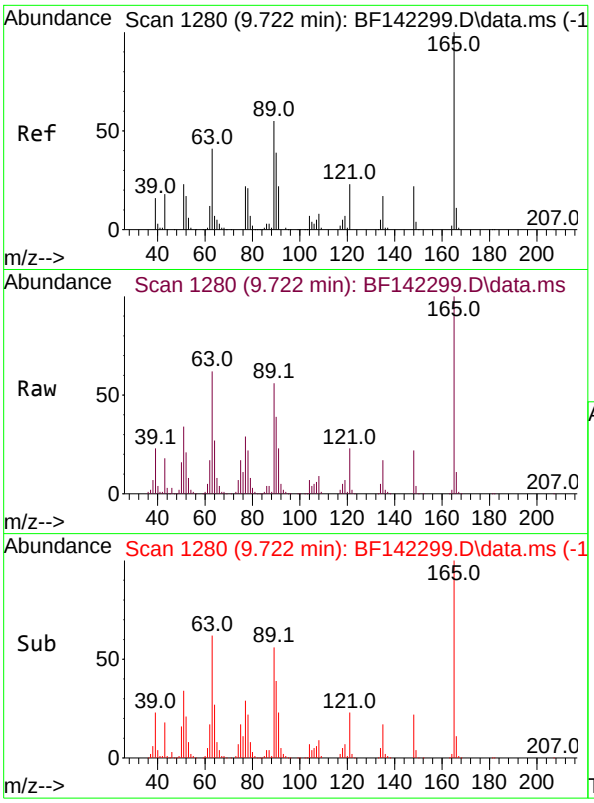


#50
Dimethylphthalate
Concen: 37.675 ng
RT: 9.663 min Scan# 1270
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:163 Resp: 1097900

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.2	4.8
164	10.4	8.3	12.5

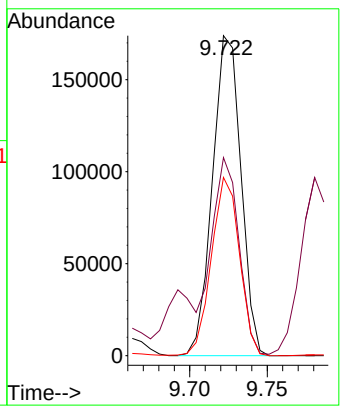




#51
2,6-Dinitrotoluene
Concen: 40.792 ng
RT: 9.722 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:165 Resp: 22250

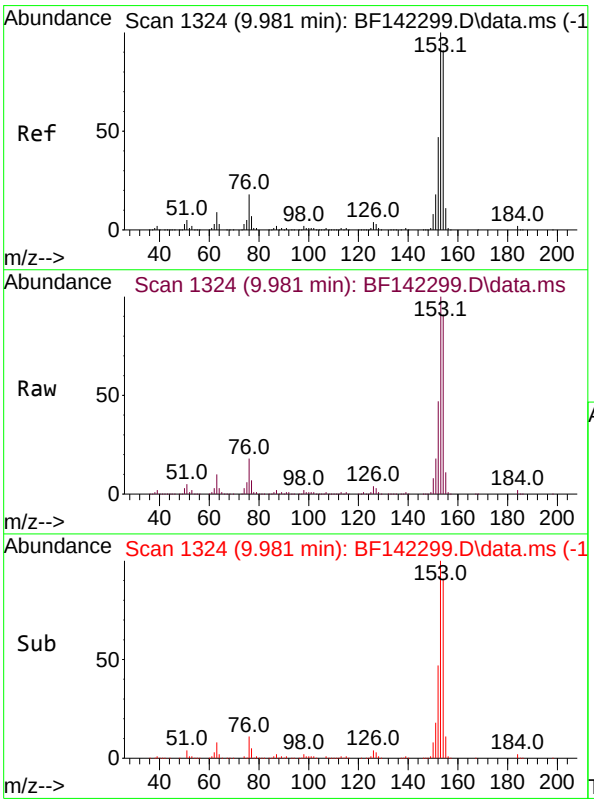
Ion	Ratio	Lower	Upper
165	100		
63	61.9	49.5	74.3
89	55.7	44.6	66.8



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

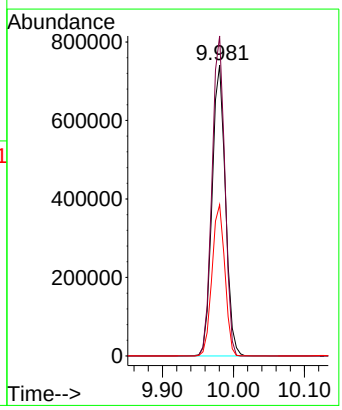
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

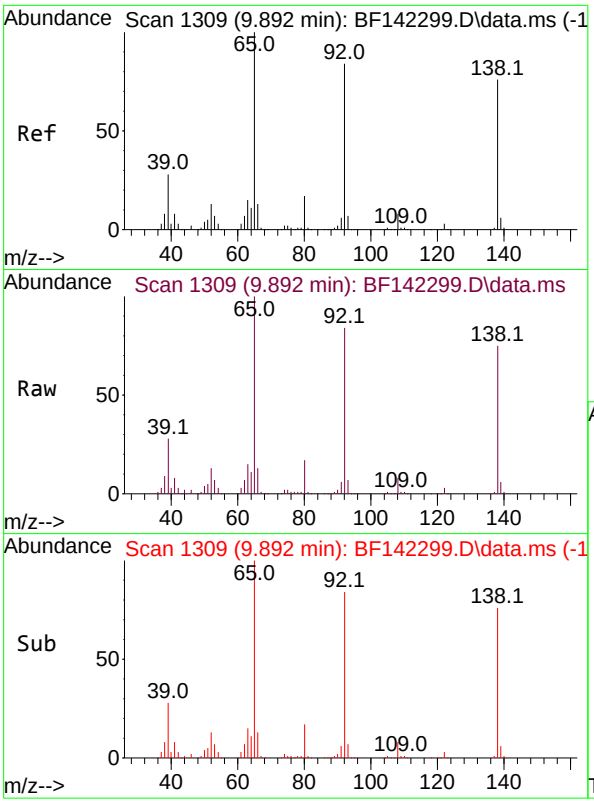


#52
Acenaphthene
Concen: 37.171 ng
RT: 9.981 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:154 Resp: 967532

Ion	Ratio	Lower	Upper
154	100		
153	110.0	88.0	132.0
152	52.0	41.6	62.4

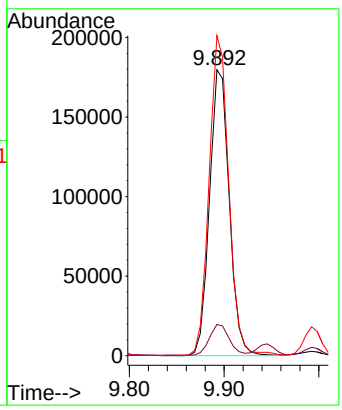




#53
3-Nitroaniline
Concen: 40.600 ng
RT: 9.892 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:138 Resp: 25973

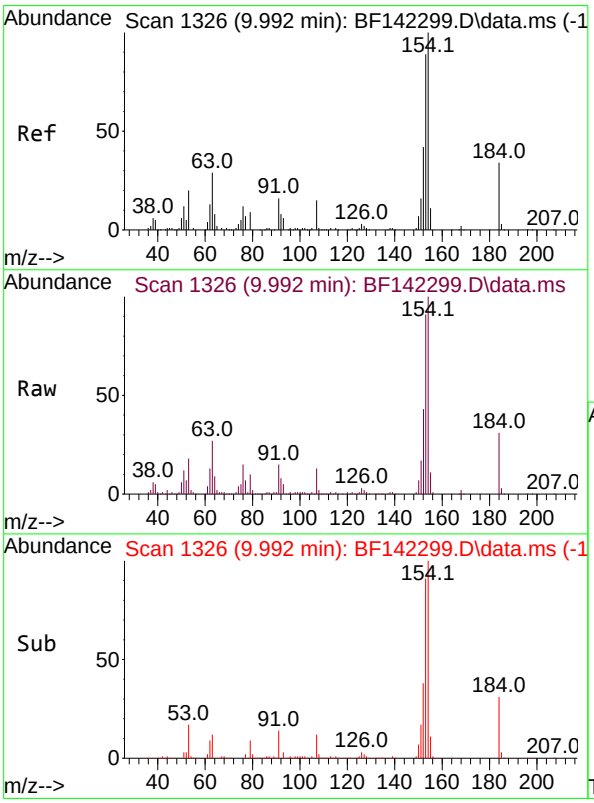
Ion	Ratio	Lower	Upper
138	100		
108	10.9	8.7	13.1
92	111.9	89.5	134.3



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

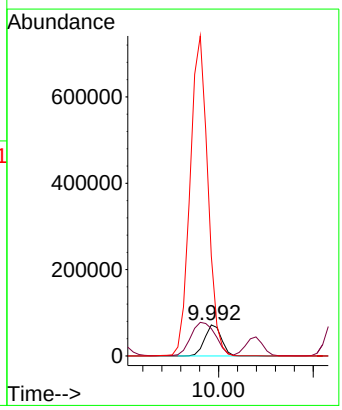
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

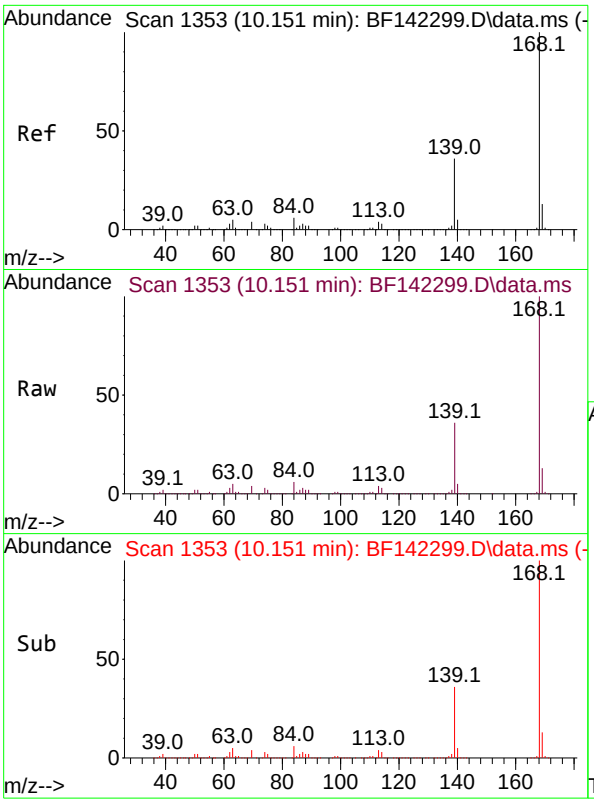


#54
2,4-Dinitrophenol
Concen: 35.617 ng
RT: 9.992 min Scan# 1326
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:184 Resp: 88227

Ion	Ratio	Lower	Upper
184	100		
63	88.2	70.6	105.8
154	321.5	257.2	385.8

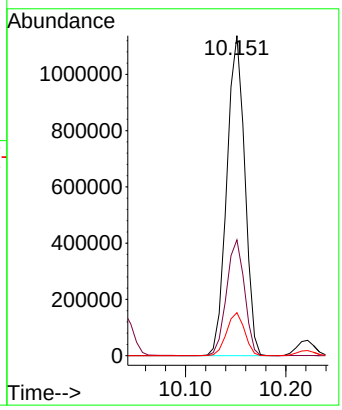




#55
Dibenzofuran
Concen: 36.745 ng
RT: 10.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:168 Resp: 141151

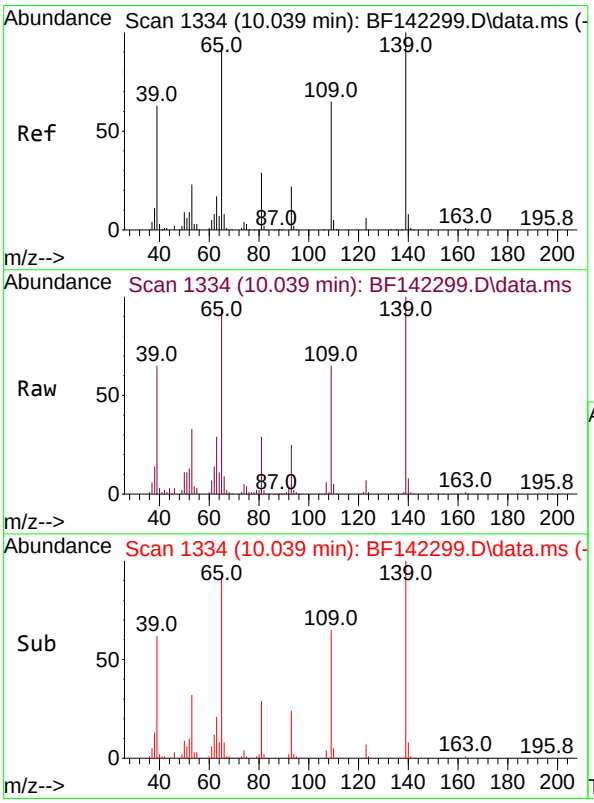
Ion	Ratio	Lower	Upper
168	100		
139	36.2	29.0	43.4
169	13.4	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

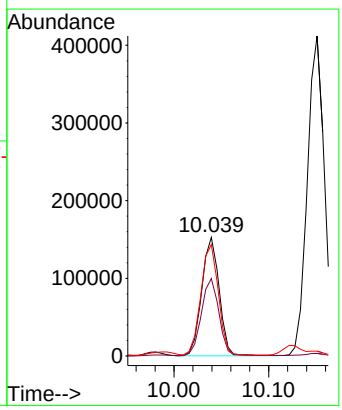
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

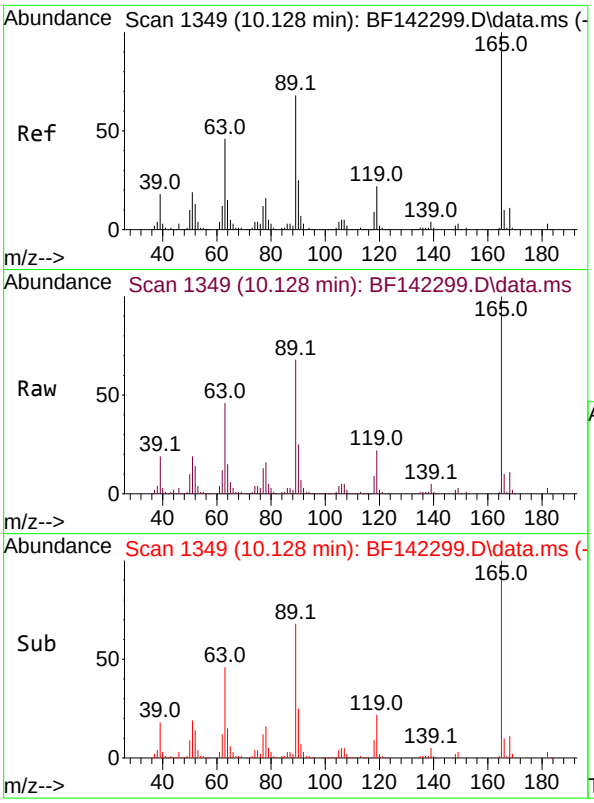


#56
4-Nitrophenol
Concen: 40.380 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:139 Resp: 194419

Ion	Ratio	Lower	Upper
139	100		
109	65.3	45.3	85.3
65	93.9	73.9	113.9

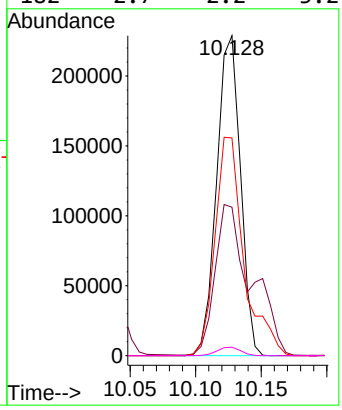




#57
2,4-Dinitrotoluene
Concen: 41.281 ng
RT: 10.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:165 Resp: 28883

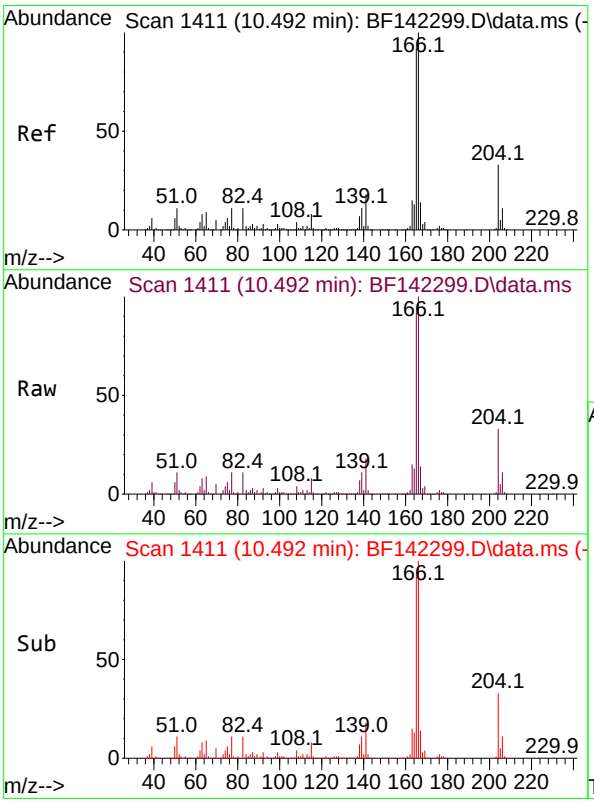
Ion	Ratio	Lower	Upper
165	100		
63	46.4	37.1	55.7
89	68.0	54.4	81.6
182	2.7	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

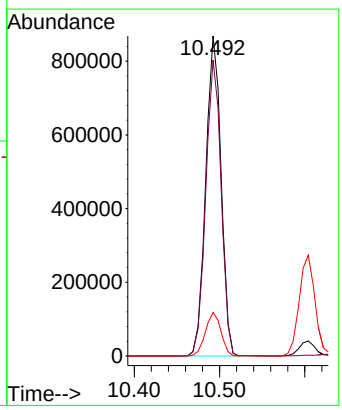
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

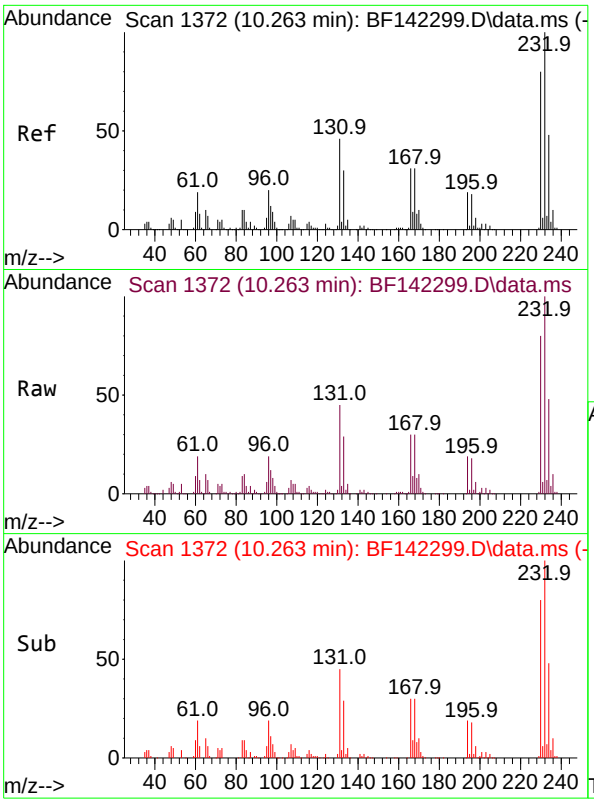


#58
Fluorene
Concen: 36.984 ng
RT: 10.492 min Scan# 1411
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:166 Resp: 1084214

Ion	Ratio	Lower	Upper
166	100		
165	92.5	74.0	111.0
167	13.6	10.9	16.3

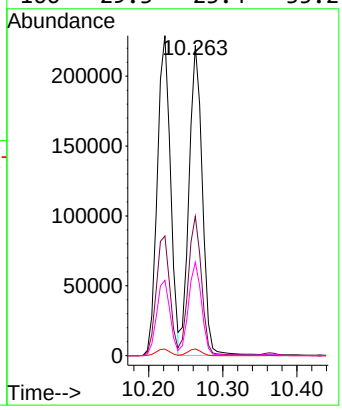




#59
2,3,4,6-Tetrachlorophenol
Concen: 39.451 ng
RT: 10.263 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:232 Resp: 27704

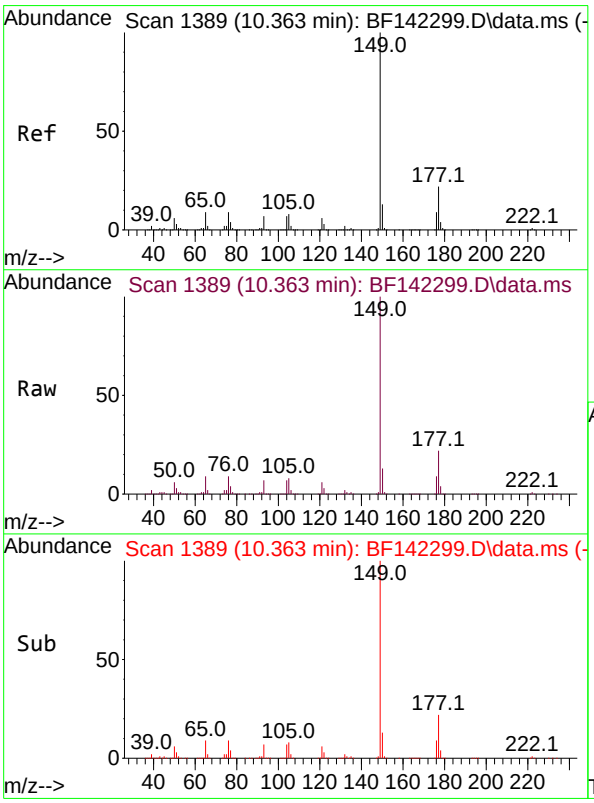
Ion	Ratio	Lower	Upper
232	100		
131	45.0	36.0	54.0
130	2.2	1.8	2.6
166	29.3	23.4	35.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

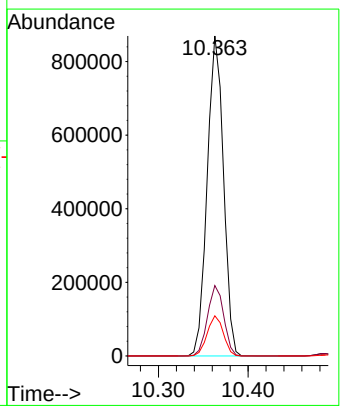
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

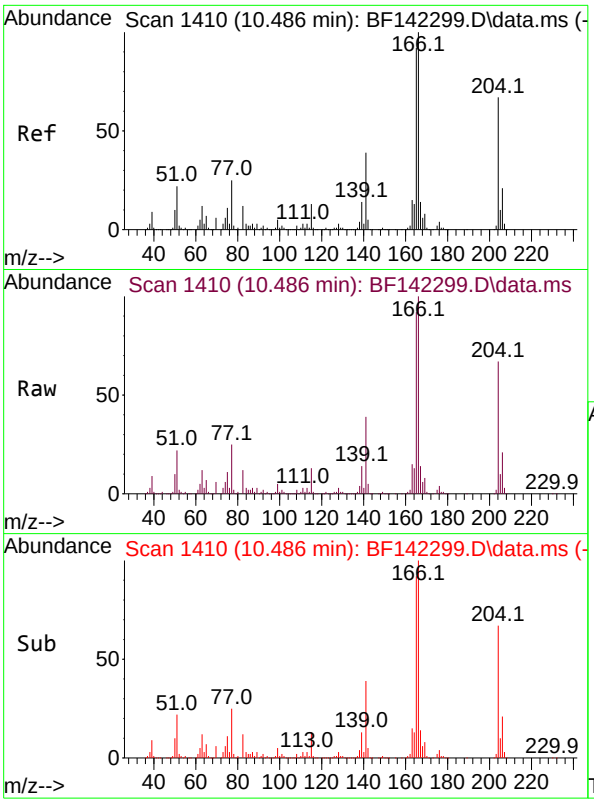


#60
Diethylphthalate
Concen: 37.640 ng
RT: 10.363 min Scan# 1389
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:149 Resp: 1095399

Ion	Ratio	Lower	Upper
149	100		
177	22.0	17.6	26.4
150	12.6	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 37.028 ng
RT: 10.486 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

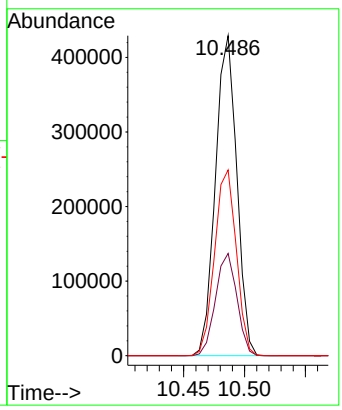
Tgt Ion:204 Resp: 52371

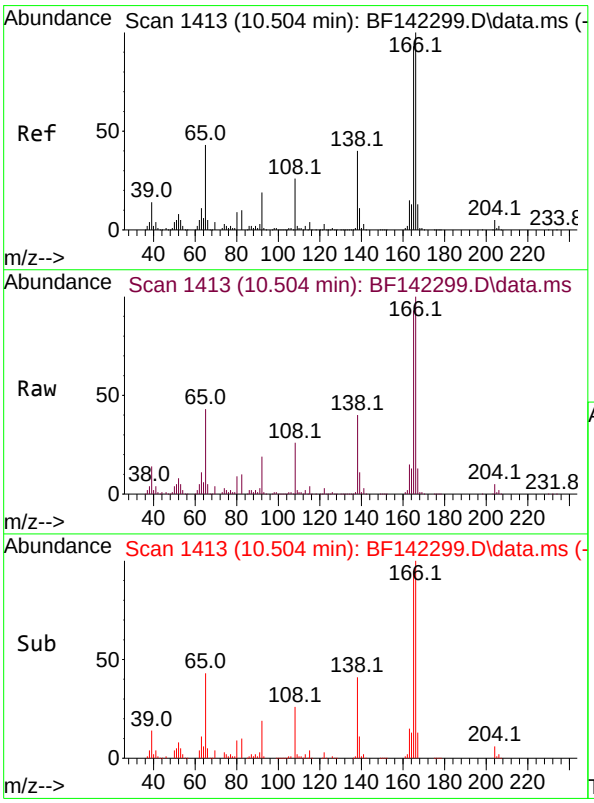
Ion	Ratio	Lower	Upper
204	100		
206	31.9	25.5	38.3
141	58.0	46.4	69.6

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

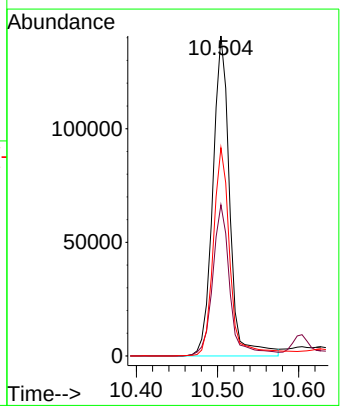


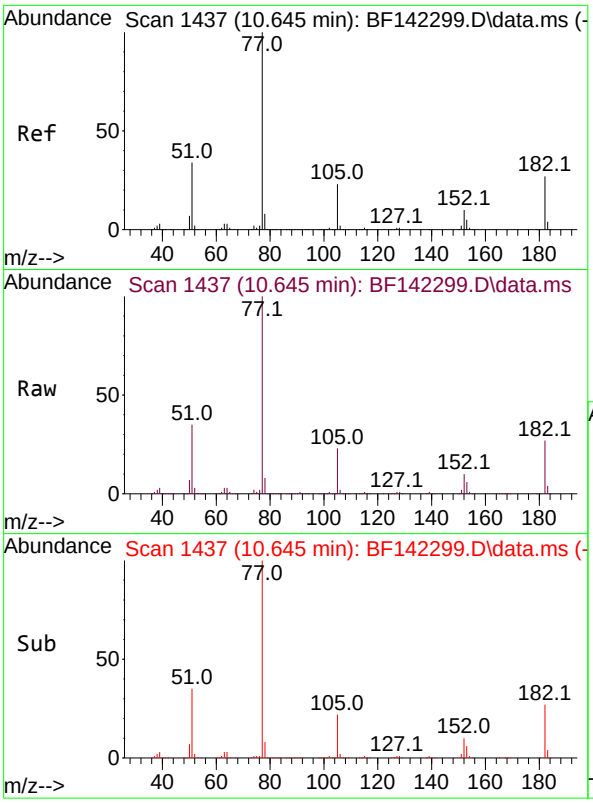


#62
4-Nitroaniline
Concen: 40.198 ng
RT: 10.504 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:138 Resp: 203816

Ion	Ratio	Lower	Upper
138	100		
92	47.3	27.3	67.3
108	65.1	45.1	85.1

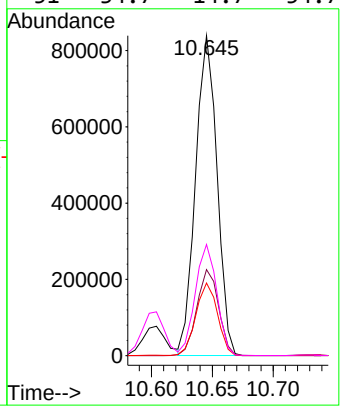




#63
Azobenzene
Concen: 36.938 ng
RT: 10.645 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion: 77 Resp: 102722

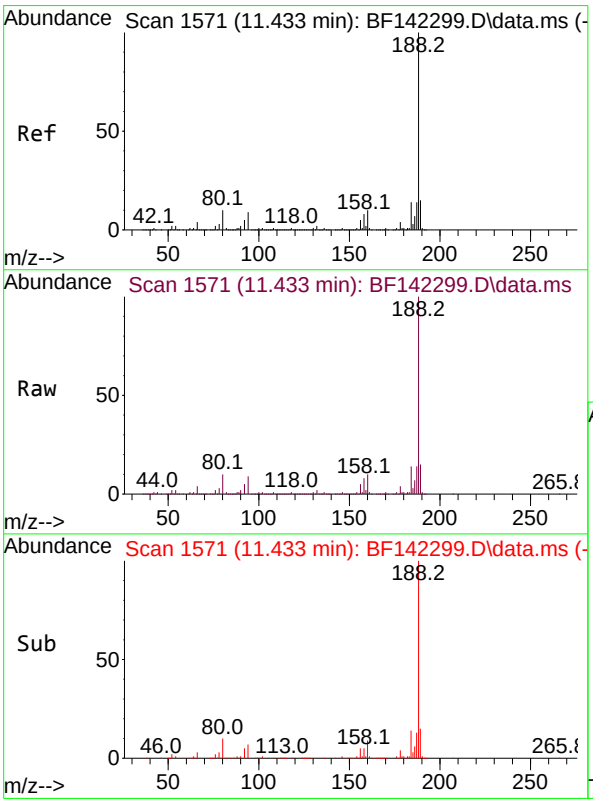
Ion	Ratio	Lower	Upper
77	100		
182	26.9	6.9	46.9
105	22.7	2.7	42.7
51	34.7	14.7	54.7



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

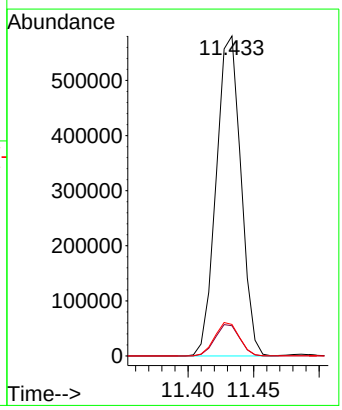
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

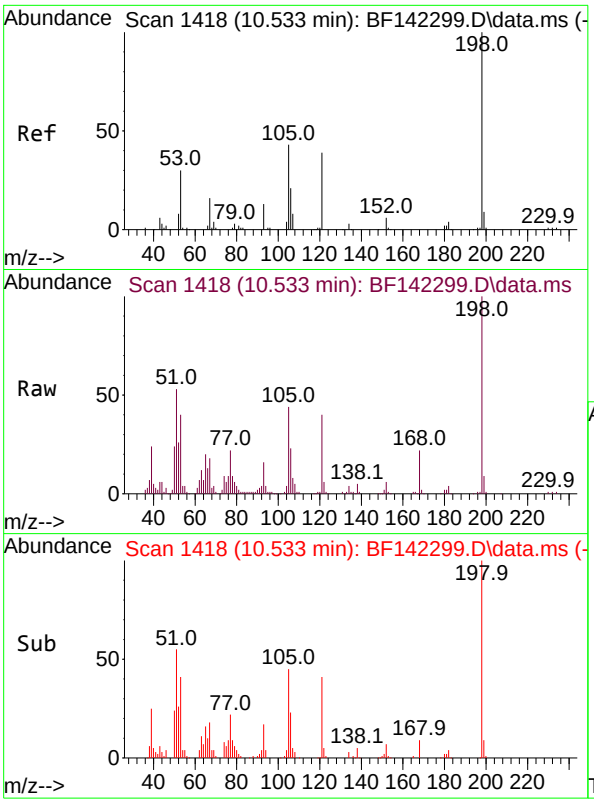


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1571
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:188 Resp: 760936

Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.5	11.3
80	9.9	7.9	11.9





#65
4,6-Dinitro-2-methylphenol
Concen: 36.690 ng
RT: 10.533 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

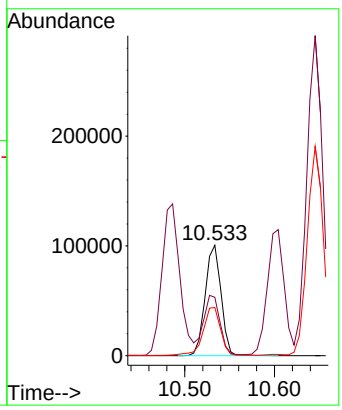
Tgt Ion:198 Resp: 12307

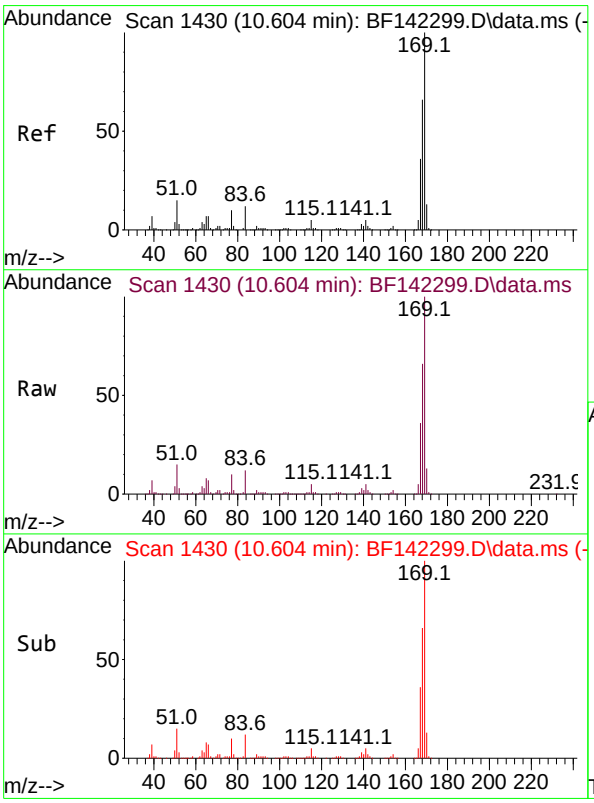
Ion	Ratio	Lower	Upper
198	100		
51	52.9	32.9	72.9
105	43.7	23.7	63.7

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

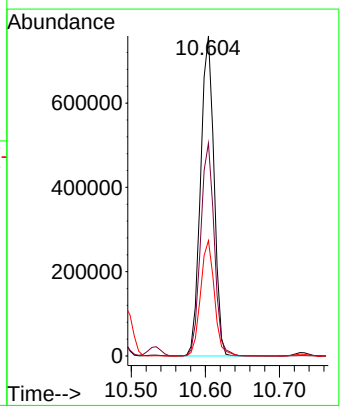


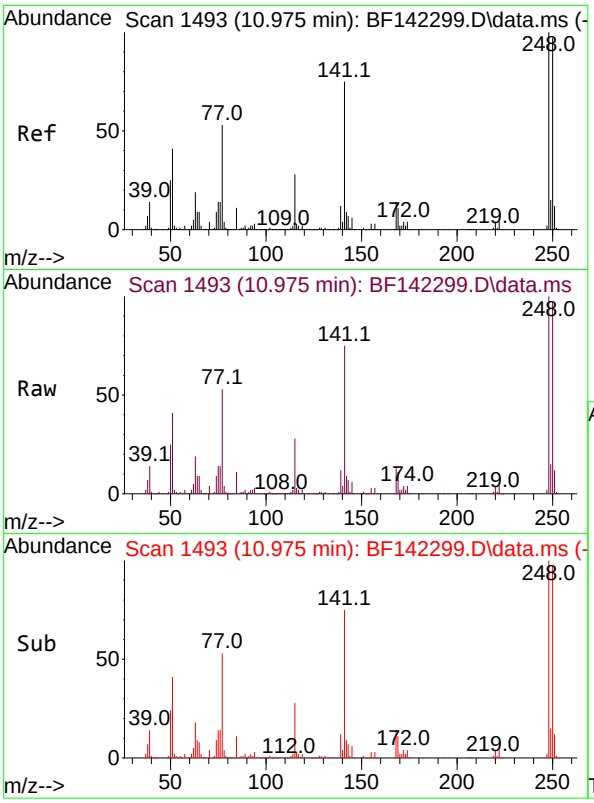


#66
n-Nitrosodiphenylamine
Concen: 37.816 ng
RT: 10.604 min Scan# 1430
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:169 Resp: 957534

Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.2	79.8
167	36.1	28.9	43.3





#67
4-Bromophenyl-phenylether
Concen: 38.106 ng
RT: 10.975 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

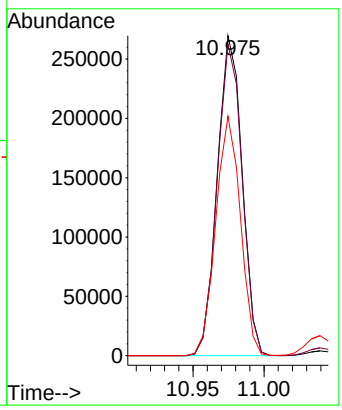
Tgt Ion:248 Resp: 32862

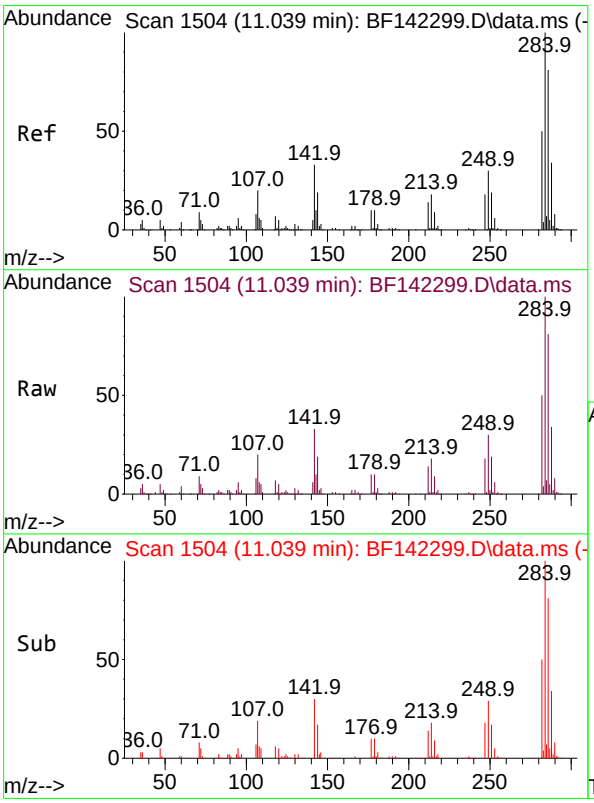
Ion	Ratio	Lower	Upper
248	100		
250	97.4	77.9	116.9
141	74.8	59.8	89.8

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

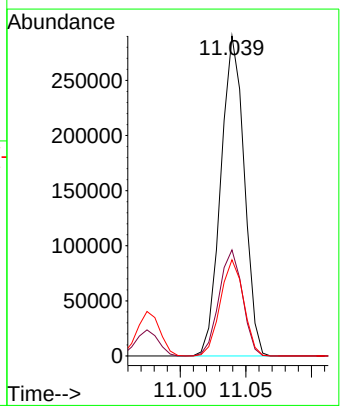


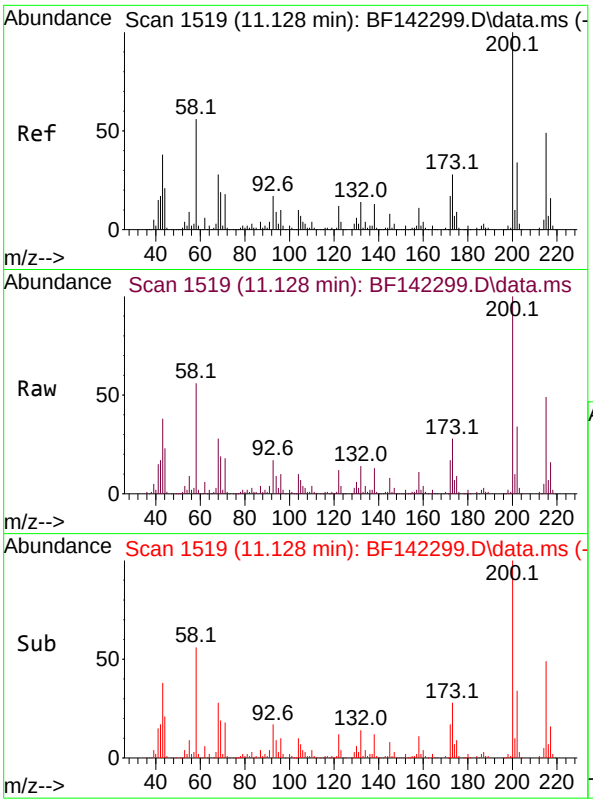


#68
Hexachlorobenzene
Concen: 38.046 ng
RT: 11.039 min Scan# 1504
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:284 Resp: 360906

Ion	Ratio	Lower	Upper
284	100		
142	33.2	26.6	39.8
249	30.1	24.1	36.1

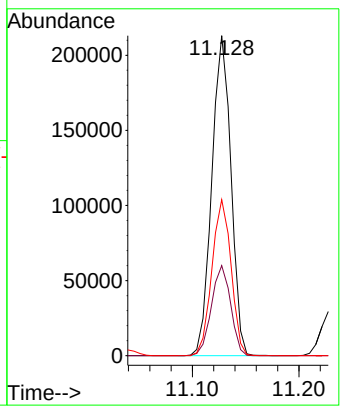




#69
Atrazine
Concen: 39.786 ng
RT: 11.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:200 Resp: 26555

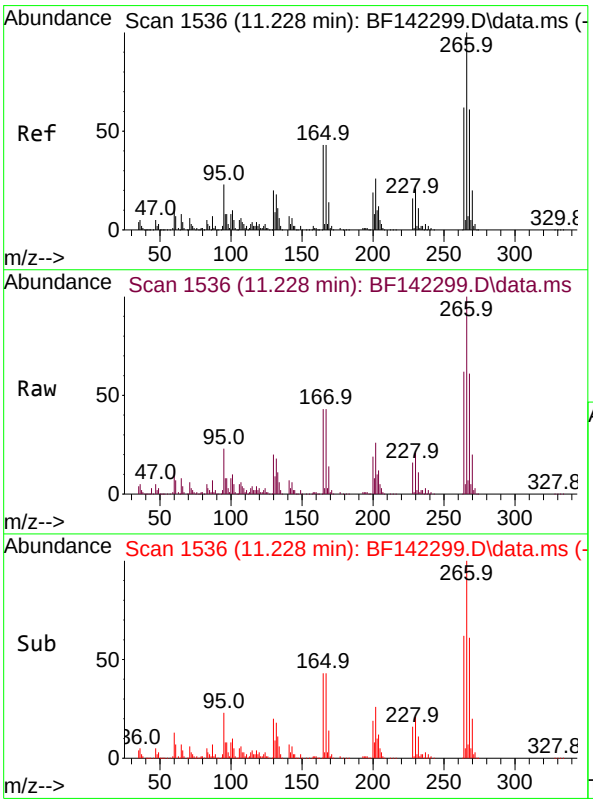
Ion	Ratio	Lower	Upper
200	100		
173	28.1	8.1	48.1
215	48.8	28.8	68.8



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

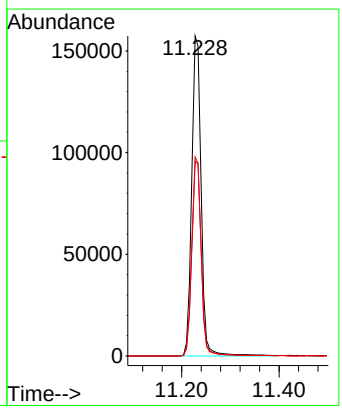
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

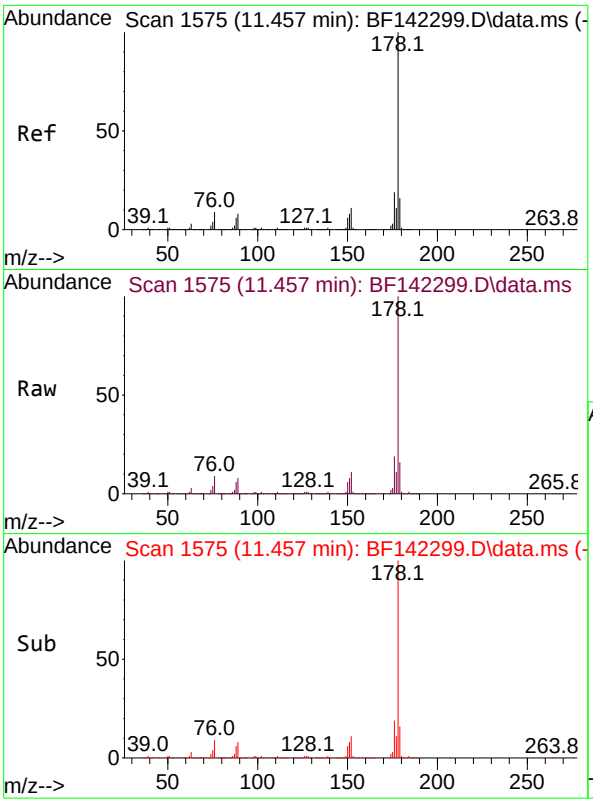


#70
Pentachlorophenol
Concen: 42.334 ng
RT: 11.228 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:266 Resp: 211262

Ion	Ratio	Lower	Upper
266	100		
268	60.9	48.7	73.1
264	62.2	49.8	74.6

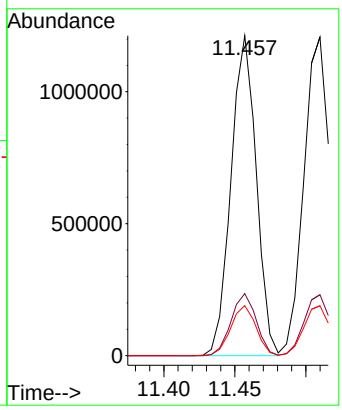




#71
Phenanthrene
Concen: 37.687 ng
RT: 11.457 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:178 Resp: 150319

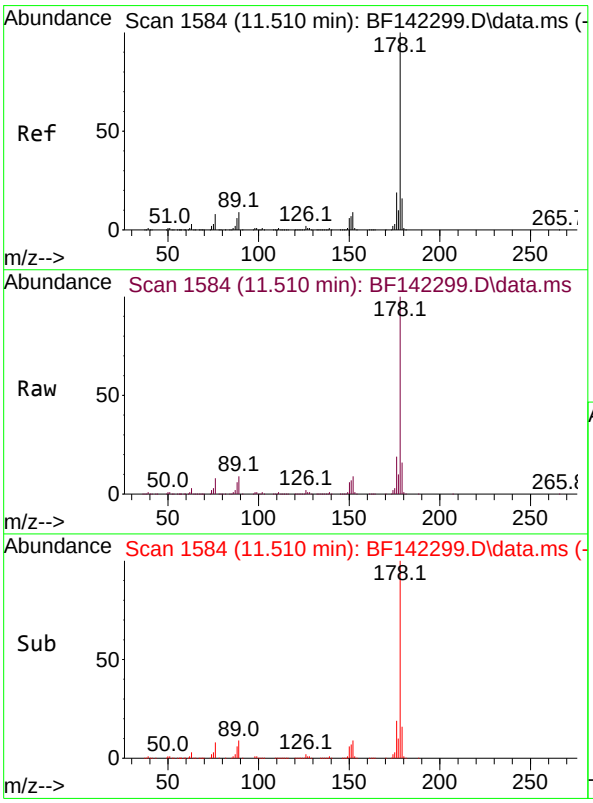
Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.5	23.3
179	15.7	12.6	18.8



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

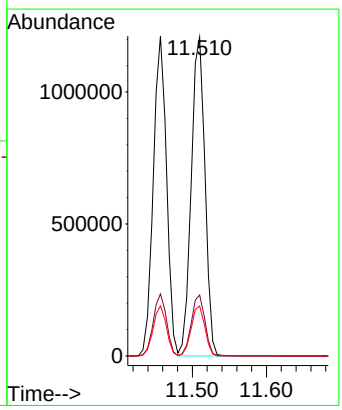
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

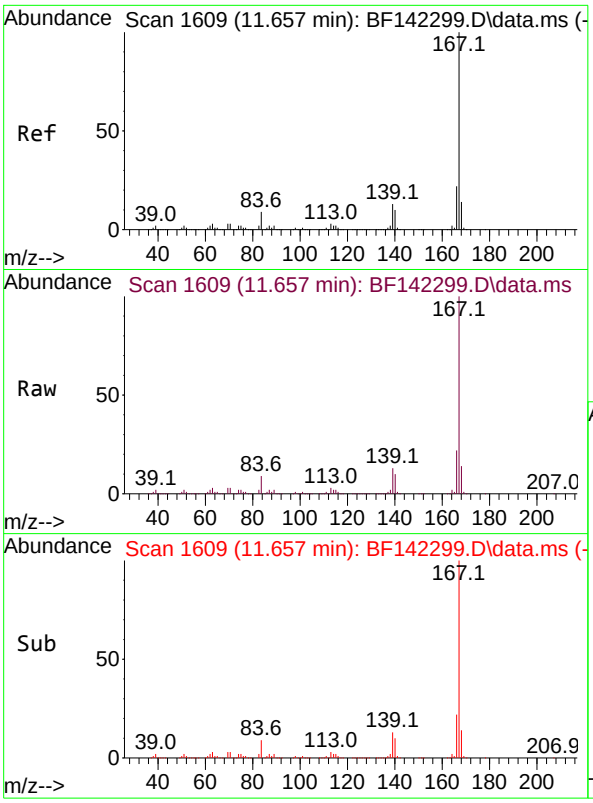


#72
Anthracene
Concen: 37.808 ng
RT: 11.510 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:178 Resp: 1549487

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.7	12.6	18.8

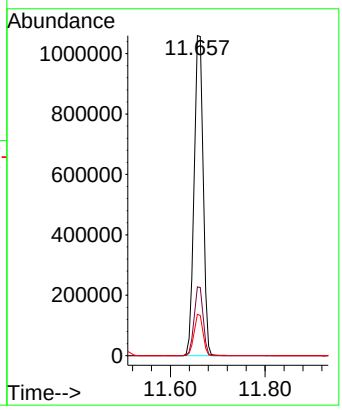




#73
Carbazole
Concen: 38.332 ng
RT: 11.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:167 Resp: 140940

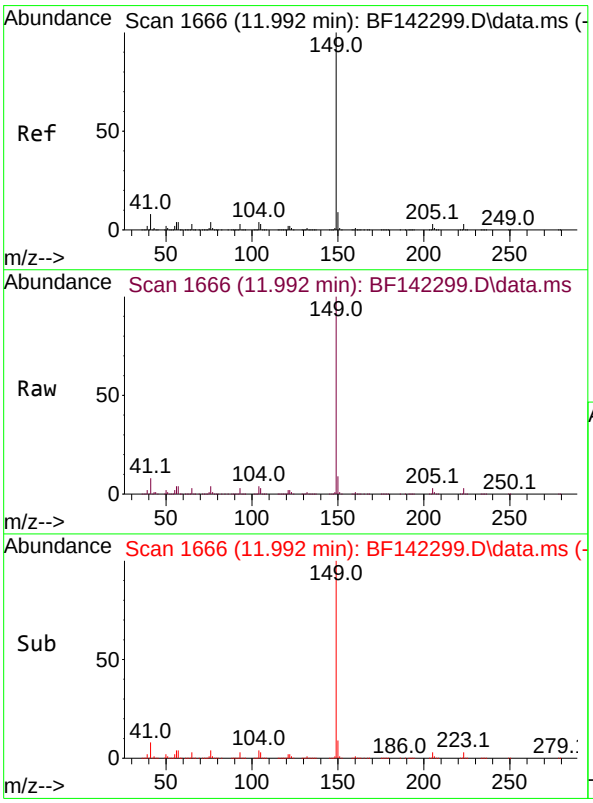
Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.2	25.8
139	12.9	10.3	15.5



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

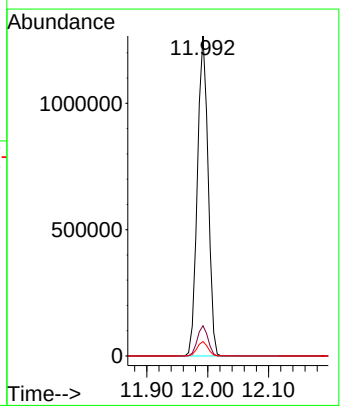
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

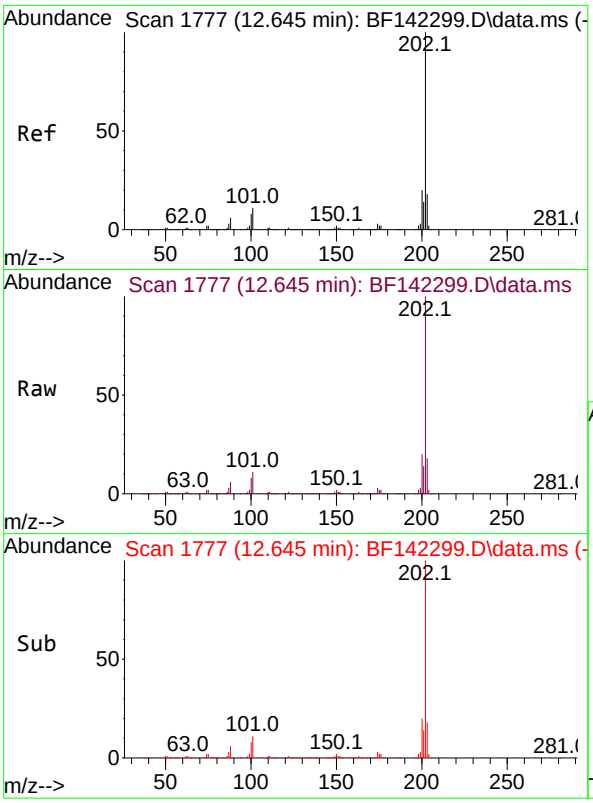


#74
Di-n-butylphthalate
Concen: 39.856 ng
RT: 11.992 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:149 Resp: 1540981

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	4.5	3.6	5.4

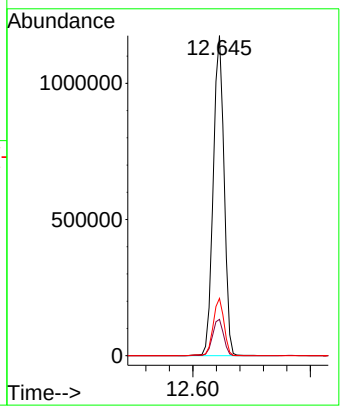




#75
Fluoranthene
Concen: 37.616 ng
RT: 12.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:202 Resp: 149980

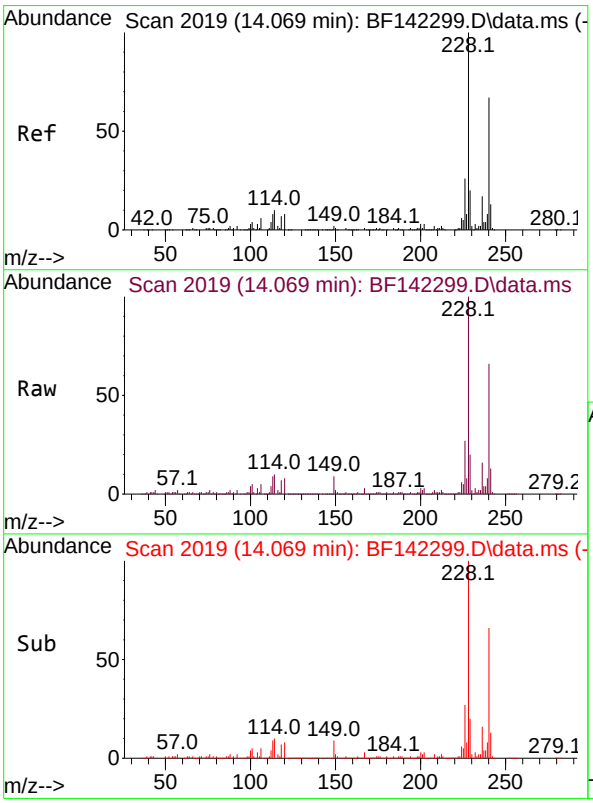
Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	31.4
203	17.9	0.0	37.9



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

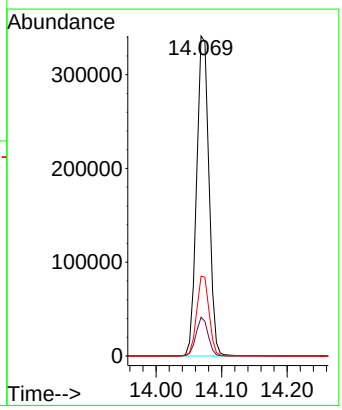
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

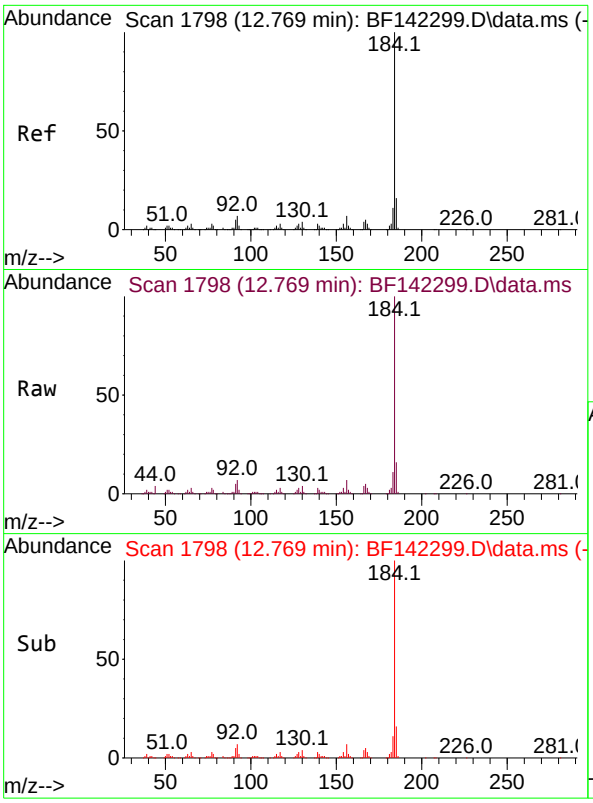


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:240 Resp: 448285

Ion	Ratio	Lower	Upper
240	100		
120	12.1	9.7	14.5
236	25.0	20.0	30.0

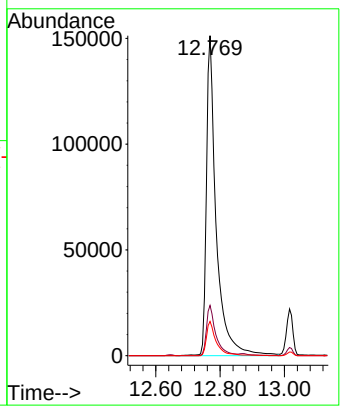




#77
Benzidine
Concen: 39.408 ng
RT: 12.769 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:184 Resp: 32104

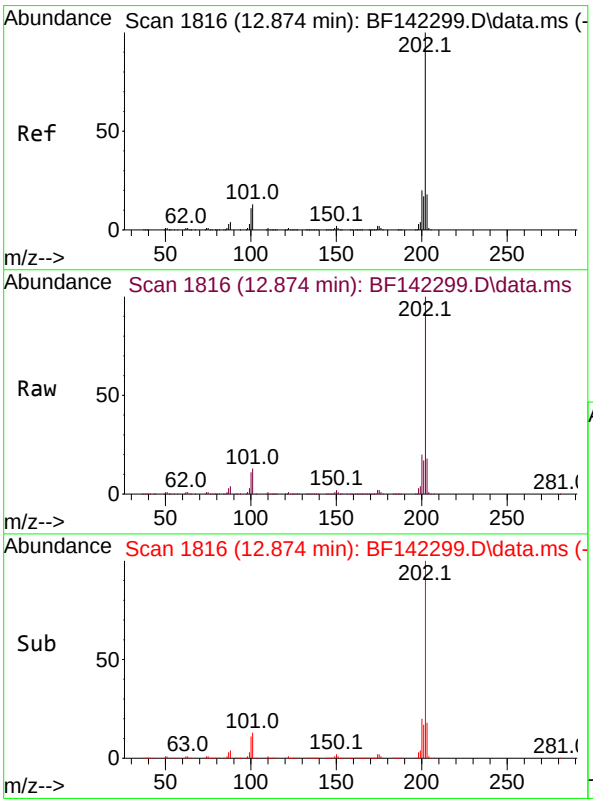
Ion	Ratio	Lower	Upper
184	100		
185	15.7	12.6	18.8
183	10.7	8.6	12.8



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

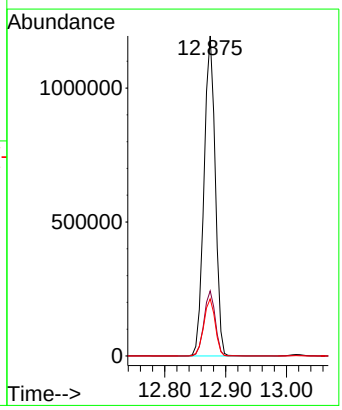
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

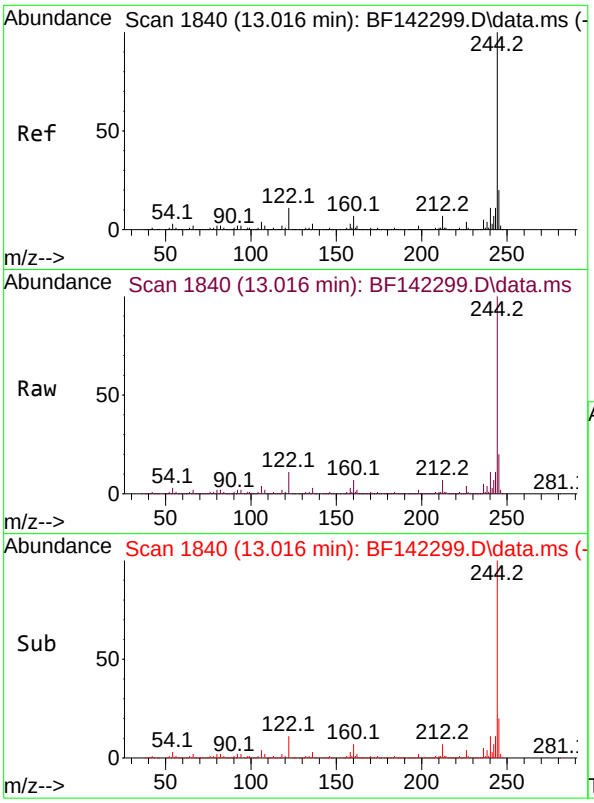


#78
Pyrene
Concen: 38.307 ng
RT: 12.874 min Scan# 1816
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:202 Resp: 1528516

Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.2	24.4
203	17.9	14.3	21.5

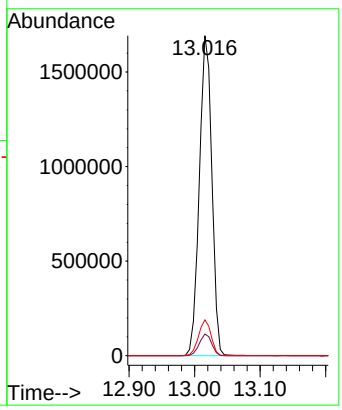




#79
Terphenyl-d14
Concen: 74.299 ng
RT: 13.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:244 Resp: 225033

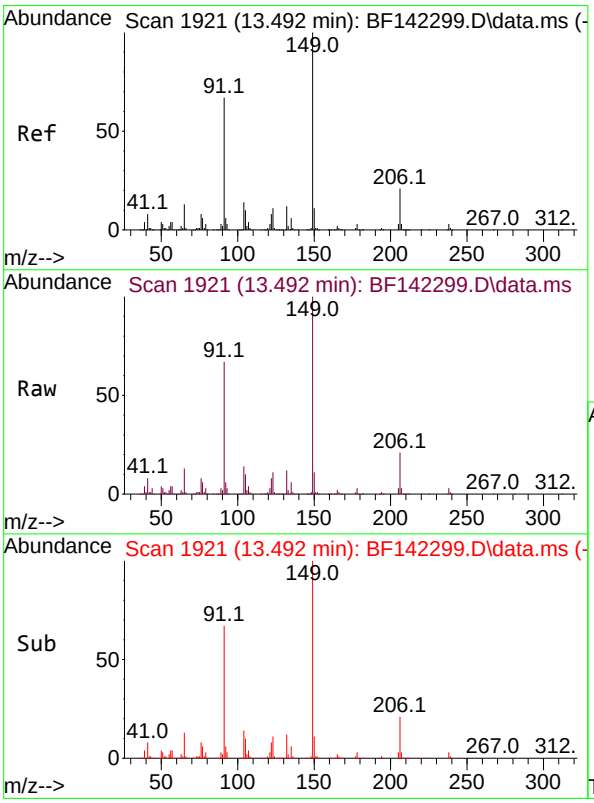
Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.2
122	11.2	9.0	13.4



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

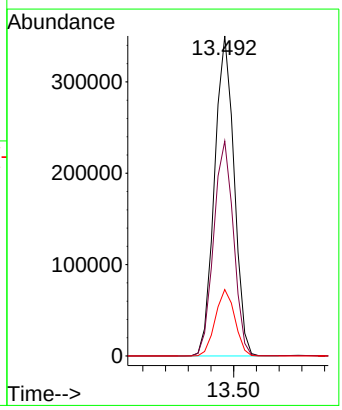
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

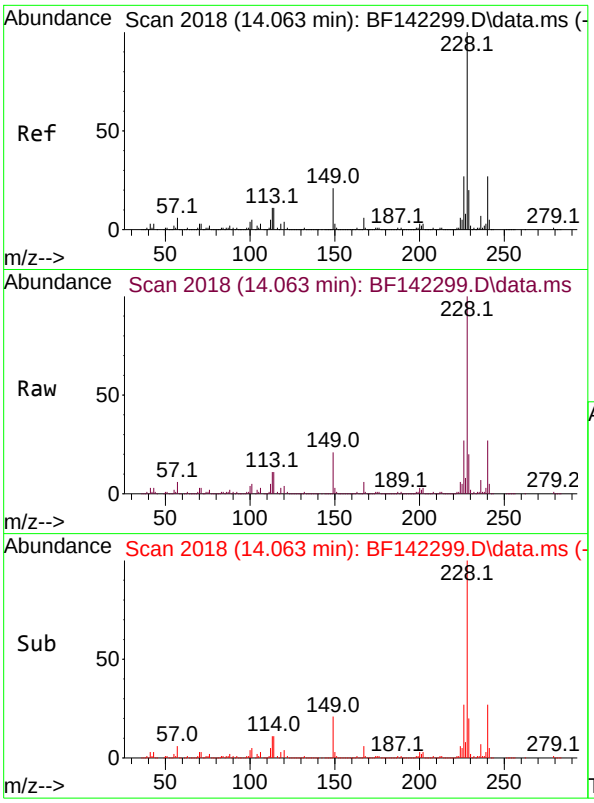


#80
Butylbenzylphthalate
Concen: 36.993 ng
RT: 13.492 min Scan# 1921
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:149 Resp: 420197

Ion	Ratio	Lower	Upper
149	100		
91	67.2	53.8	80.6
206	20.7	16.6	24.8

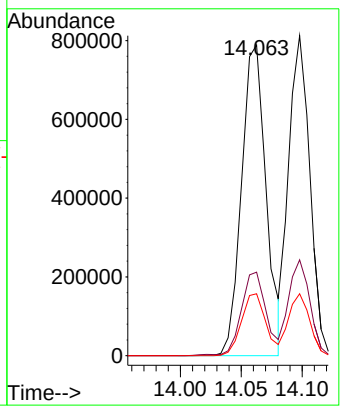




#81
Benzo(a)anthracene
Concen: 38.218 ng
RT: 14.063 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:228 Resp: 110951

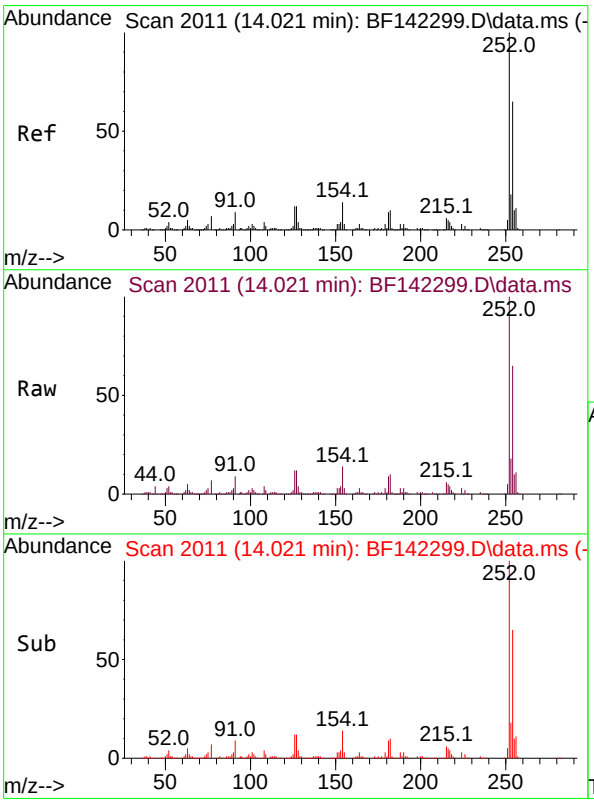
Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.5	32.3
229	19.9	15.9	23.9



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

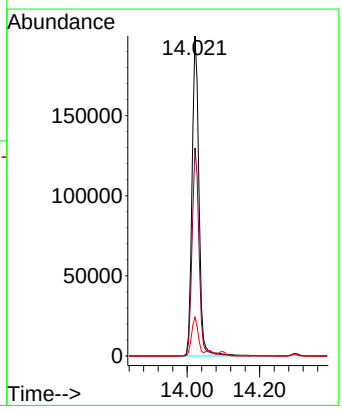
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

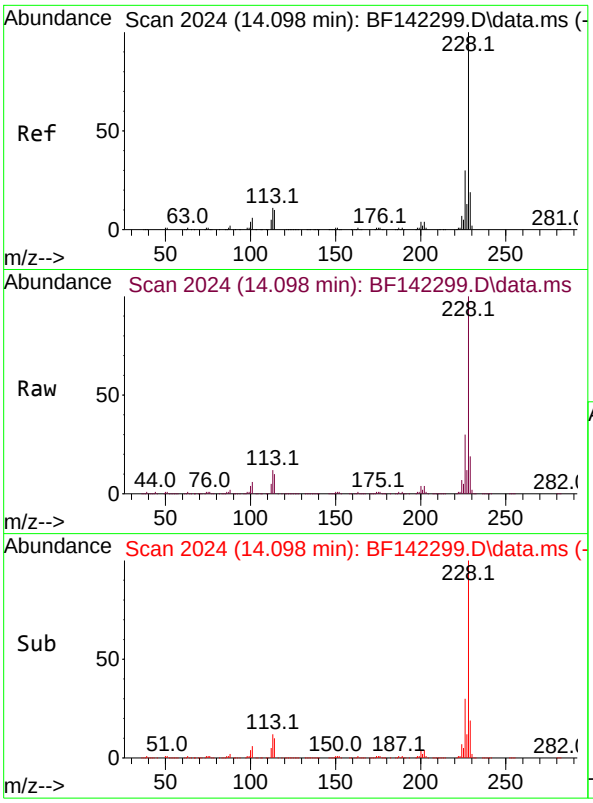


#82
3,3'-Dichlorobenzidine
Concen: 39.352 ng
RT: 14.021 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:252 Resp: 265678

Ion	Ratio	Lower	Upper
252	100		
254	65.0	52.0	78.0
126	12.1	9.7	14.5

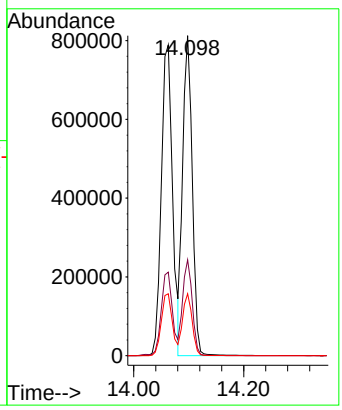




#83
Chrysene
Concen: 36.624 ng
RT: 14.098 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:228 Resp: 98981

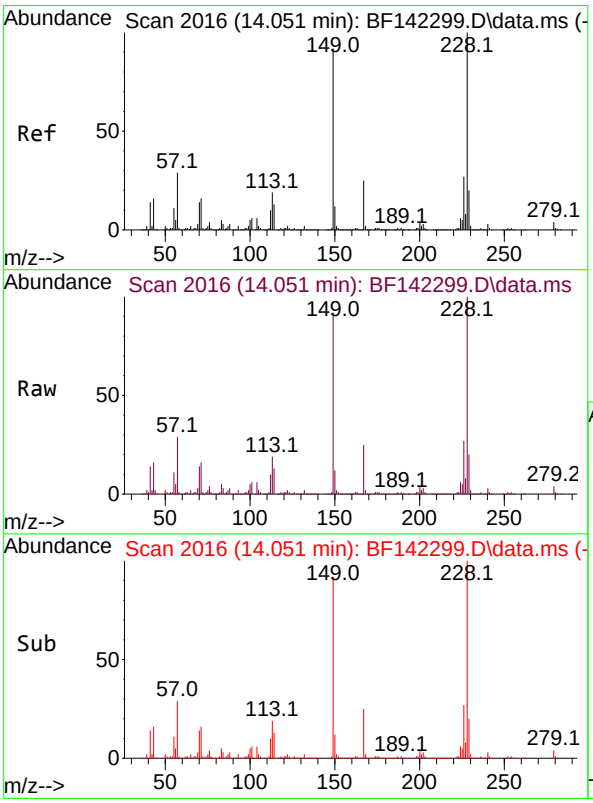
Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.9	35.9
229	19.3	15.4	23.2



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

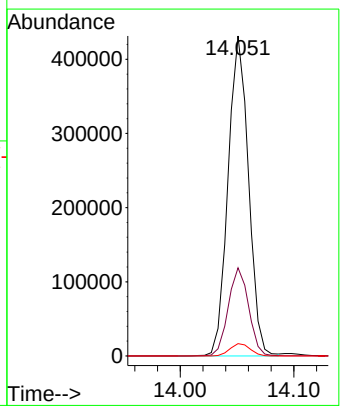
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

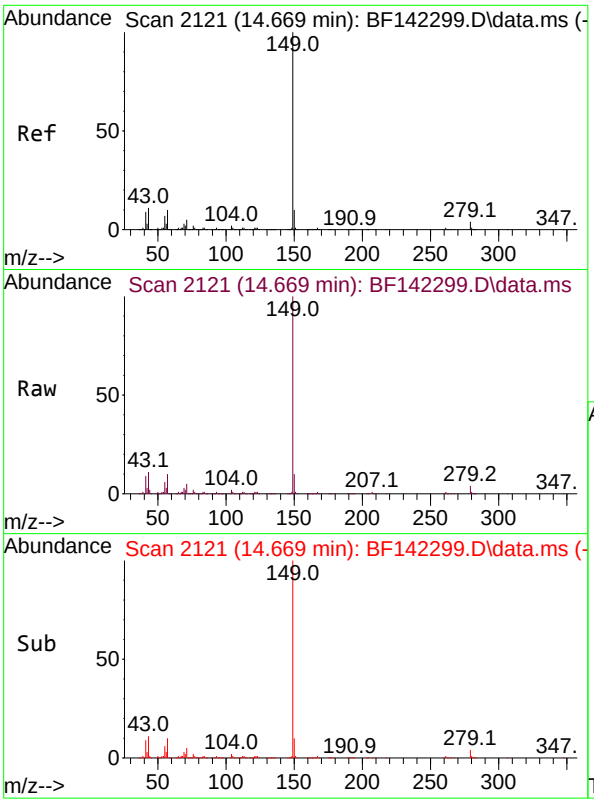


#84
Bis(2-ethylhexyl)phthalate
Concen: 36.650 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:149 Resp: 539105

Ion	Ratio	Lower	Upper
149	100		
167	27.5	22.0	33.0
279	3.8	3.0	4.6

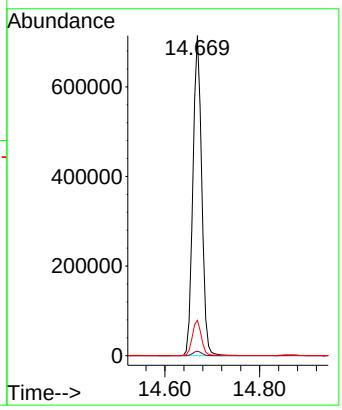




#85
Di-n-octyl phthalate
Concen: 36.079 ng
RT: 14.669 min Scan# 21
Delta R.T. -0.001 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:149 Resp: 92280

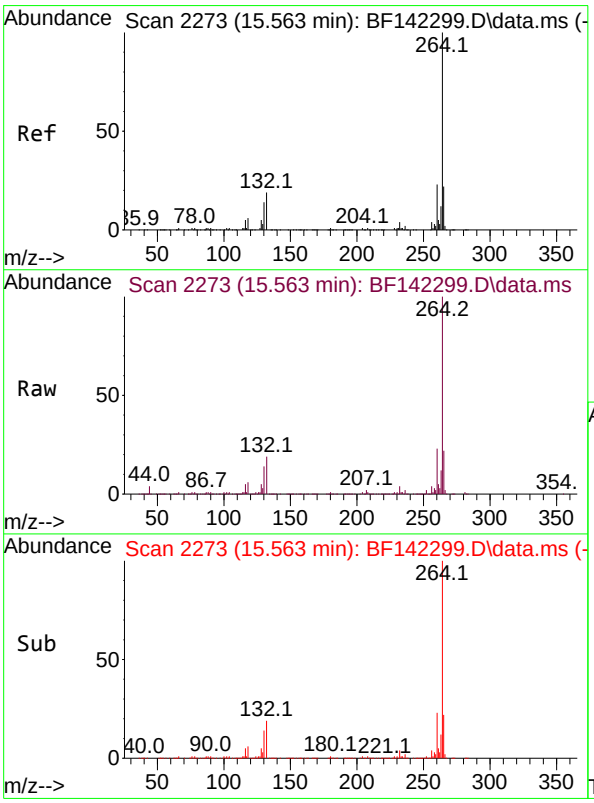
Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.1	1.7
43	11.5	9.2	13.8



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

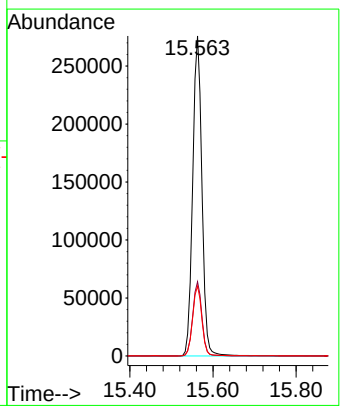
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

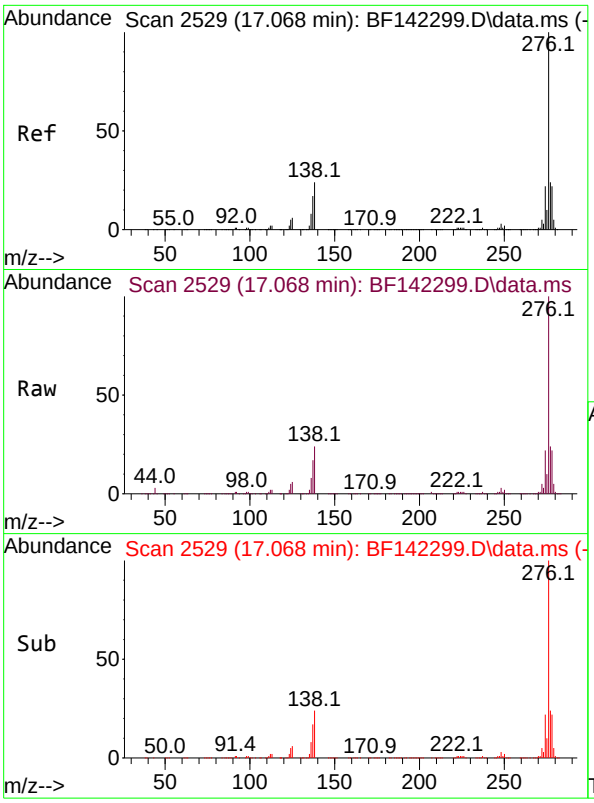


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2273
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:264 Resp: 426732

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	27.8
265	21.9	17.5	26.3

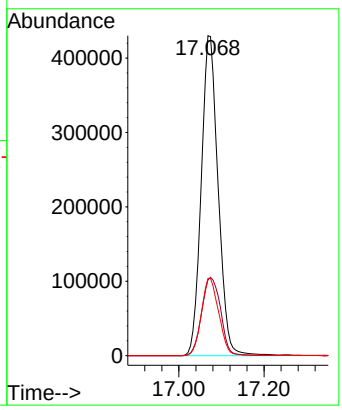




#87
Indeno(1,2,3-cd)pyrene
Concen: 39.794 ng
RT: 17.068 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:276 Resp: 118126

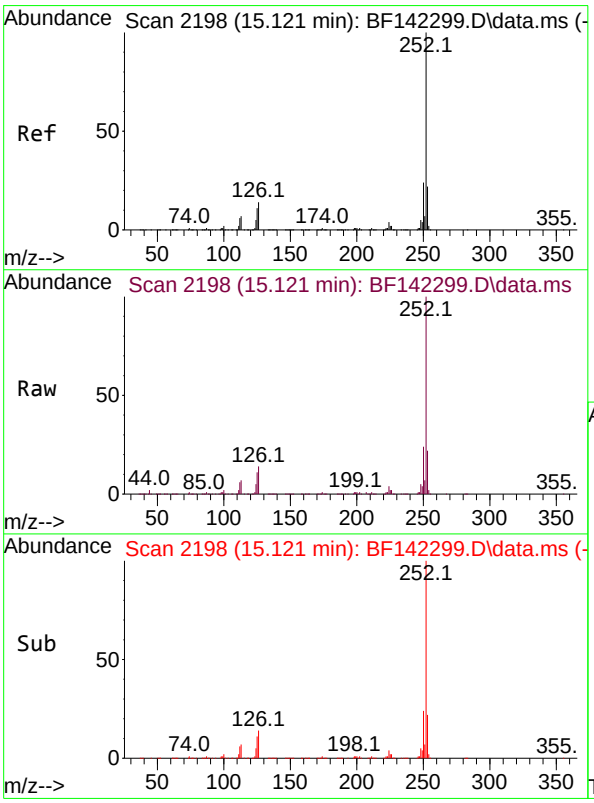
Ion	Ratio	Lower	Upper
276	100		
138	27.5	22.0	33.0
277	25.1	20.1	30.1



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

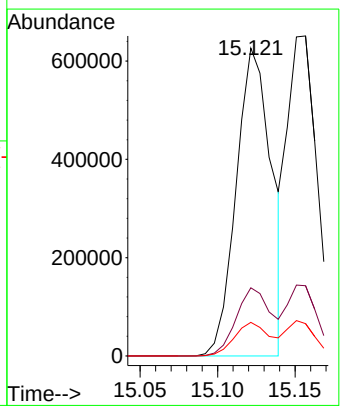
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

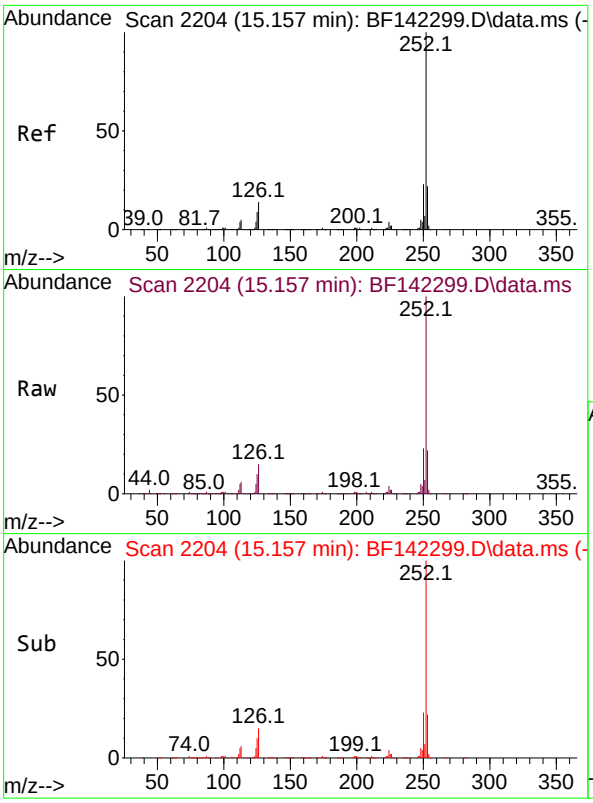


#88
Benzo(b)fluoranthene
Concen: 38.414 ng
RT: 15.121 min Scan# 2198
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:252 Resp: 992827

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	10.9	8.7	13.1

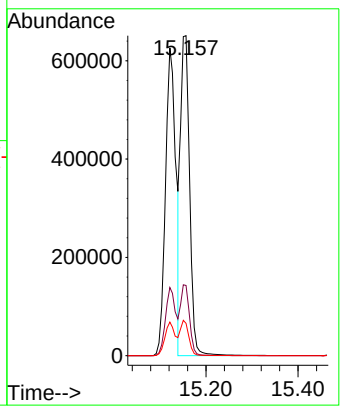




#89
Benzo(k)fluoranthene
Concen: 37.546 ng
RT: 15.157 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:252 Resp: 88802

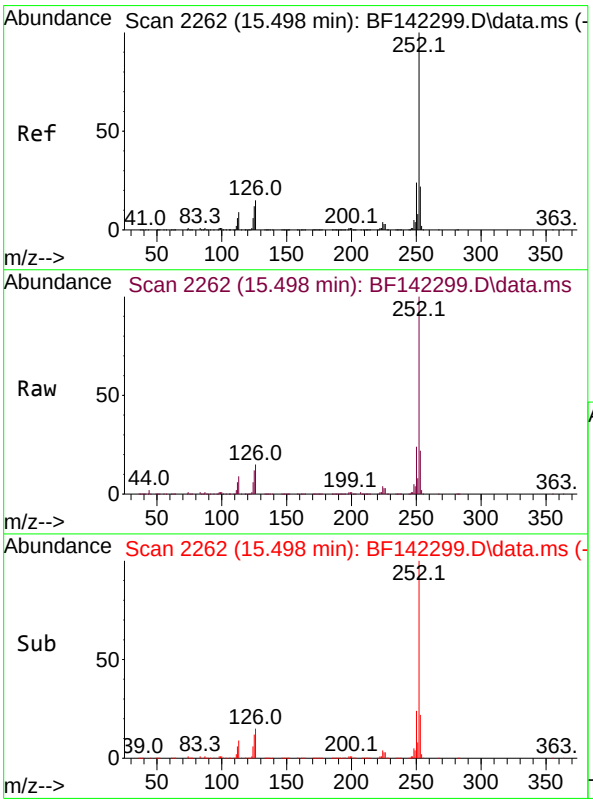
Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	10.1	8.1	12.1



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

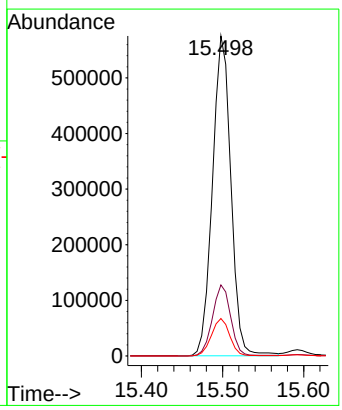
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

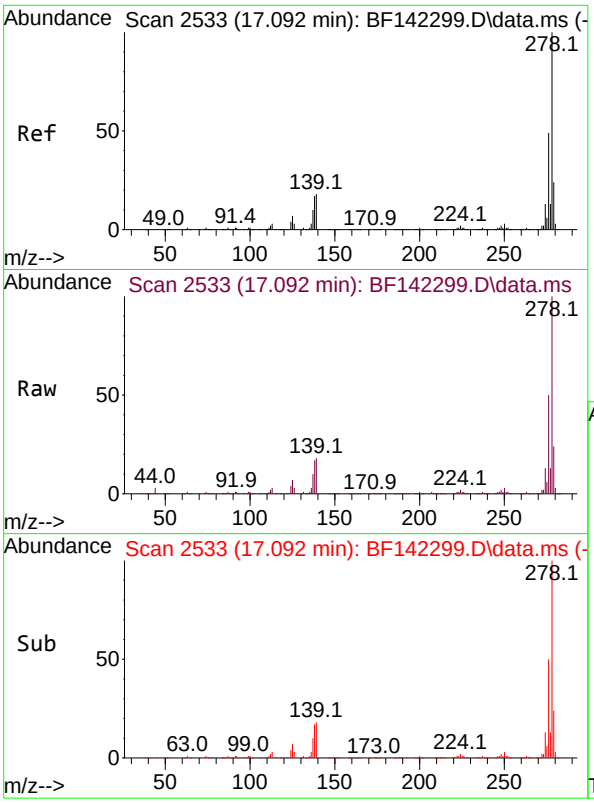


#90
Benzo(a)pyrene
Concen: 39.269 ng
RT: 15.498 min Scan# 2262
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:252 Resp: 909479

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	11.7	9.4	14.0





#91
Dibenzo(a,h)anthracene
Concen: 39.578 ng
RT: 17.092 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

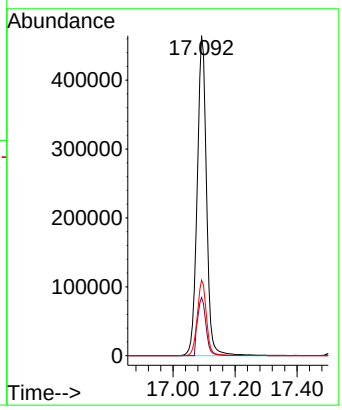
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

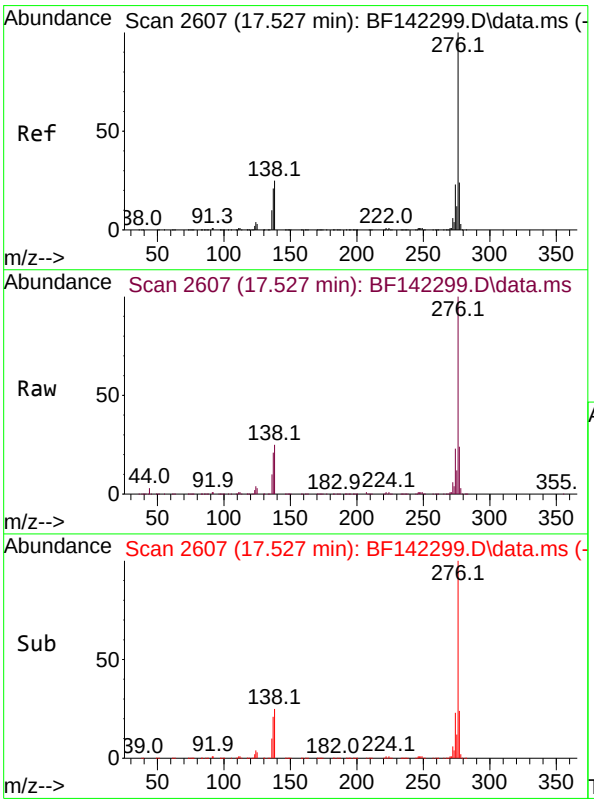
Tgt Ion:278 Resp: 97062

Ion	Ratio	Lower	Upper
278	100		
139	18.1	14.5	21.7
279	23.6	18.9	28.3

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

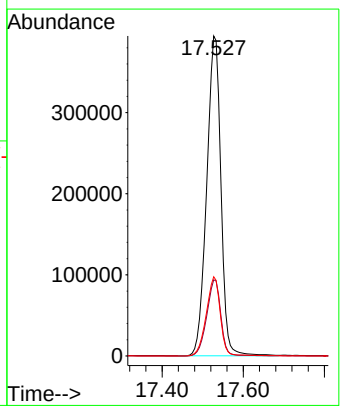




#92
Benzo(g,h,i)perylene
Concen: 39.285 ng
RT: 17.527 min Scan# 2607
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:276 Resp: 956211

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.0	28.6
138	24.7	19.8	29.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142300.D
Acq On : 05 May 2025 16:18
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

Quant Time: May 05 18:00:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 17:44:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	184142	20.000	ng	0.00
21) Naphthalene-d8	8.192	136	725434	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	381581	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	653321	20.000	ng	0.00
76) Chrysene-d12	14.074	240	361528	20.000	ng	0.00
86) Perylene-d12	15.563	264	352732	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1127279	104.504	ng	0.00
7) Phenol-d6	6.528	99	1380723	104.071	ng	0.00
23) Nitrobenzene-d5	7.469	82	1306356	109.825	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	416395	113.025	ng	0.00
45) 2-Fluorobiphenyl	9.269	172	2550133	95.292	ng	0.00
79) Terphenyl-d14	13.016	244	2512161	102.849	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.675	88	250125	51.492	ng	100
3) Pyridine	3.446	79	603723	52.856	ng	99
4) n-Nitrosodimethylamine	3.399	42	349382	52.710	ng	99
6) Aniline	6.569	93	710390	54.590	ng	100
8) 2-Chlorophenol	6.687	128	619795	53.769	ng	99
9) Benzaldehyde	6.457	77	346249	44.591	ng	100
10) Phenol	6.540	94	727274m	51.714	ng	
11) bis(2-Chloroethyl)ether	6.640	93	698119m	50.339	ng	
12) 1,3-Dichlorobenzene	6.846	146	679991	51.563	ng	100
13) 1,4-Dichlorobenzene	6.928	146	679359	51.307	ng	99
14) 1,2-Dichlorobenzene	7.075	146	655534	51.578	ng	99
15) Benzyl Alcohol	7.045	79	474305	55.210	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.181	45	1077461	52.026	ng	100
17) 2-Methylphenol	7.151	107	492676	52.792	ng	100
18) Hexachloroethane	7.422	117	235428	53.439	ng	99
19) n-Nitroso-di-n-propyla...	7.322	70	429402	52.324	ng	99
20) 3+4-Methylphenols	7.304	107	613574	52.680	ng	94
22) Acetophenone	7.316	105	809554	50.190	ng	98
24) Nitrobenzene	7.493	77	610521	54.450	ng	98
25) Isophorone	7.728	82	1175639	52.193	ng	99
26) 2-Nitrophenol	7.804	139	279873	51.463	ng	99
27) 2,4-Dimethylphenol	7.834	122	596218	52.647	ng	99
28) bis(2-Chloroethoxy)met...	7.940	93	739692	51.070	ng	99
29) 2,4-Dichlorophenol	8.045	162	521673	54.183	ng	99
30) 1,2,4-Trichlorobenzene	8.128	180	550979	50.849	ng	100
31) Naphthalene	8.210	128	1773884	50.454	ng	100
32) Benzoic acid	7.945	122	322603m	51.963	ng	
33) 4-Chloroaniline	8.257	127	789321m	55.118	ng	
34) Hexachlorobutadiene	8.328	225	335206	52.244	ng	99
35) Caprolactam	8.628	113	160421	57.291	ng	97
36) 4-Chloro-3-methylphenol	8.734	107	526289	52.584	ng	99
37) 2-Methylnaphthalene	8.904	142	1114987	51.036	ng	99
38) 1-Methylnaphthalene	9.004	142	1142120	50.158	ng	99
40) 1,2,4,5-Tetrachloroben...	9.069	216	547513	51.375	ng	100
41) Hexachlorocyclopentadiene	9.057	237	369761	56.140	ng	99
43) 2,4,6-Trichlorophenol	9.175	196	375122	55.803	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142300.D
Acq On : 05 May 2025 16:18
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

Quant Time: May 05 18:00:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 17:44:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	394344	55.134	ng		99
46) 1,1'-Biphenyl	9.369	154	1494596	51.084	ng		100
47) 2-Chloronaphthalene	9.392	162	1101937	50.645	ng		99
48) 2-Nitroaniline	9.481	65	327821	58.781	ng		98
49) Acenaphthylene	9.810	152	1868268	51.328	ng		99
50) Dimethylphthalate	9.669	163	1280292	52.252	ng		99
51) 2,6-Dinitrotoluene	9.728	165	267530	58.331	ng		95
52) Acenaphthene	9.981	154	1125706	51.436	ng		99
53) 3-Nitroaniline	9.898	138	313887	58.354	ng		98
54) 2,4-Dinitrophenol	9.998	184	114759	50.908	ng	#	15
55) Dibenzofuran	10.151	168	1632492	50.542	ng		99
56) 4-Nitrophenol	10.039	139	240972	59.524	ng		99
57) 2,4-Dinitrotoluene	10.128	165	350749	59.620	ng		100
58) Fluorene	10.492	166	1224371	49.671	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	327947	55.542	ng		99
60) Diethylphthalate	10.363	149	1282136	52.397	ng		99
61) 4-Chlorophenyl-phenyle...	10.486	204	608508	51.168	ng		100
62) 4-Nitroaniline	10.504	138	229299	53.785	ng		98
63) Azobenzene	10.645	77	1211976	51.833	ng		100
65) 4,6-Dinitro-2-methylph...	10.534	198	154307	50.269	ng		96
66) n-Nitrosodiphenylamine	10.604	169	1120570	51.544	ng		100
67) 4-Bromophenyl-phenylether	10.975	248	388493	52.469	ng		99
68) Hexachlorobenzene	11.039	284	420761	51.661	ng		99
69) Atrazine	11.128	200	319507	55.754	ng		99
70) Pentachlorophenol	11.228	266	249218	58.166	ng		98
71) Phenanthrene	11.457	178	1727795	50.453	ng		99
72) Anthracene	11.510	178	1784428	50.712	ng		100
73) Carbazole	11.663	167	1610611	51.019	ng		100
74) Di-n-butylphthalate	11.992	149	1785998	53.803	ng		100
75) Fluoranthene	12.645	202	1717060	50.159	ng		100
77) Benzidine	12.769	184	385286	58.643	ng		99
78) Pyrene	12.875	202	1728090	53.702	ng		99
80) Butylbenzylphthalate	13.492	149	493025	52.156	ng		100
81) Benzo(a)anthracene	14.063	228	1224138	52.285	ng		99
82) 3,3'-Dichlorobenzidine	14.022	252	295953	54.357	ng		99
83) Chrysene	14.098	228	1119046	51.342	ng		99
84) Bis(2-ethylhexyl)phtha...	14.051	149	631350	51.305	ng		99
85) Di-n-octyl phthalate	14.669	149	1122100	50.417	ng		100
87) Indeno(1,2,3-cd)pyrene	17.074	276	1407239	57.351	ng		100
88) Benzo(b)fluoranthene	15.121	252	1113446	52.119	ng		99
89) Benzo(k)fluoranthene	15.157	252	1033813	52.880	ng		100
90) Benzo(a)pyrene	15.504	252	1043008	54.482	ng		99
91) Dibenzo(a,h)anthracene	17.098	278	1153556	56.905	ng		99
92) Benzo(g,h,i)perylene	17.533	276	1141826	56.752	ng		99

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

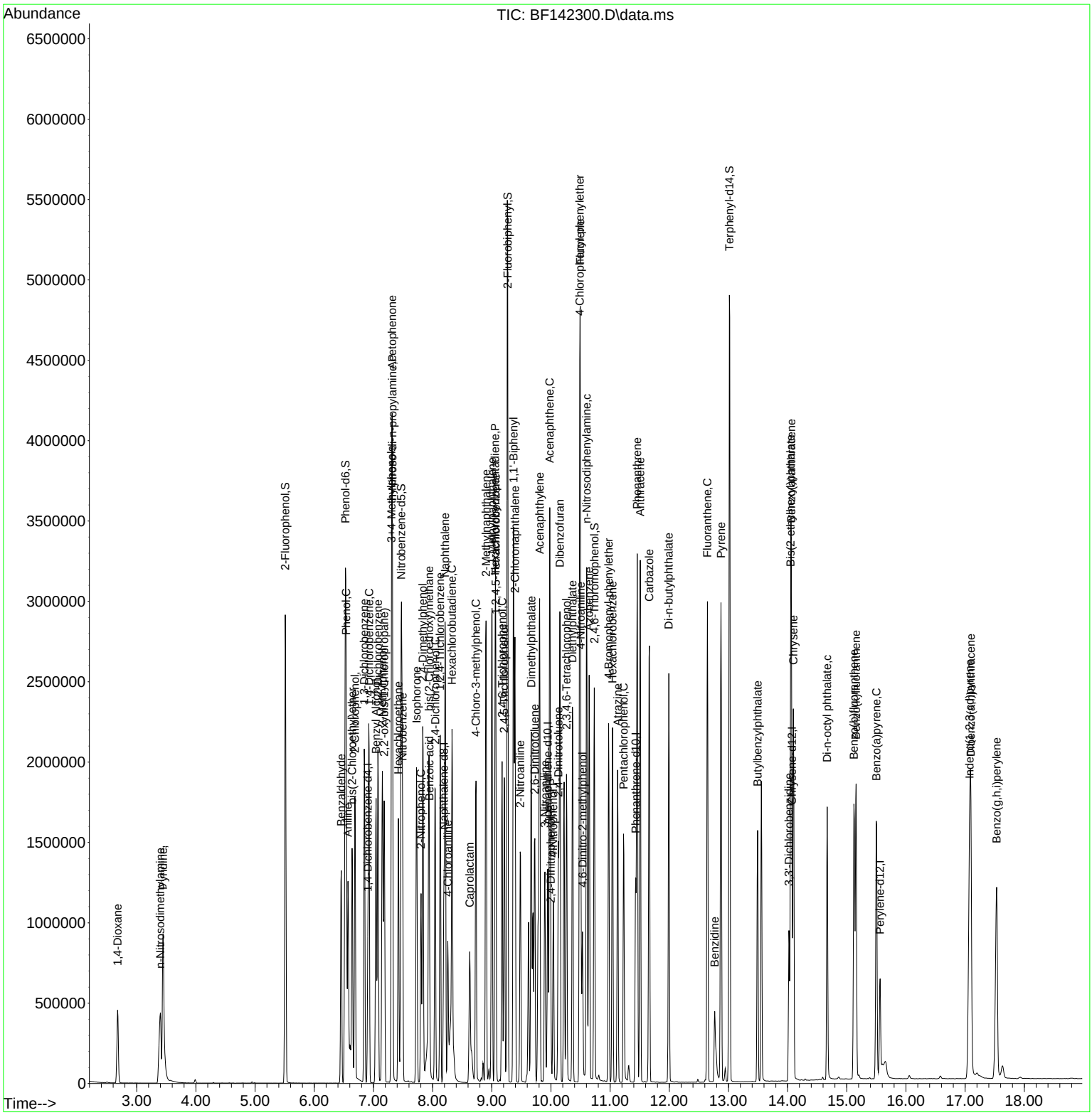
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142300.D
Acq On : 05 May 2025 16:18
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

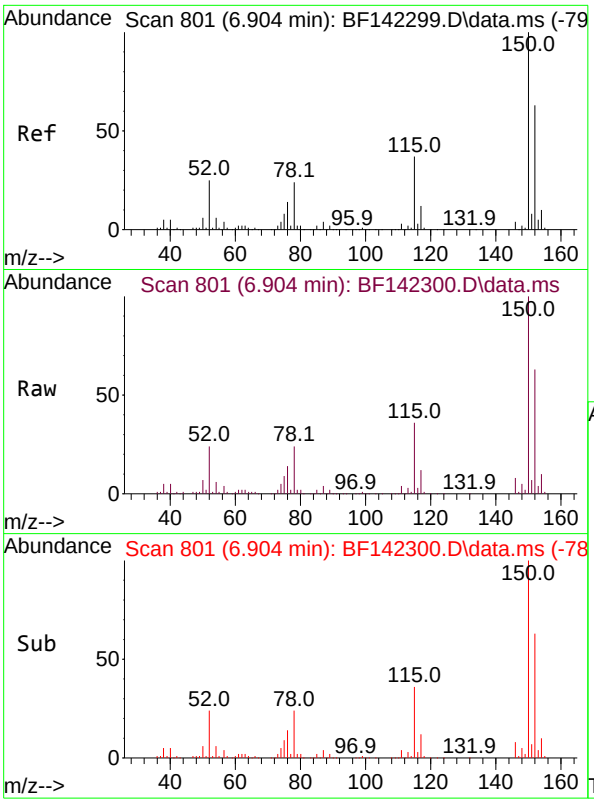
Quant Time: May 05 18:00:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 17:44:56 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

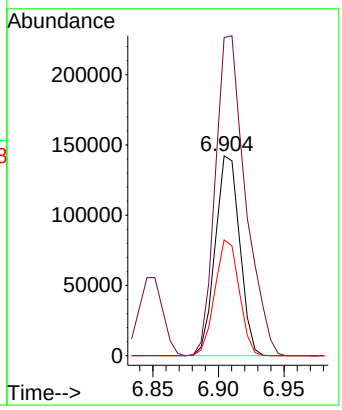




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:152 Resp: 18414

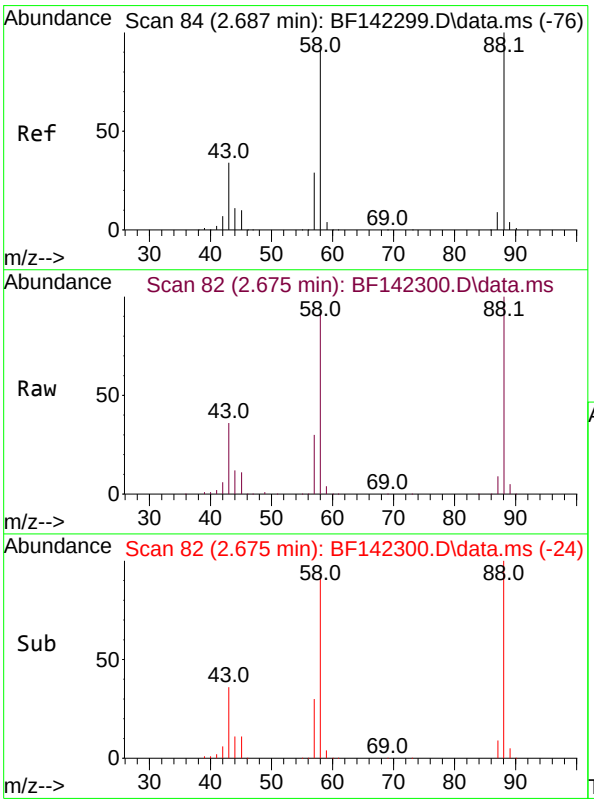
Ion	Ratio	Lower	Upper
152	100		
150	159.2	126.6	190.0
115	57.9	47.3	70.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

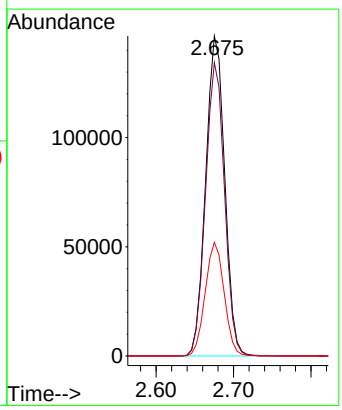
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

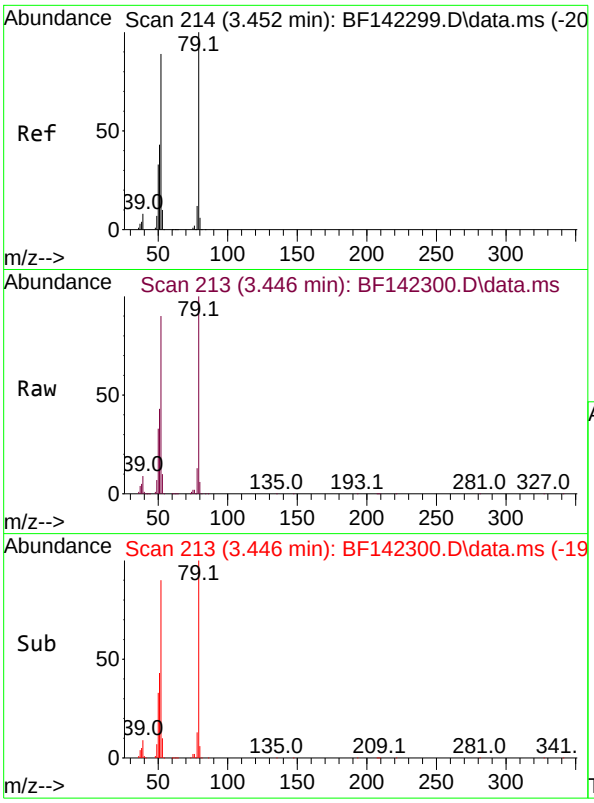


#2
1,4-Dioxane
Concen: 51.492 ng
RT: 2.675 min Scan# 82
Delta R.T. -0.012 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion: 88 Resp: 250125

Ion	Ratio	Lower	Upper
88	100		
58	91.4	73.0	109.4
43	35.4	27.8	41.6

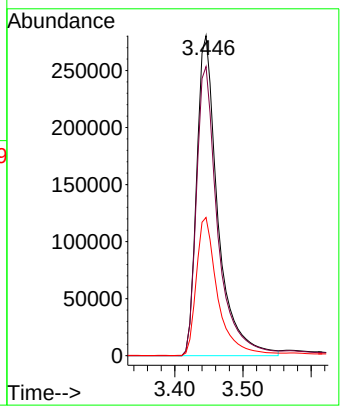




#3
Pyridine
Concen: 52.856 ng
RT: 3.446 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion: 79 Resp: 60372

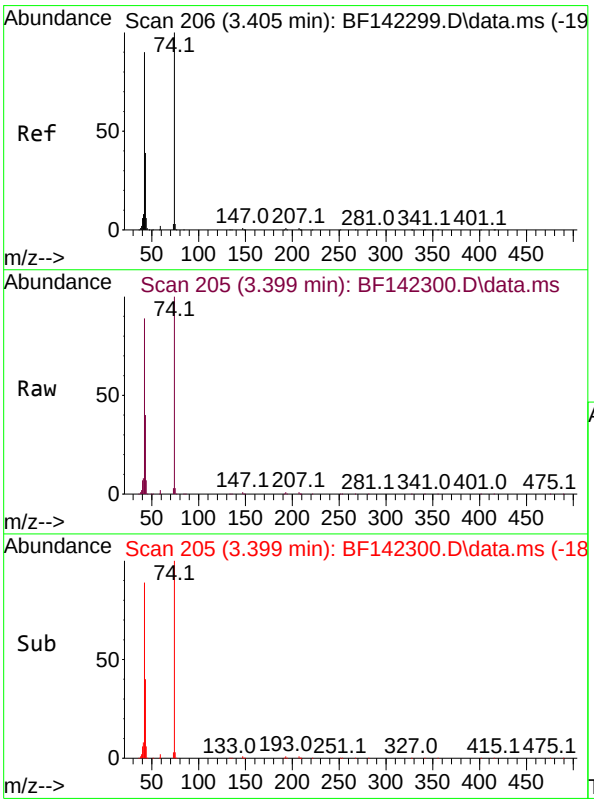
Ion	Ratio	Lower	Upper
79	100		
52	90.4	71.0	106.4
51	43.2	34.9	52.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

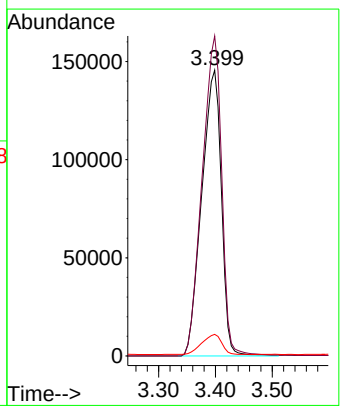
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

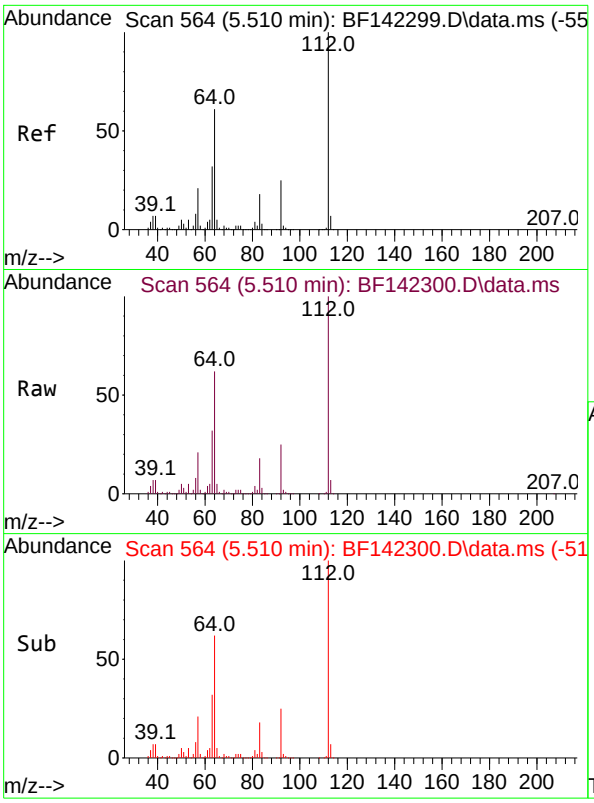


#4
n-Nitrosodimethylamine
Concen: 52.710 ng
RT: 3.399 min Scan# 205
Delta R.T. -0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion: 42 Resp: 349382

Ion	Ratio	Lower	Upper
42	100		
74	112.0	88.5	132.7
44	7.5	5.8	8.8

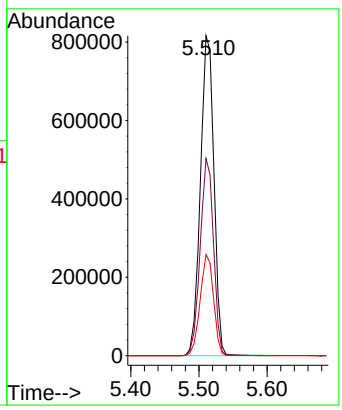




#5
2-Fluorophenol
Concen: 104.504 ng
RT: 5.510 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:112 Resp: 112727

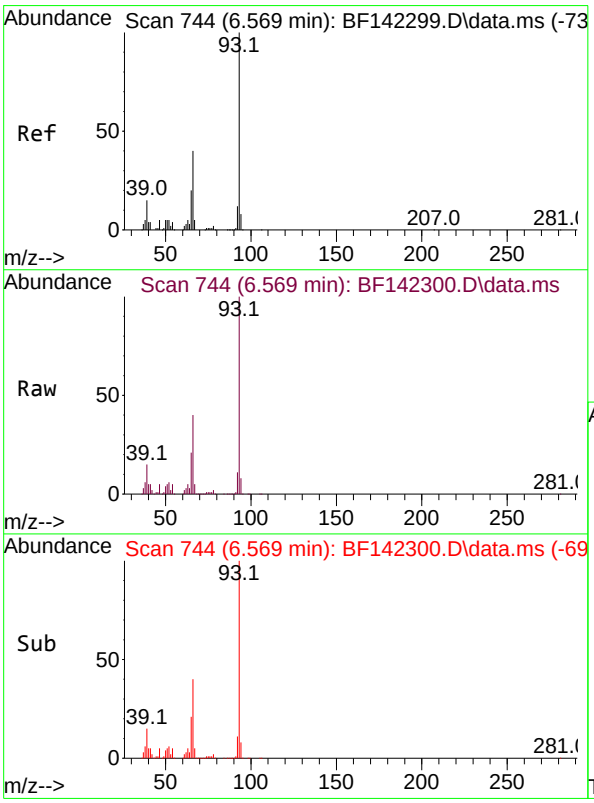
Ion	Ratio	Lower	Upper
112	100		
64	61.6	48.9	73.3
63	31.6	25.6	38.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

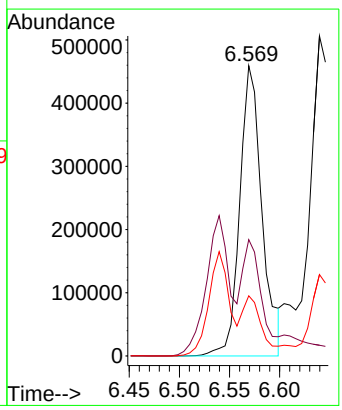
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

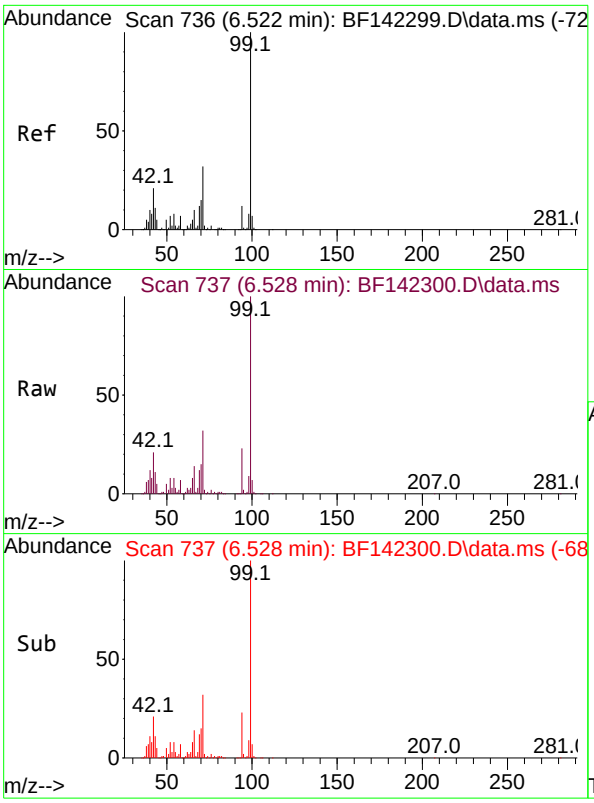


#6
Aniline
Concen: 54.590 ng
RT: 6.569 min Scan# 744
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion: 93 Resp: 710390

Ion	Ratio	Lower	Upper
93	100		
66	40.1	32.2	48.4
65	20.7	16.3	24.5

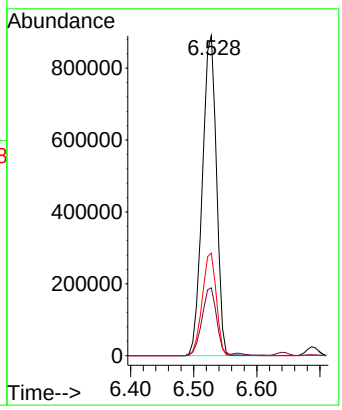




#7
Phenol-d6
Concen: 104.071 ng
RT: 6.528 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion: 99 Resp: 138072

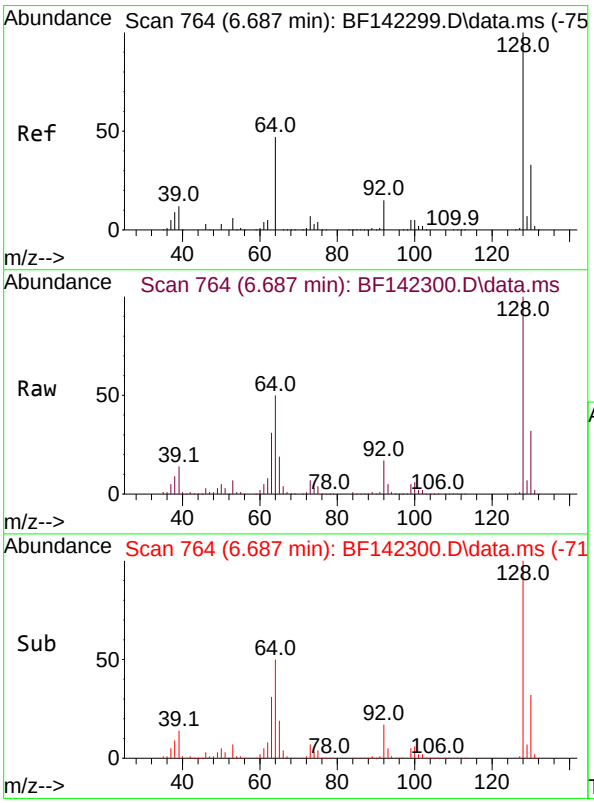
Ion	Ratio	Lower	Upper
99	100		
42	21.2	17.0	25.4
71	32.1	25.8	38.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

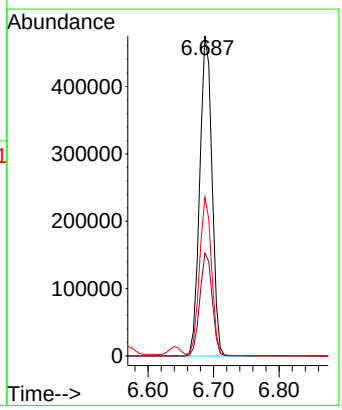
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

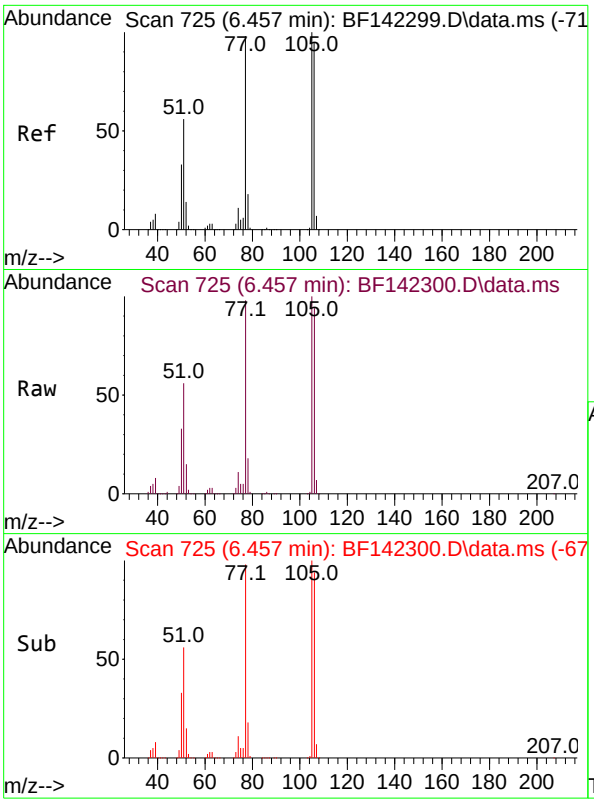


#8
2-Chlorophenol
Concen: 53.769 ng
RT: 6.687 min Scan# 764
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:128 Resp: 619795

Ion	Ratio	Lower	Upper
128	100		
130	32.1	12.7	52.7
64	49.6	29.2	69.2

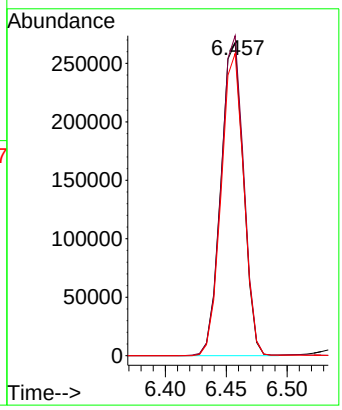




#9
Benzaldehyde
Concen: 44.591 ng
RT: 6.457 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion: 77 Resp: 34624

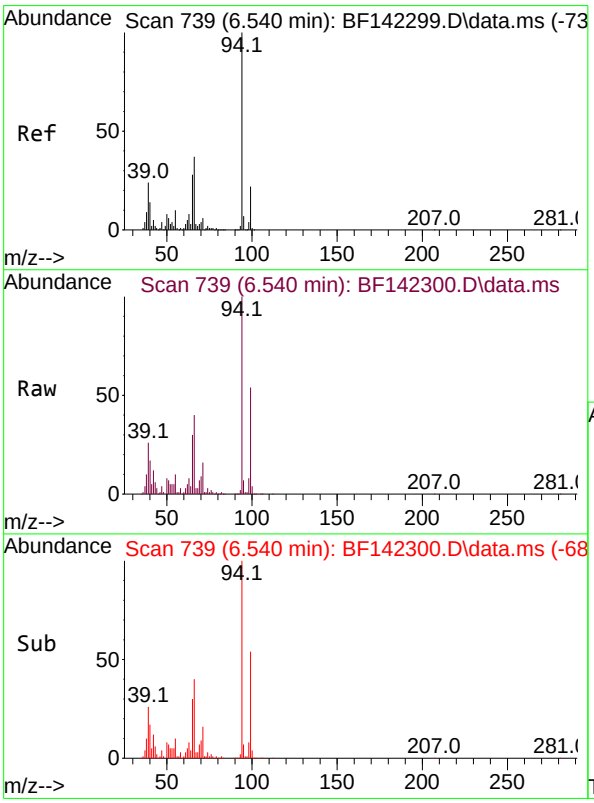
Ion	Ratio	Lower	Upper
77	100		
105	102.3	82.0	122.0
106	96.6	77.2	117.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

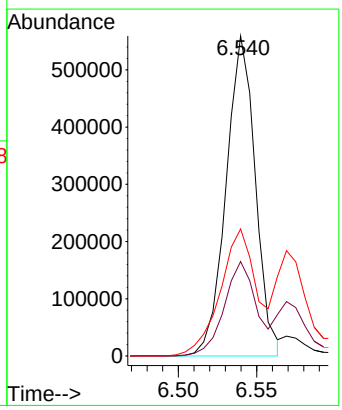
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

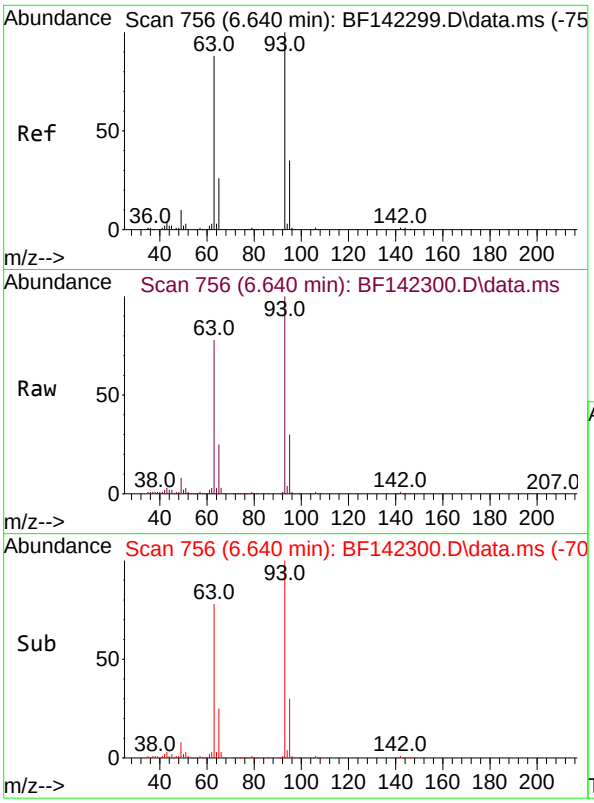


#10
Phenol
Concen: 51.714 ng m
RT: 6.540 min Scan# 739
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion: 94 Resp: 727274

Ion	Ratio	Lower	Upper
94	100		
65	29.5	8.5	48.5
66	39.7	17.3	57.3

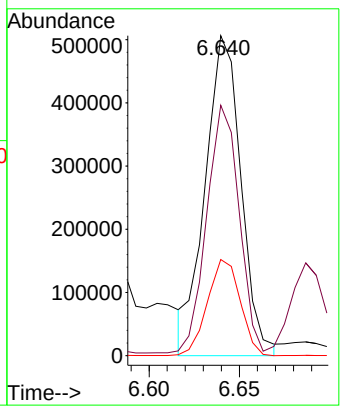




#11
bis(2-Chloroethyl)ether
Concen: 50.339 ng m
RT: 6.640 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion: 93 Resp: 69811

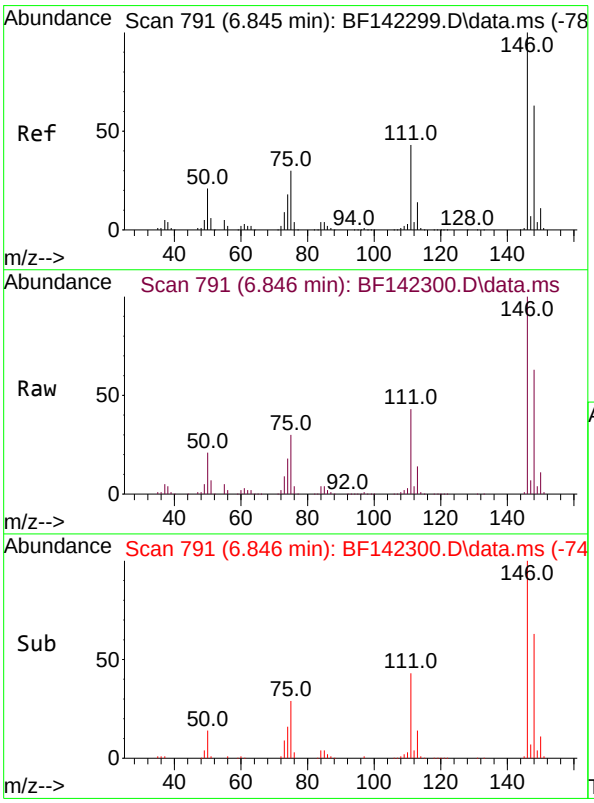
Ion	Ratio	Lower	Upper
93	100		
63	78.3	58.4	98.4
95	30.1	10.6	50.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

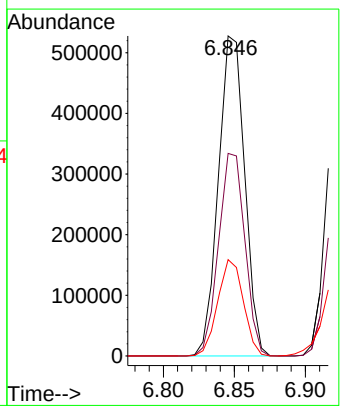
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

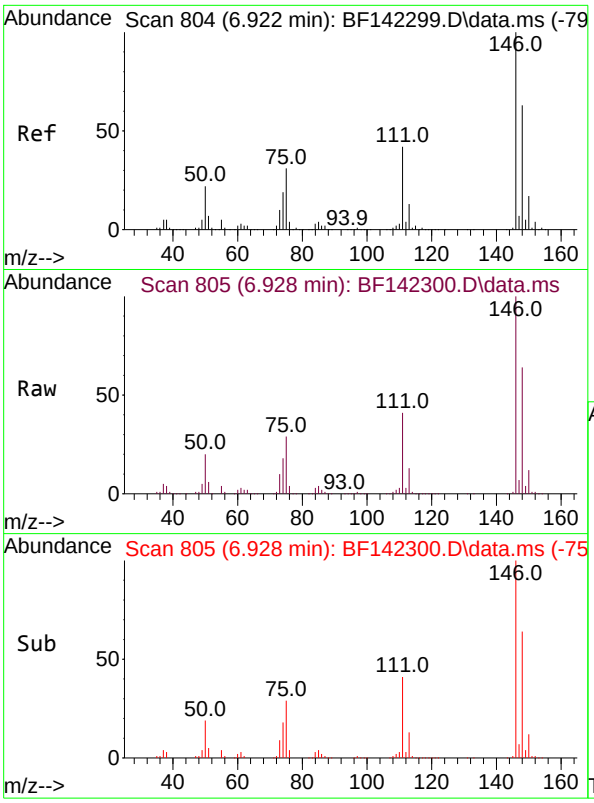


#12
1,3-Dichlorobenzene
Concen: 51.563 ng
RT: 6.846 min Scan# 791
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:146 Resp: 679991

Ion	Ratio	Lower	Upper
146	100		
148	63.3	50.6	76.0
75	30.1	24.2	36.4

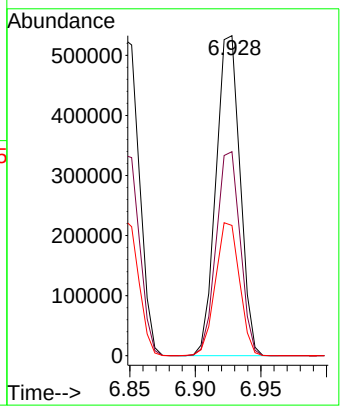




#13
1,4-Dichlorobenzene
Concen: 51.307 ng
RT: 6.928 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:146 Resp: 67935

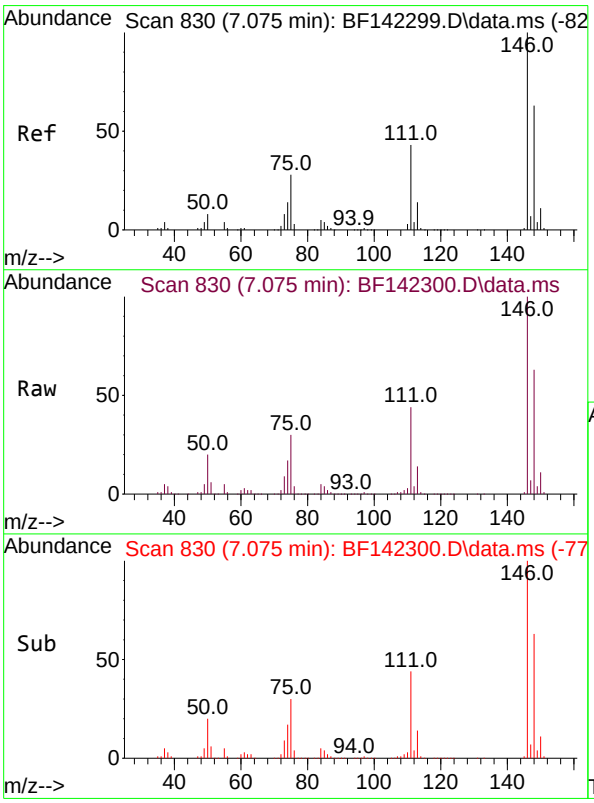
Ion	Ratio	Lower	Upper
146	100		
148	63.8	50.5	75.7
111	40.7	33.4	50.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

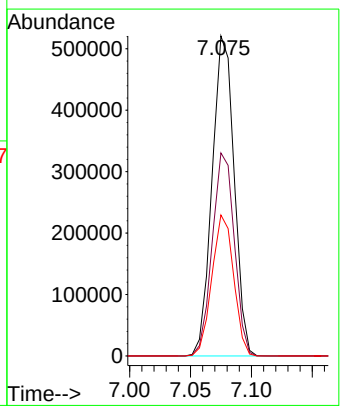
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

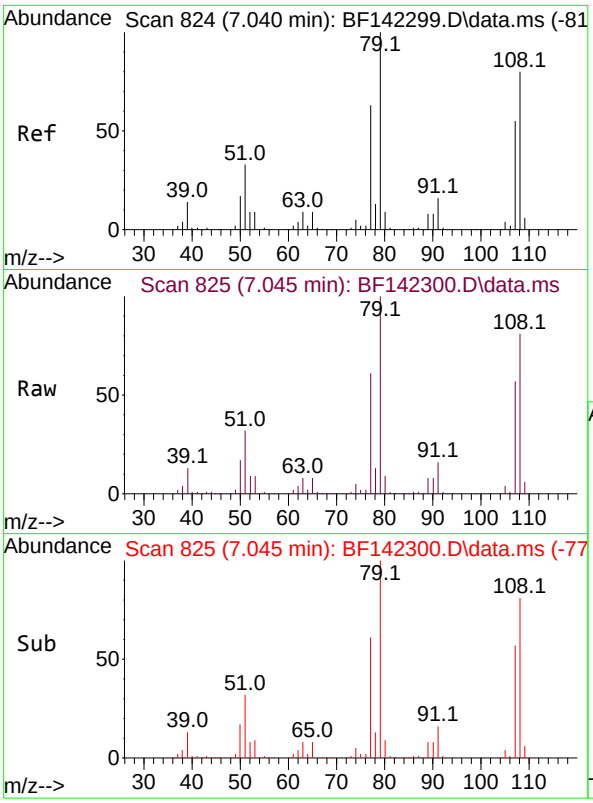


#14
1,2-Dichlorobenzene
Concen: 51.578 ng
RT: 7.075 min Scan# 830
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:146 Resp: 655534

Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.3	75.5
111	44.1	34.5	51.7





#15
Benzyl Alcohol
Concen: 55.210 ng
RT: 7.045 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

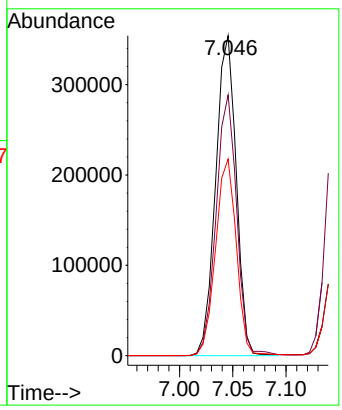
Tgt Ion: 79 Resp: 47430

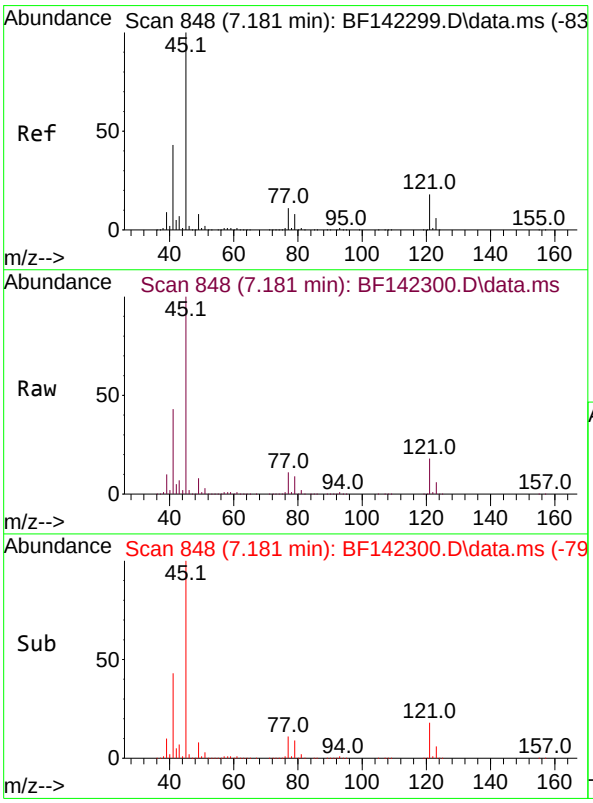
Ion	Ratio	Lower	Upper
79	100		
108	81.5	63.9	95.9
77	61.4	50.7	76.1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

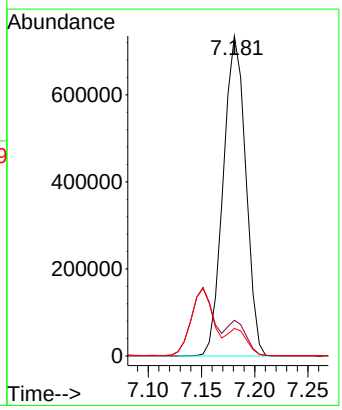


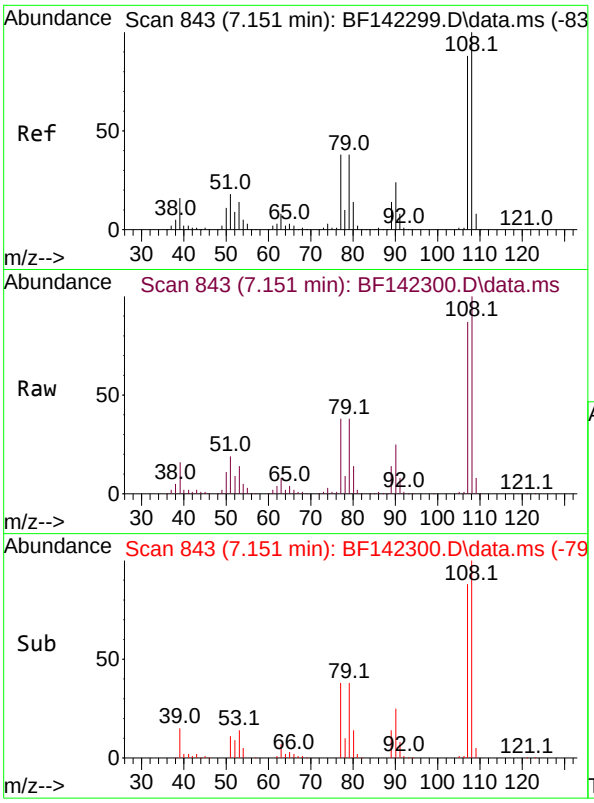


#16
2,2'-oxybis(1-Chloropropane)
Concen: 52.026 ng
RT: 7.181 min Scan# 848
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion: 45 Resp: 1077461

Ion	Ratio	Lower	Upper
45	100		
77	11.2	0.0	31.2
79	8.6	0.0	28.5

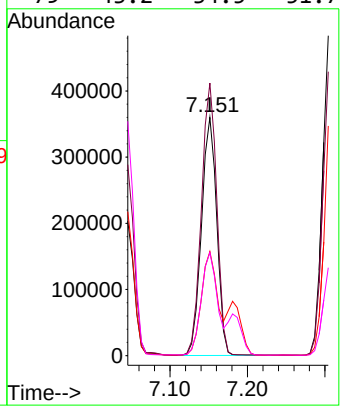




#17
2-Methylphenol
Concen: 52.792 ng
RT: 7.151 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:107 Resp: 49267

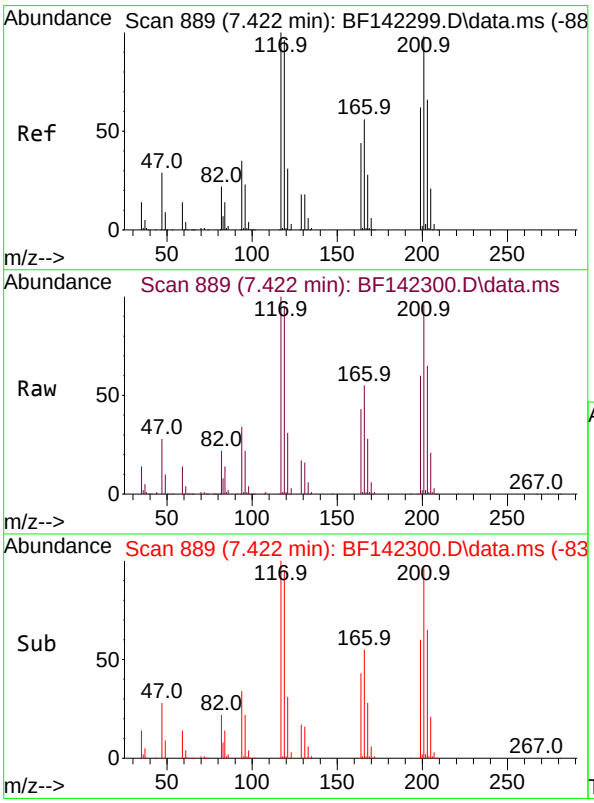
Ion	Ratio	Lower	Upper
107	100		
108	114.4	91.1	136.7
77	43.7	34.7	52.1
79	43.2	34.5	51.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

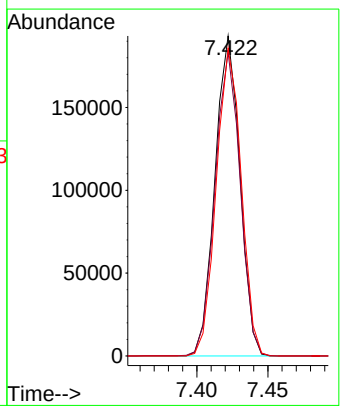
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

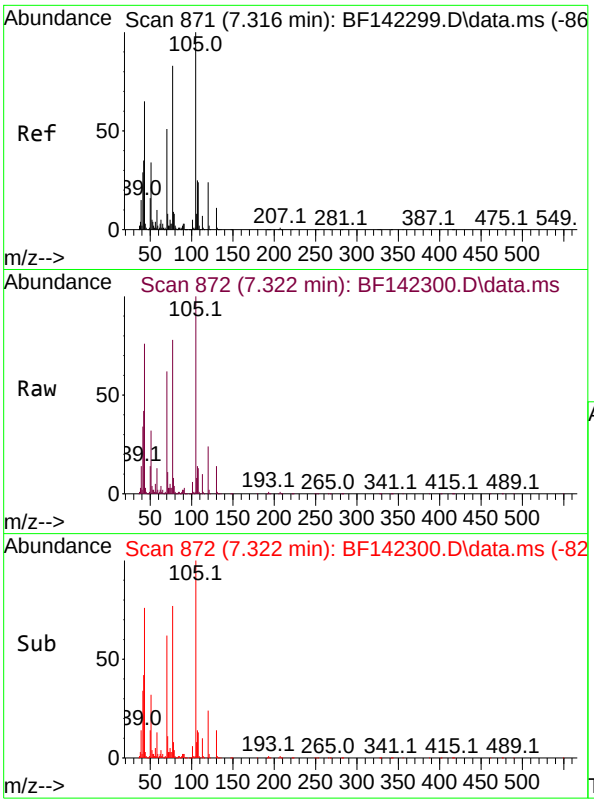


#18
Hexachloroethane
Concen: 53.439 ng
RT: 7.422 min Scan# 889
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:117 Resp: 235428

Ion	Ratio	Lower	Upper
117	100		
119	94.8	76.9	115.3
201	96.2	78.0	117.0

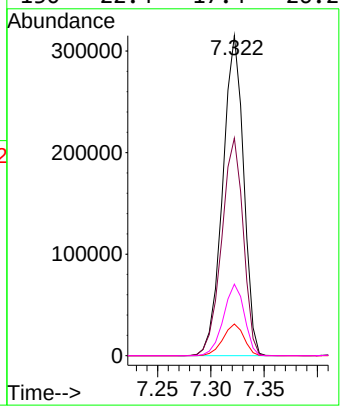




#19
n-Nitroso-di-n-propylamine
Concen: 52.324 ng
RT: 7.322 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion: 70 Resp: 42940

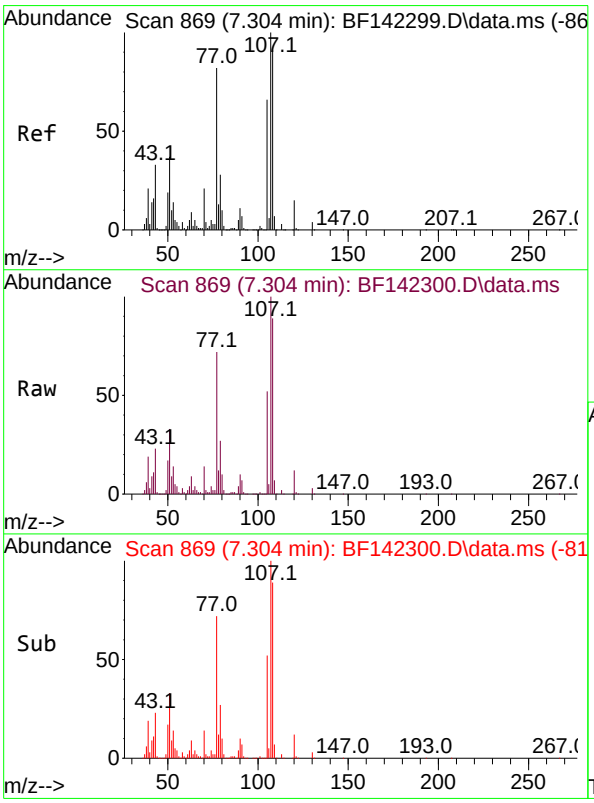
Ion	Ratio	Lower	Upper
70	100		
42	68.0	54.8	82.2
101	9.9	7.7	11.5
130	22.4	17.4	26.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

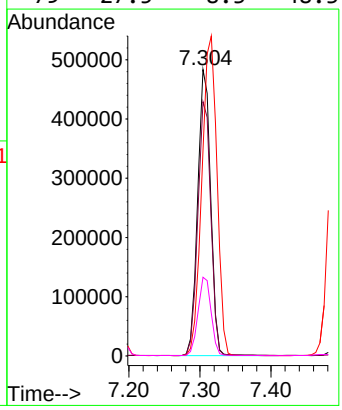
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

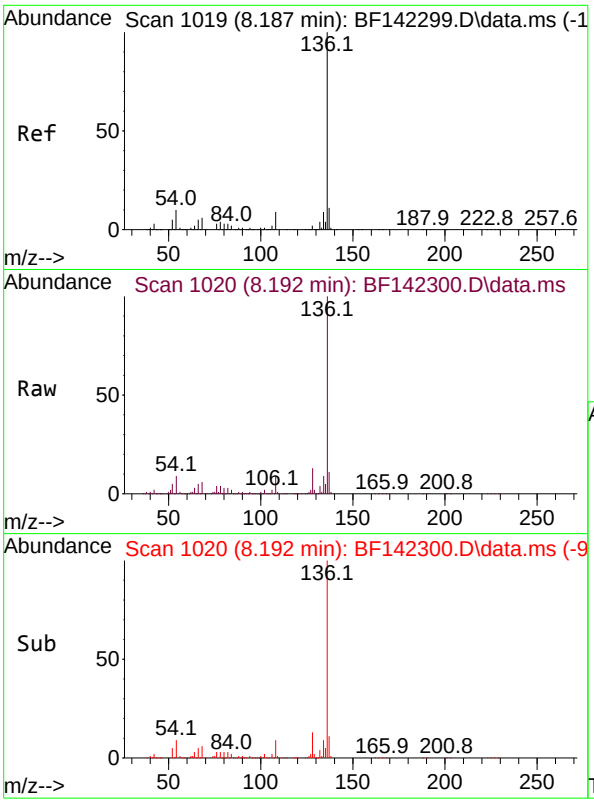


#20
3+4-Methylphenols
Concen: 52.680 ng
RT: 7.304 min Scan# 869
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:107 Resp: 613574

Ion	Ratio	Lower	Upper
107	100		
108	88.7	71.5	111.5
77	71.8	61.6	101.6
79	27.5	8.3	48.3

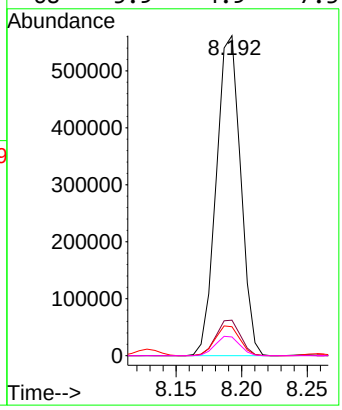




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.192 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:136 Resp: 72543

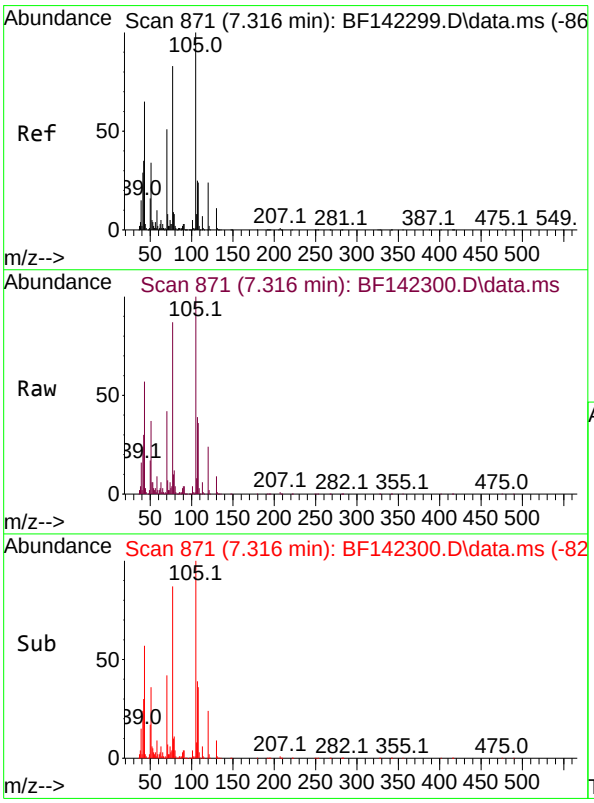
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	9.1	7.7	11.5
68	5.9	4.9	7.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

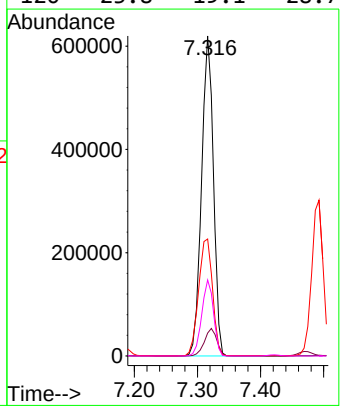
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

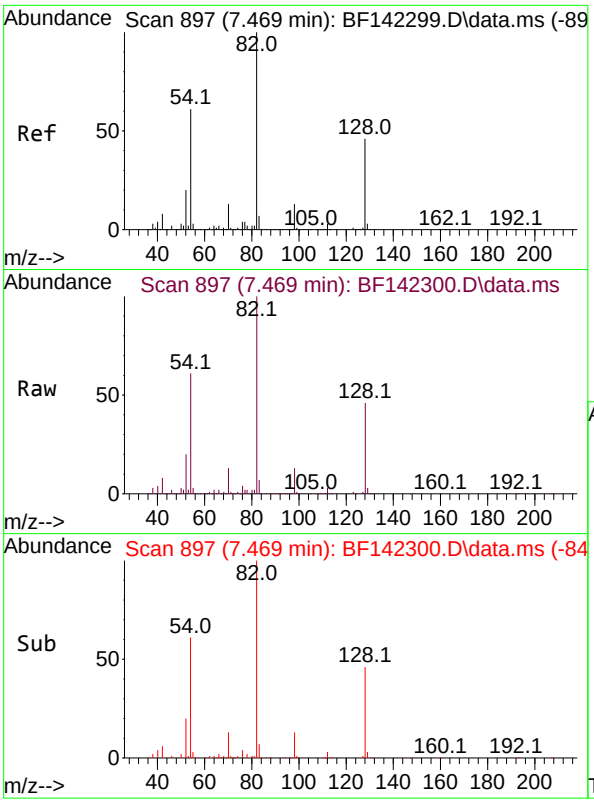


#22
Acetophenone
Concen: 50.190 ng
RT: 7.316 min Scan# 871
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:105 Resp: 809554

Ion	Ratio	Lower	Upper
105	100		
71	7.1	6.7	10.1
51	36.5	27.6	41.4
120	23.8	19.1	28.7

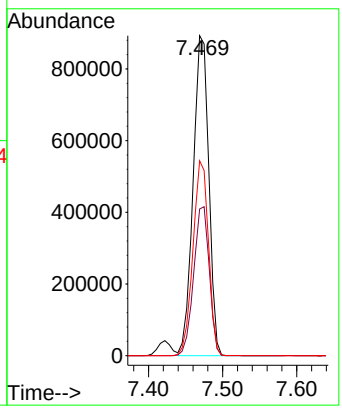




#23
Nitrobenzene-d5
Concen: 109.825 ng
RT: 7.469 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion: 82 Resp: 130635

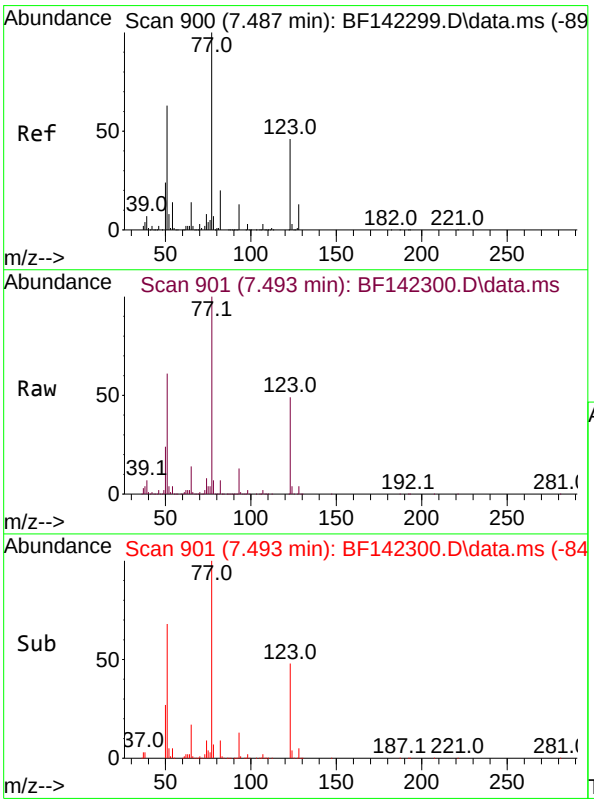
Ion	Ratio	Lower	Upper
82	100		
128	45.8	37.0	55.6
54	60.9	48.6	73.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

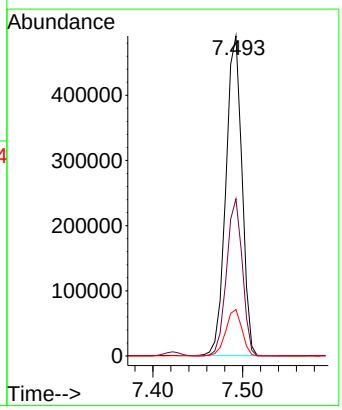
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

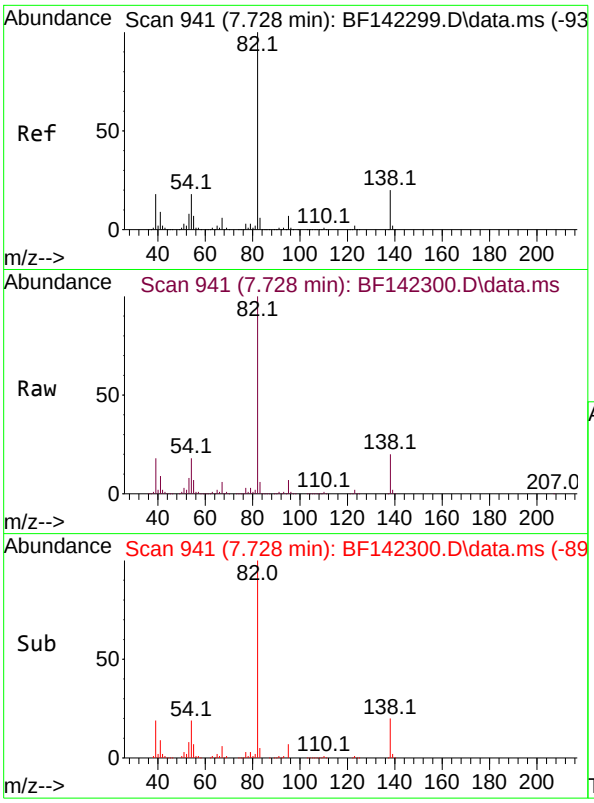


#24
Nitrobenzene
Concen: 54.450 ng
RT: 7.493 min Scan# 901
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion: 77 Resp: 610521

Ion	Ratio	Lower	Upper
77	100		
123	49.1	37.8	56.8
65	14.5	11.4	17.0

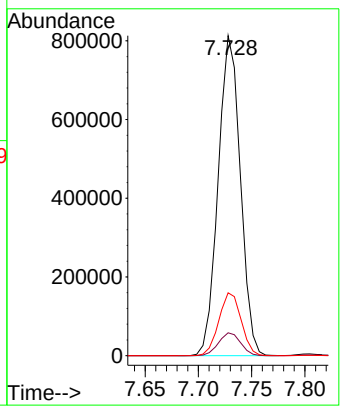




#25
Isophorone
Concen: 52.193 ng
RT: 7.728 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion: 82 Resp: 117563

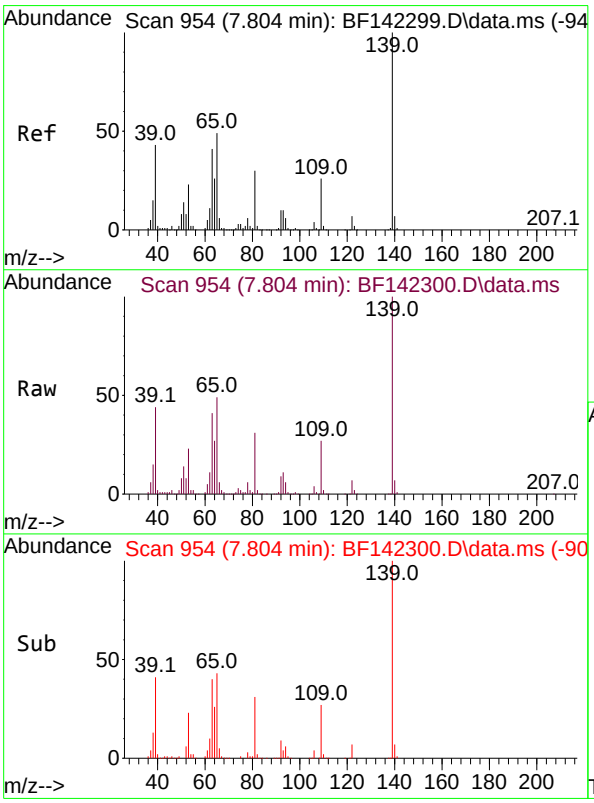
Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.8	8.8
138	19.7	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

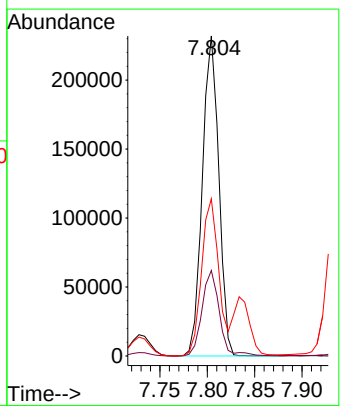
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

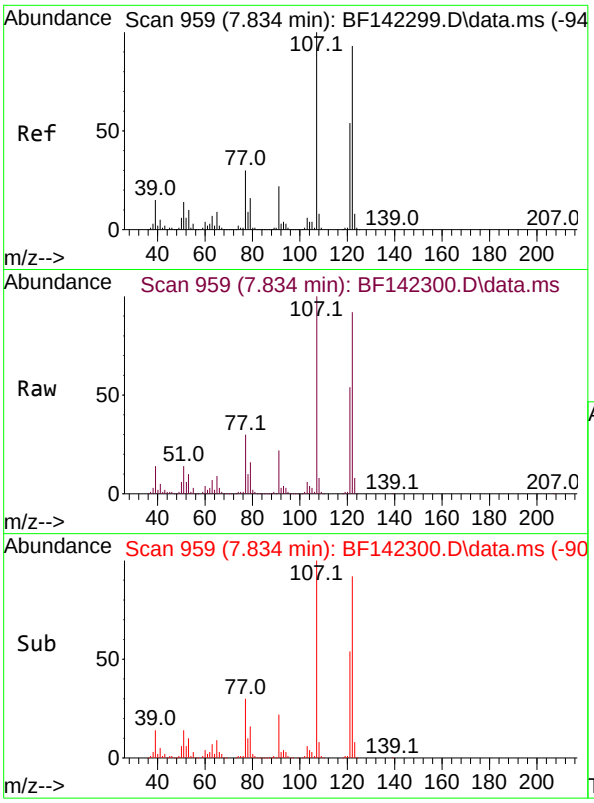


#26
2-Nitrophenol
Concen: 51.463 ng
RT: 7.804 min Scan# 954
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:139 Resp: 279873

Ion	Ratio	Lower	Upper
139	100		
109	26.7	20.8	31.2
65	49.1	38.9	58.3

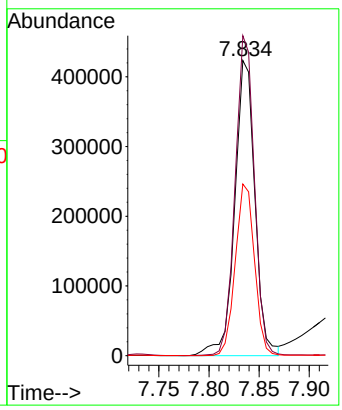




#27
2,4-Dimethylphenol
Concen: 52.647 ng
RT: 7.834 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:122 Resp: 59621

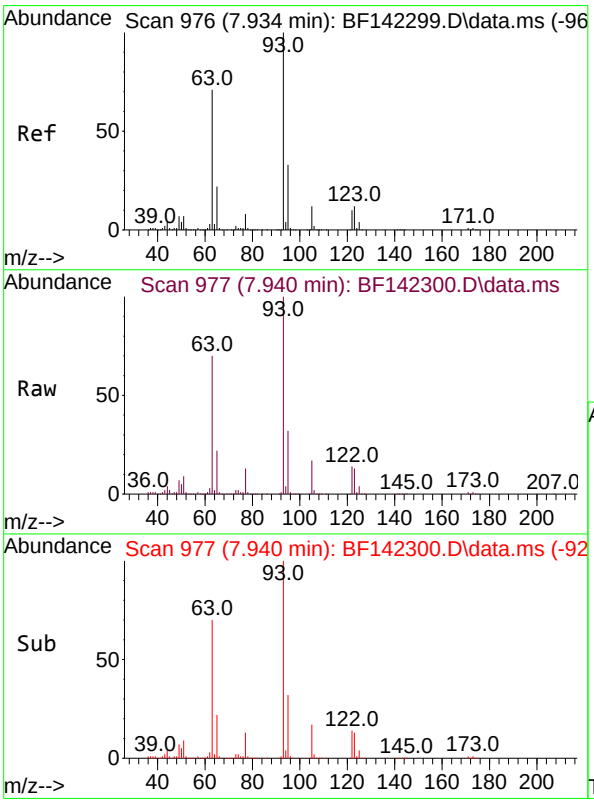
Ion	Ratio	Lower	Upper
122	100		
107	108.4	86.0	129.0
121	58.2	46.2	69.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

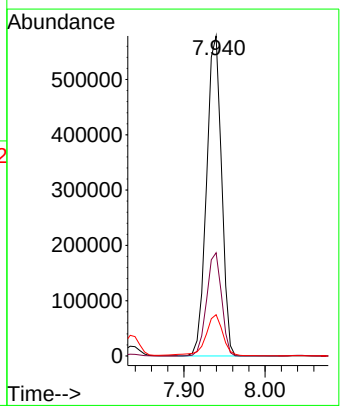
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

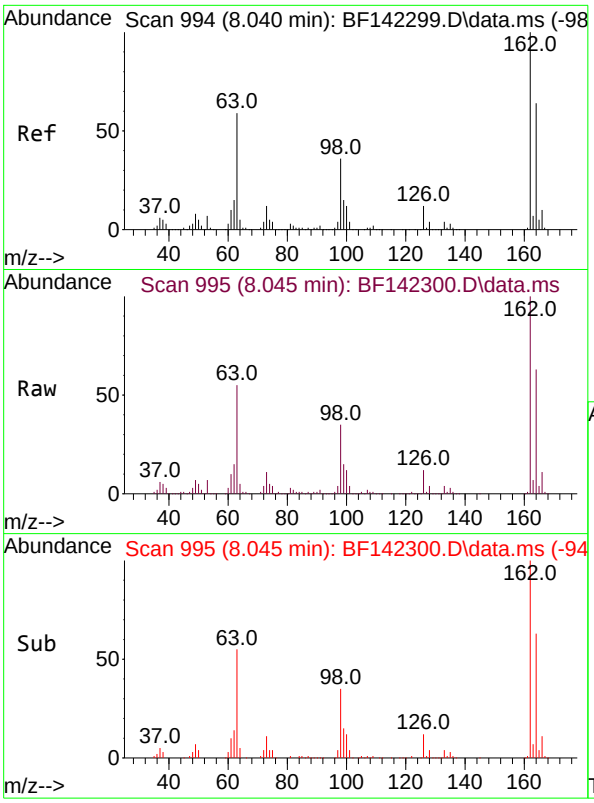


#28
bis(2-Chloroethoxy)methane
Concen: 51.070 ng
RT: 7.940 min Scan# 977
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion: 93 Resp: 739692

Ion	Ratio	Lower	Upper
93	100		
95	32.2	26.1	39.1
123	12.9	10.2	15.4

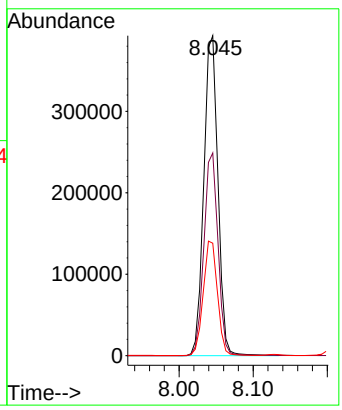




#29
2,4-Dichlorophenol
Concen: 54.183 ng
RT: 8.045 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:162 Resp: 52167

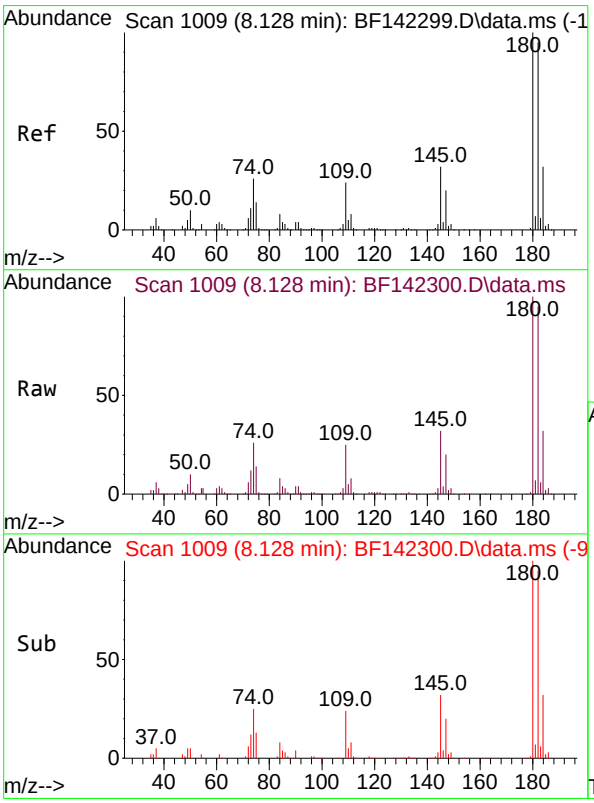
Ion	Ratio	Lower	Upper
162	100		
164	63.4	43.6	83.6
98	35.1	16.5	56.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

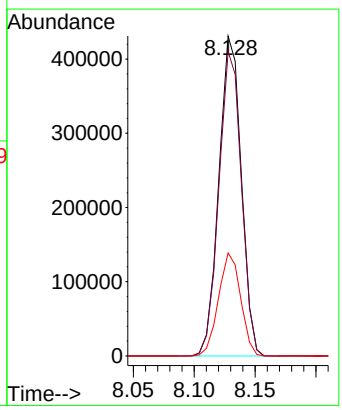
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

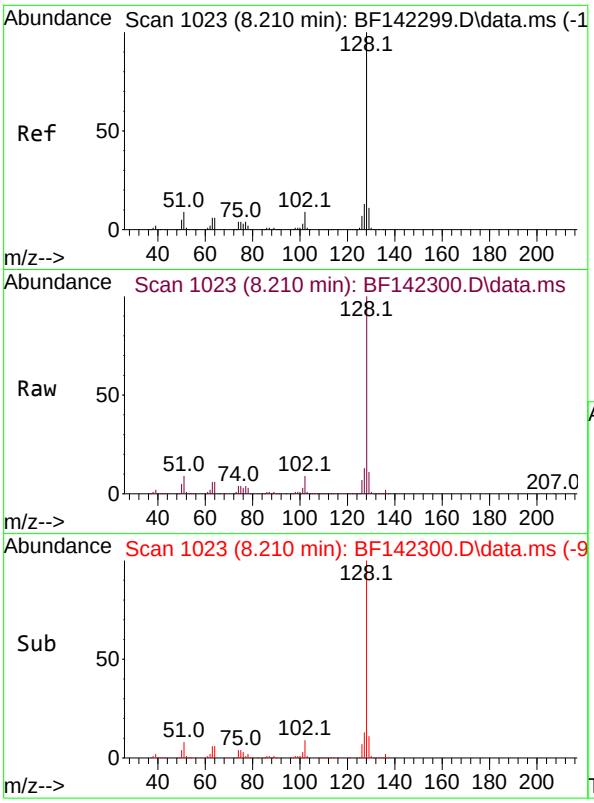


#30
1,2,4-Trichlorobenzene
Concen: 50.849 ng
RT: 8.128 min Scan# 1009
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:180 Resp: 550979

Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.2	114.4
145	32.2	25.8	38.6

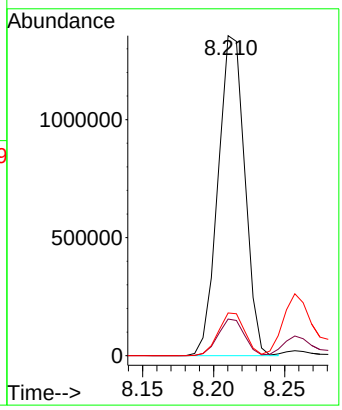




#31
Naphthalene
Concen: 50.454 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:128 Resp: 177388

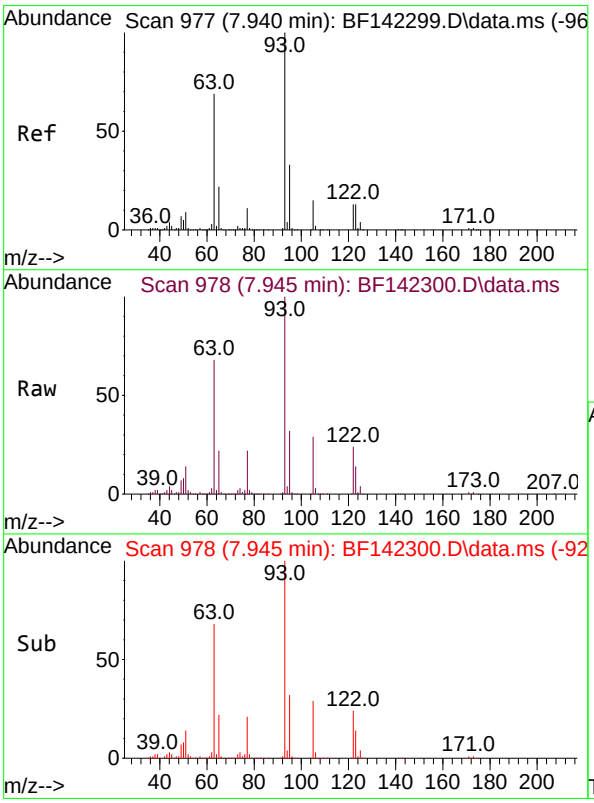
Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.1	13.7
127	13.3	10.5	15.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

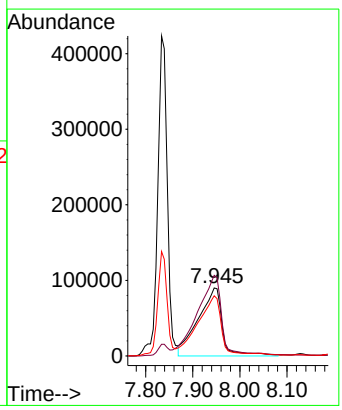
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

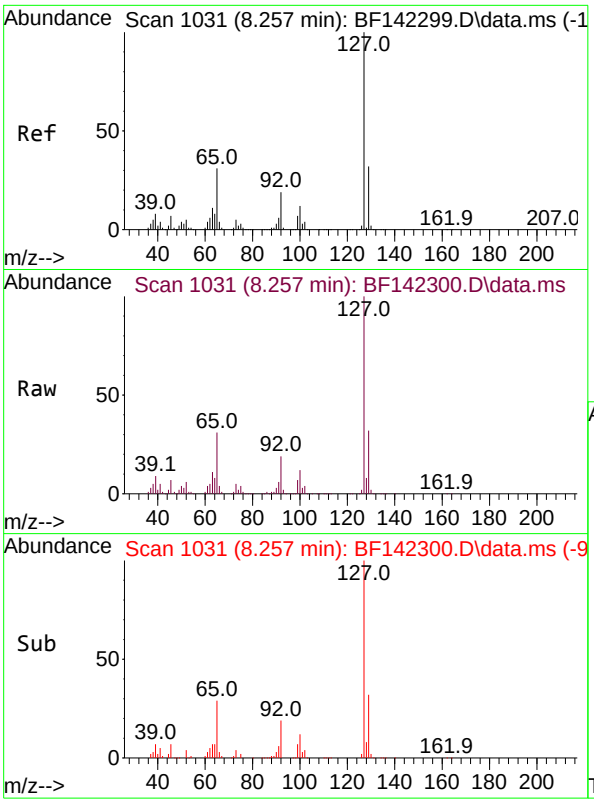


#32
Benzoic acid
Concen: 51.963 ng m
RT: 7.945 min Scan# 978
Delta R.T. 0.005 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:122 Resp: 322603

Ion	Ratio	Lower	Upper
122	100		
105	118.6	97.9	137.9
77	88.5	67.7	107.7

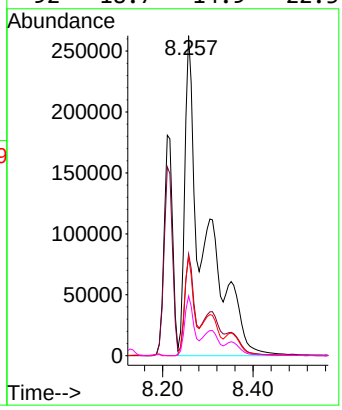




#33
4-Chloroaniline
Concen: 55.118 ng m
RT: 8.257 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:127 Resp: 78932

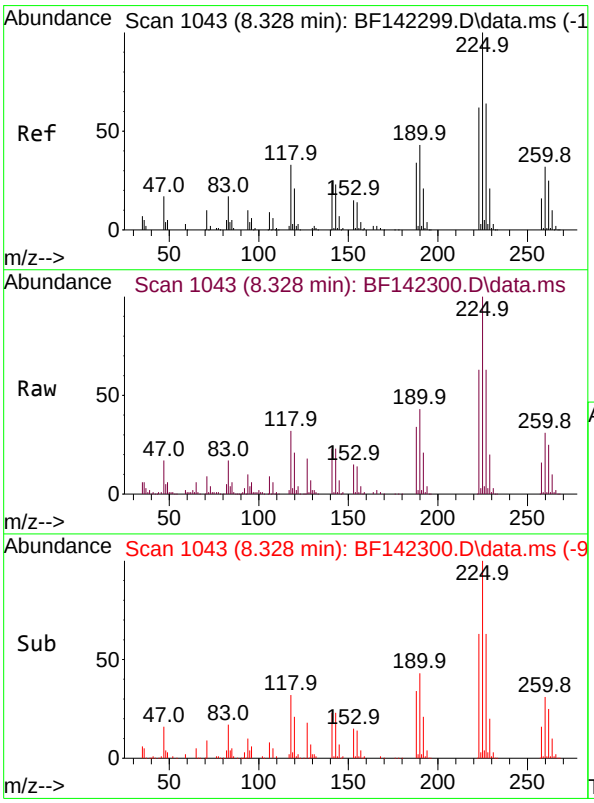
Ion	Ratio	Lower	Upper
127	100		
129	31.8	25.7	38.5
65	30.9	24.9	37.3
92	18.7	14.9	22.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

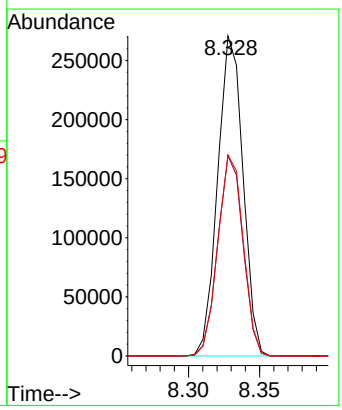
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

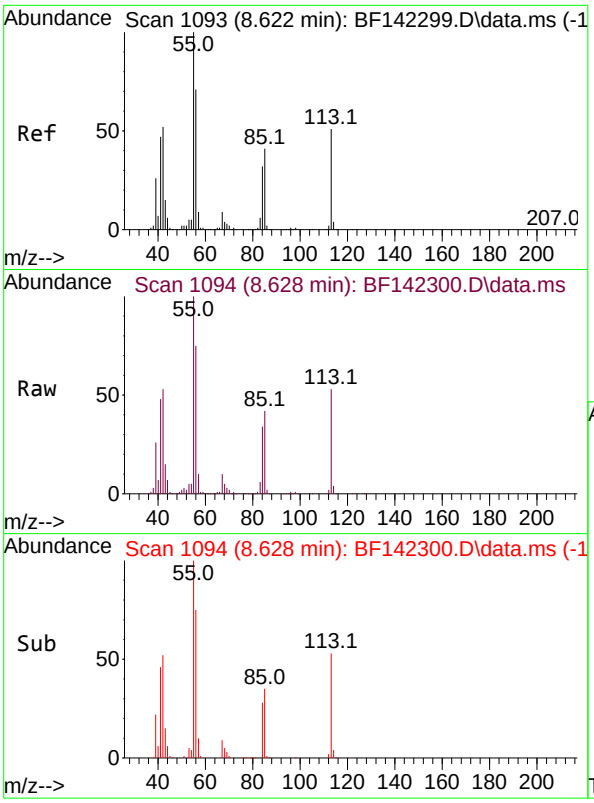


#34
Hexachlorobutadiene
Concen: 52.244 ng
RT: 8.328 min Scan# 1043
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:225 Resp: 335206

Ion	Ratio	Lower	Upper
225	100		
223	62.6	49.8	74.6
227	62.8	50.9	76.3





#35
Caprolactam
Concen: 57.291 ng
RT: 8.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

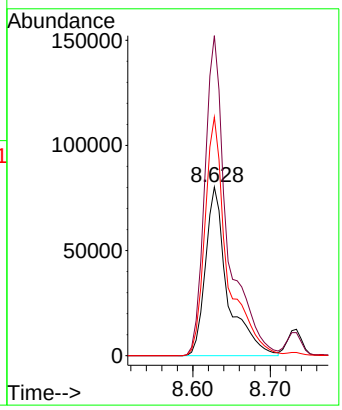
Tgt Ion:113 Resp: 16042

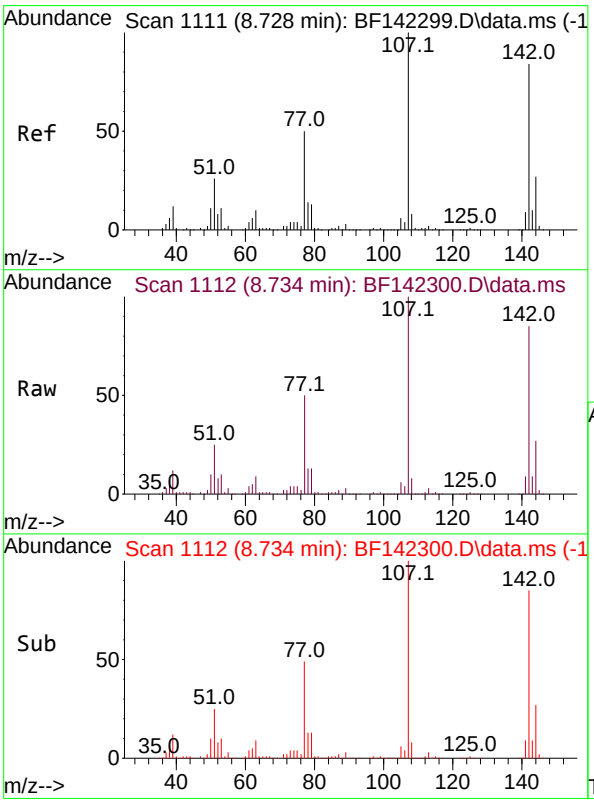
Ion	Ratio	Lower	Upper
113	100		
55	189.7	176.4	216.4
56	141.4	120.3	160.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

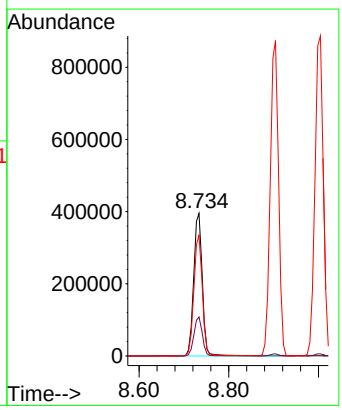


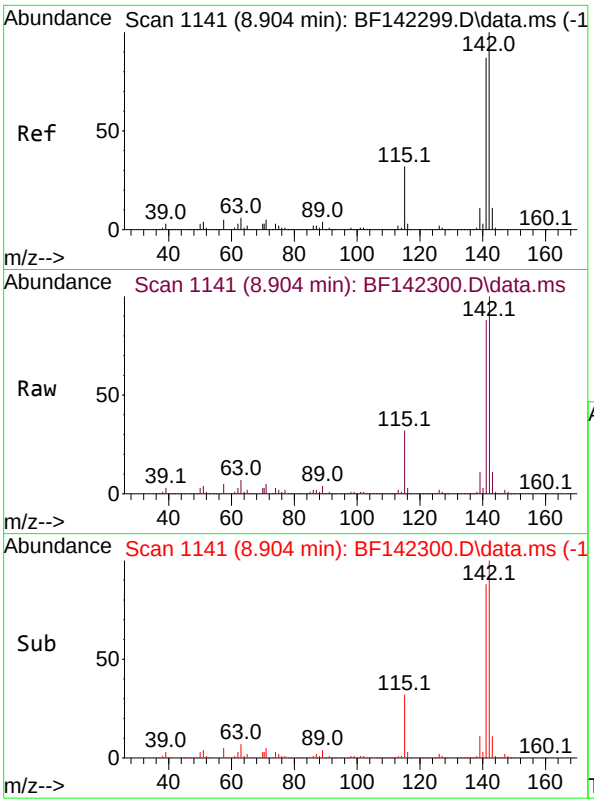


#36
4-Chloro-3-methylphenol
Concen: 52.584 ng
RT: 8.734 min Scan# 1112
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:107 Resp: 526289

Ion	Ratio	Lower	Upper
107	100		
144	27.4	21.3	31.9
142	84.6	66.9	100.3





#37
2-Methylnaphthalene
Concen: 51.036 ng
RT: 8.904 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

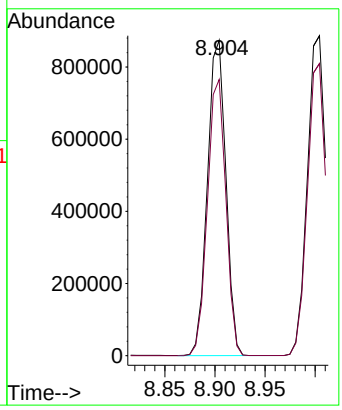
Tgt Ion:142 Resp: 111498

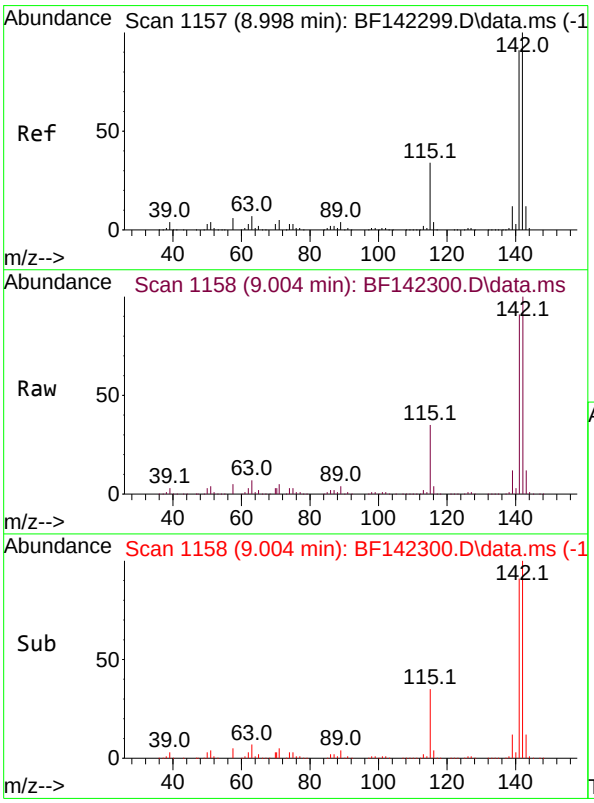
Ion	Ratio	Lower	Upper
142	100		
141	87.6	69.4	104.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

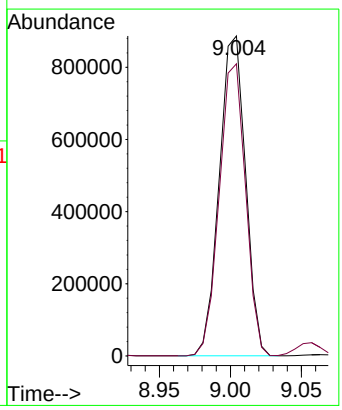


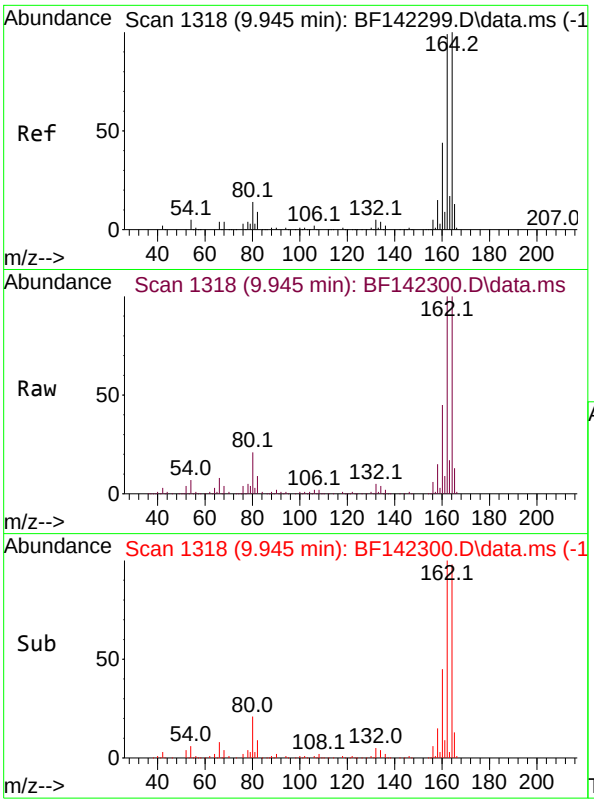


#38
1-Methylnaphthalene
Concen: 50.158 ng
RT: 9.004 min Scan# 1158
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:142 Resp: 1142120

Ion	Ratio	Lower	Upper
142	100		
141	91.3	72.5	108.7

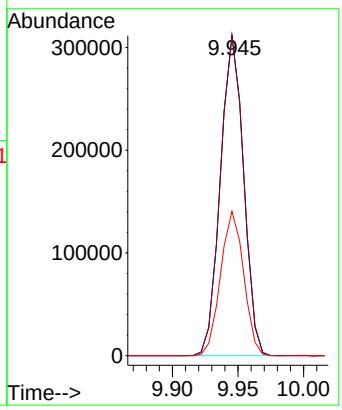




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:164 Resp: 38158

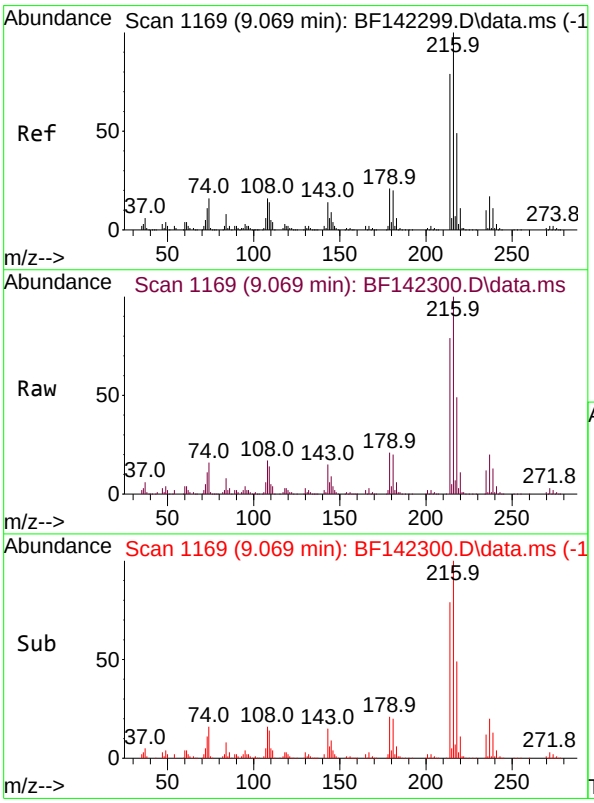
Ion	Ratio	Lower	Upper
164	100		
162	100.0	79.2	118.8
160	45.1	35.3	52.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

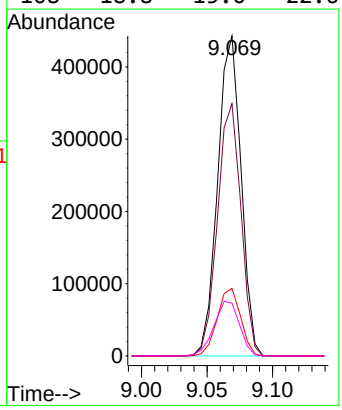
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

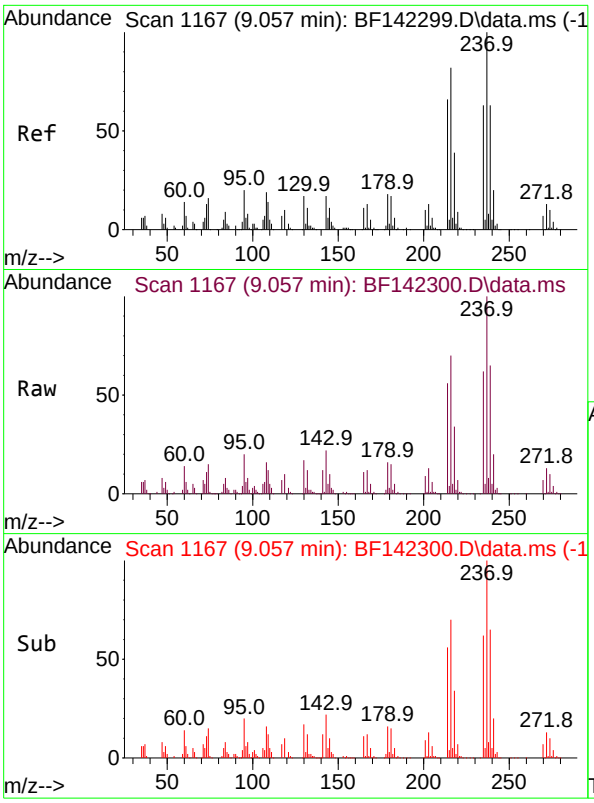


#40
1,2,4,5-Tetrachlorobenzene
Concen: 51.375 ng
RT: 9.069 min Scan# 1169
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:216 Resp: 547513

Ion	Ratio	Lower	Upper
216	100		
214	79.2	63.8	95.6
179	21.2	17.0	25.6
108	18.8	15.0	22.6





#41
Hexachlorocyclopentadiene
Concen: 56.140 ng
RT: 9.057 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

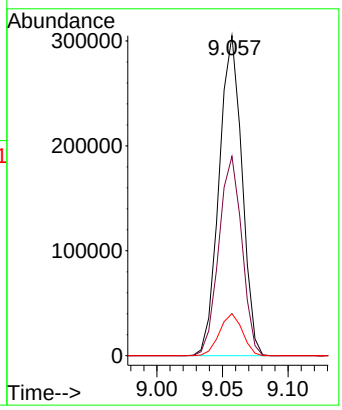
Tgt Ion:237 Resp: 36976

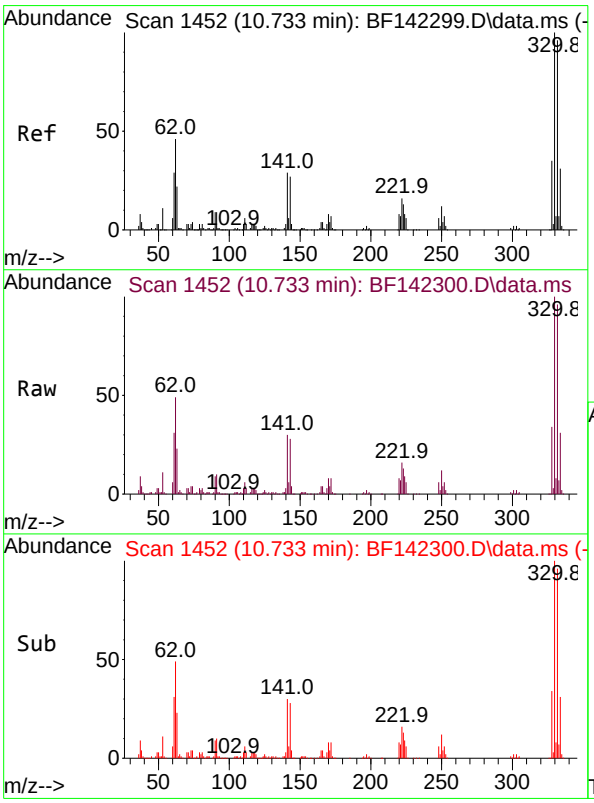
Ion	Ratio	Lower	Upper
237	100		
235	62.3	42.8	82.8
272	13.2	0.0	33.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

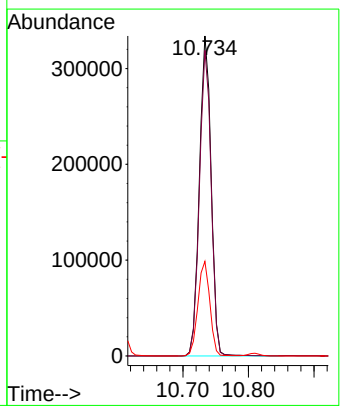


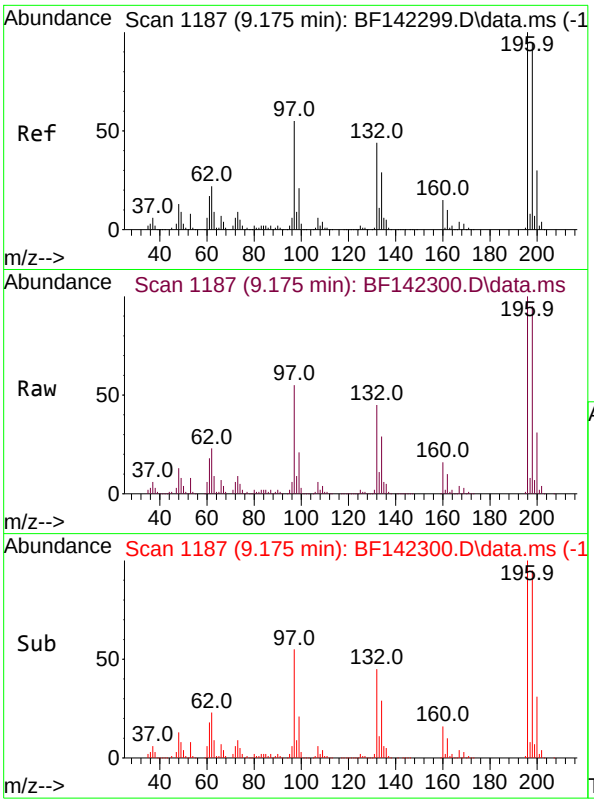


#42
2,4,6-Tribromophenol
Concen: 113.025 ng
RT: 10.733 min Scan# 1452
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:330 Resp: 416395

Ion	Ratio	Lower	Upper
330	100		
332	95.5	76.8	115.2
141	30.1	24.9	37.3

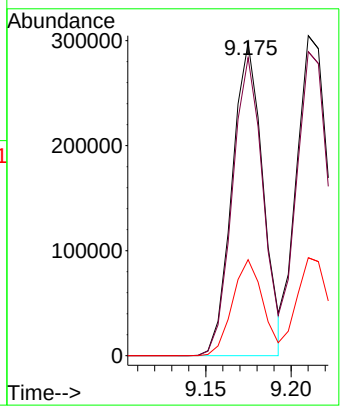




#43
2,4,6-Trichlorophenol
Concen: 55.803 ng
RT: 9.175 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:196 Resp: 37512

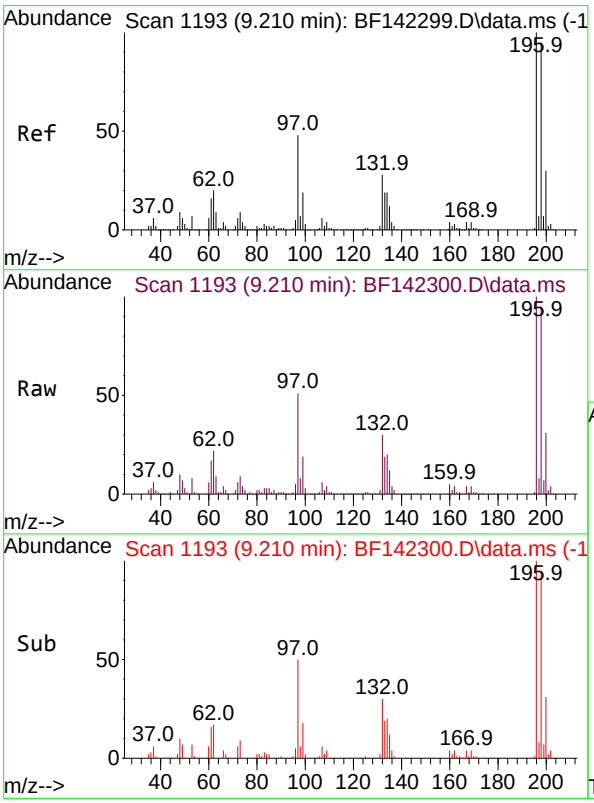
Ion	Ratio	Lower	Upper
196	100		
198	95.2	75.4	113.0
200	30.7	24.3	36.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

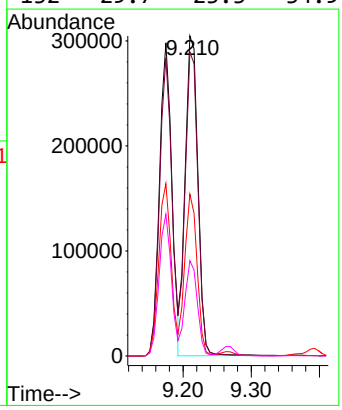
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

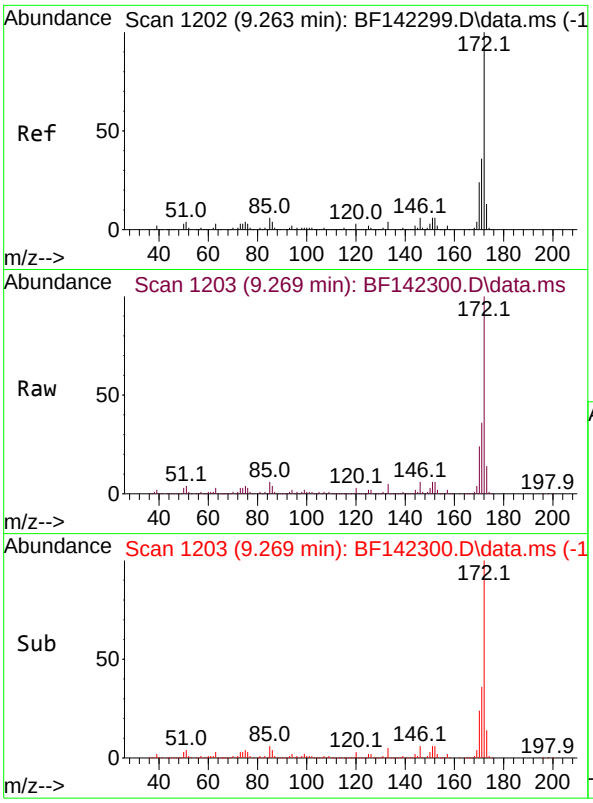


#44
2,4,5-Trichlorophenol
Concen: 55.134 ng
RT: 9.210 min Scan# 1193
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:196 Resp: 394344

Ion	Ratio	Lower	Upper
196	100		
198	95.0	76.1	114.1
97	50.5	39.0	58.4
132	29.7	23.3	34.9

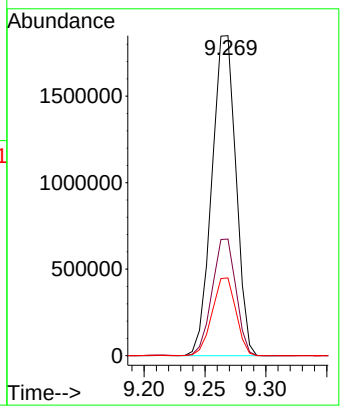




#45
2-Fluorobiphenyl
Concen: 95.292 ng
RT: 9.269 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:172 Resp: 255013

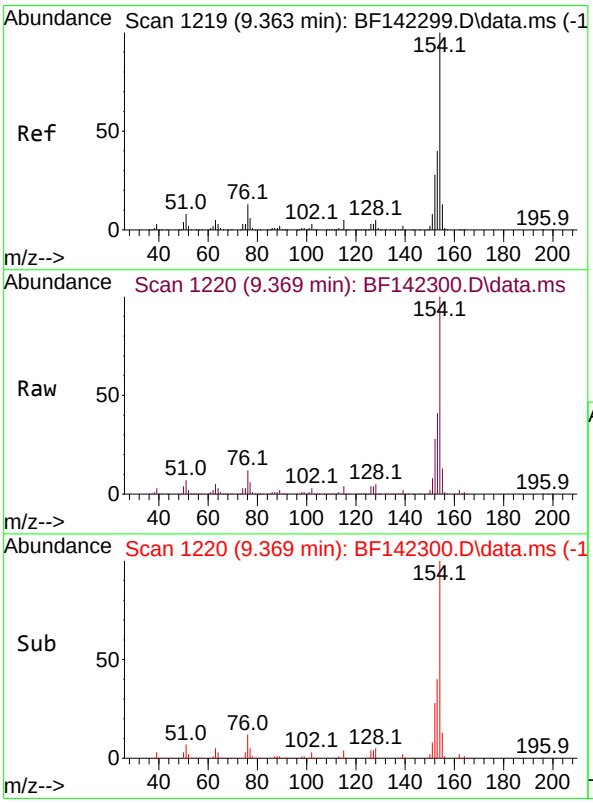
Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.6	42.8
170	24.3	19.0	28.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

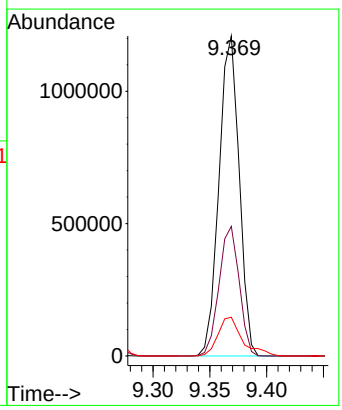
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

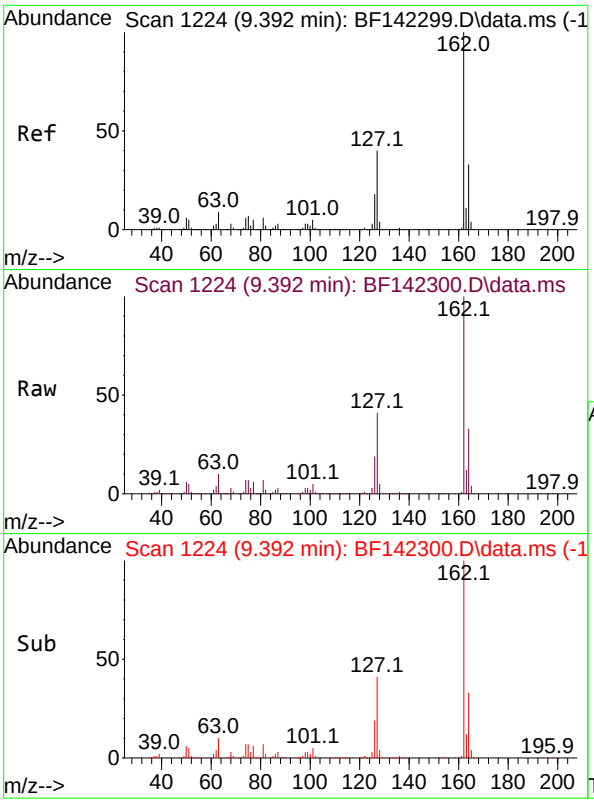


#46
1,1'-Biphenyl
Concen: 51.084 ng
RT: 9.369 min Scan# 1220
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:154 Resp: 1494596

Ion	Ratio	Lower	Upper
154	100		
153	40.5	20.5	60.5
76	12.1	0.0	32.8

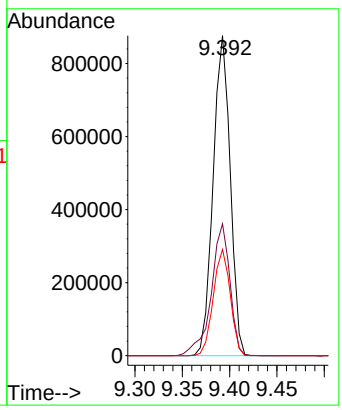




#47
2-Chloronaphthalene
Concen: 50.645 ng
RT: 9.392 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:162 Resp: 110193

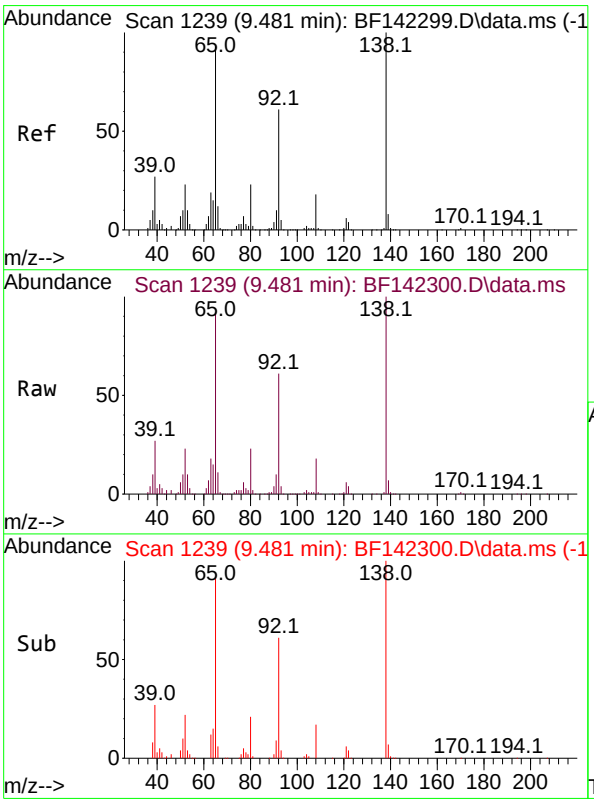
Ion	Ratio	Lower	Upper
162	100		
127	41.2	32.3	48.5
164	33.2	26.6	40.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

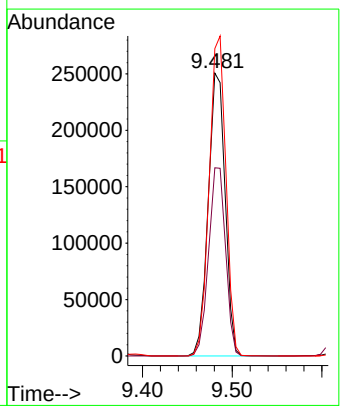
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

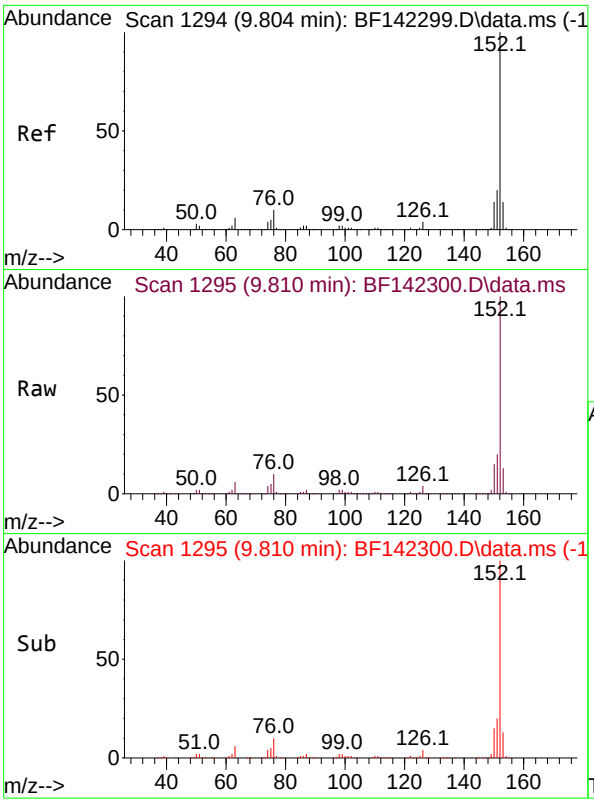


#48
2-Nitroaniline
Concen: 58.781 ng
RT: 9.481 min Scan# 1239
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion: 65 Resp: 327821

Ion	Ratio	Lower	Upper
65	100		
92	66.6	52.3	78.5
138	108.7	85.6	128.4





#49
Acenaphthylene
Concen: 51.328 ng
RT: 9.810 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

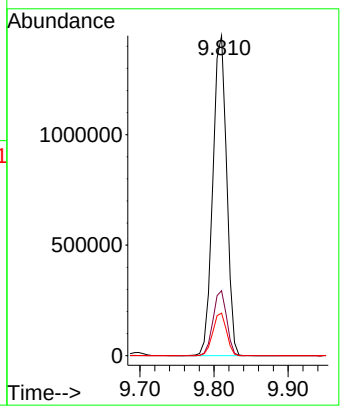
Tgt Ion:152 Resp: 186826

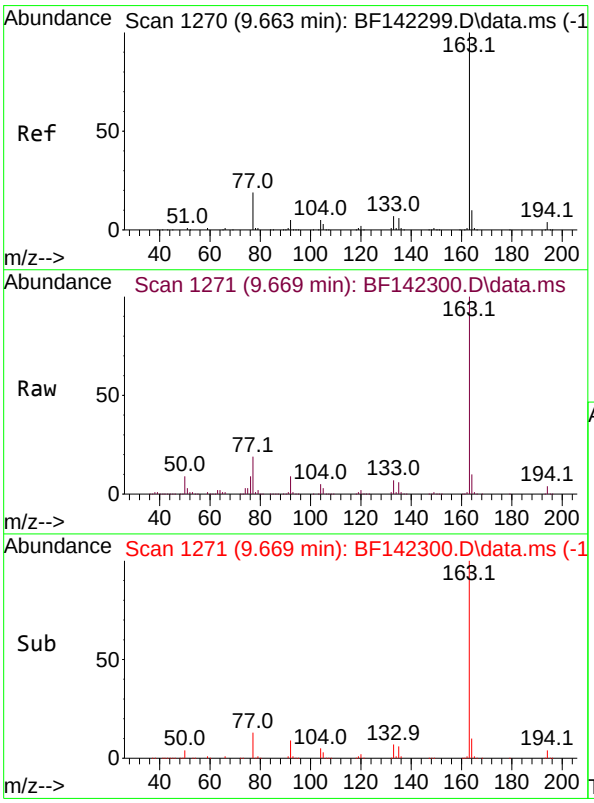
Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.0	24.0
153	13.3	10.8	16.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

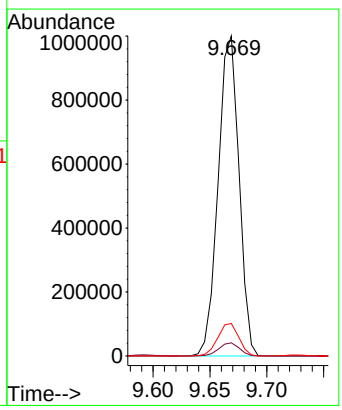


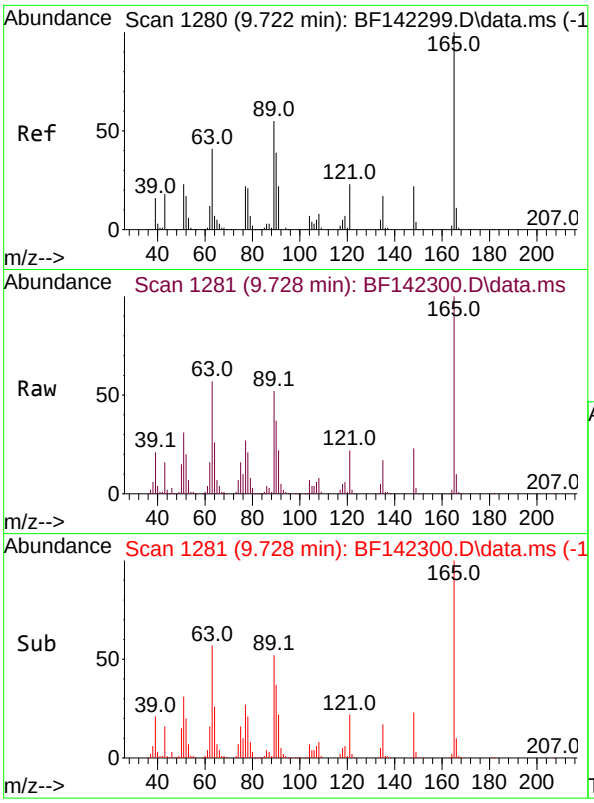


#50
Dimethylphthalate
Concen: 52.252 ng
RT: 9.669 min Scan# 1271
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:163 Resp: 1280292

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.2	4.8
164	10.2	8.3	12.5

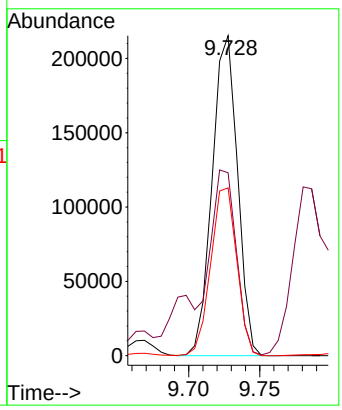




#51
2,6-Dinitrotoluene
Concen: 58.331 ng
RT: 9.728 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:165 Resp: 26753

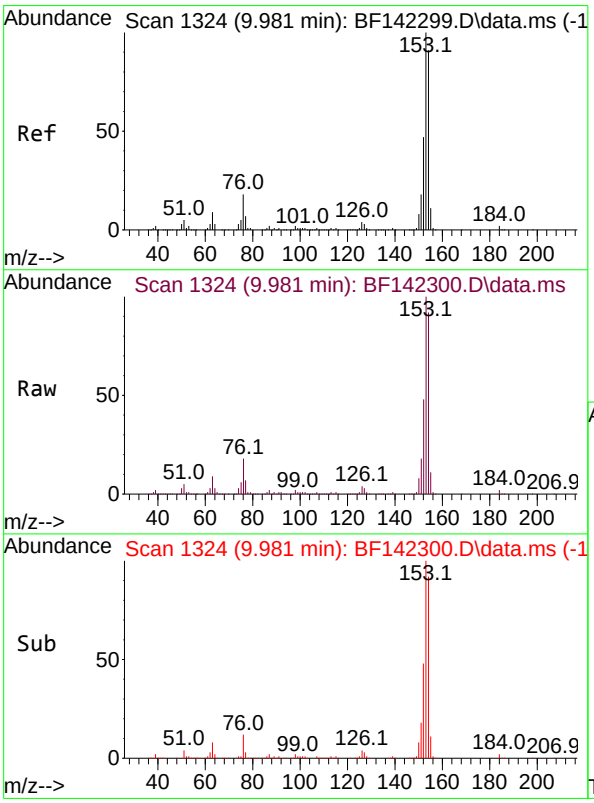
Ion	Ratio	Lower	Upper
165	100		
63	57.1	49.5	74.3
89	52.4	44.6	66.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

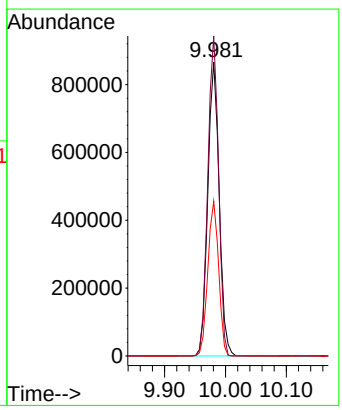
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

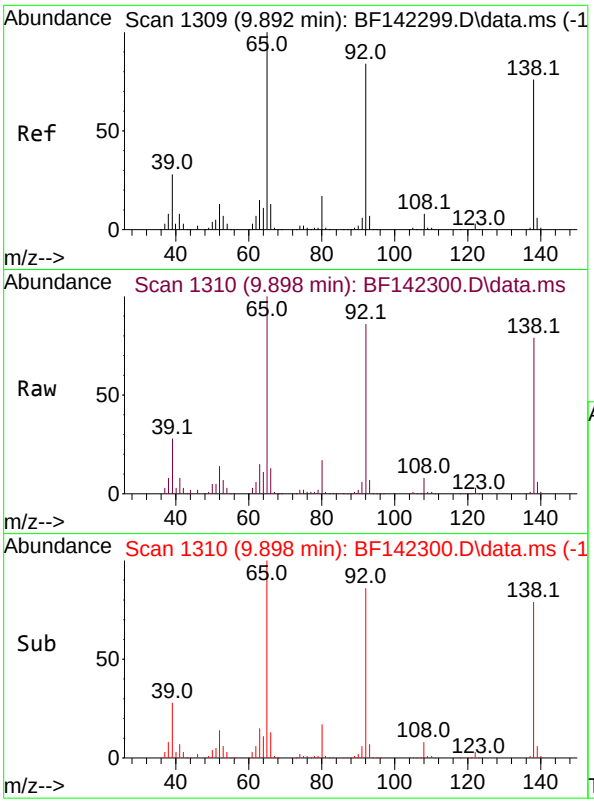


#52
Acenaphthene
Concen: 51.436 ng
RT: 9.981 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:154 Resp: 1125706

Ion	Ratio	Lower	Upper
154	100		
153	108.9	88.0	132.0
152	52.6	41.6	62.4





#53
3-Nitroaniline
Concen: 58.354 ng
RT: 9.898 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

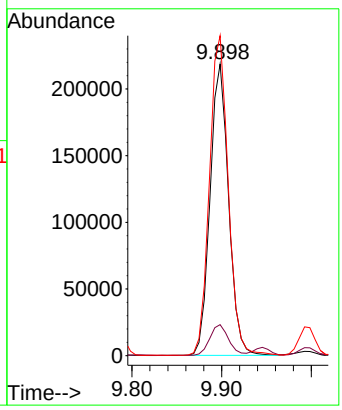
Tgt Ion:138 Resp: 31388

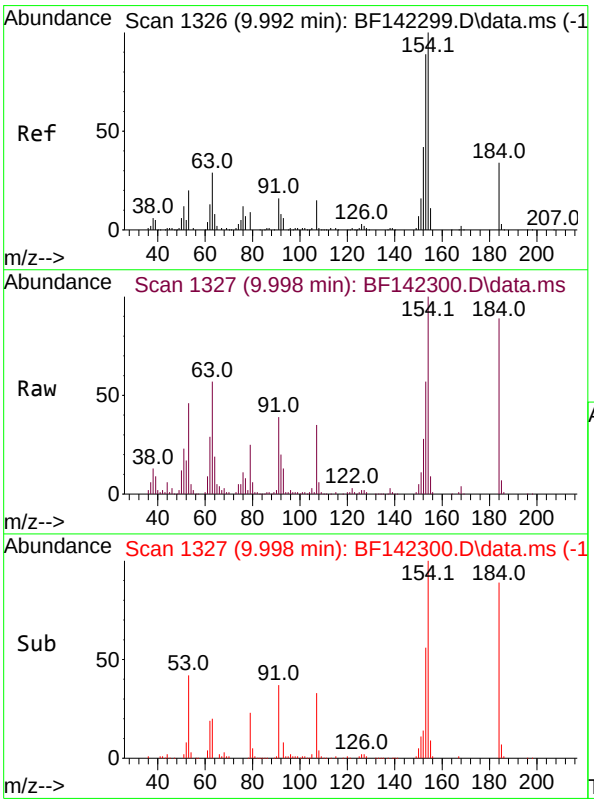
Ion	Ratio	Lower	Upper
138	100		
108	10.7	8.7	13.1
92	109.7	89.5	134.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

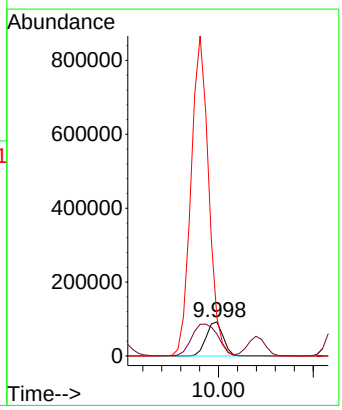


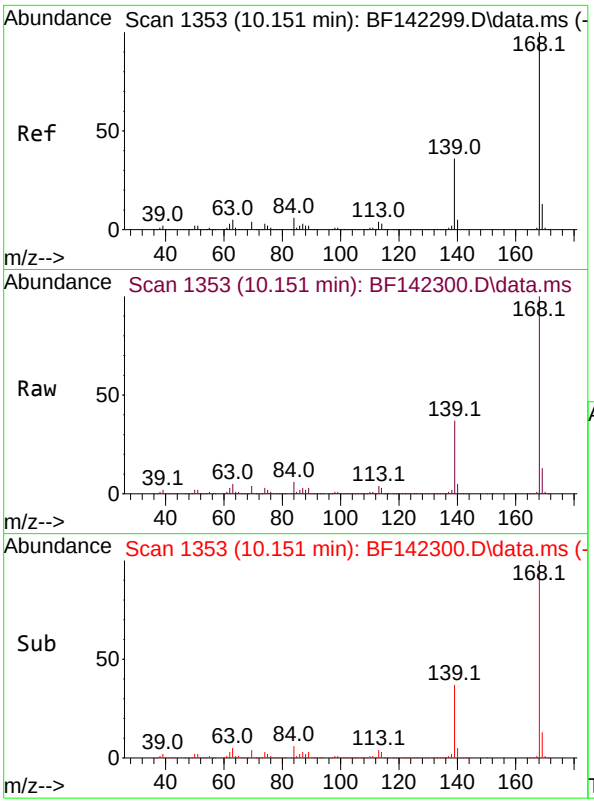


#54
2,4-Dinitrophenol
Concen: 50.908 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:184 Resp: 114759

Ion	Ratio	Lower	Upper
184	100		
63	64.7	70.6	105.8#
154	112.5	257.2	385.8#

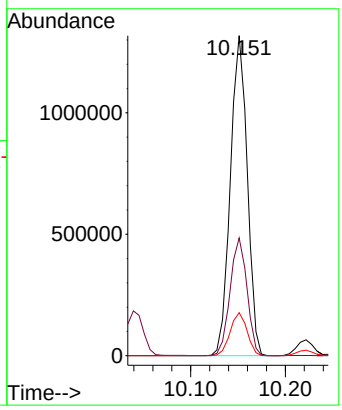




#55
Dibenzofuran
Concen: 50.542 ng
RT: 10.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:168 Resp: 163249

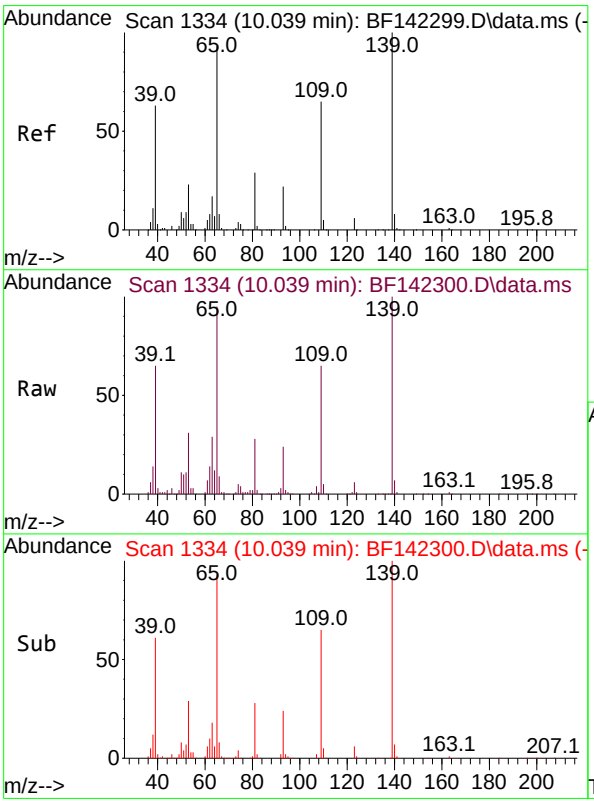
Ion	Ratio	Lower	Upper
168	100		
139	36.8	29.0	43.4
169	13.5	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

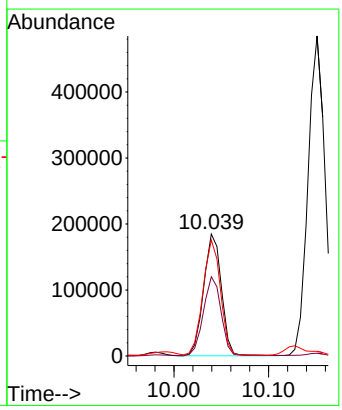
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

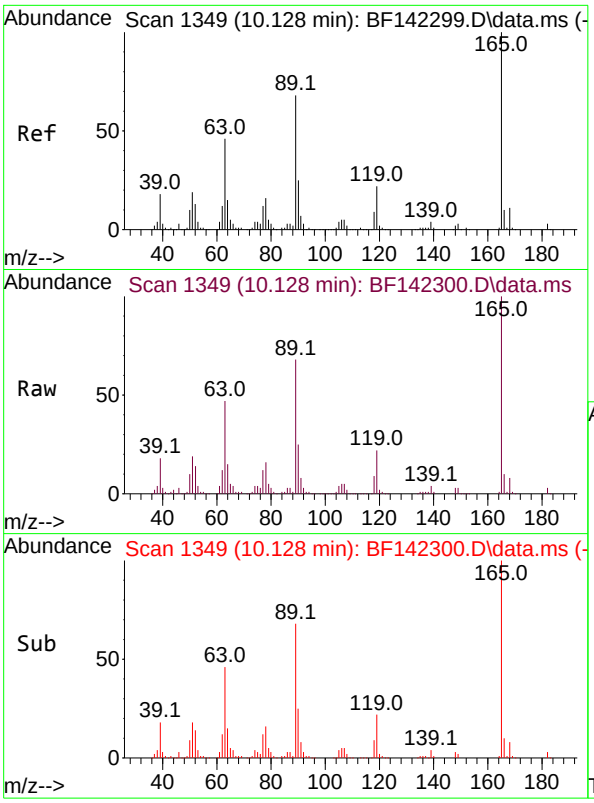


#56
4-Nitrophenol
Concen: 59.524 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:139 Resp: 240972

Ion	Ratio	Lower	Upper
139	100		
109	64.9	45.3	85.3
65	95.0	73.9	113.9

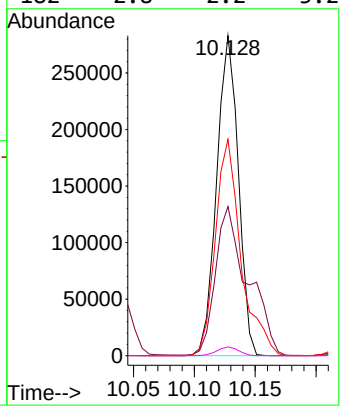




#57
2,4-Dinitrotoluene
Concen: 59.620 ng
RT: 10.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:165 Resp: 35074

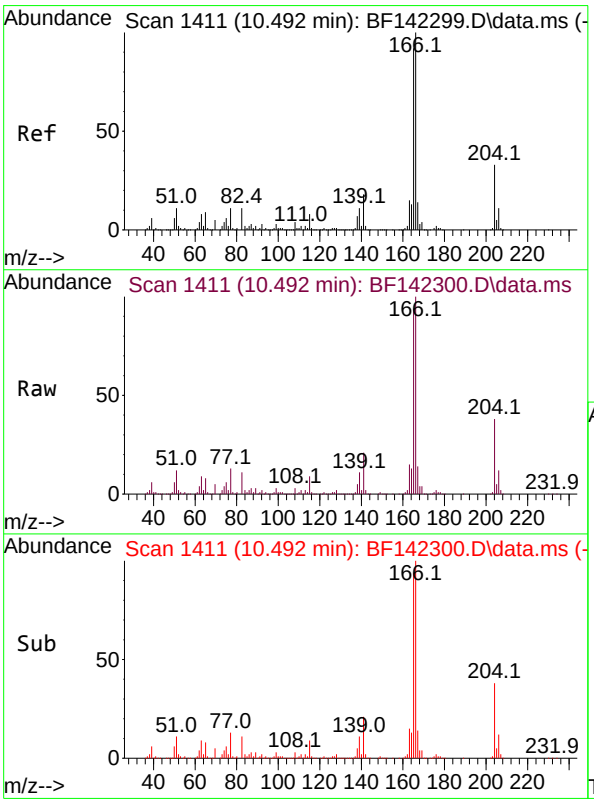
Ion	Ratio	Lower	Upper
165	100		
63	46.6	37.1	55.7
89	67.6	54.4	81.6
182	2.8	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

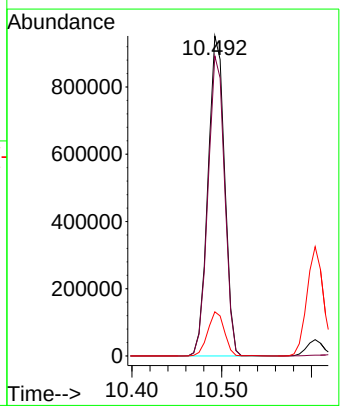
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

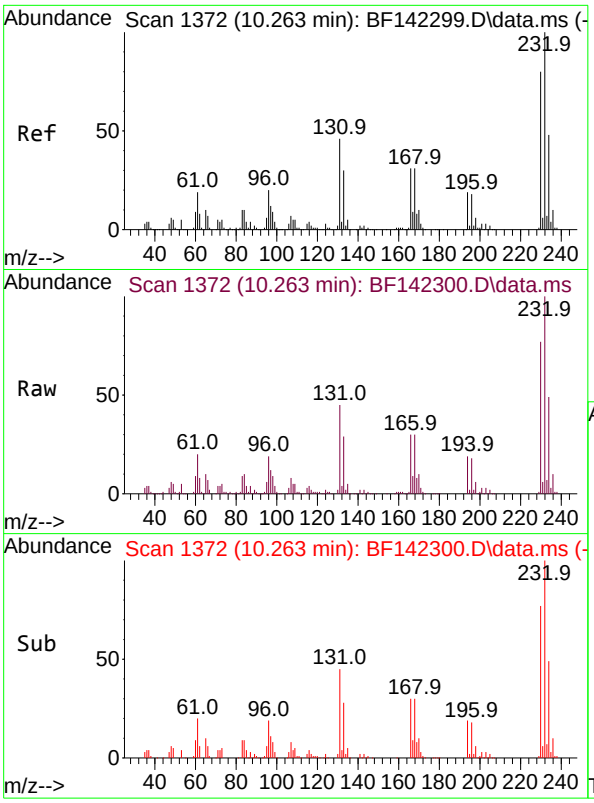


#58
Fluorene
Concen: 49.671 ng
RT: 10.492 min Scan# 1411
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:166 Resp: 1224371

Ion	Ratio	Lower	Upper
166	100		
165	93.8	74.0	111.0
167	13.8	10.9	16.3

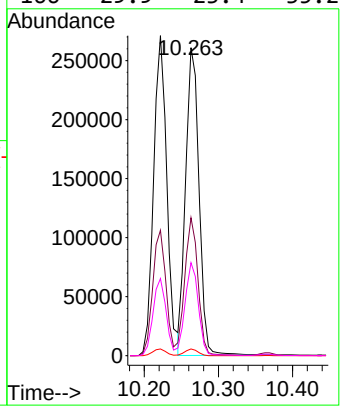




#59
2,3,4,6-Tetrachlorophenol
Concen: 55.542 ng
RT: 10.263 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:232 Resp: 32794

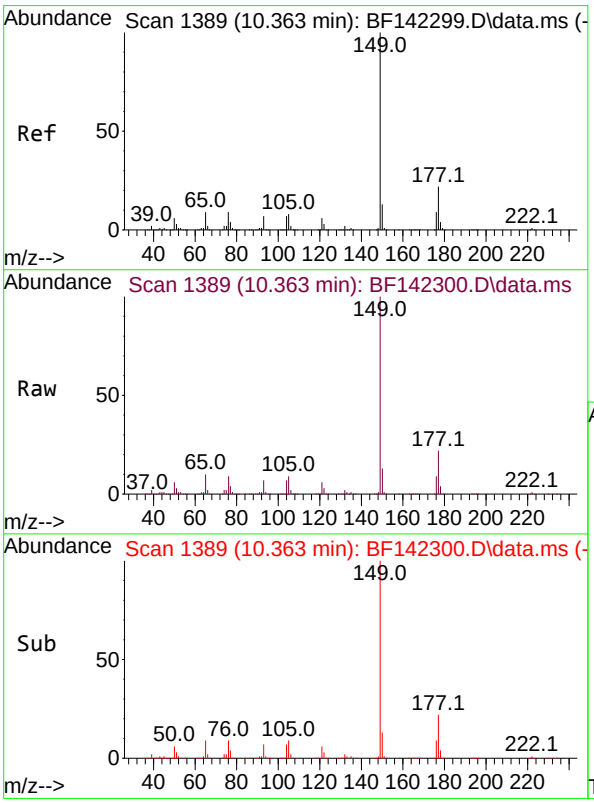
Ion	Ratio	Lower	Upper
232	100		
131	44.3	36.0	54.0
130	2.2	1.8	2.6
166	29.9	23.4	35.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

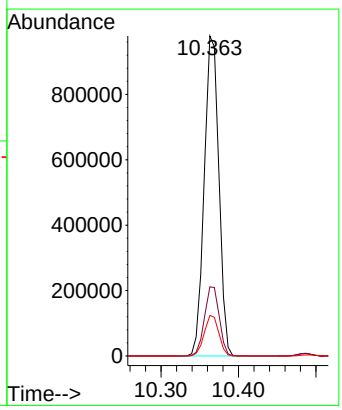
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

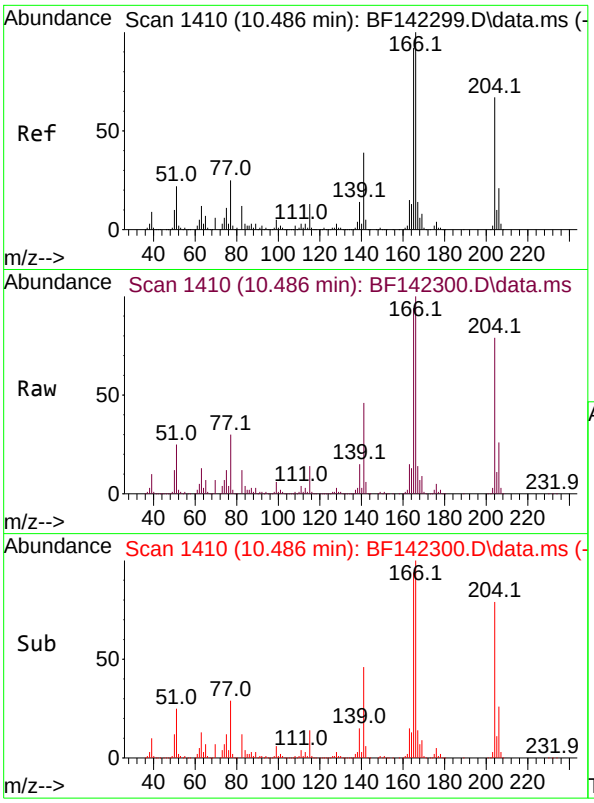


#60
Diethylphthalate
Concen: 52.397 ng
RT: 10.363 min Scan# 1389
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:149 Resp: 1282136

Ion	Ratio	Lower	Upper
149	100		
177	21.6	17.6	26.4
150	12.6	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 51.168 ng
RT: 10.486 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

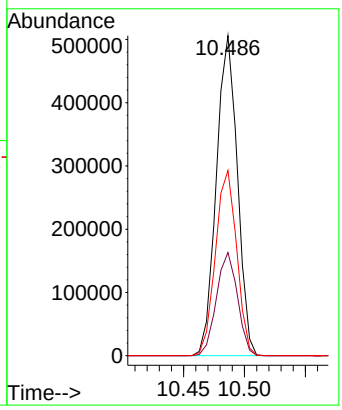
Tgt Ion:204 Resp: 60850

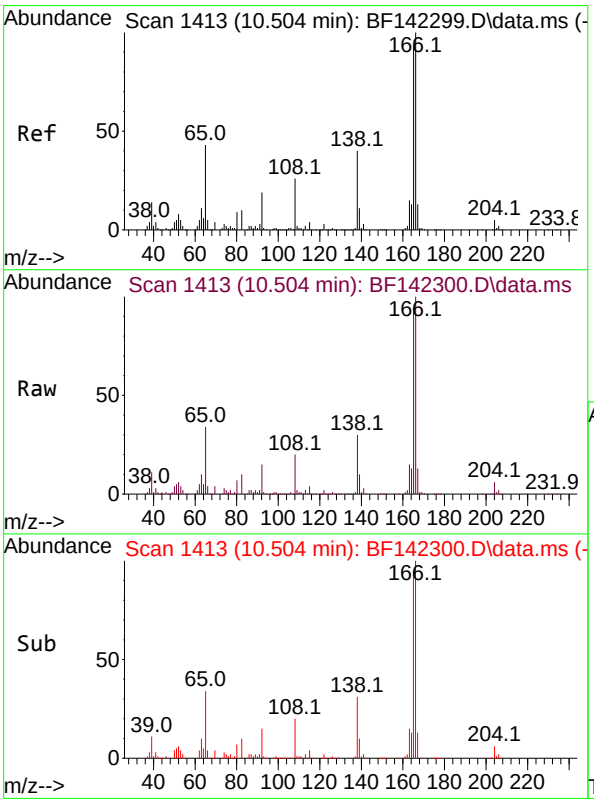
Ion	Ratio	Lower	Upper
204	100		
206	32.3	25.5	38.3
141	57.8	46.4	69.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

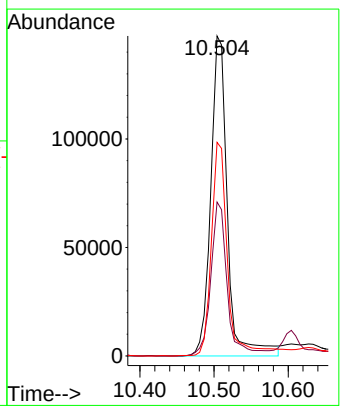


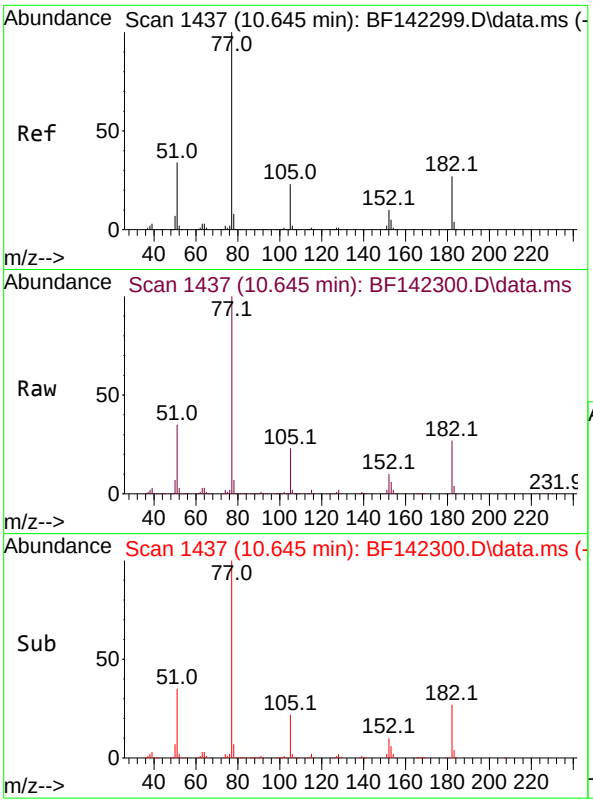


#62
4-Nitroaniline
Concen: 53.785 ng
RT: 10.504 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:138 Resp: 229299

Ion	Ratio	Lower	Upper
138	100		
92	48.1	27.3	67.3
108	66.8	45.1	85.1

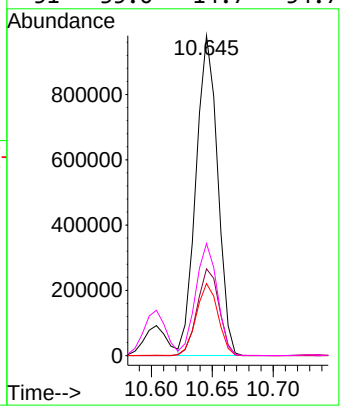




#63
Azobenzene
Concen: 51.833 ng
RT: 10.645 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion: 77 Resp: 121197

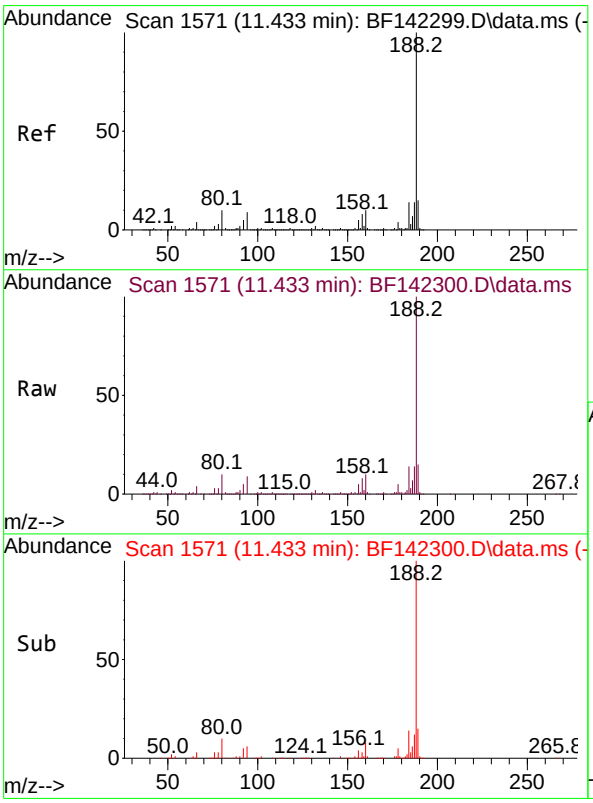
Ion	Ratio	Lower	Upper
77	100		
182	27.1	6.9	46.9
105	22.5	2.7	42.7
51	35.0	14.7	54.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

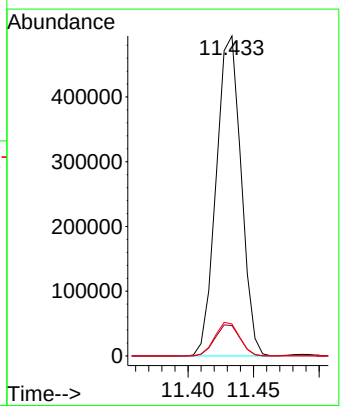
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

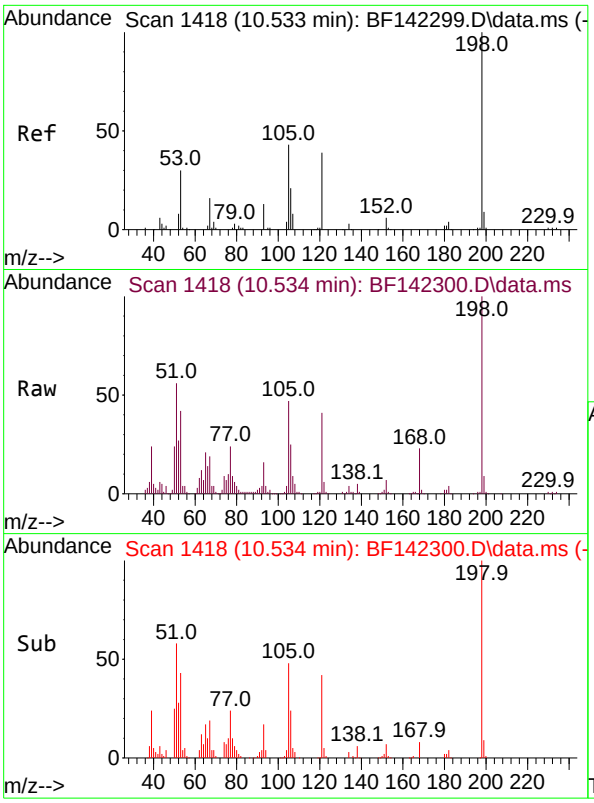


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1571
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:188 Resp: 653321

Ion	Ratio	Lower	Upper
188	100		
94	9.5	7.5	11.3
80	10.0	7.9	11.9





#65
4,6-Dinitro-2-methylphenol
Concen: 50.269 ng
RT: 10.534 min Scan# 14
Delta R.T. 0.001 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

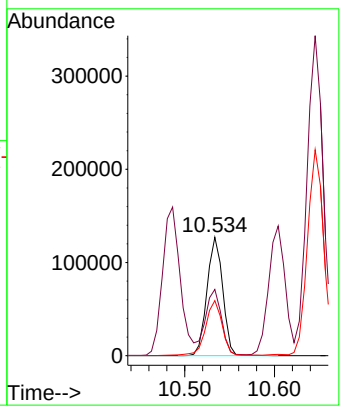
Tgt Ion:198 Resp: 15430

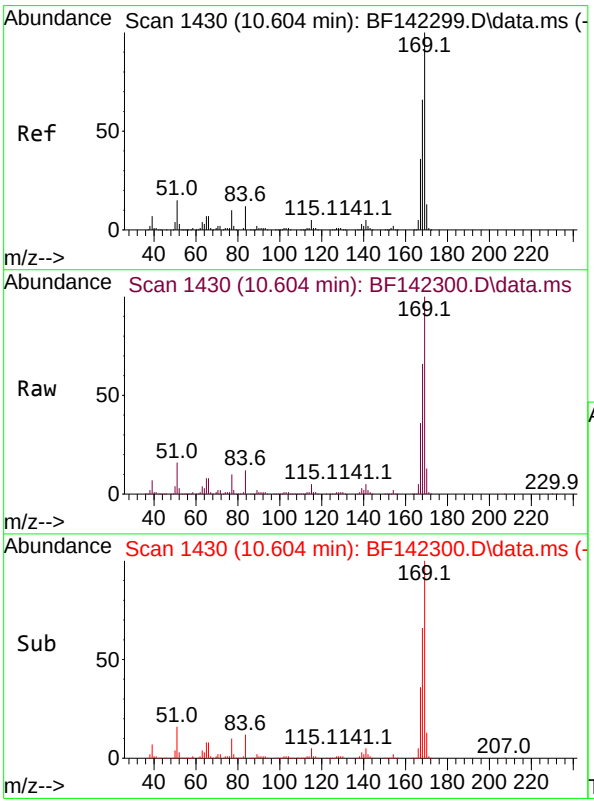
Ion	Ratio	Lower	Upper
198	100		
51	56.0	32.9	72.9
105	46.5	23.7	63.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

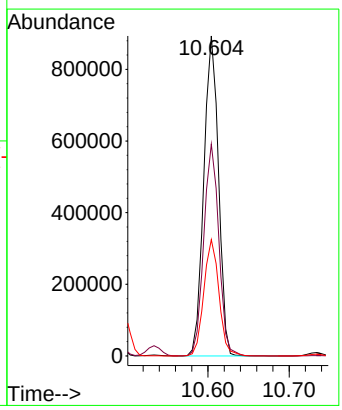


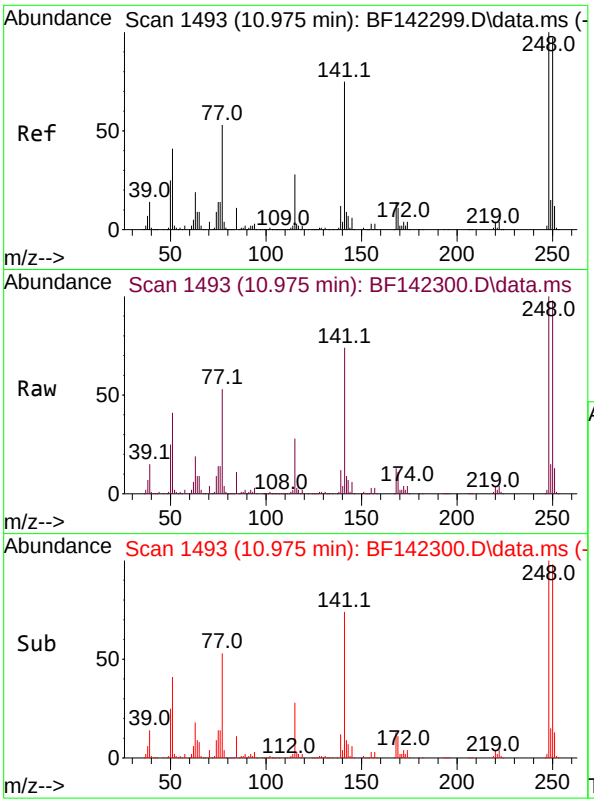


#66
n-Nitrosodiphenylamine
Concen: 51.544 ng
RT: 10.604 min Scan# 1430
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:169 Resp: 1120570

Ion	Ratio	Lower	Upper
169	100		
168	66.2	53.2	79.8
167	36.4	28.9	43.3

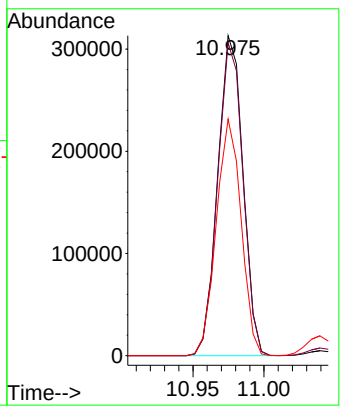




#67
4-Bromophenyl-phenylether
Concen: 52.469 ng
RT: 10.975 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:248 Resp: 38849

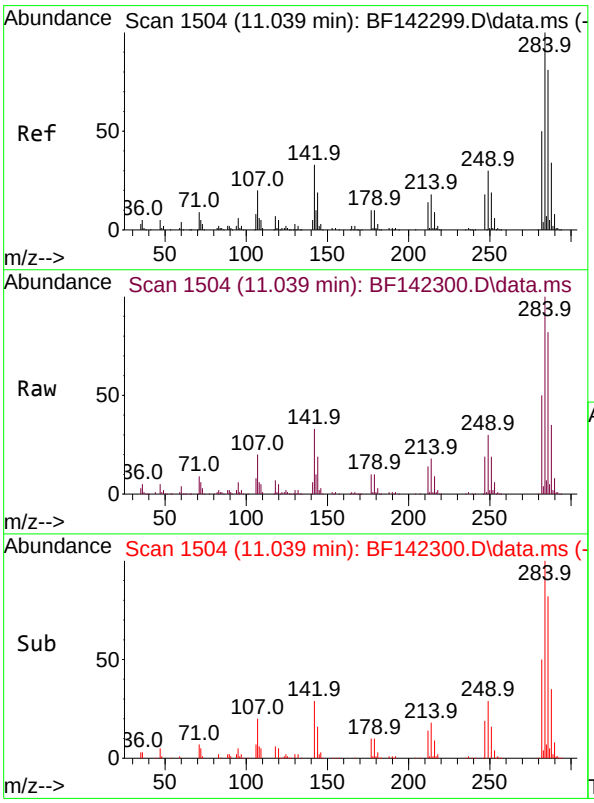
Ion	Ratio	Lower	Upper
248	100		
250	97.8	77.9	116.9
141	73.9	59.8	89.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

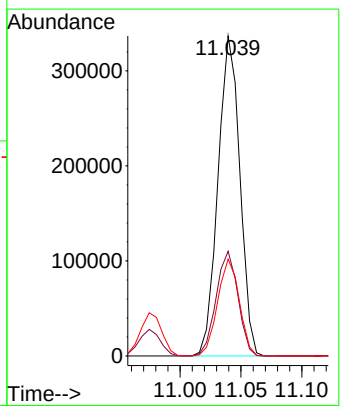
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

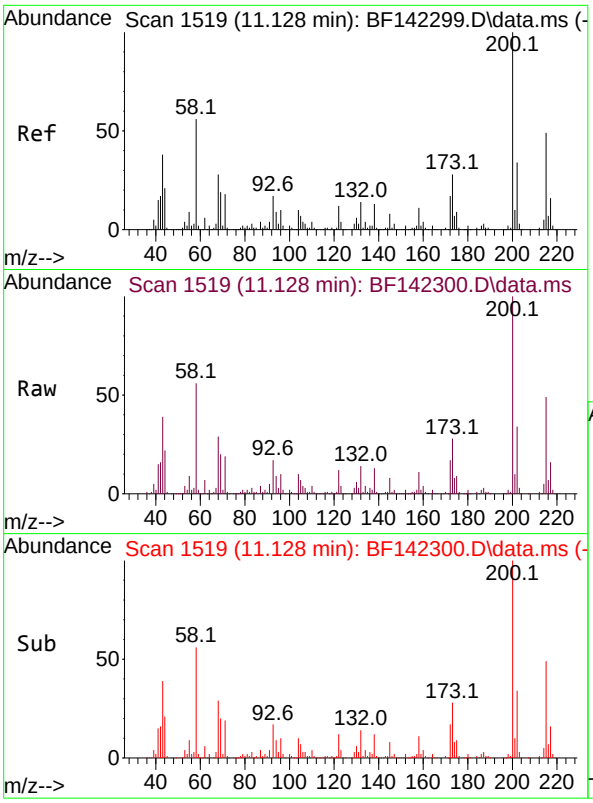


#68
Hexachlorobenzene
Concen: 51.661 ng
RT: 11.039 min Scan# 1504
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:284 Resp: 420761

Ion	Ratio	Lower	Upper
284	100		
142	32.7	26.6	39.8
249	30.2	24.1	36.1

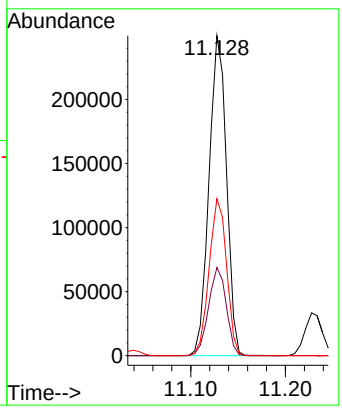




#69
Atrazine
Concen: 55.754 ng
RT: 11.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:200 Resp: 31950

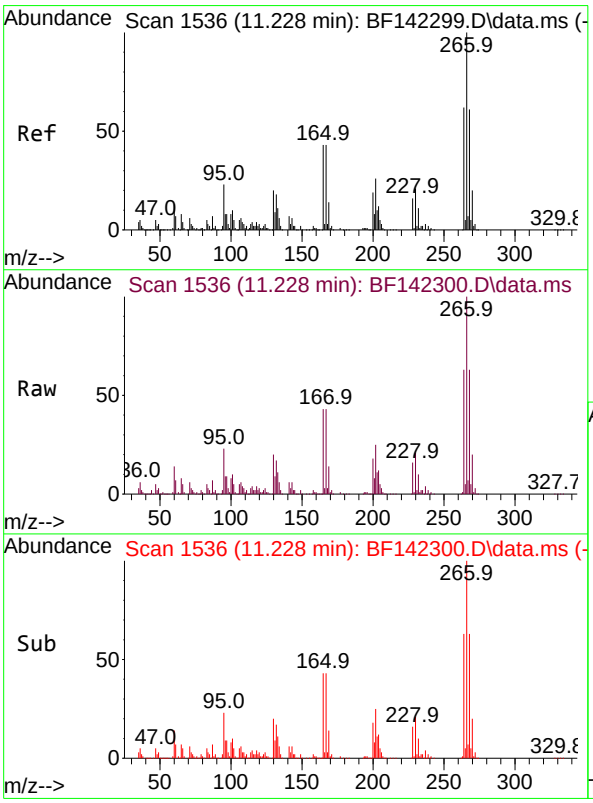
Ion	Ratio	Lower	Upper
200	100		
173	27.5	8.1	48.1
215	49.0	28.8	68.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

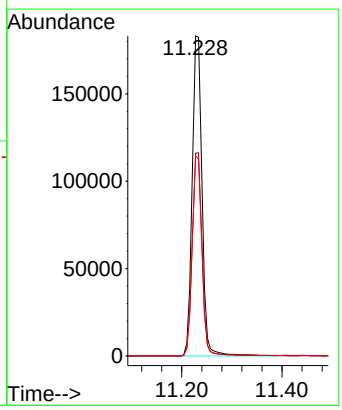
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

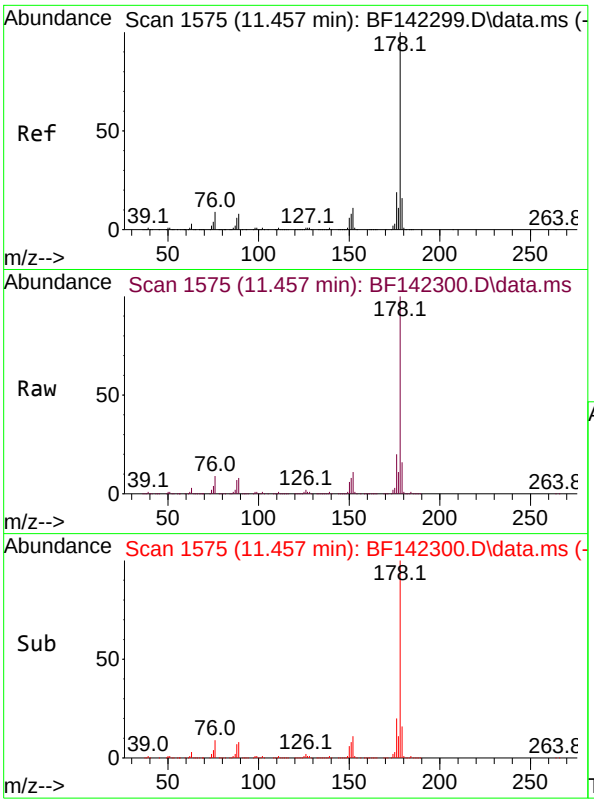


#70
Pentachlorophenol
Concen: 58.166 ng
RT: 11.228 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:266 Resp: 249218

Ion	Ratio	Lower	Upper
266	100		
268	63.4	48.7	73.1
264	62.6	49.8	74.6

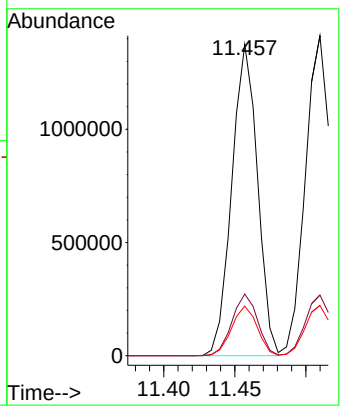




#71
Phenanthrene
Concen: 50.453 ng
RT: 11.457 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:178 Resp: 172779

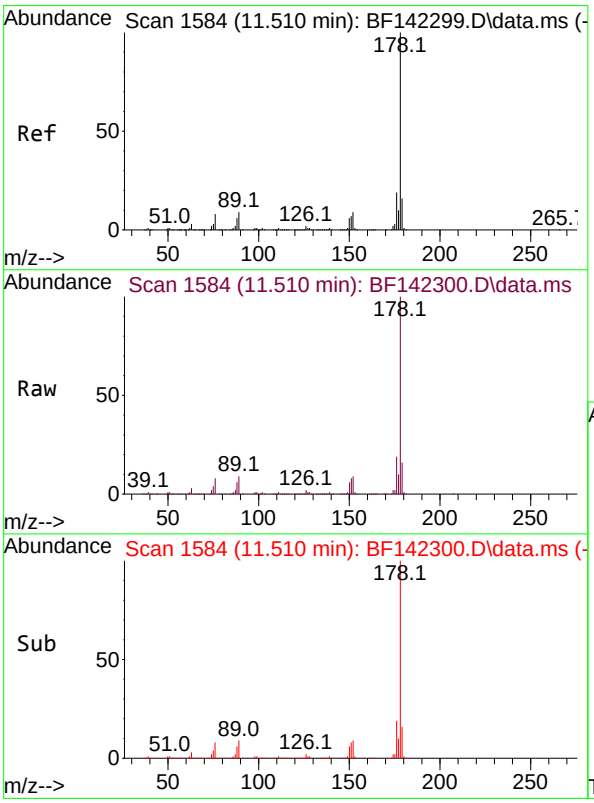
Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.5	23.3
179	15.9	12.6	18.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

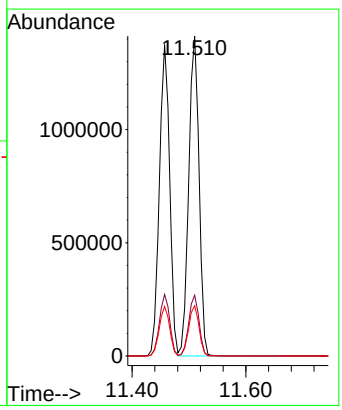
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

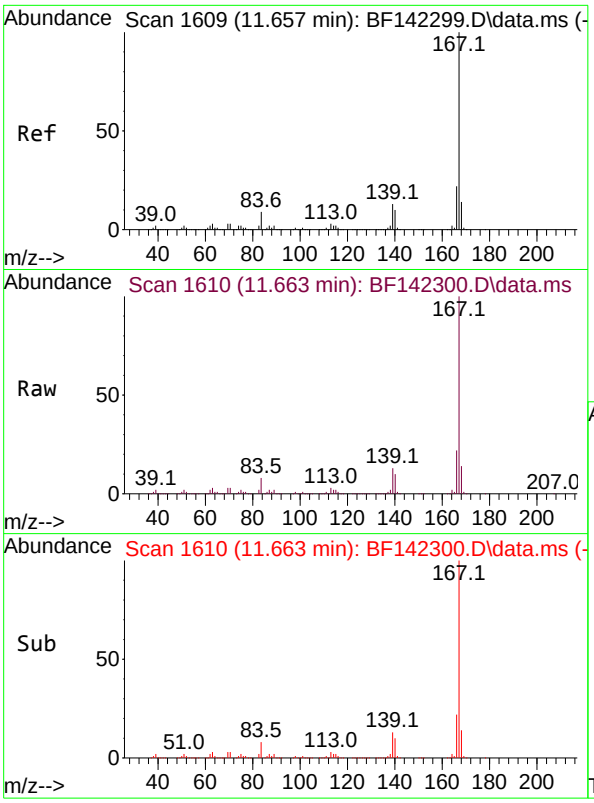


#72
Anthracene
Concen: 50.712 ng
RT: 11.510 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:178 Resp: 1784428

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	15.7	12.6	18.8





#73
Carbazole
Concen: 51.019 ng
RT: 11.663 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

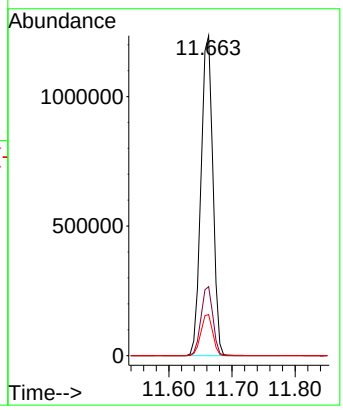
Tgt Ion:167 Resp: 161061

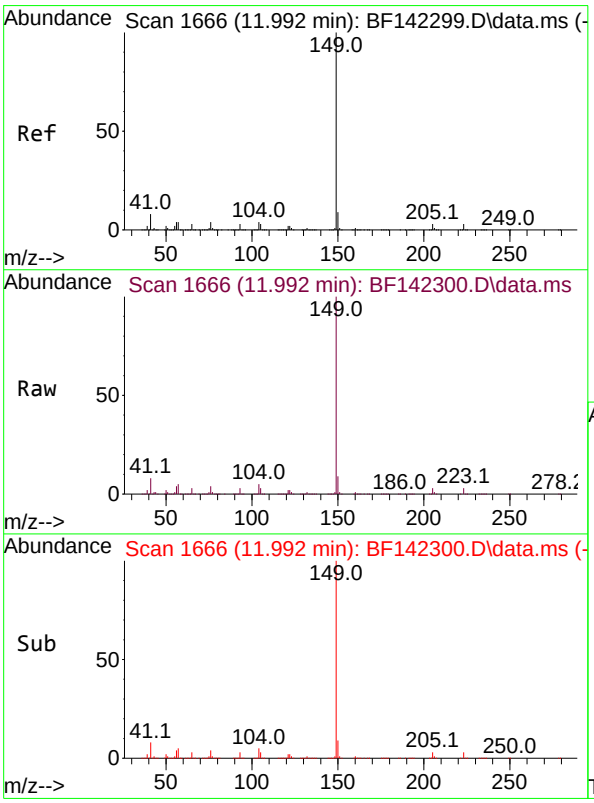
Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.2	25.8
139	12.9	10.3	15.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

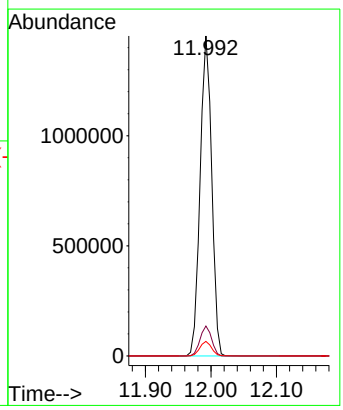


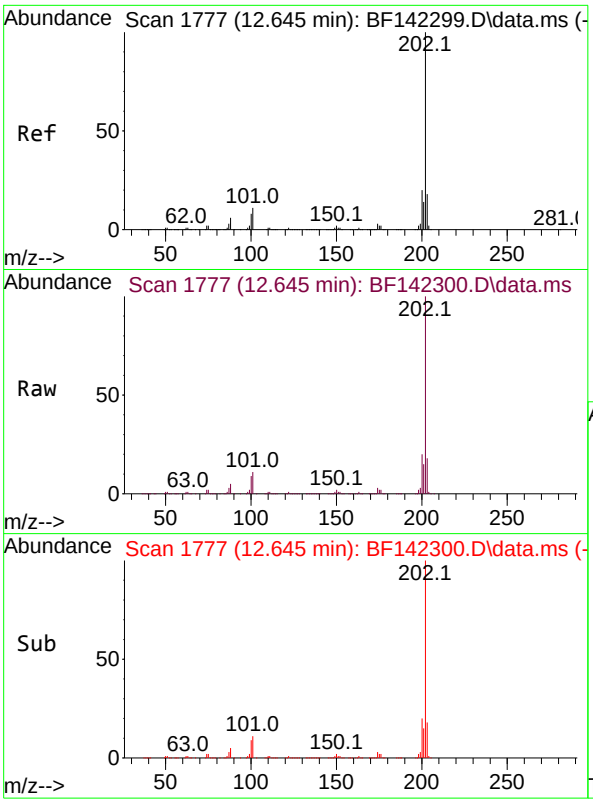


#74
Di-n-butylphthalate
Concen: 53.803 ng
RT: 11.992 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:149 Resp: 1785998

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	4.5	3.6	5.4

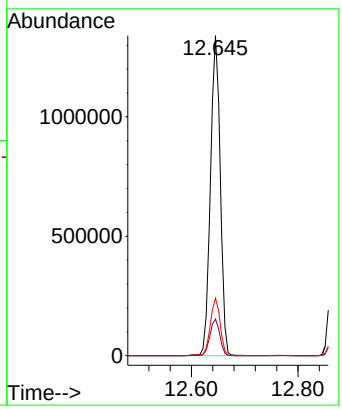




#75
Fluoranthene
Concen: 50.159 ng
RT: 12.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:202 Resp: 171706

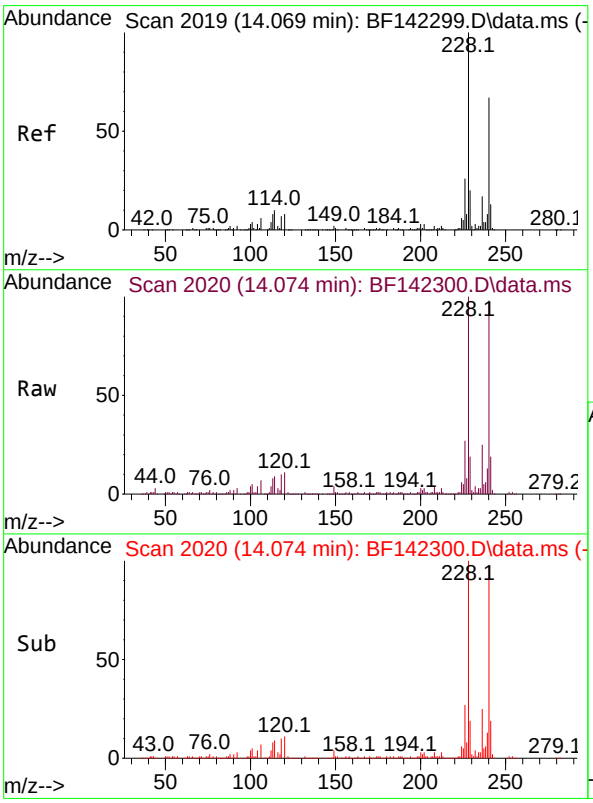
Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	31.4
203	17.9	0.0	37.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

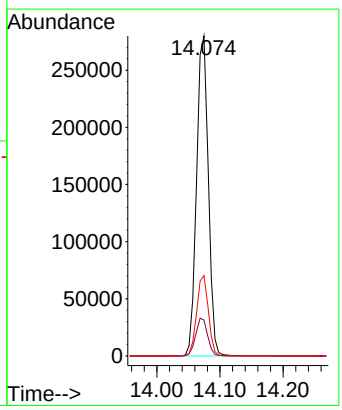
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

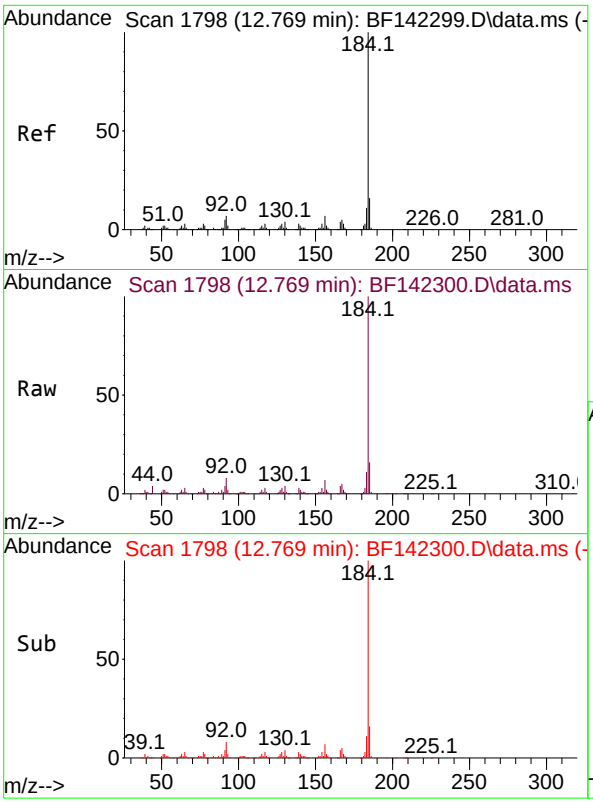


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:240 Resp: 361528

Ion	Ratio	Lower	Upper
240	100		
120	11.2	9.7	14.5
236	25.1	20.0	30.0

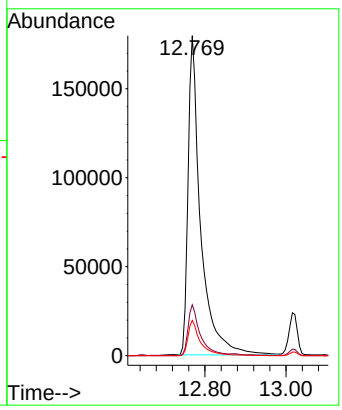




#77
Benzidine
Concen: 58.643 ng
RT: 12.769 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:184 Resp: 38528

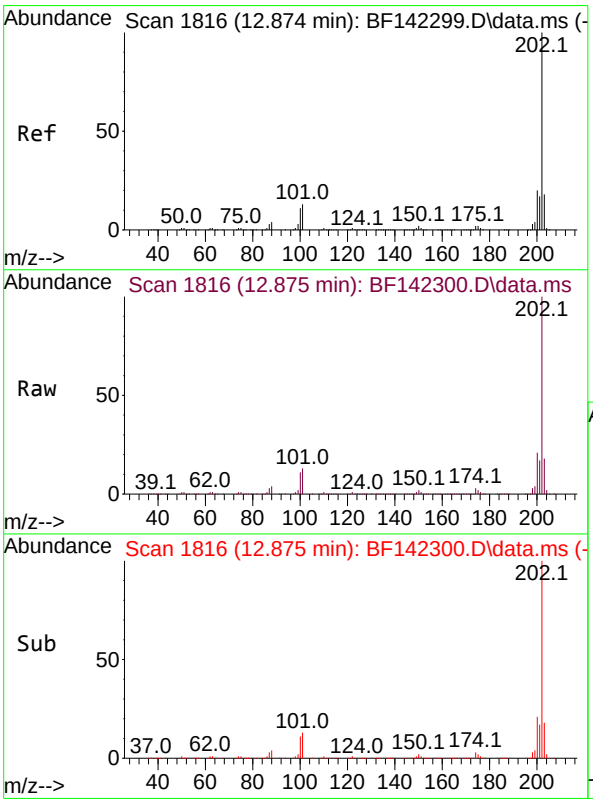
Ion	Ratio	Lower	Upper
184	100		
185	15.9	12.6	18.8
183	11.1	8.6	12.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

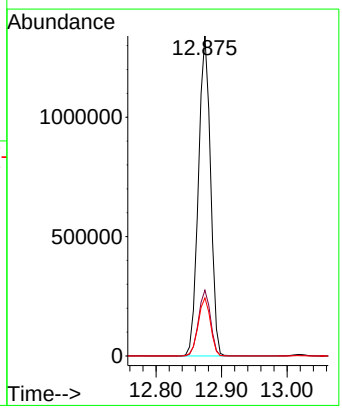
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

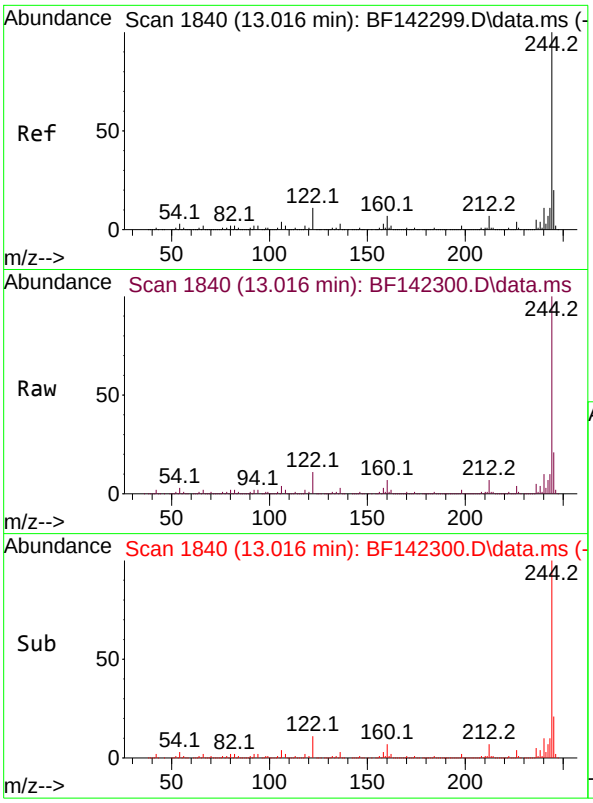


#78
Pyrene
Concen: 53.702 ng
RT: 12.875 min Scan# 1816
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:202 Resp: 1728090

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.2	24.4
203	18.1	14.3	21.5

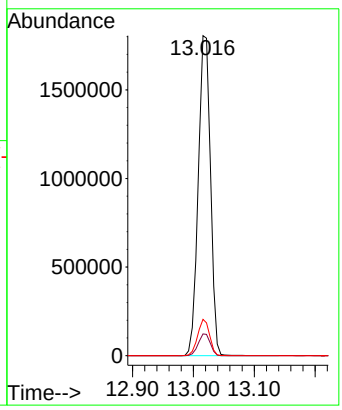




#79
Terphenyl-d14
Concen: 102.849 ng
RT: 13.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:244 Resp: 251216

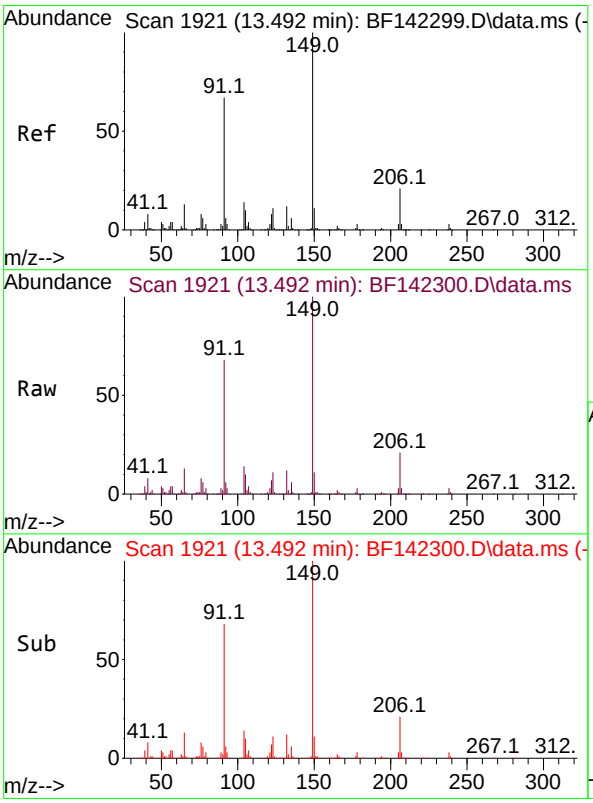
Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.2
122	11.4	9.0	13.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

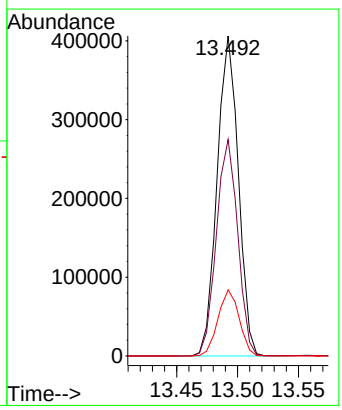
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

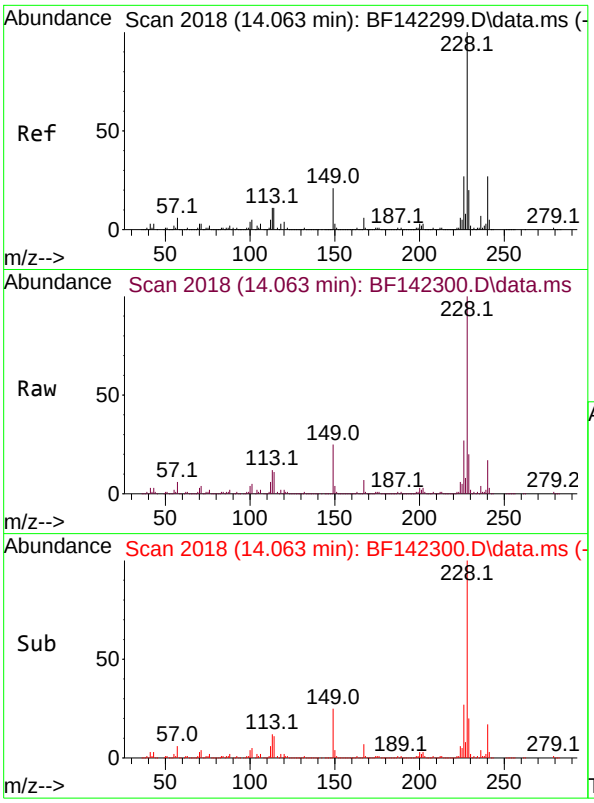


#80
Butylbenzylphthalate
Concen: 52.156 ng
RT: 13.492 min Scan# 1921
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:149 Resp: 493025

Ion	Ratio	Lower	Upper
149	100		
91	67.6	53.8	80.6
206	20.7	16.6	24.8

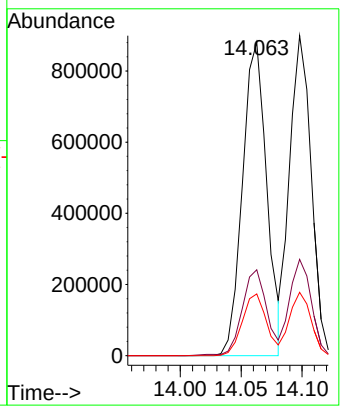




#81
Benzo(a)anthracene
Concen: 52.285 ng
RT: 14.063 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:228 Resp: 122413

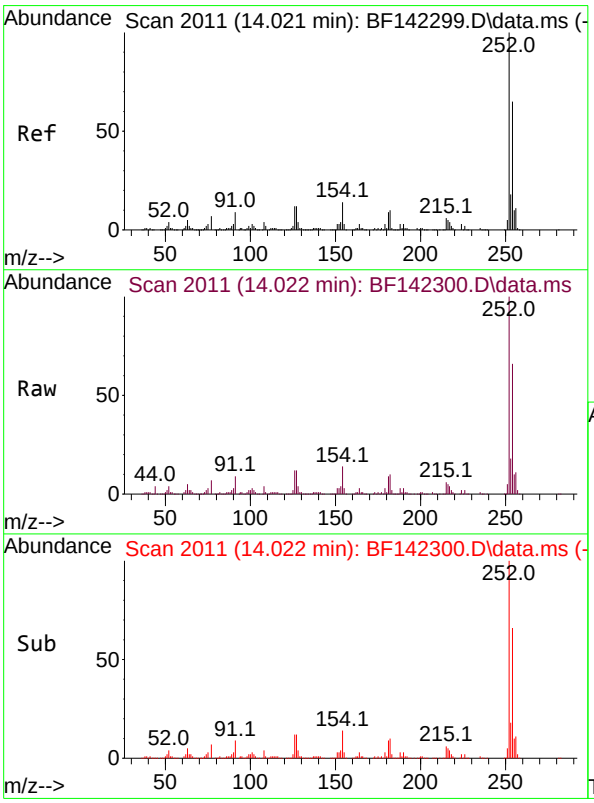
Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.5	32.3
229	19.7	15.9	23.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

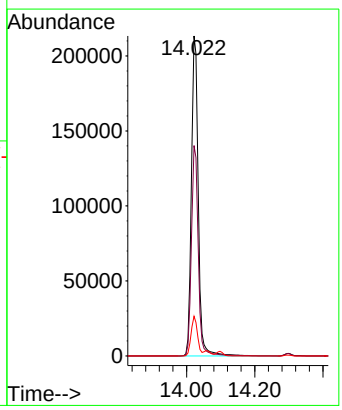
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

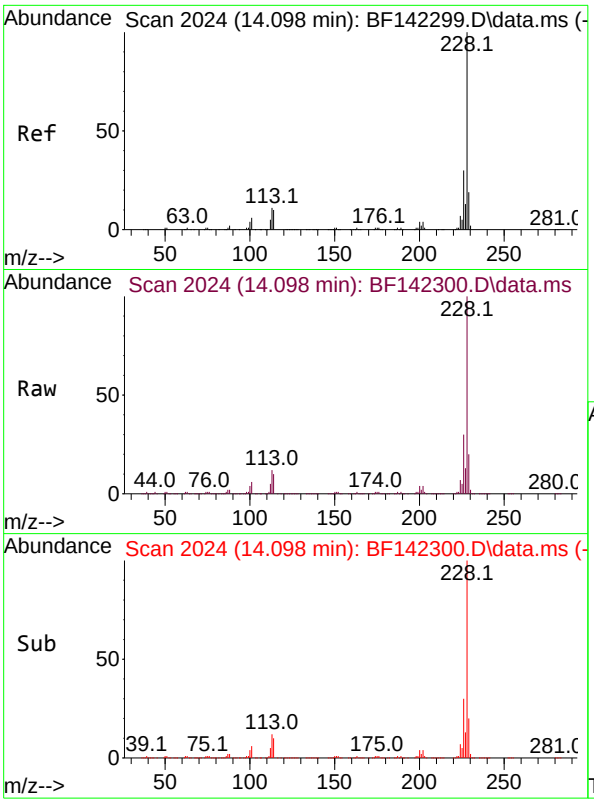


#82
3,3'-Dichlorobenzidine
Concen: 54.357 ng
RT: 14.022 min Scan# 2011
Delta R.T. 0.001 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:252 Resp: 295953

Ion	Ratio	Lower	Upper
252	100		
254	65.7	52.0	78.0
126	12.4	9.7	14.5

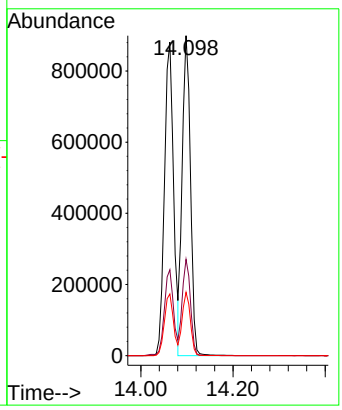




#83
Chrysene
Concen: 51.342 ng
RT: 14.098 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:228 Resp: 111904(

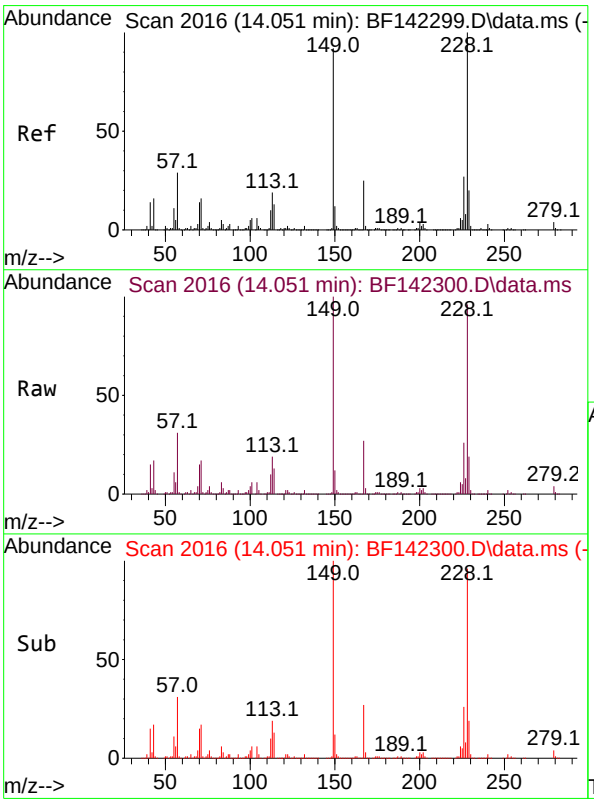
Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.9	35.9
229	19.8	15.4	23.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

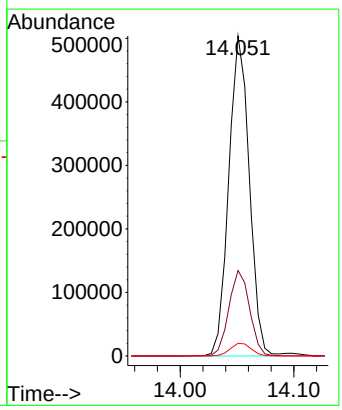
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

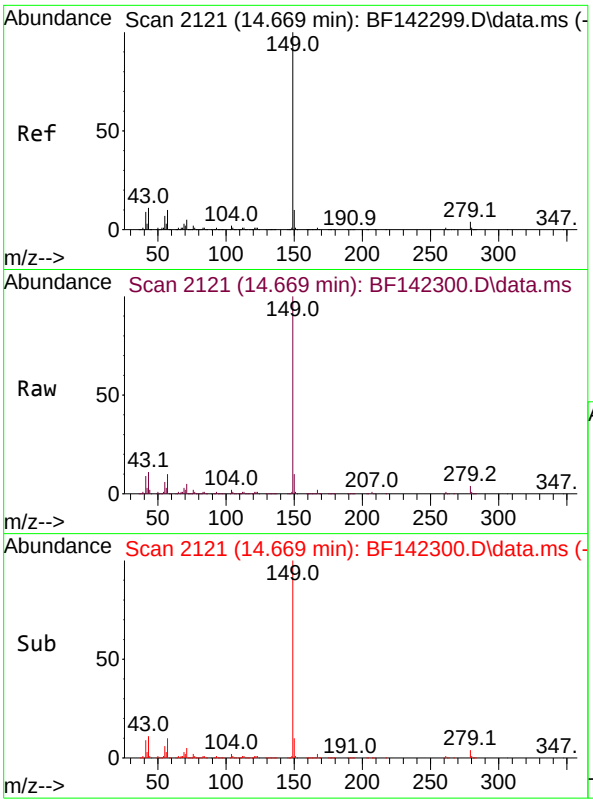


#84
Bis(2-ethylhexyl)phthalate
Concen: 51.305 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:149 Resp: 631350

Ion	Ratio	Lower	Upper
149	100		
167	26.7	22.0	33.0
279	3.9	3.0	4.6

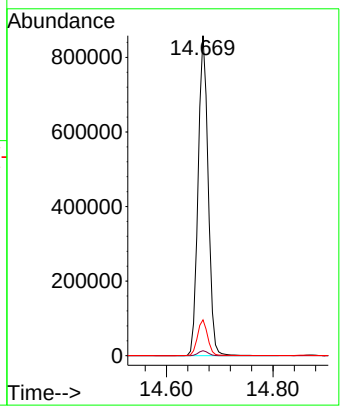




#85
Di-n-octyl phthalate
Concen: 50.417 ng
RT: 14.669 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:149 Resp: 112210

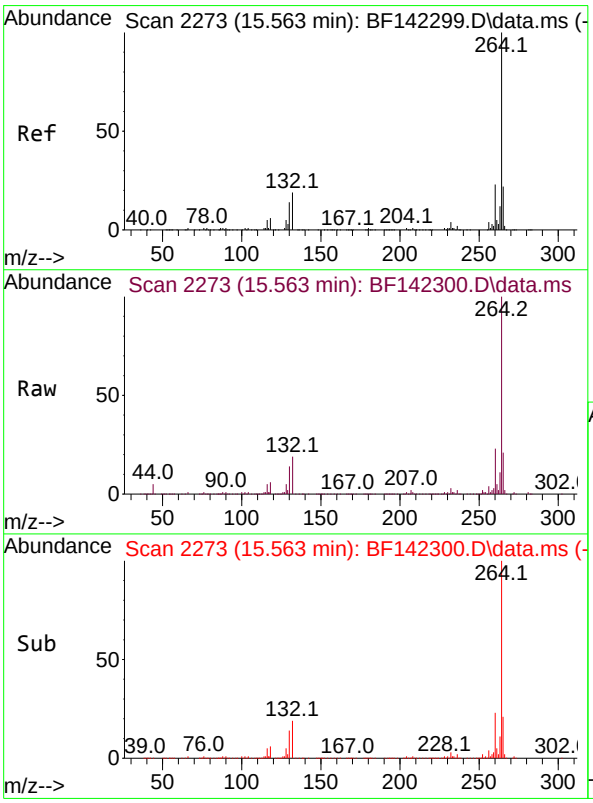
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	11.4	9.2	13.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

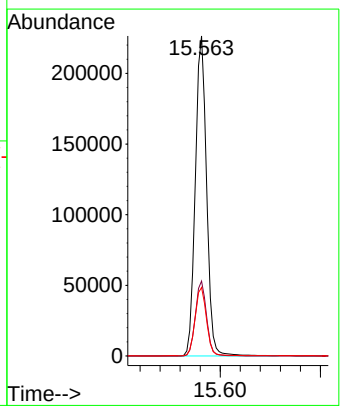
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

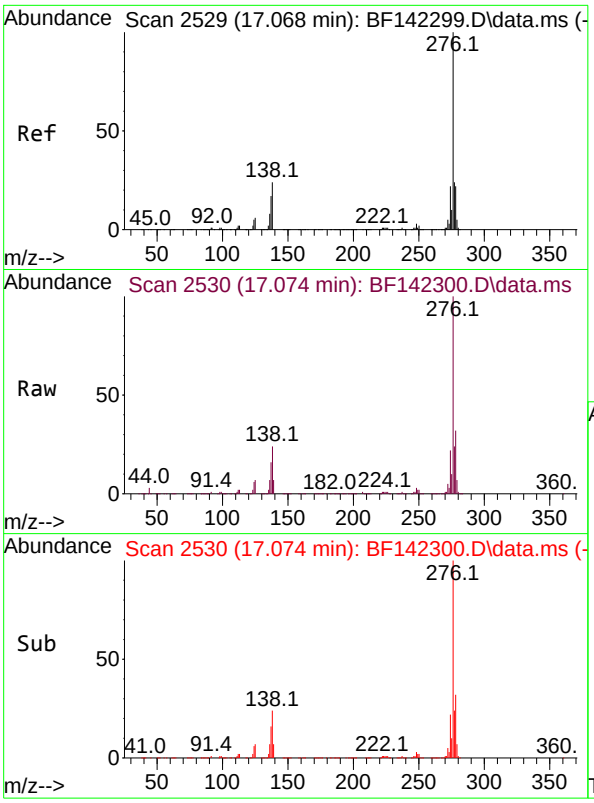


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2273
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:264 Resp: 352732

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.6	27.8
265	21.4	17.5	26.3

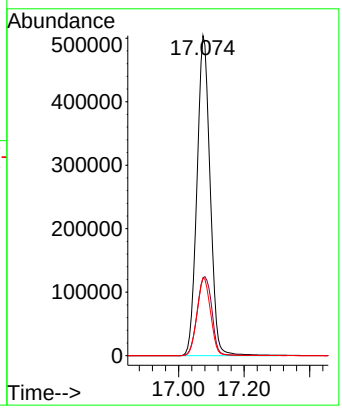




#87
Indeno(1,2,3-cd)pyrene
Concen: 57.351 ng
RT: 17.074 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:276 Resp: 140723

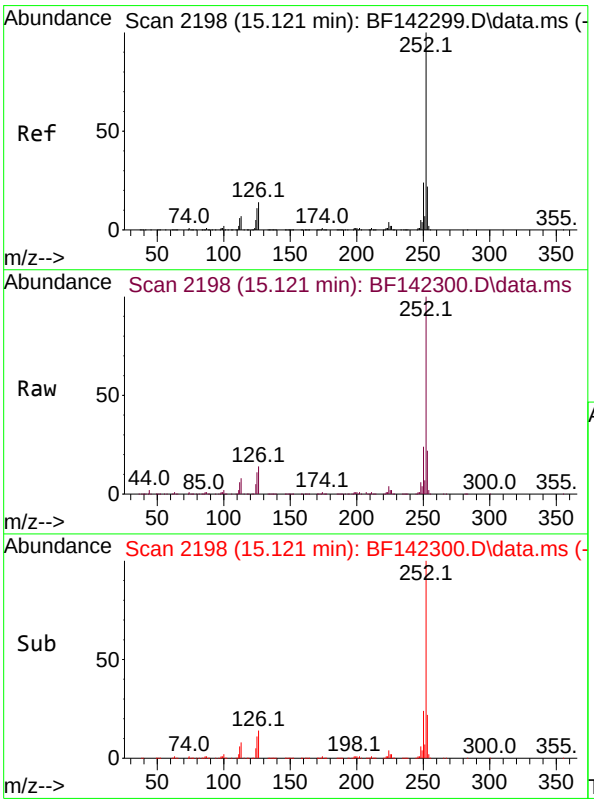
Ion	Ratio	Lower	Upper
276	100		
138	27.7	22.0	33.0
277	25.0	20.1	30.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

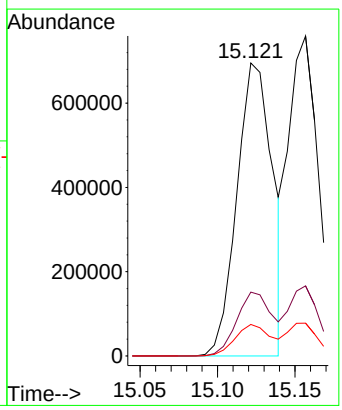
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

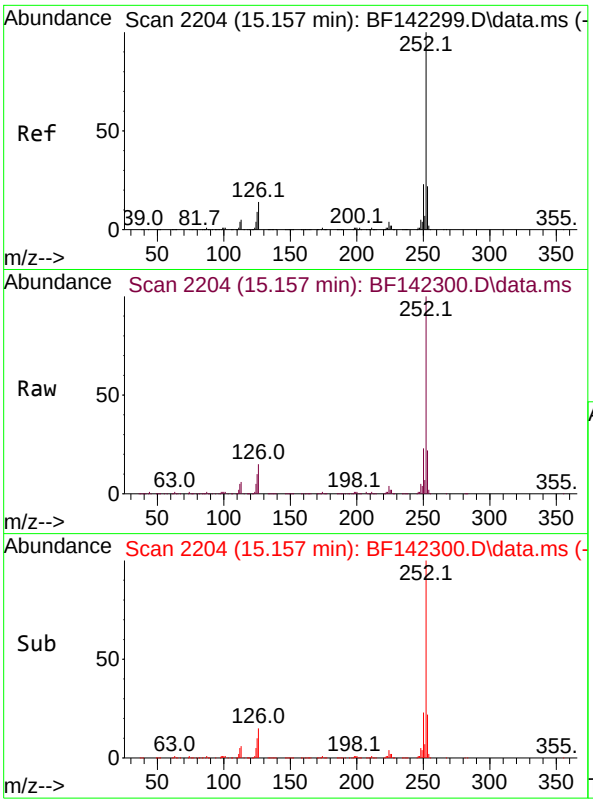


#88
Benzo(b)fluoranthene
Concen: 52.119 ng
RT: 15.121 min Scan# 2198
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:252 Resp: 1113446

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	10.8	8.7	13.1

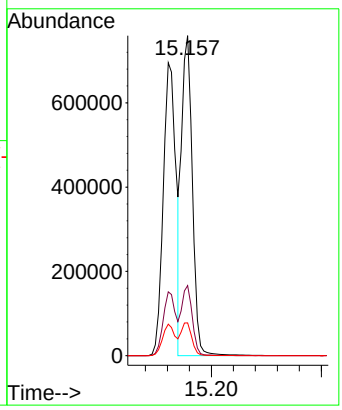




#89
Benzo(k)fluoranthene
Concen: 52.880 ng
RT: 15.157 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:252 Resp: 103381

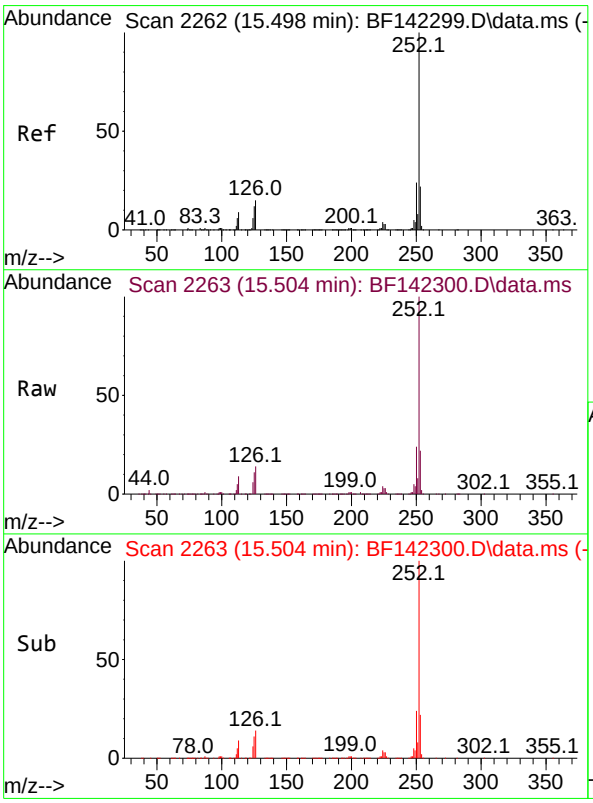
Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	10.2	8.1	12.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
APPROVED

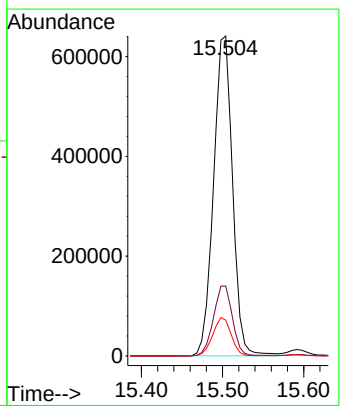
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

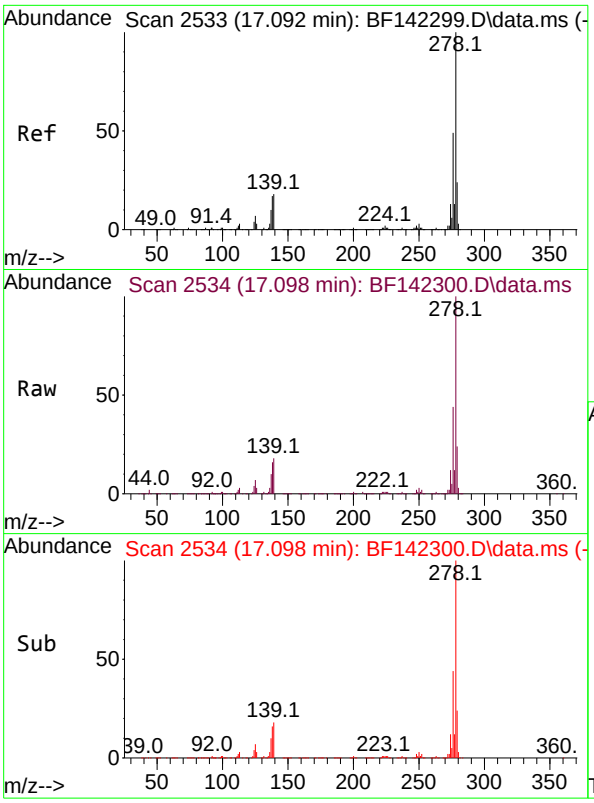


#90
Benzo(a)pyrene
Concen: 54.482 ng
RT: 15.504 min Scan# 2263
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:252 Resp: 1043008

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.6
125	11.2	9.4	14.0

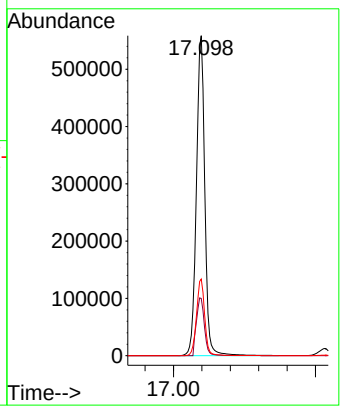




#91
Dibenzo(a,h)anthracene
Concen: 56.905 ng
RT: 17.098 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:278 Resp: 115355

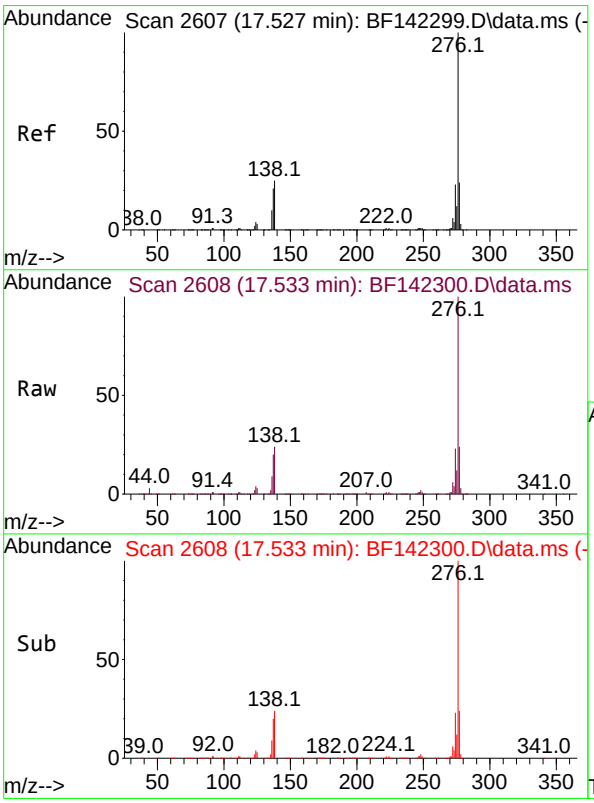
Ion	Ratio	Lower	Upper
278	100		
139	17.9	14.5	21.7
279	24.0	18.9	28.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

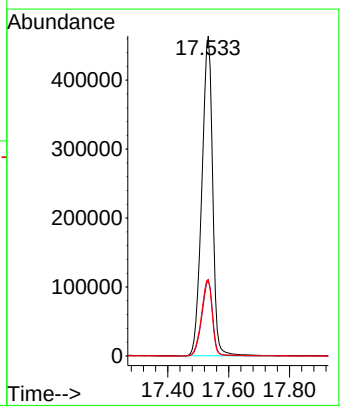
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#92
Benzo(g,h,i)perylene
Concen: 56.752 ng
RT: 17.533 min Scan# 2608
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:276 Resp: 1141826

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.0	28.6
138	23.9	19.8	29.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142301.D
Acq On : 05 May 2025 16:47
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

Quant Time: May 05 18:00:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 17:44:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.910	152	197459	20.000	ng		0.00
21) Naphthalene-d8	8.192	136	774183	20.000	ng		0.00
39) Acenaphthene-d10	9.945	164	403498	20.000	ng		0.00
64) Phenanthrene-d10	11.433	188	678705	20.000	ng		0.00
76) Chrysene-d12	14.074	240	358642	20.000	ng		0.00
86) Perylene-d12	15.563	264	387967	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.516	112	1380708	119.365	ng		0.00
7) Phenol-d6	6.528	99	1681641	118.204	ng		0.00
23) Nitrobenzene-d5	7.475	82	1614559	127.189	ng		0.00
42) 2,4,6-Tribromophenol	10.733	330	509292	130.732	ng		0.00
45) 2-Fluorobiphenyl	9.269	172	3015927	106.576	ng		0.00
79) Terphenyl-d14	13.022	244	2827945	116.709	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.681	88	308652	59.255	ng		100
3) Pyridine	3.446	79	777252	63.459	ng		99
4) n-Nitrosodimethylamine	3.405	42	429842	60.476	ng		99
6) Aniline	6.575	93	900100	64.503	ng		99
8) 2-Chlorophenol	6.687	128	760230	61.504	ng		99
9) Benzaldehyde	6.457	77	392710	47.164	ng		99
10) Phenol	6.545	94	902878m	59.871	ng		
11) bis(2-Chloroethyl)ether	6.645	93	853741m	57.408	ng		
12) 1,3-Dichlorobenzene	6.851	146	816681	57.752	ng		99
13) 1,4-Dichlorobenzene	6.928	146	820881	57.814	ng		99
14) 1,2-Dichlorobenzene	7.075	146	794010	58.260	ng		99
15) Benzyl Alcohol	7.045	79	597038	64.809	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.181	45	1310008	58.989	ng		100
17) 2-Methylphenol	7.151	107	599927	59.949	ng		99
18) Hexachloroethane	7.422	117	288326	61.032	ng		99
19) n-Nitroso-di-n-propyla...	7.328	70	523983	59.543	ng		98
20) 3+4-Methylphenols	7.310	107	726451	58.165	ng		94
22) Acetophenone	7.316	105	972165	56.476	ng	#	93
24) Nitrobenzene	7.492	77	753847	62.999	ng		97
25) Isophorone	7.734	82	1444396	60.087	ng		100
26) 2-Nitrophenol	7.804	139	359513	61.112	ng		98
27) 2,4-Dimethylphenol	7.840	122	729069	60.325	ng		99
28) bis(2-Chloroethoxy)met...	7.939	93	896741	58.015	ng		100
29) 2,4-Dichlorophenol	8.045	162	636712	61.967	ng		99
30) 1,2,4-Trichlorobenzene	8.128	180	670104	57.949	ng		99
31) Naphthalene	8.216	128	2103149	56.052	ng		99
32) Benzoic acid	7.957	122	433085m	61.871	ng		
33) 4-Chloroaniline	8.257	127	963425m	63.039	ng		
34) Hexachlorobutadiene	8.328	225	401644	58.657	ng		100
35) Caprolactam	8.634	113	193098	64.619	ng		97
36) 4-Chloro-3-methylphenol	8.734	107	648747	60.738	ng		99
37) 2-Methylnaphthalene	8.904	142	1319794	56.607	ng		99
38) 1-Methylnaphthalene	9.004	142	1363474	56.109	ng		99
40) 1,2,4,5-Tetrachloroben...	9.069	216	650696	57.740	ng		99
41) Hexachlorocyclopentadiene	9.057	237	459147	65.925	ng		100
43) 2,4,6-Trichlorophenol	9.175	196	448837	63.143	ng		98

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142301.D
Acq On : 05 May 2025 16:47
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

Quant Time: May 05 18:00:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 17:44:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.216	196	480305	63.505	ng		99
46) 1,1'-Biphenyl	9.369	154	1745424	56.417	ng		99
47) 2-Chloronaphthalene	9.392	162	1338338	58.169	ng		99
48) 2-Nitroaniline	9.486	65	407862	69.160	ng		95
49) Acenaphthylene	9.810	152	2215774	57.569	ng		99
50) Dimethylphthalate	9.669	163	1543896	59.587	ng		100
51) 2,6-Dinitrotoluene	9.728	165	330939	68.237	ng		96
52) Acenaphthene	9.981	154	1345347	58.133	ng		100
53) 3-Nitroaniline	9.898	138	385568	67.787	ng		98
54) 2,4-Dinitrophenol	9.998	184	149707	61.014	ng	#	25
55) Dibenzofuran	10.151	168	1947247	57.013	ng		98
56) 4-Nitrophenol	10.045	139	290245	67.801	ng		99
57) 2,4-Dinitrotoluene	10.128	165	430311	69.171	ng		98
58) Fluorene	10.498	166	1432119	54.944	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	398607	63.842	ng		98
60) Diethylphthalate	10.369	149	1515452	58.568	ng		99
61) 4-Chlorophenyl-phenyle...	10.486	204	714047	56.782	ng		99
62) 4-Nitroaniline	10.510	138	265178	58.823	ng		100
63) Azobenzene	10.645	77	1434293	58.009	ng		100
65) 4,6-Dinitro-2-methylph...	10.533	198	199546	60.816	ng		96
66) n-Nitrosodiphenylamine	10.604	169	1330840	58.927	ng		100
67) 4-Bromophenyl-phenylether	10.975	248	461892	60.048	ng		99
68) Hexachlorobenzene	11.039	284	504486	59.625	ng		100
69) Atrazine	11.128	200	376071	63.169	ng		100
70) Pentachlorophenol	11.233	266	304541	68.419	ng		98
71) Phenanthrene	11.457	178	2009150	56.475	ng		99
72) Anthracene	11.510	178	2082880	56.980	ng		100
73) Carbazole	11.663	167	1854181	56.538	ng		100
74) Di-n-butylphthalate	11.992	149	2073826	60.137	ng		100
75) Fluoranthene	12.645	202	1946773	54.742	ng		100
77) Benzidine	12.769	184	434063	66.599	ng		100
78) Pyrene	12.874	202	1954922	61.239	ng		100
80) Butylbenzylphthalate	13.492	149	591132	62.274	ng		99
81) Benzo(a)anthracene	14.063	228	1394561	60.043	ng		99
82) 3,3'-Dichlorobenzidine	14.027	252	347469	64.332	ng		99
83) Chrysene	14.098	228	1293807	59.838	ng		99
84) Bis(2-ethylhexyl)phtha...	14.051	149	769940	62.098	ng		99
85) Di-n-octyl phthalate	14.668	149	1414997	61.963	ng		99
87) Indeno(1,2,3-cd)pyrene	17.080	276	1749961	64.842	ng		100
88) Benzo(b)fluoranthene	15.127	252	1328806	56.551	ng		99
89) Benzo(k)fluoranthene	15.157	252	1296375	60.288	ng		99
90) Benzo(a)pyrene	15.504	252	1302088	61.838	ng		99
91) Dibenzo(a,h)anthracene	17.098	278	1424781	63.902	ng		99
92) Benzo(g,h,i)perylene	17.539	276	1426095	64.444	ng		99

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

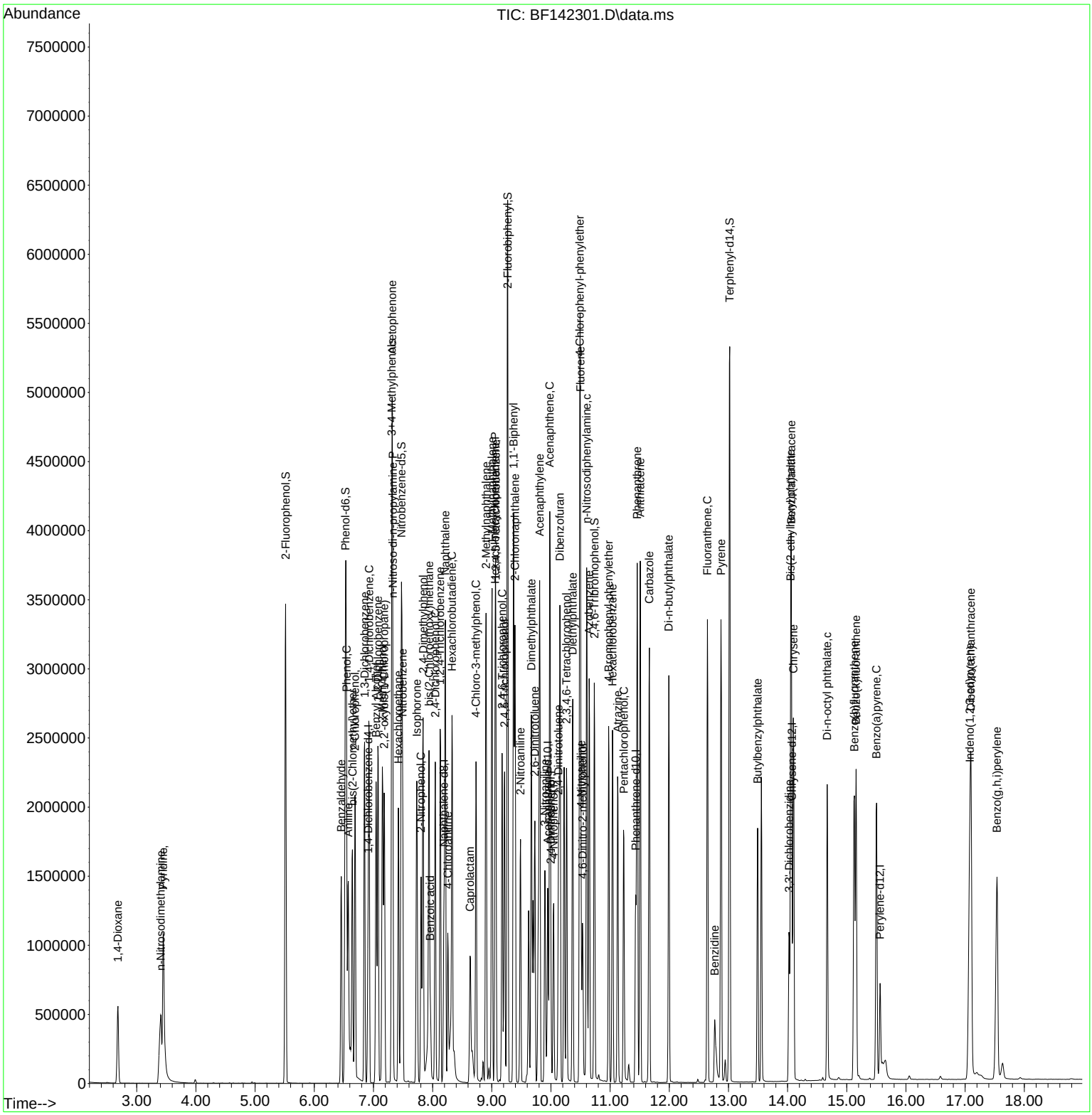
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142301.D
Acq On : 05 May 2025 16:47
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

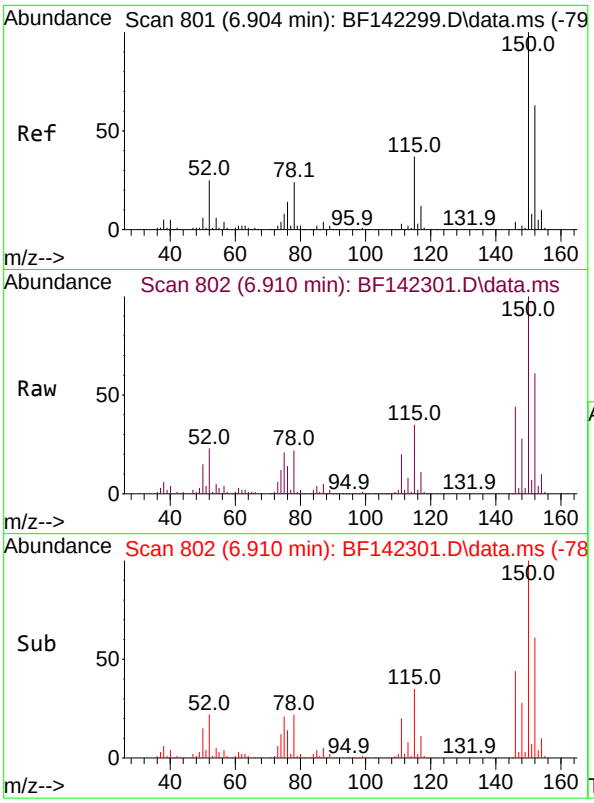
Quant Time: May 05 18:00:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 17:44:56 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

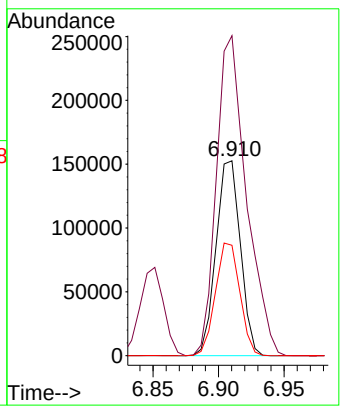




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.910 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:152 Resp: 19745

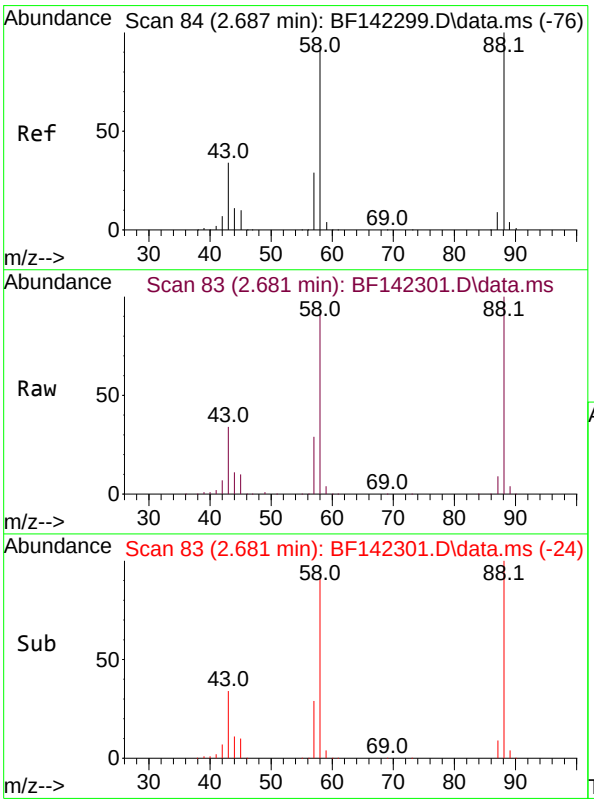
Ion	Ratio	Lower	Upper
152	100		
150	164.2	126.6	190.0
115	56.7	47.3	70.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

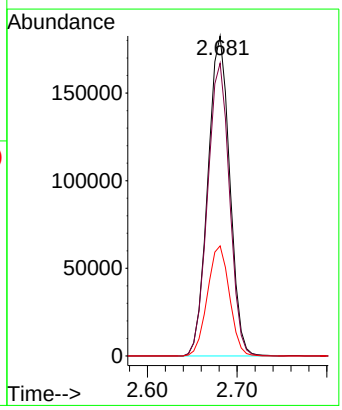
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

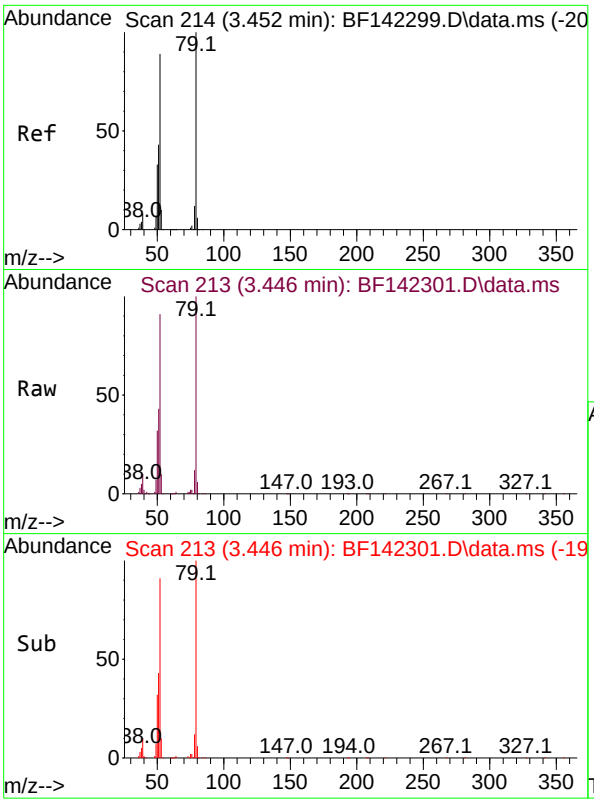


#2
1,4-Dioxane
Concen: 59.255 ng
RT: 2.681 min Scan# 83
Delta R.T. -0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion: 88 Resp: 308652

Ion	Ratio	Lower	Upper
88	100		
58	91.5	73.0	109.4
43	34.7	27.8	41.6

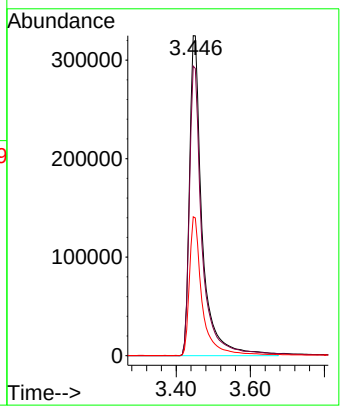




#3
Pyridine
Concen: 63.459 ng
RT: 3.446 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion: 79 Resp: 77725

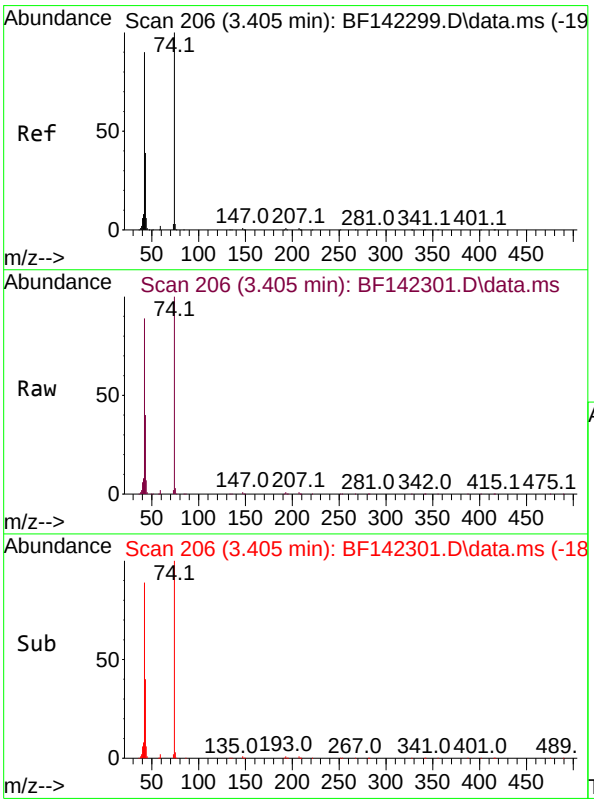
Ion	Ratio	Lower	Upper
79	100		
52	90.5	71.0	106.4
51	43.4	34.9	52.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

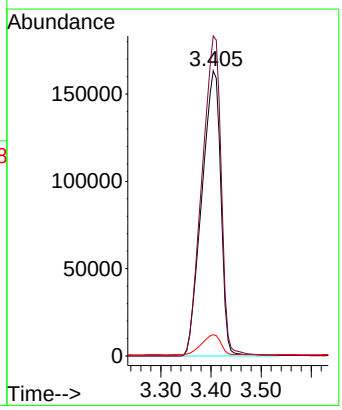
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

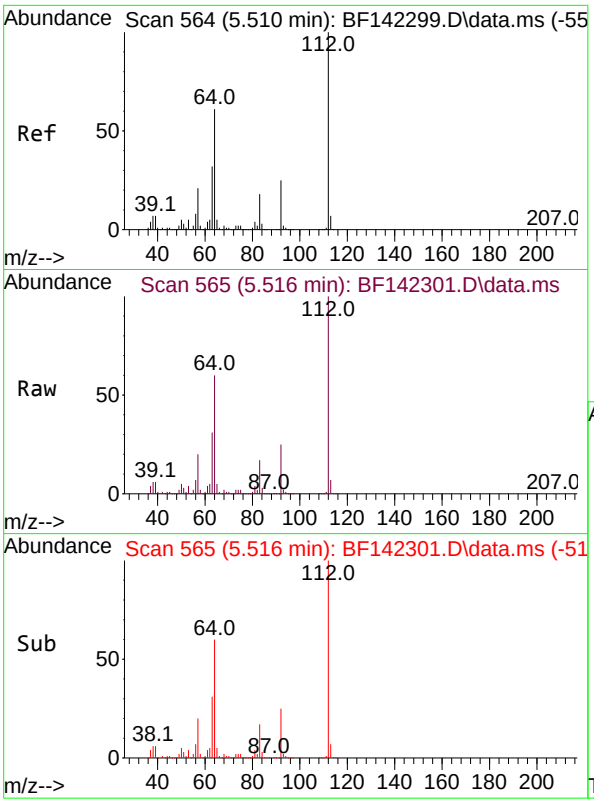


#4
n-Nitrosodimethylamine
Concen: 60.476 ng
RT: 3.405 min Scan# 206
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion: 42 Resp: 429842

Ion	Ratio	Lower	Upper
42	100		
74	112.2	88.5	132.7
44	7.4	5.8	8.8





#5
2-Fluorophenol
Concen: 119.365 ng
RT: 5.516 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

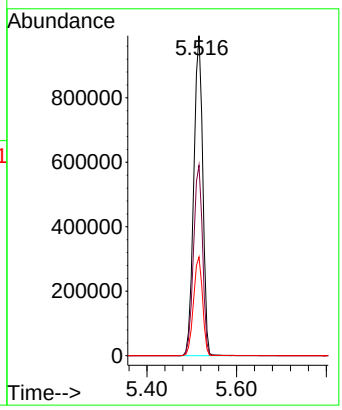
Tgt Ion:112 Resp: 138070

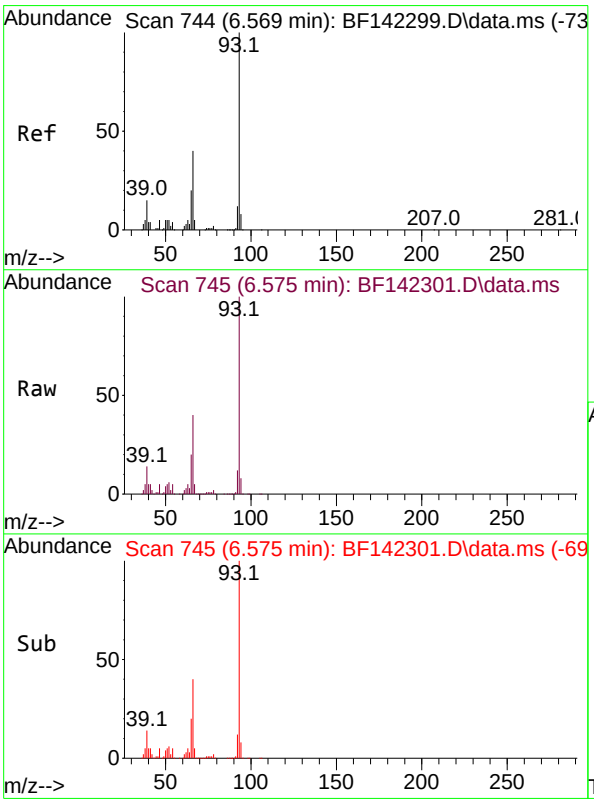
Ion	Ratio	Lower	Upper
112	100		
64	59.5	48.9	73.3
63	30.8	25.6	38.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

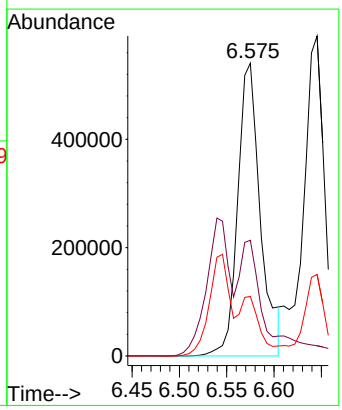


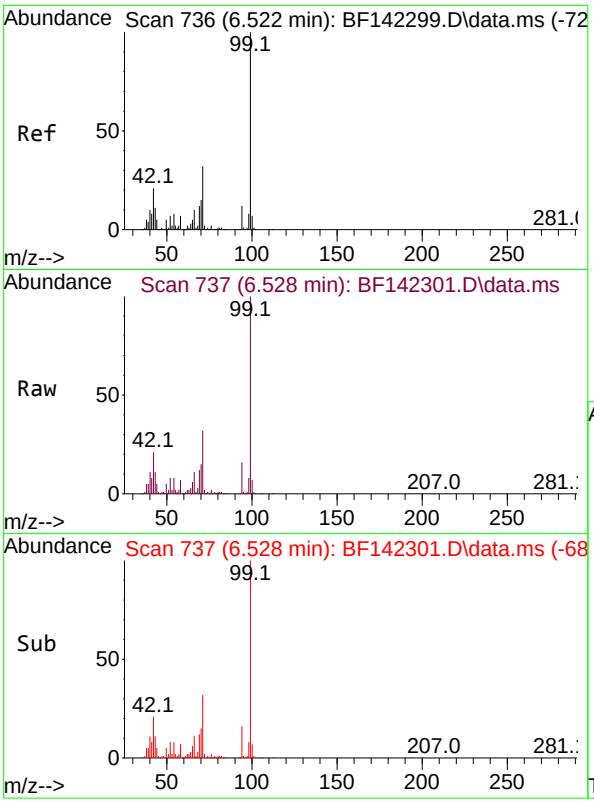


#6
Aniline
Concen: 64.503 ng
RT: 6.575 min Scan# 745
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion: 93 Resp: 900100

Ion	Ratio	Lower	Upper
93	100		
66	39.5	32.2	48.4
65	20.3	16.3	24.5





#7
Phenol-d6
Concen: 118.204 ng
RT: 6.528 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

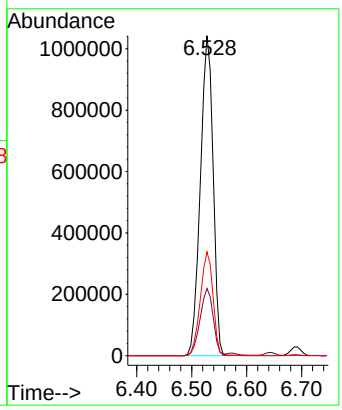
Tgt Ion: 99 Resp: 168164

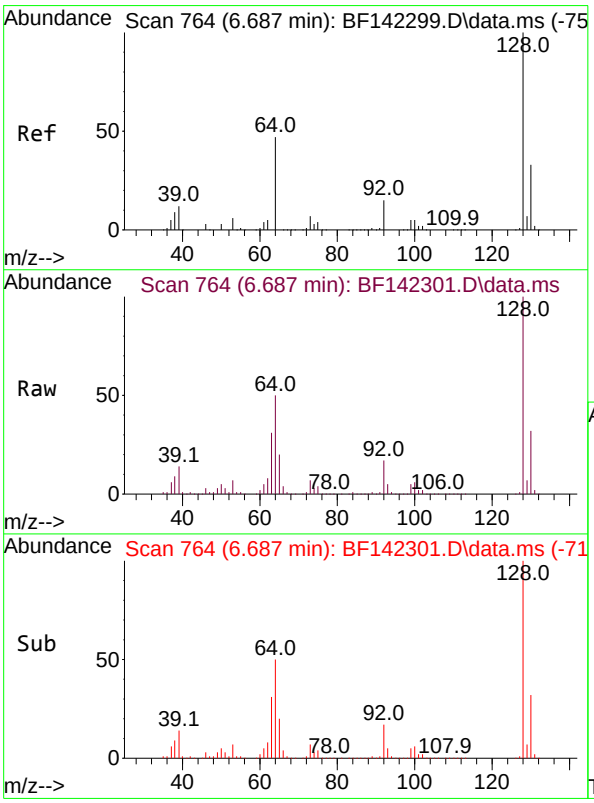
Ion	Ratio	Lower	Upper
99	100		
42	21.0	17.0	25.4
71	32.5	25.8	38.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

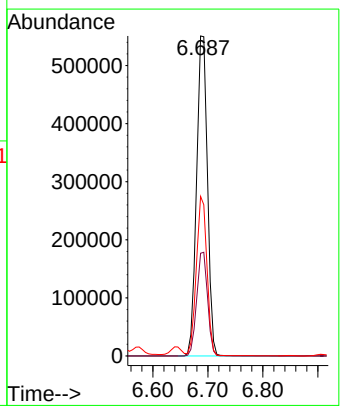


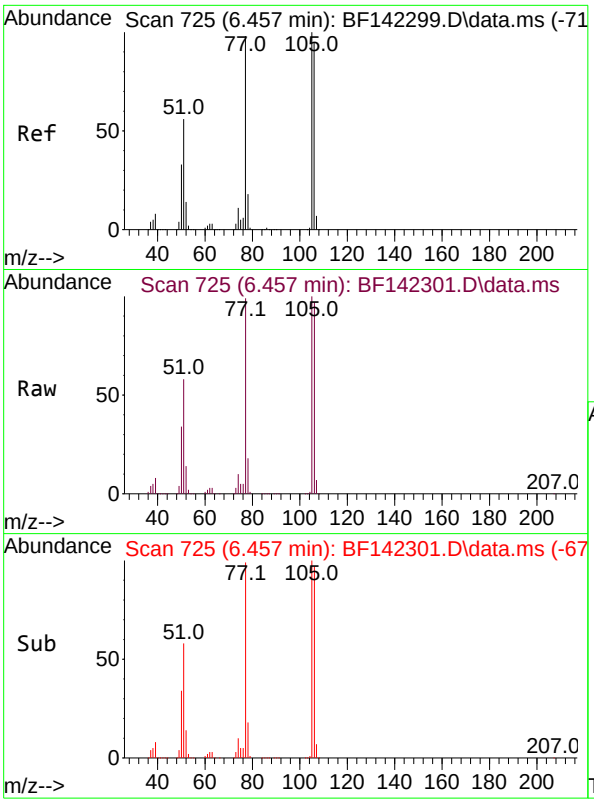


#8
2-Chlorophenol
Concen: 61.504 ng
RT: 6.687 min Scan# 764
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:128 Resp: 760230

Ion	Ratio	Lower	Upper
128	100		
130	32.1	12.7	52.7
64	49.8	29.2	69.2

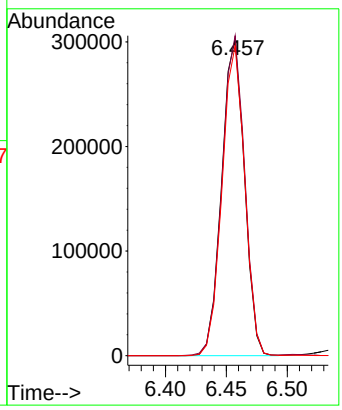




#9
Benzaldehyde
Concen: 47.164 ng
RT: 6.457 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion: 77 Resp: 39271

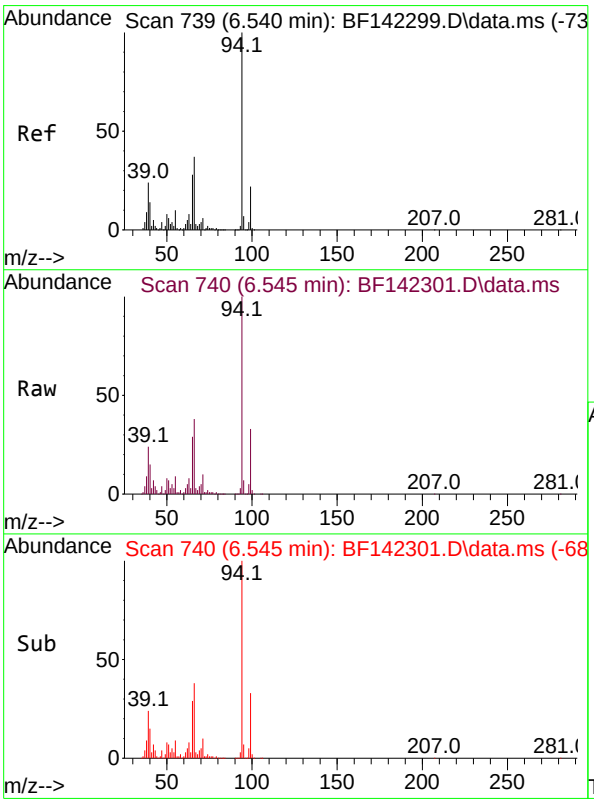
Ion	Ratio	Lower	Upper
77	100		
105	101.2	82.0	122.0
106	98.0	77.2	117.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

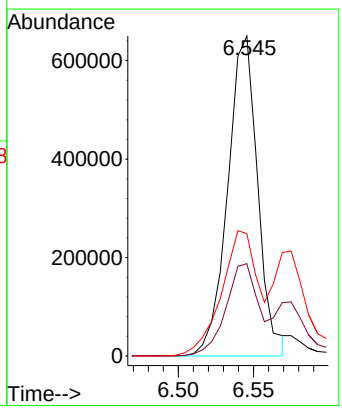
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

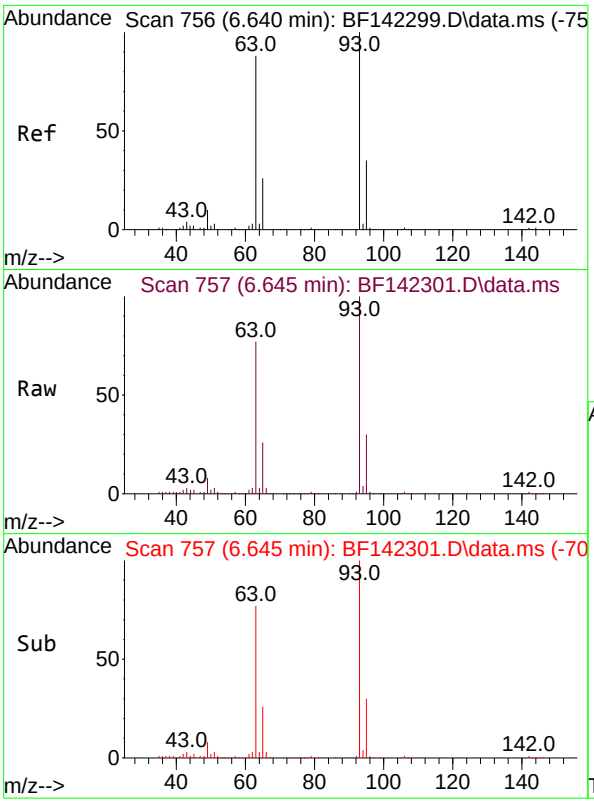


#10
Phenol
Concen: 59.871 ng m
RT: 6.545 min Scan# 740
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion: 94 Resp: 902878

Ion	Ratio	Lower	Upper
94	100		
65	28.9	8.5	48.5
66	38.3	17.3	57.3

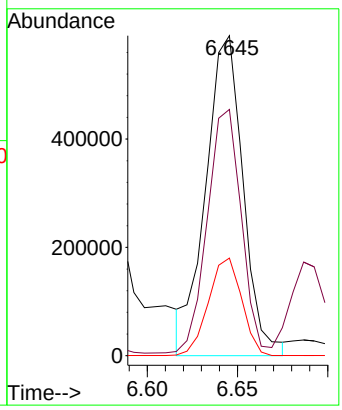




#11
bis(2-Chloroethyl)ether
Concen: 57.408 ng m
RT: 6.645 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion: 93 Resp: 85374

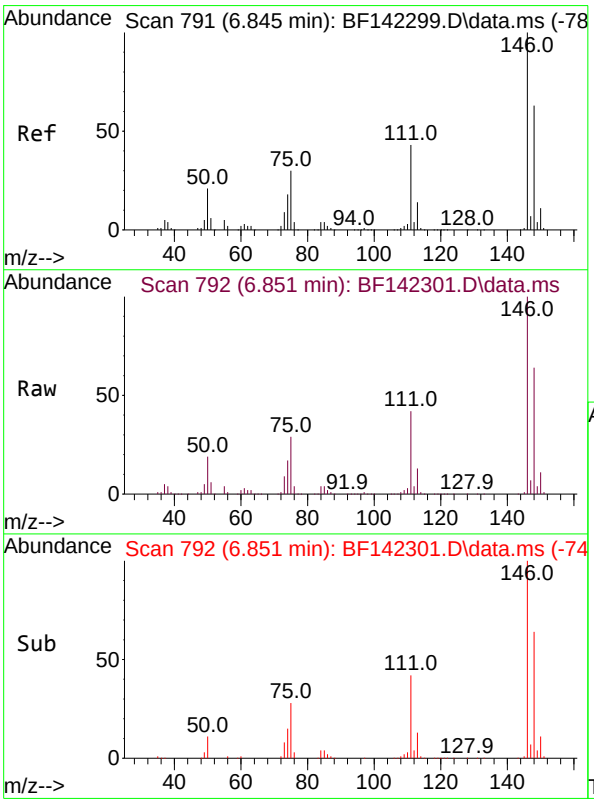
Ion	Ratio	Lower	Upper
93	100		
63	77.0	58.4	98.4
95	30.5	10.6	50.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

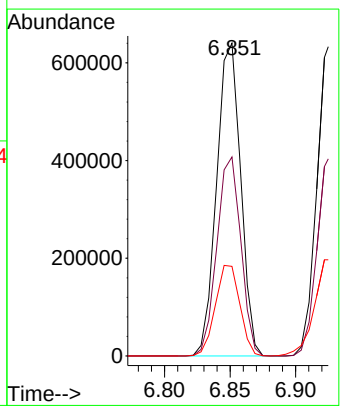
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

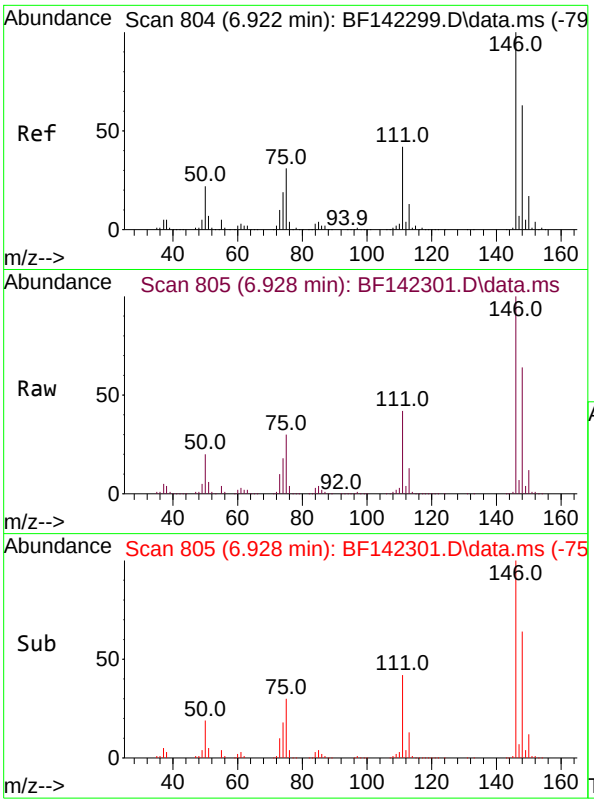


#12
1,3-Dichlorobenzene
Concen: 57.752 ng
RT: 6.851 min Scan# 792
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:146 Resp: 816681

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.6	76.0
75	28.6	24.2	36.4

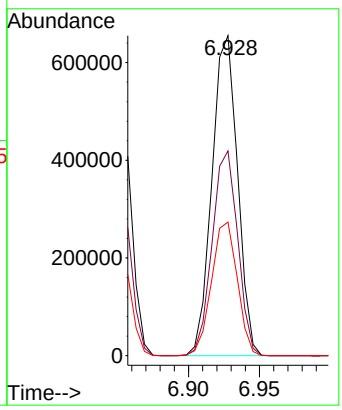




#13
1,4-Dichlorobenzene
Concen: 57.814 ng
RT: 6.928 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:146 Resp: 82088

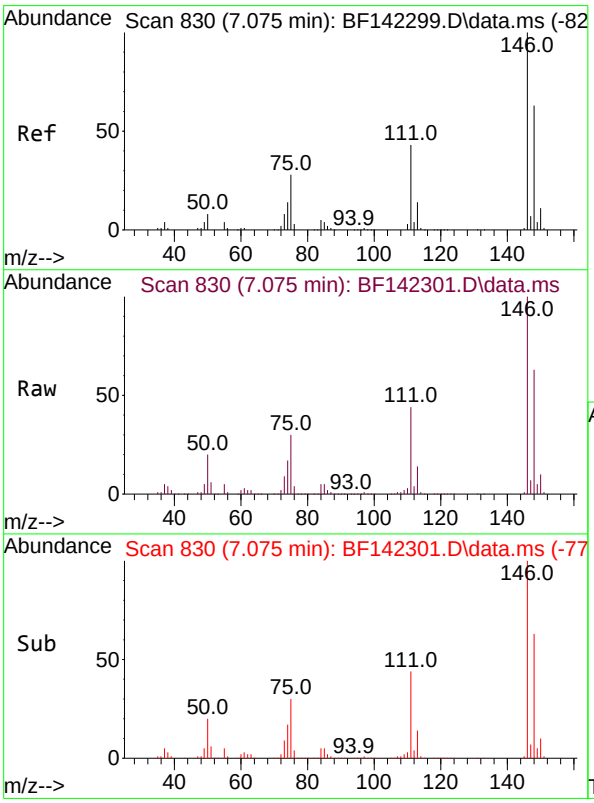
Ion	Ratio	Lower	Upper
146	100		
148	64.0	50.5	75.7
111	41.8	33.4	50.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

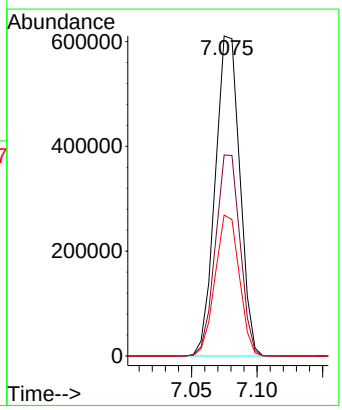
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

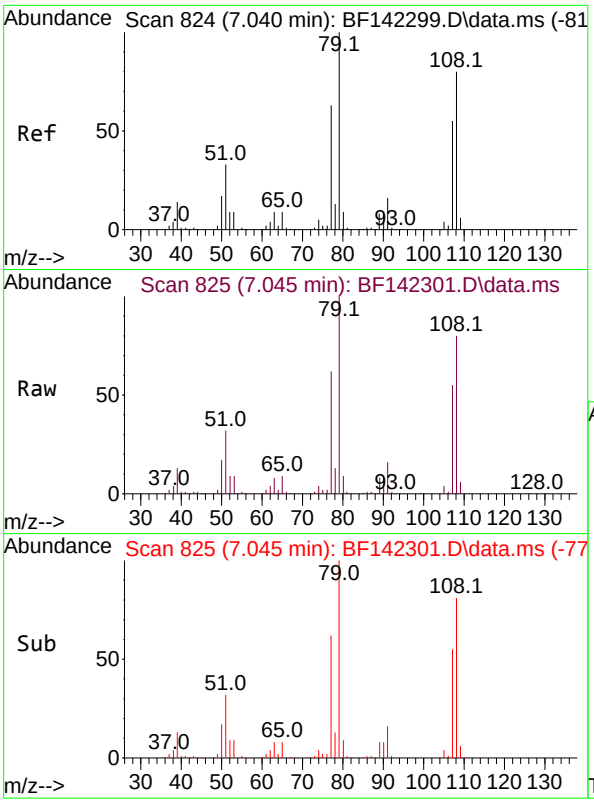


#14
1,2-Dichlorobenzene
Concen: 58.260 ng
RT: 7.075 min Scan# 830
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:146 Resp: 794010

Ion	Ratio	Lower	Upper
146	100		
148	62.8	50.3	75.5
111	44.1	34.5	51.7





#15
Benzyl Alcohol
Concen: 64.809 ng
RT: 7.045 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

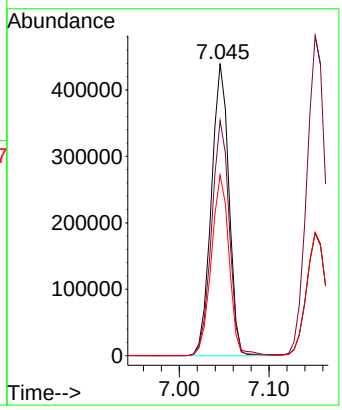
Tgt Ion: 79 Resp: 59703

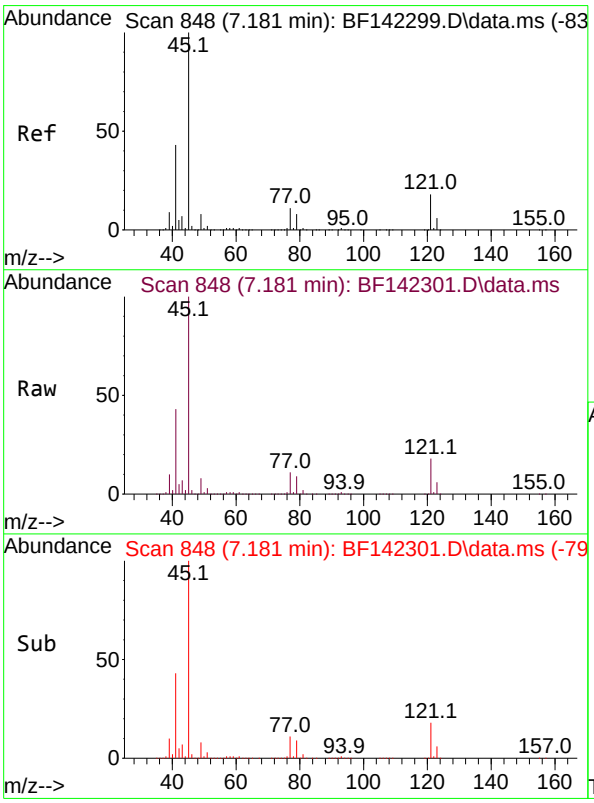
Ion	Ratio	Lower	Upper
79	100		
108	80.5	63.9	95.9
77	61.8	50.7	76.1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

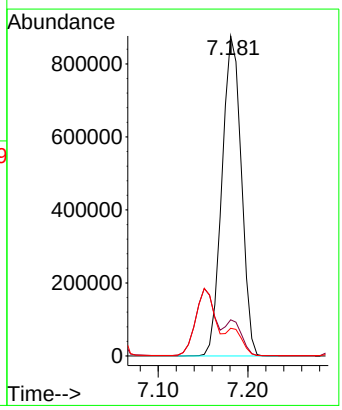


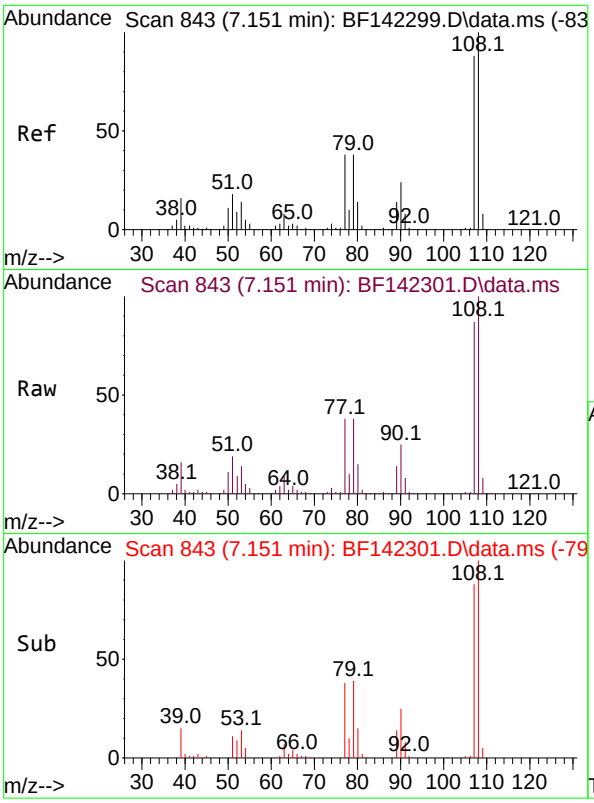


#16
2,2'-oxybis(1-Chloropropane)
Concen: 58.989 ng
RT: 7.181 min Scan# 848
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion: 45 Resp: 1310008

Ion	Ratio	Lower	Upper
45	100		
77	11.3	0.0	31.2
79	8.7	0.0	28.5

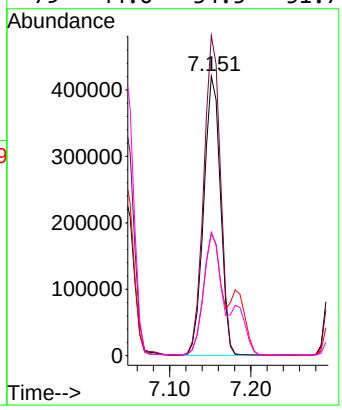




#17
2-Methylphenol
Concen: 59.949 ng
RT: 7.151 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:107 Resp: 59992

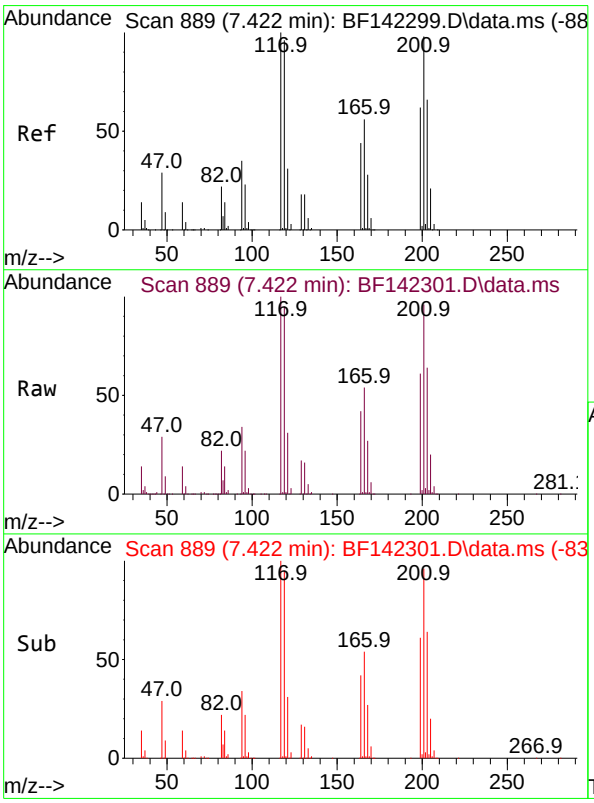
Ion	Ratio	Lower	Upper
107	100		
108	114.5	91.1	136.7
77	44.0	34.7	52.1
79	44.0	34.5	51.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

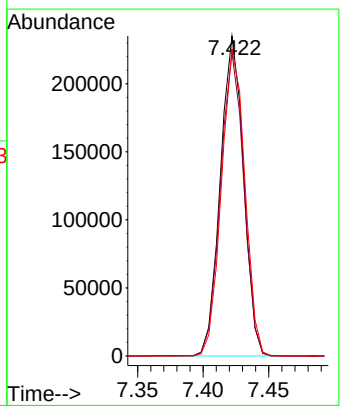
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

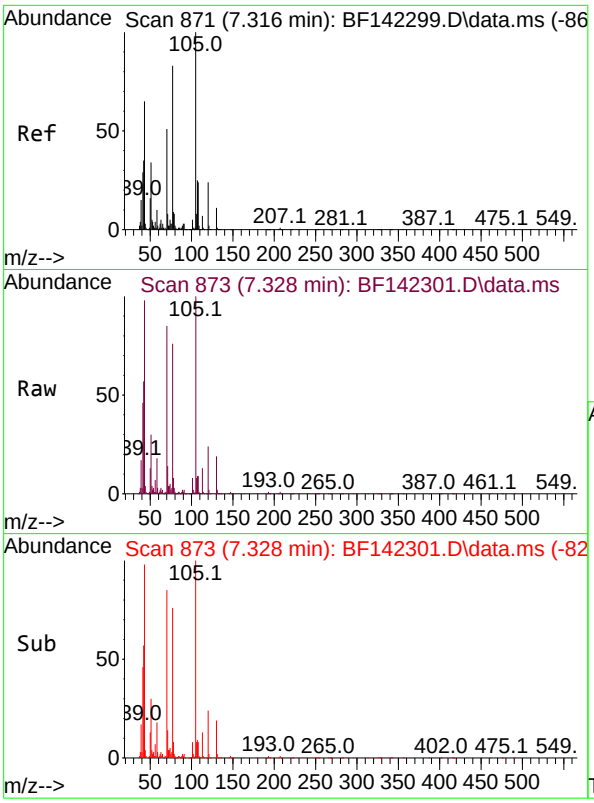


#18
Hexachloroethane
Concen: 61.032 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:117 Resp: 288326

Ion	Ratio	Lower	Upper
117	100		
119	94.8	76.9	115.3
201	95.9	78.0	117.0

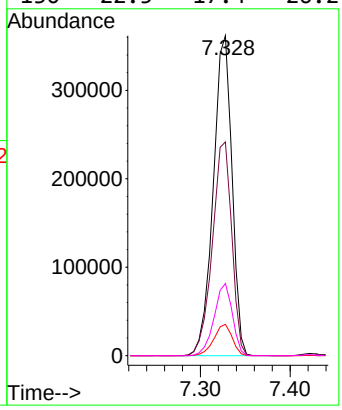




#19
n-Nitroso-di-n-propylamine
Concen: 59.543 ng
RT: 7.328 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion: 70 Resp: 52398

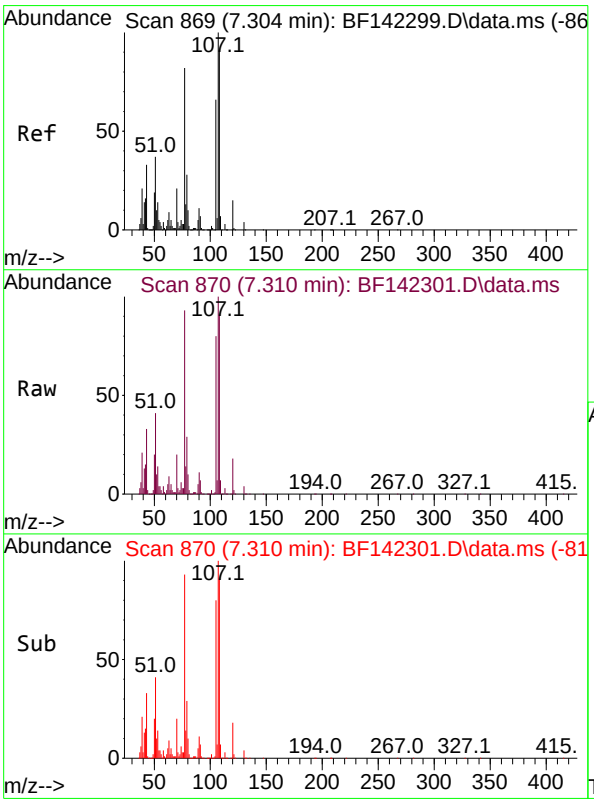
Ion	Ratio	Lower	Upper
70	100		
42	66.8	54.8	82.2
101	9.8	7.7	11.5
130	22.5	17.4	26.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

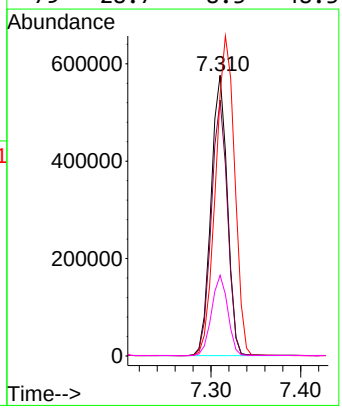
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

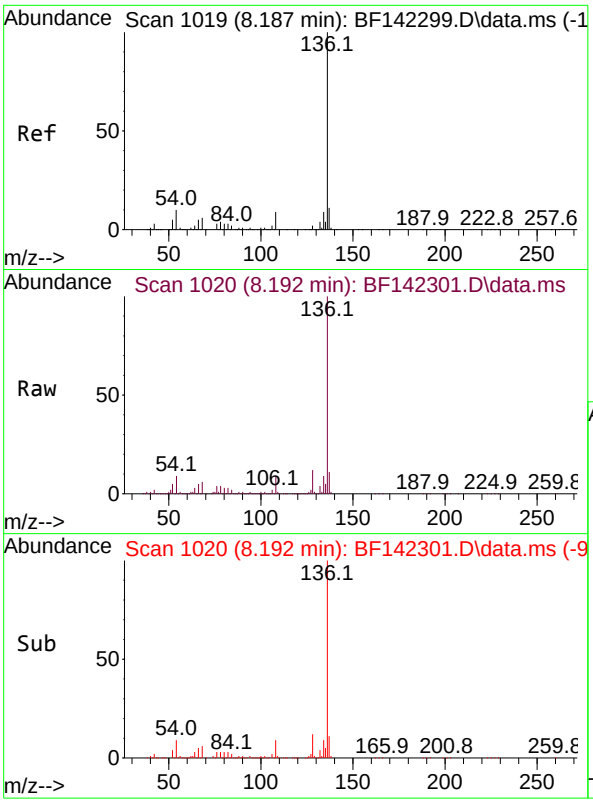


#20
3+4-Methylphenols
Concen: 58.165 ng
RT: 7.310 min Scan# 870
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:107 Resp: 726451

Ion	Ratio	Lower	Upper
107	100		
108	91.2	71.5	111.5
77	93.3	61.6	101.6
79	28.7	8.3	48.3

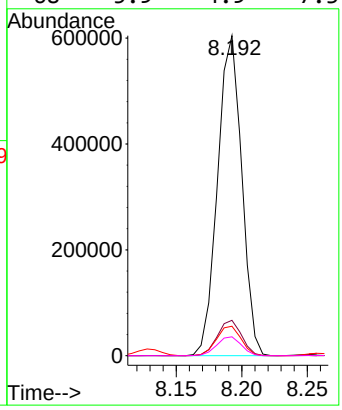




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.192 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:136 Resp: 77418

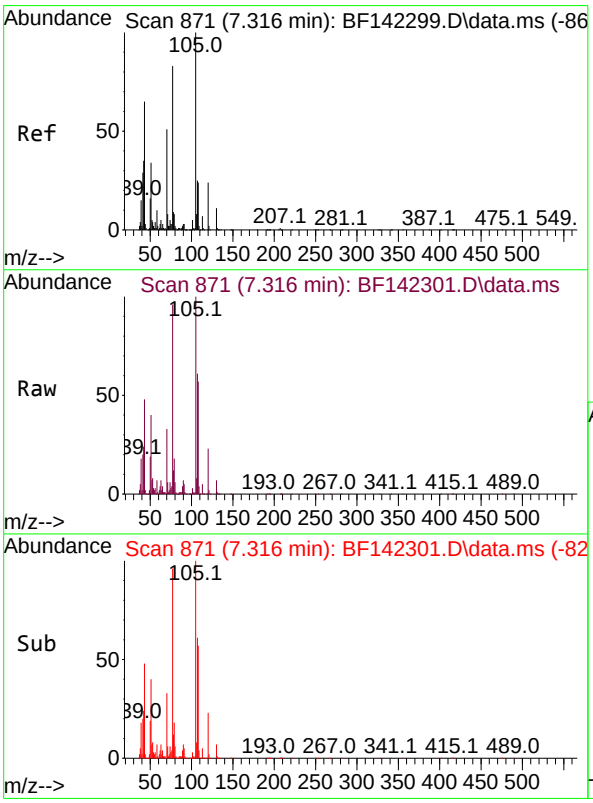
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	9.2	7.7	11.5
68	5.9	4.9	7.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

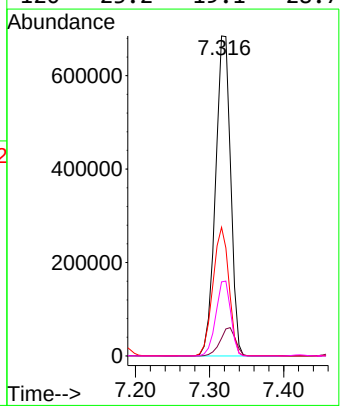
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

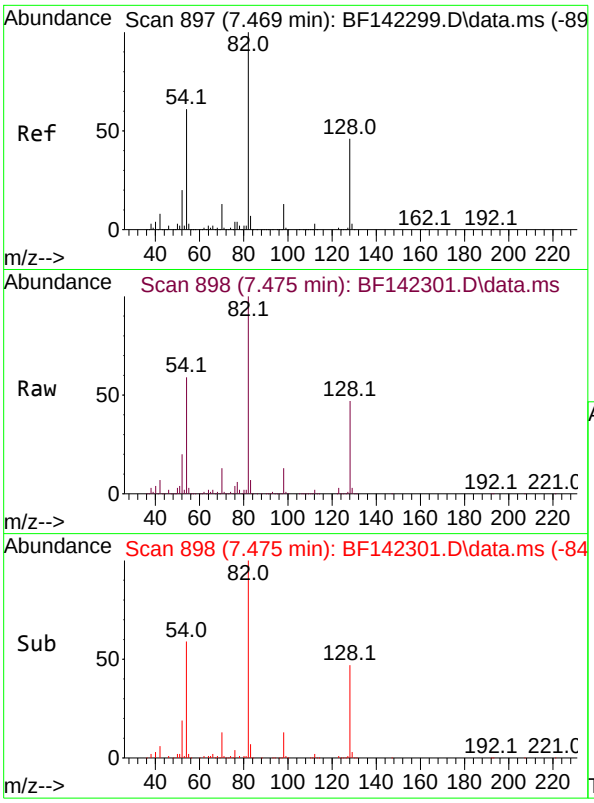


#22
Acetophenone
Concen: 56.476 ng
RT: 7.316 min Scan# 871
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:105 Resp: 972165

Ion	Ratio	Lower	Upper
105	100		
71	5.5	6.7	10.1#
51	40.2	27.6	41.4
120	23.2	19.1	28.7

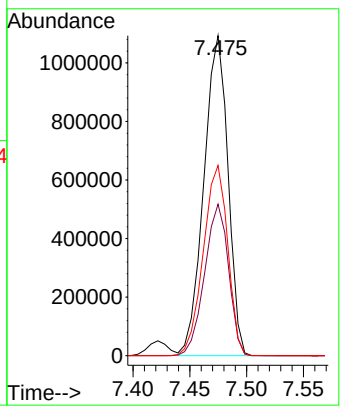




#23
Nitrobenzene-d5
Concen: 127.189 ng
RT: 7.475 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion: 82 Resp: 161455

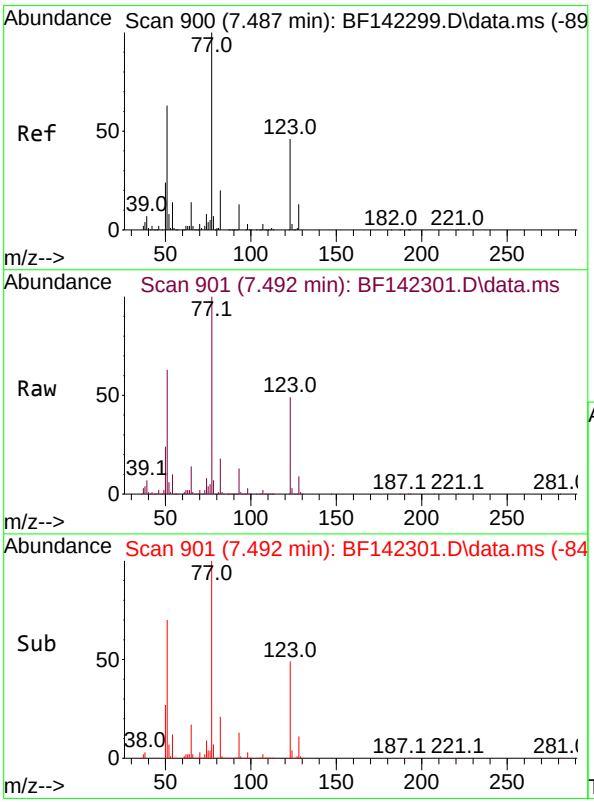
Ion	Ratio	Lower	Upper
82	100		
128	47.4	37.0	55.6
54	59.4	48.6	73.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

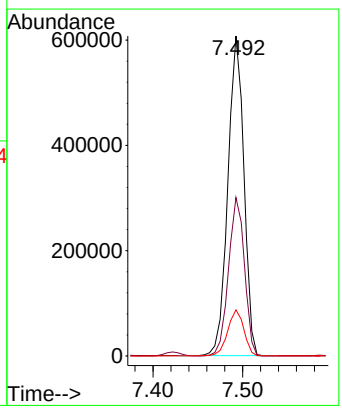
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

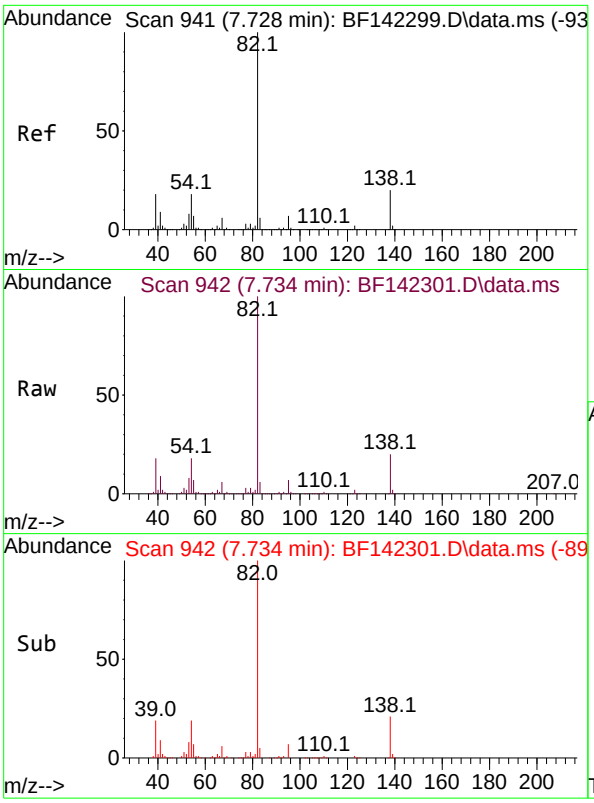


#24
Nitrobenzene
Concen: 62.999 ng
RT: 7.492 min Scan# 901
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion: 77 Resp: 753847

Ion	Ratio	Lower	Upper
77	100		
123	49.5	37.8	56.8
65	14.4	11.4	17.0

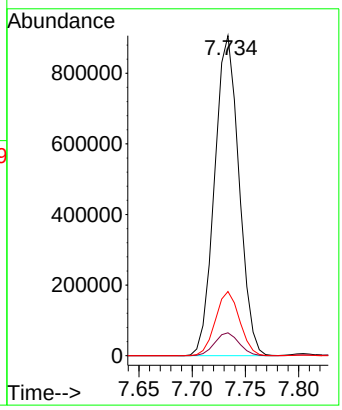




#25
Isophorone
Concen: 60.087 ng
RT: 7.734 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion: 82 Resp: 144439

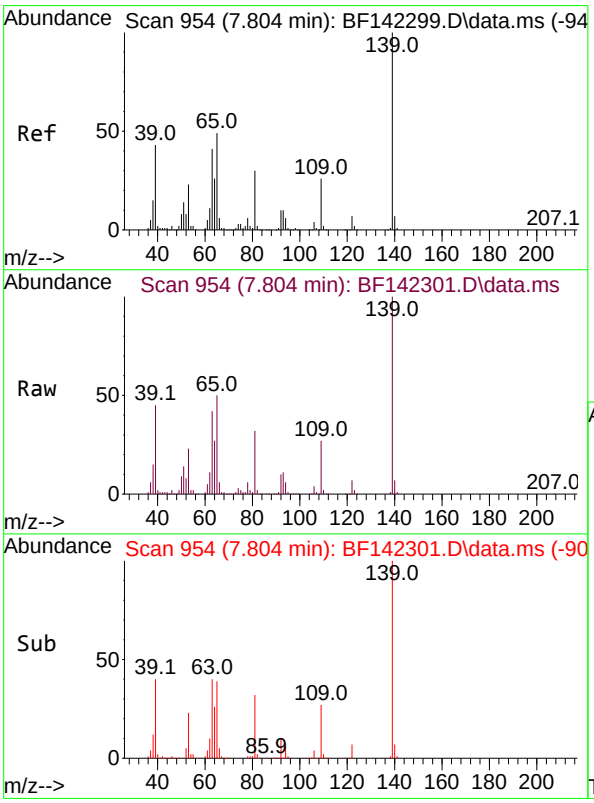
Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.8	8.8
138	20.1	16.1	24.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

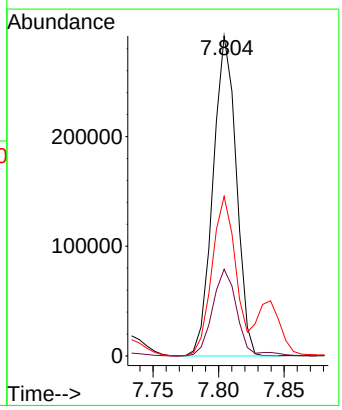
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

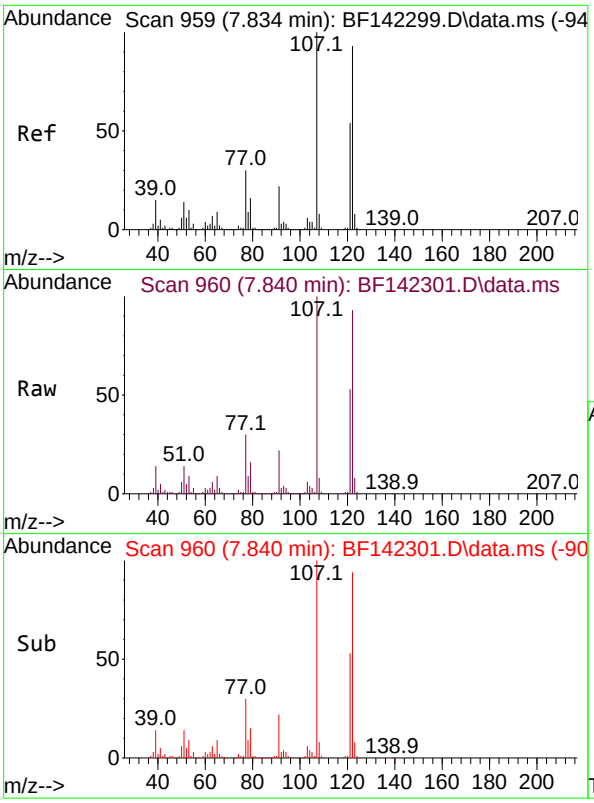


#26
2-Nitrophenol
Concen: 61.112 ng
RT: 7.804 min Scan# 954
Delta R.T. 0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:139 Resp: 359513

Ion	Ratio	Lower	Upper
139	100		
109	27.1	20.8	31.2
65	49.9	38.9	58.3

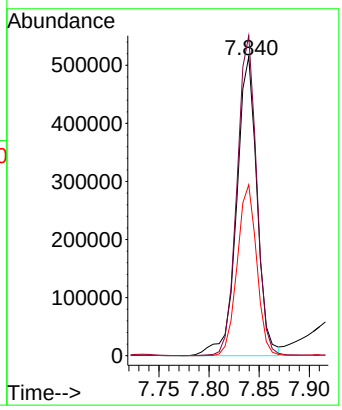




#27
2,4-Dimethylphenol
Concen: 60.325 ng
RT: 7.840 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:122 Resp: 72906

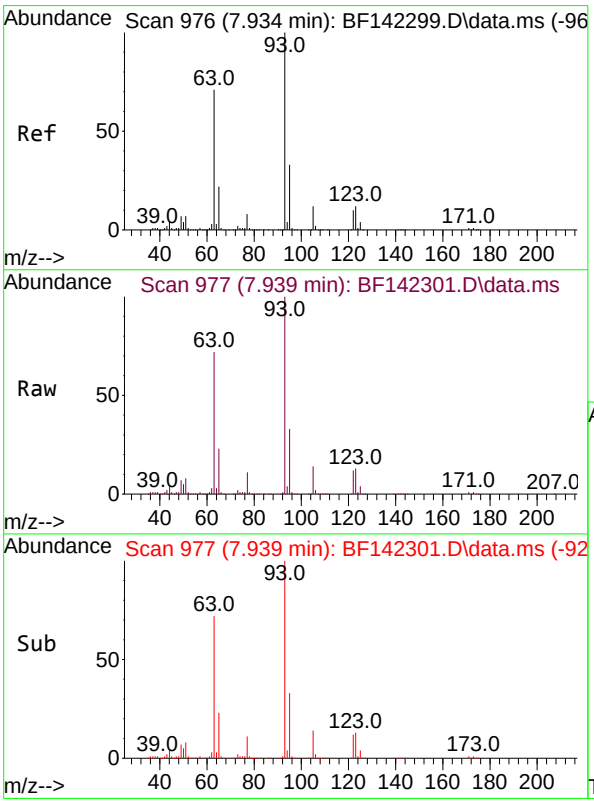
Ion	Ratio	Lower	Upper
122	100		
107	107.0	86.0	129.0
121	57.2	46.2	69.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

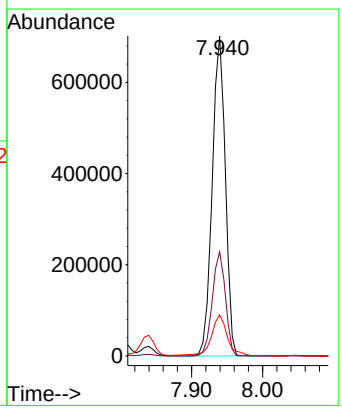
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

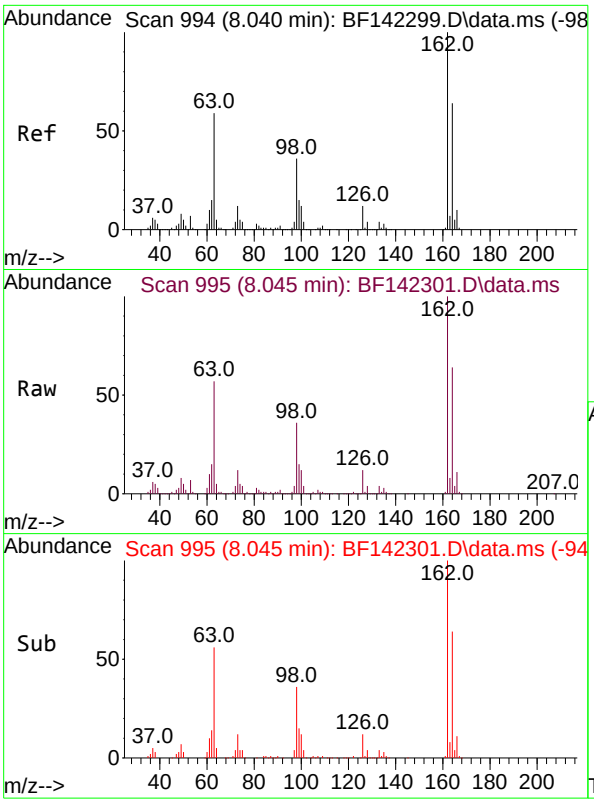


#28
bis(2-Chloroethoxy)methane
Concen: 58.015 ng
RT: 7.939 min Scan# 977
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion: 93 Resp: 896741

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.1	39.1
123	12.8	10.2	15.4





#29
2,4-Dichlorophenol
Concen: 61.967 ng
RT: 8.045 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

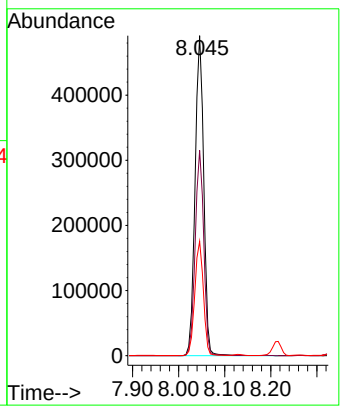
Tgt Ion:162 Resp: 63671

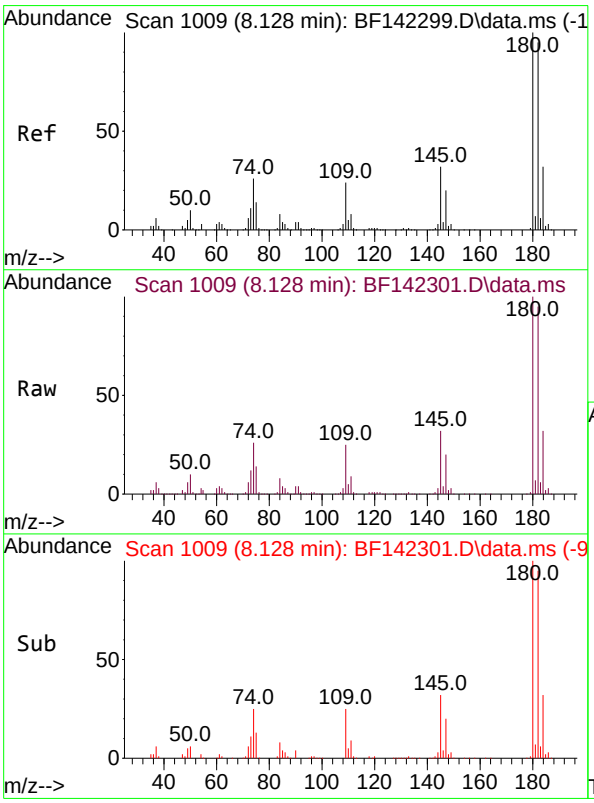
Ion	Ratio	Lower	Upper
162	100		
164	64.2	43.6	83.6
98	35.7	16.5	56.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

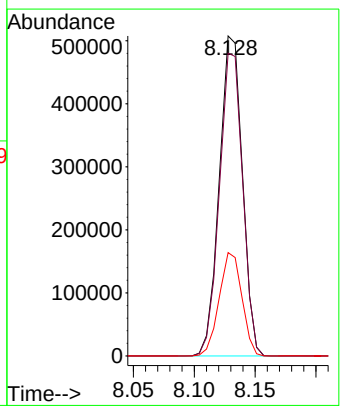


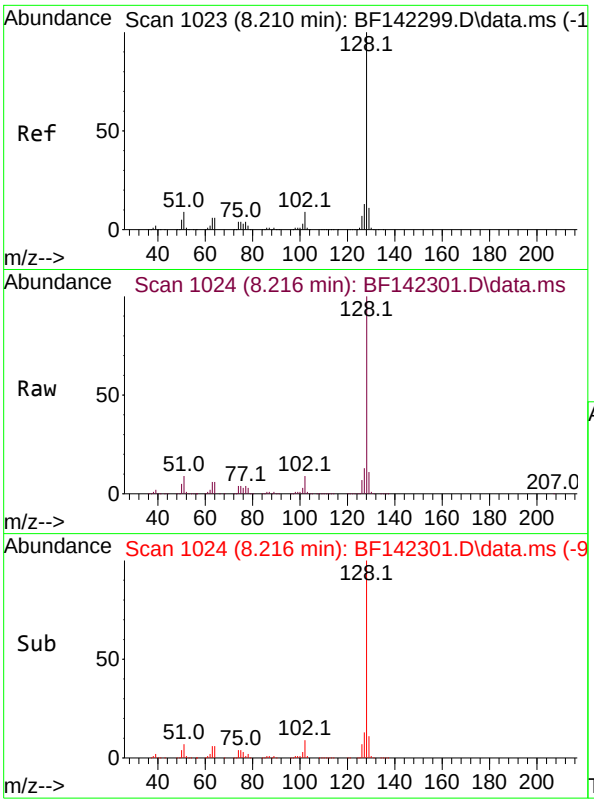


#30
1,2,4-Trichlorobenzene
Concen: 57.949 ng
RT: 8.128 min Scan# 1009
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:180 Resp: 670104

Ion	Ratio	Lower	Upper
180	100		
182	94.6	76.2	114.4
145	32.3	25.8	38.6





#31
Naphthalene
Concen: 56.052 ng
RT: 8.216 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

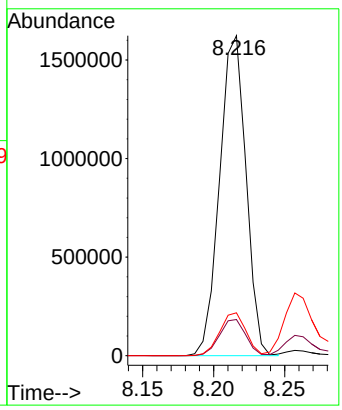
Tgt Ion:128 Resp: 210314

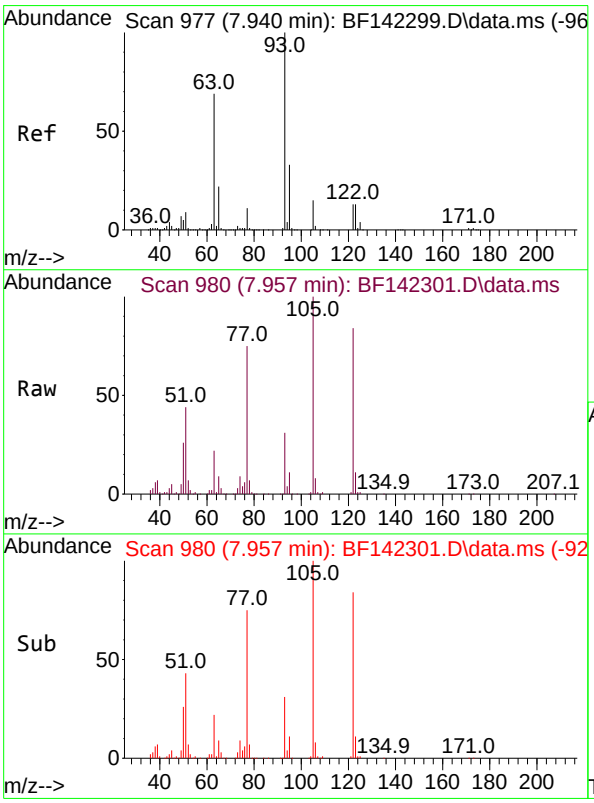
Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.1	13.7
127	13.4	10.5	15.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

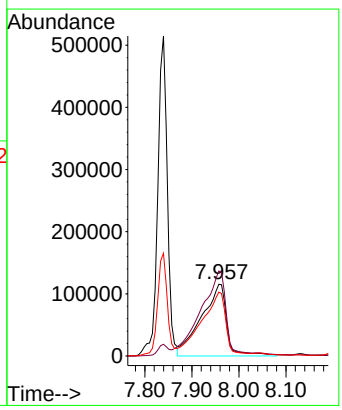


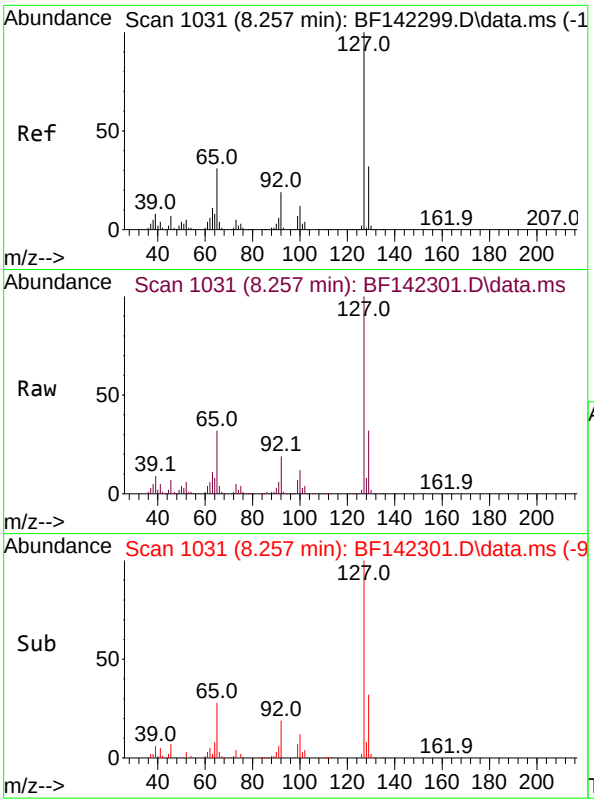


#32
Benzoic acid
Concen: 61.871 ng m
RT: 7.957 min Scan# 980
Delta R.T. 0.017 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:122 Resp: 433085

Ion	Ratio	Lower	Upper
122	100		
105	118.7	97.9	137.9
77	89.0	67.7	107.7

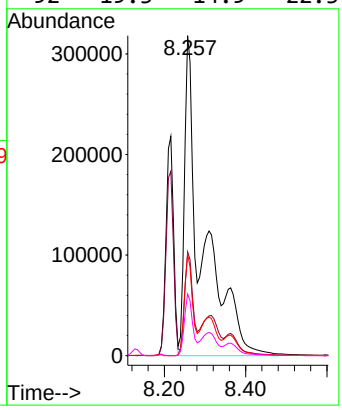




#33
4-Chloroaniline
Concen: 63.039 ng m
RT: 8.257 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:127 Resp: 96342

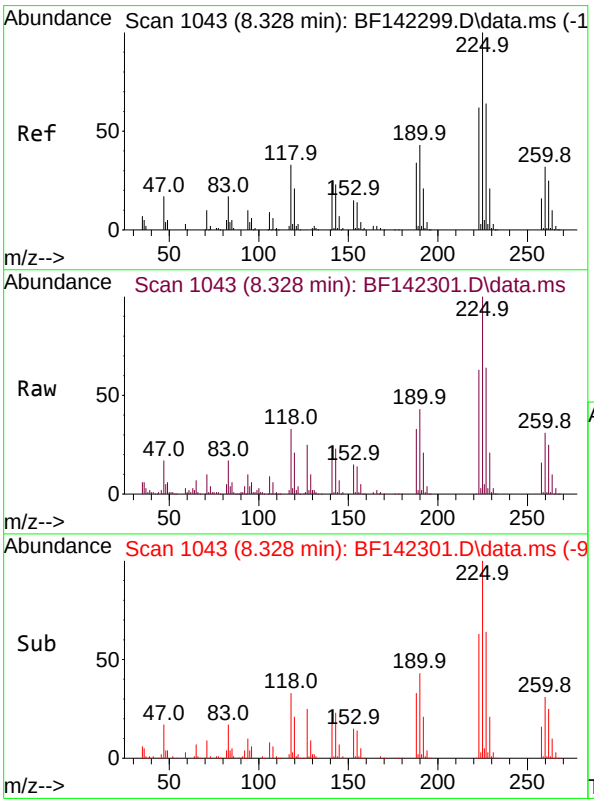
Ion	Ratio	Lower	Upper
127	100		
129	32.5	25.7	38.5
65	31.7	24.9	37.3
92	19.3	14.9	22.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

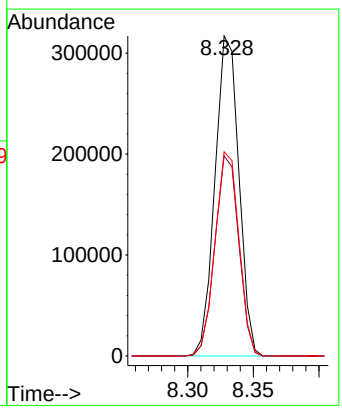
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

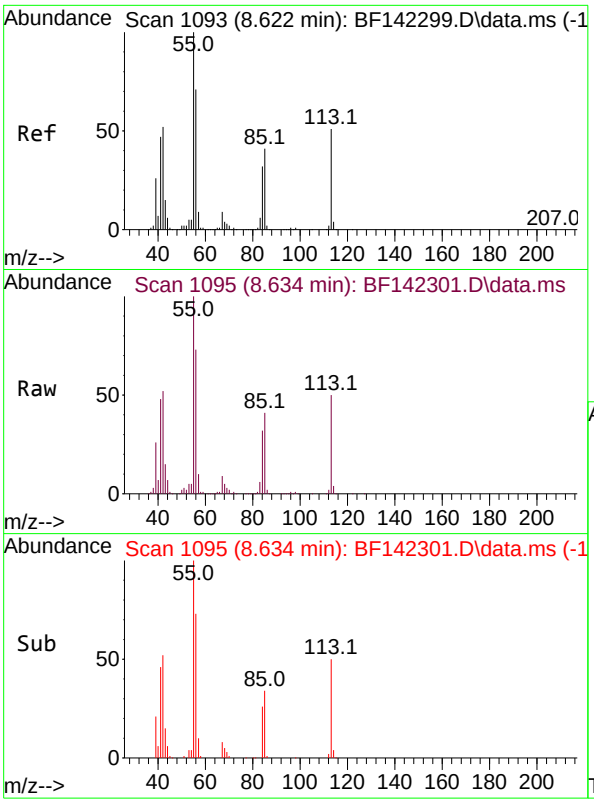


#34
Hexachlorobutadiene
Concen: 58.657 ng
RT: 8.328 min Scan# 1043
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:225 Resp: 401644

Ion	Ratio	Lower	Upper
225	100		
223	62.6	49.8	74.6
227	63.8	50.9	76.3

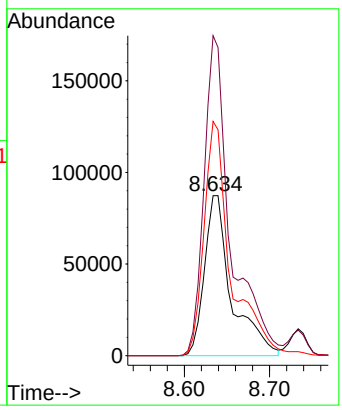




#35
Caprolactam
Concen: 64.619 ng
RT: 8.634 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:113 Resp: 19309

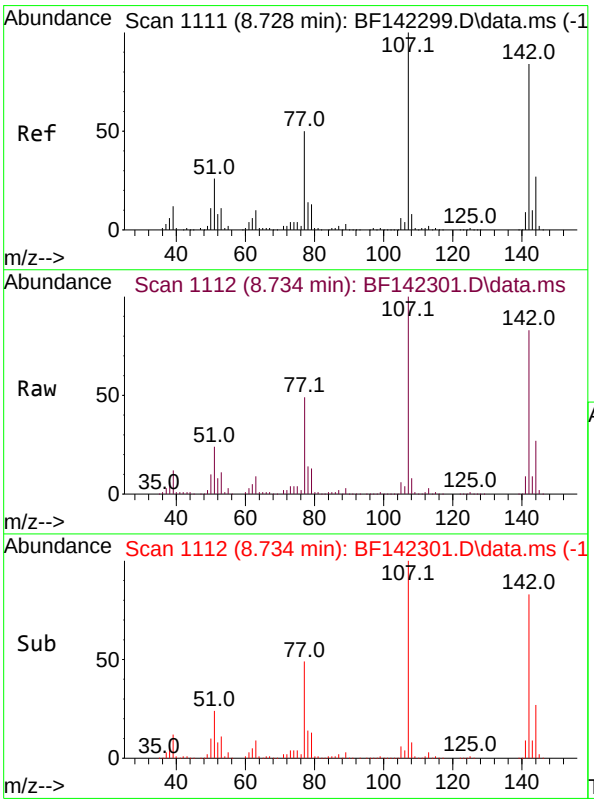
Ion	Ratio	Lower	Upper
113	100		
55	200.0	176.4	216.4
56	146.4	120.3	160.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

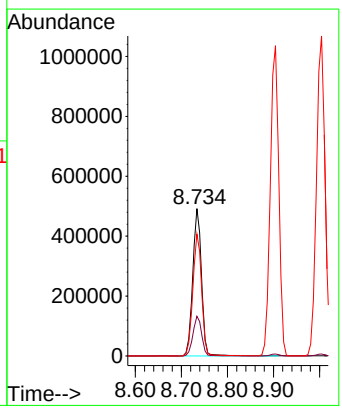
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

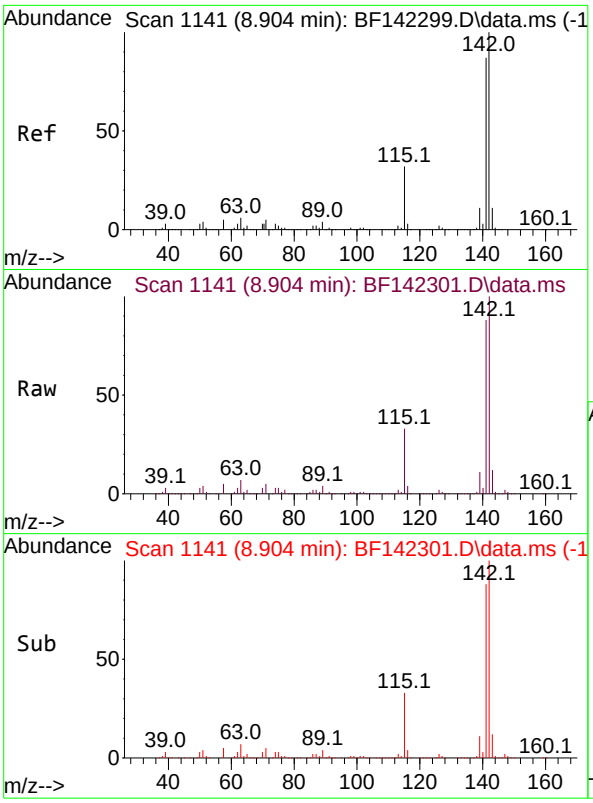


#36
4-Chloro-3-methylphenol
Concen: 60.738 ng
RT: 8.734 min Scan# 1112
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:107 Resp: 648747

Ion	Ratio	Lower	Upper
107	100		
144	26.9	21.3	31.9
142	82.8	66.9	100.3

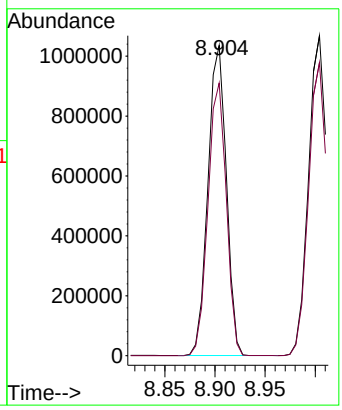




#37
2-Methylnaphthalene
Concen: 56.607 ng
RT: 8.904 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:142 Resp: 131979

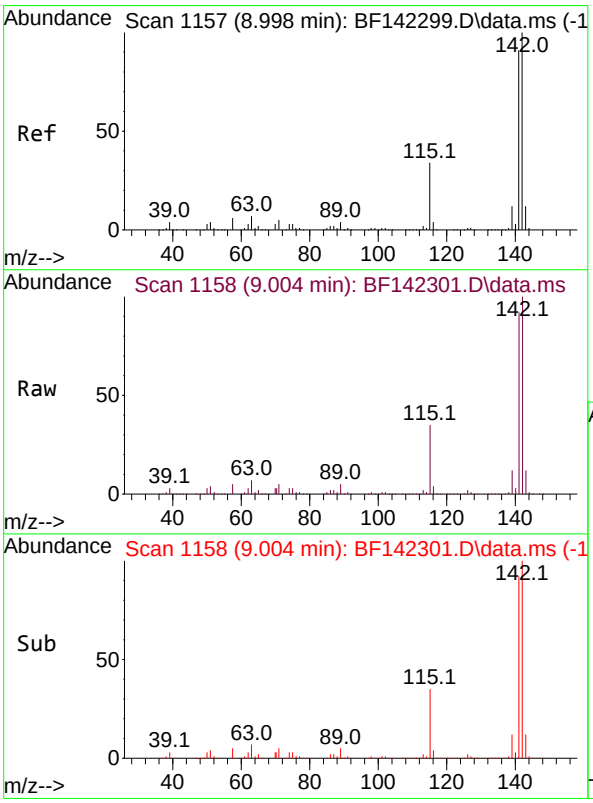
Ion	Ratio	Lower	Upper
142	100		
141	87.9	69.4	104.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

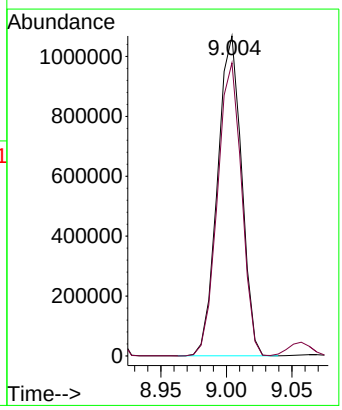
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

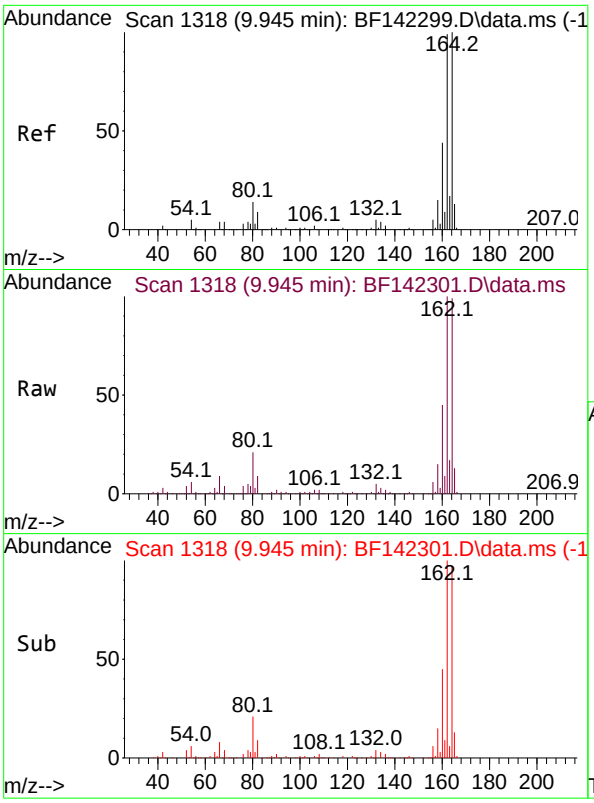


#38
1-Methylnaphthalene
Concen: 56.109 ng
RT: 9.004 min Scan# 1158
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:142 Resp: 1363474

Ion	Ratio	Lower	Upper
142	100		
141	91.6	72.5	108.7

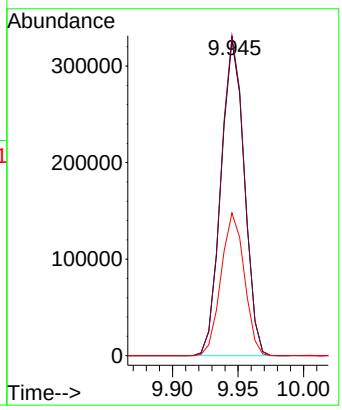




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:164 Resp: 40349

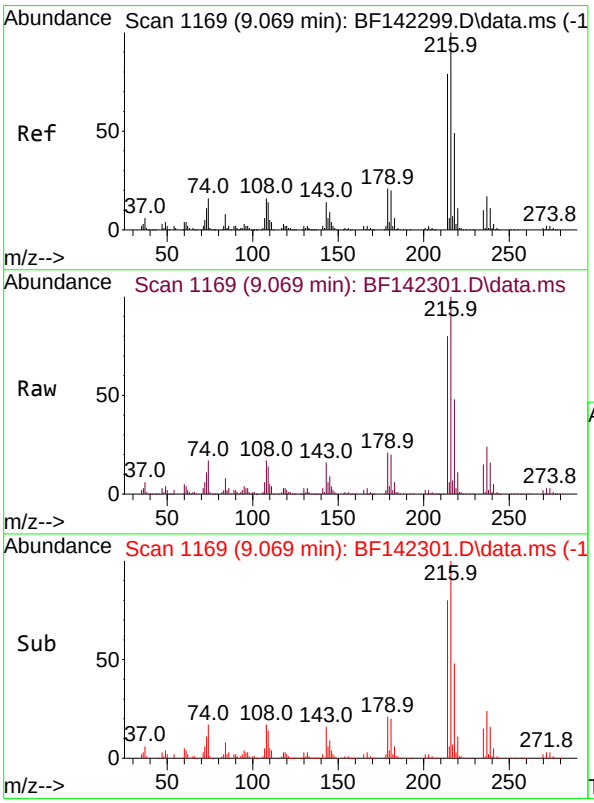
Ion	Ratio	Lower	Upper
164	100		
162	101.4	79.2	118.8
160	45.2	35.3	52.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

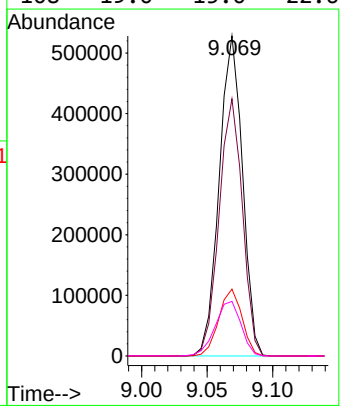
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

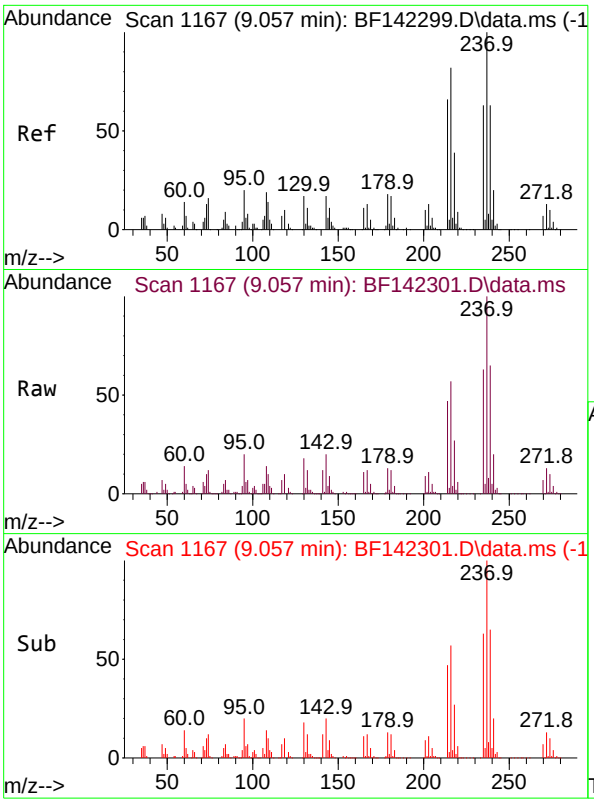


#40
1,2,4,5-Tetrachlorobenzene
Concen: 57.740 ng
RT: 9.069 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:216 Resp: 650696

Ion	Ratio	Lower	Upper
216	100		
214	80.3	63.8	95.6
179	20.9	17.0	25.6
108	19.0	15.0	22.6





#41
Hexachlorocyclopentadiene
Concen: 65.925 ng
RT: 9.057 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

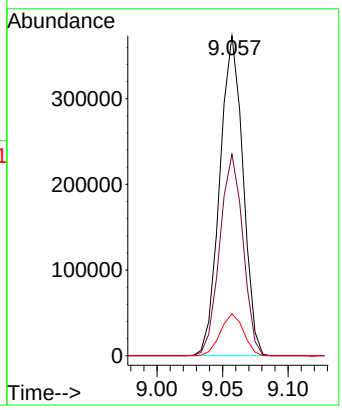
Tgt Ion:237 Resp: 45914

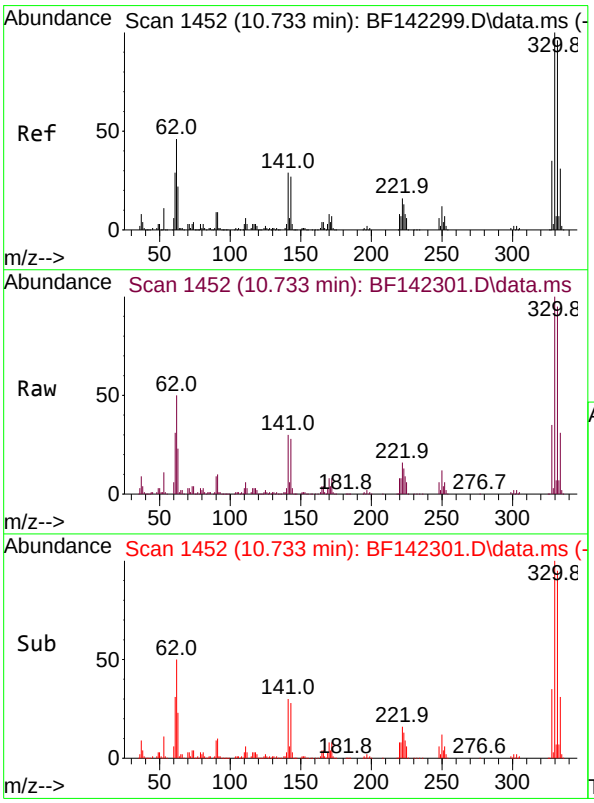
Ion	Ratio	Lower	Upper
237	100		
235	62.9	42.8	82.8
272	13.1	0.0	33.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

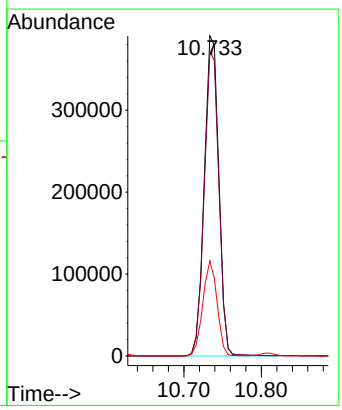


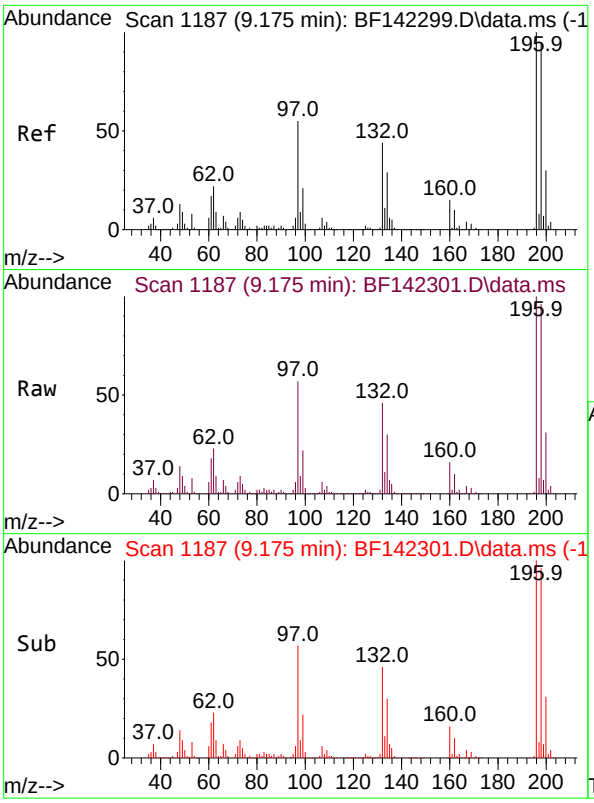


#42
2,4,6-Tribromophenol
Concen: 130.732 ng
RT: 10.733 min Scan# 1452
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:330 Resp: 509292

Ion	Ratio	Lower	Upper
330	100		
332	95.4	76.8	115.2
141	29.1	24.9	37.3

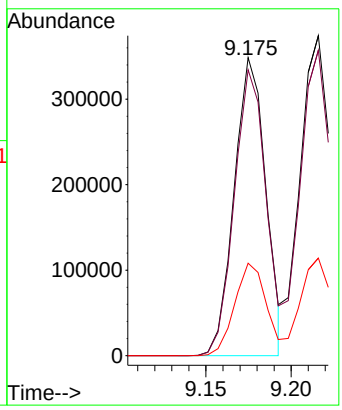




#43
2,4,6-Trichlorophenol
Concen: 63.143 ng
RT: 9.175 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:196 Resp: 44883

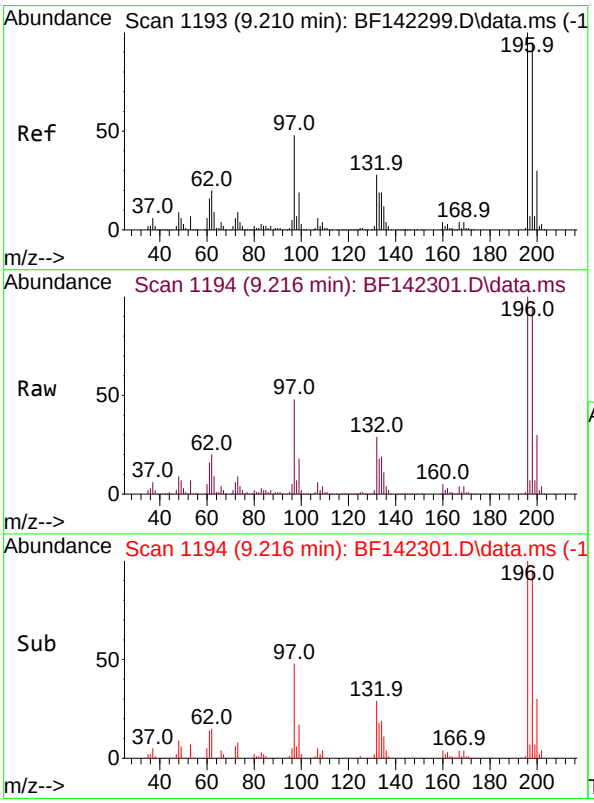
Ion	Ratio	Lower	Upper
196	100		
198	95.9	75.4	113.0
200	31.0	24.3	36.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

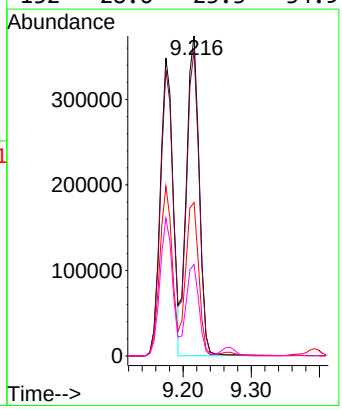
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

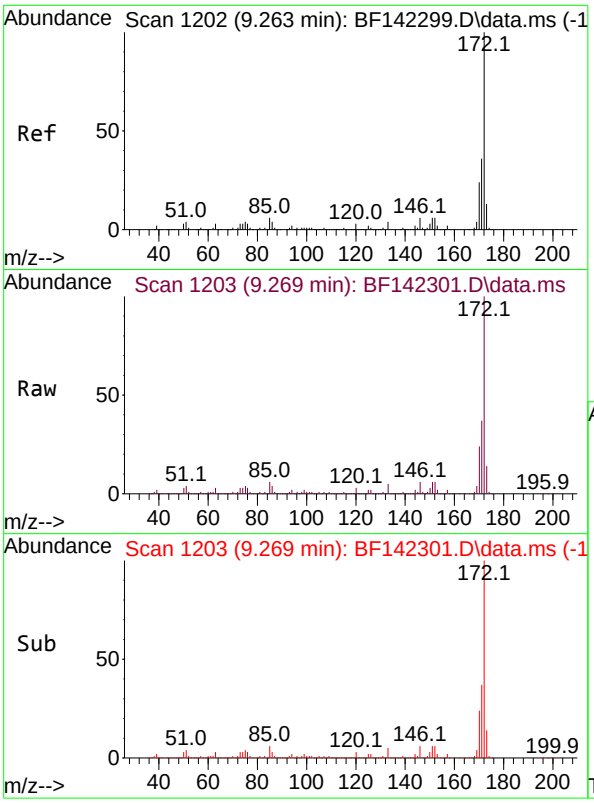


#44
2,4,5-Trichlorophenol
Concen: 63.505 ng
RT: 9.216 min Scan# 1194
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:196 Resp: 480305

Ion	Ratio	Lower	Upper
196	100		
198	95.5	76.1	114.1
97	47.9	39.0	58.4
132	28.6	23.3	34.9

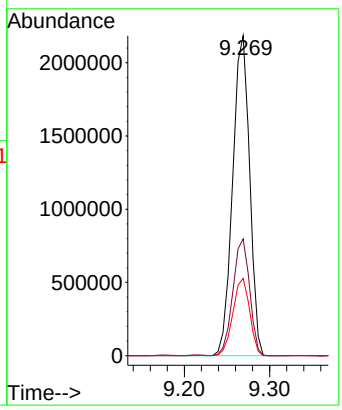




#45
2-Fluorobiphenyl
Concen: 106.576 ng
RT: 9.269 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:172 Resp: 301592

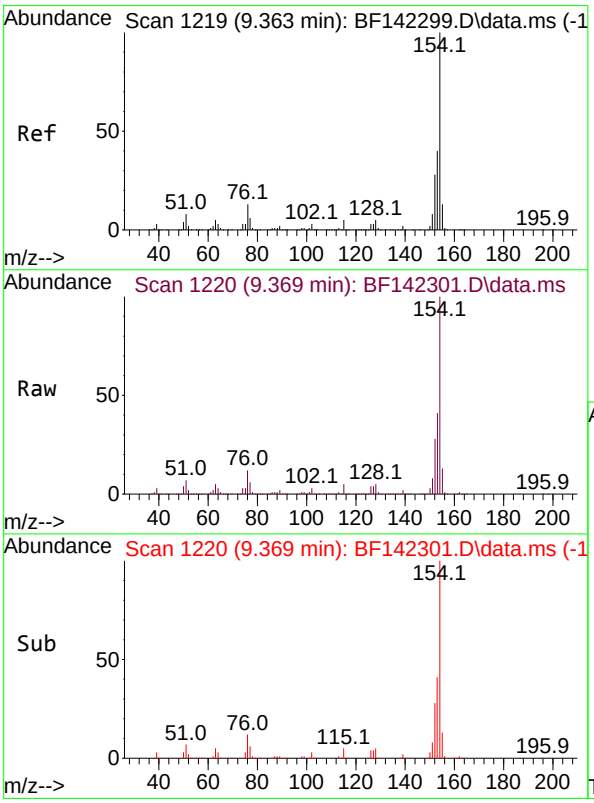
Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.6	42.8
170	24.2	19.0	28.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

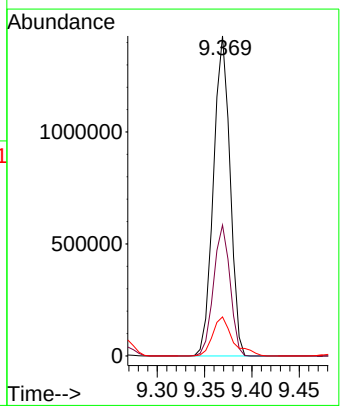
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

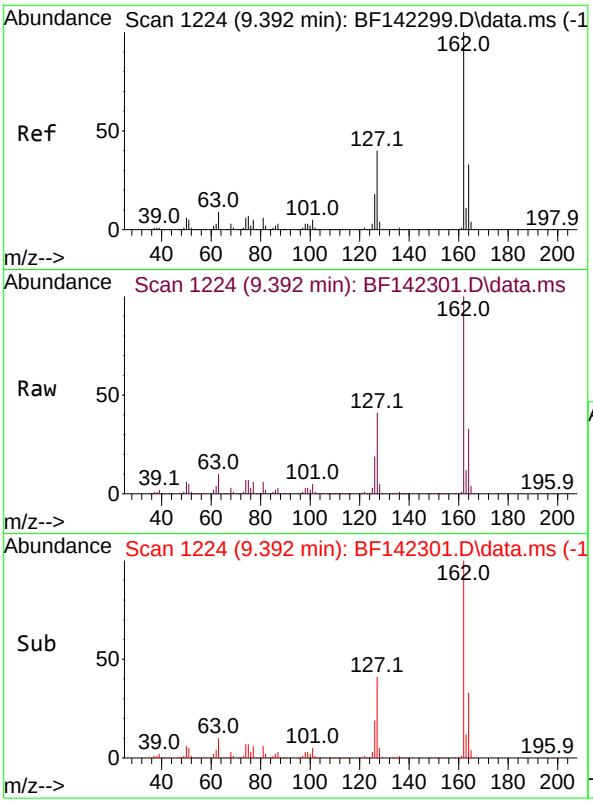


#46
1,1'-Biphenyl
Concen: 56.417 ng
RT: 9.369 min Scan# 1220
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:154 Resp: 1745424

Ion	Ratio	Lower	Upper
154	100		
153	40.9	20.5	60.5
76	12.2	0.0	32.8

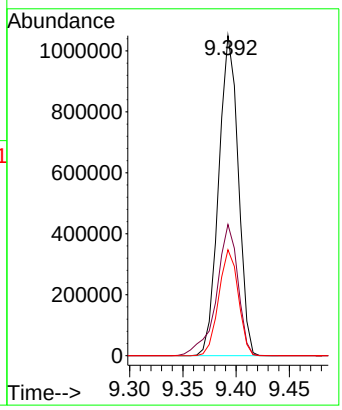




#47
2-Chloronaphthalene
Concen: 58.169 ng
RT: 9.392 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:162 Resp: 133833

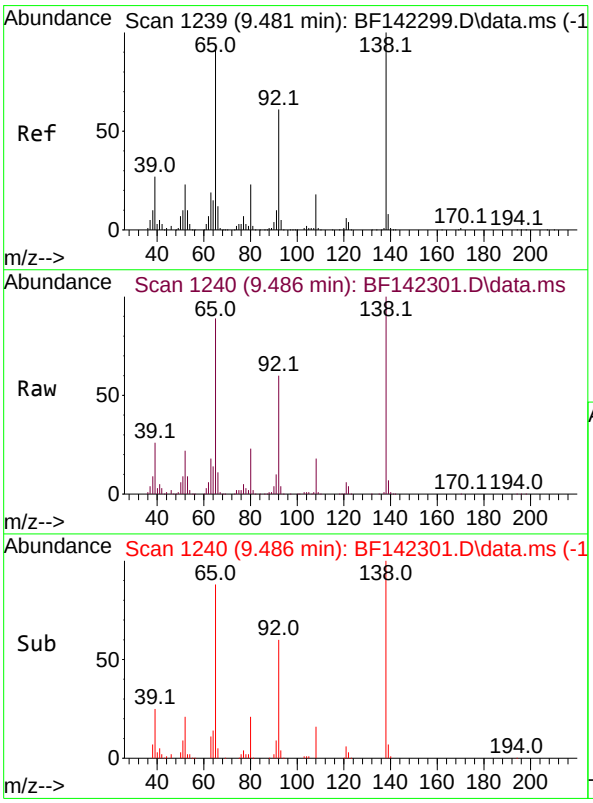
Ion	Ratio	Lower	Upper
162	100		
127	41.0	32.3	48.5
164	33.1	26.6	40.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

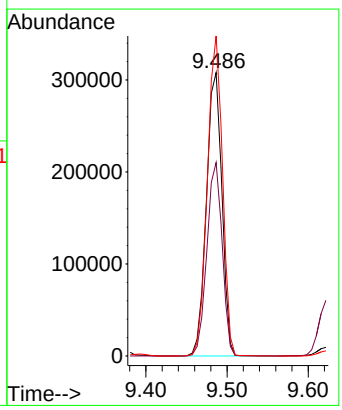
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

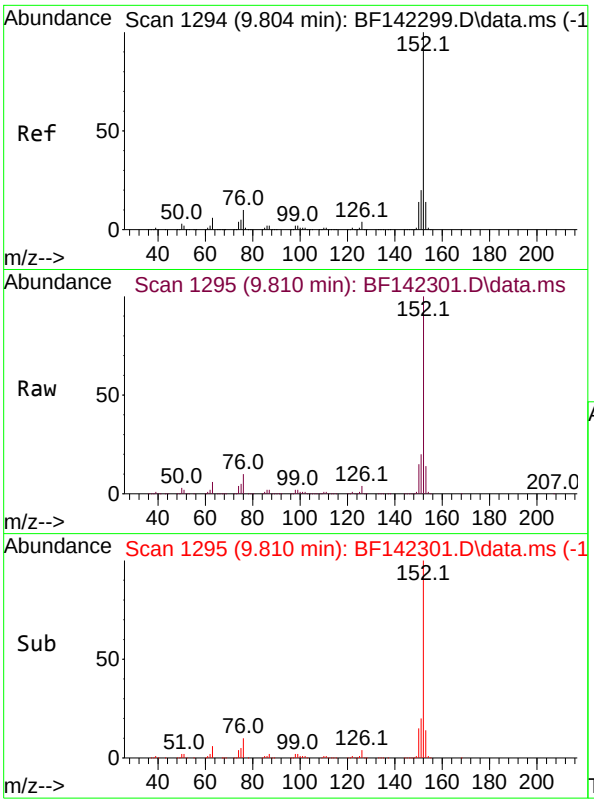


#48
2-Nitroaniline
Concen: 69.160 ng
RT: 9.486 min Scan# 1240
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion: 65 Resp: 407862

Ion	Ratio	Lower	Upper
65	100		
92	68.3	52.3	78.5
138	112.9	85.6	128.4

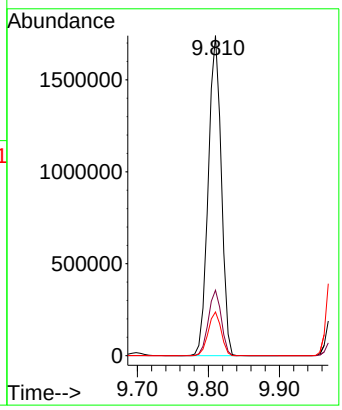




#49
Acenaphthylene
Concen: 57.569 ng
RT: 9.810 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:152 Resp: 221577

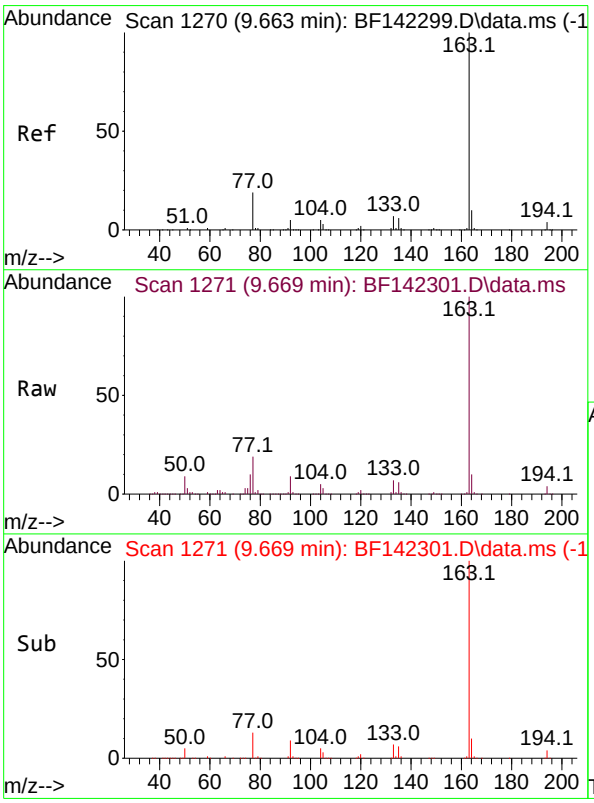
Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.0	24.0
153	13.6	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

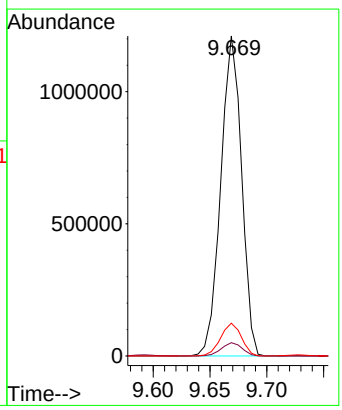
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

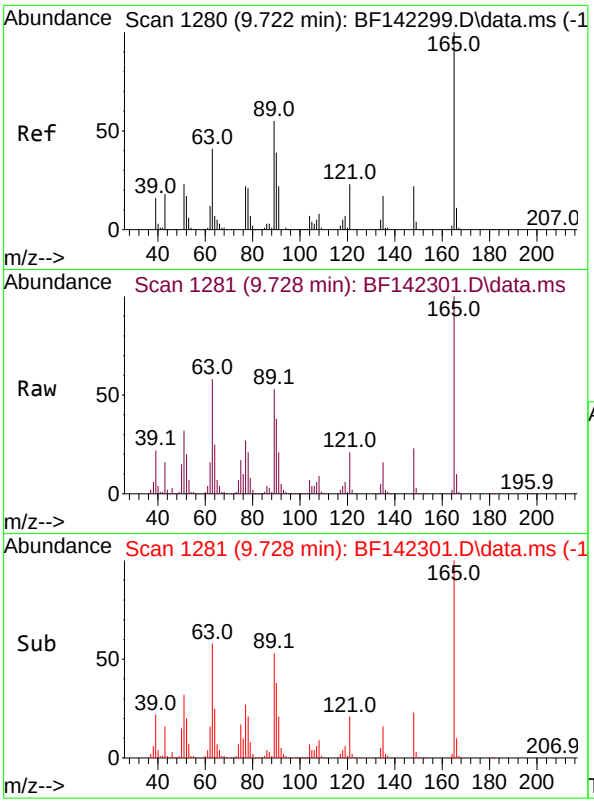


#50
Dimethylphthalate
Concen: 59.587 ng
RT: 9.669 min Scan# 1271
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:163 Resp: 1543896

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.2	4.8
164	10.2	8.3	12.5





#51
2,6-Dinitrotoluene
Concen: 68.237 ng
RT: 9.728 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

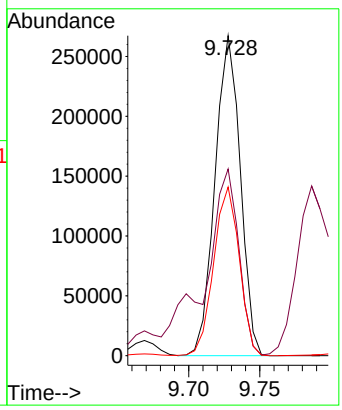
Tgt Ion:165 Resp: 33093

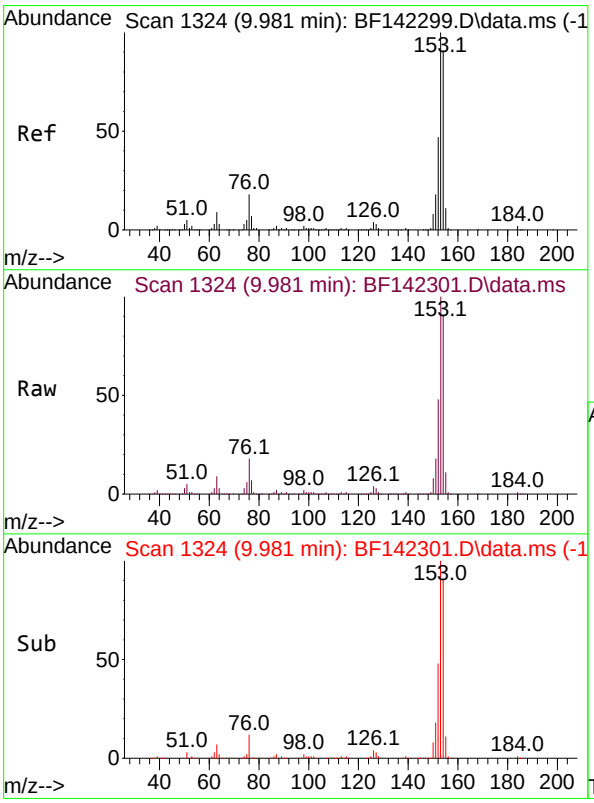
Ion	Ratio	Lower	Upper
165	100		
63	58.4	49.5	74.3
89	52.7	44.6	66.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

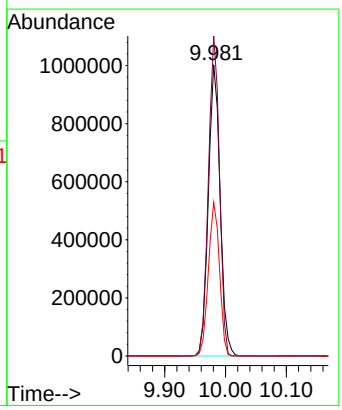


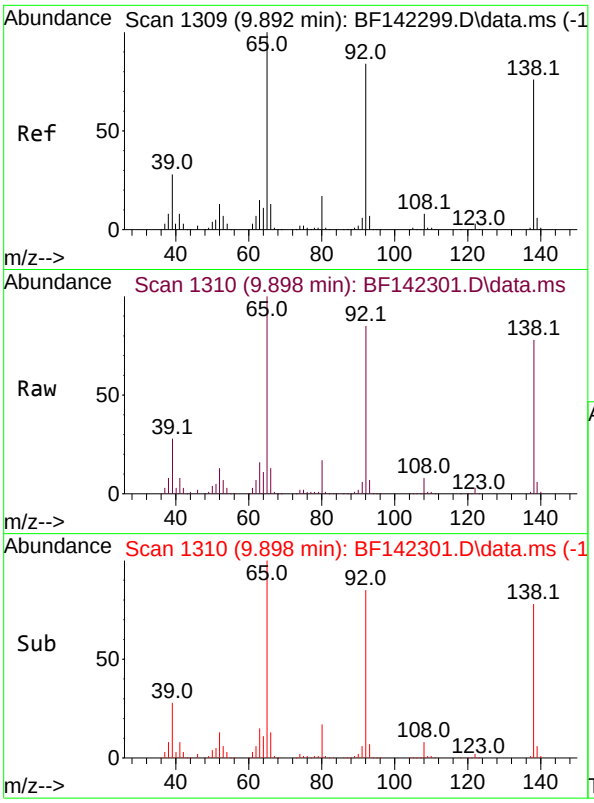


#52
Acenaphthene
Concen: 58.133 ng
RT: 9.981 min Scan# 1324
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:154 Resp: 1345347

Ion	Ratio	Lower	Upper
154	100		
153	109.9	88.0	132.0
152	52.7	41.6	62.4





#53
3-Nitroaniline
Concen: 67.787 ng
RT: 9.898 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

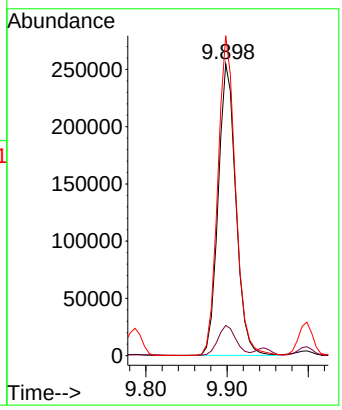
Tgt Ion:138 Resp: 38556

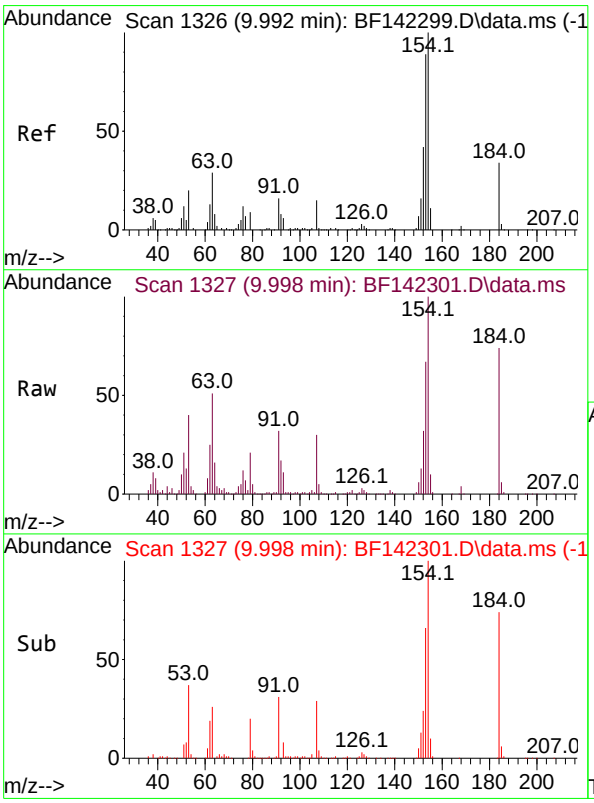
Ion	Ratio	Lower	Upper
138	100		
108	10.4	8.7	13.1
92	109.6	89.5	134.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

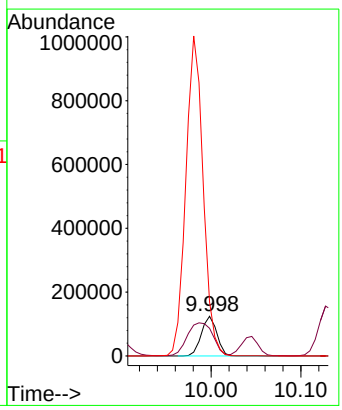


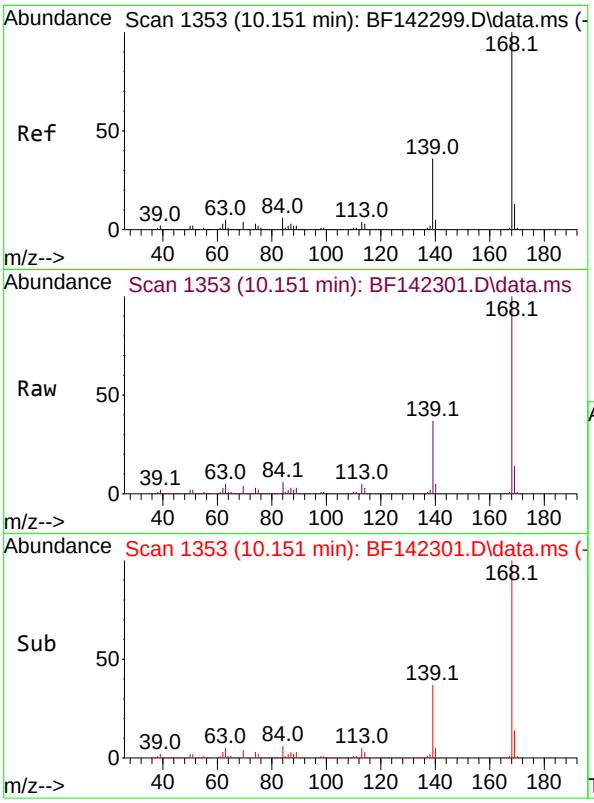


#54
2,4-Dinitrophenol
Concen: 61.014 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:184 Resp: 149707

Ion	Ratio	Lower	Upper
184	100		
63	69.6	70.6	105.8#
154	135.7	257.2	385.8#

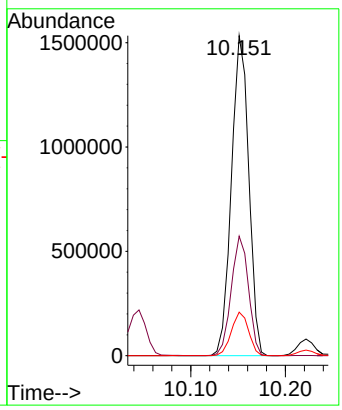




#55
Dibenzofuran
Concen: 57.013 ng
RT: 10.151 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:168 Resp: 194724

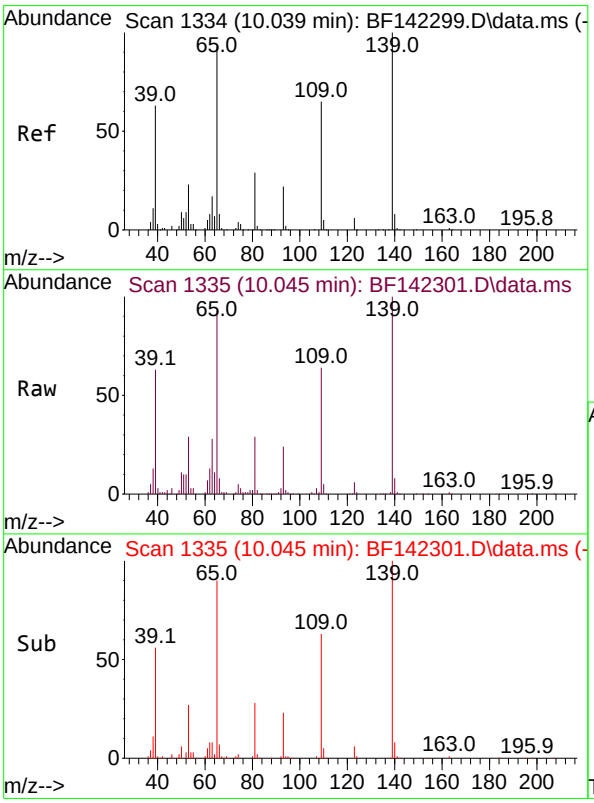
Ion	Ratio	Lower	Upper
168	100		
139	37.3	29.0	43.4
169	13.6	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

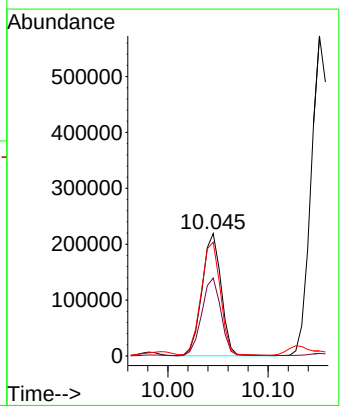
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

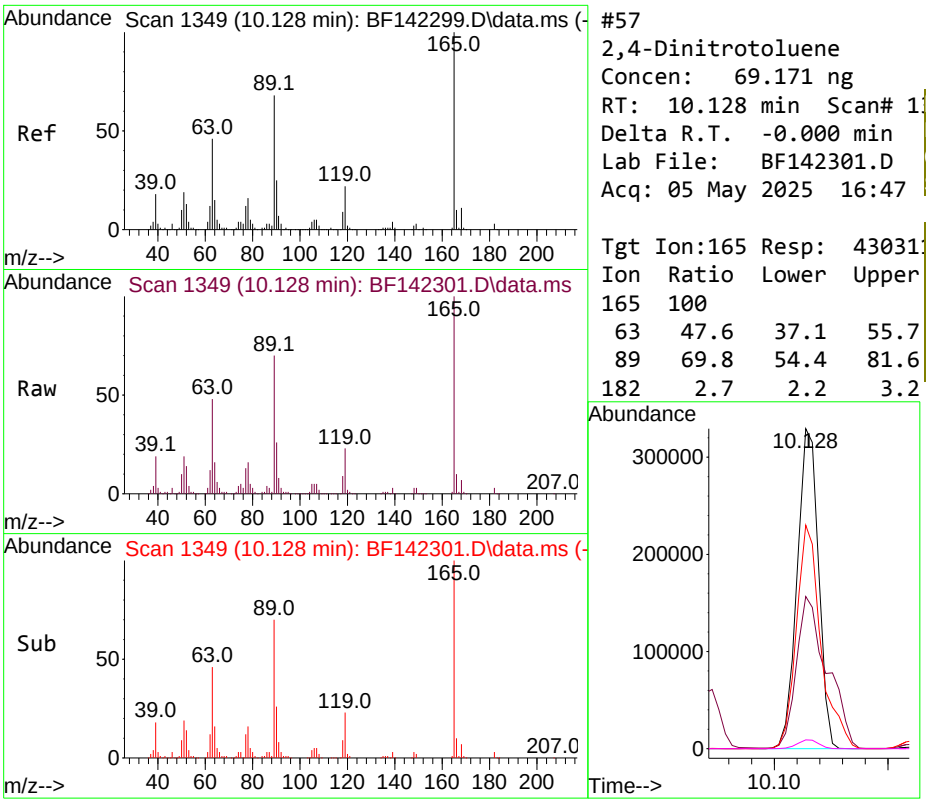


#56
4-Nitrophenol
Concen: 67.801 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:139 Resp: 290245

Ion	Ratio	Lower	Upper
139	100		
109	63.7	45.3	85.3
65	93.0	73.9	113.9





#57
2,4-Dinitrotoluene
Concen: 69.171 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

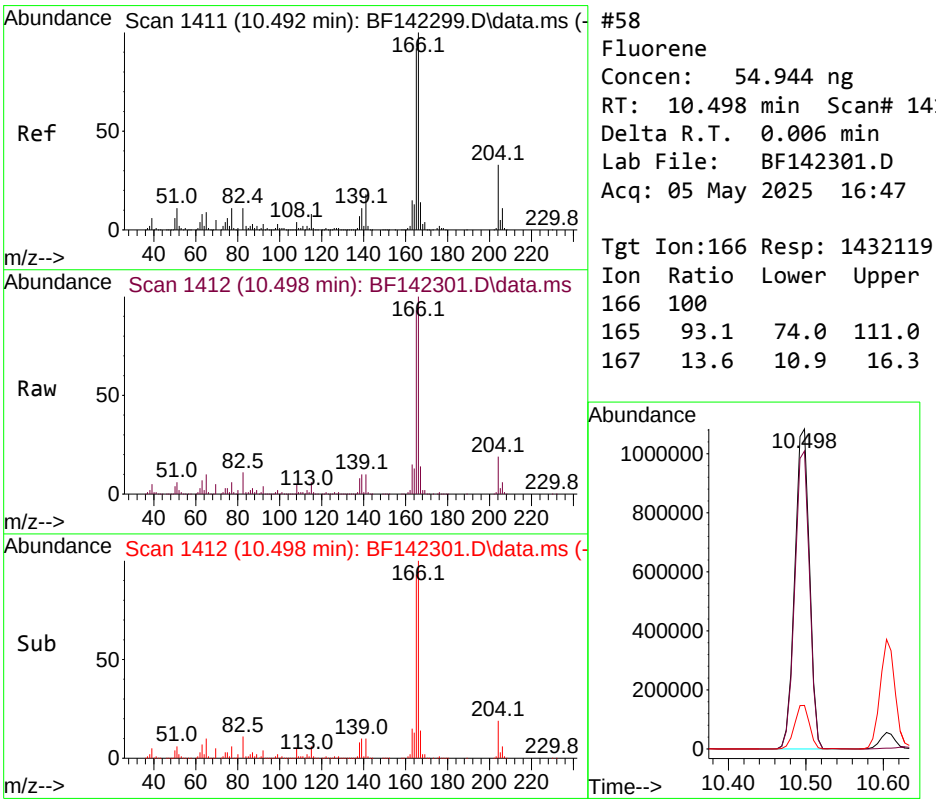
Tgt Ion:165 Resp: 43031

Ion	Ratio	Lower	Upper
165	100		
63	47.6	37.1	55.7
89	69.8	54.4	81.6
182	2.7	2.2	3.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

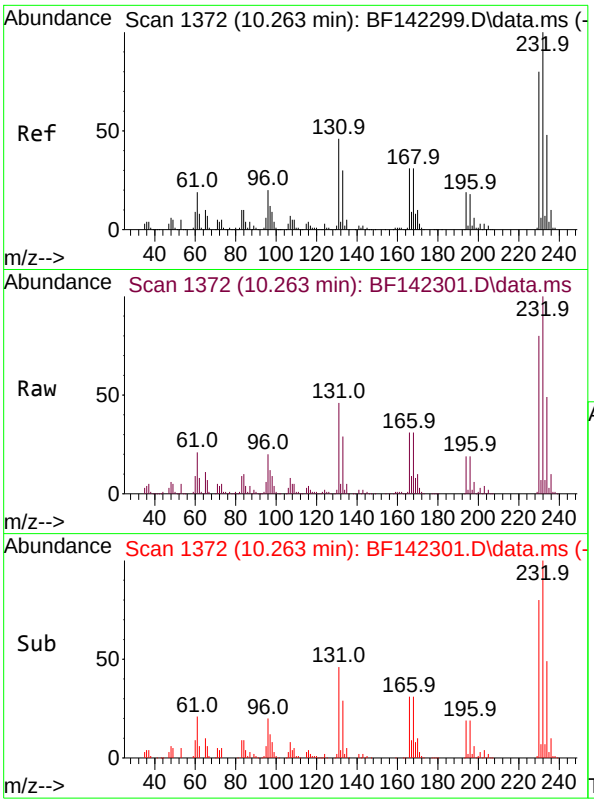
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#58
Fluorene
Concen: 54.944 ng
RT: 10.498 min Scan# 1412
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:166 Resp: 1432119

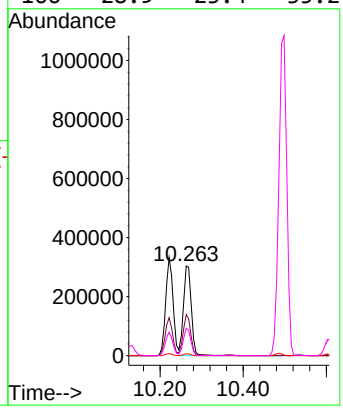
Ion	Ratio	Lower	Upper
166	100		
165	93.1	74.0	111.0
167	13.6	10.9	16.3



#59
2,3,4,6-Tetrachlorophenol
Concen: 63.842 ng
RT: 10.263 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:232 Resp: 39860

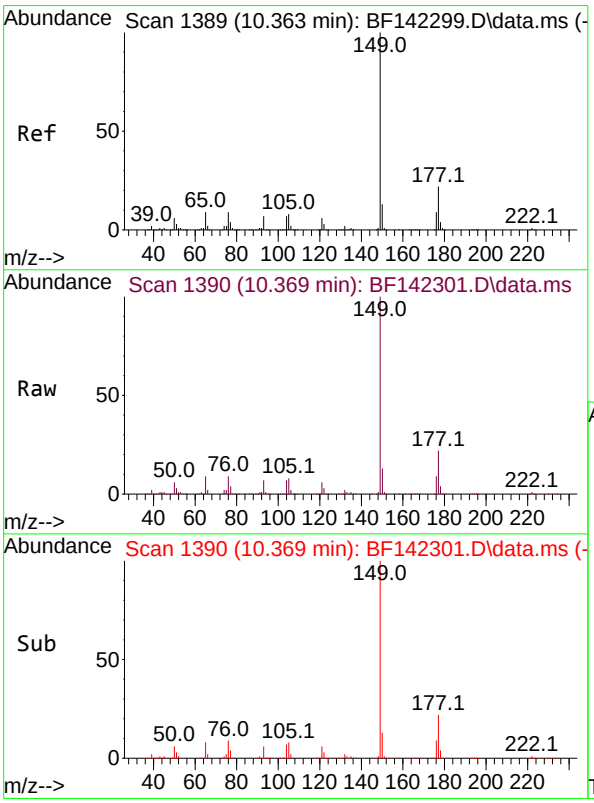
Ion	Ratio	Lower	Upper
232	100		
131	43.2	36.0	54.0
130	2.0	1.8	2.6
166	28.9	23.4	35.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

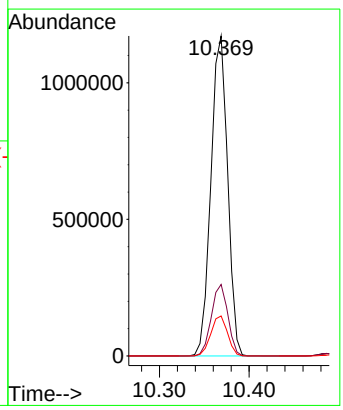
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

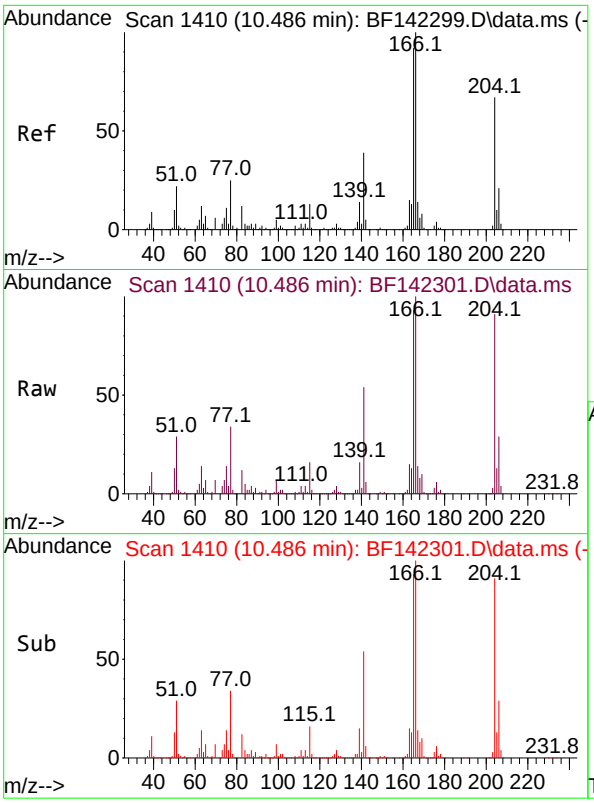


#60
Diethylphthalate
Concen: 58.568 ng
RT: 10.369 min Scan# 1390
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:149 Resp: 1515452

Ion	Ratio	Lower	Upper
149	100		
177	22.4	17.6	26.4
150	12.5	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 56.782 ng
RT: 10.486 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

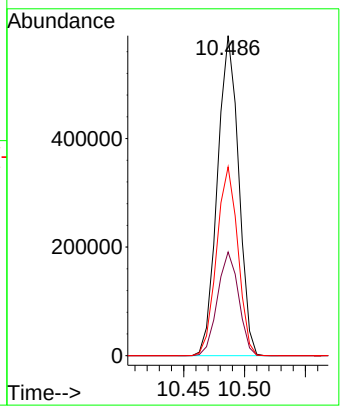
Tgt Ion:204 Resp: 71404

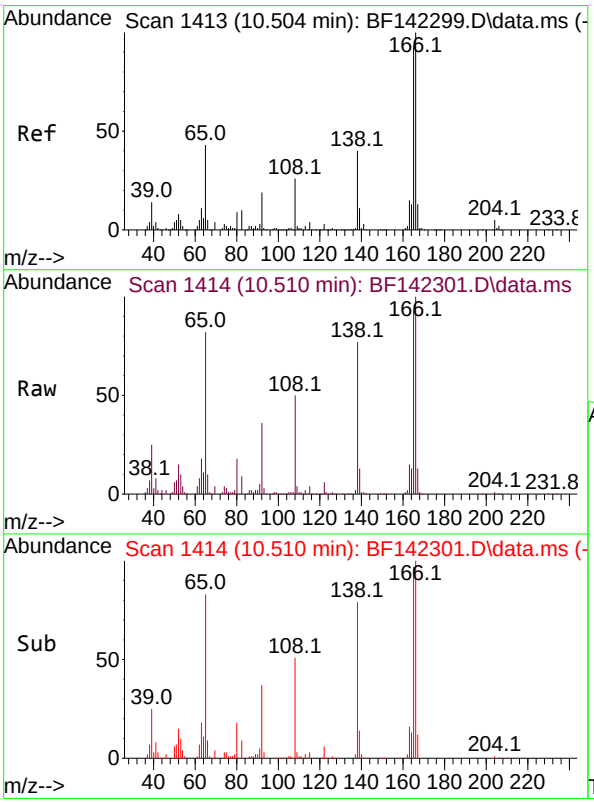
Ion	Ratio	Lower	Upper
204	100		
206	32.4	25.5	38.3
141	59.0	46.4	69.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

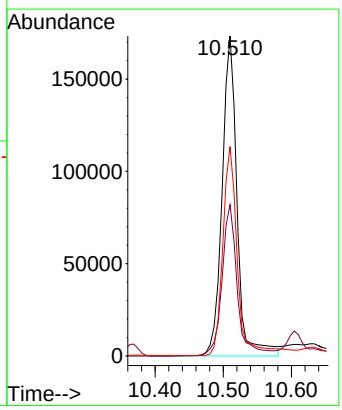


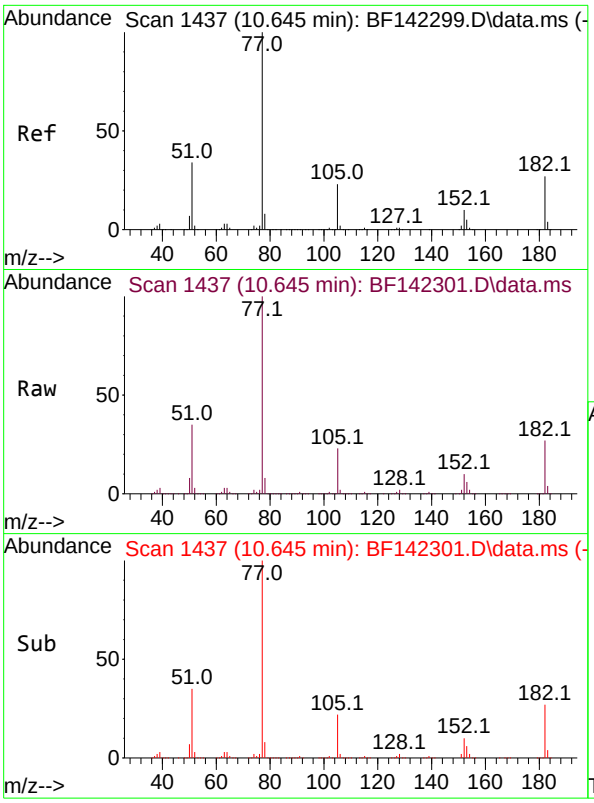


#62
4-Nitroaniline
Concen: 58.823 ng
RT: 10.510 min Scan# 1414
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:138 Resp: 265178

Ion	Ratio	Lower	Upper
138	100		
92	47.3	27.3	67.3
108	65.4	45.1	85.1

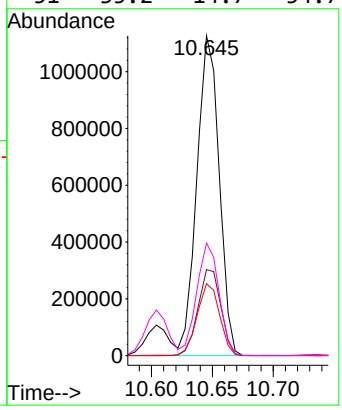




#63
Azobenzene
Concen: 58.009 ng
RT: 10.645 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion: 77 Resp: 143429

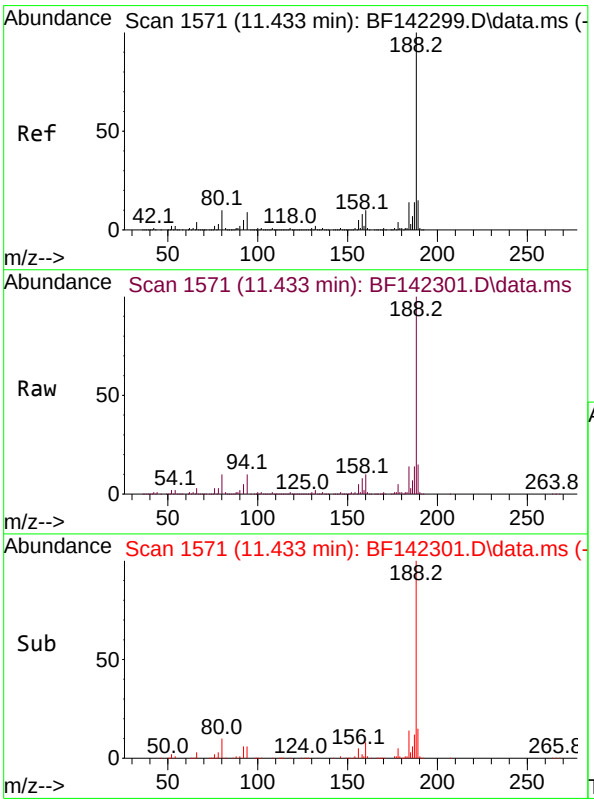
Ion	Ratio	Lower	Upper
77	100		
182	26.9	6.9	46.9
105	22.5	2.7	42.7
51	35.2	14.7	54.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

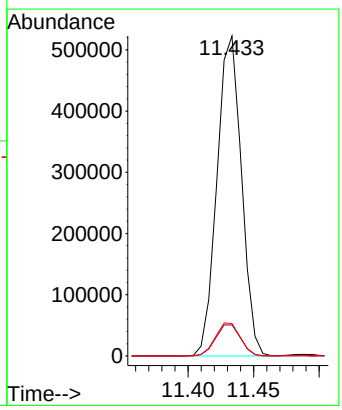
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

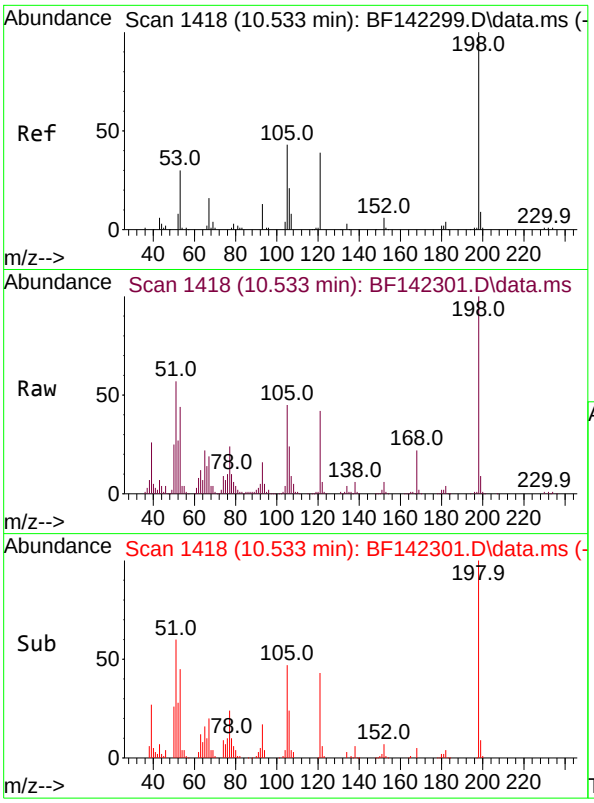


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:188 Resp: 678705

Ion	Ratio	Lower	Upper
188	100		
94	9.7	7.5	11.3
80	10.1	7.9	11.9





#65
4,6-Dinitro-2-methylphenol
Concen: 60.816 ng
RT: 10.533 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

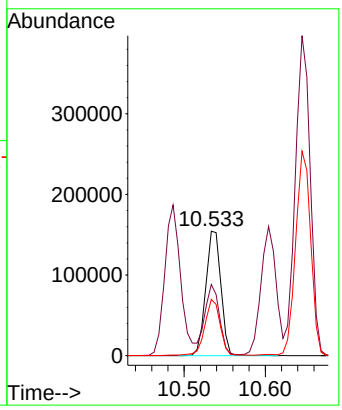
Tgt Ion:198 Resp: 19954

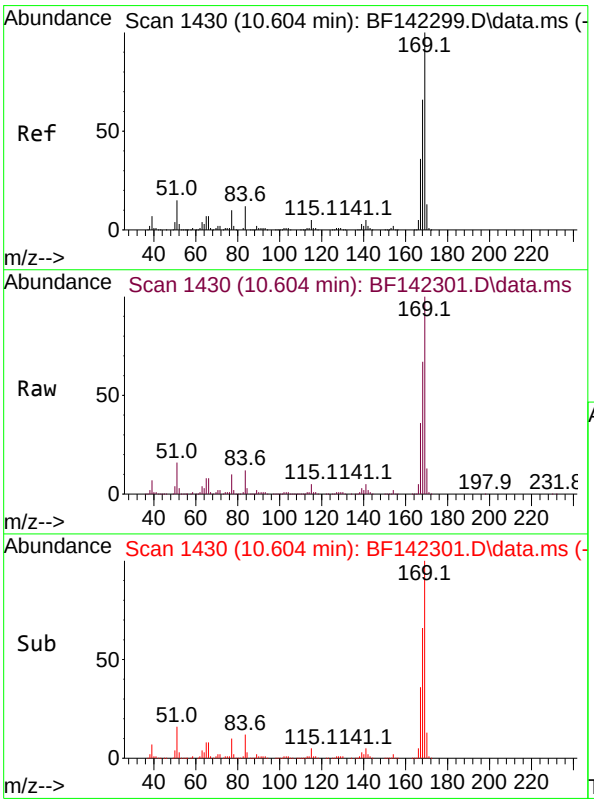
Ion	Ratio	Lower	Upper
198	100		
51	57.2	32.9	72.9
105	45.3	23.7	63.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

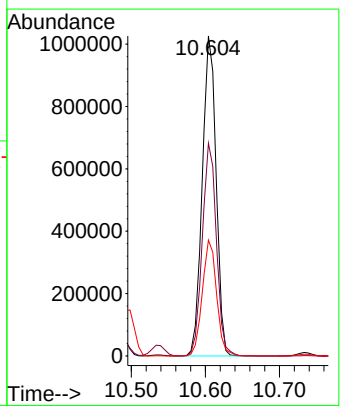


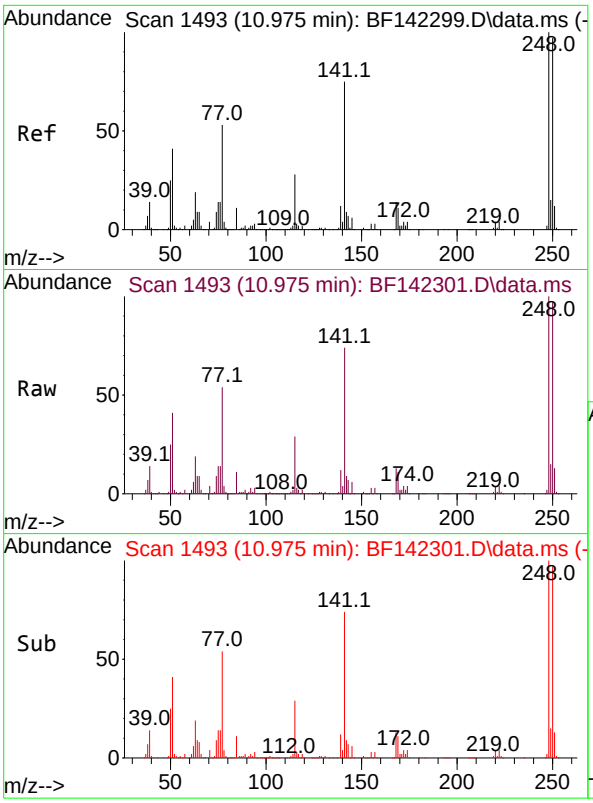


#66
n-Nitrosodiphenylamine
Concen: 58.927 ng
RT: 10.604 min Scan# 1430
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:169 Resp: 1330840

Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.2	79.8
167	36.2	28.9	43.3





#67
4-Bromophenyl-phenylether
Concen: 60.048 ng
RT: 10.975 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

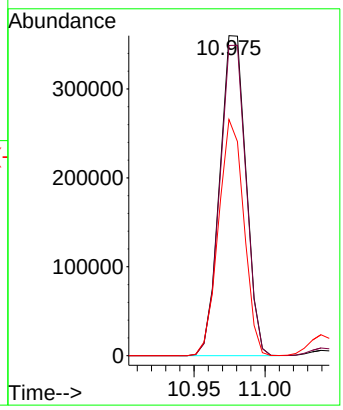
Tgt Ion:248 Resp: 46189

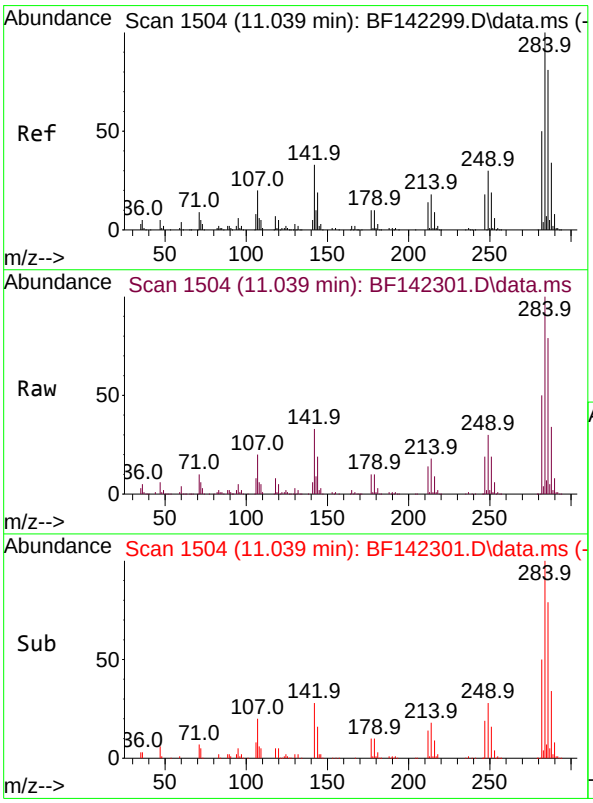
Ion	Ratio	Lower	Upper
248	100		
250	96.9	77.9	116.9
141	73.8	59.8	89.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

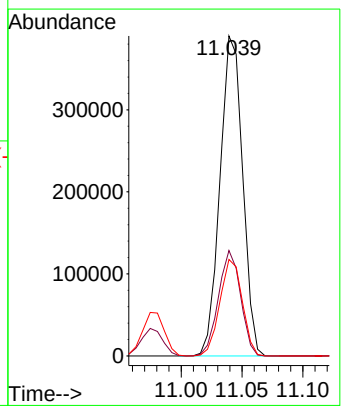


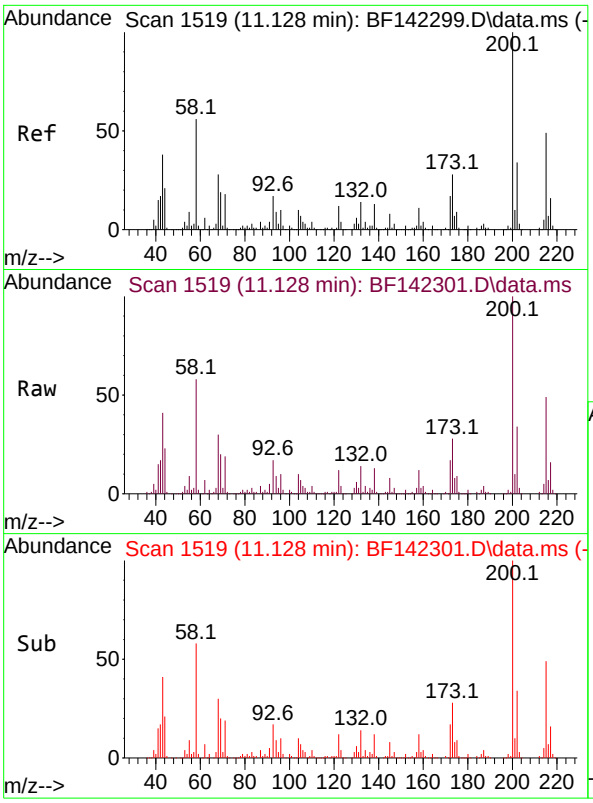


#68
Hexachlorobenzene
Concen: 59.625 ng
RT: 11.039 min Scan# 1504
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:284 Resp: 504486

Ion	Ratio	Lower	Upper
284	100		
142	33.0	26.6	39.8
249	30.2	24.1	36.1

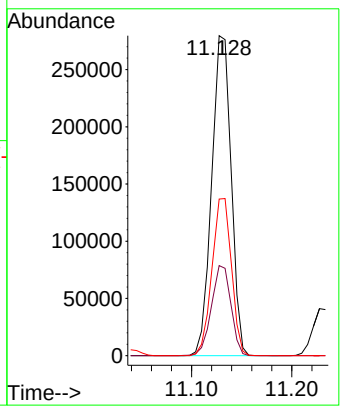




#69
Atrazine
Concen: 63.169 ng
RT: 11.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:200 Resp: 37607

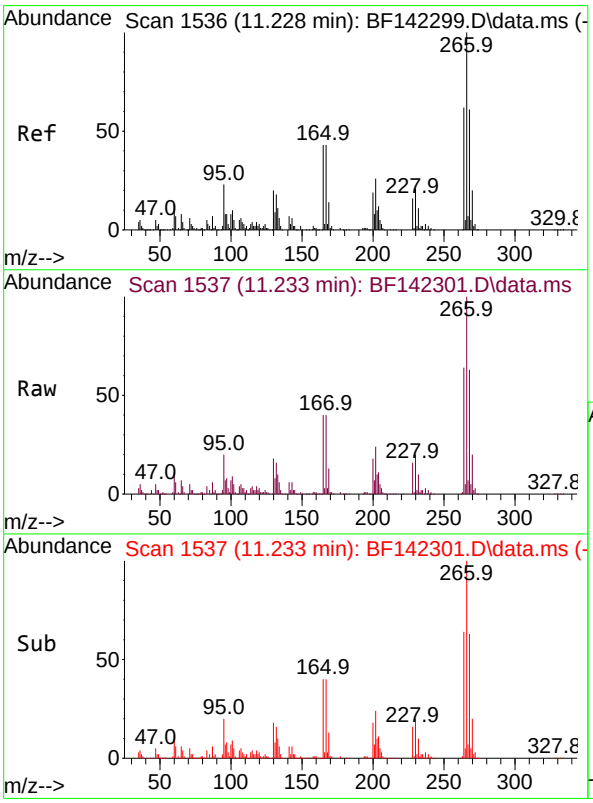
Ion	Ratio	Lower	Upper
200	100		
173	28.2	8.1	48.1
215	48.9	28.8	68.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

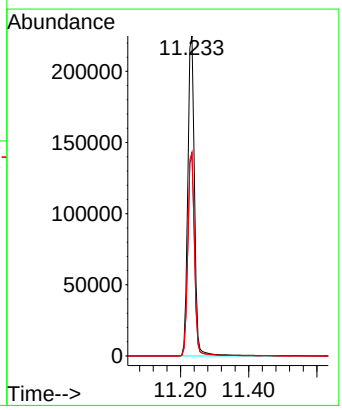
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

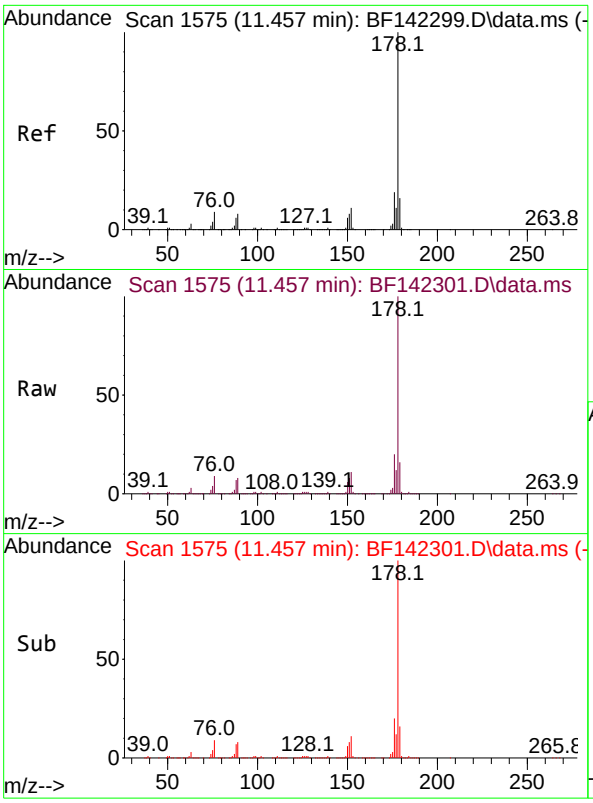


#70
Pentachlorophenol
Concen: 68.419 ng
RT: 11.233 min Scan# 1537
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:266 Resp: 304541

Ion	Ratio	Lower	Upper
266	100		
268	63.0	48.7	73.1
264	63.7	49.8	74.6

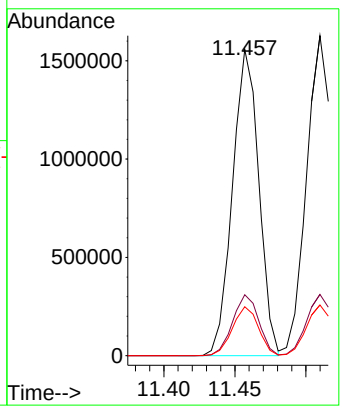




#71
Phenanthrene
Concen: 56.475 ng
RT: 11.457 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:178 Resp: 200915

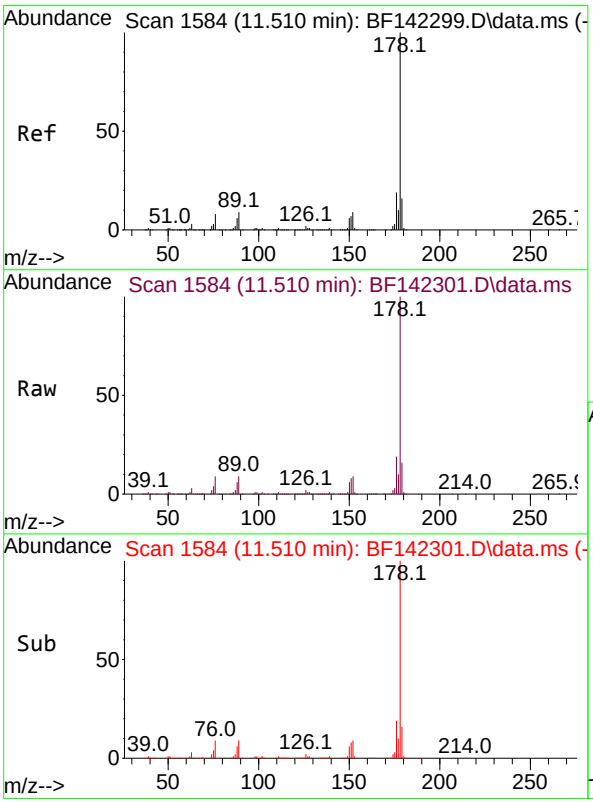
Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.5	23.3
179	16.0	12.6	18.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

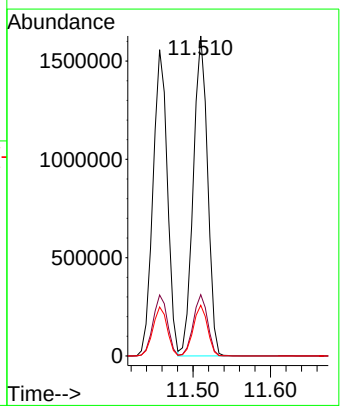
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

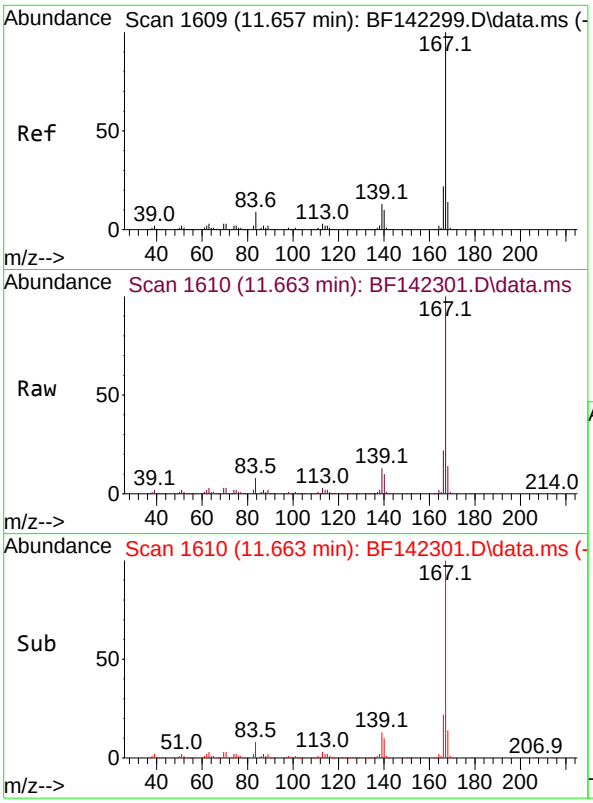


#72
Anthracene
Concen: 56.980 ng
RT: 11.510 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:178 Resp: 2082880

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.9	12.6	18.8

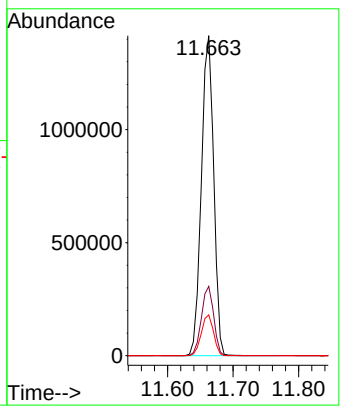




#73
Carbazole
Concen: 56.538 ng
RT: 11.663 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:167 Resp: 185418

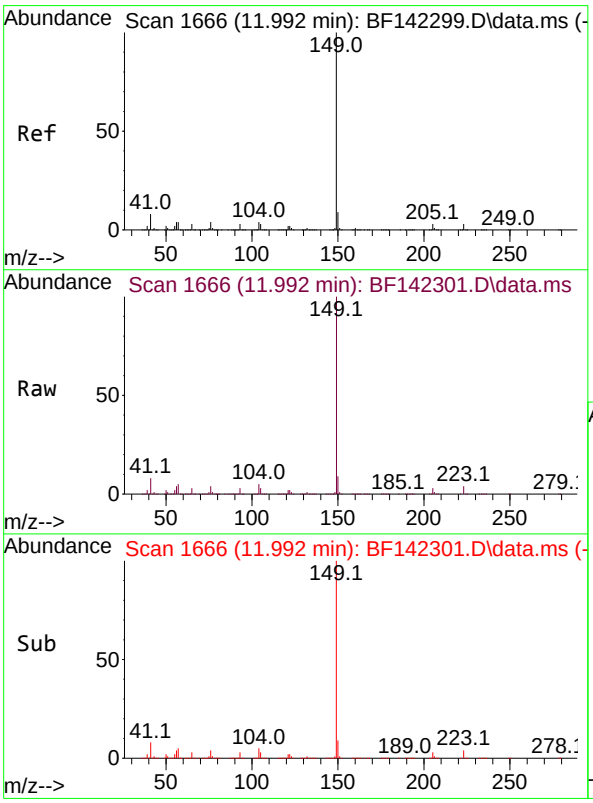
Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.2	25.8
139	12.8	10.3	15.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

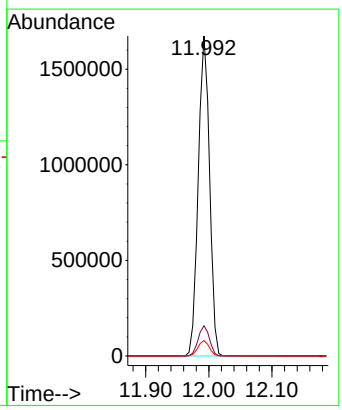
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

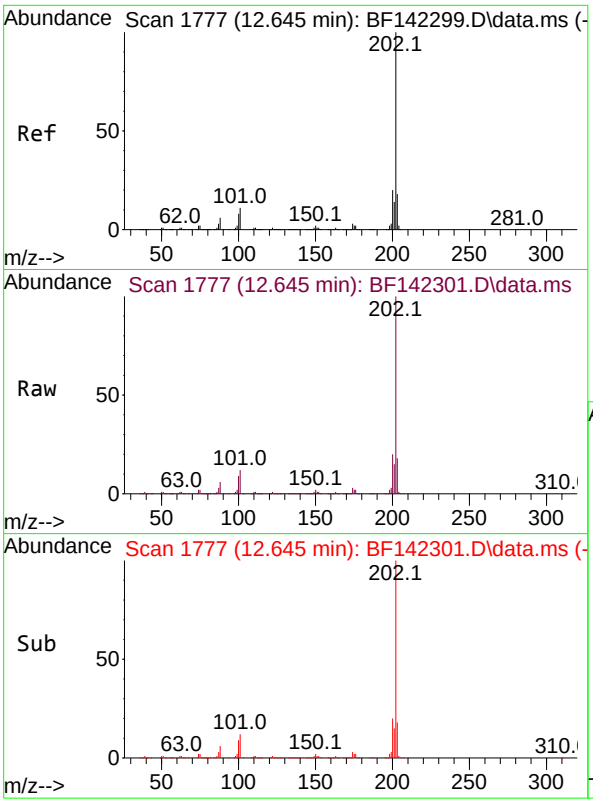


#74
Di-n-butylphthalate
Concen: 60.137 ng
RT: 11.992 min Scan# 1666
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:149 Resp: 2073826

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	4.8	3.6	5.4

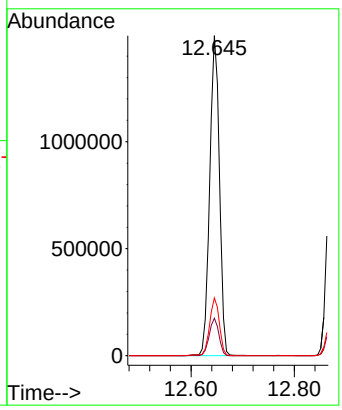




#75
Fluoranthene
Concen: 54.742 ng
RT: 12.645 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:202 Resp: 194677

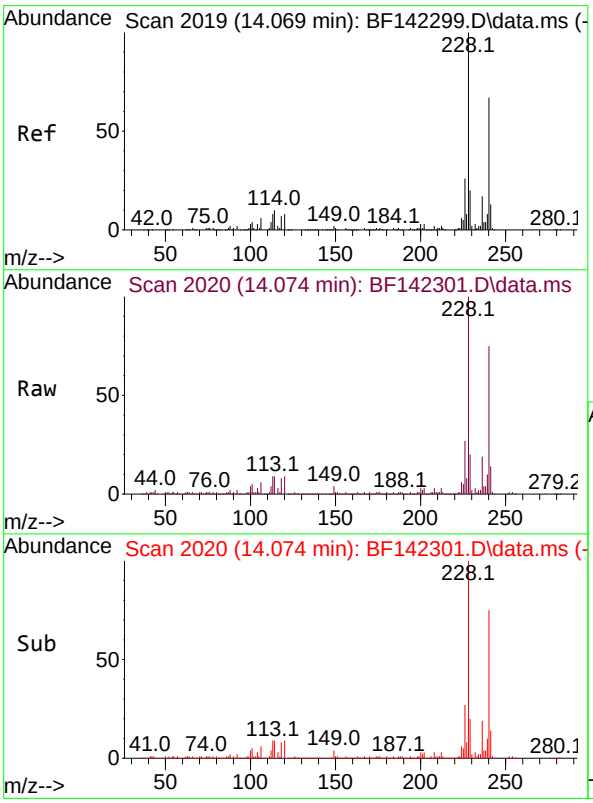
Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.4
203	18.0	0.0	37.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

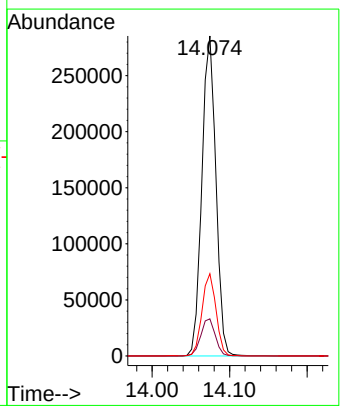
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

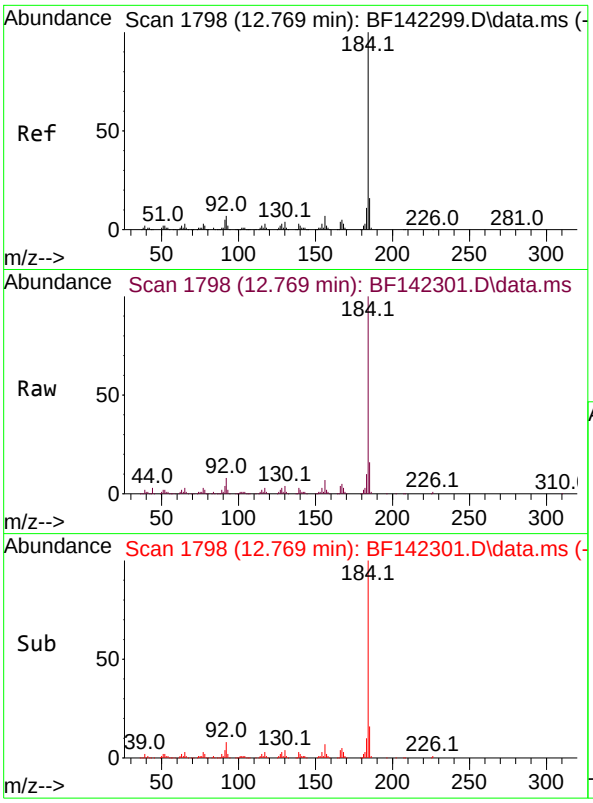


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:240 Resp: 358642

Ion	Ratio	Lower	Upper
240	100		
120	11.6	9.7	14.5
236	25.7	20.0	30.0

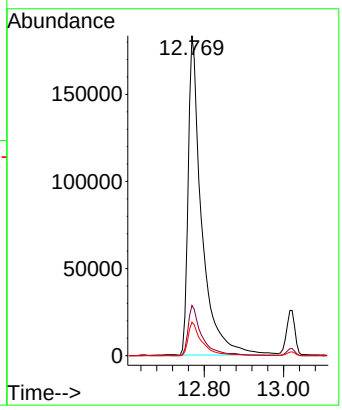




#77
Benzidine
Concen: 66.599 ng
RT: 12.769 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:184 Resp: 43406

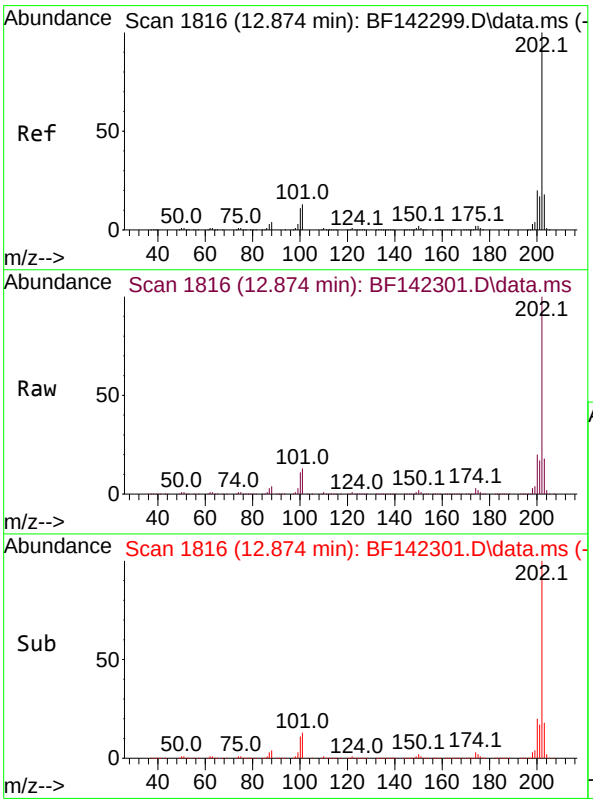
Ion	Ratio	Lower	Upper
184	100		
185	15.7	12.6	18.8
183	10.5	8.6	12.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

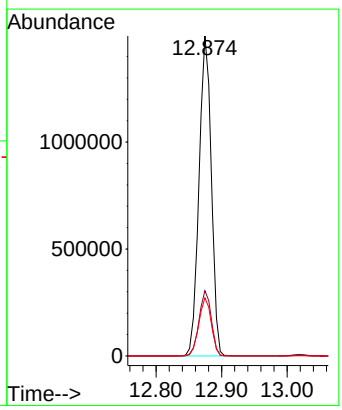
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

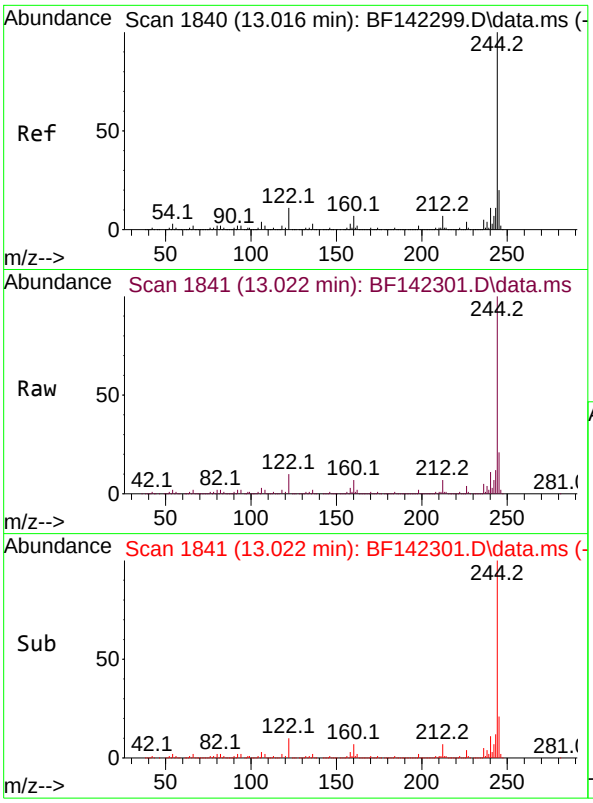


#78
Pyrene
Concen: 61.239 ng
RT: 12.874 min Scan# 1816
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:202 Resp: 1954922

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.2	24.4
203	18.2	14.3	21.5

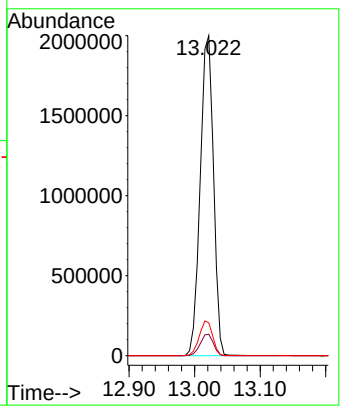




#79
Terphenyl-d14
Concen: 116.709 ng
RT: 13.022 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:244 Resp: 282794

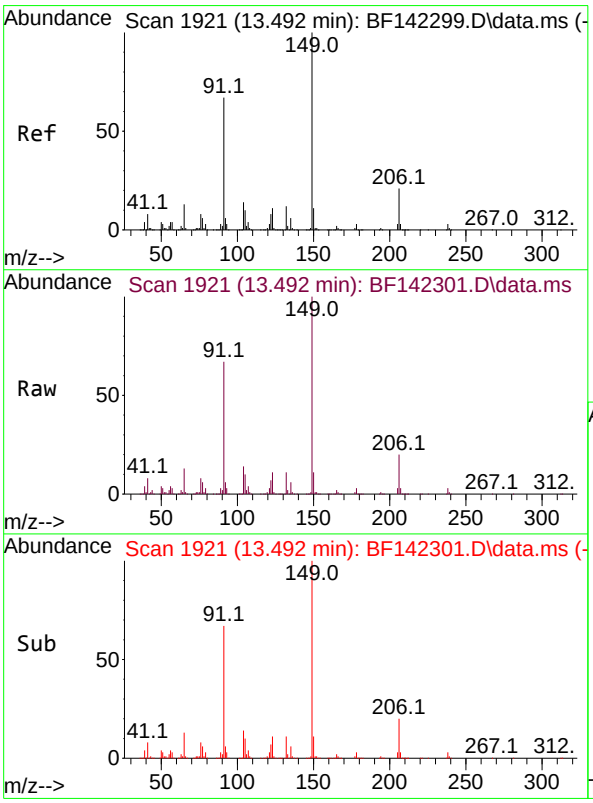
Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.2
122	10.3	9.0	13.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

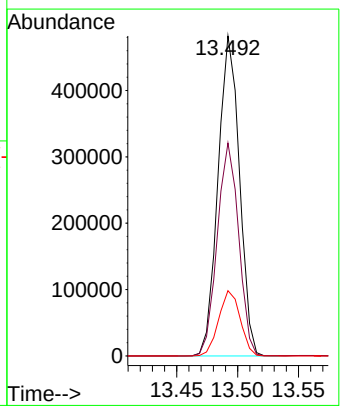
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

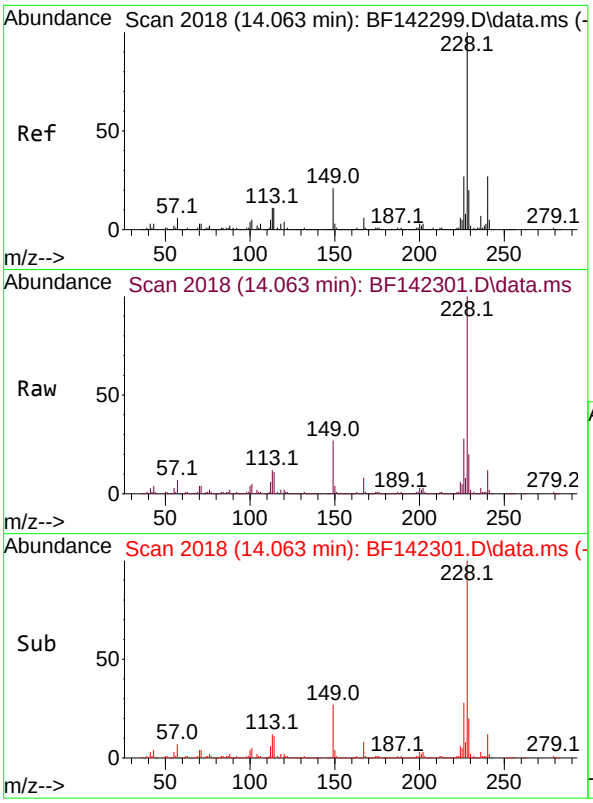


#80
Butylbenzylphthalate
Concen: 62.274 ng
RT: 13.492 min Scan# 1921
Delta R.T. 0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:149 Resp: 591132

Ion	Ratio	Lower	Upper
149	100		
91	66.6	53.8	80.6
206	20.4	16.6	24.8

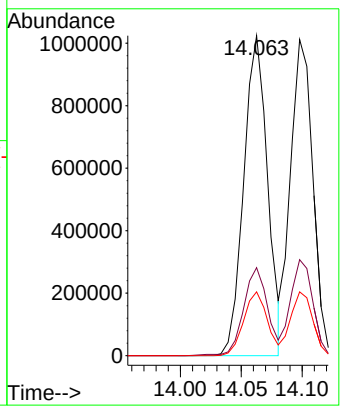




#81
Benzo(a)anthracene
Concen: 60.043 ng
RT: 14.063 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:228 Resp: 139456

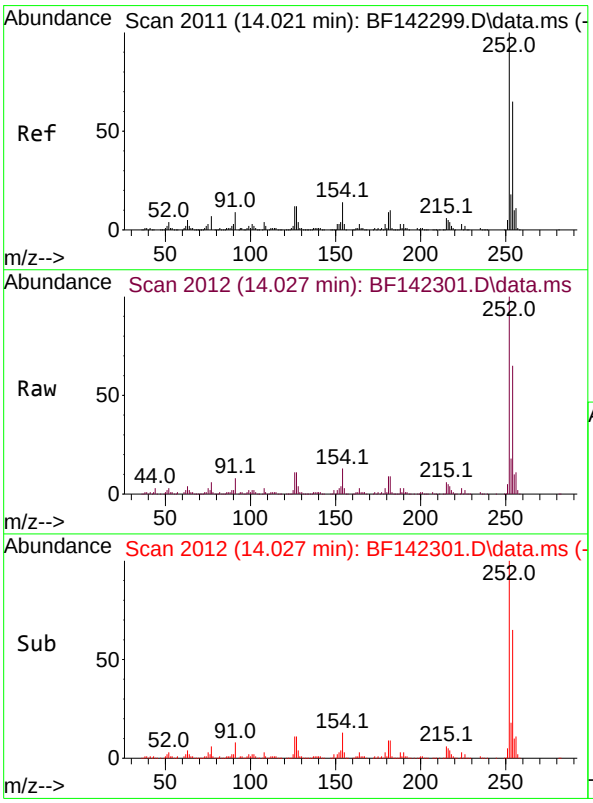
Ion	Ratio	Lower	Upper
228	100		
226	27.5	21.5	32.3
229	20.0	15.9	23.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

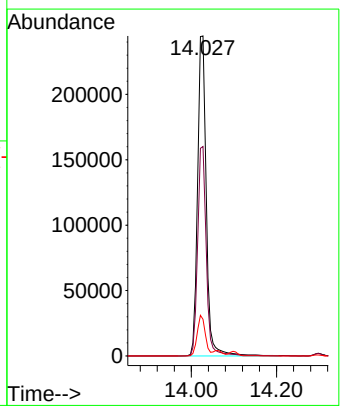
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

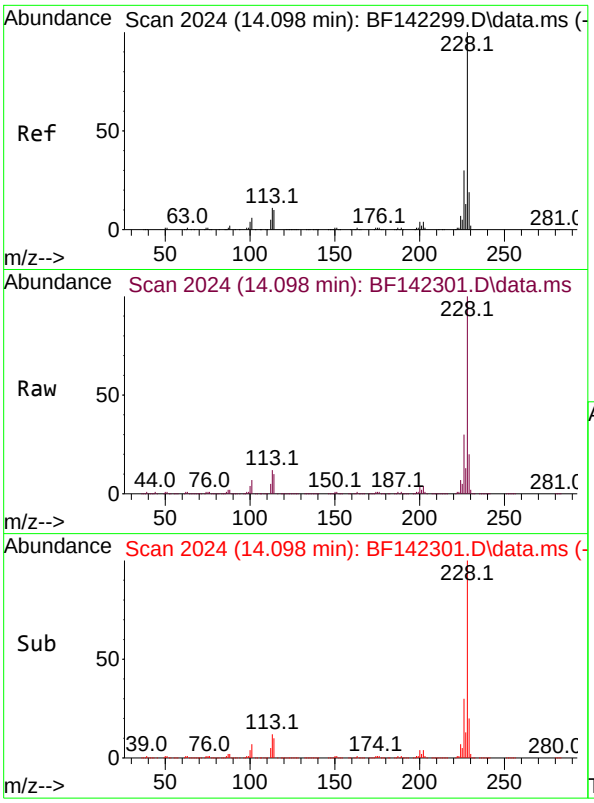


#82
3,3'-Dichlorobenzidine
Concen: 64.332 ng
RT: 14.027 min Scan# 2012
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:252 Resp: 347469

Ion	Ratio	Lower	Upper
252	100		
254	65.5	52.0	78.0
126	11.4	9.7	14.5

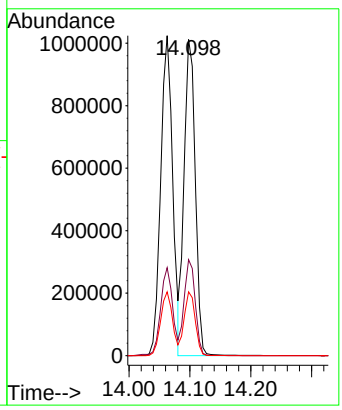




#83
Chrysene
Concen: 59.838 ng
RT: 14.098 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:228 Resp: 129380

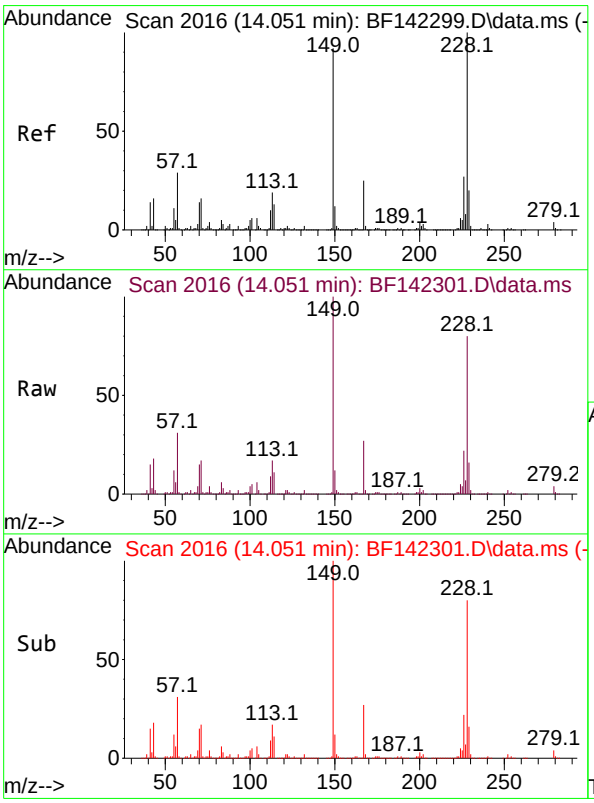
Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.9	35.9
229	20.2	15.4	23.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

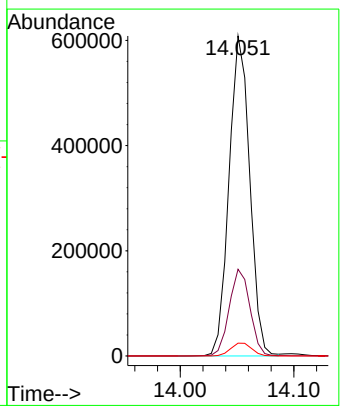
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

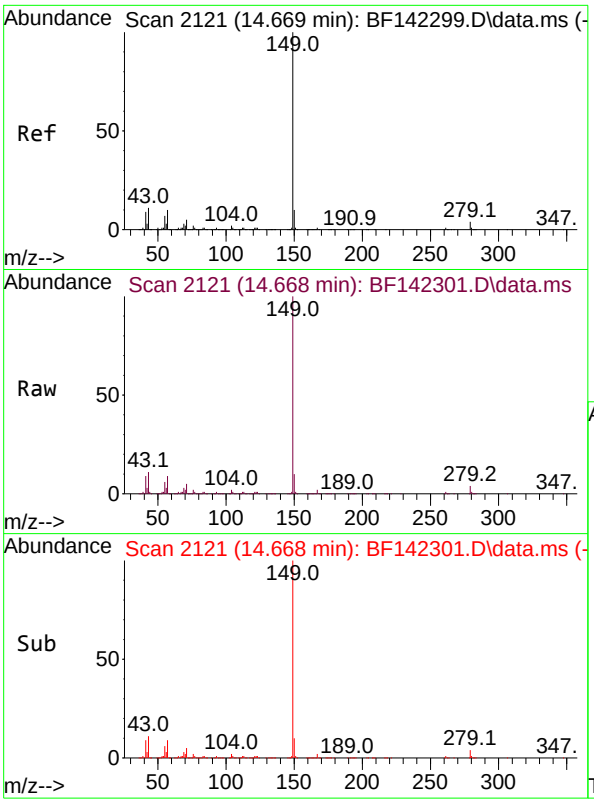


#84
Bis(2-ethylhexyl)phthalate
Concen: 62.098 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:149 Resp: 769940

Ion	Ratio	Lower	Upper
149	100		
167	27.1	22.0	33.0
279	4.0	3.0	4.6





#85
Di-n-octyl phthalate
Concen: 61.963 ng
RT: 14.668 min Scan# 21
Delta R.T. -0.001 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

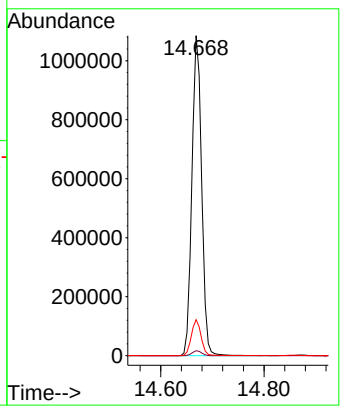
Tgt Ion:149 Resp: 141499

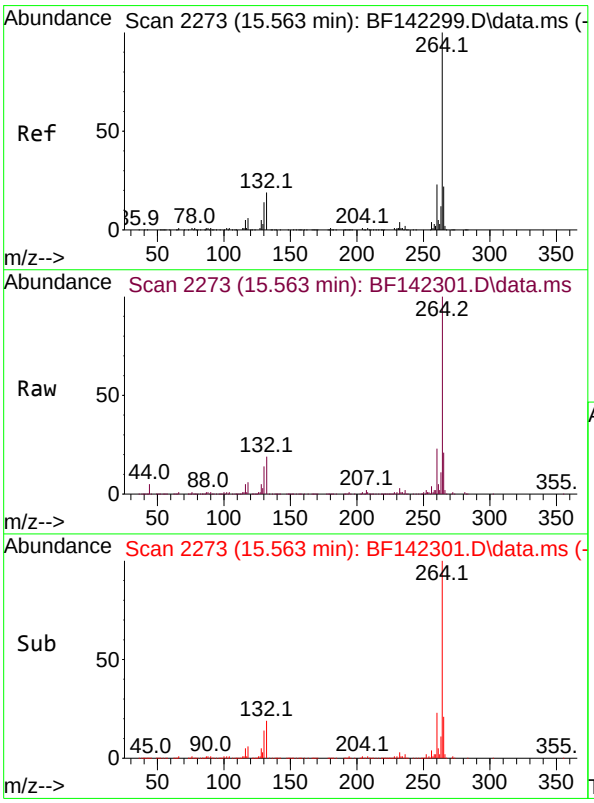
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	11.3	9.2	13.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

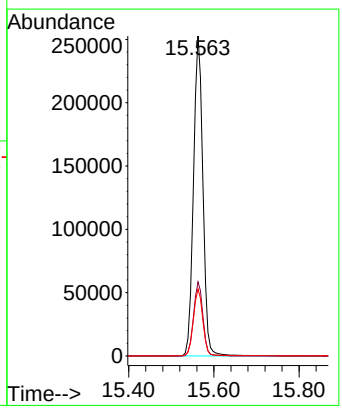


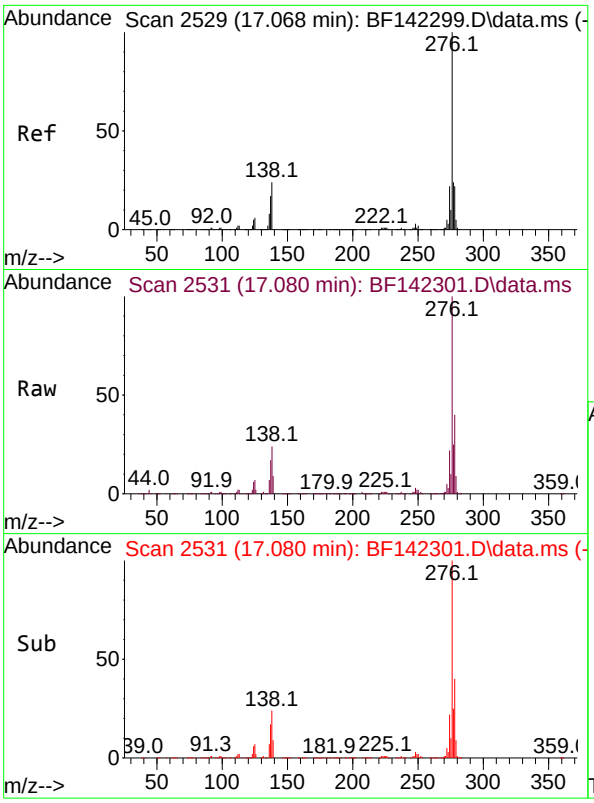


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2273
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:264 Resp: 387967

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	27.8
265	20.9	17.5	26.3

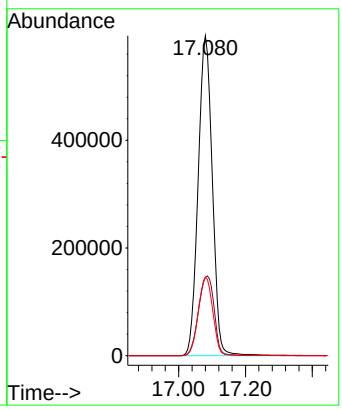




#87
Indeno(1,2,3-cd)pyrene
Concen: 64.842 ng
RT: 17.080 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:276 Resp: 174996

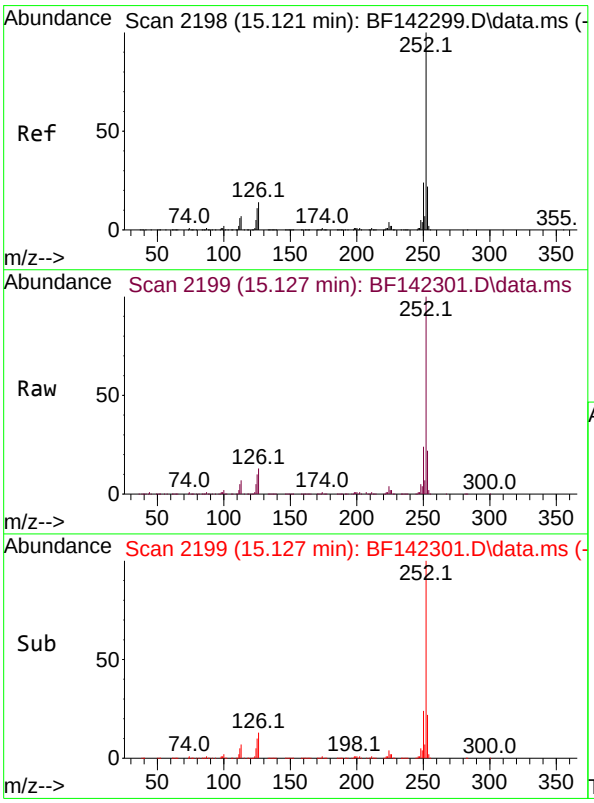
Ion	Ratio	Lower	Upper
276	100		
138	27.6	22.0	33.0
277	25.3	20.1	30.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

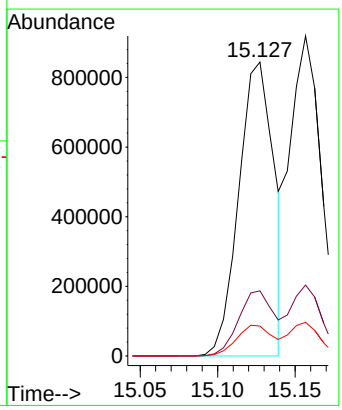
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

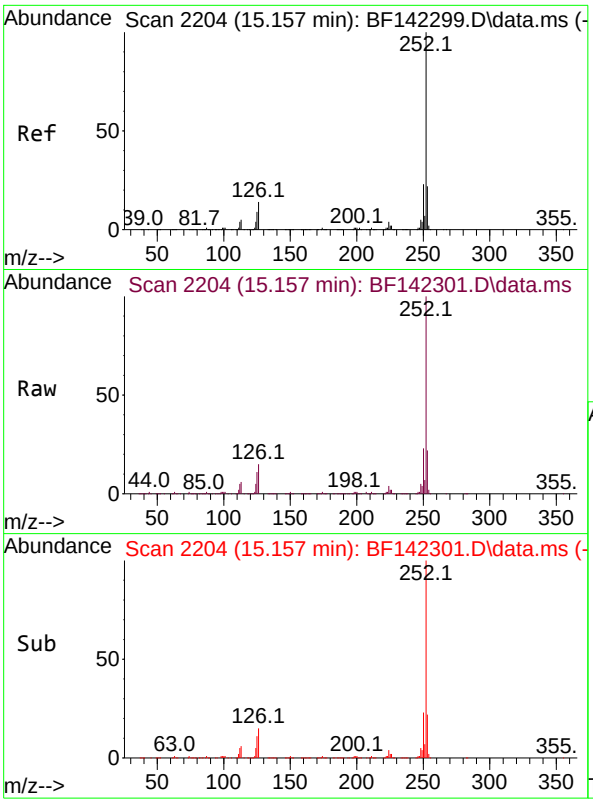


#88
Benzo(b)fluoranthene
Concen: 56.551 ng
RT: 15.127 min Scan# 2199
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:252 Resp: 1328806

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	10.2	8.7	13.1

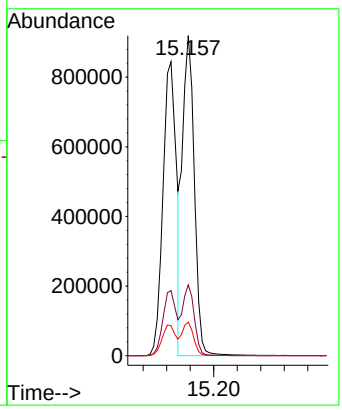




#89
Benzo(k)fluoranthene
Concen: 60.288 ng
RT: 15.157 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:252 Resp: 129637

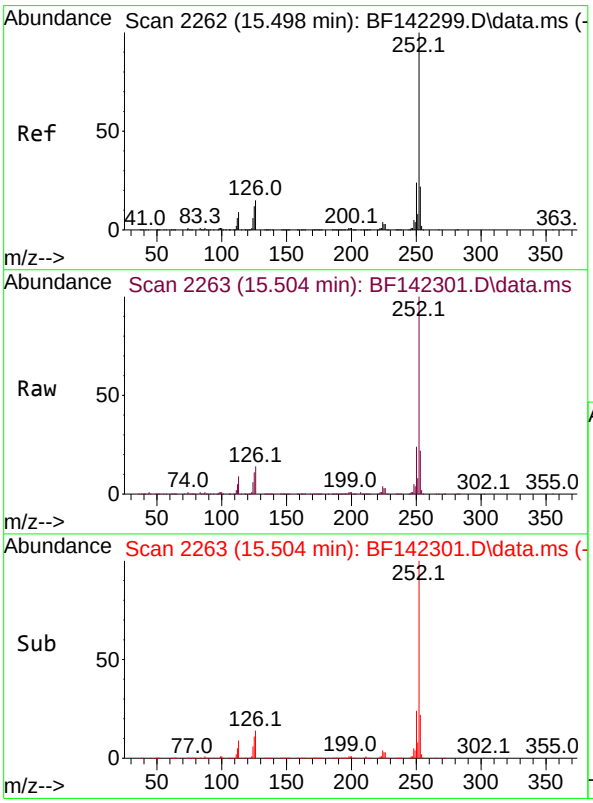
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	10.5	8.1	12.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

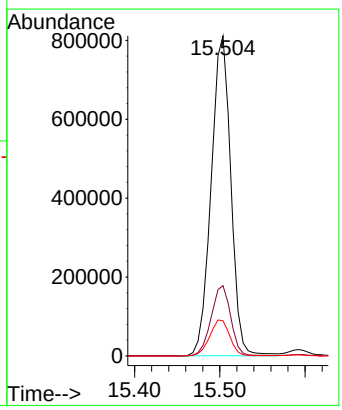
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

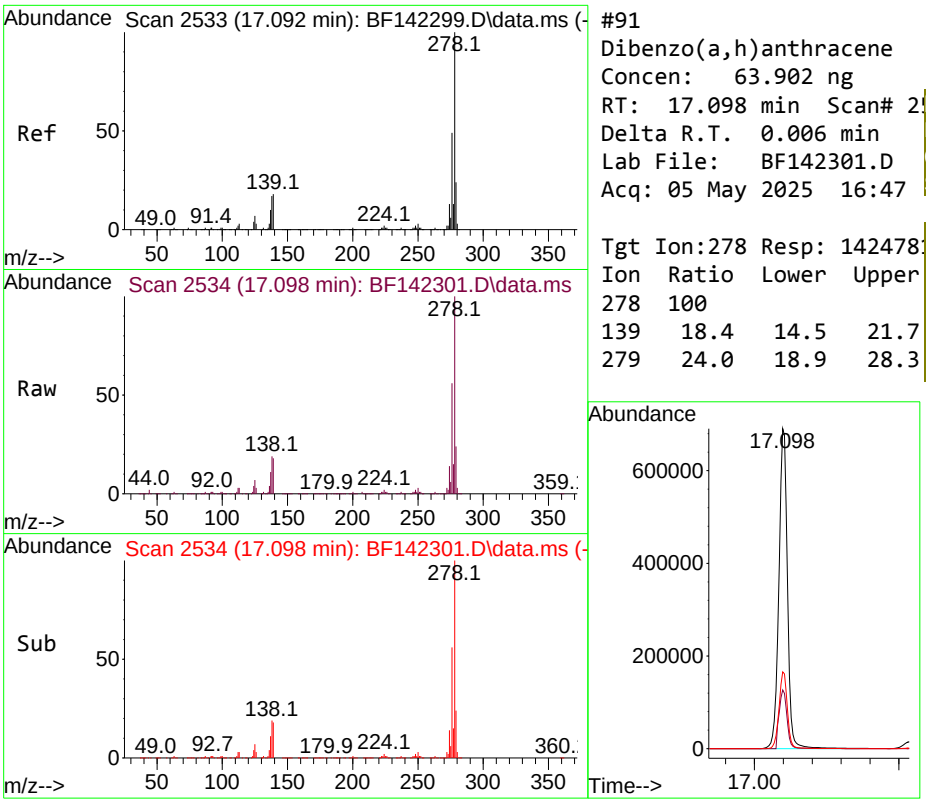


#90
Benzo(a)pyrene
Concen: 61.838 ng
RT: 15.504 min Scan# 2263
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:252 Resp: 1302088

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.6
125	11.0	9.4	14.0





#91
Dibenzo(a,h)anthracene
Concen: 63.902 ng
RT: 17.098 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

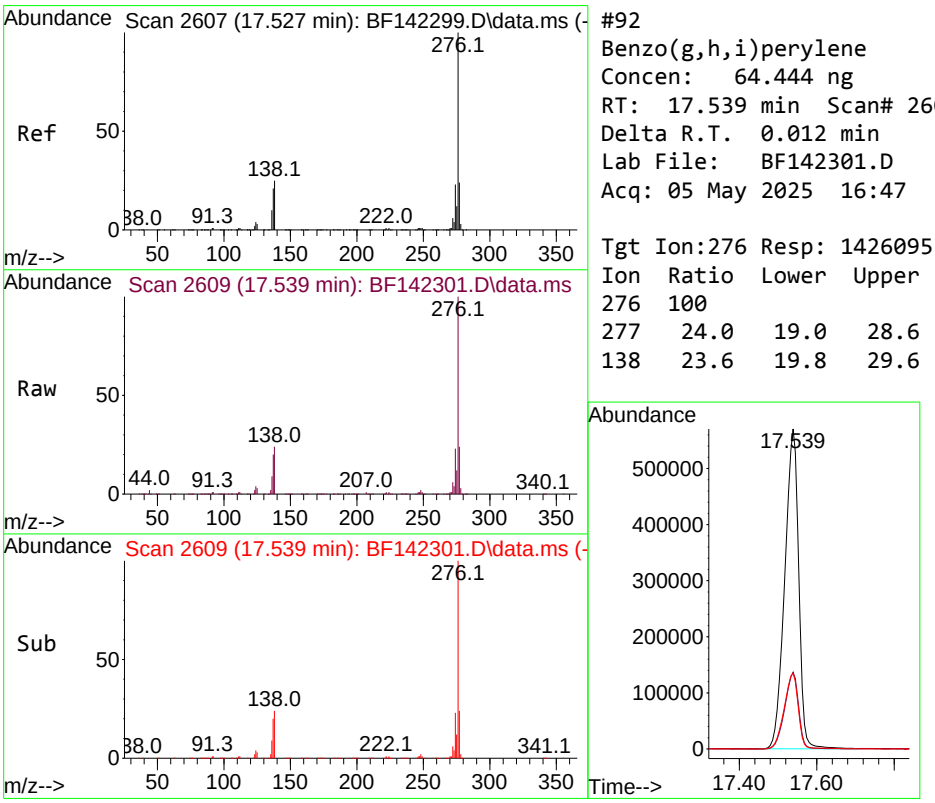
Tgt Ion:278 Resp: 142478

Ion	Ratio	Lower	Upper
278	100		
139	18.4	14.5	21.7
279	24.0	18.9	28.3

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#92
Benzo(g,h,i)perylene
Concen: 64.444 ng
RT: 17.539 min Scan# 2609
Delta R.T. 0.012 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:276 Resp: 1426095

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.0	28.6
138	23.6	19.8	29.6

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142302.D
Acq On : 05 May 2025 17:15
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

Quant Time: May 05 18:39:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:17:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.910	152	205452	20.000	ng		0.00
21) Naphthalene-d8	8.192	136	801101	20.000	ng		0.00
39) Acenaphthene-d10	9.945	164	414811	20.000	ng		0.00
64) Phenanthrene-d10	11.433	188	679241	20.000	ng		0.00
76) Chrysene-d12	14.074	240	373928	20.000	ng		0.00
86) Perylene-d12	15.562	264	426614	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.516	112	1784288	148.254	ng		0.00
7) Phenol-d6	6.534	99	2195377	148.311	ng		0.01
23) Nitrobenzene-d5	7.481	82	2128583	162.047	ng		0.01
42) 2,4,6-Tribromophenol	10.739	330	652850	163.012	ng		0.00
45) 2-Fluorobiphenyl	9.269	172	3617174	124.337	ng		0.00
79) Terphenyl-d14	13.021	244	3360156	133.004	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.687	88	419794	77.457	ng		100
3) Pyridine	3.457	79	1043726	82.025	ng		99
4) n-Nitrosodimethylamine	3.422	42	579736	78.391	ng		99
6) Aniline	6.575	93	1209360	83.294	ng		100
8) 2-Chlorophenol	6.692	128	1007022	78.300	ng		99
10) Phenol	6.551	94	1172548m	74.728	ng		
11) bis(2-Chloroethyl)ether	6.645	93	1143684m	73.913	ng		
12) 1,3-Dichlorobenzene	6.851	146	1066308	72.470	ng		99
13) 1,4-Dichlorobenzene	6.928	146	1063540	71.991	ng		99
14) 1,2-Dichlorobenzene	7.081	146	1030293	72.657	ng		99
15) Benzyl Alcohol	7.051	79	799114	83.370	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.186	45	1679925	72.703	ng		99
17) 2-Methylphenol	7.157	107	803596	77.177	ng		98
18) Hexachloroethane	7.422	117	380705	77.452	ng		99
19) n-Nitroso-di-n-propyla...	7.334	70	688261	75.168	ng		97
20) 3+4-Methylphenols	7.316	107	921424	70.906	ng	#	89
22) Acetophenone	7.322	105	1245347	69.916	ng	#	94
24) Nitrobenzene	7.498	77	978534	79.029	ng		97
25) Isophorone	7.739	82	1916388	77.044	ng		100
26) 2-Nitrophenol	7.810	139	496348	80.172	ng		99
27) 2,4-Dimethylphenol	7.839	122	958602	76.651	ng		100
28) bis(2-Chloroethoxy)met...	7.939	93	1171369	73.236	ng		100
29) 2,4-Dichlorophenol	8.045	162	832329	78.283	ng		100
30) 1,2,4-Trichlorobenzene	8.133	180	868126	72.551	ng		99
31) Naphthalene	8.216	128	2675722	68.916	ng		99
32) Benzoic acid	7.975	122	622313m	79.184	ng		
33) 4-Chloroaniline	8.263	127	1251630m	79.003	ng		
34) Hexachlorobutadiene	8.333	225	520499	73.460	ng		99
35) Caprolactam	8.651	113	261433m	84.368	ng		
36) 4-Chloro-3-methylphenol	8.739	107	840535	76.050	ng		100
37) 2-Methylnaphthalene	8.904	142	1669985	69.220	ng		98
38) 1-Methylnaphthalene	9.004	142	1714046	68.165	ng		99
40) 1,2,4,5-Tetrachloroben...	9.069	216	849773	73.349	ng		99
41) Hexachlorocyclopentadiene	9.057	237	612608	85.560	ng		100
43) 2,4,6-Trichlorophenol	9.180	196	605787	82.898	ng		99
44) 2,4,5-Trichlorophenol	9.216	196	611514	78.648	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142302.D
Acq On : 05 May 2025 17:15
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 05 18:39:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:17:22 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	9.369	154	2173202	68.328	ng		99
47) 2-Chloronaphthalene	9.398	162	1688751	71.397	ng		99
48) 2-Nitroaniline	9.486	65	547789	90.354	ng		98
49) Acenaphthylene	9.810	152	2763028	69.830	ng		98
50) Dimethylphthalate	9.675	163	1968431	73.901	ng		100
51) 2,6-Dinitrotoluene	9.733	165	437098	87.669	ng		93
52) Acenaphthene	9.986	154	1694020	71.203	ng		99
53) 3-Nitroaniline	9.904	138	510152	87.244	ng		96
54) 2,4-Dinitrophenol	10.004	184	210652	80.686	ng	#	3
55) Dibenzofuran	10.157	168	2410169	68.642	ng		98
56) 4-Nitrophenol	10.051	139	383978	87.250	ng		97
57) 2,4-Dinitrotoluene	10.133	165	566575	88.591	ng		99
58) Fluorene	10.498	166	1792549	66.896	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.269	232	520638	81.113	ng		98
60) Diethylphthalate	10.369	149	1909012	71.766	ng		99
61) 4-Chlorophenyl-phenyle...	10.486	204	888242	68.707	ng		98
62) 4-Nitroaniline	10.516	138	323923	69.894	ng		99
63) Azobenzene	10.651	77	1821504	71.660	ng		99
65) 4,6-Dinitro-2-methylph...	10.539	198	273917	80.746	ng		96
66) n-Nitrosodiphenylamine	10.610	169	1658390	73.372	ng		100
67) 4-Bromophenyl-phenylether	10.980	248	590568	76.716	ng		98
68) Hexachlorobenzene	11.045	284	650802	76.857	ng		96
69) Atrazine	11.133	200	476112	79.910	ng		99
70) Pentachlorophenol	11.233	266	390517	87.666	ng		97
71) Phenanthrene	11.463	178	2460275	69.101	ng		98
72) Anthracene	11.516	178	2518162	68.834	ng		99
73) Carbazole	11.663	167	2274167	69.290	ng		99
74) Di-n-butylphthalate	11.992	149	2521480	73.060	ng		99
75) Fluoranthene	12.645	202	2345160	65.892	ng		99
77) Benzidine	12.774	184	504643	74.263	ng		99
78) Pyrene	12.874	202	2325631	69.874	ng		99
80) Butylbenzylphthalate	13.492	149	788213	78.621	ng		99
81) Benzo(a)anthracene	14.063	228	1782801	73.621	ng		99
82) 3,3'-Dichlorobenzidine	14.027	252	474263	84.217	ng		99
83) Chrysene	14.104	228	1687889	74.873	ng		99
84) Bis(2-ethylhexyl)phtha...	14.051	149	1042846	79.404	ng		100
85) Di-n-octyl phthalate	14.668	149	1969676	80.100	ng		99
87) Indeno(1,2,3-cd)pyrene	17.086	276	2392344	80.614	ng		100
88) Benzo(b)fluoranthene	15.127	252	1972745	76.350	ng		99
89) Benzo(k)fluoranthene	15.162	252	1653244	69.919	ng		100
90) Benzo(a)pyrene	15.504	252	1797975	77.653	ng		100
91) Dibenzo(a,h)anthracene	17.109	278	1926135	78.562	ng		99
92) Benzo(g,h,i)perylene	17.551	276	1951121	80.182	ng		99

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

ICAL Form

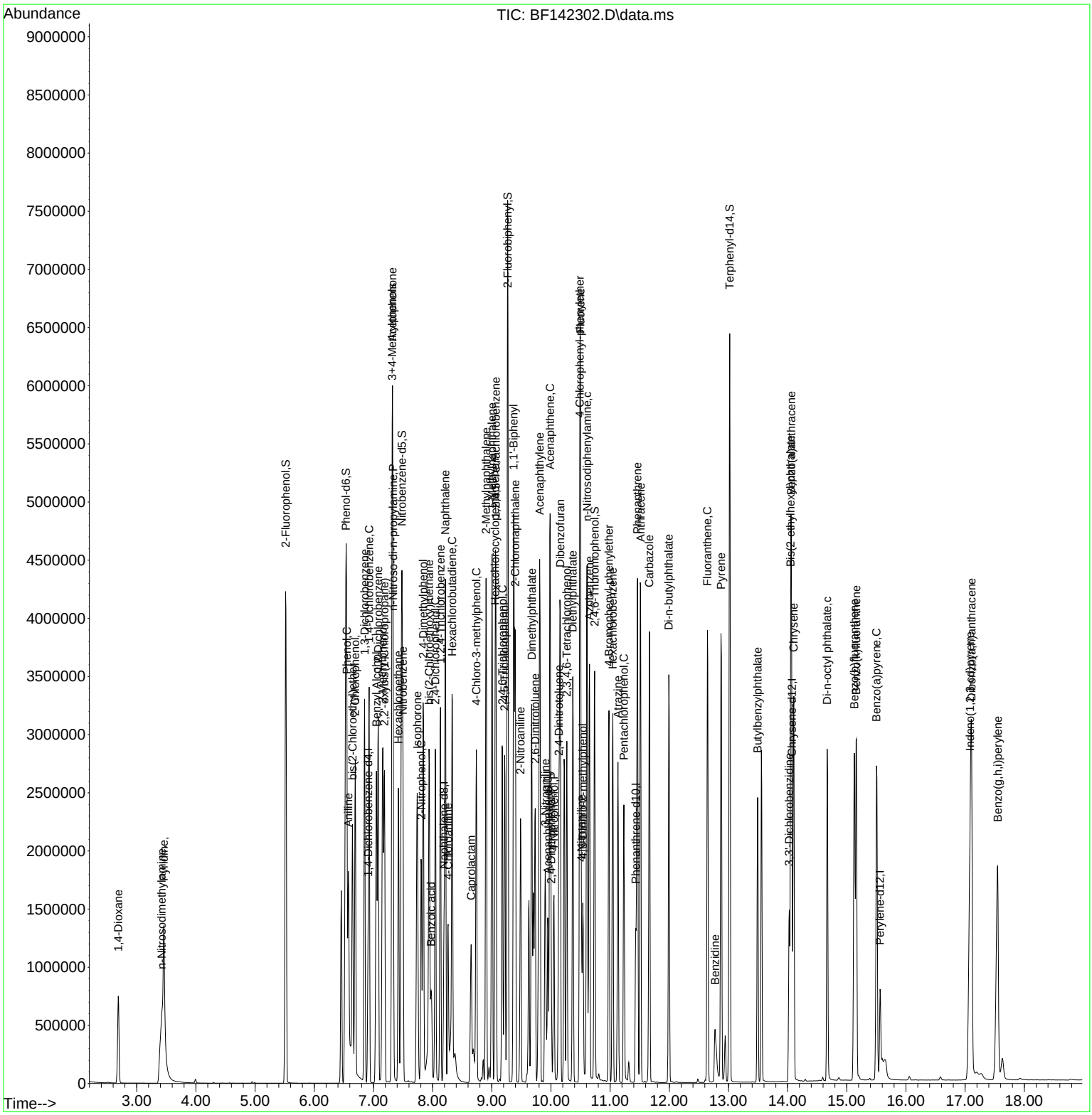
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142302.D
Acq On : 05 May 2025 17:15
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

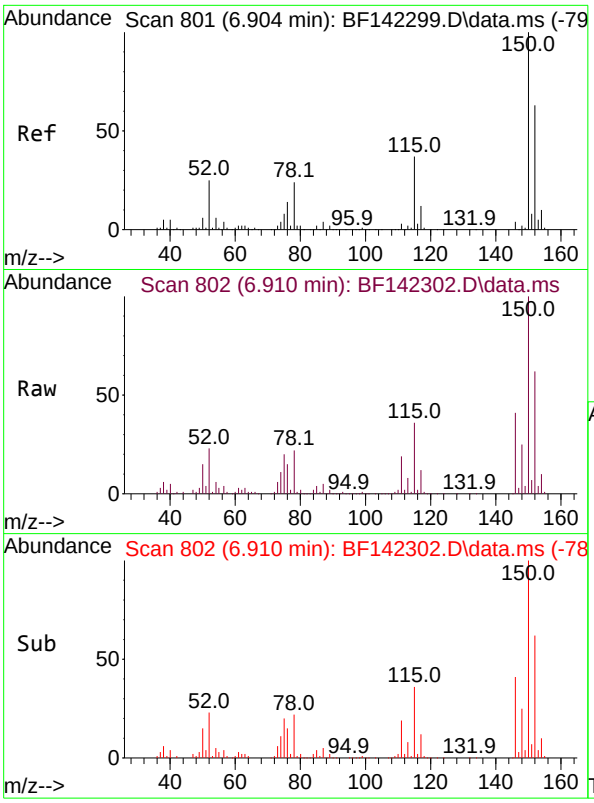
Quant Time: May 05 18:39:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:17:22 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

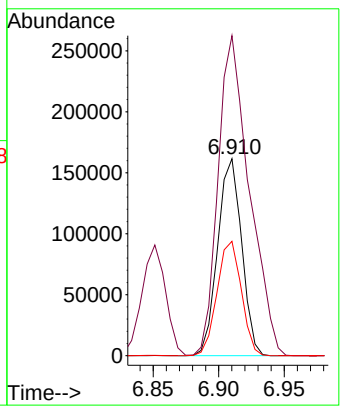




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.910 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:152 Resp: 20545

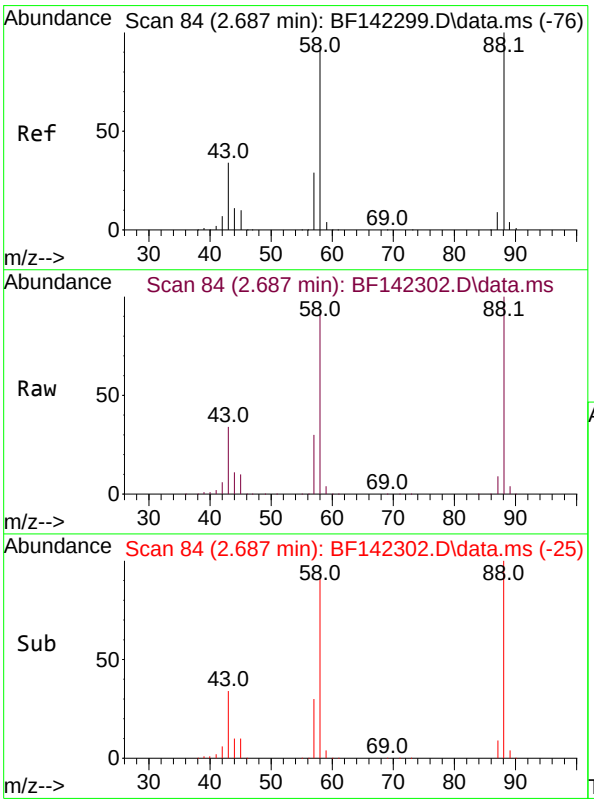
Ion	Ratio	Lower	Upper
152	100		
150	162.5	126.6	190.0
115	58.1	47.3	70.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

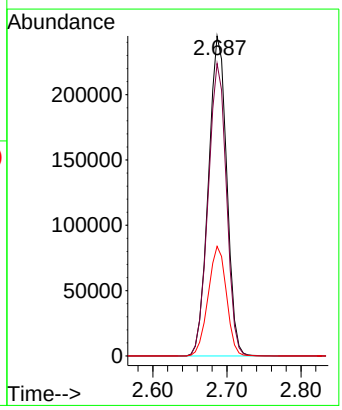
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

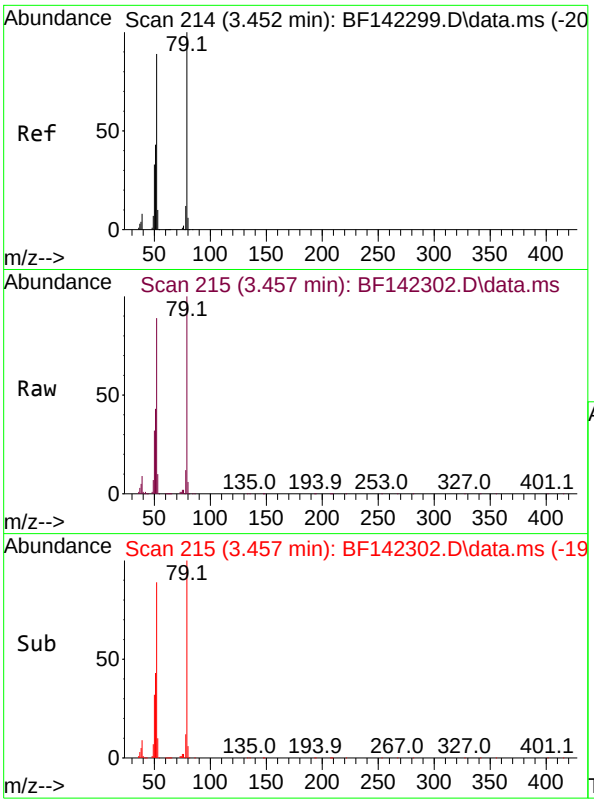


#2
1,4-Dioxane
Concen: 77.457 ng
RT: 2.687 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion: 88 Resp: 419794

Ion	Ratio	Lower	Upper
88	100		
58	91.0	73.0	109.4
43	34.2	27.8	41.6

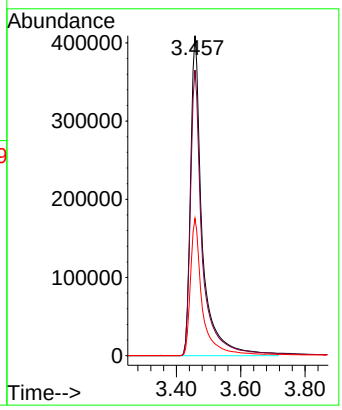




#3
Pyridine
Concen: 82.025 ng
RT: 3.457 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion: 79 Resp: 104372

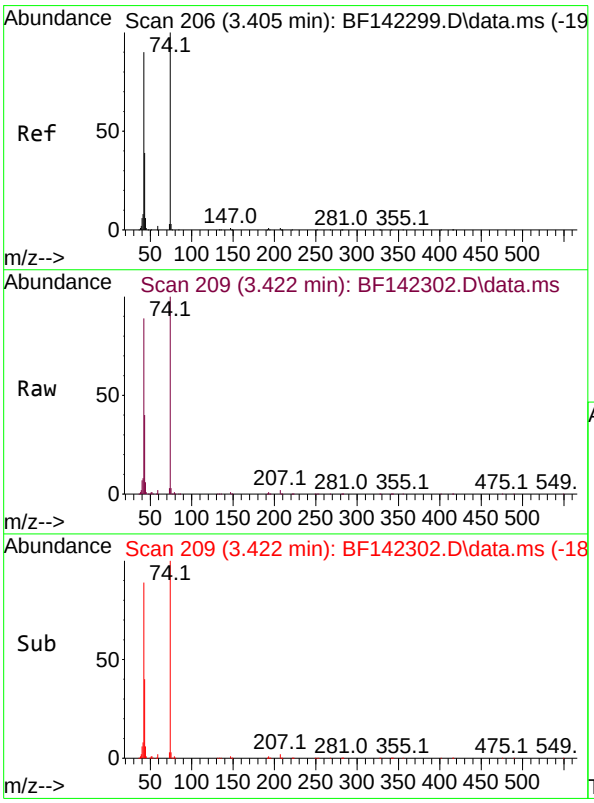
Ion	Ratio	Lower	Upper
79	100		
52	89.3	71.0	106.4
51	42.9	34.9	52.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

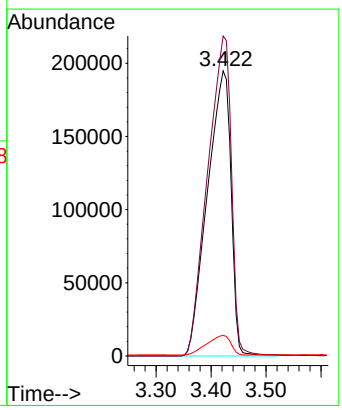
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

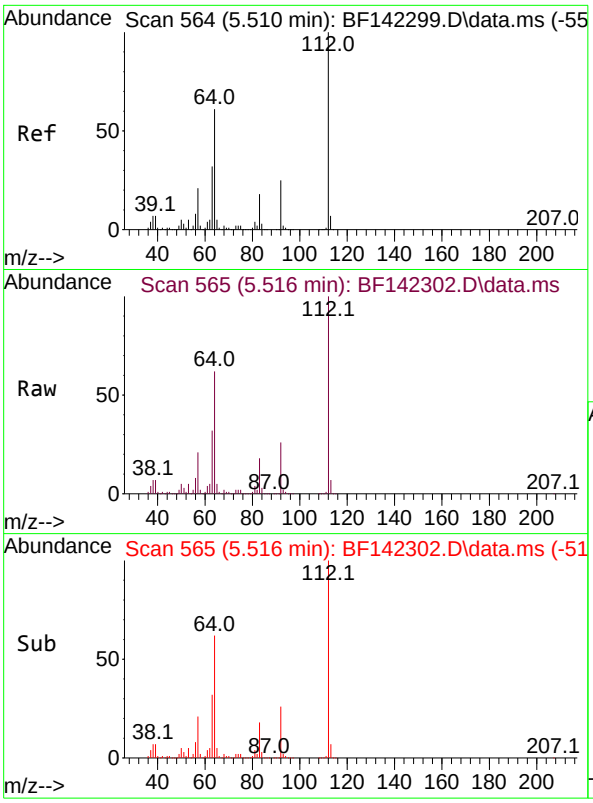


#4
n-Nitrosodimethylamine
Concen: 78.391 ng
RT: 3.422 min Scan# 209
Delta R.T. 0.017 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion: 42 Resp: 579736

Ion	Ratio	Lower	Upper
42	100		
74	112.3	88.5	132.7
44	7.3	5.8	8.8





#5
2-Fluorophenol
Concen: 148.254 ng
RT: 5.516 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

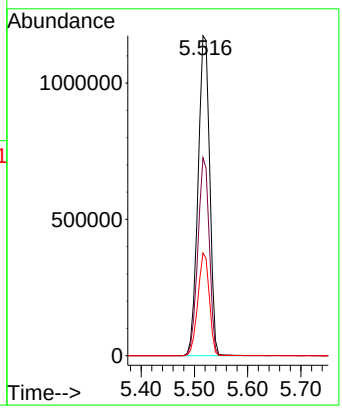
Tgt Ion:112 Resp: 178428

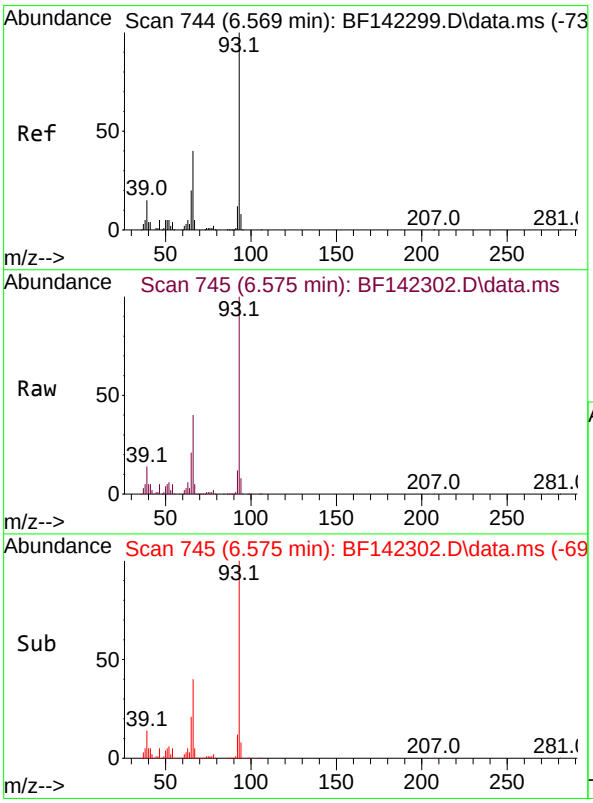
Ion	Ratio	Lower	Upper
112	100		
64	61.8	48.9	73.3
63	32.1	25.6	38.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

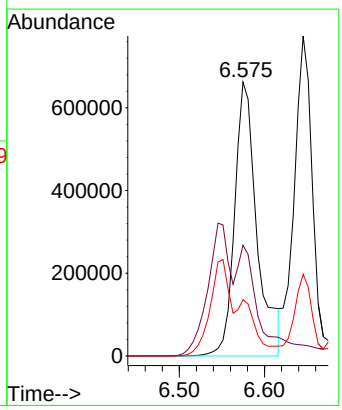


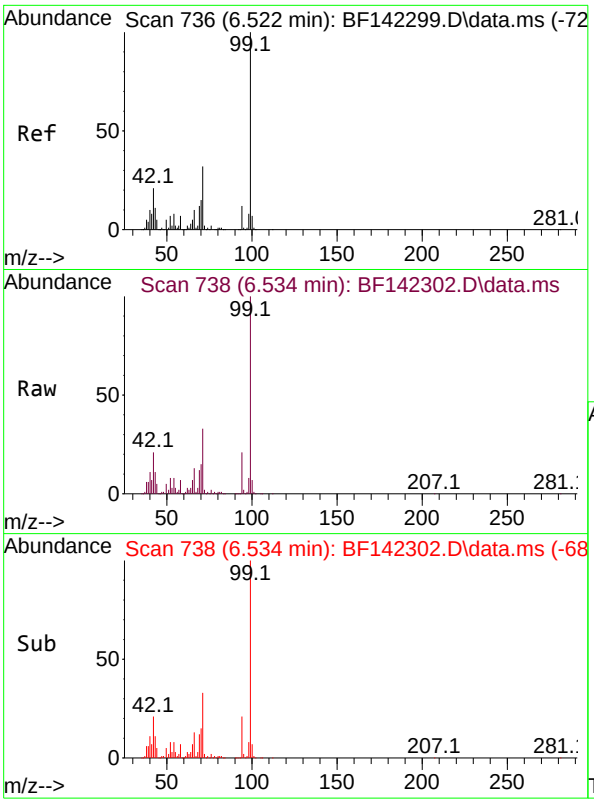


#6
Aniline
Concen: 83.294 ng
RT: 6.575 min Scan# 745
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion: 93 Resp: 1209360

Ion	Ratio	Lower	Upper
93	100		
66	40.4	32.2	48.4
65	20.6	16.3	24.5

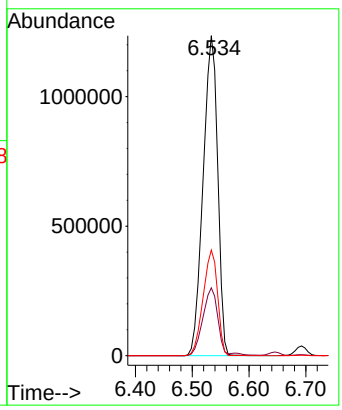




#7
Phenol-d6
Concen: 148.311 ng
RT: 6.534 min Scan# 7
Delta R.T. 0.012 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion: 99 Resp: 219537

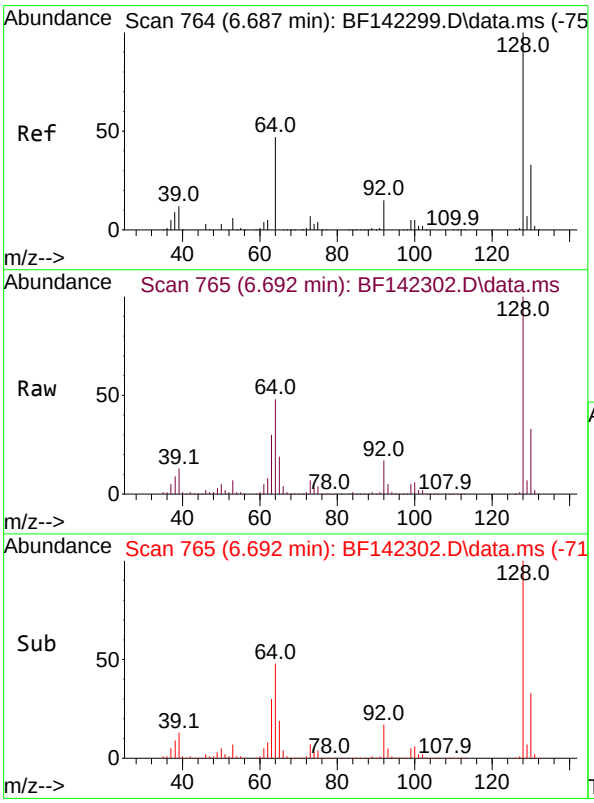
Ion	Ratio	Lower	Upper
99	100		
42	21.2	17.0	25.4
71	33.0	25.8	38.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

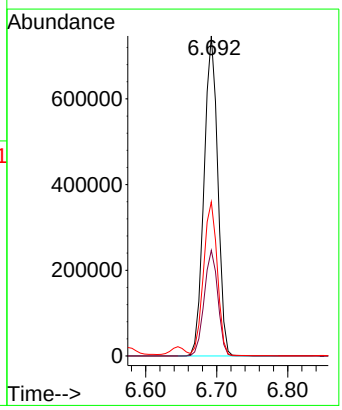
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

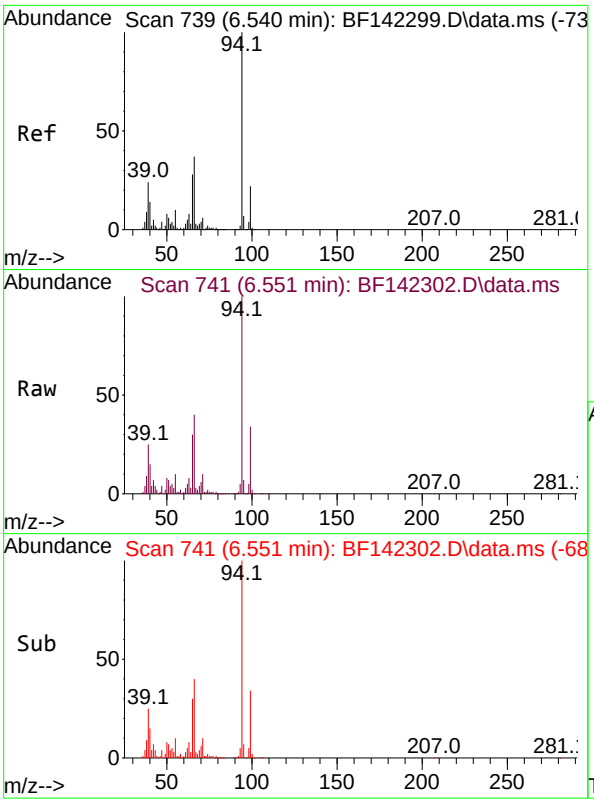


#8
2-Chlorophenol
Concen: 78.300 ng
RT: 6.692 min Scan# 765
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:128 Resp: 1007022

Ion	Ratio	Lower	Upper
128	100		
130	33.0	12.7	52.7
64	48.1	29.2	69.2

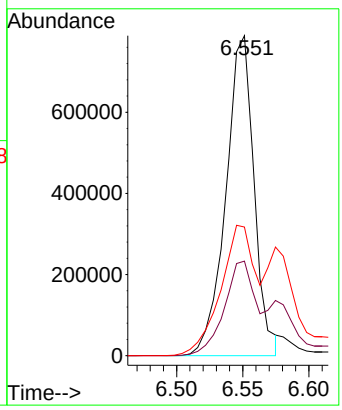




#10
Phenol
Concen: 74.728 ng m
RT: 6.551 min Scan# 7
Delta R.T. 0.012 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion: 94 Resp: 117254

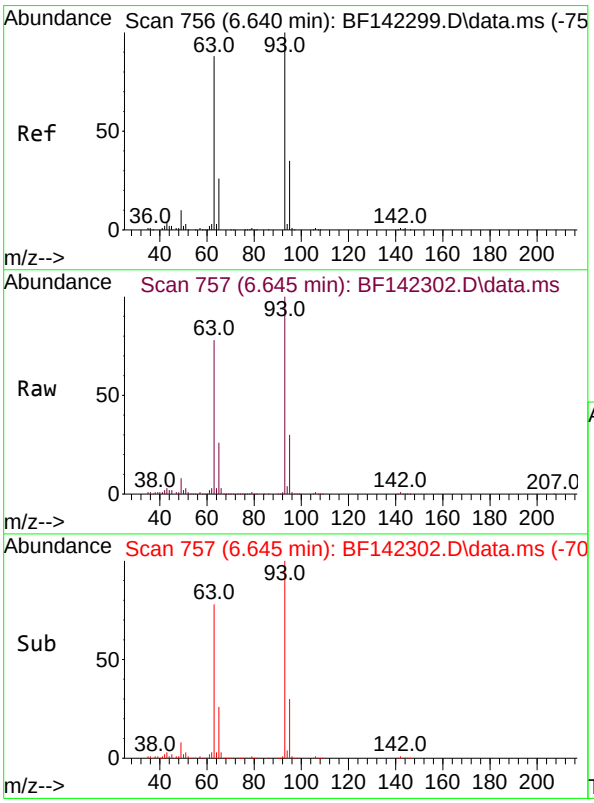
Ion	Ratio	Lower	Upper
94	100		
65	29.6	8.5	48.5
66	40.2	17.3	57.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

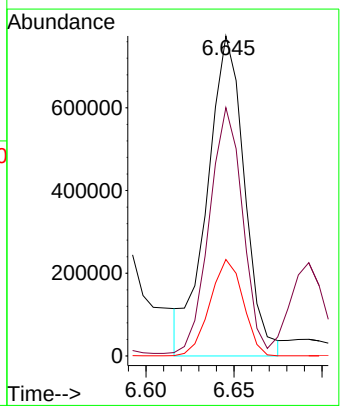
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

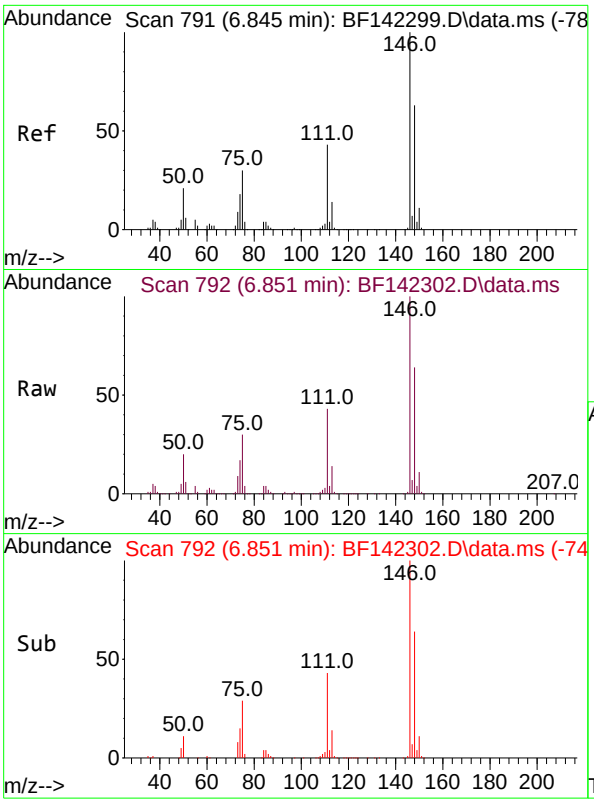


#11
bis(2-Chloroethyl)ether
Concen: 73.913 ng m
RT: 6.645 min Scan# 757
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion: 93 Resp: 1143684

Ion	Ratio	Lower	Upper
93	100		
63	77.6	58.4	98.4
95	30.1	10.6	50.6

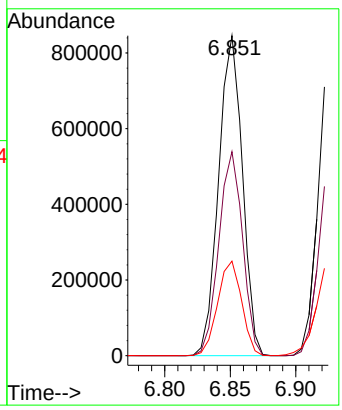




#12
1,3-Dichlorobenzene
Concen: 72.470 ng
RT: 6.851 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:146 Resp: 106630

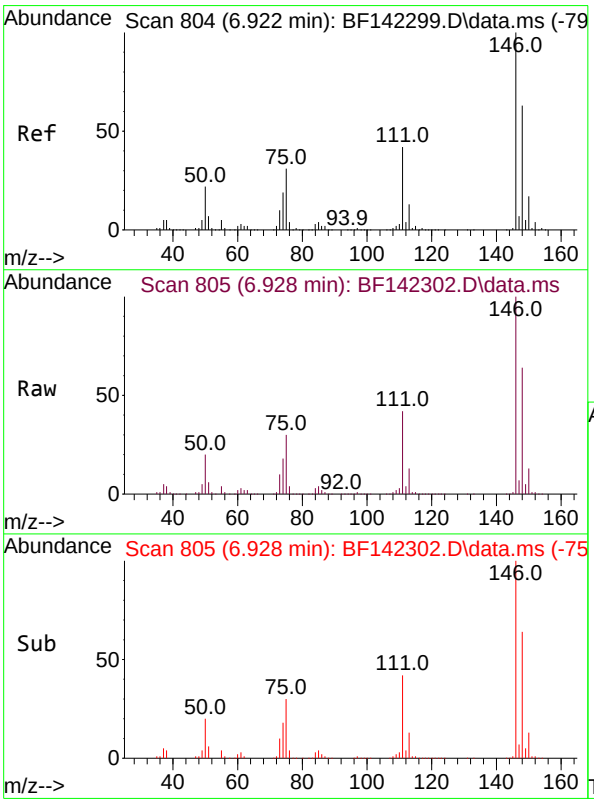
Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.6	76.0
75	29.6	24.2	36.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

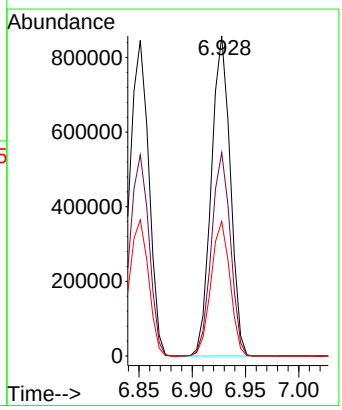
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

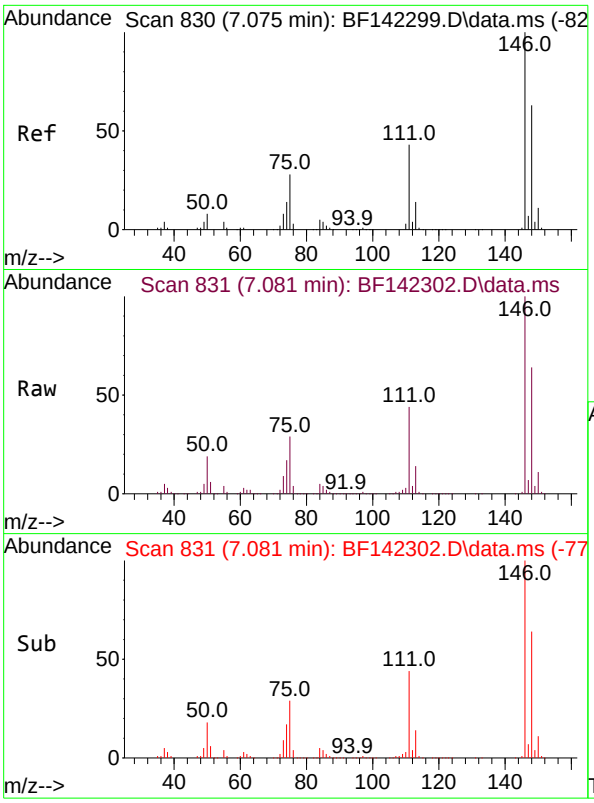


#13
1,4-Dichlorobenzene
Concen: 71.991 ng
RT: 6.928 min Scan# 805
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:146 Resp: 1063540

Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.5	75.7
111	42.1	33.4	50.2

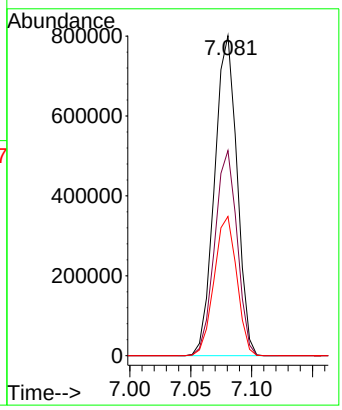




#14
1,2-Dichlorobenzene
Concen: 72.657 ng
RT: 7.081 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:146 Resp: 103029

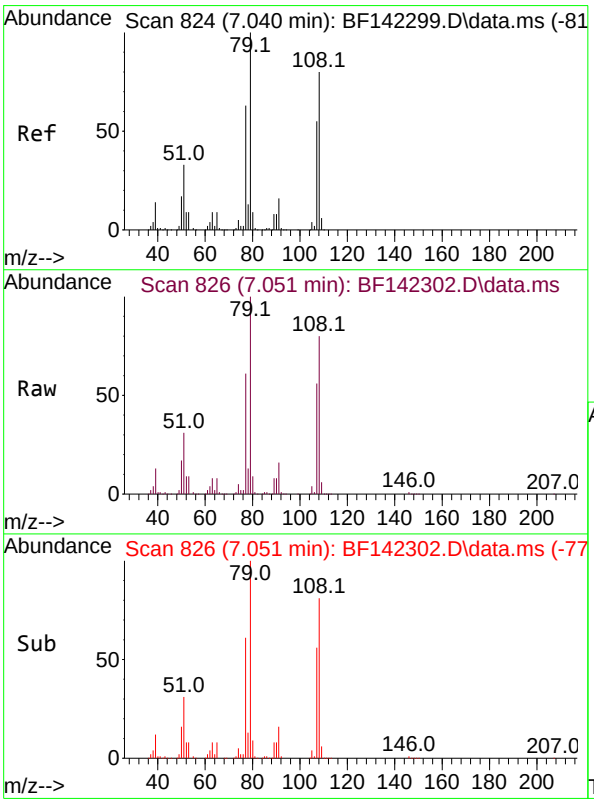
Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.3	75.5
111	43.5	34.5	51.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

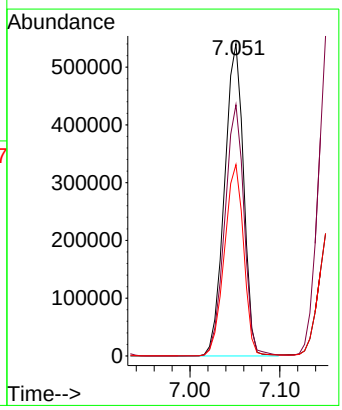
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

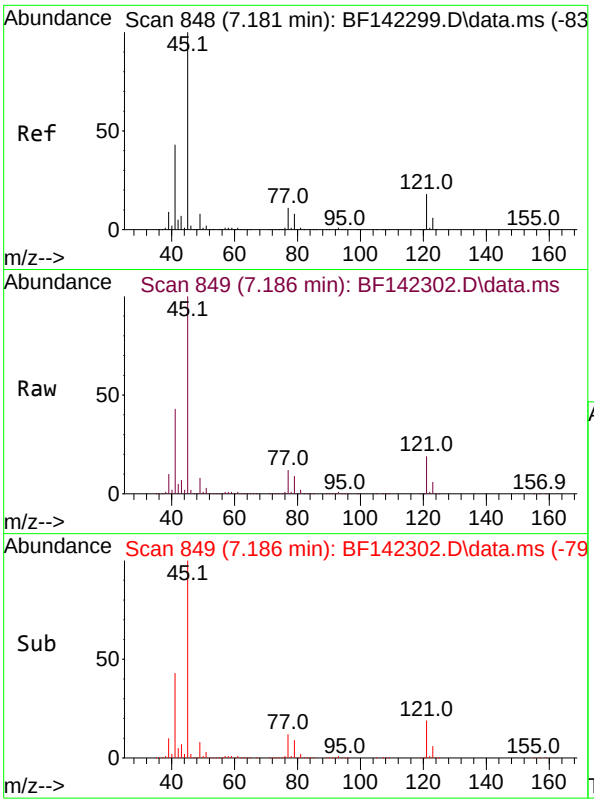


#15
Benzyl Alcohol
Concen: 83.370 ng
RT: 7.051 min Scan# 826
Delta R.T. 0.012 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion: 79 Resp: 799114

Ion	Ratio	Lower	Upper
79	100		
108	80.5	63.9	95.9
77	61.3	50.7	76.1

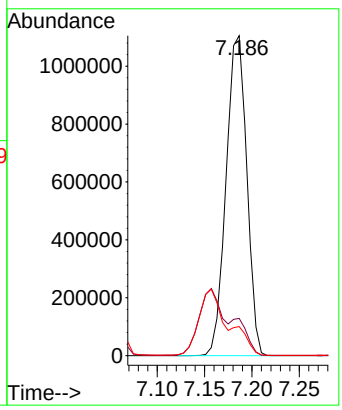




#16
2,2'-oxybis(1-Chloropropane)
Concen: 72.703 ng
RT: 7.186 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion: 45 Resp: 167992

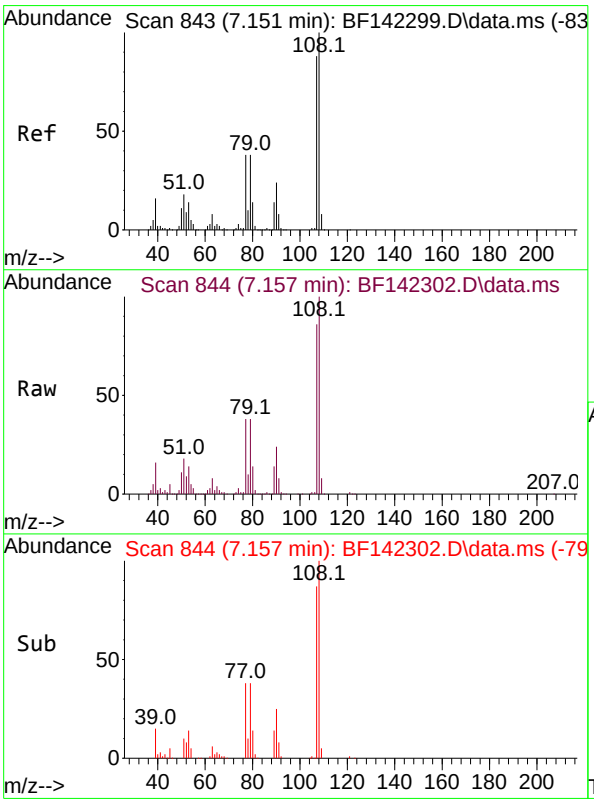
Ion	Ratio	Lower	Upper
45	100		
77	11.7	0.0	31.2
79	9.1	0.0	28.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

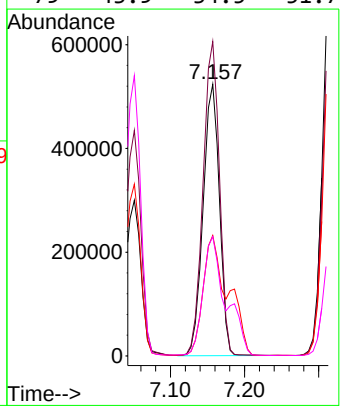
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

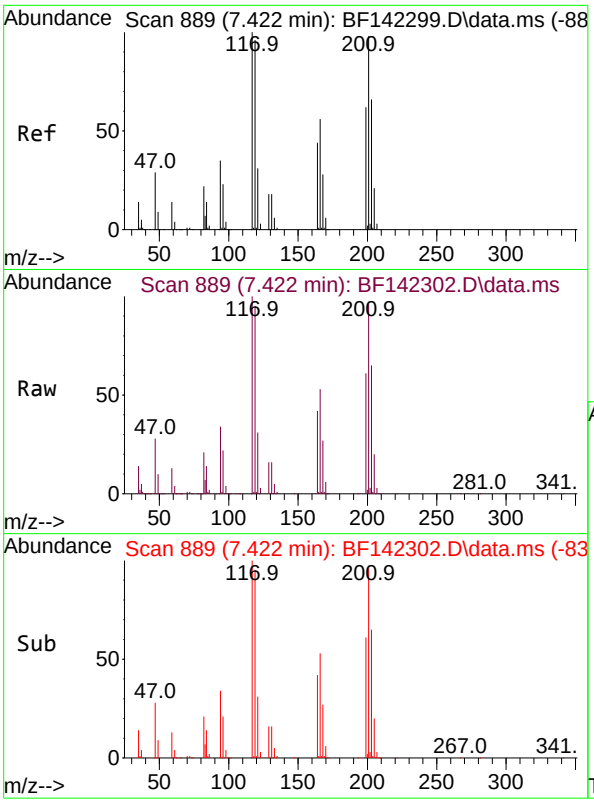


#17
2-Methylphenol
Concen: 77.177 ng
RT: 7.157 min Scan# 844
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:107 Resp: 803596

Ion	Ratio	Lower	Upper
107	100		
108	115.7	91.1	136.7
77	44.4	34.7	52.1
79	43.9	34.5	51.7

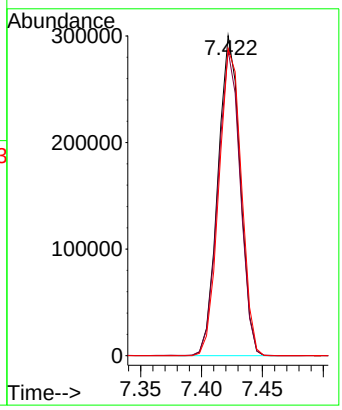




#18
Hexachloroethane
Concen: 77.452 ng
RT: 7.422 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:117 Resp: 38070

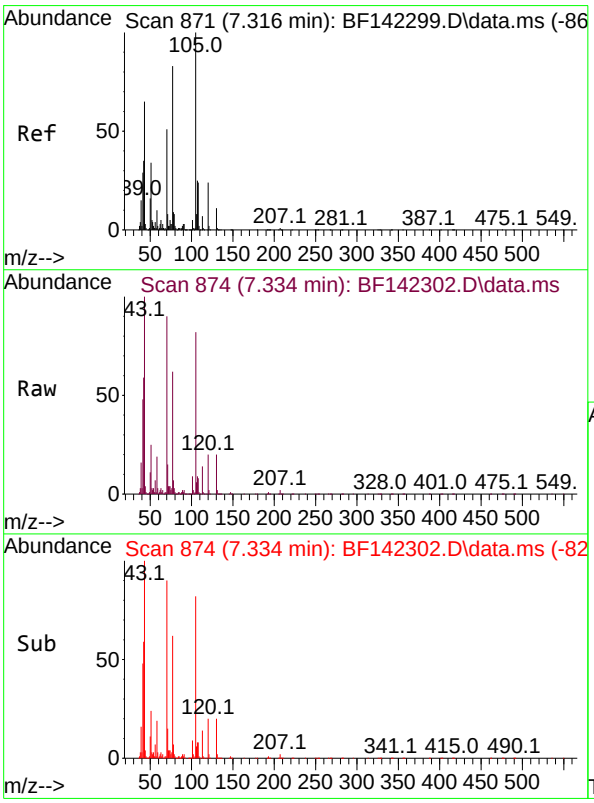
Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.9	115.3
201	96.0	78.0	117.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

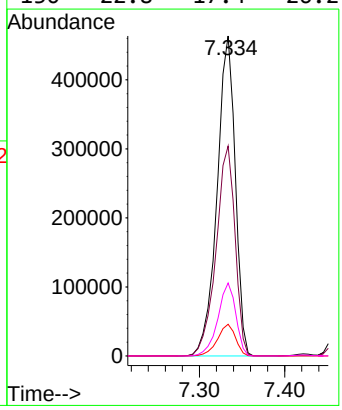
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

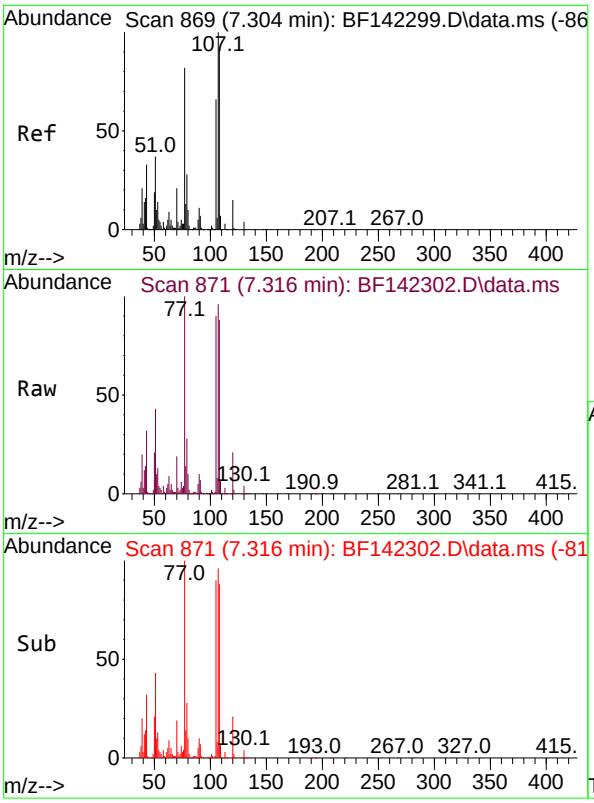


#19
n-Nitroso-di-n-propylamine
Concen: 75.168 ng
RT: 7.334 min Scan# 874
Delta R.T. 0.018 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion: 70 Resp: 688261

Ion	Ratio	Lower	Upper
70	100		
42	65.6	54.8	82.2
101	9.9	7.7	11.5
130	22.8	17.4	26.2

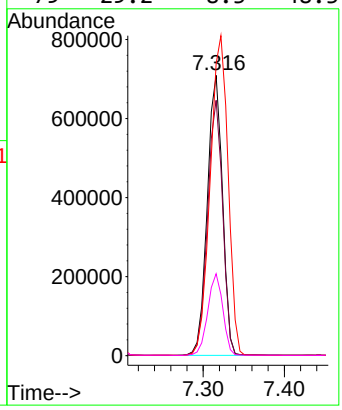




#20
3+4-Methylphenols
Concen: 70.906 ng
RT: 7.316 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:107 Resp: 92142

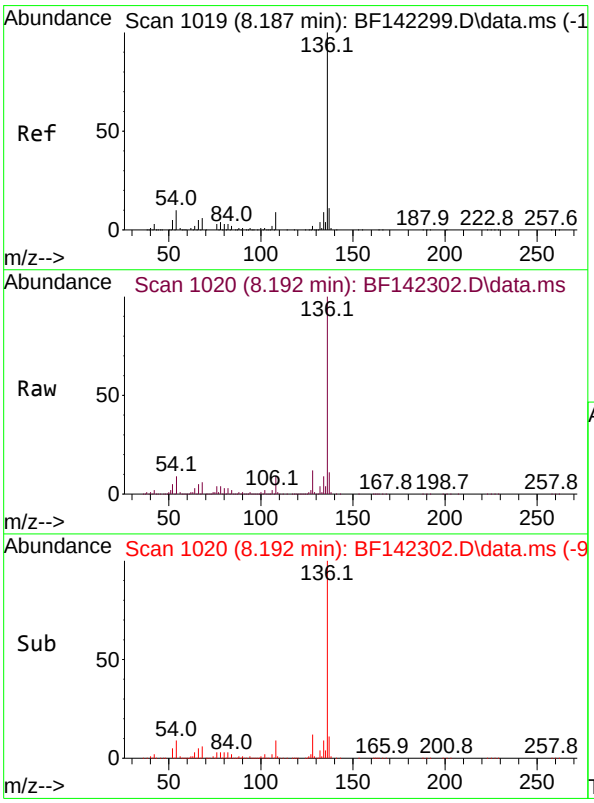
Ion	Ratio	Lower	Upper
107	100		
108	91.1	71.5	111.5
77	104.1	61.6	101.6
79	29.2	8.3	48.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

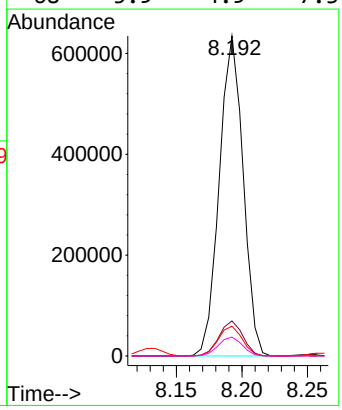
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

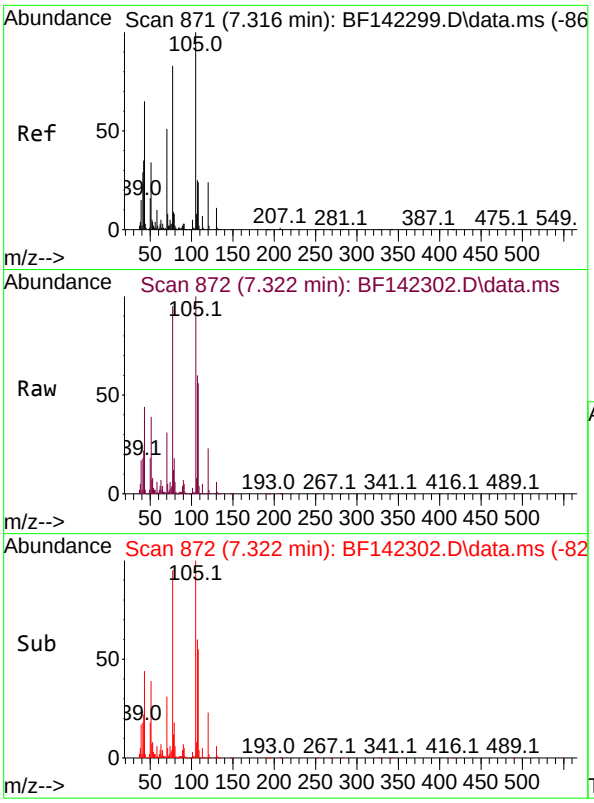


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.192 min Scan# 1020
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:136 Resp: 801101

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.3	7.7	11.5
68	5.9	4.9	7.3

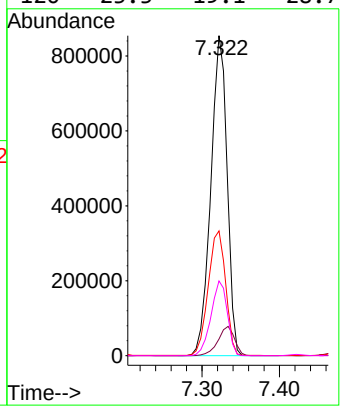




#22
Acetophenone
Concen: 69.916 ng
RT: 7.322 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:105 Resp: 124534

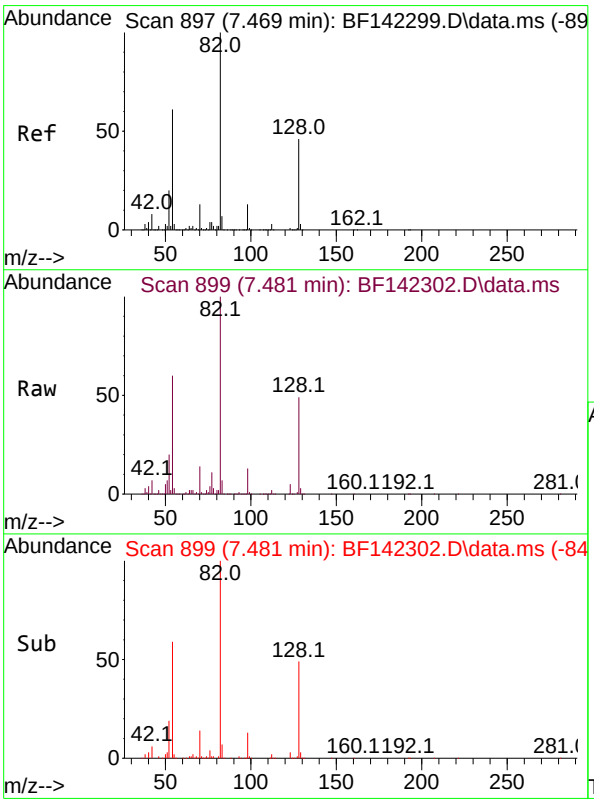
Ion	Ratio	Lower	Upper
105	100		
71	5.2	6.7	10.1
51	39.0	27.6	41.4
120	23.3	19.1	28.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

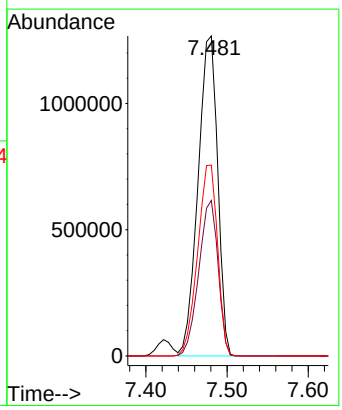
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

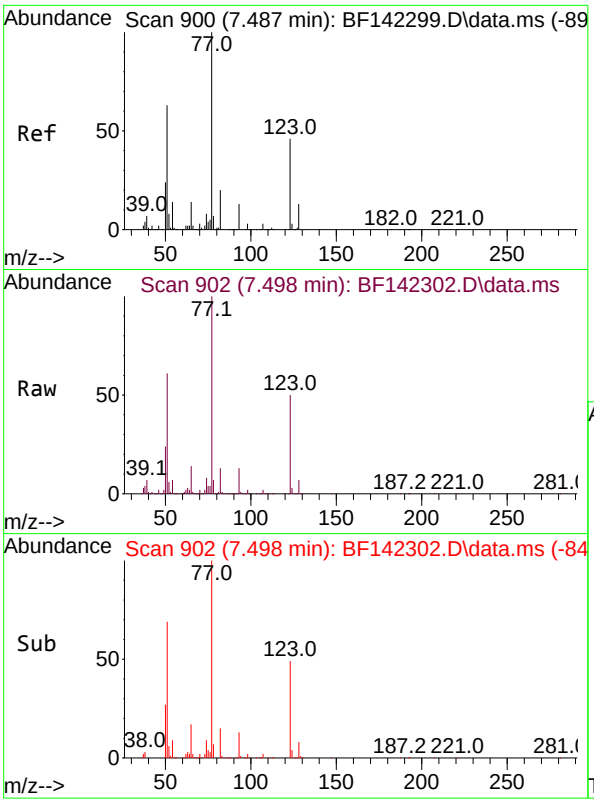


#23
Nitrobenzene-d5
Concen: 162.047 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.012 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion: 82 Resp: 2128583

Ion	Ratio	Lower	Upper
82	100		
128	48.6	37.0	55.6
54	59.7	48.6	73.0





#24
Nitrobenzene
Concen: 79.029 ng
RT: 7.498 min Scan# 9
Delta R.T. 0.012 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

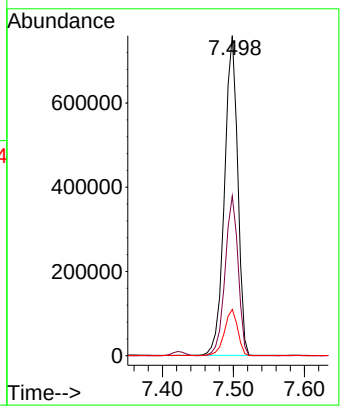
Tgt Ion: 77 Resp: 97853

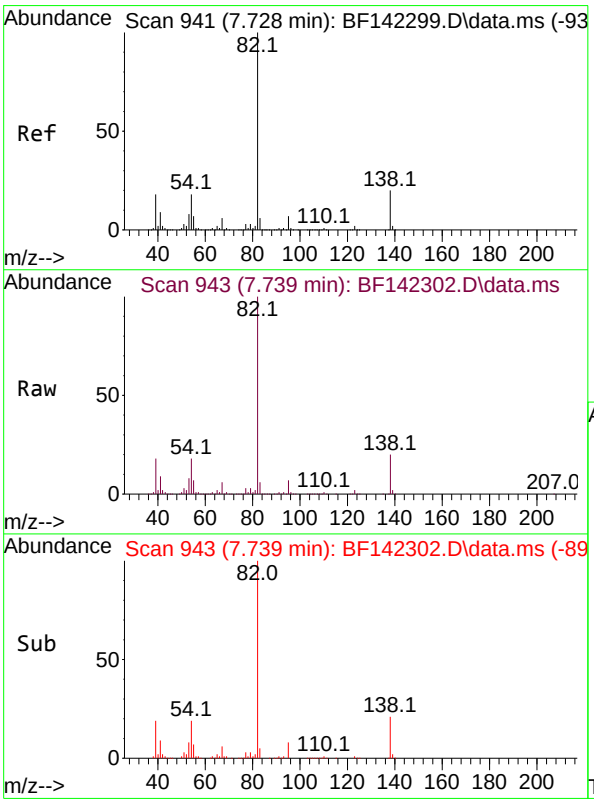
Ion	Ratio	Lower	Upper
77	100		
123	49.9	37.8	56.8
65	14.5	11.4	17.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

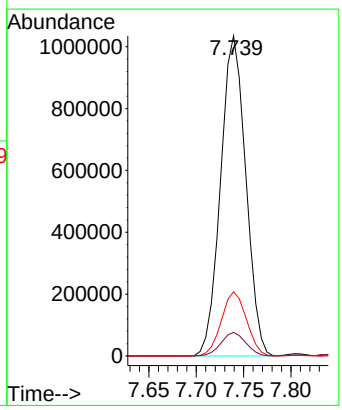


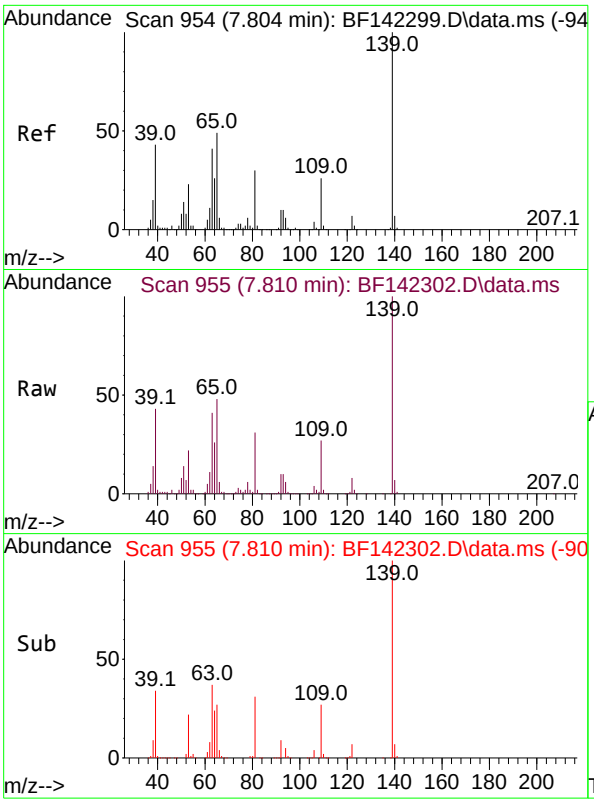


#25
Isophorone
Concen: 77.044 ng
RT: 7.739 min Scan# 943
Delta R.T. 0.012 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion: 82 Resp: 1916388

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.8	8.8
138	20.1	16.1	24.1

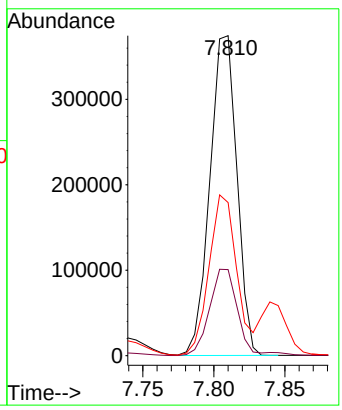




#26
2-Nitrophenol
Concen: 80.172 ng
RT: 7.810 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:139 Resp: 49634

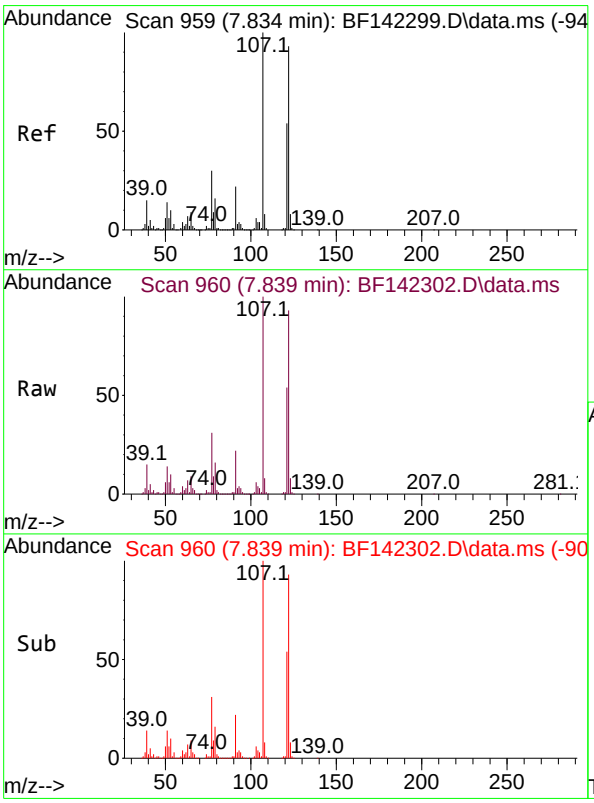
Ion	Ratio	Lower	Upper
139	100		
109	26.9	20.8	31.2
65	47.8	38.9	58.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

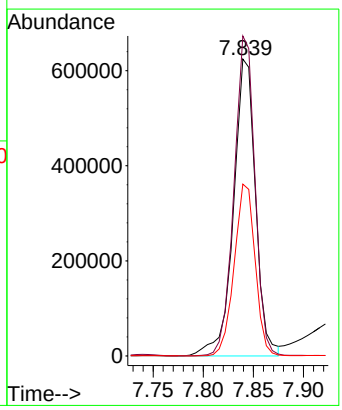
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

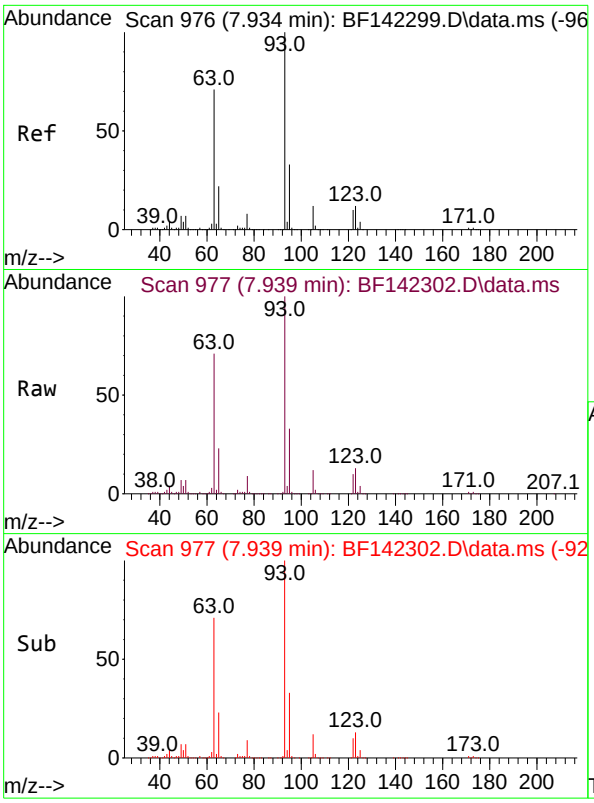


#27
2,4-Dimethylphenol
Concen: 76.651 ng
RT: 7.839 min Scan# 960
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:122 Resp: 958602

Ion	Ratio	Lower	Upper
122	100		
107	107.7	86.0	129.0
121	57.8	46.2	69.4





#28
bis(2-Chloroethoxy)methane
Concen: 73.236 ng
RT: 7.939 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

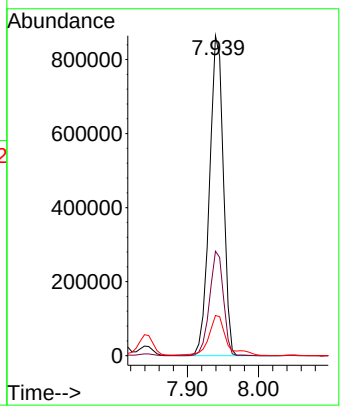
Tgt Ion: 93 Resp: 117136

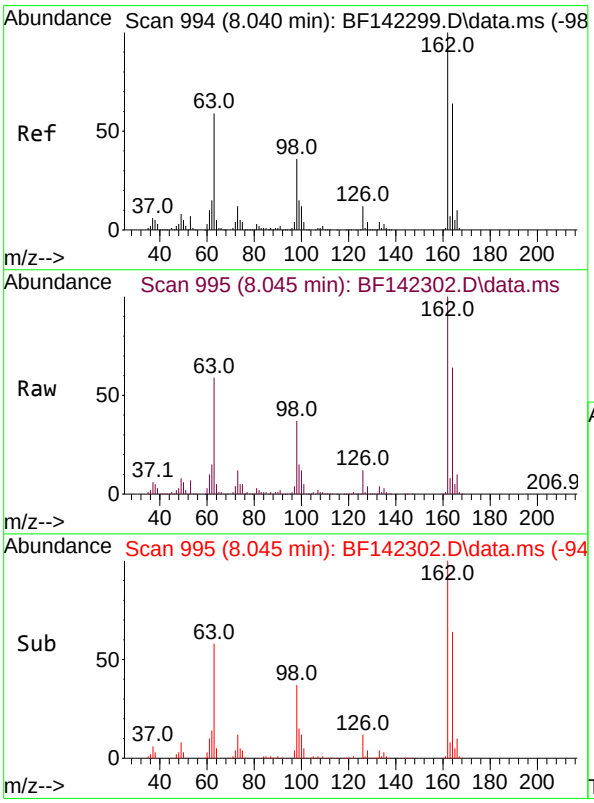
Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.1	39.1
123	12.5	10.2	15.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

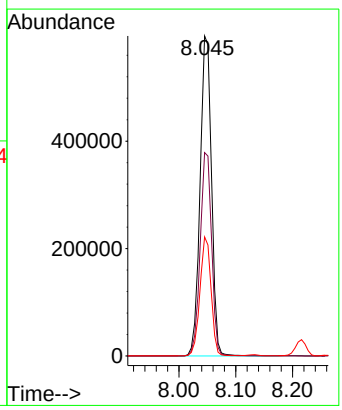


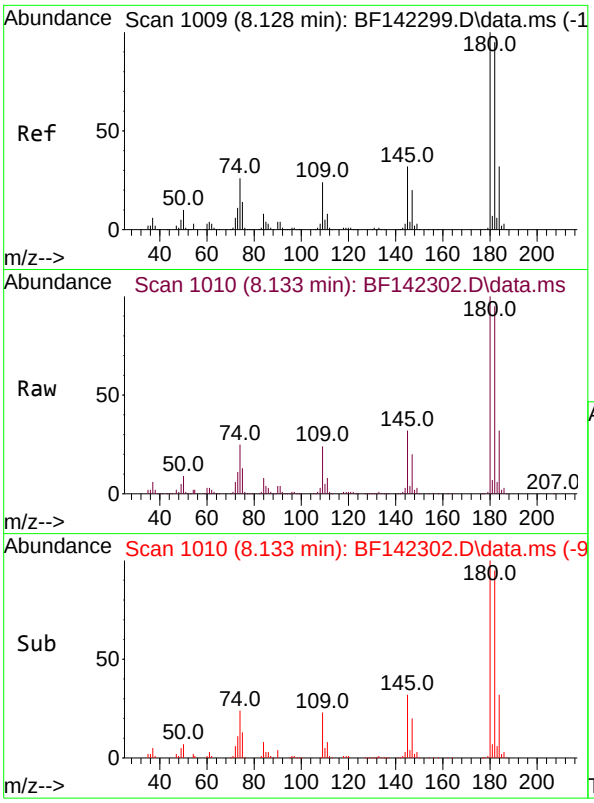


#29
2,4-Dichlorophenol
Concen: 78.283 ng
RT: 8.045 min Scan# 995
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:162 Resp: 832329

Ion	Ratio	Lower	Upper
162	100		
164	63.5	43.6	83.6
98	37.2	16.5	56.5

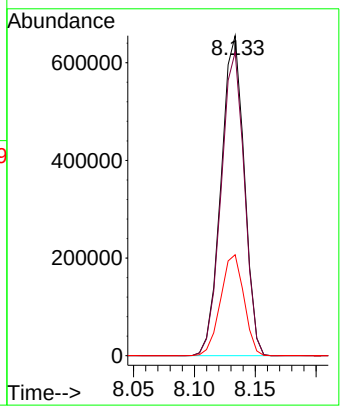




#30
1,2,4-Trichlorobenzene
Concen: 72.551 ng
RT: 8.133 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:180 Resp: 86812

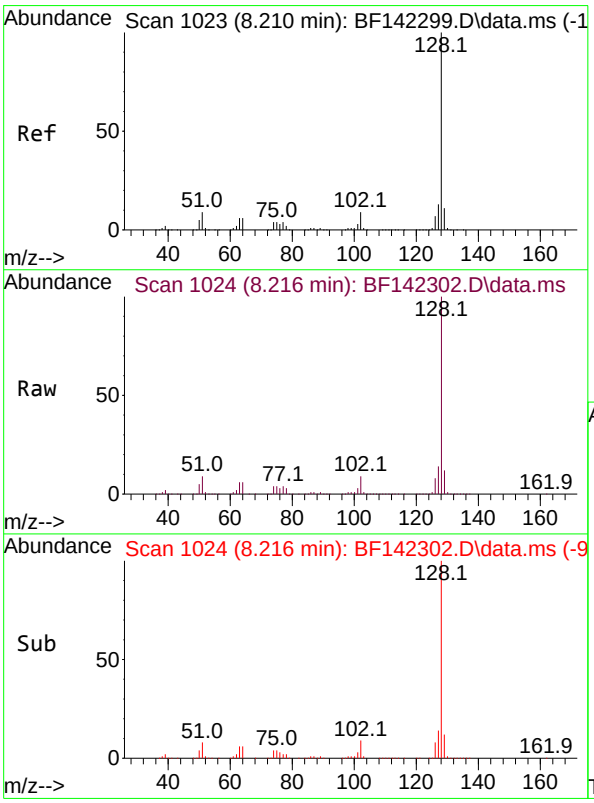
Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.2	114.4
145	31.6	25.8	38.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

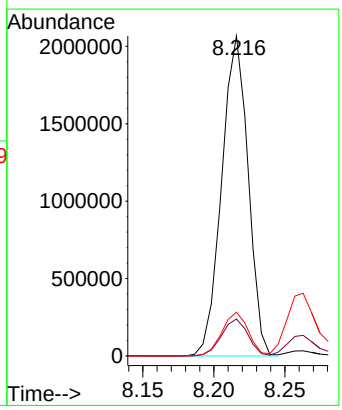
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

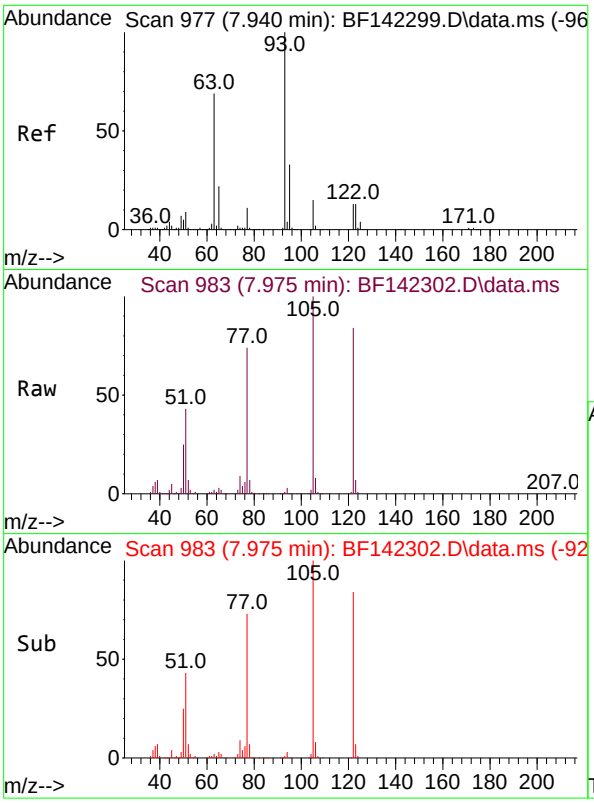


#31
Naphthalene
Concen: 68.916 ng
RT: 8.216 min Scan# 1024
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:128 Resp: 2675722

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.1	13.7
127	13.7	10.5	15.7

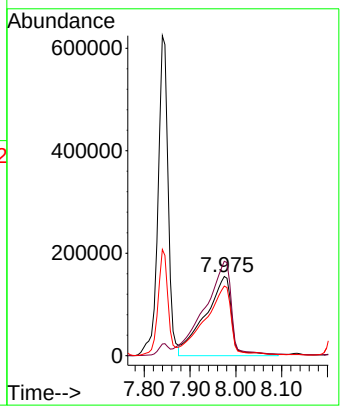




#32
Benzoic acid
Concen: 79.184 ng m
RT: 7.975 min Scan# 9
Delta R.T. 0.035 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:122 Resp: 62231

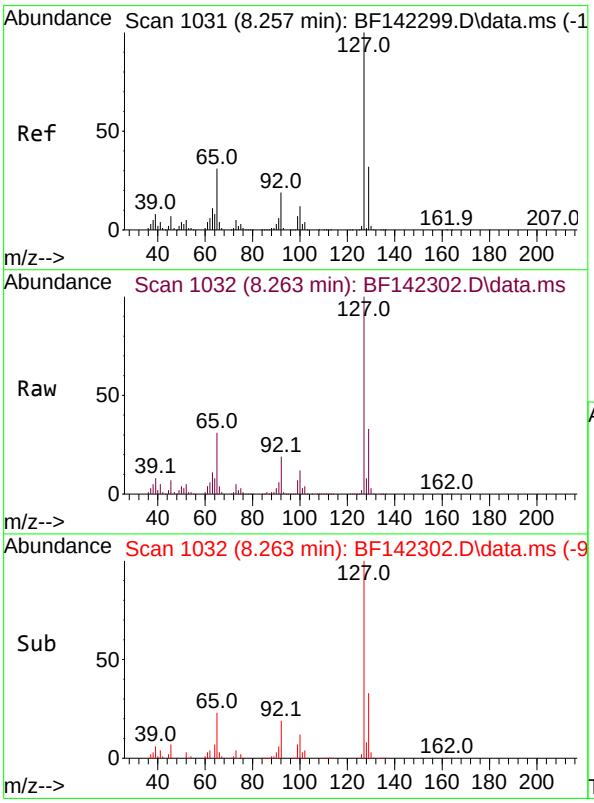
Ion	Ratio	Lower	Upper
122	100		
105	119.1	97.9	137.9
77	88.0	67.7	107.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

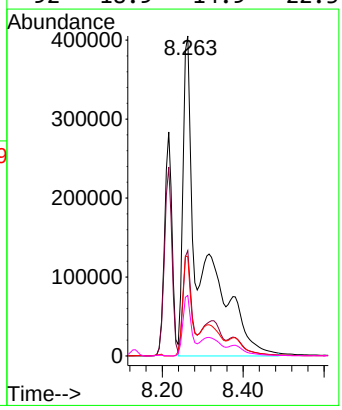
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

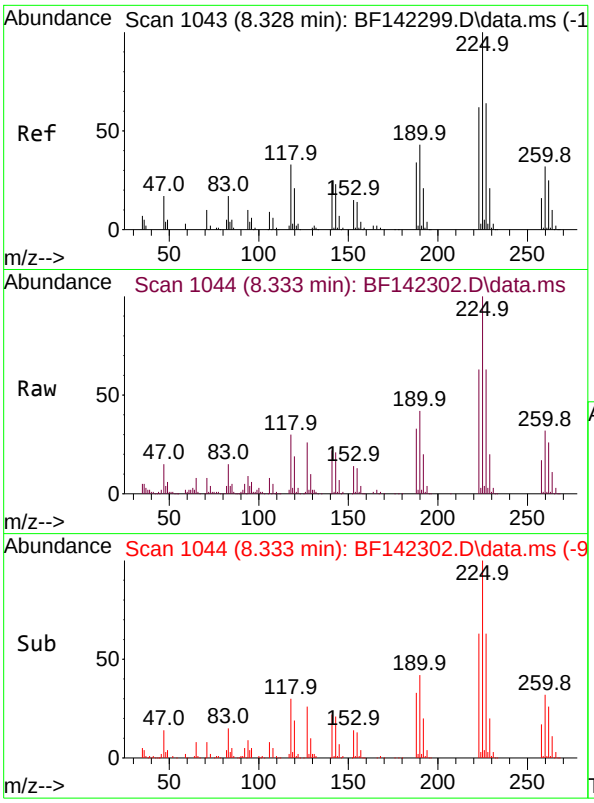


#33
4-Chloroaniline
Concen: 79.003 ng m
RT: 8.263 min Scan# 1032
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:127 Resp: 1251630

Ion	Ratio	Lower	Upper
127	100		
129	32.9	25.7	38.5
65	31.0	24.9	37.3
92	18.9	14.9	22.3

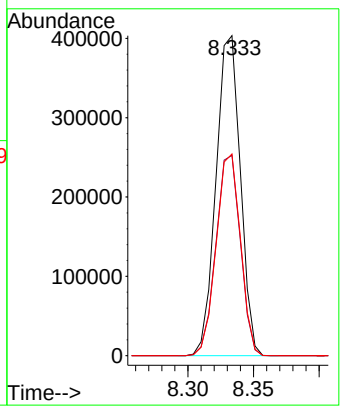




#34
Hexachlorobutadiene
Concen: 73.460 ng
RT: 8.333 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:225 Resp: 52049

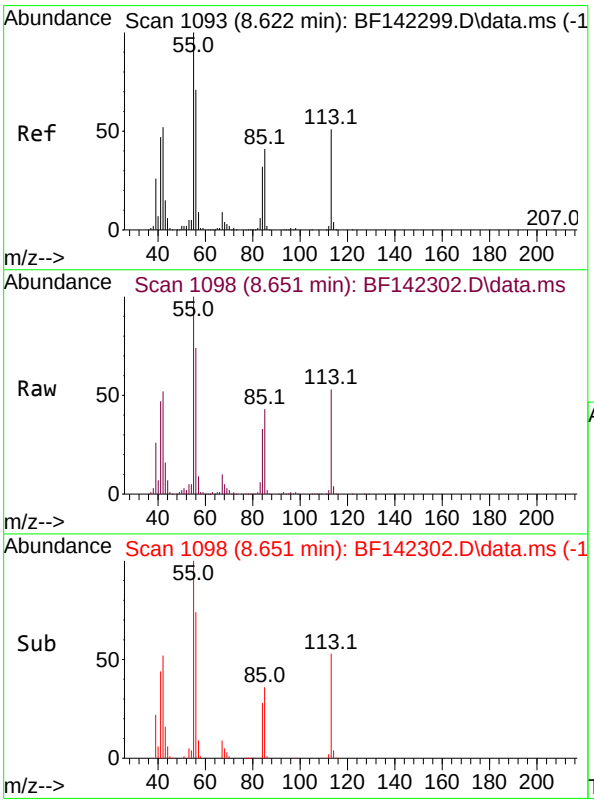
Ion	Ratio	Lower	Upper
225	100		
223	62.6	49.8	74.6
227	63.0	50.9	76.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

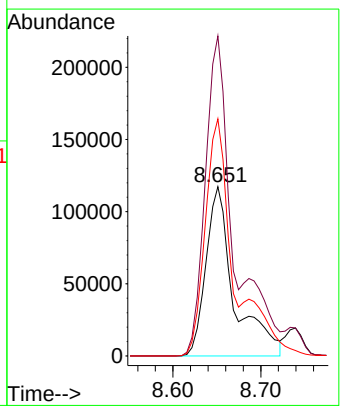
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

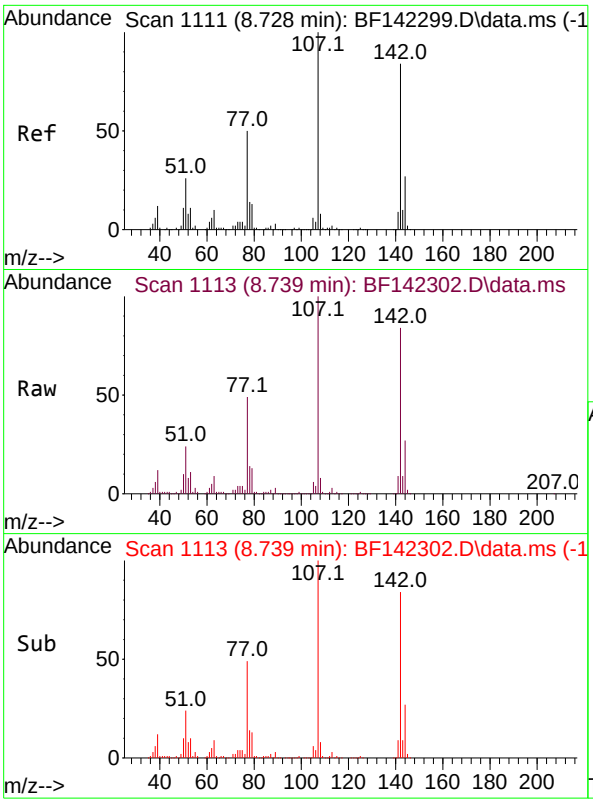


#35
Caprolactam
Concen: 84.368 ng m
RT: 8.651 min Scan# 1098
Delta R.T. 0.029 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:113 Resp: 261433

Ion	Ratio	Lower	Upper
113	100		
55	189.0	176.4	216.4
56	140.1	120.3	160.3

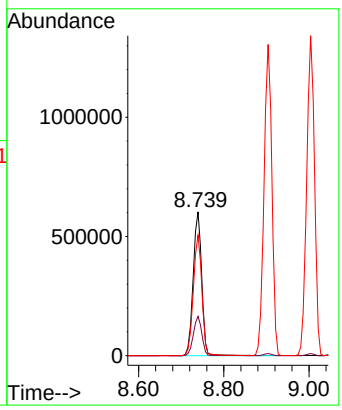




#36
4-Chloro-3-methylphenol
Concen: 76.050 ng
RT: 8.739 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:107 Resp: 84053

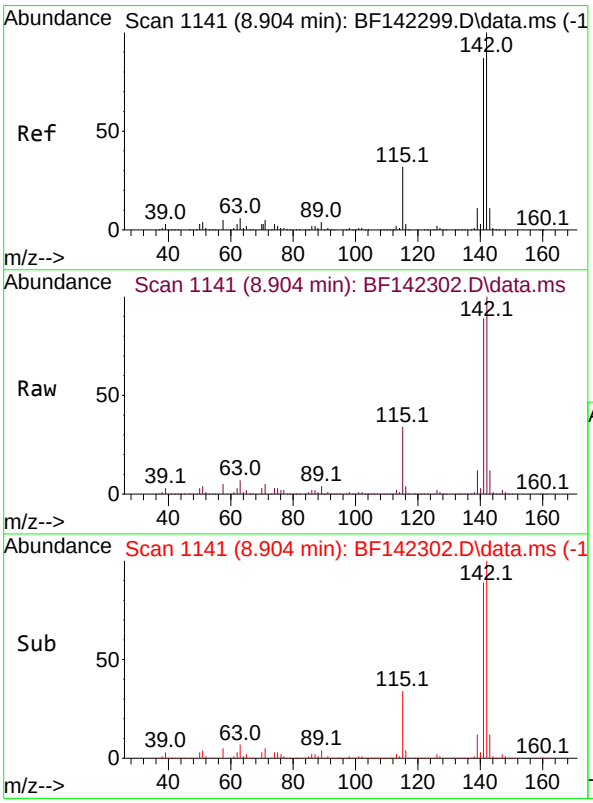
Ion	Ratio	Lower	Upper
107	100		
144	27.3	21.3	31.9
142	83.7	66.9	100.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

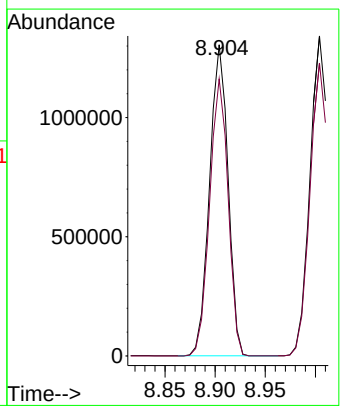
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

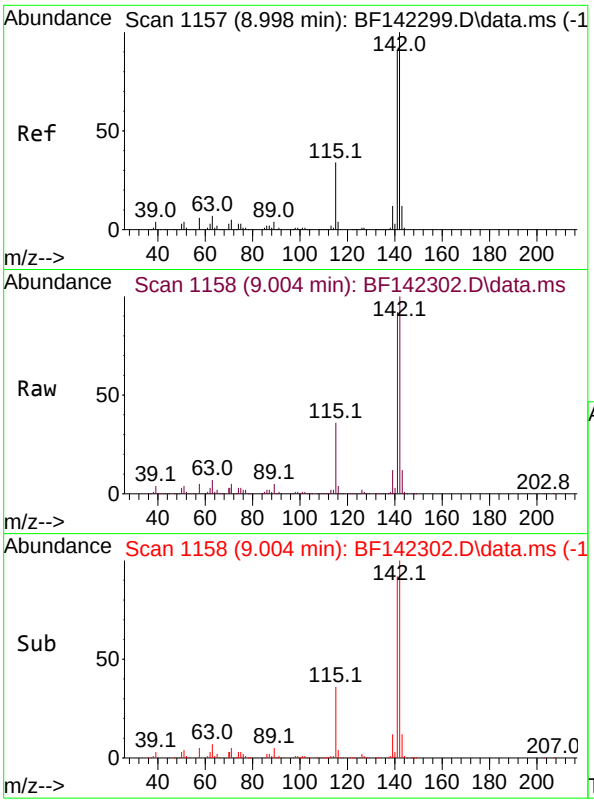


#37
2-Methylnaphthalene
Concen: 69.220 ng
RT: 8.904 min Scan# 1141
Delta R.T. -0.000 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:142 Resp: 1669985

Ion	Ratio	Lower	Upper
142	100		
141	89.1	69.4	104.2

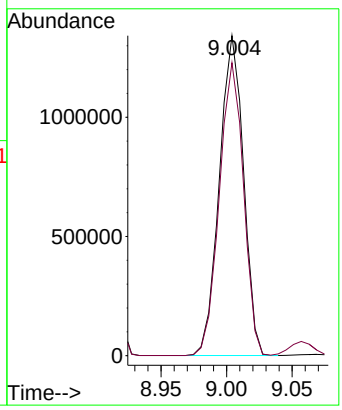




#38
1-Methylnaphthalene
Concen: 68.165 ng
RT: 9.004 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:142 Resp: 171404

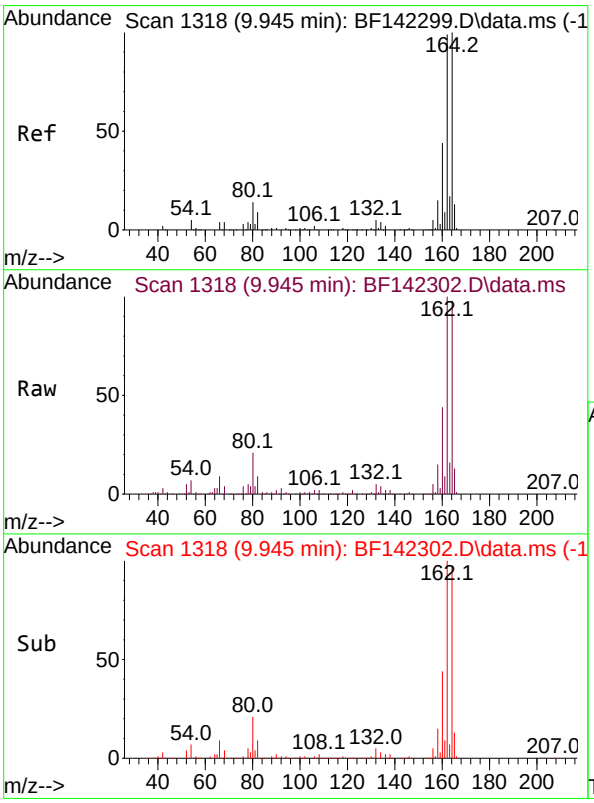
Ion	Ratio	Lower	Upper
142	100		
141	91.6	72.5	108.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

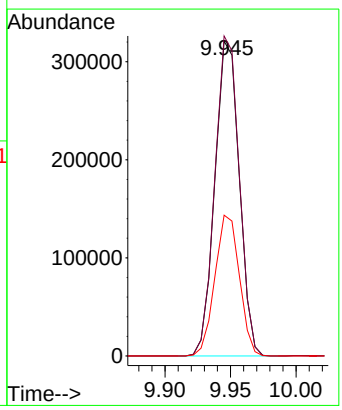
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

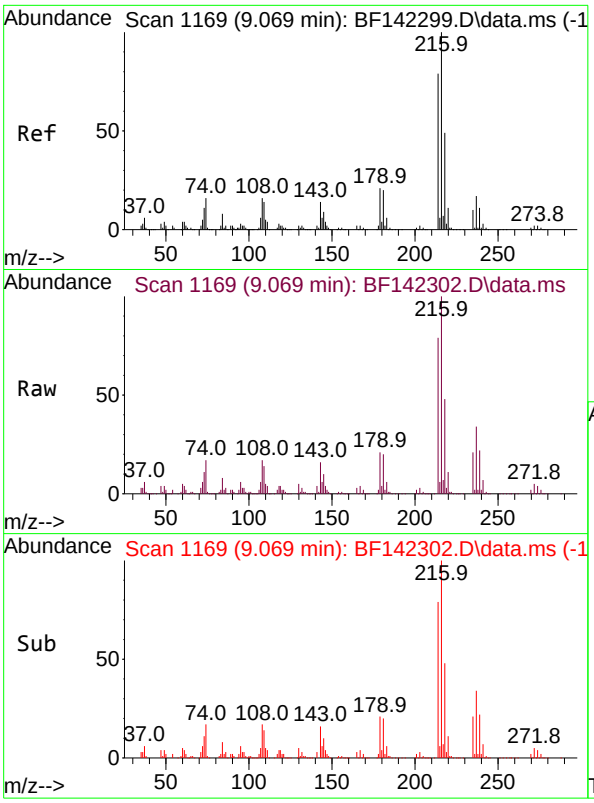


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1318
Delta R.T. 0.000 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:164 Resp: 414811

Ion	Ratio	Lower	Upper
164	100		
162	101.7	79.2	118.8
160	44.7	35.3	52.9

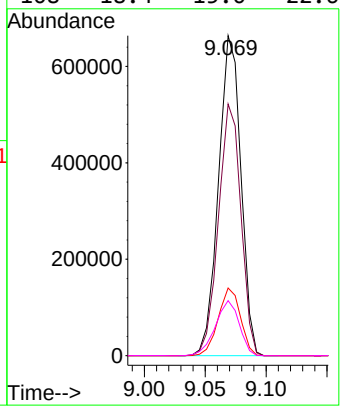




#40
1,2,4,5-Tetrachlorobenzene
Concen: 73.349 ng
RT: 9.069 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:216 Resp: 84977

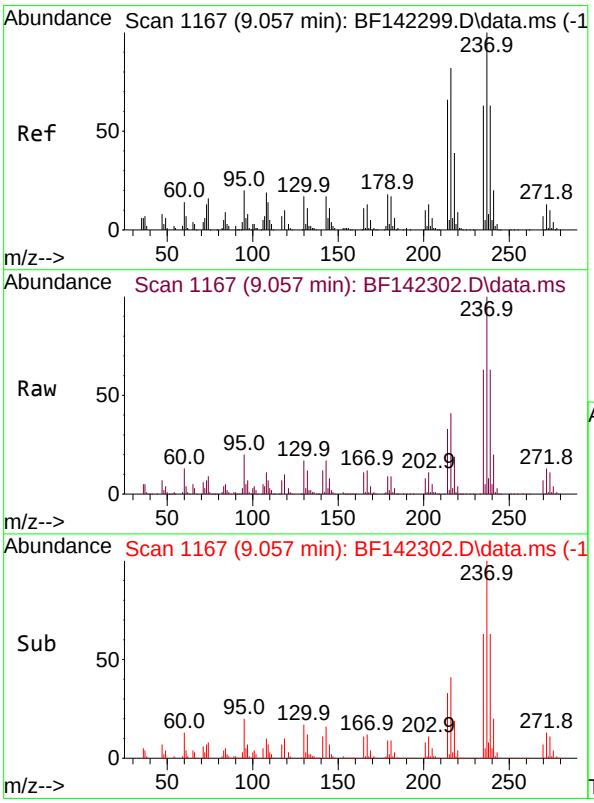
Ion	Ratio	Lower	Upper
216	100		
214	78.7	63.8	95.6
179	21.0	17.0	25.6
108	18.4	15.0	22.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

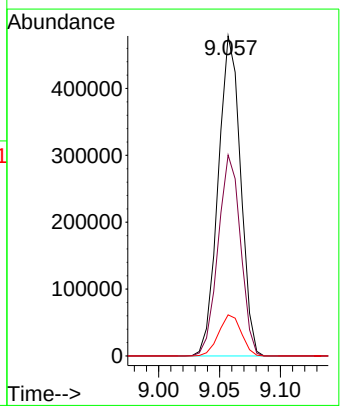
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

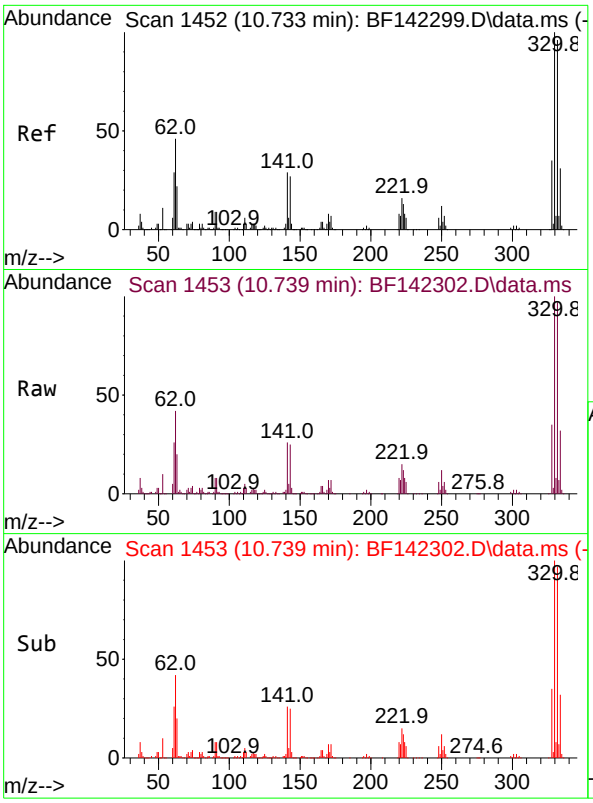


#41
Hexachlorocyclopentadiene
Concen: 85.560 ng
RT: 9.057 min Scan# 1167
Delta R.T. -0.000 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:237 Resp: 612608

Ion	Ratio	Lower	Upper
237	100		
235	62.8	42.8	82.8
272	12.8	0.0	33.0

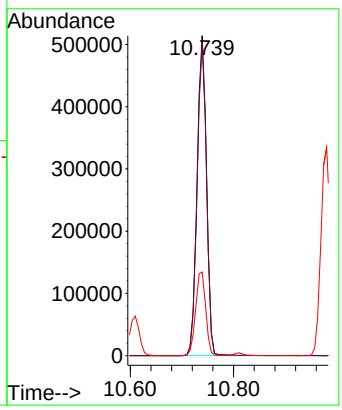




#42
2,4,6-Tribromophenol
Concen: 163.012 ng
RT: 10.739 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:330 Resp: 65285

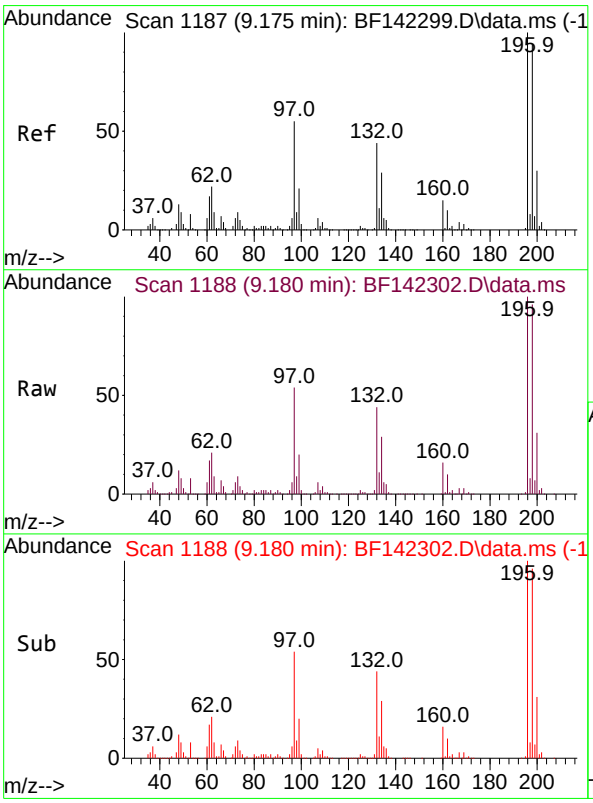
Ion	Ratio	Lower	Upper
330	100		
332	97.1	76.8	115.2
141	27.9	24.9	37.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

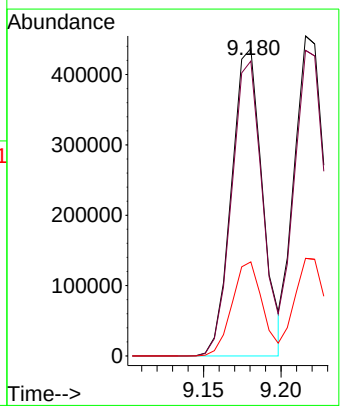
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

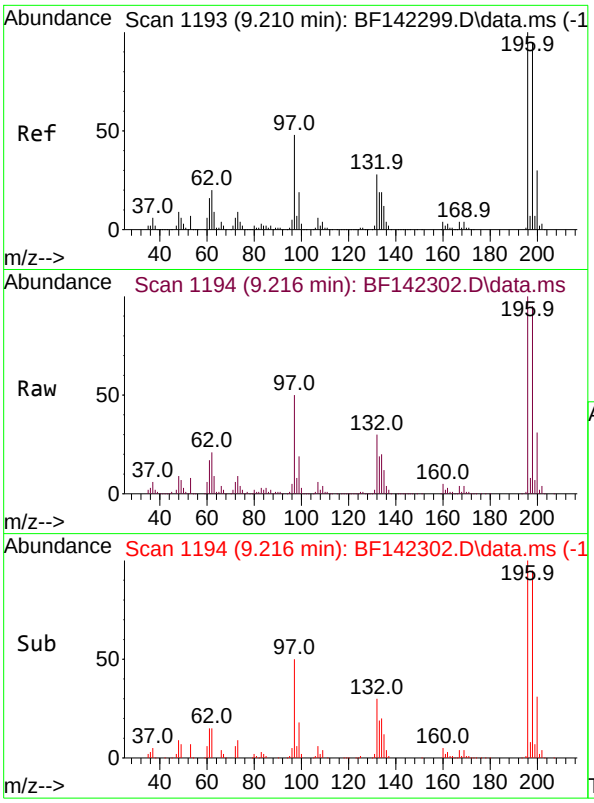


#43
2,4,6-Trichlorophenol
Concen: 82.898 ng
RT: 9.180 min Scan# 1188
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:196 Resp: 605787

Ion	Ratio	Lower	Upper
196	100		
198	96.0	75.4	113.0
200	30.6	24.3	36.5

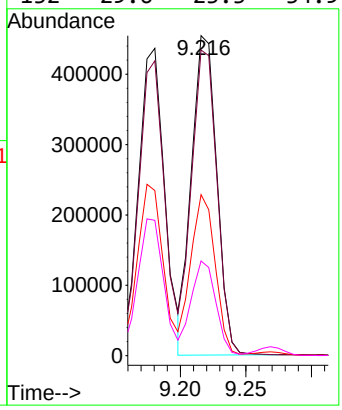




#44
2,4,5-Trichlorophenol
Concen: 78.648 ng
RT: 9.216 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:196 Resp: 611514

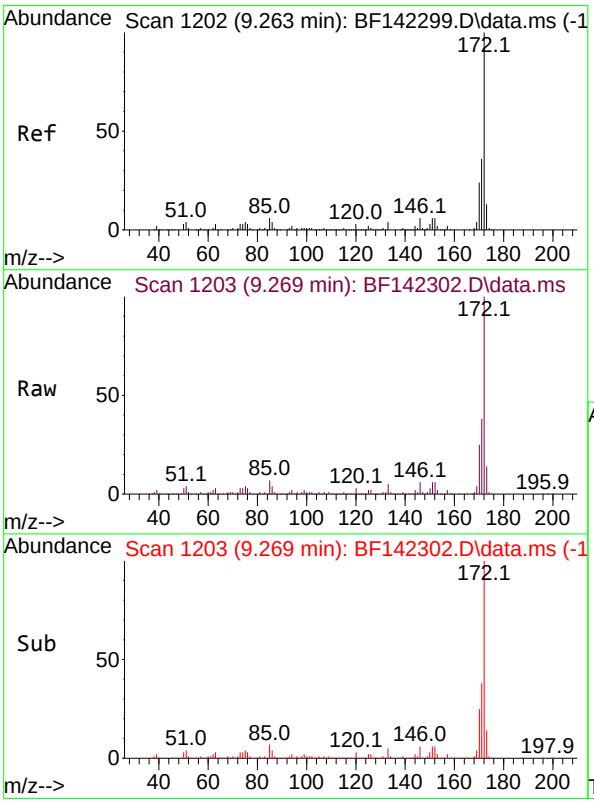
Ion	Ratio	Lower	Upper
196	100		
198	95.5	76.1	114.1
97	50.3	39.0	58.4
132	29.6	23.3	34.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

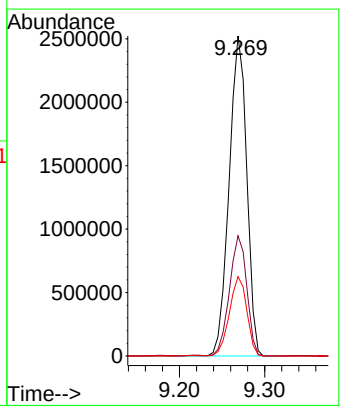
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

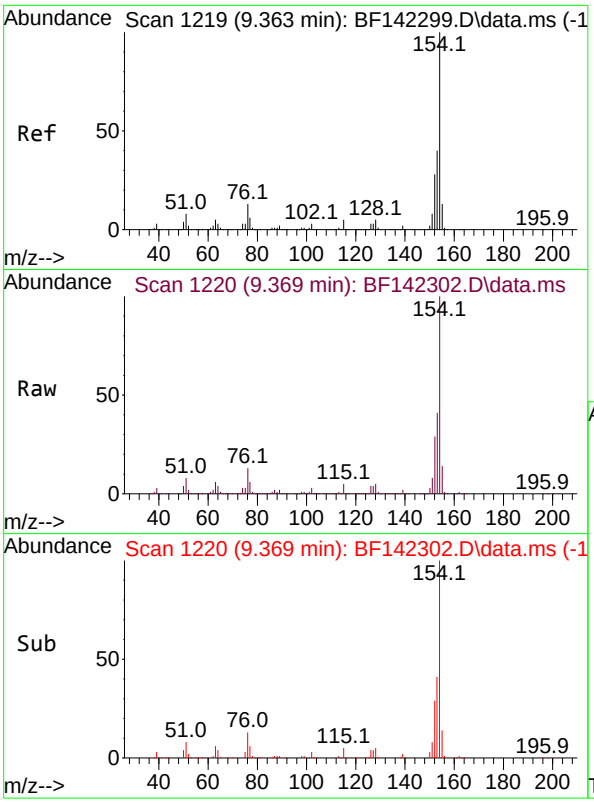


#45
2-Fluorobiphenyl
Concen: 124.337 ng
RT: 9.269 min Scan# 1203
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:172 Resp: 3617174

Ion	Ratio	Lower	Upper
172	100		
171	37.6	28.6	42.8
170	24.8	19.0	28.4

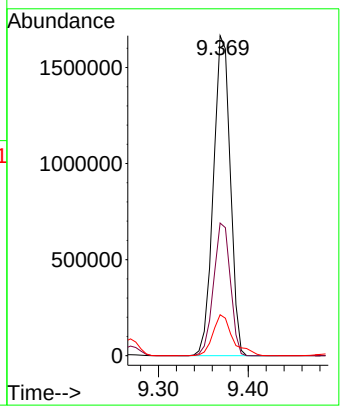




#46
1,1'-Biphenyl
Concen: 68.328 ng
RT: 9.369 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:154 Resp: 217320

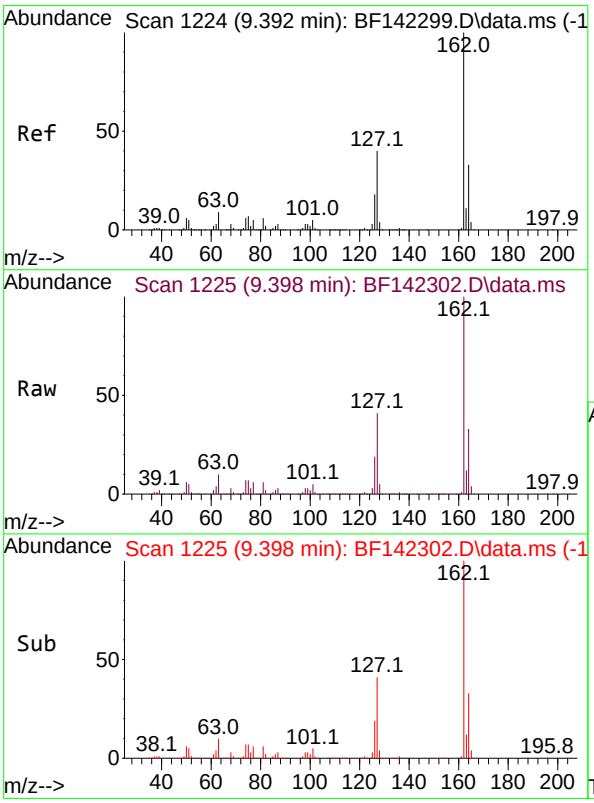
Ion	Ratio	Lower	Upper
154	100		
153	41.5	20.5	60.5
76	12.8	0.0	32.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

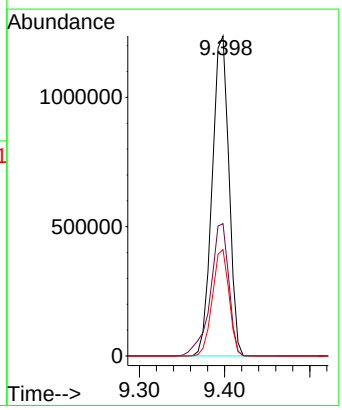
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

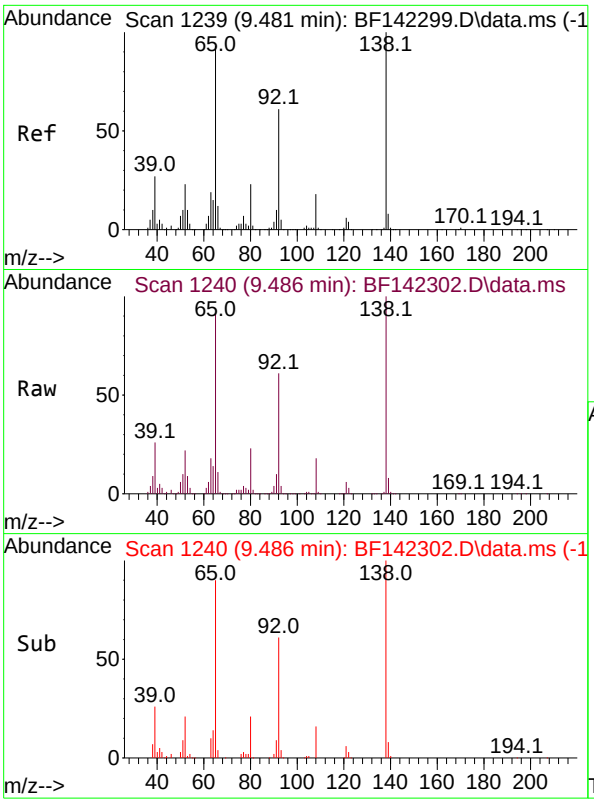


#47
2-Chloronaphthalene
Concen: 71.397 ng
RT: 9.398 min Scan# 1225
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:162 Resp: 1688751

Ion	Ratio	Lower	Upper
162	100		
127	41.4	32.3	48.5
164	33.3	26.6	40.0





#48
2-Nitroaniline
Concen: 90.354 ng
RT: 9.486 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

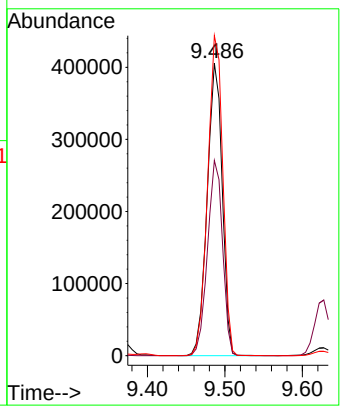
Tgt Ion: 65 Resp: 54778

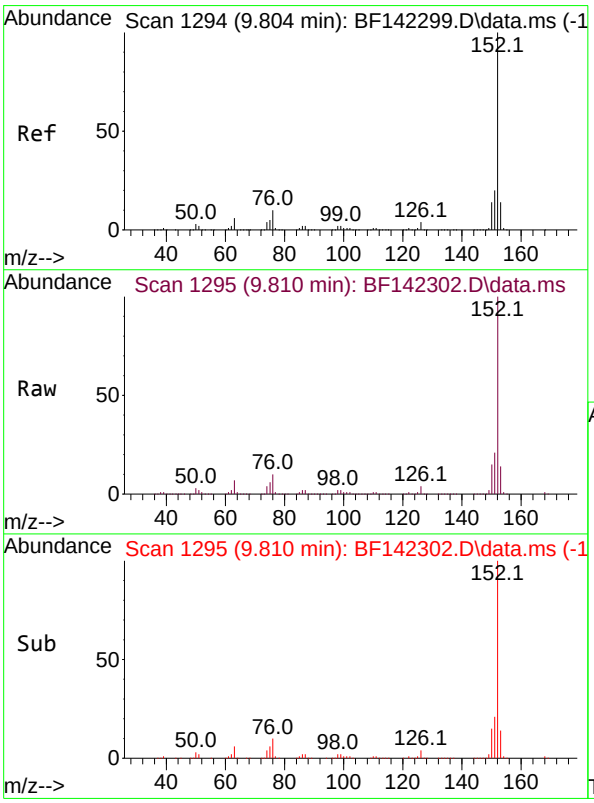
Ion	Ratio	Lower	Upper
65	100		
92	66.7	52.3	78.5
138	109.4	85.6	128.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

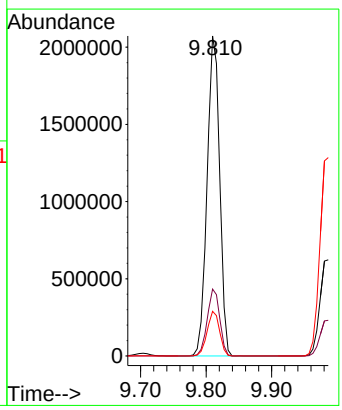


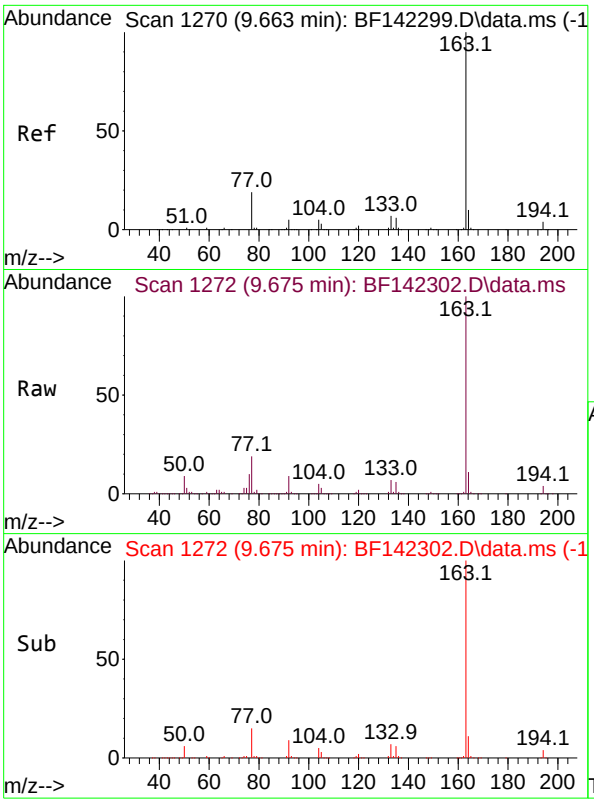


#49
Acenaphthylene
Concen: 69.830 ng
RT: 9.810 min Scan# 1295
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:152 Resp: 2763028

Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.0	24.0
153	14.0	10.8	16.2

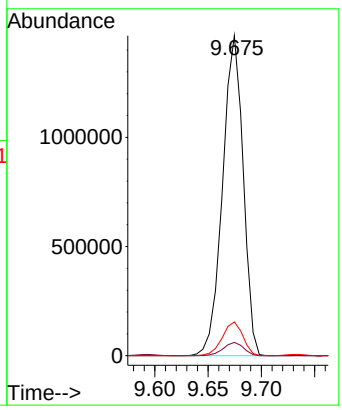




#50
Dimethylphthalate
Concen: 73.901 ng
RT: 9.675 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:163 Resp: 196843

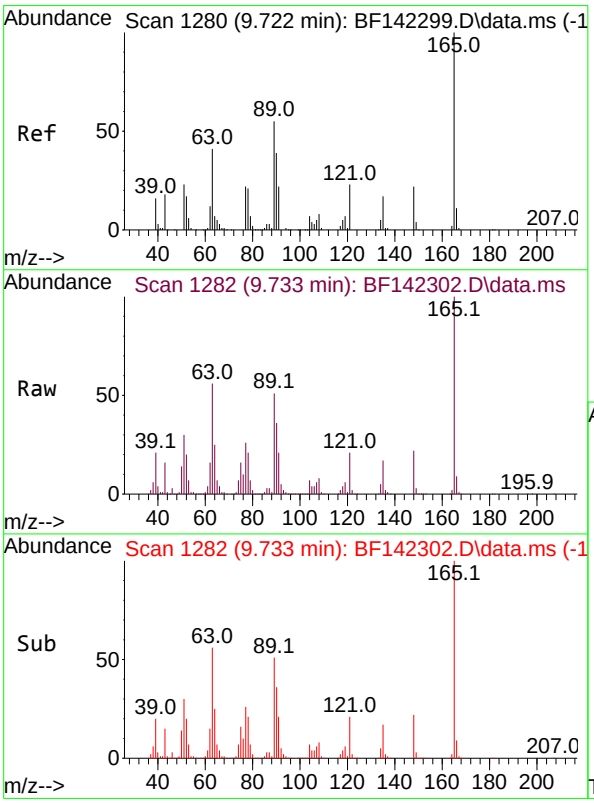
Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.2	4.8
164	10.6	8.3	12.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

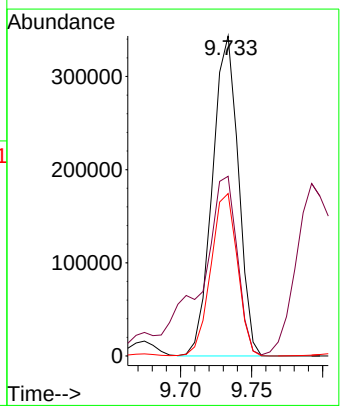
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

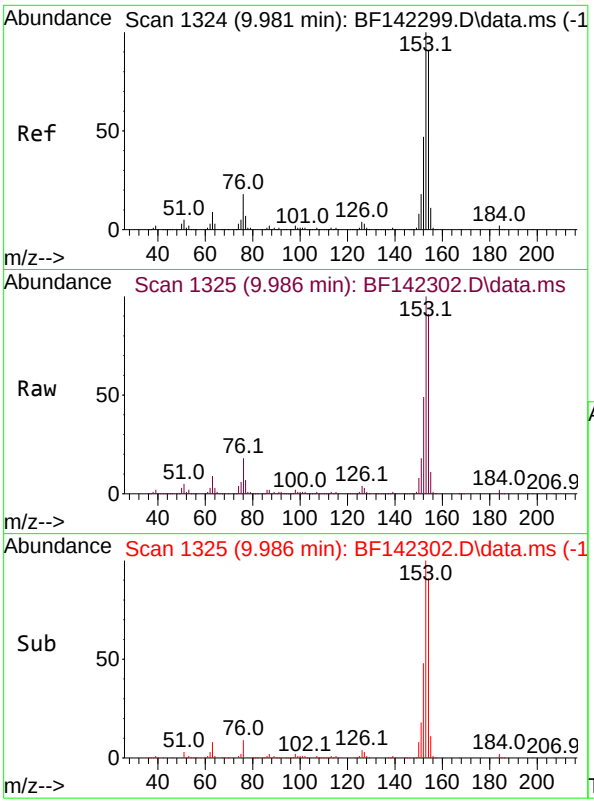


#51
2,6-Dinitrotoluene
Concen: 87.669 ng
RT: 9.733 min Scan# 1282
Delta R.T. 0.012 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:165 Resp: 437098

Ion	Ratio	Lower	Upper
165	100		
63	56.2	49.5	74.3
89	50.7	44.6	66.8

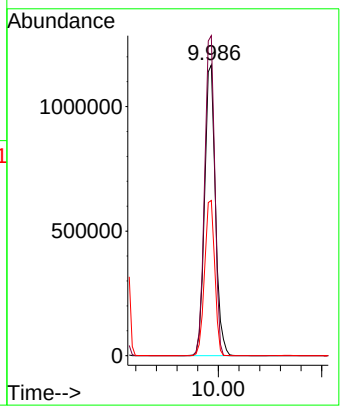




#52
Acenaphthene
Concen: 71.203 ng
RT: 9.986 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:154 Resp: 169402

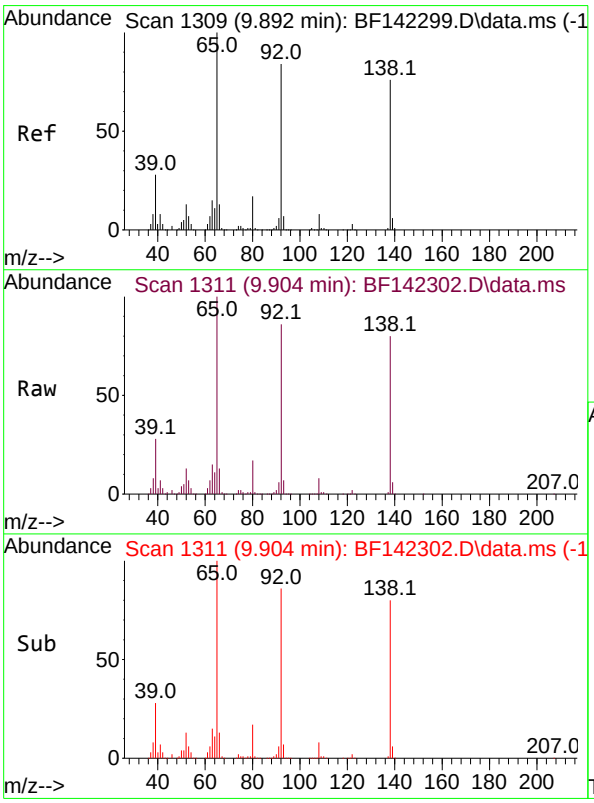
Ion	Ratio	Lower	Upper
154	100		
153	110.0	88.0	132.0
152	53.4	41.6	62.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

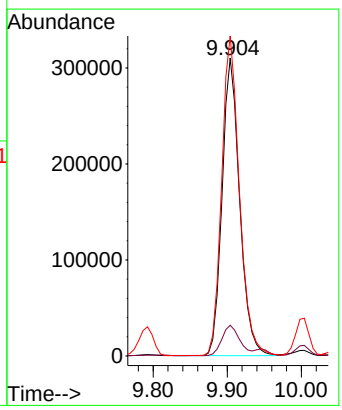
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

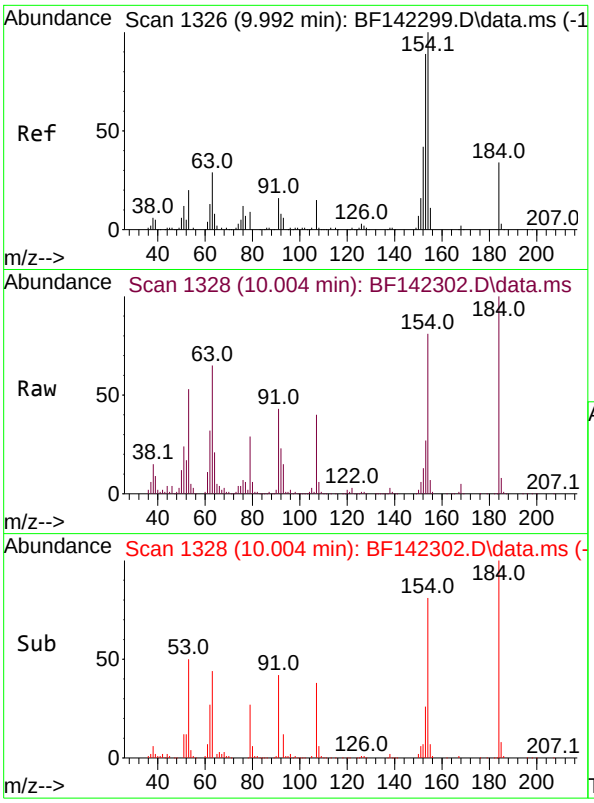


#53
3-Nitroaniline
Concen: 87.244 ng
RT: 9.904 min Scan# 1311
Delta R.T. 0.012 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:138 Resp: 510152

Ion	Ratio	Lower	Upper
138	100		
108	10.3	8.7	13.1
92	107.4	89.5	134.3

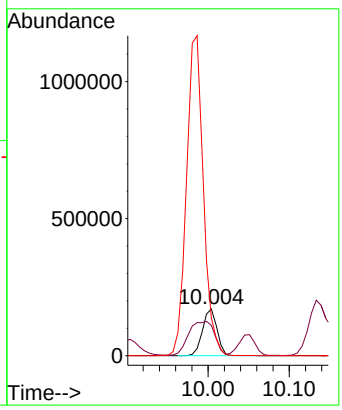




#54
2,4-Dinitrophenol
Concen: 80.686 ng
RT: 10.004 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:184 Resp: 21065

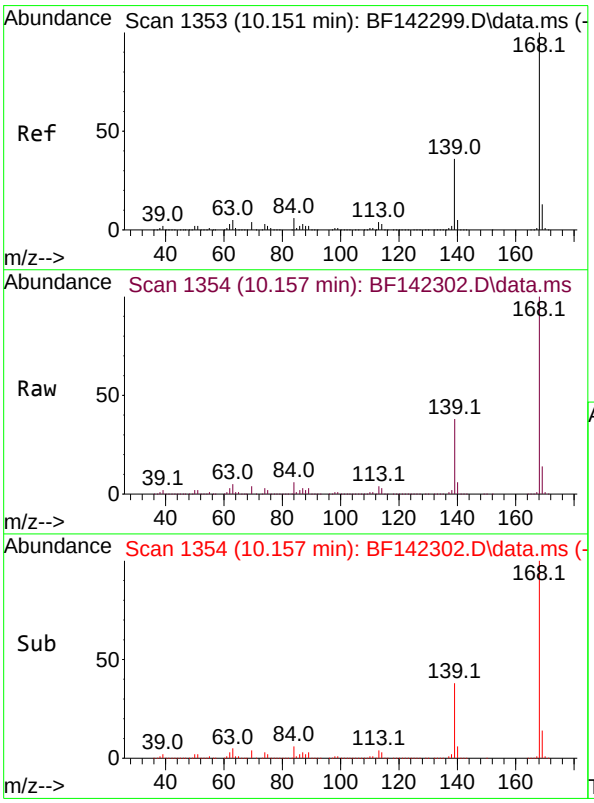
Ion	Ratio	Lower	Upper
184	100		
63	65.1	70.6	105.8#
154	81.2	257.2	385.8#



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

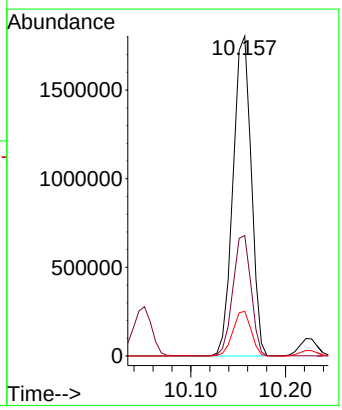
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

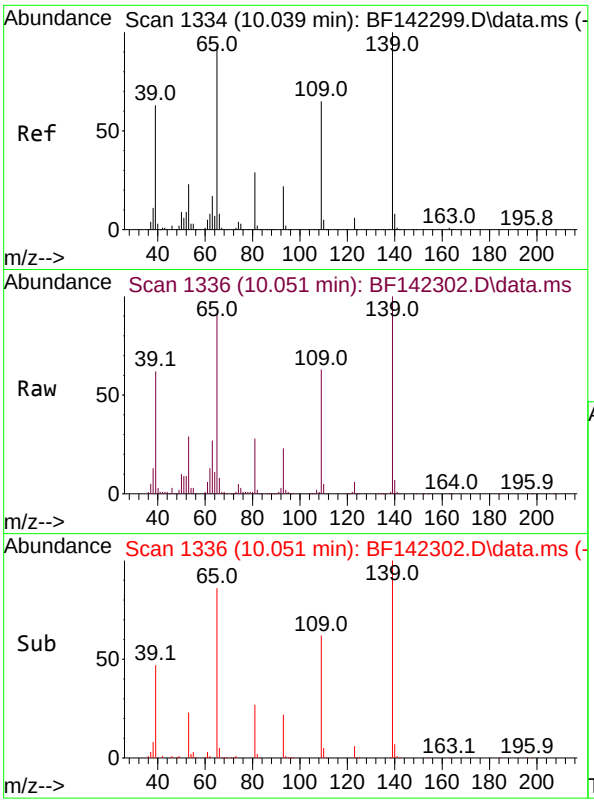


#55
Dibenzofuran
Concen: 68.642 ng
RT: 10.157 min Scan# 1354
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:168 Resp: 2410169

Ion	Ratio	Lower	Upper
168	100		
139	37.7	29.0	43.4
169	13.9	10.7	16.1

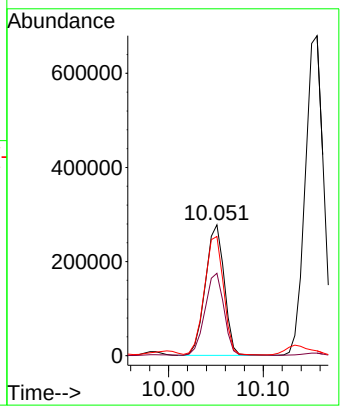




#56
4-Nitrophenol
Concen: 87.250 ng
RT: 10.051 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:139 Resp: 38397

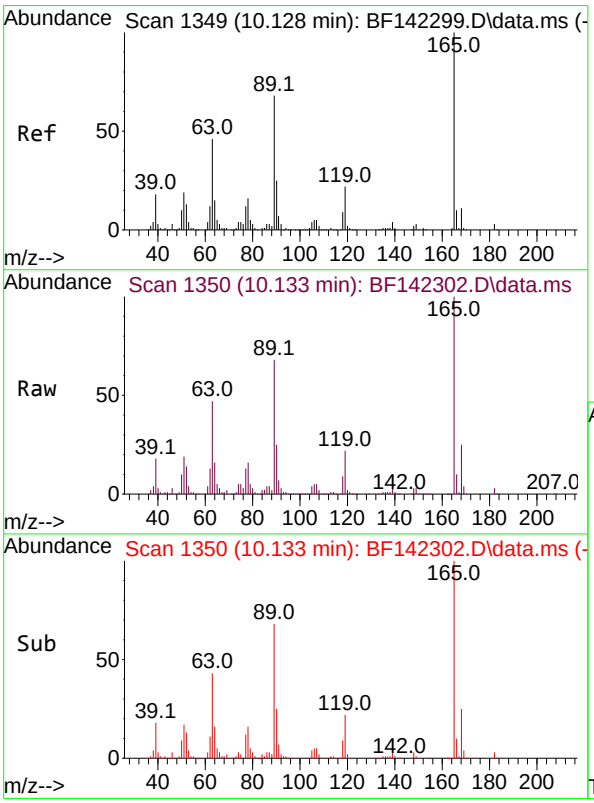
Ion	Ratio	Lower	Upper
139	100		
109	62.9	45.3	85.3
65	91.1	73.9	113.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

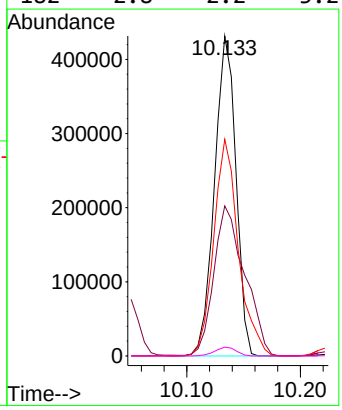
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

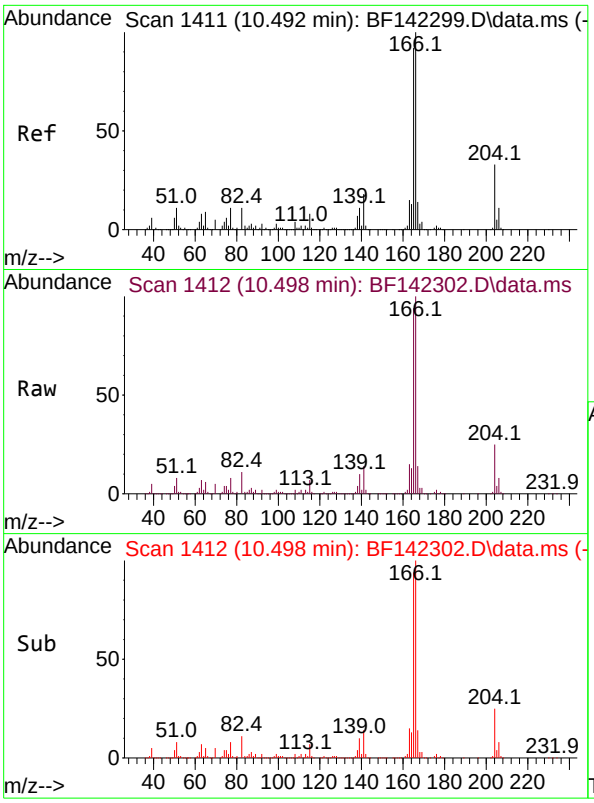


#57
2,4-Dinitrotoluene
Concen: 88.591 ng
RT: 10.133 min Scan# 1350
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:165 Resp: 566575

Ion	Ratio	Lower	Upper
165	100		
63	46.9	37.1	55.7
89	67.7	54.4	81.6
182	2.8	2.2	3.2

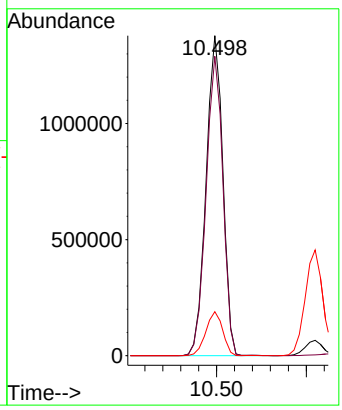




#58
Fluorene
Concen: 66.896 ng
RT: 10.498 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:166 Resp: 179254

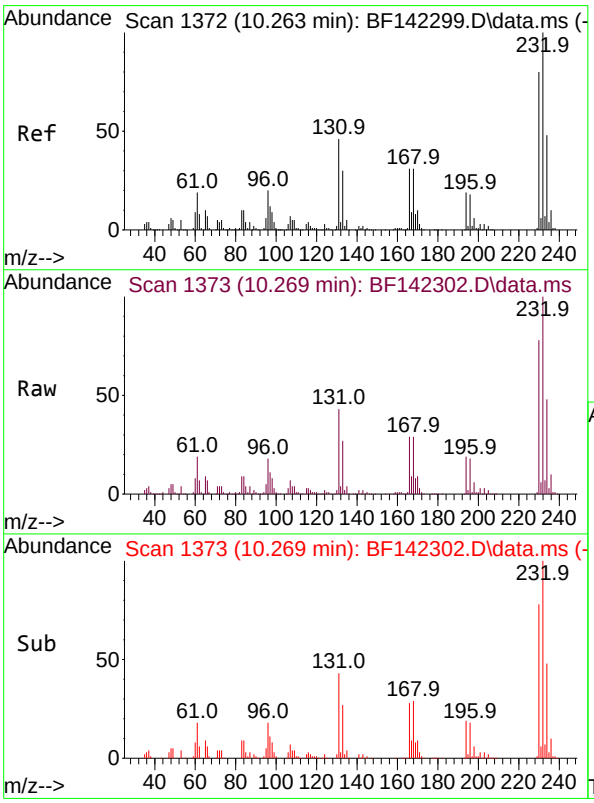
Ion	Ratio	Lower	Upper
166	100		
165	93.6	74.0	111.0
167	13.8	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

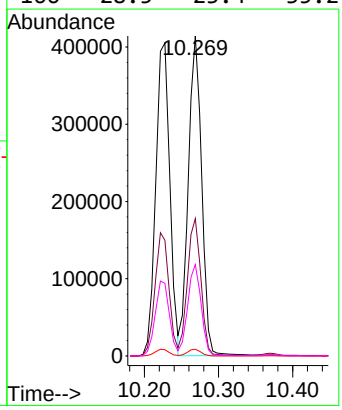
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

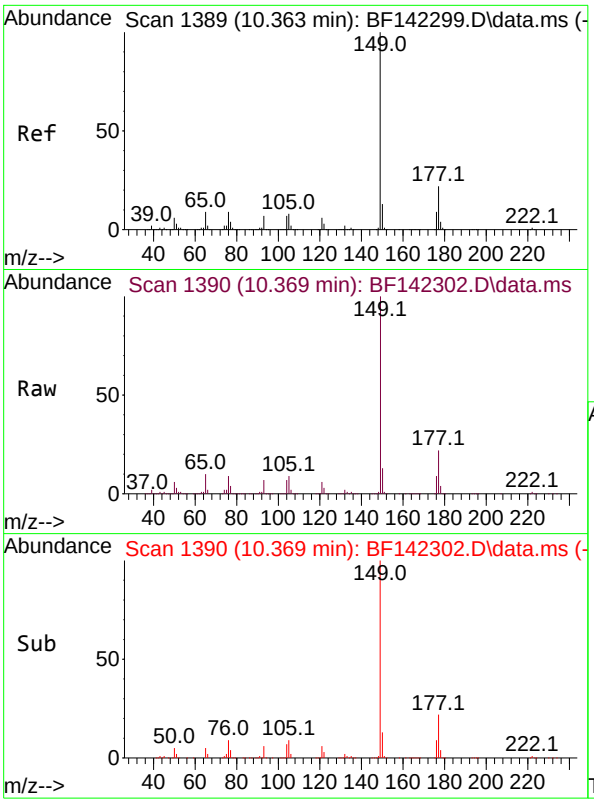


#59
2,3,4,6-Tetrachlorophenol
Concen: 81.113 ng
RT: 10.269 min Scan# 1373
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:232 Resp: 520638

Ion	Ratio	Lower	Upper
232	100		
131	43.0	36.0	54.0
130	2.1	1.8	2.6
166	28.5	23.4	35.2

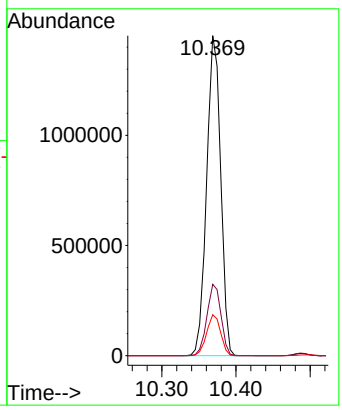




#60
Diethylphthalate
Concen: 71.766 ng
RT: 10.369 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:149 Resp: 190901

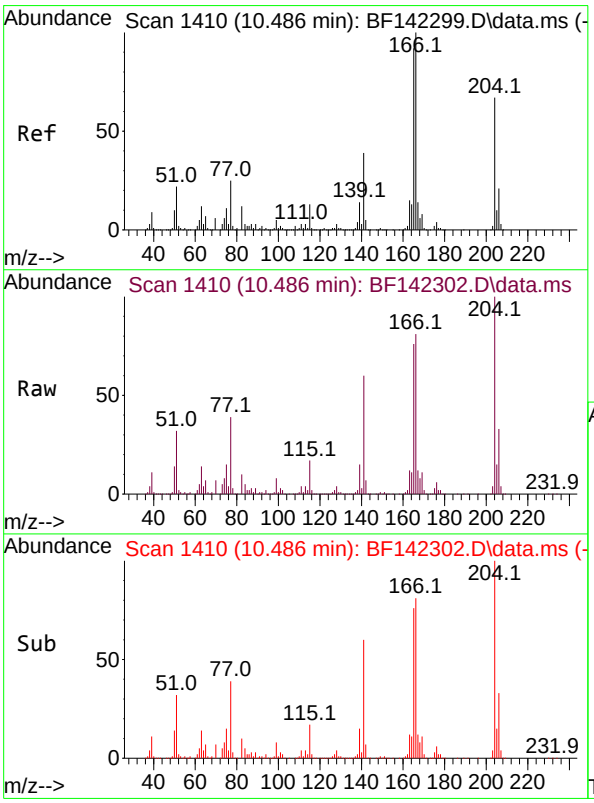
Ion	Ratio	Lower	Upper
149	100		
177	22.3	17.6	26.4
150	12.8	10.1	15.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

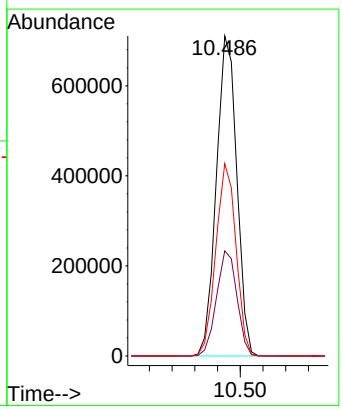
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

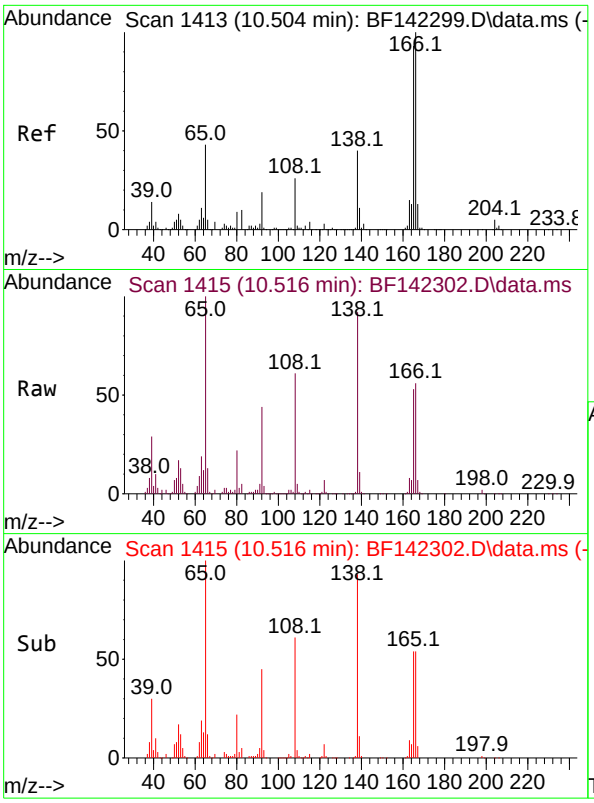


#61
4-Chlorophenyl-phenylether
Concen: 68.707 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.000 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:204 Resp: 888242

Ion	Ratio	Lower	Upper
204	100		
206	32.9	25.5	38.3
141	60.1	46.4	69.6





#62
4-Nitroaniline
Concen: 69.894 ng
RT: 10.516 min Scan# 14
Delta R.T. 0.012 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

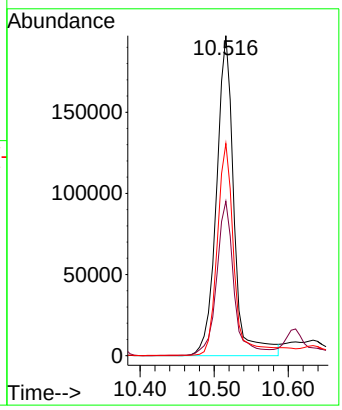
Tgt Ion:138 Resp: 32392

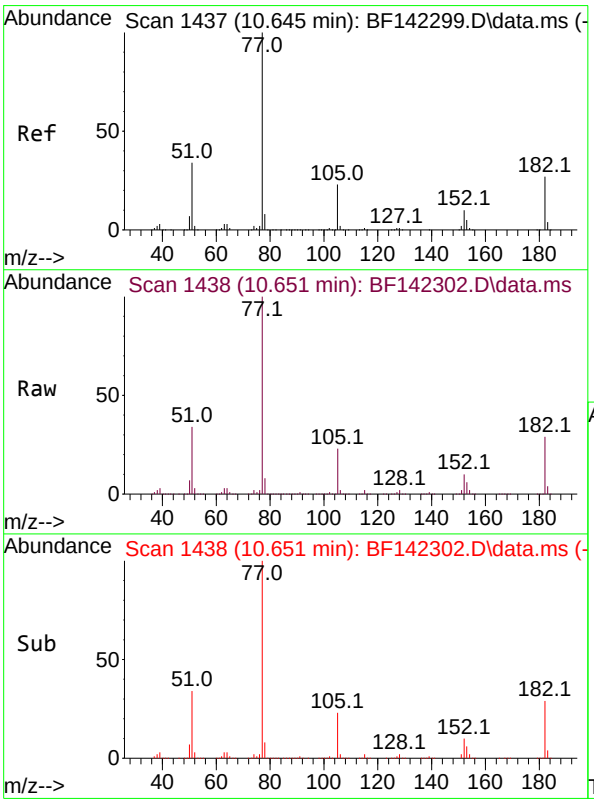
Ion	Ratio	Lower	Upper
138	100		
92	48.3	27.3	67.3
108	66.3	45.1	85.1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

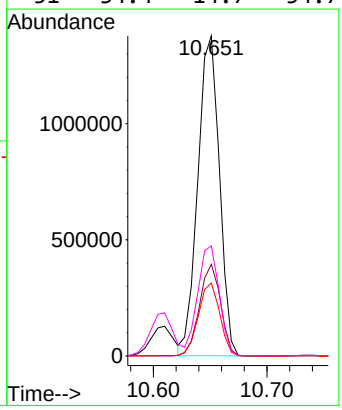


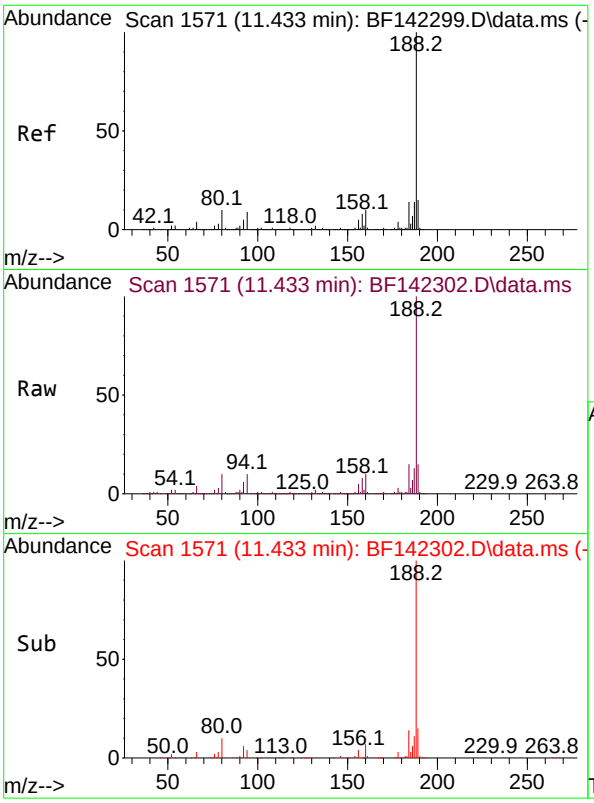


#63
Azobenzene
Concen: 71.660 ng
RT: 10.651 min Scan# 1438
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion: 77 Resp: 1821504

Ion	Ratio	Lower	Upper
77	100		
182	28.6	6.9	46.9
105	22.8	2.7	42.7
51	34.4	14.7	54.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

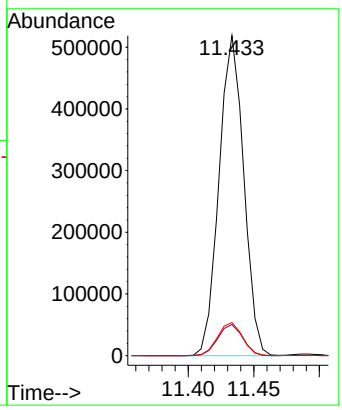
Tgt Ion:188 Resp: 67924

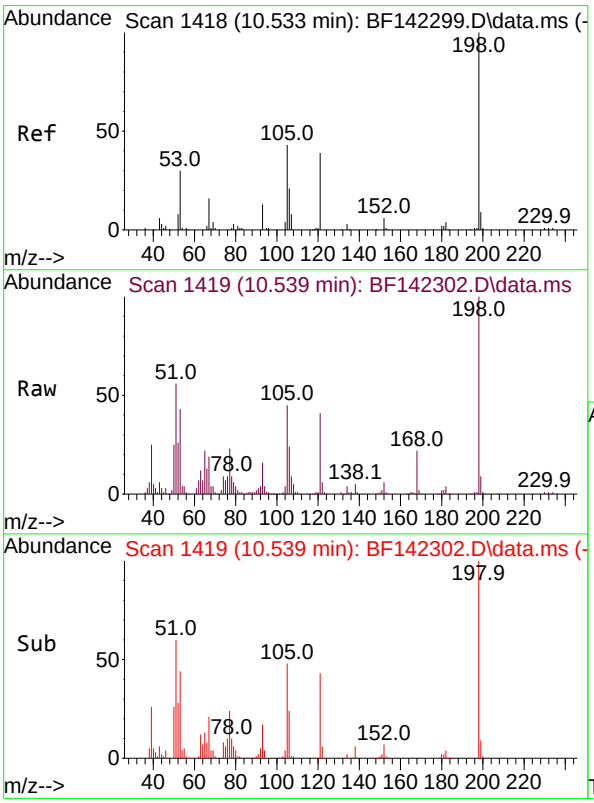
Ion	Ratio	Lower	Upper
188	100		
94	9.7	7.5	11.3
80	10.3	7.9	11.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

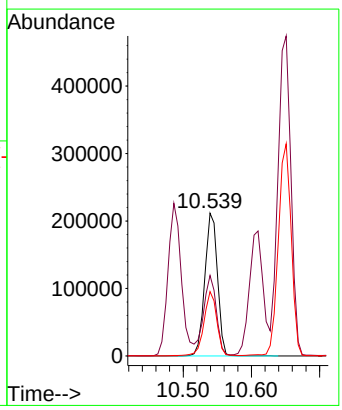


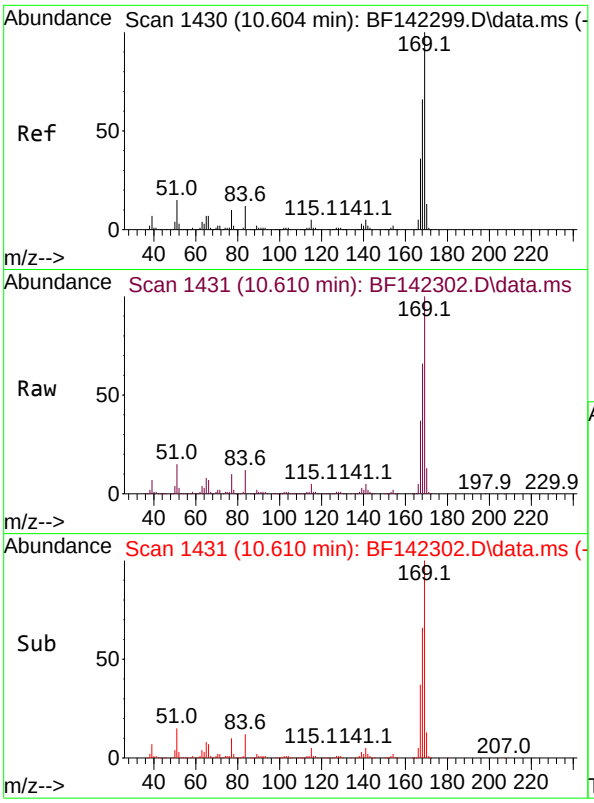


#65
4,6-Dinitro-2-methylphenol
Concen: 80.746 ng
RT: 10.539 min Scan# 1419
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:198 Resp: 273917

Ion	Ratio	Lower	Upper
198	100		
51	56.4	32.9	72.9
105	45.1	23.7	63.7

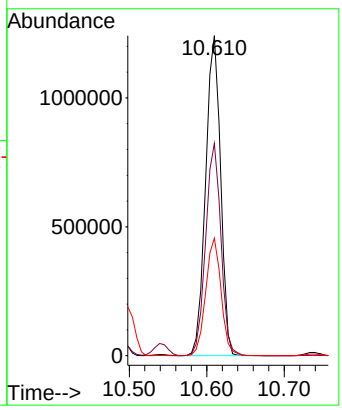




#66
n-Nitrosodiphenylamine
Concen: 73.372 ng
RT: 10.610 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:169 Resp: 165839

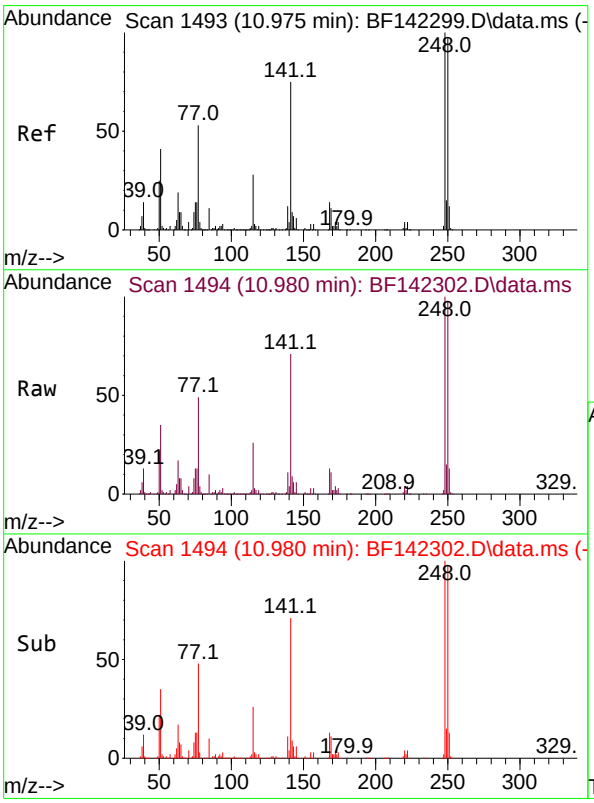
Ion	Ratio	Lower	Upper
169	100		
168	66.3	53.2	79.8
167	36.7	28.9	43.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

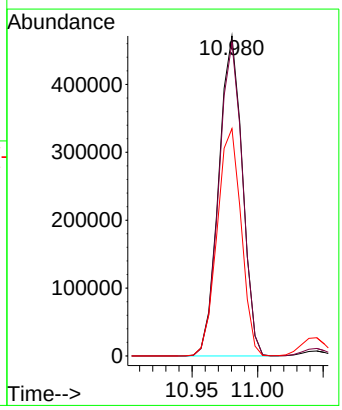
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

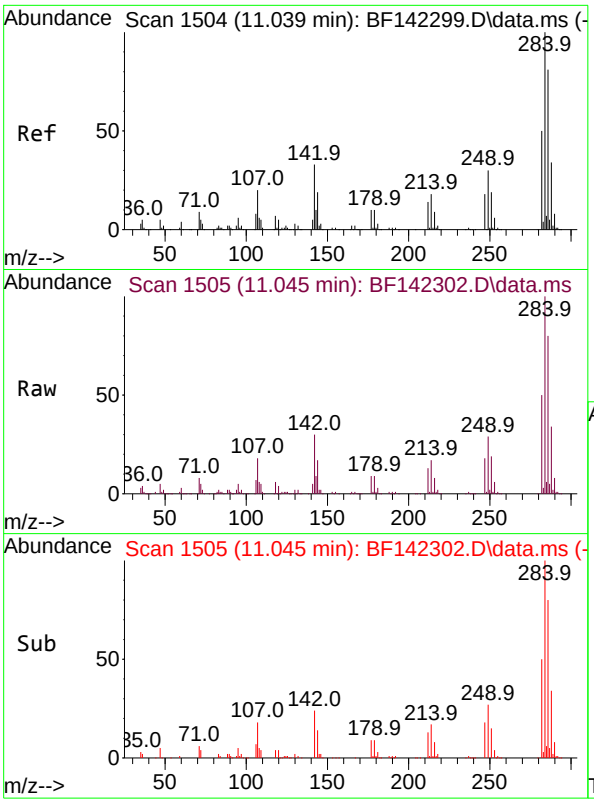


#67
4-Bromophenyl-phenylether
Concen: 76.716 ng
RT: 10.980 min Scan# 1494
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:248 Resp: 590568

Ion	Ratio	Lower	Upper
248	100		
250	97.9	77.9	116.9
141	71.0	59.8	89.8

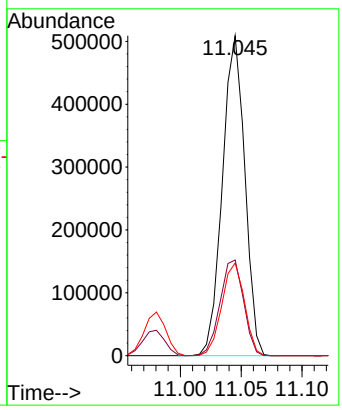




#68
Hexachlorobenzene
Concen: 76.857 ng
RT: 11.045 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:284 Resp: 65080

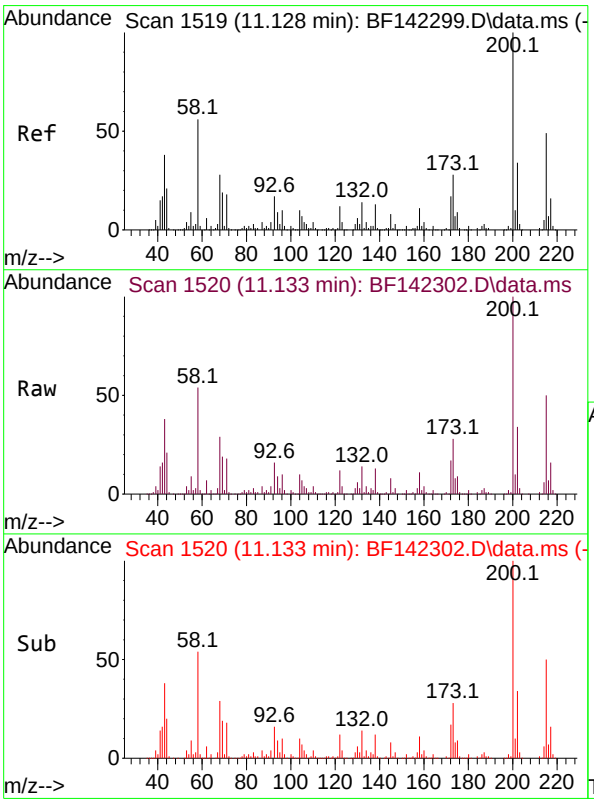
Ion	Ratio	Lower	Upper
284	100		
142	29.9	26.6	39.8
249	29.0	24.1	36.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

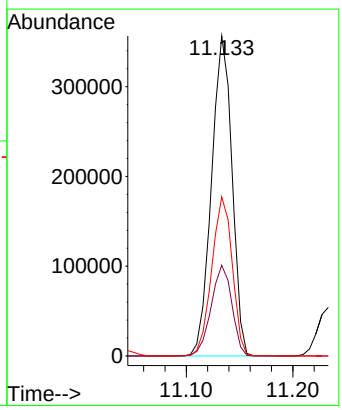
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

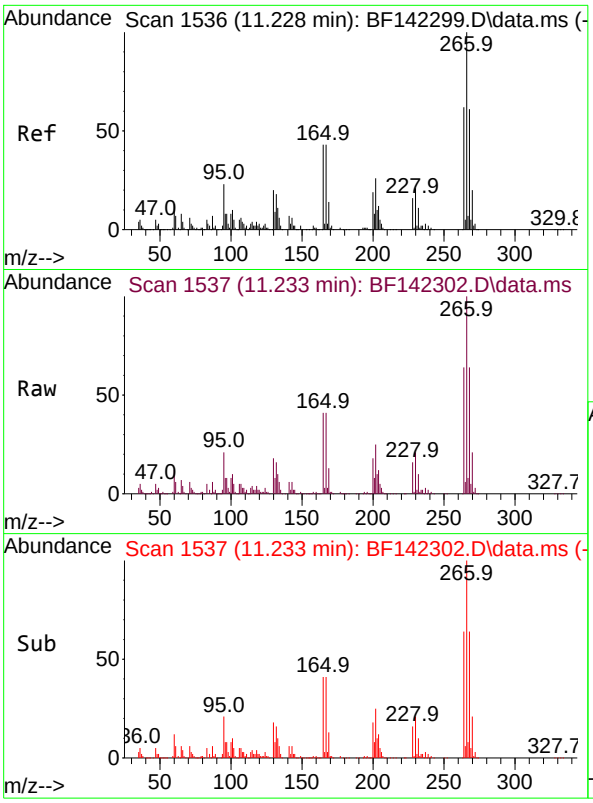


#69
Atrazine
Concen: 79.910 ng
RT: 11.133 min Scan# 1520
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:200 Resp: 476112

Ion	Ratio	Lower	Upper
200	100		
173	28.4	8.1	48.1
215	49.7	28.8	68.8

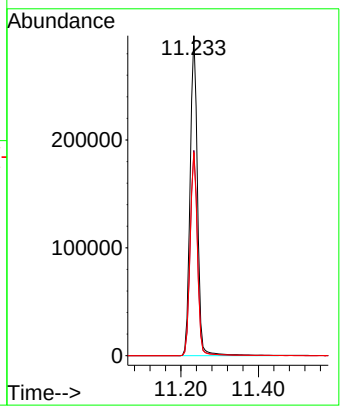




#70
Pentachlorophenol
Concen: 87.666 ng
RT: 11.233 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:266 Resp: 39051

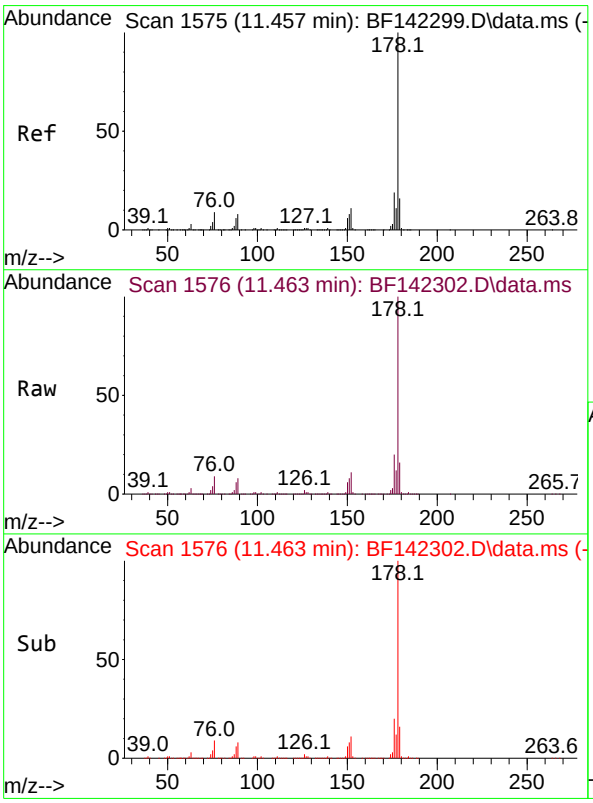
Ion	Ratio	Lower	Upper
266	100		
268	64.2	48.7	73.1
264	63.5	49.8	74.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

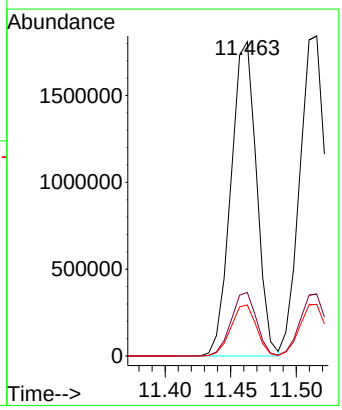
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

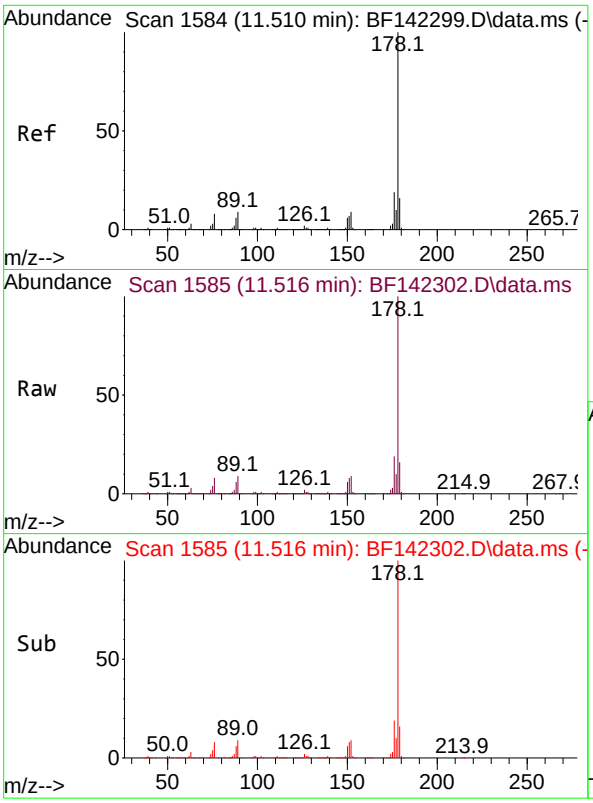


#71
Phenanthrene
Concen: 69.101 ng
RT: 11.463 min Scan# 1576
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:178 Resp: 2460275

Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.5	23.3
179	16.2	12.6	18.8

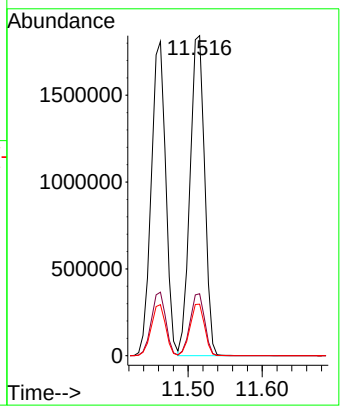




#72
Anthracene
Concen: 68.834 ng
RT: 11.516 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:178 Resp: 251816

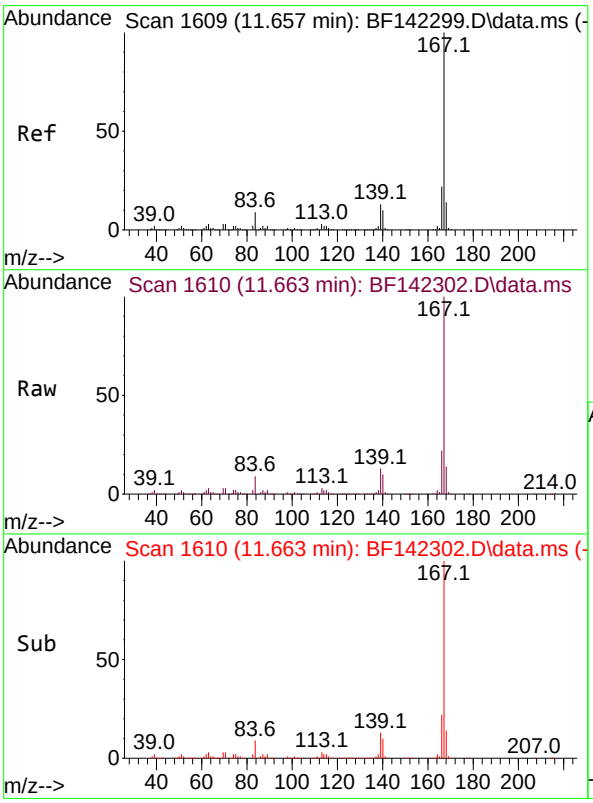
Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	16.1	12.6	18.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

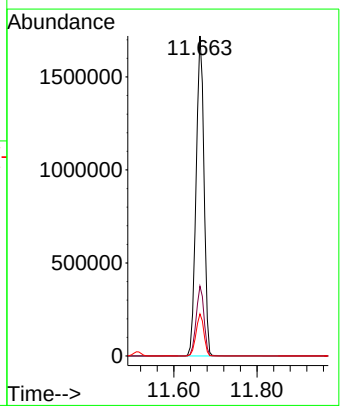
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

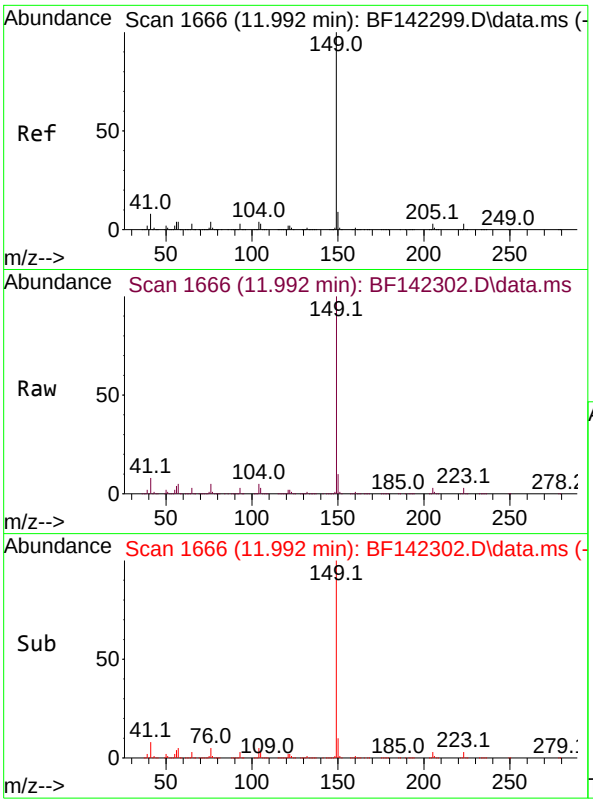


#73
Carbazole
Concen: 69.290 ng
RT: 11.663 min Scan# 1610
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:167 Resp: 2274167

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.2	25.8
139	13.2	10.3	15.5

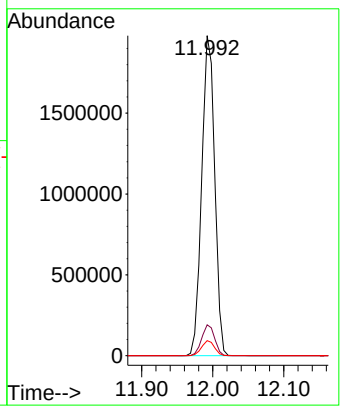




#74
Di-n-butylphthalate
Concen: 73.060 ng
RT: 11.992 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:149 Resp: 252148

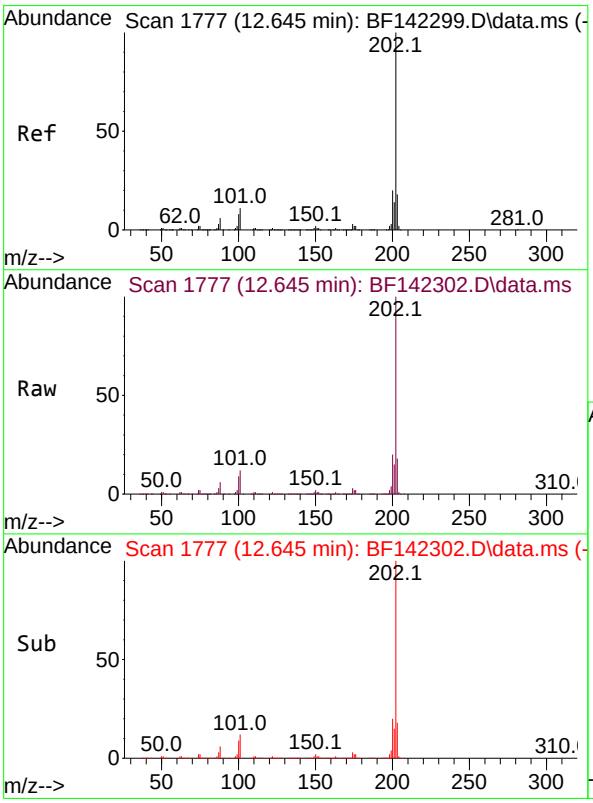
Ion	Ratio	Lower	Upper
149	100		
150	9.7	7.5	11.3
104	4.7	3.6	5.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

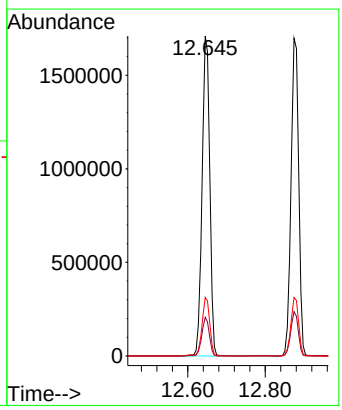
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

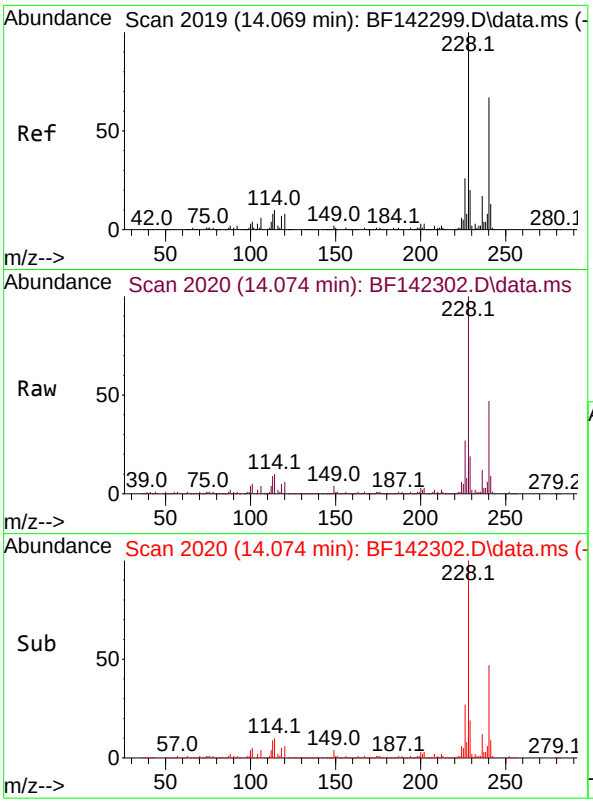


#75
Fluoranthene
Concen: 65.892 ng
RT: 12.645 min Scan# 1777
Delta R.T. -0.000 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:202 Resp: 2345160

Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	31.4
203	18.3	0.0	37.9

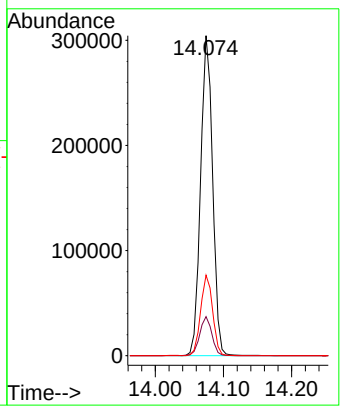




#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:240 Resp: 37392

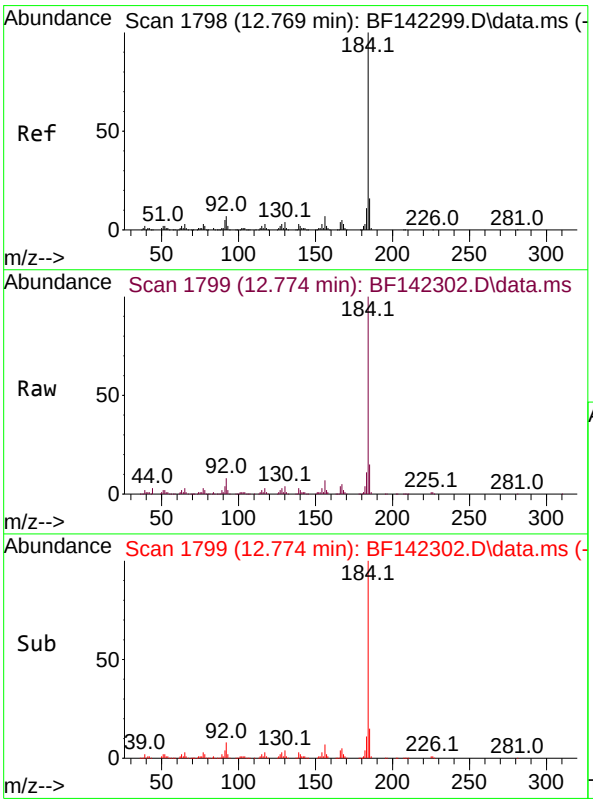
Ion	Ratio	Lower	Upper
240	100		
120	12.2	9.7	14.5
236	25.2	20.0	30.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

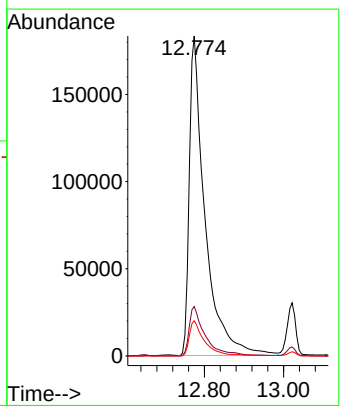
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

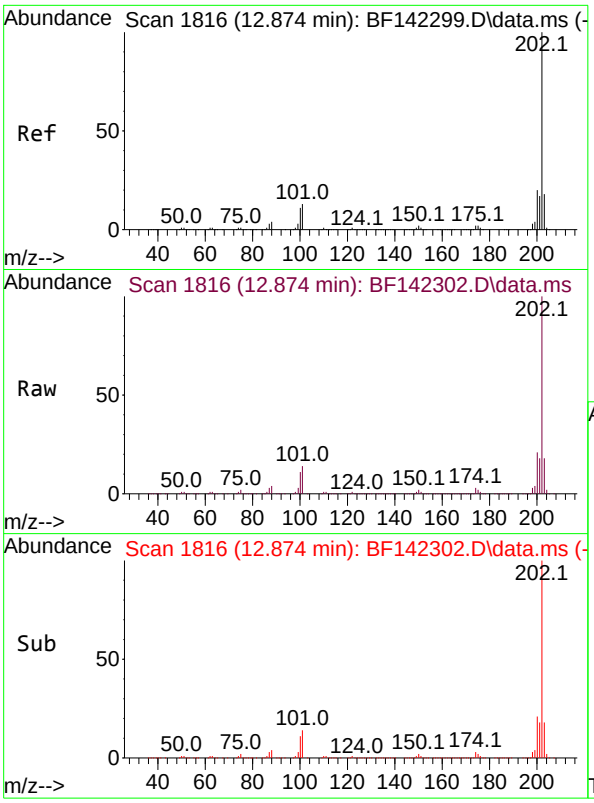


#77
Benzidine
Concen: 74.263 ng
RT: 12.774 min Scan# 1799
Delta R.T. 0.005 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:184 Resp: 504643

Ion	Ratio	Lower	Upper
184	100		
185	15.5	12.6	18.8
183	11.0	8.6	12.8

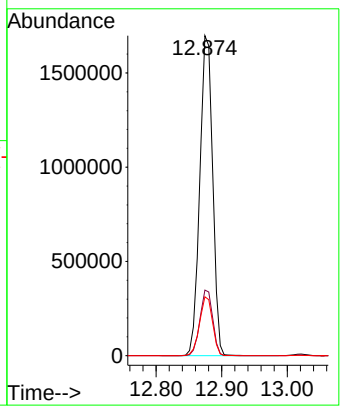




#78
Pyrene
Concen: 69.874 ng
RT: 12.874 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:202 Resp: 232563

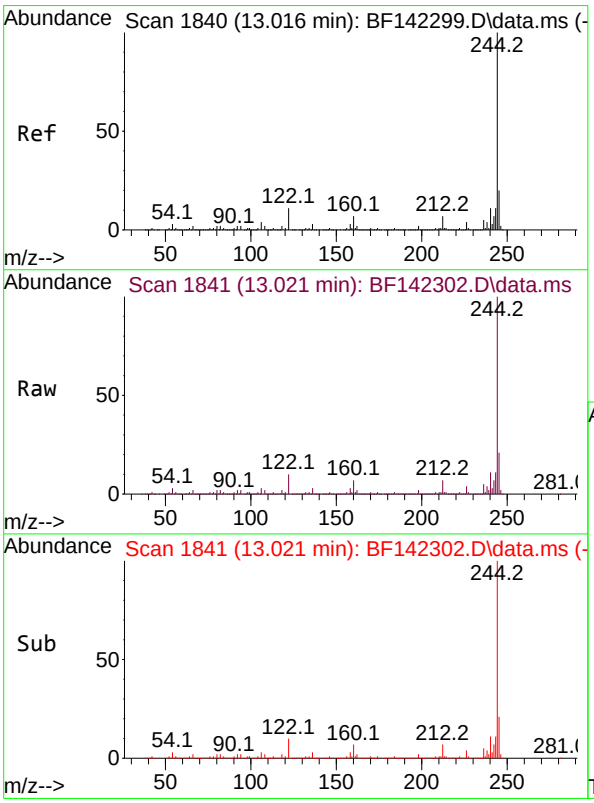
Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.2	24.4
203	18.4	14.3	21.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

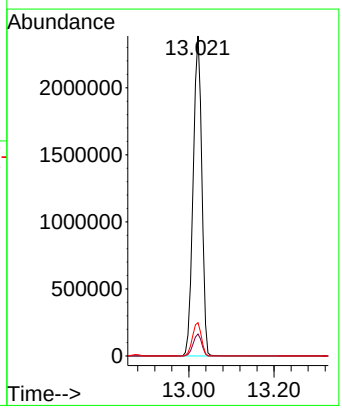
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

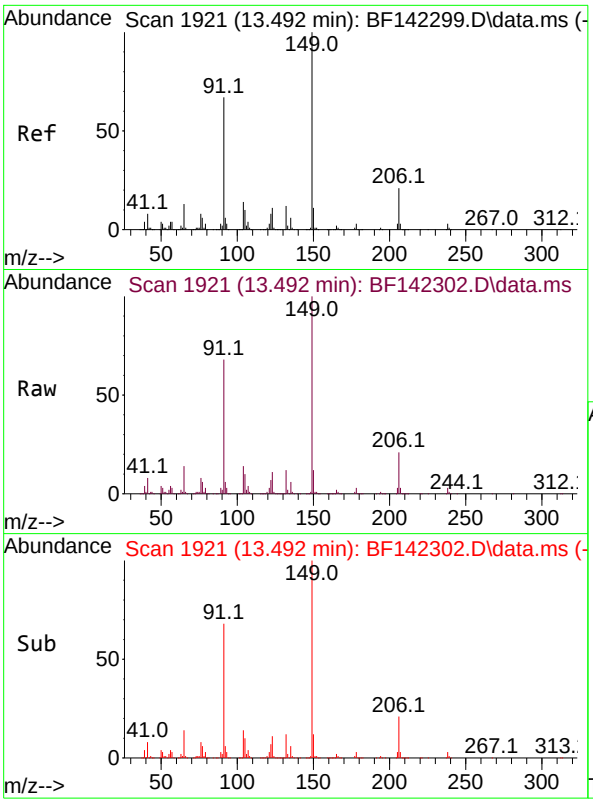


#79
Terphenyl-d14
Concen: 133.004 ng
RT: 13.021 min Scan# 1841
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:244 Resp: 3360156

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.2
122	10.4	9.0	13.4

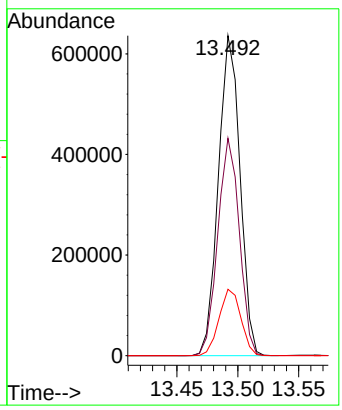




#80
Butylbenzylphthalate
Concen: 78.621 ng
RT: 13.492 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:149 Resp: 78821

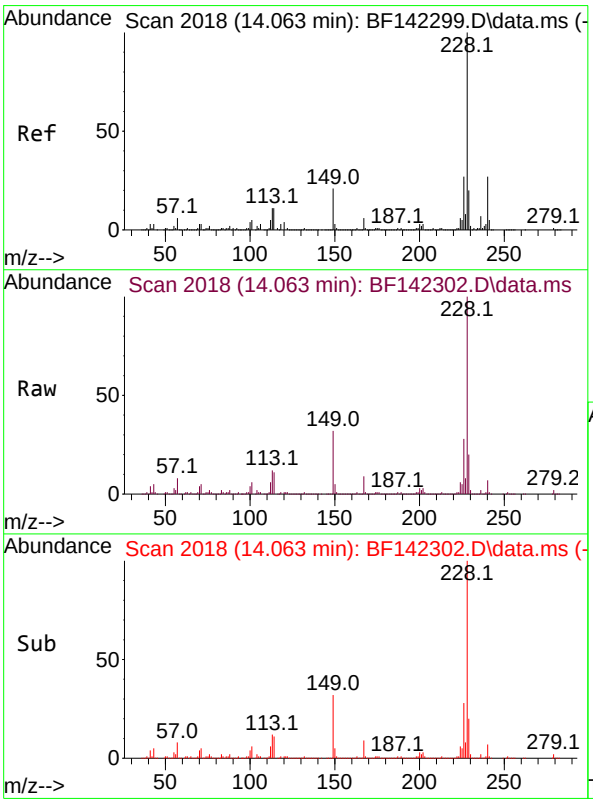
Ion	Ratio	Lower	Upper
149	100		
91	67.9	53.8	80.6
206	20.8	16.6	24.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

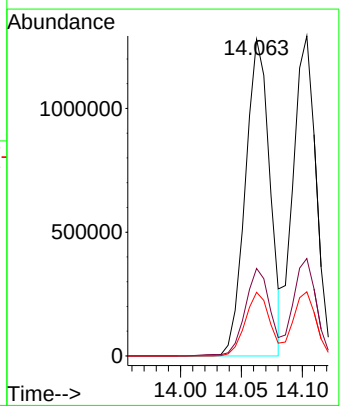
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

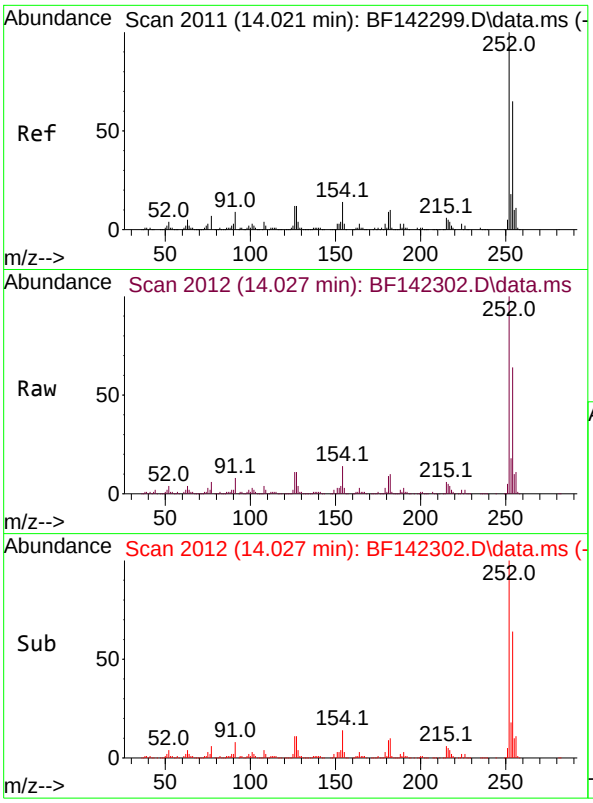


#81
Benzo(a)anthracene
Concen: 73.621 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.000 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:228 Resp: 1782801

Ion	Ratio	Lower	Upper
228	100		
226	27.7	21.5	32.3
229	20.1	15.9	23.9

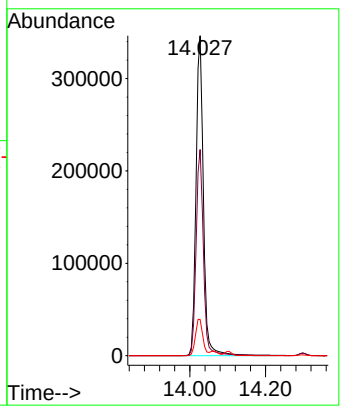




#82
3,3'-Dichlorobenzidine
Concen: 84.217 ng
RT: 14.027 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:252 Resp: 47426

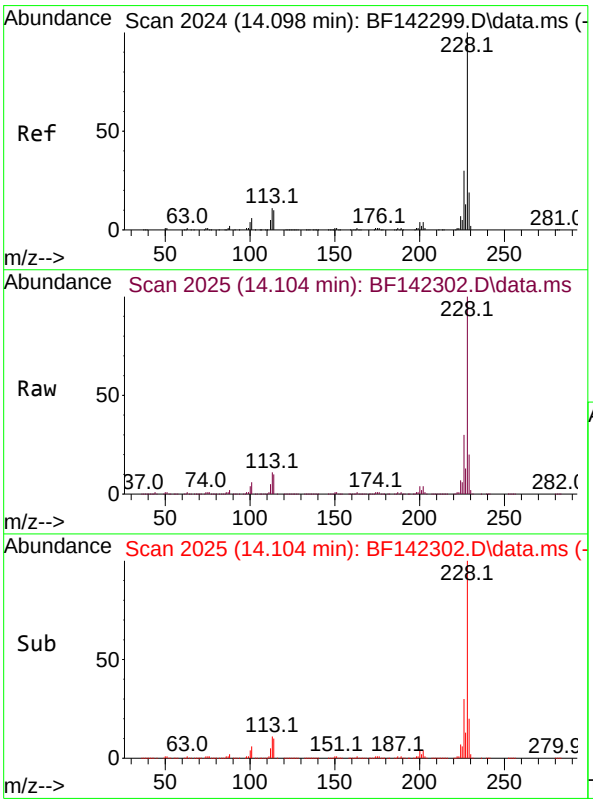
Ion	Ratio	Lower	Upper
252	100		
254	64.5	52.0	78.0
126	11.3	9.7	14.5



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

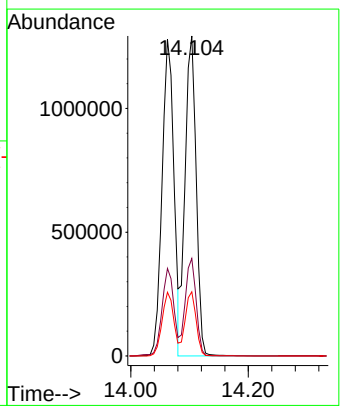
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

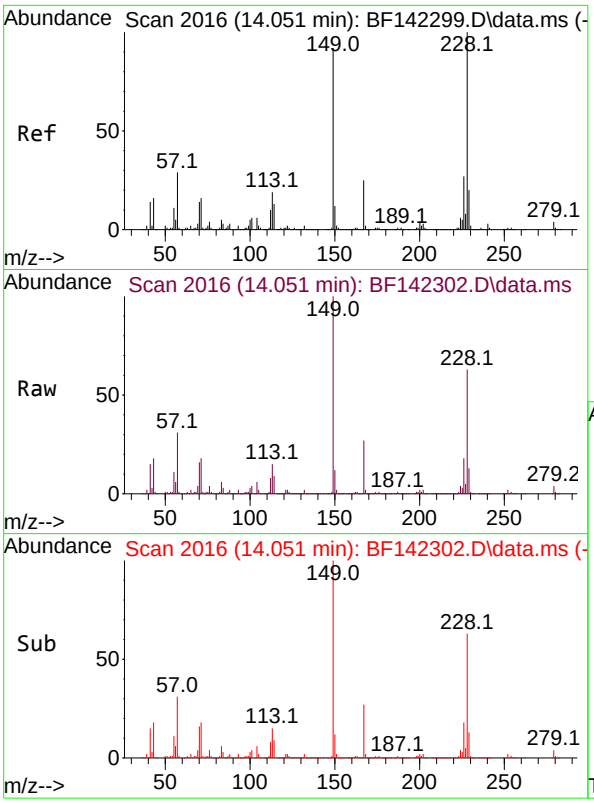


#83
Chrysene
Concen: 74.873 ng
RT: 14.104 min Scan# 2025
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:228 Resp: 1687889

Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.9	35.9
229	20.0	15.4	23.2





#84
Bis(2-ethylhexyl)phthalate
Concen: 79.404 ng
RT: 14.051 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

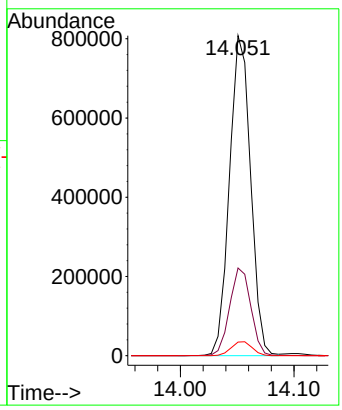
Tgt Ion:149 Resp: 104284

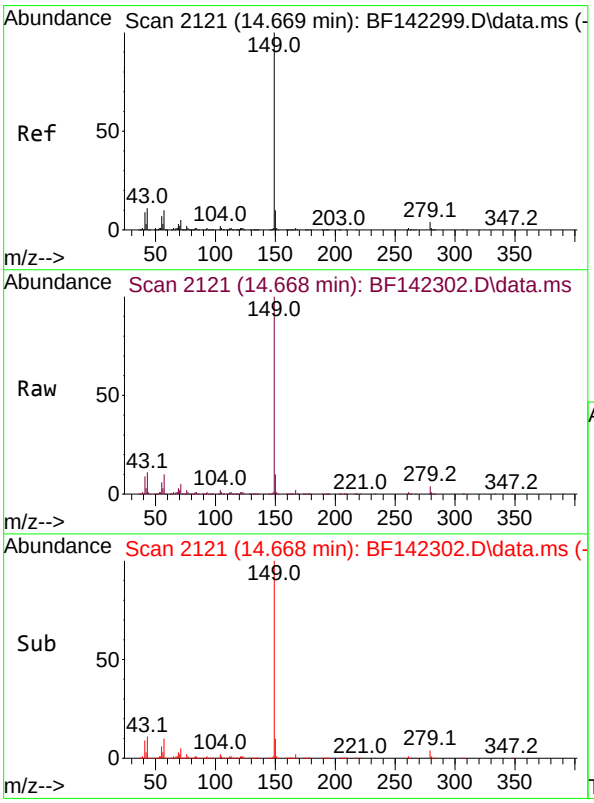
Ion	Ratio	Lower	Upper
149	100		
167	27.4	22.0	33.0
279	4.2	3.0	4.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

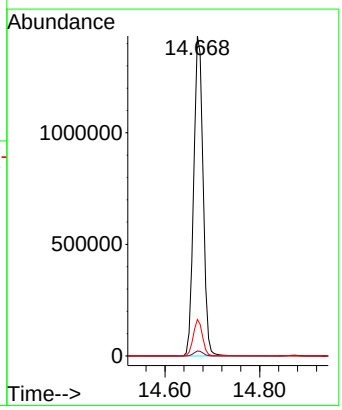


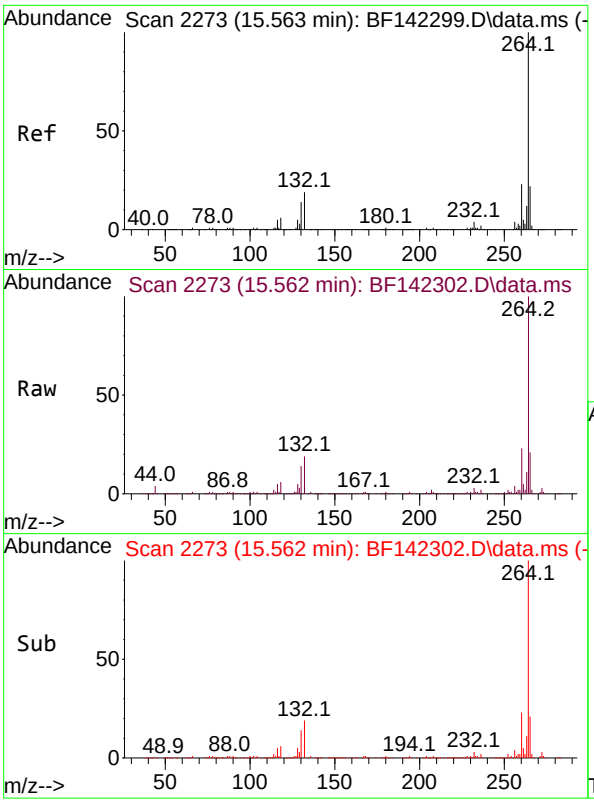


#85
Di-n-octyl phthalate
Concen: 80.100 ng
RT: 14.668 min Scan# 2121
Delta R.T. -0.001 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:149 Resp: 1969676

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	11.3	9.2	13.8

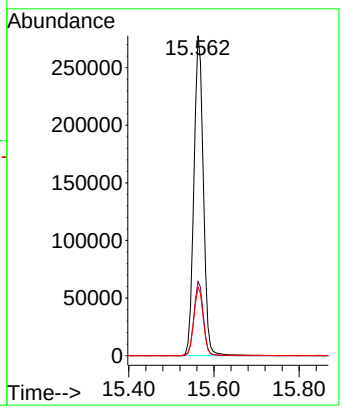




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:264 Resp: 42661

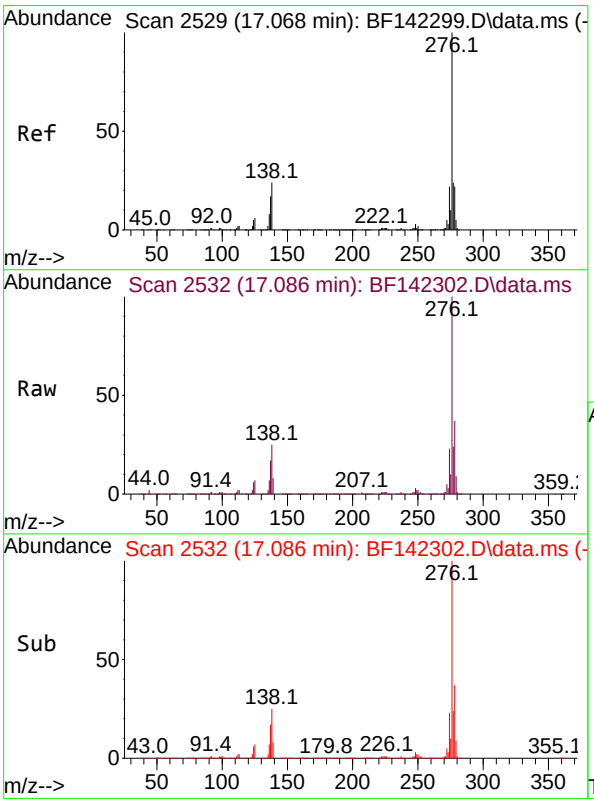
Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	27.8
265	21.4	17.5	26.3



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

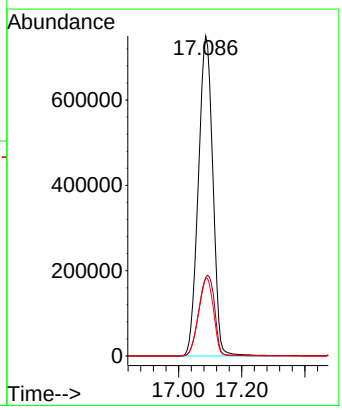
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

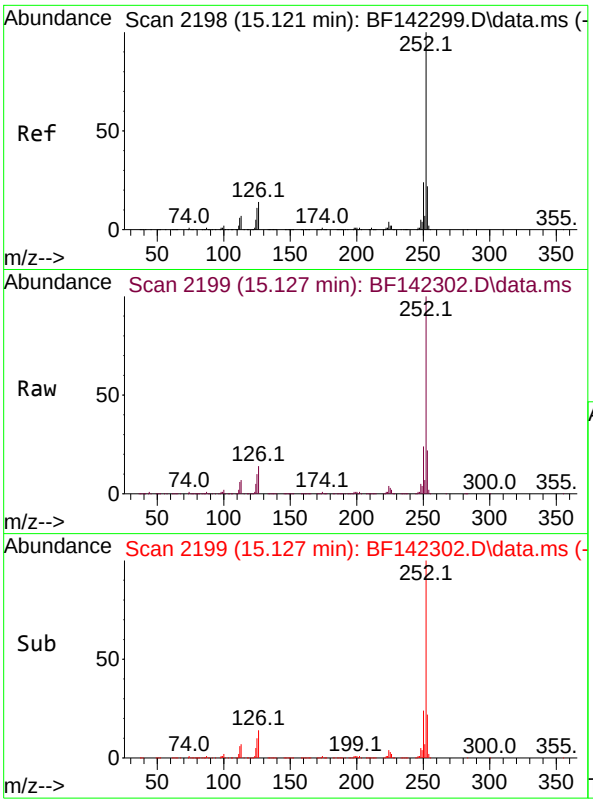


#87
Indeno(1,2,3-cd)pyrene
Concen: 80.614 ng
RT: 17.086 min Scan# 2532
Delta R.T. 0.017 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:276 Resp: 2392344

Ion	Ratio	Lower	Upper
276	100		
138	27.3	22.0	33.0
277	25.3	20.1	30.1

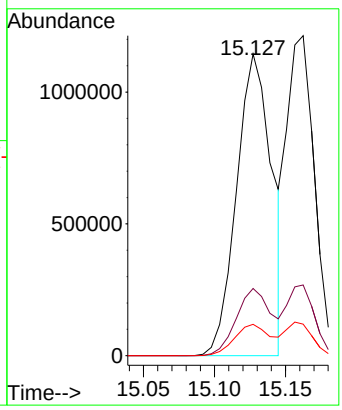




#88
Benzo(b)fluoranthene
Concen: 76.350 ng
RT: 15.127 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:252 Resp: 197274

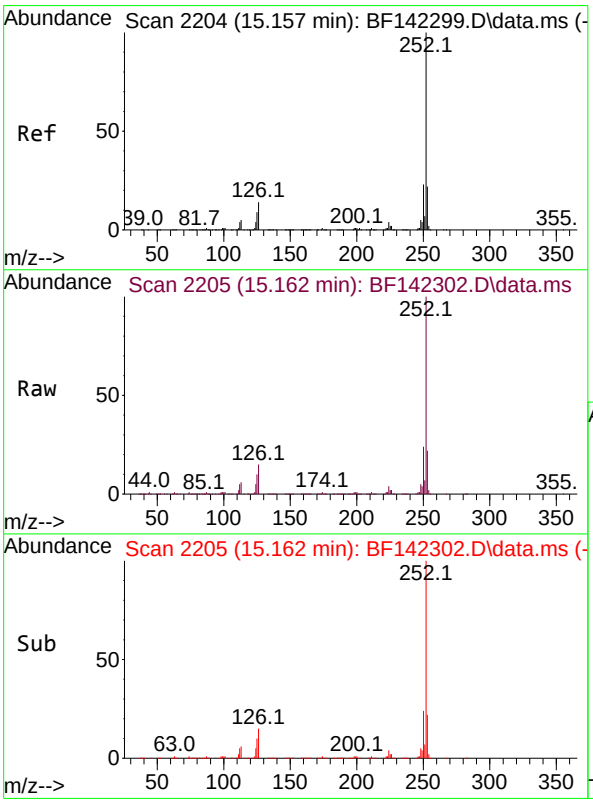
Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	10.4	8.7	13.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

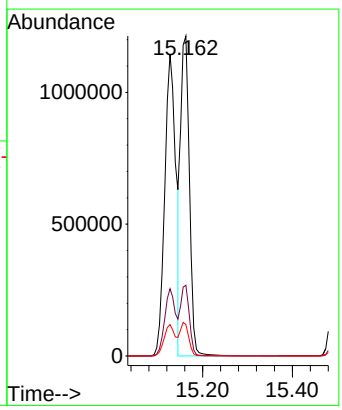
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

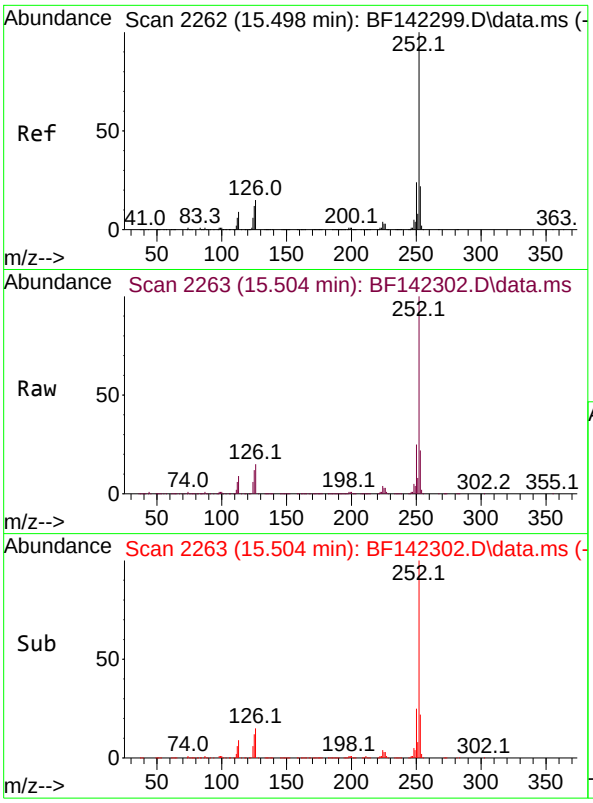


#89
Benzo(k)fluoranthene
Concen: 69.919 ng
RT: 15.162 min Scan# 2205
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:252 Resp: 1653244

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	9.9	8.1	12.1

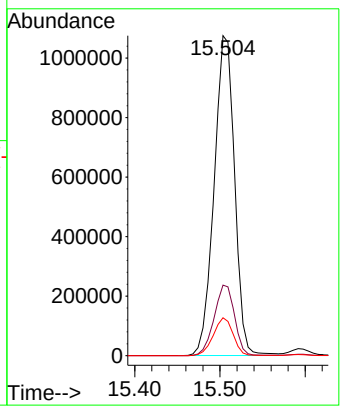




#90
Benzo(a)pyrene
Concen: 77.653 ng
RT: 15.504 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:252 Resp: 179797

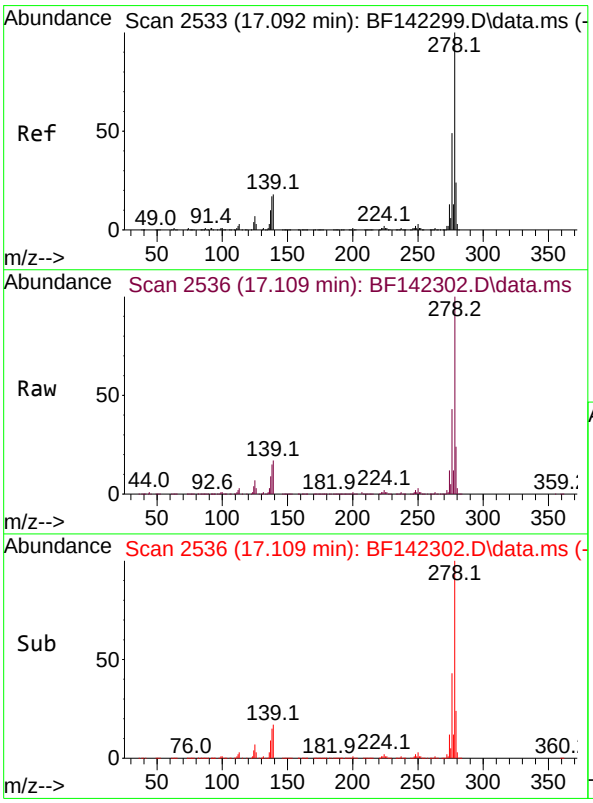
Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.6
125	11.9	9.4	14.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

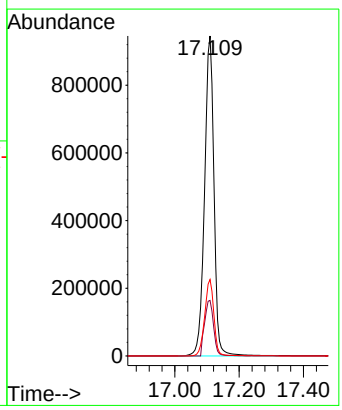
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

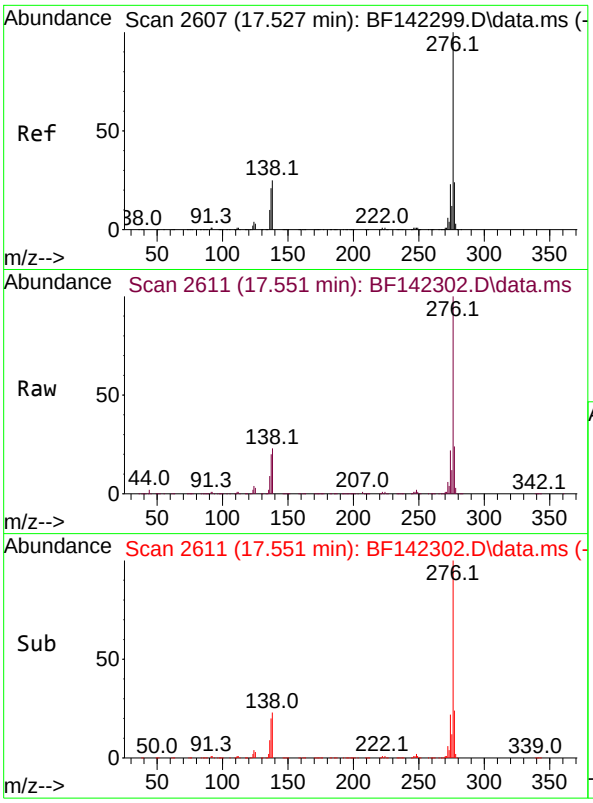


#91
Dibenzo(a,h)anthracene
Concen: 78.562 ng
RT: 17.109 min Scan# 2536
Delta R.T. 0.017 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:278 Resp: 1926135

Ion	Ratio	Lower	Upper
278	100		
139	17.4	14.5	21.7
279	23.9	18.9	28.3

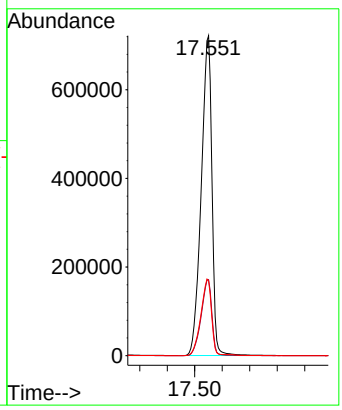




#92
Benzo(g,h,i)perylene
Concen: 80.182 ng
RT: 17.551 min Scan# 2
Delta R.T. 0.023 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:276 Resp: 195112

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.0	28.6
138	23.4	19.8	29.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142303.D
Acq On : 05 May 2025 18:13
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

Quant Time: May 05 18:41:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	230180	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	893807	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	478877	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	810843	20.000	ng	0.00
76) Chrysene-d12	14.074	240	446151	20.000	ng	0.00
86) Perylene-d12	15.563	264	447218	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1038606	77.026	ng	0.00
7) Phenol-d6	6.522	99	1267516	76.429	ng	0.00
23) Nitrobenzene-d5	7.469	82	1224734	83.567	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	384712	83.209	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	2396964	71.371	ng	0.00
79) Terphenyl-d14	13.016	244	2301923	76.366	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.687	88	231020	38.046	ng	99
3) Pyridine	3.452	79	584384	40.992	ng	99
4) n-Nitrosodimethylamine	3.405	42	317717	38.346	ng	100
6) Aniline	6.569	93	686015	42.173	ng	99
8) 2-Chlorophenol	6.687	128	572045	39.701	ng	100
9) Benzaldehyde	6.457	77	330476	34.048	ng	100
10) Phenol	6.540	94	676388m	38.399	ng	
11) bis(2-Chloroethyl)ether	6.640	93	624602m	36.030	ng	
12) 1,3-Dichlorobenzene	6.845	146	616110	37.375	ng	99
13) 1,4-Dichlorobenzene	6.922	146	623676	37.681	ng	99
14) 1,2-Dichlorobenzene	7.075	146	600086	37.772	ng	99
15) Benzyl Alcohol	7.045	79	436337	40.632	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.181	45	983896	38.006	ng	100
17) 2-Methylphenol	7.151	107	454505	38.961	ng	100
18) Hexachloroethane	7.422	117	218260	39.633	ng	100
19) n-Nitroso-di-n-propyla...	7.322	70	394300	38.437	ng	98
20) 3+4-Methylphenols	7.304	107	569096	39.089	ng	97
22) Acetophenone	7.316	105	745621	37.519	ng	99
24) Nitrobenzene	7.487	77	572370	41.431	ng	99
25) Isophorone	7.728	82	1066427	38.426	ng	99
26) 2-Nitrophenol	7.804	139	276219	42.037	ng	99
27) 2,4-Dimethylphenol	7.834	122	542819	38.903	ng	98
28) bis(2-Chloroethoxy)met...	7.934	93	681438	38.186	ng	99
29) 2,4-Dichlorophenol	8.039	162	482996	40.715	ng	99
30) 1,2,4-Trichlorobenzene	8.128	180	500471	37.487	ng	99
31) Naphthalene	8.210	128	1645769	37.992	ng	100
32) Benzoic acid	7.939	122	311574m	43.072	ng	
33) 4-Chloroaniline	8.257	127	706603m	39.993	ng	
34) Hexachlorobutadiene	8.328	225	304456	38.512	ng	100
35) Caprolactam	8.622	113	143456	41.494	ng	96
36) 4-Chloro-3-methylphenol	8.728	107	489740	39.715	ng	99
37) 2-Methylnaphthalene	8.898	142	1013246	37.643	ng	98
38) 1-Methylnaphthalene	8.998	142	1052686	37.522	ng	100
40) 1,2,4,5-Tetrachloroben...	9.069	216	502278	37.555	ng	99
41) Hexachlorocyclopentadiene	9.057	237	347327	42.020	ng	99
43) 2,4,6-Trichlorophenol	9.175	196	347673	41.212	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142303.D
Acq On : 05 May 2025 18:13
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

Quant Time: May 05 18:41:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	358022	39.886	ng	99
46) 1,1'-Biphenyl	9.363	154	1368945	37.283	ng	100
47) 2-Chloronaphthalene	9.392	162	1019130	37.323	ng	100
48) 2-Nitroaniline	9.481	65	312727	44.681	ng	99
49) Acenaphthylene	9.804	152	1728165	37.833	ng	100
50) Dimethylphthalate	9.663	163	1173252	38.154	ng	100
51) 2,6-Dinitrotoluene	9.722	165	257792	44.788	ng	96
52) Acenaphthene	9.981	154	1029833	37.495	ng	99
53) 3-Nitroaniline	9.898	138	291556	43.190	ng	95
54) 2,4-Dinitrophenol	9.992	184	114850	42.149	ng	85
55) Dibenzofuran	10.151	168	1506186	37.158	ng	99
56) 4-Nitrophenol	10.039	139	225481	44.381	ng	98
57) 2,4-Dinitrotoluene	10.128	165	334070	45.248	ng	97
58) Fluorene	10.492	166	1135685	36.712	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.263	232	308477	41.630	ng	99
60) Diethylphthalate	10.363	149	1168902	38.064	ng	100
61) 4-Chlorophenyl-phenyle...	10.486	204	549616	36.826	ng	99
62) 4-Nitroaniline	10.504	138	210408	39.327	ng	99
63) Azobenzene	10.645	77	1112390	37.908	ng	100
65) 4,6-Dinitro-2-methylph...	10.533	198	152861	41.574	ng	99
66) n-Nitrosodiphenylamine	10.604	169	1027891	38.096	ng	99
67) 4-Bromophenyl-phenylether	10.975	248	352033	38.308	ng	99
68) Hexachlorobenzene	11.039	284	386876	38.273	ng	98
69) Atrazine	11.128	200	291834	41.032	ng	99
70) Pentachlorophenol	11.228	266	233208	43.855	ng	98
71) Phenanthrene	11.457	178	1591319	37.441	ng	100
72) Anthracene	11.510	178	1633756	37.410	ng	100
73) Carbazole	11.657	167	1466436	37.428	ng	100
74) Di-n-butylphthalate	11.992	149	1635344	39.694	ng	100
75) Fluoranthene	12.645	202	1560552	36.731	ng	100
77) Benzidine	12.769	184	349742	43.136	ng	100
78) Pyrene	12.874	202	1553540	39.120	ng	100
80) Butylbenzylphthalate	13.492	149	451916	39.681	ng	99
81) Benzo(a)anthracene	14.063	228	1121831	38.827	ng	99
82) 3,3'-Dichlorobenzidine	14.021	252	278603	41.464	ng	100
83) Chrysene	14.098	228	987170	36.701	ng	99
84) Bis(2-ethylhexyl)phtha...	14.051	149	576295	39.051	ng	99
85) Di-n-octyl phthalate	14.668	149	1053573	40.234	ng	99
87) Indeno(1,2,3-cd)pyrene	17.074	276	1258449	40.452	ng	100
88) Benzo(b)fluoranthene	15.121	252	1055207	38.957	ng	99
89) Benzo(k)fluoranthene	15.151	252	885574	35.727	ng	99
90) Benzo(a)pyrene	15.498	252	943474	38.871	ng	100
91) Dibenzo(a,h)anthracene	17.092	278	1030211	40.084	ng	100
92) Benzo(g,h,i)perylene	17.533	276	1024727	40.171	ng	98

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

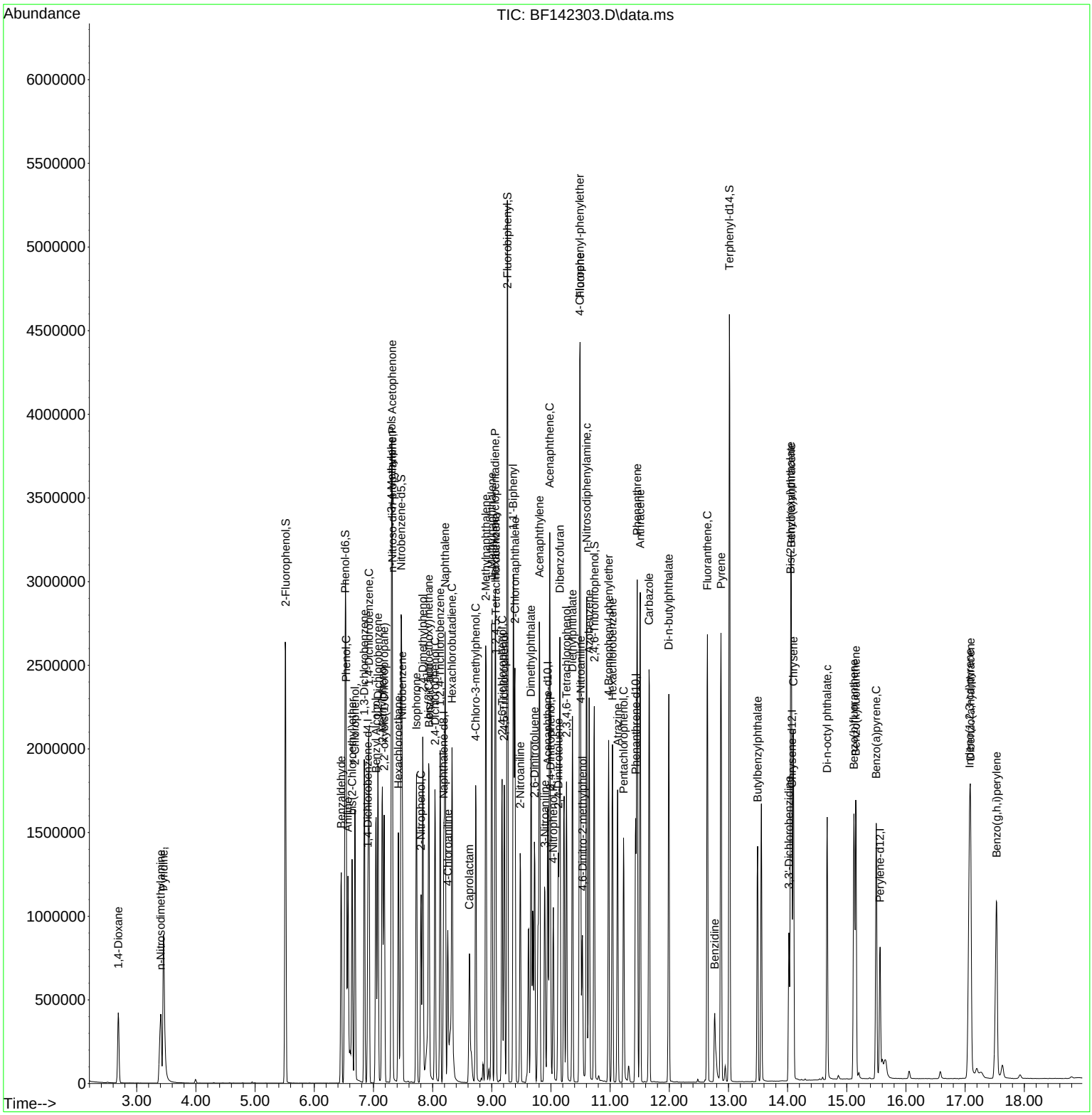
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142303.D
Acq On : 05 May 2025 18:13
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

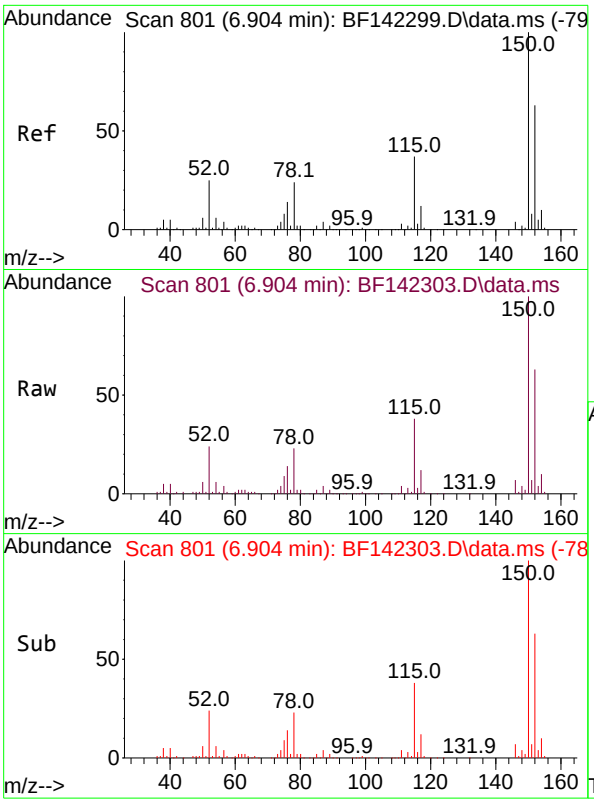
Quant Time: May 05 18:41:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

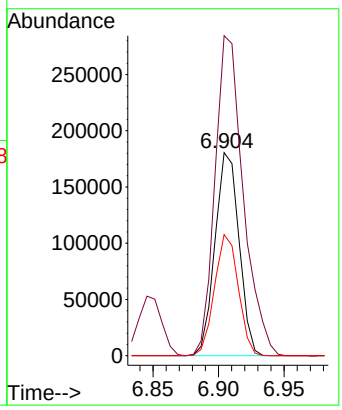




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 8(
Delta R.T. 0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:152 Resp: 23018(

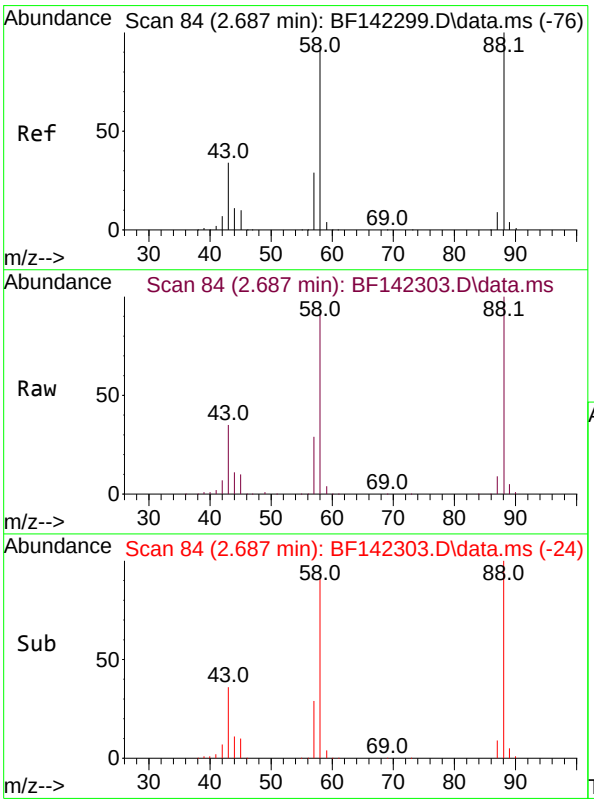
Ion	Ratio	Lower	Upper
152	100		
150	157.6	126.6	190.0
115	59.7	47.3	70.9



Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Manual Integrations APPROVED

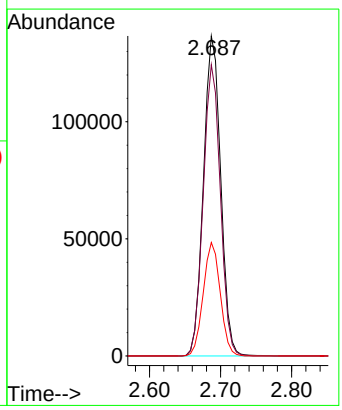
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

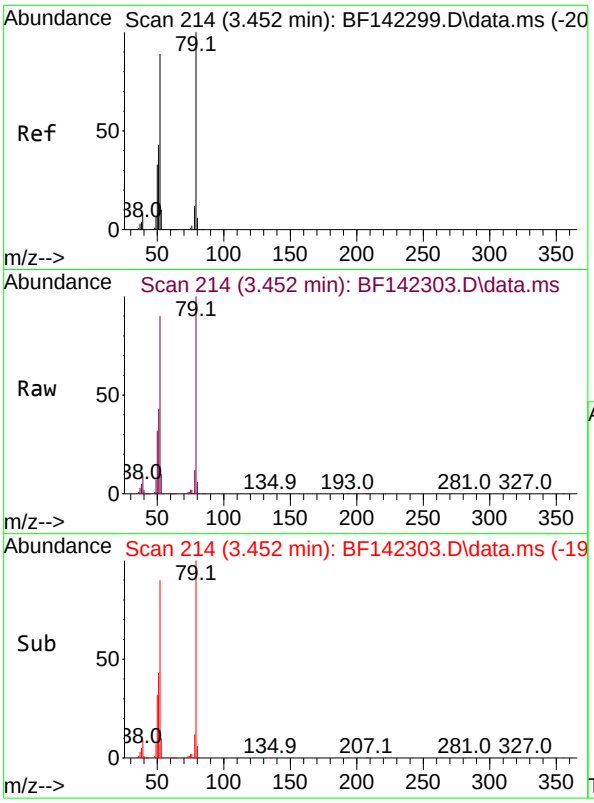


#2
1,4-Dioxane
Concen: 38.046 ng
RT: 2.687 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion: 88 Resp: 231020

Ion	Ratio	Lower	Upper
88	100		
58	90.4	73.0	109.4
43	35.1	27.8	41.6

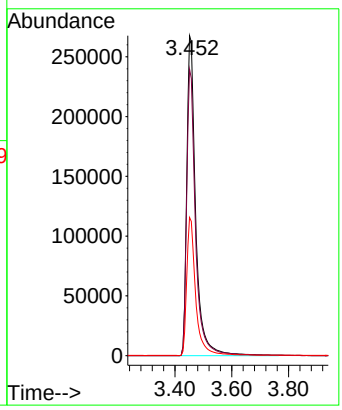




#3
Pyridine
Concen: 40.992 ng
RT: 3.452 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion: 79 Resp: 58438

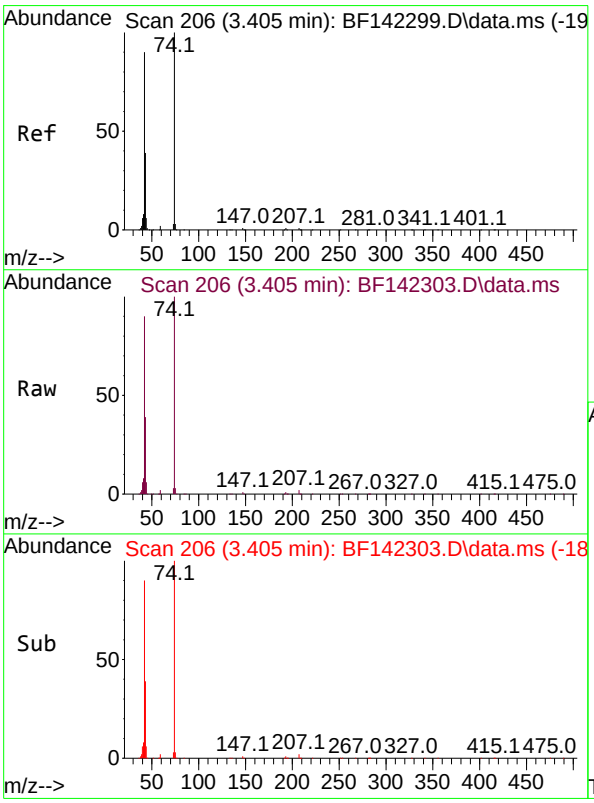
Ion	Ratio	Lower	Upper
79	100		
52	89.5	71.0	106.4
51	43.2	34.9	52.3



Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Manual Integrations APPROVED

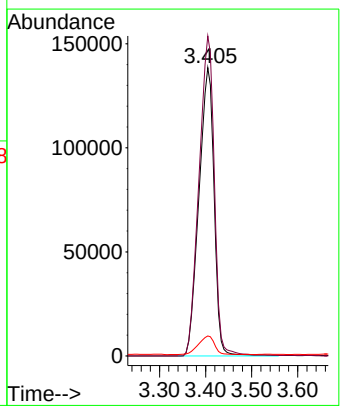
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

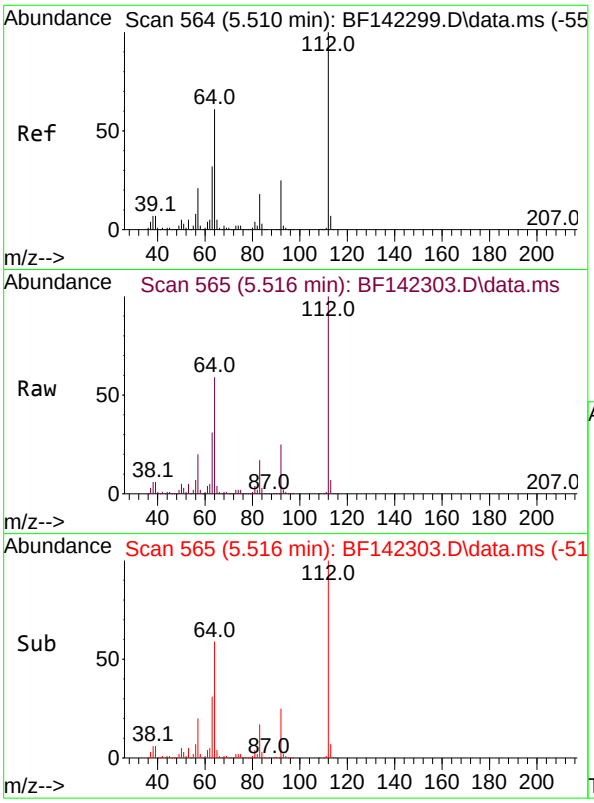


#4
n-Nitrosodimethylamine
Concen: 38.346 ng
RT: 3.405 min Scan# 206
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion: 42 Resp: 317717

Ion	Ratio	Lower	Upper
42	100		
74	111.0	88.5	132.7
44	6.9	5.8	8.8

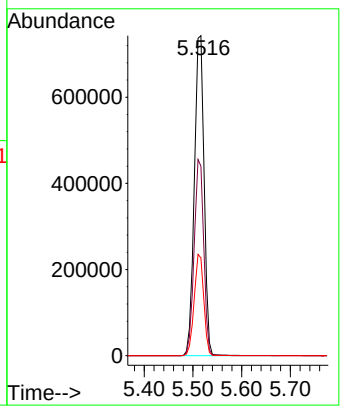




#5
2-Fluorophenol
Concen: 77.026 ng
RT: 5.516 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:112 Resp: 103860

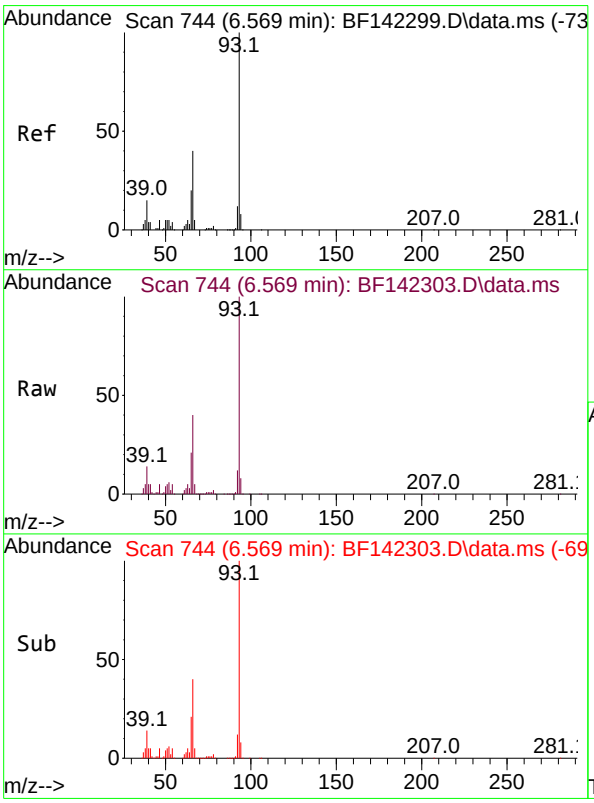
Ion	Ratio	Lower	Upper
112	100		
64	59.2	48.9	73.3
63	30.6	25.6	38.4



Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Manual Integrations
APPROVED

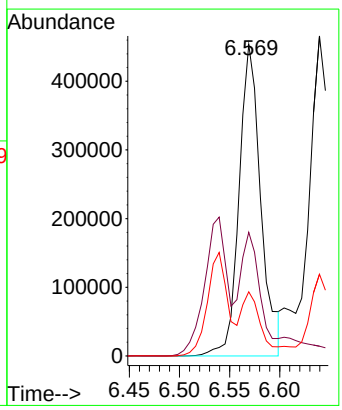
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

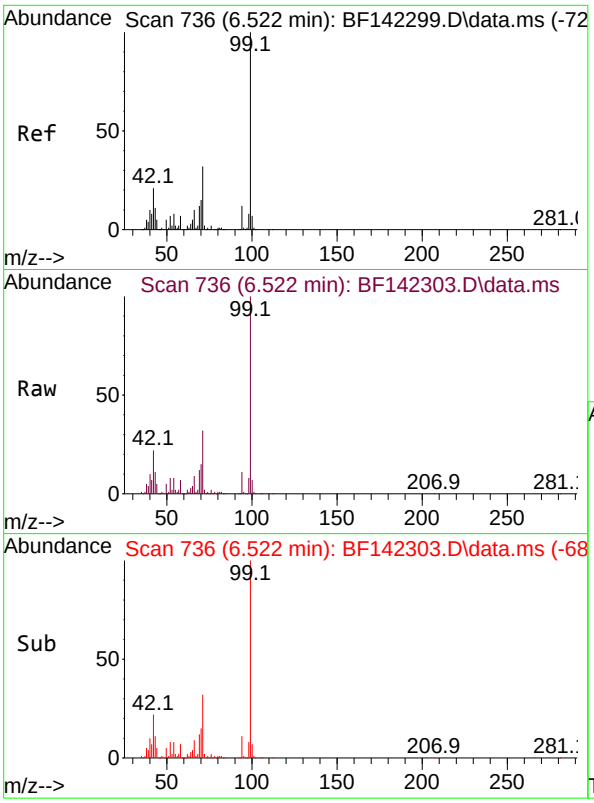


#6
Aniline
Concen: 42.173 ng
RT: 6.569 min Scan# 744
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion: 93 Resp: 686015

Ion	Ratio	Lower	Upper
93	100		
66	39.7	32.2	48.4
65	20.6	16.3	24.5

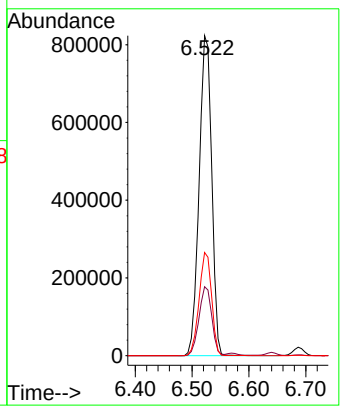




#7
Phenol-d6
Concen: 76.429 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion: 99 Resp: 126751

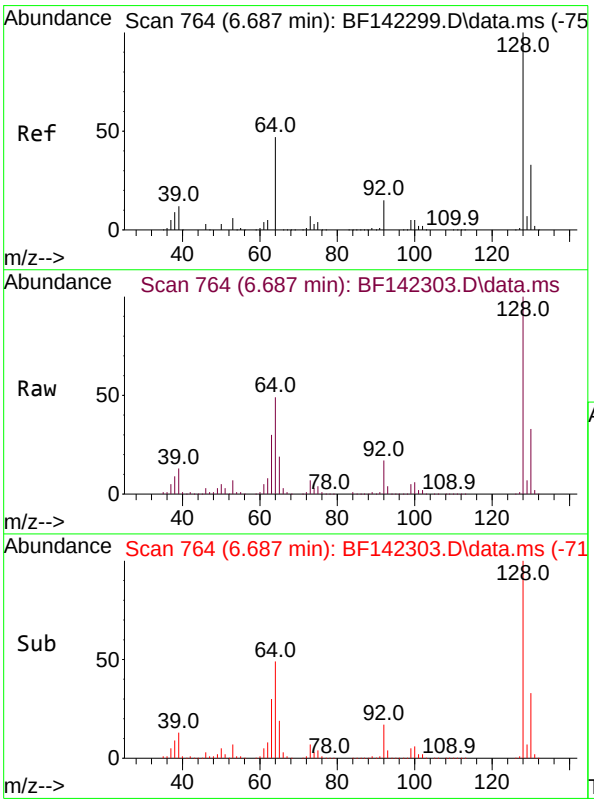
Ion	Ratio	Lower	Upper
99	100		
42	21.6	17.0	25.4
71	32.2	25.8	38.8



Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Manual Integrations
APPROVED

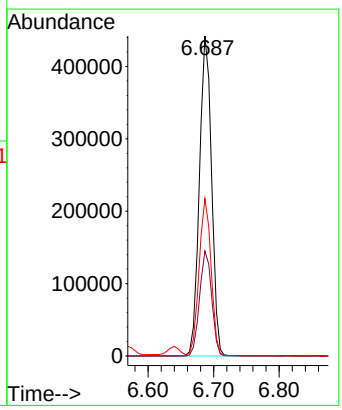
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

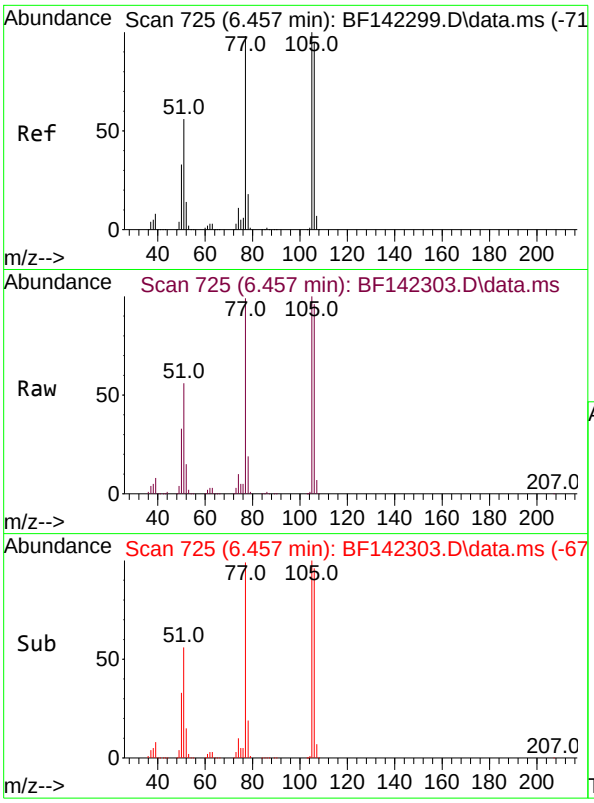


#8
2-Chlorophenol
Concen: 39.701 ng
RT: 6.687 min Scan# 764
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:128 Resp: 572045

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.7	52.7
64	49.2	29.2	69.2

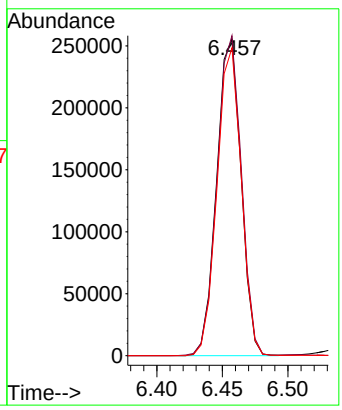




#9
Benzaldehyde
Concen: 34.048 ng
RT: 6.457 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion: 77 Resp: 33047

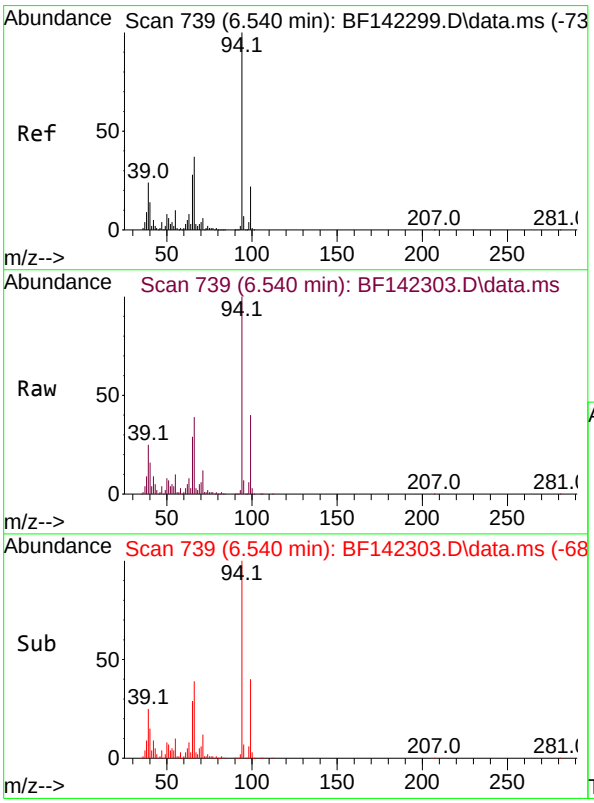
Ion	Ratio	Lower	Upper
77	100		
105	101.1	82.0	122.0
106	97.2	77.2	117.2



Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Manual Integrations
APPROVED

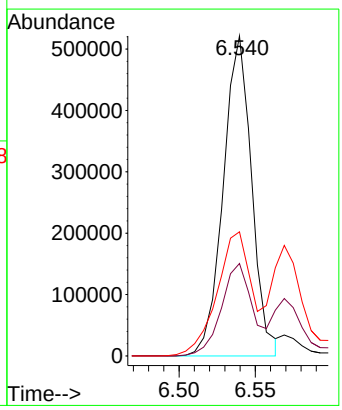
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

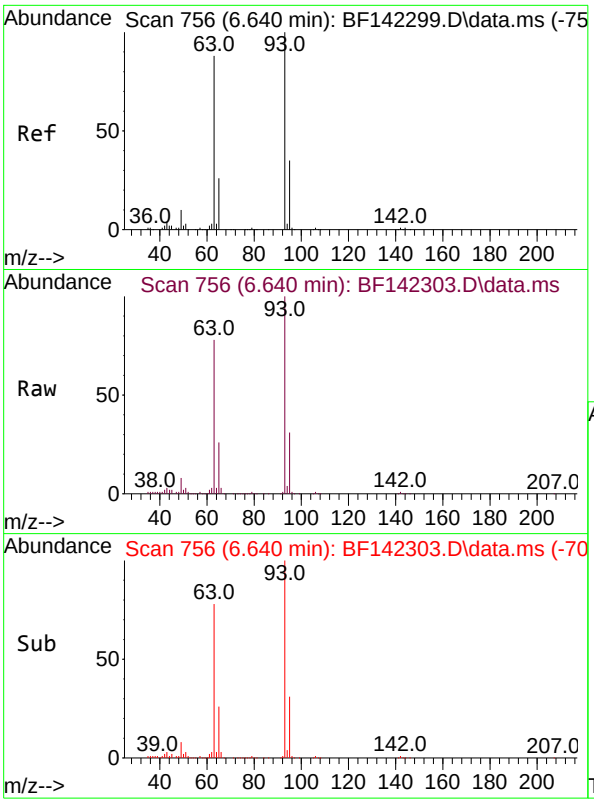


#10
Phenol
Concen: 38.399 ng m
RT: 6.540 min Scan# 739
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion: 94 Resp: 676388

Ion	Ratio	Lower	Upper
94	100		
65	28.9	8.5	48.5
66	38.8	17.3	57.3

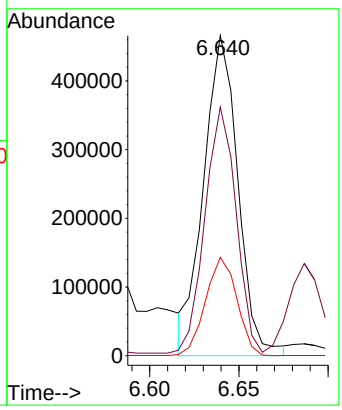




#11
bis(2-Chloroethyl)ether
Concen: 36.030 ng m
RT: 6.640 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion: 93 Resp: 62460

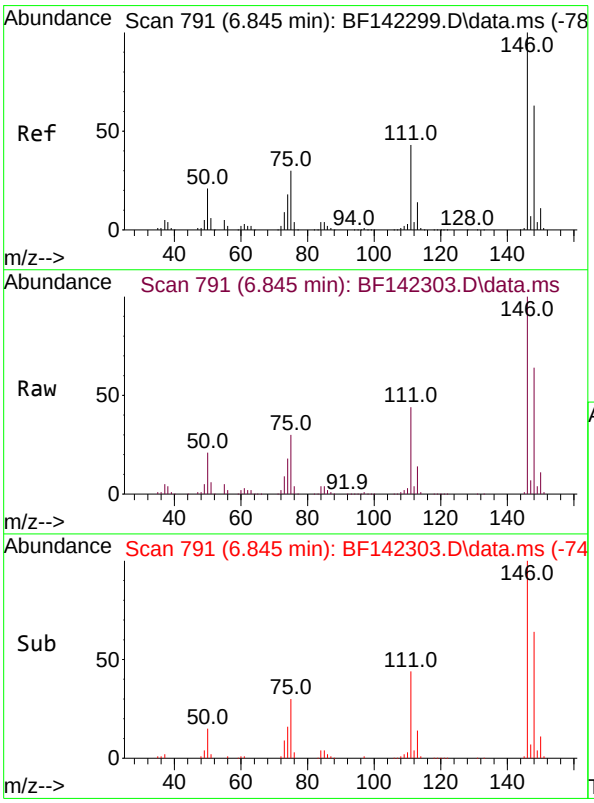
Ion	Ratio	Lower	Upper
93	100		
63	77.7	58.4	98.4
95	30.8	10.6	50.6



Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Manual Integrations
APPROVED

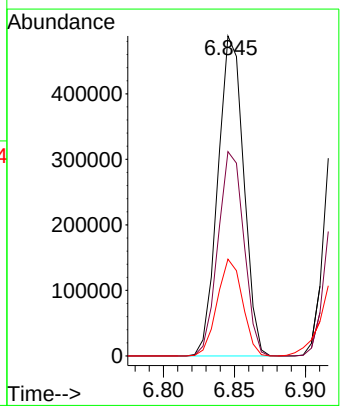
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

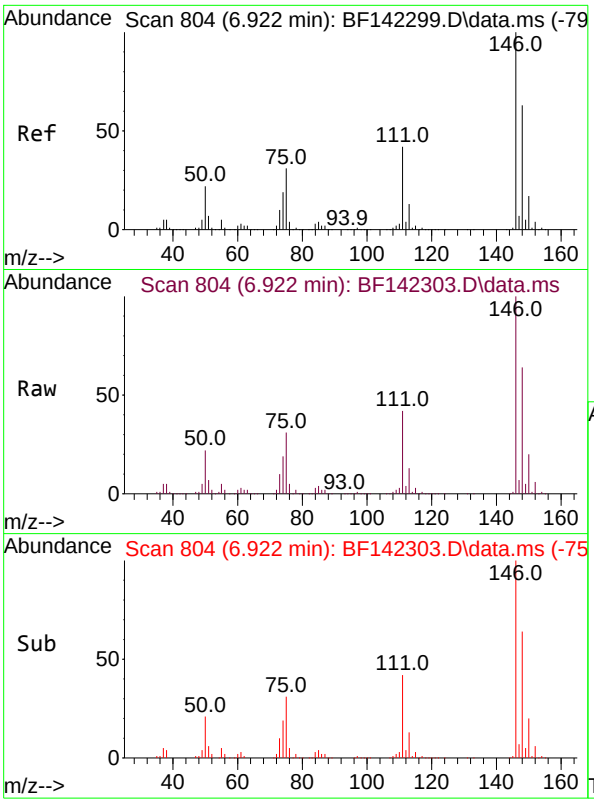


#12
1,3-Dichlorobenzene
Concen: 37.375 ng
RT: 6.845 min Scan# 791
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:146 Resp: 616110

Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.6	76.0
75	30.3	24.2	36.4

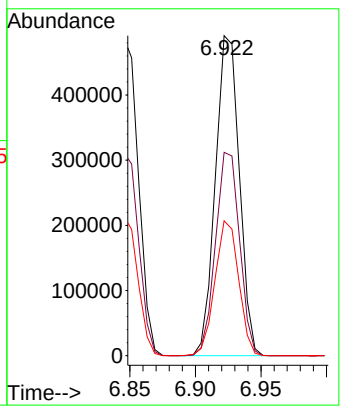




#13
1,4-Dichlorobenzene
Concen: 37.681 ng
RT: 6.922 min Scan# 8(
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:146 Resp: 62367(

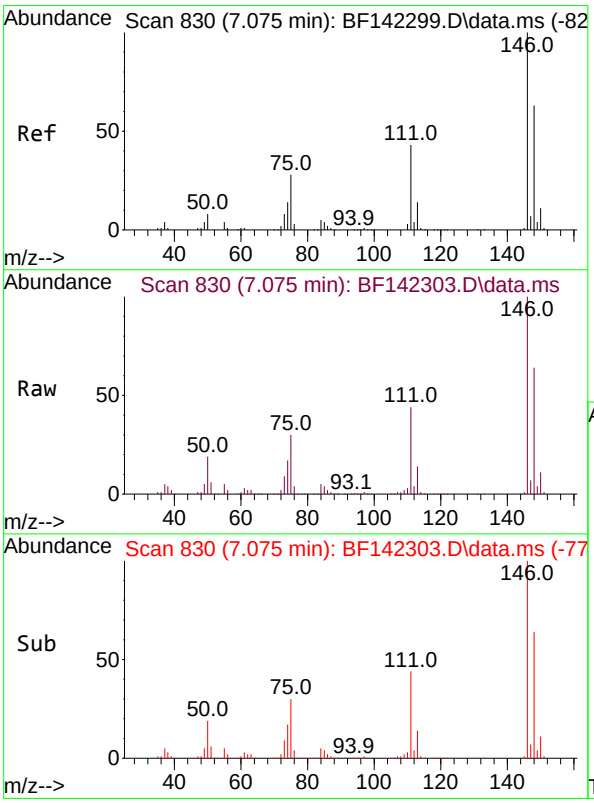
Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.5	75.7
111	42.1	33.4	50.2



Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Manual Integrations
APPROVED

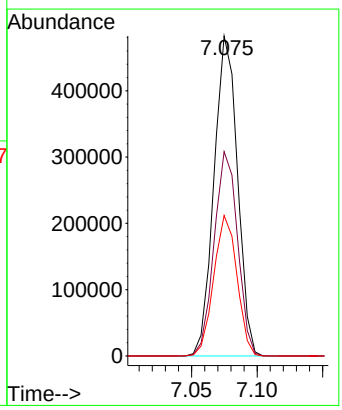
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

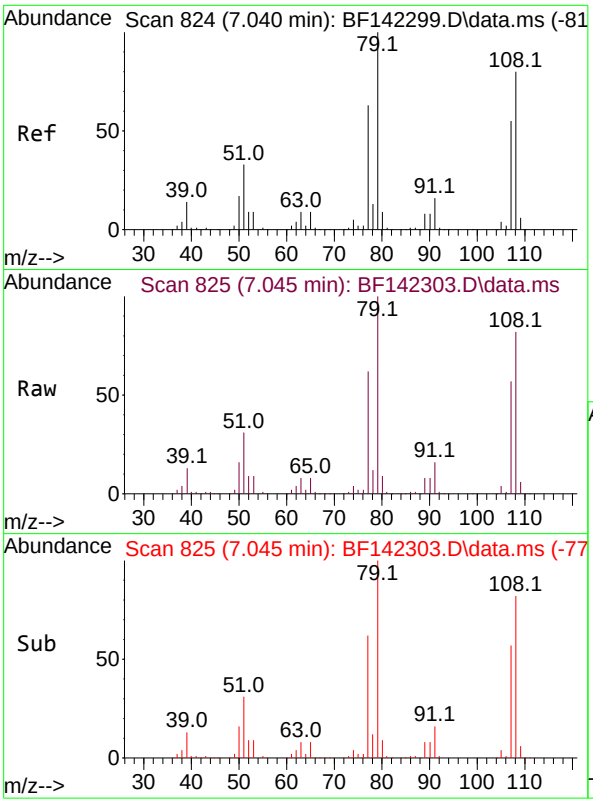


#14
1,2-Dichlorobenzene
Concen: 37.772 ng
RT: 7.075 min Scan# 830
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:146 Resp: 600086

Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.3	75.5
111	43.9	34.5	51.7

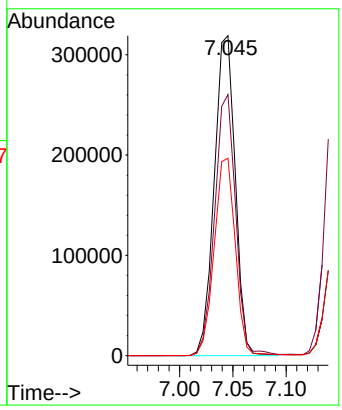




#15
Benzyl Alcohol
Concen: 40.632 ng
RT: 7.045 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion: 79 Resp: 43633

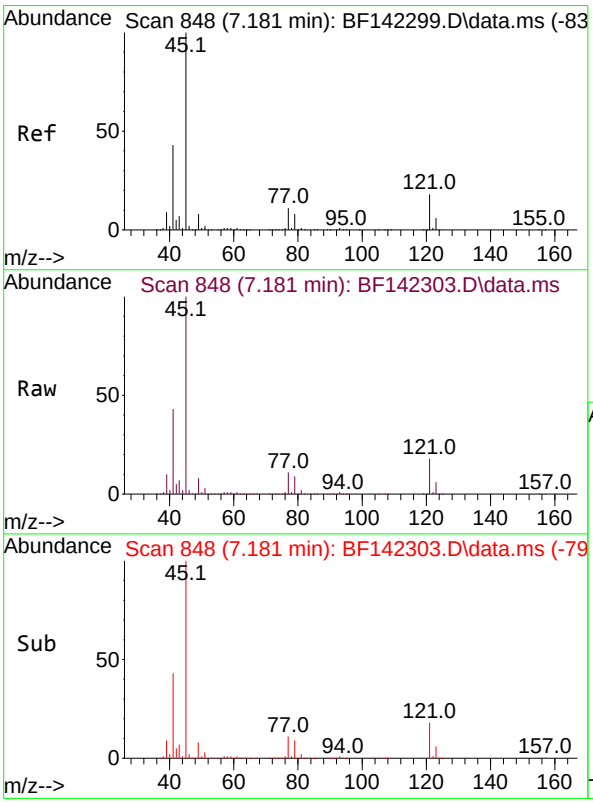
Ion	Ratio	Lower	Upper
79	100		
108	81.6	63.9	95.9
77	61.7	50.7	76.1



Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Manual Integrations
APPROVED

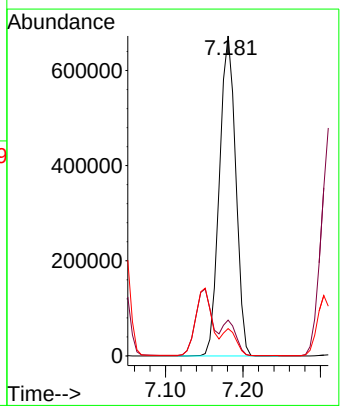
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

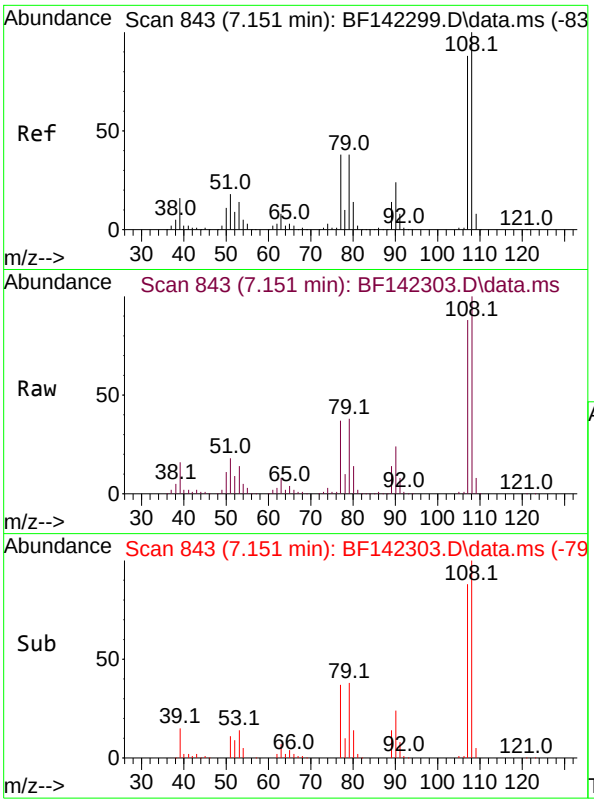


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.006 ng
RT: 7.181 min Scan# 848
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion: 45 Resp: 983896

Ion	Ratio	Lower	Upper
45	100		
77	11.2	0.0	31.2
79	8.6	0.0	28.5

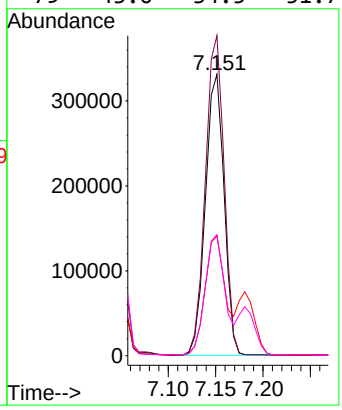




#17
2-Methylphenol
Concen: 38.961 ng
RT: 7.151 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:107 Resp: 45450

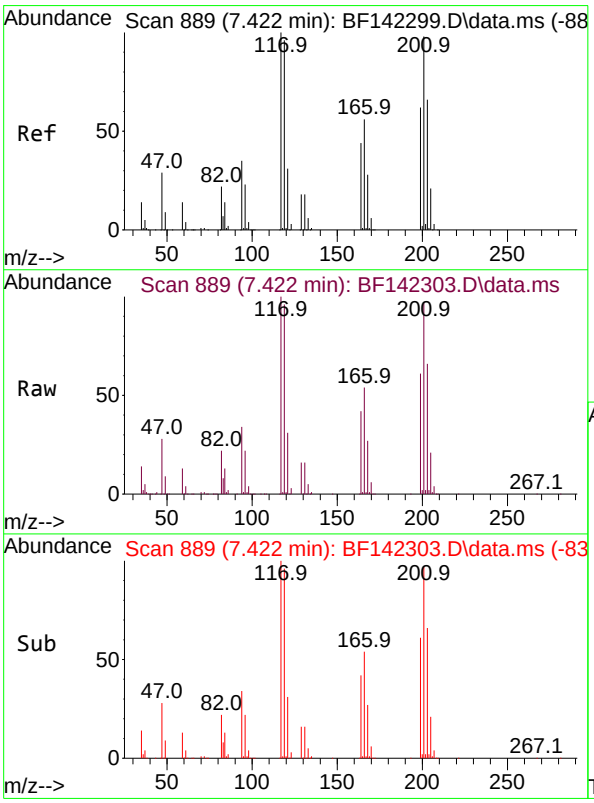
Ion	Ratio	Lower	Upper
107	100		
108	113.8	91.1	136.7
77	42.5	34.7	52.1
79	43.0	34.5	51.7



Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Manual Integrations APPROVED

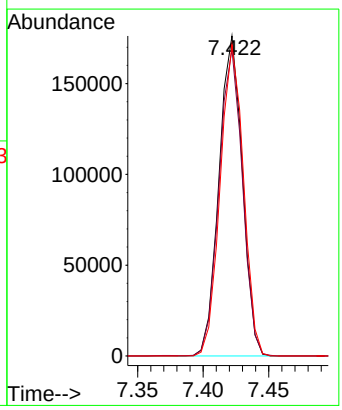
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

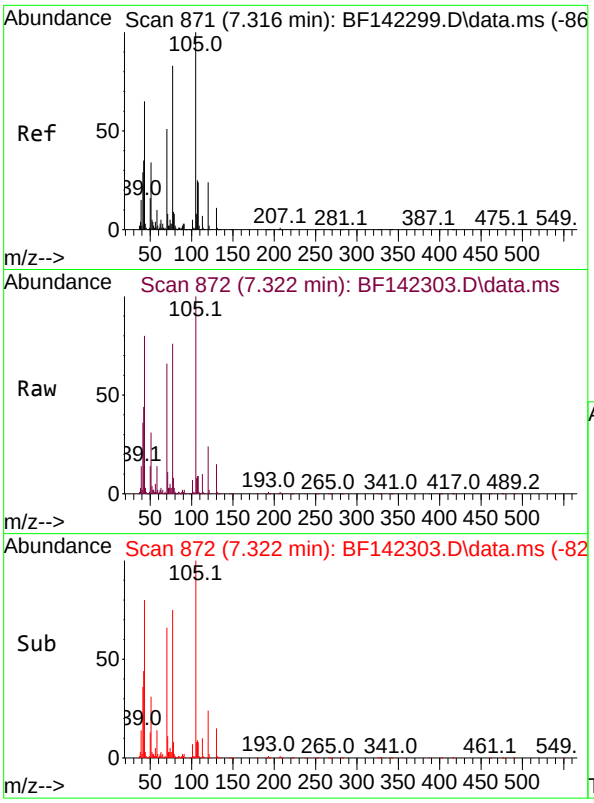


#18
Hexachloroethane
Concen: 39.633 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:117 Resp: 218260

Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.9	115.3
201	97.3	78.0	117.0

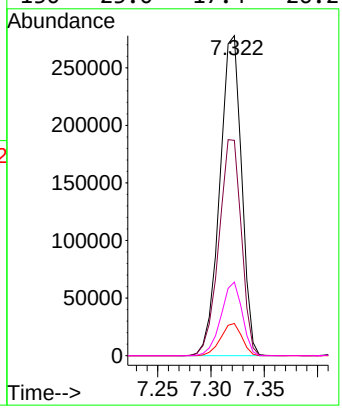




#19
n-Nitroso-di-n-propylamine
Concen: 38.437 ng
RT: 7.322 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion: 70 Resp: 39430

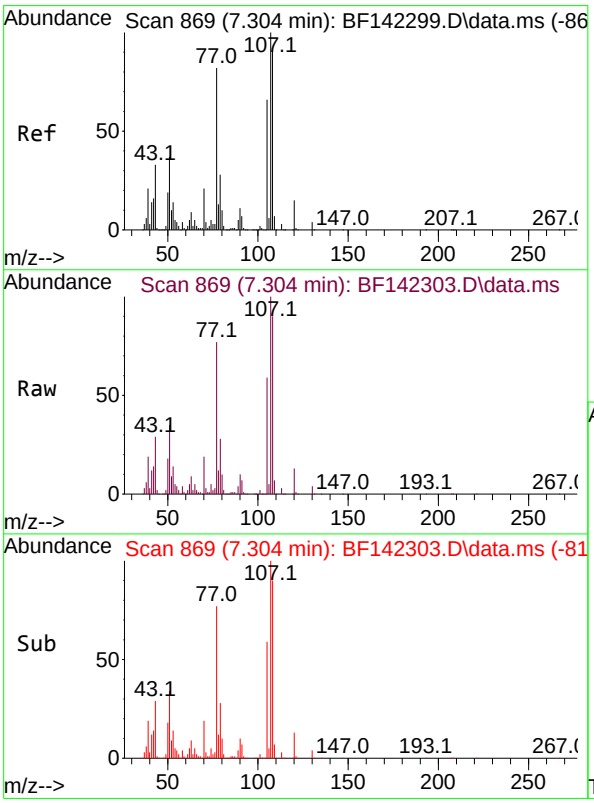
Ion	Ratio	Lower	Upper
70	100		
42	67.3	54.8	82.2
101	10.0	7.7	11.5
130	23.0	17.4	26.2



Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Manual Integrations
APPROVED

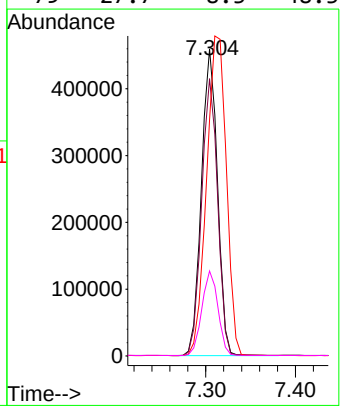
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

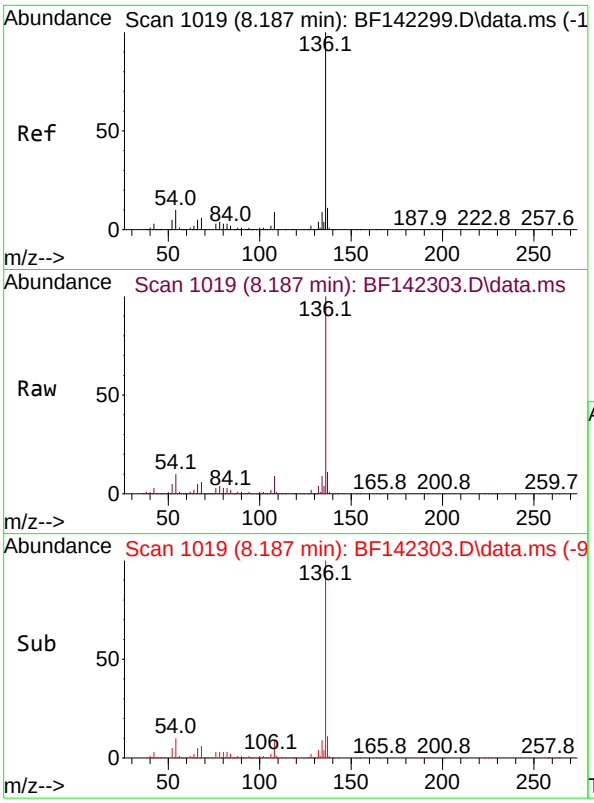


#20
3+4-Methylphenols
Concen: 39.089 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:107 Resp: 569096

Ion	Ratio	Lower	Upper
107	100		
108	90.3	71.5	111.5
77	76.9	61.6	101.6
79	27.7	8.3	48.3

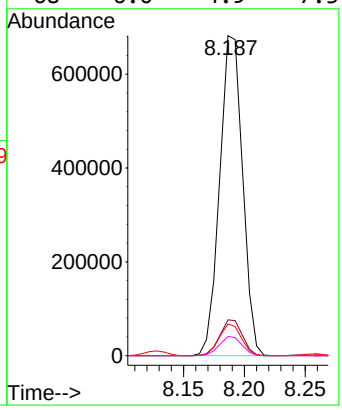




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:136 Resp: 89380

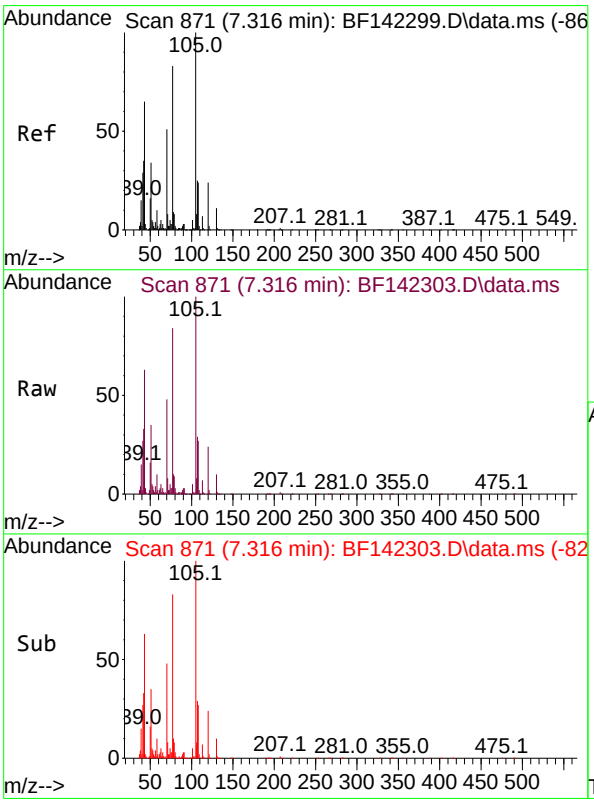
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	9.9	7.7	11.5
68	6.0	4.9	7.3



Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Manual Integrations
APPROVED

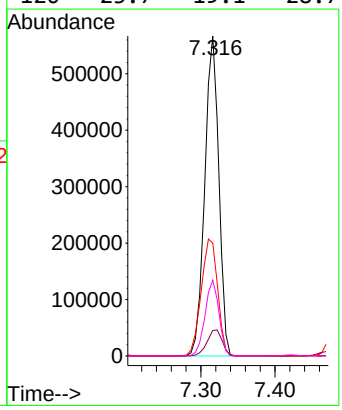
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

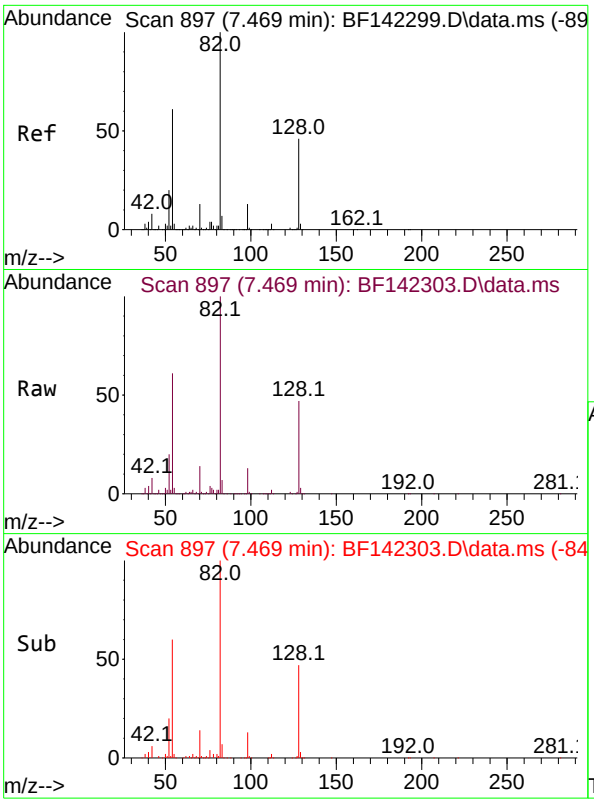


#22
Acetophenone
Concen: 37.519 ng
RT: 7.316 min Scan# 871
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:105 Resp: 745621

Ion	Ratio	Lower	Upper
105	100		
71	8.0	6.7	10.1
51	35.2	27.6	41.4
120	23.7	19.1	28.7

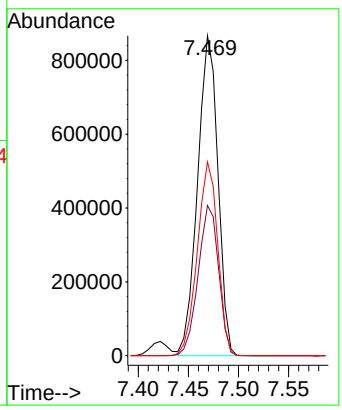




#23
Nitrobenzene-d5
Concen: 83.567 ng
RT: 7.469 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion: 82 Resp: 122473

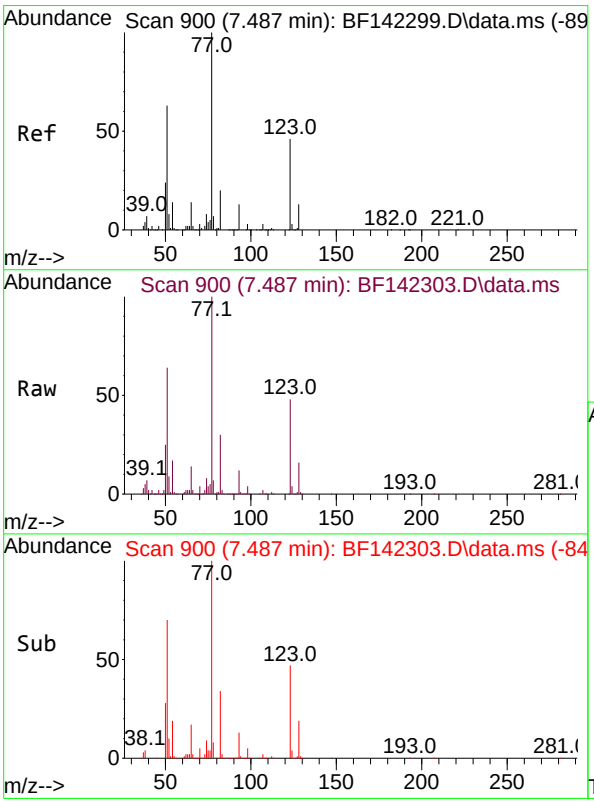
Ion	Ratio	Lower	Upper
82	100		
128	47.0	37.0	55.6
54	60.6	48.6	73.0



Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Manual Integrations
APPROVED

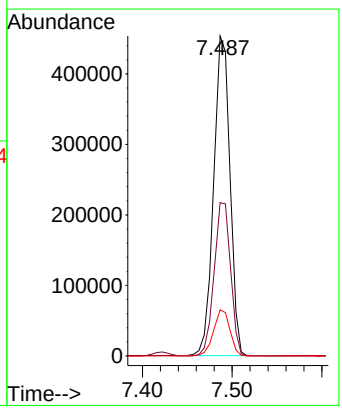
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

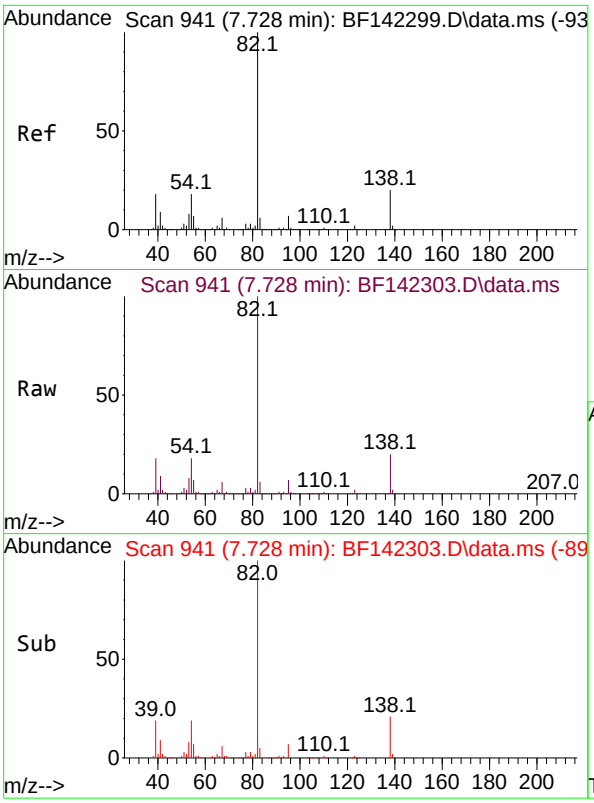


#24
Nitrobenzene
Concen: 41.431 ng
RT: 7.487 min Scan# 900
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion: 77 Resp: 572370

Ion	Ratio	Lower	Upper
77	100		
123	47.9	37.8	56.8
65	14.4	11.4	17.0





#25
Isophorone
Concen: 38.426 ng
RT: 7.728 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

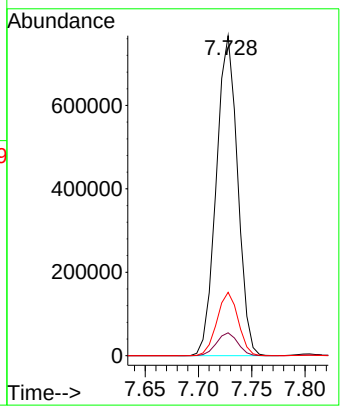
Tgt Ion: 82 Resp: 106642

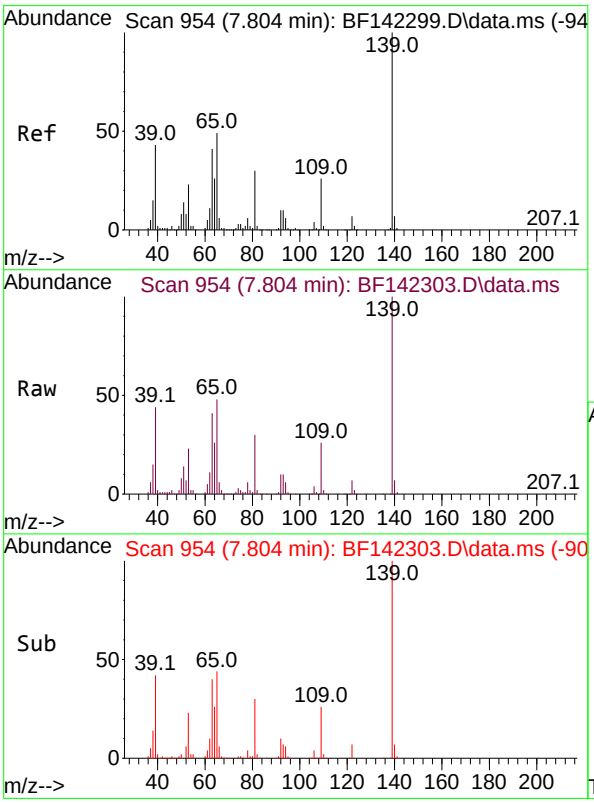
Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.8	8.8
138	19.8	16.1	24.1

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

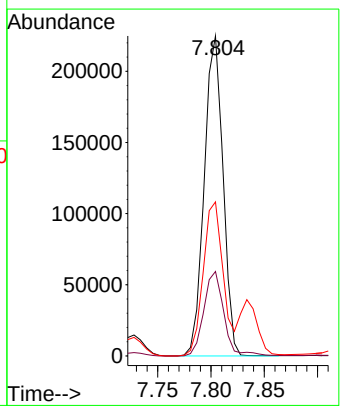


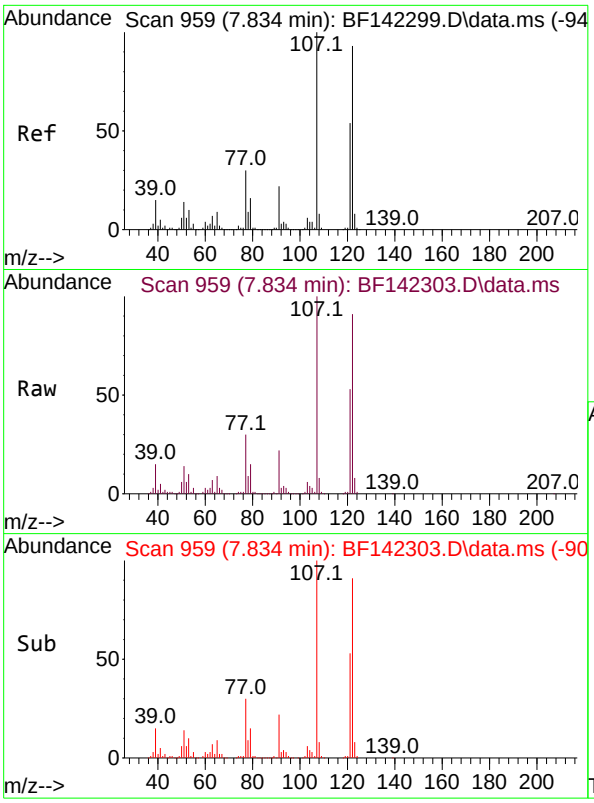


#26
2-Nitrophenol
Concen: 42.037 ng
RT: 7.804 min Scan# 954
Delta R.T. 0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:139 Resp: 276219

Ion	Ratio	Lower	Upper
139	100		
109	26.4	20.8	31.2
65	48.1	38.9	58.3

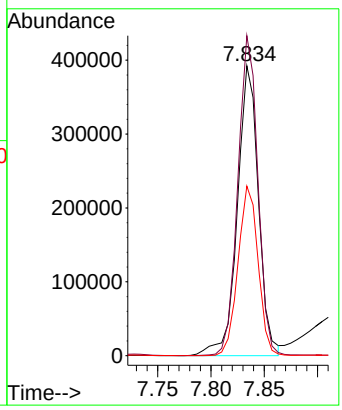




#27
2,4-Dimethylphenol
Concen: 38.903 ng
RT: 7.834 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:122 Resp: 54281

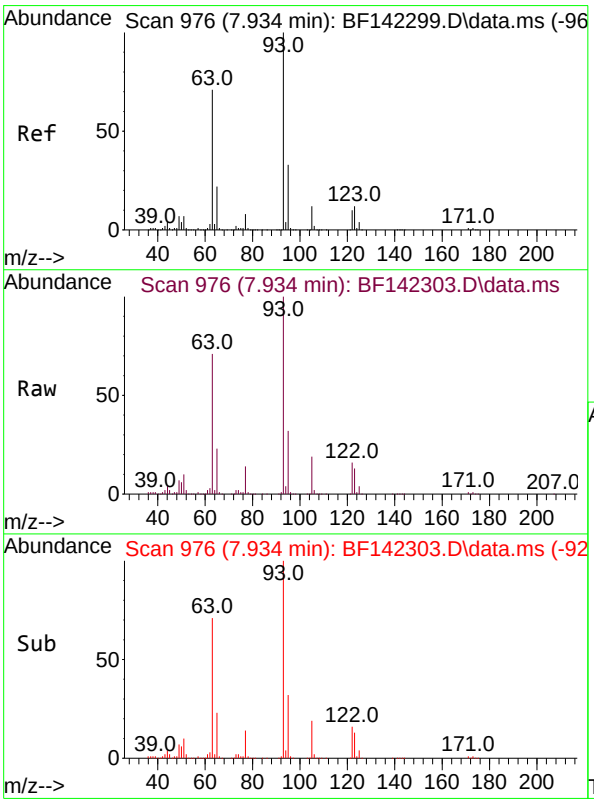
Ion	Ratio	Lower	Upper
122	100		
107	110.4	86.0	129.0
121	58.5	46.2	69.4



Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Manual Integrations APPROVED

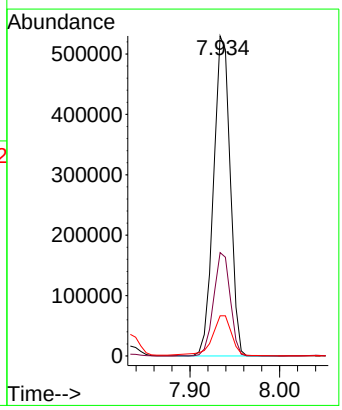
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

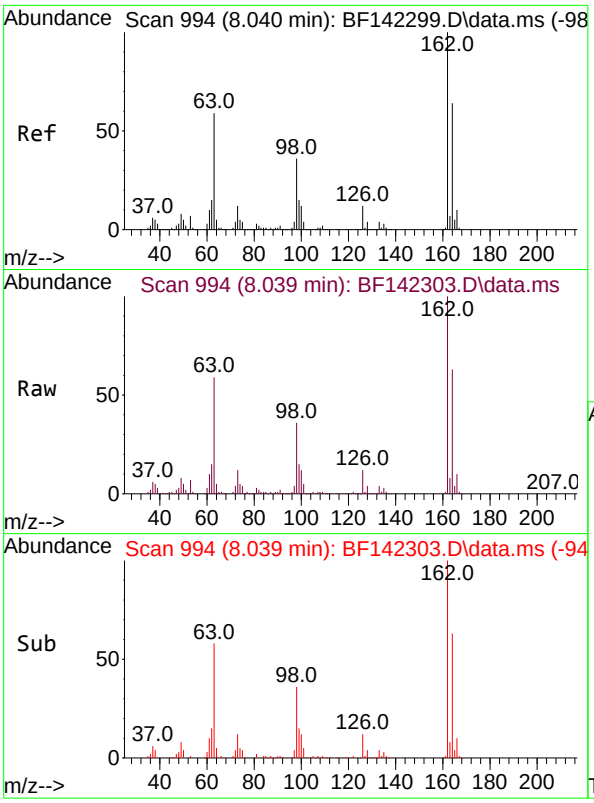


#28
bis(2-Chloroethoxy)methane
Concen: 38.186 ng
RT: 7.934 min Scan# 976
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion: 93 Resp: 681438

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.1	39.1
123	12.6	10.2	15.4

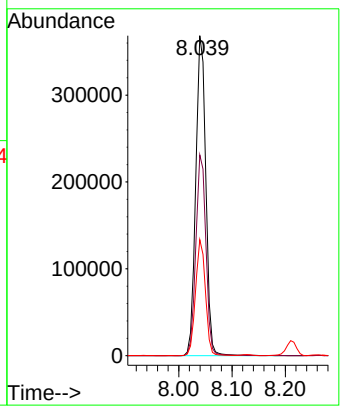




#29
2,4-Dichlorophenol
Concen: 40.715 ng
RT: 8.039 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:162 Resp: 48299

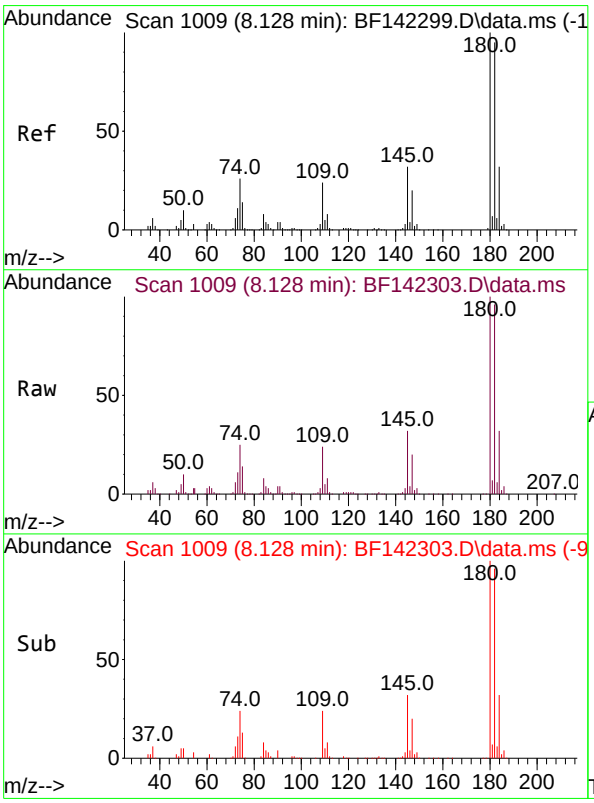
Ion	Ratio	Lower	Upper
162	100		
164	62.7	43.6	83.6
98	36.3	16.5	56.5



Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Manual Integrations
APPROVED

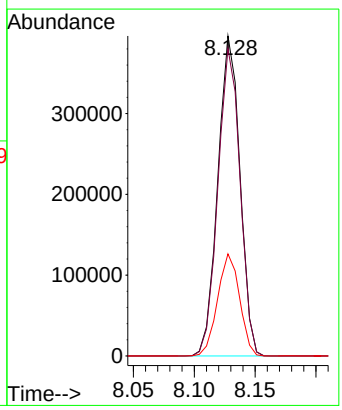
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

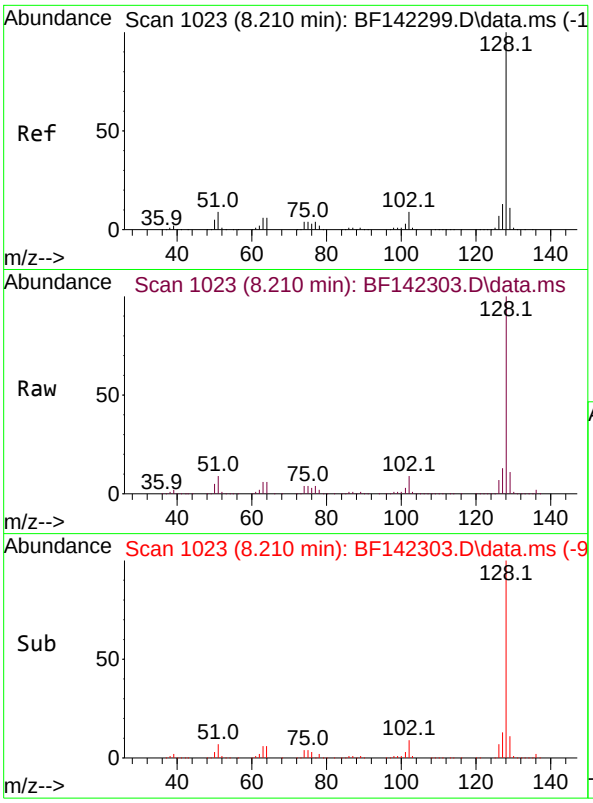


#30
1,2,4-Trichlorobenzene
Concen: 37.487 ng
RT: 8.128 min Scan# 1009
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:180 Resp: 500471

Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.2	114.4
145	31.9	25.8	38.6

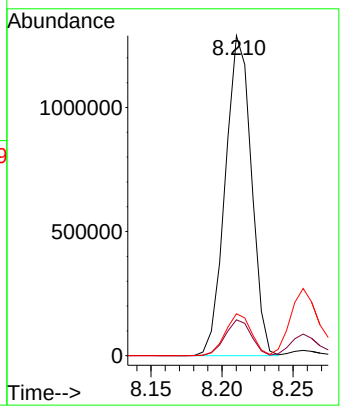




#31
Naphthalene
Concen: 37.992 ng
RT: 8.210 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:128 Resp: 164576

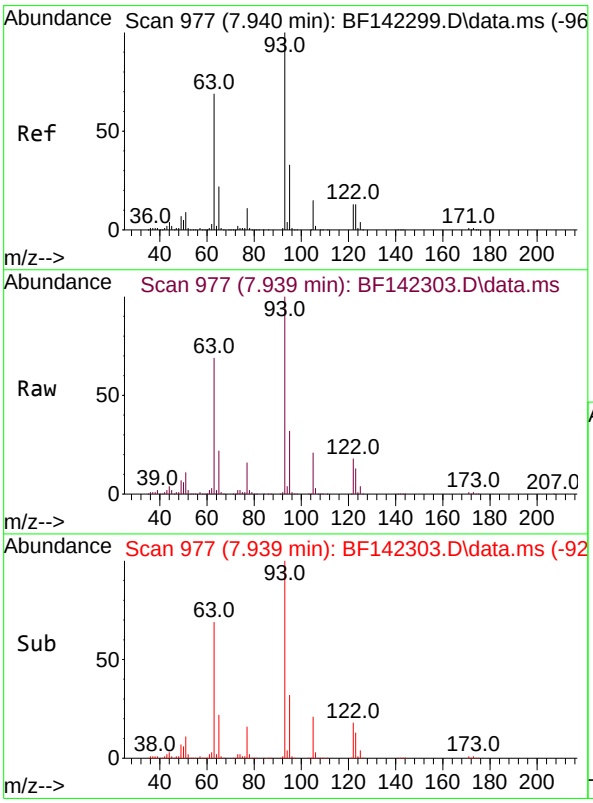
Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.1	13.7
127	13.1	10.5	15.7



Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Manual Integrations APPROVED

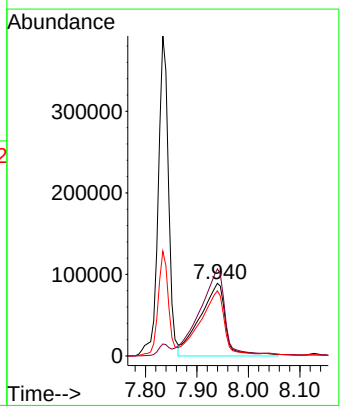
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

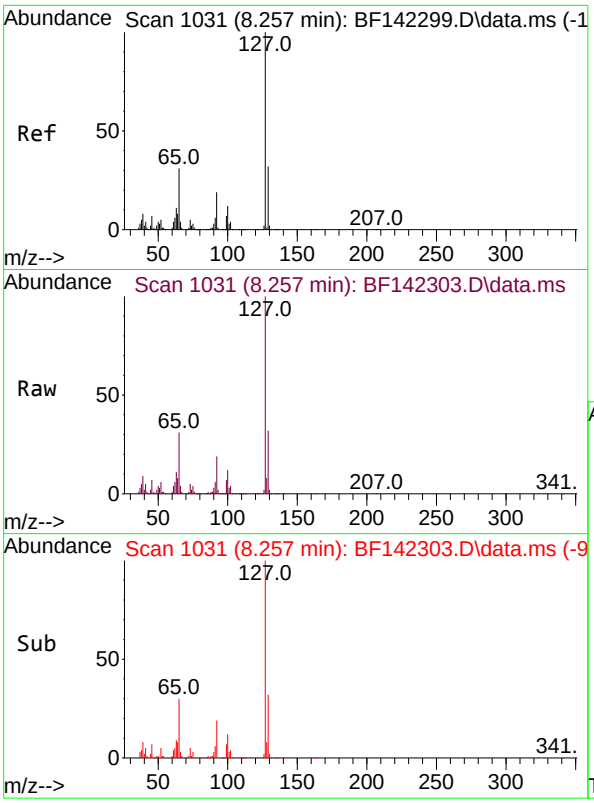


#32
Benzoic acid
Concen: 43.072 ng m
RT: 7.939 min Scan# 977
Delta R.T. -0.001 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:122 Resp: 311574

Ion	Ratio	Lower	Upper
122	100		
105	120.0	97.9	137.9
77	89.6	67.7	107.7

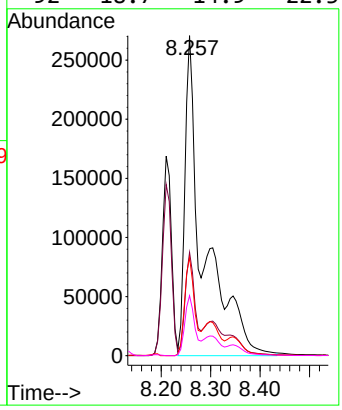




#33
4-Chloroaniline
Concen: 39.993 ng m
RT: 8.257 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:127 Resp: 70660

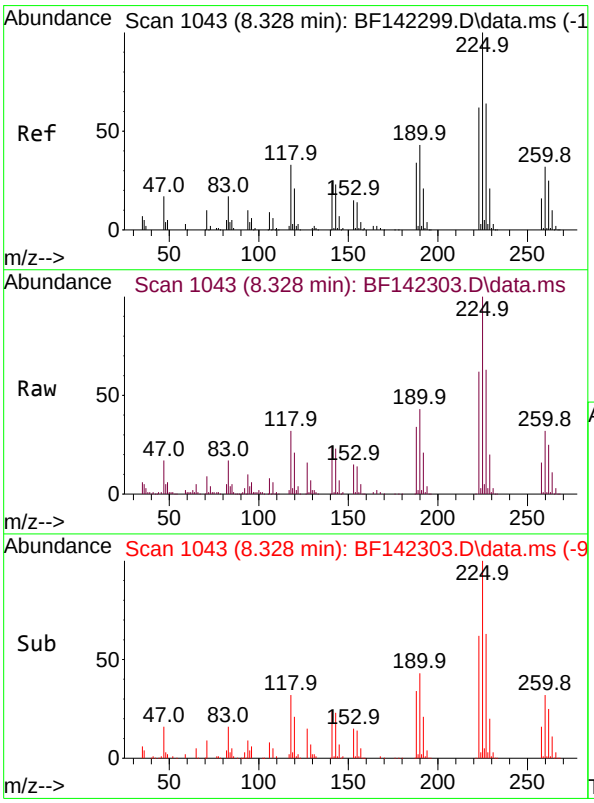
Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.7	38.5
65	30.7	24.9	37.3
92	18.7	14.9	22.3



Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Manual Integrations APPROVED

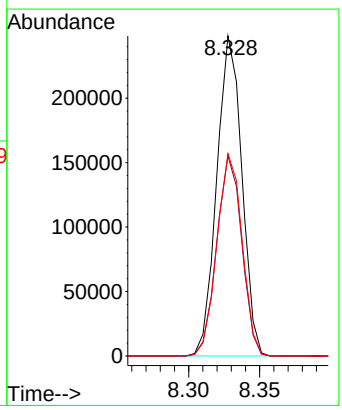
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

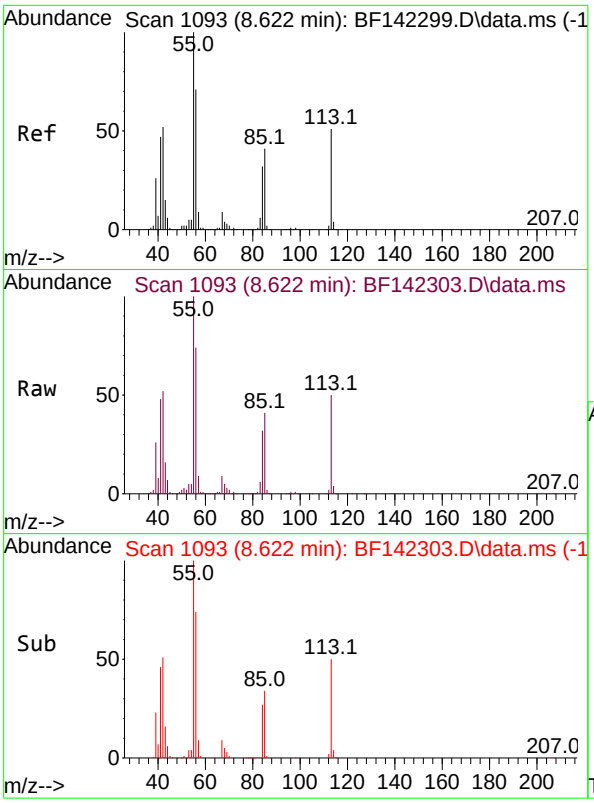


#34
Hexachlorobutadiene
Concen: 38.512 ng
RT: 8.328 min Scan# 1043
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:225 Resp: 304456

Ion	Ratio	Lower	Upper
225	100		
223	62.5	49.8	74.6
227	63.2	50.9	76.3

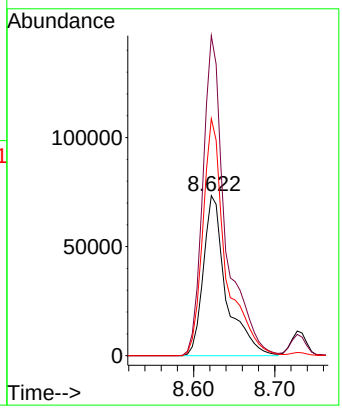




#35
Caprolactam
Concen: 41.494 ng
RT: 8.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:113 Resp: 14345

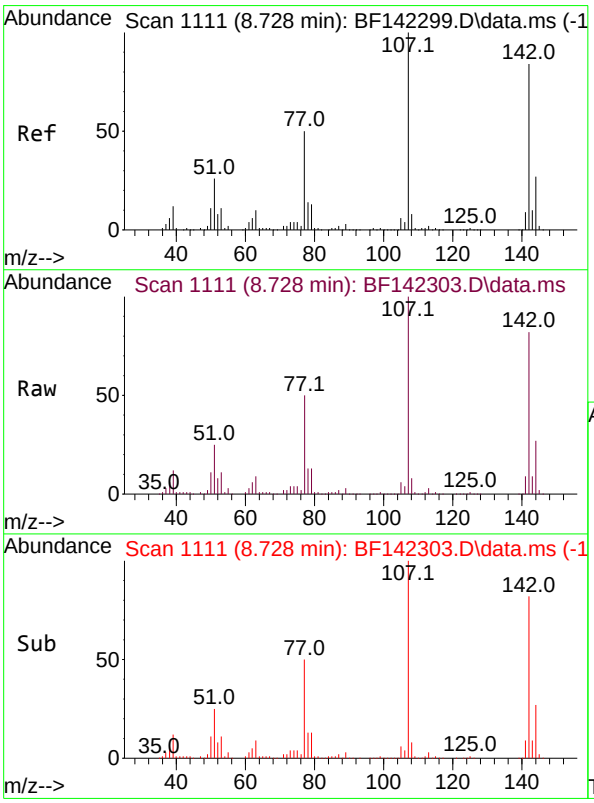
Ion	Ratio	Lower	Upper
113	100		
55	199.9	176.4	216.4
56	148.0	120.3	160.3



Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Manual Integrations
APPROVED

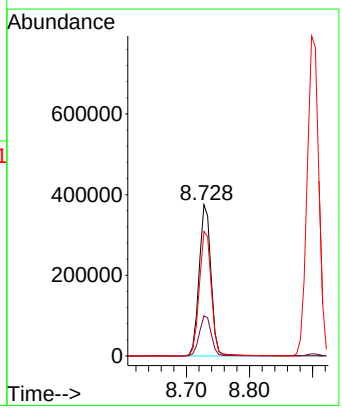
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

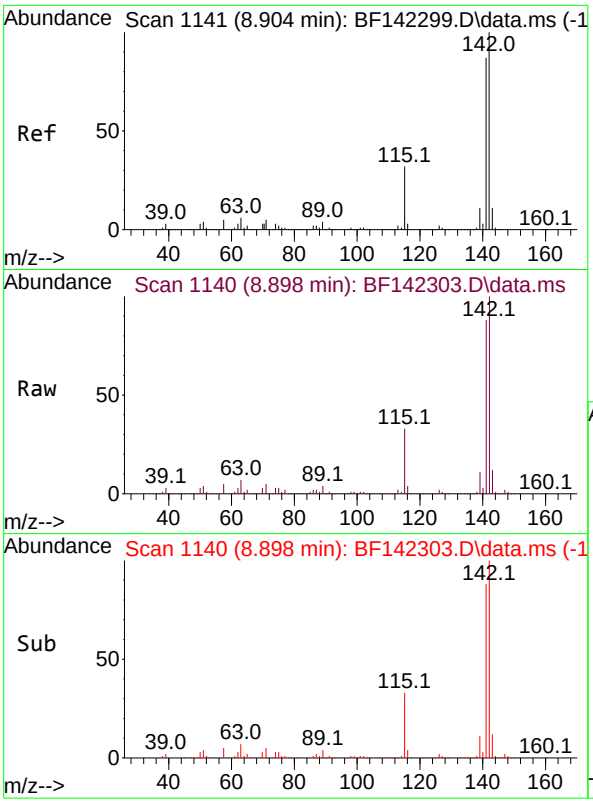


#36
4-Chloro-3-methylphenol
Concen: 39.715 ng
RT: 8.728 min Scan# 1111
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:107 Resp: 489740

Ion	Ratio	Lower	Upper
107	100		
144	26.6	21.3	31.9
142	82.4	66.9	100.3

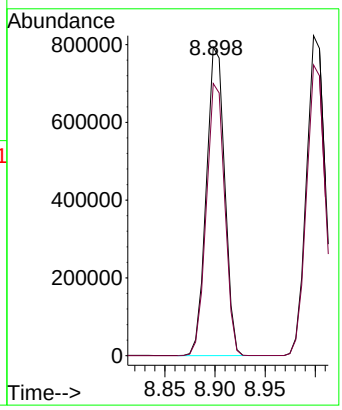




#37
2-Methylnaphthalene
Concen: 37.643 ng
RT: 8.898 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:142 Resp: 101324

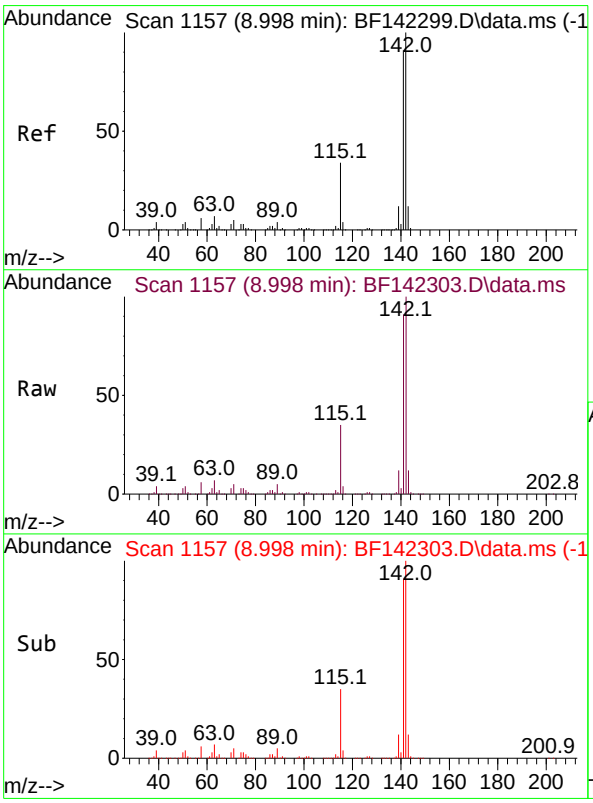
Ion	Ratio	Lower	Upper
142	100		
141	88.2	69.4	104.2



Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Manual Integrations APPROVED

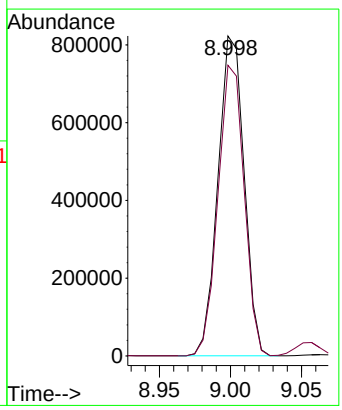
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

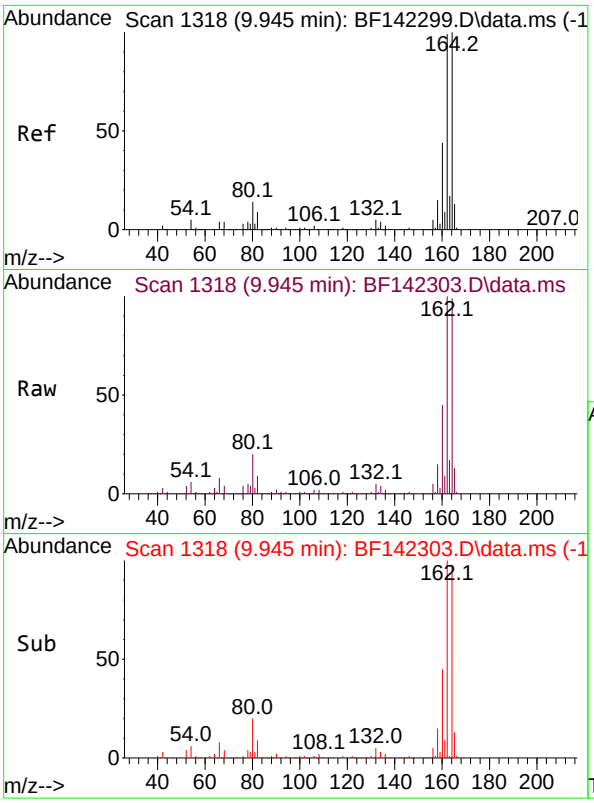


#38
1-Methylnaphthalene
Concen: 37.522 ng
RT: 8.998 min Scan# 1157
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:142 Resp: 1052686

Ion	Ratio	Lower	Upper
142	100		
141	90.9	72.5	108.7

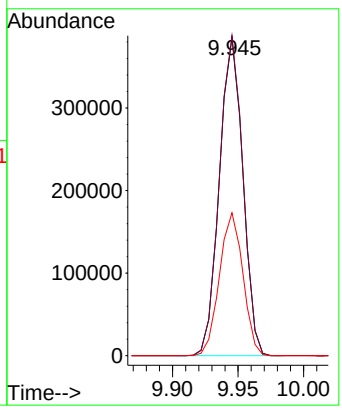




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:164 Resp: 47887

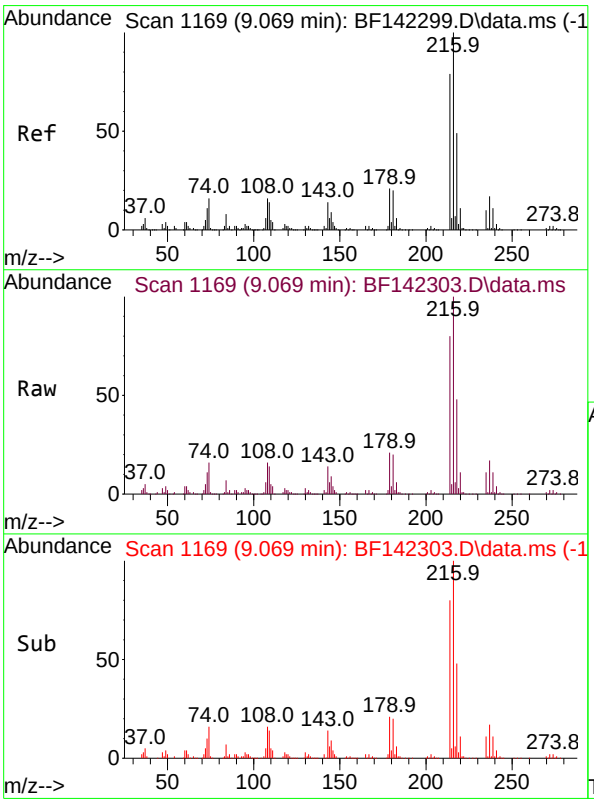
Ion	Ratio	Lower	Upper
164	100		
162	100.7	79.2	118.8
160	45.0	35.3	52.9



Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Manual Integrations
APPROVED

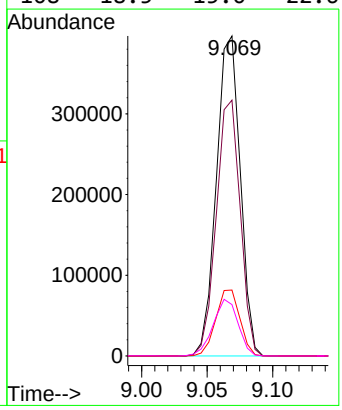
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

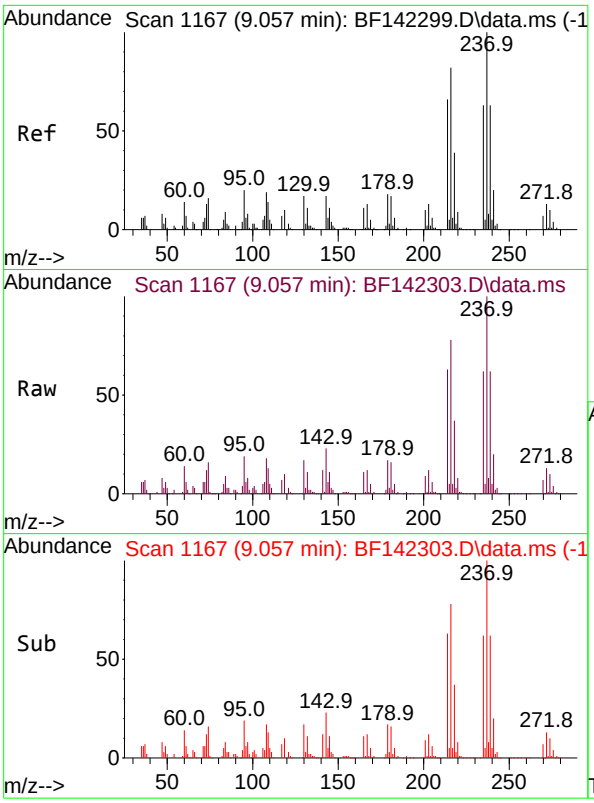


#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.555 ng
RT: 9.069 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:216 Resp: 502278

Ion	Ratio	Lower	Upper
216	100		
214	80.0	63.8	95.6
179	20.8	17.0	25.6
108	18.5	15.0	22.6

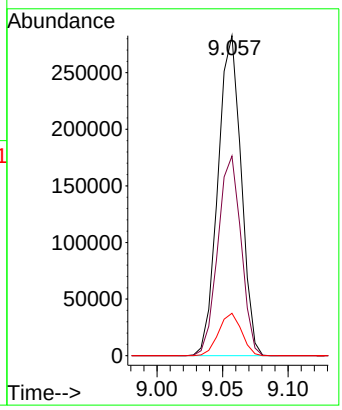




#41
Hexachlorocyclopentadiene
Concen: 42.020 ng
RT: 9.057 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:237 Resp: 34732

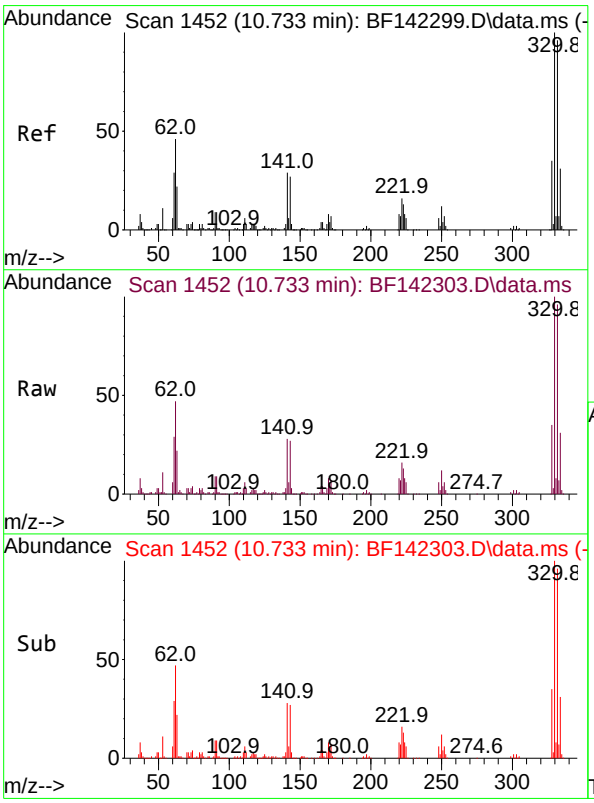
Ion	Ratio	Lower	Upper
237	100		
235	62.4	42.8	82.8
272	13.3	0.0	33.0



Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Manual Integrations
APPROVED

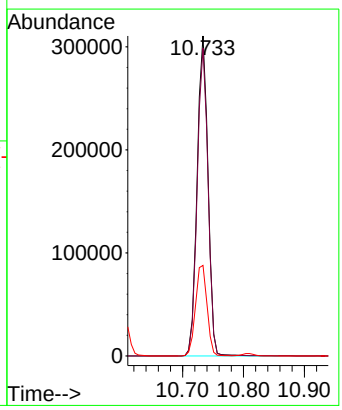
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

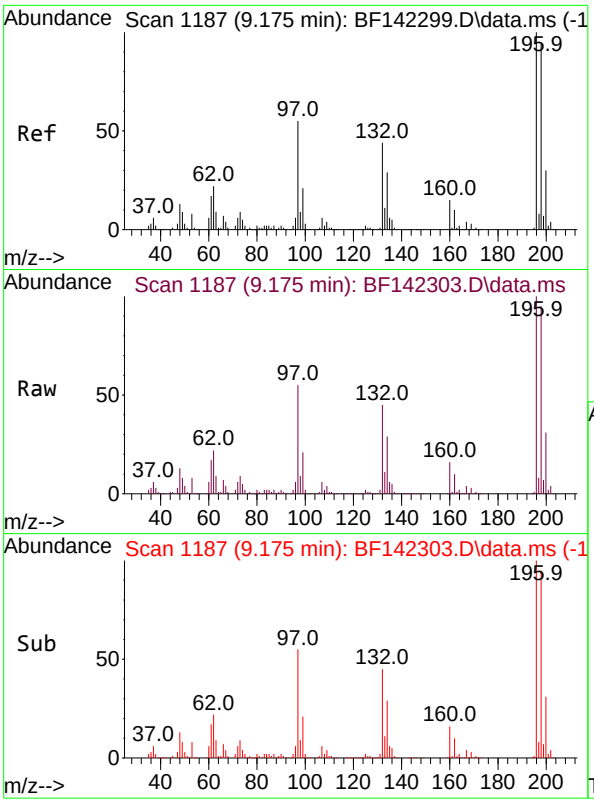


#42
2,4,6-Tribromophenol
Concen: 83.209 ng
RT: 10.733 min Scan# 1452
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:330 Resp: 384712

Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.8	115.2
141	30.1	24.9	37.3

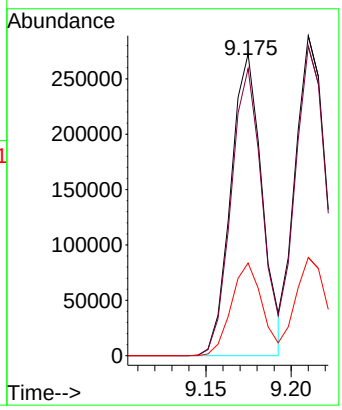




#43
2,4,6-Trichlorophenol
Concen: 41.212 ng
RT: 9.175 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:196 Resp: 34767

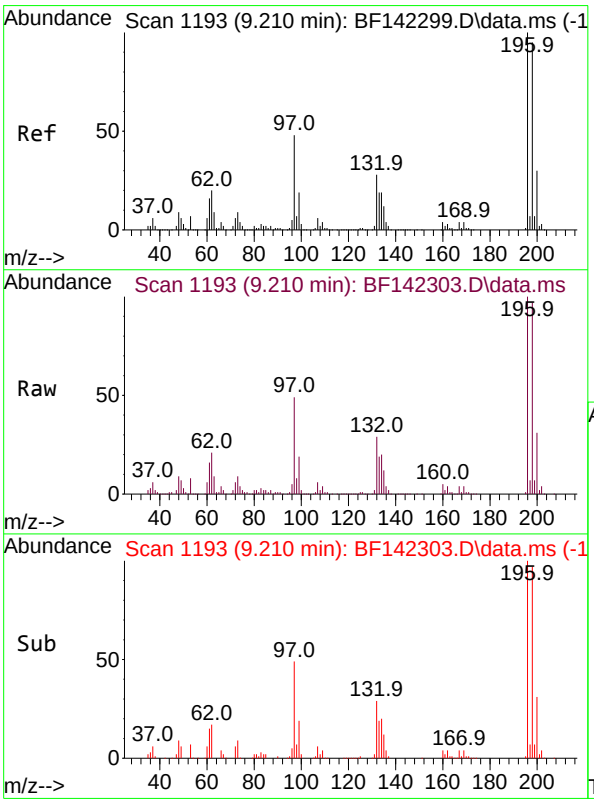
Ion	Ratio	Lower	Upper
196	100		
198	95.2	75.4	113.0
200	30.7	24.3	36.5



Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Manual Integrations
APPROVED

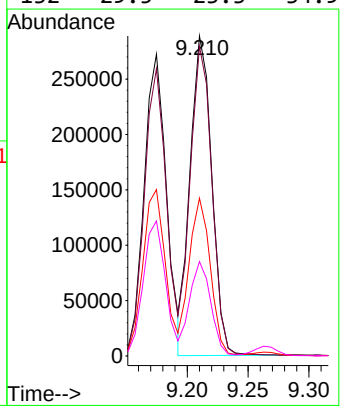
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

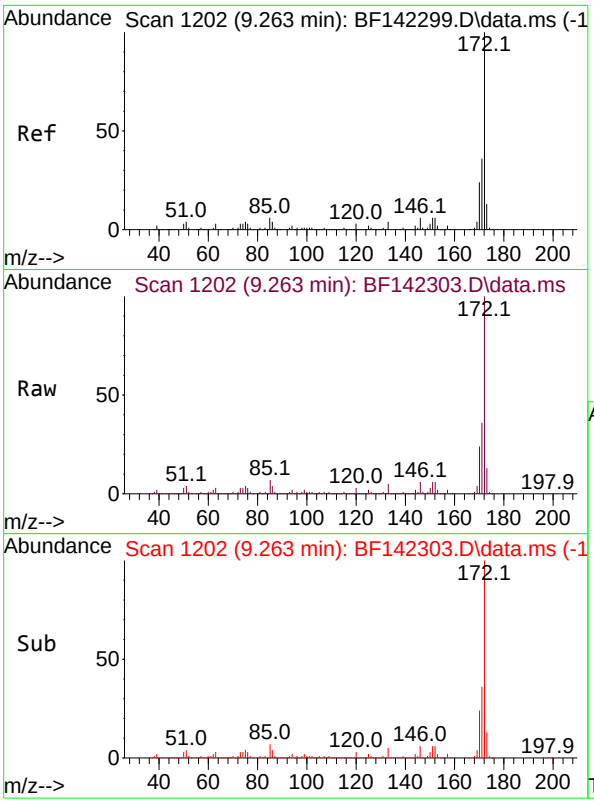


#44
2,4,5-Trichlorophenol
Concen: 39.886 ng
RT: 9.210 min Scan# 1193
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:196 Resp: 358022

Ion	Ratio	Lower	Upper
196	100		
198	96.8	76.1	114.1
97	49.3	39.0	58.4
132	29.5	23.3	34.9

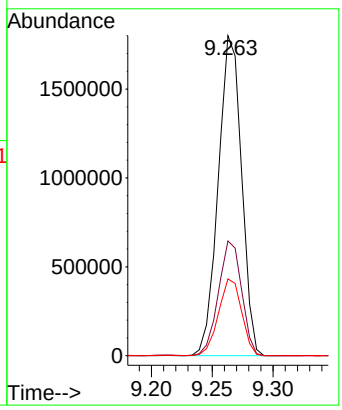




#45
2-Fluorobiphenyl
Concen: 71.371 ng
RT: 9.263 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:172 Resp: 239696

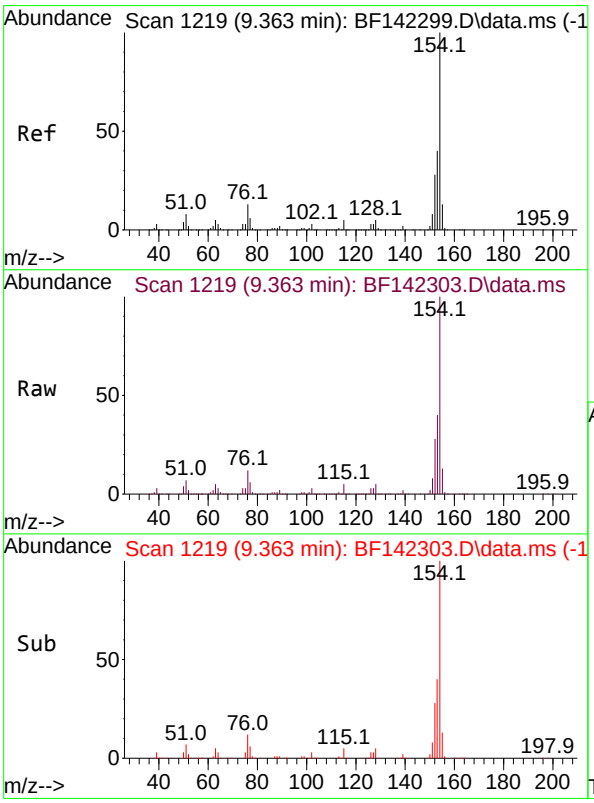
Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	42.8
170	24.0	19.0	28.4



Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Manual Integrations
APPROVED

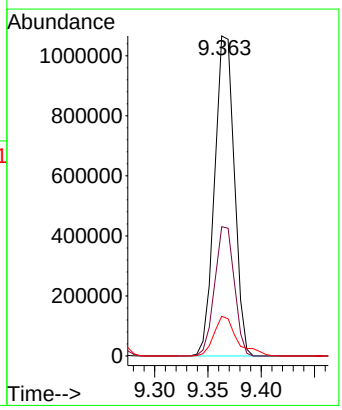
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

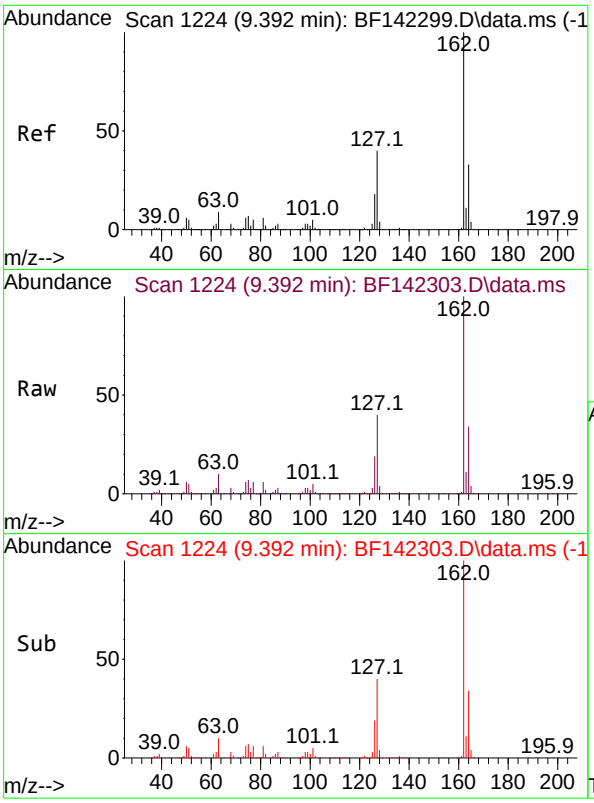


#46
1,1'-Biphenyl
Concen: 37.283 ng
RT: 9.363 min Scan# 1219
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:154 Resp: 1368945

Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.5	60.5
76	12.4	0.0	32.8

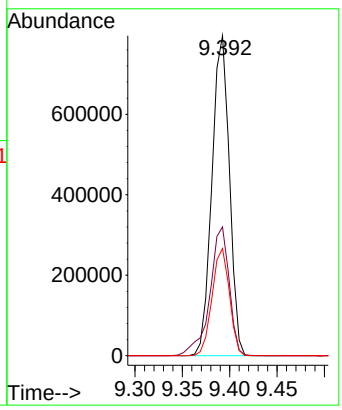




#47
2-Chloronaphthalene
Concen: 37.323 ng
RT: 9.392 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:162 Resp: 101913

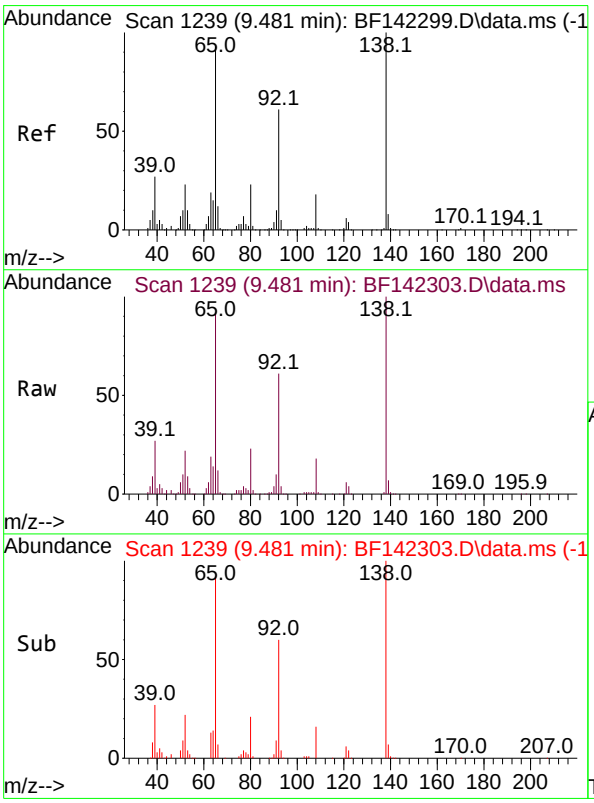
Ion	Ratio	Lower	Upper
162	100		
127	40.3	32.3	48.5
164	33.5	26.6	40.0



Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Manual Integrations
APPROVED

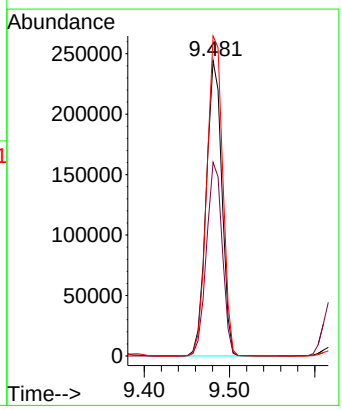
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

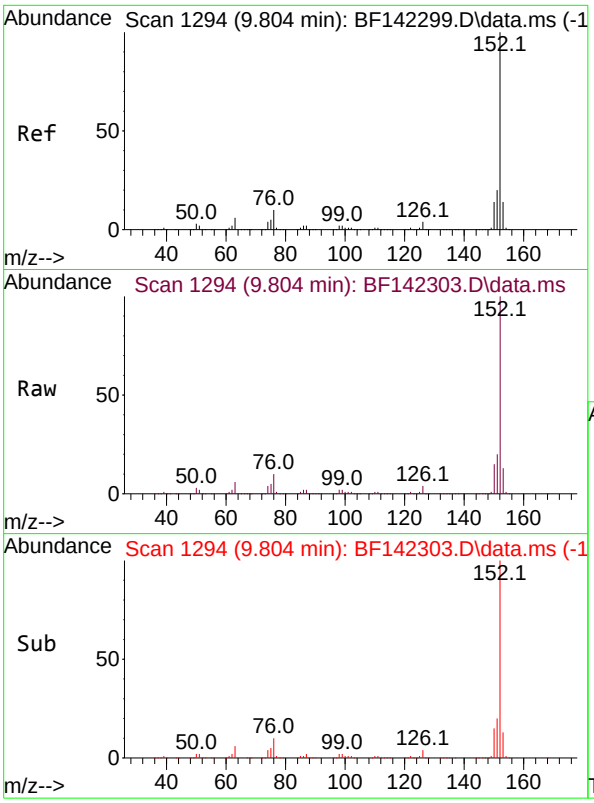


#48
2-Nitroaniline
Concen: 44.681 ng
RT: 9.481 min Scan# 1239
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion: 65 Resp: 312727

Ion	Ratio	Lower	Upper
65	100		
92	65.6	52.3	78.5
138	108.3	85.6	128.4

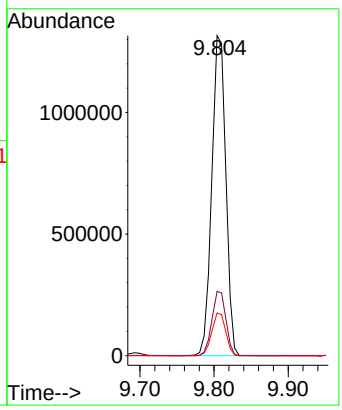




#49
Acenaphthylene
Concen: 37.833 ng
RT: 9.804 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:152 Resp: 172816

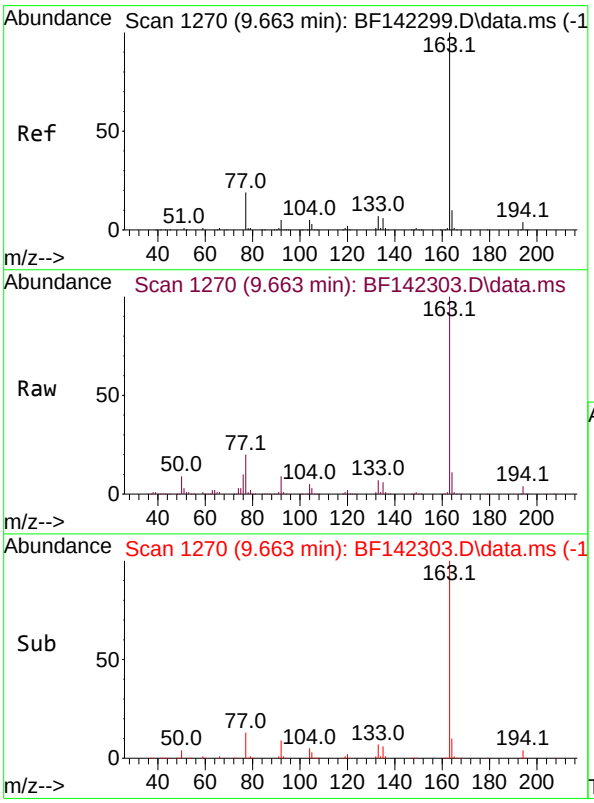
Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.0	24.0
153	13.4	10.8	16.2



Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Manual Integrations APPROVED

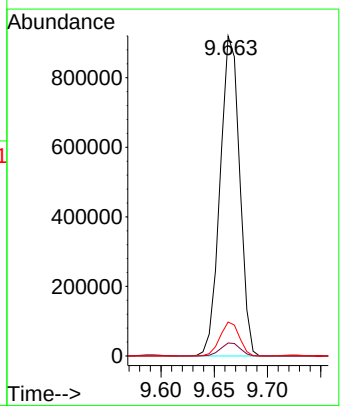
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

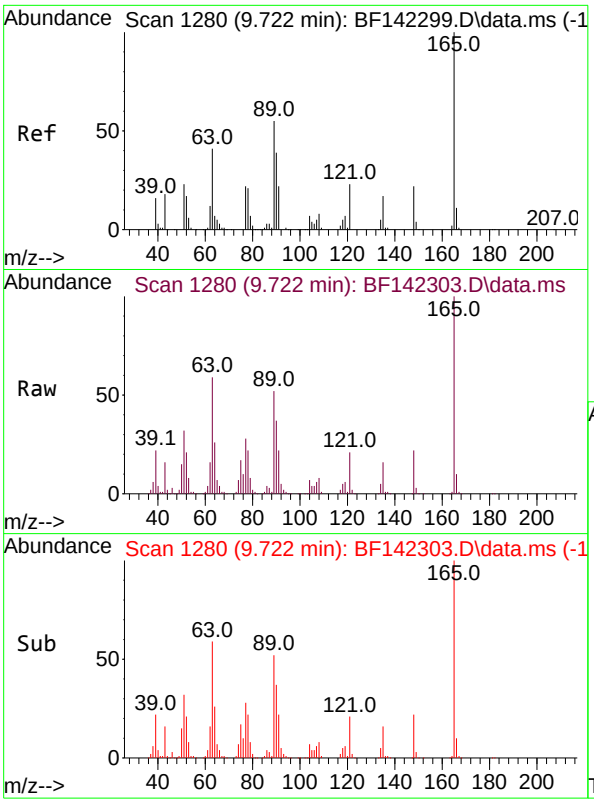


#50
Dimethylphthalate
Concen: 38.154 ng
RT: 9.663 min Scan# 1270
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:163 Resp: 1173252

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.2	4.8
164	10.6	8.3	12.5

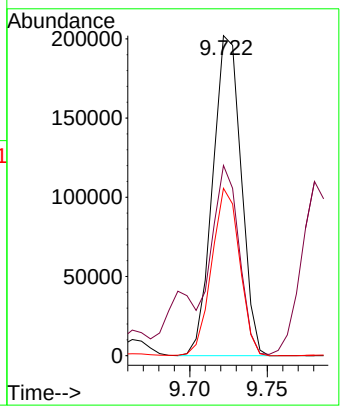




#51
2,6-Dinitrotoluene
Concen: 44.788 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:165 Resp: 25779

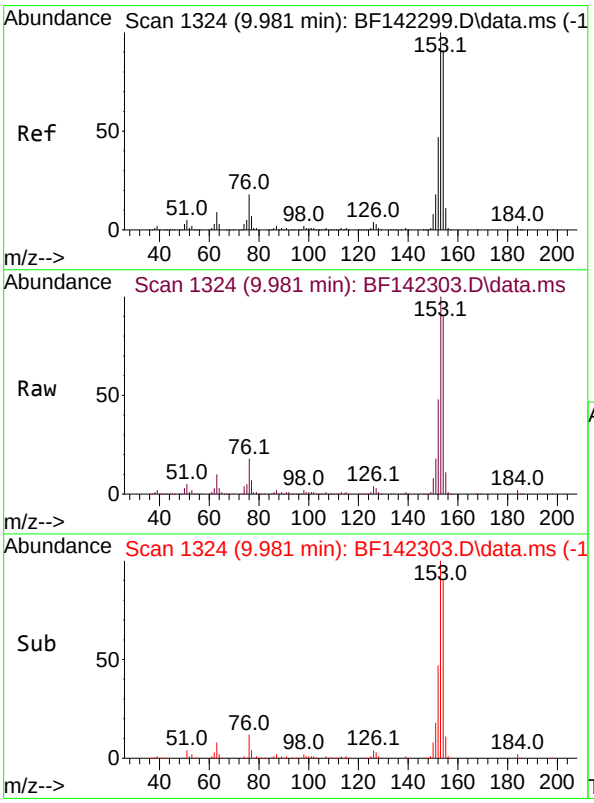
Ion	Ratio	Lower	Upper
165	100		
63	59.5	49.5	74.3
89	52.3	44.6	66.8



Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Manual Integrations
APPROVED

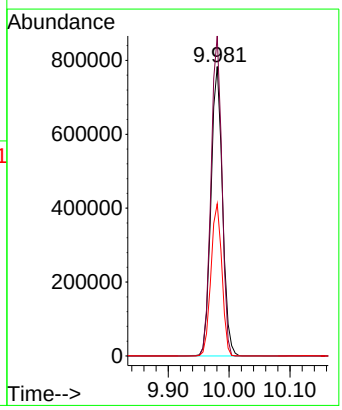
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

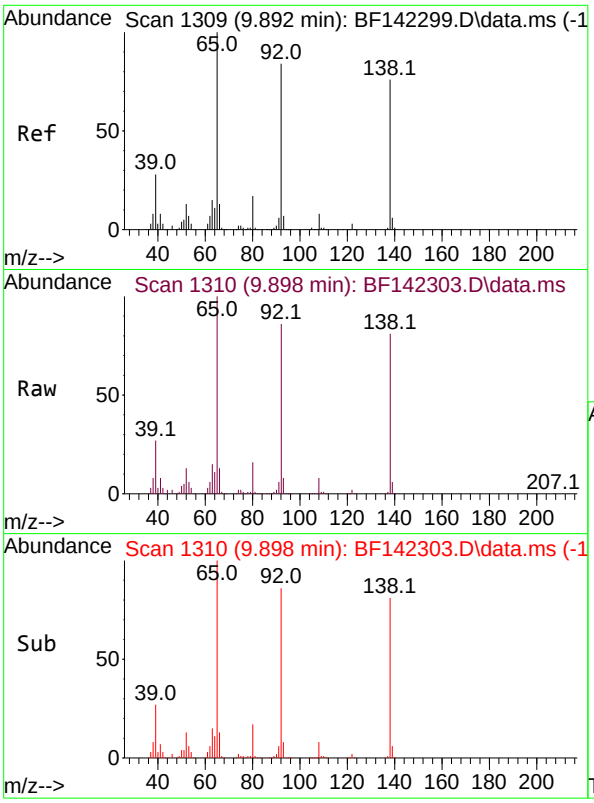


#52
Acenaphthene
Concen: 37.495 ng
RT: 9.981 min Scan# 1324
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:154 Resp: 1029833

Ion	Ratio	Lower	Upper
154	100		
153	110.6	88.0	132.0
152	52.6	41.6	62.4

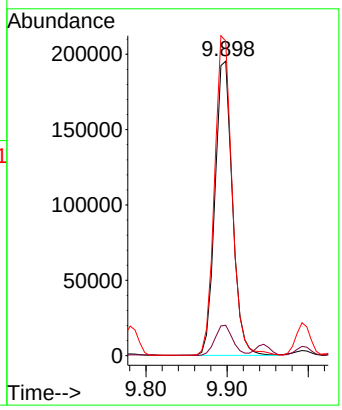




#53
3-Nitroaniline
Concen: 43.190 ng
RT: 9.898 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:138 Resp: 29155

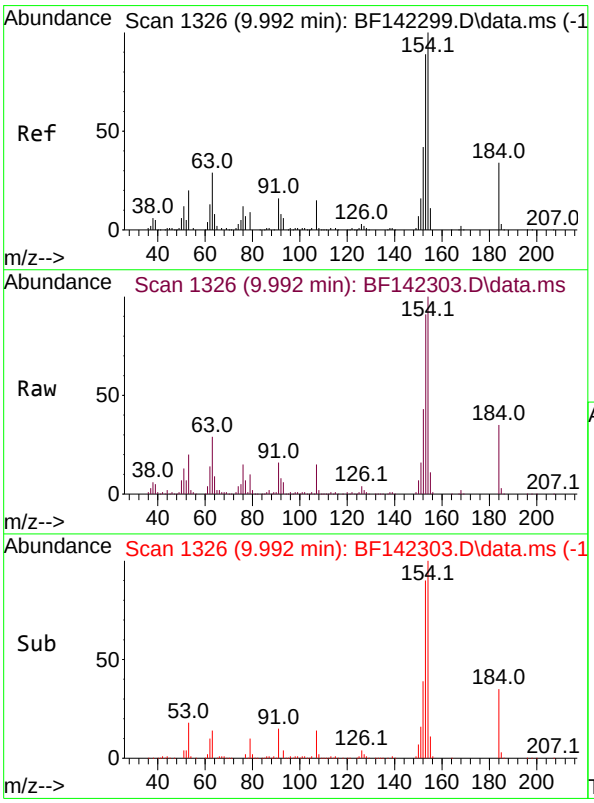
Ion	Ratio	Lower	Upper
138	100		
108	10.3	8.7	13.1
92	106.7	89.5	134.3



Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Manual Integrations
APPROVED

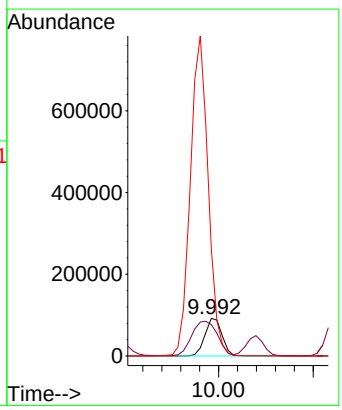
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

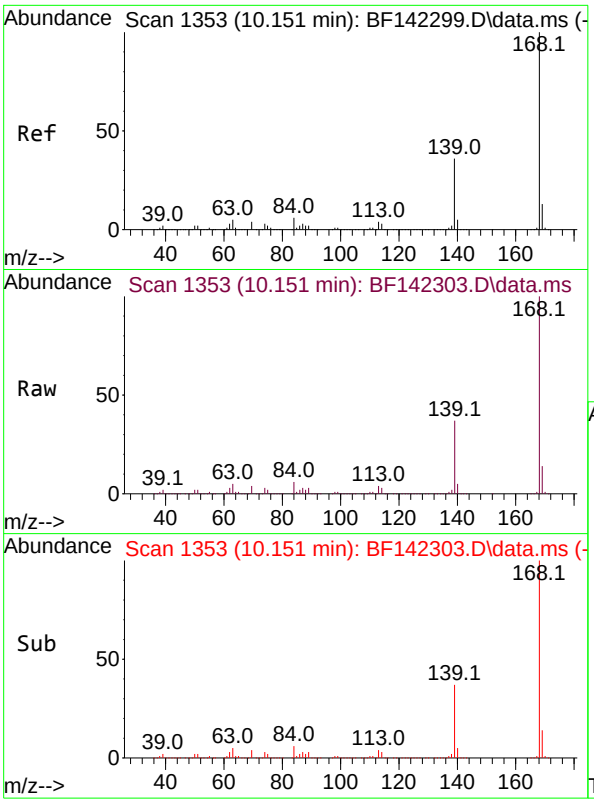


#54
2,4-Dinitrophenol
Concen: 42.149 ng
RT: 9.992 min Scan# 1326
Delta R.T. 0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:184 Resp: 114850

Ion	Ratio	Lower	Upper
184	100		
63	83.6	70.6	105.8
154	285.8	257.2	385.8

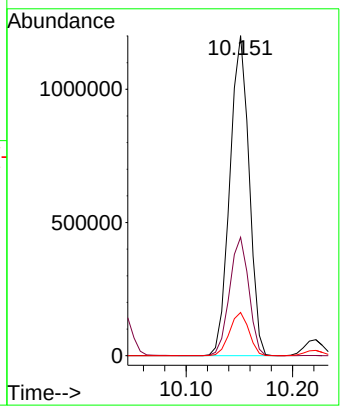




#55
Dibenzofuran
Concen: 37.158 ng
RT: 10.151 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:168 Resp: 150618

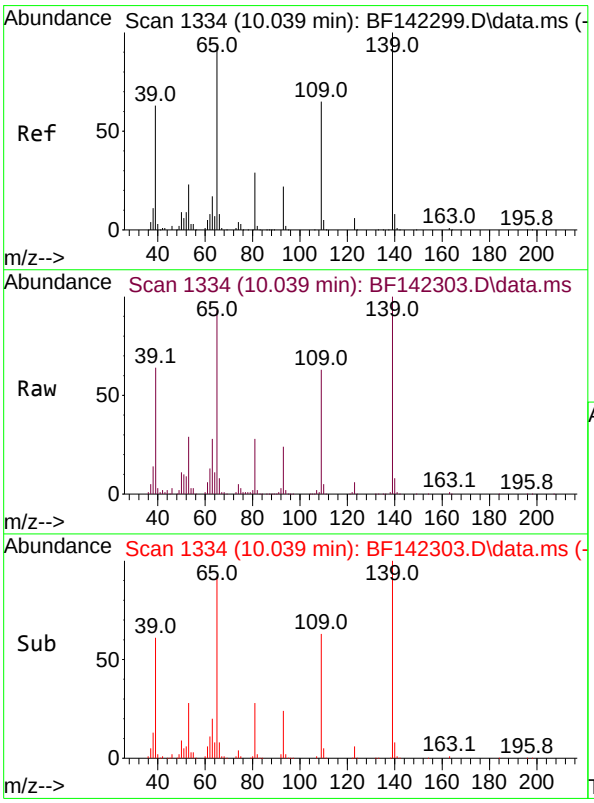
Ion	Ratio	Lower	Upper
168	100		
139	37.0	29.0	43.4
169	13.5	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Manual Integrations
APPROVED

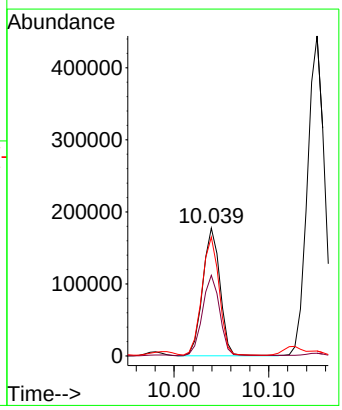
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

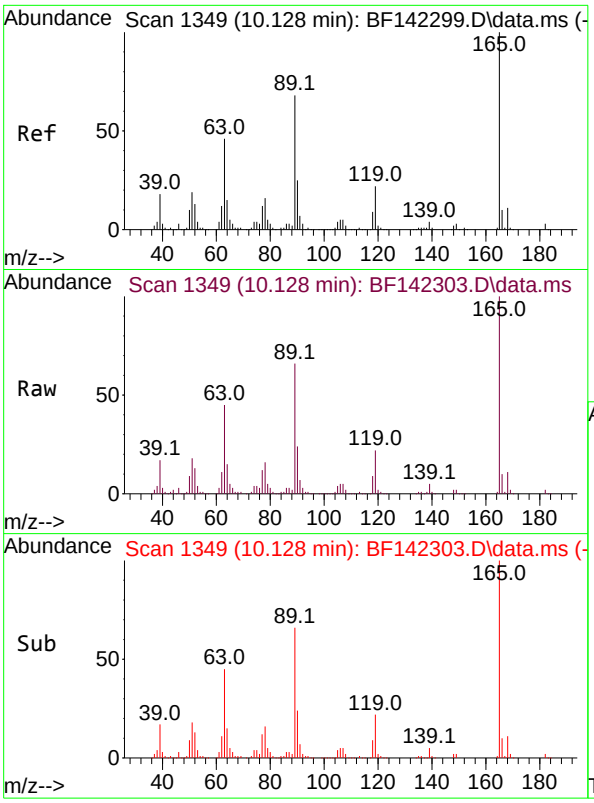


#56
4-Nitrophenol
Concen: 44.381 ng
RT: 10.039 min Scan# 1334
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:139 Resp: 225481

Ion	Ratio	Lower	Upper
139	100		
109	63.1	45.3	85.3
65	93.0	73.9	113.9

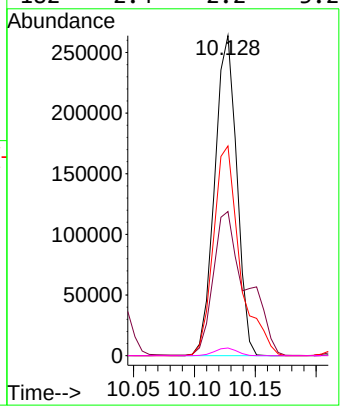




#57
2,4-Dinitrotoluene
Concen: 45.248 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:165 Resp: 33407

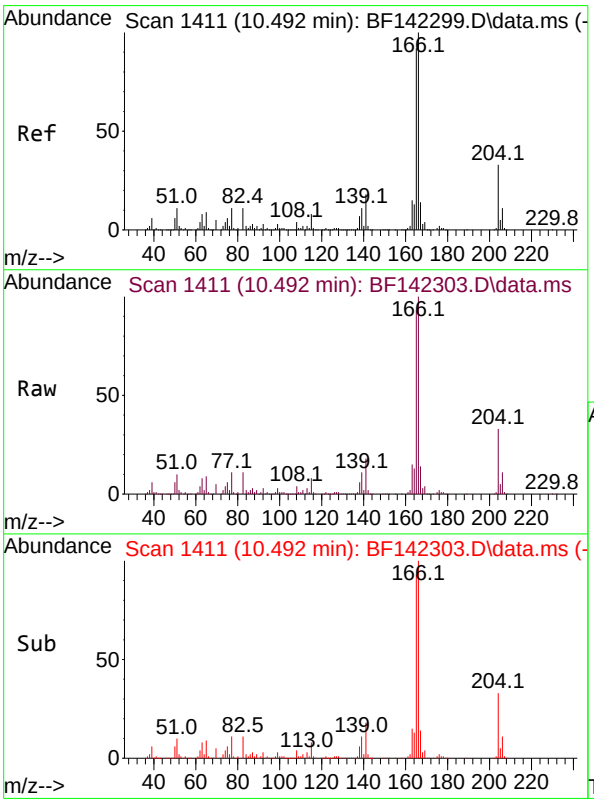
Ion	Ratio	Lower	Upper
165	100		
63	45.0	37.1	55.7
89	65.5	54.4	81.6
182	2.4	2.2	3.2



Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Manual Integrations APPROVED

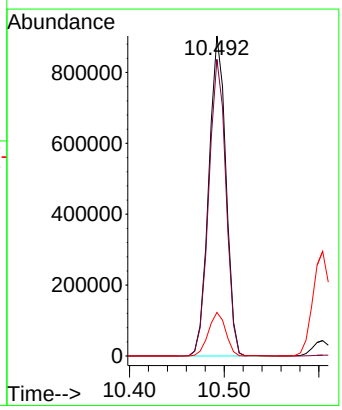
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

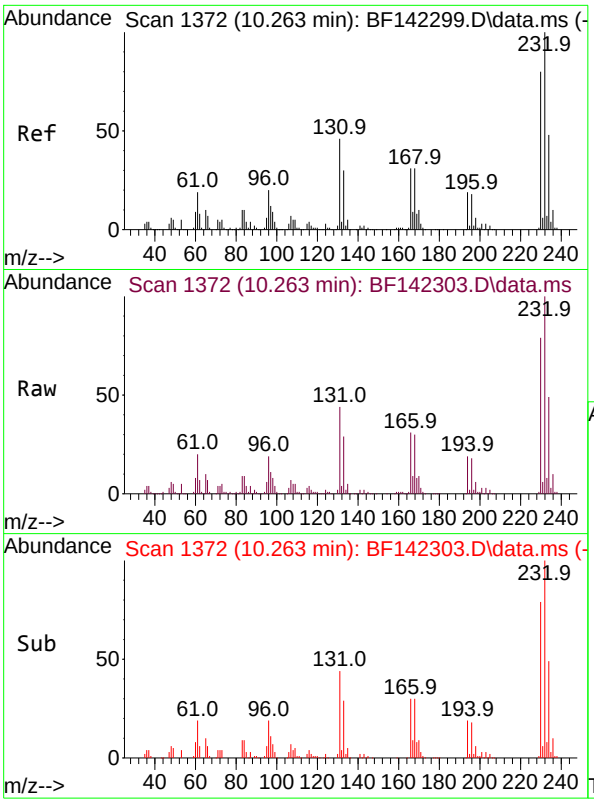


#58
Fluorene
Concen: 36.712 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:166 Resp: 1135685

Ion	Ratio	Lower	Upper
166	100		
165	92.7	74.0	111.0
167	13.6	10.9	16.3

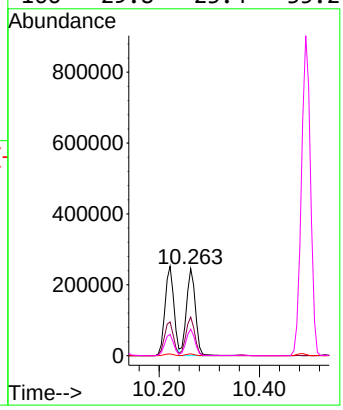




#59
2,3,4,6-Tetrachlorophenol
Concen: 41.630 ng
RT: 10.263 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:232 Resp: 30847

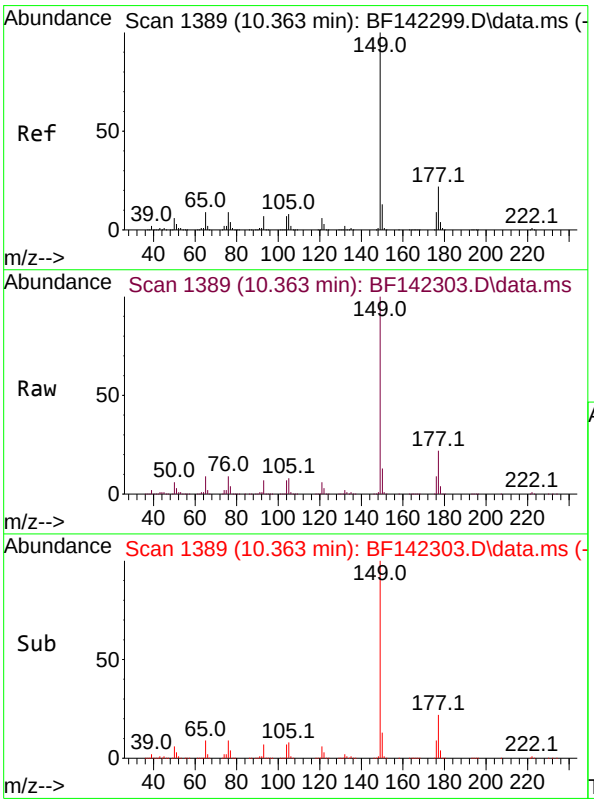
Ion	Ratio	Lower	Upper
232	100		
131	44.2	36.0	54.0
130	2.0	1.8	2.6
166	29.8	23.4	35.2



Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Manual Integrations
APPROVED

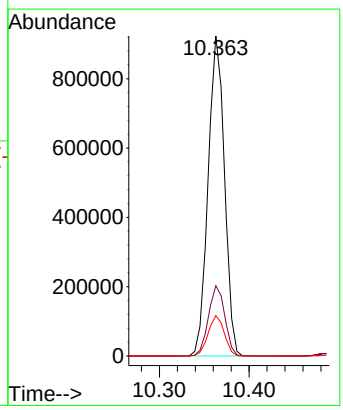
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

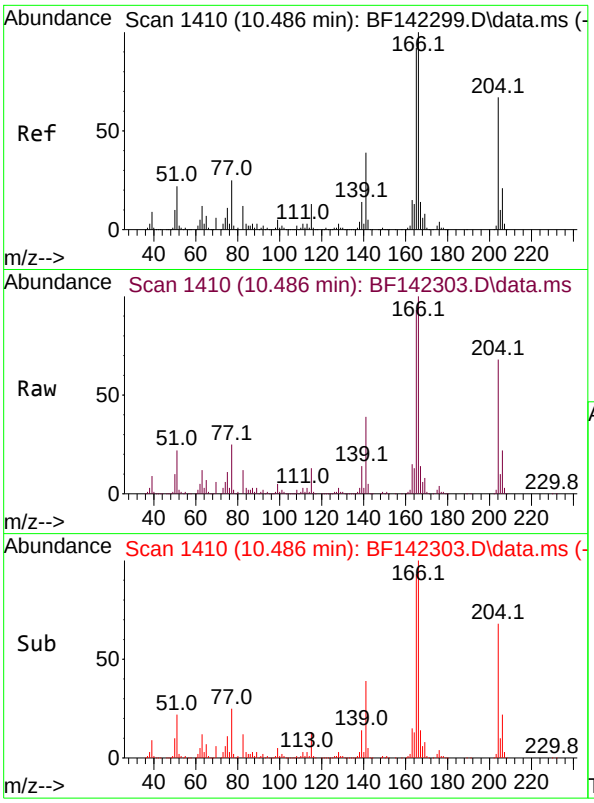


#60
Diethylphthalate
Concen: 38.064 ng
RT: 10.363 min Scan# 1389
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:149 Resp: 1168902

Ion	Ratio	Lower	Upper
149	100		
177	22.0	17.6	26.4
150	12.6	10.1	15.1





#61
4-Chlorophenyl-phenylether
Concen: 36.826 ng
RT: 10.486 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

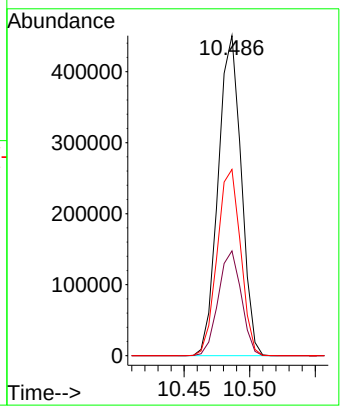
Tgt Ion:204 Resp: 54961(

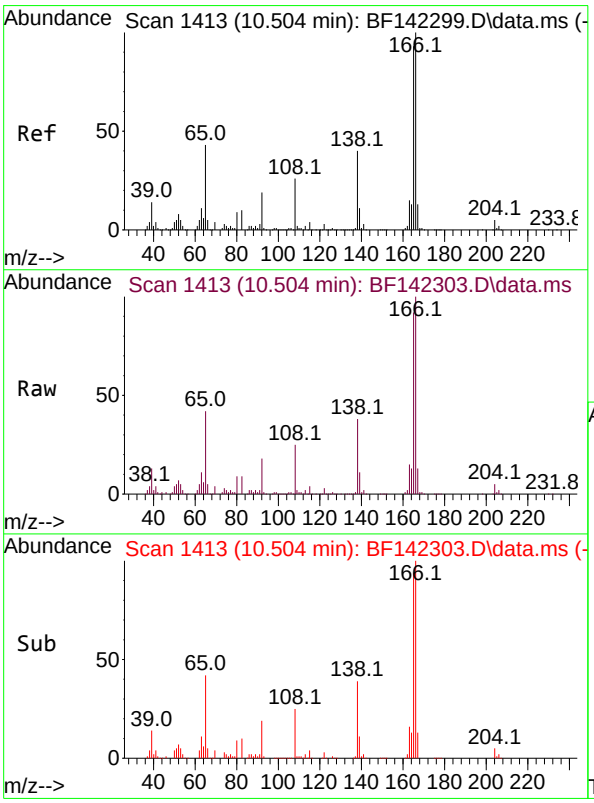
Ion	Ratio	Lower	Upper
204	100		
206	32.8	25.5	38.3
141	58.2	46.4	69.6

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

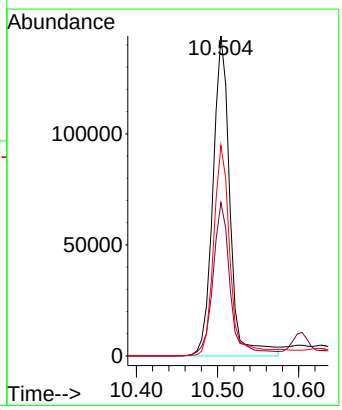


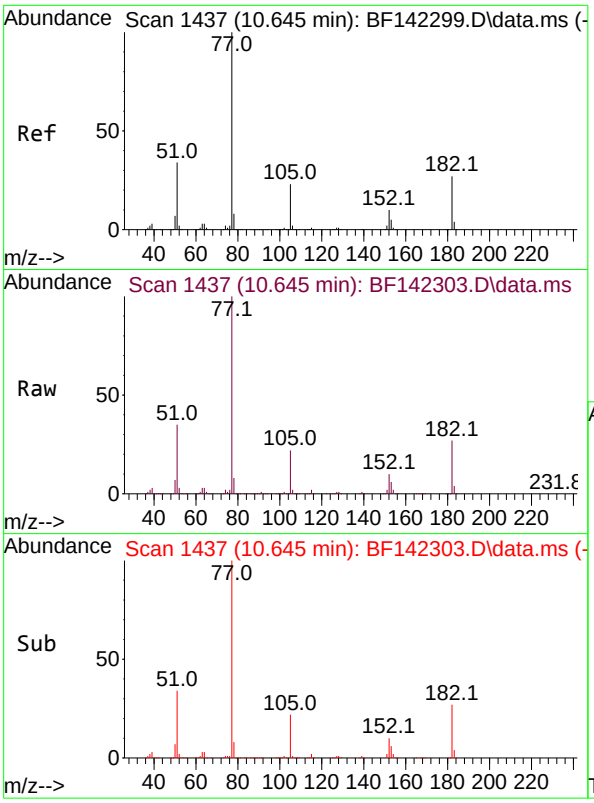


#62
4-Nitroaniline
Concen: 39.327 ng
RT: 10.504 min Scan# 1413
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:138 Resp: 210408

Ion	Ratio	Lower	Upper
138	100		
92	47.9	27.3	67.3
108	65.8	45.1	85.1

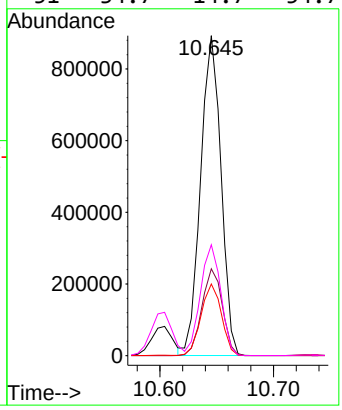




#63
Azobenzene
Concen: 37.908 ng
RT: 10.645 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion: 77 Resp: 111239

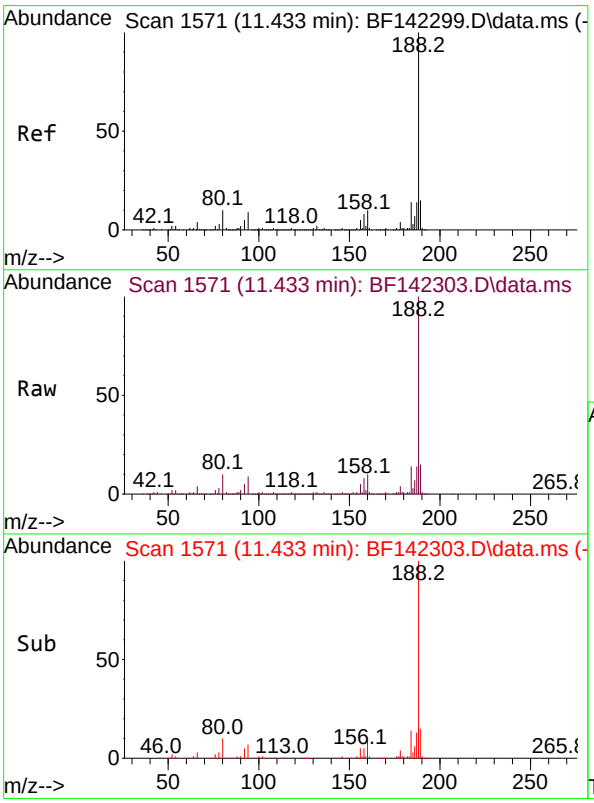
Ion	Ratio	Lower	Upper
77	100		
182	27.2	6.9	46.9
105	22.4	2.7	42.7
51	34.7	14.7	54.7



Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Manual Integrations APPROVED

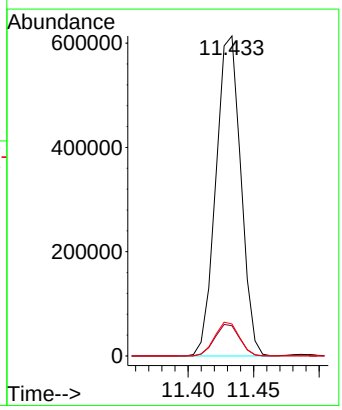
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

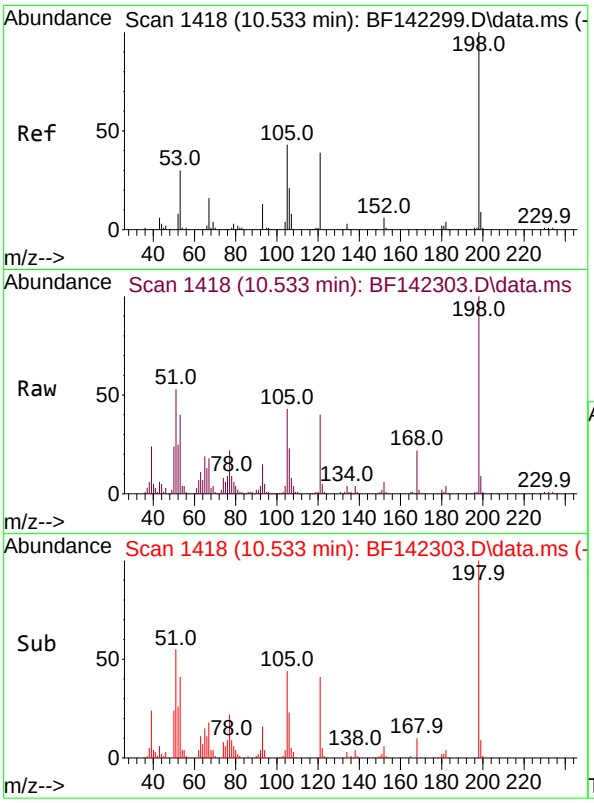


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:188 Resp: 810843

Ion	Ratio	Lower	Upper
188	100		
94	9.5	7.5	11.3
80	10.0	7.9	11.9





#65
4,6-Dinitro-2-methylphenol
Concen: 41.574 ng
RT: 10.533 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

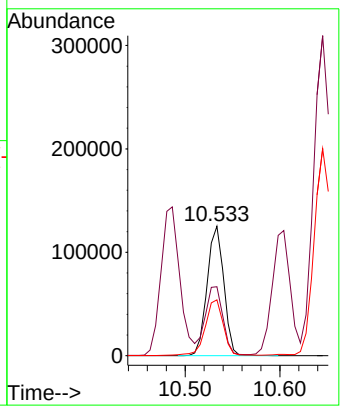
Tgt Ion:198 Resp: 15286

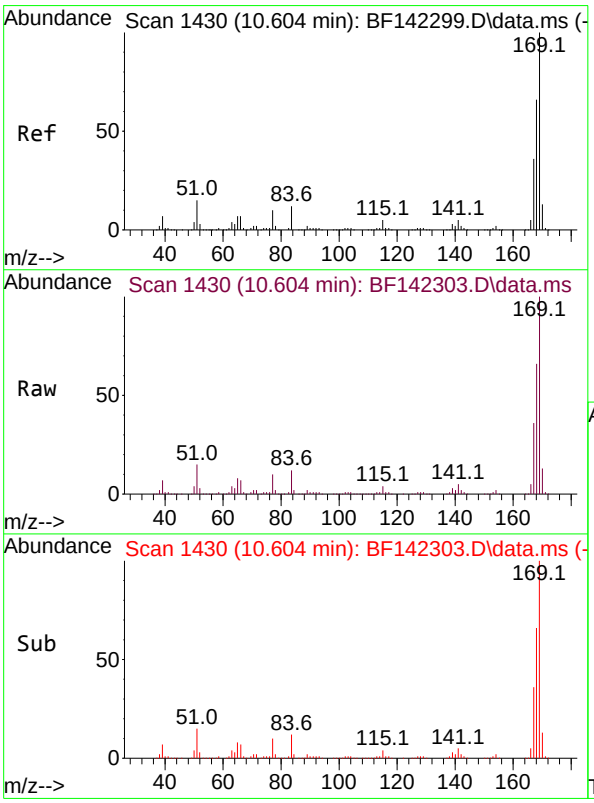
Ion	Ratio	Lower	Upper
198	100		
51	53.3	32.9	72.9
105	43.1	23.7	63.7

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

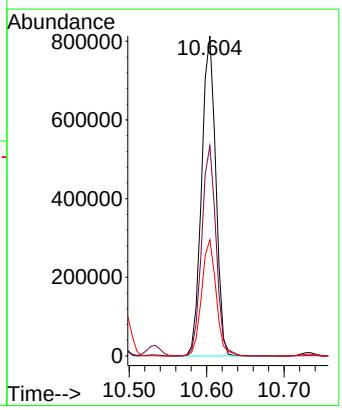


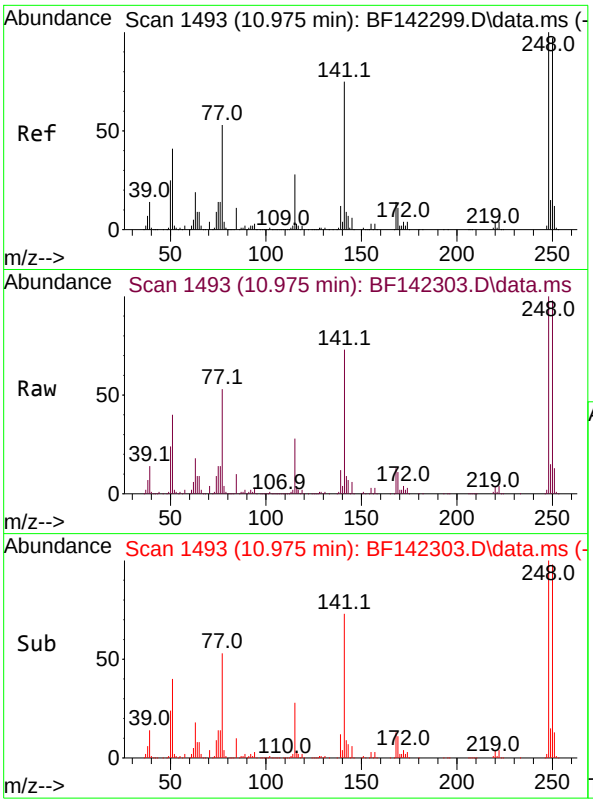


#66
n-Nitrosodiphenylamine
Concen: 38.096 ng
RT: 10.604 min Scan# 1430
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:169 Resp: 1027891

Ion	Ratio	Lower	Upper
169	100		
168	65.7	53.2	79.8
167	36.3	28.9	43.3





#67
4-Bromophenyl-phenylether
Concen: 38.308 ng
RT: 10.975 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

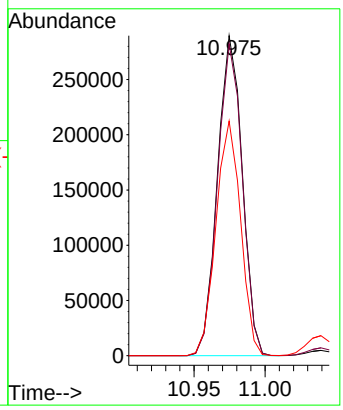
Instrument :
BNA_F
ClientSampleId :
ICVBF050525

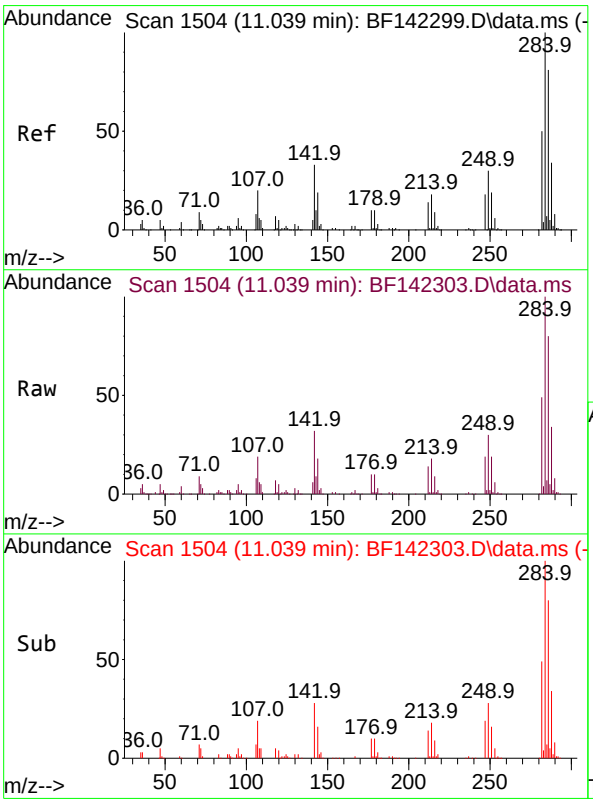
Tgt Ion:248 Resp: 35203

Ion	Ratio	Lower	Upper
248	100		
250	97.5	77.9	116.9
141	73.3	59.8	89.8

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

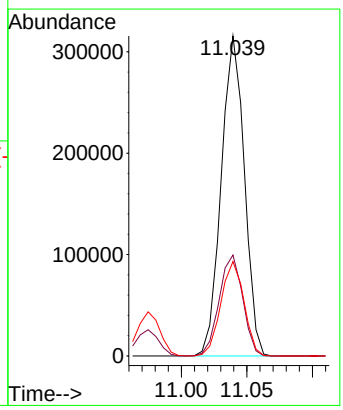


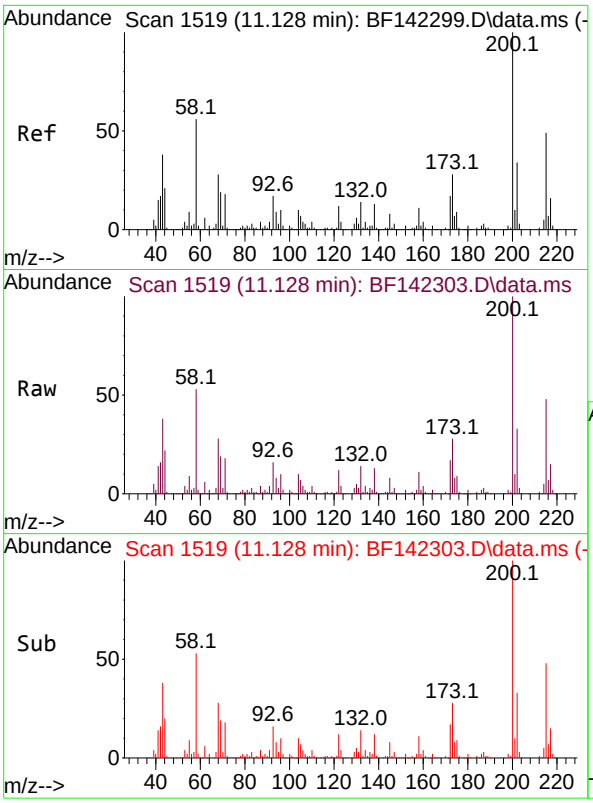


#68
Hexachlorobenzene
Concen: 38.273 ng
RT: 11.039 min Scan# 1504
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:284 Resp: 386876

Ion	Ratio	Lower	Upper
284	100		
142	31.5	26.6	39.8
249	29.5	24.1	36.1

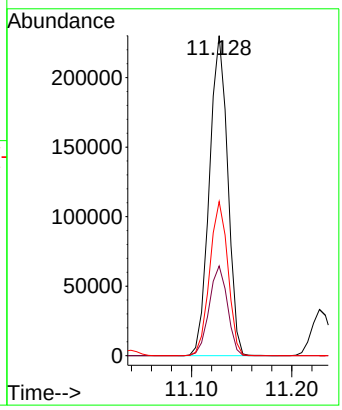




#69
Atrazine
Concen: 41.032 ng
RT: 11.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:200 Resp: 29183

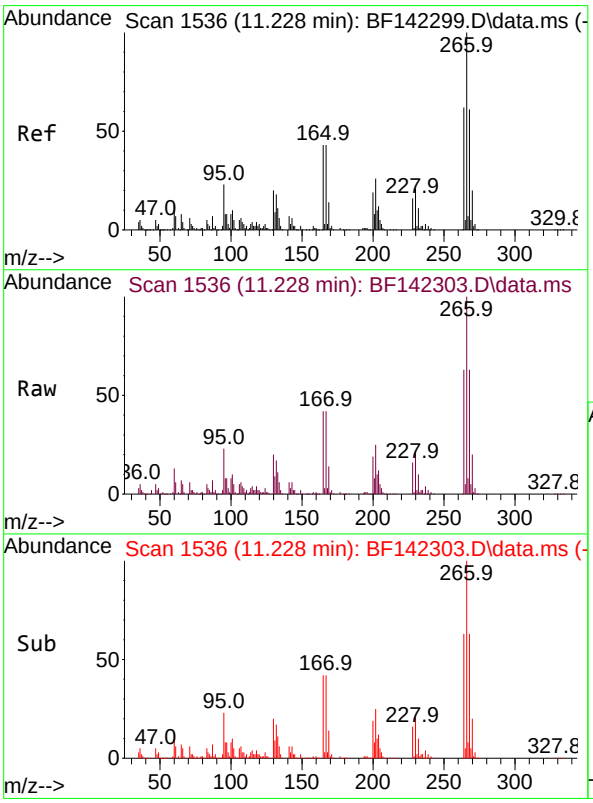
Ion	Ratio	Lower	Upper
200	100		
173	28.0	8.1	48.1
215	48.2	28.8	68.8



Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Manual Integrations APPROVED

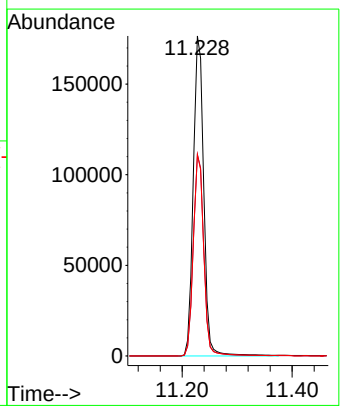
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

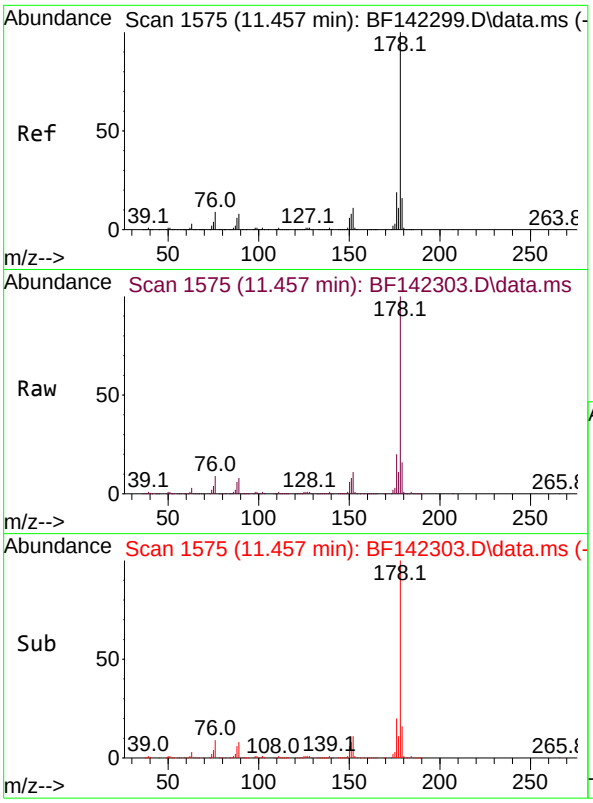


#70
Pentachlorophenol
Concen: 43.855 ng
RT: 11.228 min Scan# 1536
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:266 Resp: 233208

Ion	Ratio	Lower	Upper
266	100		
268	62.9	48.7	73.1
264	62.9	49.8	74.6

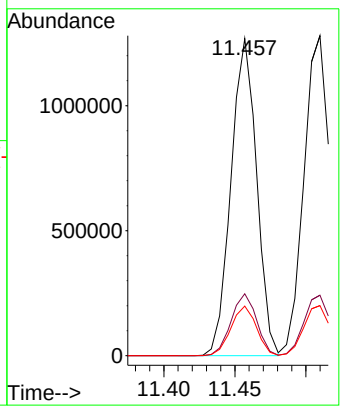




#71
Phenanthrene
Concen: 37.441 ng
RT: 11.457 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:178 Resp: 159131

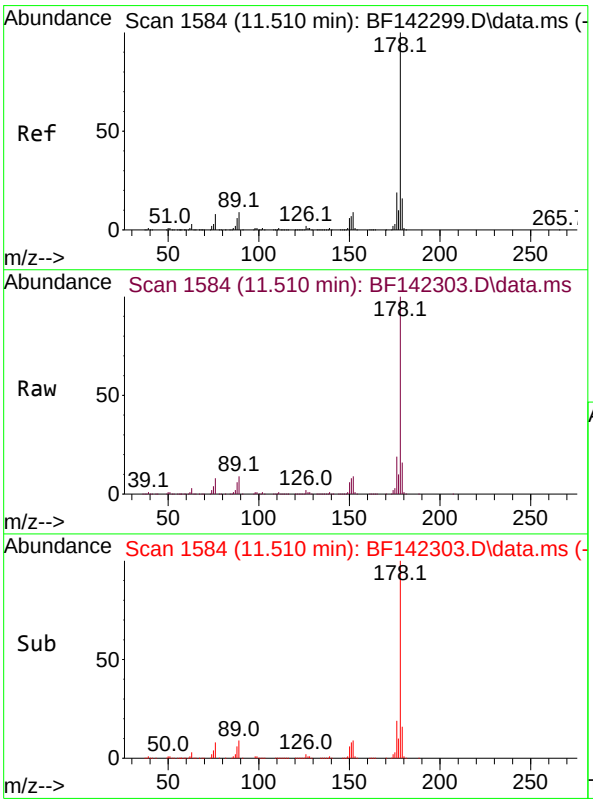
Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.5	23.3
179	15.6	12.6	18.8



Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Manual Integrations APPROVED

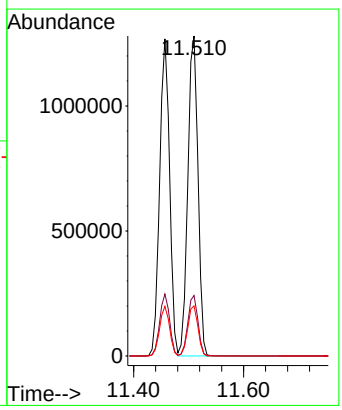
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

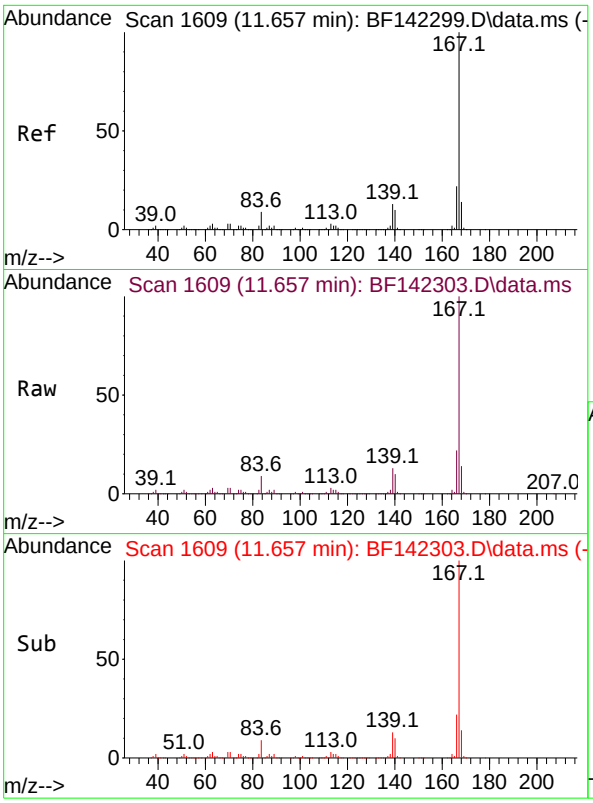


#72
Anthracene
Concen: 37.410 ng
RT: 11.510 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:178 Resp: 1633756

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	15.7	12.6	18.8

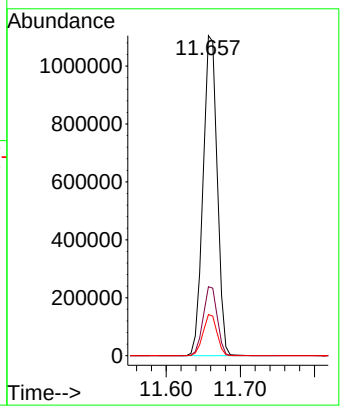




#73
Carbazole
Concen: 37.428 ng
RT: 11.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:167 Resp: 146643

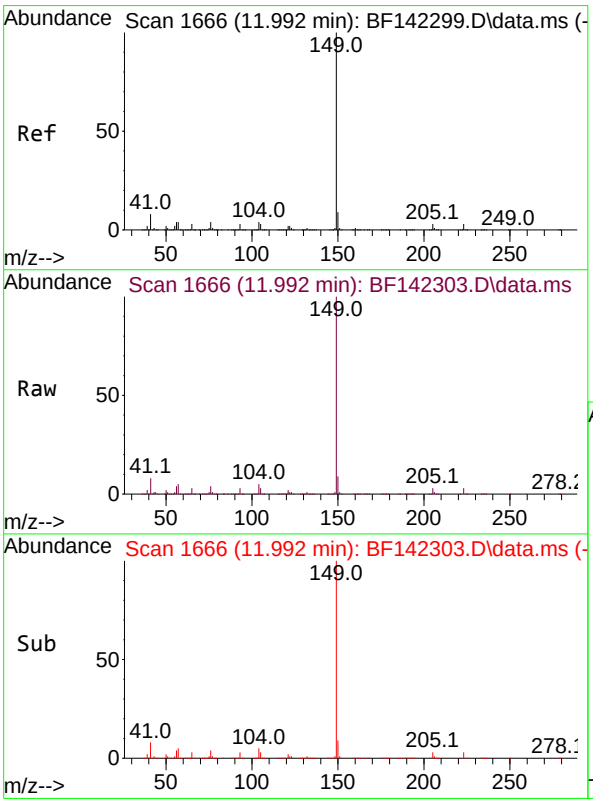
Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.2	25.8
139	12.9	10.3	15.5



Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Manual Integrations
APPROVED

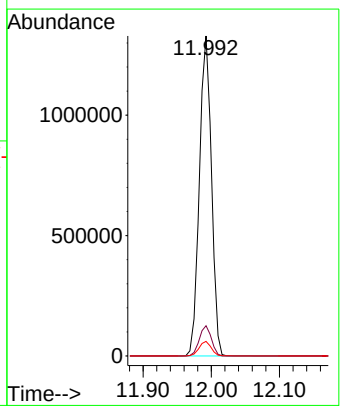
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

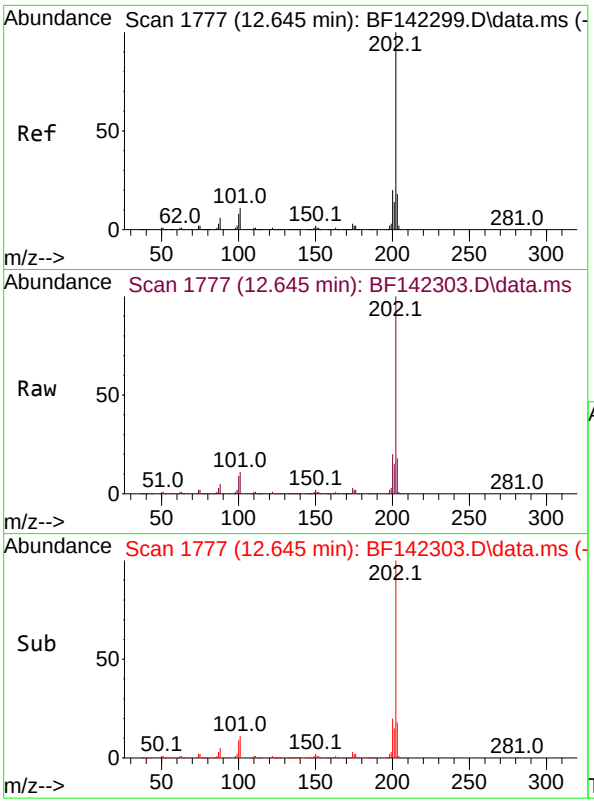


#74
Di-n-butylphthalate
Concen: 39.694 ng
RT: 11.992 min Scan# 1666
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:149 Resp: 1635344

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.5	11.3
104	4.5	3.6	5.4

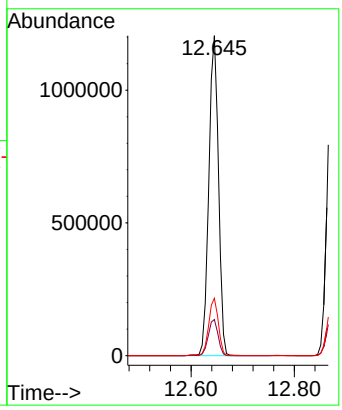




#75
Fluoranthene
Concen: 36.731 ng
RT: 12.645 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:202 Resp: 156055

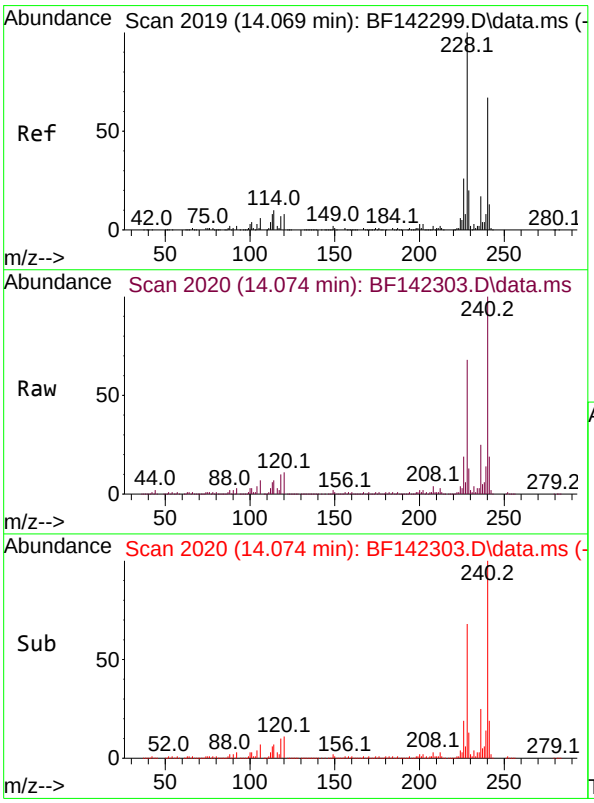
Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	31.4
203	18.0	0.0	37.9



Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Manual Integrations
APPROVED

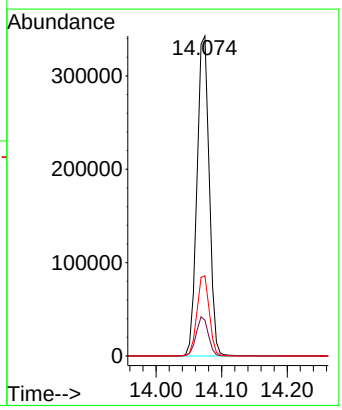
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

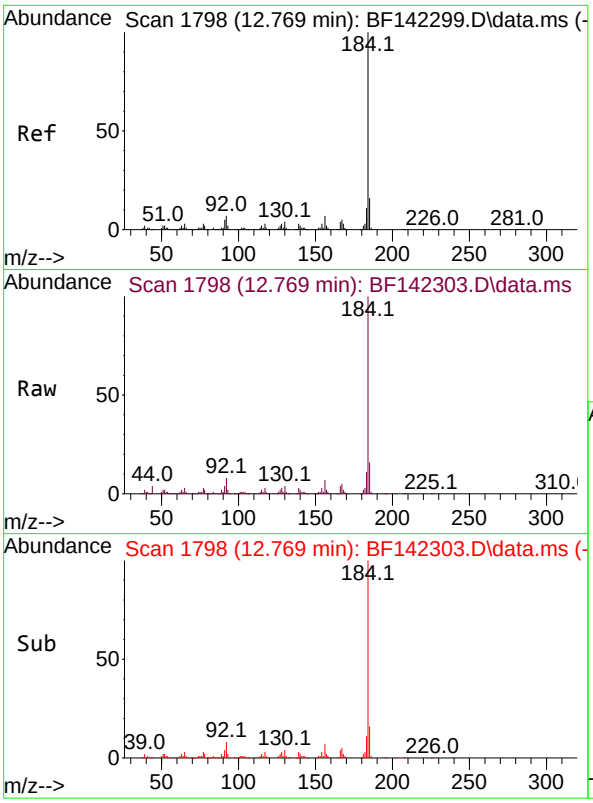


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:240 Resp: 446151

Ion	Ratio	Lower	Upper
240	100		
120	11.2	9.7	14.5
236	25.1	20.0	30.0

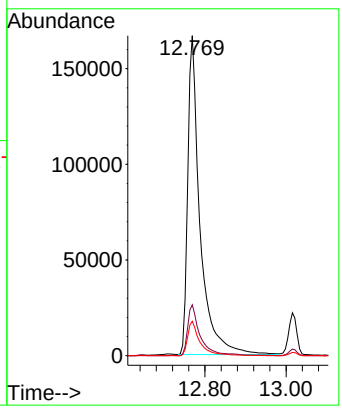




#77
Benzidine
Concen: 43.136 ng
RT: 12.769 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:184 Resp: 34974

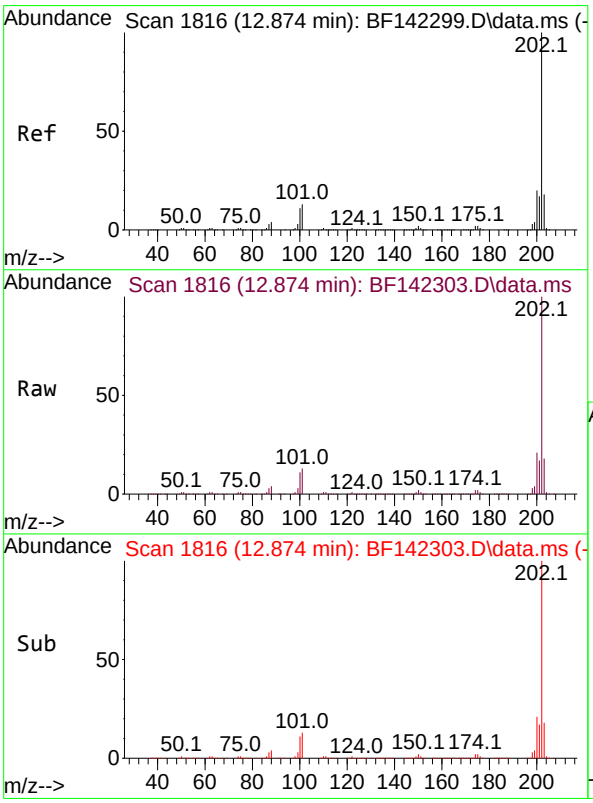
Ion	Ratio	Lower	Upper
184	100		
185	15.9	12.6	18.8
183	10.8	8.6	12.8



Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Manual Integrations
APPROVED

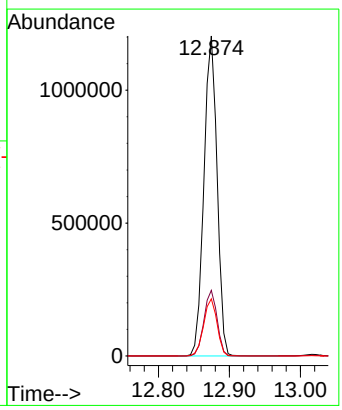
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

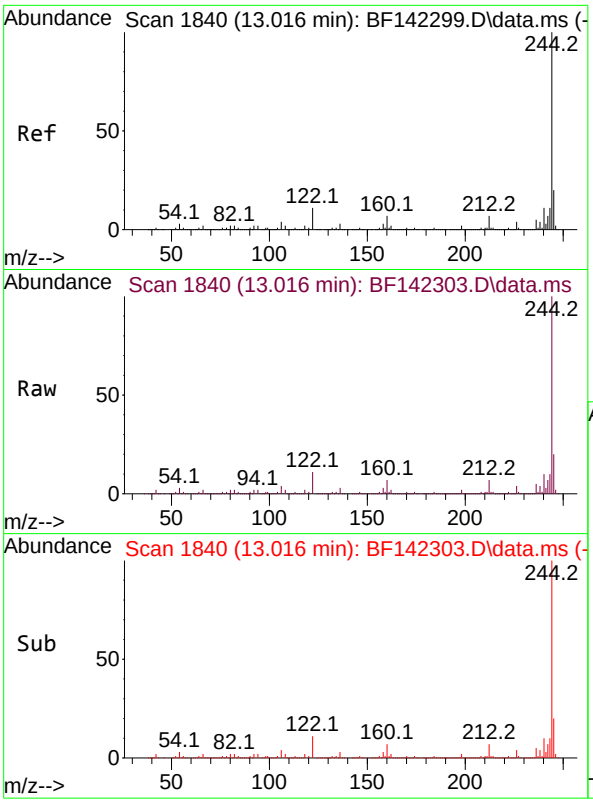


#78
Pyrene
Concen: 39.120 ng
RT: 12.874 min Scan# 1816
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:202 Resp: 1553540

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.2	24.4
203	17.9	14.3	21.5

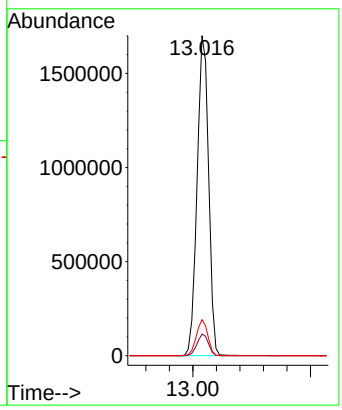




#79
Terphenyl-d14
Concen: 76.366 ng
RT: 13.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:244 Resp: 230192

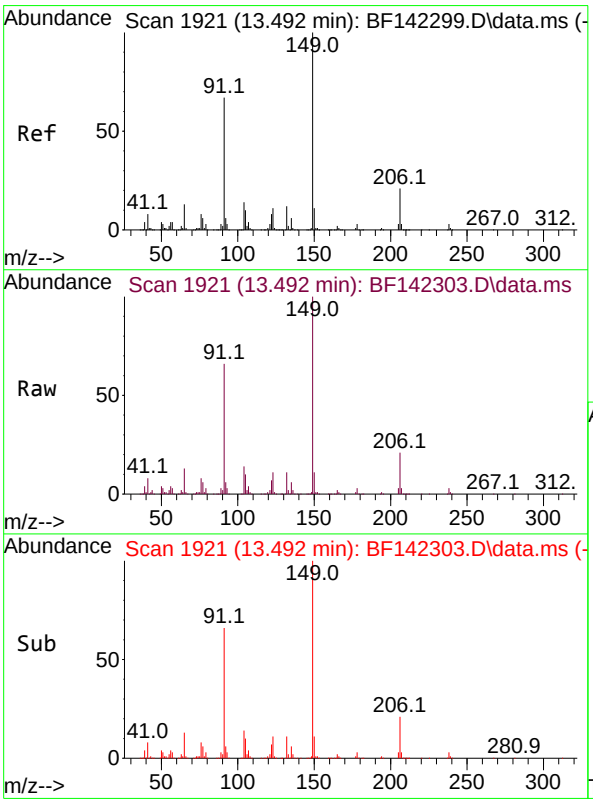
Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.2
122	11.3	9.0	13.4



Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Manual Integrations
APPROVED

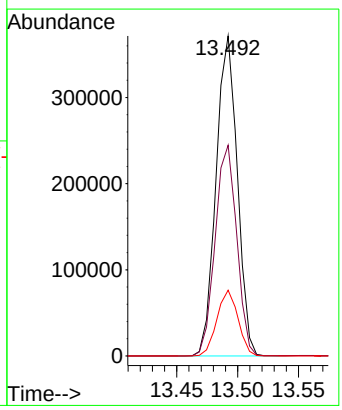
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

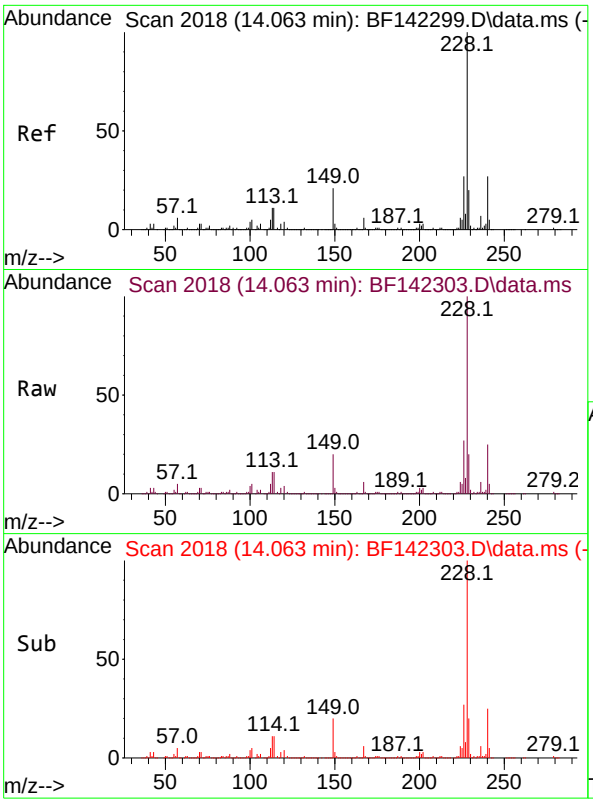


#80
Butylbenzylphthalate
Concen: 39.681 ng
RT: 13.492 min Scan# 1921
Delta R.T. 0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:149 Resp: 451916

Ion	Ratio	Lower	Upper
149	100		
91	65.8	53.8	80.6
206	20.5	16.6	24.8

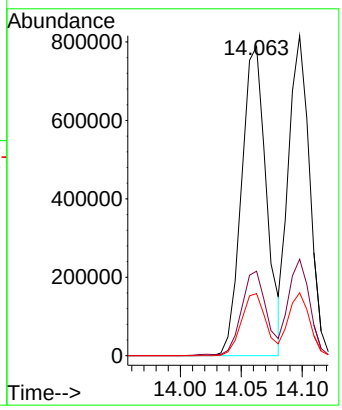




#81
Benzo(a)anthracene
Concen: 38.827 ng
RT: 14.063 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:228 Resp: 112183

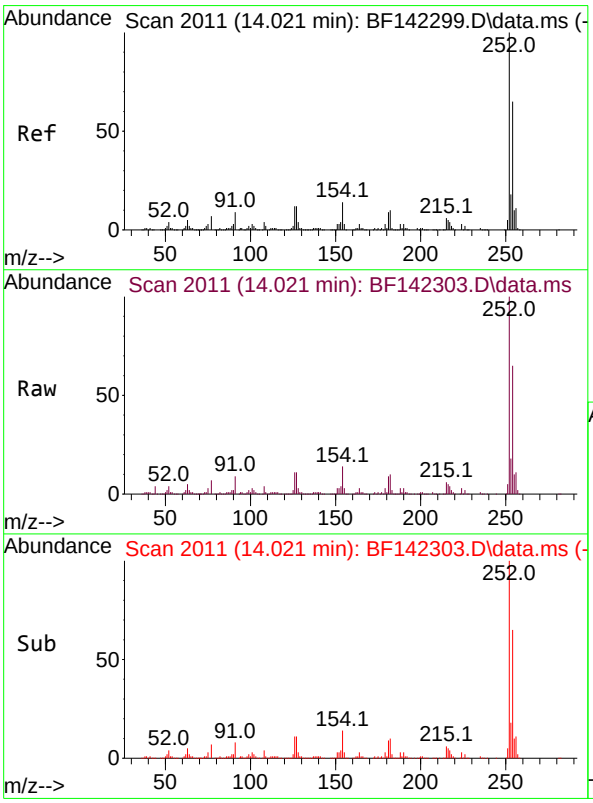
Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.5	32.3
229	20.0	15.9	23.9



Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Manual Integrations APPROVED

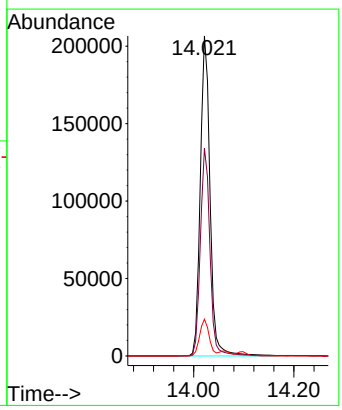
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

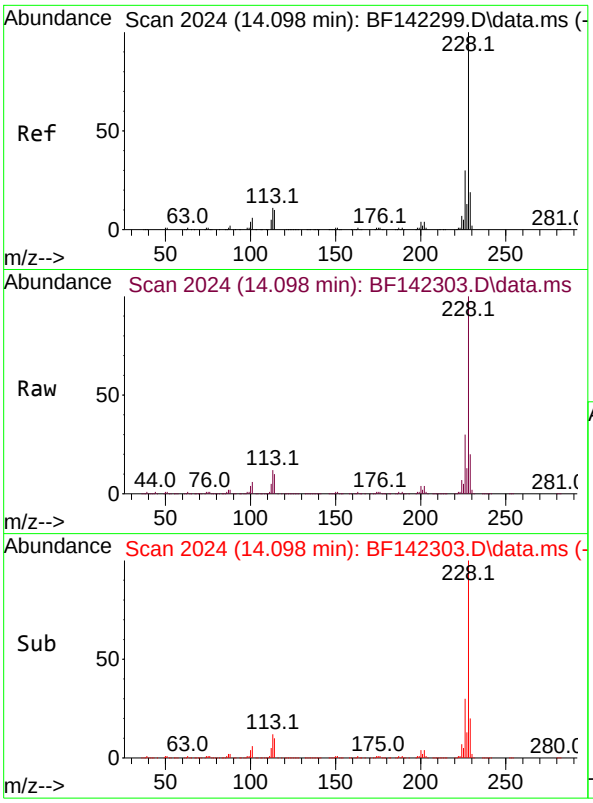


#82
3,3'-Dichlorobenzidine
Concen: 41.464 ng
RT: 14.021 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:252 Resp: 278603

Ion	Ratio	Lower	Upper
252	100		
254	64.9	52.0	78.0
126	11.5	9.7	14.5

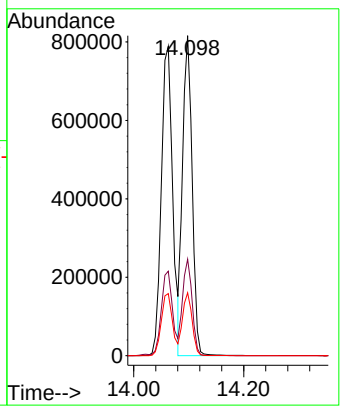




#83
Chrysene
Concen: 36.701 ng
RT: 14.098 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:228 Resp: 98717(

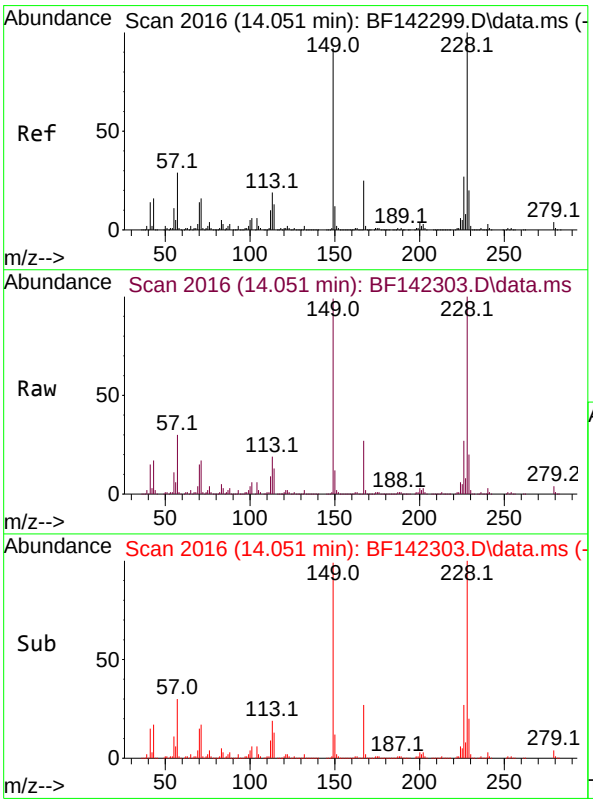
Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.9	35.9
229	19.7	15.4	23.2



Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Manual Integrations
APPROVED

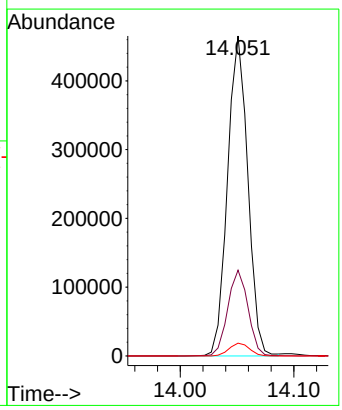
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

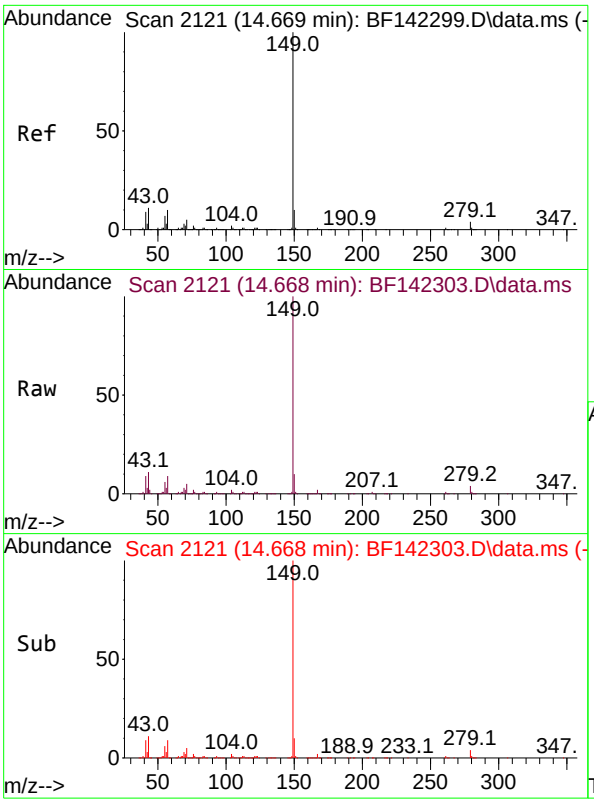


#84
Bis(2-ethylhexyl)phthalate
Concen: 39.051 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:149 Resp: 576295

Ion	Ratio	Lower	Upper
149	100		
167	26.8	22.0	33.0
279	4.0	3.0	4.6

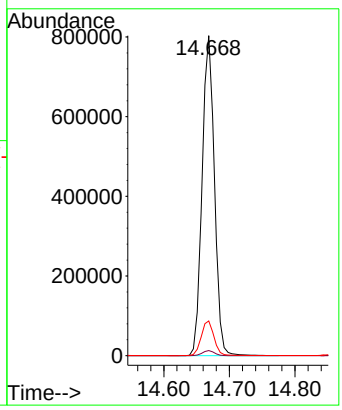




#85
Di-n-octyl phthalate
Concen: 40.234 ng
RT: 14.668 min Scan# 2
Delta R.T. -0.001 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:149 Resp: 105357

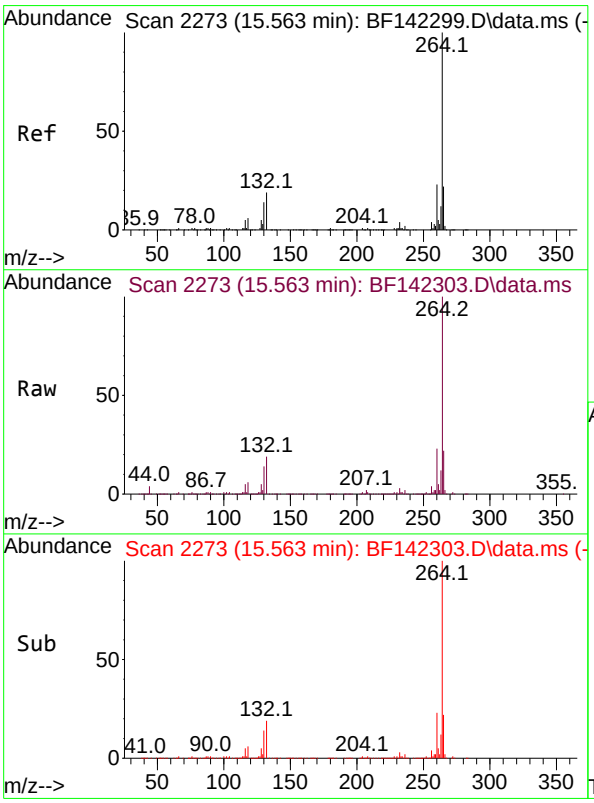
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.1	1.7
43	11.3	9.2	13.8



Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Manual Integrations APPROVED

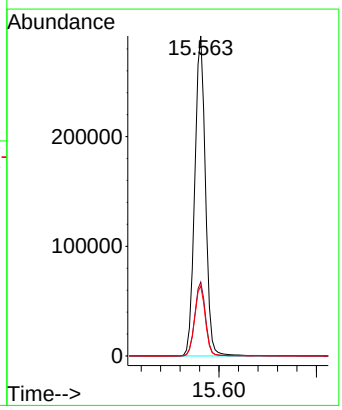
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

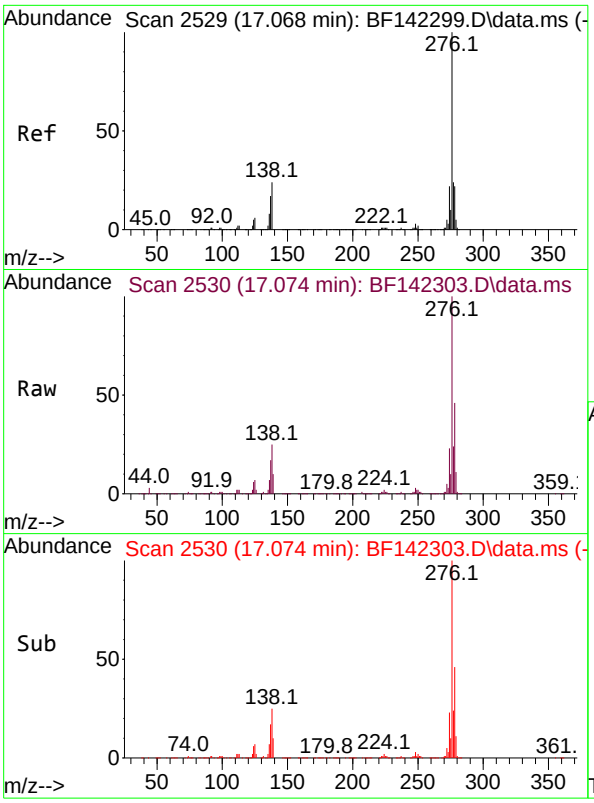


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2273
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:264 Resp: 447218

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.6	27.8
265	21.9	17.5	26.3

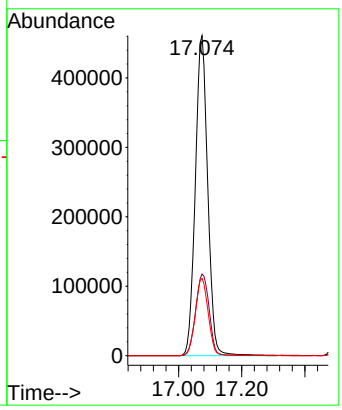




#87
Indeno(1,2,3-cd)pyrene
Concen: 40.452 ng
RT: 17.074 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:276 Resp: 125844

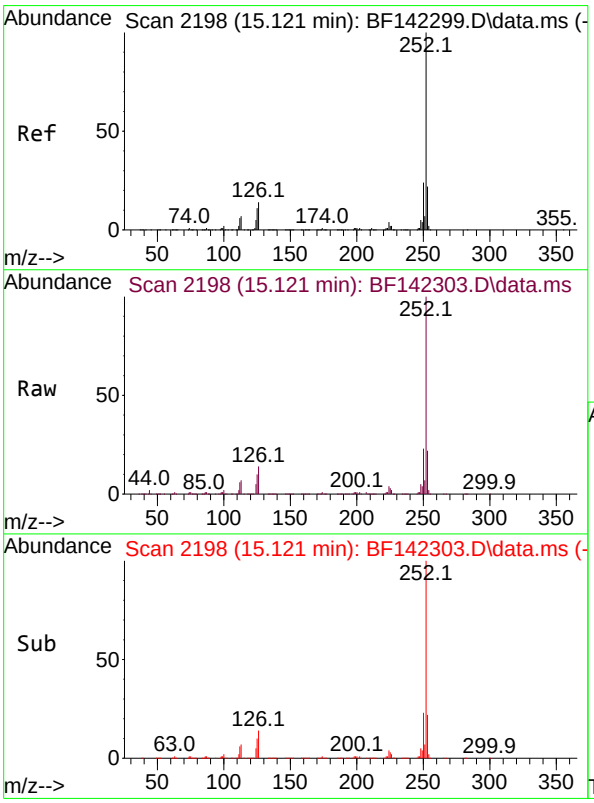
Ion	Ratio	Lower	Upper
276	100		
138	27.8	22.0	33.0
277	25.2	20.1	30.1



Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Manual Integrations APPROVED

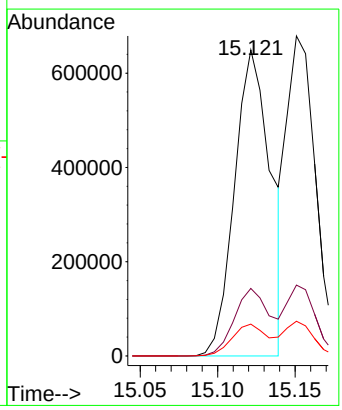
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

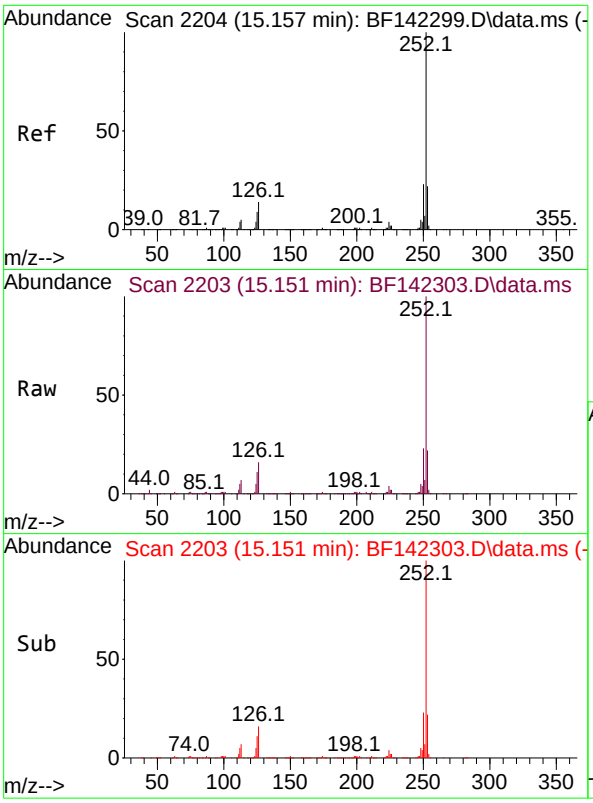


#88
Benzo(b)fluoranthene
Concen: 38.957 ng
RT: 15.121 min Scan# 2198
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:252 Resp: 1055207

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	10.4	8.7	13.1

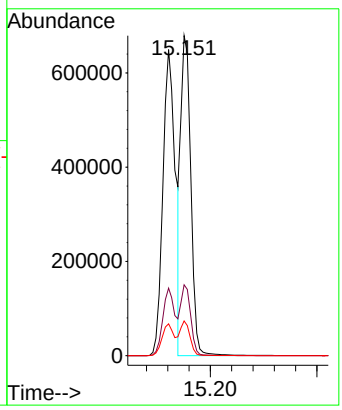




#89
Benzo(k)fluoranthene
Concen: 35.727 ng
RT: 15.151 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:252 Resp: 88557

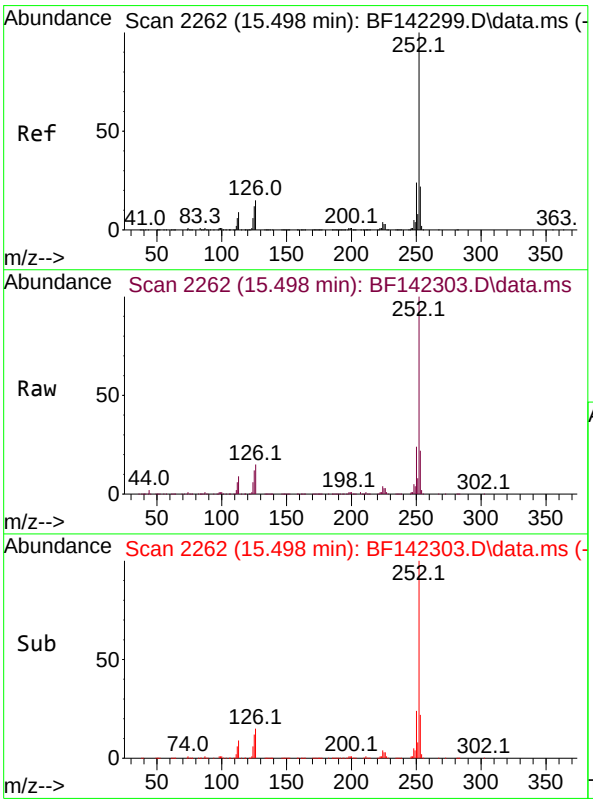
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	10.8	8.1	12.1



Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Manual Integrations APPROVED

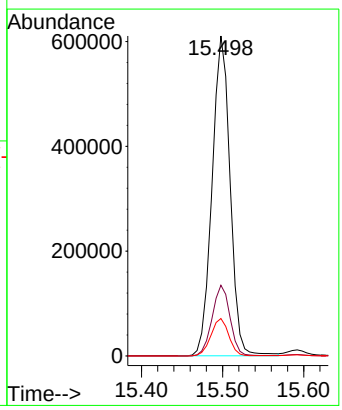
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

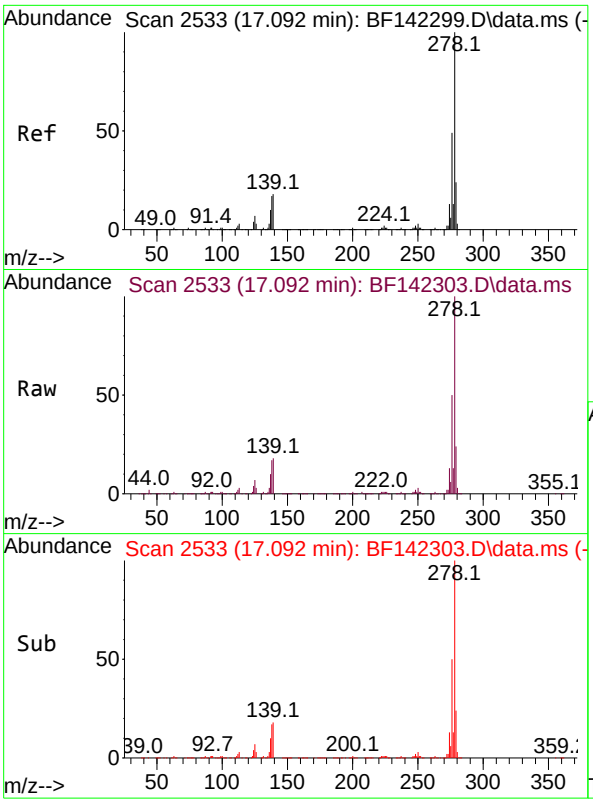


#90
Benzo(a)pyrene
Concen: 38.871 ng
RT: 15.498 min Scan# 2262
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:252 Resp: 943474

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.6
125	11.7	9.4	14.0

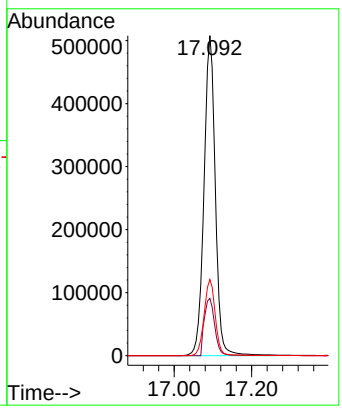




#91
Dibenzo(a,h)anthracene
Concen: 40.084 ng
RT: 17.092 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:278 Resp: 103021

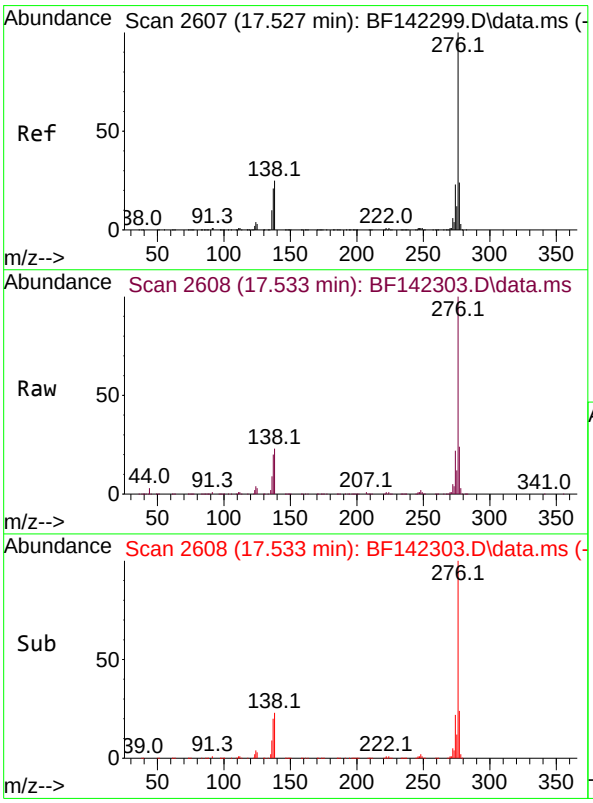
Ion	Ratio	Lower	Upper
278	100		
139	17.9	14.5	21.7
279	23.8	18.9	28.3



Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Manual Integrations APPROVED

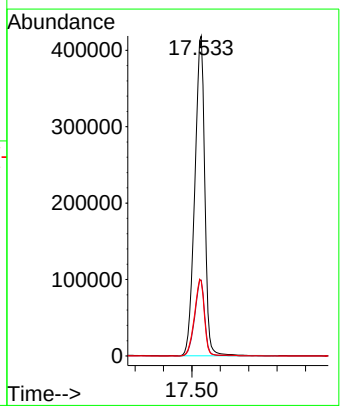
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#92
Benzo(g,h,i)perylene
Concen: 40.171 ng
RT: 17.533 min Scan# 2608
Delta R.T. 0.006 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:276 Resp: 1024727

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.0	28.6
138	23.3	19.8	29.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142303.D
Acq On : 05 May 2025 18:13
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Quant Time: May 05 18:41:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 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	107	0.00
2		1,4-Dioxane	0.528	0.502	4.9	107	0.00
3		Pyridine	1.239	1.269	-2.4	116	0.00
4		n-Nitrosodimethylamine	0.720	0.690	4.2	106	0.00
5	S	2-Fluorophenol	1.172	1.128	3.8	107	0.00
6		Aniline	1.413	1.490	-5.4	109	0.00
7	S	Phenol-d6	1.441	1.377	4.4	107	0.00
8		2-Chlorophenol	1.252	1.243	0.7	109	0.00
9		Benzaldehyde	0.843	0.718	14.8	105	0.00
10	C	Phenol	1.527	1.469	3.8	107	0.00
11		bis(2-Chloroethyl)ether	1.506	1.357	9.9	107	0.00
12		1,3-Dichlorobenzene	1.432	1.338	6.6	106	0.00
13	C	1,4-Dichlorobenzene	1.438	1.355	5.8	106	0.00
14		1,2-Dichlorobenzene	1.380	1.304	5.5	106	0.00
15		Benzyl Alcohol	0.933	0.948	-1.6	109	0.00
16		2,2'-oxybis(1-Chloropropane	2.249	2.137	5.0	107	0.00
17		2-Methylphenol	1.014	0.987	2.7	109	0.00
18		Hexachloroethane	0.478	0.474	0.8	110	0.00
19	P	n-Nitroso-di-n-propylamine	0.891	0.857	3.8	107	0.00
20		3+4-Methylphenols	1.265	1.236	2.3	109	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	106	0.00
22		Acetophenone	0.445	0.417	6.3	106	0.00
23	S	Nitrobenzene-d5	0.328	0.343	-4.6	111	0.00
24		Nitrobenzene	0.309	0.320	-3.6	111	0.00
25		Isophorone	0.621	0.597	3.9	108	0.00
26	C	2-Nitrophenol	0.129	0.155	-20.2#	124	0.00
27		2,4-Dimethylphenol	0.312	0.304	2.6	108	0.00
28		bis(2-Chloroethoxy)methane	0.399	0.381	4.5	108	0.00
29	C	2,4-Dichlorophenol	0.265	0.270	-1.9	109	0.00
30		1,2,4-Trichlorobenzene	0.299	0.280	6.4	106	0.00
31		Naphthalene	0.969	0.921	5.0	108	0.00
32		Benzoic acid	0.150	0.174	-16.0	132	0.00
33		4-Chloroaniline	0.396	0.395	0.3	109	0.00
34	C	Hexachlorobutadiene	0.177	0.170	4.0	108	0.00
35		Caprolactam	0.077	0.080	-3.9	108	0.00
36	C	4-Chloro-3-methylphenol	0.276	0.274	0.7	110	0.00
37		2-Methylnaphthalene	0.602	0.567	5.8	106	0.00
38		1-Methylnaphthalene	0.628	0.589	6.2	105	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	106	0.00
40		1,2,4,5-Tetrachlorobenzene	0.559	0.524	6.3	107	0.00
41	P	Hexachlorocyclopentadiene	0.345	0.363	-5.2	111	0.00
42	S	2,4,6-Tribromophenol	0.193	0.201	-4.1	111	0.00
43	C	2,4,6-Trichlorophenol	0.352	0.363	-3.1	109	0.00
44		2,4,5-Trichlorophenol	0.375	0.374	0.3	109	0.00
45	S	2-Fluorobiphenyl	1.403	1.251	10.8	104	0.00
46		1,1'-Biphenyl	1.533	1.429	6.8	107	0.00
47		2-Chloronaphthalene	1.140	1.064	6.7	106	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142303.D
Acq On : 05 May 2025 18:13
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Quant Time: May 05 18:41:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 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	0.292	0.327	-12.0	116	0.00
49		Acenaphthylene	1.908	1.804	5.5	107	0.00
50		Dimethylphthalate	1.284	1.225	4.6	107	0.00
51		2,6-Dinitrotoluene	0.240	0.269	-12.1	116	0.00
52	C	Acenaphthene	1.147	1.075	6.3	106	0.00
53		3-Nitroaniline	0.282	0.304	-7.8	112	0.00
54	P	2,4-Dinitrophenol	0.102	0.120	-17.6	130	0.00
55		Dibenzofuran	1.693	1.573	7.1	107	0.00
56	P	4-Nitrophenol	0.212	0.235	-10.8	116	0.00
57		2,4-Dinitrotoluene	0.308	0.349	-13.3	116	0.00
58		Fluorene	1.292	1.186	8.2	105	0.00
59		2,3,4,6-Tetrachlorophenol	0.309	0.322	-4.2	111	0.00
60		Diethylphthalate	1.283	1.220	4.9	107	0.00
61		4-Chlorophenyl-phenylether	0.623	0.574	7.9	105	0.00
62		4-Nitroaniline	0.223	0.220	1.3	103	0.00
63		Azobenzene	1.226	1.161	5.3	108	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	107	0.00
65		4,6-Dinitro-2-methylphenol	0.082	0.094	-14.6	124	0.00
66	c	n-Nitrosodiphenylamine	0.666	0.634	4.8	107	0.00
67		4-Bromophenyl-phenylether	0.227	0.217	4.4	107	0.00
68		Hexachlorobenzene	0.249	0.239	4.0	107	0.00
69		Atrazine	0.175	0.180	-2.9	110	0.00
70	C	Pentachlorophenol	0.131	0.144	-9.9	110	0.00
71		Phenanthrene	1.048	0.981	6.4	106	0.00
72		Anthracene	1.077	1.007	6.5	105	0.00
73		Carbazole	0.966	0.904	6.4	104	0.00
74		Di-n-butylphthalate	1.016	1.008	0.8	106	0.00
75	C	Fluoranthene	1.048	0.962	8.2	104	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	100	0.00
77		Benzidine	0.363	0.392	-8.0	109	0.00
78		Pyrene	1.780	1.741	2.2	102	0.00
79	S	Terphenyl-d14	1.351	1.290	4.5	102	0.00
80		Butylbenzylphthalate	0.449	0.506	-12.7	108	0.00
81		Benzo(a)anthracene	1.295	1.257	2.9	101	0.00
82		3,3'-Dichlorobenzidine	0.301	0.312	-3.7	105	0.00
83		Chrysene	1.206	1.106	8.3	100	0.00
84		Bis(2-ethylhexyl)phthalate	0.573	0.646	-12.7	107	0.00
85	c	Di-n-octyl phthalate	1.057	1.181	-11.7	114	0.00
86	I	Perylene-d12	1.000	1.000	0.0	105	0.00
87		Indeno(1,2,3-cd)pyrene	1.391	1.407	-1.2	107	0.00
88		Benzo(b)fluoranthene	1.211	1.180	2.6	106	0.00
89		Benzo(k)fluoranthene	1.109	0.990	10.7	100	0.00
90	C	Benzo(a)pyrene	1.085	1.055	2.8	104	0.00
91		Dibenzo(a,h)anthracene	1.149	1.152	-0.3	106	0.00
92		Benzo(g,h,i)perylene	1.141	1.146	-0.4	107	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142303.D
Acq On : 05 May 2025 18:13
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Quant Time: May 05 18:41:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 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 = 1

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142303.D
Acq On : 05 May 2025 18:13
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Quant Time: May 05 18:41:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 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	107	0.00
2		1,4-Dioxane	40.000	38.046	4.9	107	0.00
3		Pyridine	40.000	40.992	-2.5	116	0.00
4		n-Nitrosodimethylamine	40.000	38.346	4.1	106	0.00
5	S	2-Fluorophenol	80.000	77.026	3.7	107	0.00
6		Aniline	40.000	42.173	-5.4	109	0.00
7	S	Phenol-d6	80.000	76.429	4.5	107	0.00
8		2-Chlorophenol	40.000	39.701	0.7	109	0.00
9		Benzaldehyde	40.000	34.048	14.9	105	0.00
10	C	Phenol	40.000	38.399	4.0	107	0.00
11		bis(2-Chloroethyl)ether	40.000	36.030	9.9	107	0.00
12		1,3-Dichlorobenzene	40.000	37.375	6.6	106	0.00
13	C	1,4-Dichlorobenzene	40.000	37.681	5.8	106	0.00
14		1,2-Dichlorobenzene	40.000	37.772	5.6	106	0.00
15		Benzyl Alcohol	40.000	40.632	-1.6	109	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	38.006	5.0	107	0.00
17		2-Methylphenol	40.000	38.961	2.6	109	0.00
18		Hexachloroethane	40.000	39.633	0.9	110	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	38.437	3.9	107	0.00
20		3+4-Methylphenols	40.000	39.089	2.3	109	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	106	0.00
22		Acetophenone	40.000	37.519	6.2	106	0.00
23	S	Nitrobenzene-d5	80.000	83.567	-4.5	111	0.00
24		Nitrobenzene	40.000	41.431	-3.6	111	0.00
25		Isophorone	40.000	38.426	3.9	108	0.00
26	C	2-Nitrophenol	40.000	42.037	-5.1	124	0.00
27		2,4-Dimethylphenol	40.000	38.903	2.7	108	0.00
28		bis(2-Chloroethoxy)methane	40.000	38.186	4.5	108	0.00
29	C	2,4-Dichlorophenol	40.000	40.715	-1.8	109	0.00
30		1,2,4-Trichlorobenzene	40.000	37.487	6.3	106	0.00
31		Naphthalene	40.000	37.992	5.0	108	0.00
32		Benzoic acid	40.000	43.072	-7.7	132	0.00
33		4-Chloroaniline	40.000	39.993	0.0	109	0.00
34	C	Hexachlorobutadiene	40.000	38.512	3.7	108	0.00
35		Caprolactam	40.000	41.494	-3.7	108	0.00
36	C	4-Chloro-3-methylphenol	40.000	39.715	0.7	110	0.00
37		2-Methylnaphthalene	40.000	37.643	5.9	106	0.00
38		1-Methylnaphthalene	40.000	37.522	6.2	105	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	106	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	37.555	6.1	107	0.00
41	P	Hexachlorocyclopentadiene	40.000	42.020	-5.1	111	0.00
42	S	2,4,6-Tribromophenol	80.000	83.209	-4.0	111	0.00
43	C	2,4,6-Trichlorophenol	40.000	41.212	-3.0	109	0.00
44		2,4,5-Trichlorophenol	40.000	39.886	0.3	109	0.00
45	S	2-Fluorobiphenyl	80.000	71.371	10.8	104	0.00
46		1,1'-Biphenyl	40.000	37.283	6.8	107	0.00
47		2-Chloronaphthalene	40.000	37.323	6.7	106	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142303.D
Acq On : 05 May 2025 18:13
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Quant Time: May 05 18:41:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 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	44.681	-11.7	116	0.00
49		Acenaphthylene	40.000	37.833	5.4	107	0.00
50		Dimethylphthalate	40.000	38.154	4.6	107	0.00
51		2,6-Dinitrotoluene	40.000	44.788	-12.0	116	0.00
52	C	Acenaphthene	40.000	37.495	6.3	106	0.00
53		3-Nitroaniline	40.000	43.190	-8.0	112	0.00
54	P	2,4-Dinitrophenol	40.000	42.149	-5.4	130	0.00
55		Dibenzofuran	40.000	37.158	7.1	107	0.00
56	P	4-Nitrophenol	40.000	44.381	-11.0	116	0.00
57		2,4-Dinitrotoluene	40.000	45.248	-13.1	116	0.00
58		Fluorene	40.000	36.712	8.2	105	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	41.630	-4.1	111	0.00
60		Diethylphthalate	40.000	38.064	4.8	107	0.00
61		4-Chlorophenyl-phenylether	40.000	36.826	7.9	105	0.00
62		4-Nitroaniline	40.000	39.327	1.7	103	0.00
63		Azobenzene	40.000	37.908	5.2	108	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	107	0.00
65		4,6-Dinitro-2-methylphenol	40.000	41.574	-3.9	124	0.00
66	c	n-Nitrosodiphenylamine	40.000	38.096	4.8	107	0.00
67		4-Bromophenyl-phenylether	40.000	38.308	4.2	107	0.00
68		Hexachlorobenzene	40.000	38.273	4.3	107	0.00
69		Atrazine	40.000	41.032	-2.6	110	0.00
70	C	Pentachlorophenol	40.000	43.855	-9.6	110	0.00
71		Phenanthrene	40.000	37.441	6.4	106	0.00
72		Anthracene	40.000	37.410	6.5	105	0.00
73		Carbazole	40.000	37.428	6.4	104	0.00
74		Di-n-butylphthalate	40.000	39.694	0.8	106	0.00
75	C	Fluoranthene	40.000	36.731	8.2	104	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	100	0.00
77		Benzidine	40.000	43.136	-7.8	109	0.00
78		Pyrene	40.000	39.120	2.2	102	0.00
79	S	Terphenyl-d14	80.000	76.366	4.5	102	0.00
80		Butylbenzylphthalate	40.000	39.681	0.8	108	0.00
81		Benzo(a)anthracene	40.000	38.827	2.9	101	0.00
82		3,3'-Dichlorobenzidine	40.000	41.464	-3.7	105	0.00
83		Chrysene	40.000	36.701	8.2	100	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	39.051	2.4	107	0.00
85	c	Di-n-octyl phthalate	40.000	40.234	-0.6	114	0.00
86	I	Perylene-d12	20.000	20.000	0.0	105	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	40.452	-1.1	107	0.00
88		Benzo(b)fluoranthene	40.000	38.957	2.6	106	0.00
89		Benzo(k)fluoranthene	40.000	35.727	10.7	100	0.00
90	C	Benzo(a)pyrene	40.000	38.871	2.8	104	0.00
91		Dibenzo(a,h)anthracene	40.000	40.084	-0.2	106	0.00
92		Benzo(g,h,i)perylene	40.000	40.171	-0.4	107	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142303.D
Acq On : 05 May 2025 18:13
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Quant Time: May 05 18:41:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1985 SAS No.: Q1985 SDG No.: Q1985

Instrument ID: BNA_F Calibration Date/Time: 05/15/2025 10:08

Lab File ID: BF142384.D Init. Calib. Date(s): 05/05/2025 05/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:54 17:15

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.172	1.185		1.1	
Benzaldehyde	0.843	0.790		-6.3	
Phenol-d6	1.441	1.453		0.8	
Phenol	1.531	1.687		10.2	20.0
bis(2-Chloroethyl)ether	1.506	1.206		-19.9	
2-Chlorophenol	1.252	1.341		7.1	
2-Methylphenol	1.014	1.020		0.6	
2,2-oxybis(1-Chloropropane)	2.249	2.090		-7.1	
Acetophenone	0.445	0.432		-2.9	
3+4-Methylphenols	1.265	1.281		1.3	
n-Nitroso-di-n-propylamine	0.891	0.887	0.050	-0.4	
Nitrobenzene-d5	0.328	0.363		10.7	
Hexachloroethane	0.478	0.498		4.2	
Nitrobenzene	0.309	0.329		6.5	
Isophorone	0.621	0.611		-1.6	
2-Nitrophenol	0.129	0.180		39.5	20.0
2,4-Dimethylphenol	0.312	0.317		1.6	
bis(2-Chloroethoxy)methane	0.399	0.377		-5.5	
2,4-Dichlorophenol	0.265	0.282		6.4	20.0
Naphthalene	0.969	0.952		-1.8	
4-Chloroaniline	0.395	0.395		0.0	
Hexachlorobutadiene	0.177	0.180		1.7	20.0
Caprolactam	0.077	0.085		10.4	
4-Chloro-3-methylphenol	0.276	0.298		8.0	20.0
2-Methylnaphthalene	0.602	0.598		-0.7	
Hexachlorocyclopentadiene	0.345	0.391	0.050	13.3	
2,4,6-Trichlorophenol	0.352	0.393		11.6	20.0
2-Fluorobiphenyl	1.403	1.334		-4.9	
2,4,5-Trichlorophenol	0.375	0.404		7.7	
1,1-Biphenyl	1.533	1.496		-2.4	
2-Chloronaphthalene	1.140	1.126		-1.2	
2-Nitroaniline	0.292	0.343		17.5	
Dimethylphthalate	1.284	1.305		1.6	
Acenaphthylene	1.908	1.887		-1.1	
2,6-Dinitrotoluene	0.240	0.287		19.6	
3-Nitroaniline	0.282	0.328		16.3	
Acenaphthene	1.147	1.167		1.7	20.0
2,4-Dinitrophenol	0.102	0.155	0.050	52.0	
4-Nitrophenol	0.212	0.270	0.050	27.4	

Form VII SV-1

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1985 SAS No.: Q1985 SDG No.: Q1985

Instrument ID: BNA_F Calibration Date/Time: 05/15/2025 10:08

Lab File ID: BF142384.D Init. Calib. Date(s): 05/05/2025 05/05/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 13:54 17:15

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.693	1.670		-1.4	
2,4-Dinitrotoluene	0.308	0.387		25.6	
Diethylphthalate	1.283	1.268		-1.2	
4-Chlorophenyl-phenylether	0.623	0.627		0.6	
Fluorene	1.292	1.258		-2.6	
4-Nitroaniline	0.223	0.271		21.5	
4,6-Dinitro-2-methylphenol	0.082	0.118		43.9	
n-Nitrosodiphenylamine	0.666	0.652		-2.1	20.0
2,4,6-Tribromophenol	0.193	0.228		18.1	
4-Bromophenyl-phenylether	0.227	0.229		0.9	
Hexachlorobenzene	0.249	0.253		1.6	
Atrazine	0.175	0.181		3.4	
Pentachlorophenol	0.131	0.161		22.9	20.0
Phenanthrene	1.048	1.011		-3.5	
Anthracene	1.077	1.047		-2.8	
Carbazole	0.966	0.919		-4.9	
Di-n-butylphthalate	1.016	1.002		-1.4	
Fluoranthene	1.048	0.966		-7.8	20.0
Pyrene	1.780	1.890		6.2	
Terphenyl-d14	1.351	1.396		3.3	
Butylbenzylphthalate	0.449	0.554		23.4	
3,3-Dichlorobenzidine	0.301	0.406		34.9	
Benzo(a)anthracene	1.295	1.280		-1.2	
Chrysene	1.206	1.167		-3.2	
Bis(2-ethylhexyl)phthalate	0.573	0.758		32.3	
Di-n-octyl phthalate	1.057	1.421		34.4	20.0
Benzo(b)fluoranthene	1.211	1.181		-2.5	
Benzo(k)fluoranthene	1.109	1.054		-5.0	
Benzo(a)pyrene	1.085	1.112		2.5	20.0
Indeno(1,2,3-cd)pyrene	1.391	1.459		4.9	
Dibenzo(a,h)anthracene	1.149	1.182		2.9	
Benzo(g,h,i)perylene	1.141	1.160		1.7	
1,2,4,5-Tetrachlorobenzene	0.559	0.562		0.5	
1,4-Dioxane	0.528	0.494		-6.4	20.0
2,3,4,6-Tetrachlorophenol	0.309	0.350		13.3	

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142384.D
Acq On : 15 May 2025 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: May 15 10:43:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	167469	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	652293	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	352544	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	609842	20.000	ng	0.00
76) Chrysene-d12	14.068	240	307770	20.000	ng	0.00
86) Perylene-d12	15.556	264	334801	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	793699	80.905	ng	0.00
7) Phenol-d6	6.528	99	973163	80.654	ng	0.00
23) Nitrobenzene-d5	7.469	82	945883	88.437	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	321545	94.468	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	1880482	76.057	ng	0.00
79) Terphenyl-d14	13.015	244	1718750	82.657	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.681	88	165382	37.436	ng	98
3) Pyridine	3.445	79	423152	40.797	ng	99
4) n-Nitrosodimethylamine	3.398	42	227064	37.667	ng	97
6) Aniline	6.563	93	627828	53.049	ng	100
8) 2-Chlorophenol	6.686	128	449181	42.847	ng	98
9) Benzaldehyde	6.451	77	264659	37.477	ng	99
10) Phenol	6.539	94	564949	44.171	ng	97
11) bis(2-Chloroethyl)ether	6.639	93	403831	32.018	ng	97
12) 1,3-Dichlorobenzene	6.845	146	477678	39.828	ng	99
13) 1,4-Dichlorobenzene	6.922	146	479424	39.812	ng	99
14) 1,2-Dichlorobenzene	7.075	146	459174	39.725	ng	99
15) Benzyl Alcohol	7.039	79	350796	44.898	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.175	45	699875	37.159	ng	100
17) 2-Methylphenol	7.151	107	341529	40.240	ng	100
18) Hexachloroethane	7.416	117	166684	41.602	ng	99
19) n-Nitroso-di-n-propyla...	7.316	70	297251	39.827	ng	98
20) 3+4-Methylphenols	7.304	107	428978	40.498	ng	96
22) Acetophenone	7.316	105	563832	38.876	ng	99
24) Nitrobenzene	7.486	77	428681	42.519	ng	96
25) Isophorone	7.728	82	797707	39.386	ng	99
26) 2-Nitrophenol	7.798	139	234213	48.180	ng	98
27) 2,4-Dimethylphenol	7.833	122	413214	40.579	ng	100
28) bis(2-Chloroethoxy)met...	7.933	93	491833	37.765	ng	100
29) 2,4-Dichlorophenol	8.039	162	367794	42.484	ng	99
30) 1,2,4-Trichlorobenzene	8.128	180	397960	40.845	ng	99
31) Naphthalene	8.210	128	1241567	39.273	ng	100
32) Benzoic acid	7.945	122	262715	48.080	ng	98
33) 4-Chloroaniline	8.257	127	515092m	39.930	ng	
34) Hexachlorobutadiene	8.328	225	235169	40.762	ng	99
35) Caprolactam	8.622	113	110904	43.955	ng	96
36) 4-Chloro-3-methylphenol	8.727	107	388839	43.207	ng	98
37) 2-Methylnaphthalene	8.898	142	779778	39.695	ng	99
38) 1-Methylnaphthalene	8.998	142	807941	39.461	ng	100
40) 1,2,4,5-Tetrachloroben...	9.063	216	396248	40.244	ng	99
41) Hexachlorocyclopentadiene	9.051	237	275586	45.288	ng	100
43) 2,4,6-Trichlorophenol	9.175	196	277366	44.660	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142384.D
Acq On : 15 May 2025 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: May 15 10:43:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration

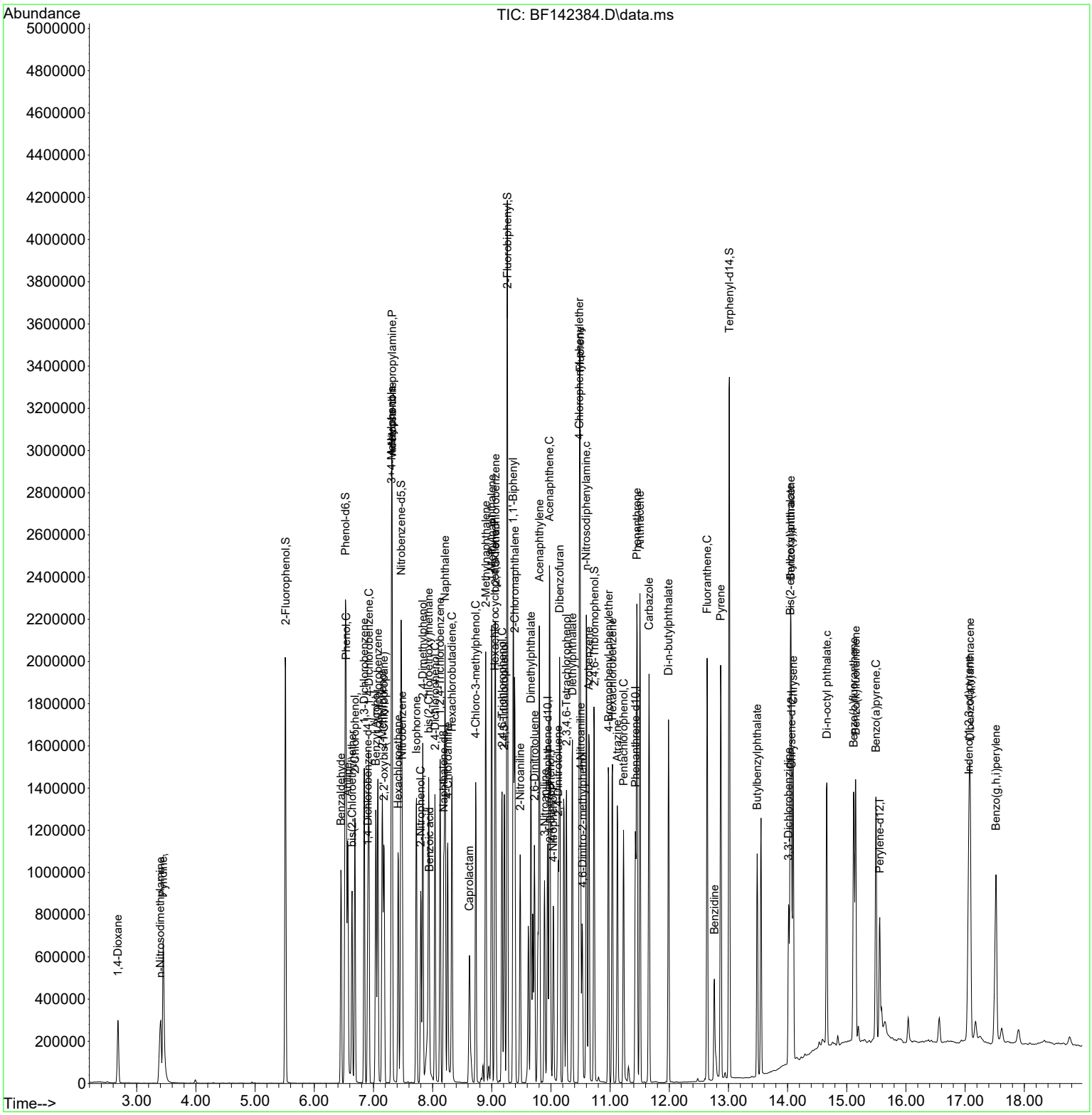
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	284606	43.069	ng		99
46) 1,1'-Biphenyl	9.363	154	1054716	39.019	ng		99
47) 2-Chloronaphthalene	9.386	162	793640	39.480	ng		99
48) 2-Nitroaniline	9.480	65	242020	46.970	ng		93
49) Acenaphthylene	9.804	152	1330203	39.556	ng		100
50) Dimethylphthalate	9.663	163	920024	40.641	ng		99
51) 2,6-Dinitrotoluene	9.722	165	202470	47.782	ng		92
52) Acenaphthene	9.974	154	823139	40.709	ng		100
53) 3-Nitroaniline	9.892	138	231519	46.586	ng		93
54) 2,4-Dinitrophenol	9.992	184	109406	52.287	ng	#	31
55) Dibenzofuran	10.145	168	1177533	39.460	ng		99
56) 4-Nitrophenol	10.039	139	190242	50.863	ng		98
57) 2,4-Dinitrotoluene	10.122	165	272568	50.147	ng		96
58) Fluorene	10.492	166	887188	38.957	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	246742	45.231	ng		98
60) Diethylphthalate	10.363	149	894154	39.551	ng		99
61) 4-Chlorophenyl-phenyle...	10.480	204	442251	40.251	ng		99
62) 4-Nitroaniline	10.504	138	190827	48.448	ng		99
63) Azobenzene	10.639	77	829169	38.382	ng		100
65) 4,6-Dinitro-2-methylph...	10.533	198	143343	50.061	ng		92
66) n-Nitrosodiphenylamine	10.598	169	795348	39.193	ng		100
67) 4-Bromophenyl-phenylether	10.974	248	278763	40.333	ng		96
68) Hexachlorobenzene	11.039	284	308205	40.540	ng		96
69) Atrazine	11.121	200	220173	41.159	ng		100
70) Pentachlorophenol	11.227	266	196607	49.158	ng		98
71) Phenanthrene	11.451	178	1232846	38.567	ng		100
72) Anthracene	11.504	178	1276652	38.868	ng		100
73) Carbazole	11.657	167	1120621	38.029	ng		99
74) Di-n-butylphthalate	11.986	149	1222117	39.441	ng		100
75) Fluoranthene	12.639	202	1178524	36.881	ng		99
77) Benzidine	12.763	184	338767	60.569	ng		98
78) Pyrene	12.868	202	1163491	42.472	ng		99
80) Butylbenzylphthalate	13.486	149	341169	43.080	ng		98
81) Benzo(a)anthracene	14.057	228	787940	39.532	ng		100
82) 3,3'-Dichlorobenzidine	14.015	252	250112	53.961	ng		98
83) Chrysene	14.092	228	718046	38.699	ng		99
84) Bis(2-ethylhexyl)phtha...	14.045	149	466640	45.102	ng		99
85) Di-n-octyl phthalate	14.662	149	874781	46.831	ng		97
87) Indeno(1,2,3-cd)pyrene	17.062	276	977143	41.956	ng		99
88) Benzo(b)fluoranthene	15.115	252	790611	38.990	ng		99
89) Benzo(k)fluoranthene	15.151	252	705674	38.028	ng		100
90) Benzo(a)pyrene	15.492	252	744294	40.961	ng		100
91) Dibenzo(a,h)anthracene	17.086	278	791409	41.131	ng		98
92) Benzo(g,h,i)perylene	17.521	276	776651	40.669	ng		97

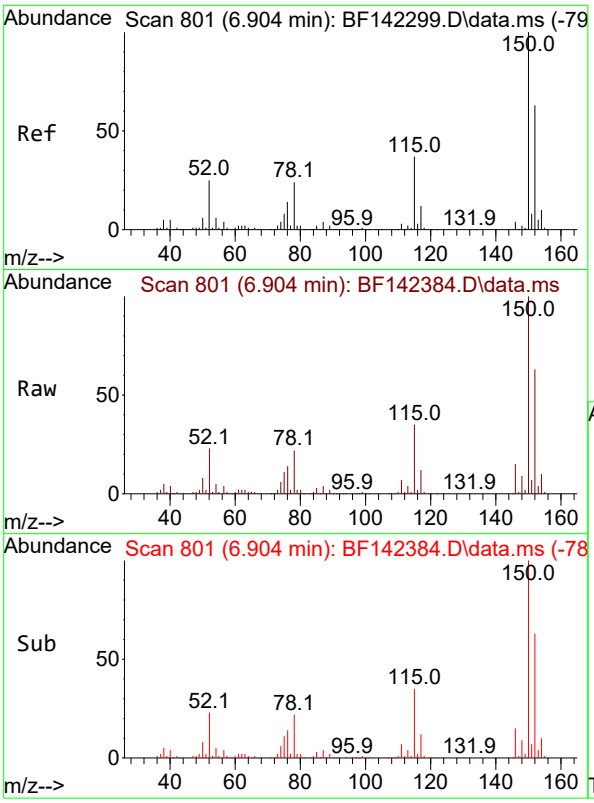
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142384.D
Acq On : 15 May 2025 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: May 15 10:43:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration



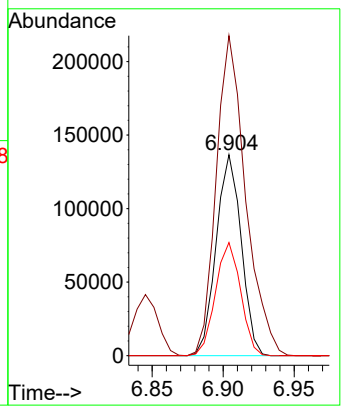


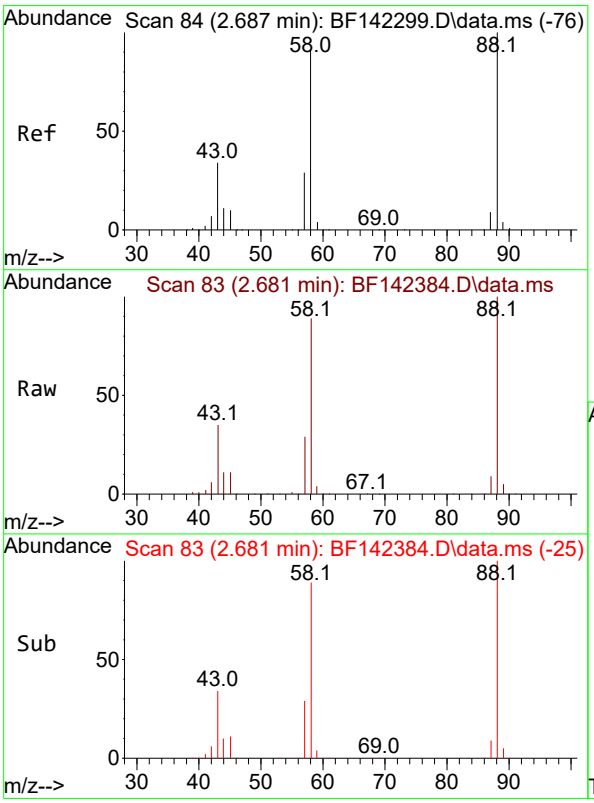
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 167469

Ion	Ratio	Lower	Upper
152	100		
150	159.2	126.6	190.0
115	56.3	47.3	70.9

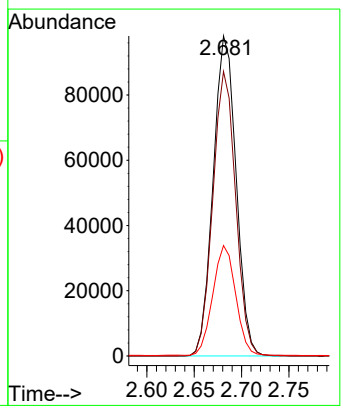


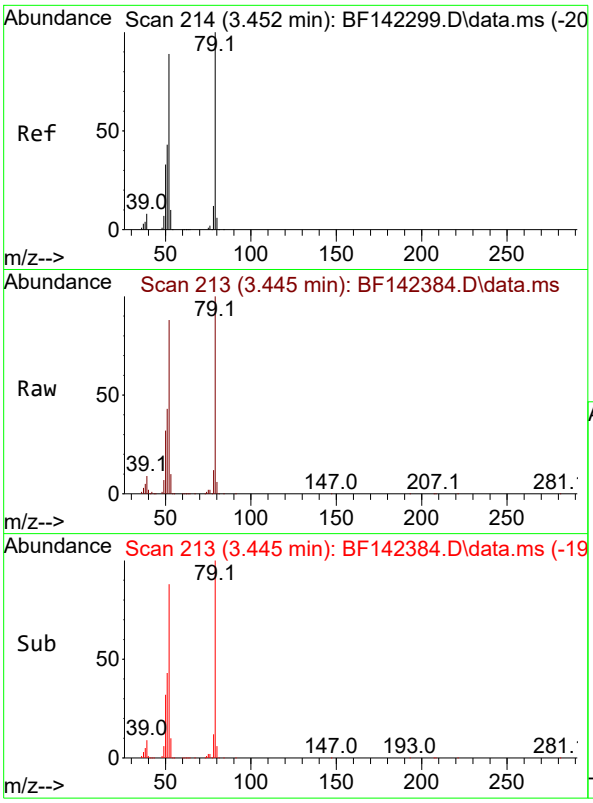


#2
1,4-Dioxane
Concen: 37.436 ng
RT: 2.681 min Scan# 83
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion: 88 Resp: 165382

Ion	Ratio	Lower	Upper
88	100		
58	88.3	73.0	109.4
43	34.2	27.8	41.6



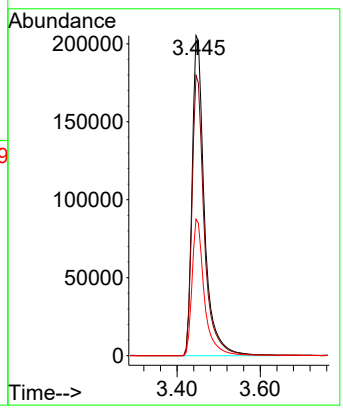


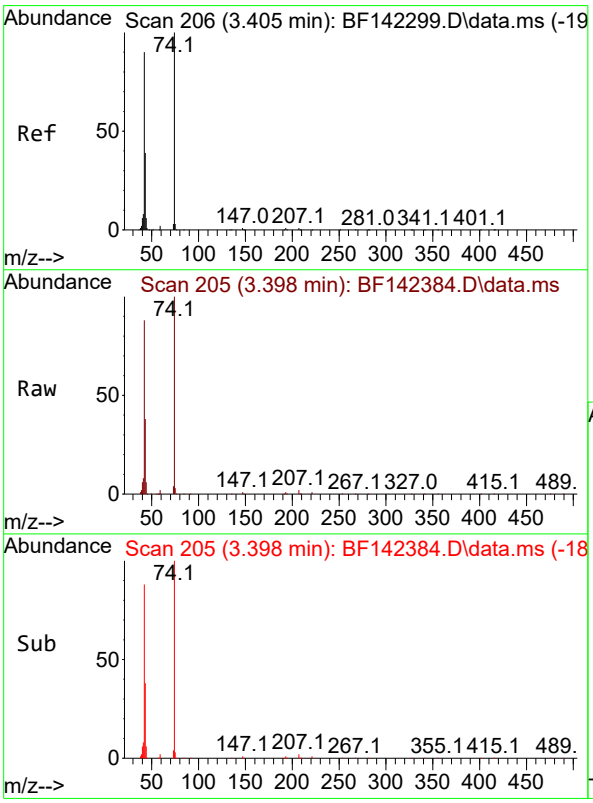
#3
Pyridine
Concen: 40.797 ng
RT: 3.445 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 423152

Ion	Ratio	Lower	Upper
79	100		
52	87.6	71.0	106.4
51	42.7	34.9	52.3

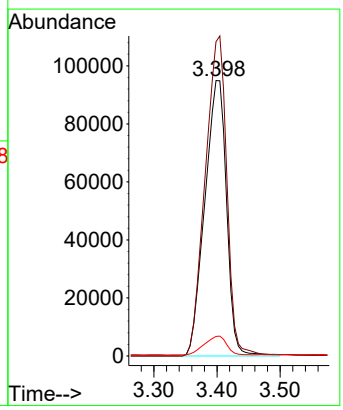


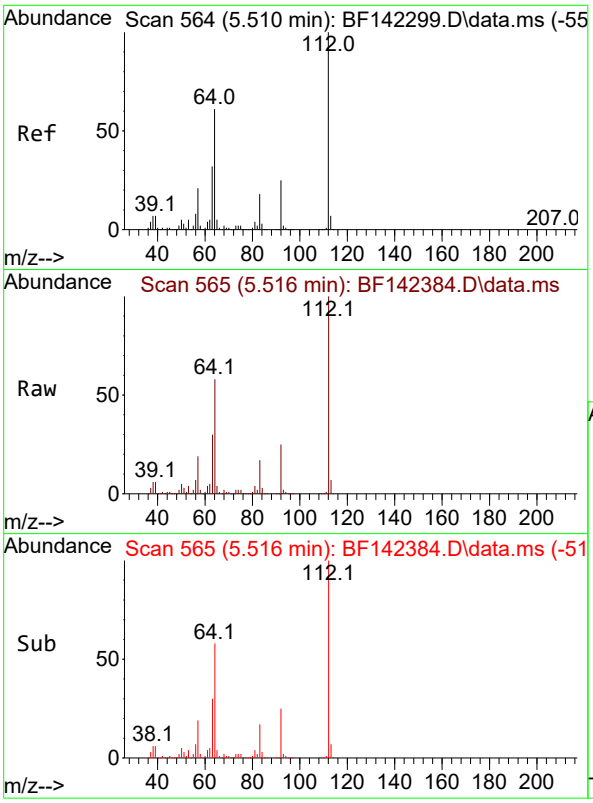


#4
n-Nitrosodimethylamine
Concen: 37.667 ng
RT: 3.398 min Scan# 205
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion: 42 Resp: 227064

Ion	Ratio	Lower	Upper
42	100		
74	114.1	88.5	132.7
44	7.1	5.8	8.8



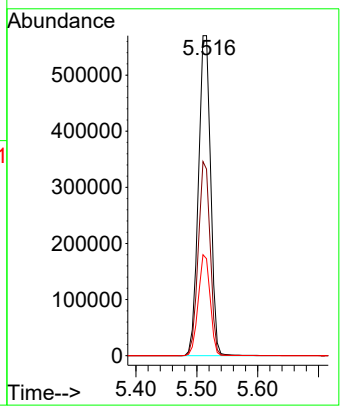


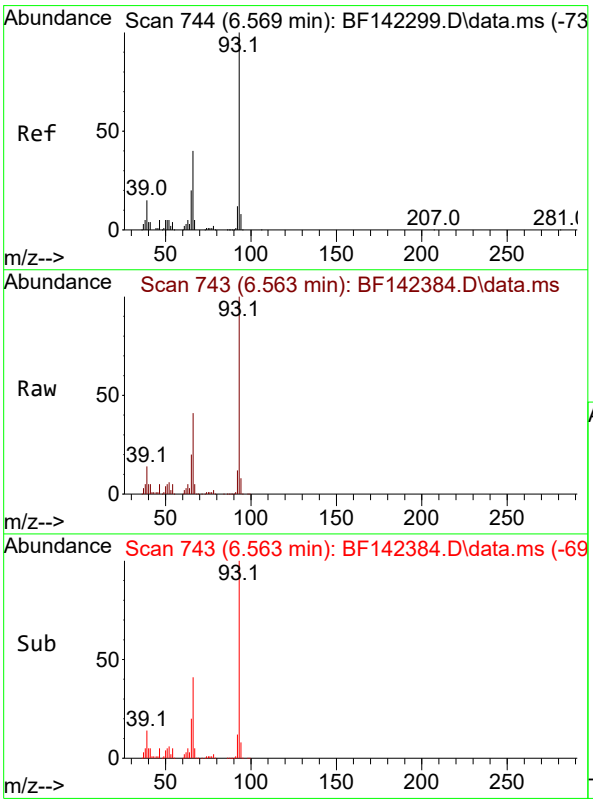
#5
2-Fluorophenol
Concen: 80.905 ng
RT: 5.516 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 793699

Ion	Ratio	Lower	Upper
112	100		
64	58.3	48.9	73.3
63	30.3	25.6	38.4

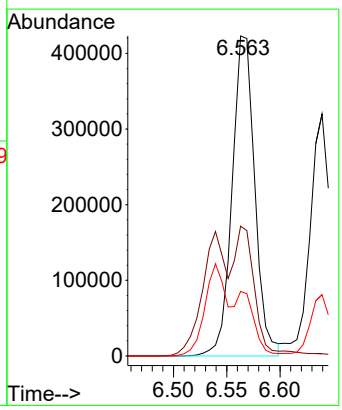


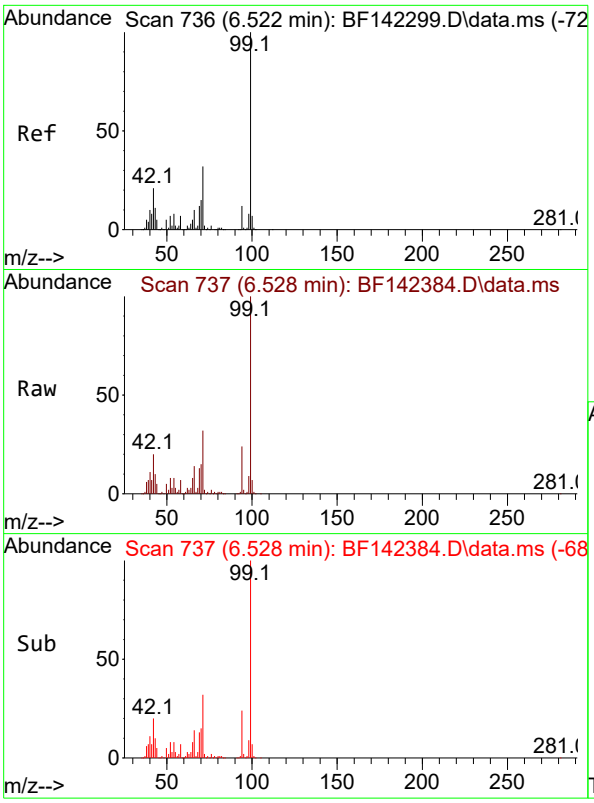


#6
Aniline
Concen: 53.049 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion: 93 Resp: 627828

Ion	Ratio	Lower	Upper
93	100		
66	40.5	32.2	48.4
65	20.1	16.3	24.5



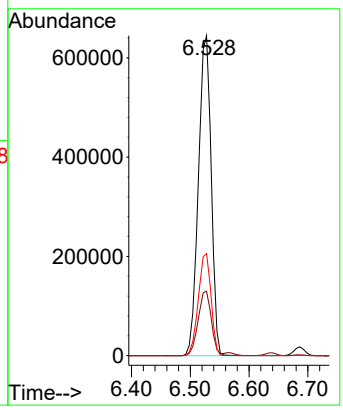


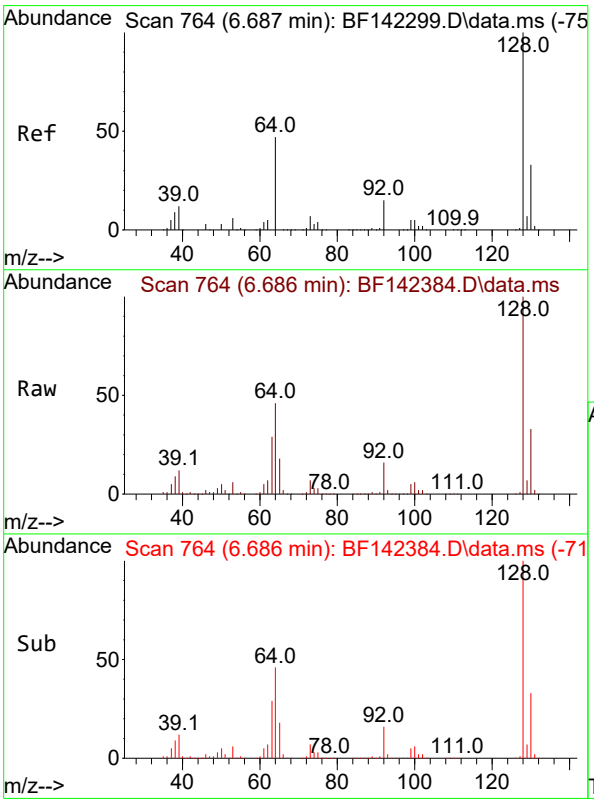
#7
Phenol-d6
Concen: 80.654 ng
RT: 6.528 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 973163

Ion	Ratio	Lower	Upper
99	100		
42	20.1	17.0	25.4
71	31.9	25.8	38.8

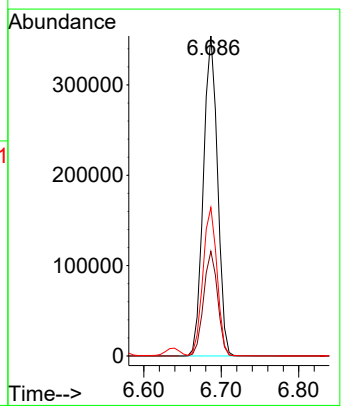


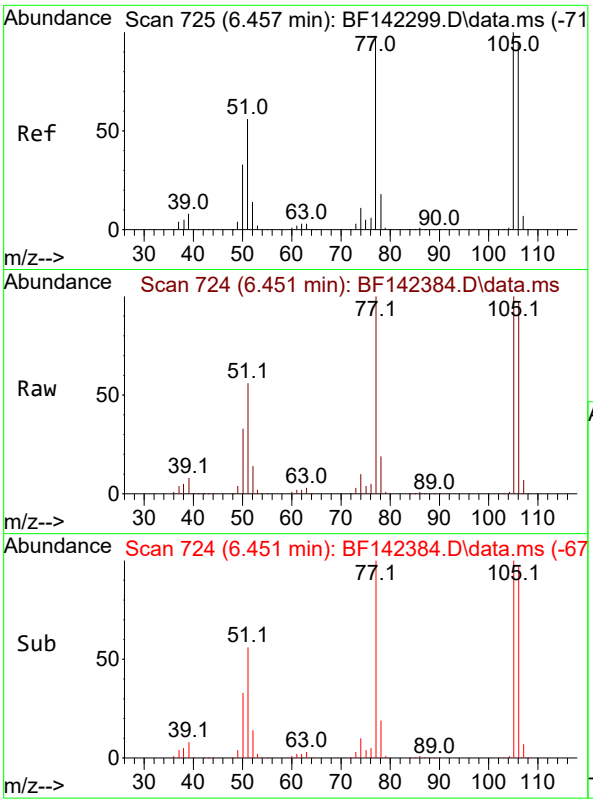


#8
2-Chlorophenol
Concen: 42.847 ng
RT: 6.686 min Scan# 764
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:128 Resp: 449181

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.7	52.7
64	46.4	29.2	69.2



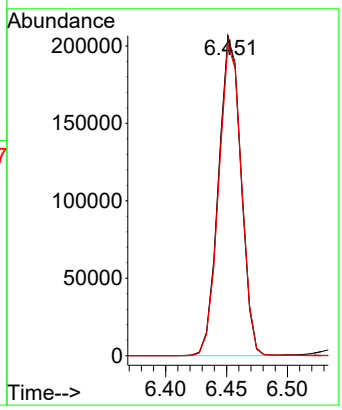


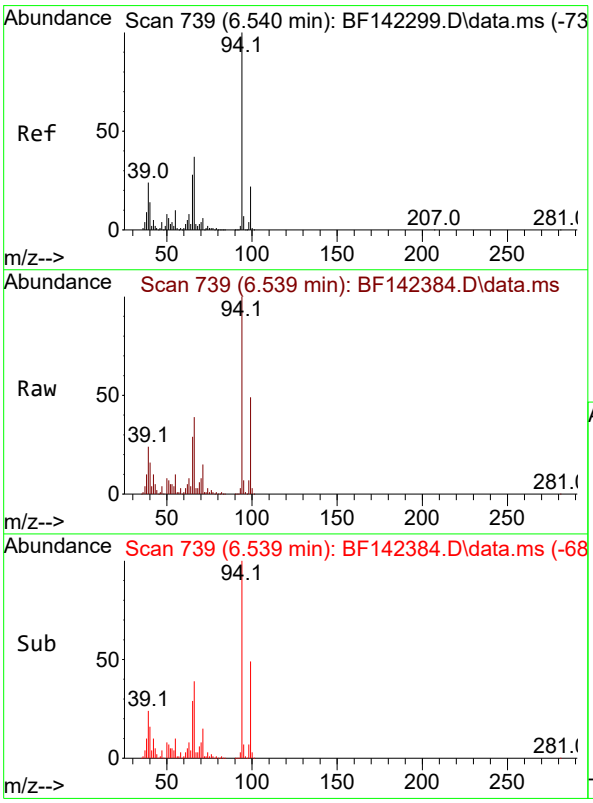
#9
Benzaldehyde
Concen: 37.477 ng
RT: 6.451 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 264659

Ion	Ratio	Lower	Upper
77	100		
105	99.6	82.0	122.0
106	97.1	77.2	117.2

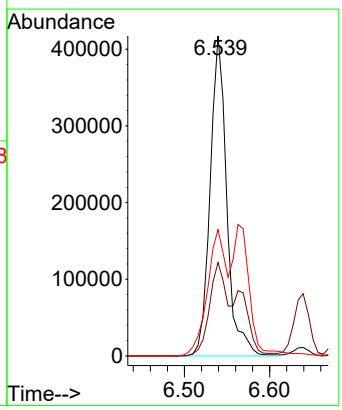


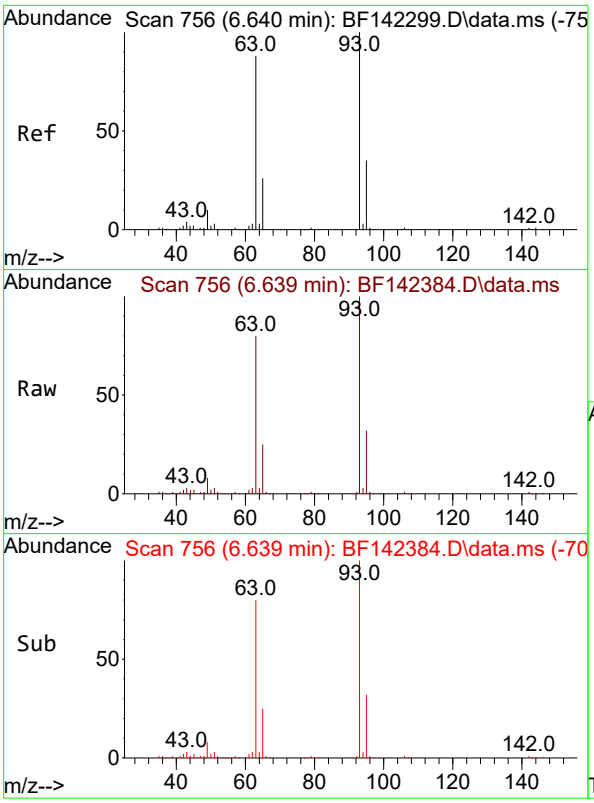


#10
Phenol
Concen: 44.171 ng
RT: 6.539 min Scan# 739
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion: 94 Resp: 564949

Ion	Ratio	Lower	Upper
94	100		
65	29.2	8.5	48.5
66	39.5	17.3	57.3



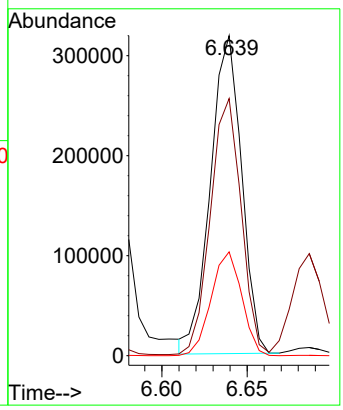


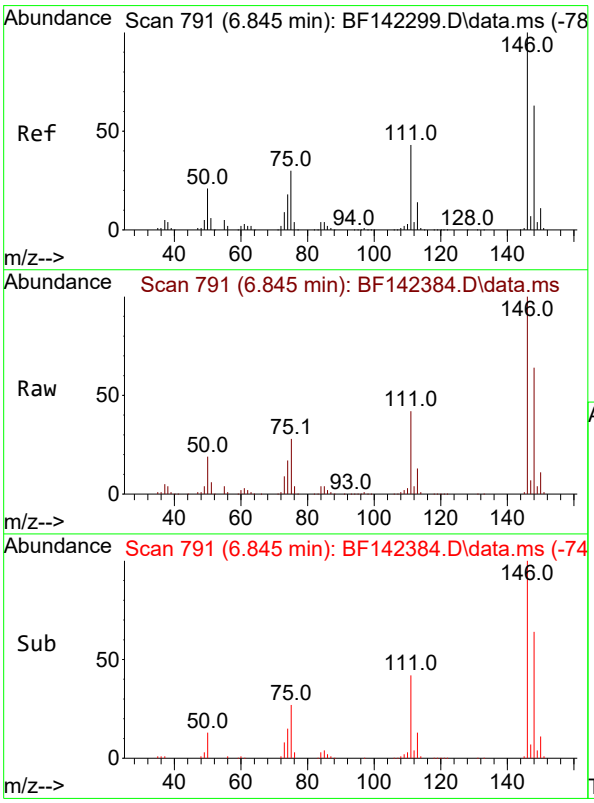
#11
bis(2-Chloroethyl)ether
Concen: 32.018 ng
RT: 6.639 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 403831

Ion	Ratio	Lower	Upper
93	100		
63	80.3	58.4	98.4
95	32.5	10.6	50.6

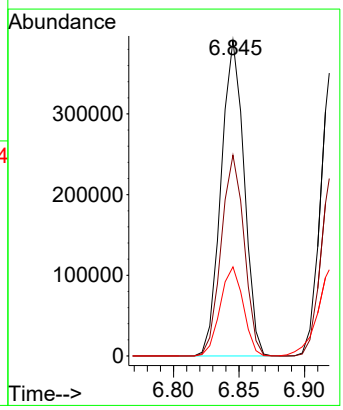


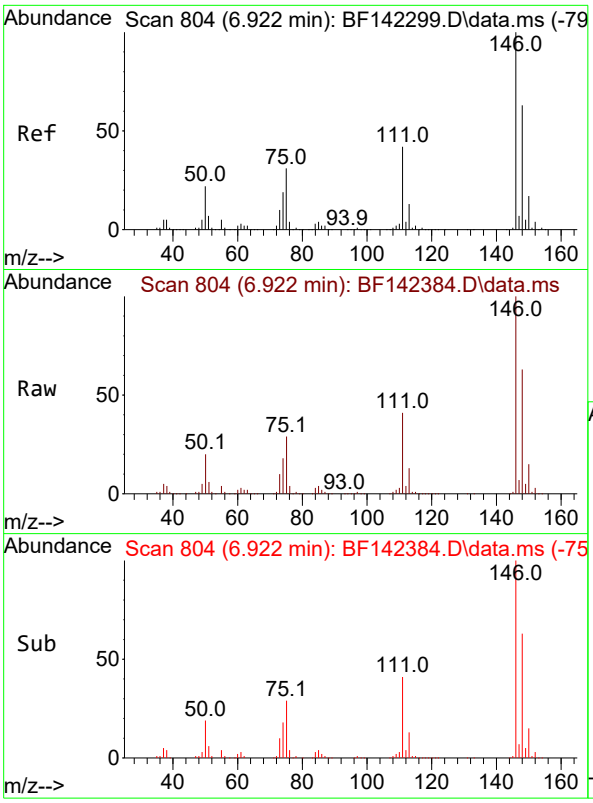


#12
1,3-Dichlorobenzene
Concen: 39.828 ng
RT: 6.845 min Scan# 791
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:146 Resp: 477678

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.6	76.0
75	28.2	24.2	36.4



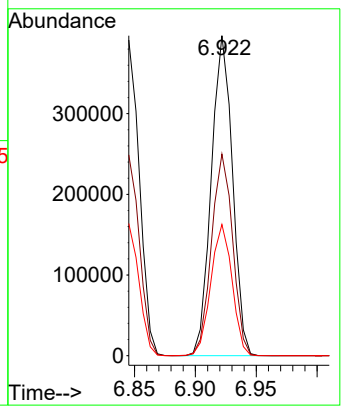


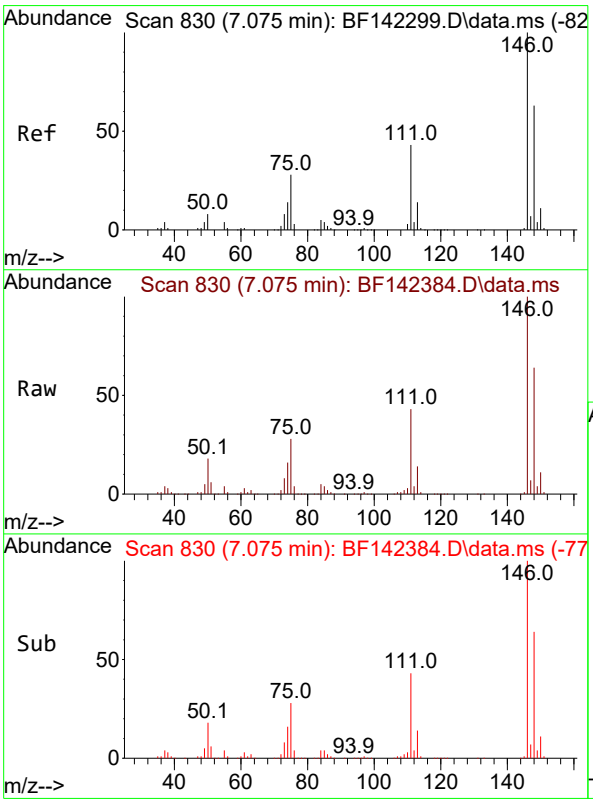
#13
1,4-Dichlorobenzene
Concen: 39.812 ng
RT: 6.922 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 479424

Ion	Ratio	Lower	Upper
146	100		
148	63.0	50.5	75.7
111	41.0	33.4	50.2

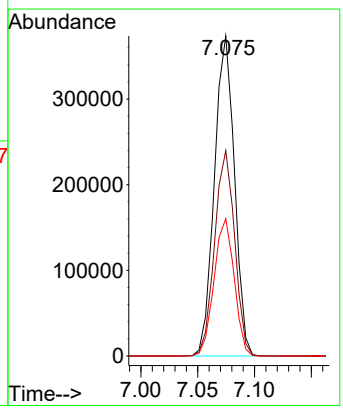


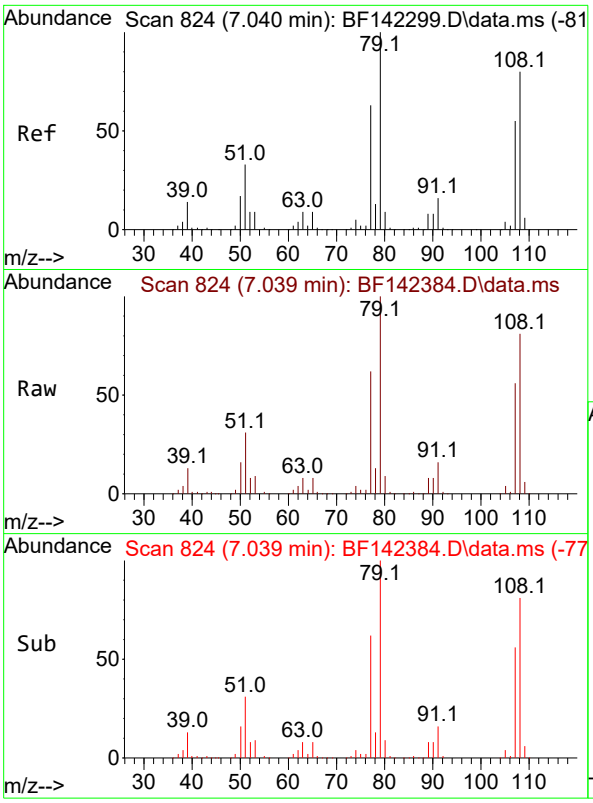


#14
1,2-Dichlorobenzene
Concen: 39.725 ng
RT: 7.075 min Scan# 830
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:146 Resp: 459174

Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.3	75.5
111	42.9	34.5	51.7



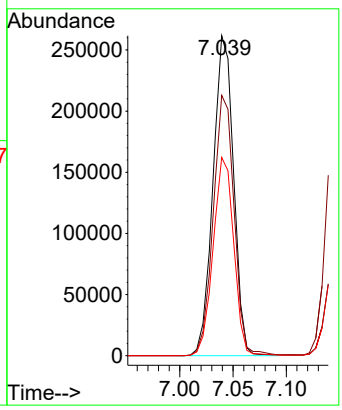


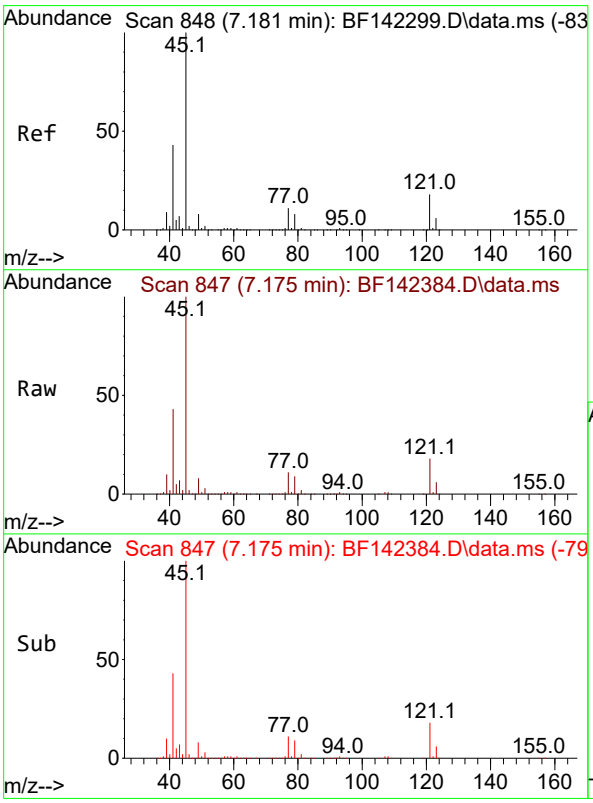
#15
Benzyl Alcohol
Concen: 44.898 ng
RT: 7.039 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 350796

Ion	Ratio	Lower	Upper
79	100		
108	81.3	63.9	95.9
77	61.9	50.7	76.1

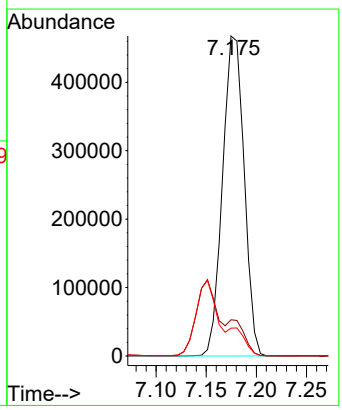


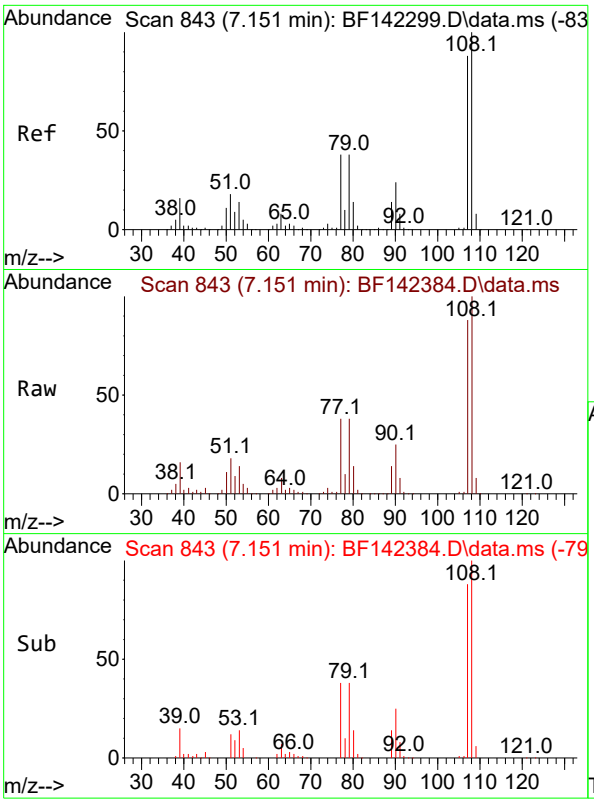


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.159 ng
RT: 7.175 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion: 45 Resp: 699875

Ion	Ratio	Lower	Upper
45	100		
77	11.3	0.0	31.2
79	8.7	0.0	28.5



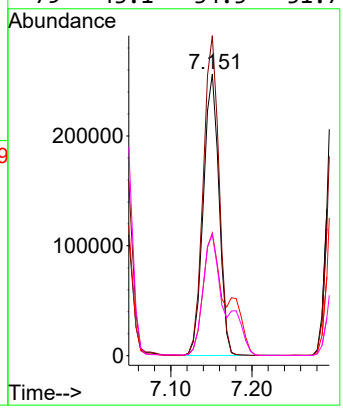


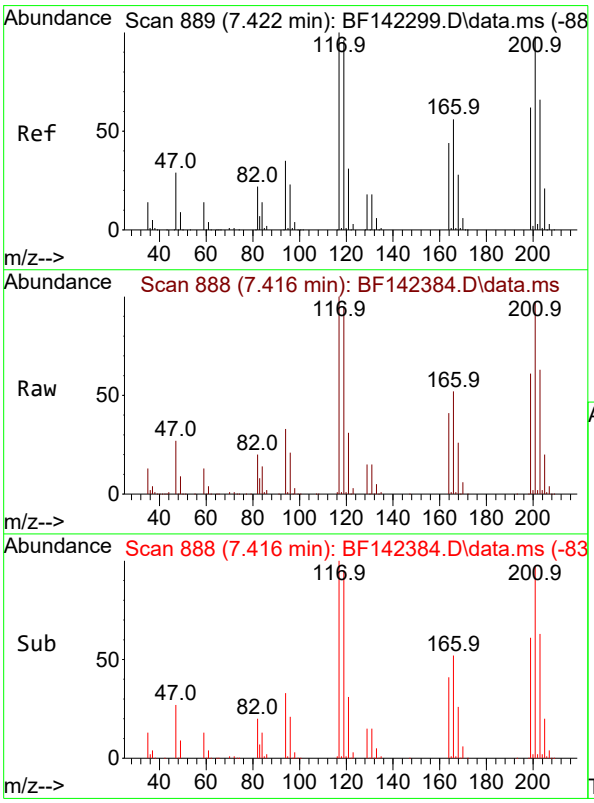
#17
2-Methylphenol
Concen: 40.240 ng
RT: 7.151 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 341529

Ion	Ratio	Lower	Upper
107	100		
108	113.7	91.1	136.7
77	43.6	34.7	52.1
79	43.1	34.5	51.7

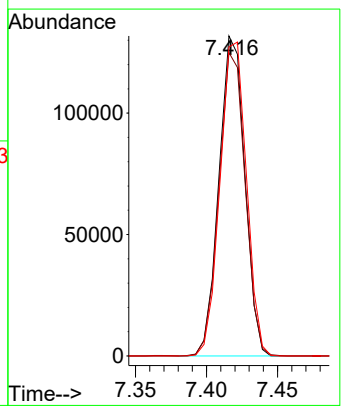


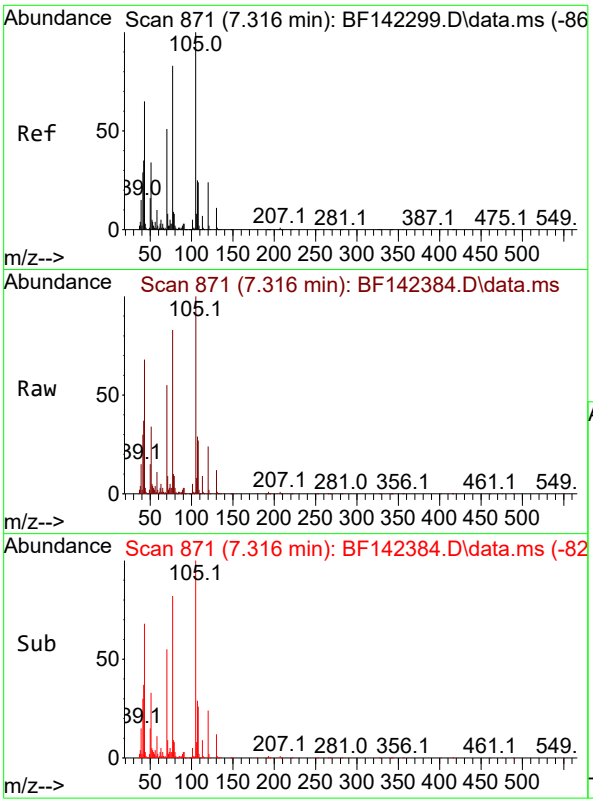


#18
Hexachloroethane
Concen: 41.602 ng
RT: 7.416 min Scan# 888
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:117 Resp: 166684

Ion	Ratio	Lower	Upper
117	100		
119	94.8	76.9	115.3
201	96.6	78.0	117.0



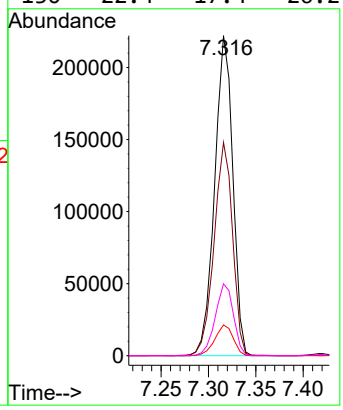


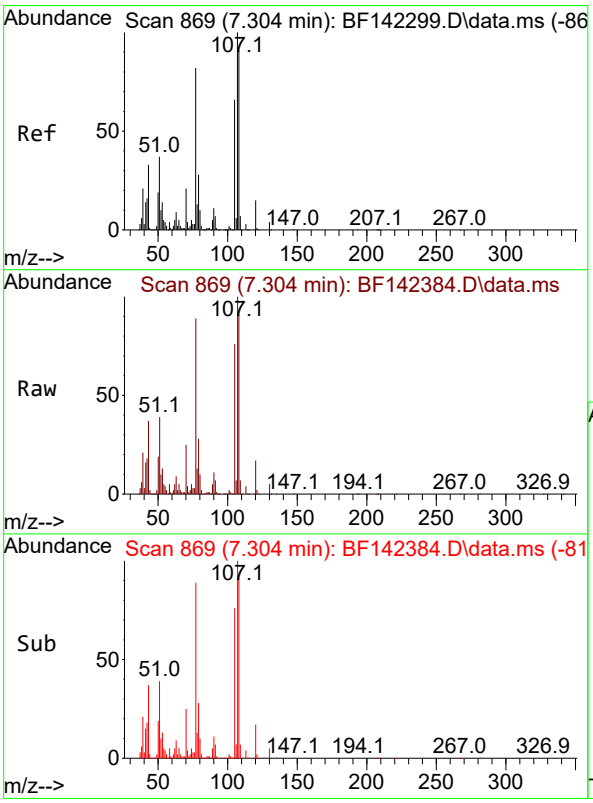
#19
n-Nitroso-di-n-propylamine
Concen: 39.827 ng
RT: 7.316 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 297251

Ion	Ratio	Lower	Upper
70	100		
42	66.6	54.8	82.2
101	9.6	7.7	11.5
130	22.4	17.4	26.2

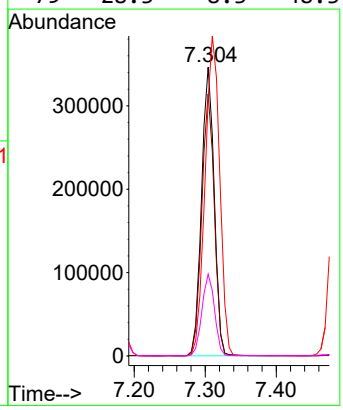


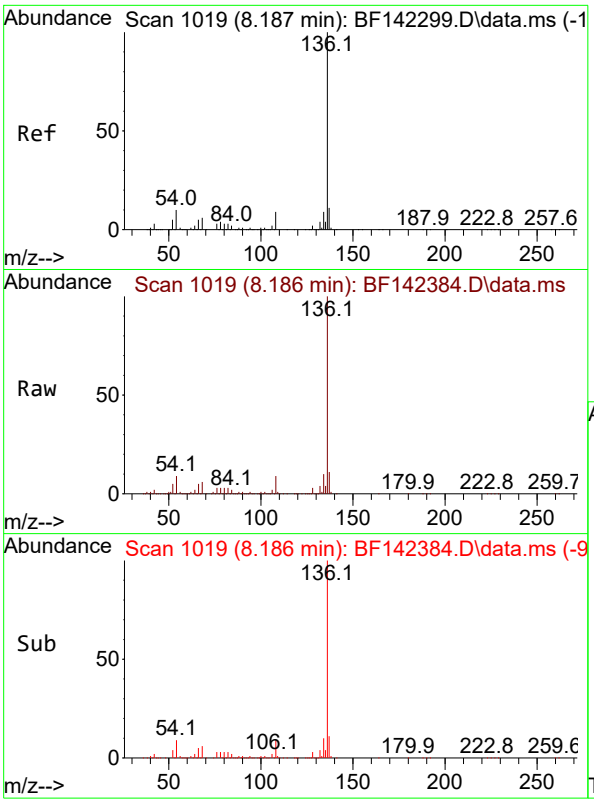


#20
3+4-Methylphenols
Concen: 40.498 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:107 Resp: 428978

Ion	Ratio	Lower	Upper
107	100		
108	90.7	71.5	111.5
77	88.9	61.6	101.6
79	28.3	8.3	48.3



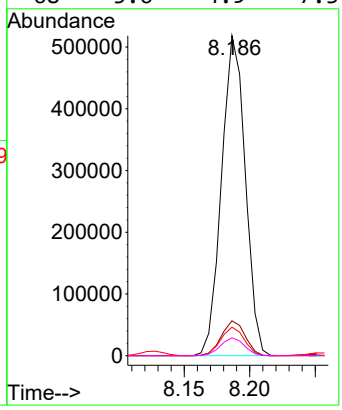


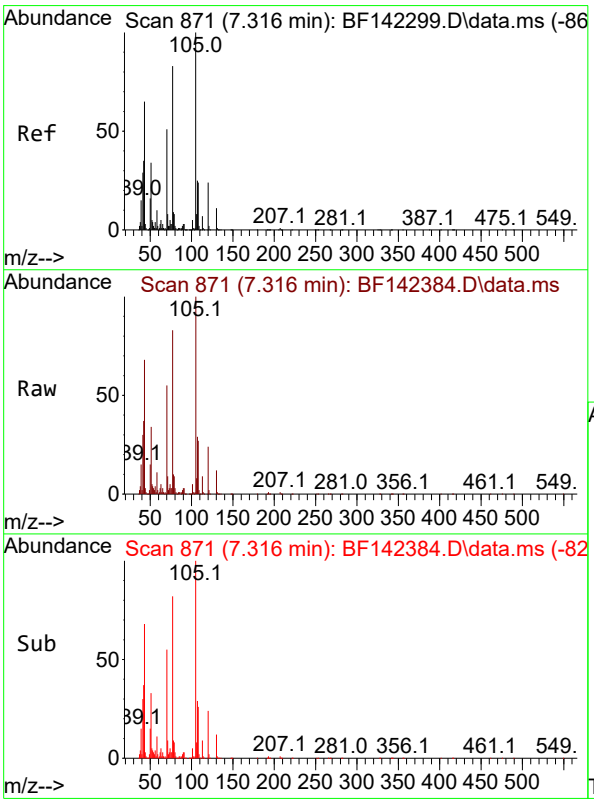
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 652293

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	8.9	7.7	11.5
68	5.6	4.9	7.3

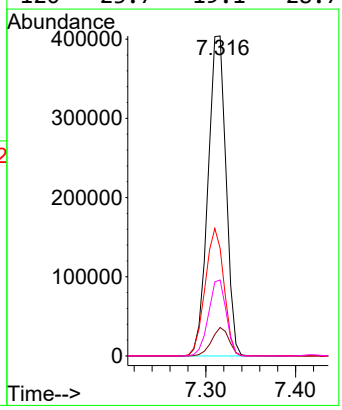


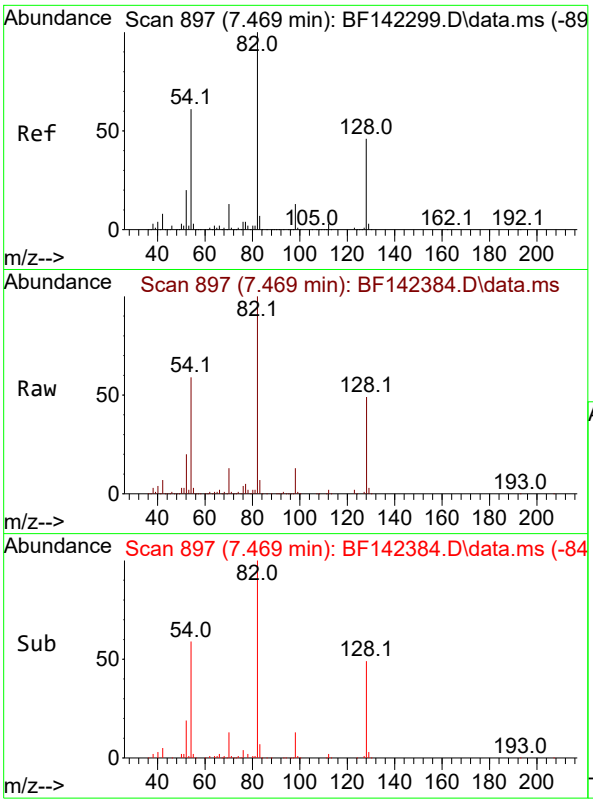


#22
Acetophenone
Concen: 38.876 ng
RT: 7.316 min Scan# 871
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:105 Resp: 563832

Ion	Ratio	Lower	Upper
105	100		
71	8.9	6.7	10.1
51	33.7	27.6	41.4
120	23.7	19.1	28.7



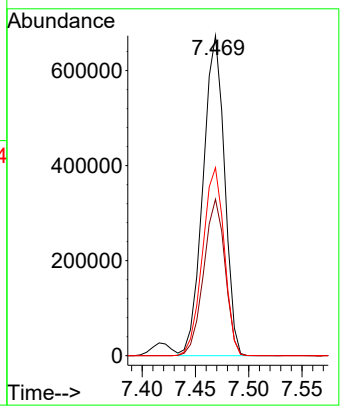


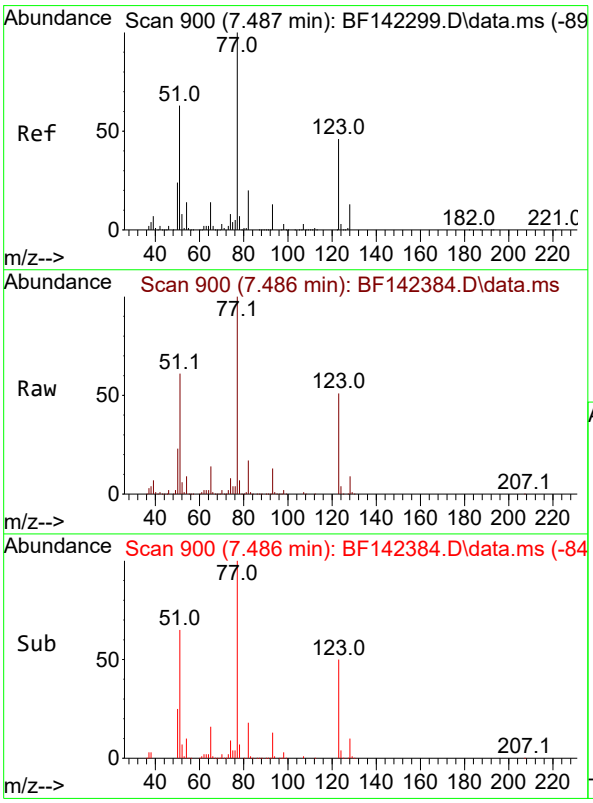
#23
Nitrobenzene-d5
Concen: 88.437 ng
RT: 7.469 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 945883

Ion	Ratio	Lower	Upper
82	100		
128	48.9	37.0	55.6
54	58.8	48.6	73.0

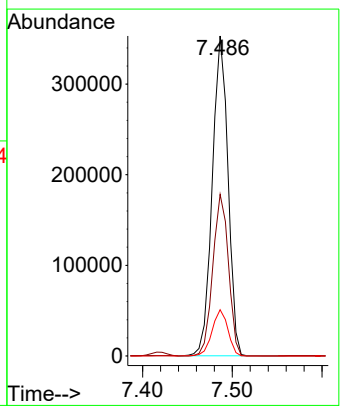


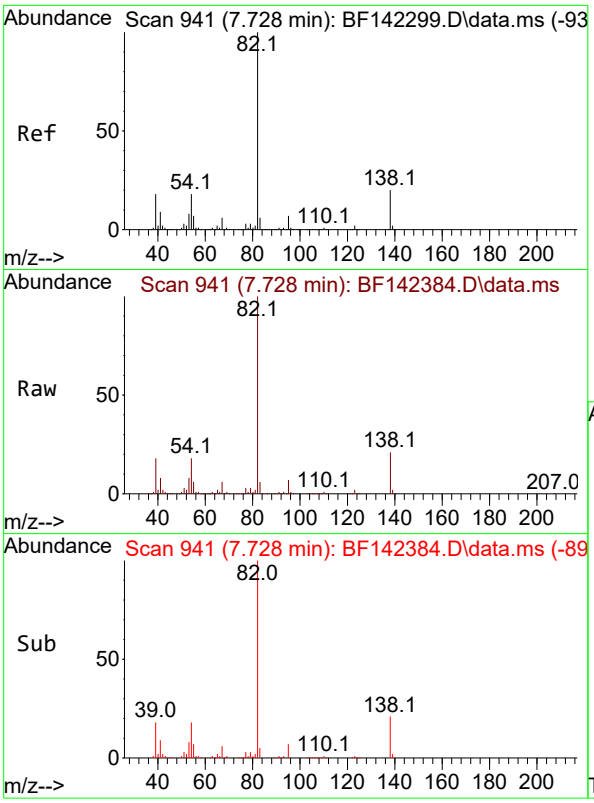


#24
Nitrobenzene
Concen: 42.519 ng
RT: 7.486 min Scan# 900
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion: 77 Resp: 428681

Ion	Ratio	Lower	Upper
77	100		
123	50.5	37.8	56.8
65	14.4	11.4	17.0



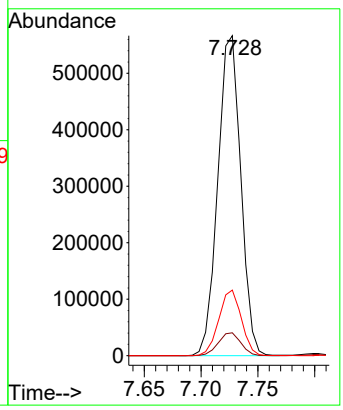


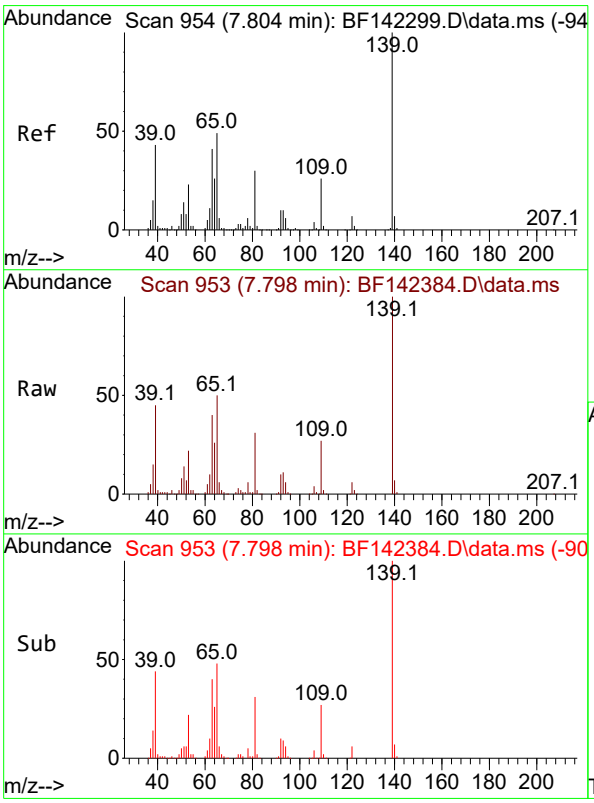
#25
Isophorone
Concen: 39.386 ng
RT: 7.728 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 797707

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.8	8.8
138	20.5	16.1	24.1

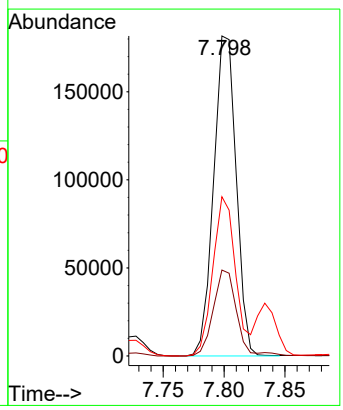


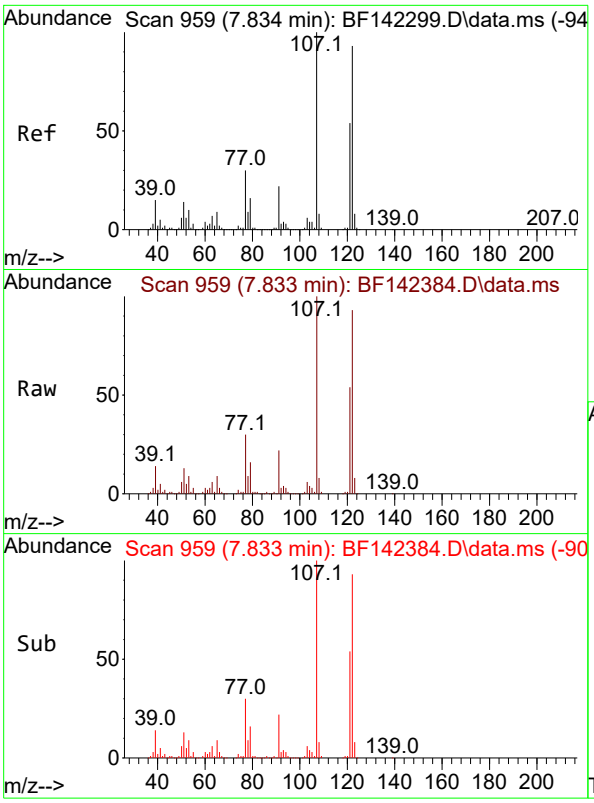


#26
2-Nitrophenol
Concen: 48.180 ng
RT: 7.798 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:139 Resp: 234213

Ion	Ratio	Lower	Upper
139	100		
109	26.8	20.8	31.2
65	49.7	38.9	58.3



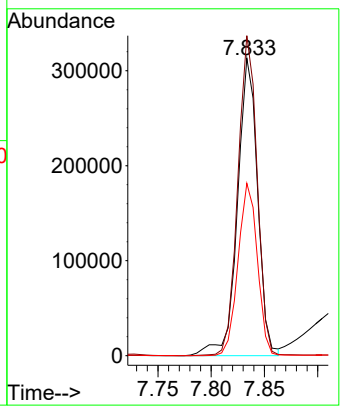


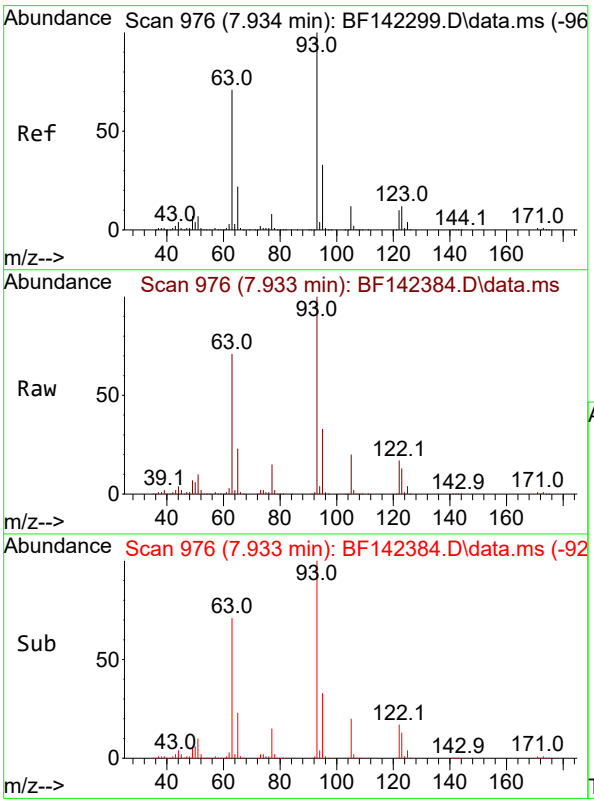
#27
2,4-Dimethylphenol
Concen: 40.579 ng
RT: 7.833 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 413214

Ion	Ratio	Lower	Upper
122	100		
107	107.6	86.0	129.0
121	58.0	46.2	69.4

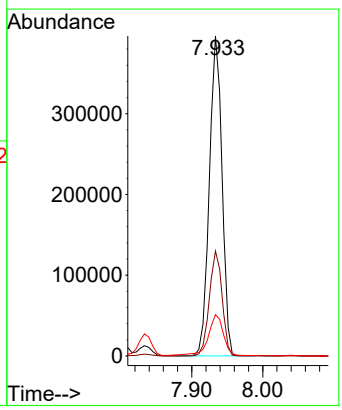


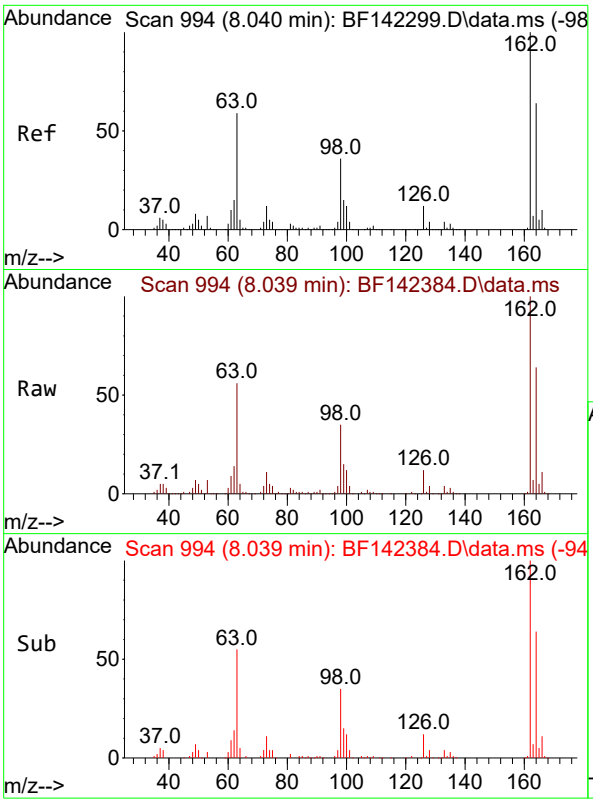


#28
bis(2-Chloroethoxy)methane
Concen: 37.765 ng
RT: 7.933 min Scan# 976
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion: 93 Resp: 491833

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.1	39.1
123	12.9	10.2	15.4



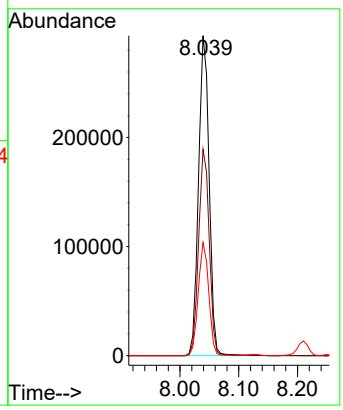


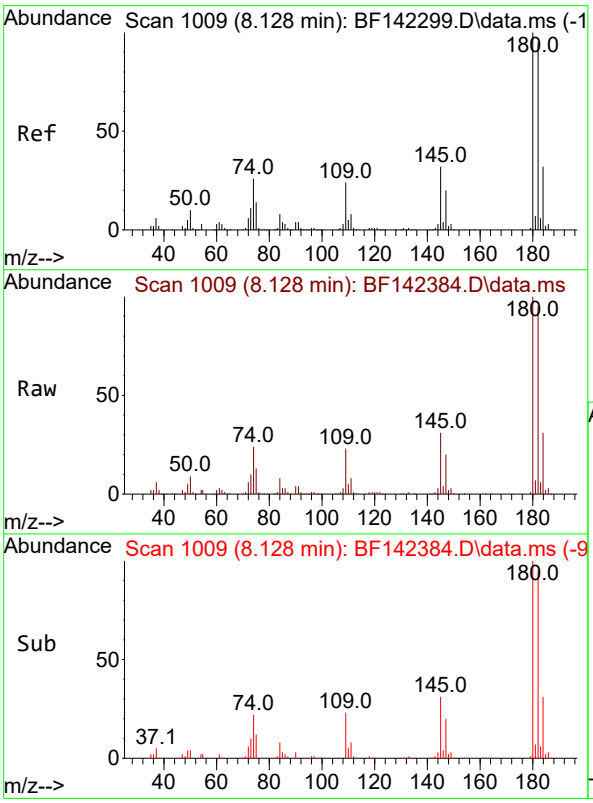
#29
2,4-Dichlorophenol
Concen: 42.484 ng
RT: 8.039 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 367794

Ion	Ratio	Lower	Upper
162	100		
164	64.5	43.6	83.6
98	35.3	16.5	56.5

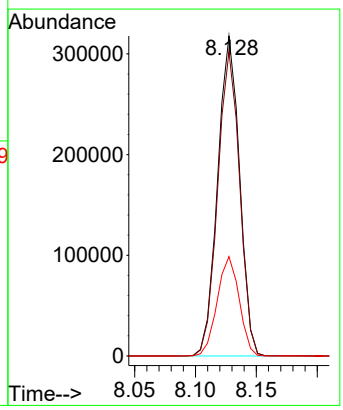


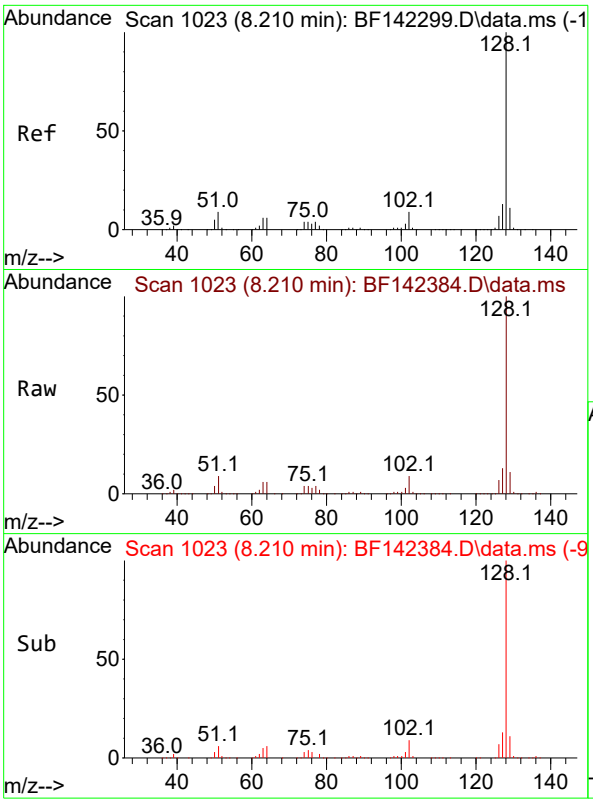


#30
1,2,4-Trichlorobenzene
Concen: 40.845 ng
RT: 8.128 min Scan# 1009
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:180 Resp: 397960

Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.2	114.4
145	31.1	25.8	38.6



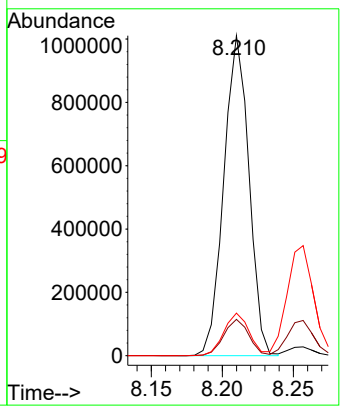


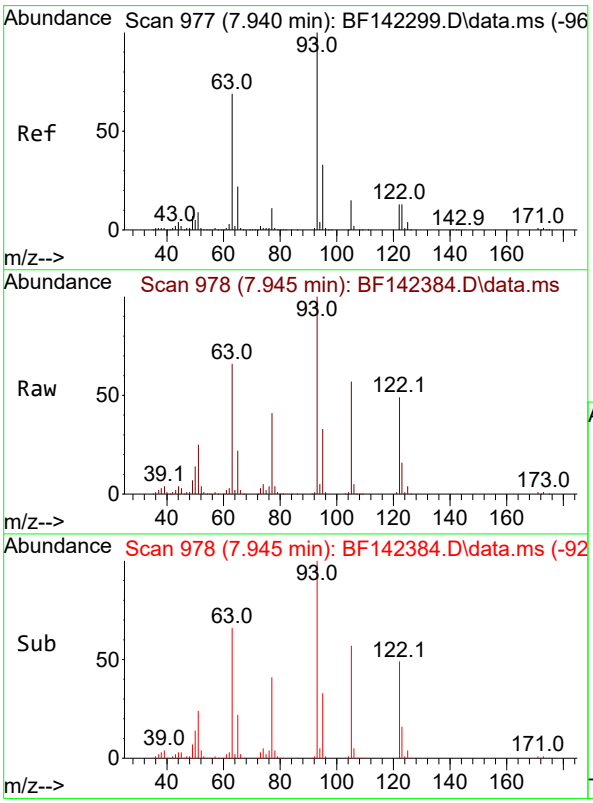
#31
Naphthalene
Concen: 39.273 ng
RT: 8.210 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 1241567

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.1	13.7
127	13.3	10.5	15.7

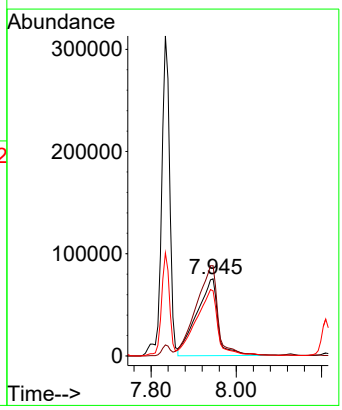


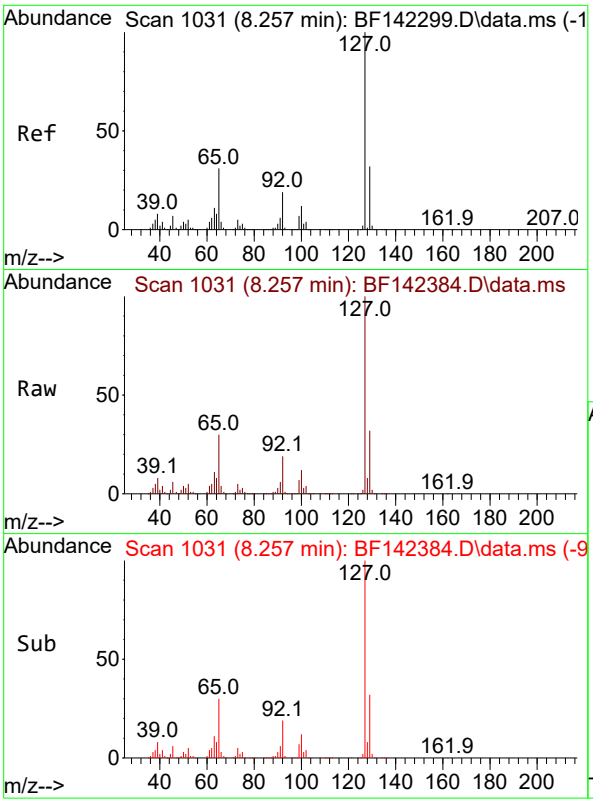


#32
Benzoic acid
Concen: 48.080 ng
RT: 7.945 min Scan# 978
Delta R.T. 0.005 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:122 Resp: 262715

Ion	Ratio	Lower	Upper
122	100		
105	117.0	97.9	137.9
77	84.4	67.7	107.7



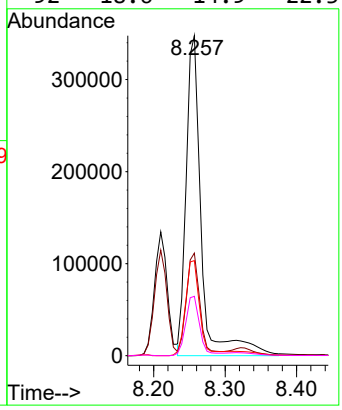


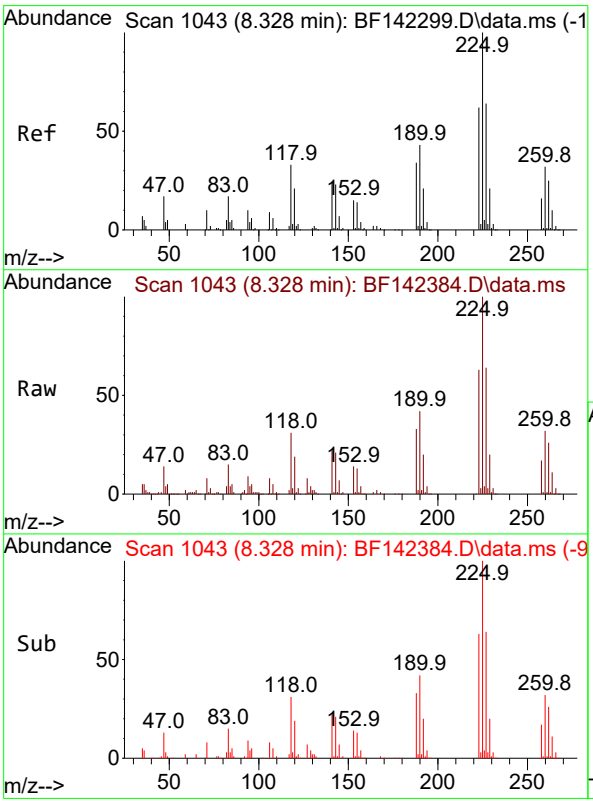
#33
4-Chloroaniline
Concen: 39.930 ng m
RT: 8.257 min Scan# 1
Delta R.T. -0.010 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 515092

Ion	Ratio	Lower	Upper
127	100		
129	32.0	25.7	38.5
65	29.7	24.9	37.3
92	18.6	14.9	22.3

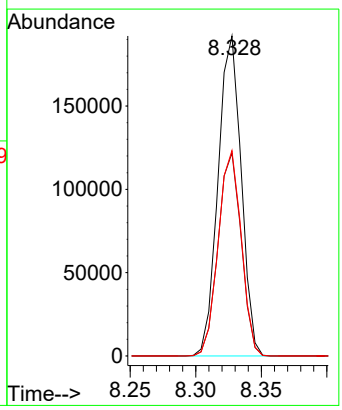


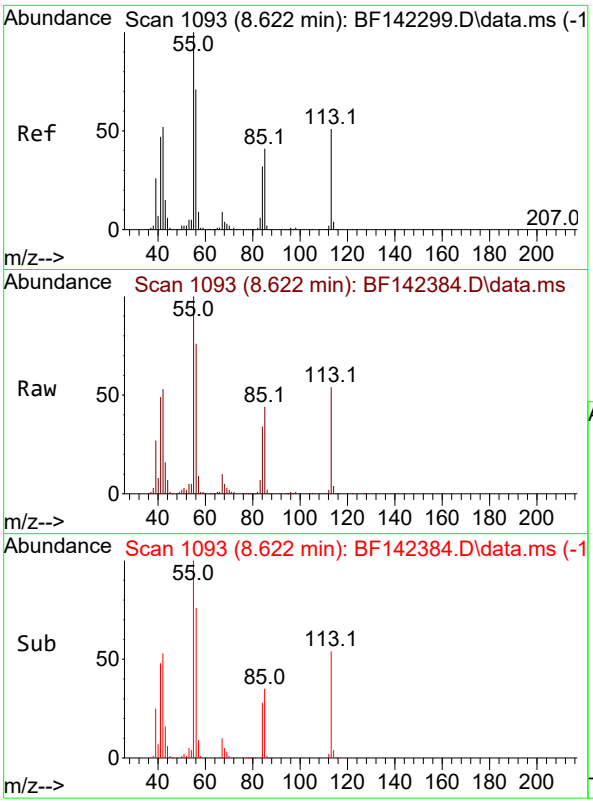


#34
Hexachlorobutadiene
Concen: 40.762 ng
RT: 8.328 min Scan# 1043
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:225 Resp: 235169

Ion	Ratio	Lower	Upper
225	100		
223	63.4	49.8	74.6
227	64.2	50.9	76.3



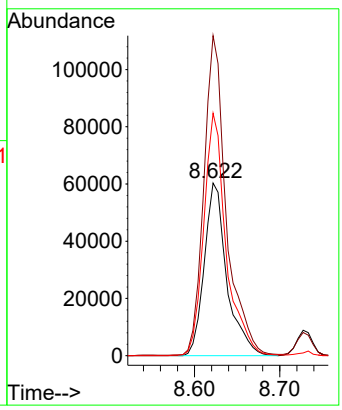


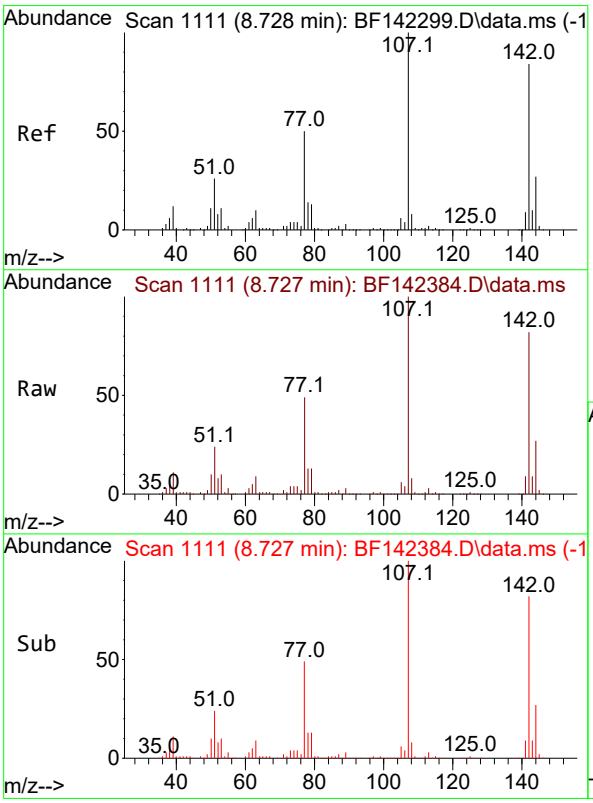
#35
Caprolactam
Concen: 43.955 ng
RT: 8.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 110904

Ion	Ratio	Lower	Upper
113	100		
55	185.4	176.4	216.4
56	140.4	120.3	160.3

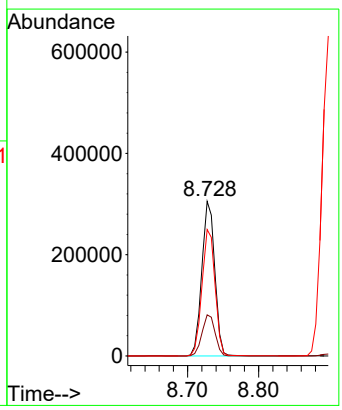


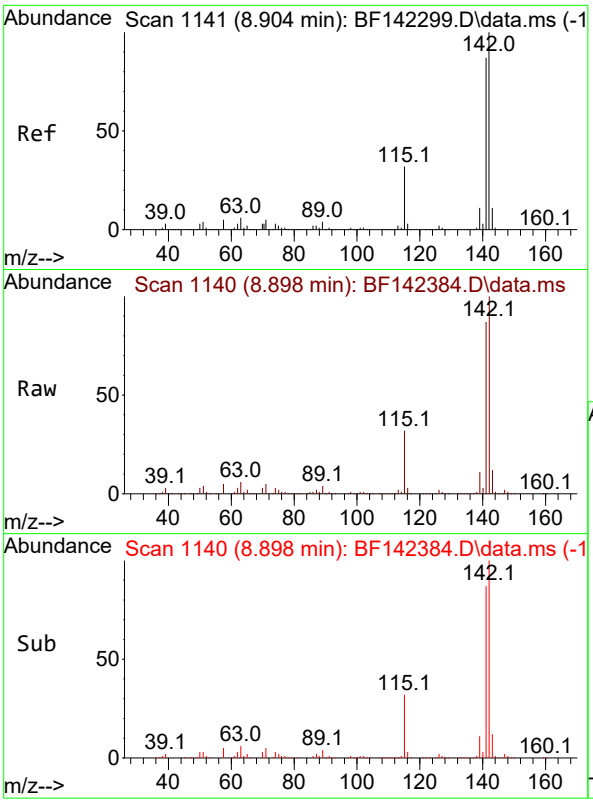


#36
4-Chloro-3-methylphenol
Concen: 43.207 ng
RT: 8.727 min Scan# 1111
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:107 Resp: 388839

Ion	Ratio	Lower	Upper
107	100		
144	26.6	21.3	31.9
142	81.8	66.9	100.3



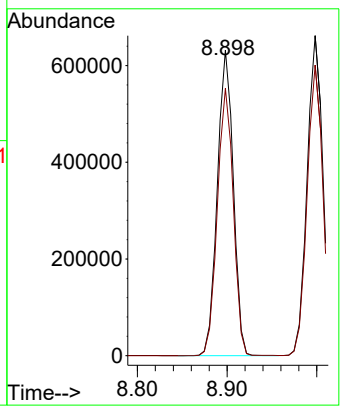


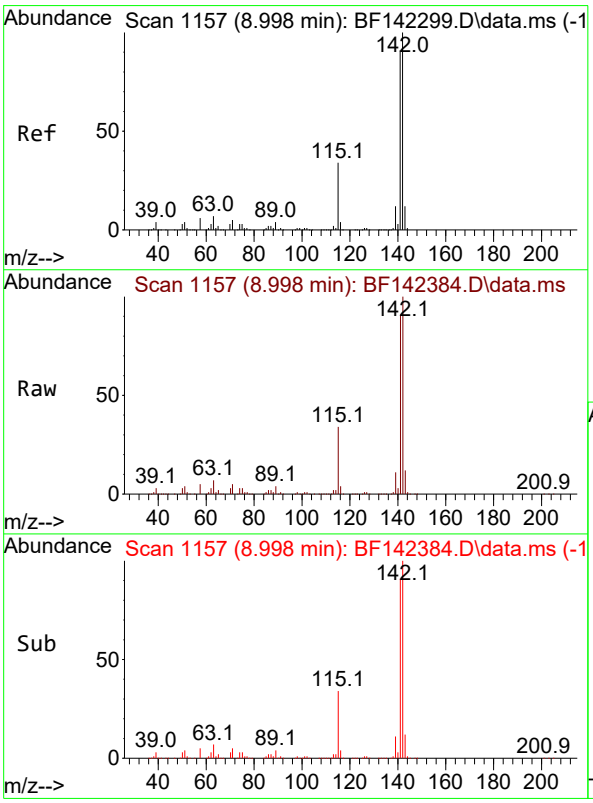
#37
2-Methylnaphthalene
Concen: 39.695 ng
RT: 8.898 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 779778

Ion	Ratio	Lower	Upper
142	100		
141	87.5	69.4	104.2

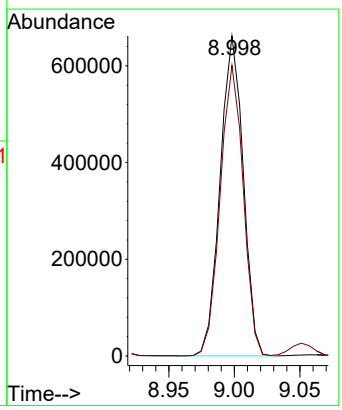


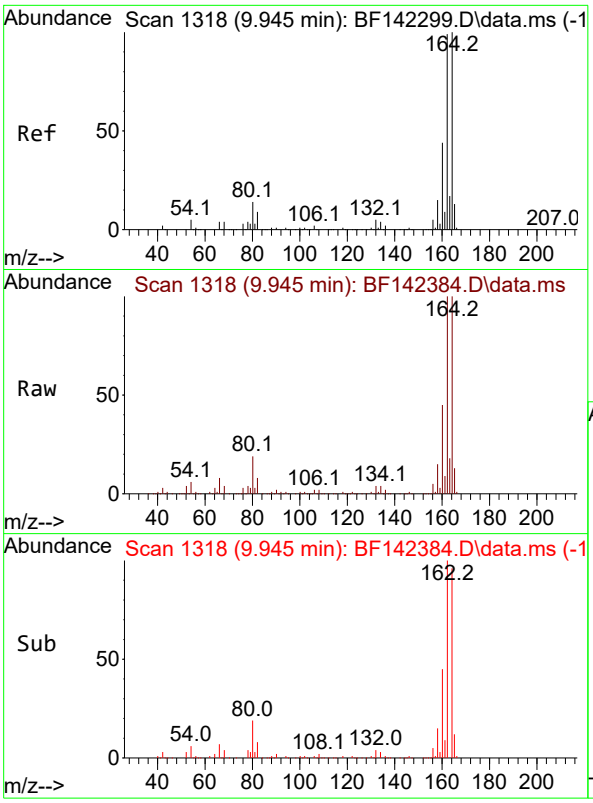


#38
1-Methylnaphthalene
Concen: 39.461 ng
RT: 8.998 min Scan# 1157
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:142 Resp: 807941

Ion	Ratio	Lower	Upper
142	100		
141	90.8	72.5	108.7



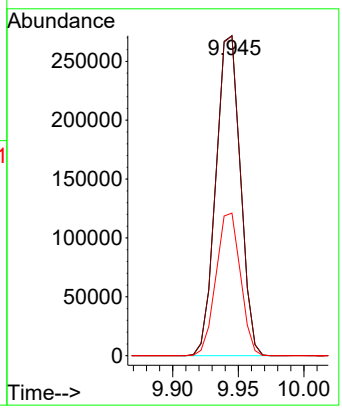


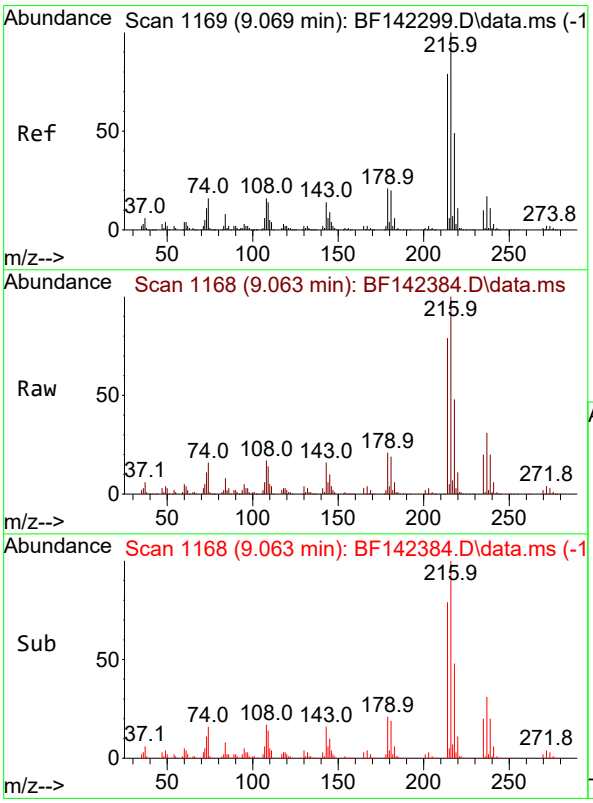
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 352544

Ion	Ratio	Lower	Upper
164	100		
162	100.0	79.2	118.8
160	44.6	35.3	52.9

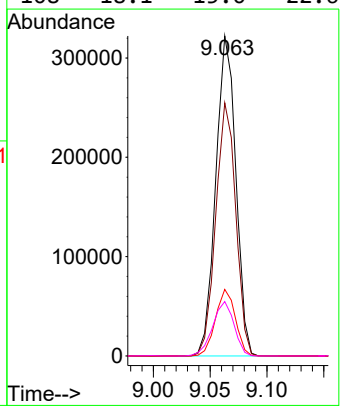


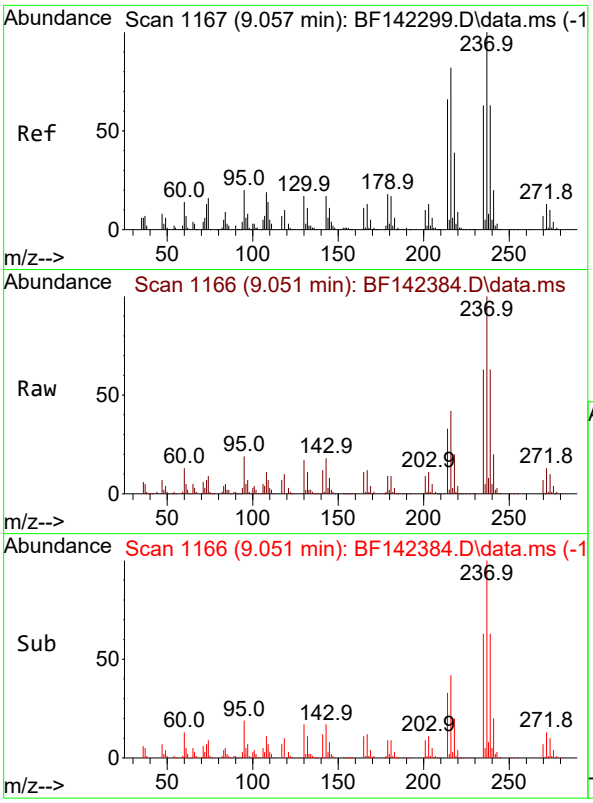


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.244 ng
RT: 9.063 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:216 Resp: 396248

Ion	Ratio	Lower	Upper
216	100		
214	78.8	63.8	95.6
179	20.6	17.0	25.6
108	18.1	15.0	22.6



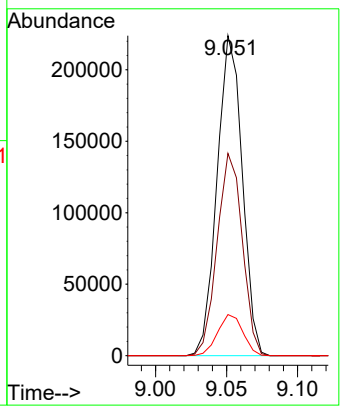


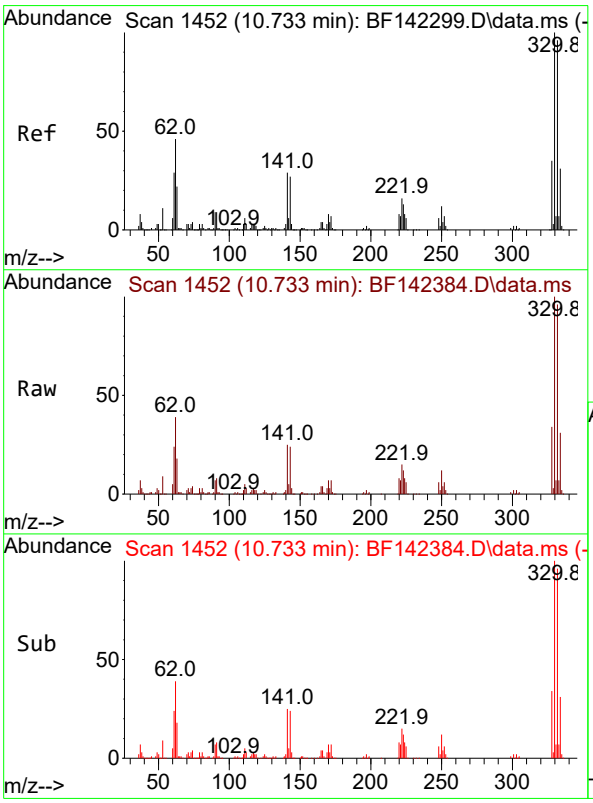
#41
Hexachlorocyclopentadiene
Concen: 45.288 ng
RT: 9.051 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 275586

Ion	Ratio	Lower	Upper
237	100		
235	63.2	42.8	82.8
272	12.9	0.0	33.0

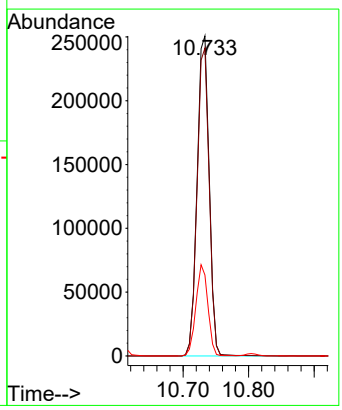


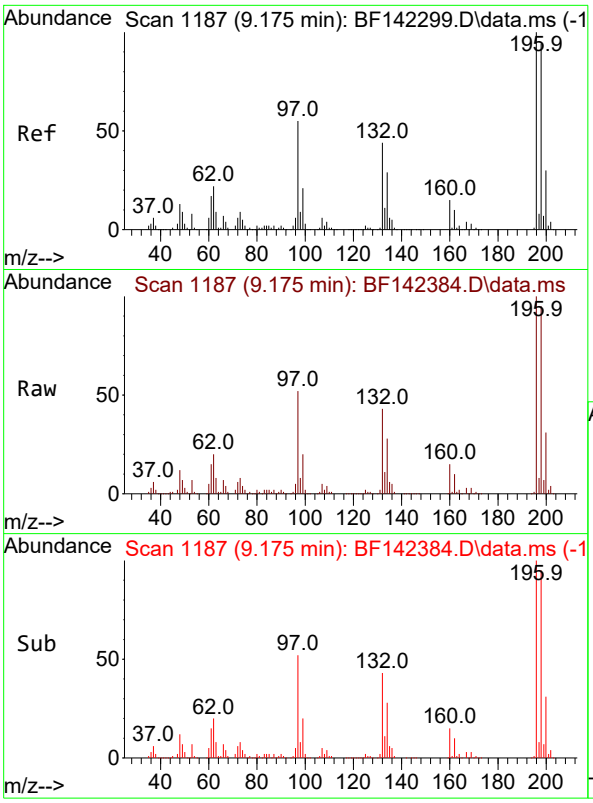


#42
2,4,6-Tribromophenol
Concen: 94.468 ng
RT: 10.733 min Scan# 1452
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:330 Resp: 321545

Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.8	115.2
141	28.3	24.9	37.3



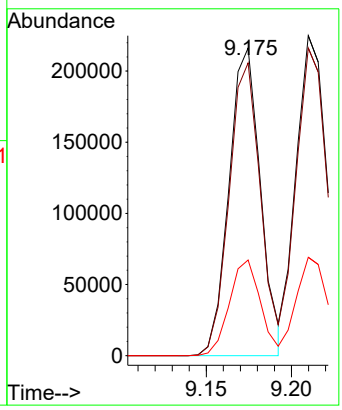


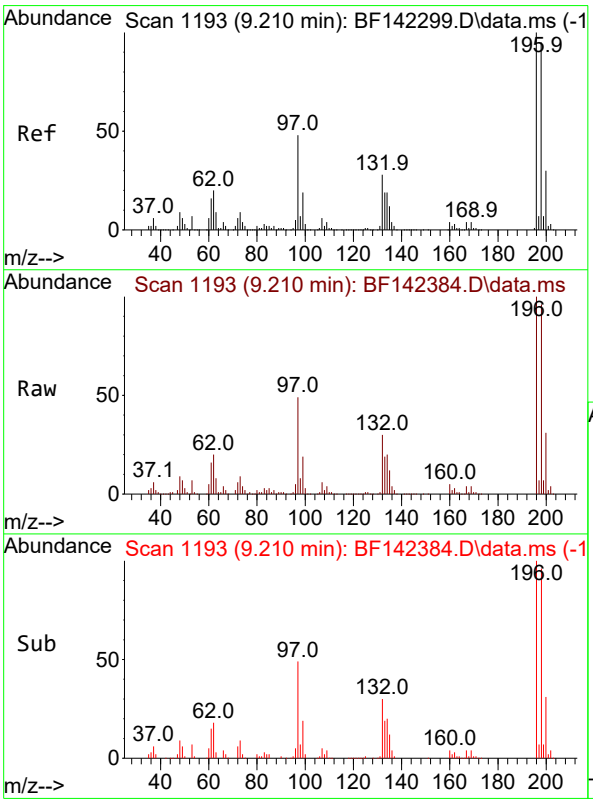
#43
2,4,6-Trichlorophenol
Concen: 44.660 ng
RT: 9.175 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 277366

Ion	Ratio	Lower	Upper
196	100		
198	95.2	75.4	113.0
200	31.1	24.3	36.5

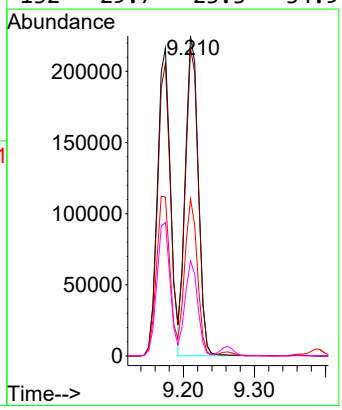


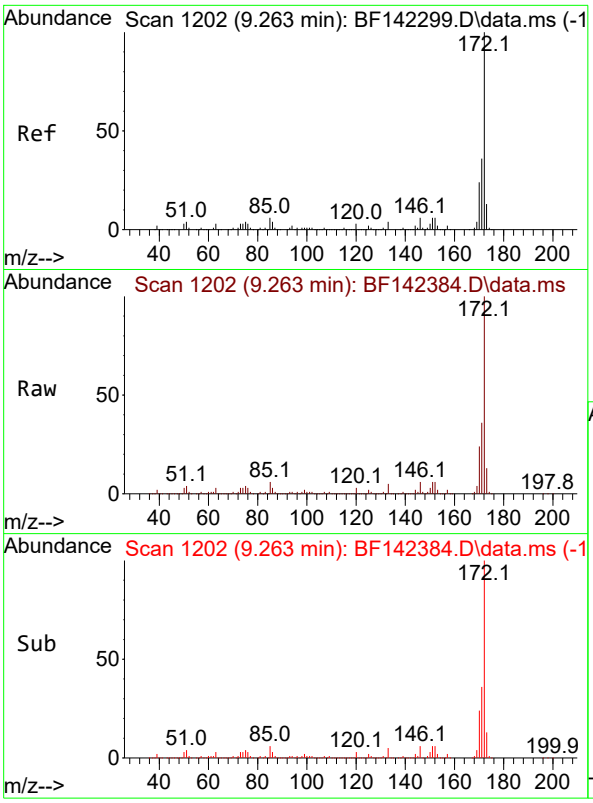


#44
2,4,5-Trichlorophenol
Concen: 43.069 ng
RT: 9.210 min Scan# 1193
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:196 Resp: 284606

Ion	Ratio	Lower	Upper
196	100		
198	96.2	76.1	114.1
97	49.1	39.0	58.4
132	29.7	23.3	34.9



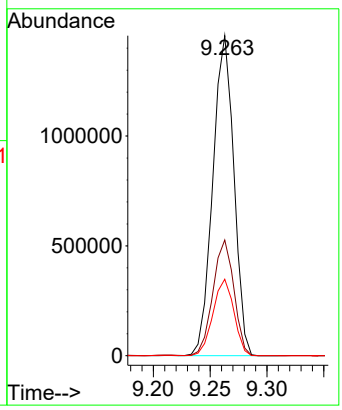


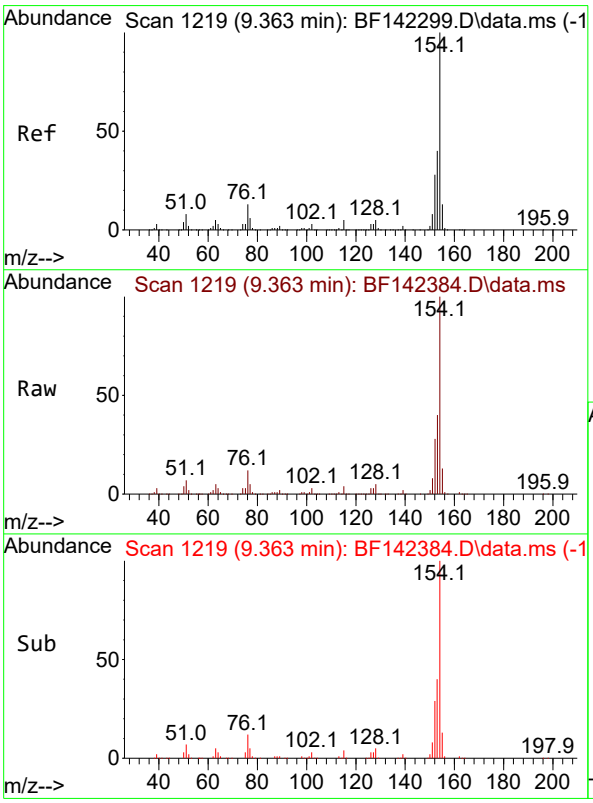
#45
2-Fluorobiphenyl
Concen: 76.057 ng
RT: 9.263 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 1880482

Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.6	42.8
170	23.9	19.0	28.4

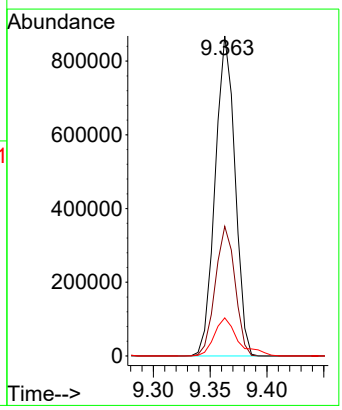


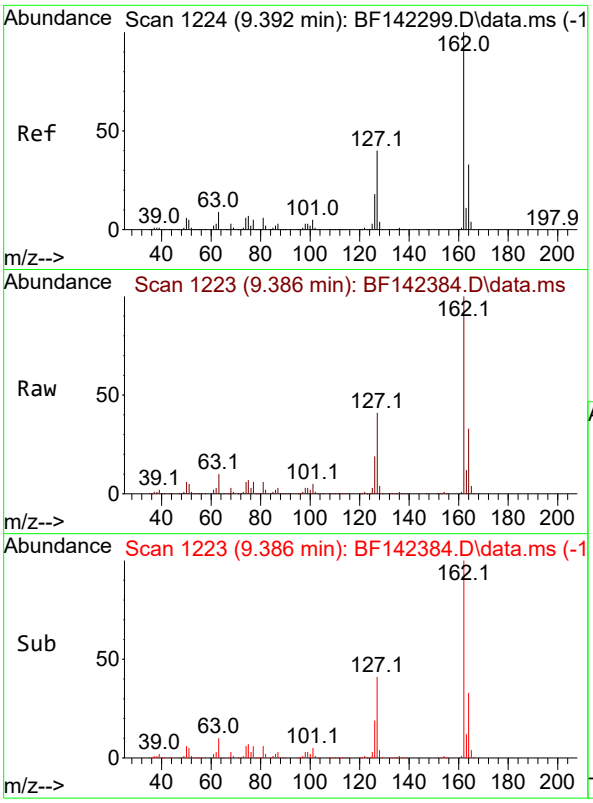


#46
1,1'-Biphenyl
Concen: 39.019 ng
RT: 9.363 min Scan# 1219
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:154 Resp: 1054716

Ion	Ratio	Lower	Upper
154	100		
153	40.5	20.5	60.5
76	11.9	0.0	32.8



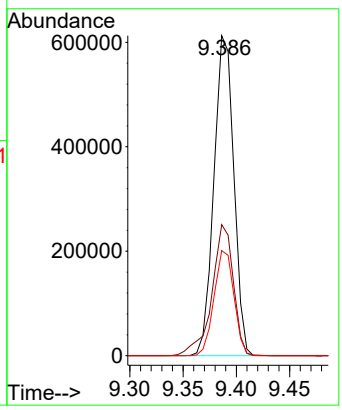


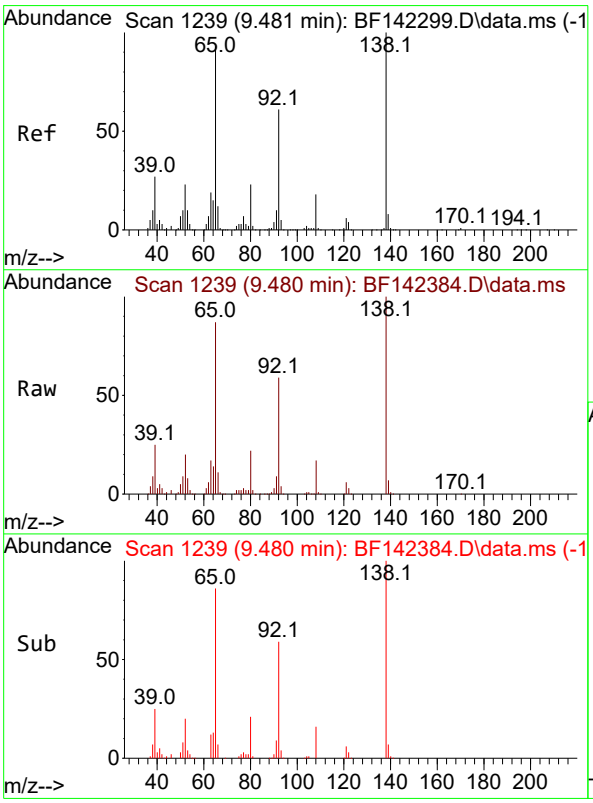
#47
2-Chloronaphthalene
Concen: 39.480 ng
RT: 9.386 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 793640

Ion	Ratio	Lower	Upper
162	100		
127	40.9	32.3	48.5
164	32.9	26.6	40.0

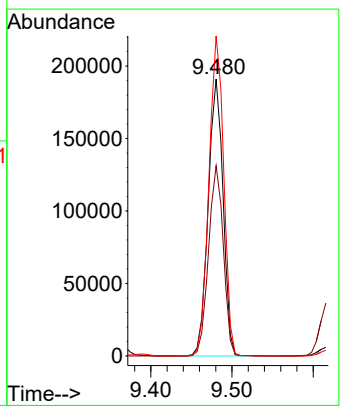


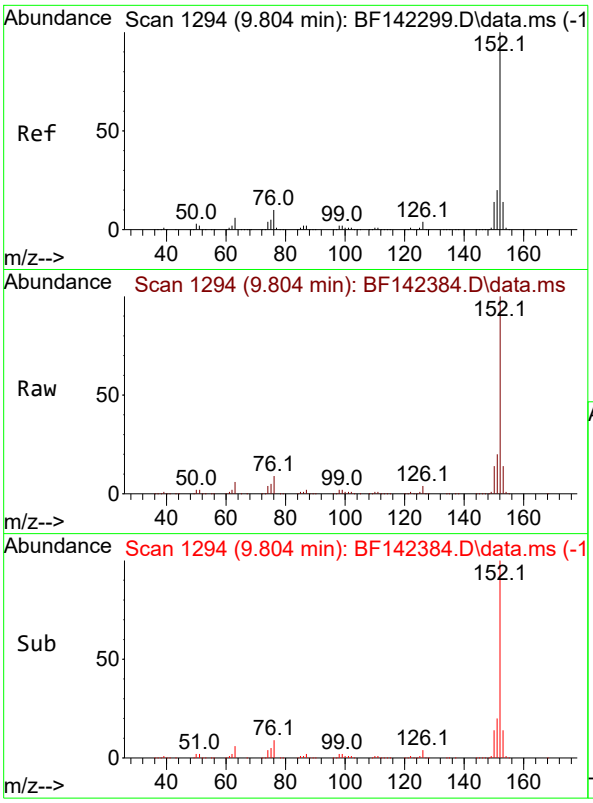


#48
2-Nitroaniline
Concen: 46.970 ng
RT: 9.480 min Scan# 1239
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion: 65 Resp: 242020

Ion	Ratio	Lower	Upper
65	100		
92	68.7	52.3	78.5
138	115.5	85.6	128.4



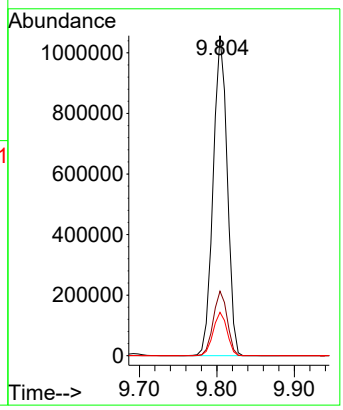


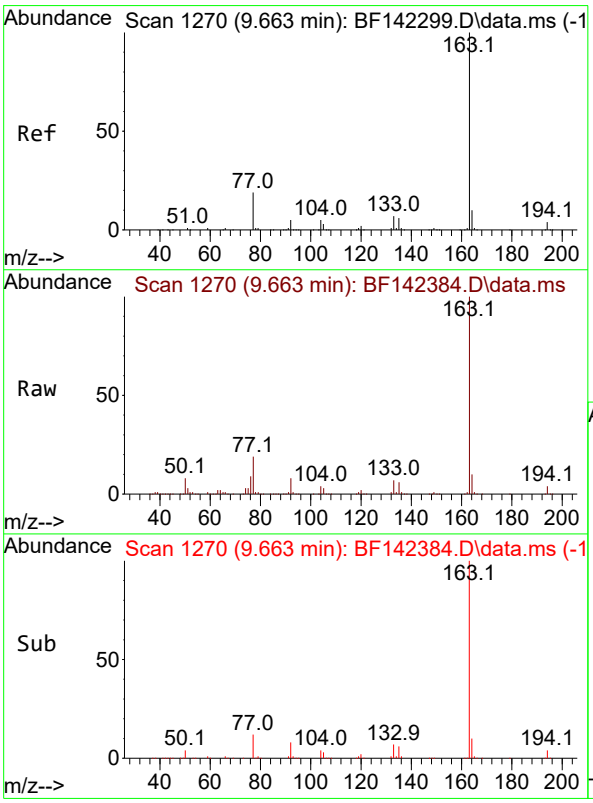
#49
Acenaphthylene
Concen: 39.556 ng
RT: 9.804 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 1330203

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.0	24.0
153	13.5	10.8	16.2

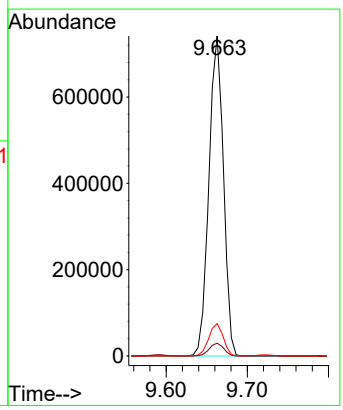


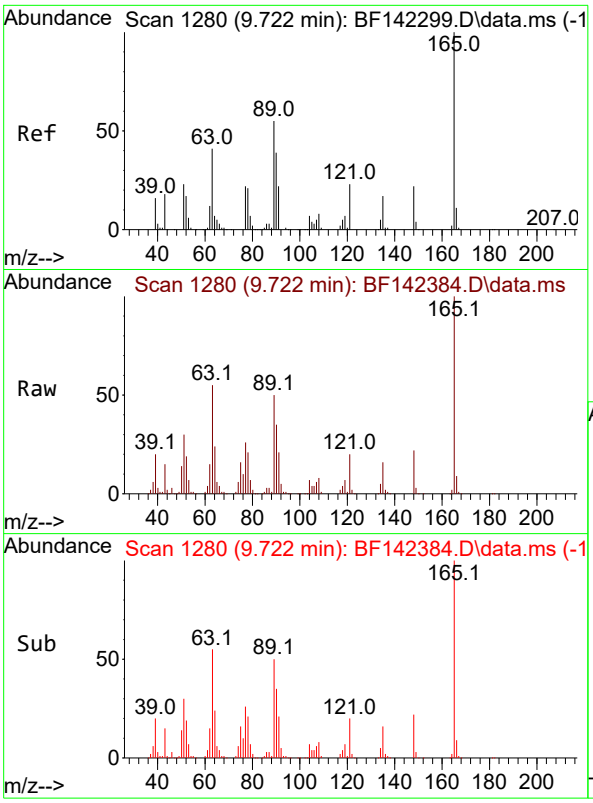


#50
Dimethylphthalate
Concen: 40.641 ng
RT: 9.663 min Scan# 1270
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:163 Resp: 920024

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.2	4.8
164	10.1	8.3	12.5



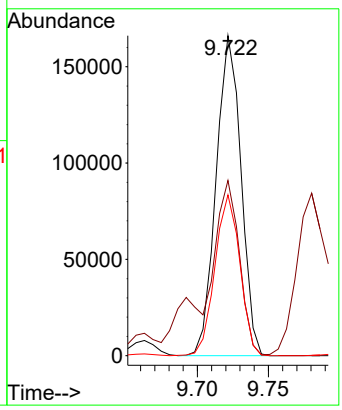


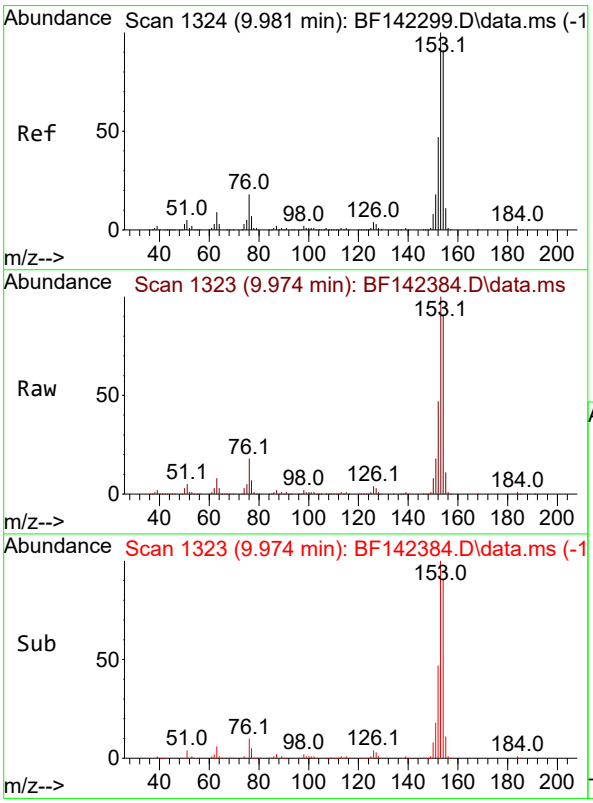
#51
2,6-Dinitrotoluene
Concen: 47.782 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 202470

Ion	Ratio	Lower	Upper
165	100		
63	54.8	49.5	74.3
89	50.3	44.6	66.8

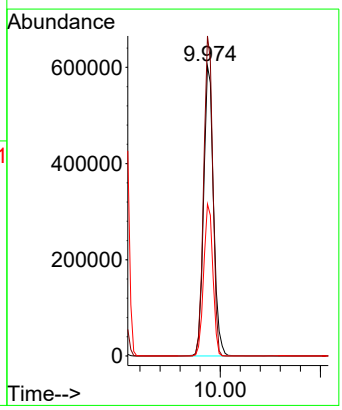


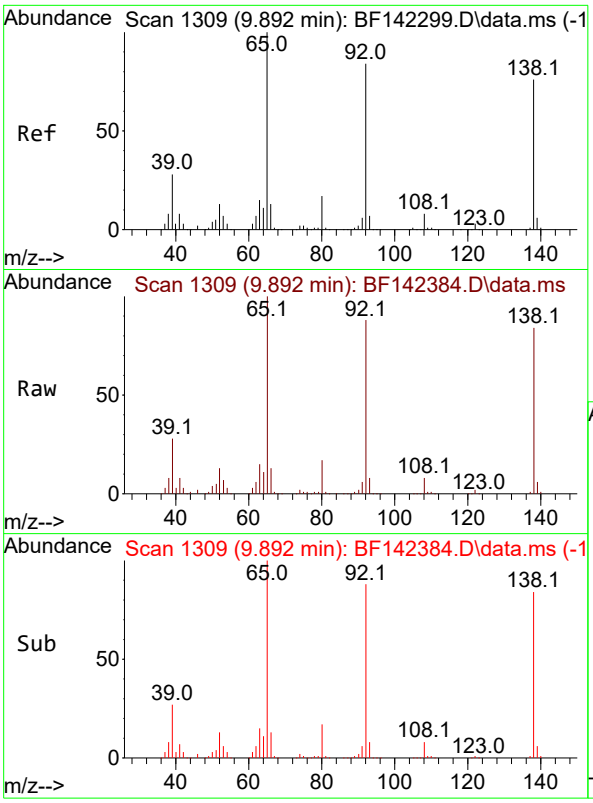


#52
Acenaphthene
Concen: 40.709 ng
RT: 9.974 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:154 Resp: 823139

Ion	Ratio	Lower	Upper
154	100		
153	110.4	88.0	132.0
152	52.4	41.6	62.4



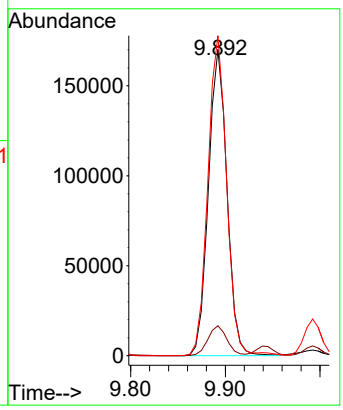


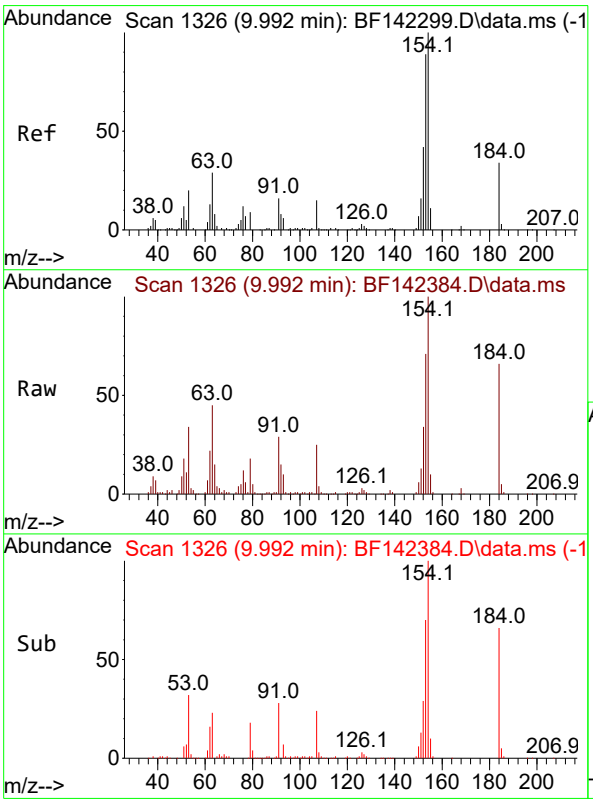
#53
3-Nitroaniline
Concen: 46.586 ng
RT: 9.892 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 231519

Ion	Ratio	Lower	Upper
138	100		
108	9.8	8.7	13.1
92	104.5	89.5	134.3

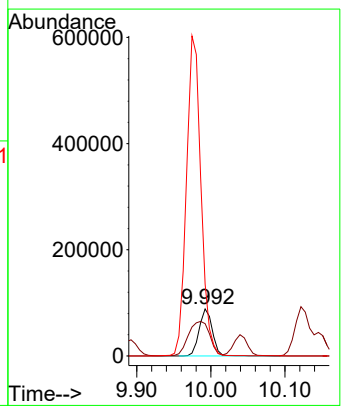


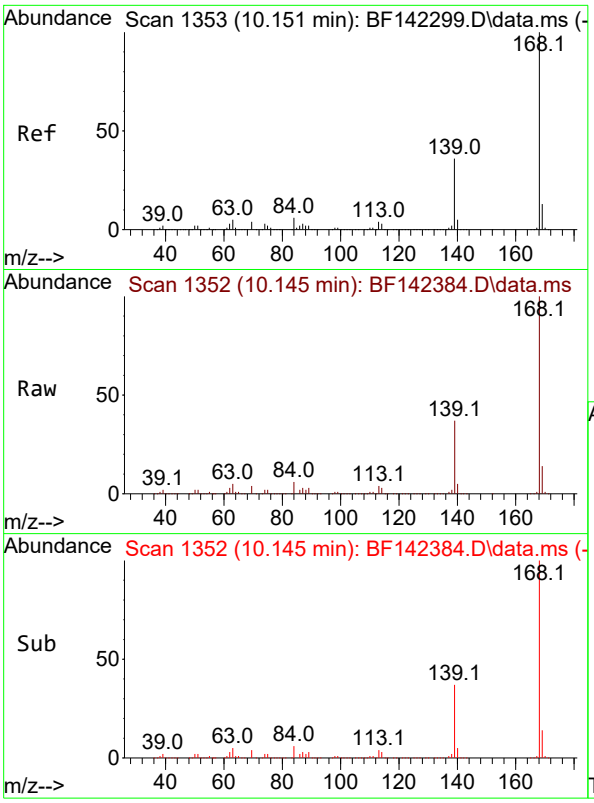


#54
2,4-Dinitrophenol
Concen: 52.287 ng
RT: 9.992 min Scan# 1326
Delta R.T. 0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:184 Resp: 109406

Ion	Ratio	Lower	Upper
184	100		
63	68.7	70.6	105.8#
154	152.4	257.2	385.8#



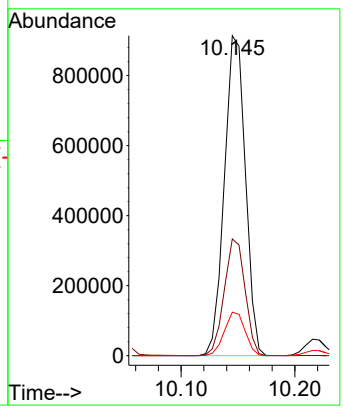


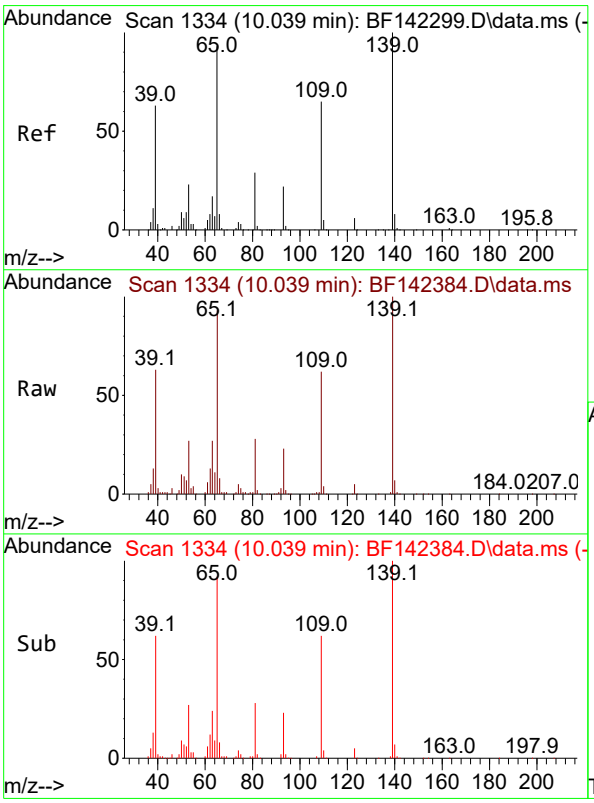
#55
Dibenzofuran
Concen: 39.460 ng
RT: 10.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 1177533

Ion	Ratio	Lower	Upper
168	100		
139	36.5	29.0	43.4
169	13.6	10.7	16.1

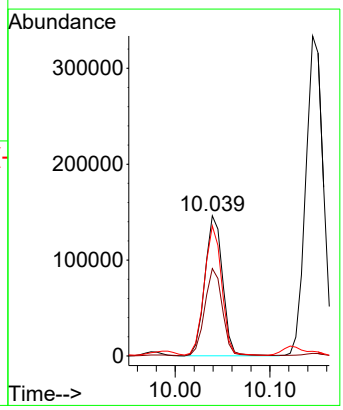


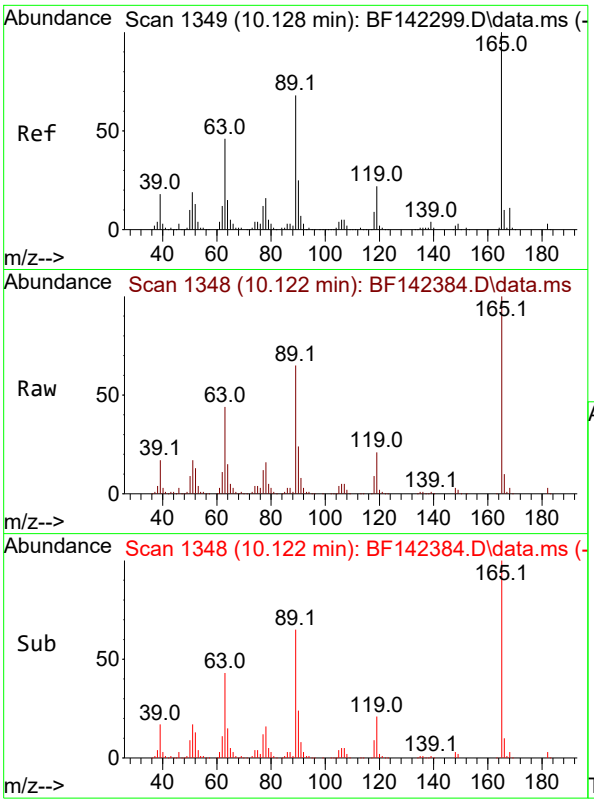


#56
4-Nitrophenol
Concen: 50.863 ng
RT: 10.039 min Scan# 1334
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:139 Resp: 190242

Ion	Ratio	Lower	Upper
139	100		
109	62.3	45.3	85.3
65	92.7	73.9	113.9



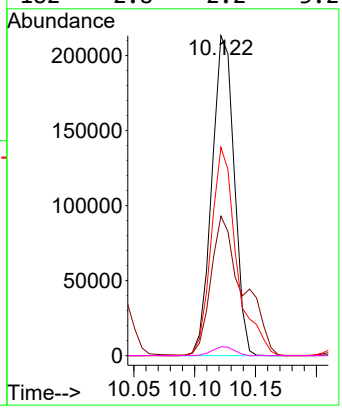


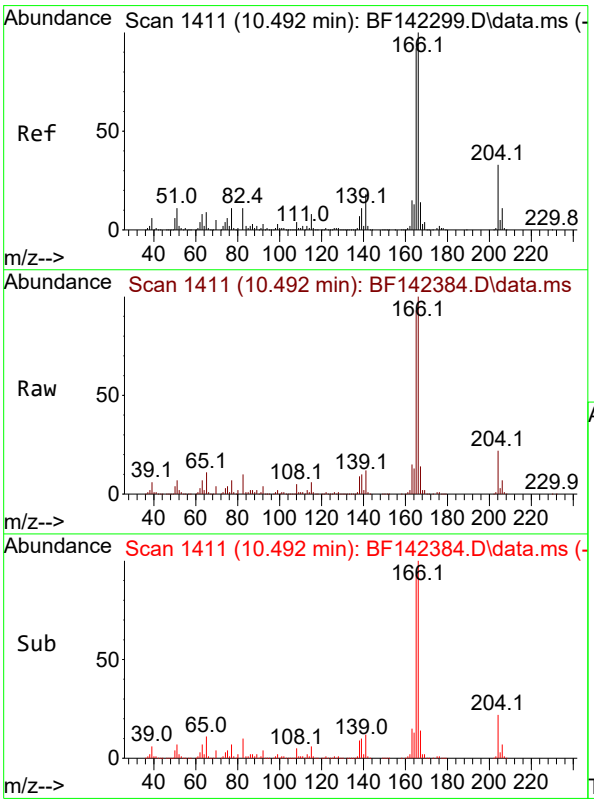
#57
2,4-Dinitrotoluene
Concen: 50.147 ng
RT: 10.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 272568

Ion	Ratio	Lower	Upper
165	100		
63	43.6	37.1	55.7
89	65.1	54.4	81.6
182	2.8	2.2	3.2

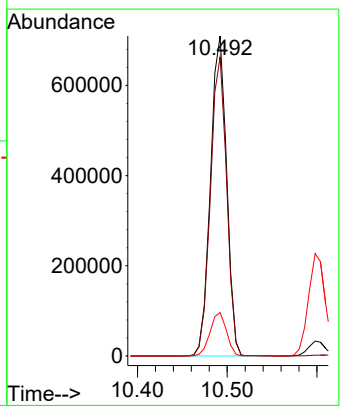


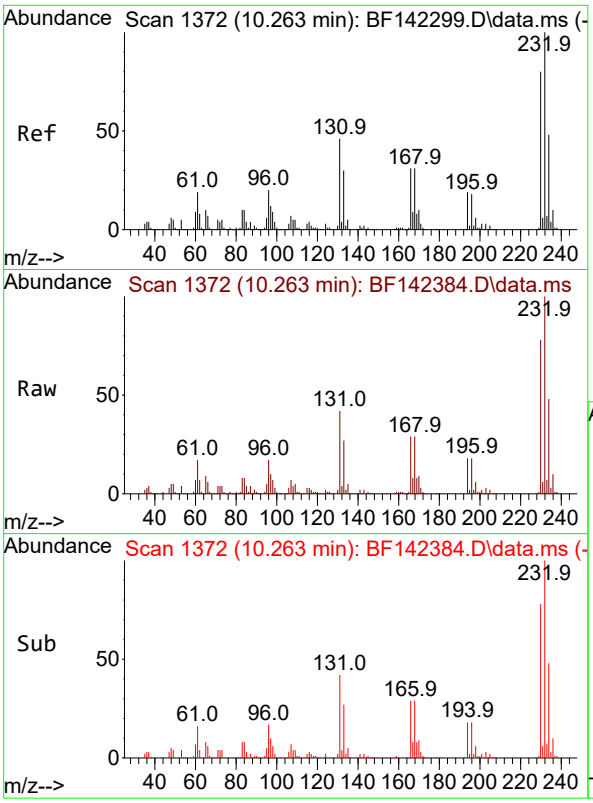


#58
Fluorene
Concen: 38.957 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:166 Resp: 887188

Ion	Ratio	Lower	Upper
166	100		
165	93.5	74.0	111.0
167	13.6	10.9	16.3



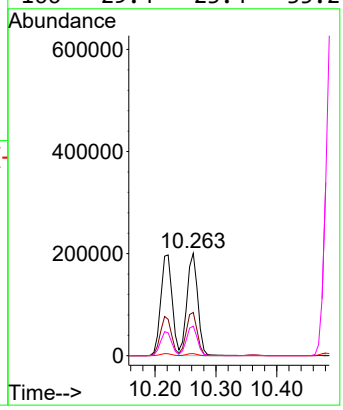


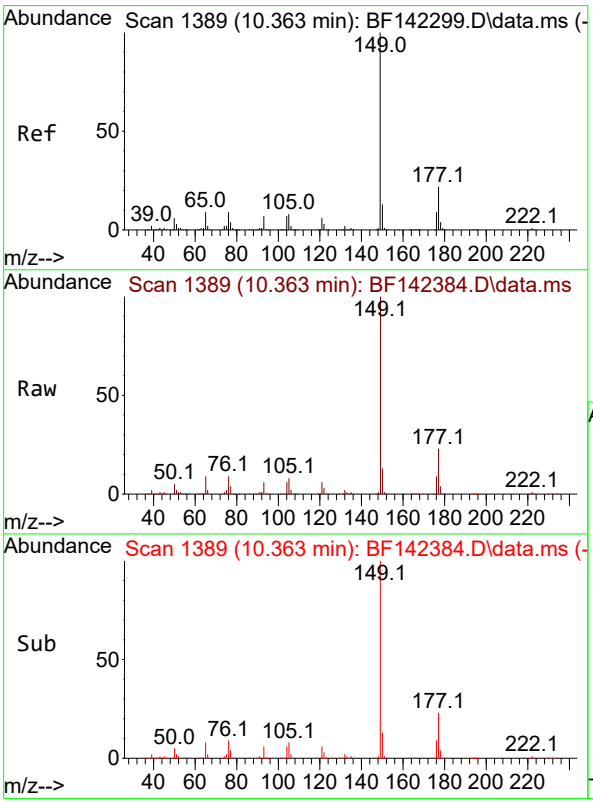
#59
2,3,4,6-Tetrachlorophenol
Concen: 45.231 ng
RT: 10.263 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 246742

Ion	Ratio	Lower	Upper
232	100		
131	43.3	36.0	54.0
130	2.1	1.8	2.6
166	29.4	23.4	35.2

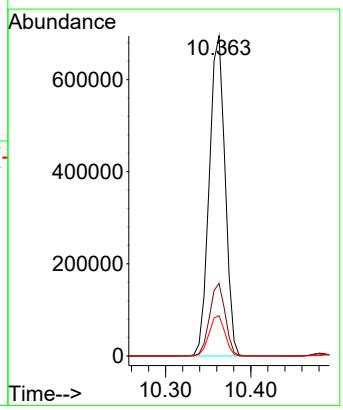


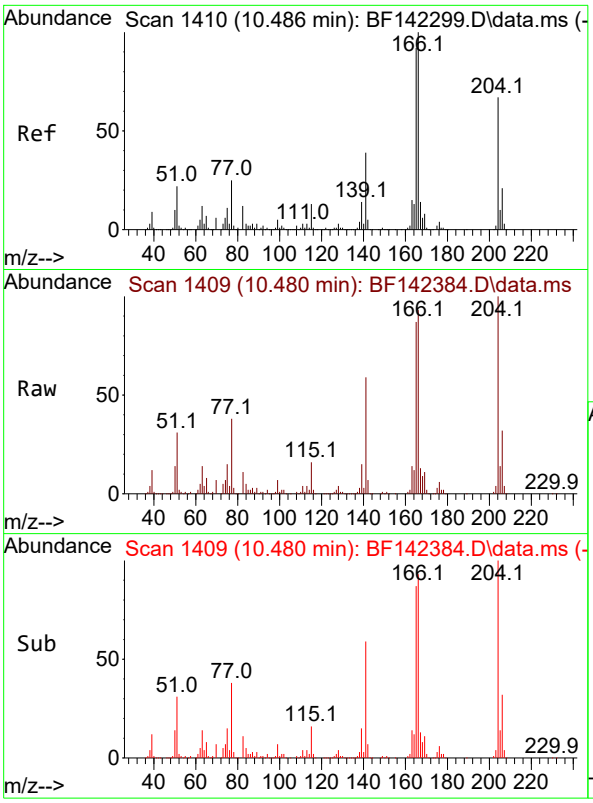


#60
Diethylphthalate
Concen: 39.551 ng
RT: 10.363 min Scan# 1389
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:149 Resp: 894154

Ion	Ratio	Lower	Upper
149	100		
177	22.6	17.6	26.4
150	12.6	10.1	15.1



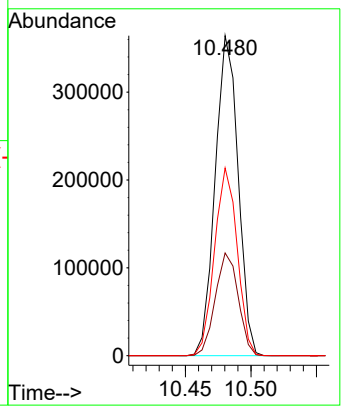


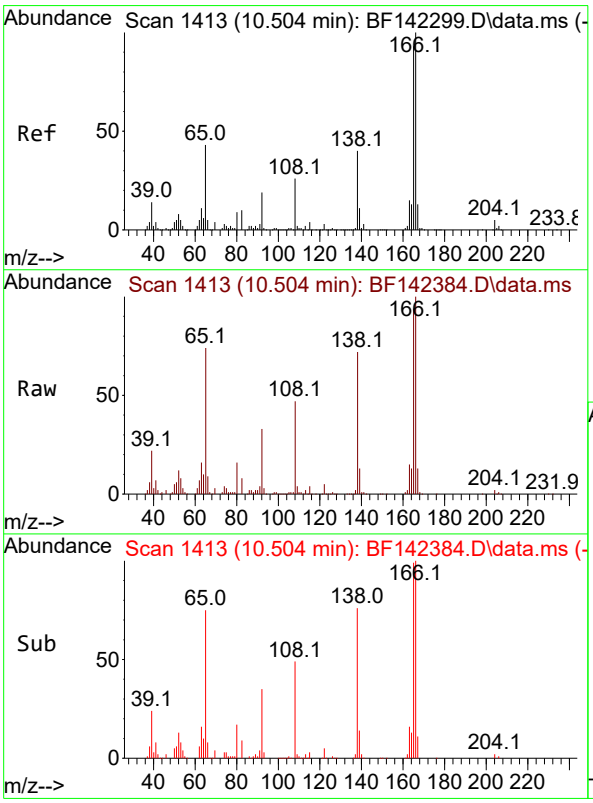
#61
4-Chlorophenyl-phenylether
Concen: 40.251 ng
RT: 10.480 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 442251

Ion	Ratio	Lower	Upper
204	100		
206	32.1	25.5	38.3
141	58.6	46.4	69.6

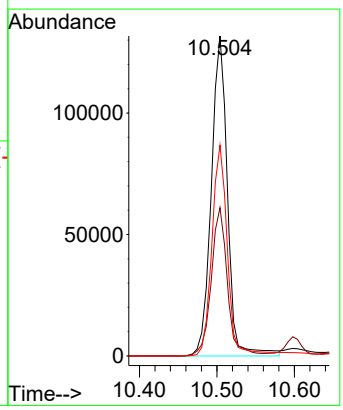


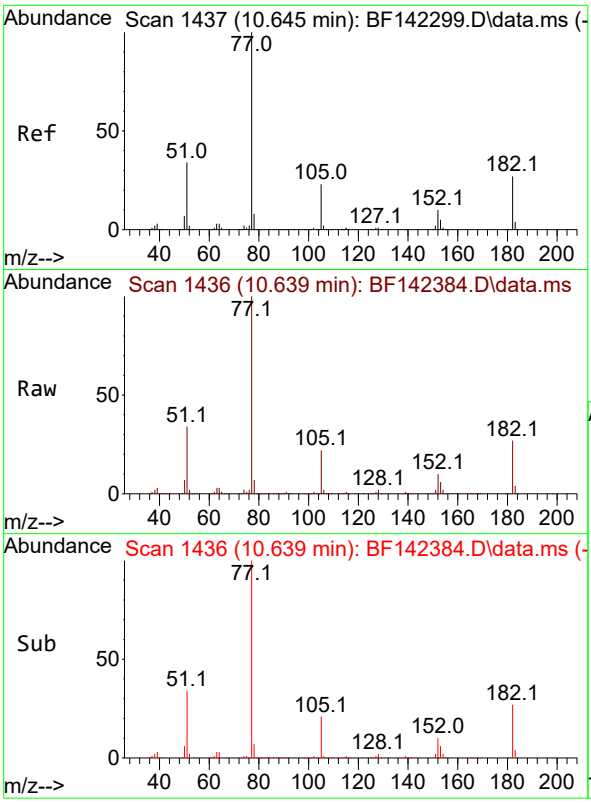


#62
4-Nitroaniline
Concen: 48.448 ng
RT: 10.504 min Scan# 1413
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:138 Resp: 190827

Ion	Ratio	Lower	Upper
138	100		
92	46.3	27.3	67.3
108	65.8	45.1	85.1



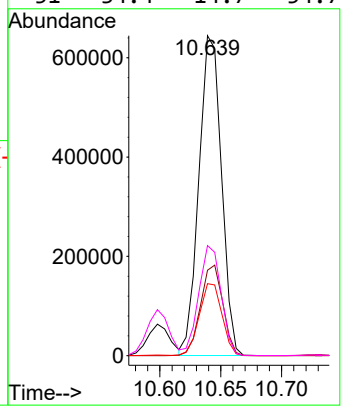


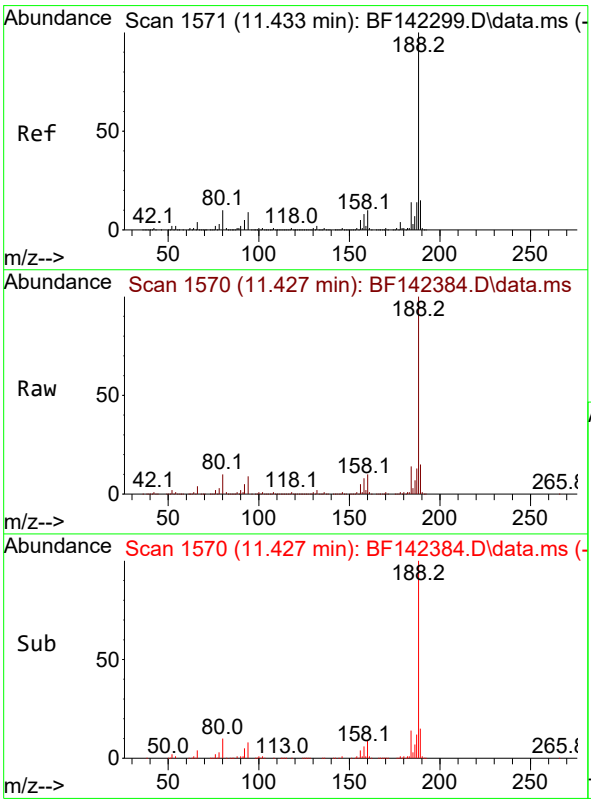
#63
Azobenzene
Concen: 38.382 ng
RT: 10.639 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 829169

Ion	Ratio	Lower	Upper
77	100		
182	26.7	6.9	46.9
105	22.5	2.7	42.7
51	34.4	14.7	54.7

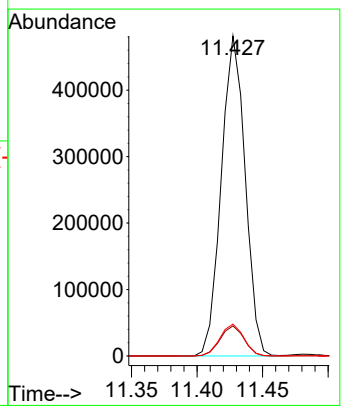


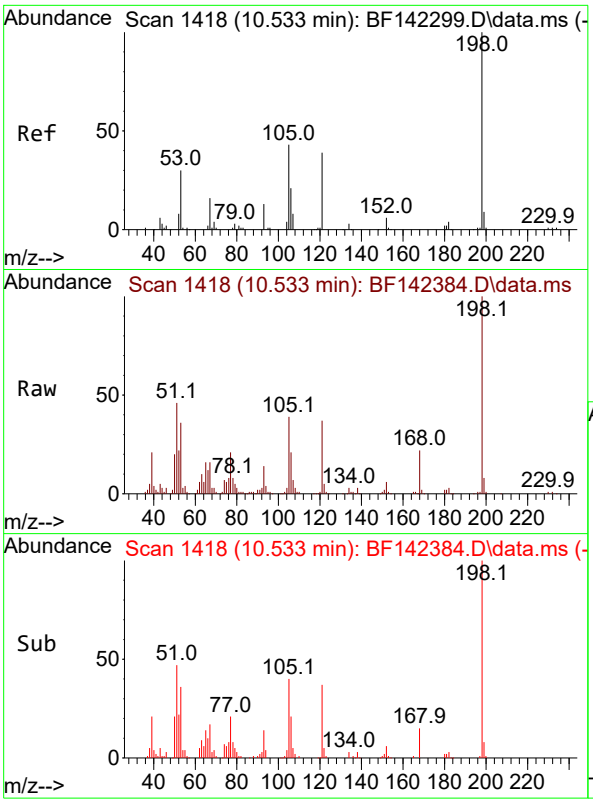


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:188 Resp: 609842

Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.5	11.3
80	10.0	7.9	11.9



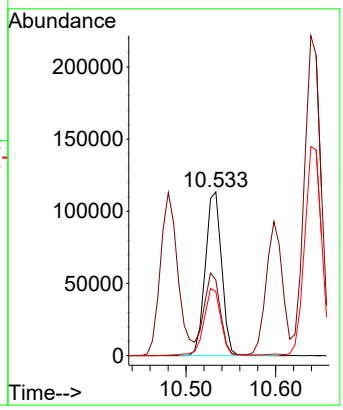


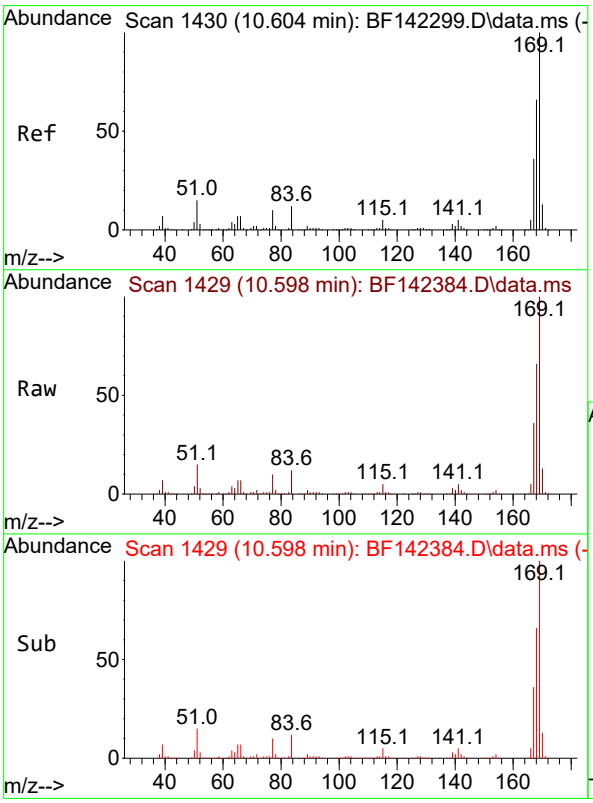
#65
4,6-Dinitro-2-methylphenol
Concen: 50.061 ng
RT: 10.533 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 143343

Ion	Ratio	Lower	Upper
198	100		
51	46.1	32.9	72.9
105	39.2	23.7	63.7

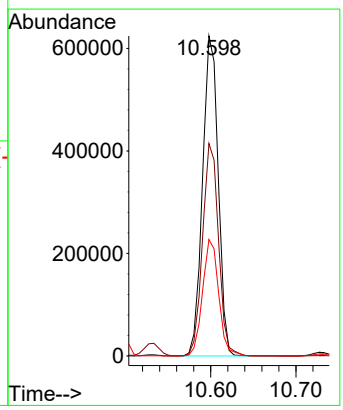


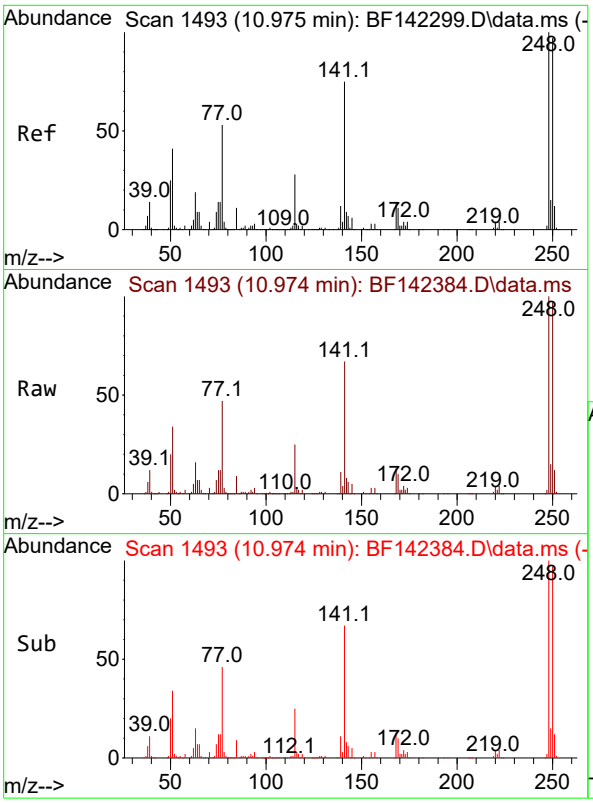


#66
n-Nitrosodiphenylamine
Concen: 39.193 ng
RT: 10.598 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:169 Resp: 795348

Ion	Ratio	Lower	Upper
169	100		
168	66.4	53.2	79.8
167	36.4	28.9	43.3



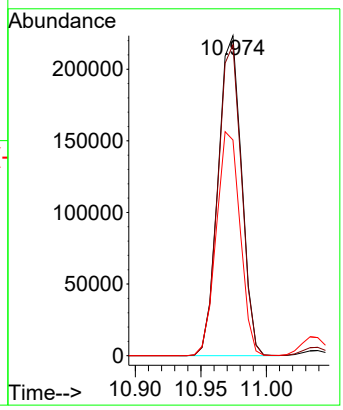


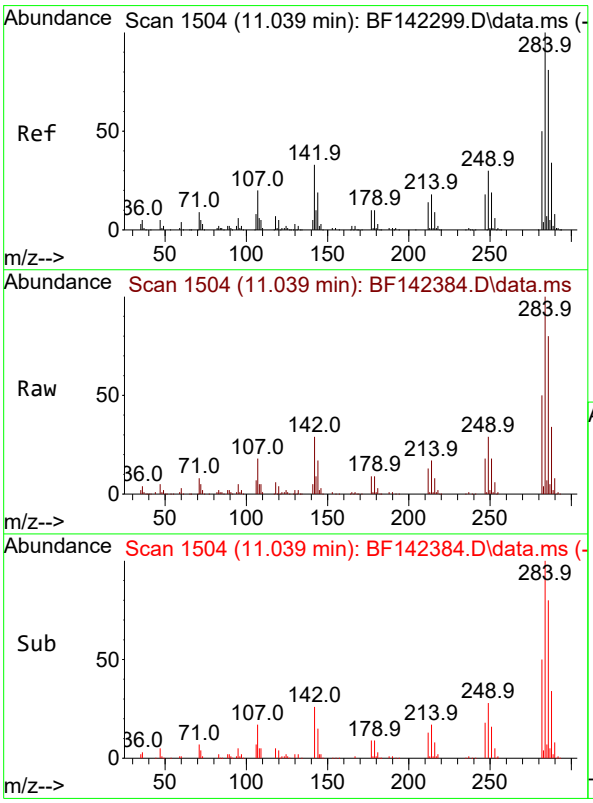
#67
4-Bromophenyl-phenylether
Concen: 40.333 ng
RT: 10.974 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 278763

Ion	Ratio	Lower	Upper
248	100		
250	97.1	77.9	116.9
141	67.4	59.8	89.8

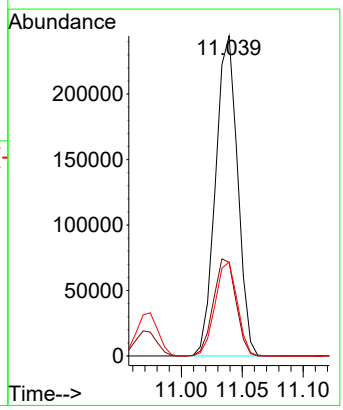


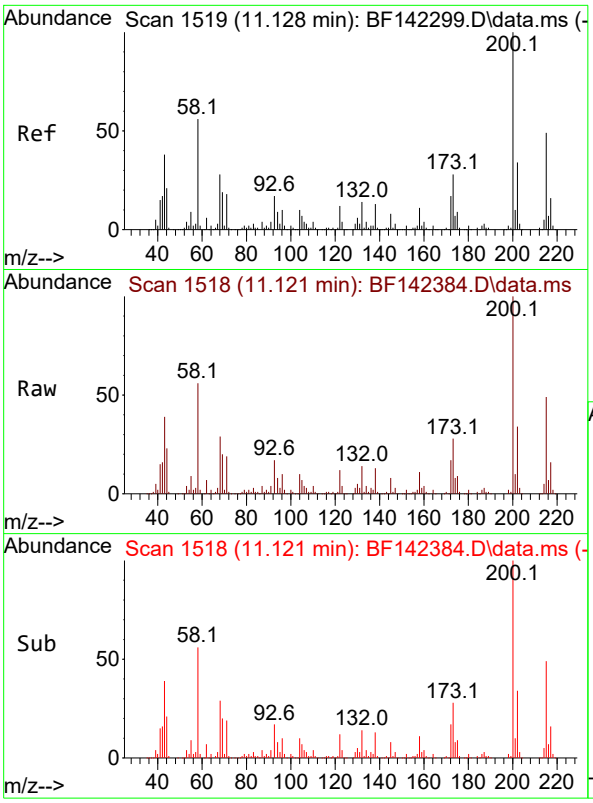


#68
Hexachlorobenzene
Concen: 40.540 ng
RT: 11.039 min Scan# 1504
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:284 Resp: 308205

Ion	Ratio	Lower	Upper
284	100		
142	29.3	26.6	39.8
249	29.4	24.1	36.1



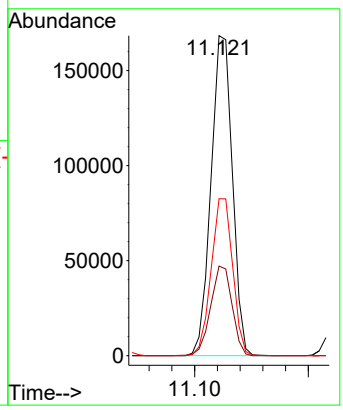


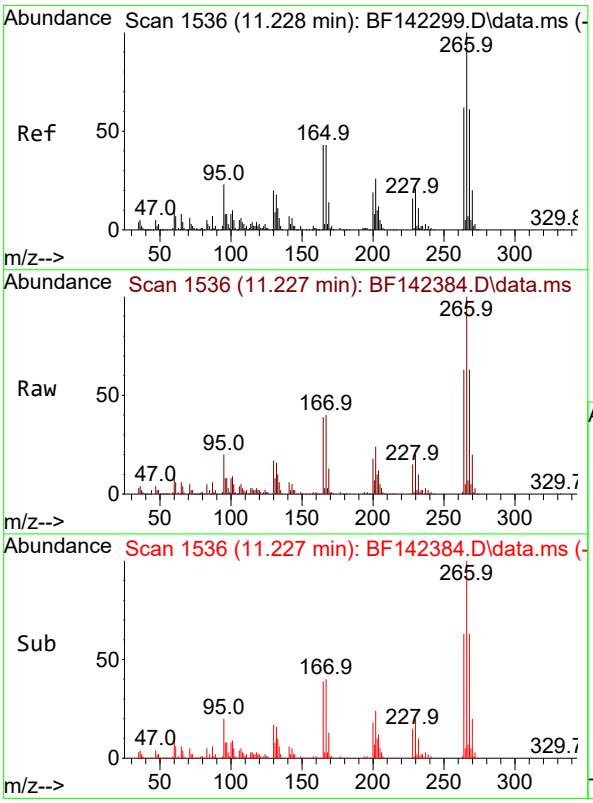
#69
Atrazine
Concen: 41.159 ng
RT: 11.121 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 220173

Ion	Ratio	Lower	Upper
200	100		
173	28.0	8.1	48.1
215	49.0	28.8	68.8

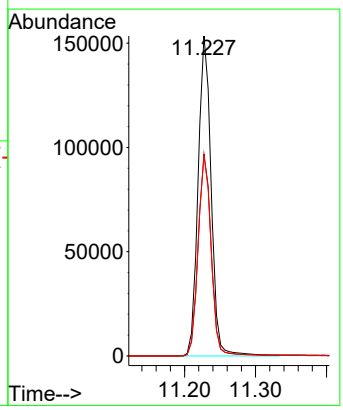


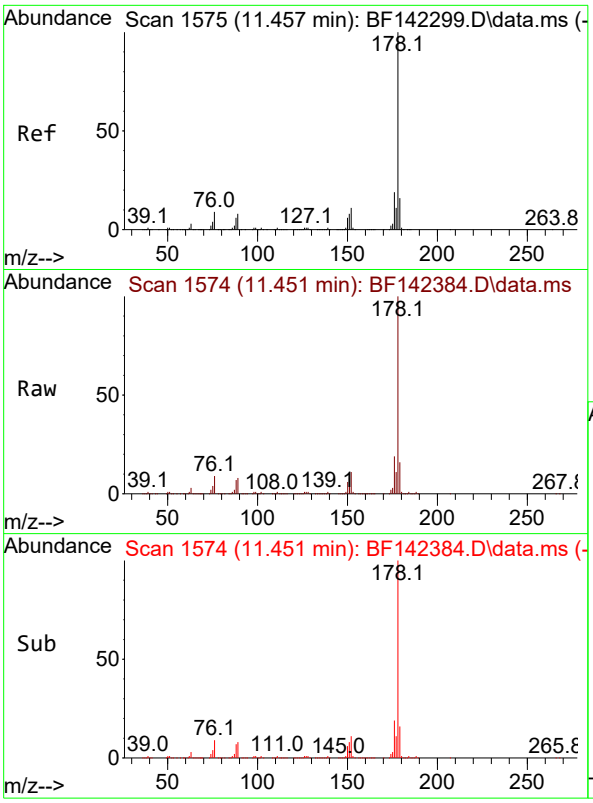


#70
Pentachlorophenol
Concen: 49.158 ng
RT: 11.227 min Scan# 1536
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:266 Resp: 196607

Ion	Ratio	Lower	Upper
266	100		
268	63.1	48.7	73.1
264	62.8	49.8	74.6



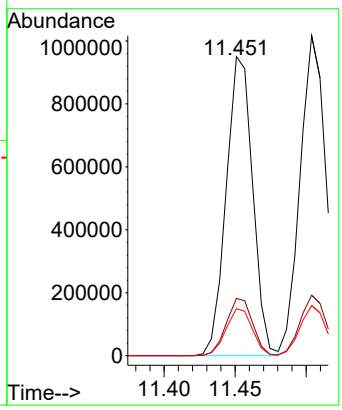


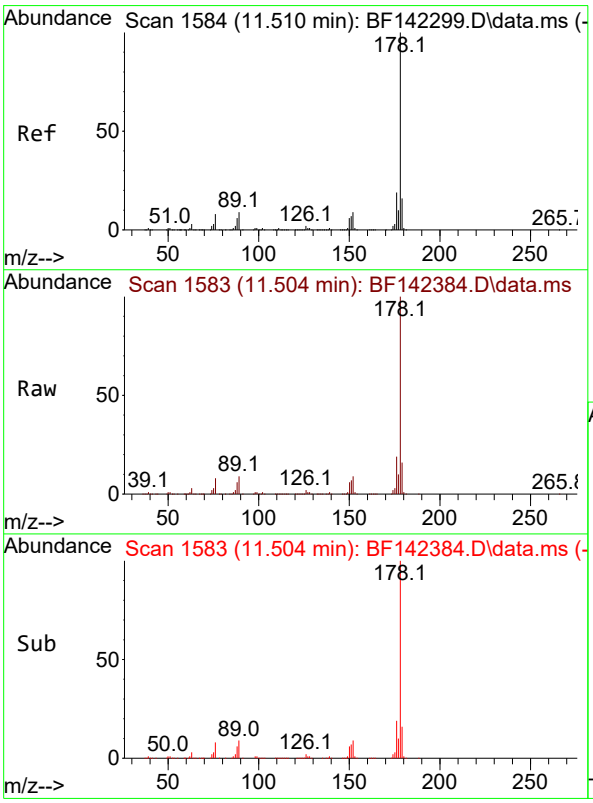
#71
Phenanthrene
Concen: 38.567 ng
RT: 11.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 1232846

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.5	23.3
179	15.8	12.6	18.8

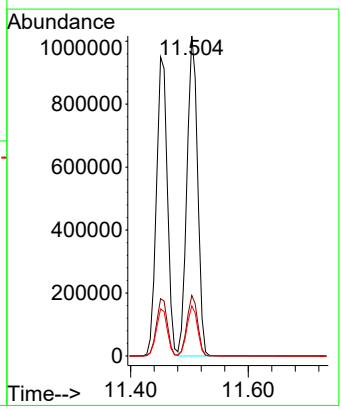


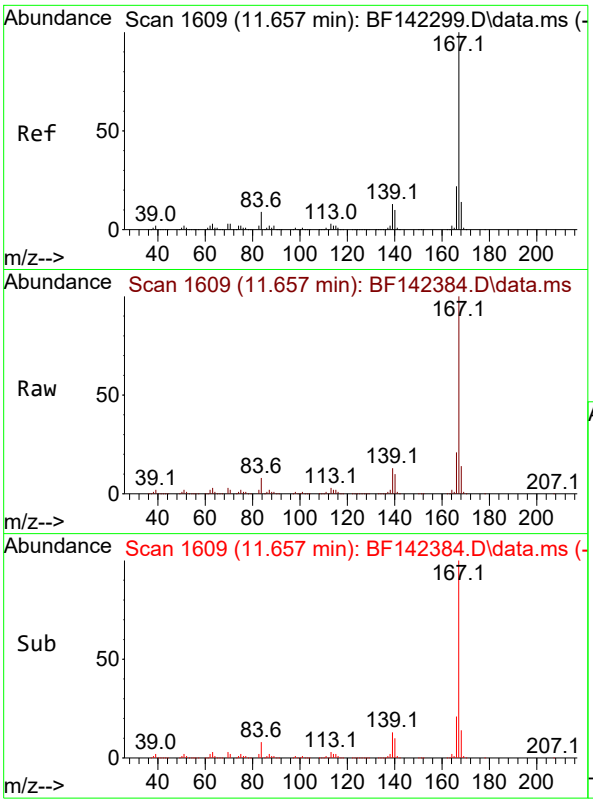


#72
Anthracene
Concen: 38.868 ng
RT: 11.504 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:178 Resp: 1276652

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	15.6	12.6	18.8



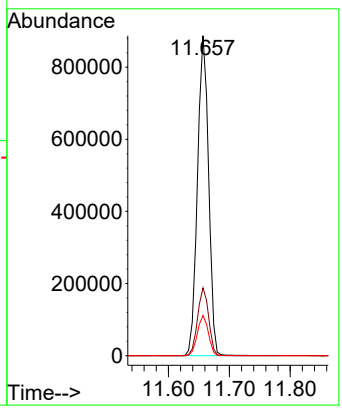


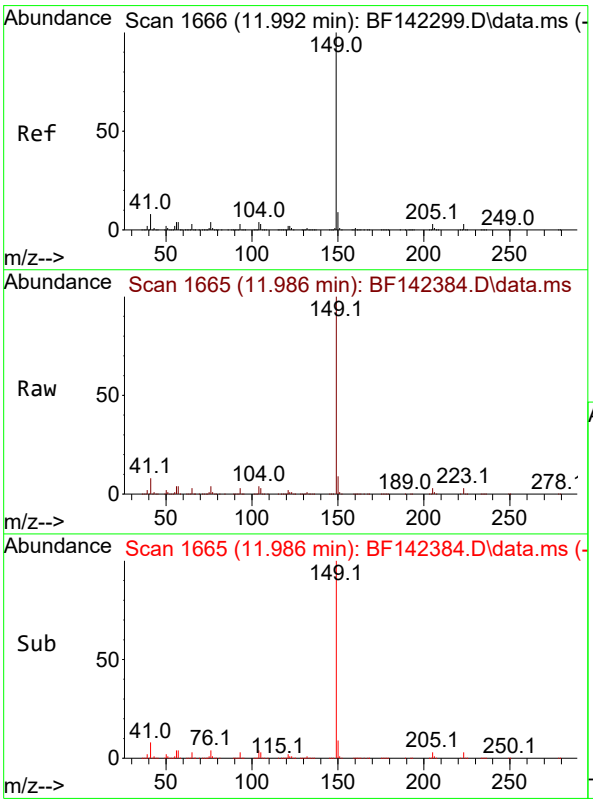
#73
Carbazole
Concen: 38.029 ng
RT: 11.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 1120621

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.2	25.8
139	12.5	10.3	15.5

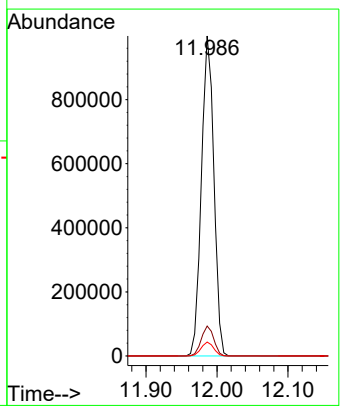


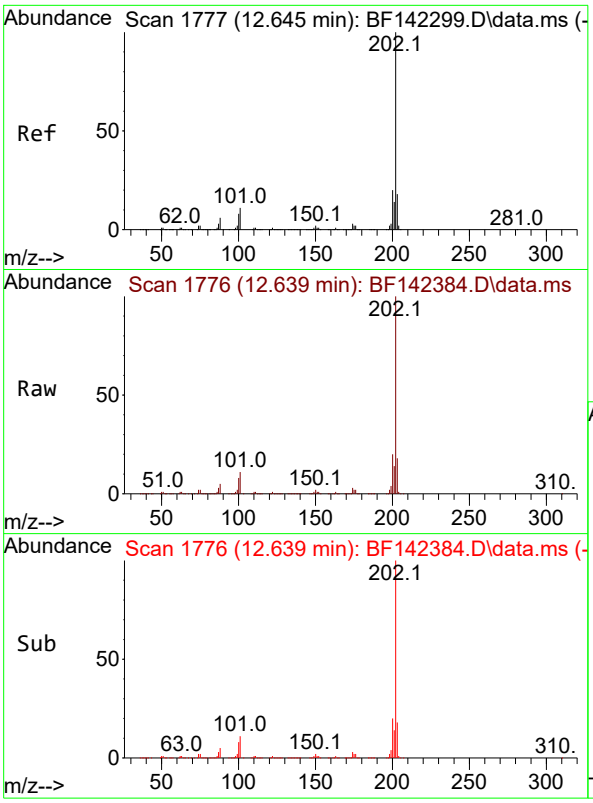


#74
Di-n-butylphthalate
Concen: 39.441 ng
RT: 11.986 min Scan# 1665
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:149 Resp: 1222117

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.5	11.3
104	4.3	3.6	5.4



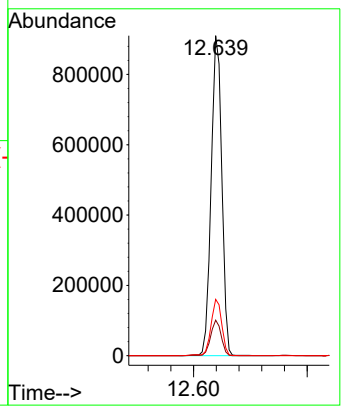


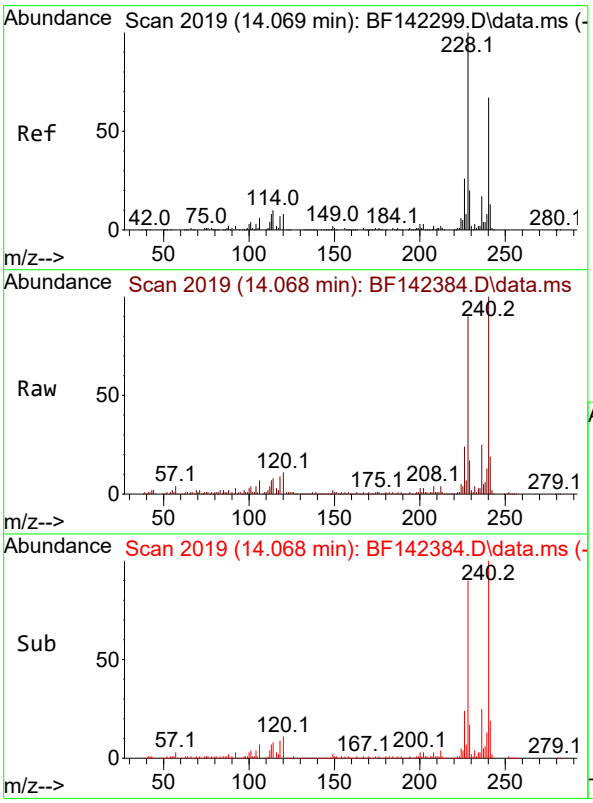
#75
Fluoranthene
Concen: 36.881 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 1178524

Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	31.4
203	17.6	0.0	37.9

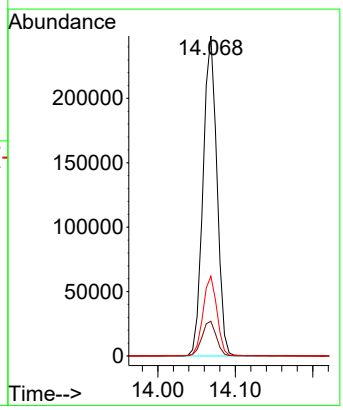


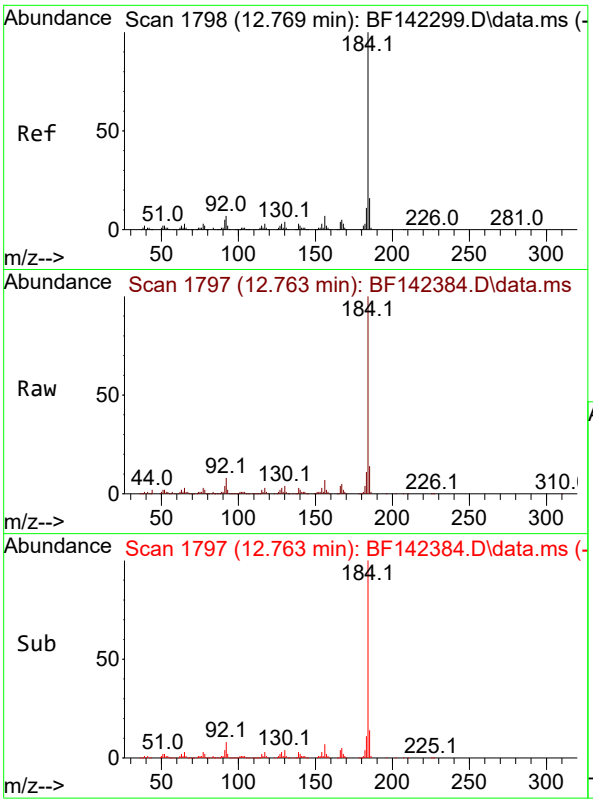


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:240 Resp: 307770

Ion	Ratio	Lower	Upper
240	100		
120	10.8	9.7	14.5
236	24.9	20.0	30.0



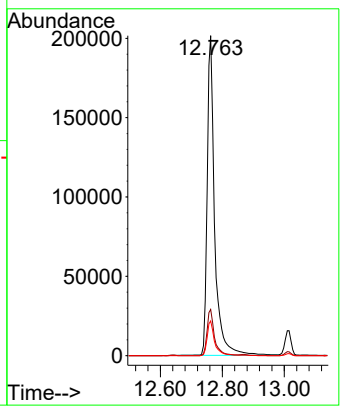


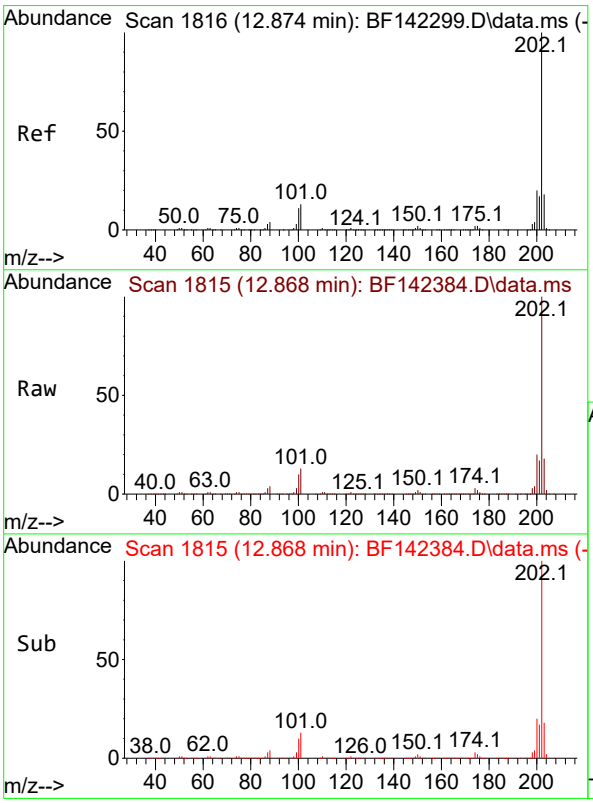
#77
Benzidine
Concen: 60.569 ng
RT: 12.763 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 338767

Ion	Ratio	Lower	Upper
184	100		
185	14.5	12.6	18.8
183	10.9	8.6	12.8

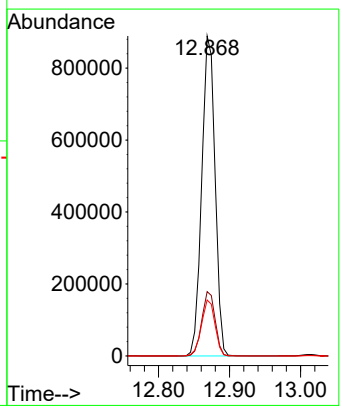


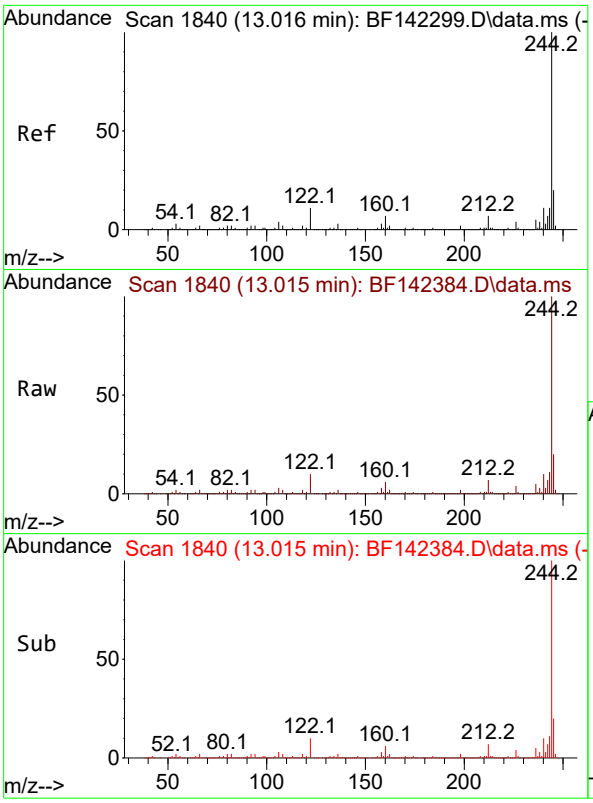


#78
Pyrene
Concen: 42.472 ng
RT: 12.868 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:202 Resp: 1163491

Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.2	24.4
203	17.5	14.3	21.5



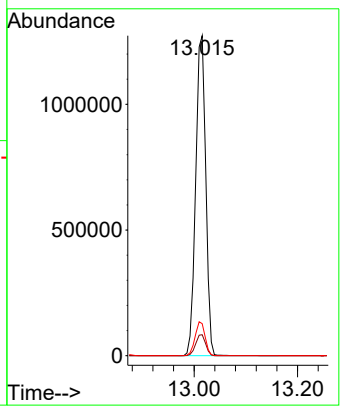


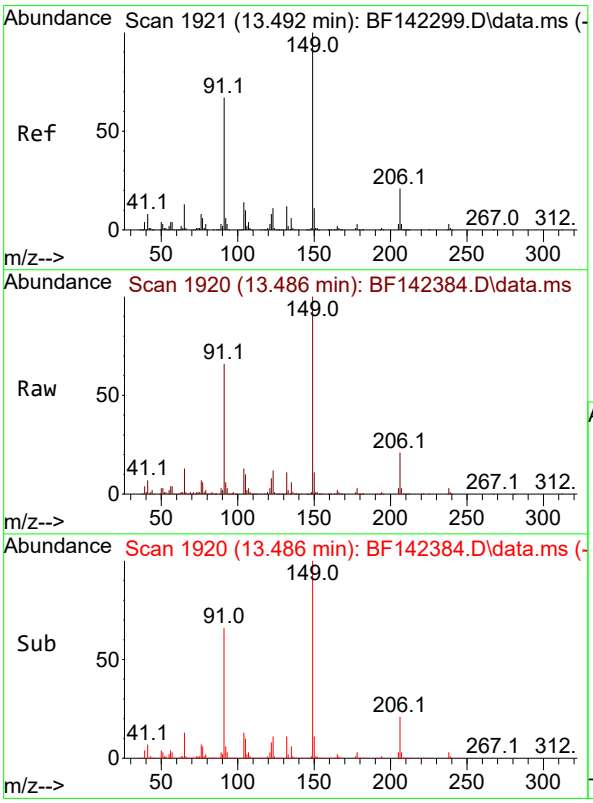
#79
Terphenyl-d14
Concen: 82.657 ng
RT: 13.015 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 1718750

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.2
122	10.0	9.0	13.4

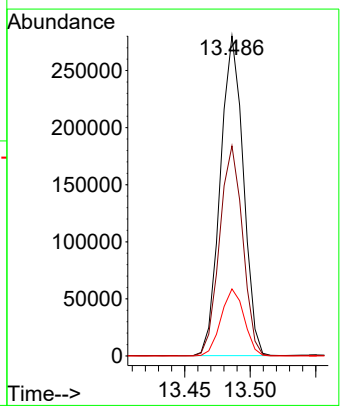


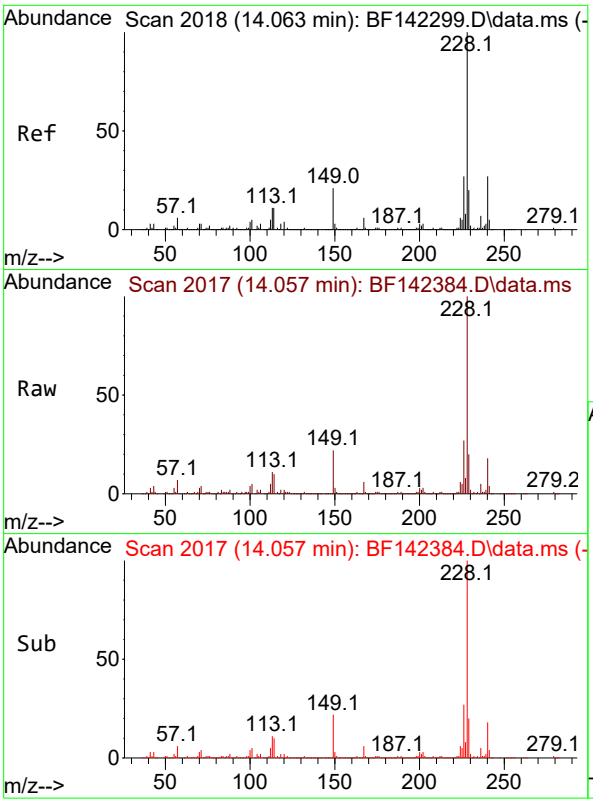


#80
Butylbenzylphthalate
Concen: 43.080 ng
RT: 13.486 min Scan# 1920
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:149 Resp: 341169

Ion	Ratio	Lower	Upper
149	100		
91	65.6	53.8	80.6
206	20.9	16.6	24.8



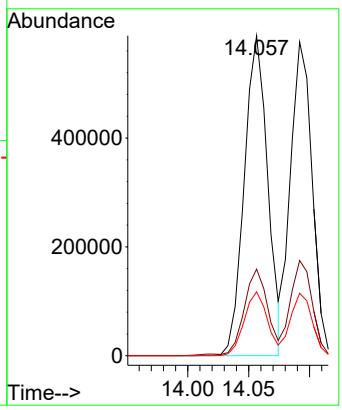


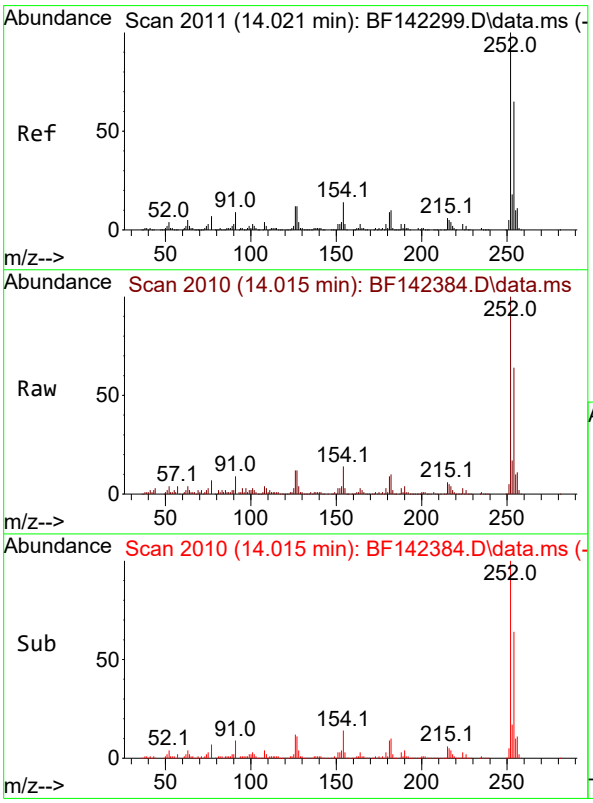
#81
Benzo(a)anthracene
Concen: 39.532 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 787940

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.5	32.3
229	19.9	15.9	23.9

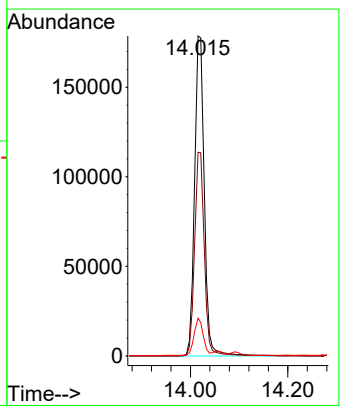


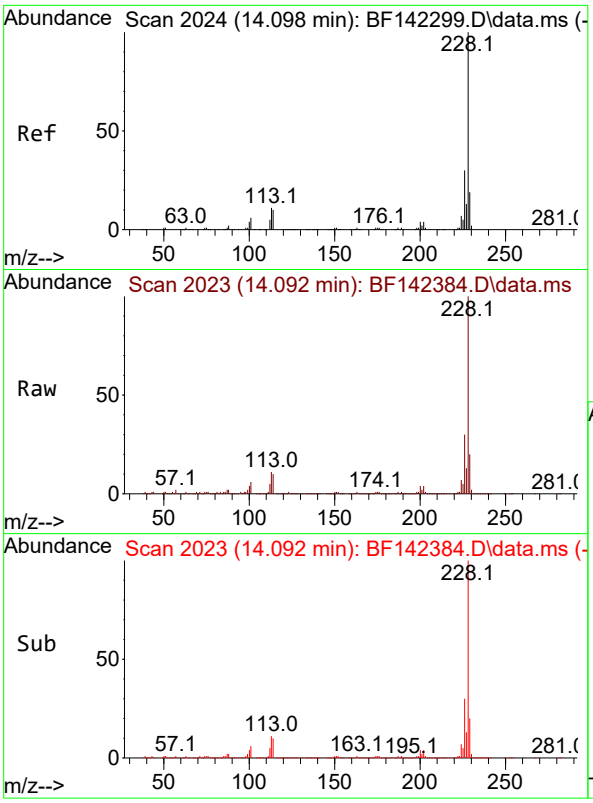


#82
3,3'-Dichlorobenzidine
Concen: 53.961 ng
RT: 14.015 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:252 Resp: 250112

Ion	Ratio	Lower	Upper
252	100		
254	63.7	52.0	78.0
126	11.8	9.7	14.5



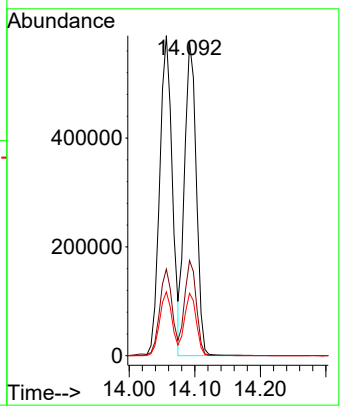


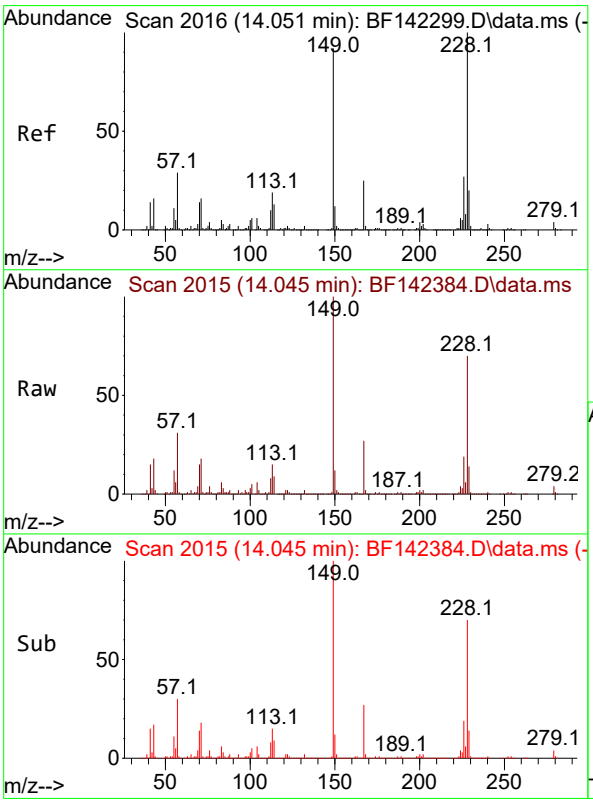
#83
Chrysene
Concen: 38.699 ng
RT: 14.092 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 718046

Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.9	35.9
229	19.9	15.4	23.2

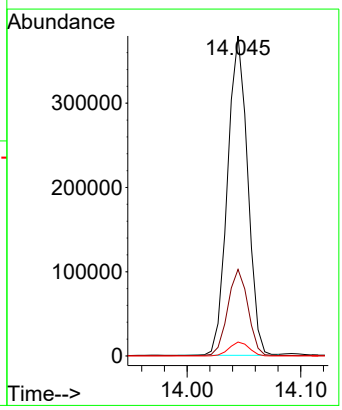


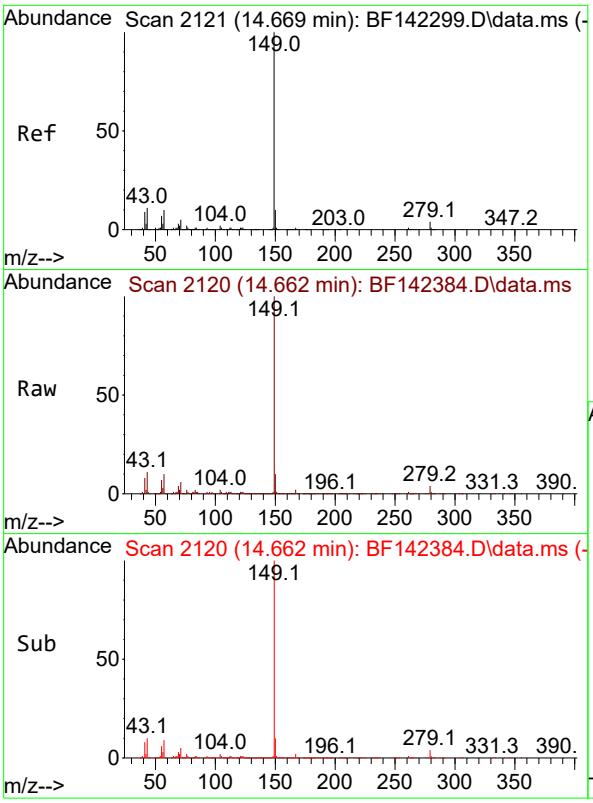


#84
Bis(2-ethylhexyl)phthalate
Concen: 45.102 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:149 Resp: 466640

Ion	Ratio	Lower	Upper
149	100		
167	27.1	22.0	33.0
279	4.3	3.0	4.6



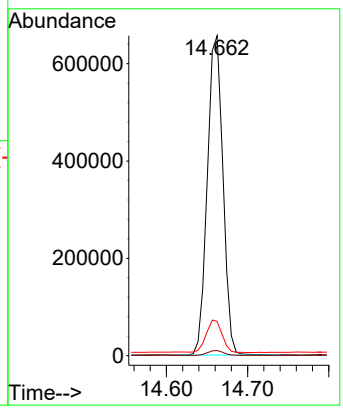


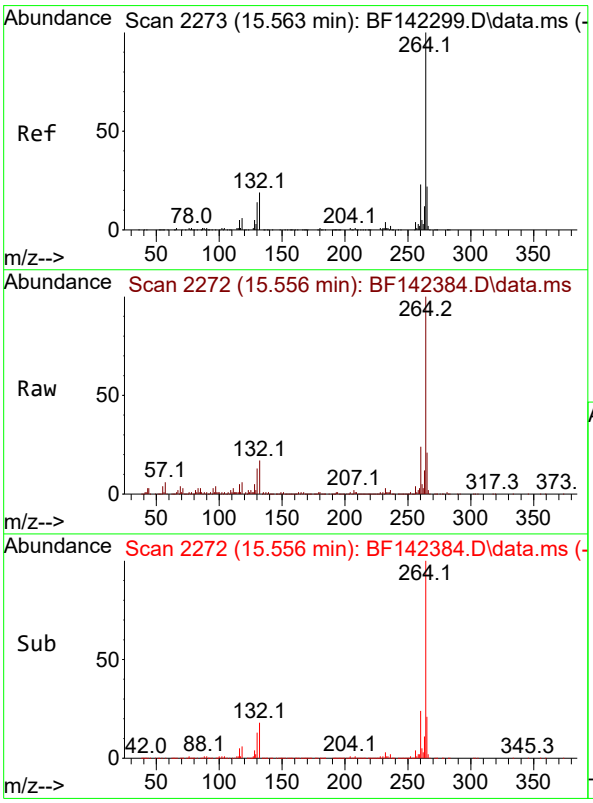
#85
Di-n-octyl phthalate
Concen: 46.831 ng
RT: 14.662 min Scan# 21
Delta R.T. -0.007 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 874781

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	10.3	9.2	13.8

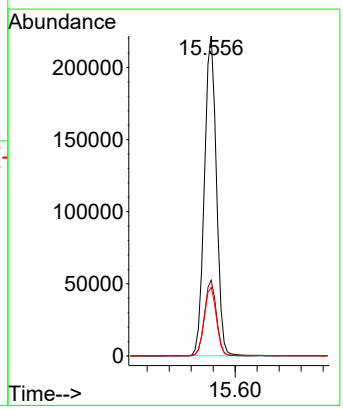


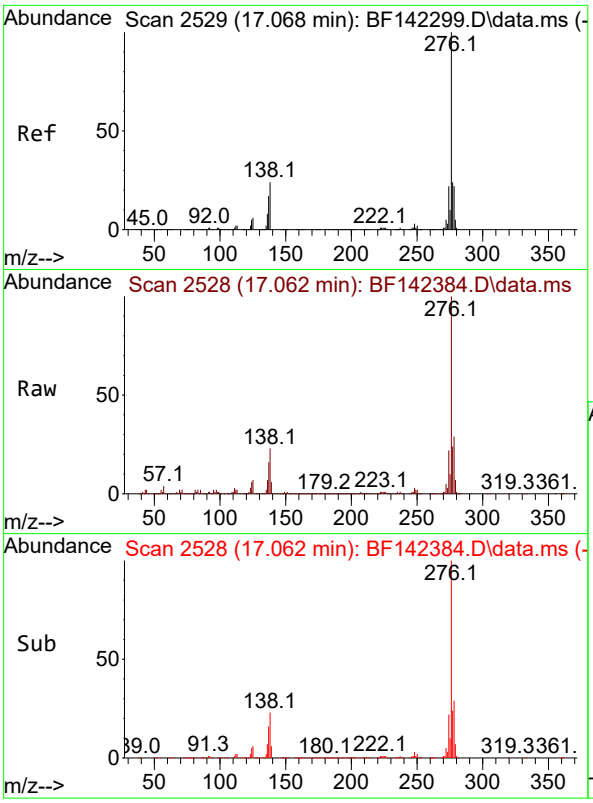


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.556 min Scan# 2272
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:264 Resp: 334801

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	27.8
265	21.4	17.5	26.3



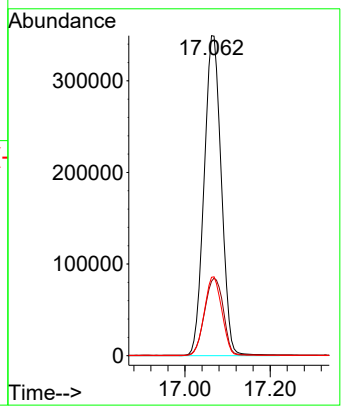


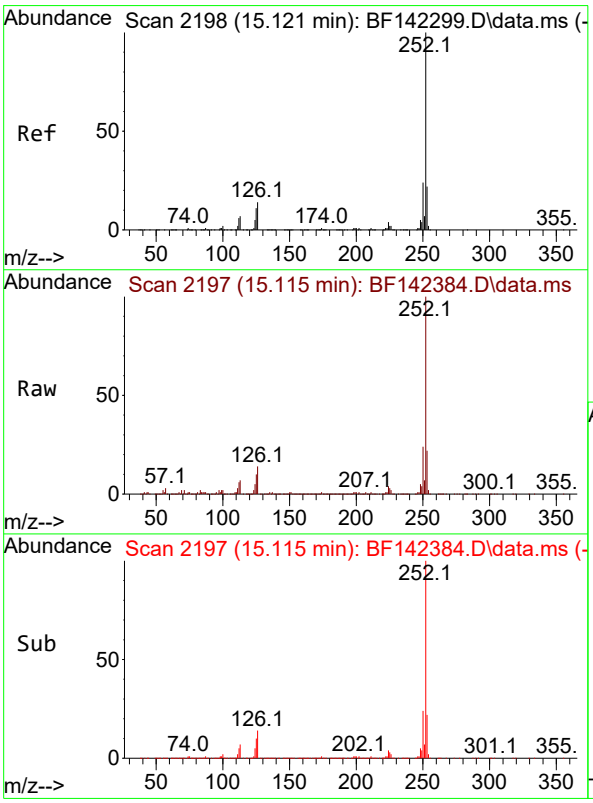
#87
Indeno(1,2,3-cd)pyrene
Concen: 41.956 ng
RT: 17.062 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 977143

Ion	Ratio	Lower	Upper
276	100		
138	26.1	22.0	33.0
277	25.1	20.1	30.1

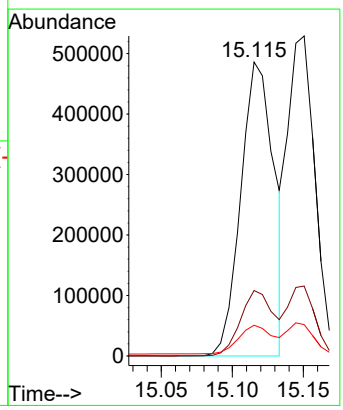


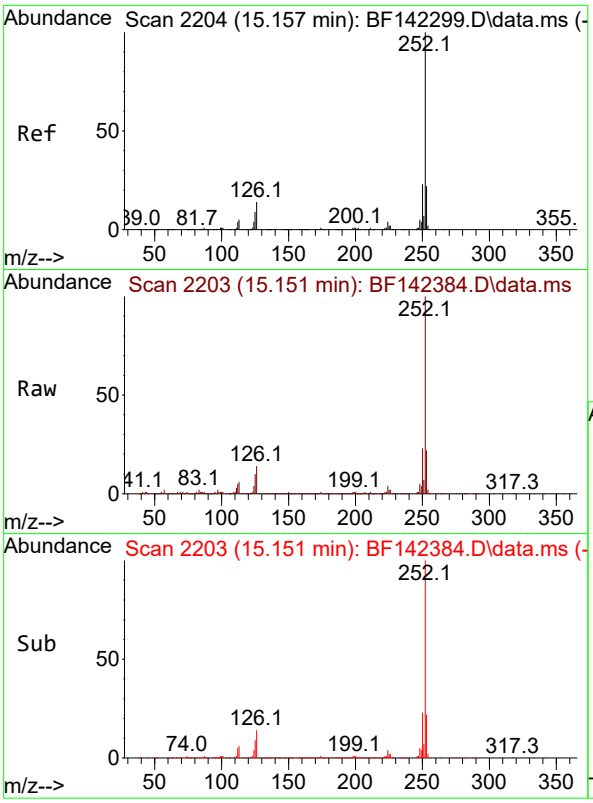


#88
Benzo(b)fluoranthene
Concen: 38.990 ng
RT: 15.115 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:252 Resp: 790611

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	10.5	8.7	13.1



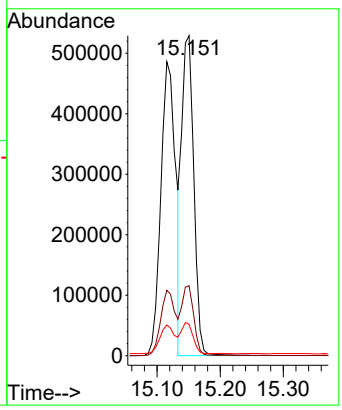


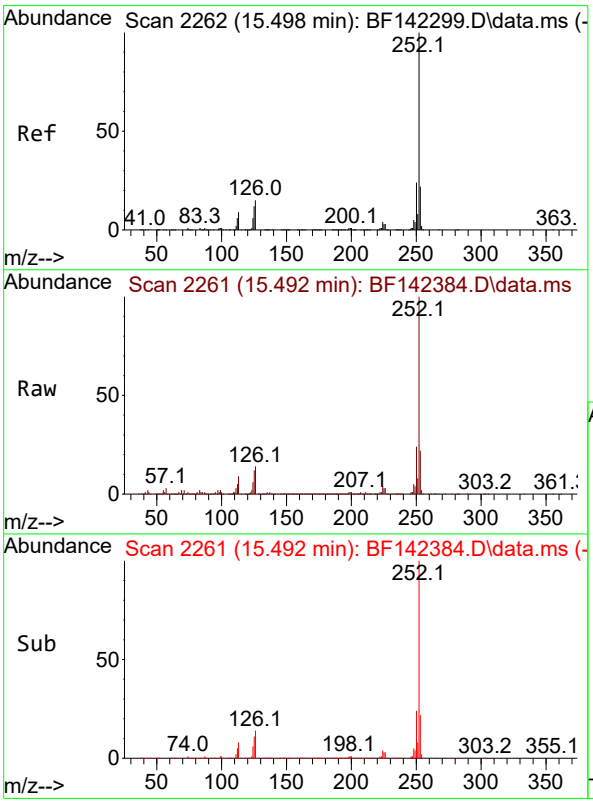
#89
Benzo(k)fluoranthene
Concen: 38.028 ng
RT: 15.151 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 705674

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	9.8	8.1	12.1

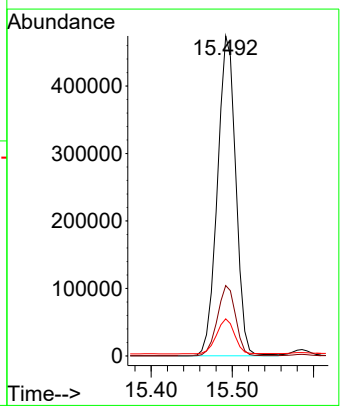


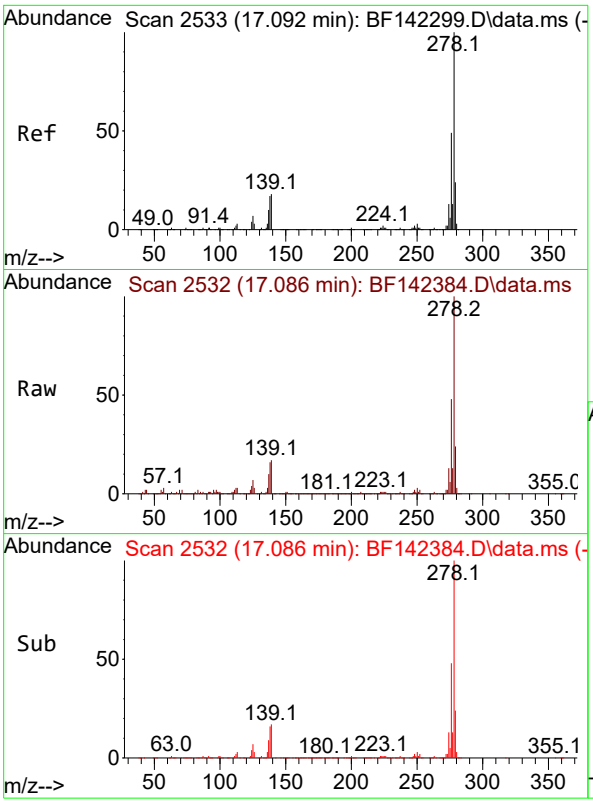


#90
Benzo(a)pyrene
Concen: 40.961 ng
RT: 15.492 min Scan# 2261
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:252 Resp: 744294

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.6
125	11.6	9.4	14.0



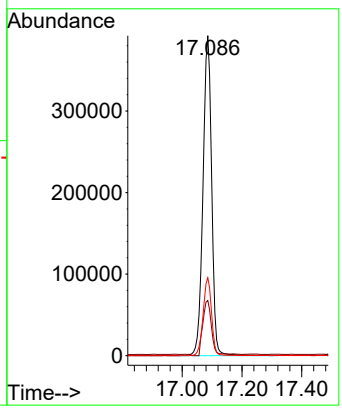


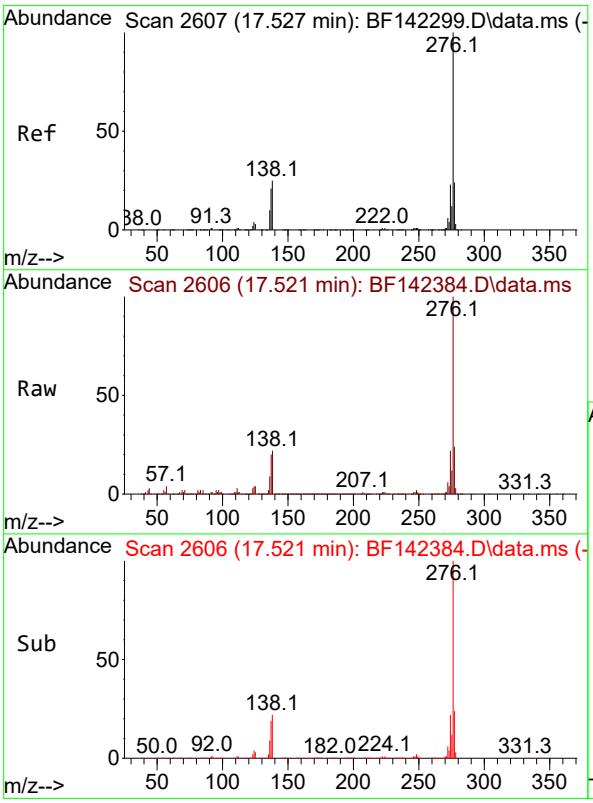
#91
Dibenzo(a,h)anthracene
Concen: 41.131 ng
RT: 17.086 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 791409

Ion	Ratio	Lower	Upper
278	100		
139	17.2	14.5	21.7
279	24.4	18.9	28.3

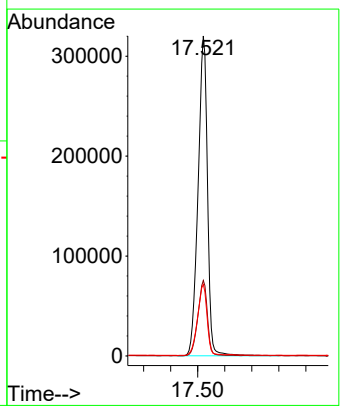




#92
Benzo(g,h,i)perylene
Concen: 40.669 ng
RT: 17.521 min Scan# 2606
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:276 Resp: 776651

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.0	28.6
138	22.3	19.8	29.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142384.D
Acq On : 15 May 2025 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: May 15 10:43:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 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	78	0.00
2		1,4-Dioxane	0.528	0.494	6.4	76	0.00
3		Pyridine	1.239	1.263	-1.9	84	0.00
4		n-Nitrosodimethylamine	0.720	0.678	5.8	76	0.00
5	S	2-Fluorophenol	1.172	1.185	-1.1	82	0.00
6		Aniline	1.413	1.874	-32.6#	99	0.00
7	S	Phenol-d6	1.441	1.453	-0.8	82	0.00
8		2-Chlorophenol	1.252	1.341	-7.1	85	0.00
9		Benzaldehyde	0.843	0.790	6.3	84	0.00
10	C	Phenol	1.527	1.687	-10.5	89	0.00
11		bis(2-Chloroethyl)ether	1.506	1.206	19.9	69	0.00
12		1,3-Dichlorobenzene	1.432	1.426	0.4	82	0.00
13	C	1,4-Dichlorobenzene	1.438	1.431	0.5	82	0.00
14		1,2-Dichlorobenzene	1.380	1.371	0.7	81	0.00
15		Benzyl Alcohol	0.933	1.047	-12.2	88	0.00
16		2,2'-oxybis(1-Chloropropane	2.249	2.090	7.1	76	0.00
17		2-Methylphenol	1.014	1.020	-0.6	82	0.00
18		Hexachloroethane	0.478	0.498	-4.2	84	0.00
19	P	n-Nitroso-di-n-propylamine	0.891	0.887	0.4	80	0.00
20		3+4-Methylphenols	1.265	1.281	-1.3	82	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	77	0.00
22		Acetophenone	0.445	0.432	2.9	80	0.00
23	S	Nitrobenzene-d5	0.328	0.363	-10.7	86	0.00
24		Nitrobenzene	0.309	0.329	-6.5	83	0.00
25		Isophorone	0.621	0.611	1.6	81	0.00
26	C	2-Nitrophenol	0.129	0.180	-39.5#	105	0.00
27		2,4-Dimethylphenol	0.312	0.317	-1.6	82	0.00
28		bis(2-Chloroethoxy)methane	0.399	0.377	5.5	78	0.00
29	C	2,4-Dichlorophenol	0.265	0.282	-6.4	83	0.00
30		1,2,4-Trichlorobenzene	0.299	0.305	-2.0	84	0.00
31		Naphthalene	0.969	0.952	1.8	81	0.00
32		Benzoic acid	0.150	0.201	-34.0#	111	0.00
33		4-Chloroaniline	0.396	0.395	0.3	80	-0.01
34	C	Hexachlorobutadiene	0.177	0.180	-1.7	83	0.00
35		Caprolactam	0.077	0.085	-10.4	83	0.00
36	C	4-Chloro-3-methylphenol	0.276	0.298	-8.0	87	0.00
37		2-Methylnaphthalene	0.602	0.598	0.7	81	0.00
38		1-Methylnaphthalene	0.628	0.619	1.4	81	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	78	0.00
40		1,2,4,5-Tetrachlorobenzene	0.559	0.562	-0.5	85	0.00
41	P	Hexachlorocyclopentadiene	0.345	0.391	-13.3	88	0.00
42	S	2,4,6-Tribromophenol	0.193	0.228	-18.1	93	0.00
43	C	2,4,6-Trichlorophenol	0.352	0.393	-11.6	87	0.00
44		2,4,5-Trichlorophenol	0.375	0.404	-7.7	86	0.00
45	S	2-Fluorobiphenyl	1.403	1.334	4.9	81	0.00
46		1,1'-Biphenyl	1.533	1.496	2.4	82	0.00
47		2-Chloronaphthalene	1.140	1.126	1.2	83	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142384.D
Acq On : 15 May 2025 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: May 15 10:43:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 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	0.292	0.343	-17.5	89	0.00
49		Acenaphthylene	1.908	1.887	1.1	82	0.00
50		Dimethylphthalate	1.284	1.305	-1.6	84	0.00
51		2,6-Dinitrotoluene	0.240	0.287	-19.6	91	0.00
52	C	Acenaphthene	1.147	1.167	-1.7	85	0.00
53		3-Nitroaniline	0.282	0.328	-16.3	89	0.00
54	P	2,4-Dinitrophenol	0.102	0.155	-52.0#	124	0.00
55		Dibenzofuran	1.693	1.670	1.4	83	0.00
56	P	4-Nitrophenol	0.212	0.270	-27.4#	98	0.00
57		2,4-Dinitrotoluene	0.308	0.387	-25.6#	94	0.00
58		Fluorene	1.292	1.258	2.6	82	0.00
59		2,3,4,6-Tetrachlorophenol	0.309	0.350	-13.3	89	0.00
60		Diethylphthalate	1.283	1.268	1.2	82	0.00
61		4-Chlorophenyl-phenylether	0.623	0.627	-0.6	84	0.00
62		4-Nitroaniline	0.223	0.271	-21.5	94	0.00
63		Azobenzene	1.226	1.176	4.1	81	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	80	0.00
65		4,6-Dinitro-2-methylphenol	0.082	0.118	-43.9#	116	0.00
66	c	n-Nitrosodiphenylamine	0.666	0.652	2.1	83	0.00
67		4-Bromophenyl-phenylether	0.227	0.229	-0.9	85	0.00
68		Hexachlorobenzene	0.249	0.253	-1.6	85	0.00
69		Atrazine	0.175	0.181	-3.4	83	0.00
70	C	Pentachlorophenol	0.131	0.161	-22.9#	93	0.00
71		Phenanthrene	1.048	1.011	3.5	82	0.00
72		Anthracene	1.077	1.047	2.8	82	0.00
73		Carbazole	0.966	0.919	4.9	80	0.00
74		Di-n-butylphthalate	1.016	1.002	1.4	79	0.00
75	C	Fluoranthene	1.048	0.966	7.8	79	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	69	0.00
77		Benzidine	0.363	0.550	-51.5#	106	0.00
78		Pyrene	1.780	1.890	-6.2	76	0.00
79	S	Terphenyl-d14	1.351	1.396	-3.3	76	0.00
80		Butylbenzylphthalate	0.449	0.554	-23.4	81	0.00
81		Benzo(a)anthracene	1.295	1.280	1.2	71	0.00
82		3,3'-Dichlorobenzidine	0.301	0.406	-34.9#	94	0.00
83		Chrysene	1.206	1.167	3.2	73	0.00
84		Bis(2-ethylhexyl)phthalate	0.573	0.758	-32.3#	87	0.00
85	c	Di-n-octyl phthalate	1.057	1.421	-34.4#	95	0.00
86	I	Perylene-d12	1.000	1.000	0.0	78	0.00
87		Indeno(1,2,3-cd)pyrene	1.391	1.459	-4.9	83	0.00
88		Benzo(b)fluoranthene	1.211	1.181	2.5	80	0.00
89		Benzo(k)fluoranthene	1.109	1.054	5.0	79	0.00
90	C	Benzo(a)pyrene	1.085	1.112	-2.5	82	0.00
91		Dibenzo(a,h)anthracene	1.149	1.182	-2.9	82	0.00
92		Benzo(g,h,i)perylene	1.141	1.160	-1.7	81	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142384.D
Acq On : 15 May 2025 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: May 15 10:43:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 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 = 3

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142384.D
Acq On : 15 May 2025 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: May 15 10:43:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 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	78	0.00
2		1,4-Dioxane	40.000	37.436	6.4	76	0.00
3		Pyridine	40.000	40.797	-2.0	84	0.00
4		n-Nitrosodimethylamine	40.000	37.667	5.8	76	0.00
5	S	2-Fluorophenol	80.000	80.905	-1.1	82	0.00
6		Aniline	40.000	53.049	-32.6#	99	0.00
7	S	Phenol-d6	80.000	80.654	-0.8	82	0.00
8		2-Chlorophenol	40.000	42.847	-7.1	85	0.00
9		Benzaldehyde	40.000	37.477	6.3	84	0.00
10	C	Phenol	40.000	44.171	-10.4	89	0.00
11		bis(2-Chloroethyl)ether	40.000	32.018	20.0	69	0.00
12		1,3-Dichlorobenzene	40.000	39.828	0.4	82	0.00
13	C	1,4-Dichlorobenzene	40.000	39.812	0.5	82	0.00
14		1,2-Dichlorobenzene	40.000	39.725	0.7	81	0.00
15		Benzyl Alcohol	40.000	44.898	-12.2	88	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	37.159	7.1	76	0.00
17		2-Methylphenol	40.000	40.240	-0.6	82	0.00
18		Hexachloroethane	40.000	41.602	-4.0	84	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	39.827	0.4	80	0.00
20		3+4-Methylphenols	40.000	40.498	-1.2	82	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	77	0.00
22		Acetophenone	40.000	38.876	2.8	80	0.00
23	S	Nitrobenzene-d5	80.000	88.437	-10.5	86	0.00
24		Nitrobenzene	40.000	42.519	-6.3	83	0.00
25		Isophorone	40.000	39.386	1.5	81	0.00
26	C	2-Nitrophenol	40.000	48.180	-20.4#	105	0.00
27		2,4-Dimethylphenol	40.000	40.579	-1.4	82	0.00
28		bis(2-Chloroethoxy)methane	40.000	37.765	5.6	78	0.00
29	C	2,4-Dichlorophenol	40.000	42.484	-6.2	83	0.00
30		1,2,4-Trichlorobenzene	40.000	40.845	-2.1	84	0.00
31		Naphthalene	40.000	39.273	1.8	81	0.00
32		Benzoic acid	40.000	48.080	-20.2	111	0.00
33		4-Chloroaniline	40.000	39.930	0.2	80	-0.01
34	C	Hexachlorobutadiene	40.000	40.762	-1.9	83	0.00
35		Caprolactam	40.000	43.955	-9.9	83	0.00
36	C	4-Chloro-3-methylphenol	40.000	43.207	-8.0	87	0.00
37		2-Methylnaphthalene	40.000	39.695	0.8	81	0.00
38		1-Methylnaphthalene	40.000	39.461	1.3	81	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	78	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.244	-0.6	85	0.00
41	P	Hexachlorocyclopentadiene	40.000	45.288	-13.2	88	0.00
42	S	2,4,6-Tribromophenol	80.000	94.468	-18.1	93	0.00
43	C	2,4,6-Trichlorophenol	40.000	44.660	-11.6	87	0.00
44		2,4,5-Trichlorophenol	40.000	43.069	-7.7	86	0.00
45	S	2-Fluorobiphenyl	80.000	76.057	4.9	81	0.00
46		1,1'-Biphenyl	40.000	39.019	2.5	82	0.00
47		2-Chloronaphthalene	40.000	39.480	1.3	83	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142384.D
Acq On : 15 May 2025 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: May 15 10:43:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 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	46.970	-17.4	89	0.00
49		Acenaphthylene	40.000	39.556	1.1	82	0.00
50		Dimethylphthalate	40.000	40.641	-1.6	84	0.00
51		2,6-Dinitrotoluene	40.000	47.782	-19.5	91	0.00
52	C	Acenaphthene	40.000	40.709	-1.8	85	0.00
53		3-Nitroaniline	40.000	46.586	-16.5	89	0.00
54	P	2,4-Dinitrophenol	40.000	52.287	-30.7#	124	0.00
55		Dibenzofuran	40.000	39.460	1.3	83	0.00
56	P	4-Nitrophenol	40.000	50.863	-27.2#	98	0.00
57		2,4-Dinitrotoluene	40.000	50.147	-25.4#	94	0.00
58		Fluorene	40.000	38.957	2.6	82	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	45.231	-13.1	89	0.00
60		Diethylphthalate	40.000	39.551	1.1	82	0.00
61		4-Chlorophenyl-phenylether	40.000	40.251	-0.6	84	0.00
62		4-Nitroaniline	40.000	48.448	-21.1	94	0.00
63		Azobenzene	40.000	38.382	4.0	81	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	80	0.00
65		4,6-Dinitro-2-methylphenol	40.000	50.061	-25.2#	116	0.00
66	c	n-Nitrosodiphenylamine	40.000	39.193	2.0	83	0.00
67		4-Bromophenyl-phenylether	40.000	40.333	-0.8	85	0.00
68		Hexachlorobenzene	40.000	40.540	-1.3	85	0.00
69		Atrazine	40.000	41.159	-2.9	83	0.00
70	C	Pentachlorophenol	40.000	49.158	-22.9#	93	0.00
71		Phenanthrene	40.000	38.567	3.6	82	0.00
72		Anthracene	40.000	38.868	2.8	82	0.00
73		Carbazole	40.000	38.029	4.9	80	0.00
74		Di-n-butylphthalate	40.000	39.441	1.4	79	0.00
75	C	Fluoranthene	40.000	36.881	7.8	79	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	69	0.00
77		Benzidine	40.000	60.569	-51.4#	106	0.00
78		Pyrene	40.000	42.472	-6.2	76	0.00
79	S	Terphenyl-d14	80.000	82.657	-3.3	76	0.00
80		Butylbenzylphthalate	40.000	43.080	-7.7	81	0.00
81		Benzo(a)anthracene	40.000	39.532	1.2	71	0.00
82		3,3'-Dichlorobenzidine	40.000	53.961	-34.9#	94	0.00
83		Chrysene	40.000	38.699	3.3	73	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	45.102	-12.8	87	0.00
85	c	Di-n-octyl phthalate	40.000	46.831	-17.1	95	0.00
86	I	Perylene-d12	20.000	20.000	0.0	78	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	41.956	-4.9	83	0.00
88		Benzo(b)fluoranthene	40.000	38.990	2.5	80	0.00
89		Benzo(k)fluoranthene	40.000	38.028	4.9	79	0.00
90	C	Benzo(a)pyrene	40.000	40.961	-2.4	82	0.00
91		Dibenzo(a,h)anthracene	40.000	41.131	-2.8	82	0.00
92		Benzo(g,h,i)perylene	40.000	40.669	-1.7	81	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142384.D
Acq On : 15 May 2025 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: May 15 10:43:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 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 = 2

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1985 SAS No.: Q1985 SDG No.: Q1985

Instrument ID: BNA_F Calibration Date/Time: 05/15/2025 13:58

Lab File ID: BF142391.D Init. Calib. Date(s): 05/05/2025 05/05/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 13:54 17:15

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.172	1.203		2.6	50.0
Benzaldehyde	0.843	0.813		-3.6	50.0
Phenol-d6	1.441	1.447		0.4	50.0
Phenol	1.531	1.640		7.1	50.0
bis(2-Chloroethyl)ether	1.506	1.172		-22.2	50.0
2-Chlorophenol	1.252	1.315		5.0	50.0
2-Methylphenol	1.014	1.011		-0.3	50.0
2,2-oxybis(1-Chloropropane)	2.249	2.025		-10.0	50.0
Acetophenone	0.445	0.431		-3.1	50.0
3+4-Methylphenols	1.265	1.273		0.6	50.0
n-Nitroso-di-n-propylamine	0.891	0.836	0.050	-6.2	50.0
Nitrobenzene-d5	0.328	0.364		11.0	50.0
Hexachloroethane	0.478	0.492		2.9	50.0
Nitrobenzene	0.309	0.335		8.4	50.0
Isophorone	0.621	0.594		-4.3	50.0
2-Nitrophenol	0.129	0.183		41.9	50.0
2,4-Dimethylphenol	0.312	0.320		2.6	50.0
bis(2-Chloroethoxy)methane	0.399	0.372		-6.8	50.0
2,4-Dichlorophenol	0.265	0.283		6.8	50.0
Naphthalene	0.969	0.958		-1.1	50.0
4-Chloroaniline	0.395	0.394		-0.3	50.0
Hexachlorobutadiene	0.177	0.182		2.8	50.0
Caprolactam	0.077	0.086		11.7	50.0
4-Chloro-3-methylphenol	0.276	0.283		2.5	50.0
2-Methylnaphthalene	0.602	0.589		-2.2	50.0
Hexachlorocyclopentadiene	0.345	0.392	0.050	13.6	50.0
2,4,6-Trichlorophenol	0.352	0.391		11.1	50.0
2-Fluorobiphenyl	1.403	1.336		-4.8	50.0
2,4,5-Trichlorophenol	0.375	0.400		6.7	50.0
1,1-Biphenyl	1.533	1.493		-2.6	50.0
2-Chloronaphthalene	1.140	1.130		-0.9	50.0
2-Nitroaniline	0.292	0.352		20.5	50.0
Dimethylphthalate	1.284	1.277		-0.5	50.0
Acenaphthylene	1.908	1.885		-1.2	50.0
2,6-Dinitrotoluene	0.240	0.283		17.9	50.0
3-Nitroaniline	0.282	0.326		15.6	50.0
Acenaphthene	1.147	1.148		0.1	50.0
2,4-Dinitrophenol	0.102	0.159	0.050	55.9	50.0
4-Nitrophenol	0.212	0.259	0.050	22.2	50.0

Form VII SV-1

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TETR06

Lab Code: CHEM Case No.: Q1985 SAS No.: Q1985 SDG No.: Q1985

Instrument ID: BNA_F Calibration Date/Time: 05/15/2025 13:58

Lab File ID: BF142391.D Init. Calib. Date(s): 05/05/2025 05/05/2025

EPA Sample No.: SSTDCCC040EC Init. Calib. Time(s): 13:54 17:15

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.693	1.652		-2.4	50.0
2,4-Dinitrotoluene	0.308	0.385		25.0	50.0
Diethylphthalate	1.283	1.218		-5.1	50.0
4-Chlorophenyl-phenylether	0.623	0.608		-2.4	50.0
Fluorene	1.292	1.257		-2.7	50.0
4-Nitroaniline	0.223	0.293		31.4	50.0
4,6-Dinitro-2-methylphenol	0.082	0.120		46.3	50.0
n-Nitrosodiphenylamine	0.666	0.654		-1.8	50.0
2,4,6-Tribromophenol	0.193	0.222		15.0	50.0
4-Bromophenyl-phenylether	0.227	0.224		-1.3	50.0
Hexachlorobenzene	0.249	0.251		0.8	50.0
Atrazine	0.175	0.184		5.1	50.0
Pentachlorophenol	0.131	0.160		22.1	50.0
Phenanthrene	1.048	1.024		-2.3	50.0
Anthracene	1.077	1.062		-1.4	50.0
Carbazole	0.966	0.948		-1.9	50.0
Di-n-butylphthalate	1.016	0.982		-3.3	50.0
Fluoranthene	1.048	0.996		-5.0	50.0
Pyrene	1.780	1.890		6.2	50.0
Terphenyl-d14	1.351	1.383		2.4	50.0
Butylbenzylphthalate	0.449	0.500		11.4	50.0
3,3-Dichlorobenzidine	0.301	0.418		38.9	50.0
Benzo(a)anthracene	1.295	1.335		3.1	50.0
Chrysene	1.206	1.161		-3.7	50.0
Bis(2-ethylhexyl)phthalate	0.573	0.629		9.8	50.0
Di-n-octyl phthalate	1.057	1.255		18.7	50.0
Benzo(b)fluoranthene	1.211	1.234		1.9	50.0
Benzo(k)fluoranthene	1.109	0.959		-13.5	50.0
Benzo(a)pyrene	1.085	1.102		1.6	50.0
Indeno(1,2,3-cd)pyrene	1.391	1.484		6.7	50.0
Dibenzo(a,h)anthracene	1.149	1.193		3.8	50.0
Benzo(g,h,i)perylene	1.141	1.188		4.1	50.0
1,2,4,5-Tetrachlorobenzene	0.559	0.568		1.6	50.0
1,4-Dioxane	0.528	0.512		-3.0	50.0
2,3,4,6-Tetrachlorophenol	0.309	0.339		9.7	50.0

All other compounds must meet a minimum RRF of 0.010.

Form VII SV-1

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142391.D
Acq On : 15 May 2025 13:58
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Quant Time: May 15 14:49:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	165693	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	627892	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	329169	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	556891	20.000	ng	0.00
76) Chrysene-d12	14.063	240	288492	20.000	ng	0.00
86) Perylene-d12	15.557	264	322668	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	797453	82.159	ng	0.00
7) Phenol-d6	6.528	99	959335	80.360	ng	0.00
23) Nitrobenzene-d5	7.469	82	913864	88.764	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	292651	92.085	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	1759664	76.224	ng	0.00
79) Terphenyl-d14	13.010	244	1595908	81.878	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.681	88	169630	38.809	ng	97
3) Pyridine	3.446	79	435405	42.429	ng	97
4) n-Nitrosodimethylamine	3.399	42	228349	38.286	ng	96
6) Aniline	6.563	93	634680	54.203	ng	99
8) 2-Chlorophenol	6.687	128	435861	42.022	ng	97
9) Benzaldehyde	6.451	77	269299	38.543	ng	100
10) Phenol	6.540	94	543482	42.948	ng	97
11) bis(2-Chloroethyl)ether	6.640	93	388497	31.132	ng	98
12) 1,3-Dichlorobenzene	6.845	146	469836	39.594	ng	98
13) 1,4-Dichlorobenzene	6.922	146	472299	39.641	ng	99
14) 1,2-Dichlorobenzene	7.075	146	451558	39.485	ng	99
15) Benzyl Alcohol	7.039	79	341363	44.159	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.175	45	671161	36.016	ng	99
17) 2-Methylphenol	7.151	107	335185	39.916	ng	99
18) Hexachloroethane	7.416	117	163112	41.147	ng	100
19) n-Nitroso-di-n-propyla...	7.316	70	277148	37.532	ng	98
20) 3+4-Methylphenols	7.304	107	421993	40.266	ng	92
22) Acetophenone	7.310	105	541495	38.787	ng	95
24) Nitrobenzene	7.487	77	420414	43.320	ng	97
25) Isophorone	7.722	82	746092	38.269	ng	99
26) 2-Nitrophenol	7.798	139	229292	48.931	ng	99
27) 2,4-Dimethylphenol	7.834	122	401232	40.934	ng	100
28) bis(2-Chloroethoxy)met...	7.934	93	467200	37.268	ng	99
29) 2,4-Dichlorophenol	8.039	162	355863	42.703	ng	99
30) 1,2,4-Trichlorobenzene	8.128	180	377066	40.205	ng	99
31) Naphthalene	8.210	128	1203630	39.552	ng	100
32) Benzoic acid	7.939	122	253688	48.196	ng	99
33) 4-Chloroaniline	8.251	127	494386	39.814	ng	99
34) Hexachlorobutadiene	8.322	225	228906	41.218	ng	99
35) Caprolactam	8.622	113	108318	44.599	ng	93
36) 4-Chloro-3-methylphenol	8.728	107	354797	40.957	ng	100
37) 2-Methylnaphthalene	8.898	142	739060	39.084	ng	99
38) 1-Methylnaphthalene	8.998	142	765722	38.852	ng	98
40) 1,2,4,5-Tetrachloroben...	9.063	216	374052	40.687	ng	98
41) Hexachlorocyclopentadiene	9.051	237	258074	45.422	ng	99
43) 2,4,6-Trichlorophenol	9.169	196	257221	44.357	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142391.D
Acq On : 15 May 2025 13:58
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Quant Time: May 15 14:49:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration

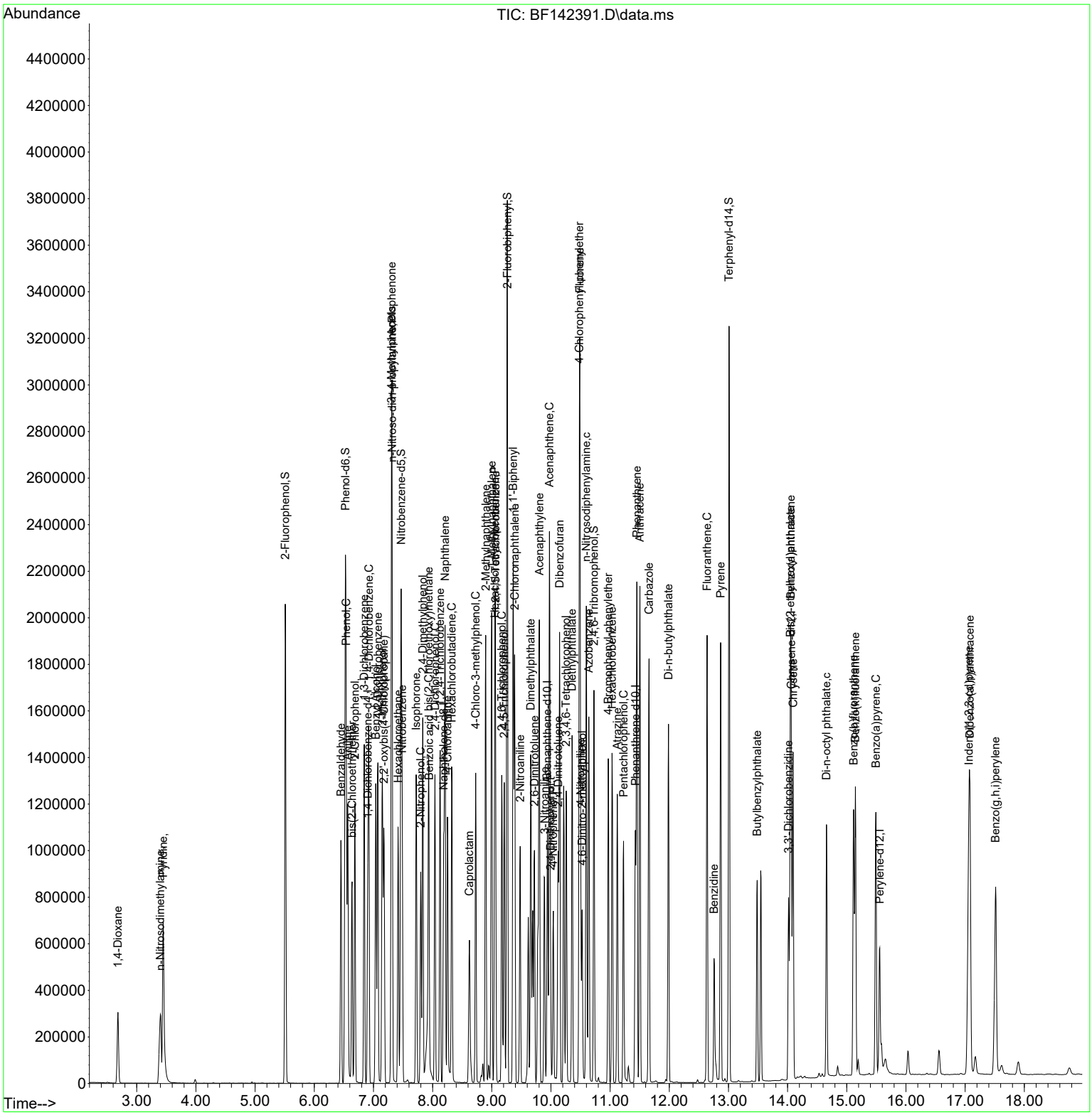
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	263184	42.655	ng		99
46) 1,1'-Biphenyl	9.363	154	982857	38.942	ng		99
47) 2-Chloronaphthalene	9.386	162	743800	39.628	ng		99
48) 2-Nitroaniline	9.480	65	231469	48.112	ng		93
49) Acenaphthylene	9.804	152	1240865	39.520	ng		100
50) Dimethylphthalate	9.657	163	840785	39.778	ng		100
51) 2,6-Dinitrotoluene	9.722	165	186028	47.019	ng		89
52) Acenaphthene	9.975	154	755546	40.019	ng		100
53) 3-Nitroaniline	9.892	138	214345	46.193	ng		93
54) 2,4-Dinitrophenol	9.992	184	104835	53.459	ng	#	12
55) Dibenzofuran	10.145	168	1087881	39.044	ng		100
56) 4-Nitrophenol	10.039	139	170308	48.767	ng		96
57) 2,4-Dinitrotoluene	10.122	165	253558	49.962	ng		94
58) Fluorene	10.486	166	827290	38.906	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.257	232	223425	43.865	ng		97
60) Diethylphthalate	10.357	149	801876	37.988	ng		99
61) 4-Chlorophenyl-phenyle...	10.480	204	400075	38.998	ng		99
62) 4-Nitroaniline	10.504	138	193006	52.481	ng		97
63) Azobenzene	10.639	77	745907	36.980	ng		99
65) 4,6-Dinitro-2-methylph...	10.528	198	133682	50.973	ng		98
66) n-Nitrosodiphenylamine	10.598	169	728940	39.336	ng		100
67) 4-Bromophenyl-phenylether	10.969	248	249452	39.524	ng		98
68) Hexachlorobenzene	11.033	284	279630	40.278	ng		98
69) Atrazine	11.122	200	204381	41.840	ng		99
70) Pentachlorophenol	11.227	266	178385	48.843	ng		99
71) Phenanthrene	11.451	178	1140799	39.081	ng		100
72) Anthracene	11.504	178	1182631	39.429	ng		99
73) Carbazole	11.657	167	1055338	39.219	ng		100
74) Di-n-butylphthalate	11.986	149	1094163	38.669	ng		99
75) Fluoranthene	12.639	202	1108935	38.003	ng		99
77) Benzidine	12.757	184	343850	65.586	ng		98
78) Pyrene	12.869	202	1090362	42.462	ng		100
80) Butylbenzylphthalate	13.486	149	288328	39.201	ng		98
81) Benzo(a)anthracene	14.057	228	770111	41.220	ng		99
82) 3,3'-Dichlorobenzidine	14.015	252	240994	55.468	ng		100
83) Chrysene	14.092	228	669868	38.515	ng		100
84) Bis(2-ethylhexyl)phtha...	14.045	149	363177	38.167	ng		99
85) Di-n-octyl phthalate	14.657	149	723835	42.259	ng		98
87) Indeno(1,2,3-cd)pyrene	17.062	276	957618	42.664	ng		99
88) Benzo(b)fluoranthene	15.115	252	796168	40.740	ng		99
89) Benzo(k)fluoranthene	15.145	252	618596	34.589	ng		100
90) Benzo(a)pyrene	15.492	252	710974	40.599	ng		99
91) Dibenzo(a,h)anthracene	17.080	278	769936	41.520	ng		99
92) Benzo(g,h,i)perylene	17.515	276	766601	41.653	ng		98

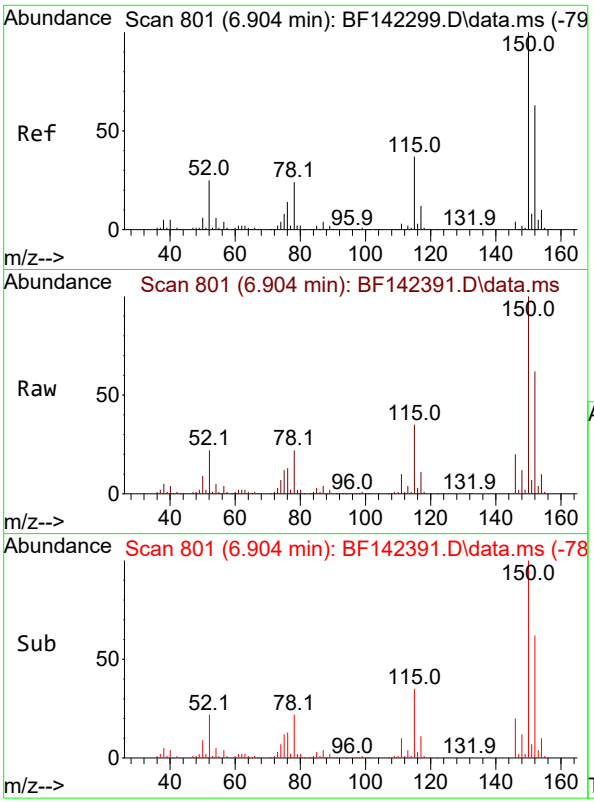
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142391.D
Acq On : 15 May 2025 13:58
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Quant Time: May 15 14:49:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration



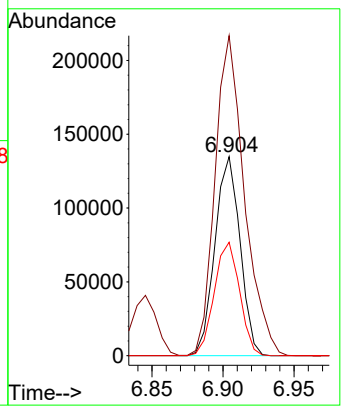


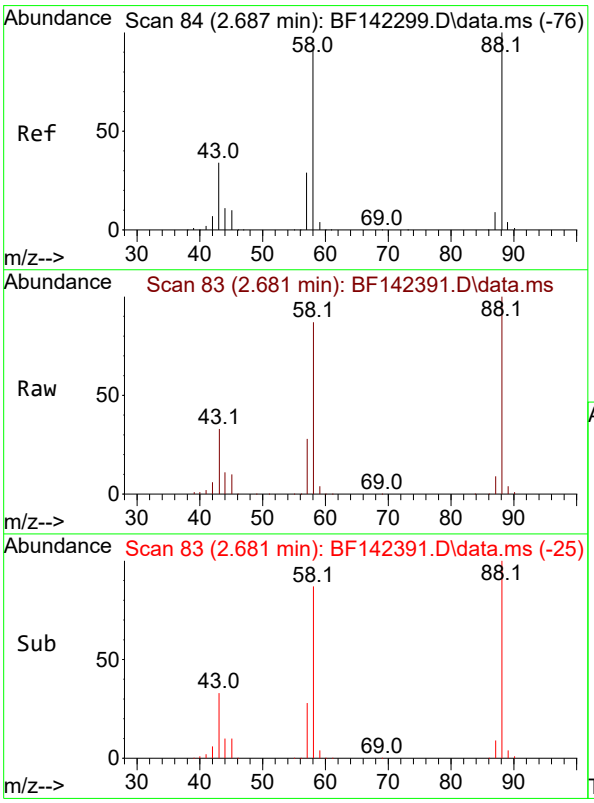
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:152 Resp: 165693

Ion	Ratio	Lower	Upper
152	100		
150	160.8	126.6	190.0
115	57.0	47.3	70.9

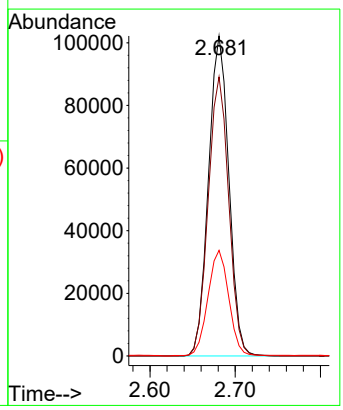


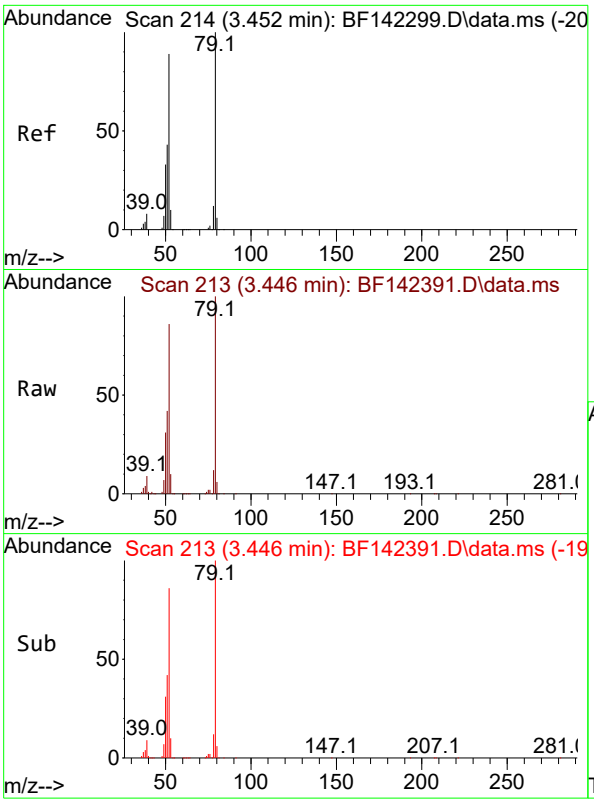


#2
1,4-Dioxane
Concen: 38.809 ng
RT: 2.681 min Scan# 83
Delta R.T. -0.006 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Tgt Ion: 88 Resp: 169630

Ion	Ratio	Lower	Upper
88	100		
58	88.0	73.0	109.4
43	33.9	27.8	41.6



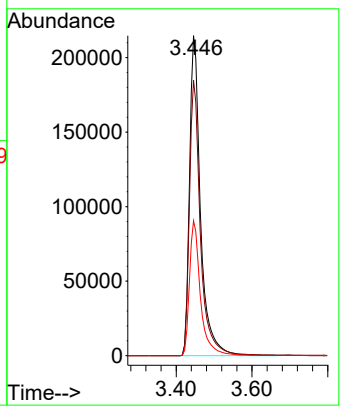


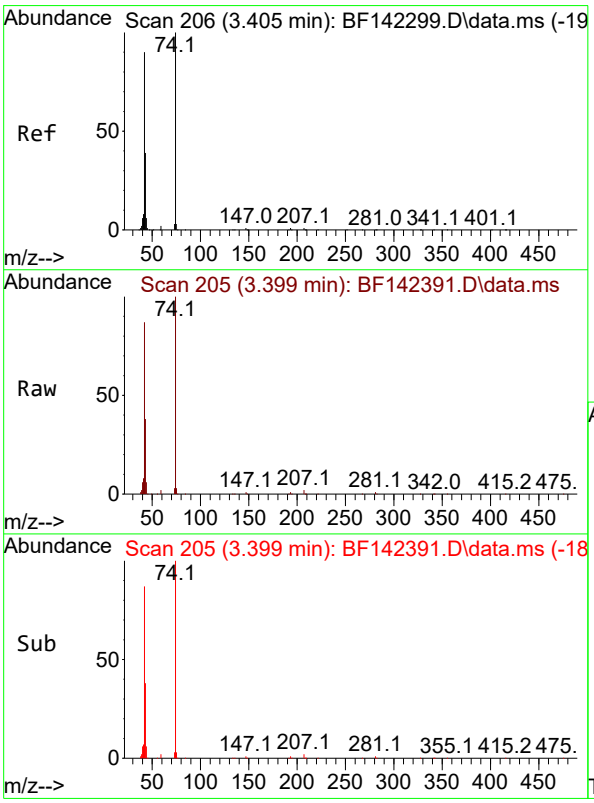
#3
Pyridine
Concen: 42.429 ng
RT: 3.446 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 79 Resp: 435405

Ion	Ratio	Lower	Upper
79	100		
52	86.1	71.0	106.4
51	42.1	34.9	52.3

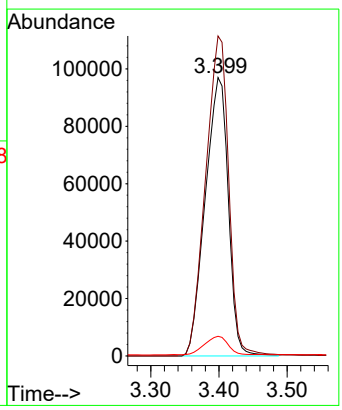


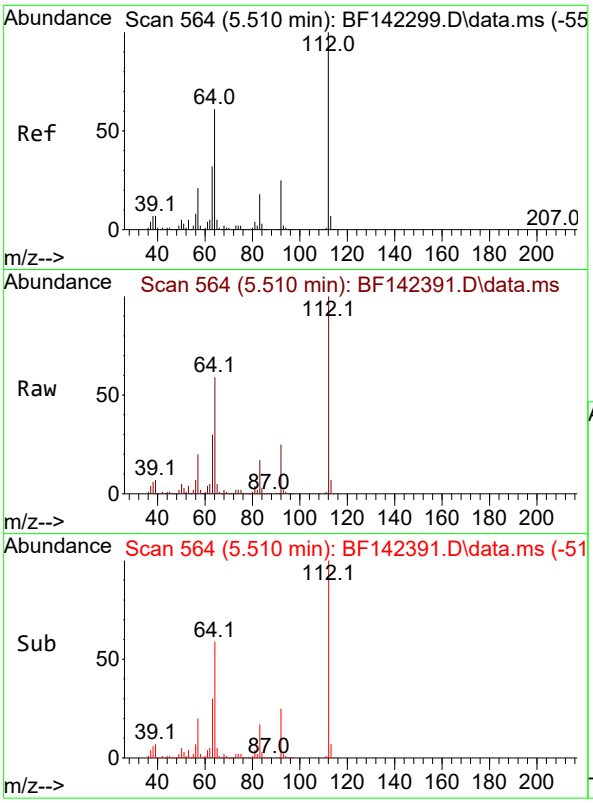


#4
n-Nitrosodimethylamine
Concen: 38.286 ng
RT: 3.399 min Scan# 205
Delta R.T. -0.006 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Tgt Ion: 42 Resp: 228349

Ion	Ratio	Lower	Upper
42	100		
74	115.0	88.5	132.7
44	7.1	5.8	8.8



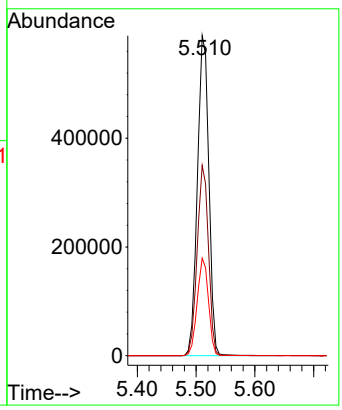


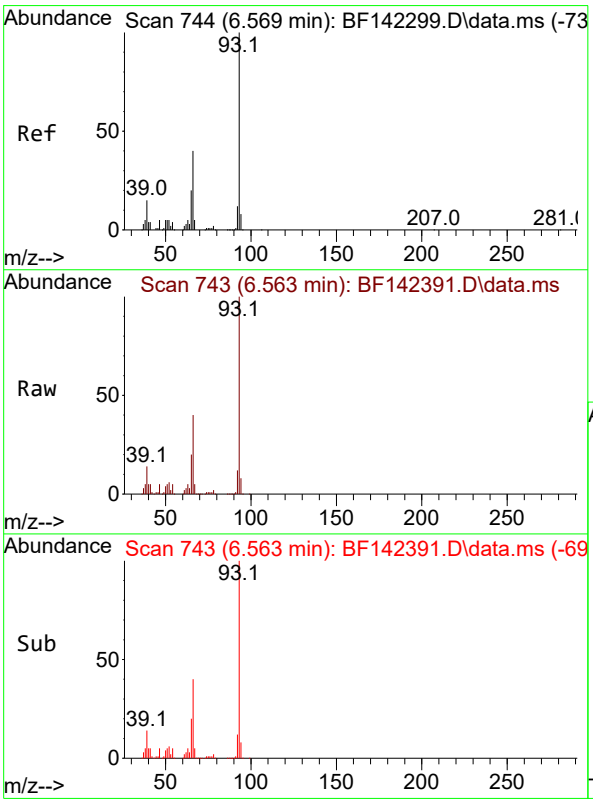
#5
2-Fluorophenol
Concen: 82.159 ng
RT: 5.510 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:112 Resp: 797453

Ion	Ratio	Lower	Upper
112	100		
64	59.4	48.9	73.3
63	30.4	25.6	38.4

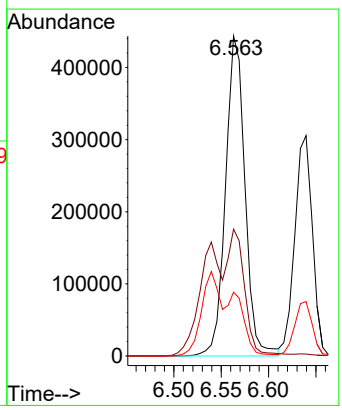


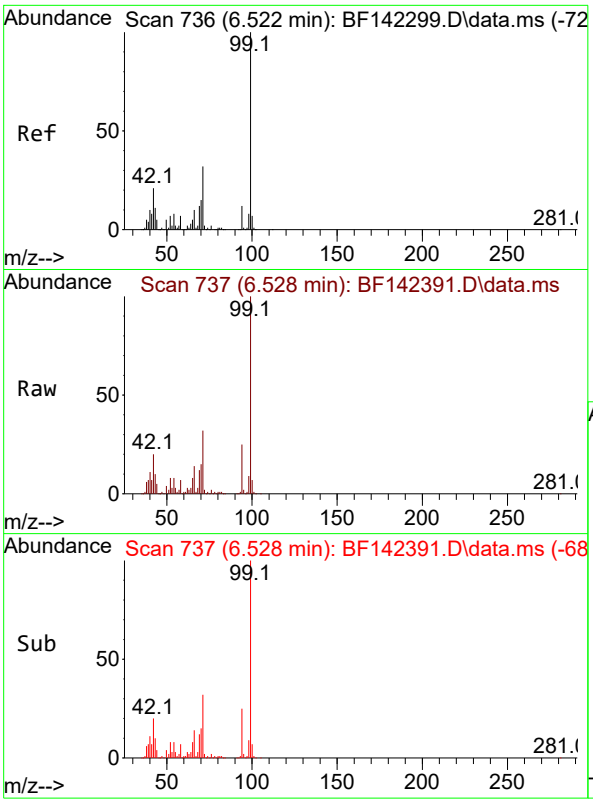


#6
Aniline
Concen: 54.203 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Tgt Ion: 93 Resp: 634680

Ion	Ratio	Lower	Upper
93	100		
66	39.7	32.2	48.4
65	20.0	16.3	24.5



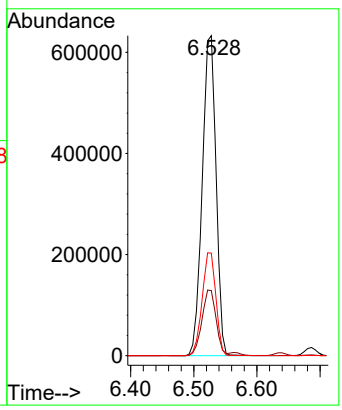


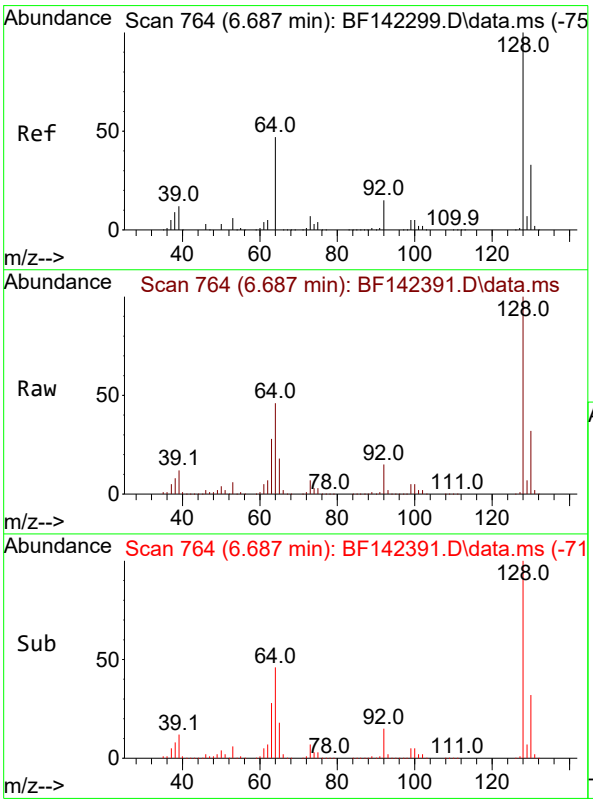
#7
Phenol-d6
Concen: 80.360 ng
RT: 6.528 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 99 Resp: 959335

Ion	Ratio	Lower	Upper
99	100		
42	20.3	17.0	25.4
71	32.0	25.8	38.8

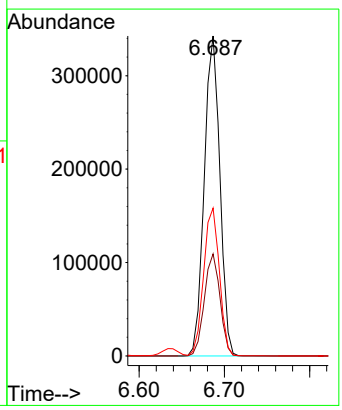


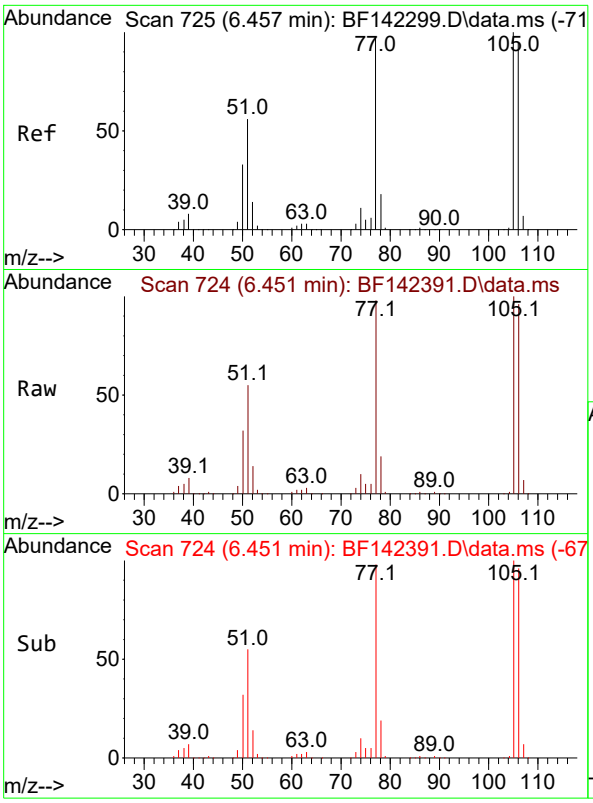


#8
2-Chlorophenol
Concen: 42.022 ng
RT: 6.687 min Scan# 764
Delta R.T. -0.000 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Tgt Ion:128 Resp: 435861

Ion	Ratio	Lower	Upper
128	100		
130	31.9	12.7	52.7
64	46.2	29.2	69.2



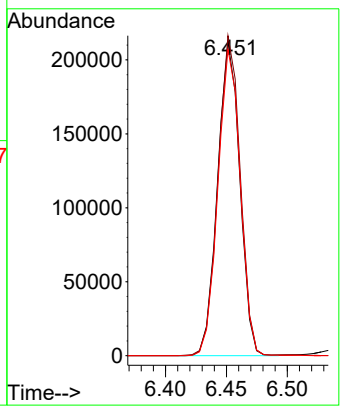


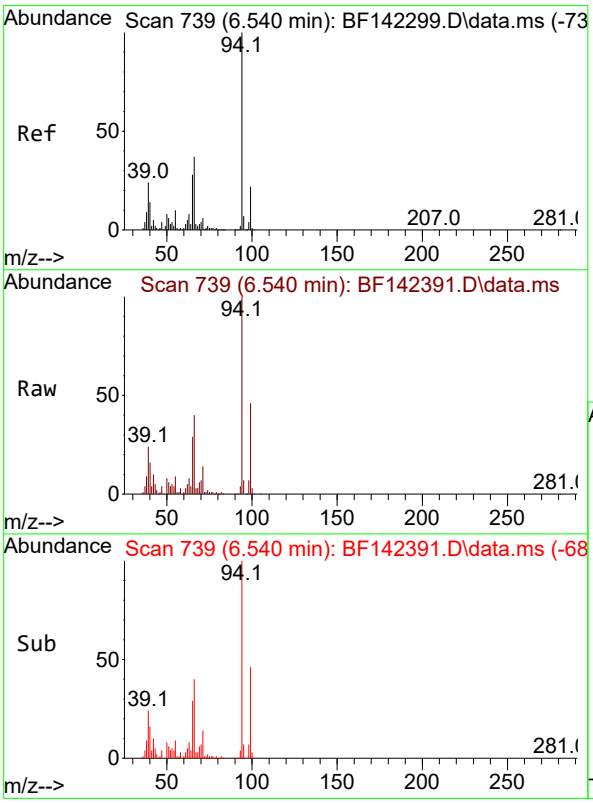
#9
Benzaldehyde
Concen: 38.543 ng
RT: 6.451 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 269299

Ion	Ratio	Lower	Upper
77	100		
105	101.9	82.0	122.0
106	97.6	77.2	117.2

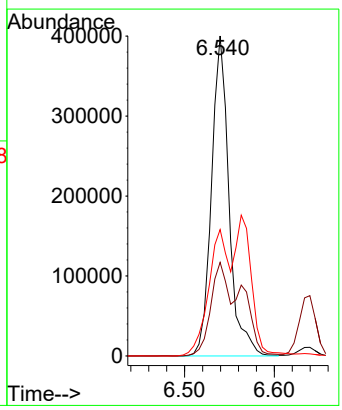


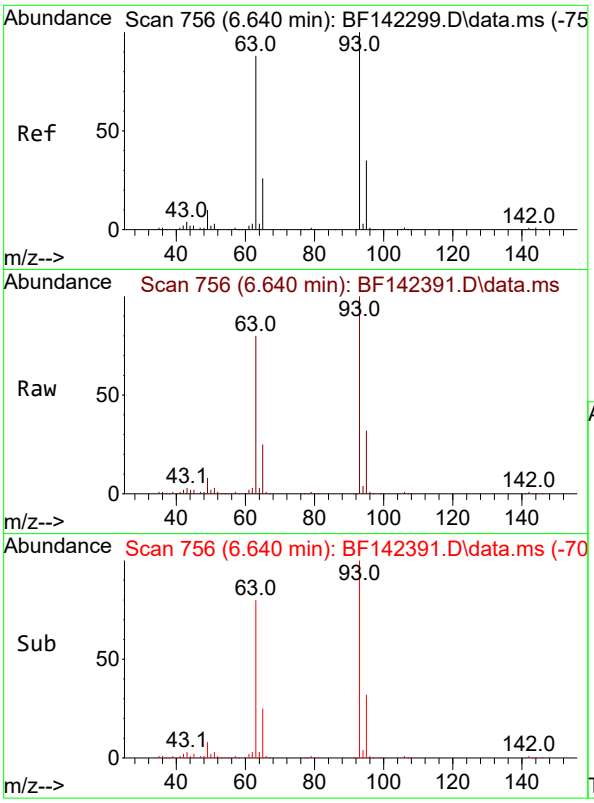


#10
Phenol
Concen: 42.948 ng
RT: 6.540 min Scan# 739
Delta R.T. -0.000 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Tgt Ion: 94 Resp: 543482

Ion	Ratio	Lower	Upper
94	100		
65	29.3	8.5	48.5
66	39.5	17.3	57.3



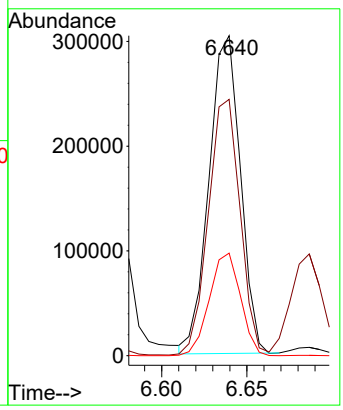


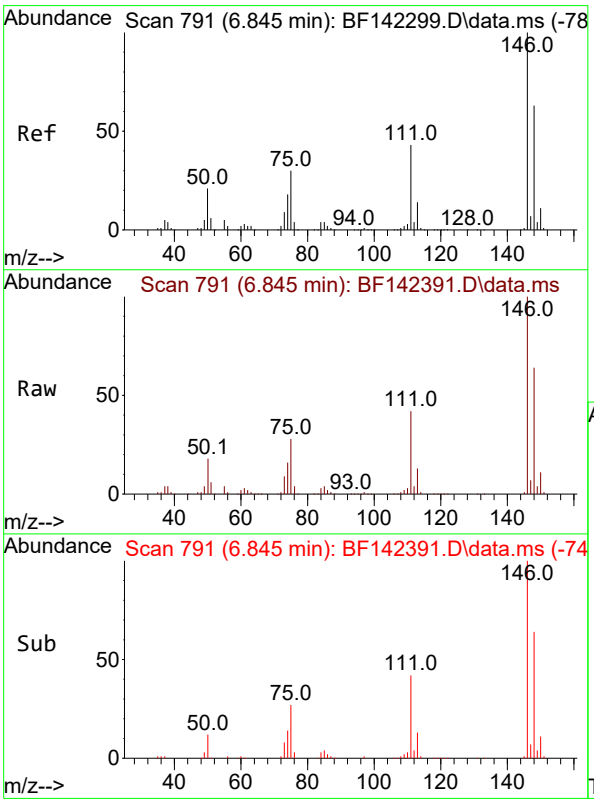
#11
bis(2-Chloroethyl)ether
Concen: 31.132 ng
RT: 6.640 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 93 Resp: 388497

Ion	Ratio	Lower	Upper
93	100		
63	80.1	58.4	98.4
95	32.1	10.6	50.6

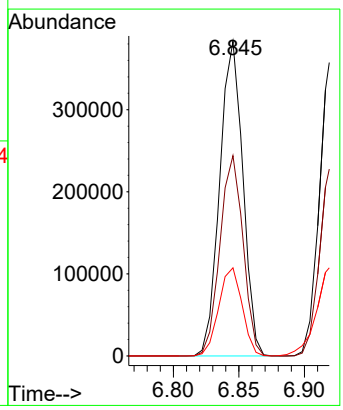


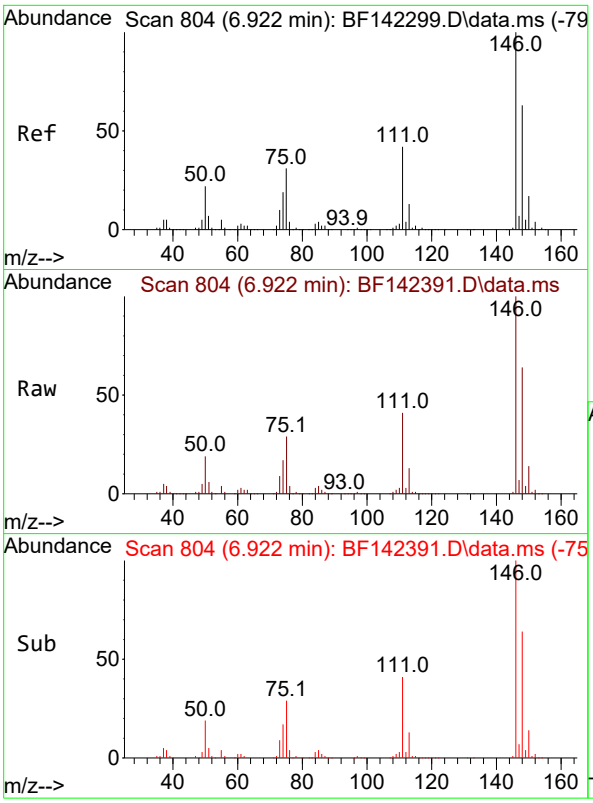


#12
1,3-Dichlorobenzene
Concen: 39.594 ng
RT: 6.845 min Scan# 791
Delta R.T. -0.000 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Tgt Ion:146 Resp: 469836

Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.6	76.0
75	28.0	24.2	36.4



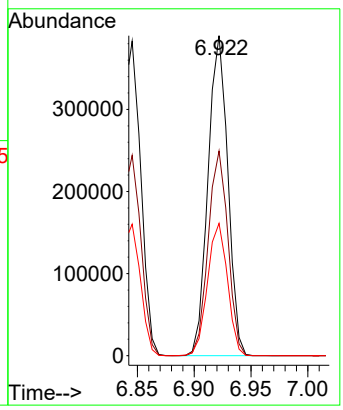


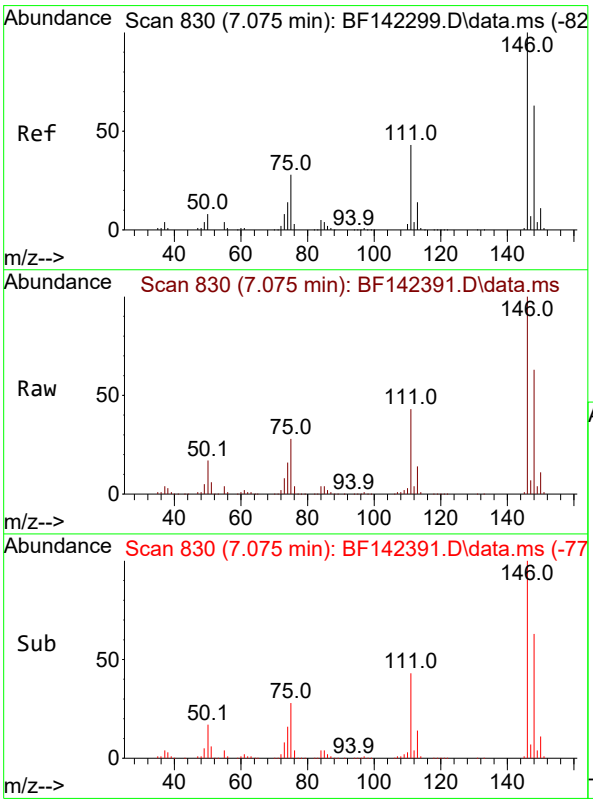
#13
1,4-Dichlorobenzene
Concen: 39.641 ng
RT: 6.922 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:146 Resp: 472299

Ion	Ratio	Lower	Upper
146	100		
148	64.0	50.5	75.7
111	41.4	33.4	50.2

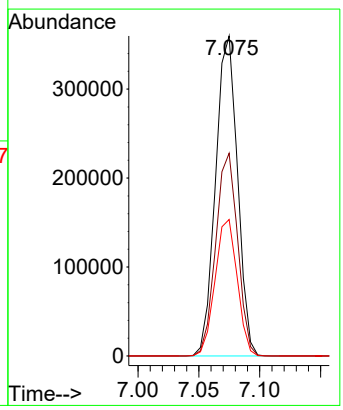


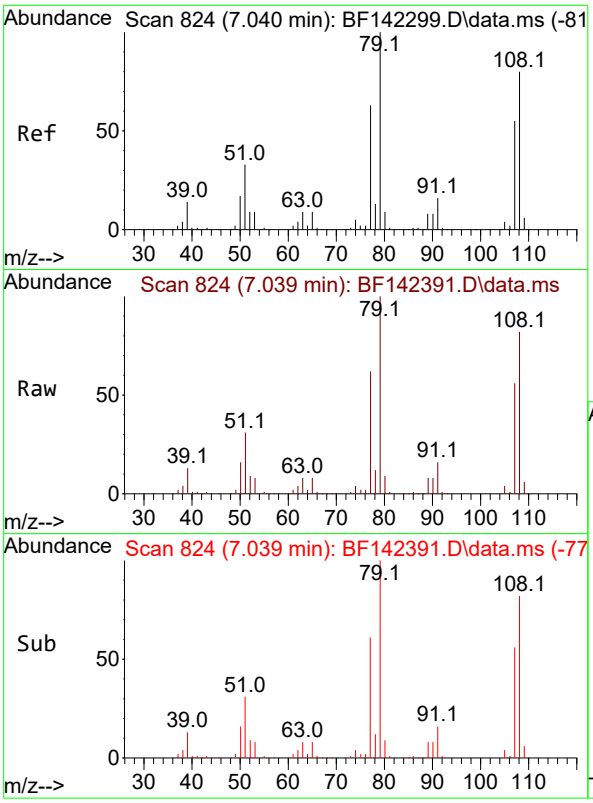


#14
1,2-Dichlorobenzene
Concen: 39.485 ng
RT: 7.075 min Scan# 830
Delta R.T. -0.000 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Tgt Ion:146 Resp: 451558

Ion	Ratio	Lower	Upper
146	100		
148	63.4	50.3	75.5
111	42.7	34.5	51.7



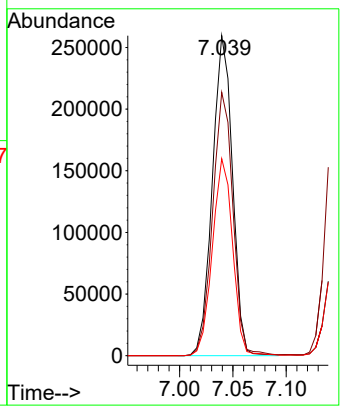


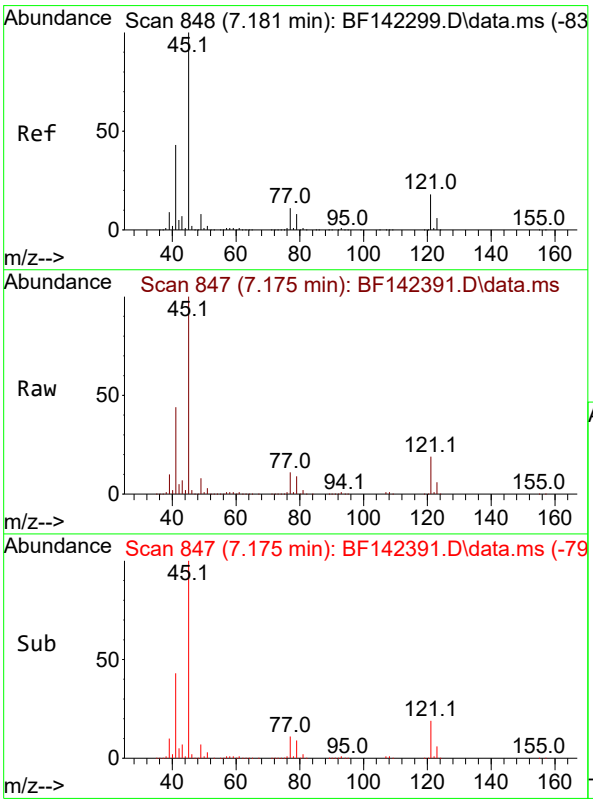
#15
Benzyl Alcohol
Concen: 44.159 ng
RT: 7.039 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 79 Resp: 341363

Ion	Ratio	Lower	Upper
79	100		
108	82.3	63.9	95.9
77	61.5	50.7	76.1

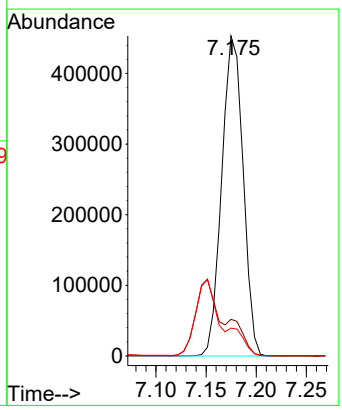


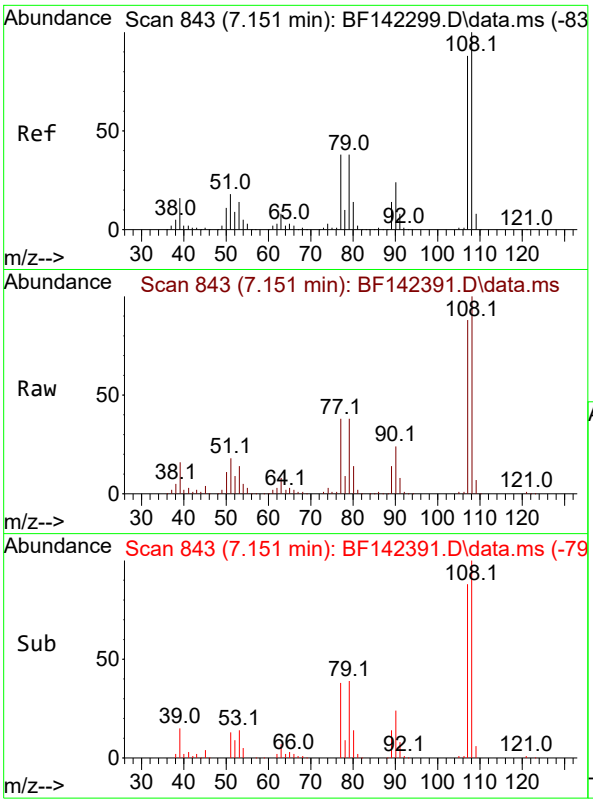


#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.016 ng
RT: 7.175 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Tgt Ion: 45 Resp: 671161

Ion	Ratio	Lower	Upper
45	100		
77	11.5	0.0	31.2
79	8.7	0.0	28.5



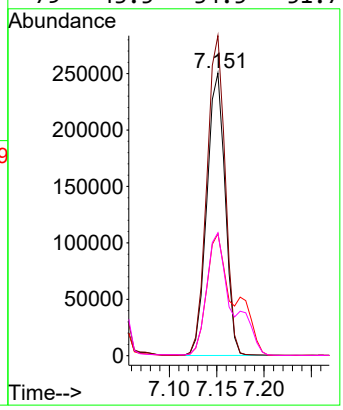


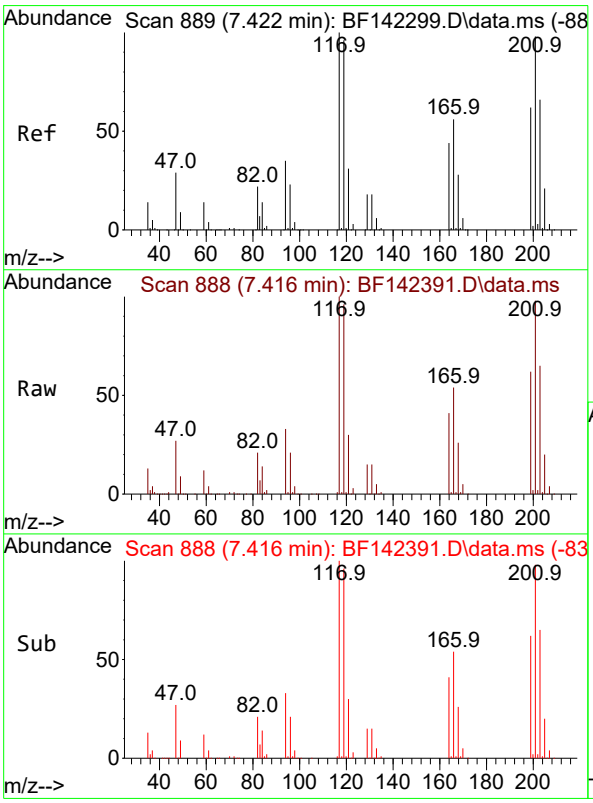
#17
2-Methylphenol
Concen: 39.916 ng
RT: 7.151 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:107 Resp: 335185

Ion	Ratio	Lower	Upper
107	100		
108	113.3	91.1	136.7
77	43.2	34.7	52.1
79	43.5	34.5	51.7

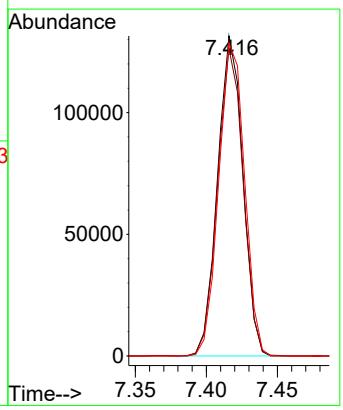


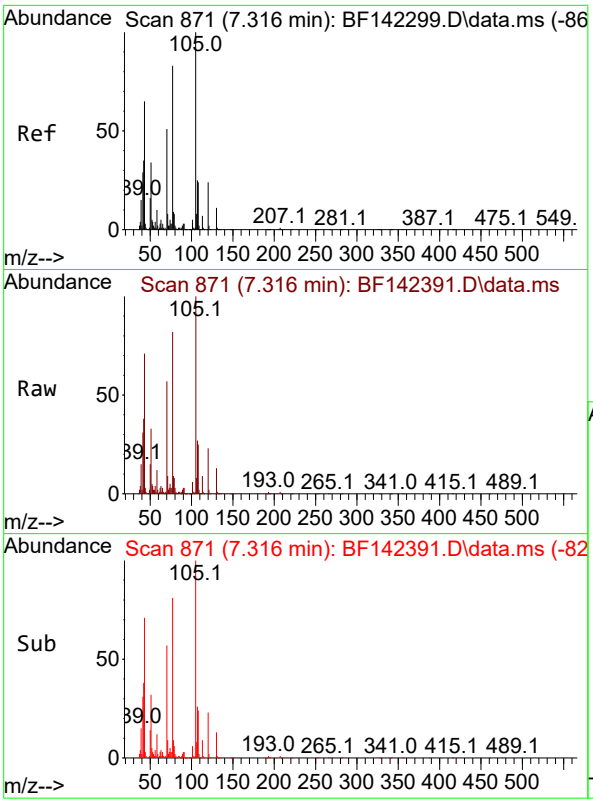


#18
Hexachloroethane
Concen: 41.147 ng
RT: 7.416 min Scan# 888
Delta R.T. -0.006 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Tgt Ion:117 Resp: 163112

Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.9	115.3
201	97.9	78.0	117.0



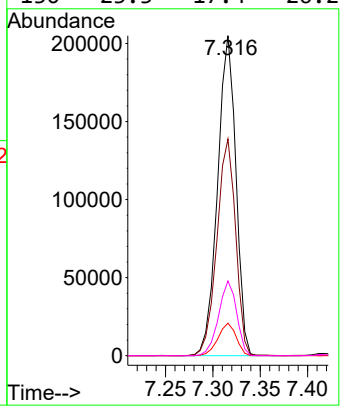


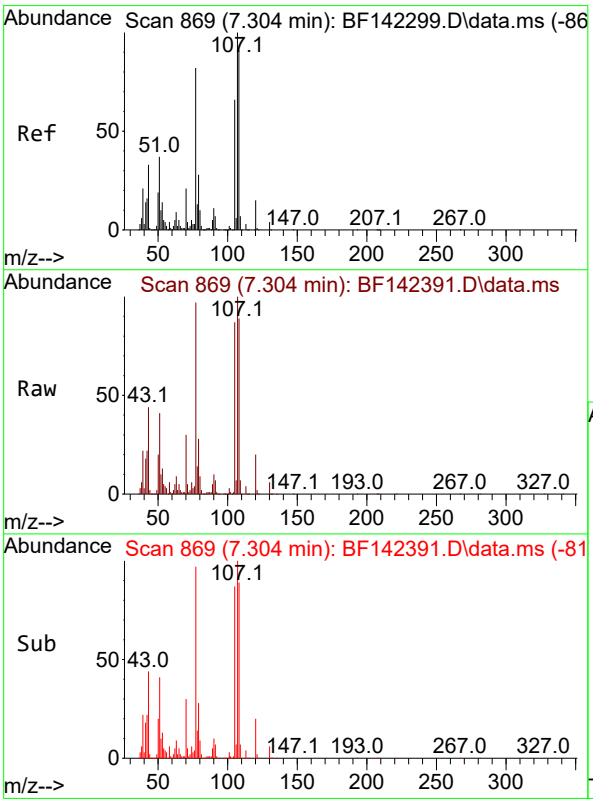
#19
n-Nitroso-di-n-propylamine
Concen: 37.532 ng
RT: 7.316 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 70 Resp: 277148

Ion	Ratio	Lower	Upper
70	100		
42	67.7	54.8	82.2
101	10.2	7.7	11.5
130	23.3	17.4	26.2

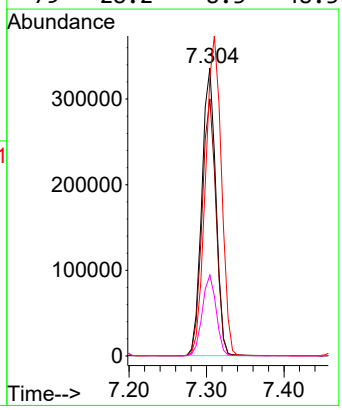


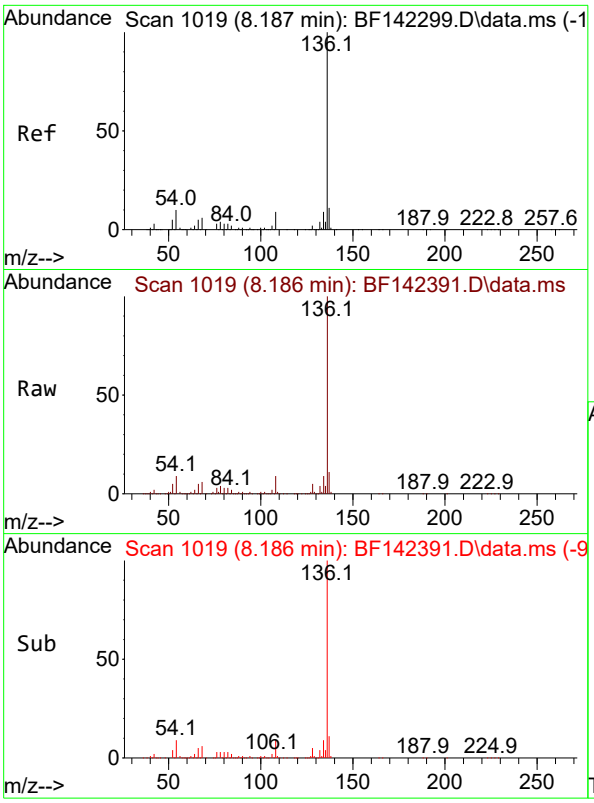


#20
3+4-Methylphenols
Concen: 40.266 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.000 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Tgt Ion:107 Resp: 421993

Ion	Ratio	Lower	Upper
107	100		
108	89.4	71.5	111.5
77	97.0	61.6	101.6
79	28.2	8.3	48.3



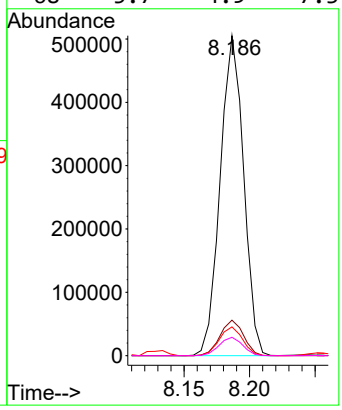


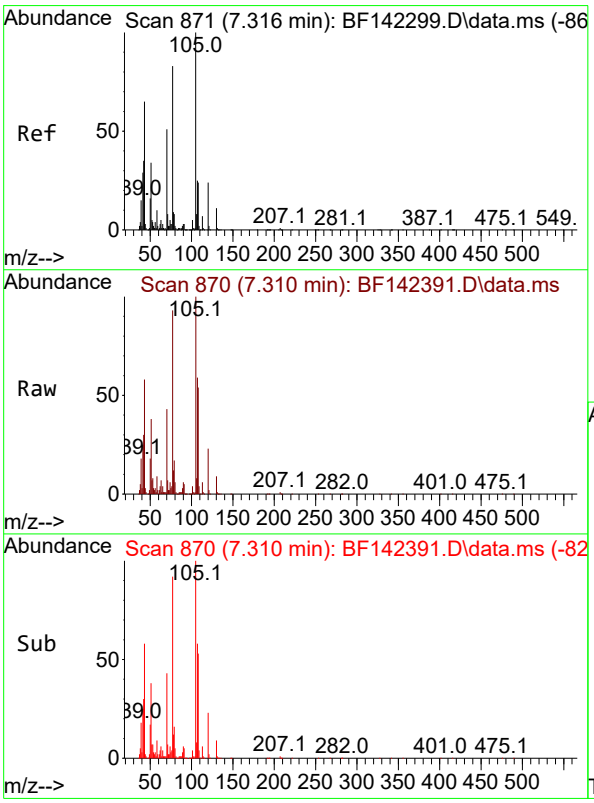
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:136 Resp: 627892

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	9.0	7.7	11.5
68	5.7	4.9	7.3

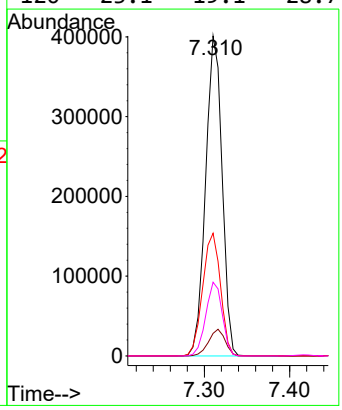


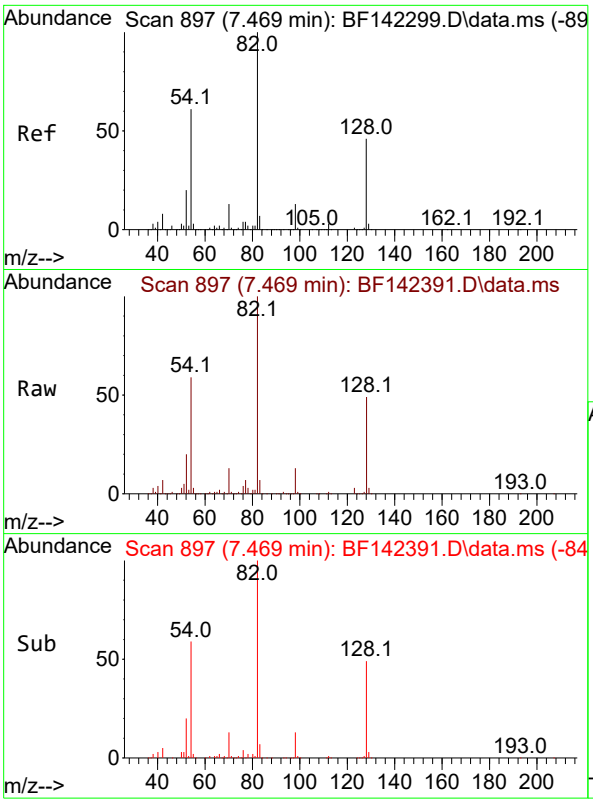


#22
Acetophenone
Concen: 38.787 ng
RT: 7.310 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Tgt Ion:105 Resp: 541495

Ion	Ratio	Lower	Upper
105	100		
71	7.1	6.7	10.1
51	38.4	27.6	41.4
120	23.1	19.1	28.7



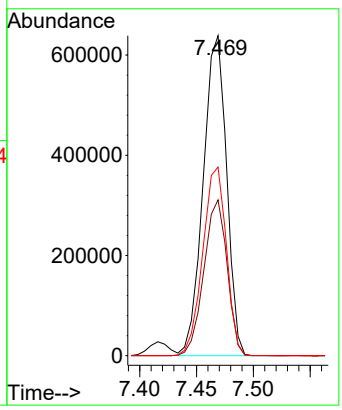


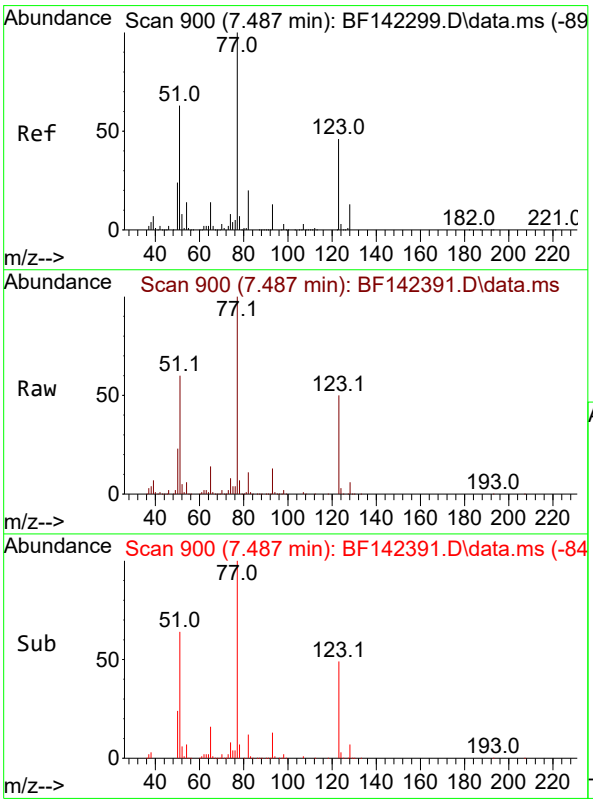
#23
Nitrobenzene-d5
Concen: 88.764 ng
RT: 7.469 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 913864

Ion	Ratio	Lower	Upper
82	100		
128	48.7	37.0	55.6
54	59.0	48.6	73.0

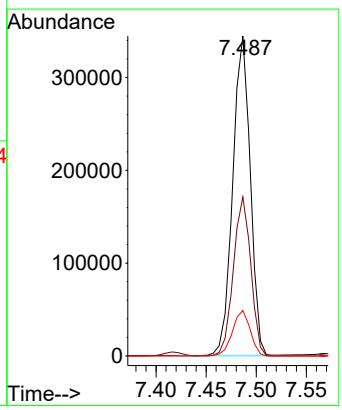


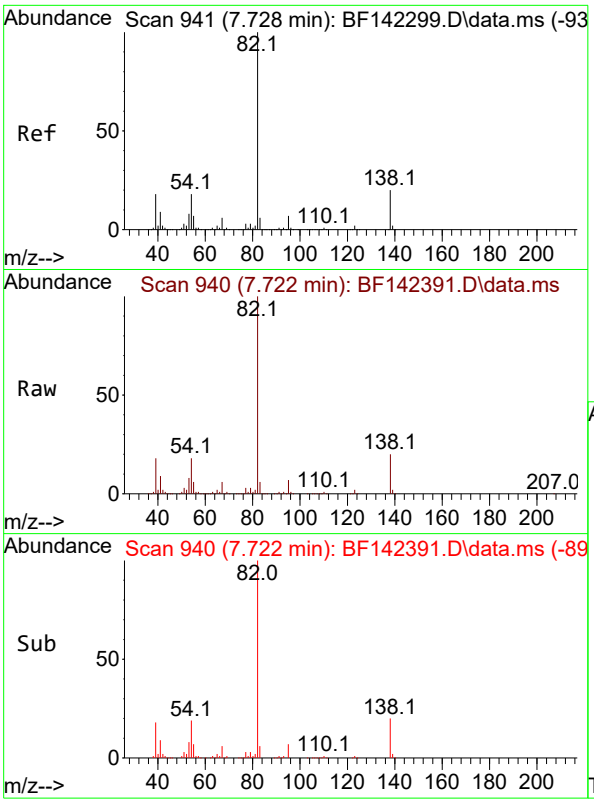


#24
Nitrobenzene
Concen: 43.320 ng
RT: 7.487 min Scan# 900
Delta R.T. -0.000 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Tgt Ion: 77 Resp: 420414

Ion	Ratio	Lower	Upper
77	100		
123	49.7	37.8	56.8
65	14.2	11.4	17.0



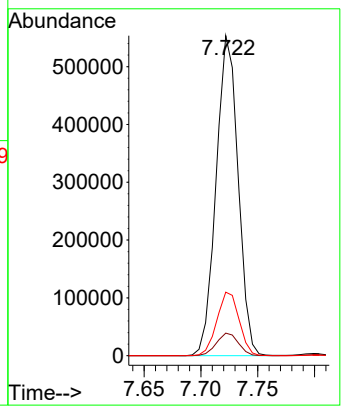


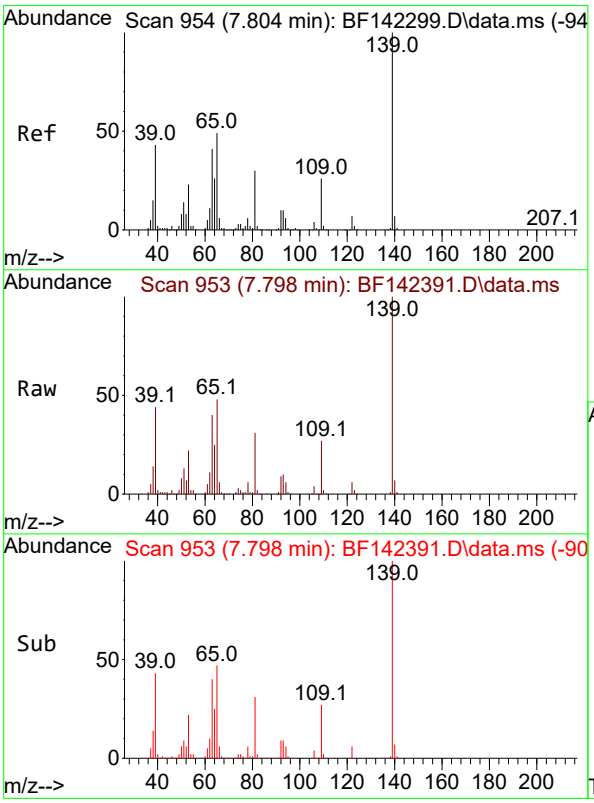
#25
Isophorone
Concen: 38.269 ng
RT: 7.722 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 82 Resp: 746092

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.8	8.8
138	19.8	16.1	24.1

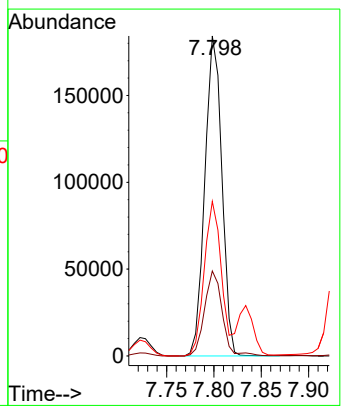


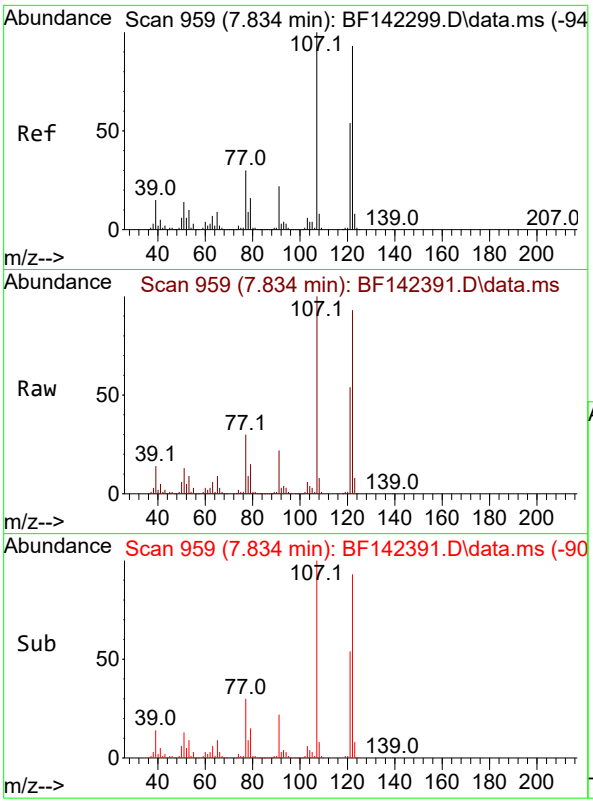


#26
2-Nitrophenol
Concen: 48.931 ng
RT: 7.798 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Tgt Ion:139 Resp: 229292

Ion	Ratio	Lower	Upper
139	100		
109	26.6	20.8	31.2
65	48.3	38.9	58.3



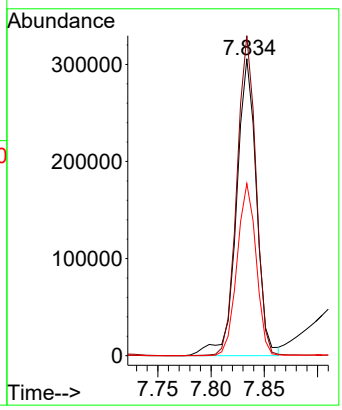


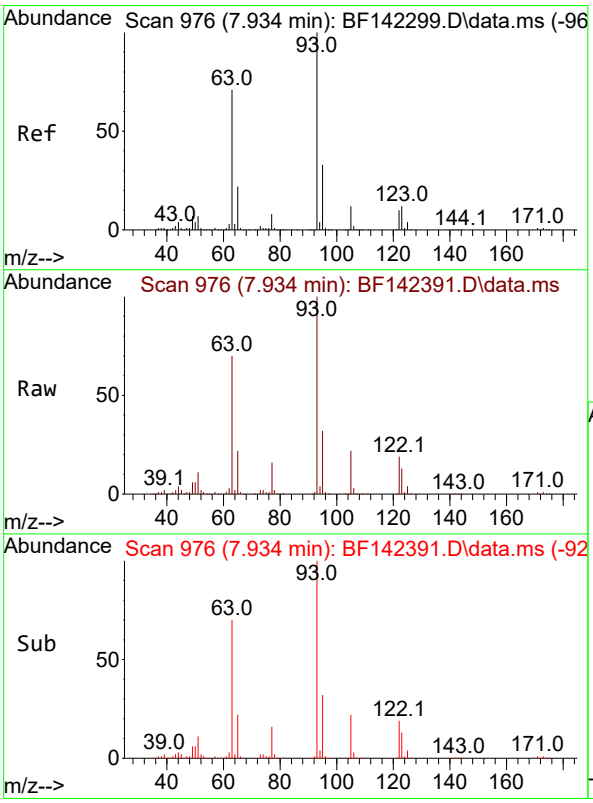
#27
2,4-Dimethylphenol
Concen: 40.934 ng
RT: 7.834 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:122 Resp: 401232

Ion	Ratio	Lower	Upper
122	100		
107	107.7	86.0	129.0
121	58.0	46.2	69.4

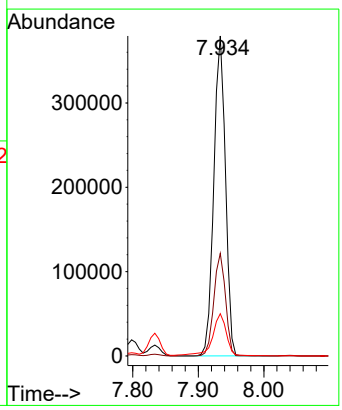


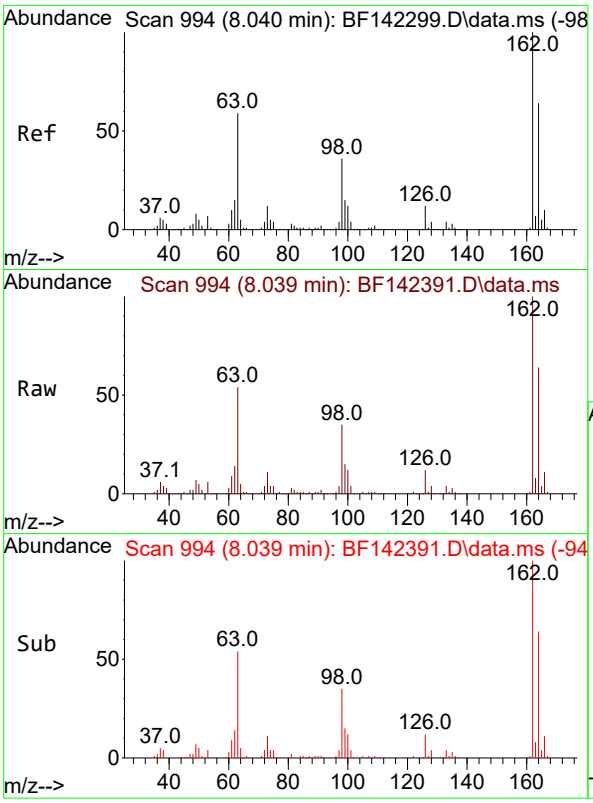


#28
bis(2-Chloroethoxy)methane
Concen: 37.268 ng
RT: 7.934 min Scan# 976
Delta R.T. -0.000 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Tgt Ion: 93 Resp: 467200

Ion	Ratio	Lower	Upper
93	100		
95	32.1	26.1	39.1
123	13.2	10.2	15.4



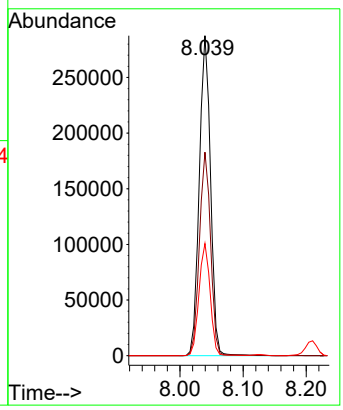


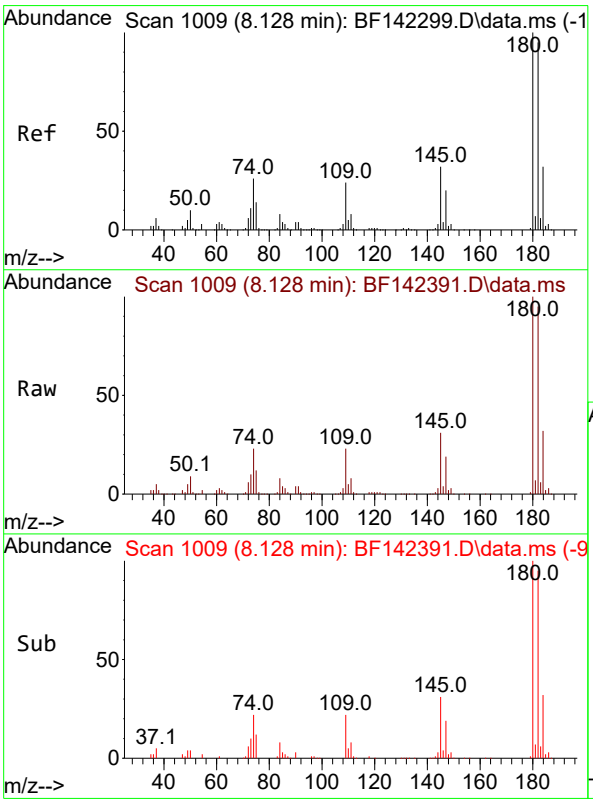
#29
2,4-Dichlorophenol
Concen: 42.703 ng
RT: 8.039 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 355863

Ion	Ratio	Lower	Upper
162	100		
164	63.6	43.6	83.6
98	35.1	16.5	56.5

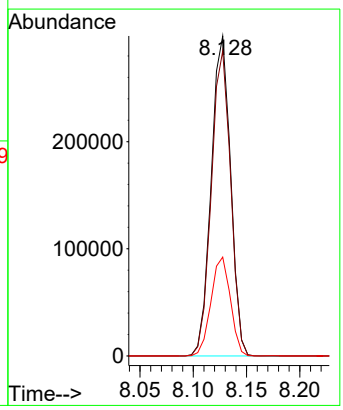


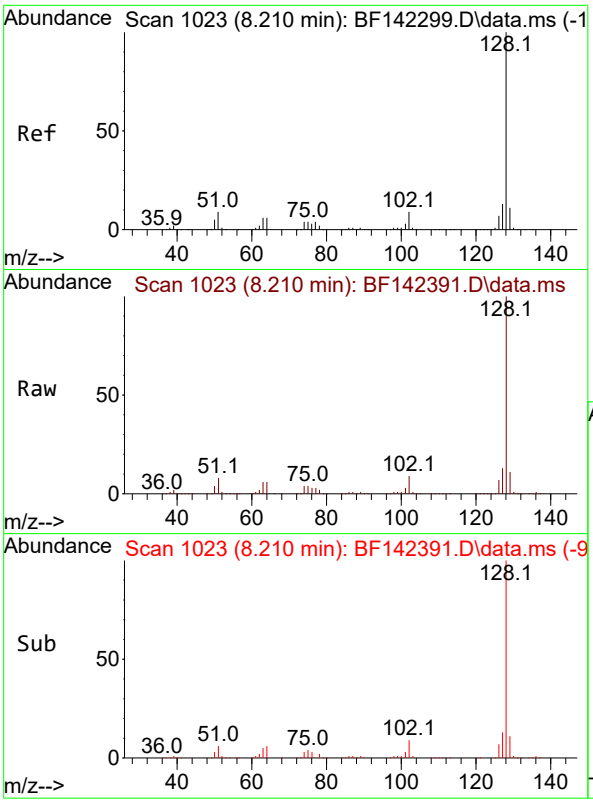


#30
1,2,4-Trichlorobenzene
Concen: 40.205 ng
RT: 8.128 min Scan# 1009
Delta R.T. -0.000 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Tgt Ion:180 Resp: 377066

Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.2	114.4
145	30.9	25.8	38.6



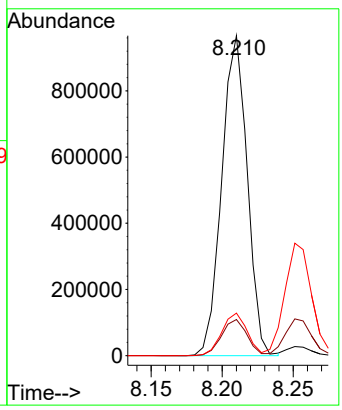


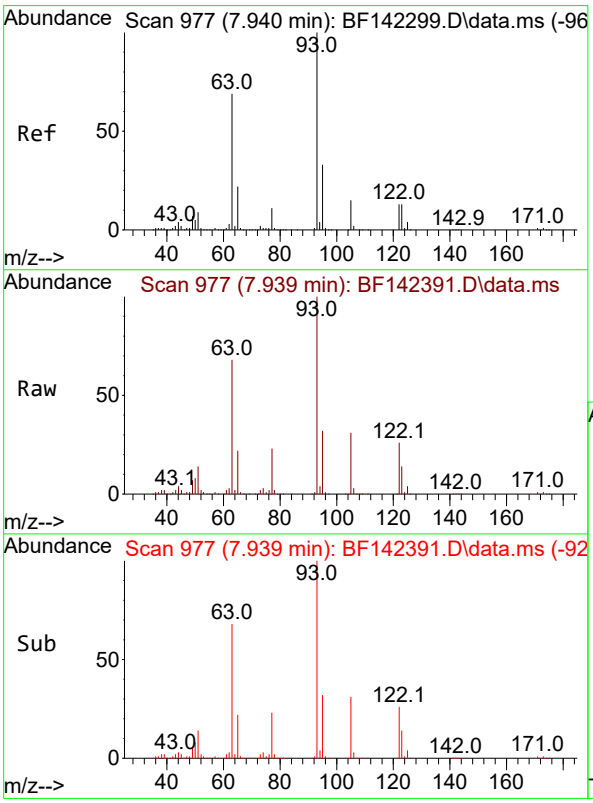
#31
Naphthalene
Concen: 39.552 ng
RT: 8.210 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:128 Resp: 1203630

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.1	13.7
127	13.3	10.5	15.7

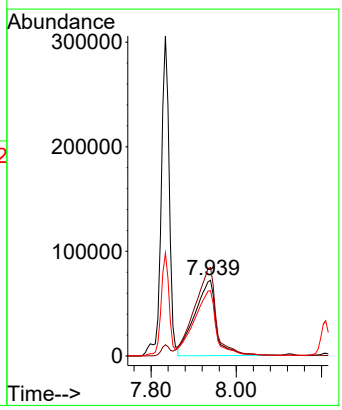


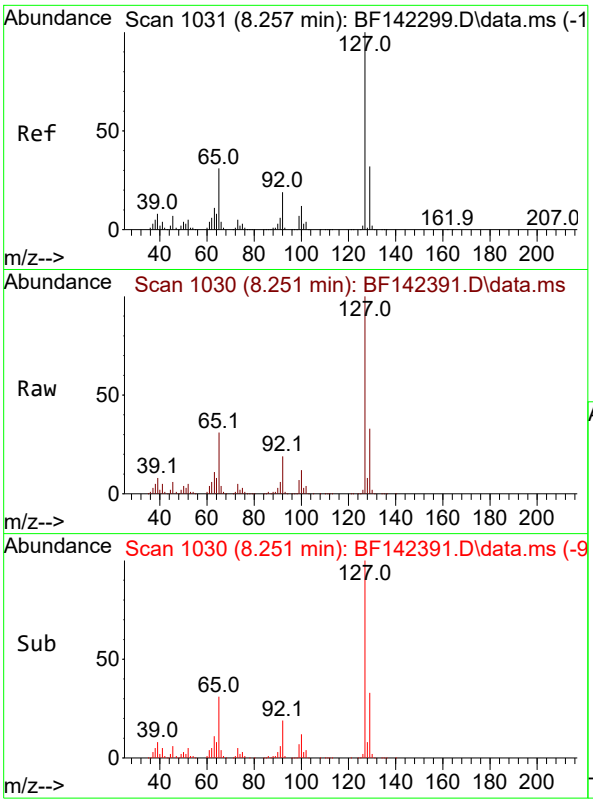


#32
Benzoic acid
Concen: 48.196 ng
RT: 7.939 min Scan# 977
Delta R.T. -0.001 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Tgt Ion:122 Resp: 253688

Ion	Ratio	Lower	Upper
122	100		
105	117.1	97.9	137.9
77	86.5	67.7	107.7



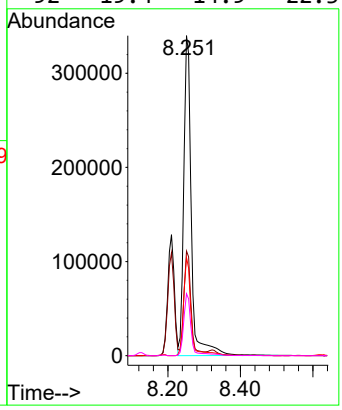


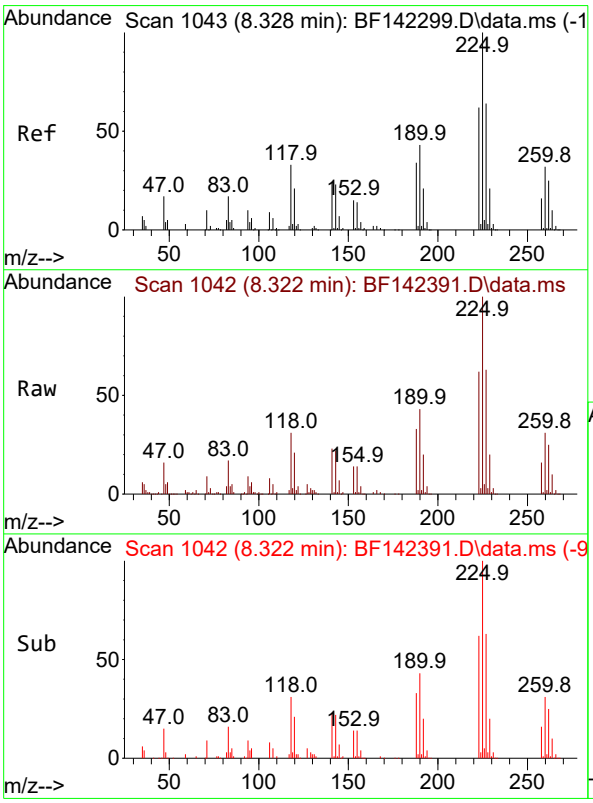
#33
4-Chloroaniline
Concen: 39.814 ng
RT: 8.251 min Scan# 1
Delta R.T. -0.016 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:127 Resp: 494386

Ion	Ratio	Lower	Upper
127	100		
129	32.7	25.7	38.5
65	30.6	24.9	37.3
92	19.4	14.9	22.3

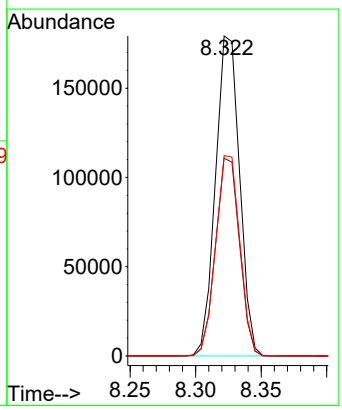


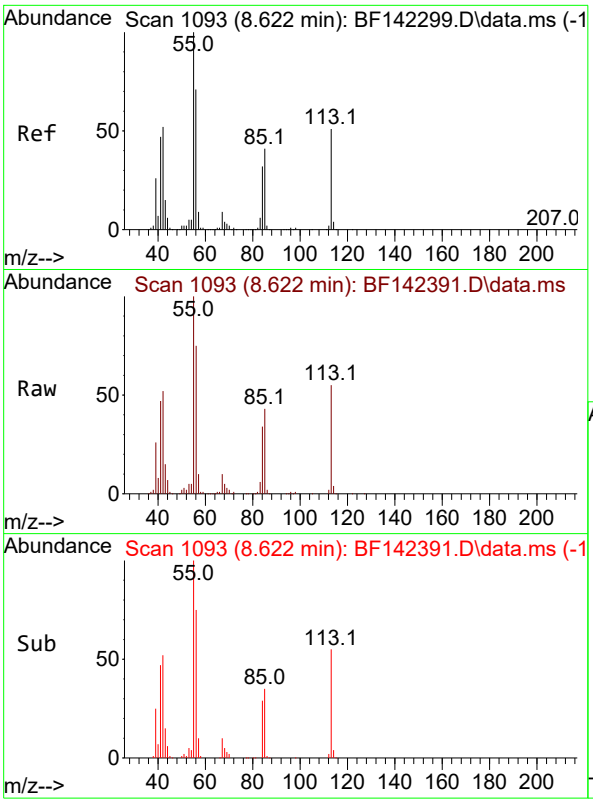


#34
Hexachlorobutadiene
Concen: 41.218 ng
RT: 8.322 min Scan# 1042
Delta R.T. -0.006 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Tgt Ion:225 Resp: 228906

Ion	Ratio	Lower	Upper
225	100		
223	61.8	49.8	74.6
227	62.6	50.9	76.3



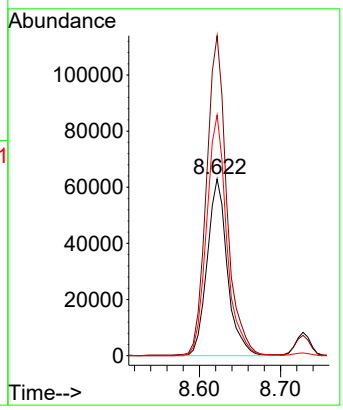


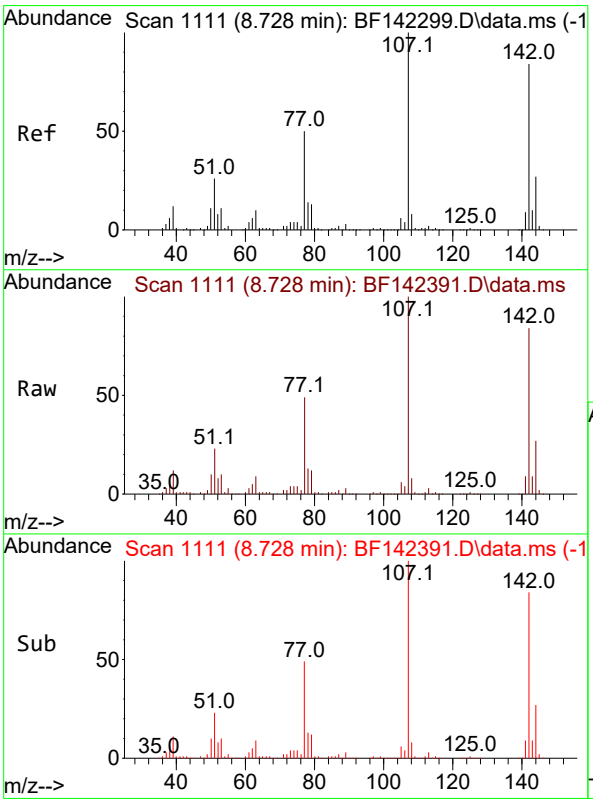
#35
Caprolactam
Concen: 44.599 ng
RT: 8.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:113 Resp: 108318

Ion	Ratio	Lower	Upper
113	100		
55	180.9	176.4	216.4
56	136.1	120.3	160.3

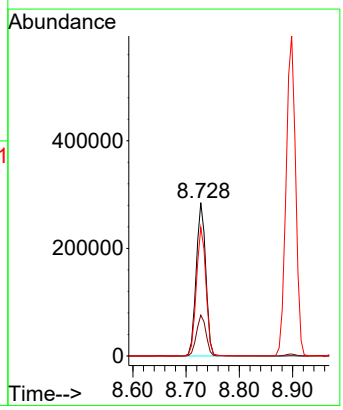


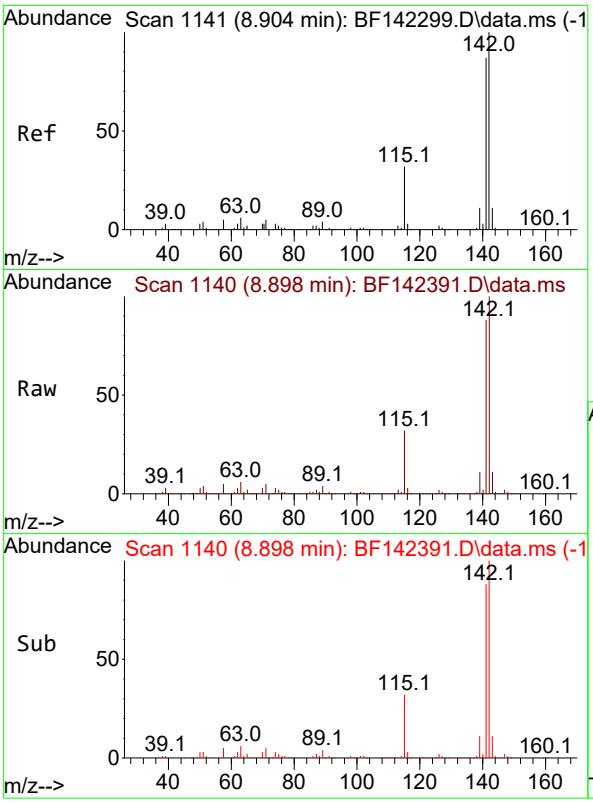


#36
4-Chloro-3-methylphenol
Concen: 40.957 ng
RT: 8.728 min Scan# 1111
Delta R.T. -0.000 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Tgt Ion:107 Resp: 354797

Ion	Ratio	Lower	Upper
107	100		
144	26.6	21.3	31.9
142	83.9	66.9	100.3



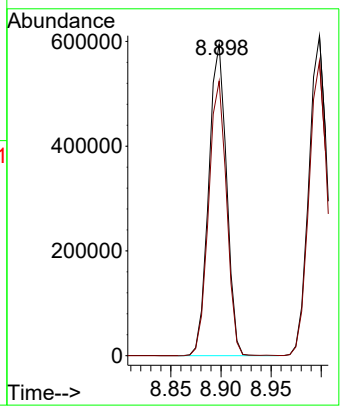


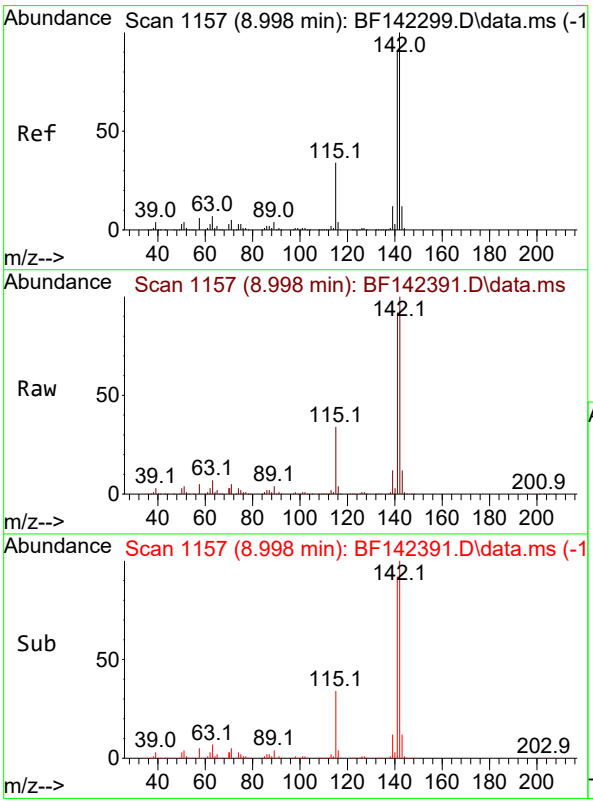
#37
2-Methylnaphthalene
Concen: 39.084 ng
RT: 8.898 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:142 Resp: 739060

Ion	Ratio	Lower	Upper
142	100		
141	88.2	69.4	104.2

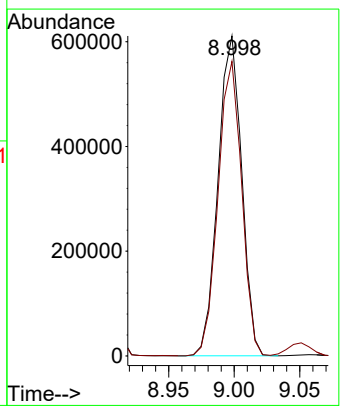


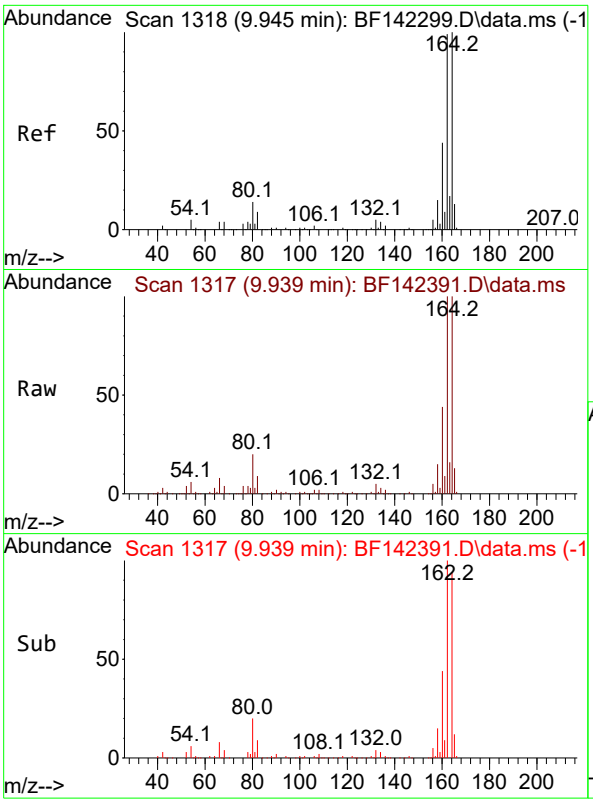


#38
1-Methylnaphthalene
Concen: 38.852 ng
RT: 8.998 min Scan# 1157
Delta R.T. -0.000 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Tgt Ion:142 Resp: 765722

Ion	Ratio	Lower	Upper
142	100		
141	92.0	72.5	108.7



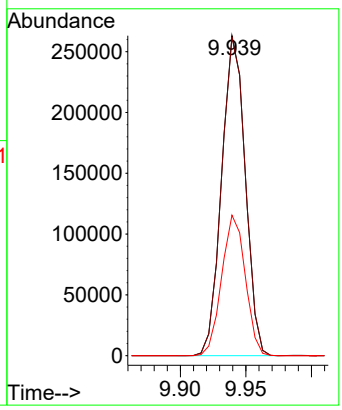


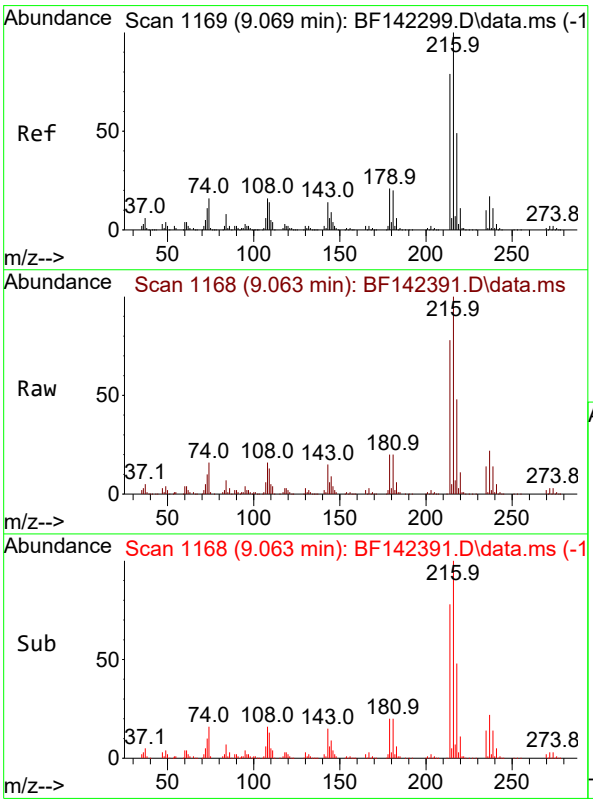
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:164 Resp: 329169

Ion	Ratio	Lower	Upper
164	100		
162	99.6	79.2	118.8
160	43.9	35.3	52.9

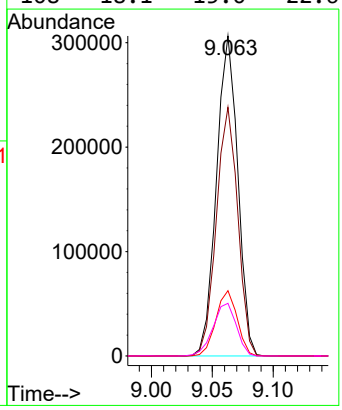


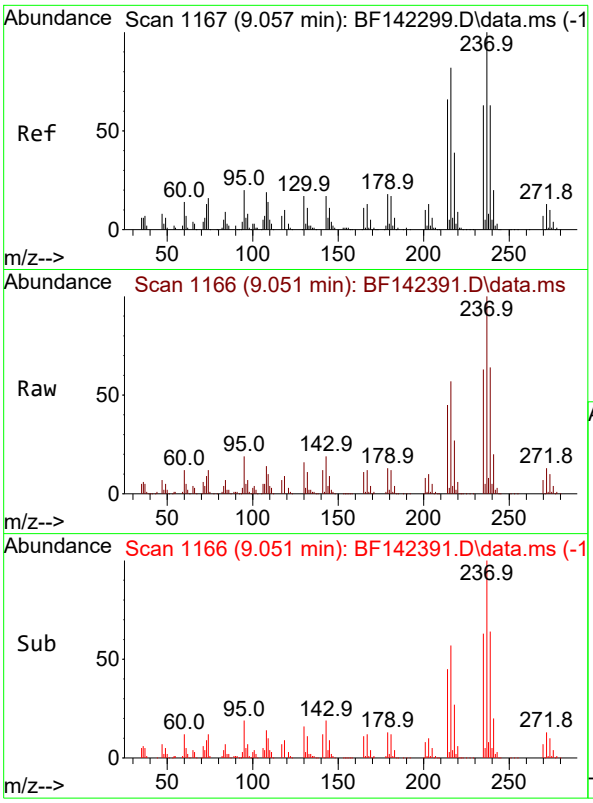


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.687 ng
RT: 9.063 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Tgt Ion:216 Resp: 374052

Ion	Ratio	Lower	Upper
216	100		
214	77.9	63.8	95.6
179	20.4	17.0	25.6
108	18.1	15.0	22.6



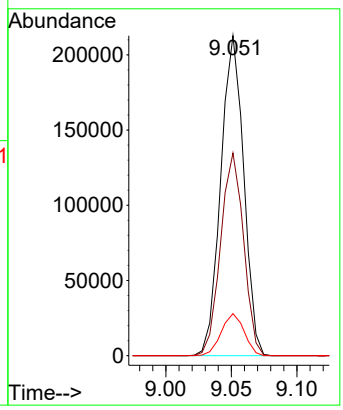


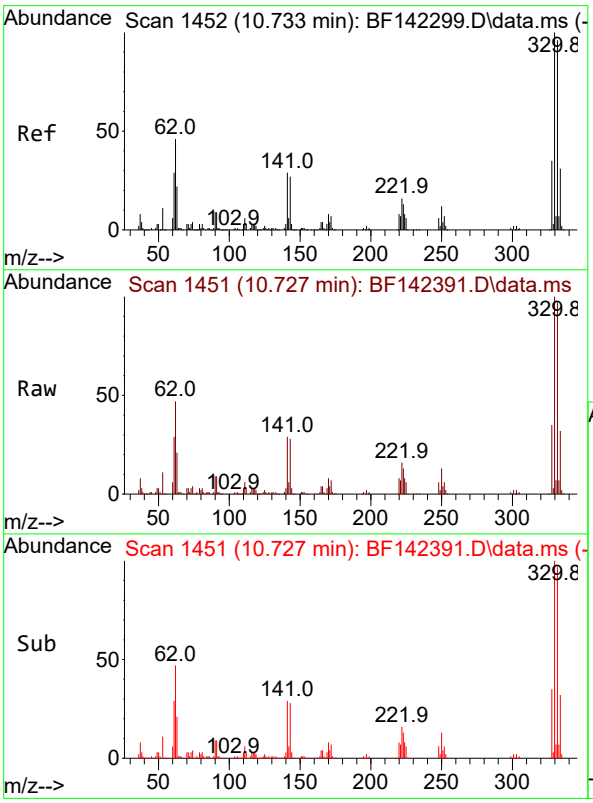
#41
Hexachlorocyclopentadiene
Concen: 45.422 ng
RT: 9.051 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:237 Resp: 258074

Ion	Ratio	Lower	Upper
237	100		
235	63.4	42.8	82.8
272	13.2	0.0	33.0

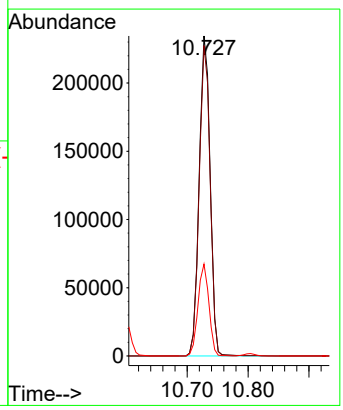


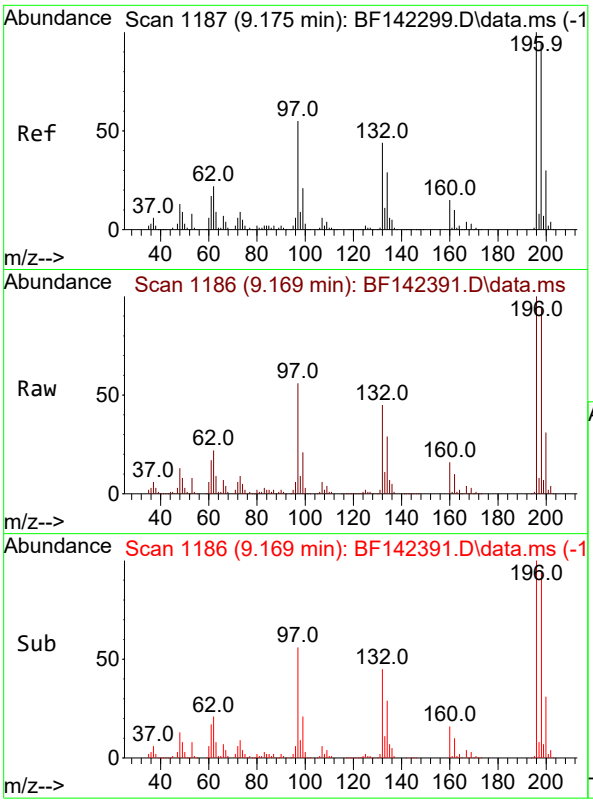


#42
2,4,6-Tribromophenol
Concen: 92.085 ng
RT: 10.727 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Tgt Ion:330 Resp: 292651

Ion	Ratio	Lower	Upper
330	100		
332	96.9	76.8	115.2
141	28.5	24.9	37.3



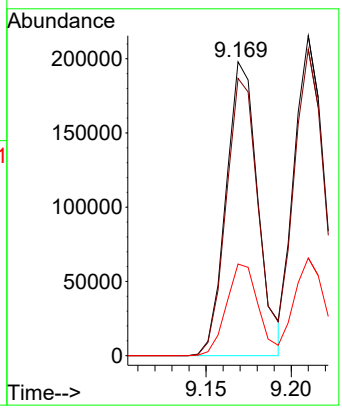


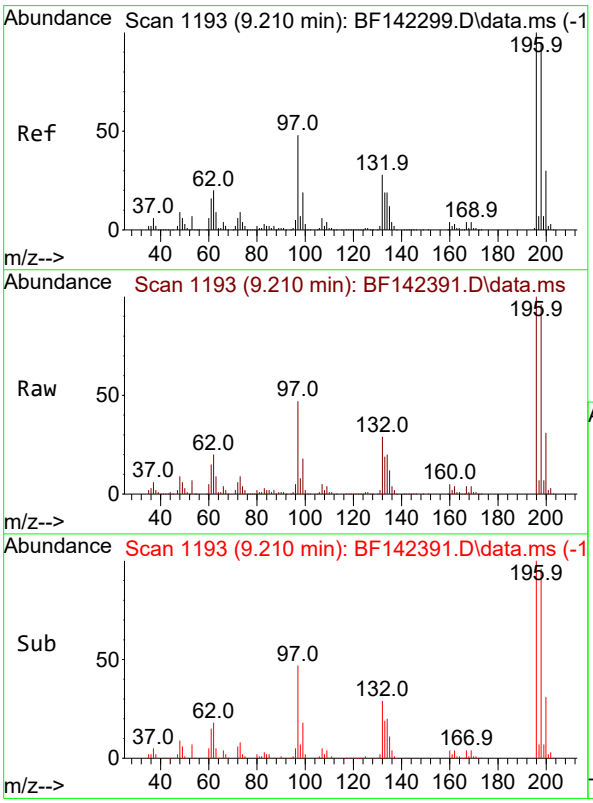
#43
2,4,6-Trichlorophenol
Concen: 44.357 ng
RT: 9.169 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:196 Resp: 257221

Ion	Ratio	Lower	Upper
196	100		
198	94.3	75.4	113.0
200	31.2	24.3	36.5

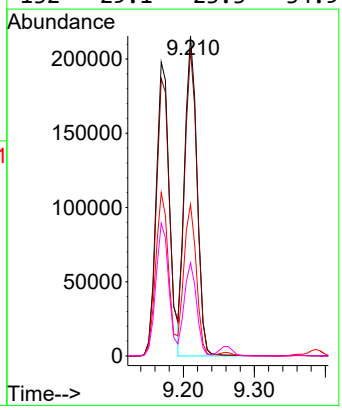


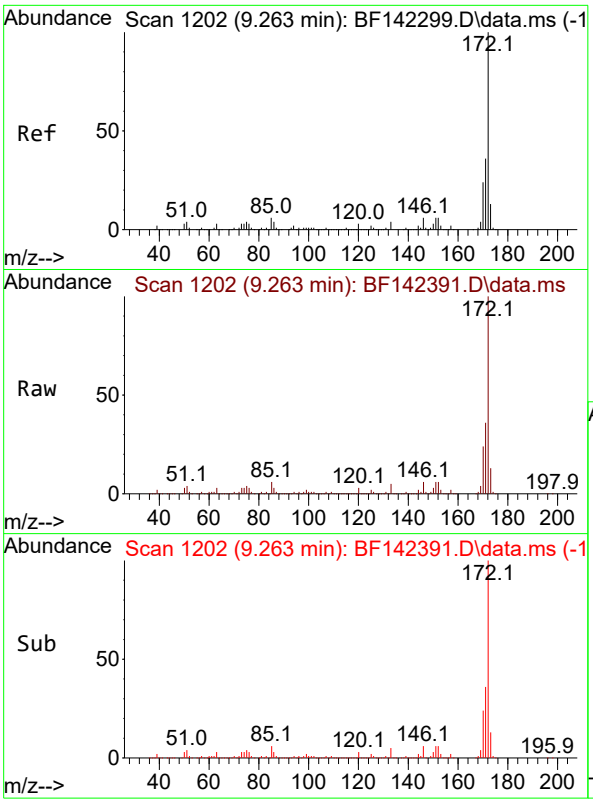


#44
2,4,5-Trichlorophenol
Concen: 42.655 ng
RT: 9.210 min Scan# 1193
Delta R.T. -0.000 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Tgt Ion:196 Resp: 263184

Ion	Ratio	Lower	Upper
196	100		
198	95.8	76.1	114.1
97	47.3	39.0	58.4
132	29.1	23.3	34.9



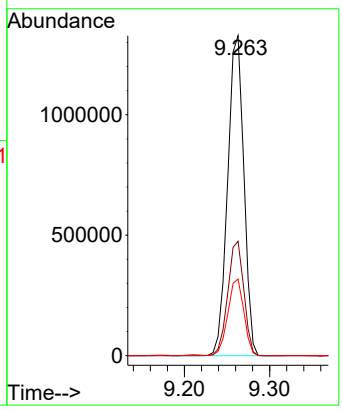


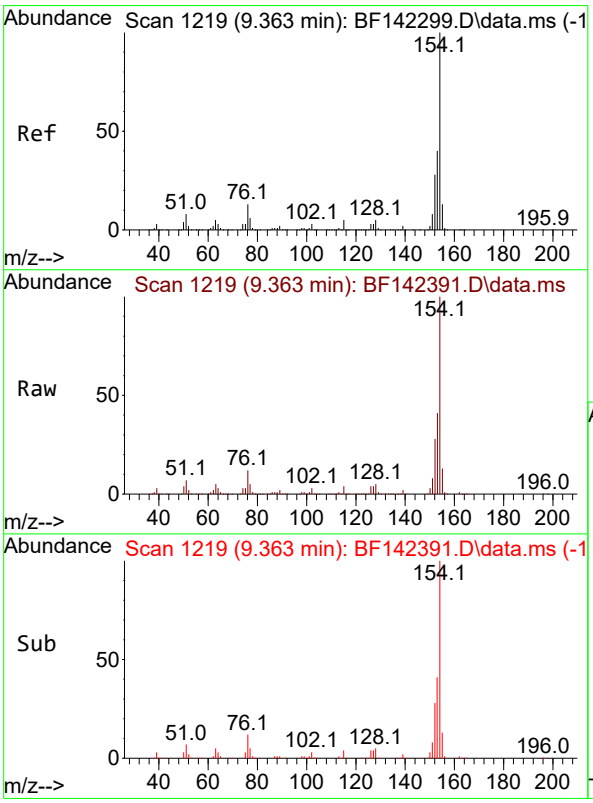
#45
2-Fluorobiphenyl
Concen: 76.224 ng
RT: 9.263 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:172 Resp: 1759664

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	42.8
170	23.9	19.0	28.4

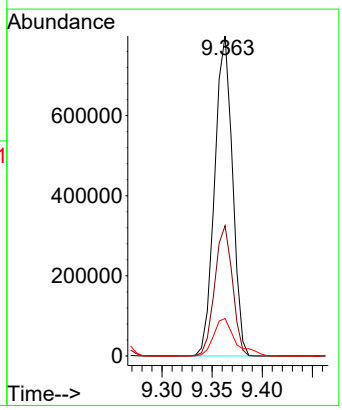


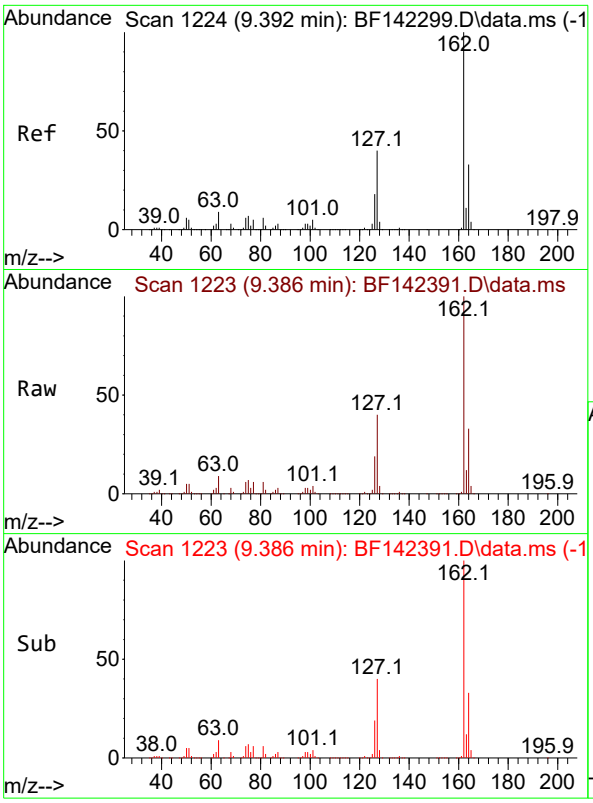


#46
1,1'-Biphenyl
Concen: 38.942 ng
RT: 9.363 min Scan# 1219
Delta R.T. -0.000 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Tgt Ion:154 Resp: 982857

Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.5	60.5
76	11.7	0.0	32.8



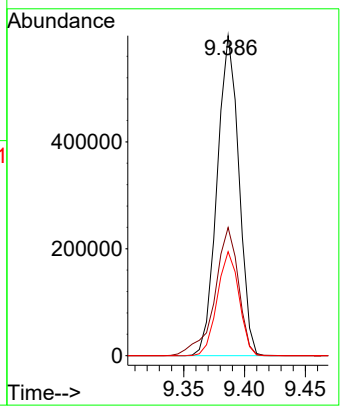


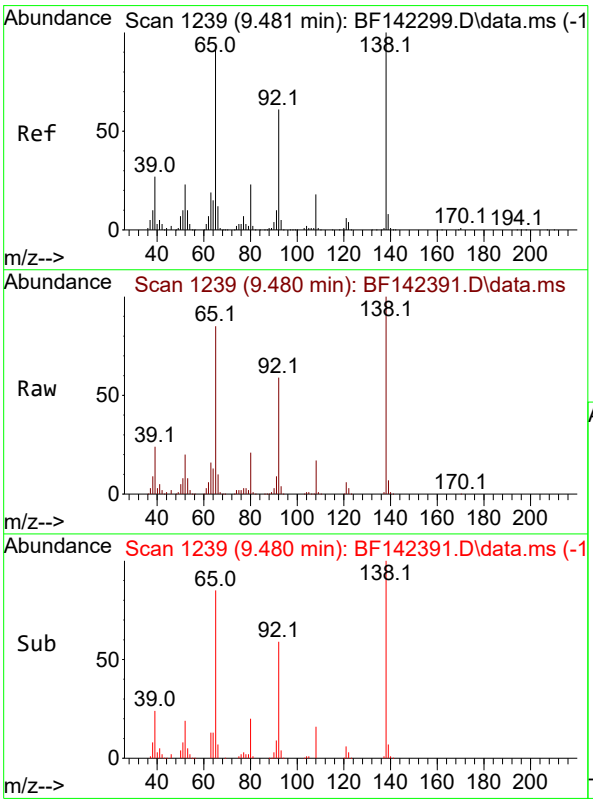
#47
2-Chloronaphthalene
Concen: 39.628 ng
RT: 9.386 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:162 Resp: 743800

Ion	Ratio	Lower	Upper
162	100		
127	40.0	32.3	48.5
164	32.5	26.6	40.0

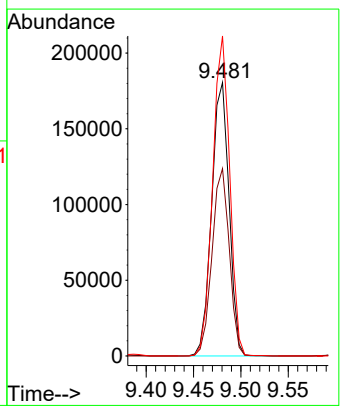


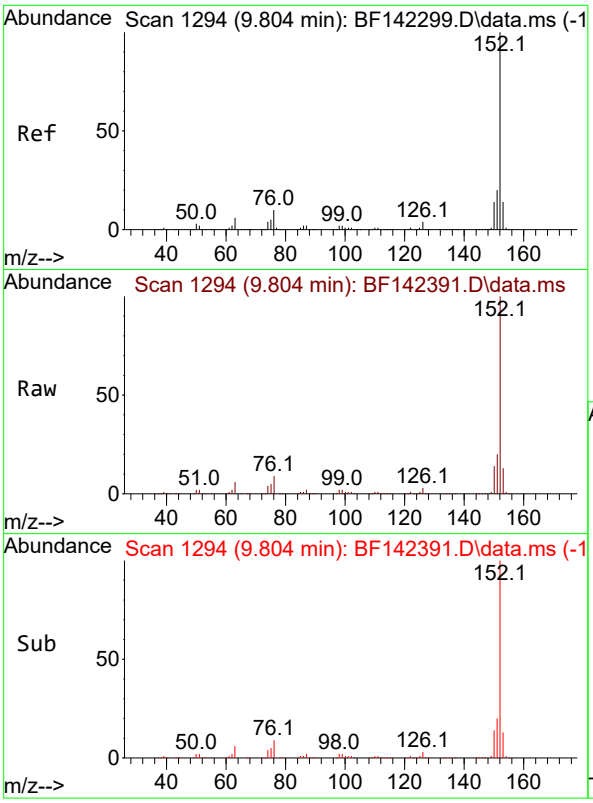


#48
2-Nitroaniline
Concen: 48.112 ng
RT: 9.480 min Scan# 1239
Delta R.T. -0.000 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Tgt Ion: 65 Resp: 231469

Ion	Ratio	Lower	Upper
65	100		
92	68.5	52.3	78.5
138	117.0	85.6	128.4



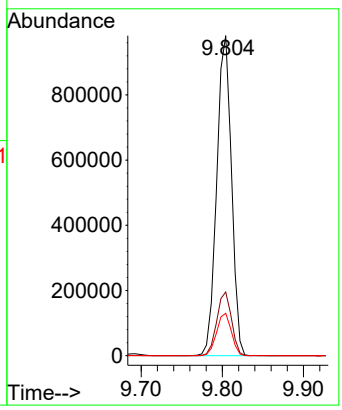


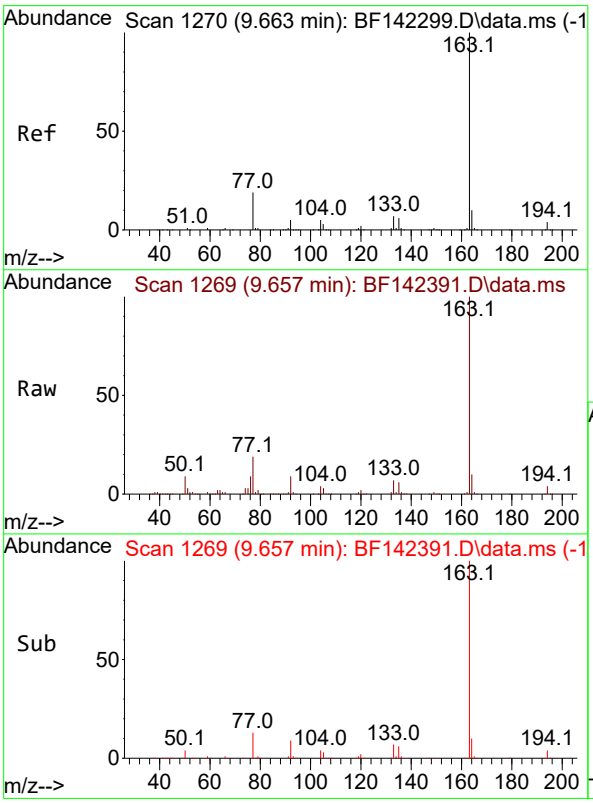
#49
Acenaphthylene
Concen: 39.520 ng
RT: 9.804 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:152 Resp: 1240865

Ion	Ratio	Lower	Upper
152	100		
151	19.9	16.0	24.0
153	13.3	10.8	16.2

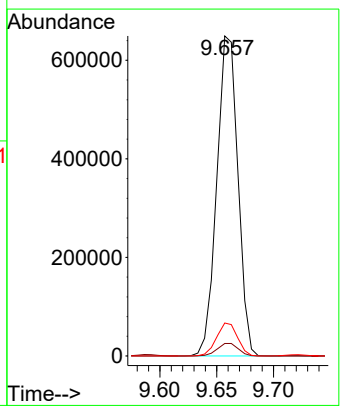


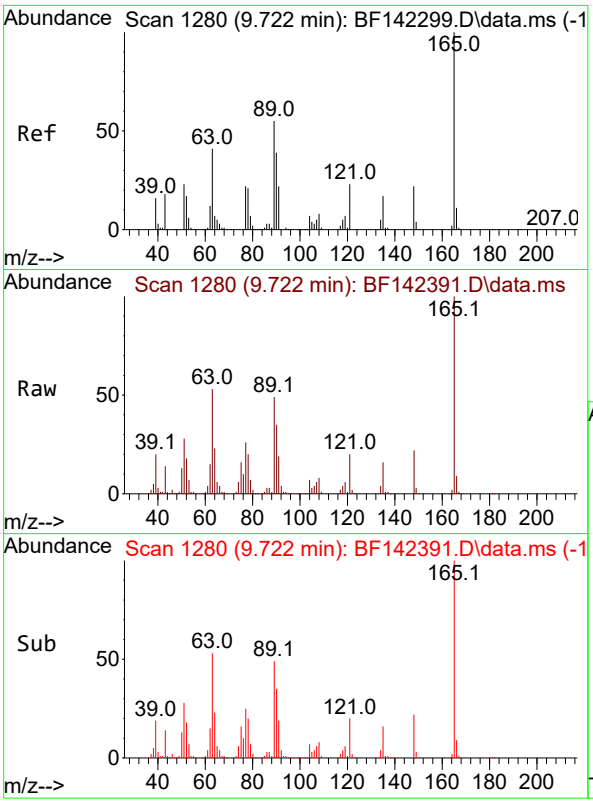


#50
Dimethylphthalate
Concen: 39.778 ng
RT: 9.657 min Scan# 1269
Delta R.T. -0.006 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Tgt Ion:163 Resp: 840785

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.2	4.8
164	10.3	8.3	12.5



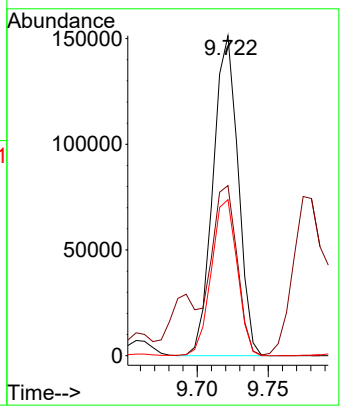


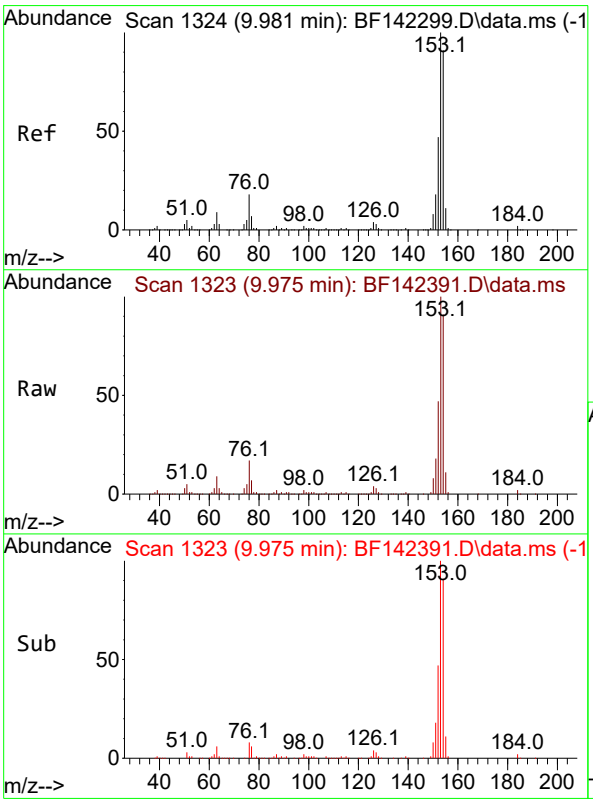
#51
2,6-Dinitrotoluene
Concen: 47.019 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:165 Resp: 186028

Ion	Ratio	Lower	Upper
165	100		
63	53.1	49.5	74.3
89	48.8	44.6	66.8

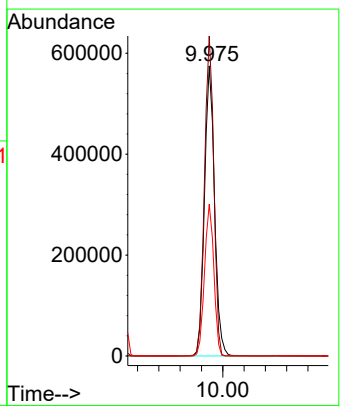


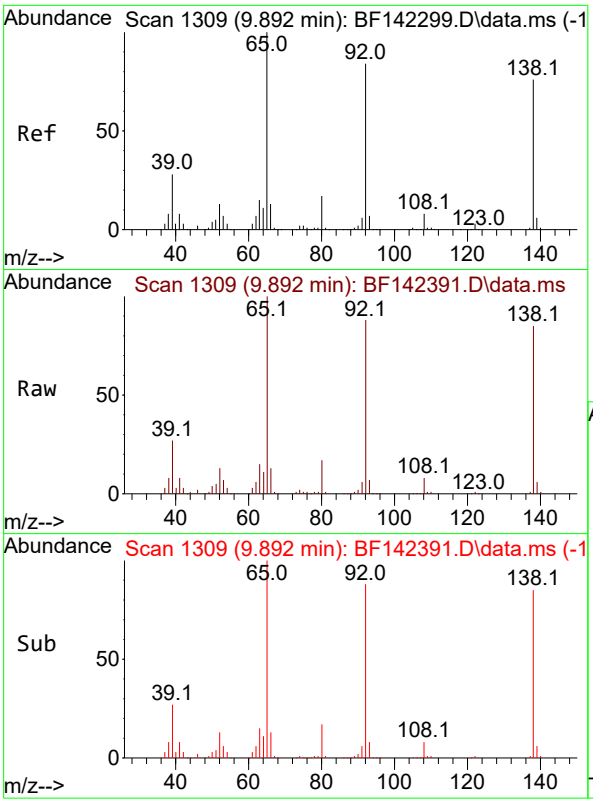


#52
Acenaphthene
Concen: 40.019 ng
RT: 9.975 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Tgt Ion:154 Resp: 755546

Ion	Ratio	Lower	Upper
154	100		
153	110.3	88.0	132.0
152	52.3	41.6	62.4



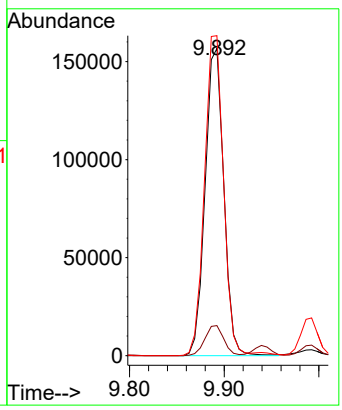


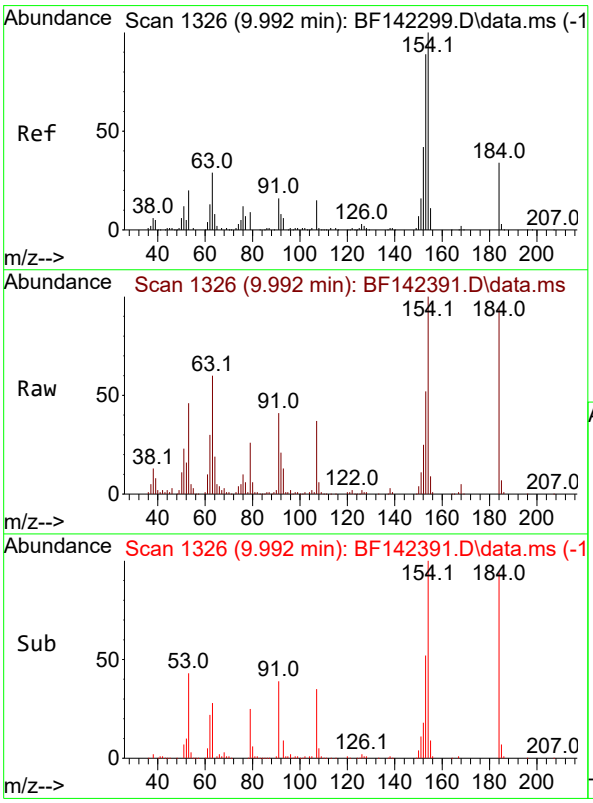
#53
3-Nitroaniline
Concen: 46.193 ng
RT: 9.892 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:138 Resp: 214345

Ion	Ratio	Lower	Upper
138	100		
108	9.8	8.7	13.1
92	104.2	89.5	134.3

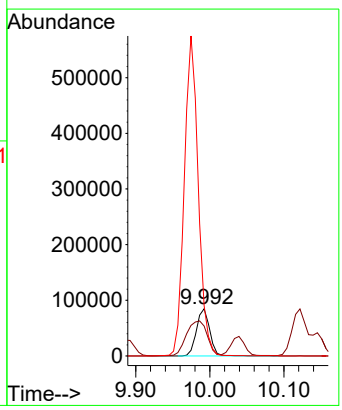


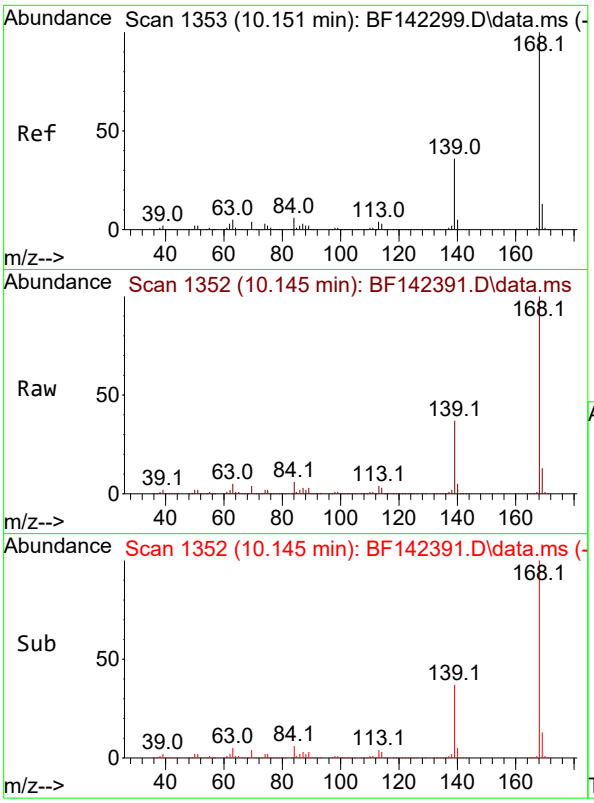


#54
2,4-Dinitrophenol
Concen: 53.459 ng
RT: 9.992 min Scan# 1326
Delta R.T. 0.000 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Tgt Ion:184 Resp: 104835

Ion	Ratio	Lower	Upper
184	100		
63	63.6	70.6	105.8#
154	106.5	257.2	385.8#



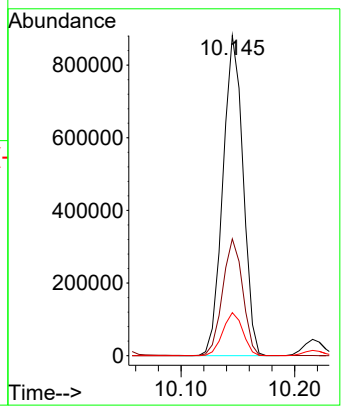


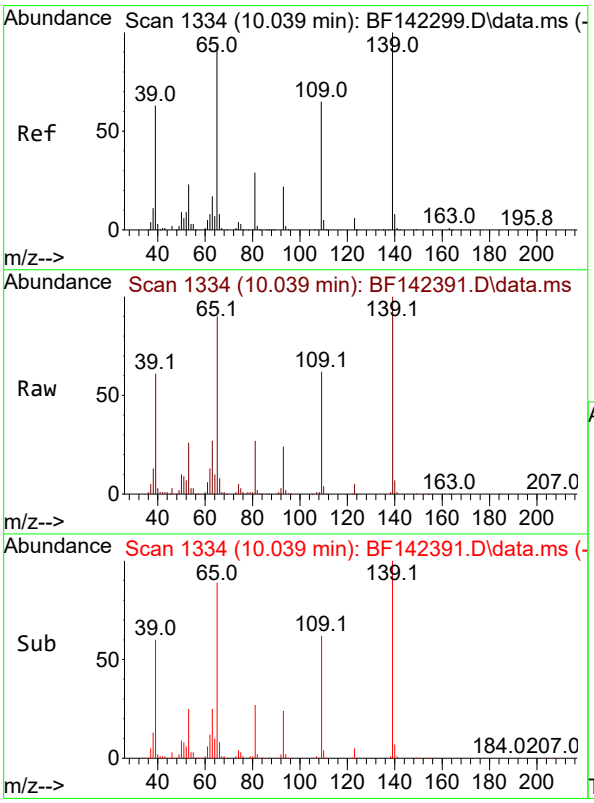
#55
Dibenzofuran
Concen: 39.044 ng
RT: 10.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:168 Resp: 1087881

Ion	Ratio	Lower	Upper
168	100		
139	36.5	29.0	43.4
169	13.4	10.7	16.1

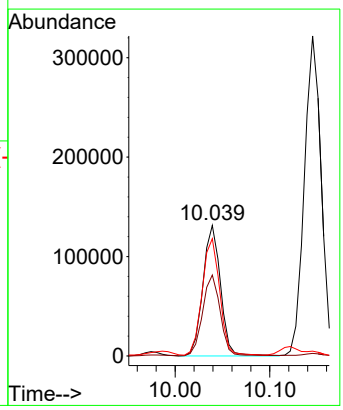


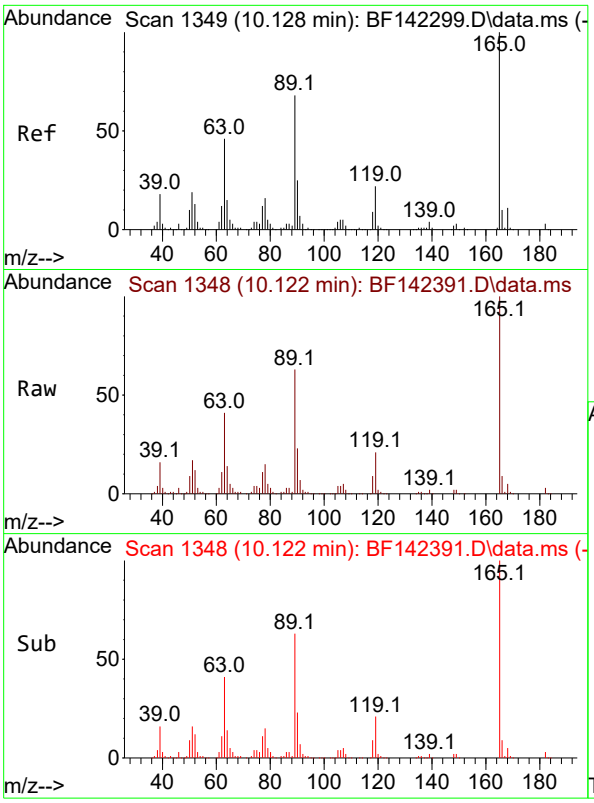


#56
4-Nitrophenol
Concen: 48.767 ng
RT: 10.039 min Scan# 1334
Delta R.T. -0.000 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Tgt Ion:139 Resp: 170308

Ion	Ratio	Lower	Upper
139	100		
109	62.0	45.3	85.3
65	89.7	73.9	113.9



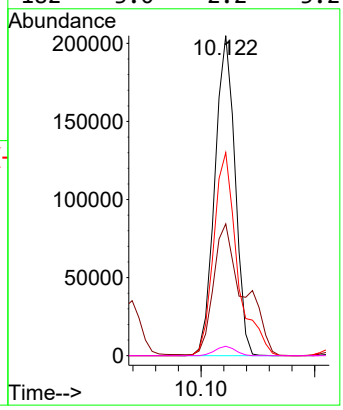


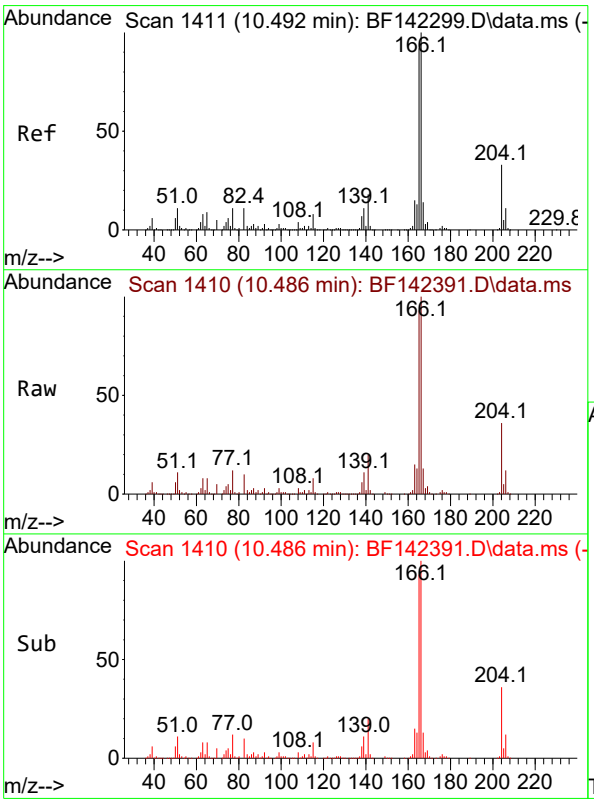
#57
2,4-Dinitrotoluene
Concen: 49.962 ng
RT: 10.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:165 Resp: 253558

Ion	Ratio	Lower	Upper
165	100		
63	41.2	37.1	55.7
89	63.5	54.4	81.6
182	3.0	2.2	3.2

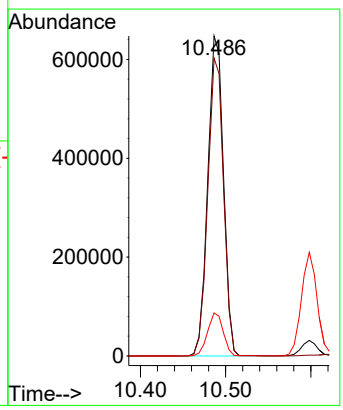


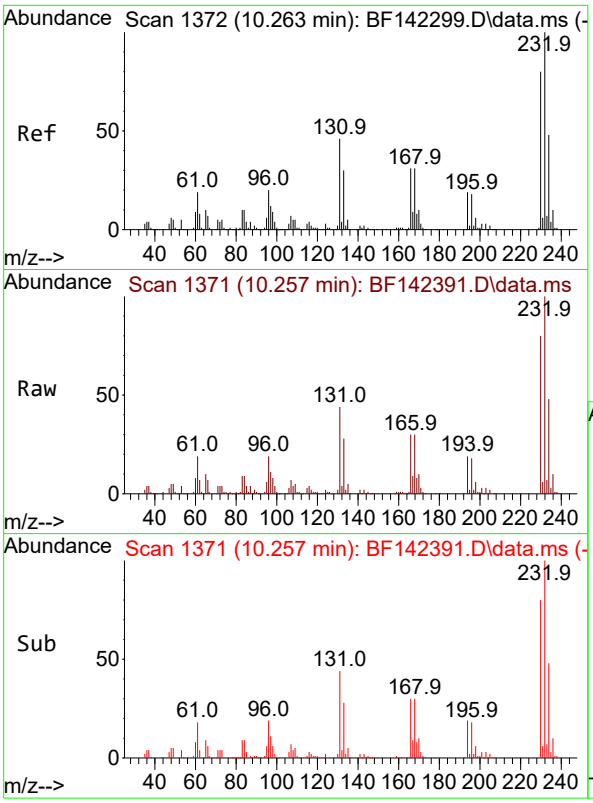


#58
Fluorene
Concen: 38.906 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Tgt Ion:166 Resp: 827290

Ion	Ratio	Lower	Upper
166	100		
165	93.1	74.0	111.0
167	13.5	10.9	16.3



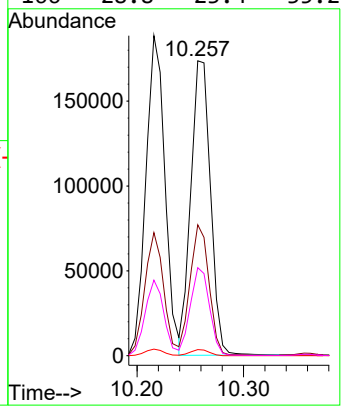


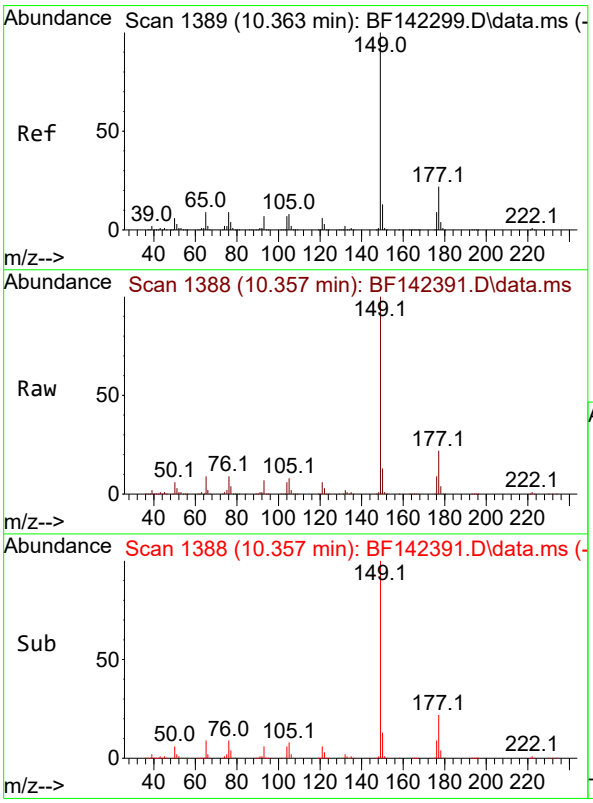
#59
2,3,4,6-Tetrachlorophenol
Concen: 43.865 ng
RT: 10.257 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:232 Resp: 223425

Ion	Ratio	Lower	Upper
232	100		
131	42.6	36.0	54.0
130	2.0	1.8	2.6
166	28.8	23.4	35.2

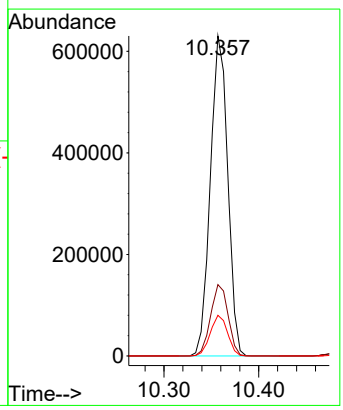


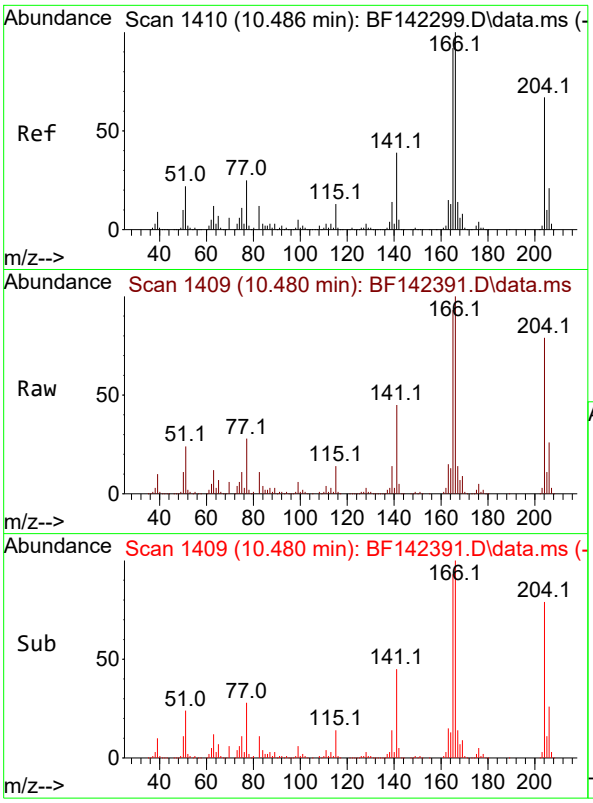


#60
Diethylphthalate
Concen: 37.988 ng
RT: 10.357 min Scan# 1388
Delta R.T. -0.006 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Tgt Ion:149 Resp: 801876

Ion	Ratio	Lower	Upper
149	100		
177	22.3	17.6	26.4
150	12.7	10.1	15.1



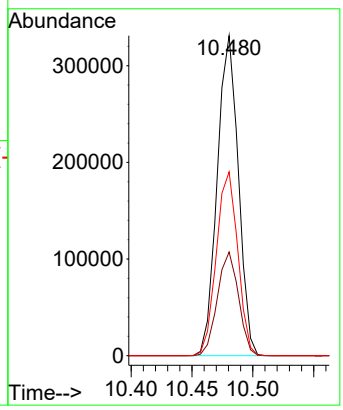


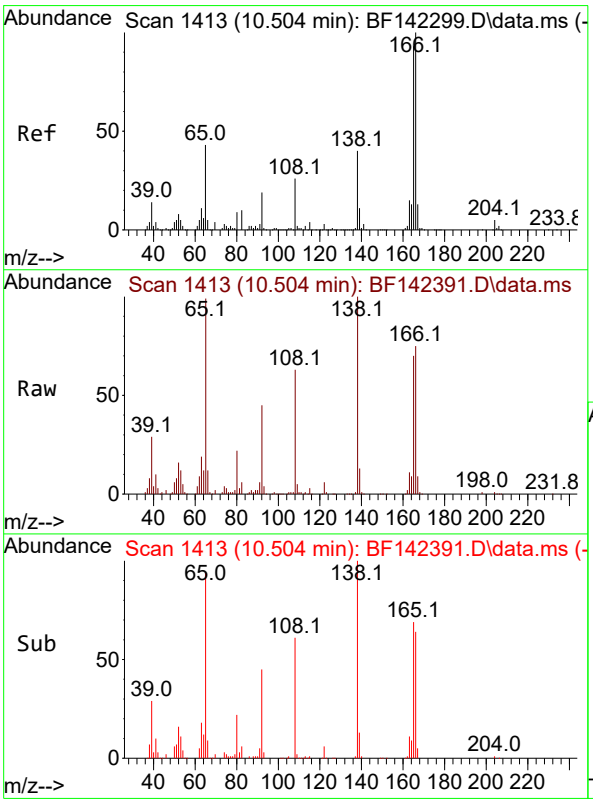
#61
4-Chlorophenyl-phenylether
Concen: 38.998 ng
RT: 10.480 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:204 Resp: 400075

Ion	Ratio	Lower	Upper
204	100		
206	32.4	25.5	38.3
141	57.5	46.4	69.6

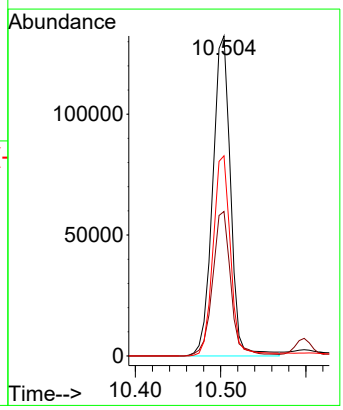


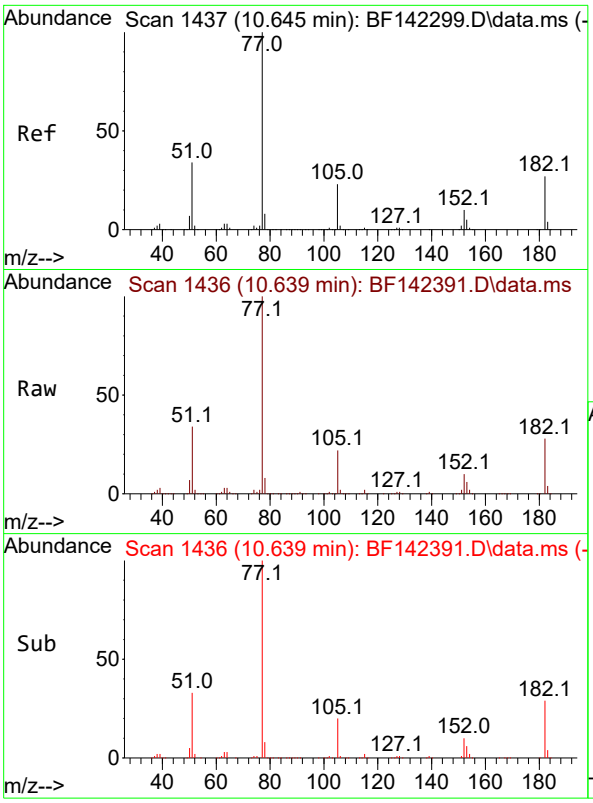


#62
4-Nitroaniline
Concen: 52.481 ng
RT: 10.504 min Scan# 1413
Delta R.T. -0.000 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Tgt Ion:138 Resp: 193006

Ion	Ratio	Lower	Upper
138	100		
92	45.2	27.3	67.3
108	62.6	45.1	85.1



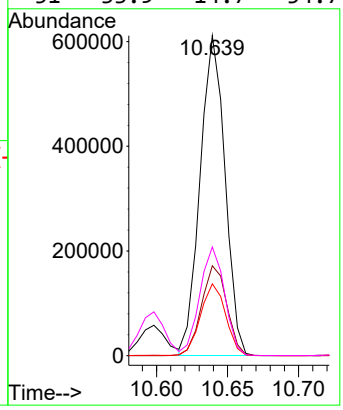


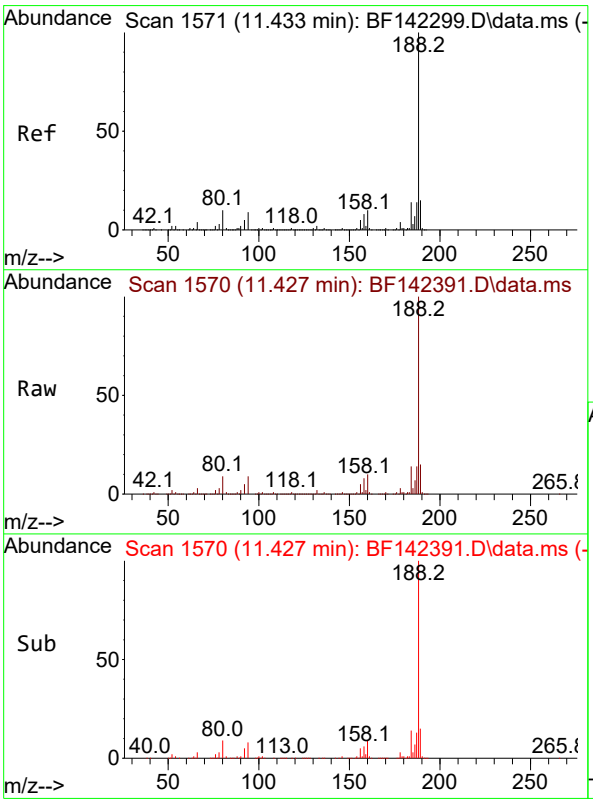
#63
Azobenzene
Concen: 36.980 ng
RT: 10.639 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion: 77 Resp: 745907

Ion	Ratio	Lower	Upper
77	100		
182	28.1	6.9	46.9
105	22.5	2.7	42.7
51	33.9	14.7	54.7

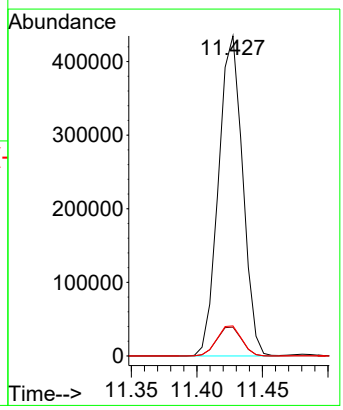


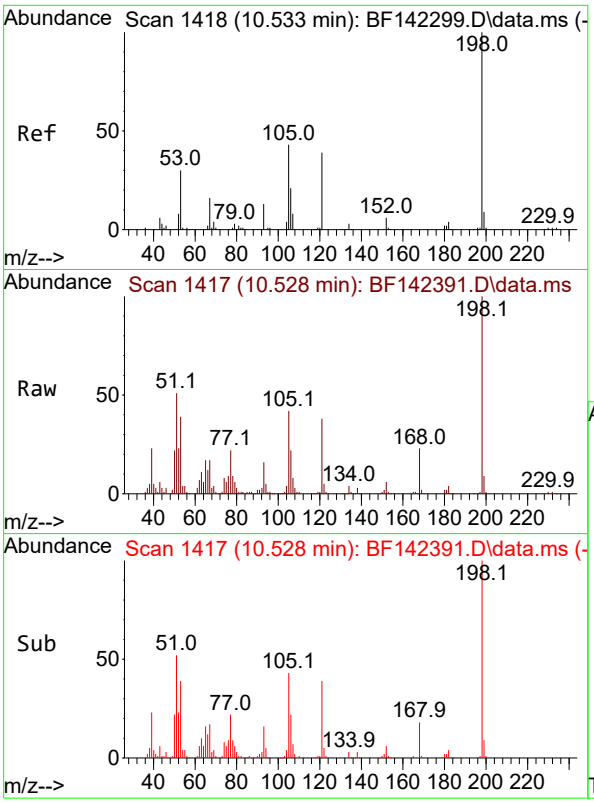


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Tgt Ion:188 Resp: 556891

Ion	Ratio	Lower	Upper
188	100		
94	9.0	7.5	11.3
80	9.4	7.9	11.9



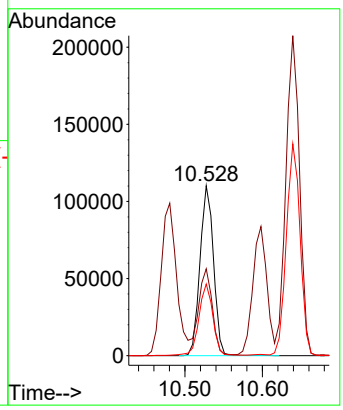


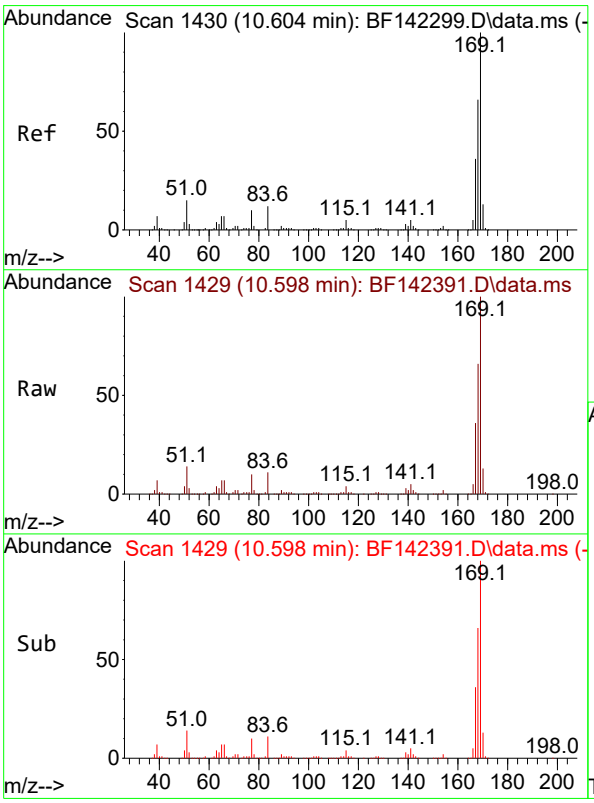
#65
4,6-Dinitro-2-methylphenol
Concen: 50.973 ng
RT: 10.528 min Scan# 14
Delta R.T. -0.005 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:198 Resp: 133682

Ion	Ratio	Lower	Upper
198	100		
51	51.1	32.9	72.9
105	42.2	23.7	63.7

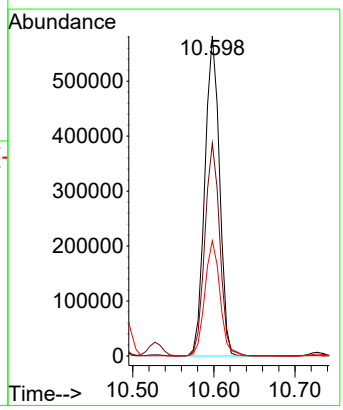


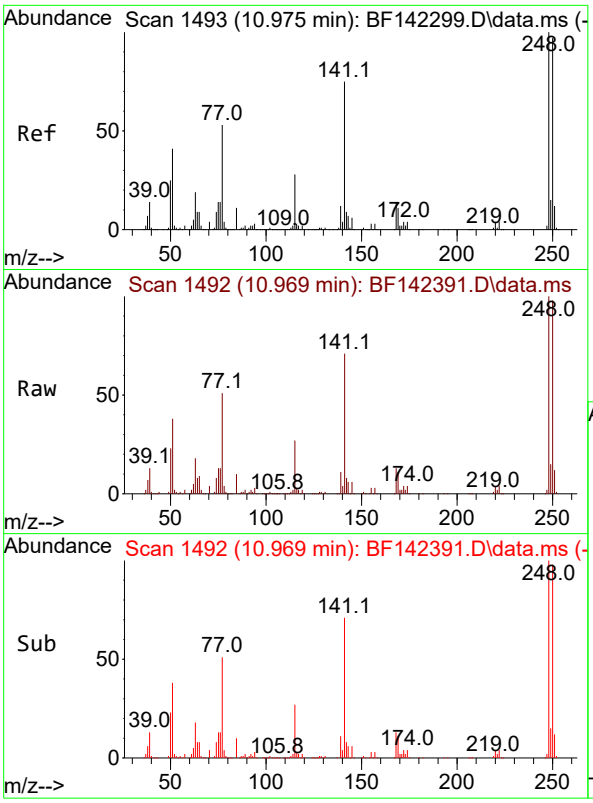


#66
n-Nitrosodiphenylamine
Concen: 39.336 ng
RT: 10.598 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Tgt Ion:169 Resp: 728940

Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.2	79.8
167	36.0	28.9	43.3



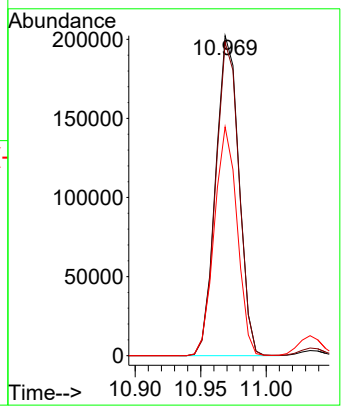


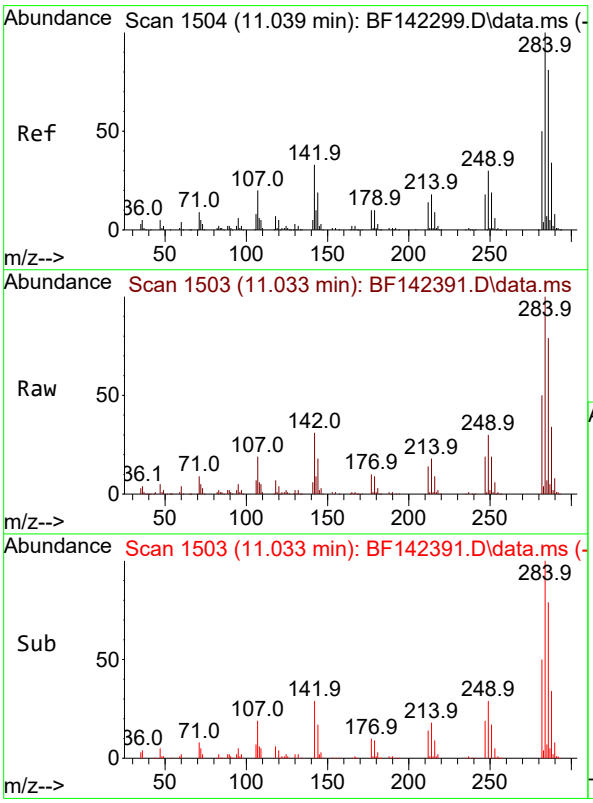
#67
4-Bromophenyl-phenylether
Concen: 39.524 ng
RT: 10.969 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:248 Resp: 249452

Ion	Ratio	Lower	Upper
248	100		
250	97.9	77.9	116.9
141	71.5	59.8	89.8

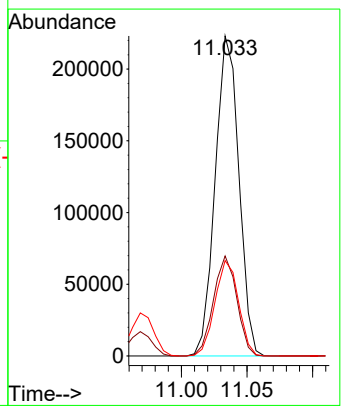


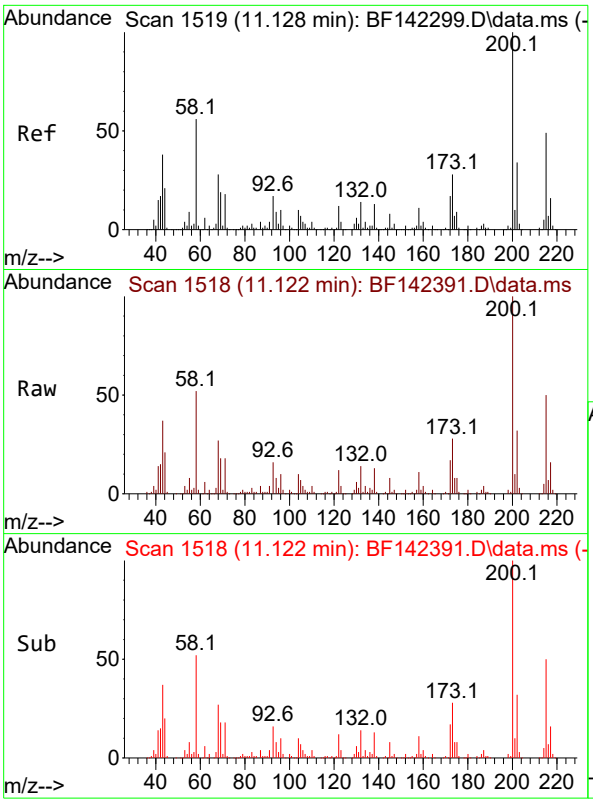


#68
Hexachlorobenzene
Concen: 40.278 ng
RT: 11.033 min Scan# 1503
Delta R.T. -0.006 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Tgt Ion:284 Resp: 279630

Ion	Ratio	Lower	Upper
284	100		
142	31.2	26.6	39.8
249	29.8	24.1	36.1



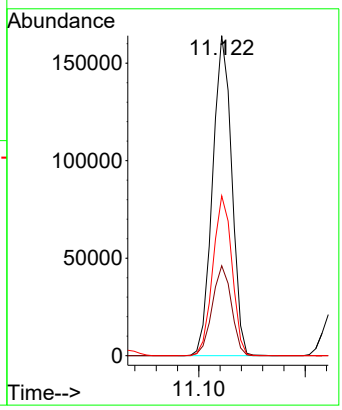


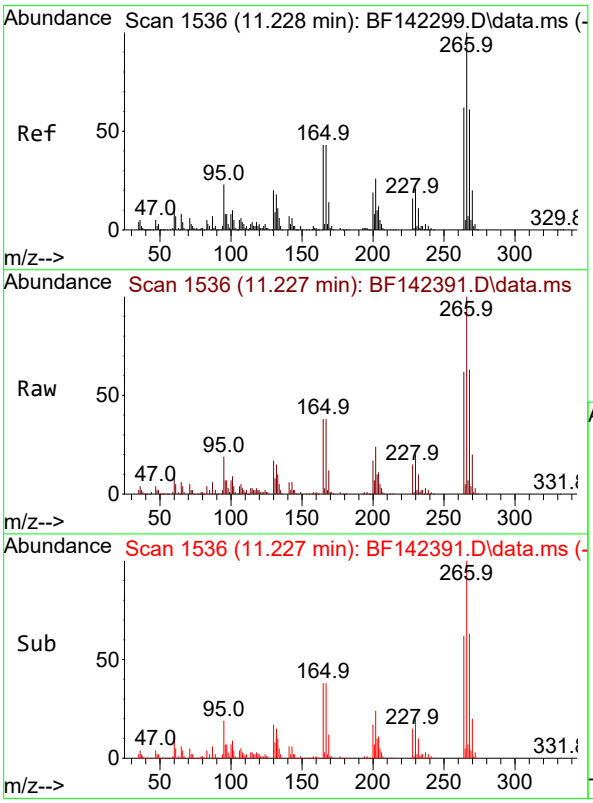
#69
Atrazine
Concen: 41.840 ng
RT: 11.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:200 Resp: 204381

Ion	Ratio	Lower	Upper
200	100		
173	28.1	8.1	48.1
215	49.9	28.8	68.8

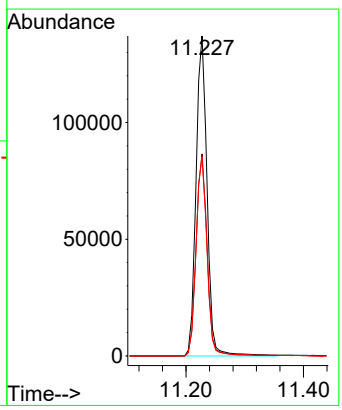


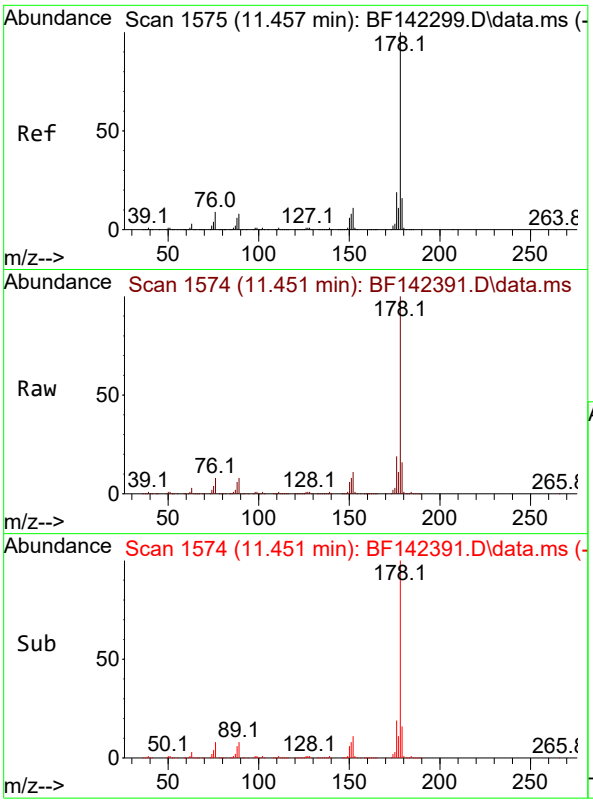


#70
Pentachlorophenol
Concen: 48.843 ng
RT: 11.227 min Scan# 1536
Delta R.T. -0.000 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Tgt Ion:266 Resp: 178385

Ion	Ratio	Lower	Upper
266	100		
268	63.1	48.7	73.1
264	62.3	49.8	74.6



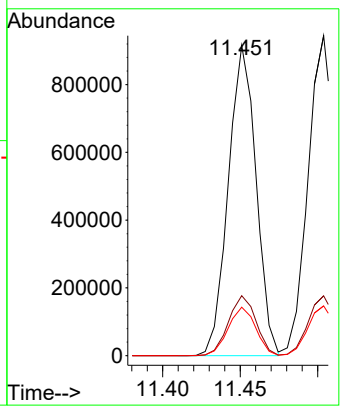


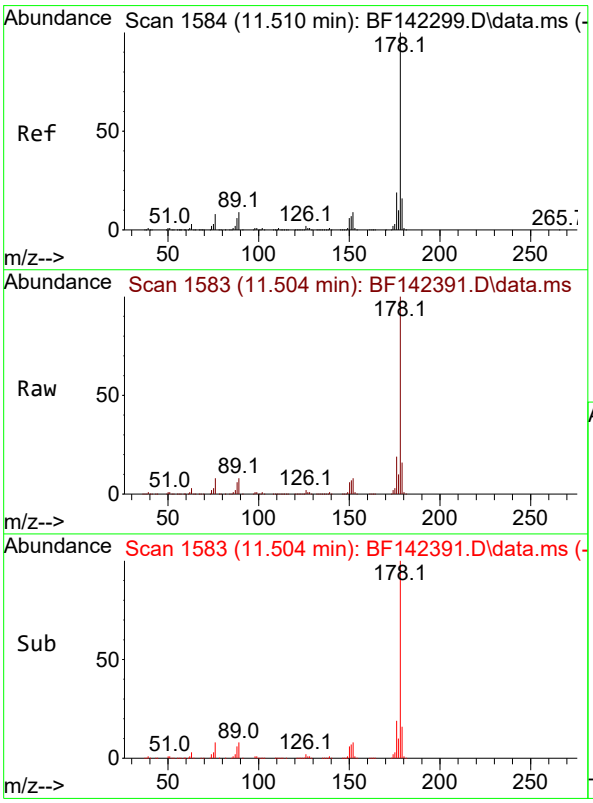
#71
Phenanthrene
Concen: 39.081 ng
RT: 11.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:178 Resp: 1140799

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.5	23.3
179	15.6	12.6	18.8

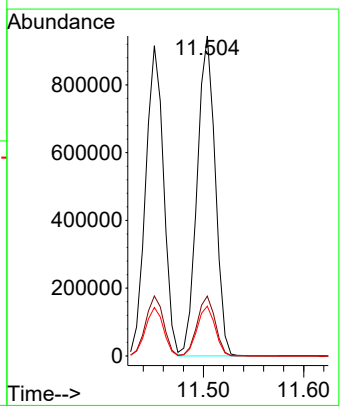


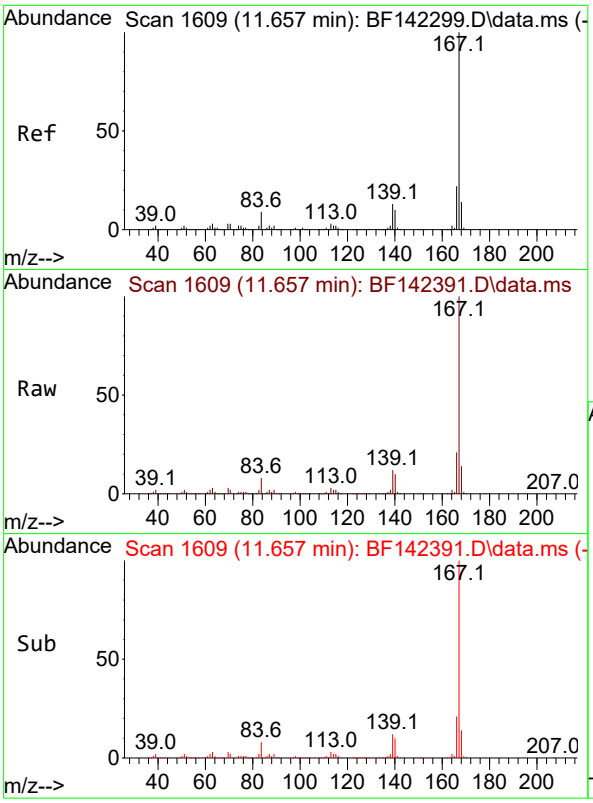


#72
Anthracene
Concen: 39.429 ng
RT: 11.504 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Tgt Ion:178 Resp: 1182631

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.3	22.9
179	15.6	12.6	18.8



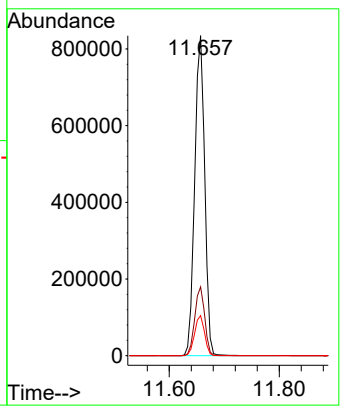


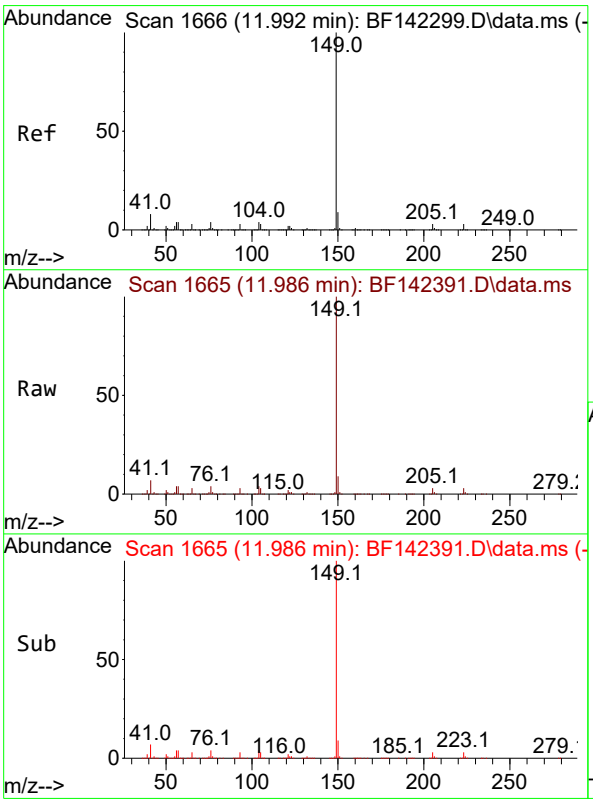
#73
Carbazole
Concen: 39.219 ng
RT: 11.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:167 Resp: 1055338

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.2	25.8
139	12.5	10.3	15.5

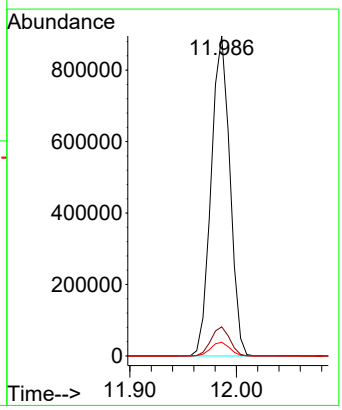


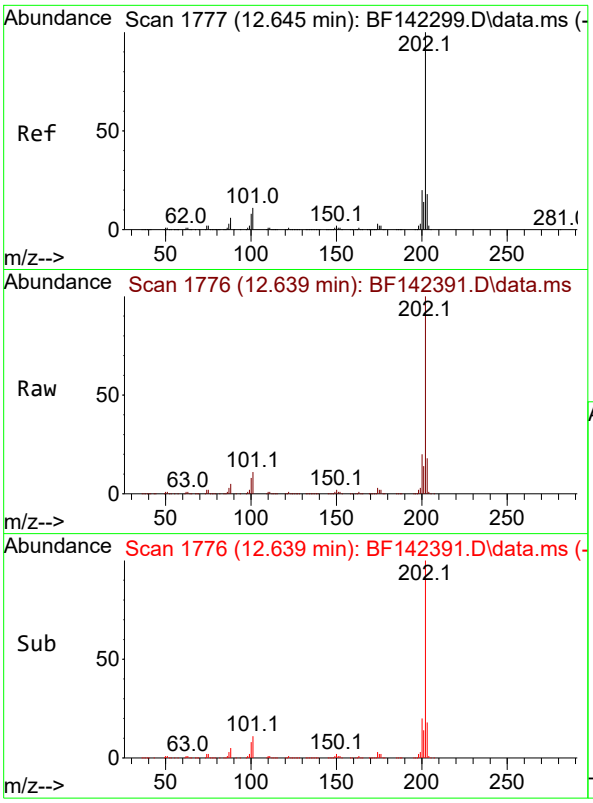


#74
Di-n-butylphthalate
Concen: 38.669 ng
RT: 11.986 min Scan# 1665
Delta R.T. -0.006 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Tgt Ion:149 Resp: 1094163

Ion	Ratio	Lower	Upper
149	100		
150	9.1	7.5	11.3
104	4.3	3.6	5.4



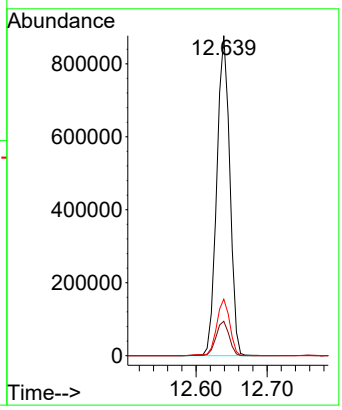


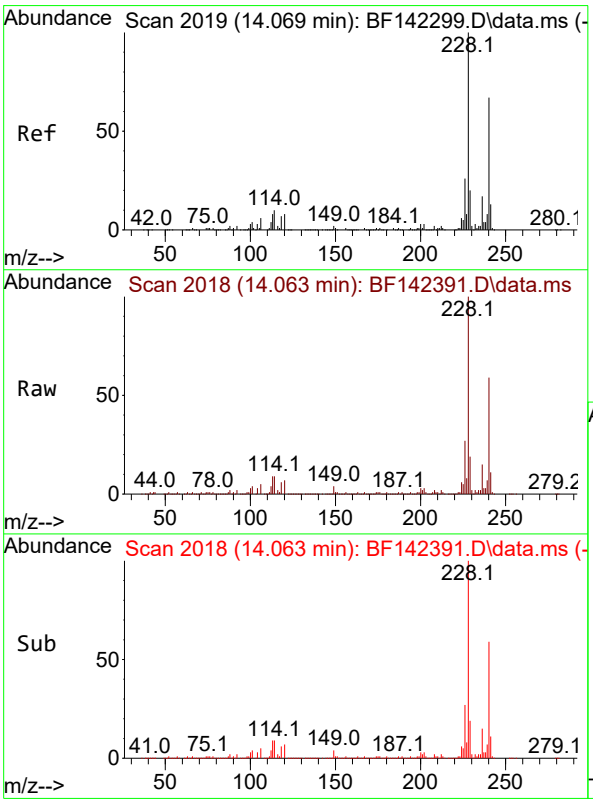
#75
Fluoranthene
Concen: 38.003 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:202 Resp: 1108935

Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	31.4
203	17.7	0.0	37.9

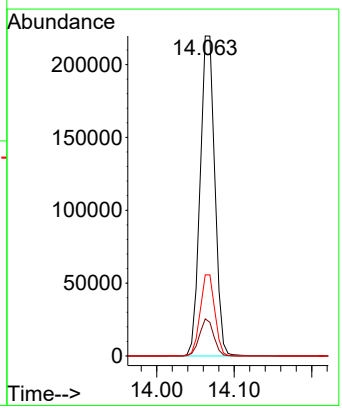


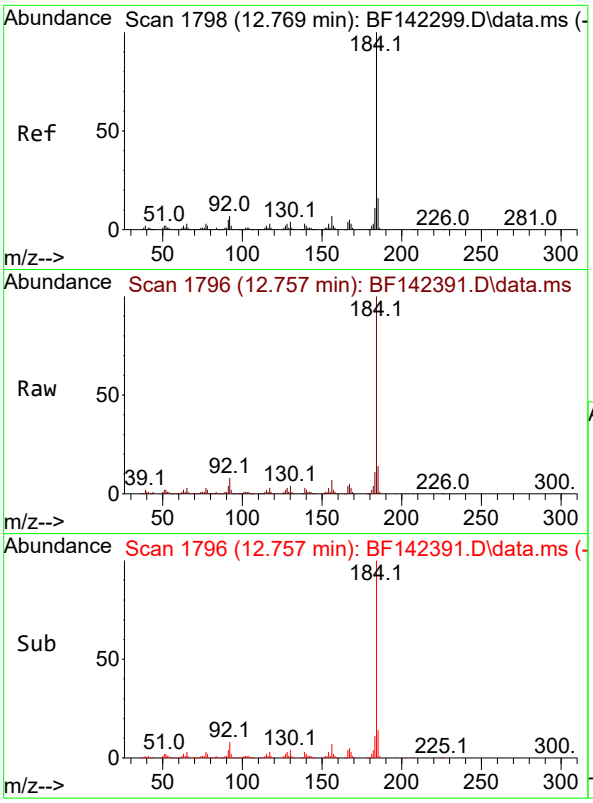


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Tgt Ion:240 Resp: 288492

Ion	Ratio	Lower	Upper
240	100		
120	11.6	9.7	14.5
236	25.4	20.0	30.0



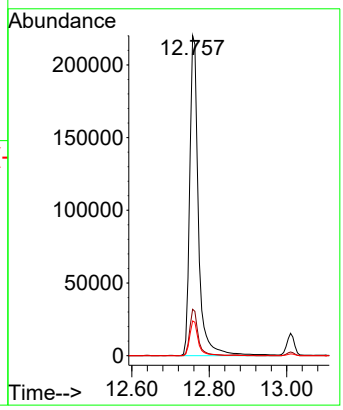


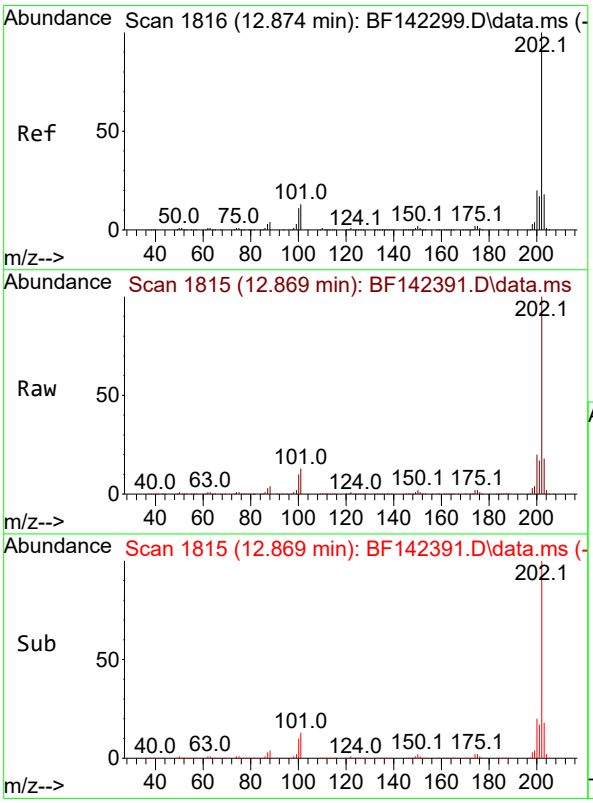
#77
Benzidine
Concen: 65.586 ng
RT: 12.757 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:184 Resp: 343850

Ion	Ratio	Lower	Upper
184	100		
185	14.5	12.6	18.8
183	10.8	8.6	12.8

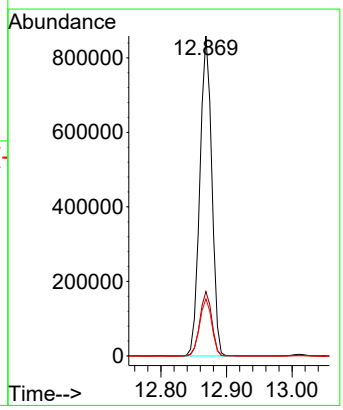


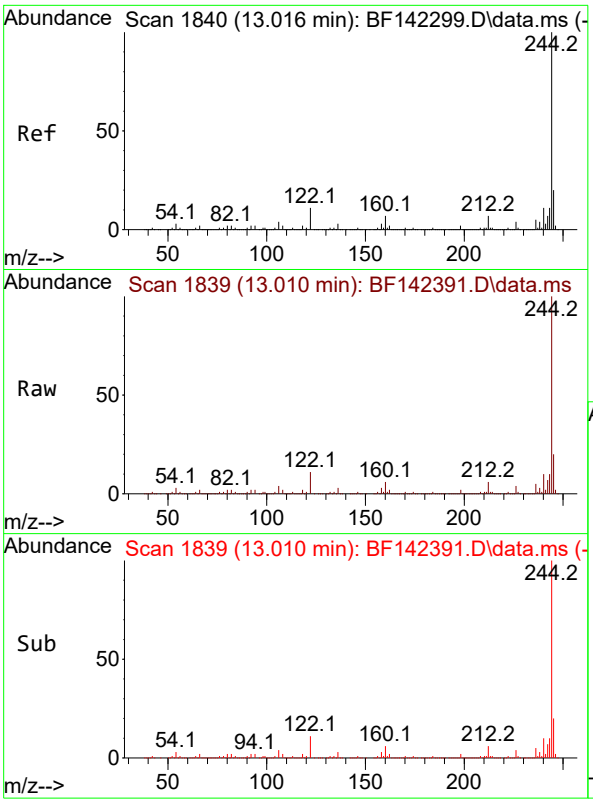


#78
Pyrene
Concen: 42.462 ng
RT: 12.869 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Tgt Ion:202 Resp: 1090362

Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.2	24.4
203	17.9	14.3	21.5



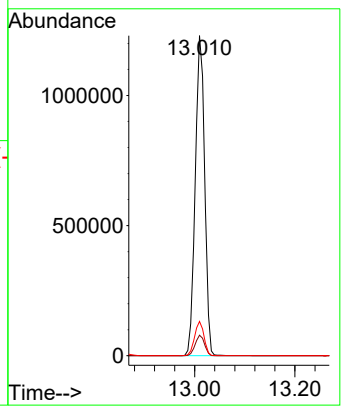


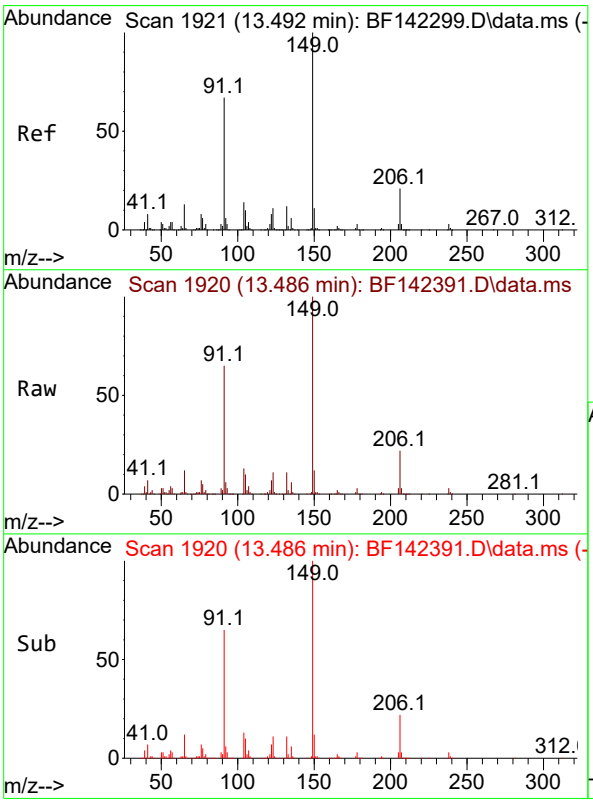
#79
Terphenyl-d14
Concen: 81.878 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:244 Resp: 1595908

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.2
122	10.7	9.0	13.4

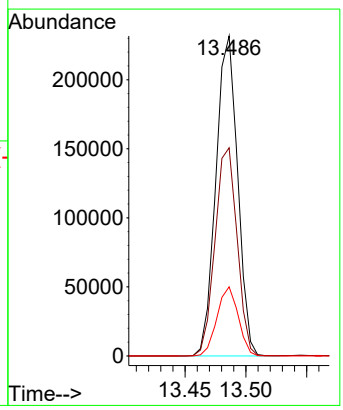


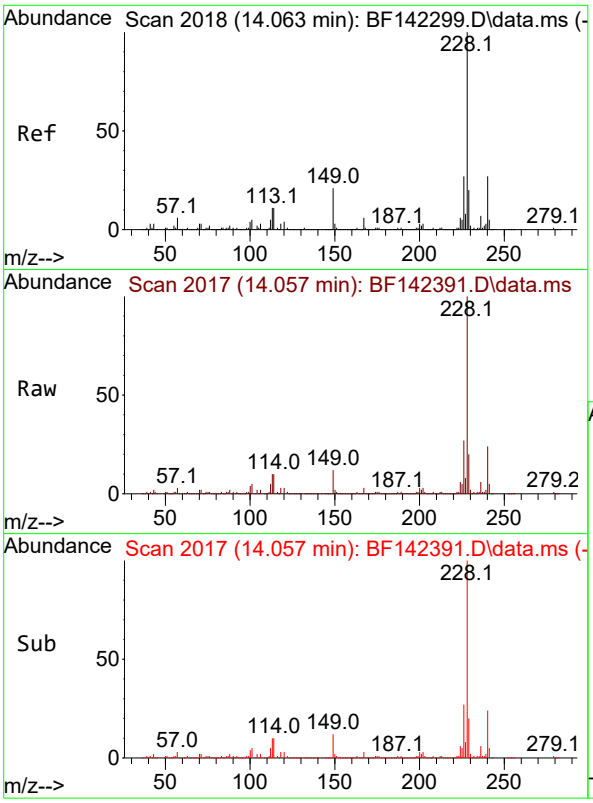


#80
Butylbenzylphthalate
Concen: 39.201 ng
RT: 13.486 min Scan# 1920
Delta R.T. -0.006 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Tgt Ion:149 Resp: 288328

Ion	Ratio	Lower	Upper
149	100		
91	65.1	53.8	80.6
206	21.6	16.6	24.8



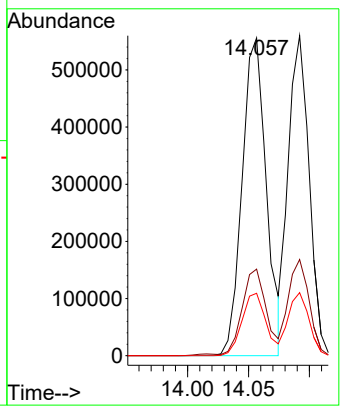


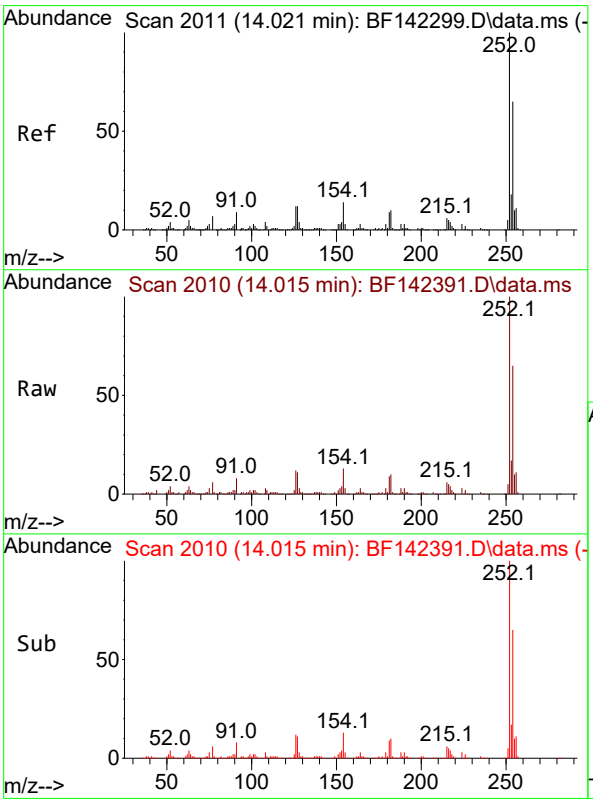
#81
Benzo(a)anthracene
Concen: 41.220 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:228 Resp: 770111

Ion	Ratio	Lower	Upper
228	100		
226	27.2	21.5	32.3
229	19.7	15.9	23.9

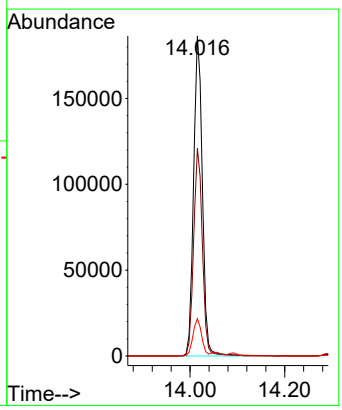


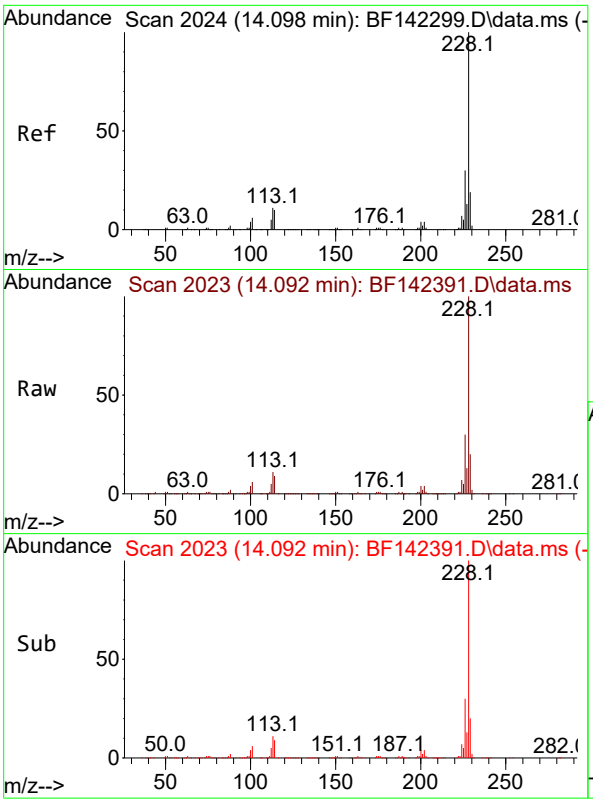


#82
3,3'-Dichlorobenzidine
Concen: 55.468 ng
RT: 14.015 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Tgt Ion:252 Resp: 240994

Ion	Ratio	Lower	Upper
252	100		
254	64.9	52.0	78.0
126	11.7	9.7	14.5



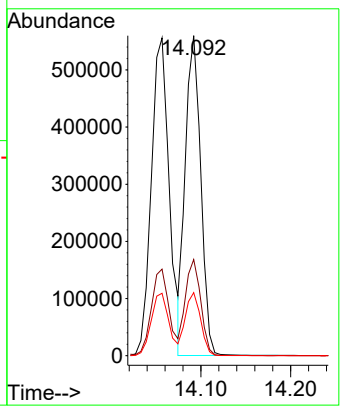


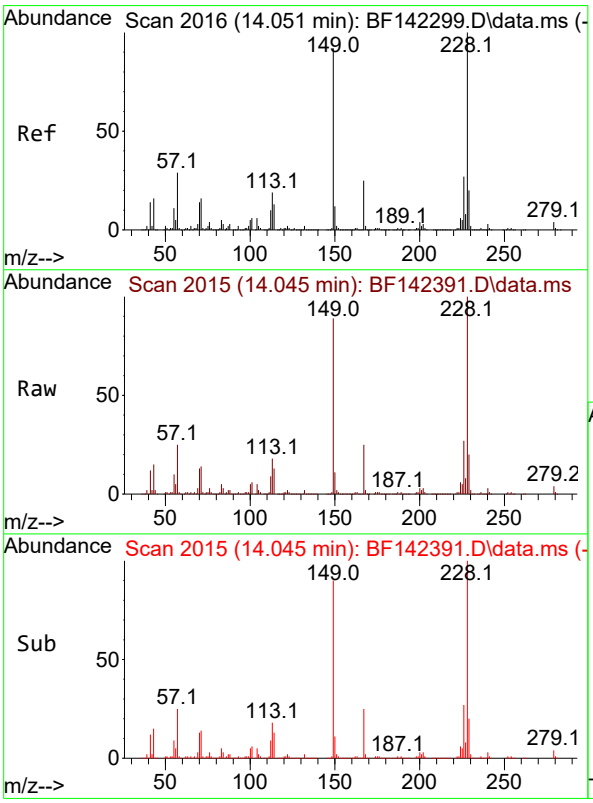
#83
Chrysene
Concen: 38.515 ng
RT: 14.092 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:228 Resp: 669868

Ion	Ratio	Lower	Upper
228	100		
226	30.0	23.9	35.9
229	19.7	15.4	23.2

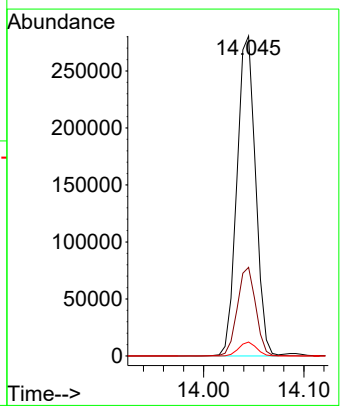


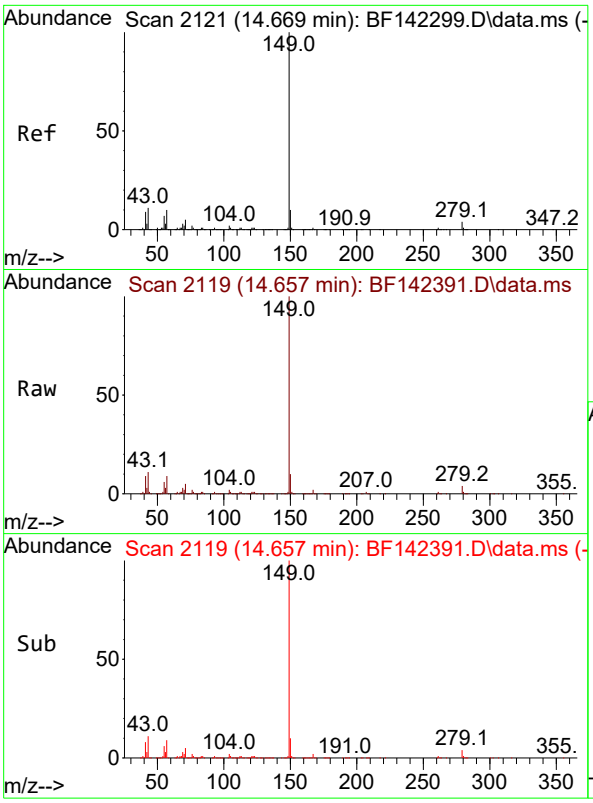


#84
Bis(2-ethylhexyl)phthalate
Concen: 38.167 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Tgt Ion:149 Resp: 363177

Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.0	33.0
279	4.4	3.0	4.6



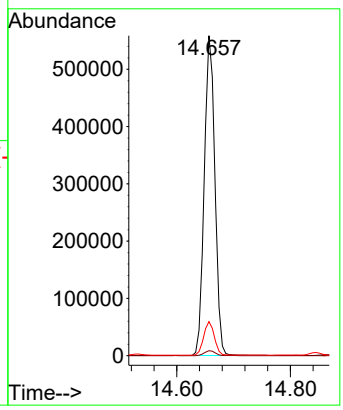


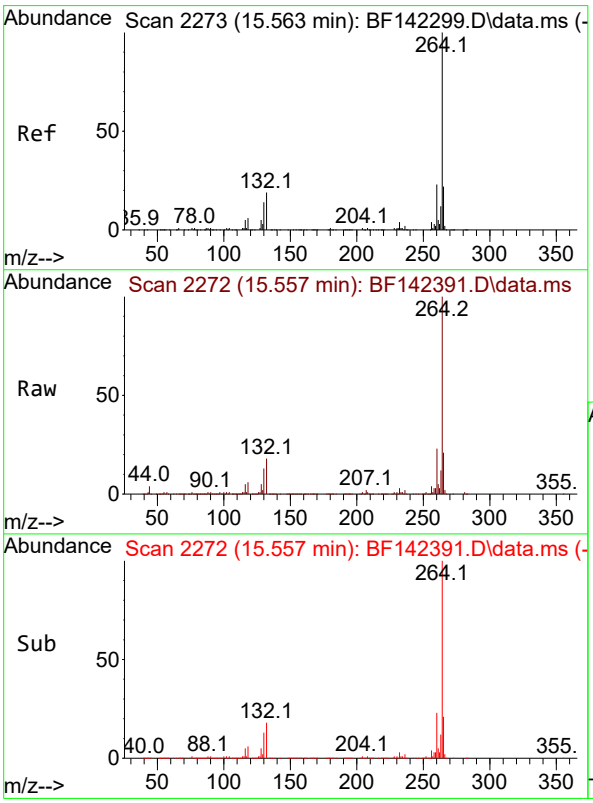
#85
Di-n-octyl phthalate
Concen: 42.259 ng
RT: 14.657 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:149 Resp: 723835

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.1	1.7
43	10.5	9.2	13.8

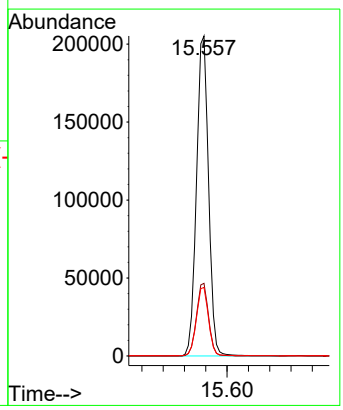


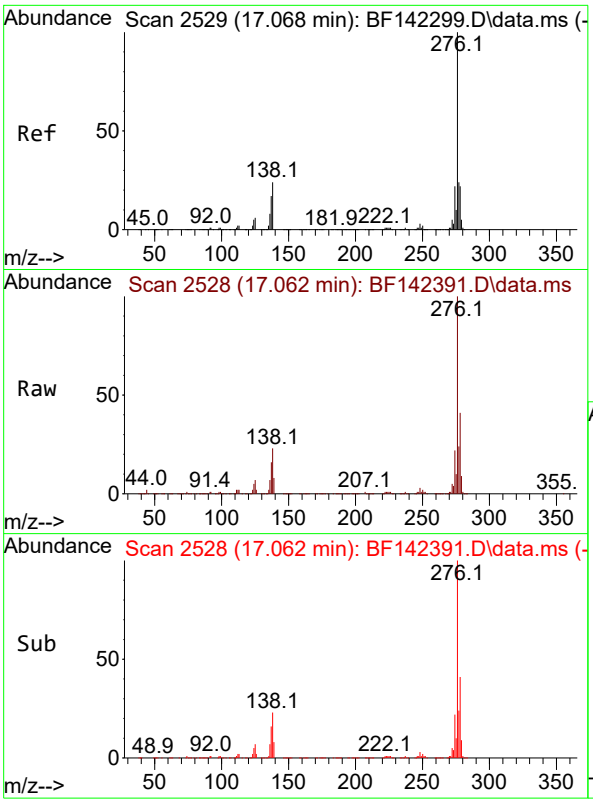


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2272
Delta R.T. -0.006 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Tgt Ion:264 Resp: 322668

Ion	Ratio	Lower	Upper
264	100		
260	22.7	18.6	27.8
265	21.4	17.5	26.3



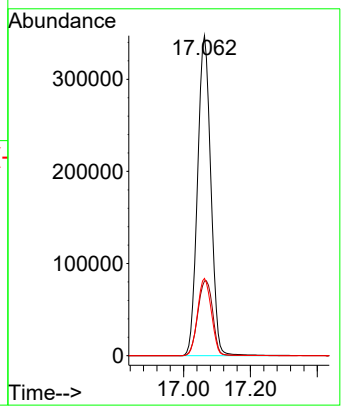


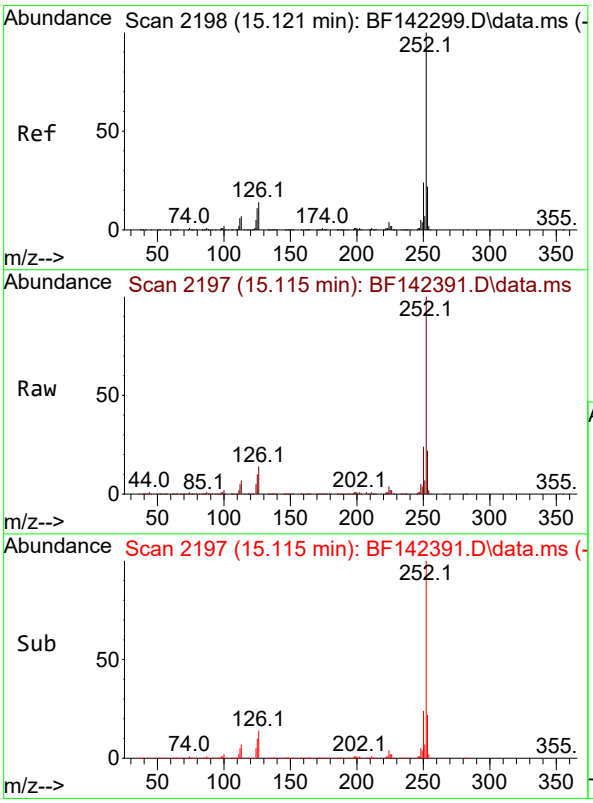
#87
Indeno(1,2,3-cd)pyrene
Concen: 42.664 ng
RT: 17.062 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:276 Resp: 957618

Ion	Ratio	Lower	Upper
276	100		
138	26.2	22.0	33.0
277	25.1	20.1	30.1

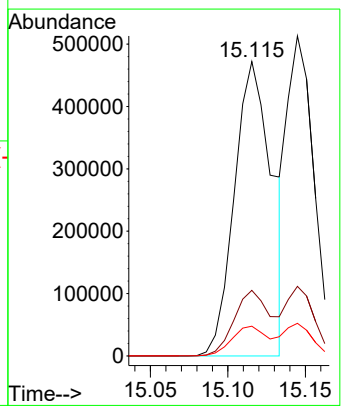


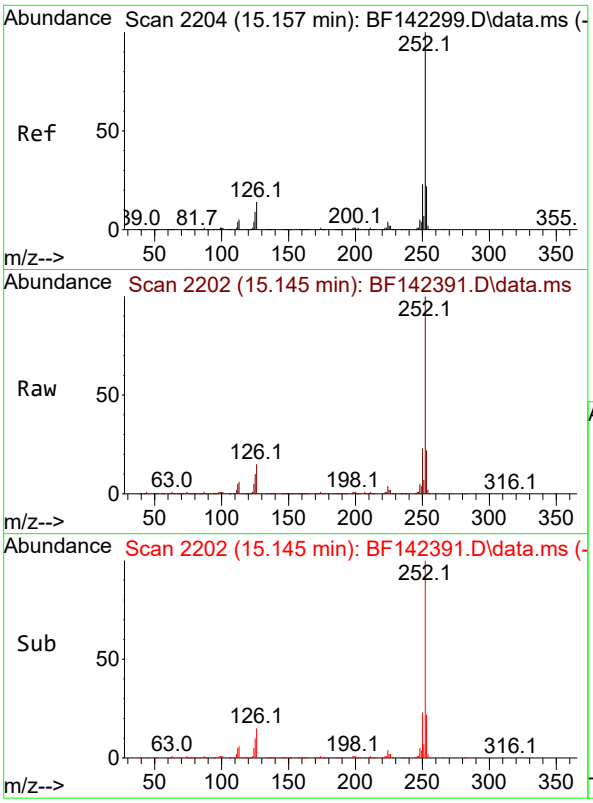


#88
Benzo(b)fluoranthene
Concen: 40.740 ng
RT: 15.115 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Tgt Ion:252 Resp: 796168

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	10.1	8.7	13.1



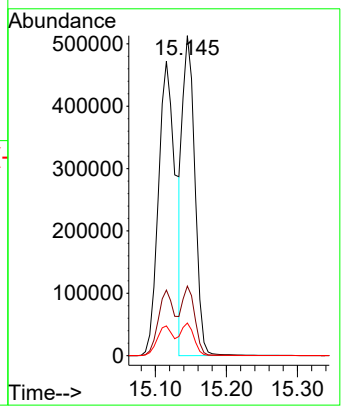


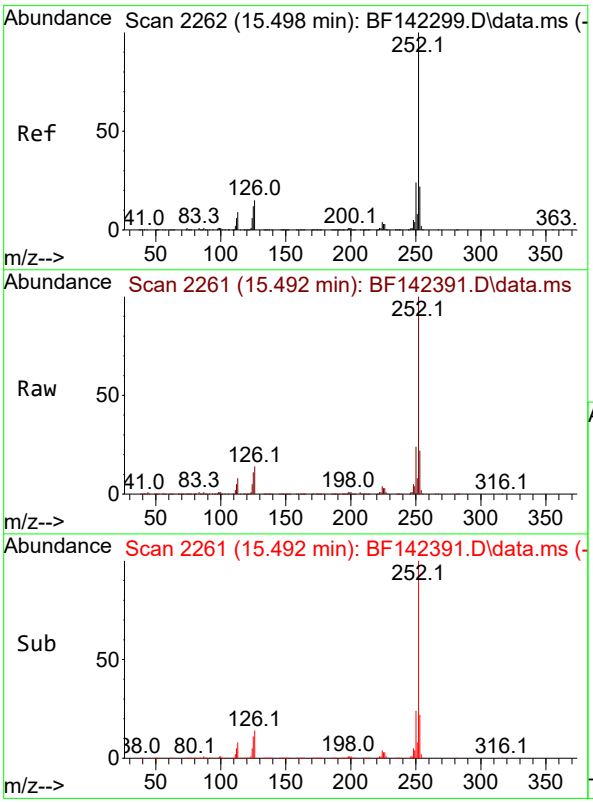
#89
Benzo(k)fluoranthene
Concen: 34.589 ng
RT: 15.145 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:252 Resp: 618596

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4
125	10.2	8.1	12.1

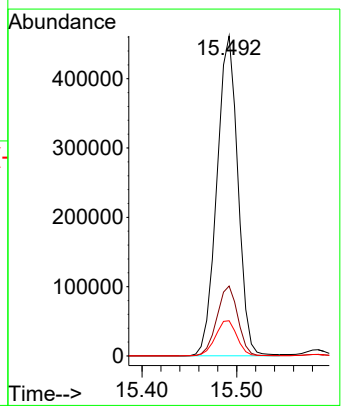


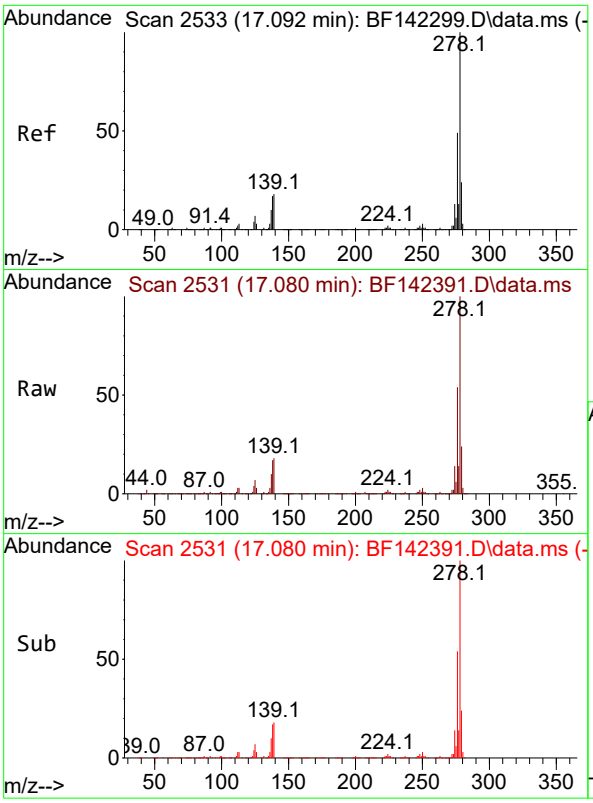


#90
Benzo(a)pyrene
Concen: 40.599 ng
RT: 15.492 min Scan# 2261
Delta R.T. -0.006 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Tgt Ion:252 Resp: 710974

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.8	26.6
125	11.0	9.4	14.0



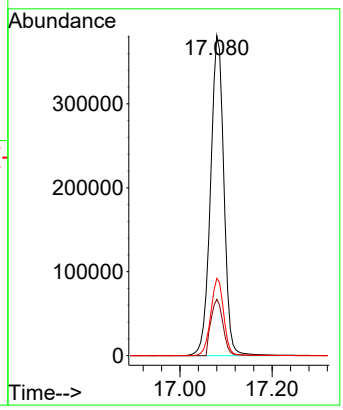


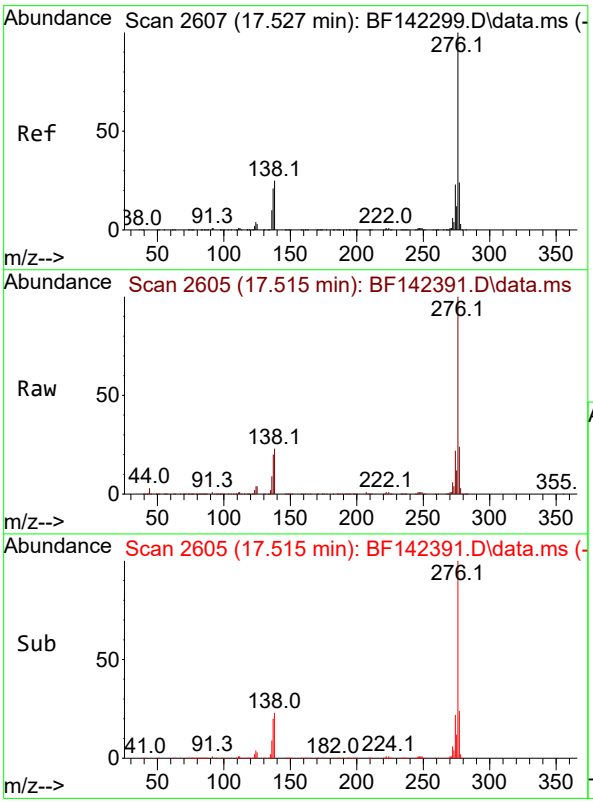
#91
Dibenzo(a,h)anthracene
Concen: 41.520 ng
RT: 17.080 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

Tgt Ion:278 Resp: 769936

Ion	Ratio	Lower	Upper
278	100		
139	17.6	14.5	21.7
279	24.1	18.9	28.3

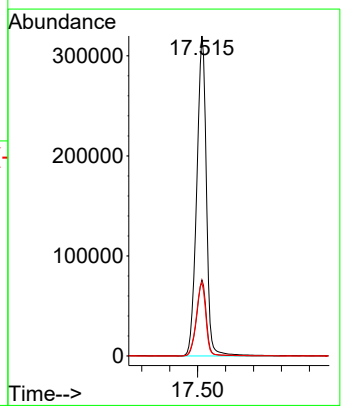




#92
Benzo(g,h,i)perylene
Concen: 41.653 ng
RT: 17.515 min Scan# 2605
Delta R.T. -0.012 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

Tgt Ion:276 Resp: 766601

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.0	28.6
138	22.8	19.8	29.6



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142391.D
Acq On : 15 May 2025 13:58
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: May 15 14:49:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 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	77	0.00
2		1,4-Dioxane	0.528	0.512	3.0	78	0.00
3		Pyridine	1.239	1.314	-6.1	86	0.00
4		n-Nitrosodimethylamine	0.720	0.689	4.3	76	0.00
5	S	2-Fluorophenol	1.172	1.203	-2.6	82	0.00
6		Aniline	1.413	1.915	-35.5#	101	0.00
7	S	Phenol-d6	1.441	1.447	-0.4	81	0.00
8		2-Chlorophenol	1.252	1.315	-5.0	83	0.00
9		Benzaldehyde	0.843	0.813	3.6	85	0.00
10	C	Phenol	1.527	1.640	-7.4	86	0.00
11		bis(2-Chloroethyl)ether	1.506	1.172	22.2	67	0.00
12		1,3-Dichlorobenzene	1.432	1.418	1.0	81	0.00
13	C	1,4-Dichlorobenzene	1.438	1.425	0.9	80	0.00
14		1,2-Dichlorobenzene	1.380	1.363	1.2	80	0.00
15		Benzyl Alcohol	0.933	1.030	-10.4	85	0.00
16		2,2'-oxybis(1-Chloropropane	2.249	2.025	10.0	73	0.00
17		2-Methylphenol	1.014	1.011	0.3	80	0.00
18		Hexachloroethane	0.478	0.492	-2.9	82	0.00
19	P	n-Nitroso-di-n-propylamine	0.891	0.836	6.2	75	0.00
20		3+4-Methylphenols	1.265	1.273	-0.6	81	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	75	0.00
22		Acetophenone	0.445	0.431	3.1	77	0.00
23	S	Nitrobenzene-d5	0.328	0.364	-11.0	83	0.00
24		Nitrobenzene	0.309	0.335	-8.4	81	0.00
25		Isophorone	0.621	0.594	4.3	76	0.00
26	C	2-Nitrophenol	0.129	0.183	-41.9#	103	0.00
27		2,4-Dimethylphenol	0.312	0.320	-2.6	80	0.00
28		bis(2-Chloroethoxy)methane	0.399	0.372	6.8	74	0.00
29	C	2,4-Dichlorophenol	0.265	0.283	-6.8	80	0.00
30		1,2,4-Trichlorobenzene	0.299	0.300	-0.3	80	0.00
31		Naphthalene	0.969	0.958	1.1	79	0.00
32		Benzoic acid	0.150	0.202	-34.7#	108	0.00
33		4-Chloroaniline	0.396	0.394	0.5	77	-0.02
34	C	Hexachlorobutadiene	0.177	0.182	-2.8	81	0.00
35		Caprolactam	0.077	0.086	-11.7	82	0.00
36	C	4-Chloro-3-methylphenol	0.276	0.283	-2.5	79	0.00
37		2-Methylnaphthalene	0.602	0.589	2.2	77	0.00
38		1-Methylnaphthalene	0.628	0.610	2.9	77	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	73	0.00
40		1,2,4,5-Tetrachlorobenzene	0.559	0.568	-1.6	80	0.00
41	P	Hexachlorocyclopentadiene	0.345	0.392	-13.6	83	0.00
42	S	2,4,6-Tribromophenol	0.193	0.222	-15.0	84	0.00
43	C	2,4,6-Trichlorophenol	0.352	0.391	-11.1	81	0.00
44		2,4,5-Trichlorophenol	0.375	0.400	-6.7	80	0.00
45	S	2-Fluorobiphenyl	1.403	1.336	4.8	76	0.00
46		1,1'-Biphenyl	1.533	1.493	2.6	77	0.00
47		2-Chloronaphthalene	1.140	1.130	0.9	77	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142391.D
Acq On : 15 May 2025 13:58
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: May 15 14:49:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 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	0.292	0.352	-20.5	86	0.00
49		Acenaphthylene	1.908	1.885	1.2	77	0.00
50		Dimethylphthalate	1.284	1.277	0.5	77	0.00
51		2,6-Dinitrotoluene	0.240	0.283	-17.9	84	0.00
52	C	Acenaphthene	1.147	1.148	-0.1	78	0.00
53		3-Nitroaniline	0.282	0.326	-15.6	83	0.00
54	P	2,4-Dinitrophenol	0.102	0.159	-55.9#	119	0.00
55		Dibenzofuran	1.693	1.652	2.4	77	0.00
56	P	4-Nitrophenol	0.212	0.259	-22.2	88	0.00
57		2,4-Dinitrotoluene	0.308	0.385	-25.0#	88	0.00
58		Fluorene	1.292	1.257	2.7	76	0.00
59		2,3,4,6-Tetrachlorophenol	0.309	0.339	-9.7	81	0.00
60		Diethylphthalate	1.283	1.218	5.1	73	0.00
61		4-Chlorophenyl-phenylether	0.623	0.608	2.4	76	0.00
62		4-Nitroaniline	0.223	0.293	-31.4#	95	0.00
63		Azobenzene	1.226	1.133	7.6	73	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	73	0.00
65		4,6-Dinitro-2-methylphenol	0.082	0.120	-46.3#	109	0.00
66	c	n-Nitrosodiphenylamine	0.666	0.654	1.8	76	0.00
67		4-Bromophenyl-phenylether	0.227	0.224	1.3	76	0.00
68		Hexachlorobenzene	0.249	0.251	-0.8	77	0.00
69		Atrazine	0.175	0.184	-5.1	77	0.00
70	C	Pentachlorophenol	0.131	0.160	-22.1#	84	0.00
71		Phenanthrene	1.048	1.024	2.3	76	0.00
72		Anthracene	1.077	1.062	1.4	76	0.00
73		Carbazole	0.966	0.948	1.9	75	0.00
74		Di-n-butylphthalate	1.016	0.982	3.3	71	0.00
75	C	Fluoranthene	1.048	0.996	5.0	74	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	64	0.00
77		Benzidine	0.363	0.596	-64.2#	107	-0.01
78		Pyrene	1.780	1.890	-6.2	71	0.00
79	S	Terphenyl-d14	1.351	1.383	-2.4	71	0.00
80		Butylbenzylphthalate	0.449	0.500	-11.4	69	0.00
81		Benzo(a)anthracene	1.295	1.335	-3.1	69	0.00
82		3,3'-Dichlorobenzidine	0.301	0.418	-38.9#	91	0.00
83		Chrysene	1.206	1.161	3.7	68	0.00
84		Bis(2-ethylhexyl)phthalate	0.573	0.629	-9.8	67	0.00
85	c	Di-n-octyl phthalate	1.057	1.255	-18.7	78	-0.01
86	I	Perylene-d12	1.000	1.000	0.0	76	0.00
87		Indeno(1,2,3-cd)pyrene	1.391	1.484	-6.7	81	0.00
88		Benzo(b)fluoranthene	1.211	1.234	-1.9	80	0.00
89		Benzo(k)fluoranthene	1.109	0.959	13.5	70	-0.01
90	C	Benzo(a)pyrene	1.085	1.102	-1.6	78	0.00
91		Dibenzo(a,h)anthracene	1.149	1.193	-3.8	79	-0.01
92		Benzo(g,h,i)perylene	1.141	1.188	-4.1	80	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142391.D
Acq On : 15 May 2025 13:58
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: May 15 14:49:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 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 = 2

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142391.D
Acq On : 15 May 2025 13:58
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: May 15 14:49:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 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	77	0.00
2		1,4-Dioxane	40.000	38.809	3.0	78	0.00
3		Pyridine	40.000	42.429	-6.1	86	0.00
4		n-Nitrosodimethylamine	40.000	38.286	4.3	76	0.00
5	S	2-Fluorophenol	80.000	82.159	-2.7	82	0.00
6		Aniline	40.000	54.203	-35.5#	101	0.00
7	S	Phenol-d6	80.000	80.360	-0.4	81	0.00
8		2-Chlorophenol	40.000	42.022	-5.1	83	0.00
9		Benzaldehyde	40.000	38.543	3.6	85	0.00
10	C	Phenol	40.000	42.948	-7.4	86	0.00
11		bis(2-Chloroethyl)ether	40.000	31.132	22.2	67	0.00
12		1,3-Dichlorobenzene	40.000	39.594	1.0	81	0.00
13	C	1,4-Dichlorobenzene	40.000	39.641	0.9	80	0.00
14		1,2-Dichlorobenzene	40.000	39.485	1.3	80	0.00
15		Benzyl Alcohol	40.000	44.159	-10.4	85	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	36.016	10.0	73	0.00
17		2-Methylphenol	40.000	39.916	0.2	80	0.00
18		Hexachloroethane	40.000	41.147	-2.9	82	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	37.532	6.2	75	0.00
20		3+4-Methylphenols	40.000	40.266	-0.7	81	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	75	0.00
22		Acetophenone	40.000	38.787	3.0	77	0.00
23	S	Nitrobenzene-d5	80.000	88.764	-11.0	83	0.00
24		Nitrobenzene	40.000	43.320	-8.3	81	0.00
25		Isophorone	40.000	38.269	4.3	76	0.00
26	C	2-Nitrophenol	40.000	48.931	-22.3#	103	0.00
27		2,4-Dimethylphenol	40.000	40.934	-2.3	80	0.00
28		bis(2-Chloroethoxy)methane	40.000	37.268	6.8	74	0.00
29	C	2,4-Dichlorophenol	40.000	42.703	-6.8	80	0.00
30		1,2,4-Trichlorobenzene	40.000	40.205	-0.5	80	0.00
31		Naphthalene	40.000	39.552	1.1	79	0.00
32		Benzoic acid	40.000	48.196	-20.5	108	0.00
33		4-Chloroaniline	40.000	39.814	0.5	77	-0.02
34	C	Hexachlorobutadiene	40.000	41.218	-3.0	81	0.00
35		Caprolactam	40.000	44.599	-11.5	82	0.00
36	C	4-Chloro-3-methylphenol	40.000	40.957	-2.4	79	0.00
37		2-Methylnaphthalene	40.000	39.084	2.3	77	0.00
38		1-Methylnaphthalene	40.000	38.852	2.9	77	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	73	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	40.687	-1.7	80	0.00
41	P	Hexachlorocyclopentadiene	40.000	45.422	-13.6	83	0.00
42	S	2,4,6-Tribromophenol	80.000	92.085	-15.1	84	0.00
43	C	2,4,6-Trichlorophenol	40.000	44.357	-10.9	81	0.00
44		2,4,5-Trichlorophenol	40.000	42.655	-6.6	80	0.00
45	S	2-Fluorobiphenyl	80.000	76.224	4.7	76	0.00
46		1,1'-Biphenyl	40.000	38.942	2.6	77	0.00
47		2-Chloronaphthalene	40.000	39.628	0.9	77	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142391.D
Acq On : 15 May 2025 13:58
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: May 15 14:49:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 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	48.112	-20.3	86	0.00
49		Acenaphthylene	40.000	39.520	1.2	77	0.00
50		Dimethylphthalate	40.000	39.778	0.6	77	0.00
51		2,6-Dinitrotoluene	40.000	47.019	-17.5	84	0.00
52	C	Acenaphthene	40.000	40.019	-0.0	78	0.00
53		3-Nitroaniline	40.000	46.193	-15.5	83	0.00
54	P	2,4-Dinitrophenol	40.000	53.459	-33.6#	119	0.00
55		Dibenzofuran	40.000	39.044	2.4	77	0.00
56	P	4-Nitrophenol	40.000	48.767	-21.9	88	0.00
57		2,4-Dinitrotoluene	40.000	49.962	-24.9	88	0.00
58		Fluorene	40.000	38.906	2.7	76	0.00
59		2,3,4,6-Tetrachlorophenol	40.000	43.865	-9.7	81	0.00
60		Diethylphthalate	40.000	37.988	5.0	73	0.00
61		4-Chlorophenyl-phenylether	40.000	38.998	2.5	76	0.00
62		4-Nitroaniline	40.000	52.481	-31.2#	95	0.00
63		Azobenzene	40.000	36.980	7.6	73	0.00
64	I	Phenanthrene-d10	20.000	20.000	0.0	73	0.00
65		4,6-Dinitro-2-methylphenol	40.000	50.973	-27.4#	109	0.00
66	c	n-Nitrosodiphenylamine	40.000	39.336	1.7	76	0.00
67		4-Bromophenyl-phenylether	40.000	39.524	1.2	76	0.00
68		Hexachlorobenzene	40.000	40.278	-0.7	77	0.00
69		Atrazine	40.000	41.840	-4.6	77	0.00
70	C	Pentachlorophenol	40.000	48.843	-22.1#	84	0.00
71		Phenanthrene	40.000	39.081	2.3	76	0.00
72		Anthracene	40.000	39.429	1.4	76	0.00
73		Carbazole	40.000	39.219	2.0	75	0.00
74		Di-n-butylphthalate	40.000	38.669	3.3	71	0.00
75	C	Fluoranthene	40.000	38.003	5.0	74	0.00
76	I	Chrysene-d12	20.000	20.000	0.0	64	0.00
77		Benzidine	40.000	65.586	-64.0#	107	-0.01
78		Pyrene	40.000	42.462	-6.2	71	0.00
79	S	Terphenyl-d14	80.000	81.878	-2.3	71	0.00
80		Butylbenzylphthalate	40.000	39.201	2.0	69	0.00
81		Benzo(a)anthracene	40.000	41.220	-3.0	69	0.00
82		3,3'-Dichlorobenzidine	40.000	55.468	-38.7#	91	0.00
83		Chrysene	40.000	38.515	3.7	68	0.00
84		Bis(2-ethylhexyl)phthalate	40.000	38.167	4.6	67	0.00
85	c	Di-n-octyl phthalate	40.000	42.259	-5.6	78	-0.01
86	I	Perylene-d12	20.000	20.000	0.0	76	0.00
87		Indeno(1,2,3-cd)pyrene	40.000	42.664	-6.7	81	0.00
88		Benzo(b)fluoranthene	40.000	40.740	-1.9	80	0.00
89		Benzo(k)fluoranthene	40.000	34.589	13.5	70	-0.01
90	C	Benzo(a)pyrene	40.000	40.599	-1.5	78	0.00
91		Dibenzo(a,h)anthracene	40.000	41.520	-3.8	79	-0.01
92		Benzo(g,h,i)perylene	40.000	41.653	-4.1	80	-0.01

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142391.D
Acq On : 15 May 2025 13:58
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: May 15 14:49:05 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 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 = 2

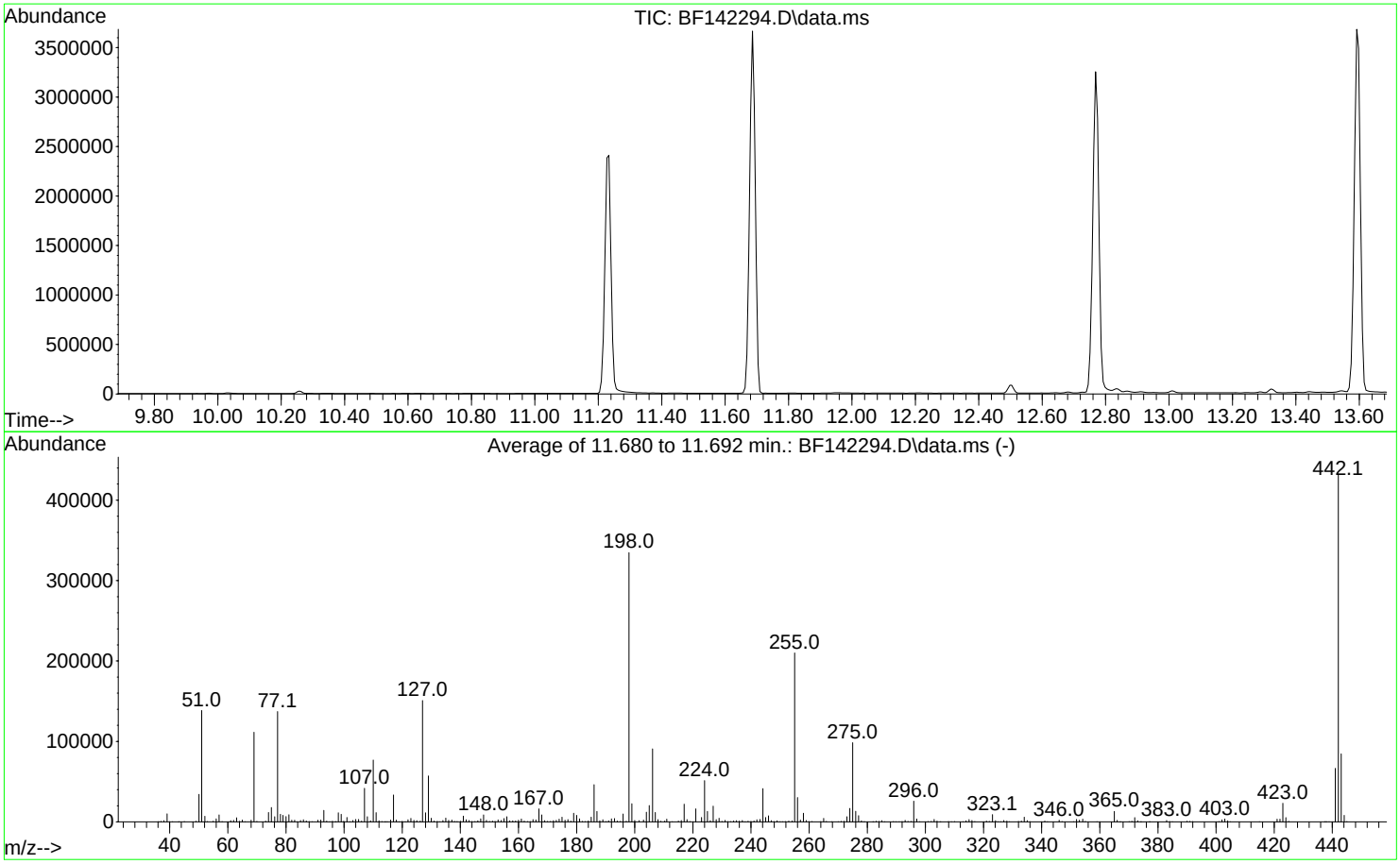
QC SAMPLE DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142294.D
Acq On : 05 May 2025 13:24
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon May 05 18:41:44 2025



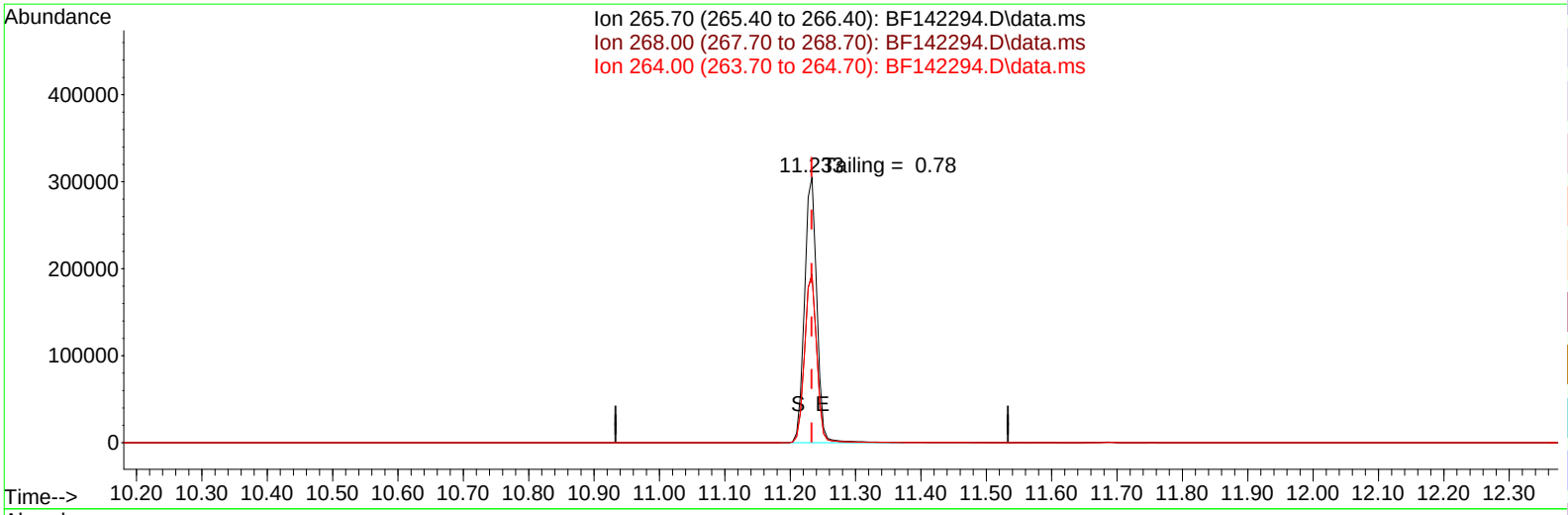
AutoFind: Scans 1613, 1614, 1615; Background Corrected with Scan 1606

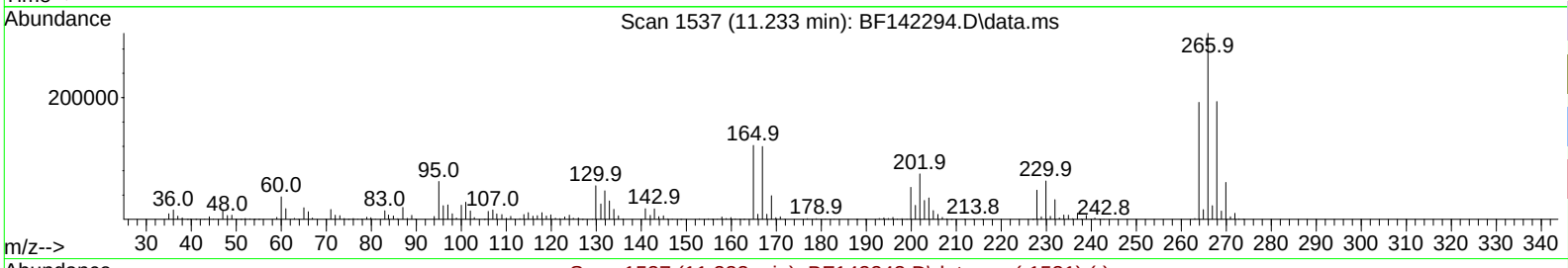
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	41.3	138422	PASS
68	69	0.00	2	1.8	2002	PASS
69	198	0.00	100	33.3	111451	PASS
70	69	0.00	2	0.5	606	PASS
127	198	10	80	45.1	150915	PASS
197	198	0.00	2	0.2	791	PASS
198	198	100	100	100.0	334827	PASS
199	198	5	9	6.7	22493	PASS
275	198	10	60	29.4	98472	PASS
365	198	1	100	3.9	13004	PASS
441	198	0.01	100	19.9	66483	PASS
442	442	50	100	100.0	431915	PASS
443	442	15	24	19.6	84477	PASS

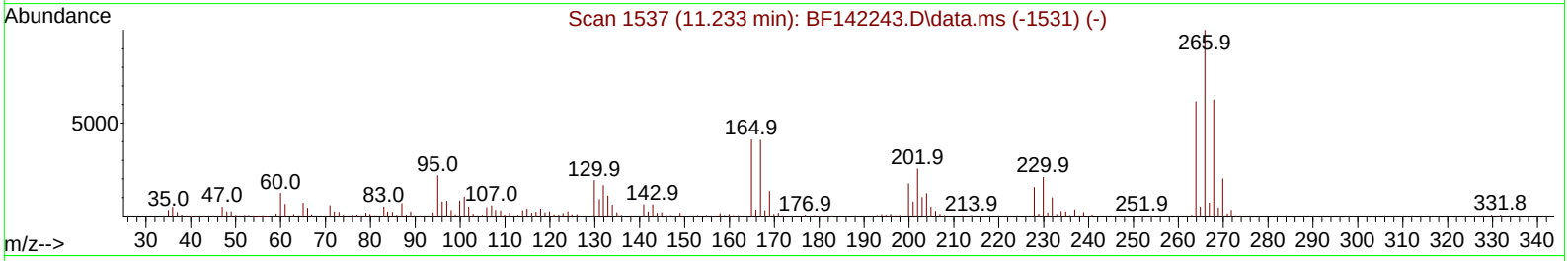
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142294.D
Acq On : 05 May 2025 13:24
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: May 05 15:26:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 15:26:28 2025
Response via : Initial Calibration







TIC: BF142294.D\data.ms

(70) Pentachlorophenol (C)

11.233min (+ 0.000) 69841.70 ng

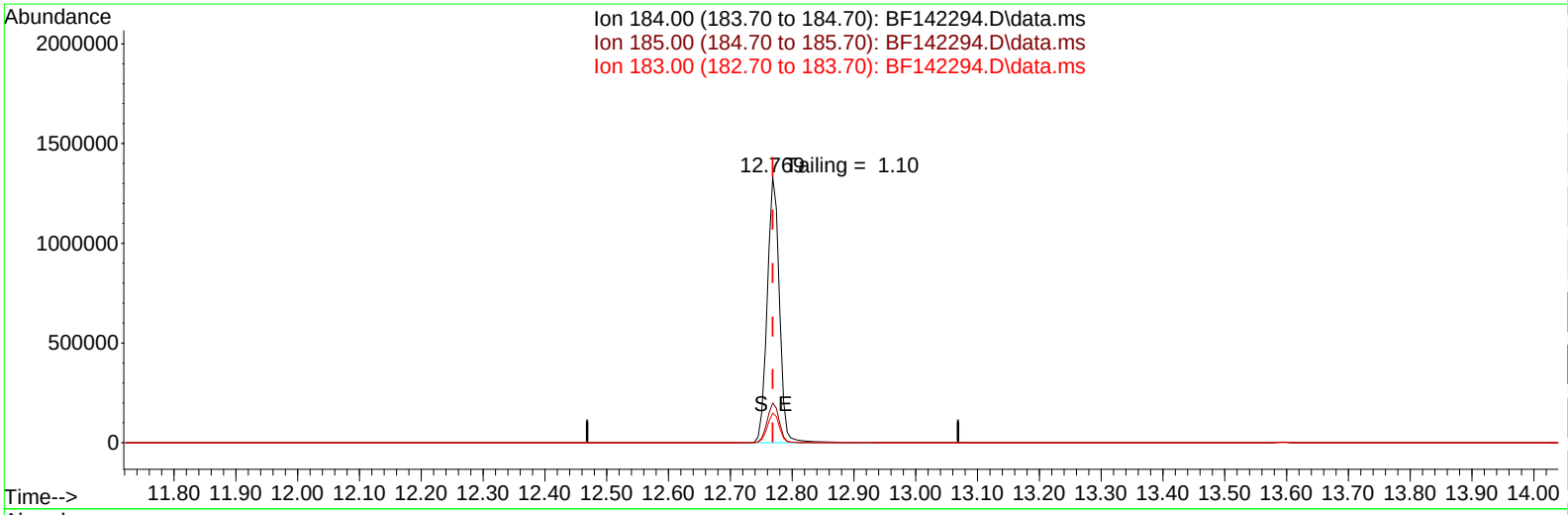
response 401301

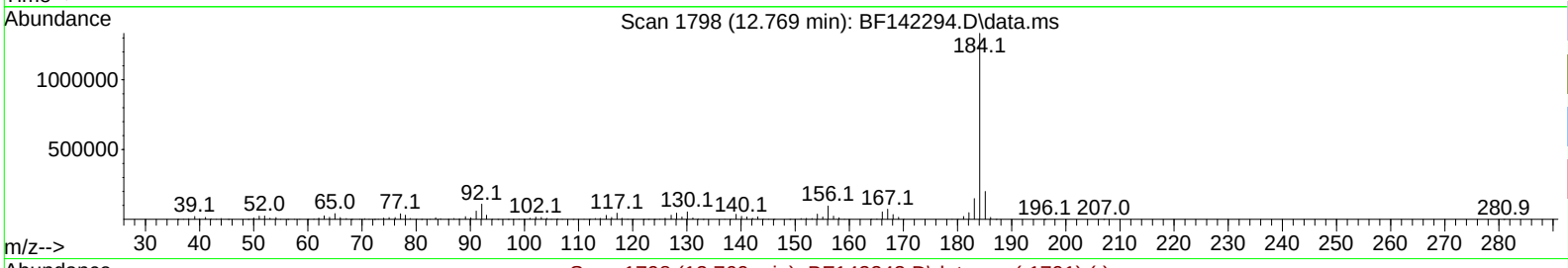
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	62.50	63.35
264.00	61.60	62.89
0.00	0.00	0.00

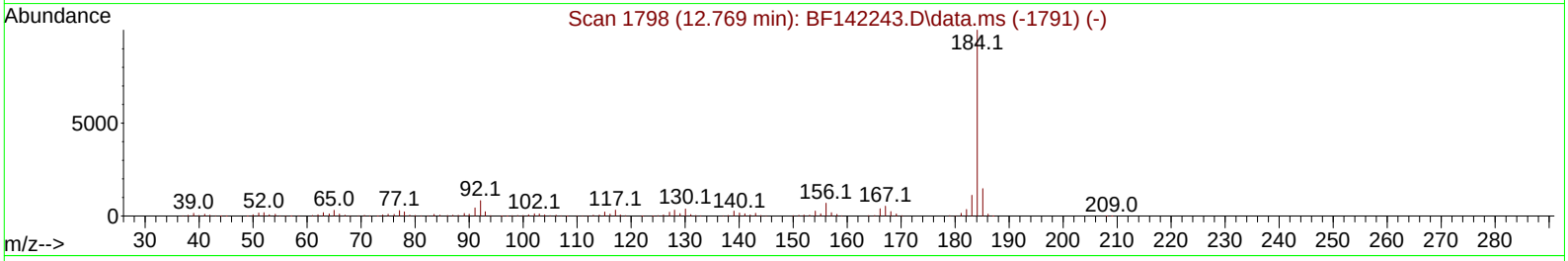
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142294.D
Acq On : 05 May 2025 13:24
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: May 05 15:26:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 15:26:28 2025
Response via : Initial Calibration







TIC: BF142294.D\data.ms

(77) Benzidine

12.769min (-0.000) 69201.02 ng

response 1834842

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.70	15.01
183.00	11.10	11.15
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

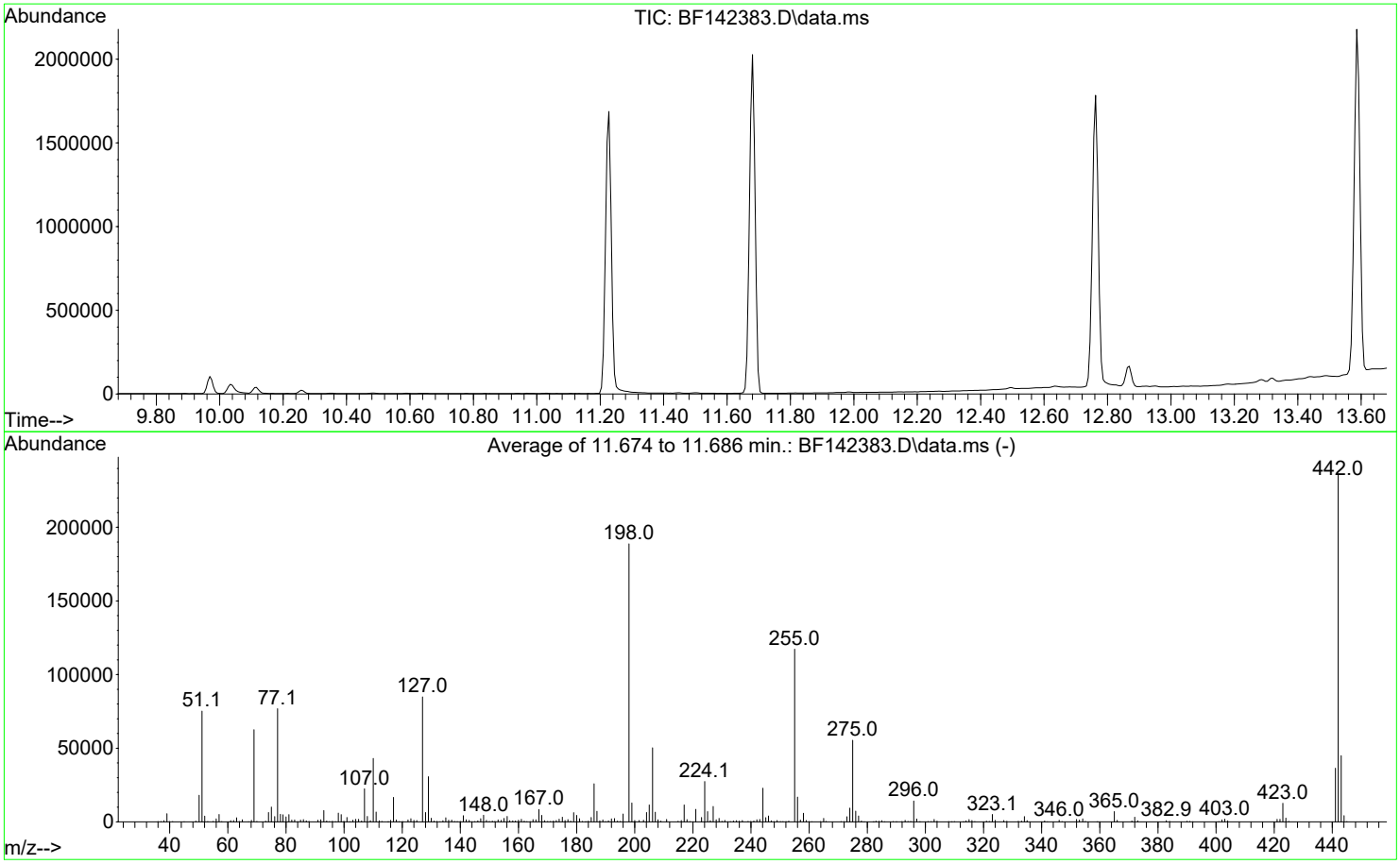
Date	Instrument Name	DFTPP Data File
5/5/2025	BNA_F	BF142294.D
Compound Name	**Response**	**Retention Time**
DDT	875067	13.592
DDD	9793	13.321
DDE	601	12.957
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
10394	885461	1.17

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142383.D
Acq On : 15 May 2025 09:09
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-BF050525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Mon May 05 18:41:44 2025



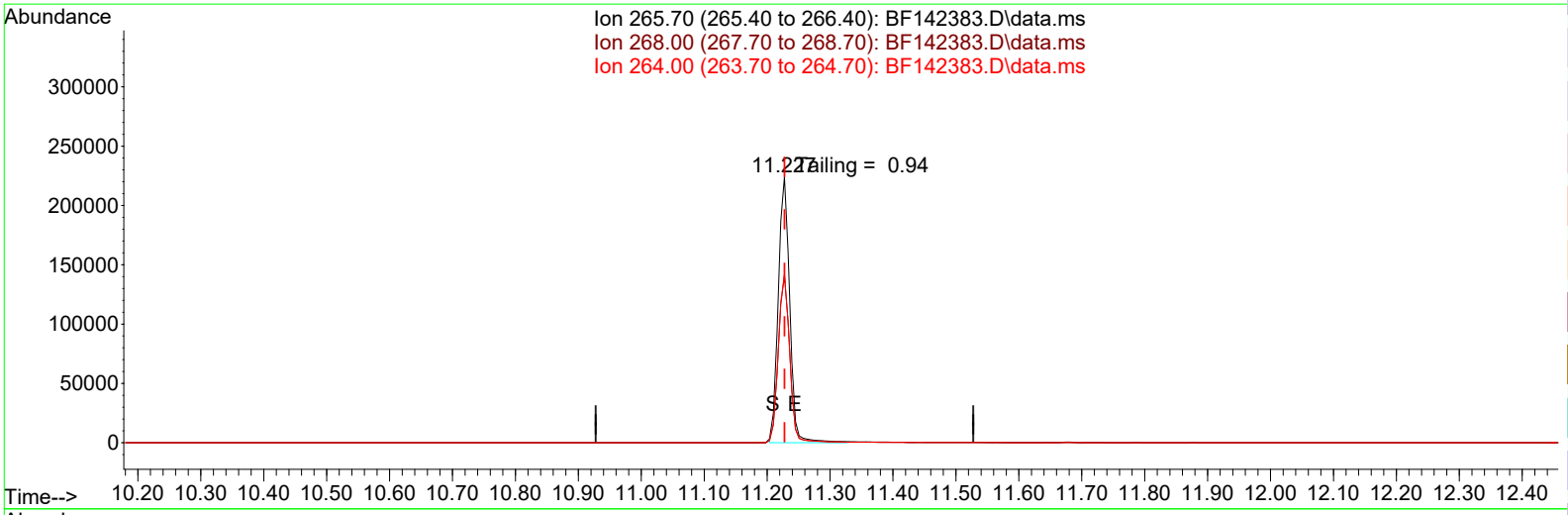
AutoFind: Scans 1612, 1613, 1614; Background Corrected with Scan 1605

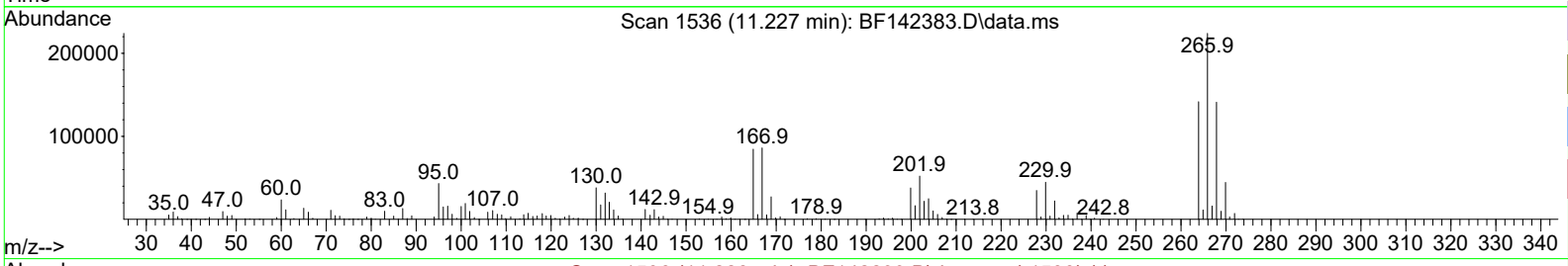
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	39.8	75184	PASS
68	69	0.00	2	1.7	1079	PASS
69	198	0.00	100	33.2	62629	PASS
70	69	0.00	2	0.5	299	PASS
127	198	10	80	45.0	84867	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	188736	PASS
199	198	5	9	6.8	12787	PASS
275	198	10	60	29.3	55387	PASS
365	198	1	100	3.7	6961	PASS
441	198	0.01	100	19.3	36435	PASS
442	442	50	100	100.0	235861	PASS
443	442	15	24	19.1	44984	PASS

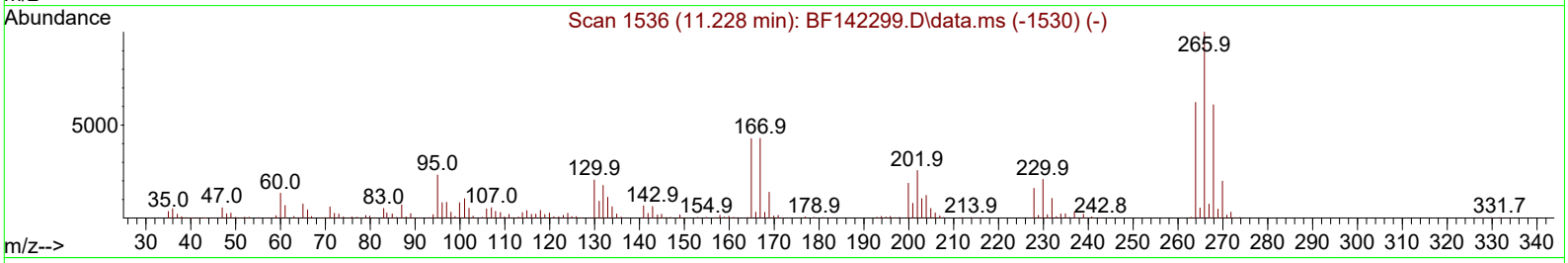
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142383.D
Acq On : 15 May 2025 09:09
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: May 16 03:44:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration







TIC: BF142383.D\data.ms

(70) Pentachlorophenol (C)

11.227min (-0.000) 44844.10 ng

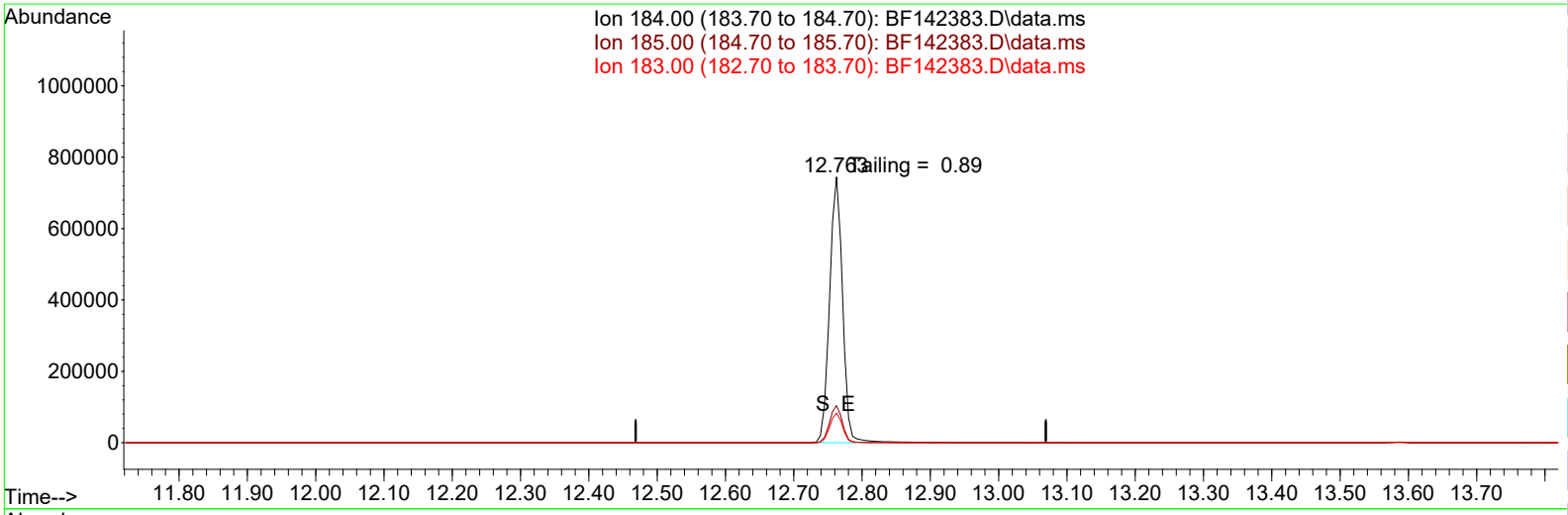
response 288510

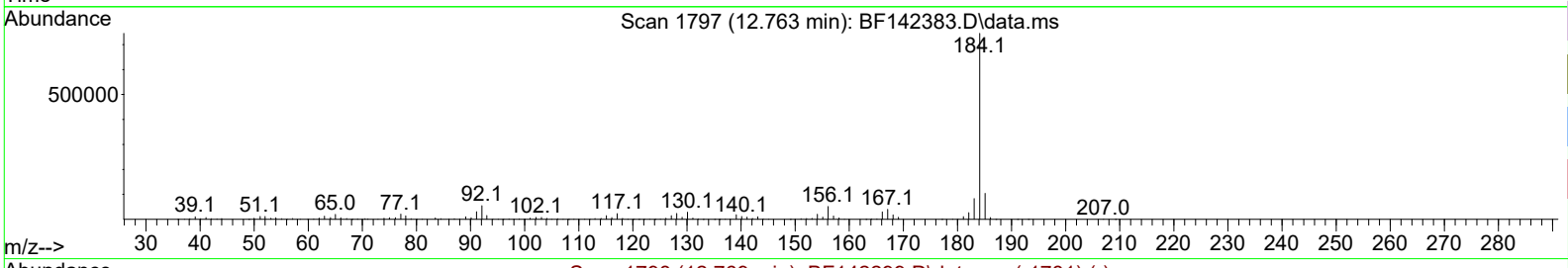
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	60.90	62.98
264.00	62.20	63.27
0.00	0.00	0.00

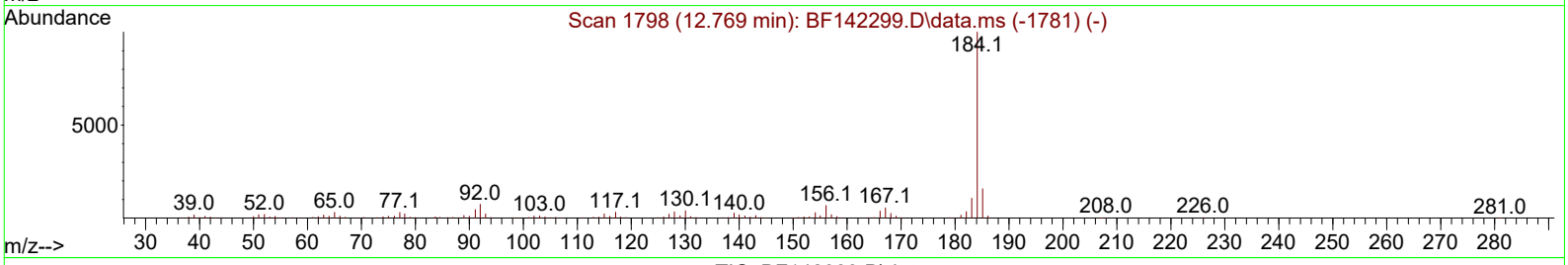
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142383.D
Acq On : 15 May 2025 09:09
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: May 16 03:44:26 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration







TIC: BF142383.D\data.ms

(77) Benzidine

12.763min (-0.006) 484587.50 ng m

response 977502

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	15.70	13.94
183.00	10.70	11.16
0.00	0.00	0.00

Instrument :
BNA_F
ClientSampleId :
DFTPP

DDT Breakdown

Date	Instrument Name	DFTPP Data File
5/15/2025	BNA_F	BF142383.D
Compound Name	**Response**	**Retention Time**
DDT	530900	13.586
DDD	9628	13.321
DDE	972	12.951
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
10600	541500	1.96

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:	PB167951BL	SDG No.:	Q1985
Lab Sample ID:	PB167951BL	Matrix:	Water
Analytical Method:	8270E	% 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
BF142385.D	1	05/12/25 08:40	05/15/25 10:37	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	8.00	U	3.90	8.00	10.0	ug/L
108-95-2	Phenol	4.00	U	0.91	4.00	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	4.00	U	0.81	4.00	5.00	ug/L
95-57-8	2-Chlorophenol	4.00	U	0.58	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	1.30	4.00	5.00	ug/L
98-86-2	Acetophenone	4.00	U	0.74	4.00	5.00	ug/L
65794-96-9	3+4-Methylphenols	8.00	U	1.10	8.00	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	2.50	U	1.40	2.50	2.50	ug/L
67-72-1	Hexachloroethane	4.00	U	0.65	4.00	5.00	ug/L
98-95-3	Nitrobenzene	4.00	U	0.76	4.00	5.00	ug/L
78-59-1	Isophorone	4.00	U	0.75	4.00	5.00	ug/L
88-75-5	2-Nitrophenol	4.00	U	1.80	4.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	4.00	U	1.90	4.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	4.00	U	0.68	4.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	4.00	U	0.52	4.00	5.00	ug/L
91-20-3	Naphthalene	4.00	U	0.50	4.00	5.00	ug/L
106-47-8	4-Chloroaniline	4.00	U	0.84	4.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	4.00	U	0.54	4.00	5.00	ug/L
105-60-2	Caprolactam	8.00	U	1.10	8.00	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	4.00	U	0.59	4.00	5.00	ug/L
91-57-6	2-Methylnaphthalene	4.00	U	0.56	4.00	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	8.00	U	3.60	8.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	4.00	U	0.51	4.00	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	4.00	U	0.62	4.00	5.00	ug/L
92-52-4	1,1-Biphenyl	4.00	U	0.53	4.00	5.00	ug/L
91-58-7	2-Chloronaphthalene	4.00	U	0.61	4.00	5.00	ug/L
88-74-4	2-Nitroaniline	4.00	U	1.30	4.00	5.00	ug/L
131-11-3	Dimethylphthalate	4.00	U	0.61	4.00	5.00	ug/L

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:	PB167951BL	SDG No.:	Q1985
Lab Sample ID:	PB167951BL	Matrix:	Water
Analytical Method:	8270E	% 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
BF142385.D	1	05/12/25 08:40	05/15/25 10:37	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	4.00	U	0.75	4.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	4.00	U	0.92	4.00	5.00	ug/L
99-09-2	3-Nitroaniline	4.00	U	1.10	4.00	5.00	ug/L
83-32-9	Acenaphthene	4.00	U	0.55	4.00	5.00	ug/L
51-28-5	2,4-Dinitrophenol	8.00	U	6.00	8.00	10.0	ug/L
100-02-7	4-Nitrophenol	8.00	U	2.40	8.00	10.0	ug/L
132-64-9	Dibenzofuran	4.00	U	0.61	4.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	4.00	U	1.20	4.00	5.00	ug/L
84-66-2	Diethylphthalate	4.00	U	0.69	4.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	4.00	U	0.68	4.00	5.00	ug/L
86-73-7	Fluorene	4.00	U	0.63	4.00	5.00	ug/L
100-01-6	4-Nitroaniline	4.00	U	1.50	4.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	8.00	U	2.90	8.00	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	4.00	U	0.58	4.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	4.00	U	0.40	4.00	5.00	ug/L
118-74-1	Hexachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
1912-24-9	Atrazine	4.00	U	1.00	4.00	5.00	ug/L
87-86-5	Pentachlorophenol	8.00	U	1.60	8.00	10.0	ug/L
85-01-8	Phenanthrene	4.00	U	0.50	4.00	5.00	ug/L
120-12-7	Anthracene	4.00	U	0.61	4.00	5.00	ug/L
86-74-8	Carbazole	4.00	U	0.72	4.00	5.00	ug/L
84-74-2	Di-n-butylphthalate	4.00	U	1.20	4.00	5.00	ug/L
206-44-0	Fluoranthene	4.00	U	0.82	4.00	5.00	ug/L
129-00-0	Pyrene	4.00	U	0.50	4.00	5.00	ug/L
85-68-7	Butylbenzylphthalate	4.00	U	1.90	4.00	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	8.00	U	0.93	8.00	10.0	ug/L
56-55-3	Benzo(a)anthracene	4.00	U	0.45	4.00	5.00	ug/L
218-01-9	Chrysene	4.00	U	0.44	4.00	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	4.00	U	1.60	4.00	5.00	ug/L
117-84-0	Di-n-octyl phthalate	8.00	U	2.30	8.00	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	4.00	U	0.49	4.00	5.00	ug/L

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:	PB167951BL	SDG No.:	Q1985
Lab Sample ID:	PB167951BL	Matrix:	Water
Analytical Method:	8270E	% 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
BF142385.D	1	05/12/25 08:40	05/15/25 10:37	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	4.00	U	0.48	4.00	5.00	ug/L
50-32-8	Benzo(a)pyrene	4.00	U	0.55	4.00	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	4.00	U	0.59	4.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	4.00	U	0.67	4.00	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	4.00	U	0.69	4.00	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	4.00	U	0.52	4.00	5.00	ug/L
123-91-1	1,4-Dioxane	4.00	U	1.00	4.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	4.00	U	0.72	4.00	5.00	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	126		19 - 119		84%	SPK: 150
13127-88-3	Phenol-d6	123		10 - 130		82%	SPK: 150
4165-60-0	Nitrobenzene-d5	86.0		44 - 120		86%	SPK: 100
321-60-8	2-Fluorobiphenyl	74.5		44 - 119		75%	SPK: 100
118-79-6	2,4,6-Tribromophenol	155		43 - 140		103%	SPK: 150
1718-51-0	Terphenyl-d14	72.8		50 - 134		73%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	183000	6.904				
1146-65-2	Naphthalene-d8	716000	8.181				
15067-26-2	Acenaphthene-d10	391000	9.939				
1517-22-2	Phenanthrene-d10	727000	11.422				
1719-03-5	Chrysene-d12	498000	14.063				
1520-96-3	Perylene-d12	376000	15.551				
TENTATIVE IDENTIFIED COMPOUNDS							
000123-42-2	2-Pentanone, 4-hydroxy-4-methyl-	9.90	A			5.14	ug/L
	unknown7.304	2.10	J			7.30	ug/L

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:	PB167951BL			SDG No.:	Q1985
Lab Sample ID:	PB167951BL			Matrix:	Water
Analytical Method:	8270E			% 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
BF142385.D	1	05/12/25 08:40	05/15/25 10:37	PB167951

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\BF051525\
Data File : BF142385.D
Acq On : 15 May 2025 10:37
Operator : RC/JU
Sample : PB167951BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167951BL

Quant Time: May 15 11:06:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration

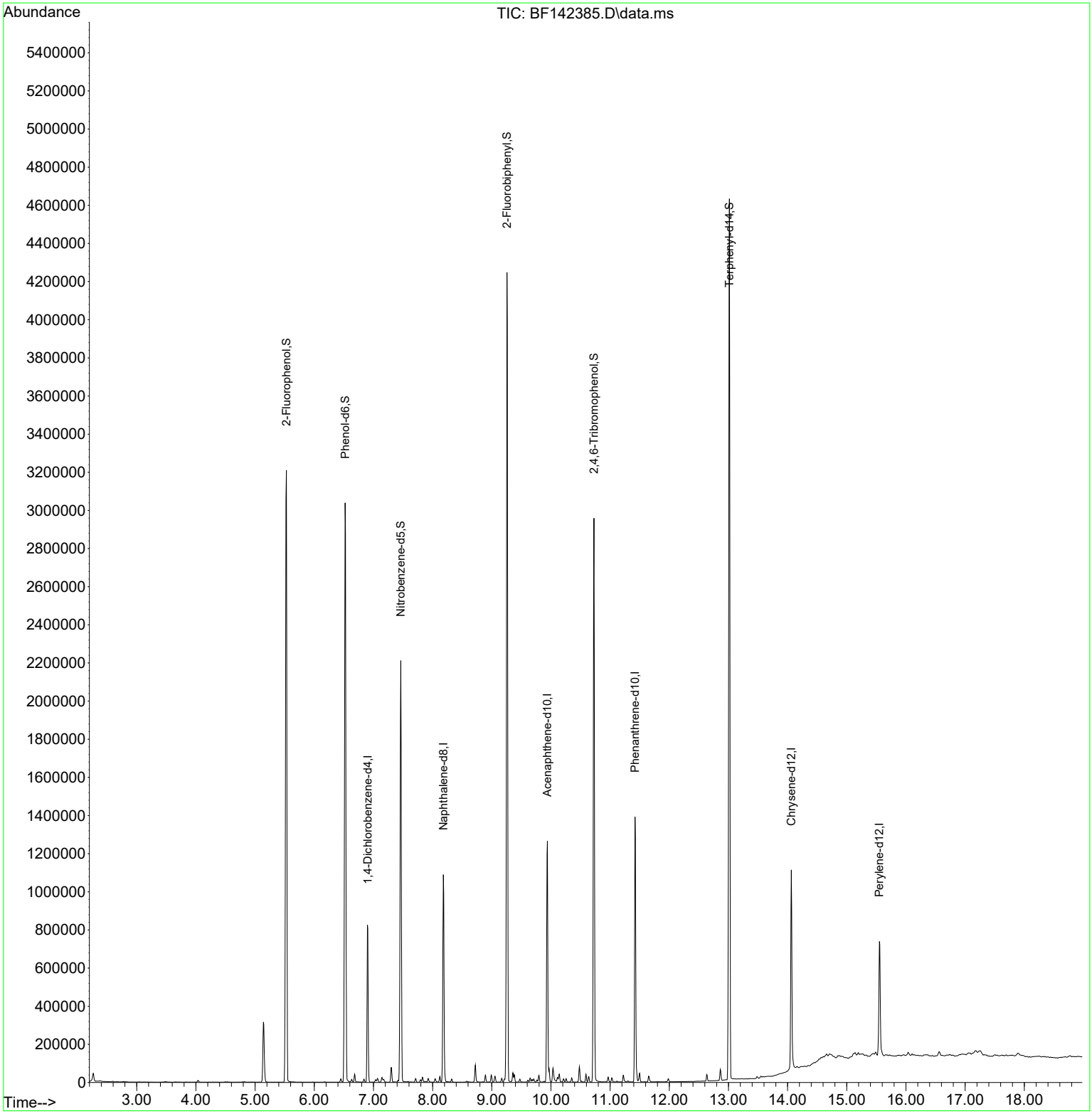
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	182996	20.000	ng	0.00
21) Naphthalene-d8	8.181	136	716318	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	391073	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	726822	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	497782	20.000	ng	0.00
86) Perylene-d12	15.551	264	375900	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	1351432	126.068	ng	0.02
7) Phenol-d6	6.522	99	1625642	123.299	ng	0.00
23) Nitrobenzene-d5	7.463	82	1009960	85.988	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	584610	154.833	ng	0.00
45) 2-Fluorobiphenyl	9.257	172	2044339	74.538	ng	0.00
79) Terphenyl-d14	13.016	244	2449976	72.848	ng	0.00
Target Compounds						Qvalue

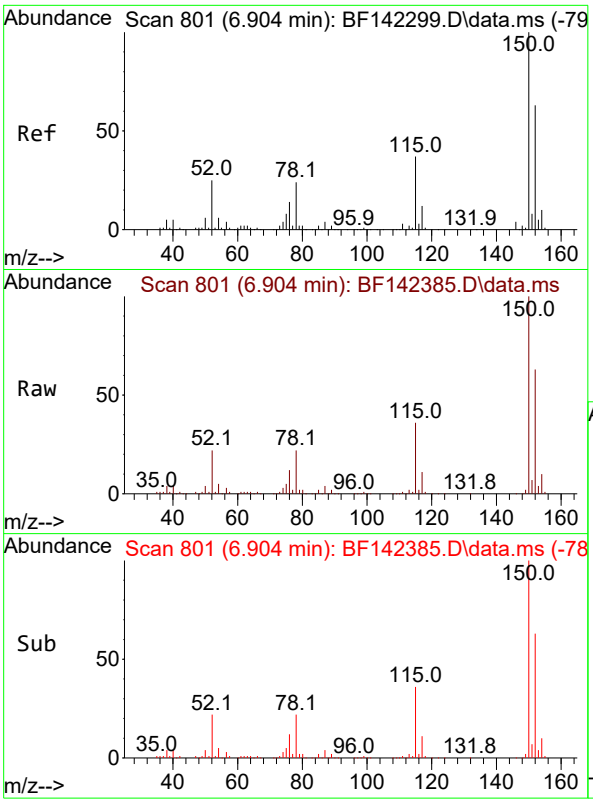
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142385.D
Acq On : 15 May 2025 10:37
Operator : RC/JU
Sample : PB167951BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167951BL

Quant Time: May 15 11:06:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration



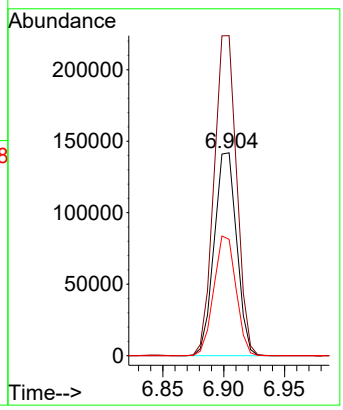


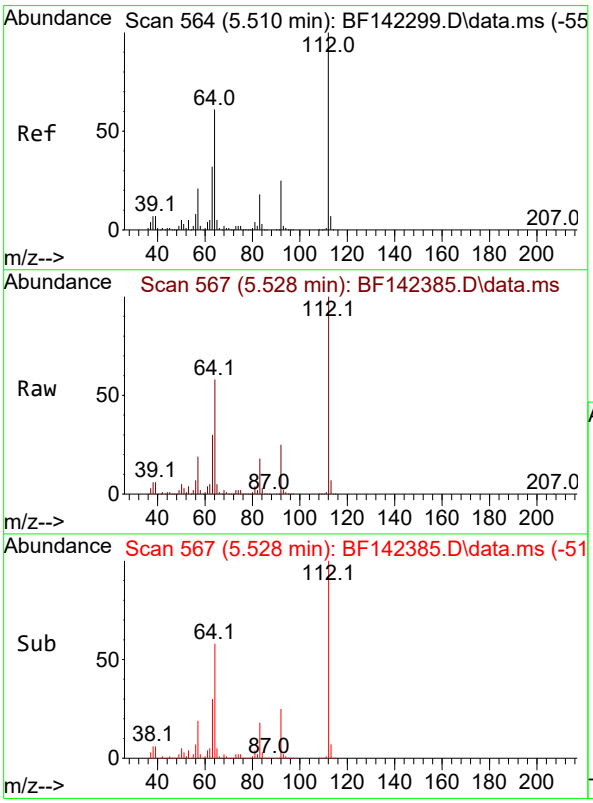
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142385.D
Acq: 15 May 2025 10:37

Instrument :
BNA_F
ClientSampleId :
PB167951BL

Tgt Ion:152 Resp: 182996

Ion	Ratio	Lower	Upper
152	100		
150	157.7	126.6	190.0
115	57.3	47.3	70.9

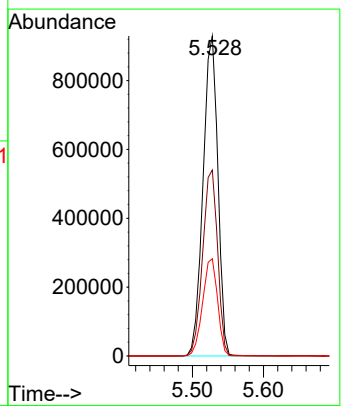


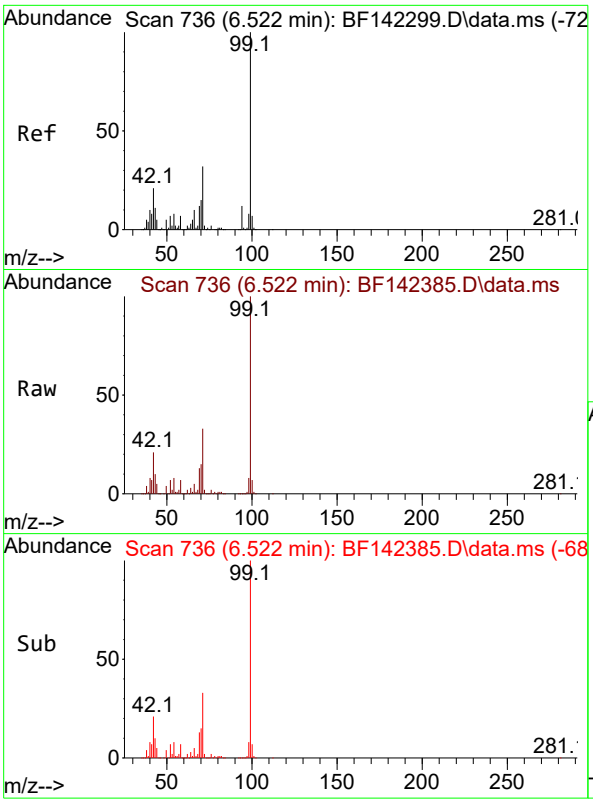


#5
2-Fluorophenol
Concen: 126.068 ng
RT: 5.528 min Scan# 567
Delta R.T. 0.018 min
Lab File: BF142385.D
Acq: 15 May 2025 10:37

Tgt Ion:112 Resp: 1351432

Ion	Ratio	Lower	Upper
112	100		
64	58.1	48.9	73.3
63	30.4	25.6	38.4



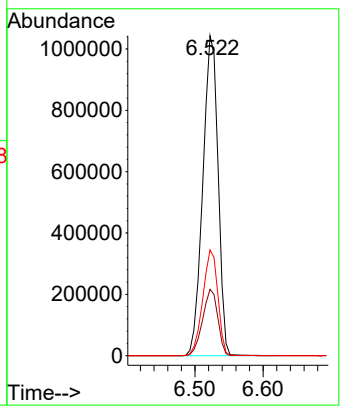


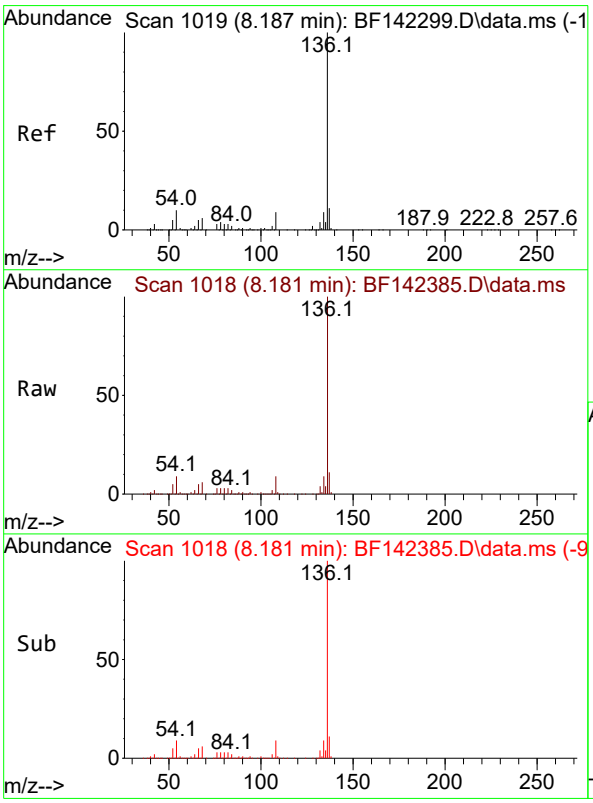
#7
Phenol-d6
Concen: 123.299 ng
RT: 6.522 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142385.D
Acq: 15 May 2025 10:37

Instrument :
BNA_F
ClientSampleId :
PB167951BL

Tgt Ion: 99 Resp: 1625642

Ion	Ratio	Lower	Upper
99	100		
42	20.8	17.0	25.4
71	33.1	25.8	38.8

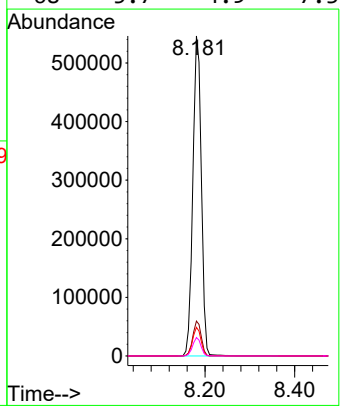


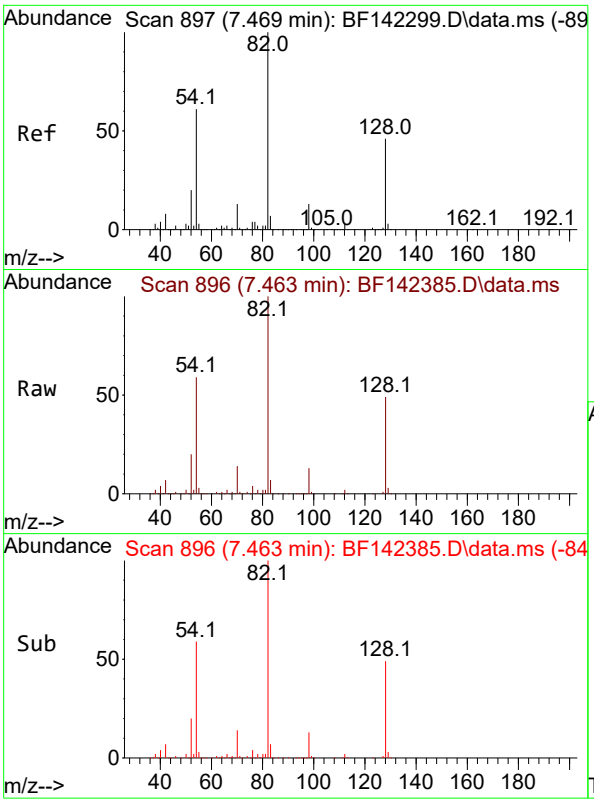


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.181 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BF142385.D
Acq: 15 May 2025 10:37

Tgt Ion:136 Resp: 716318

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.0	7.7	11.5
68	5.7	4.9	7.3



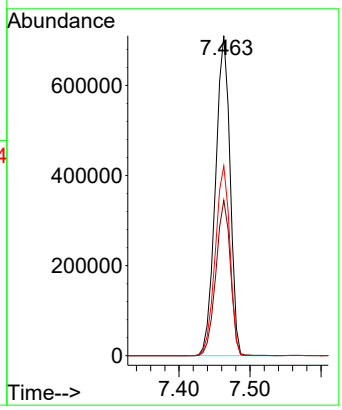


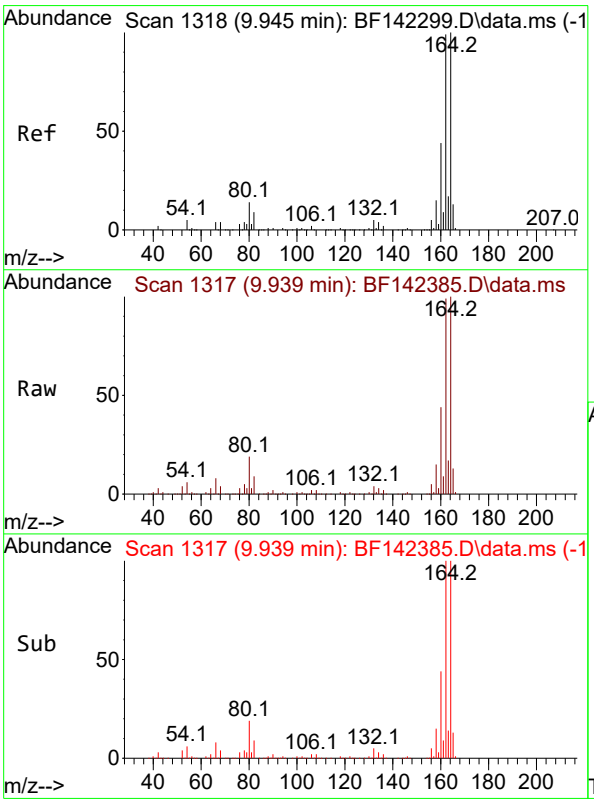
#23
Nitrobenzene-d5
Concen: 85.988 ng
RT: 7.463 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142385.D
Acq: 15 May 2025 10:37

Instrument :
BNA_F
ClientSampleId :
PB167951BL

Tgt Ion: 82 Resp: 1009960

Ion	Ratio	Lower	Upper
82	100		
128	48.6	37.0	55.6
54	59.3	48.6	73.0

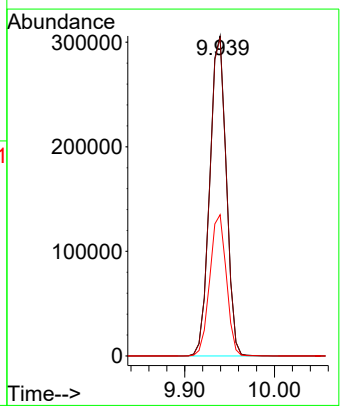


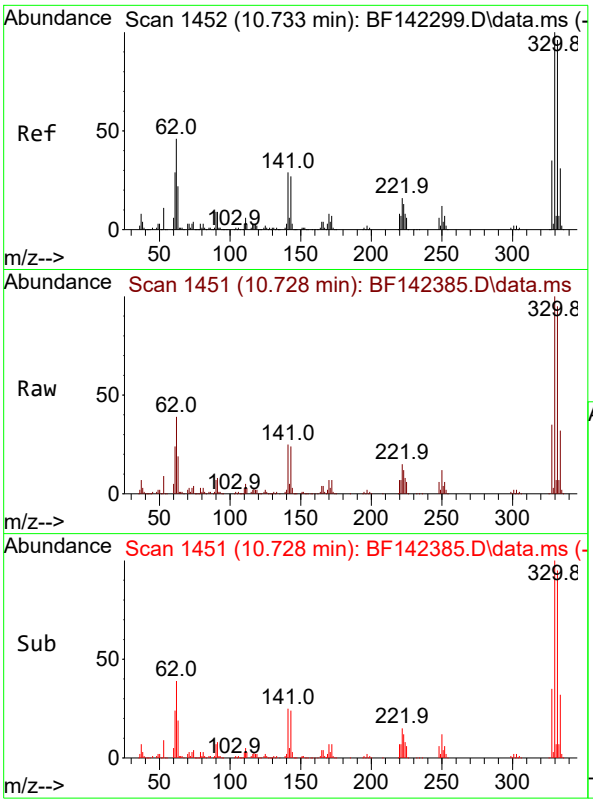


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142385.D
Acq: 15 May 2025 10:37

Tgt Ion:164 Resp: 391073

Ion	Ratio	Lower	Upper
164	100		
162	99.4	79.2	118.8
160	44.1	35.3	52.9



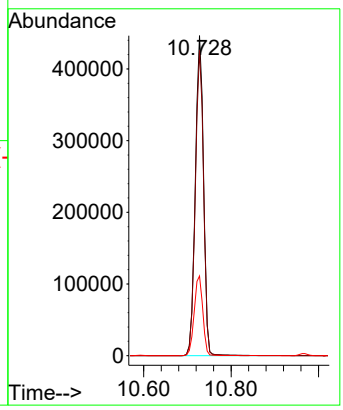


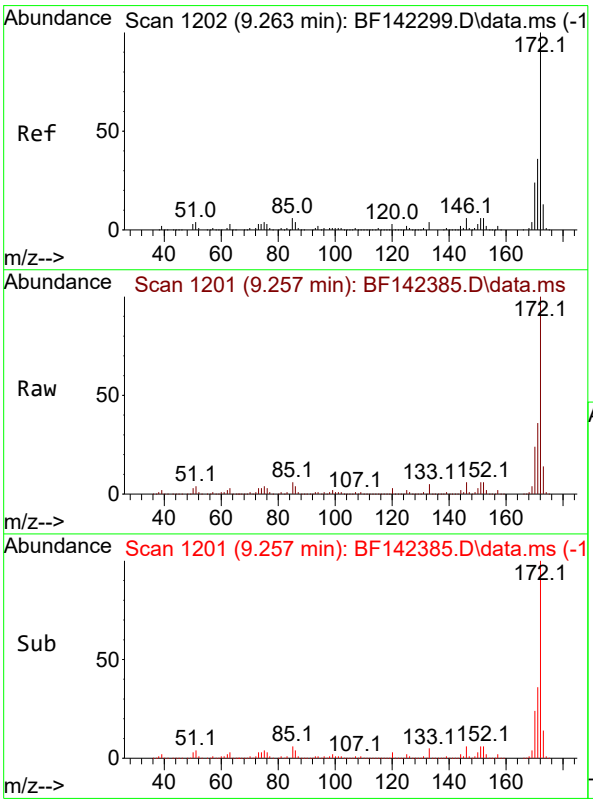
#42
2,4,6-Tribromophenol
Concen: 154.833 ng
RT: 10.728 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142385.D
Acq: 15 May 2025 10:37

Instrument :
BNA_F
ClientSampleId :
PB167951BL

Tgt Ion:330 Resp: 584610

Ion	Ratio	Lower	Upper
330	100		
332	95.5	76.8	115.2
141	26.0	24.9	37.3

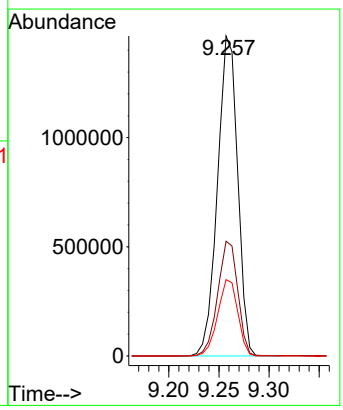


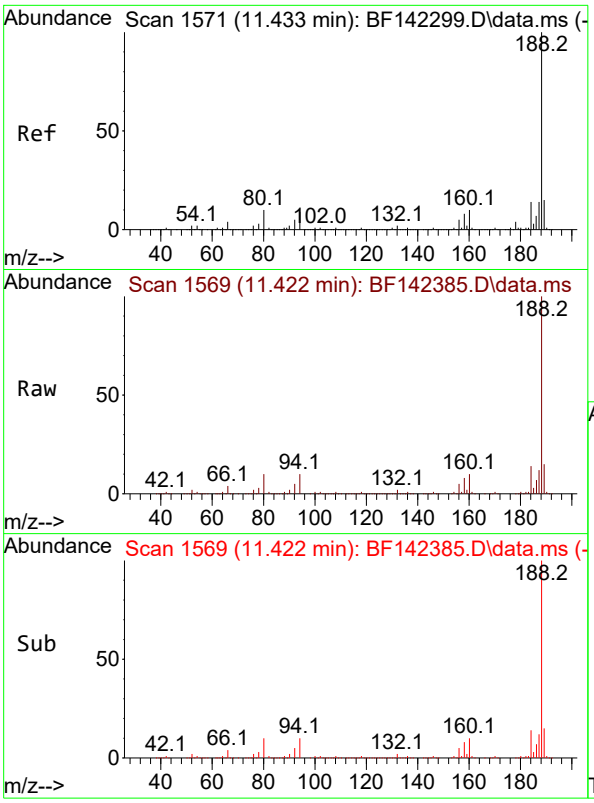


#45
2-Fluorobiphenyl
Concen: 74.538 ng
RT: 9.257 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF142385.D
Acq: 15 May 2025 10:37

Tgt Ion:172 Resp: 2044339

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.6	42.8
170	23.9	19.0	28.4



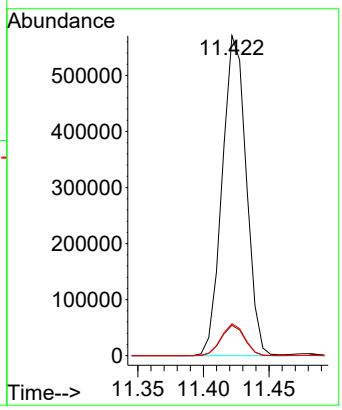


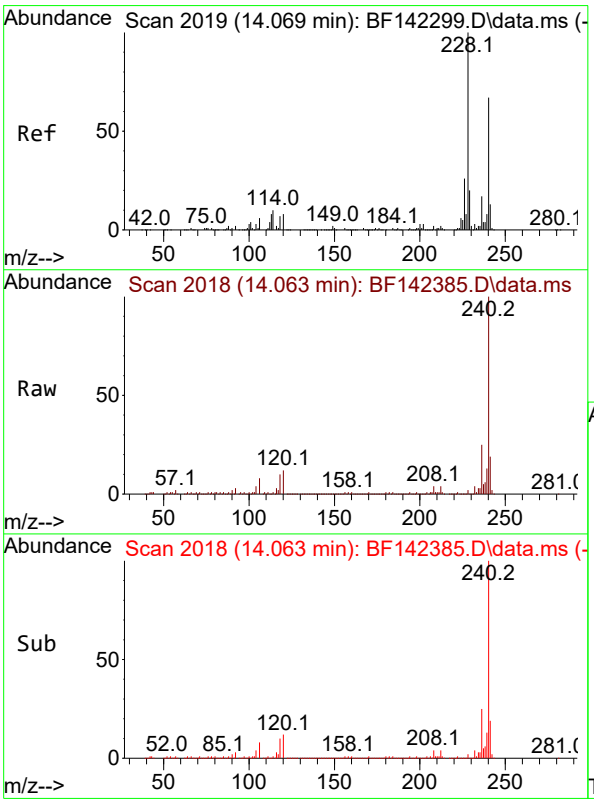
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142385.D
Acq: 15 May 2025 10:37

Instrument :
BNA_F
ClientSampleId :
PB167951BL

Tgt Ion:188 Resp: 726822

Ion	Ratio	Lower	Upper
188	100		
94	9.5	7.5	11.3
80	10.0	7.9	11.9

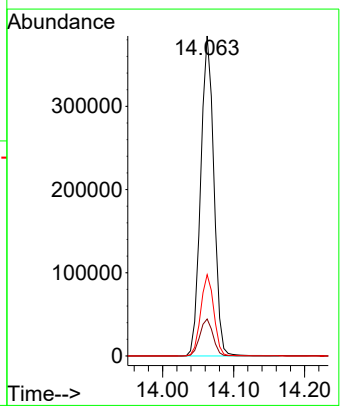


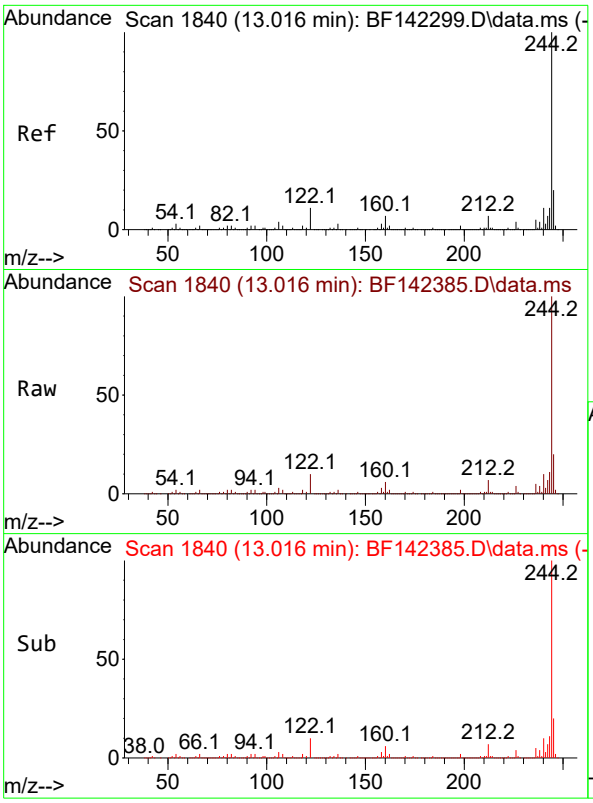


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142385.D
Acq: 15 May 2025 10:37

Tgt Ion:240 Resp: 497782

Ion	Ratio	Lower	Upper
240	100		
120	11.5	9.7	14.5
236	25.4	20.0	30.0



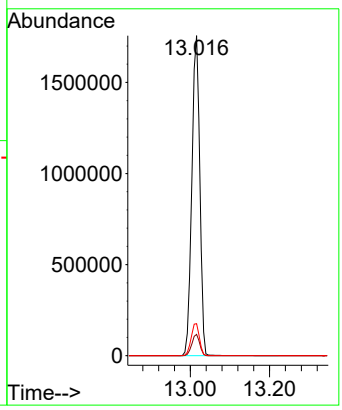


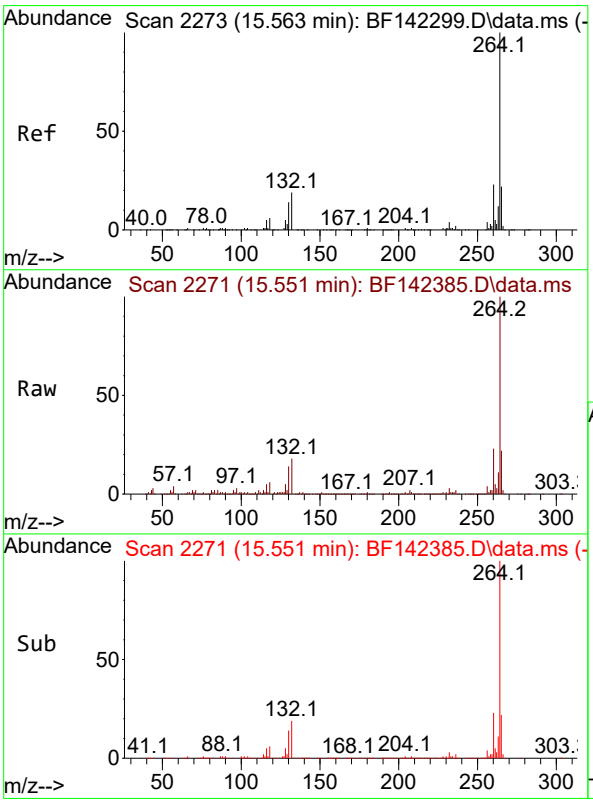
#79
Terphenyl-d14
Concen: 72.848 ng
RT: 13.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142385.D
Acq: 15 May 2025 10:37

Instrument :
BNA_F
ClientSampleId :
PB167951BL

Tgt Ion:244 Resp: 2449976

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.2
122	10.0	9.0	13.4

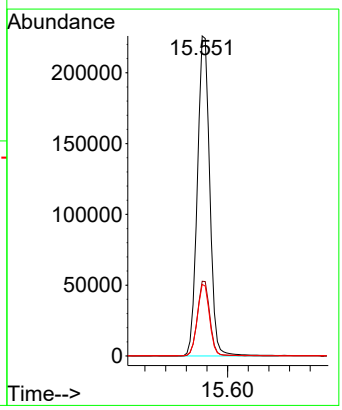




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.551 min Scan# 2271
Delta R.T. -0.012 min
Lab File: BF142385.D
Acq: 15 May 2025 10:37

Tgt Ion:264 Resp: 375900

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.6	27.8
265	22.4	17.5	26.3



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142385.D
Acq On : 15 May 2025 10:37
Operator : RC/JU
Sample : PB167951BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167951BL

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-BF050525.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF142385.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.263	3	12	18	rBV	40875	70508	1.09%	0.183%
2	5.140	492	501	517	rBV	315249	528552	8.20%	1.374%
3	5.528	560	567	572	rBV	3209042	4690335	72.72%	12.196%
4	6.522	729	736	742	rBV	3037969	4768757	73.94%	12.400%
5	6.898	795	800	809	rVB	824336	1073304	16.64%	2.791%
6	7.304	863	869	878	rBV	76837	110048	1.71%	0.286%
7	7.463	889	896	901	rBV	2204553	3136740	48.64%	8.156%
8	8.181	1012	1018	1026	rBV	1087891	1456008	22.58%	3.786%
9	8.722	1099	1110	1121	rBV	89463	119509	1.85%	0.311%
10	9.257	1195	1201	1207	rVB	4240698	5838293	90.52%	15.181%
11	9.939	1311	1317	1321	rBV	1263764	1653635	25.64%	4.300%
12	10.034	1328	1333	1343	rBV	72282	128757	2.00%	0.335%
13	10.481	1404	1409	1413	rBV2	79545	104062	1.61%	0.271%
14	10.728	1444	1451	1456	rBV	2956335	3958111	61.37%	10.292%
15	11.422	1564	1569	1577	rBV	1389501	1825418	28.30%	4.747%
16	12.863	1810	1814	1819	rBV	58273	74112	1.15%	0.193%
17	13.016	1833	1840	1845	rBV	4620198	6449434	100.00%	16.770%
18	14.063	2012	2018	2030	rBV	1042819	1458002	22.61%	3.791%
19	15.551	2266	2271	2284	rVB	599276	1013551	15.72%	2.636%

Sum of corrected areas: 38457136

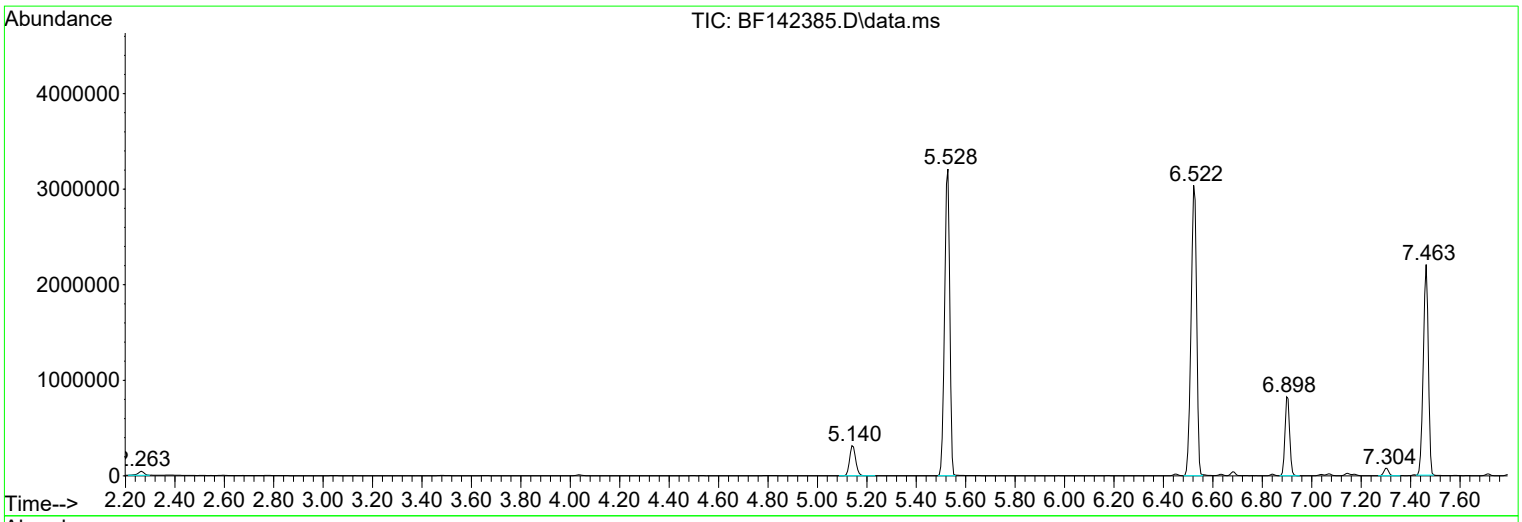
Sample Results: **BF142385.D**

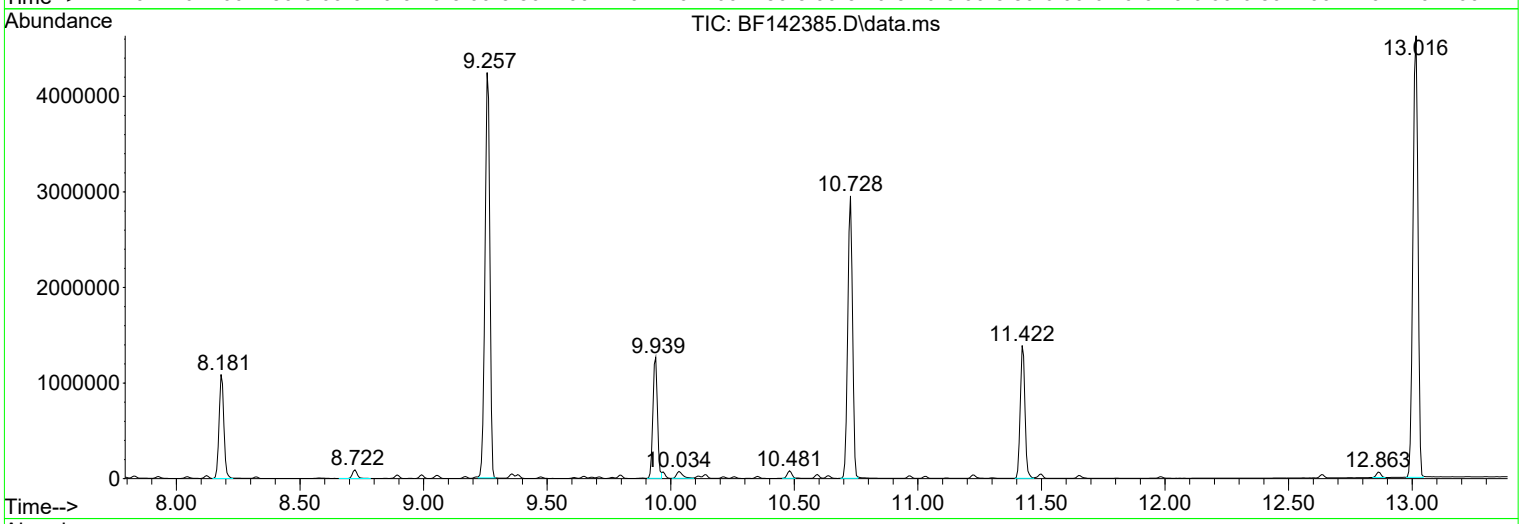
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142385.D
Acq On : 15 May 2025 10:37
Operator : RC/JU
Sample : PB167951BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

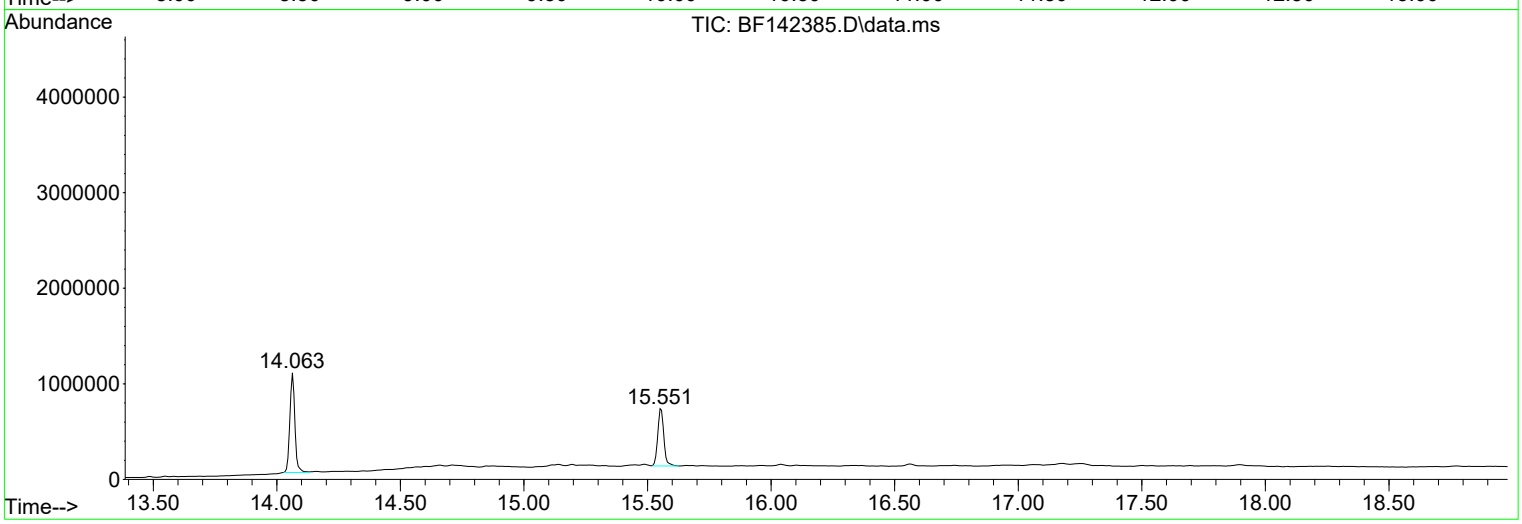
Instrument :
BNA_F
ClientSampleId :
PB167951BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.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\BF051525\
Data File : BF142385.D
Acq On : 15 May 2025 10:37
Operator : RC/JU
Sample : PB167951BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167951BL

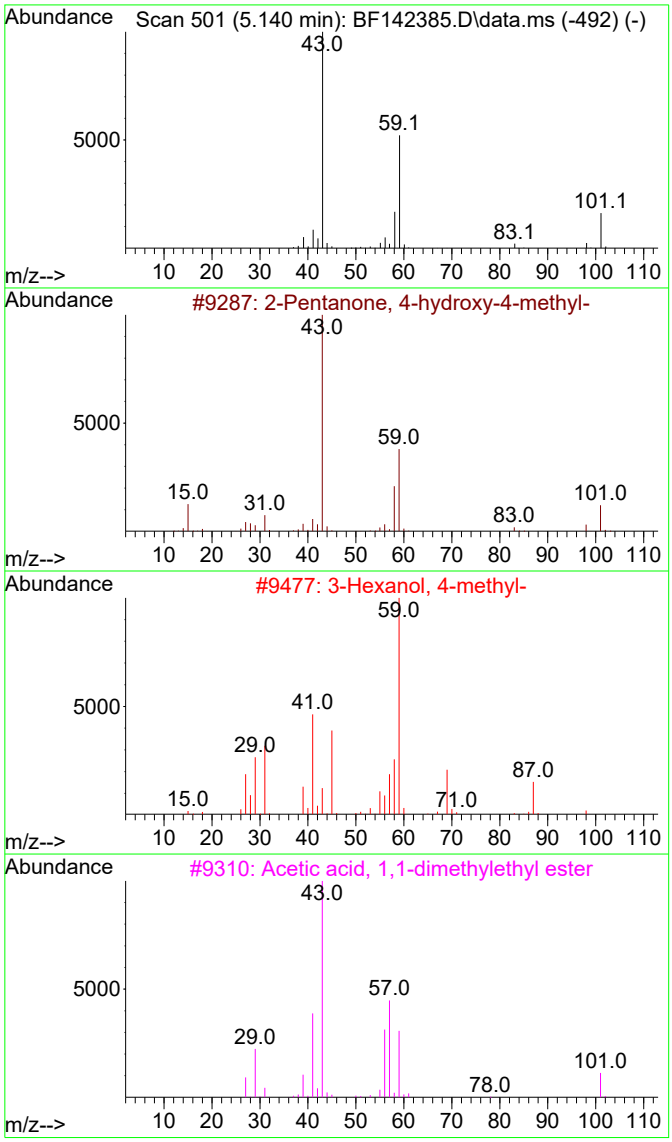
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

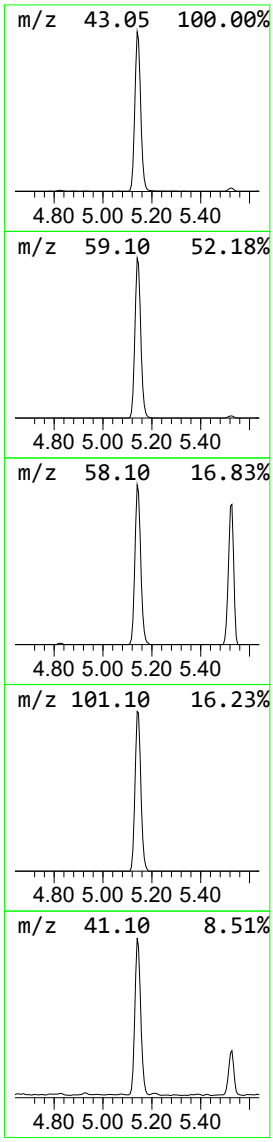
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.140	9.85 ng	528552	1,4-Dichlorobenzene-d4	6.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	33
3	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	17
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	12
5	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	10





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142385.D
Acq On : 15 May 2025 10:37
Operator : RC/JU
Sample : PB167951BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167951BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

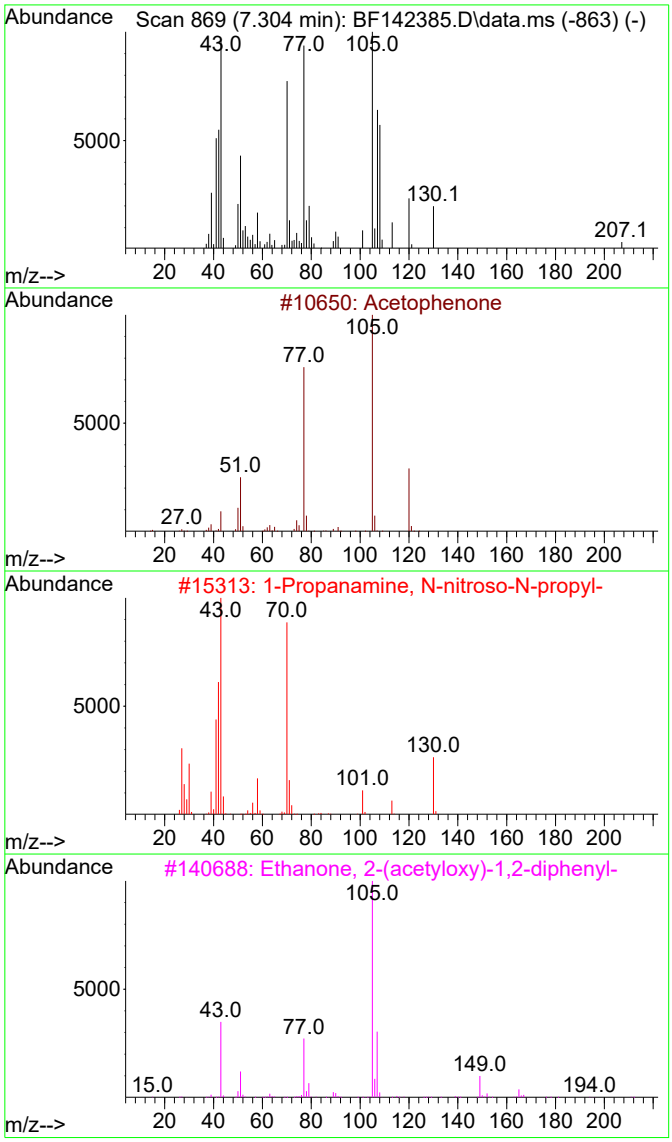
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

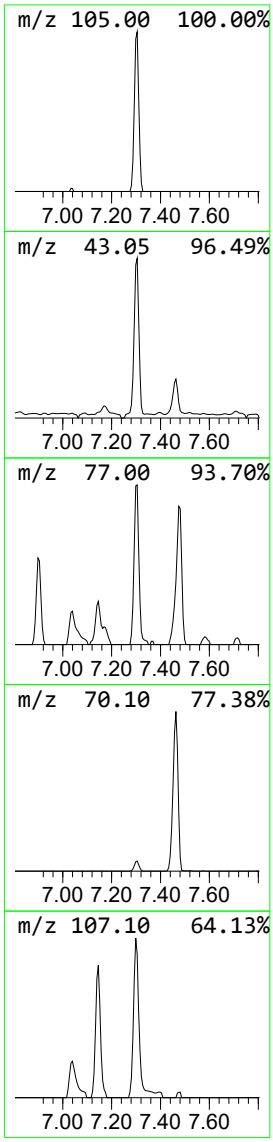
****

Peak Number 2 unknown7.304 Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.304	2.05 ng	110048	1,4-Dichlorobenzene-d4	6.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Acetophenone	120	C8H8O	000098-86-2	42
2	1-Propanamine, N-nitroso-N-propyl-	130	C6H14N2O	000621-64-7	38
3	Ethanone, 2-(acetyloxy)-1,2-diph...	254	C16H14O3	000574-06-1	27
4	Phenol, 3-methyl-	108	C7H8O	000108-39-4	25
5	Ethanone, 2,2,2-trifluoro-1-phenyl-	174	C8H5F3O	000434-45-7	22





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142385.D
Acq On : 15 May 2025 10:37
Operator : RC/JU
Sample : PB167951BL
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167951BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.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-...	5.140	9.8	ng	528552	1	6.904	1073300	20.0
unknown7.304	7.304	2.0	ng	110048	1	6.904	1073300	20.0

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

Report of Analysis

Client:	Tetra Tech NUS, Inc.	Date Collected:	
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	
Client Sample ID:	PB167951BS	SDG No.:	Q1985
Lab Sample ID:	PB167951BS	Matrix:	Water
Analytical Method:	8270E	% 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
BF142386.D	1	05/12/25 08:40	05/15/25 11:06	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	39.2		3.90	8.00	10.0	ug/L
108-95-2	Phenol	44.5		0.91	4.00	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	34.7		0.81	4.00	5.00	ug/L
95-57-8	2-Chlorophenol	44.6		0.58	4.00	5.00	ug/L
95-48-7	2-Methylphenol	43.0		1.10	4.00	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	38.8		1.30	4.00	5.00	ug/L
98-86-2	Acetophenone	41.2		0.74	4.00	5.00	ug/L
65794-96-9	3+4-Methylphenols	42.8		1.10	8.00	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	41.2		1.40	2.50	2.50	ug/L
67-72-1	Hexachloroethane	42.3		0.65	4.00	5.00	ug/L
98-95-3	Nitrobenzene	44.9		0.76	4.00	5.00	ug/L
78-59-1	Isophorone	42.0		0.75	4.00	5.00	ug/L
88-75-5	2-Nitrophenol	50.6		1.80	4.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	44.4		1.90	4.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	41.0		0.68	4.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	46.6		0.52	4.00	5.00	ug/L
91-20-3	Naphthalene	41.8		0.50	4.00	5.00	ug/L
106-47-8	4-Chloroaniline	8.80		0.84	4.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	43.7		0.54	4.00	5.00	ug/L
105-60-2	Caprolactam	51.4		1.10	8.00	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	47.5		0.59	4.00	5.00	ug/L
91-57-6	2-Methylnaphthalene	42.2		0.56	4.00	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	90.2	E	3.60	8.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	47.6		0.51	4.00	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	47.2		0.62	4.00	5.00	ug/L
92-52-4	1,1-Biphenyl	41.1		0.53	4.00	5.00	ug/L
91-58-7	2-Chloronaphthalene	41.2		0.61	4.00	5.00	ug/L
88-74-4	2-Nitroaniline	50.4		1.30	4.00	5.00	ug/L
131-11-3	Dimethylphthalate	44.5		0.61	4.00	5.00	ug/L

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:	PB167951BS	SDG No.:	Q1985
Lab Sample ID:	PB167951BS	Matrix:	Water
Analytical Method:	8270E	% 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
BF142386.D	1	05/12/25 08:40	05/15/25 11:06	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	42.0		0.75	4.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	53.5		0.92	4.00	5.00	ug/L
99-09-2	3-Nitroaniline	26.9		1.10	4.00	5.00	ug/L
83-32-9	Acenaphthene	47.1		0.55	4.00	5.00	ug/L
51-28-5	2,4-Dinitrophenol	120	E	6.00	8.00	10.0	ug/L
100-02-7	4-Nitrophenol	110	E	2.40	8.00	10.0	ug/L
132-64-9	Dibenzofuran	41.5		0.61	4.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	57.7		1.20	4.00	5.00	ug/L
84-66-2	Diethylphthalate	44.2		0.69	4.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	42.6		0.68	4.00	5.00	ug/L
86-73-7	Fluorene	41.7		0.63	4.00	5.00	ug/L
100-01-6	4-Nitroaniline	58.5		1.50	4.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	55.9		2.90	8.00	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	42.0		0.58	4.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	43.6		0.40	4.00	5.00	ug/L
118-74-1	Hexachlorobenzene	44.1		0.52	4.00	5.00	ug/L
1912-24-9	Atrazine	49.0		1.00	4.00	5.00	ug/L
87-86-5	Pentachlorophenol	110	E	1.60	8.00	10.0	ug/L
85-01-8	Phenanthrene	42.0		0.50	4.00	5.00	ug/L
120-12-7	Anthracene	41.4		0.61	4.00	5.00	ug/L
86-74-8	Carbazole	42.1		0.72	4.00	5.00	ug/L
84-74-2	Di-n-butylphthalate	45.7		1.20	4.00	5.00	ug/L
206-44-0	Fluoranthene	41.5		0.82	4.00	5.00	ug/L
129-00-0	Pyrene	46.2		0.50	4.00	5.00	ug/L
85-68-7	Butylbenzylphthalate	48.2		1.90	4.00	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	38.3		0.93	8.00	10.0	ug/L
56-55-3	Benzo(a)anthracene	43.7		0.45	4.00	5.00	ug/L
218-01-9	Chrysene	43.5		0.44	4.00	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	48.0		1.60	4.00	5.00	ug/L
117-84-0	Di-n-octyl phthalate	49.2		2.30	8.00	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	43.2		0.49	4.00	5.00	ug/L

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:	PB167951BS	SDG No.:	Q1985
Lab Sample ID:	PB167951BS	Matrix:	Water
Analytical Method:	8270E	% 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
BF142386.D	1	05/12/25 08:40	05/15/25 11:06	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	43.6		0.48	4.00	5.00	ug/L
50-32-8	Benzo(a)pyrene	46.1		0.55	4.00	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	45.6		0.59	4.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	45.4		0.67	4.00	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	44.4		0.69	4.00	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	41.4		0.52	4.00	5.00	ug/L
123-91-1	1,4-Dioxane	31.9		1.00	4.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	50.6		0.72	4.00	5.00	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	119		19 - 119		80%	SPK: 150
13127-88-3	Phenol-d6	117		10 - 130		78%	SPK: 150
4165-60-0	Nitrobenzene-d5	81.6		44 - 120		82%	SPK: 100
321-60-8	2-Fluorobiphenyl	71.6		44 - 119		72%	SPK: 100
118-79-6	2,4,6-Tribromophenol	142		43 - 140		95%	SPK: 150
1718-51-0	Terphenyl-d14	79.3		50 - 134		79%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	184000	6.904				
1146-65-2	Naphthalene-d8	709000	8.187				
15067-26-2	Acenaphthene-d10	390000	9.939				
1517-22-2	Phenanthrene-d10	684000	11.428				
1719-03-5	Chrysene-d12	359000	14.069				
1520-96-3	Perylene-d12	373000	15.557				

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\BF051525\
Data File : BF142386.D
Acq On : 15 May 2025 11:06
Operator : RC/JU
Sample : PB167951BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Quant Time: May 15 12:17:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	183759	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	709461	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	390383	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	683655	20.000	ng	0.00
76) Chrysene-d12	14.069	240	358537	20.000	ng	0.00
86) Perylene-d12	15.557	264	373046	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	1284437	119.321	ng	0.02
7) Phenol-d6	6.528	99	1553880	117.366	ng	0.00
23) Nitrobenzene-d5	7.469	82	948826	81.564	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	536451	142.330	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	1960008	71.589	ng	0.00
79) Terphenyl-d14	13.016	244	1921973	79.343	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.787	88	154852	31.945	ng	98
3) Pyridine	3.534	79	419284	36.841	ng	99
4) n-Nitrosodimethylamine	3.487	42	256246	38.740	ng	99
6) Aniline	6.569	93	561568	43.244	ng	98
8) 2-Chlorophenol	6.687	128	512971	44.594	ng	98
9) Benzaldehyde	6.451	77	303883	39.217	ng	100
10) Phenol	6.545	94	624910	44.528	ng	94
11) bis(2-Chloroethyl)ether	6.640	93	480788	34.740	ng	99
12) 1,3-Dichlorobenzene	6.845	146	534851	40.642	ng	98
13) 1,4-Dichlorobenzene	6.922	146	537927	40.711	ng	99
14) 1,2-Dichlorobenzene	7.075	146	523399	41.268	ng	99
15) Benzyl Alcohol	7.040	79	411059	47.948	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.175	45	801766	38.795	ng	99
17) 2-Methylphenol	7.151	107	400813	43.038	ng	99
18) Hexachloroethane	7.416	117	185824	42.268	ng	99
19) n-Nitroso-di-n-propyla...	7.316	70	337716	41.238	ng	99
20) 3+4-Methylphenols	7.304	107	497423	42.797	ng	92
22) Acetophenone	7.310	105	649406	41.168	ng	94
24) Nitrobenzene	7.487	77	492634	44.925	ng	97
25) Isophorone	7.722	82	924519	41.969	ng	100
26) 2-Nitrophenol	7.798	139	268958	50.641	ng	99
27) 2,4-Dimethylphenol	7.834	122	491276	44.357	ng	100
28) bis(2-Chloroethoxy)met...	7.934	93	581272	41.036	ng	100
29) 2,4-Dichlorophenol	8.040	162	438536	46.573	ng	99
30) 1,2,4-Trichlorobenzene	8.128	180	456485	43.077	ng	99
31) Naphthalene	8.210	128	1435630	41.752	ng	100
32) Benzoic acid	7.957	122	327035	53.296	ng	99
33) 4-Chloroaniline	8.257	127	122812m	8.753	ng	
34) Hexachlorobutadiene	8.322	225	273992	43.664	ng	99
35) Caprolactam	8.622	113	141106m	51.419	ng	
36) 4-Chloro-3-methylphenol	8.734	107	464569	47.463	ng	99
37) 2-Methylnaphthalene	8.898	142	901910	42.213	ng	99
38) 1-Methylnaphthalene	8.998	142	935769	42.021	ng	100
40) 1,2,4,5-Tetrachloroben...	9.063	216	451848	41.442	ng	99
41) Hexachlorocyclopentadiene	9.051	237	607941	90.221	ng	99
43) 2,4,6-Trichlorophenol	9.175	196	327505	47.621	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142386.D
Acq On : 15 May 2025 11:06
Operator : RC/JU
Sample : PB167951BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Quant Time: May 15 12:17:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration

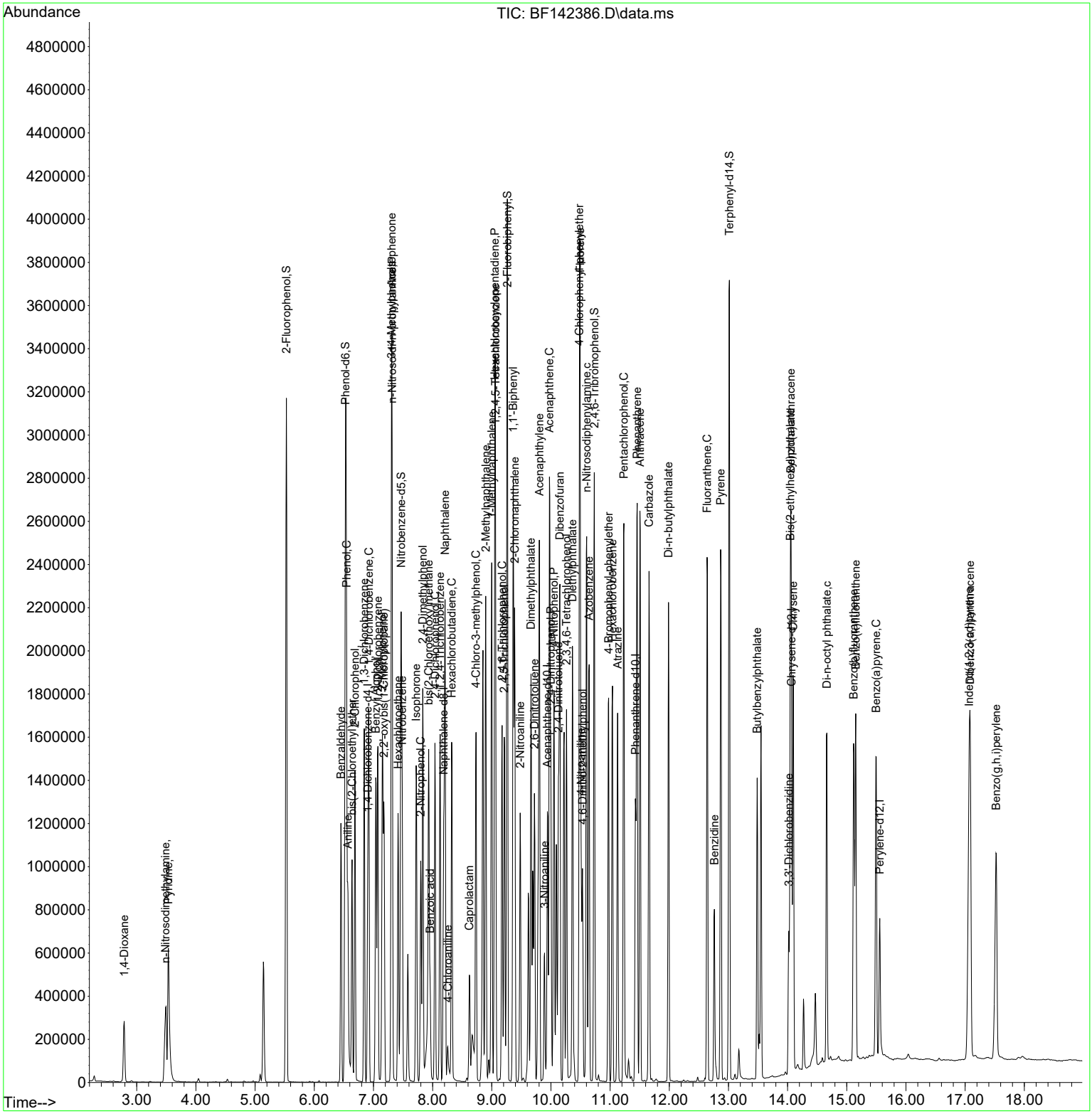
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	345379	47.199	ng		99
46) 1,1'-Biphenyl	9.363	154	1229160	41.065	ng		99
47) 2-Chloronaphthalene	9.386	162	916262	41.162	ng		100
48) 2-Nitroaniline	9.481	65	287593	50.405	ng		95
49) Acenaphthylene	9.804	152	1563555	41.988	ng		99
50) Dimethylphthalate	9.663	163	1114509	44.460	ng		100
51) 2,6-Dinitrotoluene	9.722	165	251258	53.548	ng		91
52) Acenaphthene	9.975	154	1053599	47.056	ng		99
53) 3-Nitroaniline	9.892	138	148171	26.925	ng		94
54) 2,4-Dinitrophenol	9.998	184	299083	117.829	ng	#	1
55) Dibenzofuran	10.151	168	1371115	41.493	ng		100
56) 4-Nitrophenol	10.051	139	464288	112.100	ng		97
57) 2,4-Dinitrotoluene	10.128	165	347454	57.728	ng		95
58) Fluorene	10.492	166	1051263	41.687	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	305641	50.597	ng		97
60) Diethylphthalate	10.363	149	1107155	44.226	ng		100
61) 4-Chlorophenyl-phenyle...	10.481	204	518059	42.581	ng		99
62) 4-Nitroaniline	10.510	138	255090	58.486	ng		99
63) Azobenzene	10.645	77	986822	41.252	ng		98
65) 4,6-Dinitro-2-methylph...	10.533	198	182627	55.913	ng		98
66) n-Nitrosodiphenylamine	10.604	169	955633	42.007	ng		100
67) 4-Bromophenyl-phenylether	10.975	248	337616	43.574	ng		96
68) Hexachlorobenzene	11.039	284	375531	44.062	ng		95
69) Atrazine	11.128	200	293766	48.987	ng		99
70) Pentachlorophenol	11.233	266	471856	105.241	ng		97
71) Phenanthrene	11.457	178	1503753	41.963	ng		100
72) Anthracene	11.504	178	1524726	41.409	ng		100
73) Carbazole	11.657	167	1390787	42.101	ng		100
74) Di-n-butylphthalate	11.986	149	1588510	45.730	ng		100
75) Fluoranthene	12.639	202	1487674	41.530	ng		100
77) Benzidine	12.763	184	473065	72.605	ng		97
78) Pyrene	12.869	202	1474683	46.209	ng		100
80) Butylbenzylphthalate	13.486	149	449443	48.238	ng		100
81) Benzo(a)anthracene	14.057	228	1014145	43.677	ng		99
82) 3,3'-Dichlorobenzidine	14.021	252	206951	38.327	ng		99
83) Chrysene	14.092	228	939233	43.452	ng		98
84) Bis(2-ethylhexyl)phtha...	14.045	149	581894	47.979	ng		100
85) Di-n-octyl phthalate	14.663	149	1080903	49.196	ng		98
87) Indeno(1,2,3-cd)pyrene	17.068	276	1184117	45.630	ng		98
88) Benzo(b)fluoranthene	15.116	252	975513	43.176	ng		100
89) Benzo(k)fluoranthene	15.151	252	902489	43.649	ng		100
90) Benzo(a)pyrene	15.498	252	932498	46.057	ng		98
91) Dibenzo(a,h)anthracene	17.086	278	974032	45.433	ng		98
92) Benzo(g,h,i)perylene	17.527	276	943811	44.356	ng		97

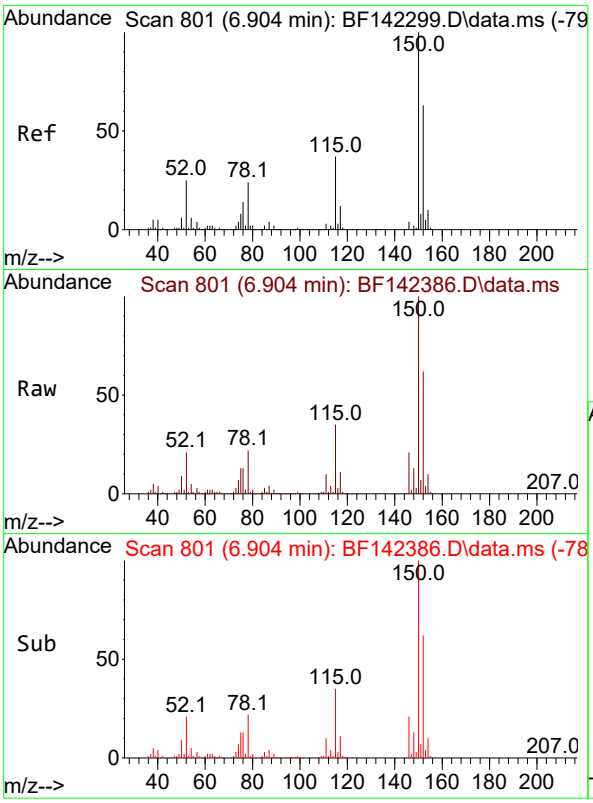
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142386.D
Acq On : 15 May 2025 11:06
Operator : RC/JU
Sample : PB167951BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Quant Time: May 15 12:17:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration



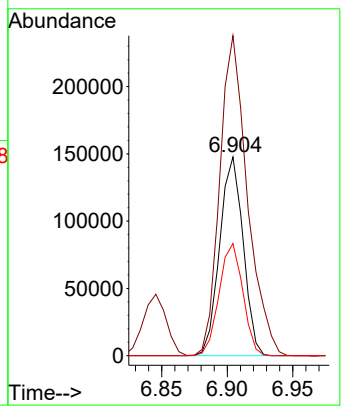


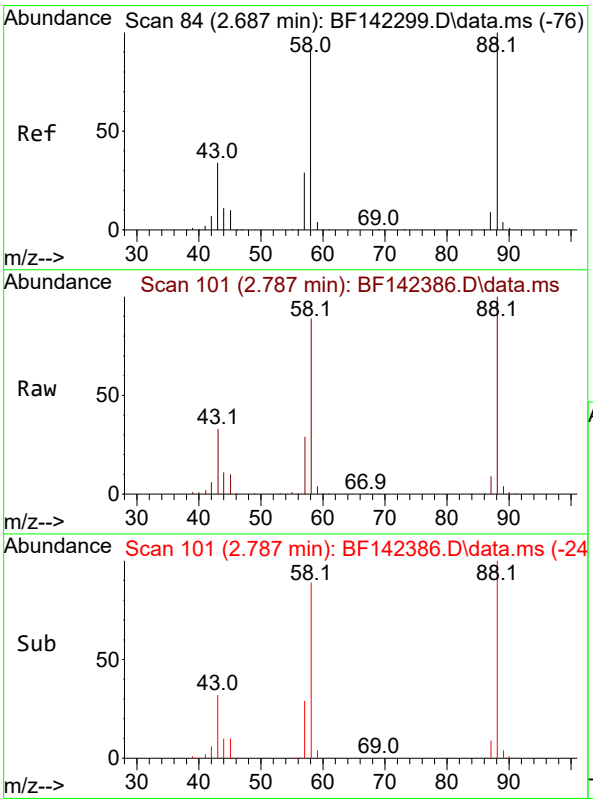
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:152 Resp: 183759

Ion	Ratio	Lower	Upper
152	100		
150	161.0	126.6	190.0
115	56.4	47.3	70.9

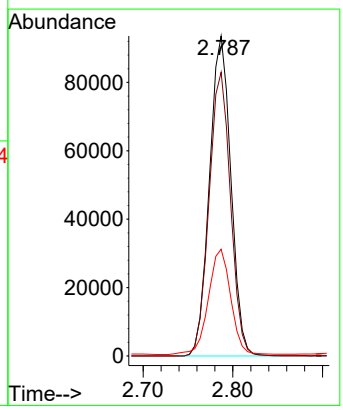


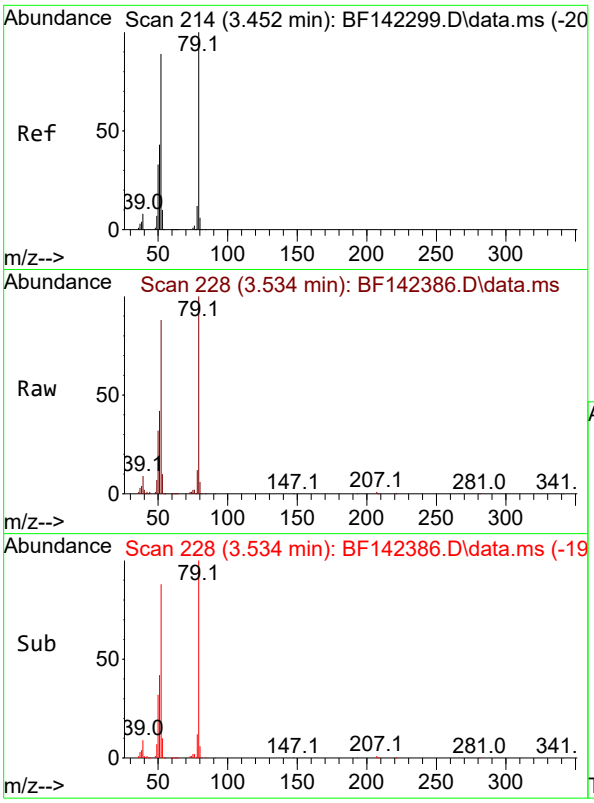


#2
1,4-Dioxane
Concen: 31.945 ng
RT: 2.787 min Scan# 101
Delta R.T. 0.100 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion: 88 Resp: 154852

Ion	Ratio	Lower	Upper
88	100		
58	88.9	73.0	109.4
43	34.5	27.8	41.6



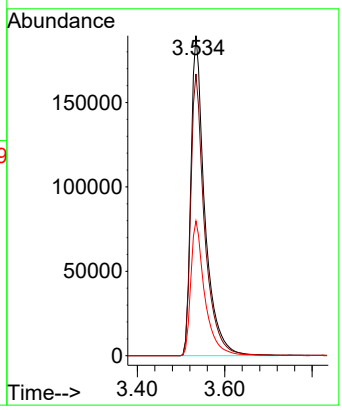


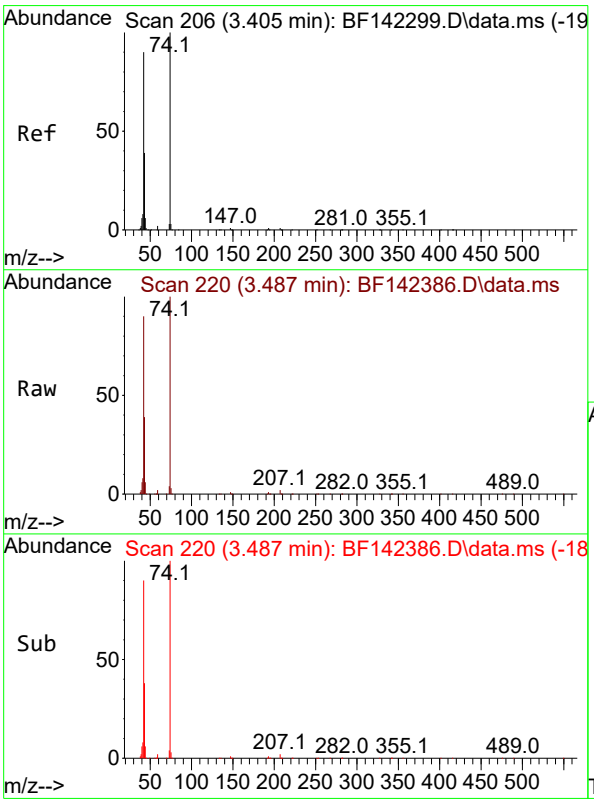
#3
Pyridine
Concen: 36.841 ng
RT: 3.534 min Scan# 2
Delta R.T. 0.082 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion: 79 Resp: 419284

Ion	Ratio	Lower	Upper
79	100		
52	88.0	71.0	106.4
51	42.1	34.9	52.3

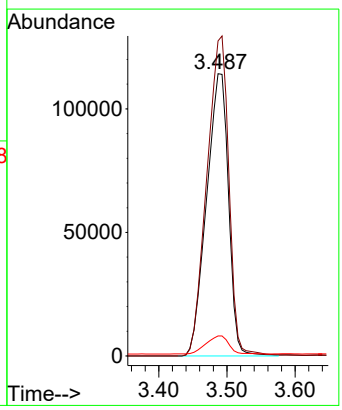


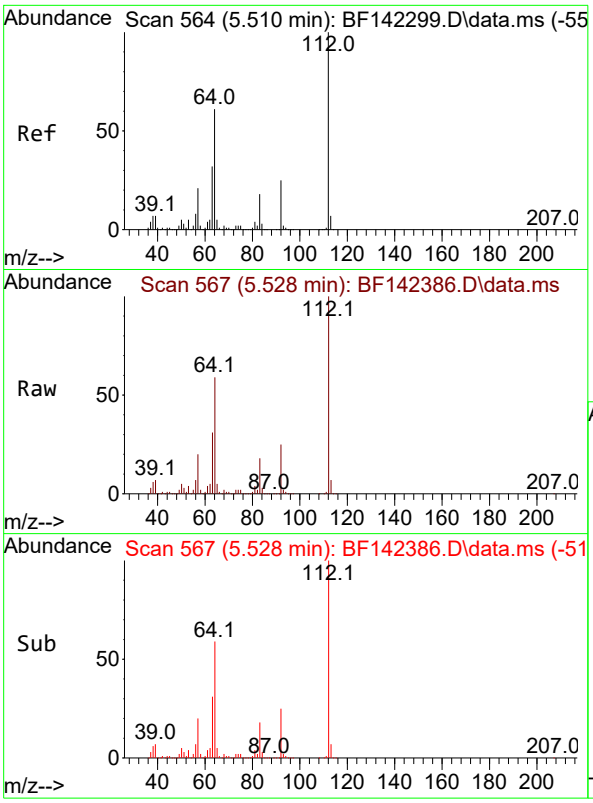


#4
n-Nitrosodimethylamine
Concen: 38.740 ng
RT: 3.487 min Scan# 220
Delta R.T. 0.082 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion: 42 Resp: 256246

Ion	Ratio	Lower	Upper
42	100		
74	111.6	88.5	132.7
44	7.1	5.8	8.8



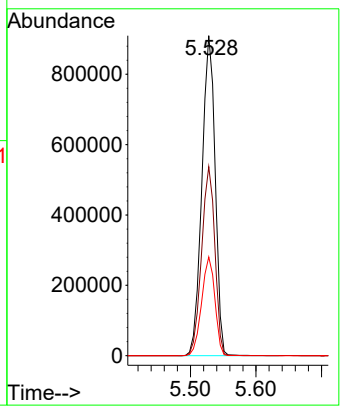


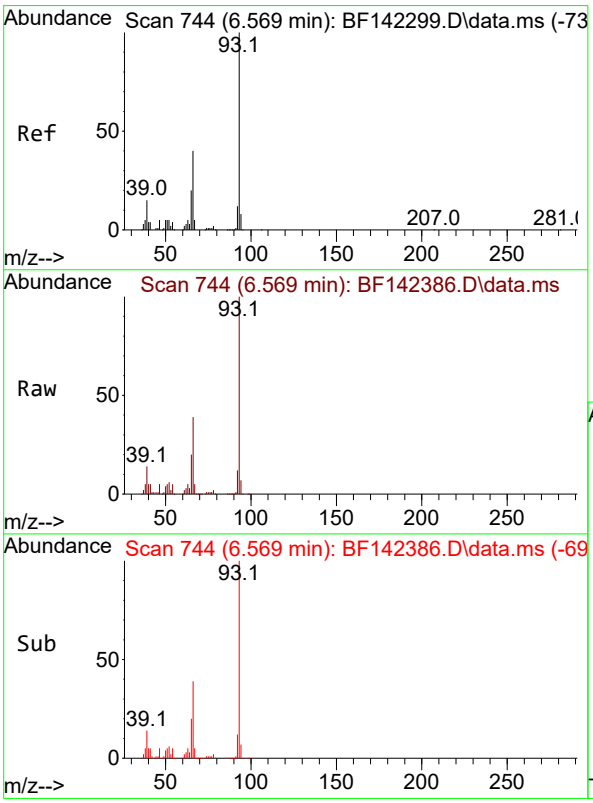
#5
2-Fluorophenol
Concen: 119.321 ng
RT: 5.528 min Scan# 5
Delta R.T. 0.018 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:112 Resp: 1284437

Ion	Ratio	Lower	Upper
112	100		
64	59.1	48.9	73.3
63	30.8	25.6	38.4

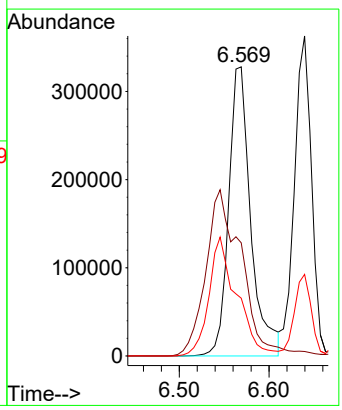


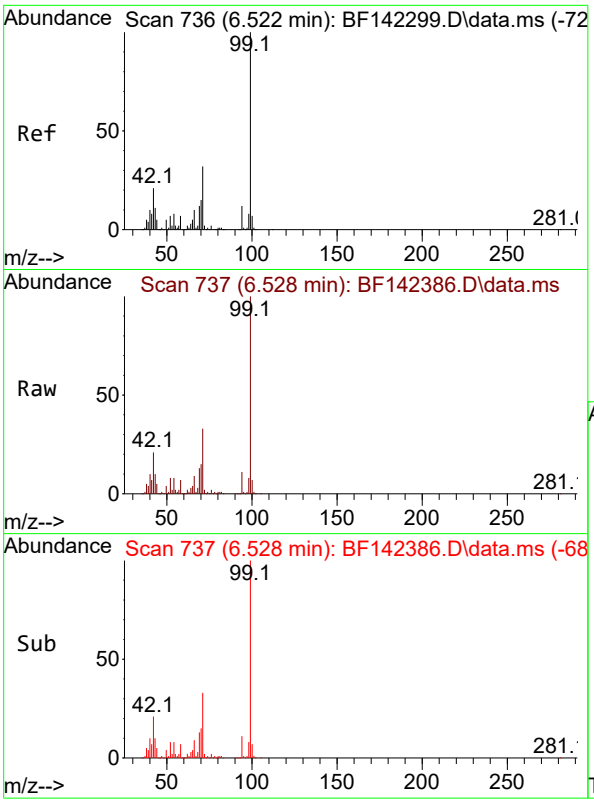


#6
Aniline
Concen: 43.244 ng
RT: 6.569 min Scan# 744
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion: 93 Resp: 561568

Ion	Ratio	Lower	Upper
93	100		
66	39.1	32.2	48.4
65	20.0	16.3	24.5



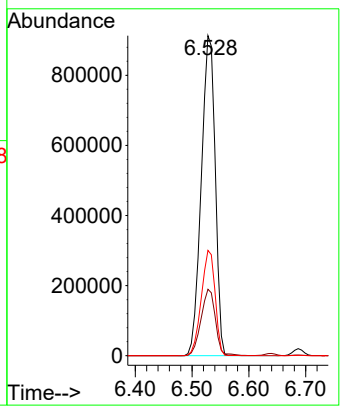


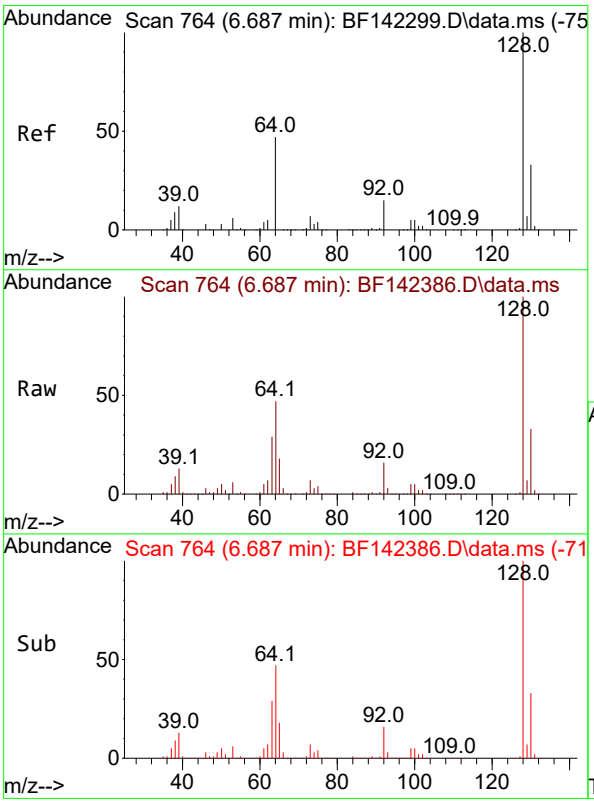
#7
Phenol-d6
Concen: 117.366 ng
RT: 6.528 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion: 99 Resp: 1553880

Ion	Ratio	Lower	Upper
99	100		
42	20.8	17.0	25.4
71	32.9	25.8	38.8

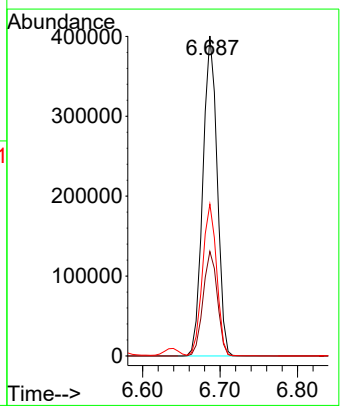


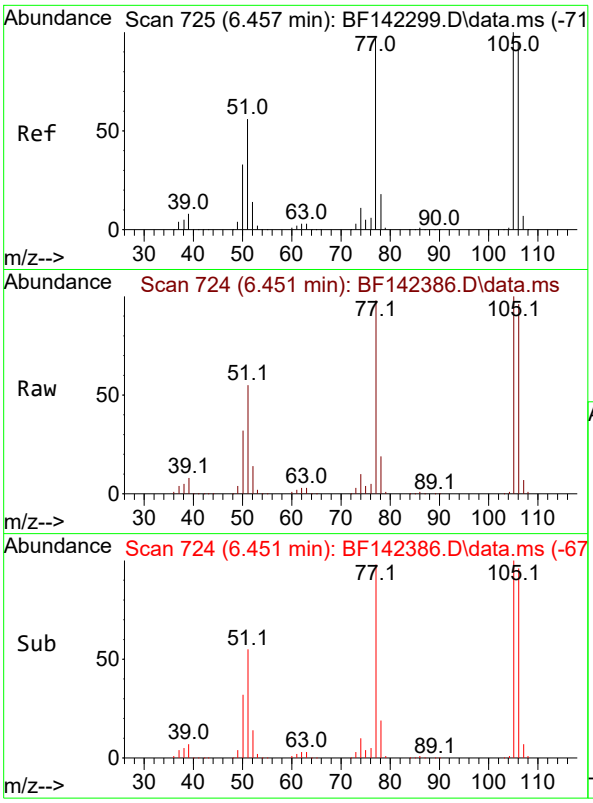


#8
2-Chlorophenol
Concen: 44.594 ng
RT: 6.687 min Scan# 764
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:128 Resp: 512971

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.7	52.7
64	47.5	29.2	69.2



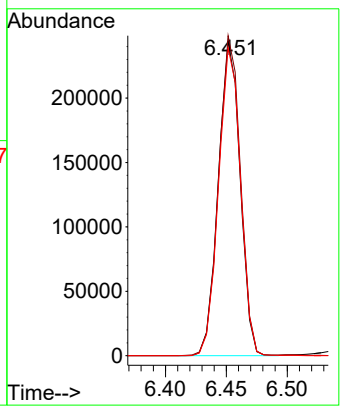


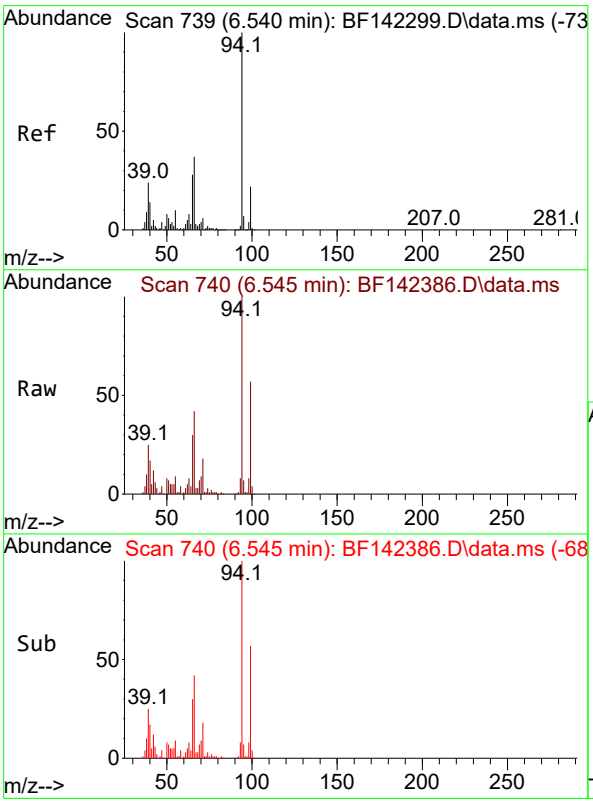
#9
Benzaldehyde
Concen: 39.217 ng
RT: 6.451 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion: 77 Resp: 303883

Ion	Ratio	Lower	Upper
77	100		
105	101.7	82.0	122.0
106	97.9	77.2	117.2

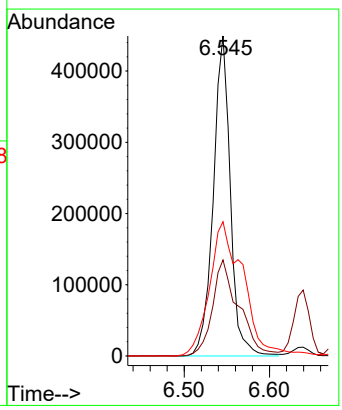


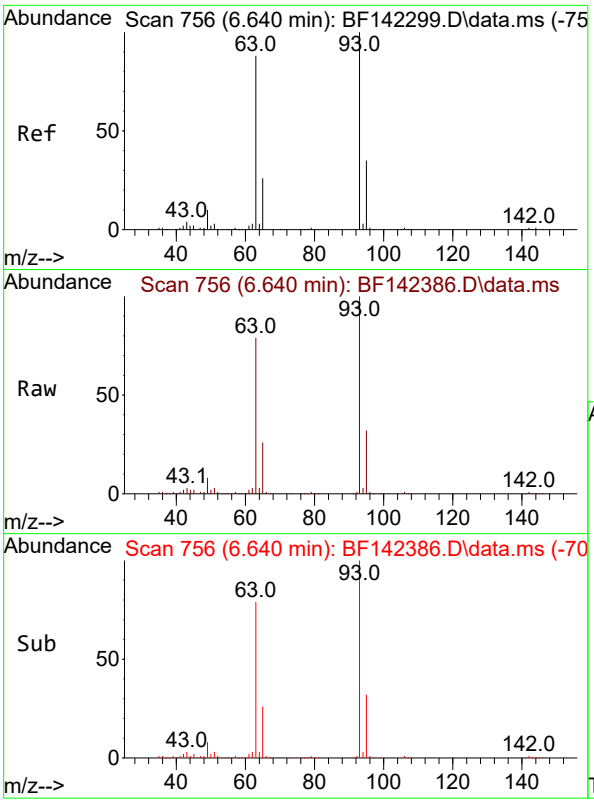


#10
Phenol
Concen: 44.528 ng
RT: 6.545 min Scan# 740
Delta R.T. 0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion: 94 Resp: 624910

Ion	Ratio	Lower	Upper
94	100		
65	30.0	8.5	48.5
66	42.0	17.3	57.3



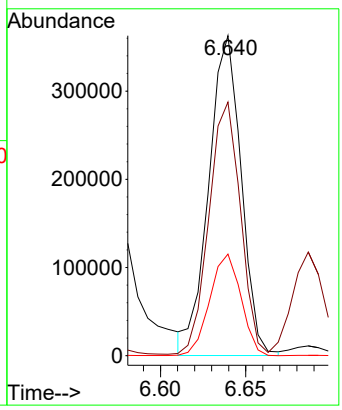


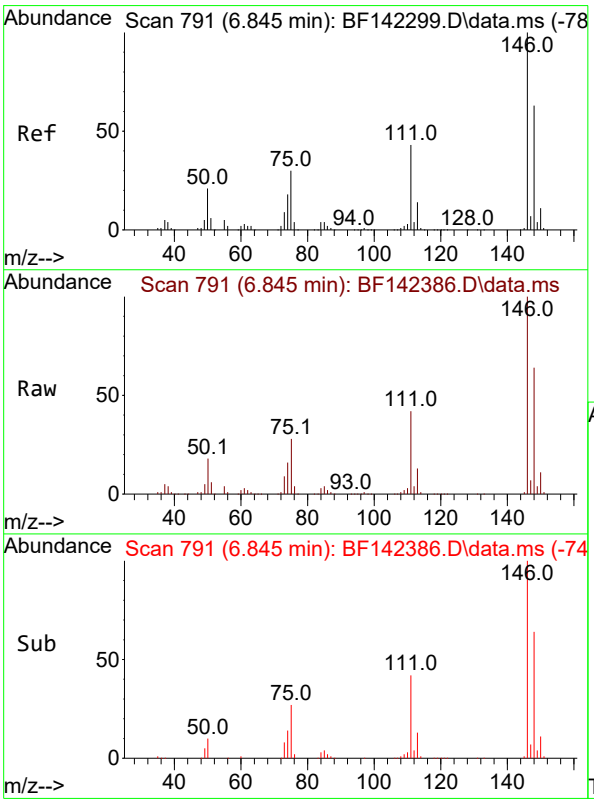
#11
bis(2-Chloroethyl)ether
Concen: 34.740 ng
RT: 6.640 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion: 93 Resp: 480788

Ion	Ratio	Lower	Upper
93	100		
63	79.3	58.4	98.4
95	31.8	10.6	50.6

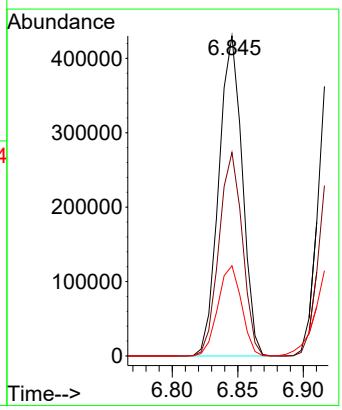


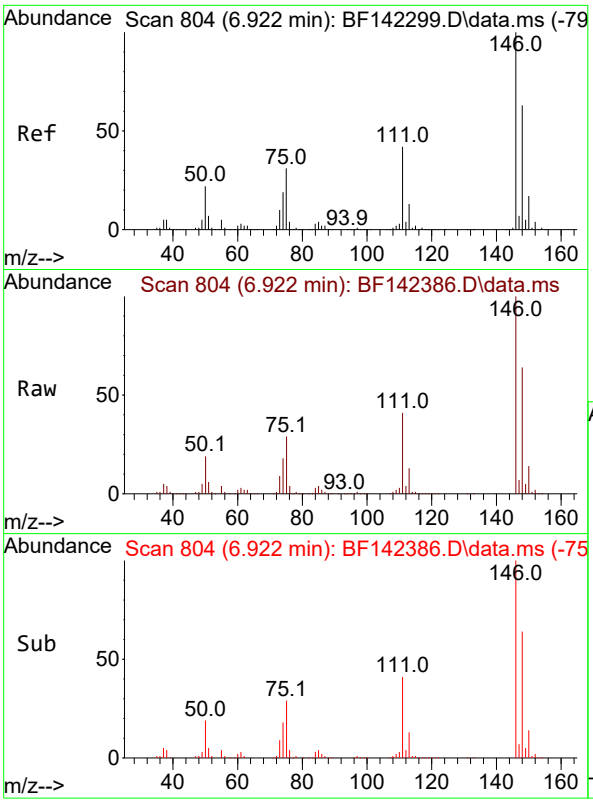


#12
1,3-Dichlorobenzene
Concen: 40.642 ng
RT: 6.845 min Scan# 791
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:146 Resp: 534851

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.6	76.0
75	28.2	24.2	36.4



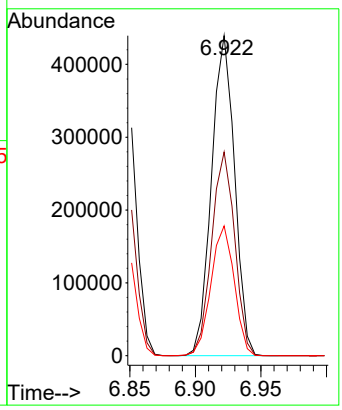


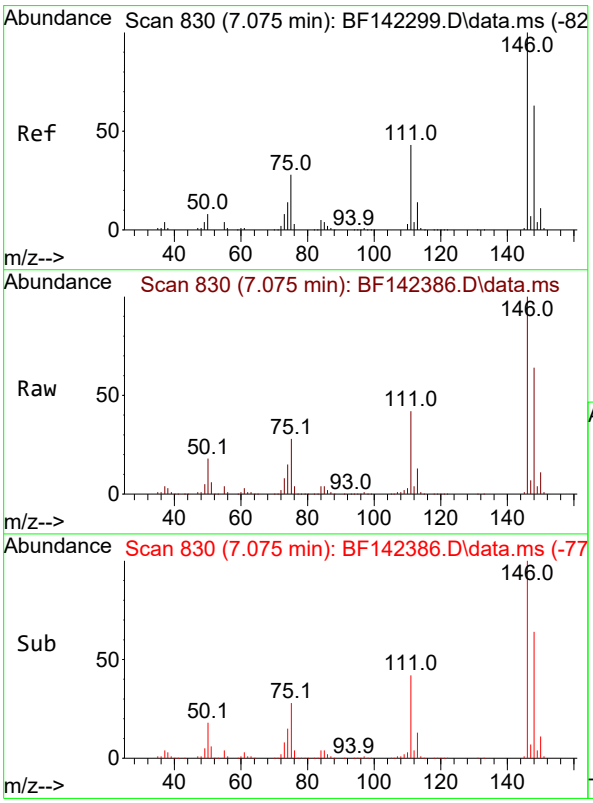
#13
1,4-Dichlorobenzene
Concen: 40.711 ng
RT: 6.922 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:146 Resp: 537927

Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.5	75.7
111	40.5	33.4	50.2

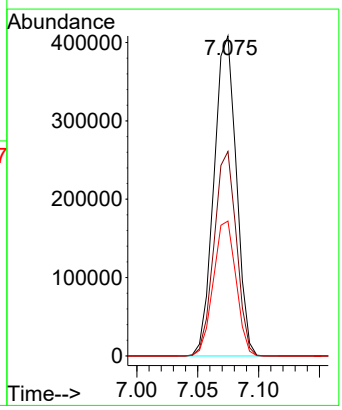


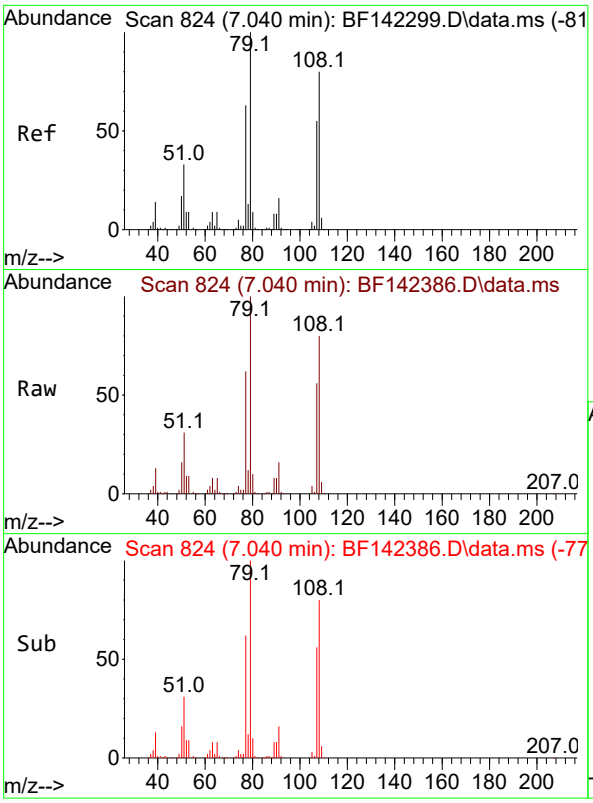


#14
1,2-Dichlorobenzene
Concen: 41.268 ng
RT: 7.075 min Scan# 830
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:146 Resp: 523399

Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.3	75.5
111	42.2	34.5	51.7



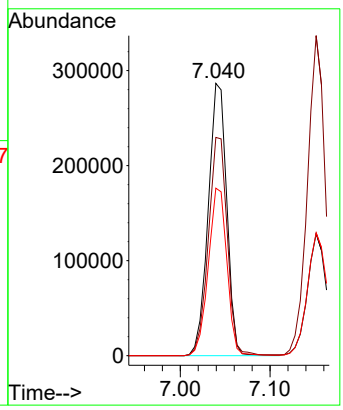


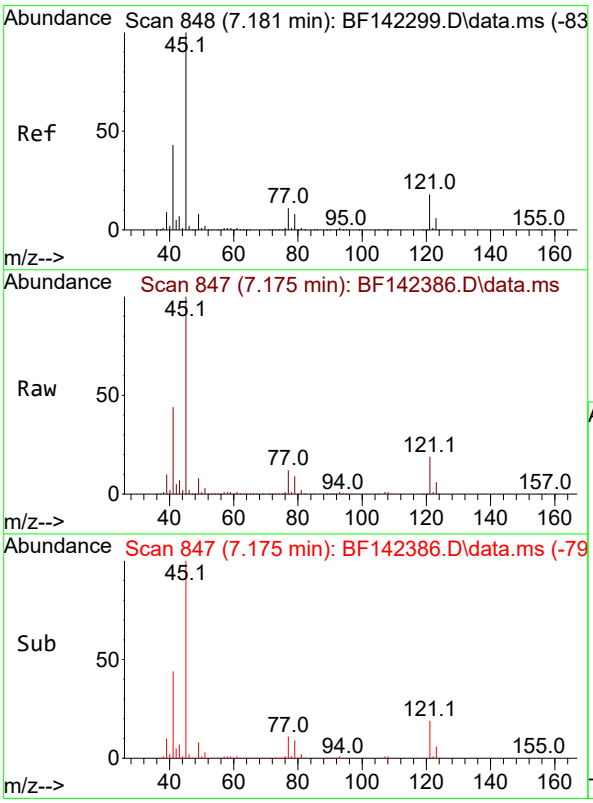
#15
Benzyl Alcohol
Concen: 47.948 ng
RT: 7.040 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion: 79 Resp: 411059

Ion	Ratio	Lower	Upper
79	100		
108	80.1	63.9	95.9
77	61.5	50.7	76.1

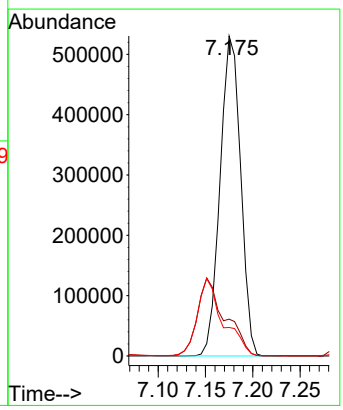


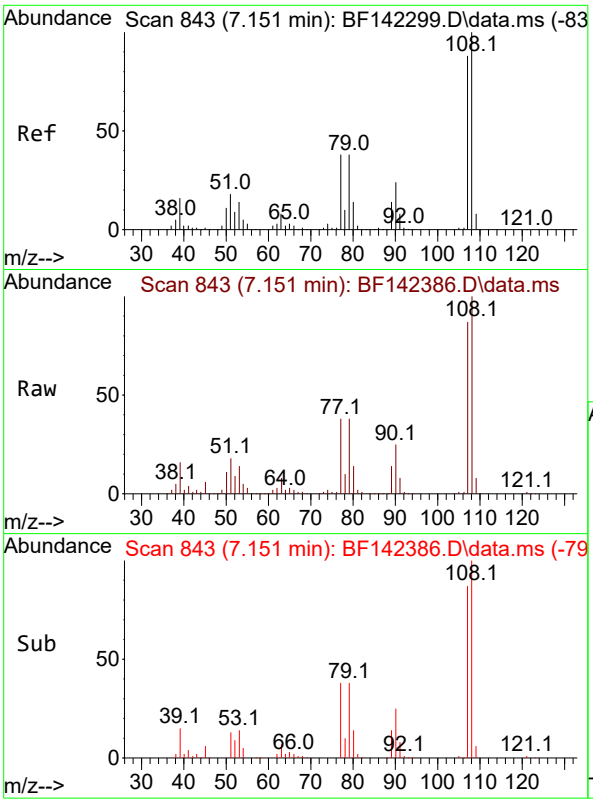


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.795 ng
RT: 7.175 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion: 45 Resp: 801766

Ion	Ratio	Lower	Upper
45	100		
77	11.5	0.0	31.2
79	8.9	0.0	28.5



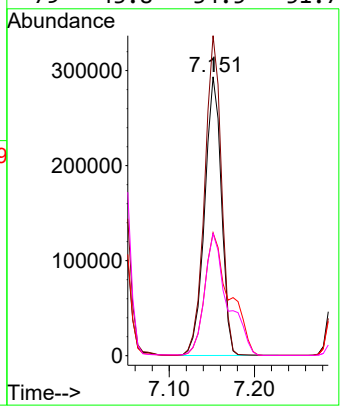


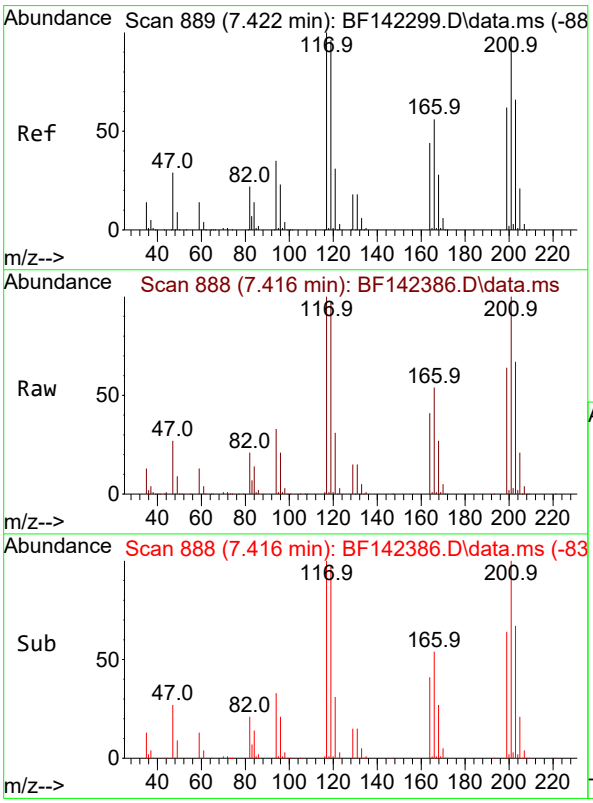
#17
2-Methylphenol
Concen: 43.038 ng
RT: 7.151 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:107 Resp: 400813

Ion	Ratio	Lower	Upper
107	100		
108	114.8	91.1	136.7
77	44.1	34.7	52.1
79	43.8	34.5	51.7

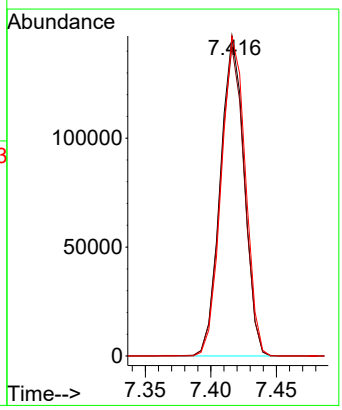


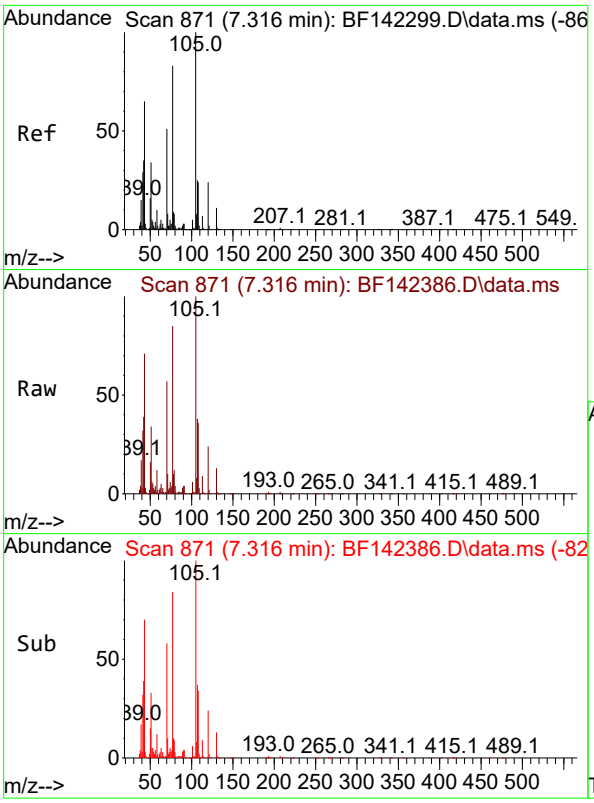


#18
Hexachloroethane
Concen: 42.268 ng
RT: 7.416 min Scan# 888
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:117 Resp: 185824

Ion	Ratio	Lower	Upper
117	100		
119	96.6	76.9	115.3
201	99.8	78.0	117.0



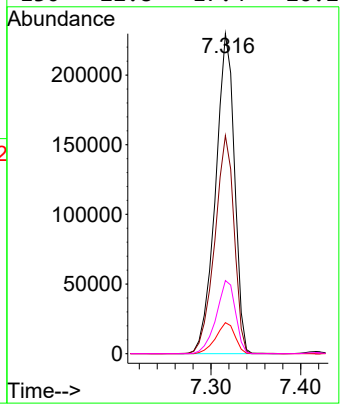


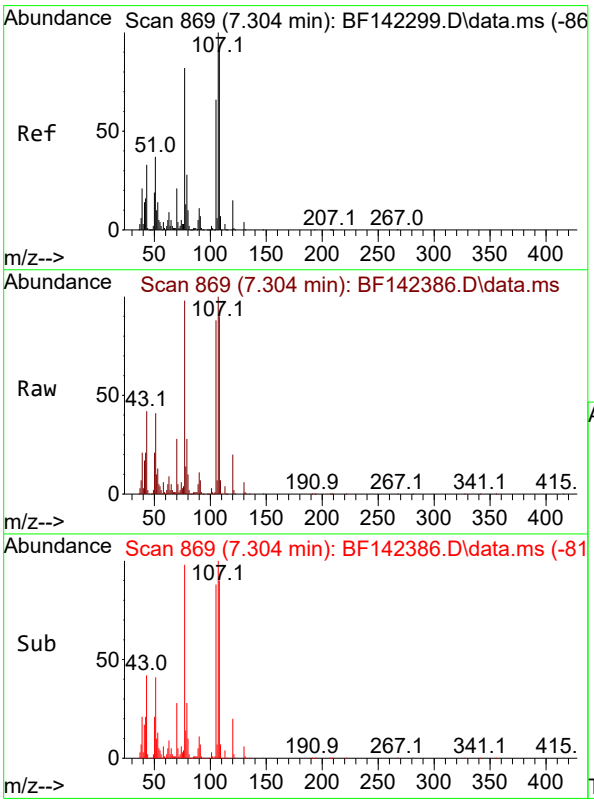
#19
n-Nitroso-di-n-propylamine
Concen: 41.238 ng
RT: 7.316 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion: 70 Resp: 337716

Ion	Ratio	Lower	Upper
70	100		
42	68.2	54.8	82.2
101	9.7	7.7	11.5
130	22.8	17.4	26.2

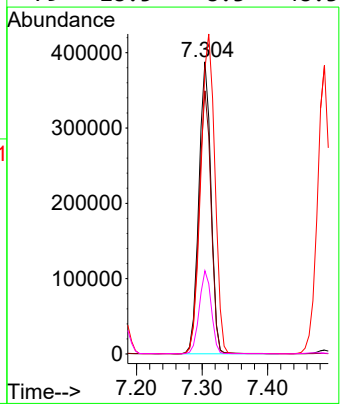


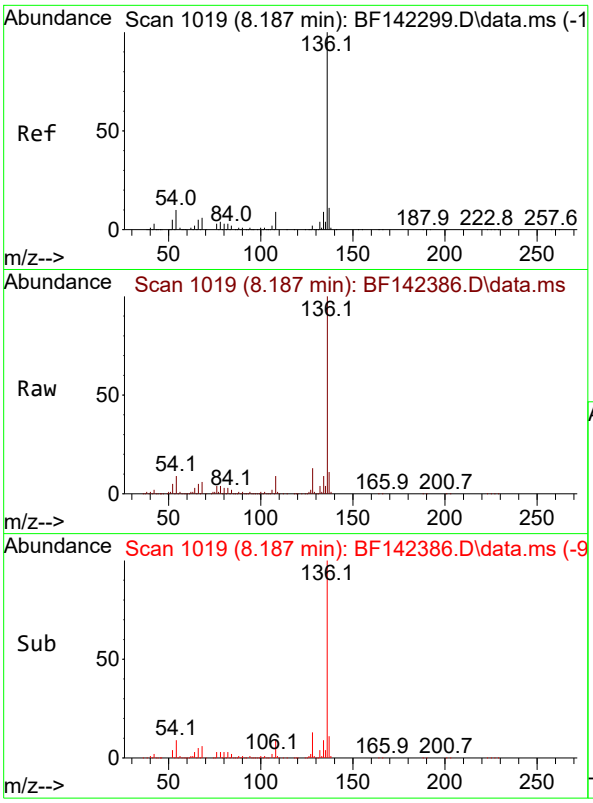


#20
3+4-Methylphenols
Concen: 42.797 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:107 Resp: 497423

Ion	Ratio	Lower	Upper
107	100		
108	90.1	71.5	111.5
77	97.6	61.6	101.6
79	28.5	8.3	48.3



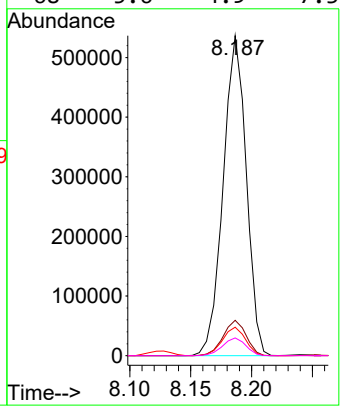


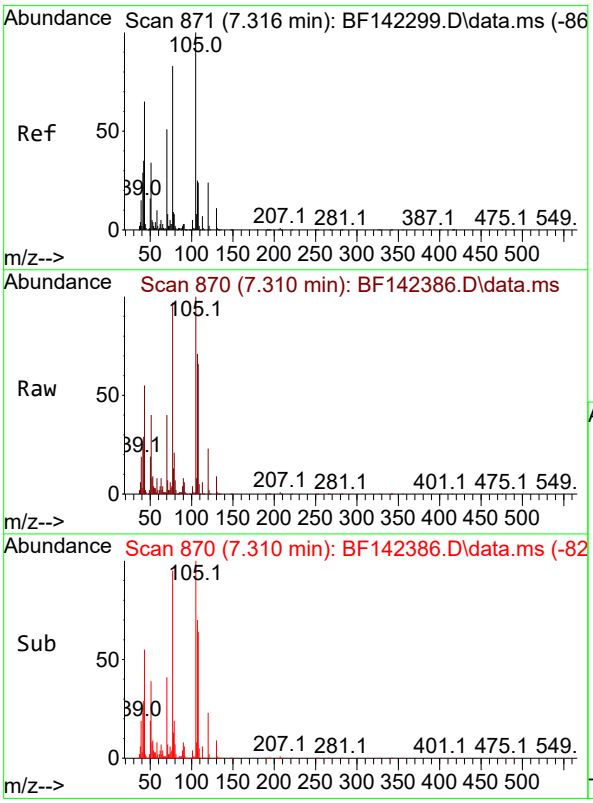
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:136 Resp: 709461

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	8.9	7.7	11.5
68	5.6	4.9	7.3

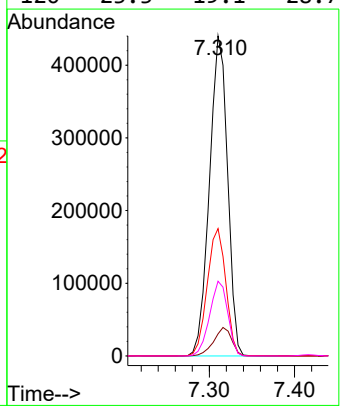


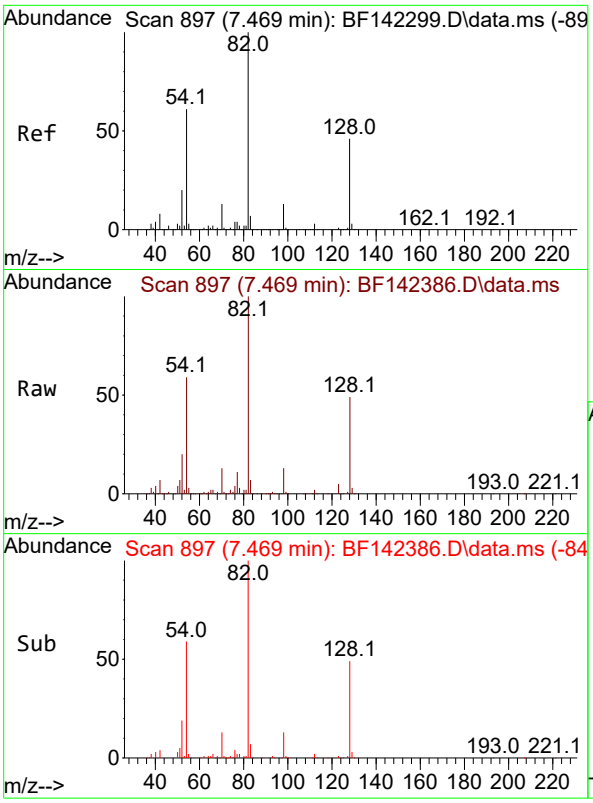


#22
Acetophenone
Concen: 41.168 ng
RT: 7.310 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:105 Resp: 649406

Ion	Ratio	Lower	Upper
105	100		
71	6.9	6.7	10.1
51	39.8	27.6	41.4
120	23.3	19.1	28.7



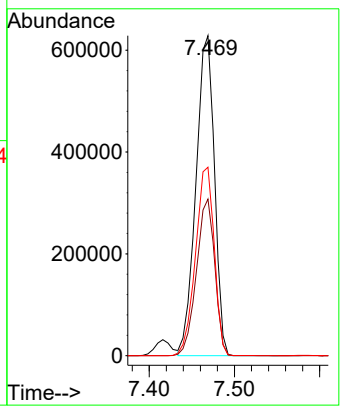


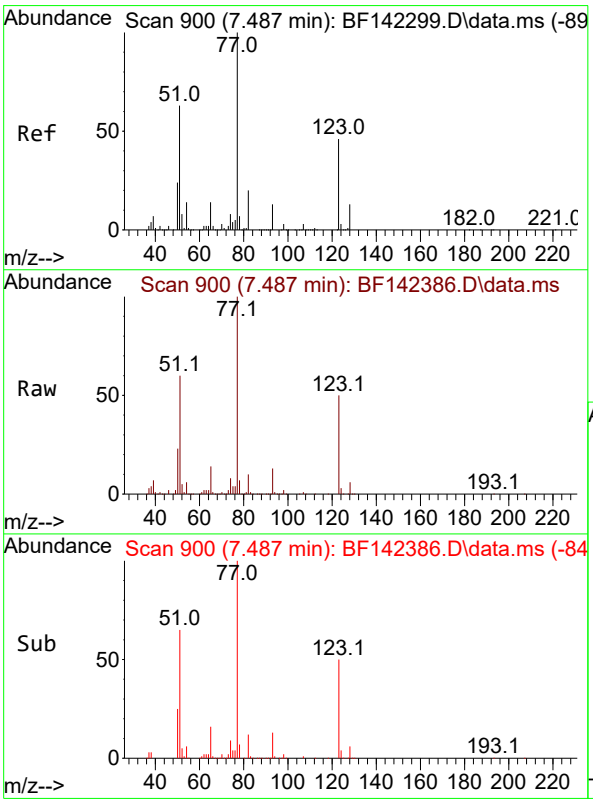
#23
Nitrobenzene-d5
Concen: 81.564 ng
RT: 7.469 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion: 82 Resp: 948826

Ion	Ratio	Lower	Upper
82	100		
128	48.9	37.0	55.6
54	58.9	48.6	73.0

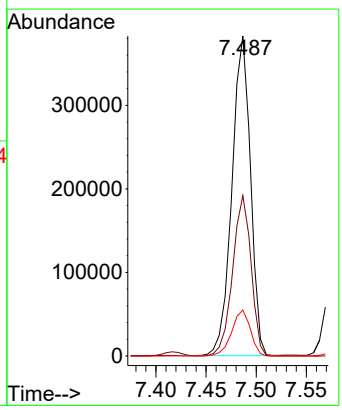


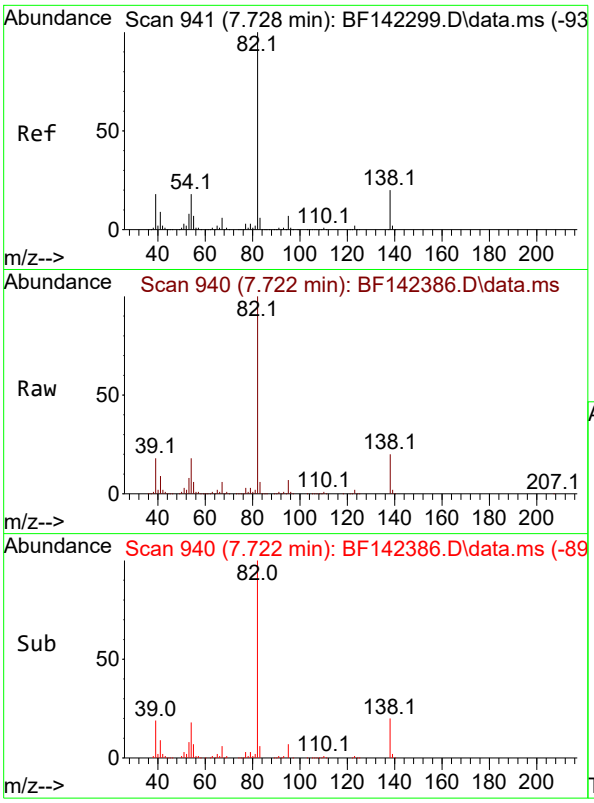


#24
Nitrobenzene
Concen: 44.925 ng
RT: 7.487 min Scan# 900
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion: 77 Resp: 492634

Ion	Ratio	Lower	Upper
77	100		
123	50.1	37.8	56.8
65	14.4	11.4	17.0



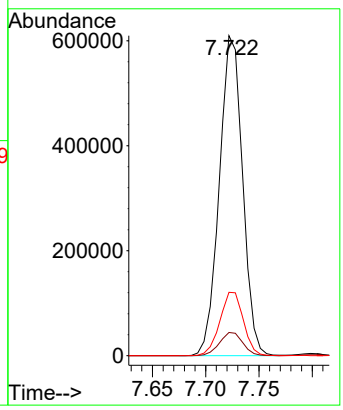


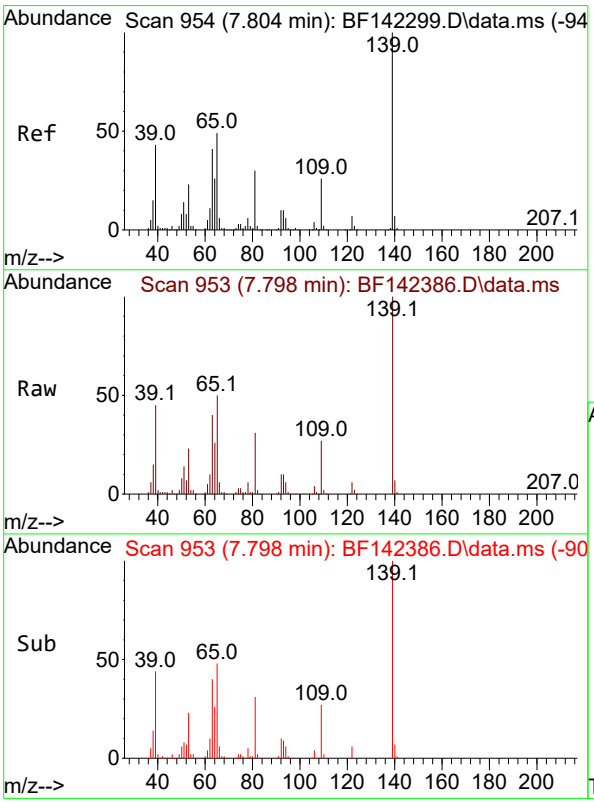
#25
Isophorone
Concen: 41.969 ng
RT: 7.722 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion: 82 Resp: 924519

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.8	8.8
138	19.8	16.1	24.1

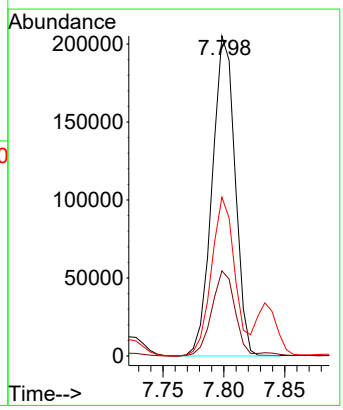


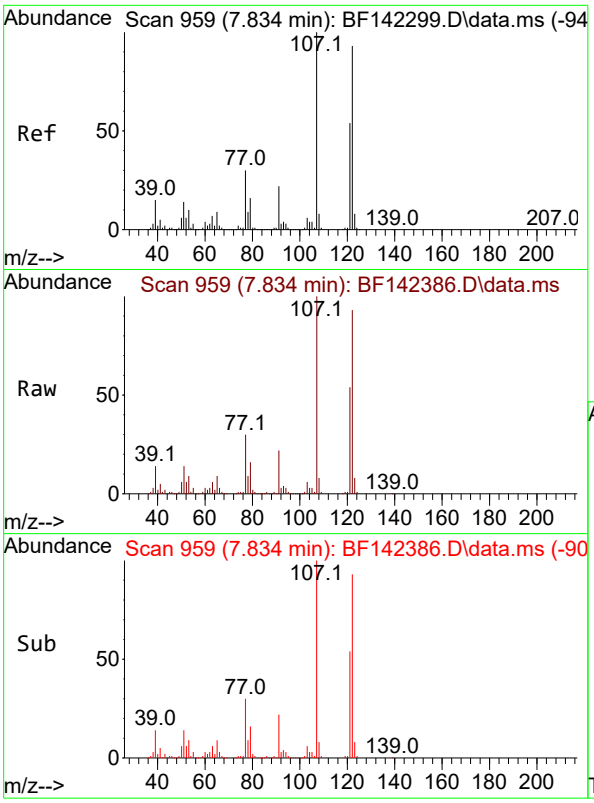


#26
2-Nitrophenol
Concen: 50.641 ng
RT: 7.798 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:139 Resp: 268958

Ion	Ratio	Lower	Upper
139	100		
109	26.6	20.8	31.2
65	49.6	38.9	58.3



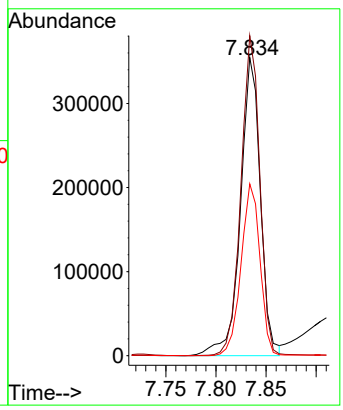


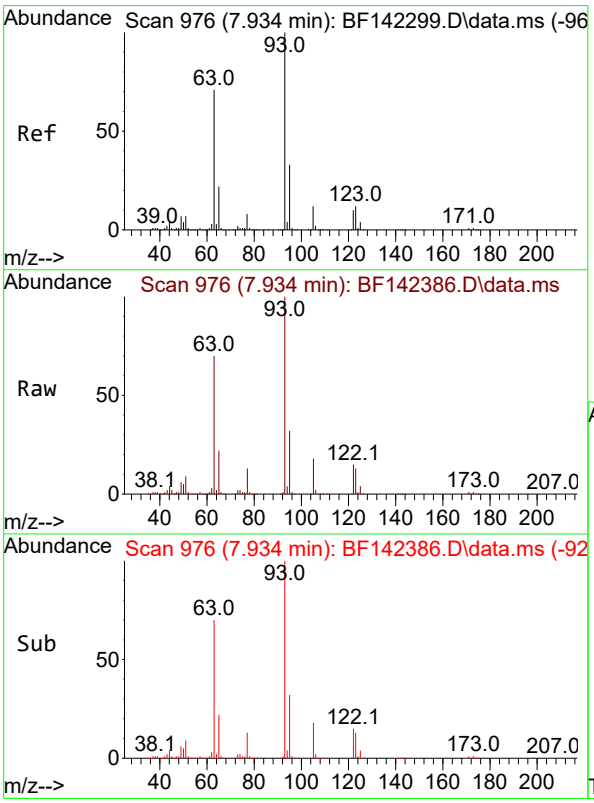
#27
2,4-Dimethylphenol
Concen: 44.357 ng
RT: 7.834 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:122 Resp: 491276

Ion	Ratio	Lower	Upper
122	100		
107	107.3	86.0	129.0
121	57.7	46.2	69.4

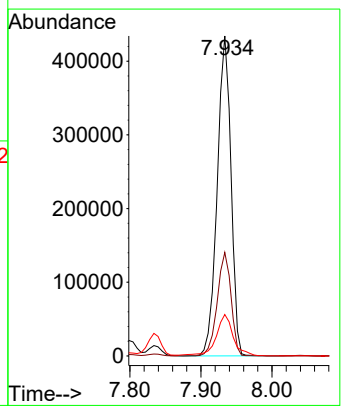


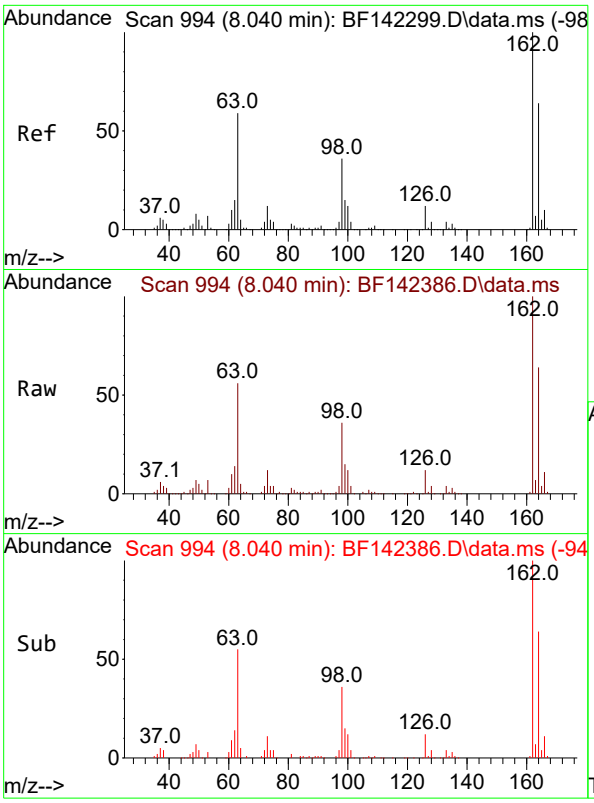


#28
bis(2-Chloroethoxy)methane
Concen: 41.036 ng
RT: 7.934 min Scan# 976
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion: 93 Resp: 581272

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.1	39.1
123	12.9	10.2	15.4



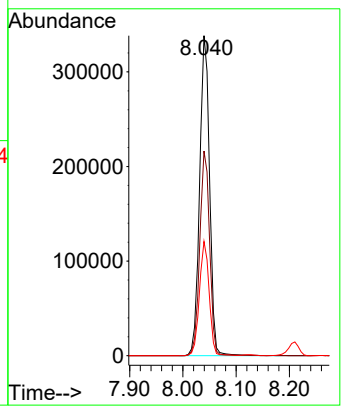


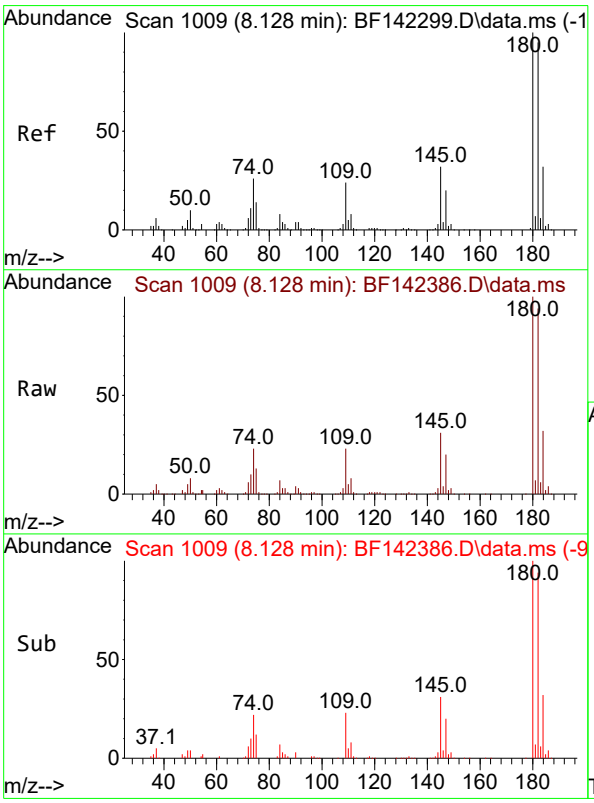
#29
2,4-Dichlorophenol
Concen: 46.573 ng
RT: 8.040 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:162 Resp: 438536

Ion	Ratio	Lower	Upper
162	100		
164	64.0	43.6	83.6
98	35.7	16.5	56.5

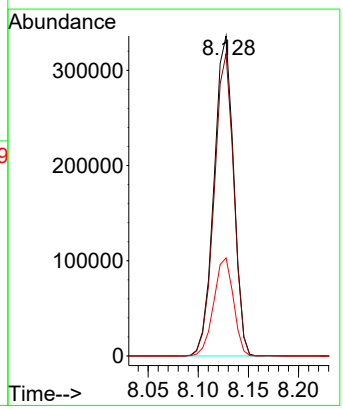


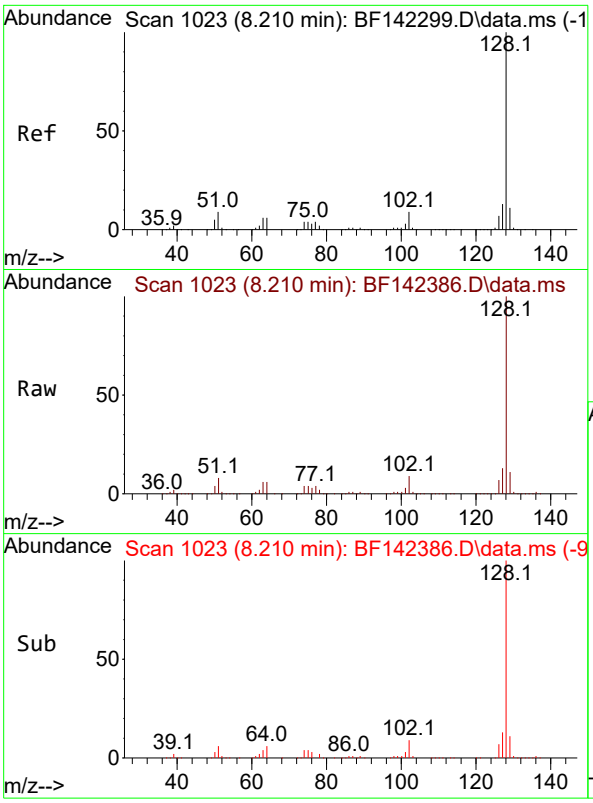


#30
1,2,4-Trichlorobenzene
Concen: 43.077 ng
RT: 8.128 min Scan# 1009
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:180 Resp: 456485

Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.2	114.4
145	30.7	25.8	38.6



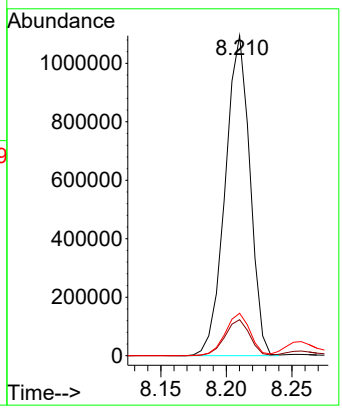


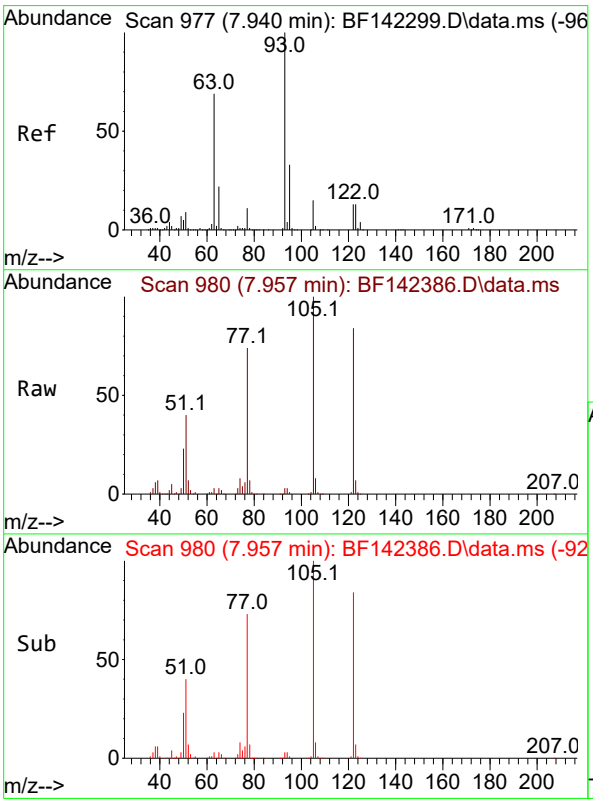
#31
Naphthalene
Concen: 41.752 ng
RT: 8.210 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:128 Resp: 1435630

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.1	13.7
127	13.3	10.5	15.7

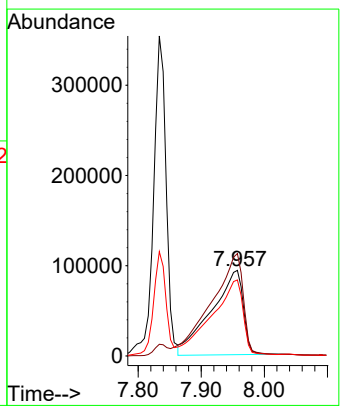


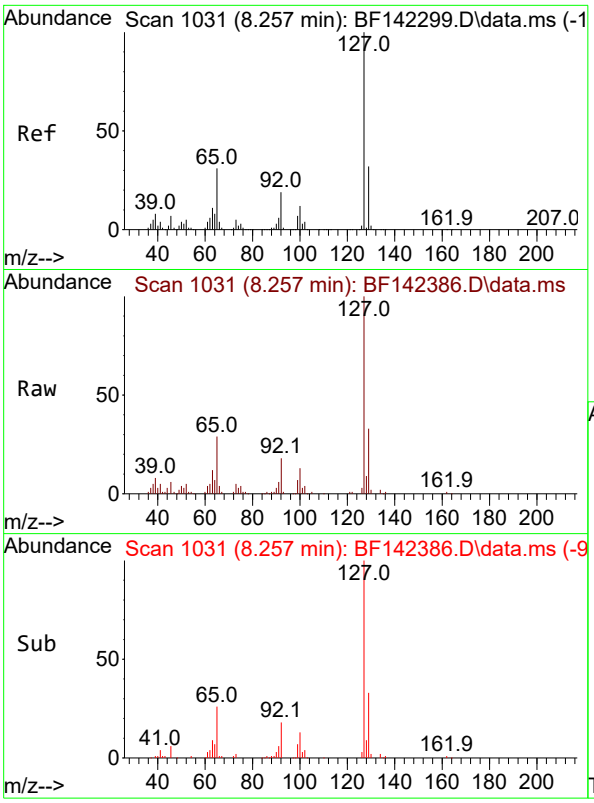


#32
Benzoic acid
Concen: 53.296 ng
RT: 7.957 min Scan# 980
Delta R.T. 0.017 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:122 Resp: 327035

Ion	Ratio	Lower	Upper
122	100		
105	119.7	97.9	137.9
77	88.8	67.7	107.7



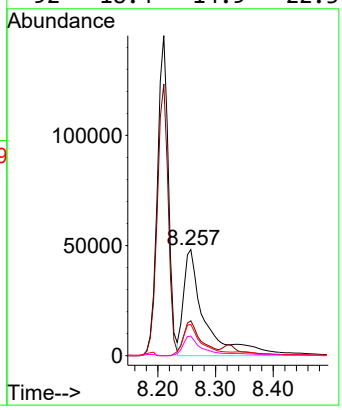


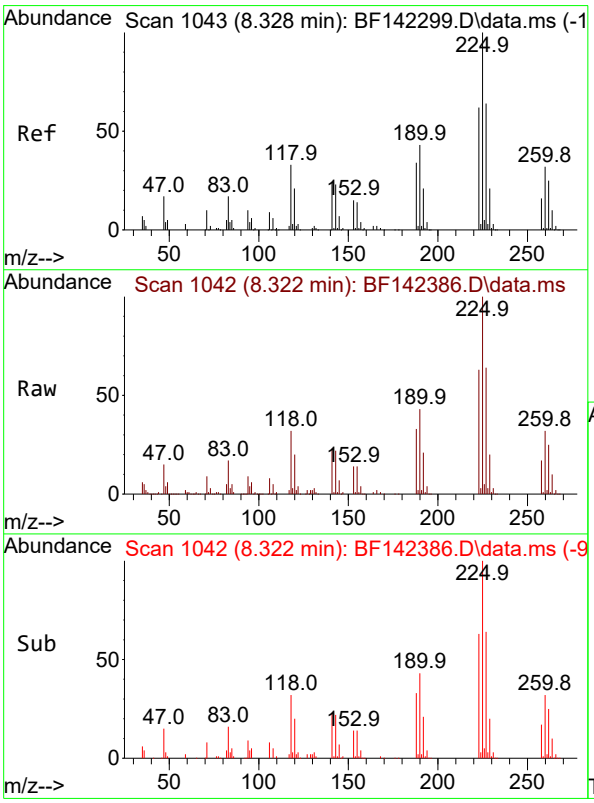
#33
4-Chloroaniline
Concen: 8.753 ng m
RT: 8.257 min Scan# 1
Delta R.T. -0.010 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:127 Resp: 122812

Ion	Ratio	Lower	Upper
127	100		
129	32.8	25.7	38.5
65	29.4	24.9	37.3
92	18.4	14.9	22.3

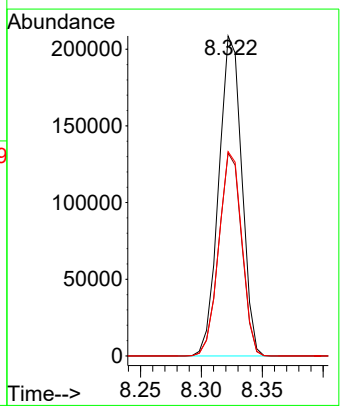


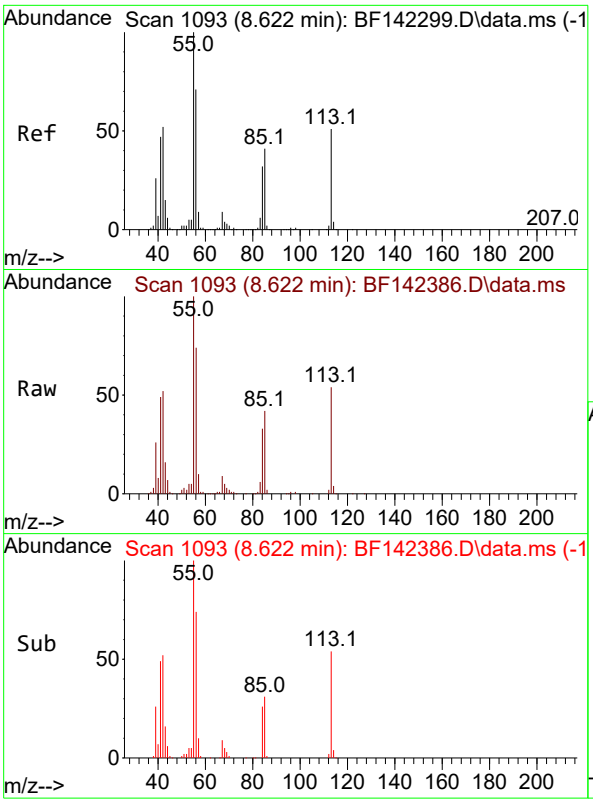


#34
Hexachlorobutadiene
Concen: 43.664 ng
RT: 8.322 min Scan# 1042
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:225 Resp: 273992

Ion	Ratio	Lower	Upper
225	100		
223	63.4	49.8	74.6
227	63.8	50.9	76.3



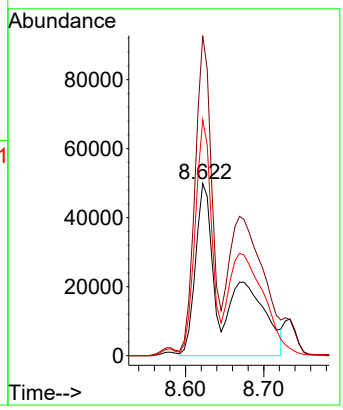


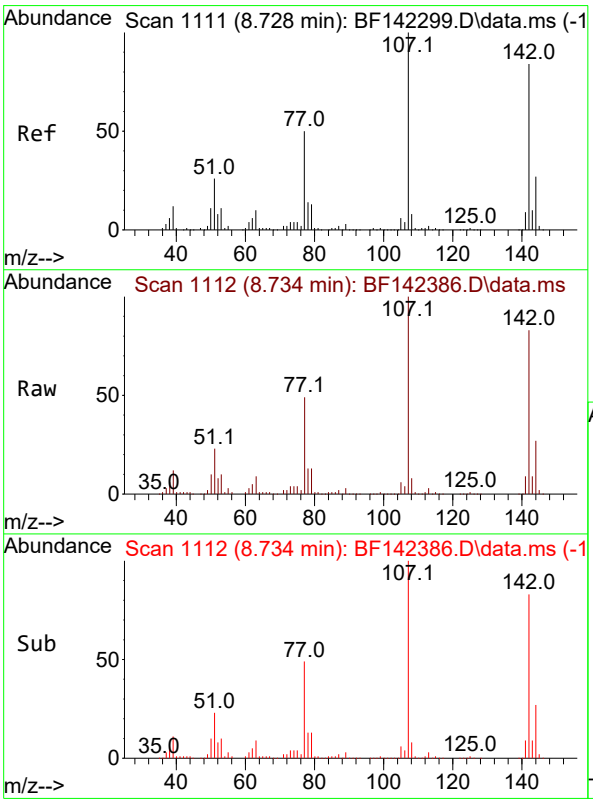
#35
Caprolactam
Concen: 51.419 ng m
RT: 8.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:113 Resp: 141106

Ion	Ratio	Lower	Upper
113	100		
55	185.8	176.4	216.4
56	137.0	120.3	160.3

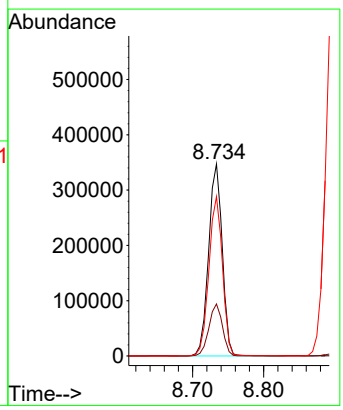


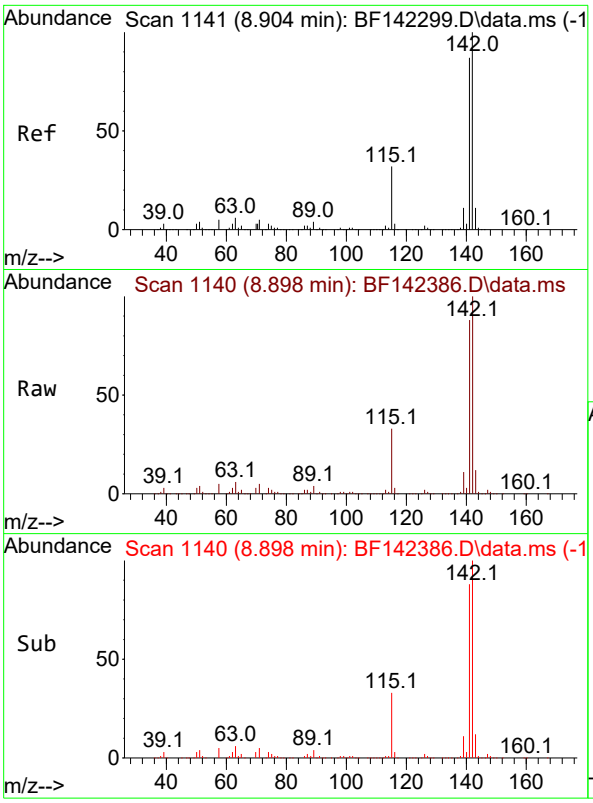


#36
4-Chloro-3-methylphenol
Concen: 47.463 ng
RT: 8.734 min Scan# 1112
Delta R.T. 0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:107 Resp: 464569

Ion	Ratio	Lower	Upper
107	100		
144	27.1	21.3	31.9
142	83.0	66.9	100.3



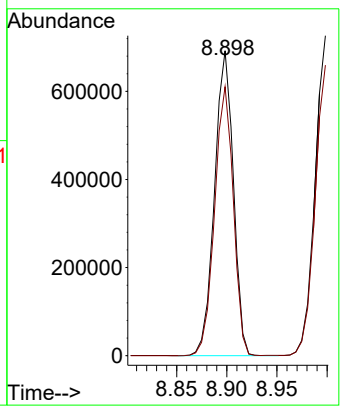


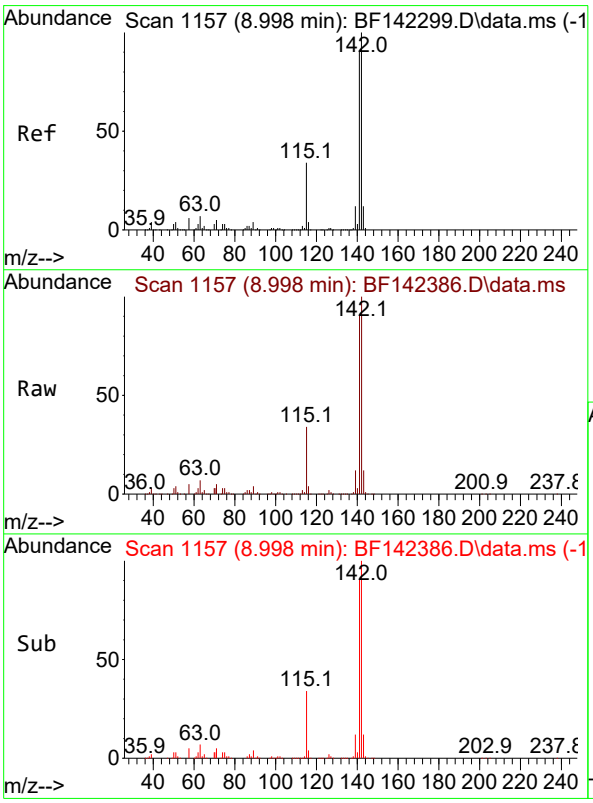
#37
2-Methylnaphthalene
Concen: 42.213 ng
RT: 8.898 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:142 Resp: 901910

Ion	Ratio	Lower	Upper
142	100		
141	88.2	69.4	104.2

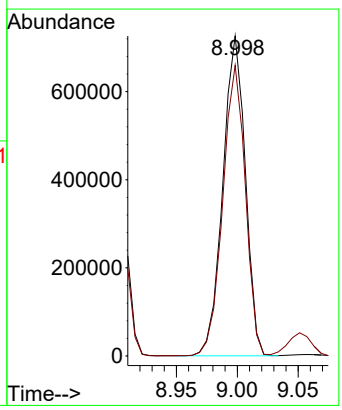


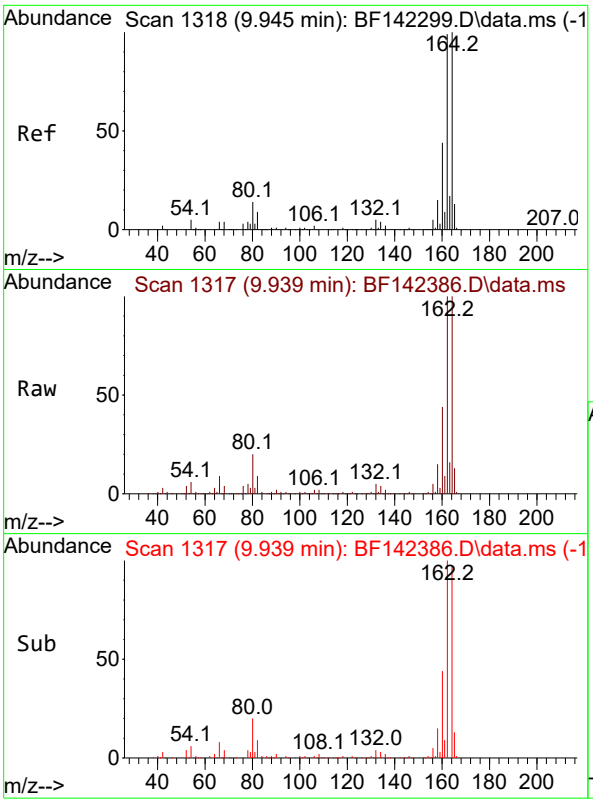


#38
1-Methylnaphthalene
Concen: 42.021 ng
RT: 8.998 min Scan# 1157
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:142 Resp: 935769

Ion	Ratio	Lower	Upper
142	100		
141	90.8	72.5	108.7



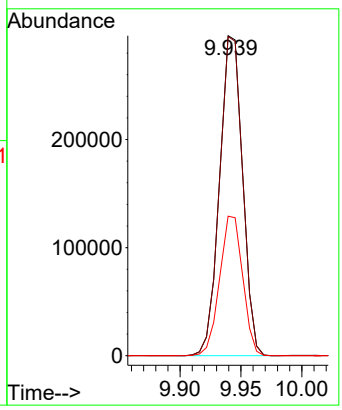


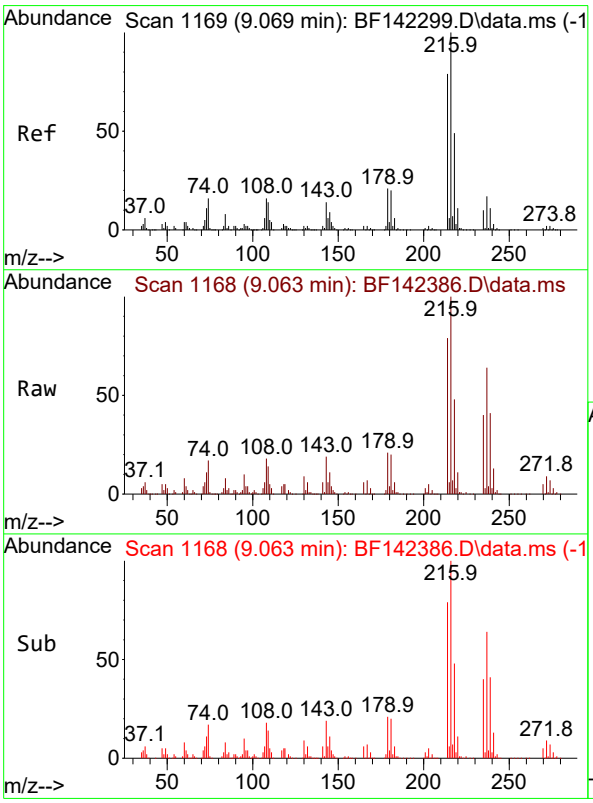
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:164 Resp: 390383

Ion	Ratio	Lower	Upper
164	100		
162	99.7	79.2	118.8
160	43.6	35.3	52.9

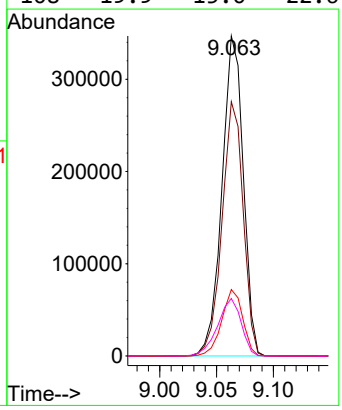


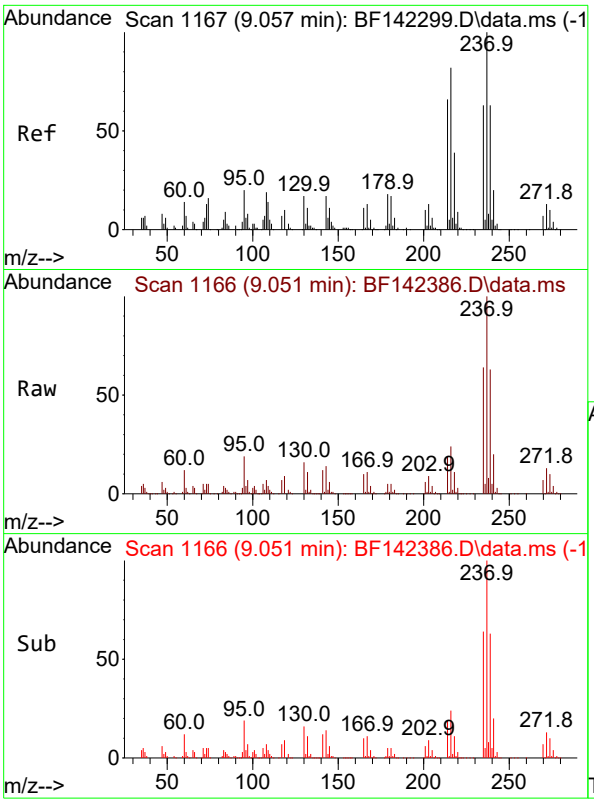


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.442 ng
RT: 9.063 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:216 Resp: 451848

Ion	Ratio	Lower	Upper
216	100		
214	79.0	63.8	95.6
179	20.5	17.0	25.6
108	19.9	15.0	22.6



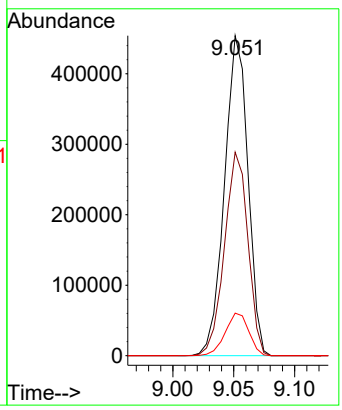


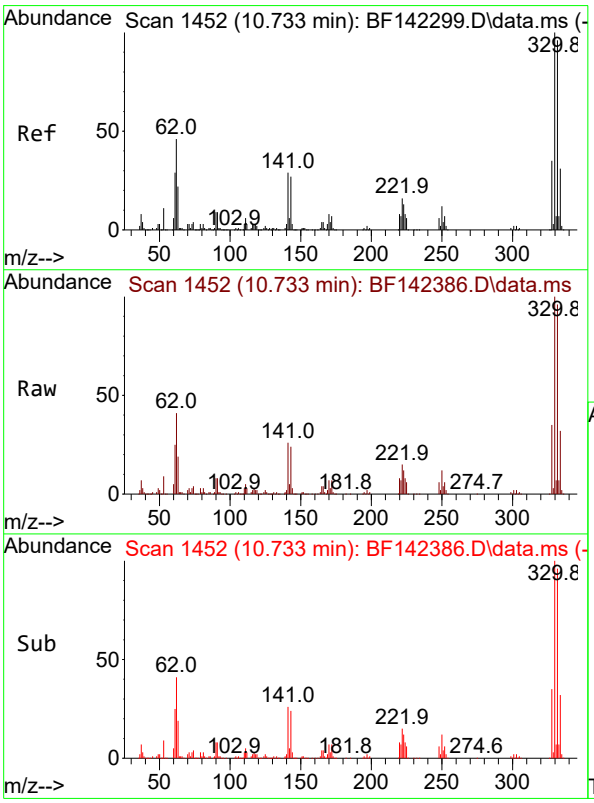
#41
Hexachlorocyclopentadiene
Concen: 90.221 ng
RT: 9.051 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:237 Resp: 607941

Ion	Ratio	Lower	Upper
237	100		
235	63.6	42.8	82.8
272	13.3	0.0	33.0

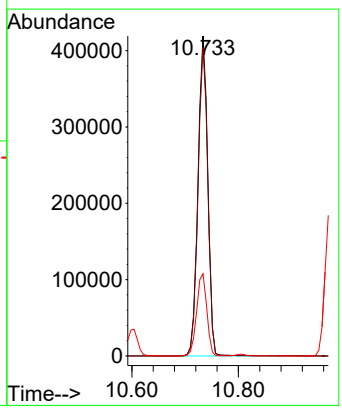


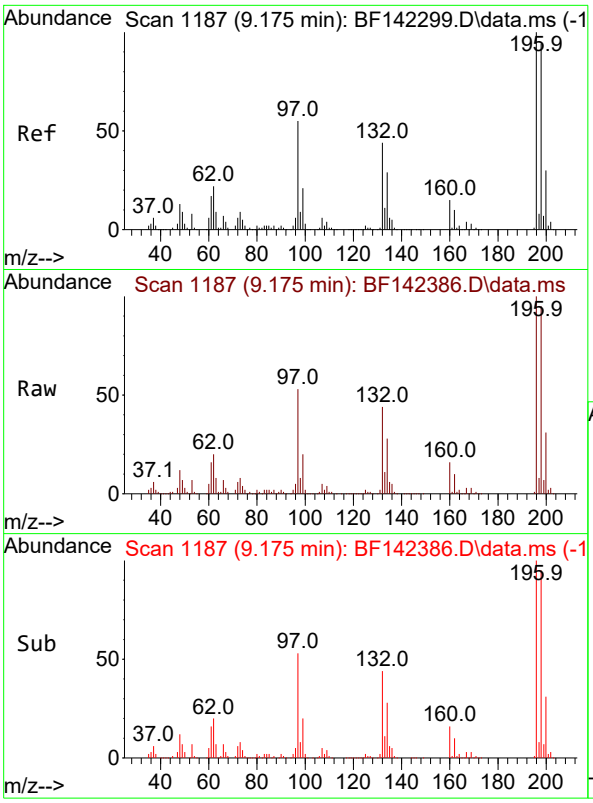


#42
2,4,6-Tribromophenol
Concen: 142.330 ng
RT: 10.733 min Scan# 1452
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:330 Resp: 536451

Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.8	115.2
141	26.7	24.9	37.3



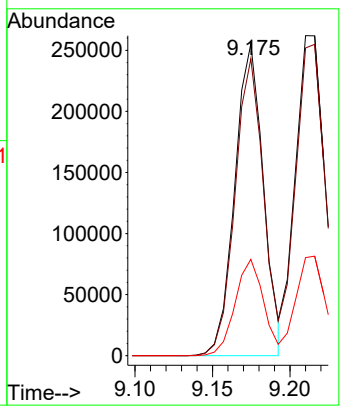


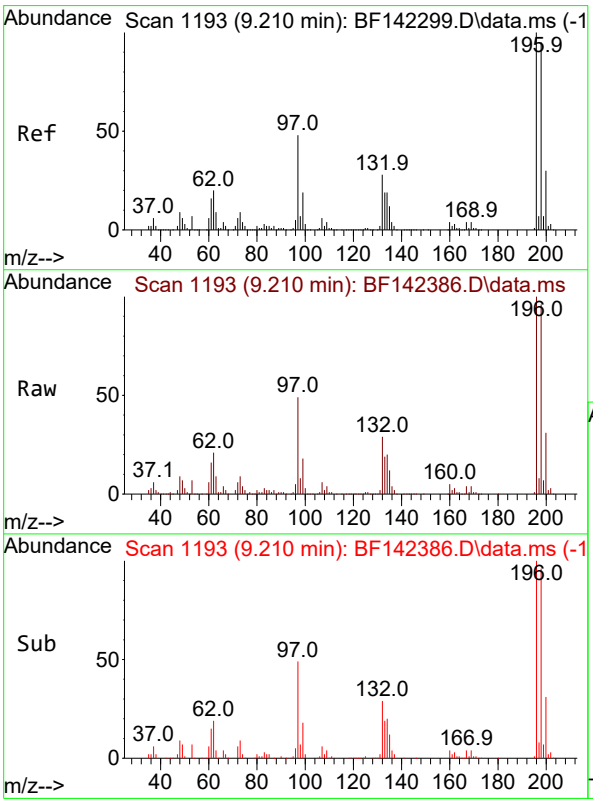
#43
2,4,6-Trichlorophenol
Concen: 47.621 ng
RT: 9.175 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:196 Resp: 327505

Ion	Ratio	Lower	Upper
196	100		
198	95.2	75.4	113.0
200	30.9	24.3	36.5

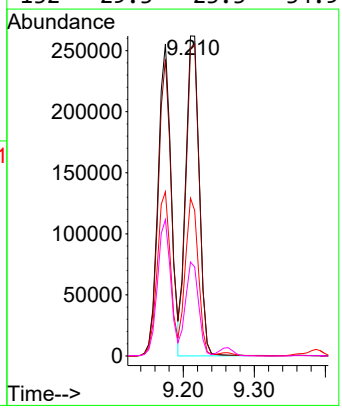


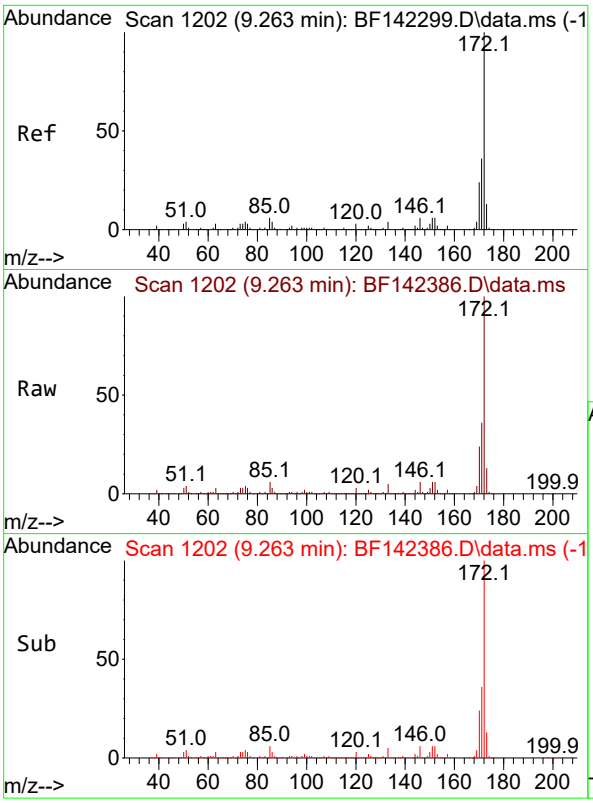


#44
2,4,5-Trichlorophenol
Concen: 47.199 ng
RT: 9.210 min Scan# 1193
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:196 Resp: 345379

Ion	Ratio	Lower	Upper
196	100		
198	96.2	76.1	114.1
97	49.3	39.0	58.4
132	29.3	23.3	34.9



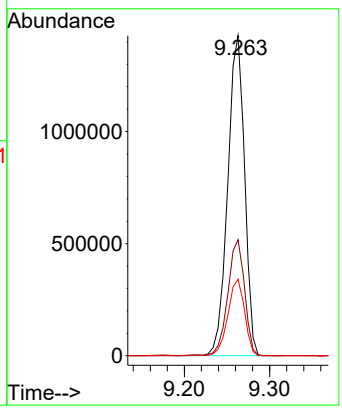


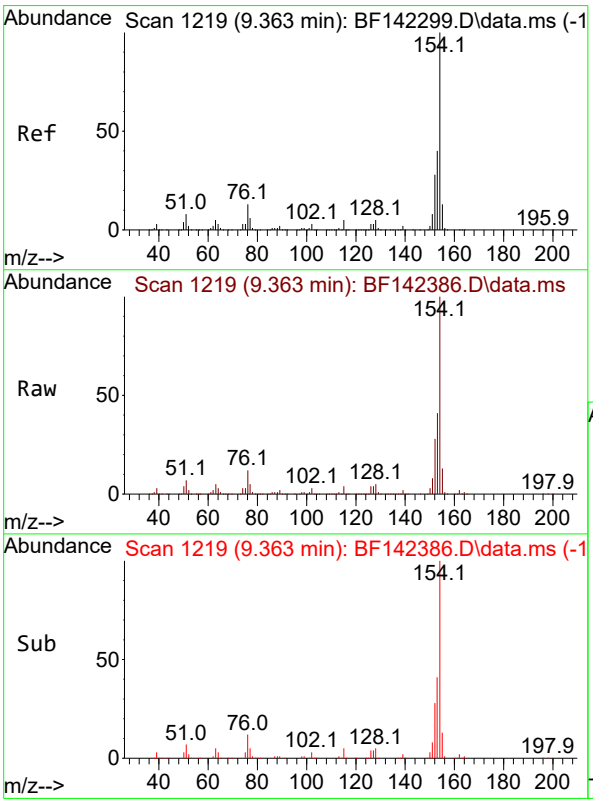
#45
2-Fluorobiphenyl
Concen: 71.589 ng
RT: 9.263 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:172 Resp: 1960008

Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.6	42.8
170	23.9	19.0	28.4

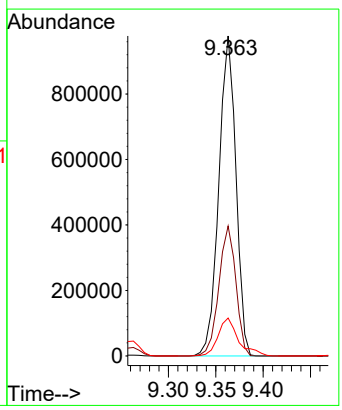


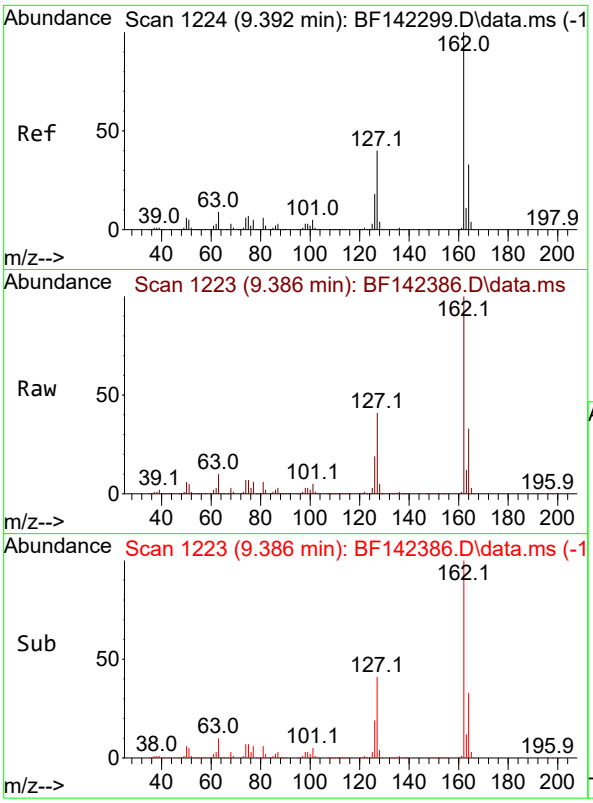


#46
1,1'-Biphenyl
Concen: 41.065 ng
RT: 9.363 min Scan# 1219
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:154 Resp: 1229160

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.5	60.5
76	11.8	0.0	32.8



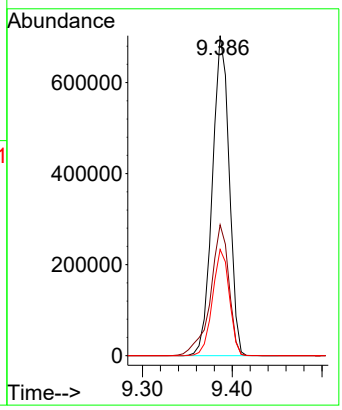


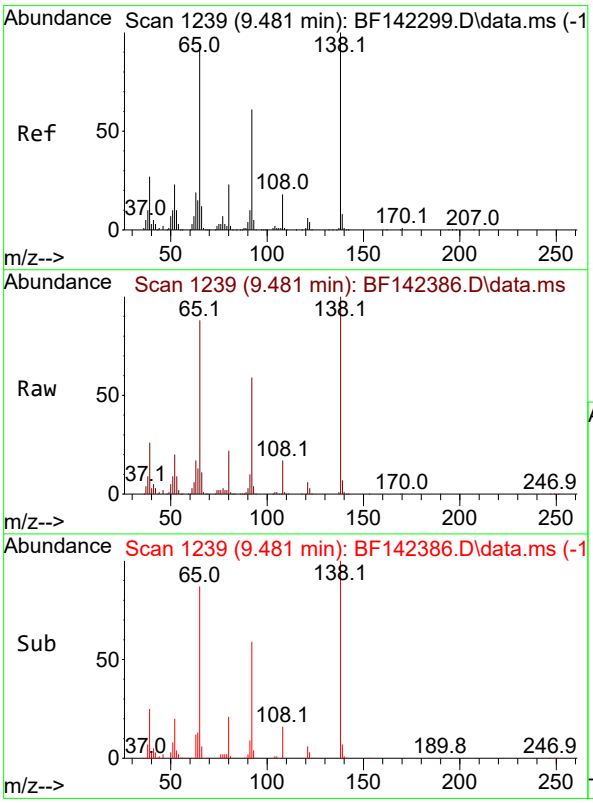
#47
2-Chloronaphthalene
Concen: 41.162 ng
RT: 9.386 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:162 Resp: 916262

Ion	Ratio	Lower	Upper
162	100		
127	40.9	32.3	48.5
164	33.2	26.6	40.0

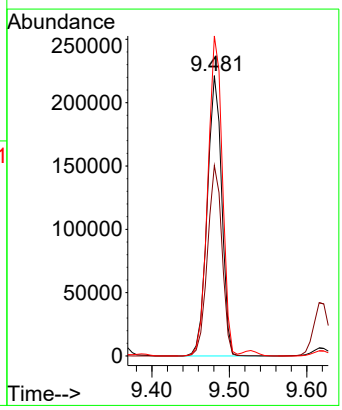


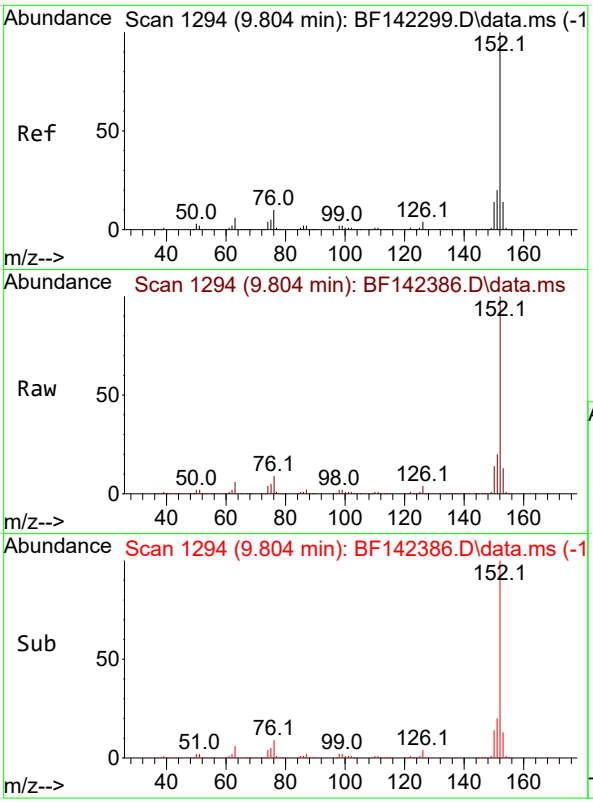


#48
2-Nitroaniline
Concen: 50.405 ng
RT: 9.481 min Scan# 1239
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion: 65 Resp: 287593

Ion	Ratio	Lower	Upper
65	100		
92	67.9	52.3	78.5
138	114.2	85.6	128.4



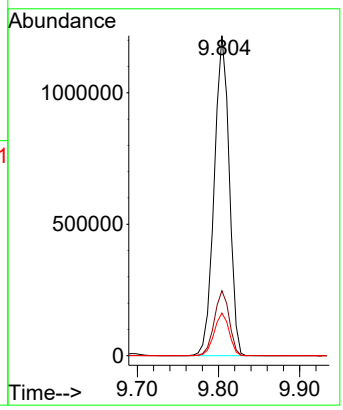


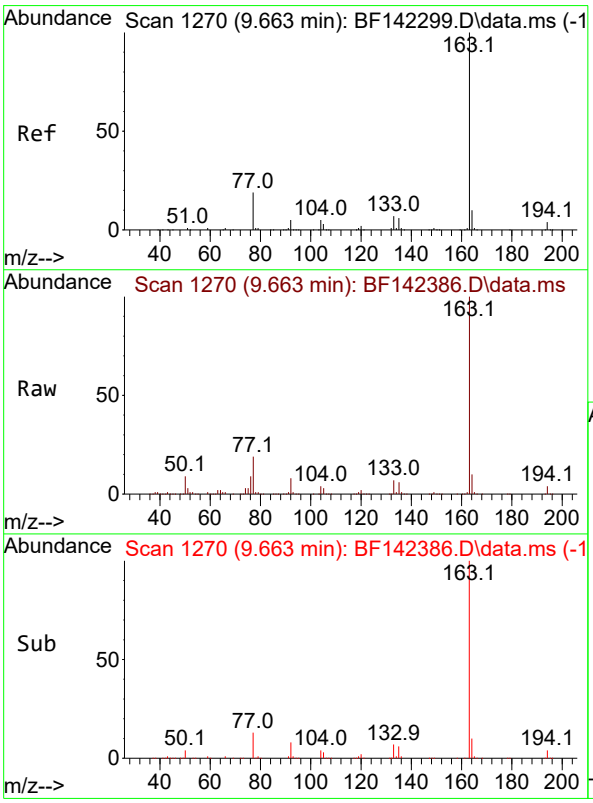
#49
Acenaphthylene
Concen: 41.988 ng
RT: 9.804 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:152 Resp: 1563555

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.0	24.0
153	13.3	10.8	16.2

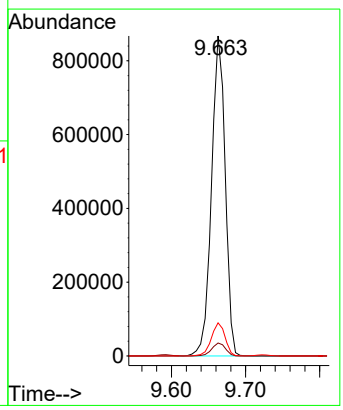


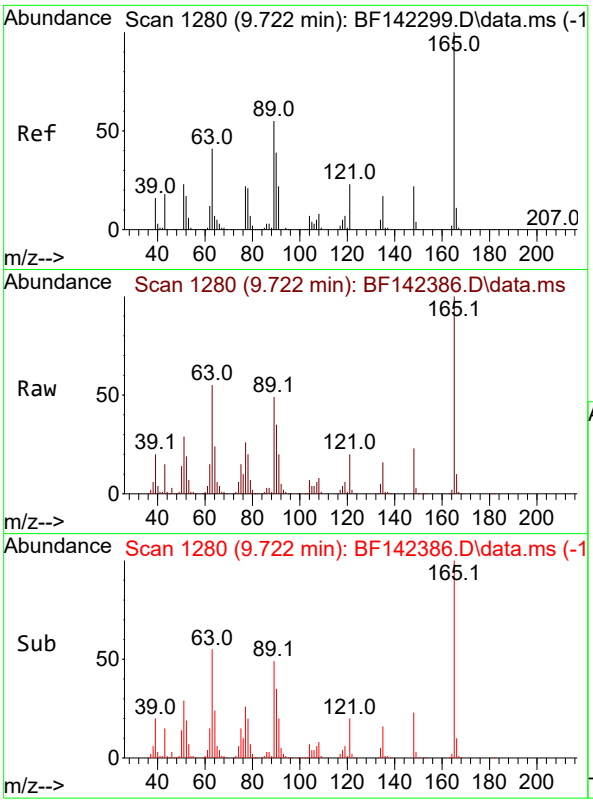


#50
Dimethylphthalate
Concen: 44.460 ng
RT: 9.663 min Scan# 1270
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:163 Resp: 1114509

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.2	4.8
164	10.4	8.3	12.5



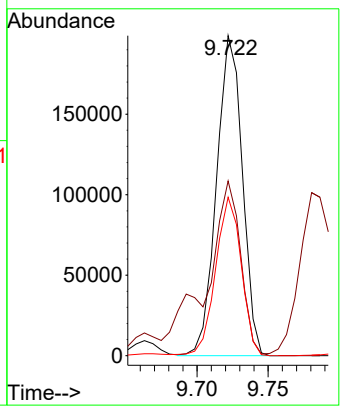


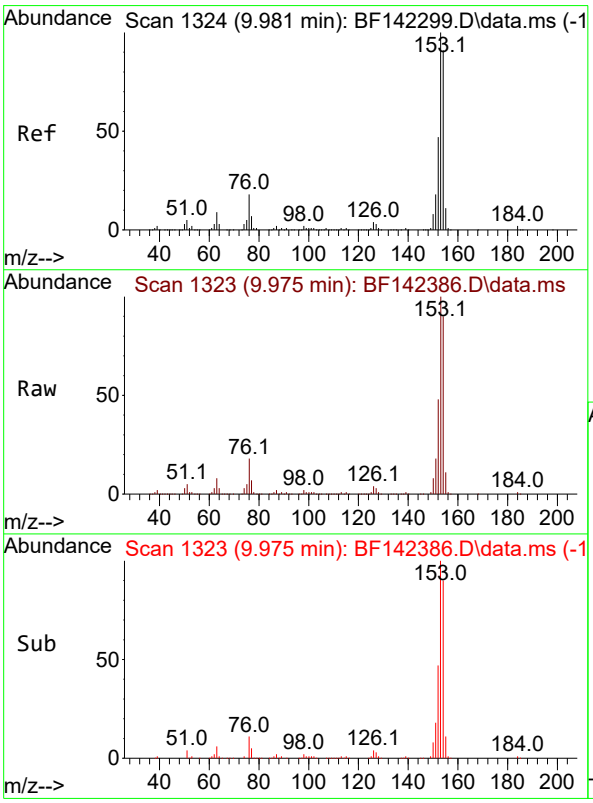
#51
2,6-Dinitrotoluene
Concen: 53.548 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:165 Resp: 251258

Ion	Ratio	Lower	Upper
165	100		
63	54.6	49.5	74.3
89	49.5	44.6	66.8

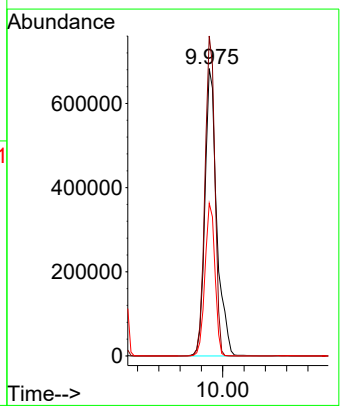


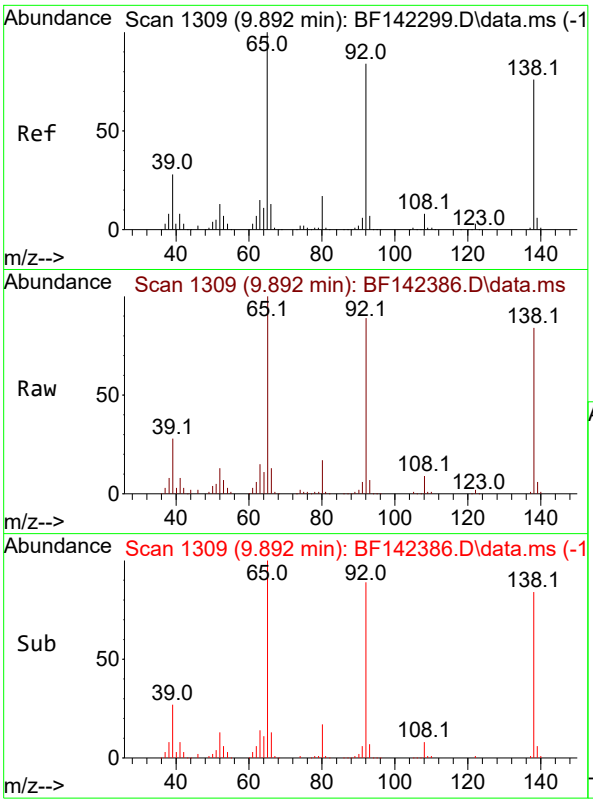


#52
Acenaphthene
Concen: 47.056 ng
RT: 9.975 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:154 Resp: 1053599

Ion	Ratio	Lower	Upper
154	100		
153	111.4	88.0	132.0
152	53.1	41.6	62.4



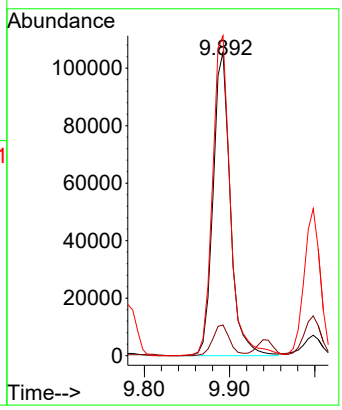


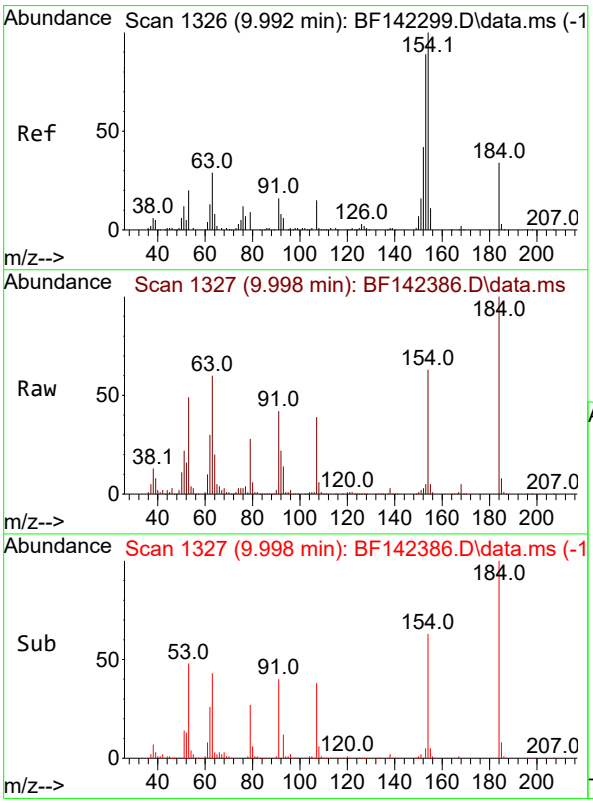
#53
3-Nitroaniline
Concen: 26.925 ng
RT: 9.892 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:138 Resp: 148171

Ion	Ratio	Lower	Upper
138	100		
108	10.1	8.7	13.1
92	105.5	89.5	134.3

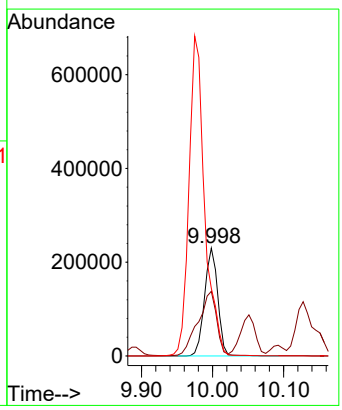


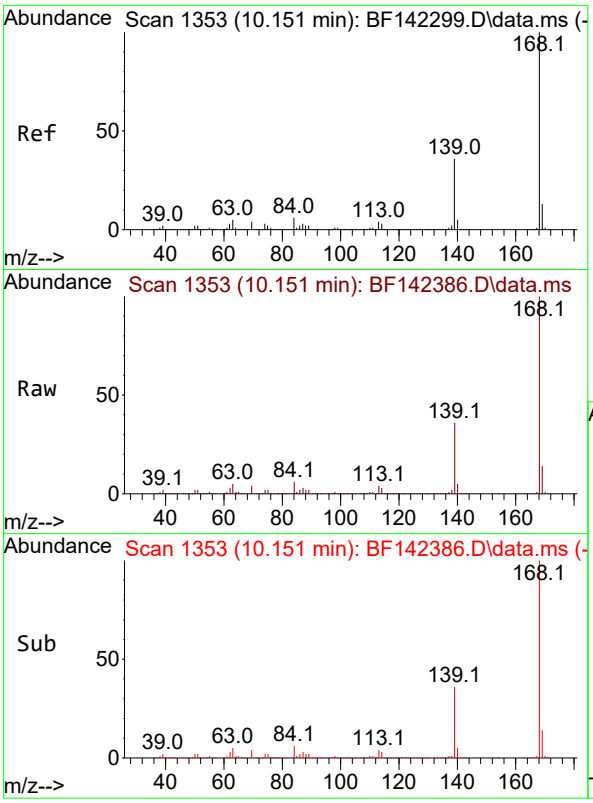


#54
2,4-Dinitrophenol
Concen: 117.829 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:184 Resp: 299083

Ion	Ratio	Lower	Upper
184	100		
63	60.0	70.6	105.8#
154	62.7	257.2	385.8#



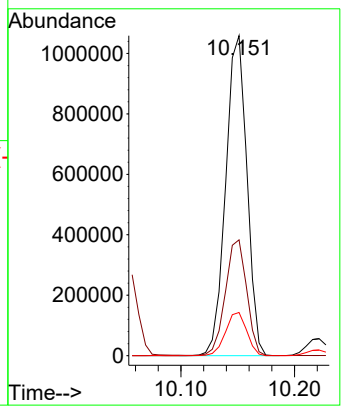


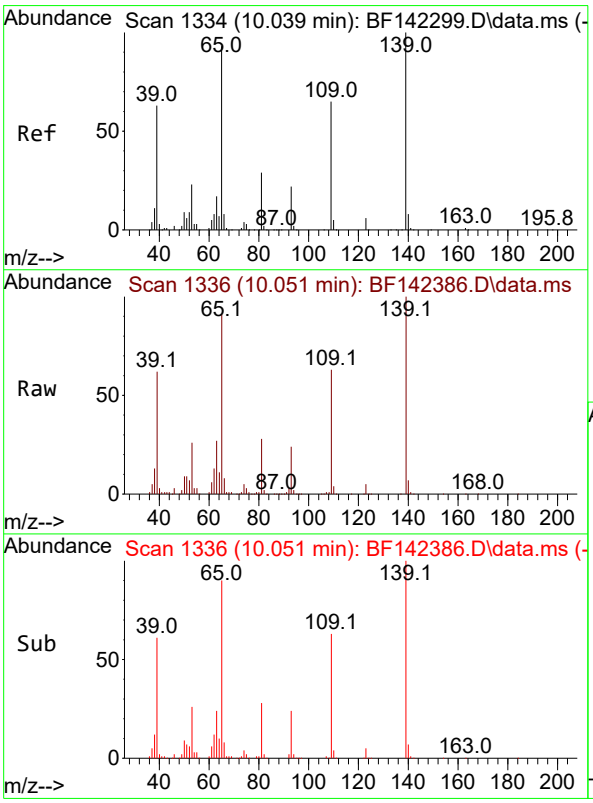
#55
Dibenzofuran
Concen: 41.493 ng
RT: 10.151 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:168 Resp: 1371115

Ion	Ratio	Lower	Upper
168	100		
139	36.2	29.0	43.4
169	13.5	10.7	16.1

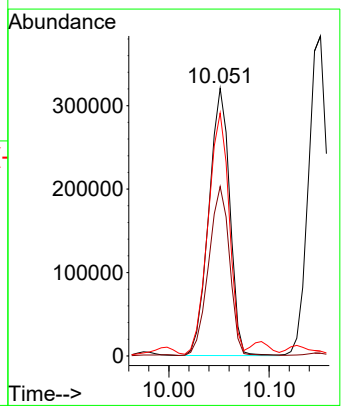


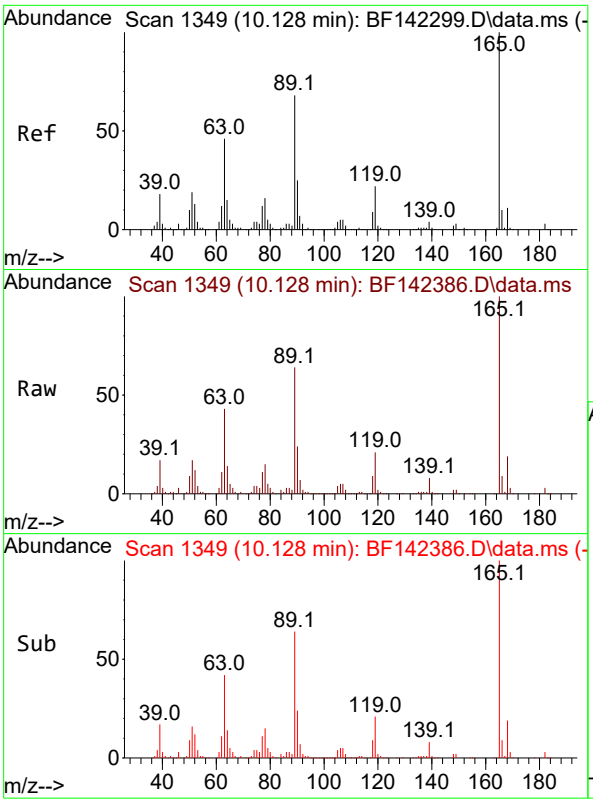


#56
4-Nitrophenol
Concen: 112.100 ng
RT: 10.051 min Scan# 1336
Delta R.T. 0.012 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:139 Resp: 464288

Ion	Ratio	Lower	Upper
139	100		
109	63.3	45.3	85.3
65	90.8	73.9	113.9



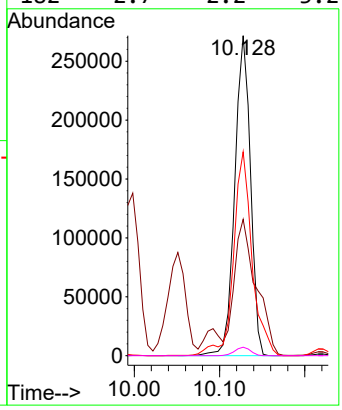


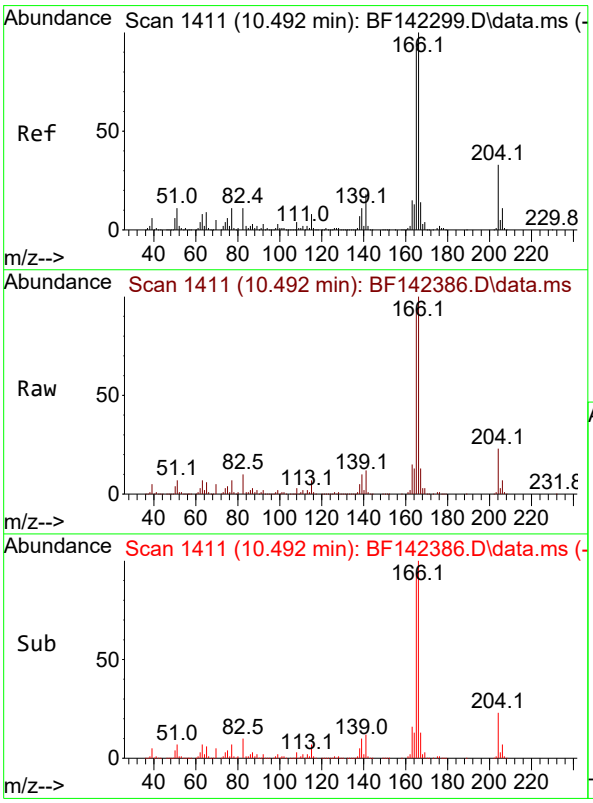
#57
2,4-Dinitrotoluene
Concen: 57.728 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:165 Resp: 347454

Ion	Ratio	Lower	Upper
165	100		
63	42.6	37.1	55.7
89	63.7	54.4	81.6
182	2.7	2.2	3.2

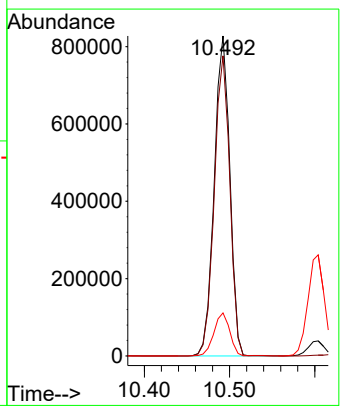


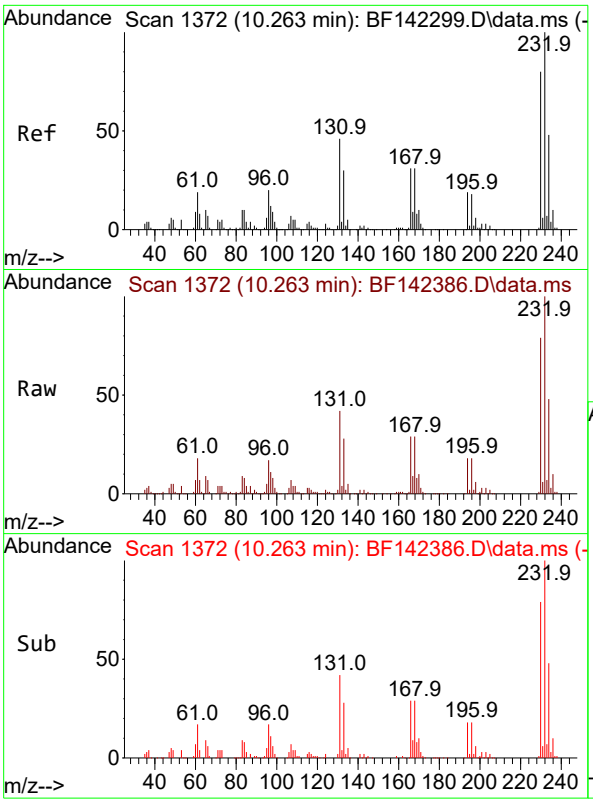


#58
Fluorene
Concen: 41.687 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:166 Resp: 1051263

Ion	Ratio	Lower	Upper
166	100		
165	93.8	74.0	111.0
167	13.5	10.9	16.3



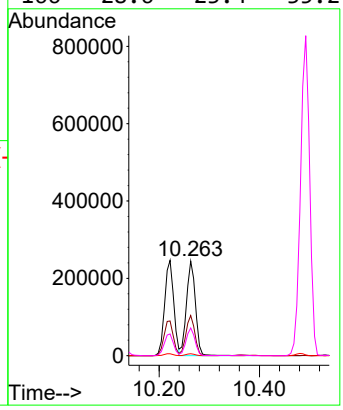


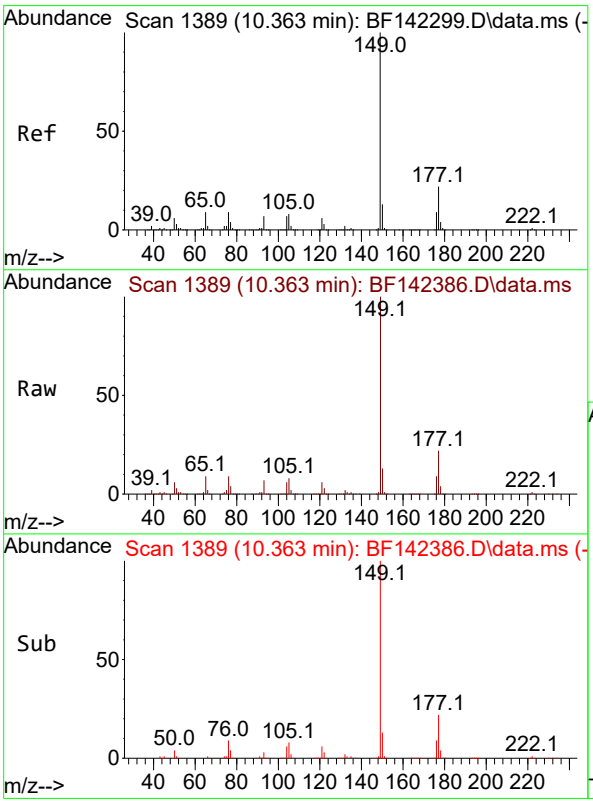
#59
2,3,4,6-Tetrachlorophenol
Concen: 50.597 ng
RT: 10.263 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:232 Resp: 305641

Ion	Ratio	Lower	Upper
232	100		
131	42.1	36.0	54.0
130	2.0	1.8	2.6
166	28.6	23.4	35.2

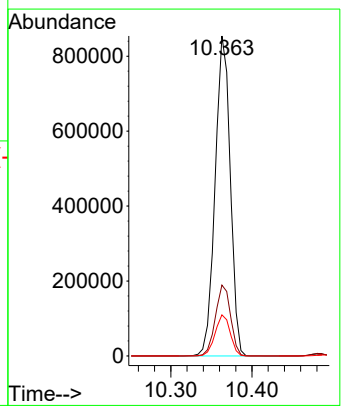


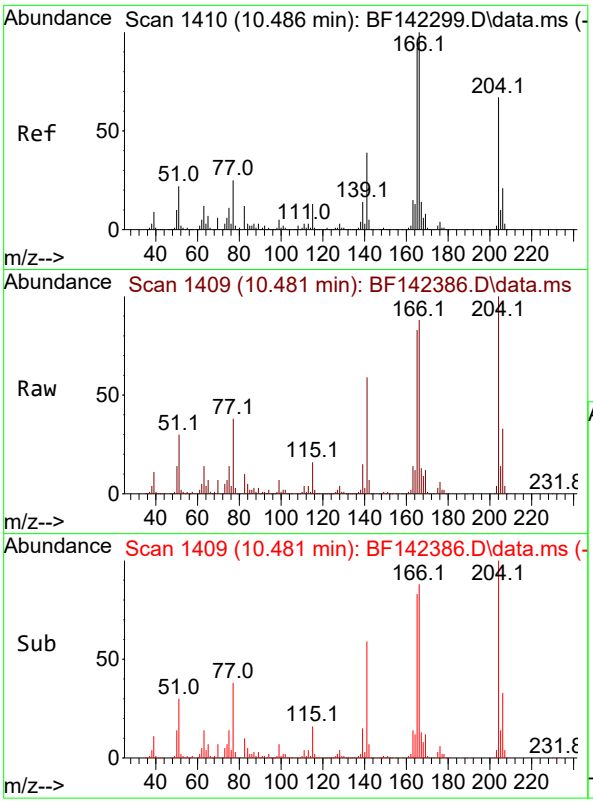


#60
Diethylphthalate
Concen: 44.226 ng
RT: 10.363 min Scan# 1389
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:149 Resp: 1107155

Ion	Ratio	Lower	Upper
149	100		
177	22.2	17.6	26.4
150	12.9	10.1	15.1



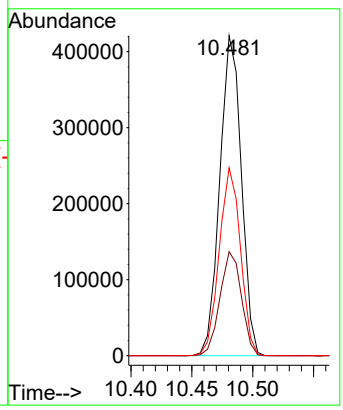


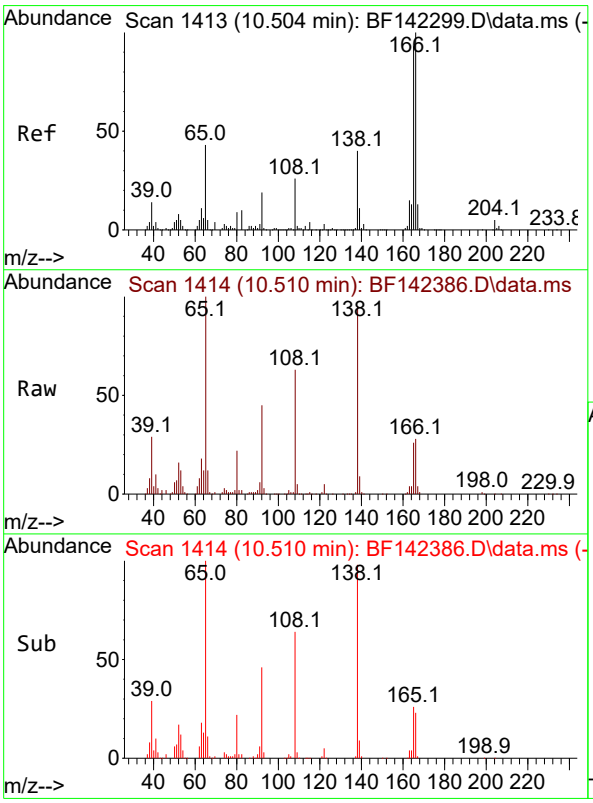
#61
4-Chlorophenyl-phenylether
Concen: 42.581 ng
RT: 10.481 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:204 Resp: 518059

Ion	Ratio	Lower	Upper
204	100		
206	32.5	25.5	38.3
141	58.7	46.4	69.6

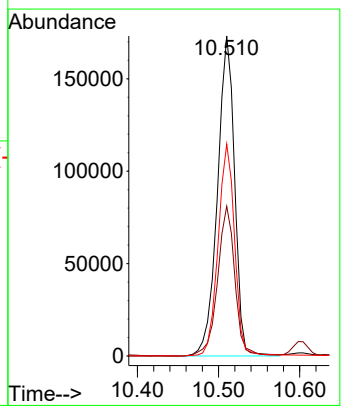


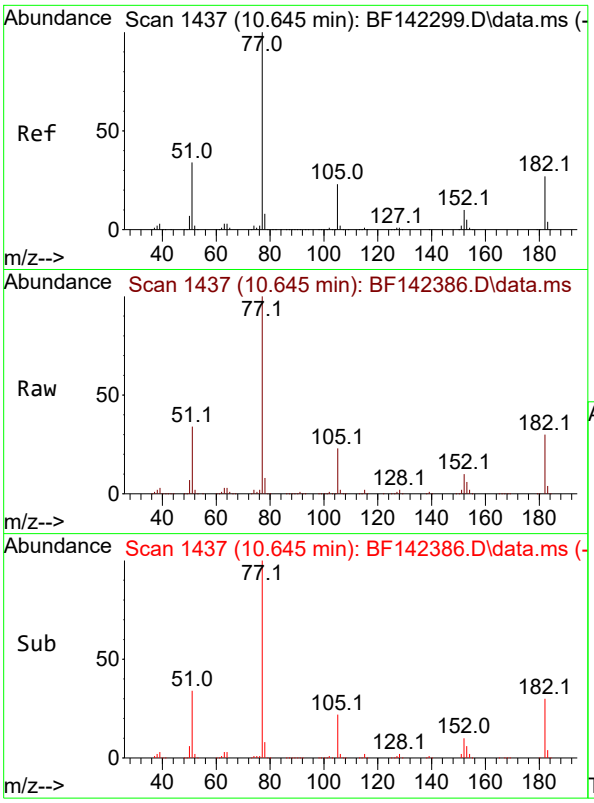


#62
4-Nitroaniline
Concen: 58.486 ng
RT: 10.510 min Scan# 1414
Delta R.T. 0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:138 Resp: 255090

Ion	Ratio	Lower	Upper
138	100		
92	46.8	27.3	67.3
108	66.2	45.1	85.1



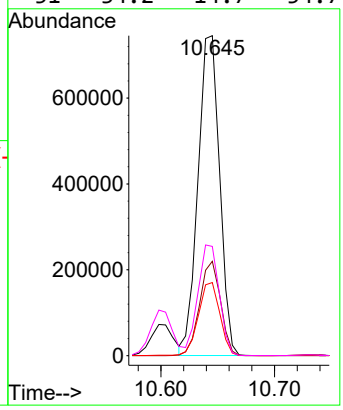


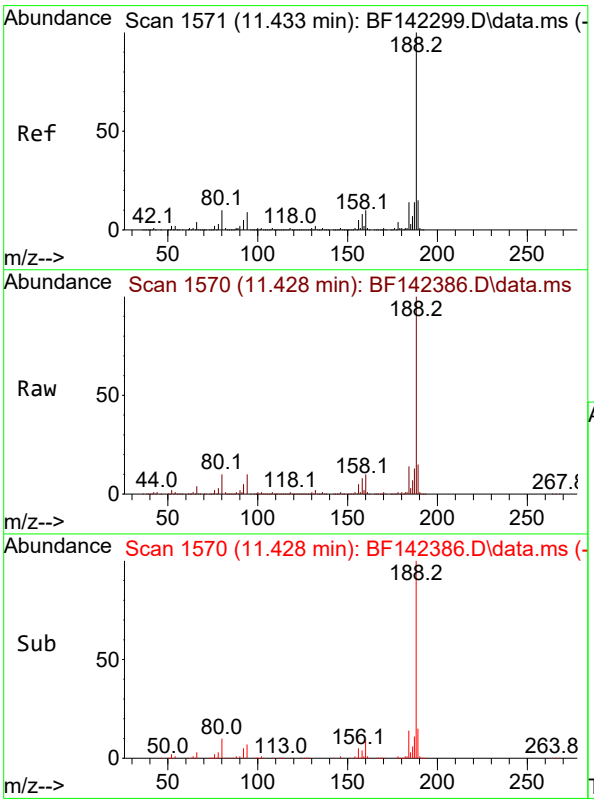
#63
Azobenzene
Concen: 41.252 ng
RT: 10.645 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion: 77 Resp: 986822

Ion	Ratio	Lower	Upper
77	100		
182	29.5	6.9	46.9
105	22.8	2.7	42.7
51	34.2	14.7	54.7

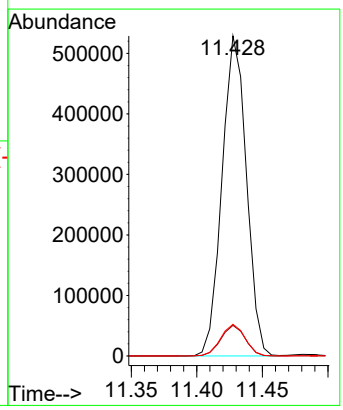


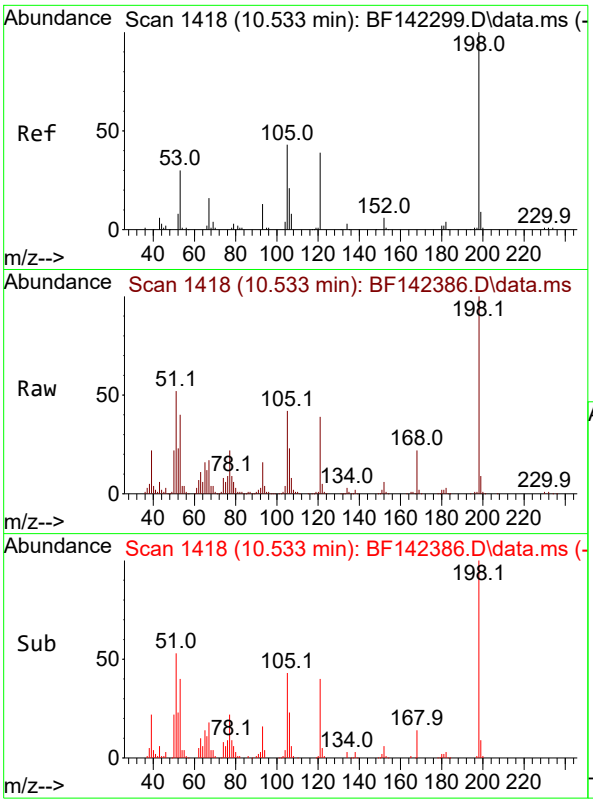


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:188 Resp: 683655

Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.5	11.3
80	9.9	7.9	11.9



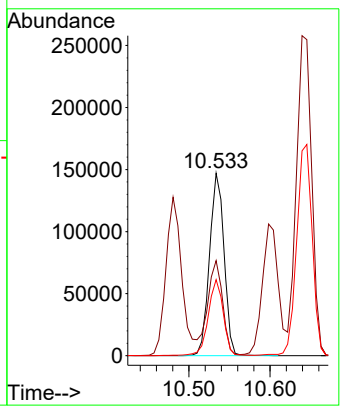


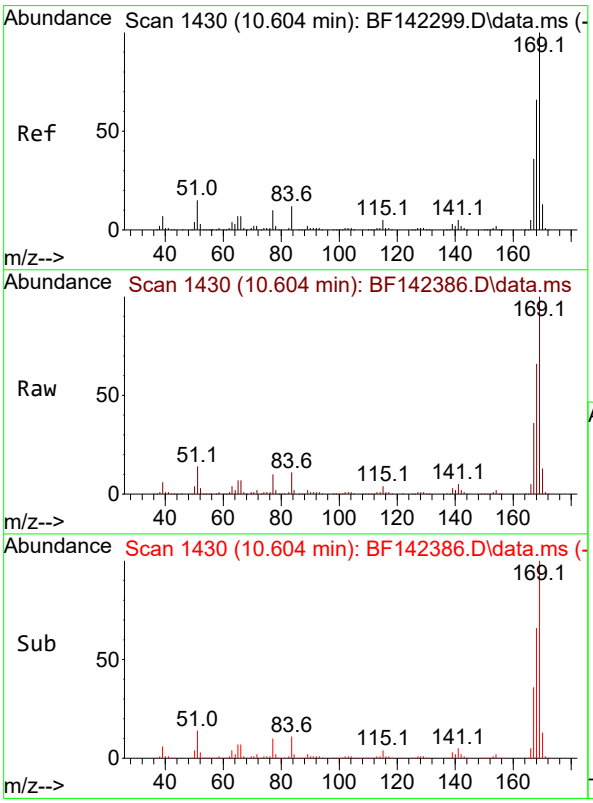
#65
4,6-Dinitro-2-methylphenol
Concen: 55.913 ng
RT: 10.533 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:198 Resp: 182627

Ion	Ratio	Lower	Upper
198	100		
51	52.1	32.9	72.9
105	41.7	23.7	63.7

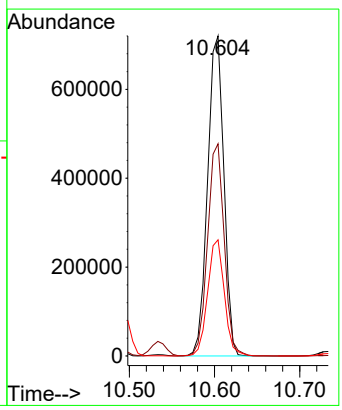


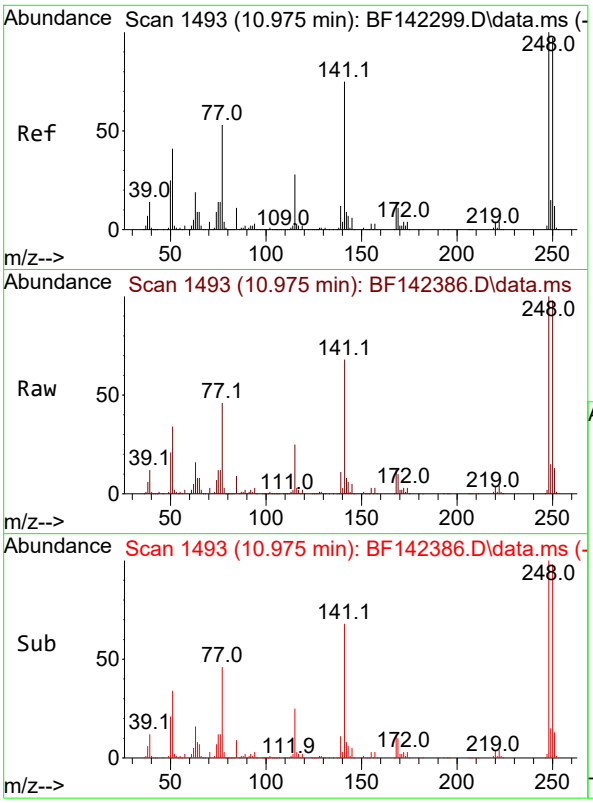


#66
n-Nitrosodiphenylamine
Concen: 42.007 ng
RT: 10.604 min Scan# 1430
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:169 Resp: 955633

Ion	Ratio	Lower	Upper
169	100		
168	66.3	53.2	79.8
167	36.3	28.9	43.3



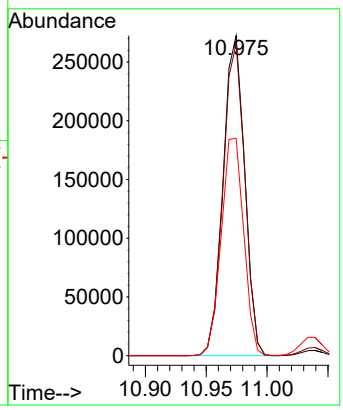


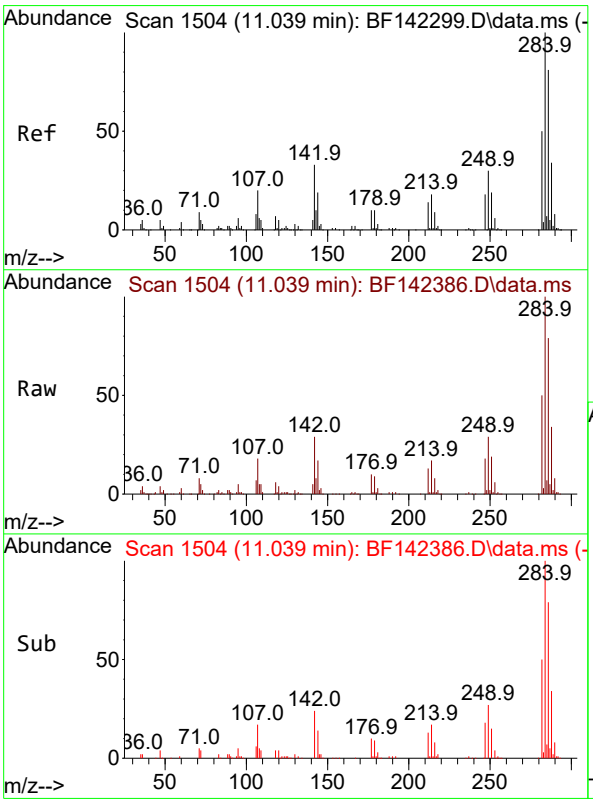
#67
4-Bromophenyl-phenylether
Concen: 43.574 ng
RT: 10.975 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:248 Resp: 337616

Ion	Ratio	Lower	Upper
248	100		
250	97.6	77.9	116.9
141	67.9	59.8	89.8

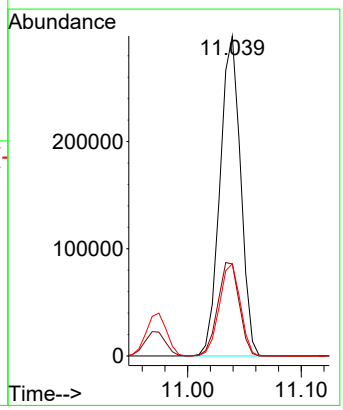


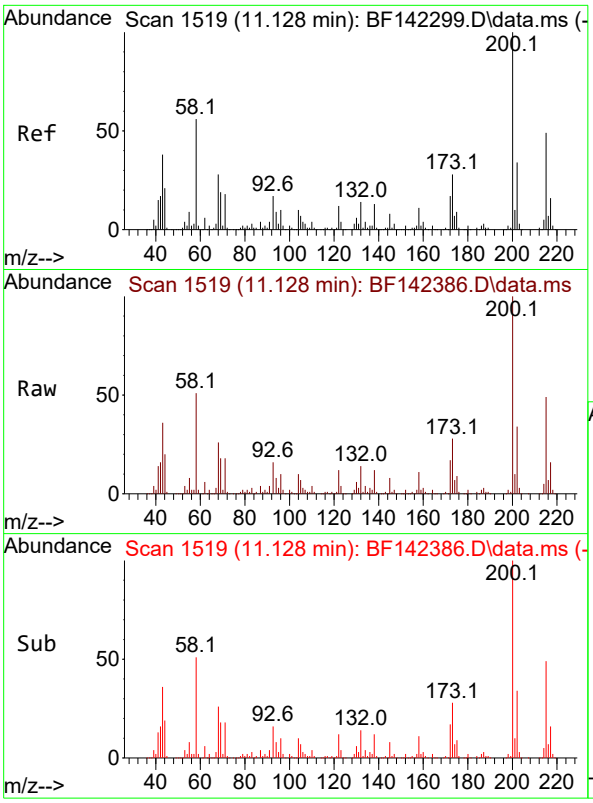


#68
Hexachlorobenzene
Concen: 44.062 ng
RT: 11.039 min Scan# 1504
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:284 Resp: 375531

Ion	Ratio	Lower	Upper
284	100		
142	28.7	26.6	39.8
249	28.8	24.1	36.1



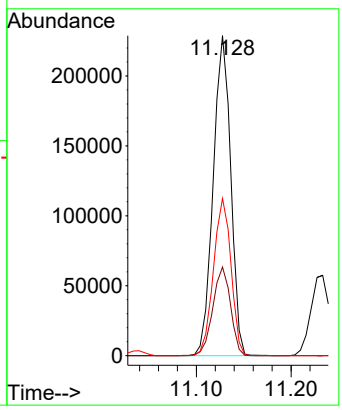


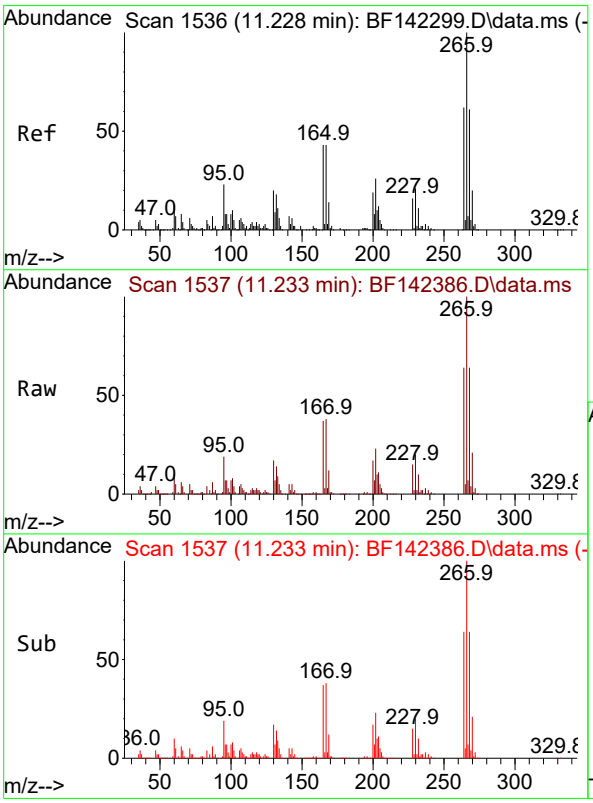
#69
Atrazine
Concen: 48.987 ng
RT: 11.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:200 Resp: 293766

Ion	Ratio	Lower	Upper
200	100		
173	27.7	8.1	48.1
215	49.1	28.8	68.8

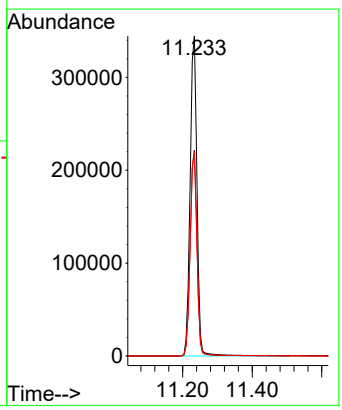


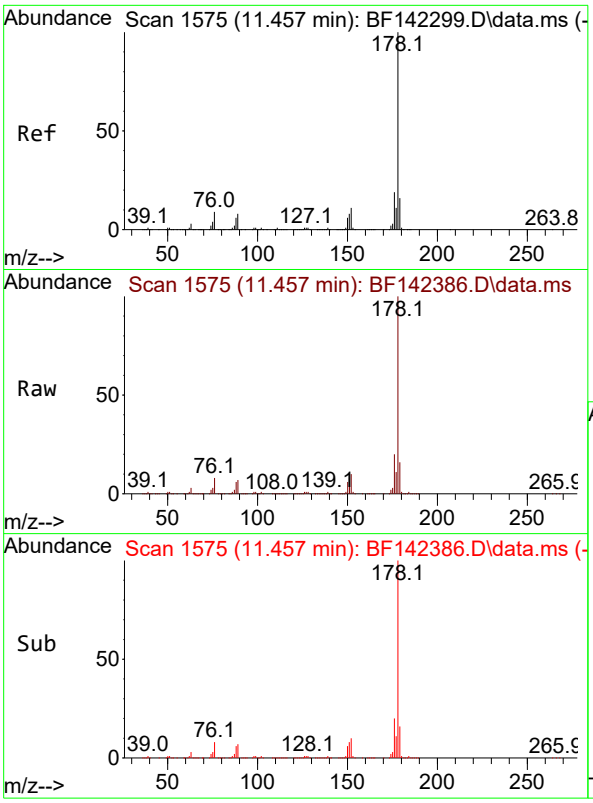


#70
Pentachlorophenol
Concen: 105.241 ng
RT: 11.233 min Scan# 1537
Delta R.T. 0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:266 Resp: 471856

Ion	Ratio	Lower	Upper
266	100		
268	64.4	48.7	73.1
264	63.8	49.8	74.6



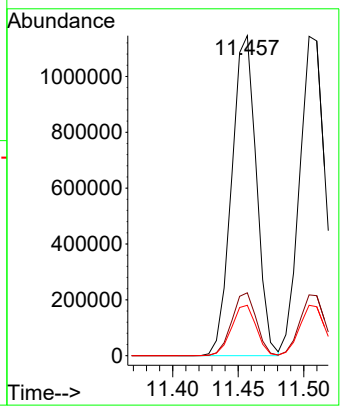


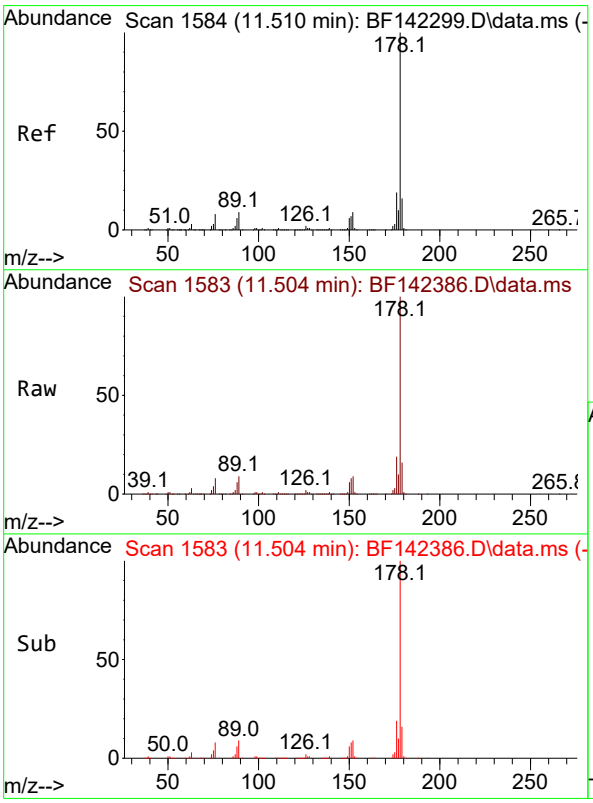
#71
Phenanthrene
Concen: 41.963 ng
RT: 11.457 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:178 Resp: 1503753

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.5	23.3
179	15.8	12.6	18.8

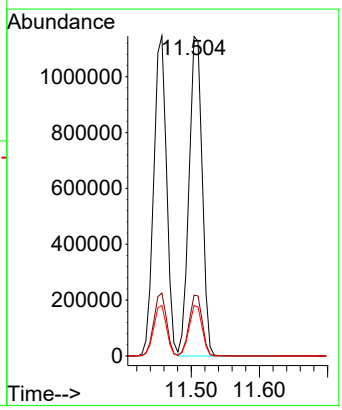


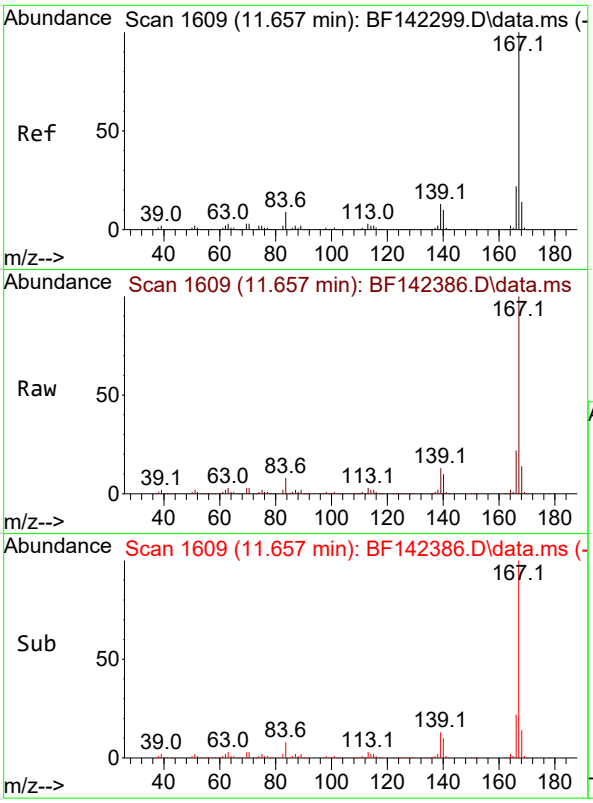


#72
Anthracene
Concen: 41.409 ng
RT: 11.504 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:178 Resp: 1524726

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.8	12.6	18.8



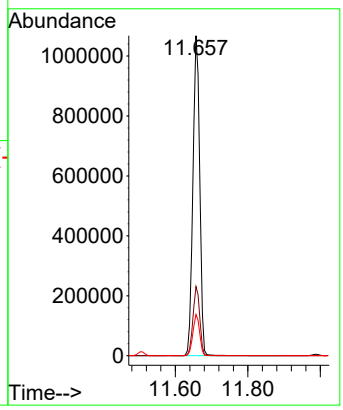


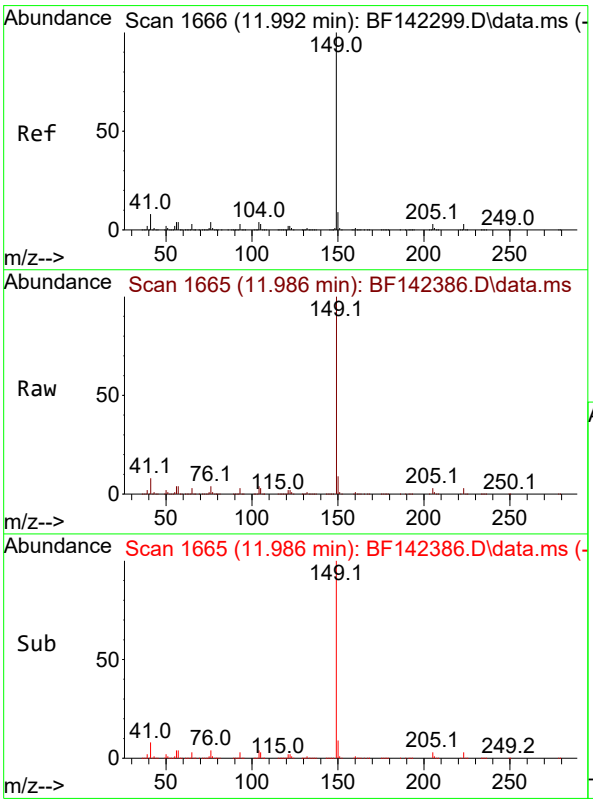
#73
Carbazole
Concen: 42.101 ng
RT: 11.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:167 Resp: 1390787

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.2	25.8
139	12.9	10.3	15.5

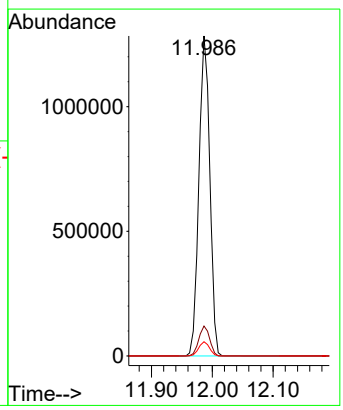


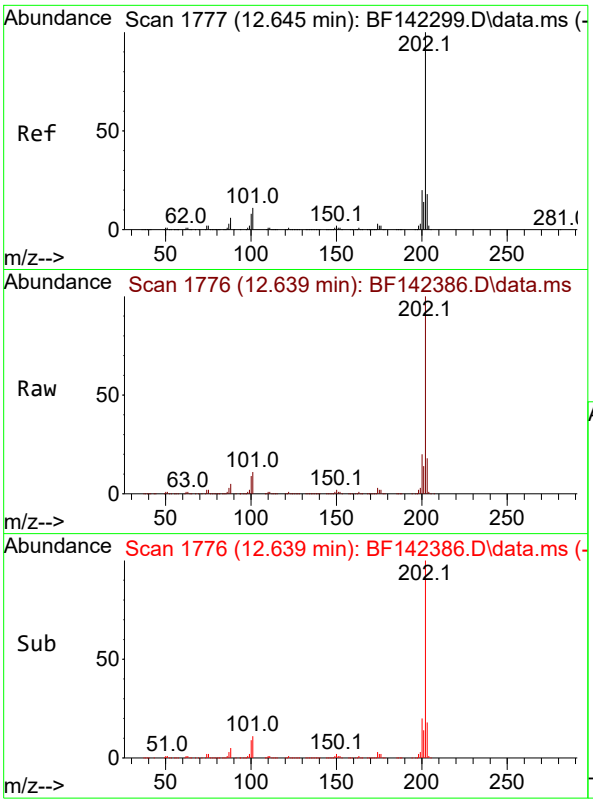


#74
Di-n-butylphthalate
Concen: 45.730 ng
RT: 11.986 min Scan# 1665
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:149 Resp: 1588510

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	4.4	3.6	5.4



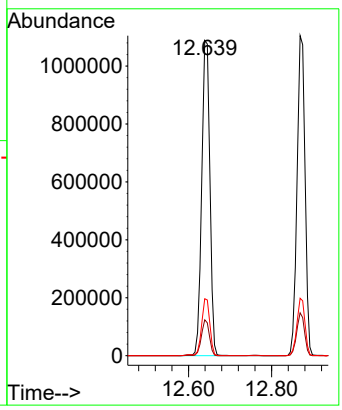


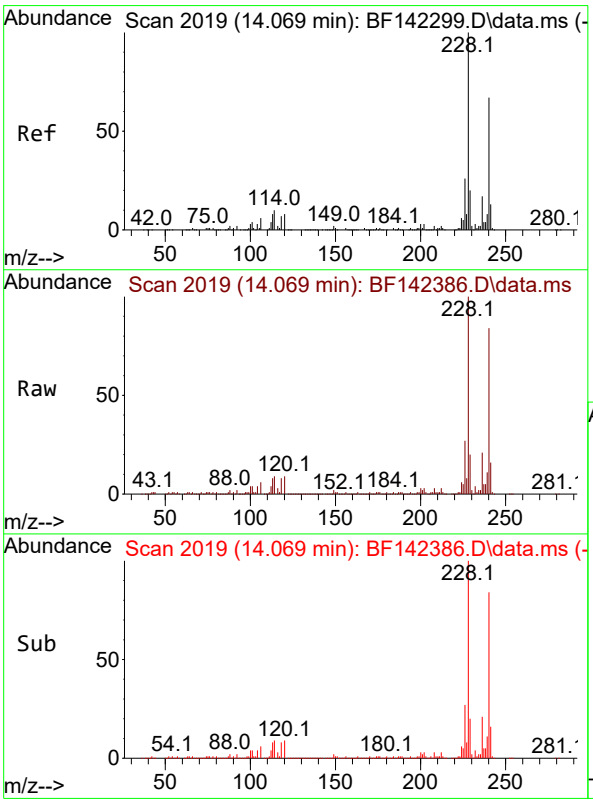
#75
Fluoranthene
Concen: 41.530 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:202 Resp: 1487674

Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	31.4
203	18.1	0.0	37.9

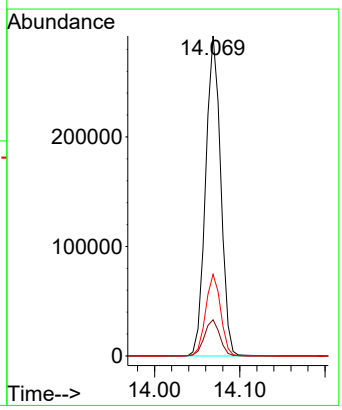


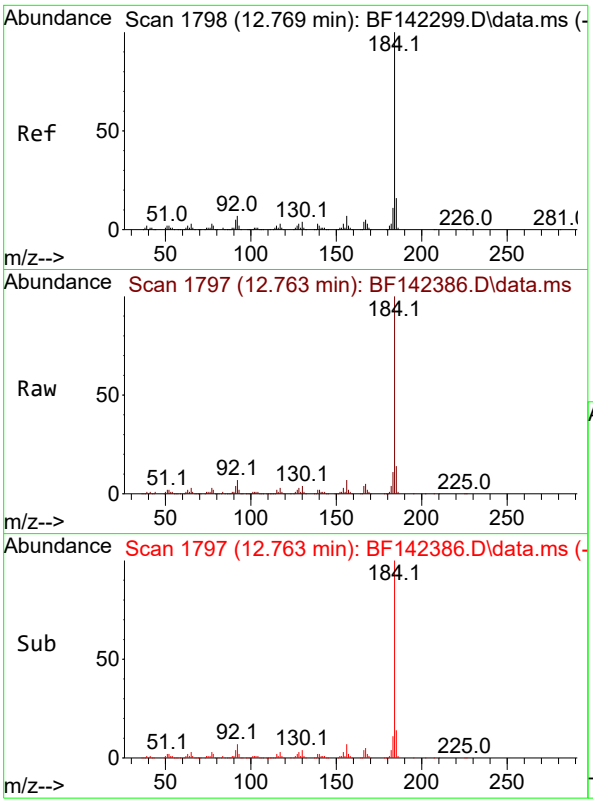


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:240 Resp: 358537

Ion	Ratio	Lower	Upper
240	100		
120	11.3	9.7	14.5
236	25.5	20.0	30.0



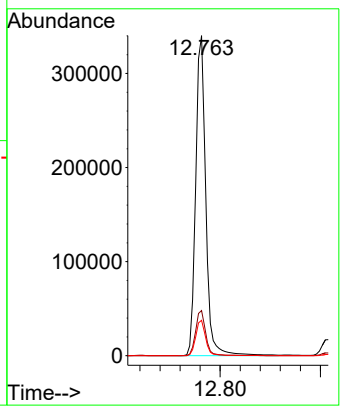


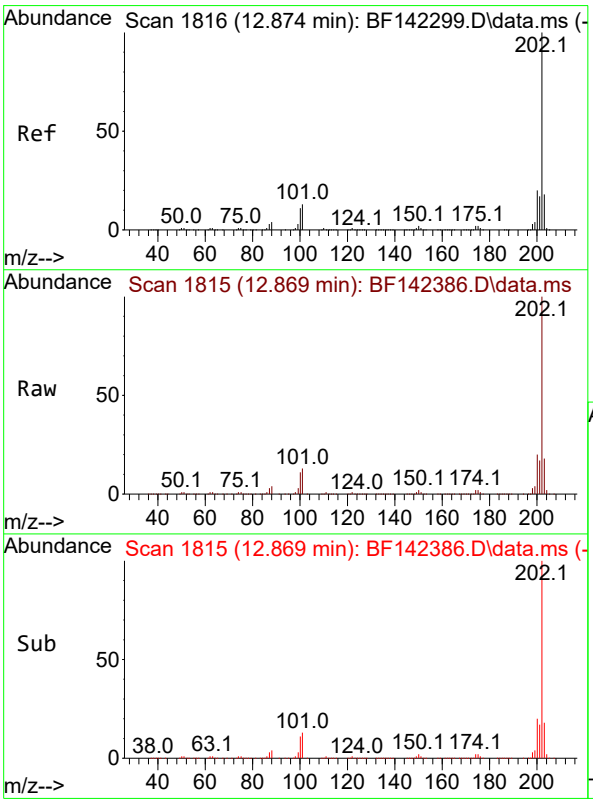
#77
Benzidine
Concen: 72.605 ng
RT: 12.763 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:184 Resp: 473065

Ion	Ratio	Lower	Upper
184	100		
185	14.1	12.6	18.8
183	11.0	8.6	12.8

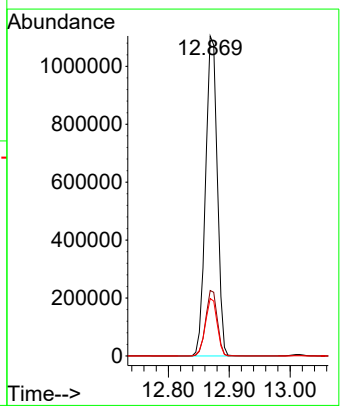


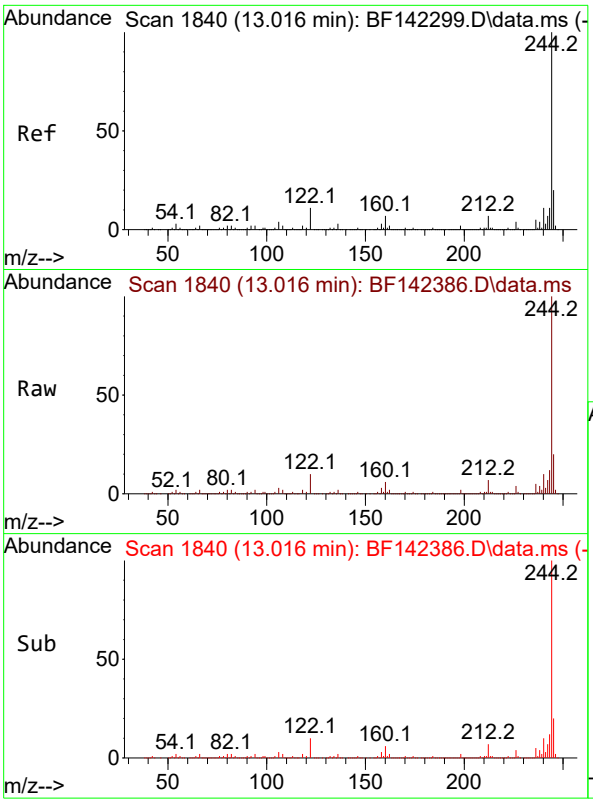


#78
Pyrene
Concen: 46.209 ng
RT: 12.869 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:202 Resp: 1474683

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.2	24.4
203	18.0	14.3	21.5



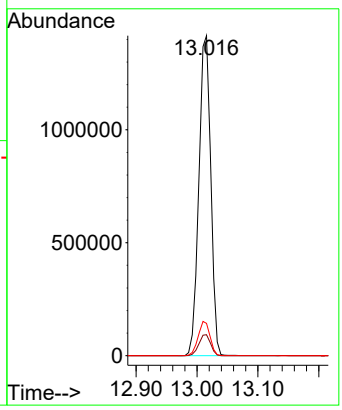


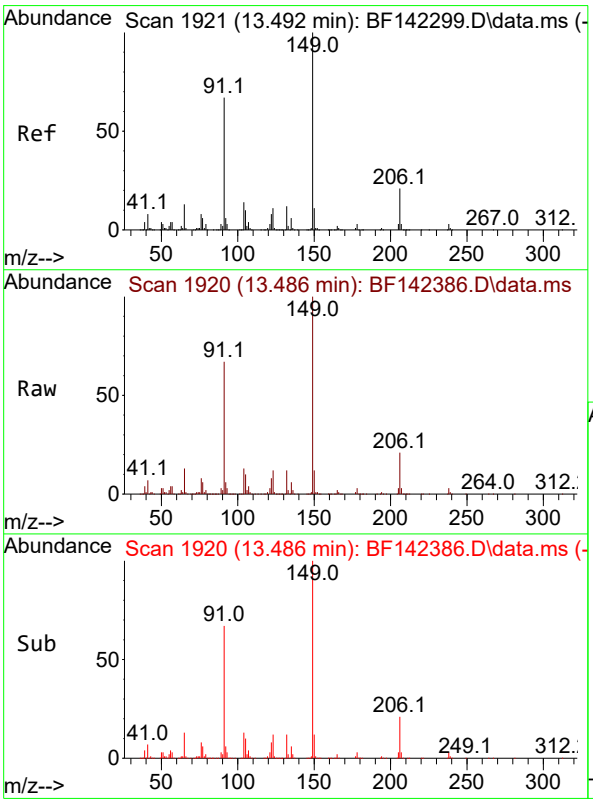
#79
Terphenyl-d14
Concen: 79.343 ng
RT: 13.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:244 Resp: 1921973

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.2
122	10.1	9.0	13.4

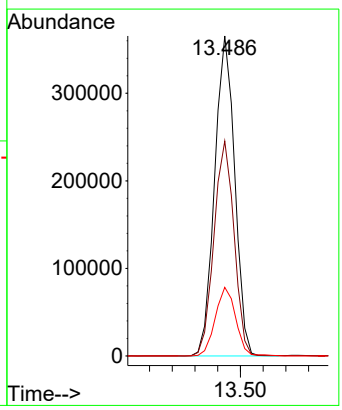


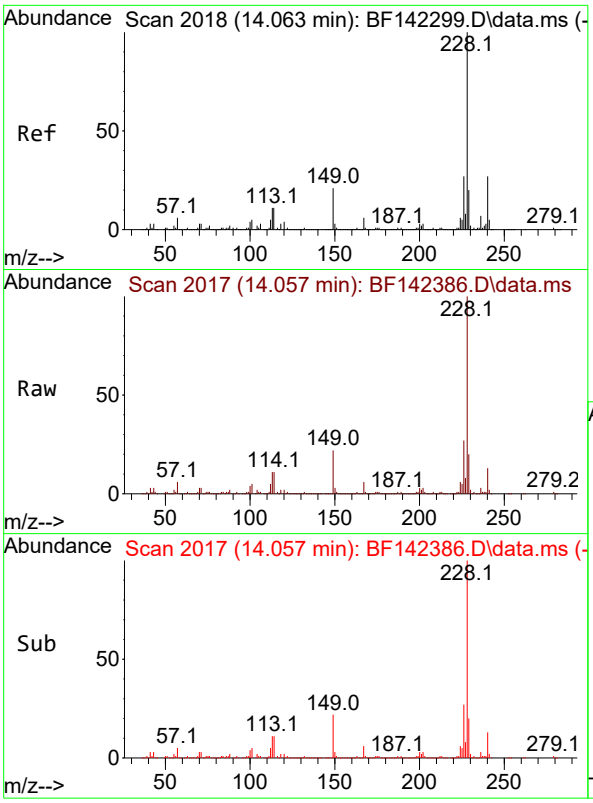


#80
Butylbenzylphthalate
Concen: 48.238 ng
RT: 13.486 min Scan# 1920
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:149 Resp: 449443

Ion	Ratio	Lower	Upper
149	100		
91	67.1	53.8	80.6
206	21.5	16.6	24.8



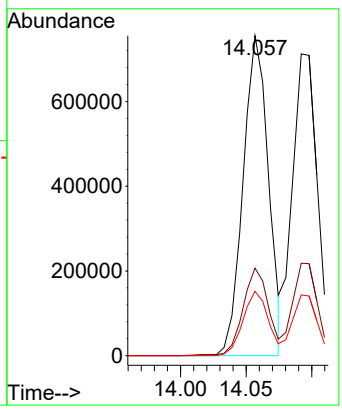


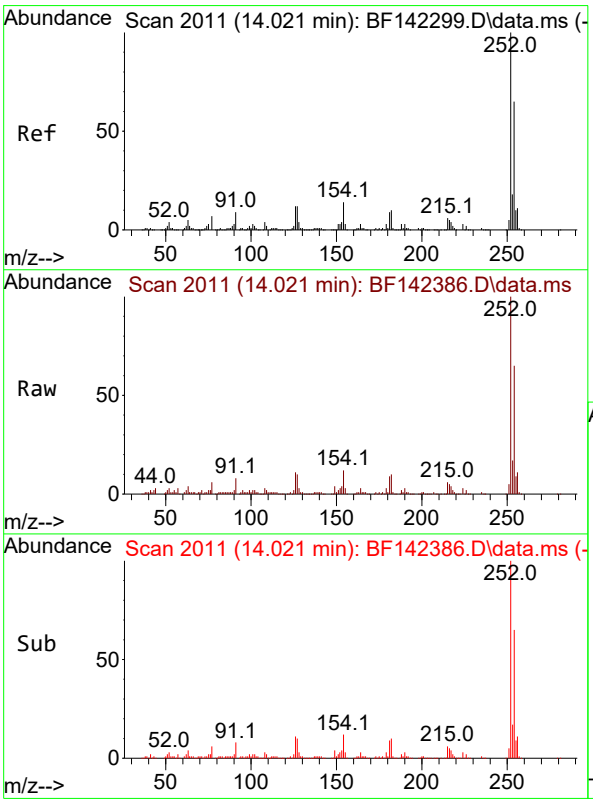
#81
Benzo(a)anthracene
Concen: 43.677 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:228 Resp: 1014145

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.5	32.3
229	20.1	15.9	23.9

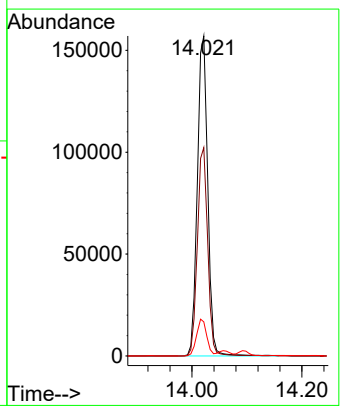


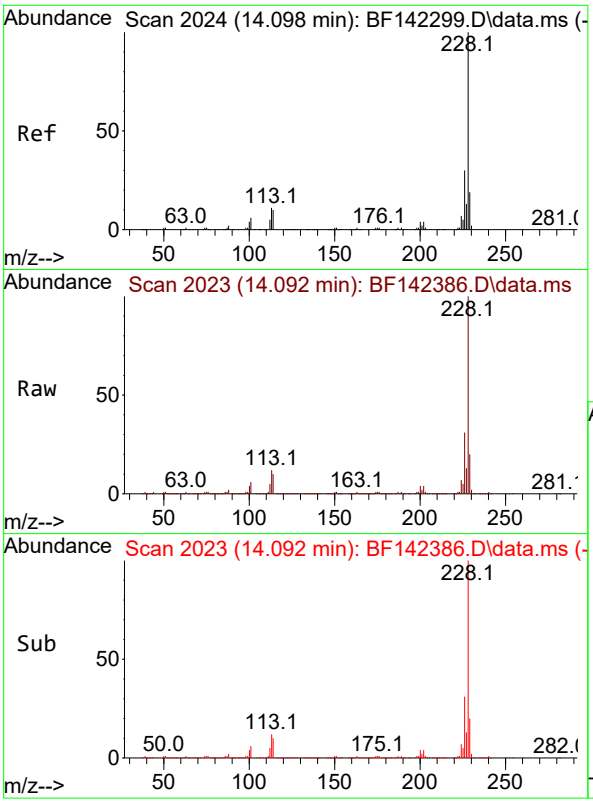


#82
3,3'-Dichlorobenzidine
Concen: 38.327 ng
RT: 14.021 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:252 Resp: 206951

Ion	Ratio	Lower	Upper
252	100		
254	65.1	52.0	78.0
126	10.7	9.7	14.5



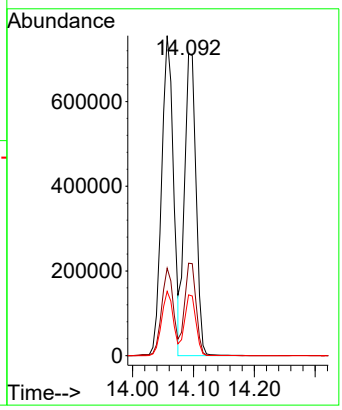


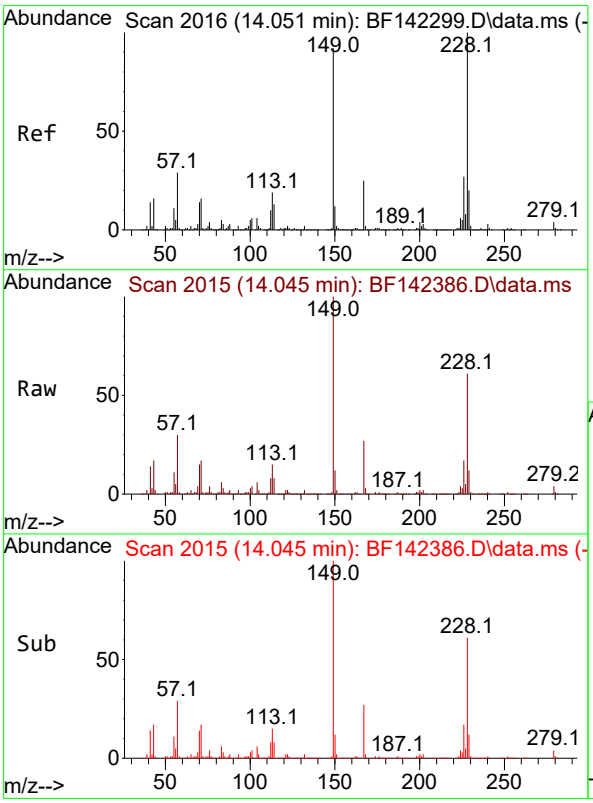
#83
Chrysene
Concen: 43.452 ng
RT: 14.092 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:228 Resp: 939233

Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.9	35.9
229	20.2	15.4	23.2

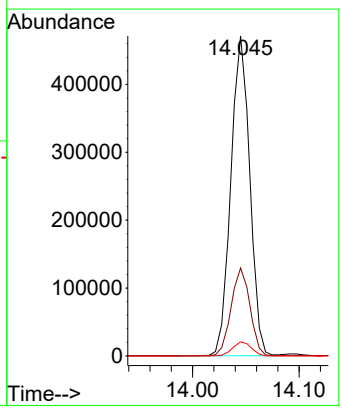


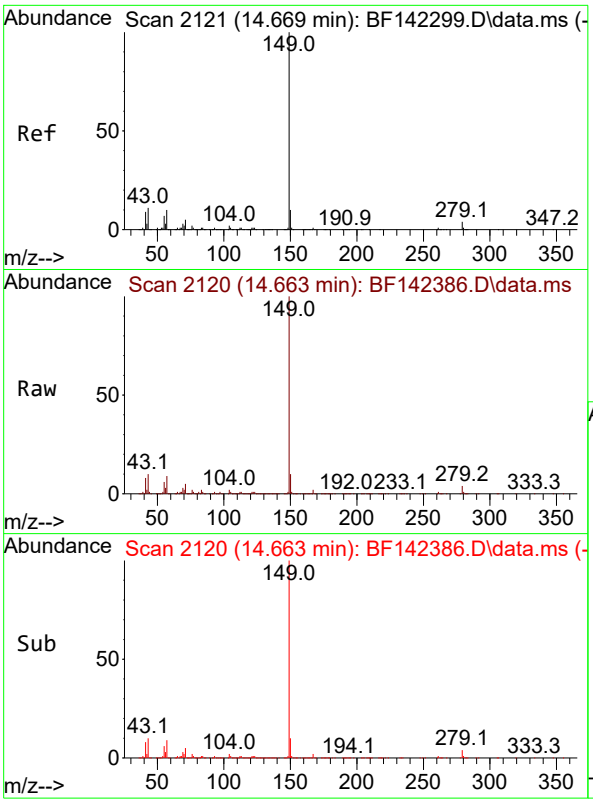


#84
Bis(2-ethylhexyl)phthalate
Concen: 47.979 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:149 Resp: 581894

Ion	Ratio	Lower	Upper
149	100		
167	27.5	22.0	33.0
279	4.4	3.0	4.6



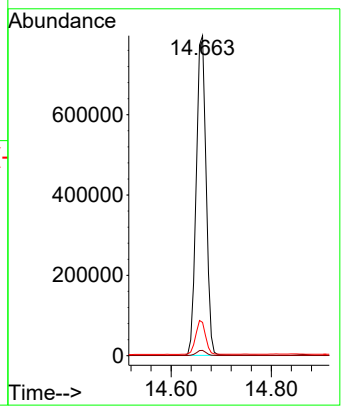


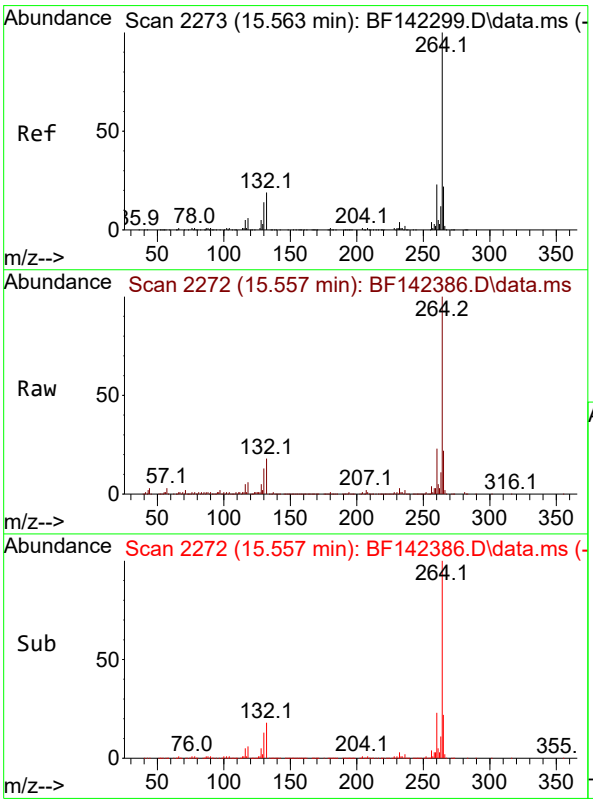
#85
Di-n-octyl phthalate
Concen: 49.196 ng
RT: 14.663 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:149 Resp: 1080903

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.1	1.7
43	10.5	9.2	13.8

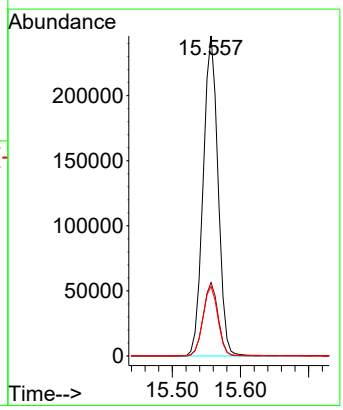


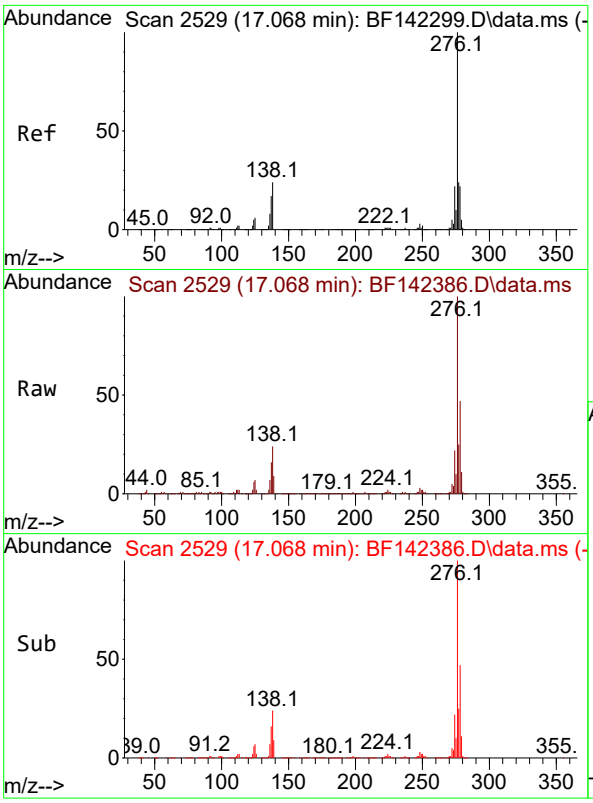


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2272
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:264 Resp: 373046

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.6	27.8
265	21.7	17.5	26.3



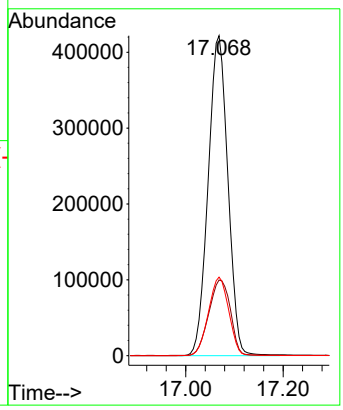


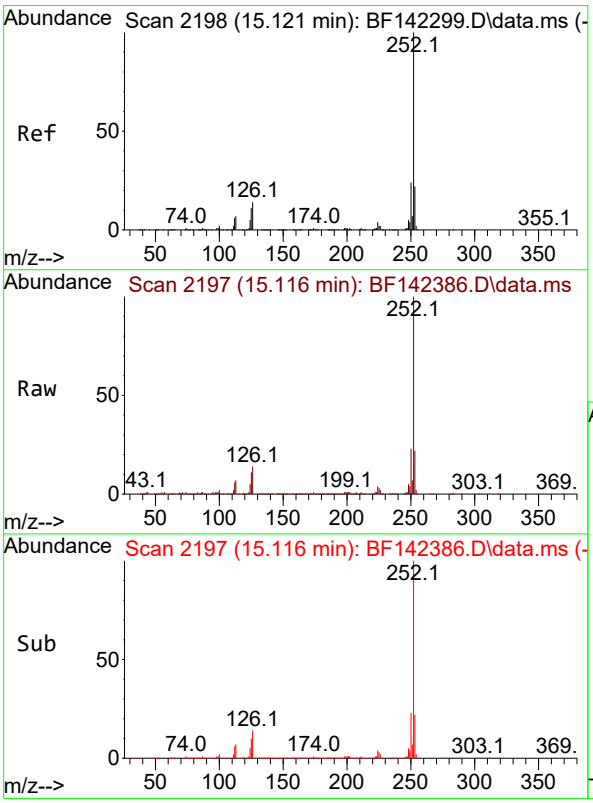
#87
Indeno(1,2,3-cd)pyrene
Concen: 45.630 ng
RT: 17.068 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:276 Resp: 1184117

Ion	Ratio	Lower	Upper
276	100		
138	25.8	22.0	33.0
277	25.4	20.1	30.1

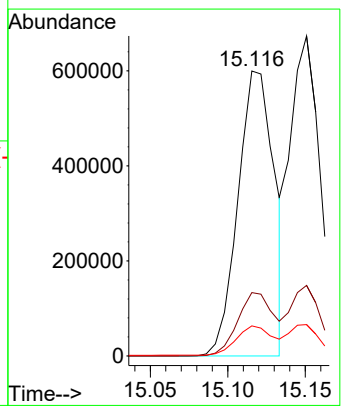


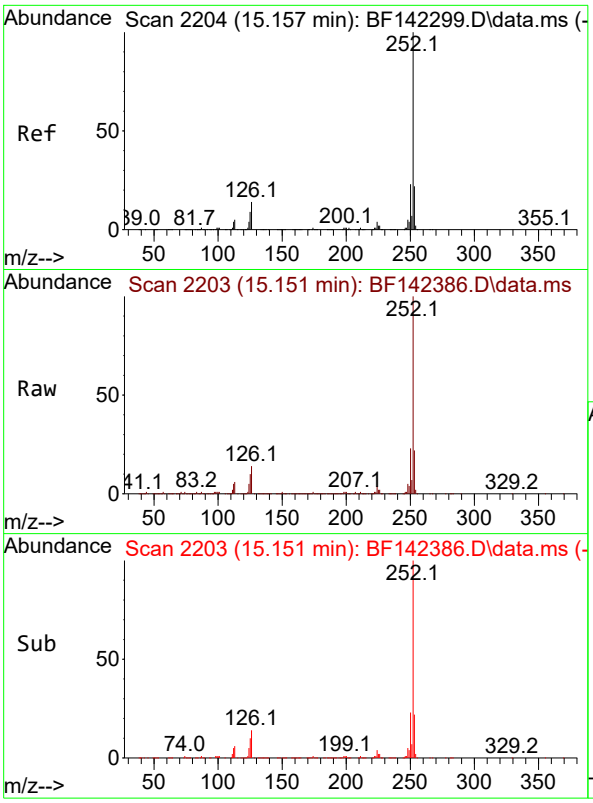


#88
Benzo(b)fluoranthene
Concen: 43.176 ng
RT: 15.116 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:252 Resp: 975513

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	10.6	8.7	13.1



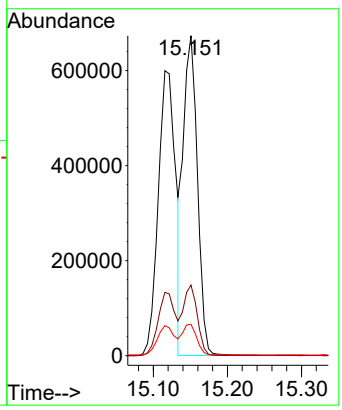


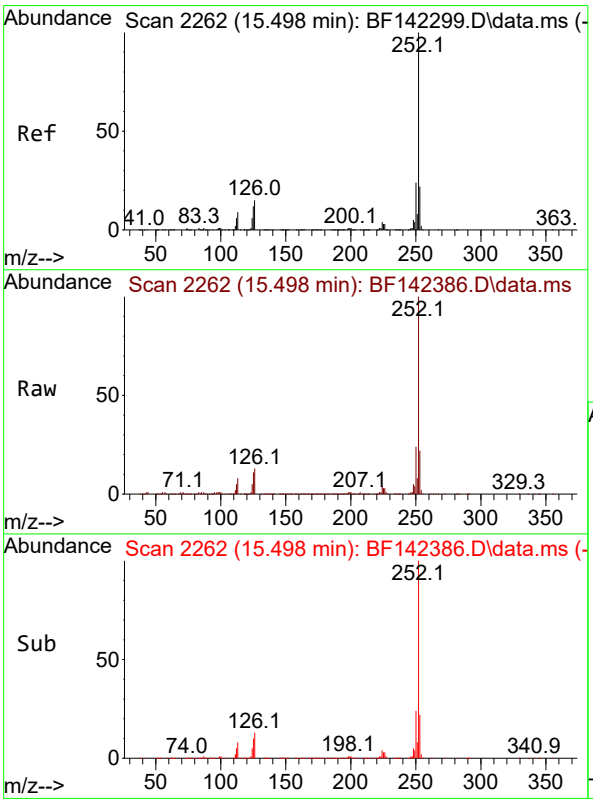
#89
Benzo(k)fluoranthene
Concen: 43.649 ng
RT: 15.151 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:252 Resp: 902489

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	9.8	8.1	12.1

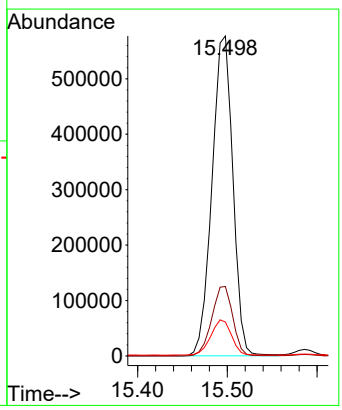


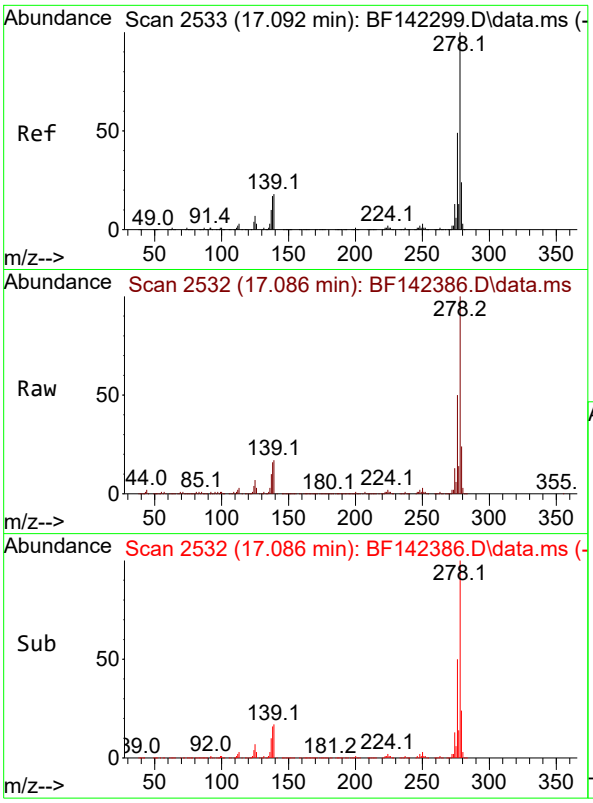


#90
Benzo(a)pyrene
Concen: 46.057 ng
RT: 15.498 min Scan# 2262
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:252 Resp: 932498

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.6
125	10.6	9.4	14.0



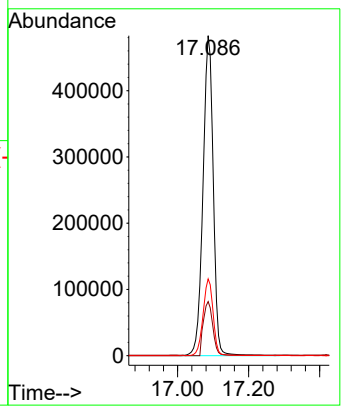


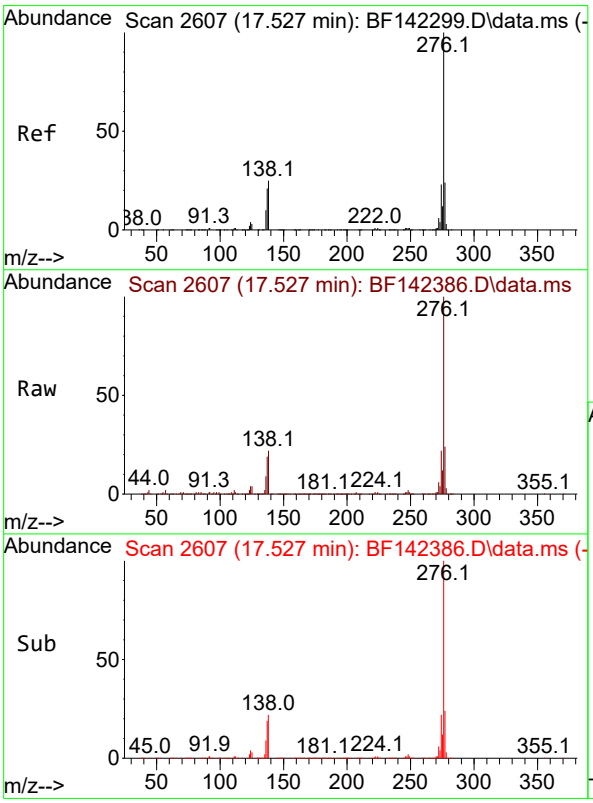
#91
Dibenzo(a,h)anthracene
Concen: 45.433 ng
RT: 17.086 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:278 Resp: 974032

Ion	Ratio	Lower	Upper
278	100		
139	16.9	14.5	21.7
279	24.0	18.9	28.3

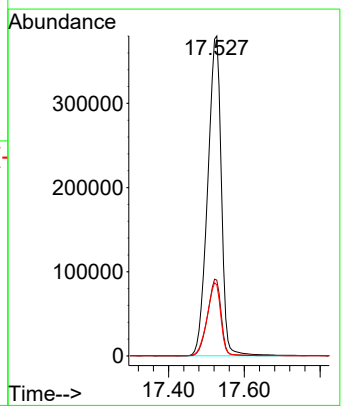




#92
Benzo(g,h,i)perylene
Concen: 44.356 ng
RT: 17.527 min Scan# 2607
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:276 Resp: 943811

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.0	28.6
138	22.2	19.8	29.6



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:	05/08/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/09/25
Client Sample ID:	MW-3-20250508MS	SDG No.:	Q1985
Lab Sample ID:	Q1993-02MS	Matrix:	Water
Analytical Method:	8270E	% 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
BF142388.D	1	05/12/25 08:40	05/15/25 12:18	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	33.4		3.90	8.00	10.0	ug/L
108-95-2	Phenol	17.3		0.91	4.00	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	34.1		0.81	4.00	5.00	ug/L
95-57-8	2-Chlorophenol	37.9		0.58	4.00	5.00	ug/L
95-48-7	2-Methylphenol	31.6		1.10	4.00	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	38.8		1.30	4.00	5.00	ug/L
98-86-2	Acetophenone	42.8		0.74	4.00	5.00	ug/L
65794-96-9	3+4-Methylphenols	28.4		1.10	8.00	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	42.7		1.40	2.50	2.50	ug/L
67-72-1	Hexachloroethane	33.9		0.65	4.00	5.00	ug/L
98-95-3	Nitrobenzene	46.1		0.76	4.00	5.00	ug/L
78-59-1	Isophorone	43.9		0.75	4.00	5.00	ug/L
88-75-5	2-Nitrophenol	51.3		1.80	4.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	40.9		1.90	4.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	42.7		0.68	4.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	44.9		0.52	4.00	5.00	ug/L
91-20-3	Naphthalene	40.6		0.50	4.00	5.00	ug/L
106-47-8	4-Chloroaniline	18.8		0.84	4.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	38.9		0.54	4.00	5.00	ug/L
105-60-2	Caprolactam	8.70	J	1.10	8.00	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	40.9		0.59	4.00	5.00	ug/L
91-57-6	2-Methylnaphthalene	42.6		0.56	4.00	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	84.3	E	3.60	8.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	51.2		0.51	4.00	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	46.6		0.62	4.00	5.00	ug/L
92-52-4	1,1-Biphenyl	43.7		0.53	4.00	5.00	ug/L
91-58-7	2-Chloronaphthalene	43.5		0.61	4.00	5.00	ug/L
88-74-4	2-Nitroaniline	50.5		1.30	4.00	5.00	ug/L
131-11-3	Dimethylphthalate	46.3		0.61	4.00	5.00	ug/L

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:	05/08/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/09/25
Client Sample ID:	MW-3-20250508MS	SDG No.:	Q1985
Lab Sample ID:	Q1993-02MS	Matrix:	Water
Analytical Method:	8270E	% 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
BF142388.D	1	05/12/25 08:40	05/15/25 12:18	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	43.4		0.75	4.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	54.9		0.92	4.00	5.00	ug/L
99-09-2	3-Nitroaniline	25.9		1.10	4.00	5.00	ug/L
83-32-9	Acenaphthene	48.1		0.55	4.00	5.00	ug/L
51-28-5	2,4-Dinitrophenol	110	E	6.00	8.00	10.0	ug/L
100-02-7	4-Nitrophenol	36.2		2.40	8.00	10.0	ug/L
132-64-9	Dibenzofuran	43.1		0.61	4.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	55.9		1.20	4.00	5.00	ug/L
84-66-2	Diethylphthalate	69.8		0.69	4.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	44.5		0.68	4.00	5.00	ug/L
86-73-7	Fluorene	42.5		0.63	4.00	5.00	ug/L
100-01-6	4-Nitroaniline	48.8		1.50	4.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	58.2		2.90	8.00	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	48.0		0.58	4.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	49.9		0.40	4.00	5.00	ug/L
118-74-1	Hexachlorobenzene	49.7		0.52	4.00	5.00	ug/L
1912-24-9	Atrazine	45.2		1.00	4.00	5.00	ug/L
87-86-5	Pentachlorophenol	110	E	1.60	8.00	10.0	ug/L
85-01-8	Phenanthrene	44.7		0.50	4.00	5.00	ug/L
120-12-7	Anthracene	43.9		0.61	4.00	5.00	ug/L
86-74-8	Carbazole	40.4		0.72	4.00	5.00	ug/L
84-74-2	Di-n-butylphthalate	50.4		1.20	4.00	5.00	ug/L
206-44-0	Fluoranthene	39.8		0.82	4.00	5.00	ug/L
129-00-0	Pyrene	39.4		0.50	4.00	5.00	ug/L
85-68-7	Butylbenzylphthalate	54.6		1.90	4.00	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	41.2		0.93	8.00	10.0	ug/L
56-55-3	Benzo(a)anthracene	46.2		0.45	4.00	5.00	ug/L
218-01-9	Chrysene	45.6		0.44	4.00	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	56.7		1.60	4.00	5.00	ug/L
117-84-0	Di-n-octyl phthalate	55.5		2.30	8.00	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	46.4		0.49	4.00	5.00	ug/L

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:	05/08/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/09/25
Client Sample ID:	MW-3-20250508MS	SDG No.:	Q1985
Lab Sample ID:	Q1993-02MS	Matrix:	Water
Analytical Method:	8270E	% 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
BF142388.D	1	05/12/25 08:40	05/15/25 12:18	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	46.4		0.48	4.00	5.00	ug/L
50-32-8	Benzo(a)pyrene	48.8		0.55	4.00	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	40.3		0.59	4.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	39.9		0.67	4.00	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	37.7		0.69	4.00	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	43.5		0.52	4.00	5.00	ug/L
123-91-1	1,4-Dioxane	17.3		1.00	4.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	48.6		0.72	4.00	5.00	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	63.8		19 - 119		43%	SPK: 150
13127-88-3	Phenol-d6	41.3		10 - 130		28%	SPK: 150
4165-60-0	Nitrobenzene-d5	85.9		44 - 120		86%	SPK: 100
321-60-8	2-Fluorobiphenyl	76.0		44 - 119		76%	SPK: 100
118-79-6	2,4,6-Tribromophenol	138		43 - 140		92%	SPK: 150
1718-51-0	Terphenyl-d14	68.2		50 - 134		68%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	173000	6.904				
1146-65-2	Naphthalene-d8	662000	8.187				
15067-26-2	Acenaphthene-d10	349000	9.939				
1517-22-2	Phenanthrene-d10	538000	11.428				
1719-03-5	Chrysene-d12	310000	14.069				
1520-96-3	Perylene-d12	368000	15.557				

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\BF051525\
Data File : BF142388.D
Acq On : 15 May 2025 12:18
Operator : RC/JU
Sample : Q1993-02MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Quant Time: May 15 13:13:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.904	152	172758	20.000	ng		0.00
21) Naphthalene-d8	8.187	136	661579	20.000	ng		0.00
39) Acenaphthene-d10	9.939	164	349080	20.000	ng		0.00
64) Phenanthrene-d10	11.428	188	537648	20.000	ng		0.00
76) Chrysene-d12	14.069	240	310239	20.000	ng		0.00
86) Perylene-d12	15.557	264	367976	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.516	112	645246	63.759	ng		0.00
7) Phenol-d6	6.522	99	513718	41.273	ng		0.00
23) Nitrobenzene-d5	7.469	82	932224	85.936	ng		0.00
42) 2,4,6-Tribromophenol	10.733	330	464026	137.681	ng		0.00
45) 2-Fluorobiphenyl	9.263	172	1860447	75.993	ng		0.00
79) Terphenyl-d14	13.010	244	1429949	68.221	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.728	88	78691	17.267	ng		97
3) Pyridine	3.487	79	182339	17.042	ng		98
4) n-Nitrosodimethylamine	3.428	42	115314	18.544	ng		94
6) Aniline	6.563	93	404794	33.156	ng		99
8) 2-Chlorophenol	6.687	128	409681	37.883	ng		97
9) Benzaldehyde	6.451	77	243231	33.388	ng		99
10) Phenol	6.534	94	228634	17.329	ng		98
11) bis(2-Chloroethyl)ether	6.634	93	443232	34.066	ng		97
12) 1,3-Dichlorobenzene	6.846	146	412960	33.378	ng		97
13) 1,4-Dichlorobenzene	6.922	146	422266	33.992	ng		99
14) 1,2-Dichlorobenzene	7.075	146	416285	34.912	ng		99
15) Benzyl Alcohol	7.040	79	272744	33.840	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.175	45	753579	38.785	ng		99
17) 2-Methylphenol	7.151	107	276466	31.577	ng		99
18) Hexachloroethane	7.416	117	140013	33.875	ng		99
19) n-Nitroso-di-n-propyla...	7.316	70	329104	42.745	ng		97
20) 3+4-Methylphenols	7.304	107	310142	28.383	ng	#	64
22) Acetophenone	7.310	105	629515	42.795	ng		99
24) Nitrobenzene	7.487	77	471629	46.123	ng		96
25) Isophorone	7.722	82	902585	43.939	ng		100
26) 2-Nitrophenol	7.798	139	254589	51.343	ng		99
27) 2,4-Dimethylphenol	7.834	122	422391	40.898	ng		99
28) bis(2-Chloroethoxy)met...	7.934	93	563392	42.653	ng		98
29) 2,4-Dichlorophenol	8.040	162	394568	44.936	ng		98
30) 1,2,4-Trichlorobenzene	8.128	180	395832	40.057	ng		99
31) Naphthalene	8.210	128	1302962	40.636	ng		100
32) Benzoic acid	7.904	122	88700	21.457	ng		99
33) 4-Chloroaniline	8.251	127	246466m	18.838	ng		
34) Hexachlorobutadiene	8.322	225	227885	38.945	ng		100
35) Caprolactam	8.622	113	22274	8.704	ng		98
36) 4-Chloro-3-methylphenol	8.722	107	372907	40.855	ng		100
37) 2-Methylnaphthalene	8.898	142	848266	42.575	ng		99
38) 1-Methylnaphthalene	8.998	142	875361	42.153	ng		99
40) 1,2,4,5-Tetrachloroben...	9.063	216	424400	43.530	ng		99
41) Hexachlorocyclopentadiene	9.051	237	507870	84.288	ng		99
43) 2,4,6-Trichlorophenol	9.169	196	314642	51.164	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142388.D
Acq On : 15 May 2025 12:18
Operator : RC/JU
Sample : Q1993-02MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Quant Time: May 15 13:13:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration

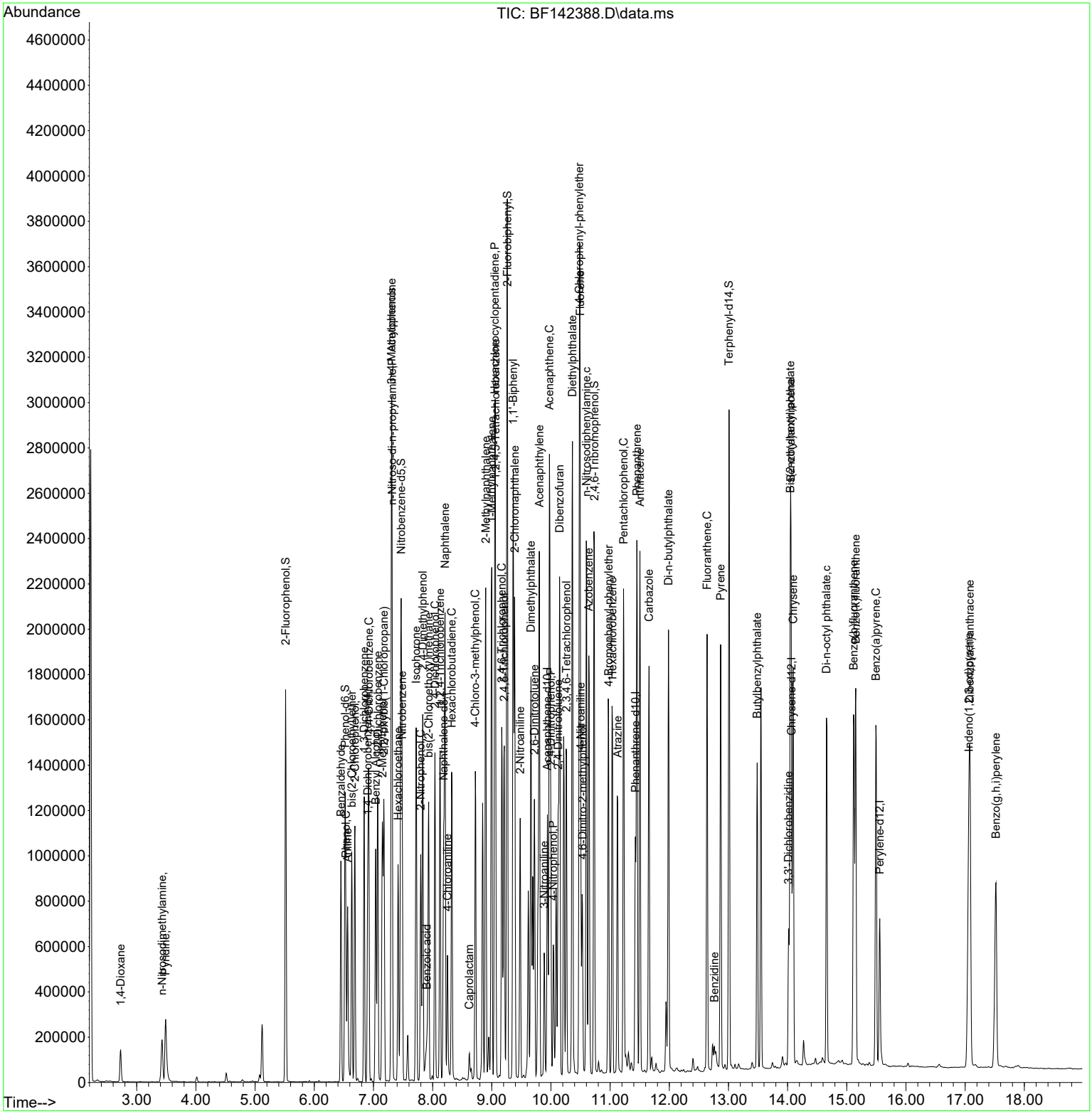
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	304721	46.570	ng		98
46) 1,1'-Biphenyl	9.363	154	1168846	43.670	ng		99
47) 2-Chloronaphthalene	9.387	162	866810	43.548	ng		99
48) 2-Nitroaniline	9.481	65	257479	50.466	ng		91
49) Acenaphthylene	9.804	152	1443735	43.358	ng		100
50) Dimethylphthalate	9.663	163	1038662	46.337	ng		100
51) 2,6-Dinitrotoluene	9.722	165	230553	54.949	ng		89
52) Acenaphthene	9.975	154	963224	48.109	ng		98
53) 3-Nitroaniline	9.886	138	127310	25.872	ng		95
54) 2,4-Dinitrophenol	9.998	184	242565	107.582	ng	#	1
55) Dibenzofuran	10.145	168	1273696	43.106	ng		99
56) 4-Nitrophenol	10.039	139	134214	36.240	ng		97
57) 2,4-Dinitrotoluene	10.122	165	300847	55.899	ng		96
58) Fluorene	10.492	166	958116	42.489	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	262685	48.631	ng		97
60) Diethylphthalate	10.363	149	1563487	69.844	ng		99
61) 4-Chlorophenyl-phenyle...	10.481	204	484239	44.510	ng		99
62) 4-Nitroaniline	10.504	138	190164	48.759	ng		100
63) Azobenzene	10.639	77	940653	43.974	ng		99
65) 4,6-Dinitro-2-methylph...	10.534	198	150445	58.228	ng		93
66) n-Nitrosodiphenylamine	10.598	169	859278	48.029	ng		99
67) 4-Bromophenyl-phenylether	10.975	248	304081	49.904	ng		95
68) Hexachlorobenzene	11.039	284	333282	49.725	ng		94
69) Atrazine	11.128	200	213276	45.223	ng		99
70) Pentachlorophenol	11.228	266	371808	105.447	ng		99
71) Phenanthrene	11.451	178	1258546	44.657	ng		100
72) Anthracene	11.504	178	1270435	43.873	ng		100
73) Carbazole	11.657	167	1049104	40.382	ng		99
74) Di-n-butylphthalate	11.986	149	1375619	50.356	ng		100
75) Fluoranthene	12.639	202	1121887	39.823	ng		99
77) Benzidine	12.763	184	62808	11.140	ng		97
78) Pyrene	12.869	202	1088440	39.416	ng		99
80) Butylbenzylphthalate	13.486	149	444086	54.564	ng		98
81) Benzo(a)anthracene	14.057	228	928873	46.232	ng		100
82) 3,3'-Dichlorobenzidine	14.016	252	192303	41.159	ng		98
83) Chrysene	14.092	228	851984	45.552	ng		99
84) Bis(2-ethylhexyl)phtha...	14.045	149	604179	56.725	ng		100
85) Di-n-octyl phthalate	14.657	149	1077874	55.501	ng		97
87) Indeno(1,2,3-cd)pyrene	17.063	276	1032531	40.337	ng		98
88) Benzo(b)fluoranthene	15.116	252	1033127	46.356	ng		99
89) Benzo(k)fluoranthene	15.151	252	946000	46.383	ng		99
90) Benzo(a)pyrene	15.492	252	974319	48.786	ng		99
91) Dibenzo(a,h)anthracene	17.080	278	842856	39.856	ng		99
92) Benzo(g,h,i)perylene	17.521	276	790907	37.682	ng		98

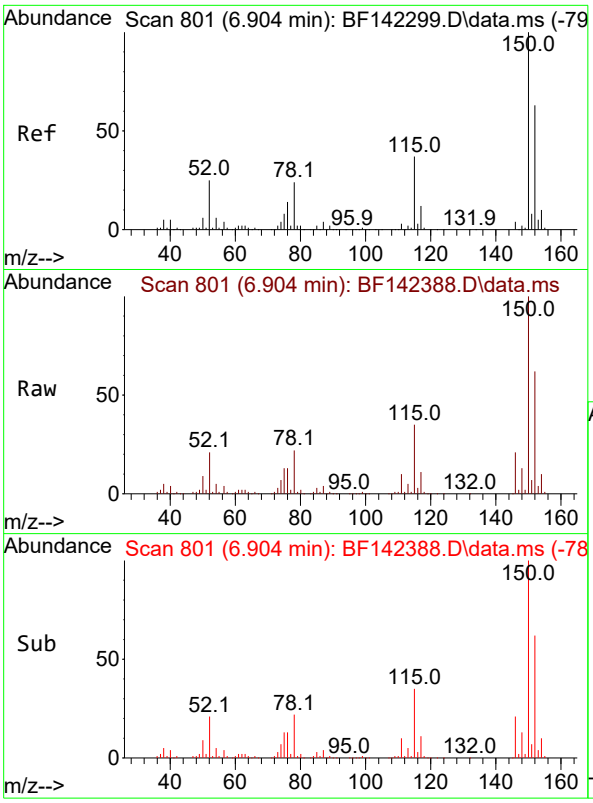
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142388.D
Acq On : 15 May 2025 12:18
Operator : RC/JU
Sample : Q1993-02MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Quant Time: May 15 13:13:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration



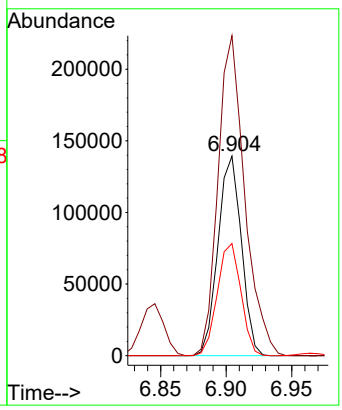


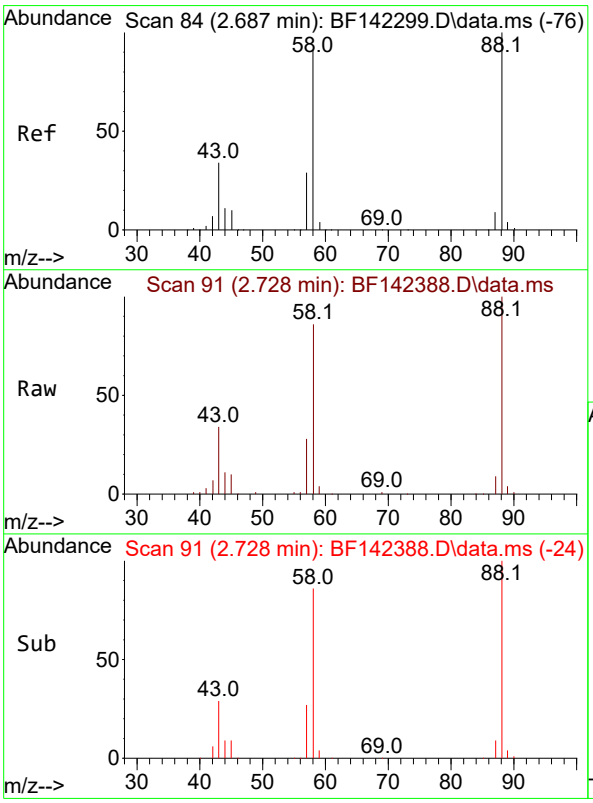
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:152 Resp: 172758

Ion	Ratio	Lower	Upper
152	100		
150	160.4	126.6	190.0
115	56.2	47.3	70.9

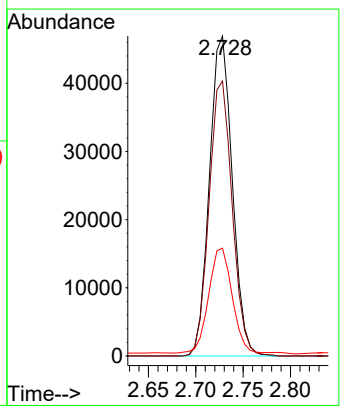


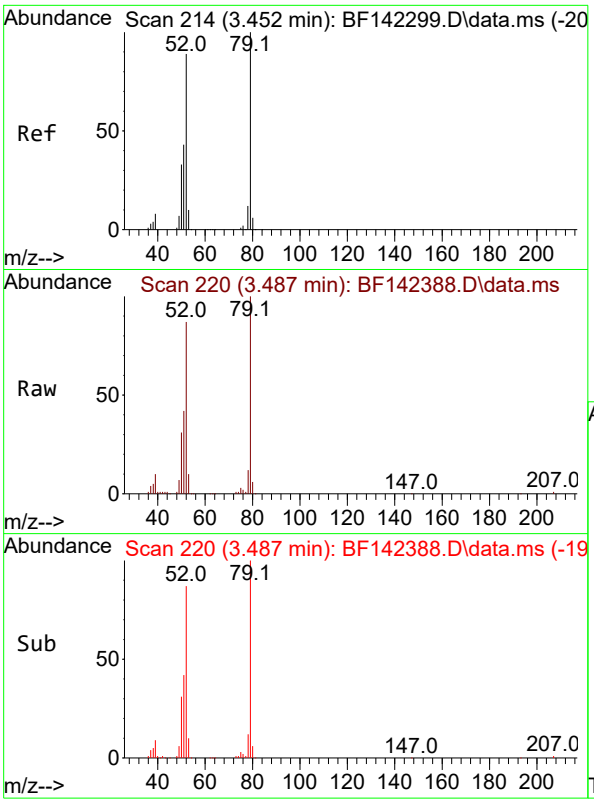


#2
1,4-Dioxane
Concen: 17.267 ng
RT: 2.728 min Scan# 91
Delta R.T. 0.041 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion: 88 Resp: 78691

Ion	Ratio	Lower	Upper
88	100		
58	87.3	73.0	109.4
43	33.6	27.8	41.6



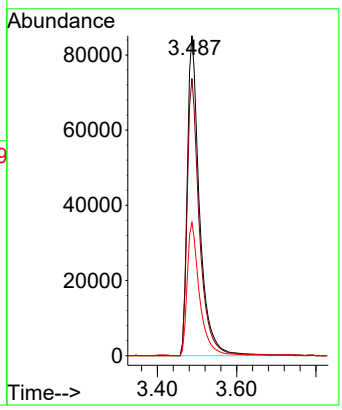


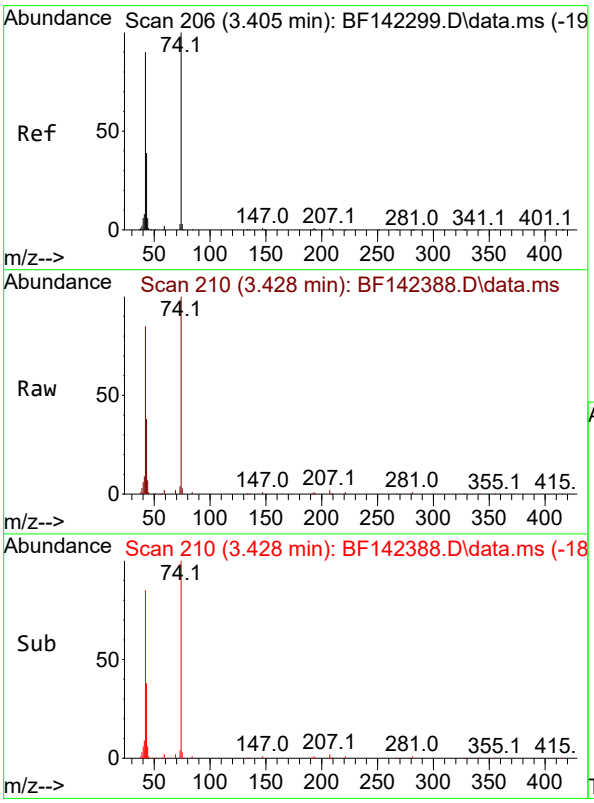
#3
Pyridine
Concen: 17.042 ng
RT: 3.487 min Scan# 2
Delta R.T. 0.035 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion: 79 Resp: 182339

Ion	Ratio	Lower	Upper
79	100		
52	86.6	71.0	106.4
51	41.6	34.9	52.3

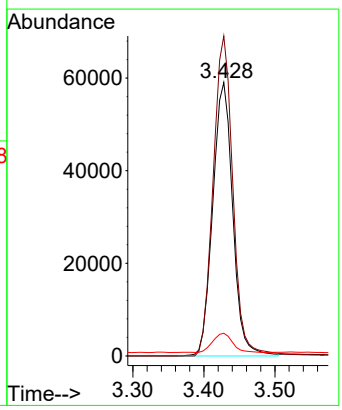


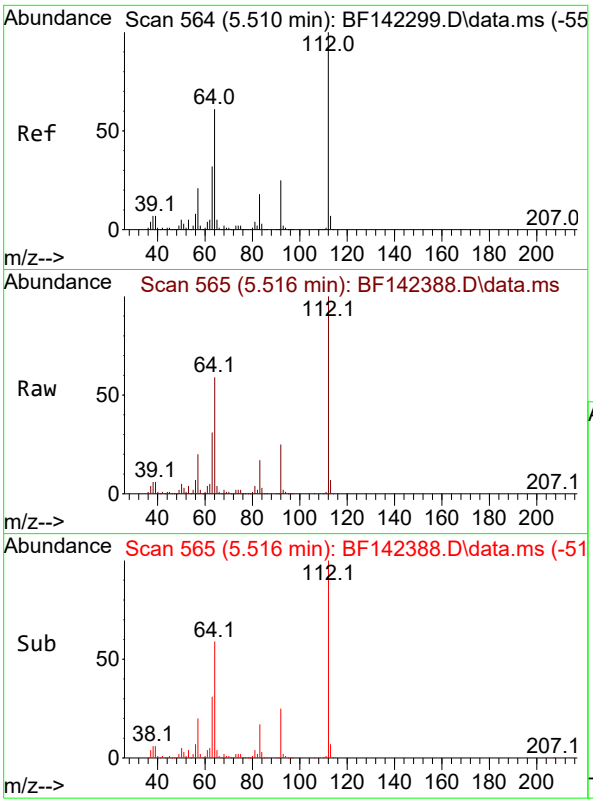


#4
n-Nitrosodimethylamine
Concen: 18.544 ng
RT: 3.428 min Scan# 210
Delta R.T. 0.024 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion: 42 Resp: 115314

Ion	Ratio	Lower	Upper
42	100		
74	117.0	88.5	132.7
44	8.3	5.8	8.8



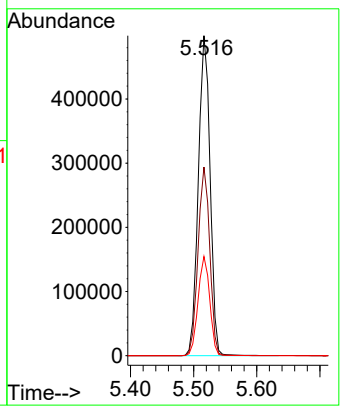


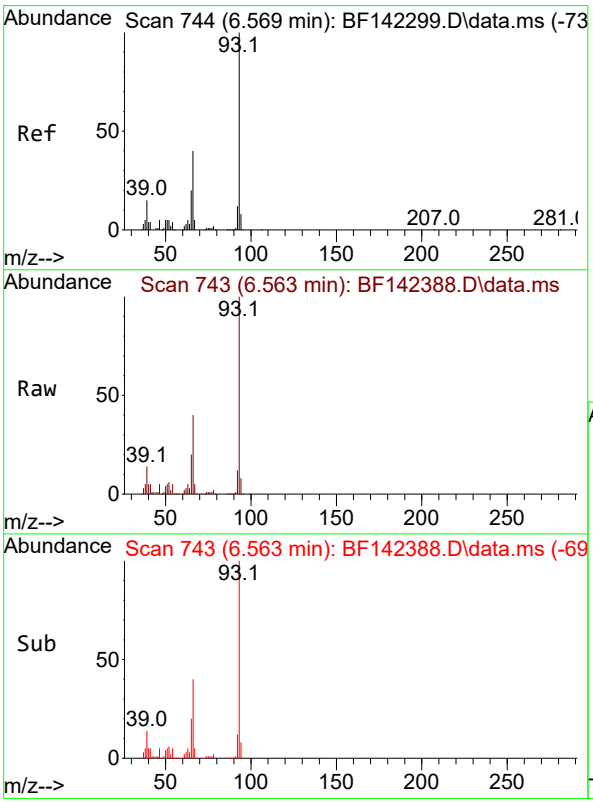
#5
2-Fluorophenol
Concen: 63.759 ng
RT: 5.516 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:112 Resp: 645246

Ion	Ratio	Lower	Upper
112	100		
64	58.9	48.9	73.3
63	31.0	25.6	38.4

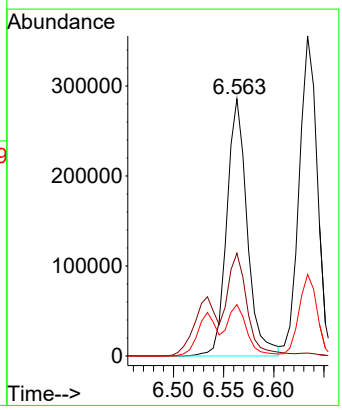


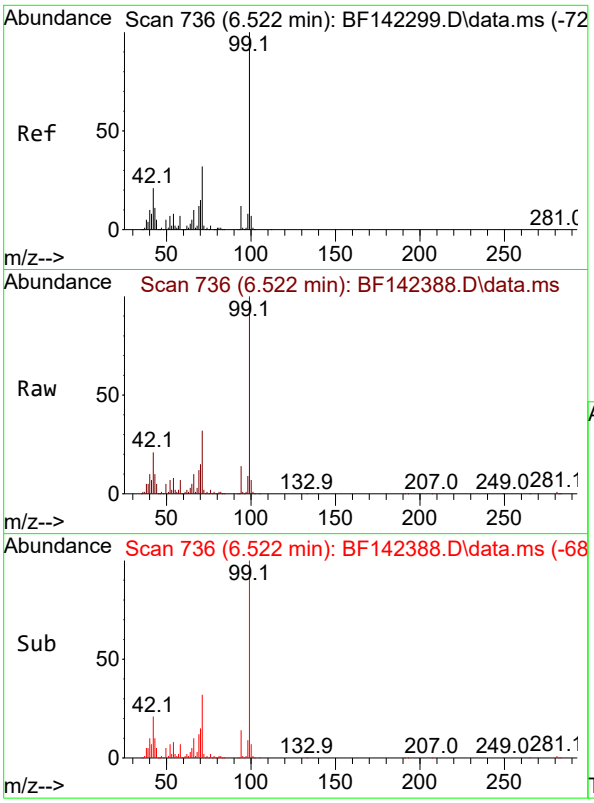


#6
Aniline
Concen: 33.156 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion: 93 Resp: 404794

Ion	Ratio	Lower	Upper
93	100		
66	39.9	32.2	48.4
65	20.0	16.3	24.5



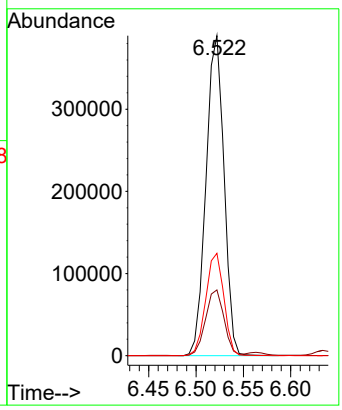


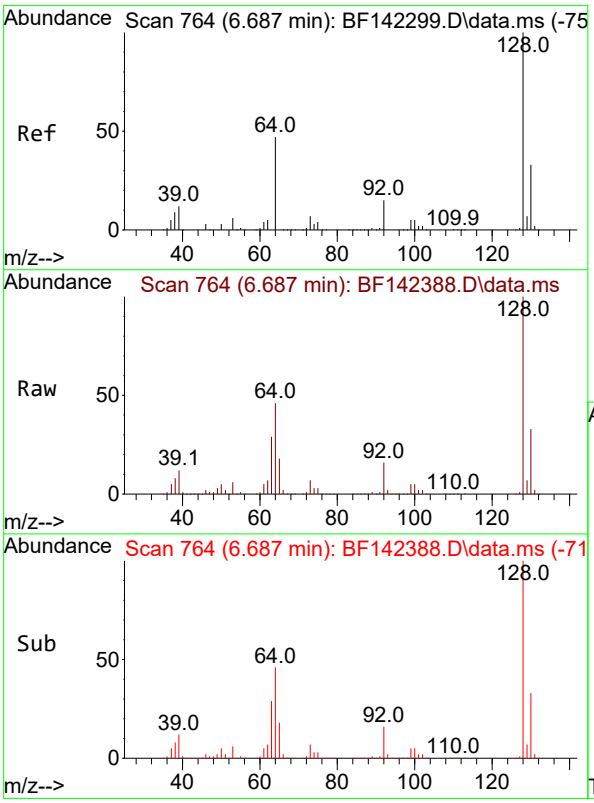
#7
Phenol-d6
Concen: 41.273 ng
RT: 6.522 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion: 99 Resp: 513718

Ion	Ratio	Lower	Upper
99	100		
42	20.6	17.0	25.4
71	32.0	25.8	38.8

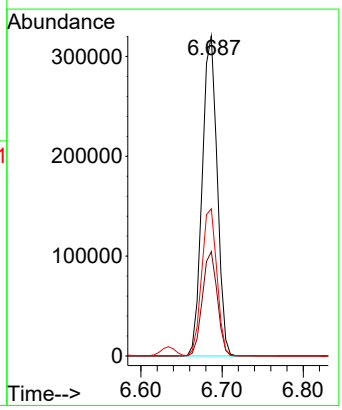


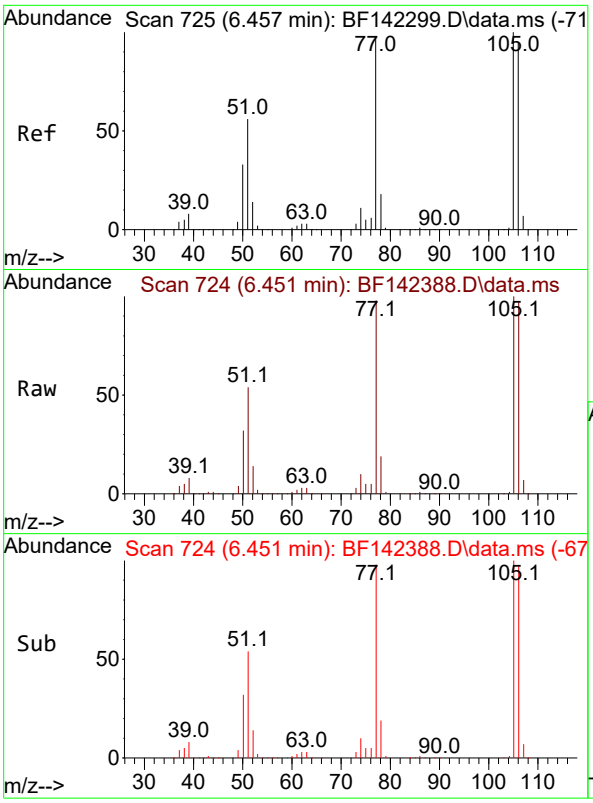


#8
2-Chlorophenol
Concen: 37.883 ng
RT: 6.687 min Scan# 764
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:128 Resp: 409681

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.7	52.7
64	46.0	29.2	69.2



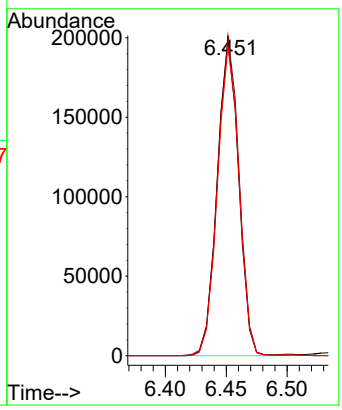


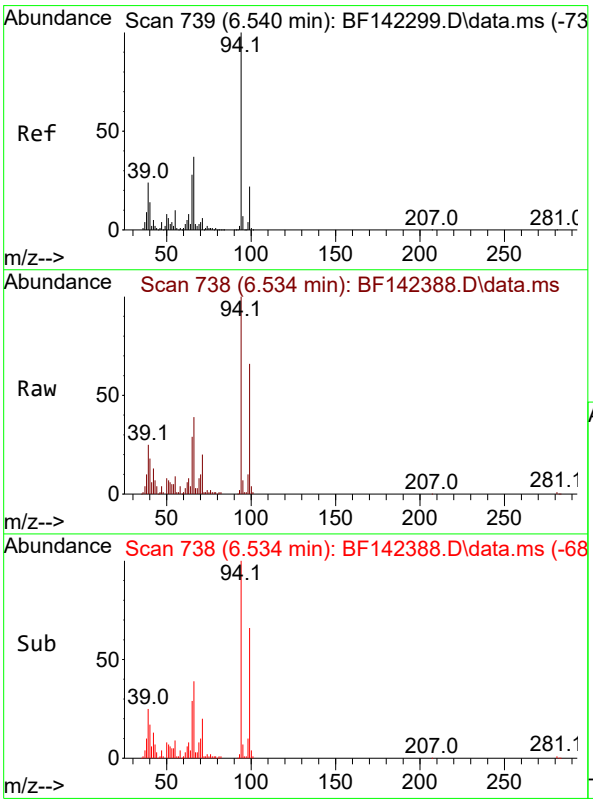
#9
Benzaldehyde
Concen: 33.388 ng
RT: 6.451 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion: 77 Resp: 243231

Ion	Ratio	Lower	Upper
77	100		
105	101.6	82.0	122.0
106	98.1	77.2	117.2

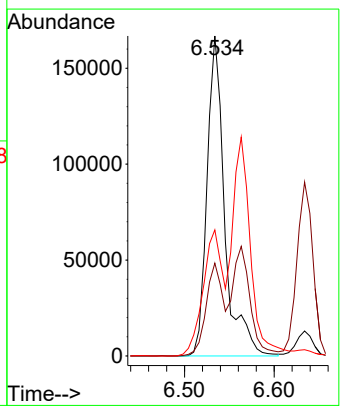


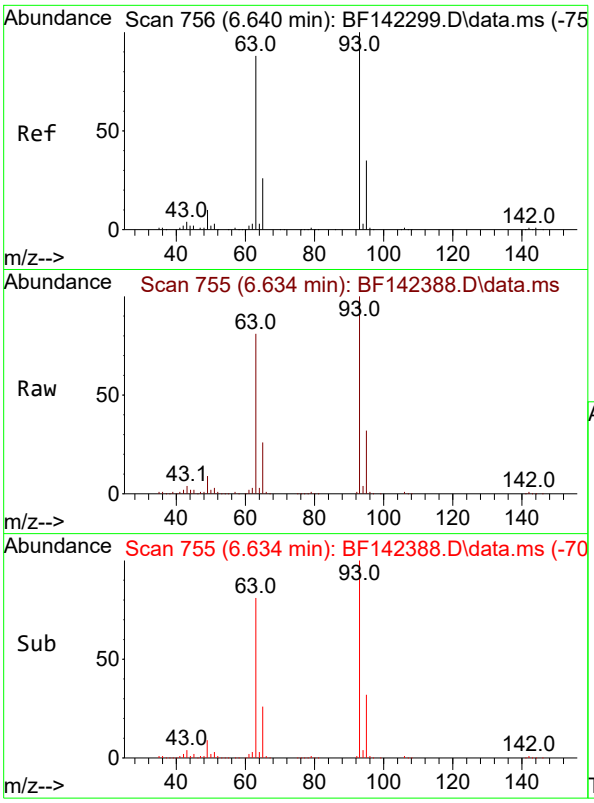


#10
Phenol
Concen: 17.329 ng
RT: 6.534 min Scan# 738
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion: 94 Resp: 228634

Ion	Ratio	Lower	Upper
94	100		
65	29.0	8.5	48.5
66	39.4	17.3	57.3



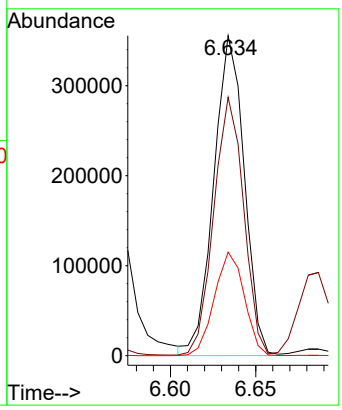


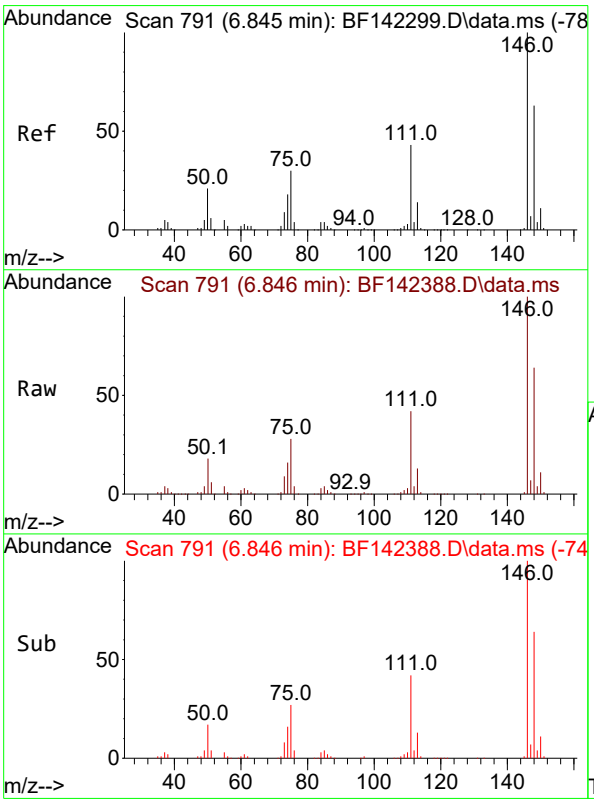
#11
bis(2-Chloroethyl)ether
Concen: 34.066 ng
RT: 6.634 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion: 93 Resp: 443232

Ion	Ratio	Lower	Upper
93	100		
63	80.7	58.4	98.4
95	32.4	10.6	50.6

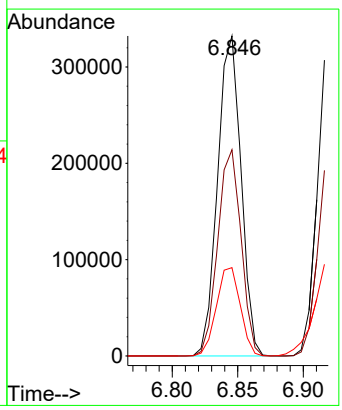


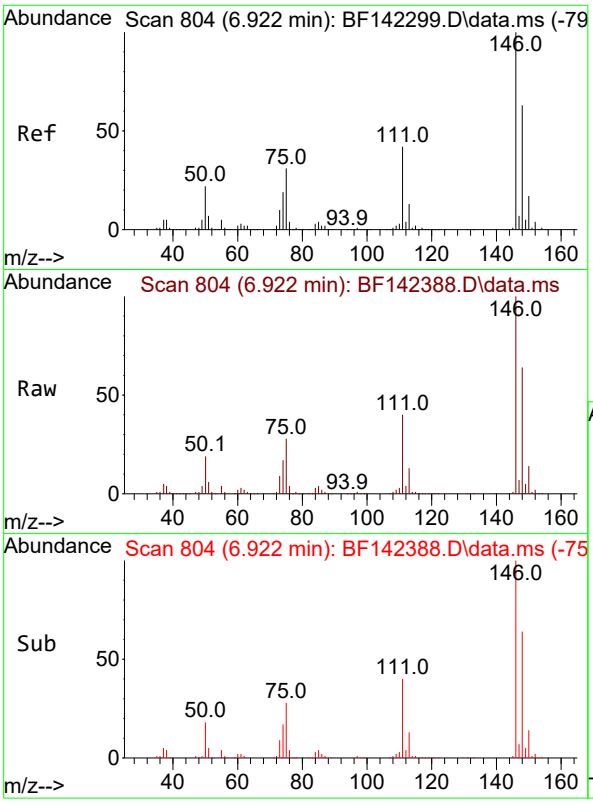


#12
1,3-Dichlorobenzene
Concen: 33.378 ng
RT: 6.846 min Scan# 791
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:146 Resp: 412960

Ion	Ratio	Lower	Upper
146	100		
148	64.4	50.6	76.0
75	27.6	24.2	36.4



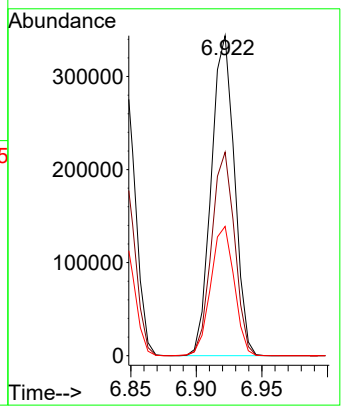


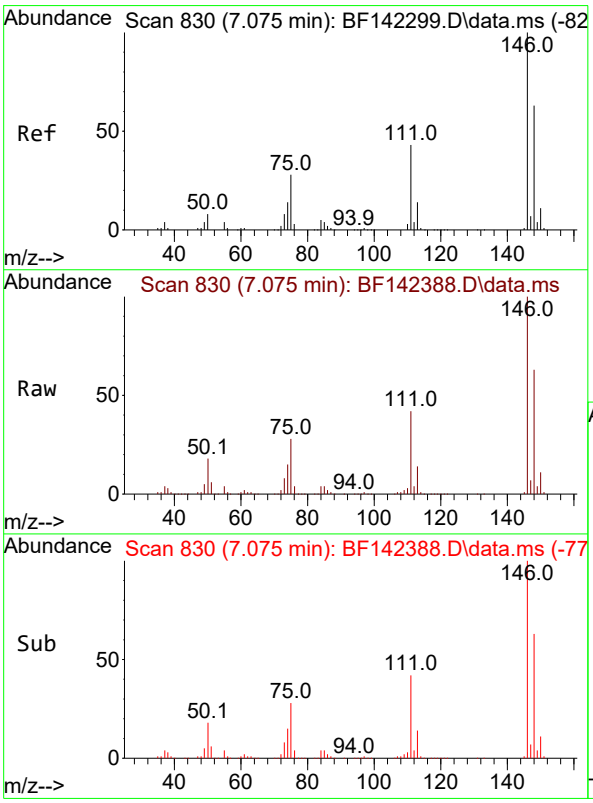
#13
1,4-Dichlorobenzene
Concen: 33.992 ng
RT: 6.922 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:146 Resp: 422266

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.5	75.7
111	40.4	33.4	50.2

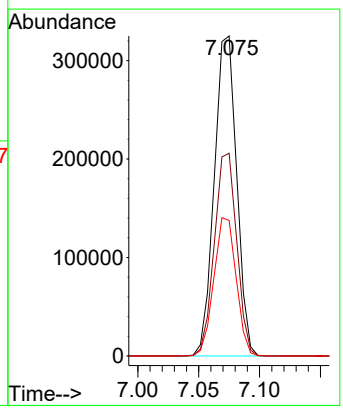


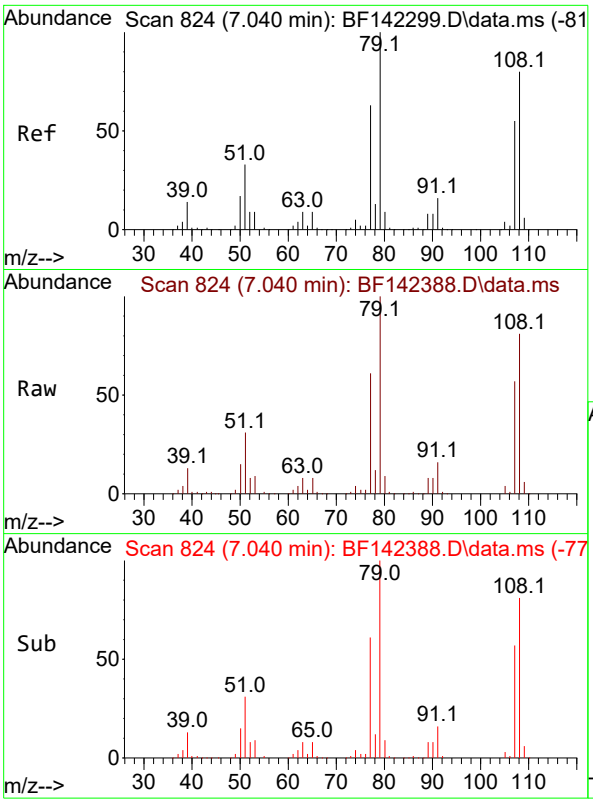


#14
1,2-Dichlorobenzene
Concen: 34.912 ng
RT: 7.075 min Scan# 830
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:146 Resp: 416285

Ion	Ratio	Lower	Upper
146	100		
148	63.3	50.3	75.5
111	42.3	34.5	51.7



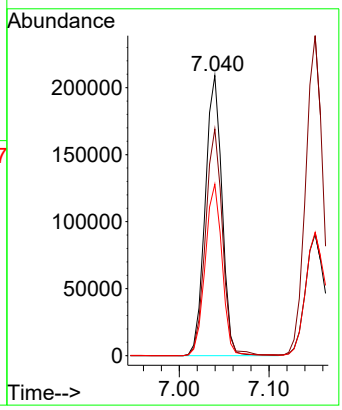


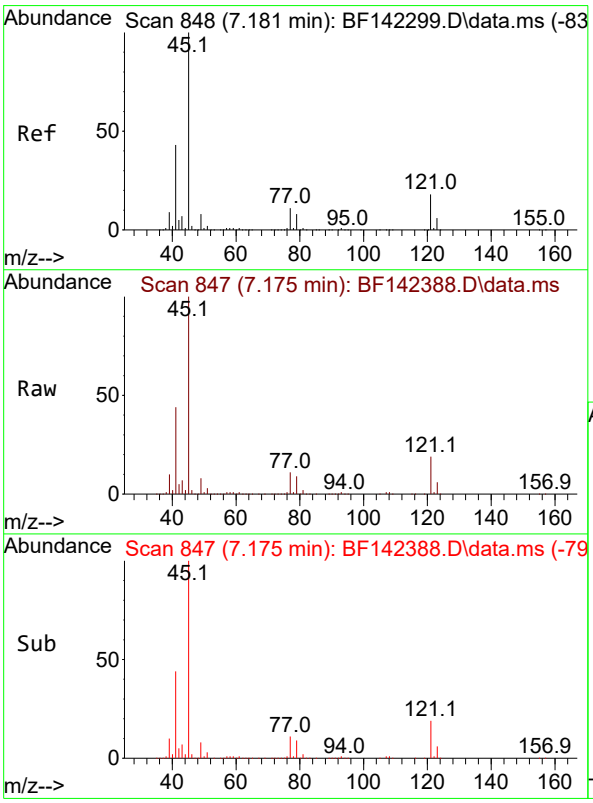
#15
Benzyl Alcohol
Concen: 33.840 ng
RT: 7.040 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion: 79 Resp: 272744

Ion	Ratio	Lower	Upper
79	100		
108	81.0	63.9	95.9
77	61.2	50.7	76.1

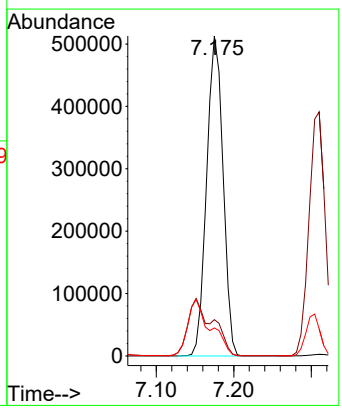


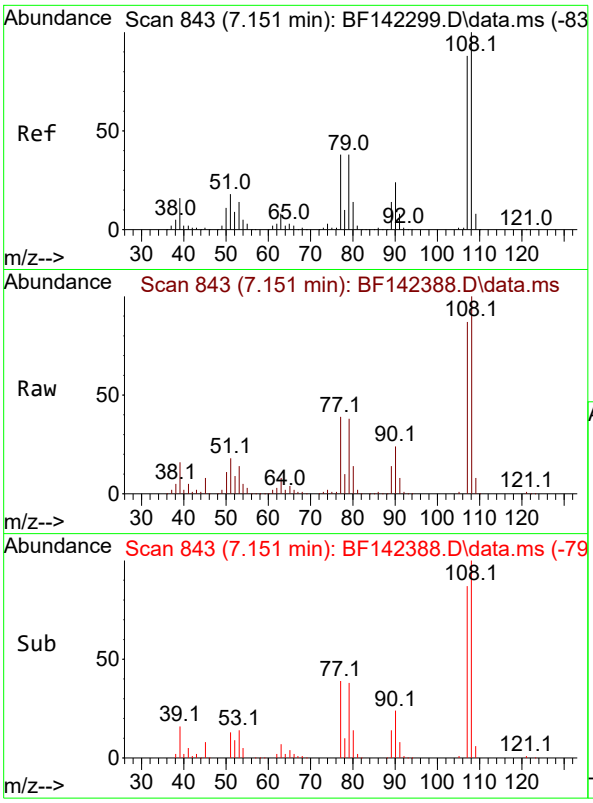


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.785 ng
RT: 7.175 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion: 45 Resp: 753579

Ion	Ratio	Lower	Upper
45	100		
77	11.3	0.0	31.2
79	8.8	0.0	28.5



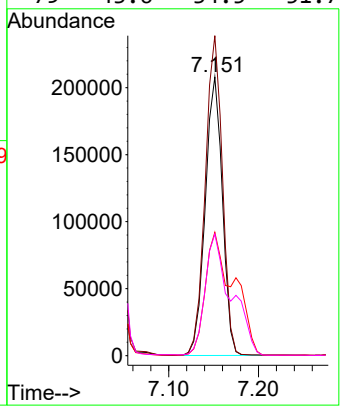


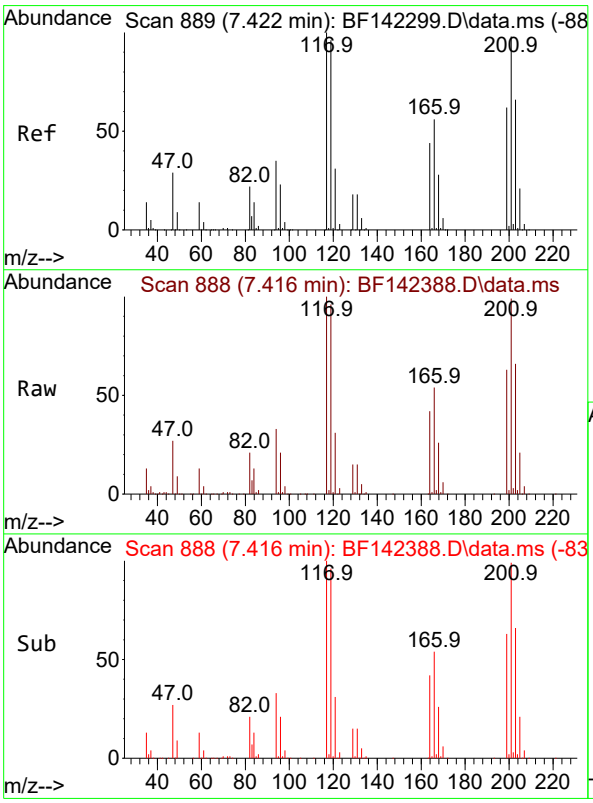
#17
2-Methylphenol
Concen: 31.577 ng
RT: 7.151 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:107 Resp: 276466

Ion	Ratio	Lower	Upper
107	100		
108	114.8	91.1	136.7
77	44.2	34.7	52.1
79	43.6	34.5	51.7

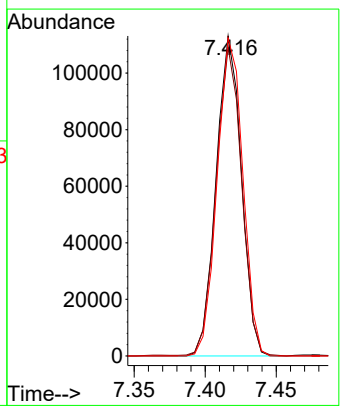


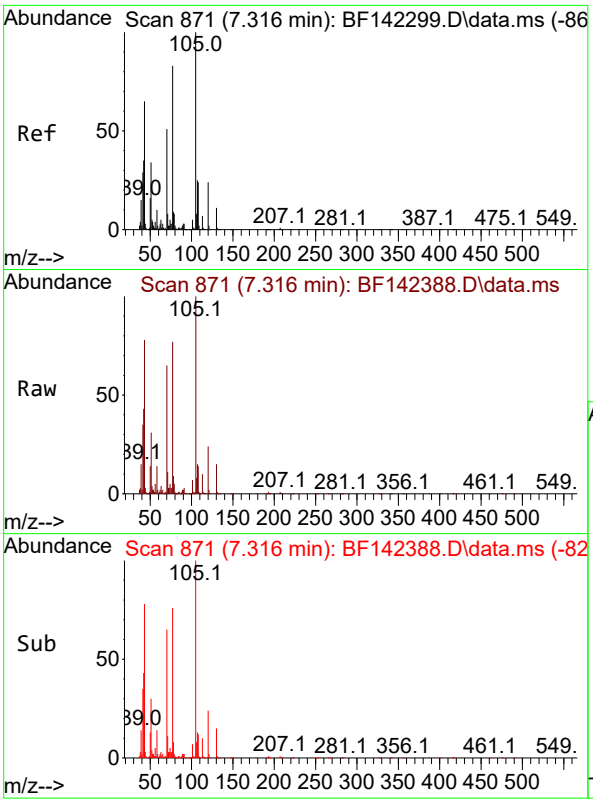


#18
Hexachloroethane
Concen: 33.875 ng
RT: 7.416 min Scan# 888
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:117 Resp: 140013

Ion	Ratio	Lower	Upper
117	100		
119	96.4	76.9	115.3
201	99.4	78.0	117.0



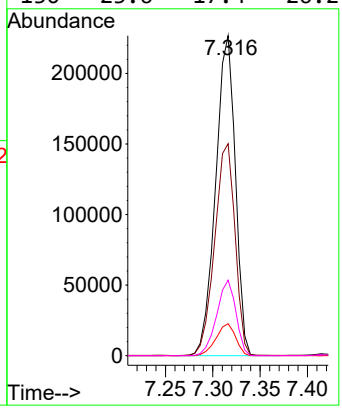


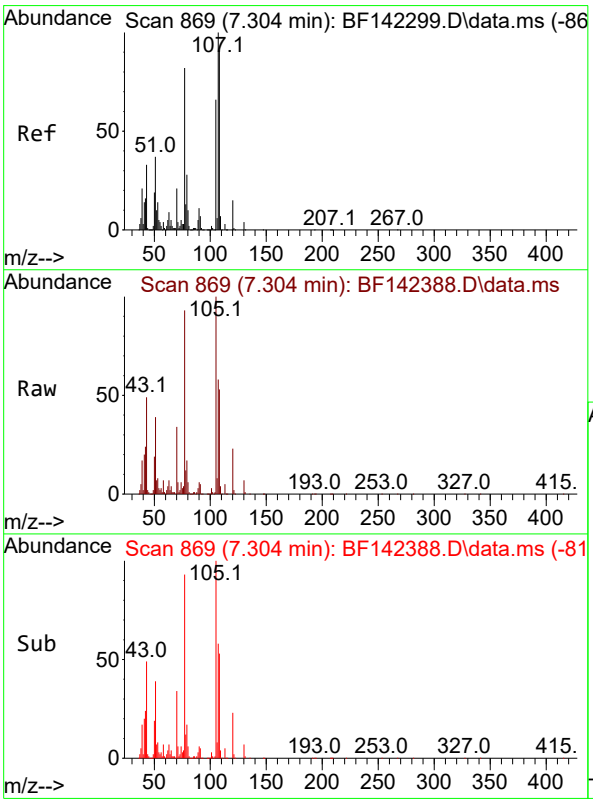
#19
n-Nitroso-di-n-propylamine
Concen: 42.745 ng
RT: 7.316 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion: 70 Resp: 329104

Ion	Ratio	Lower	Upper
70	100		
42	66.3	54.8	82.2
101	10.0	7.7	11.5
130	23.6	17.4	26.2

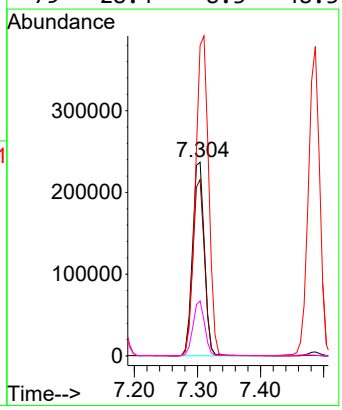


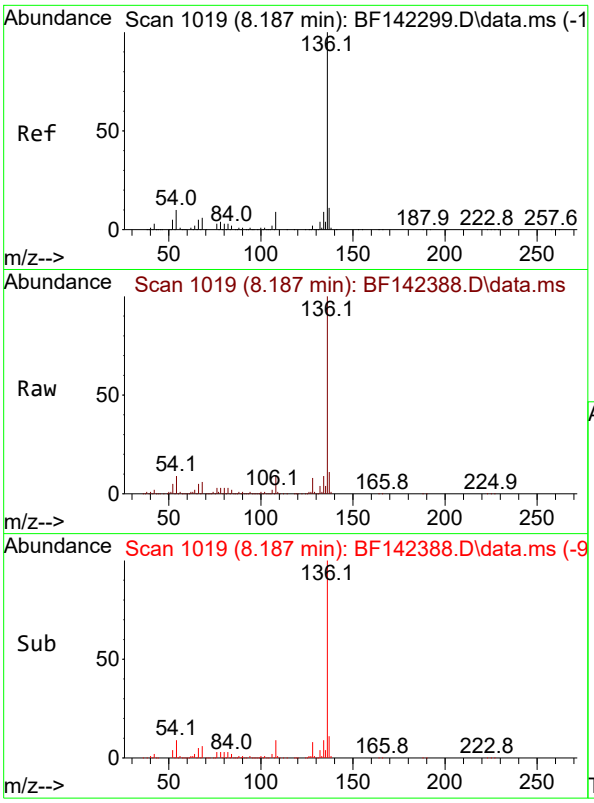


#20
3+4-Methylphenols
Concen: 28.383 ng
RT: 7.304 min Scan# 869
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:107 Resp: 310142

Ion	Ratio	Lower	Upper
107	100		
108	91.1	71.5	111.5
77	160.3	61.6	101.6#
79	28.4	8.3	48.3



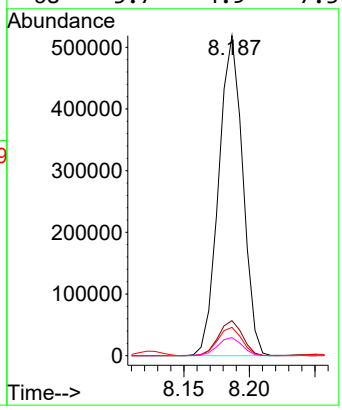


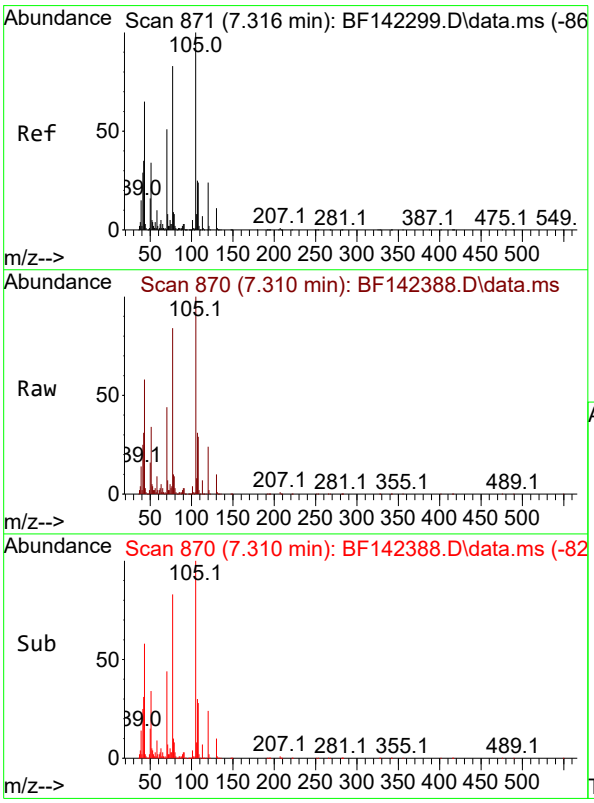
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:136 Resp: 661579

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	8.8	7.7	11.5
68	5.7	4.9	7.3

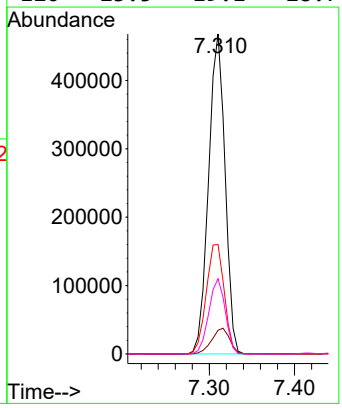


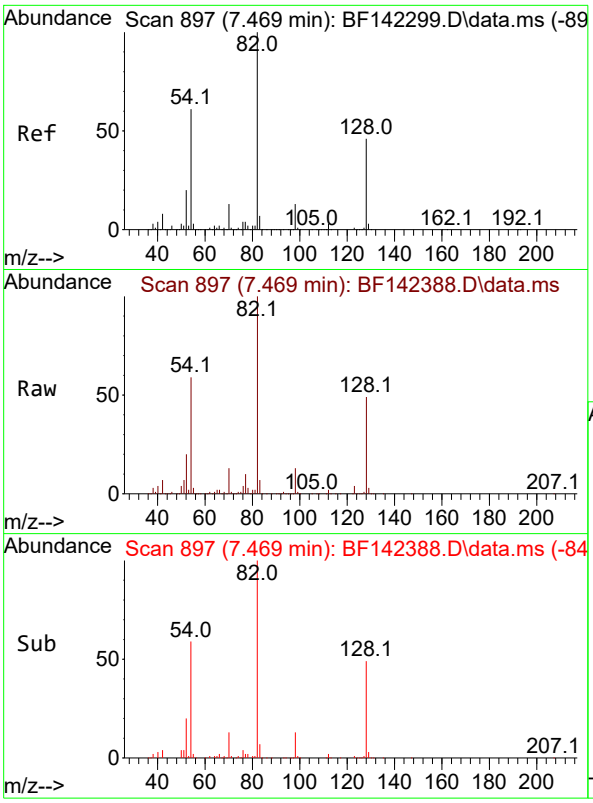


#22
Acetophenone
Concen: 42.795 ng
RT: 7.310 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:105 Resp: 629515

Ion	Ratio	Lower	Upper
105	100		
71	7.4	6.7	10.1
51	34.2	27.6	41.4
120	23.5	19.1	28.7



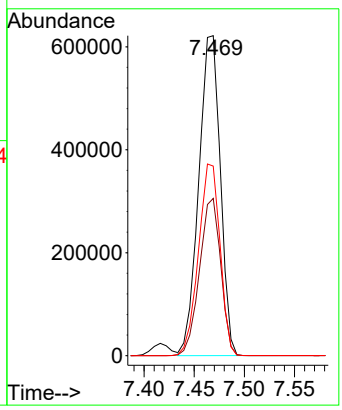


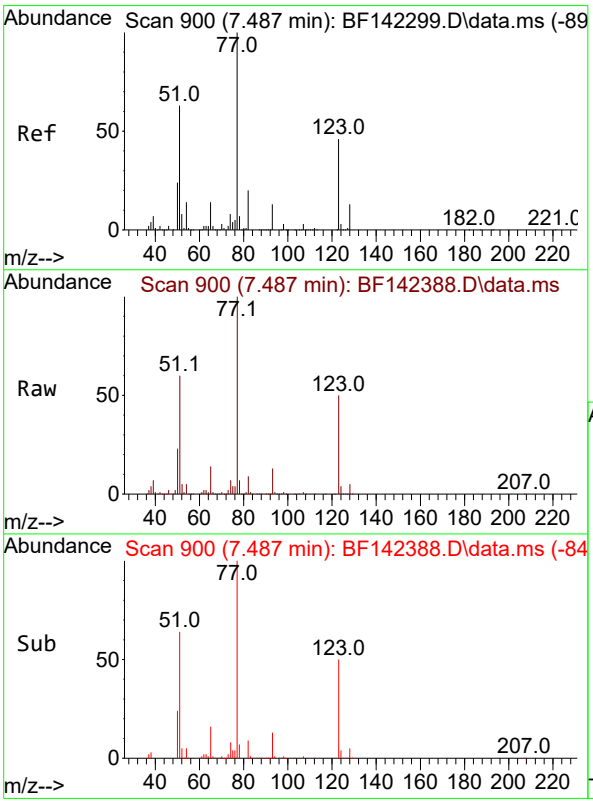
#23
Nitrobenzene-d5
Concen: 85.936 ng
RT: 7.469 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion: 82 Resp: 932224

Ion	Ratio	Lower	Upper
82	100		
128	49.2	37.0	55.6
54	59.3	48.6	73.0

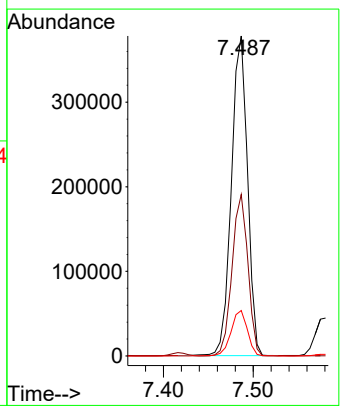


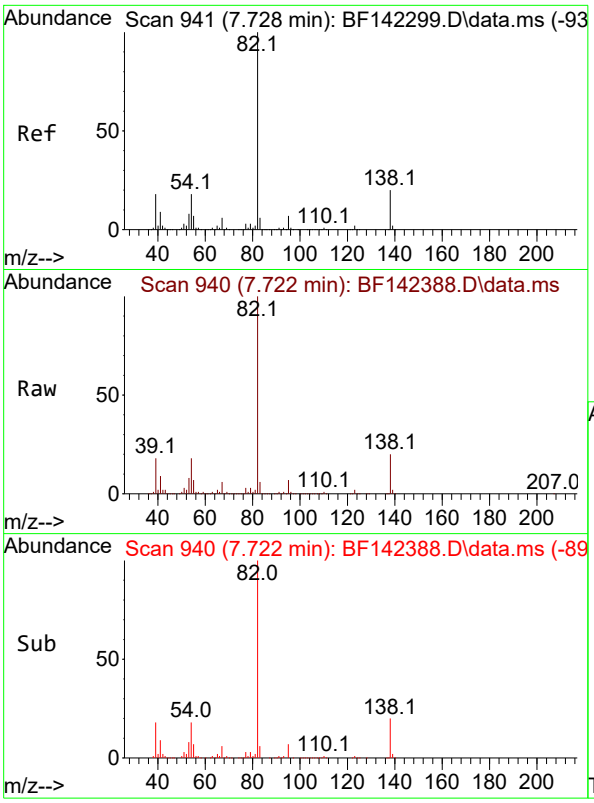


#24
Nitrobenzene
Concen: 46.123 ng
RT: 7.487 min Scan# 900
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion: 77 Resp: 471629

Ion	Ratio	Lower	Upper
77	100		
123	50.4	37.8	56.8
65	14.2	11.4	17.0



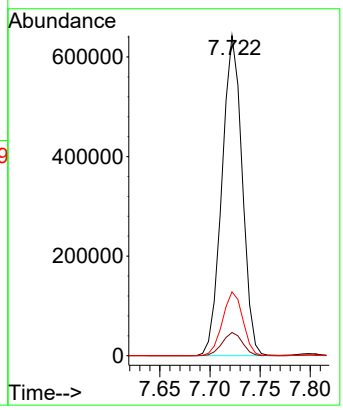


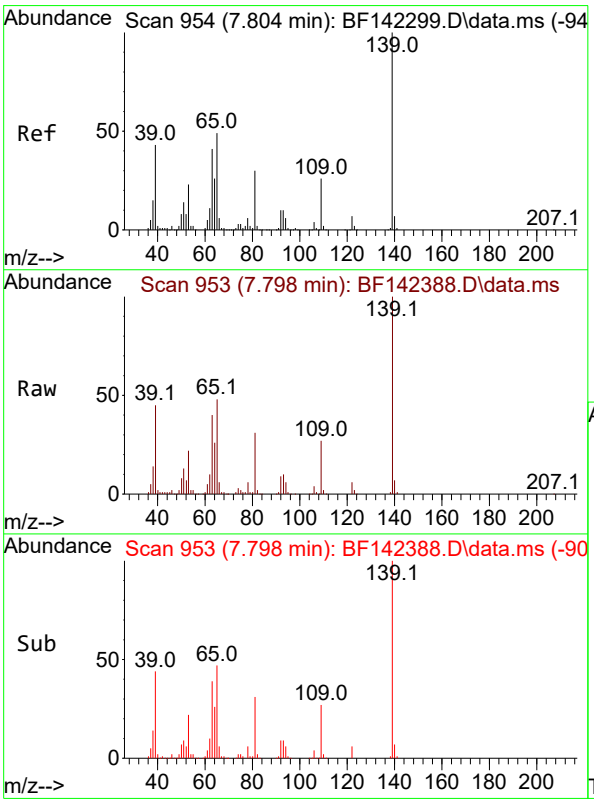
#25
Isophorone
Concen: 43.939 ng
RT: 7.722 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion: 82 Resp: 902585

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.8	8.8
138	20.0	16.1	24.1

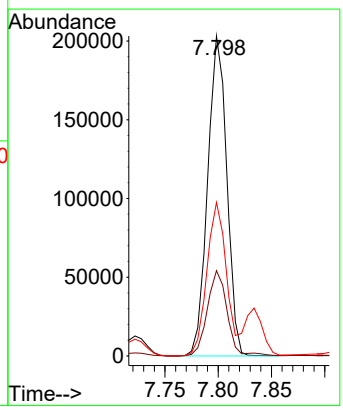


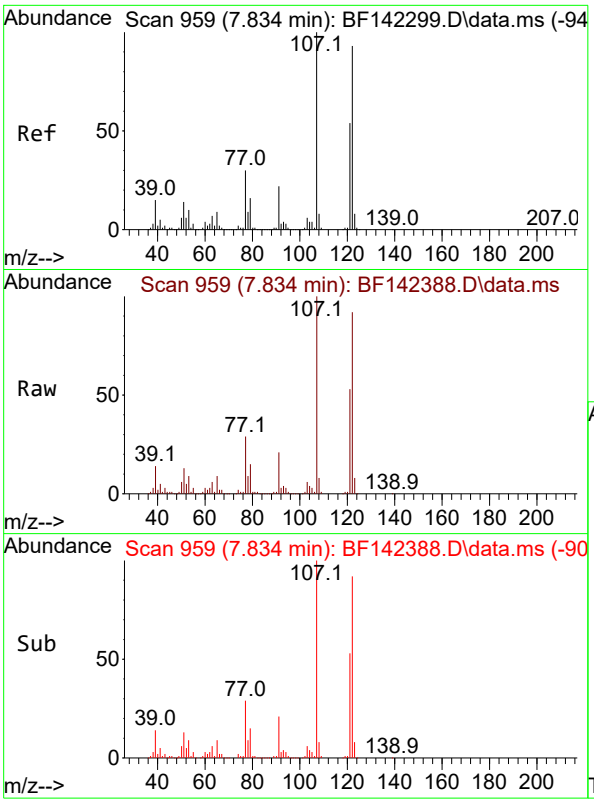


#26
2-Nitrophenol
Concen: 51.343 ng
RT: 7.798 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:139 Resp: 254589

Ion	Ratio	Lower	Upper
139	100		
109	26.7	20.8	31.2
65	48.0	38.9	58.3



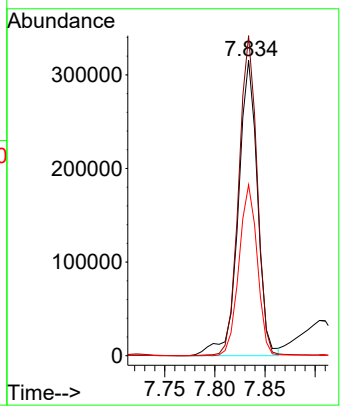


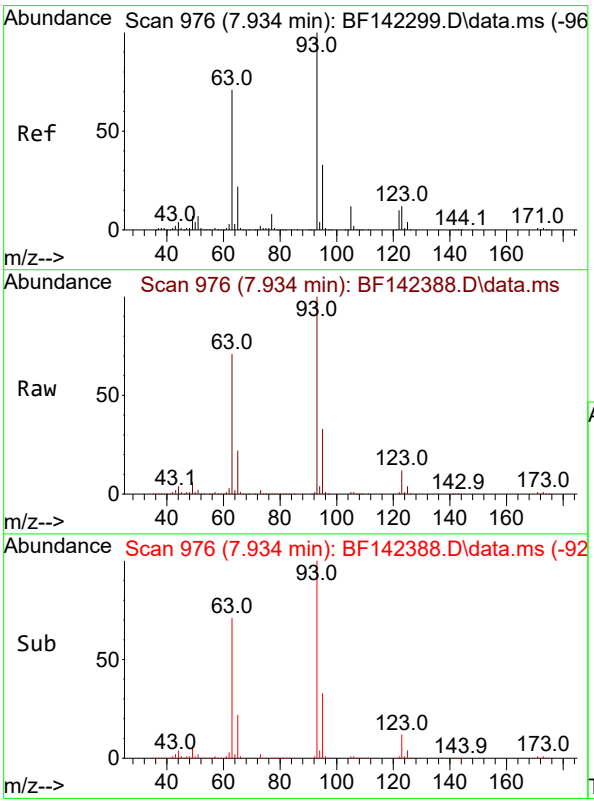
#27
2,4-Dimethylphenol
Concen: 40.898 ng
RT: 7.834 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:122 Resp: 422391

Ion	Ratio	Lower	Upper
122	100		
107	108.4	86.0	129.0
121	57.9	46.2	69.4

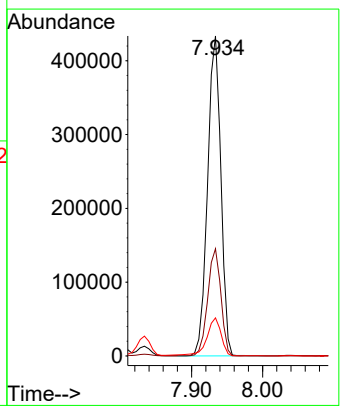


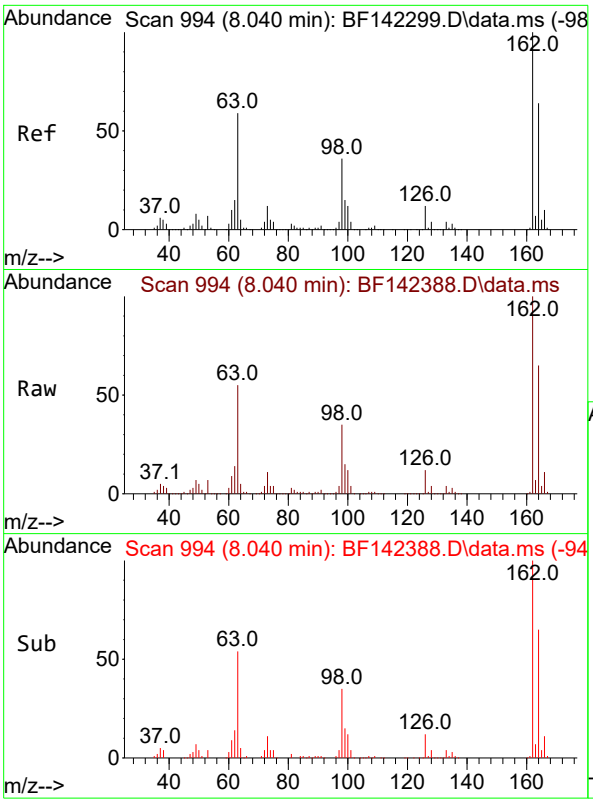


#28
bis(2-Chloroethoxy)methane
Concen: 42.653 ng
RT: 7.934 min Scan# 976
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion: 93 Resp: 563392

Ion	Ratio	Lower	Upper
93	100		
95	33.5	26.1	39.1
123	11.9	10.2	15.4



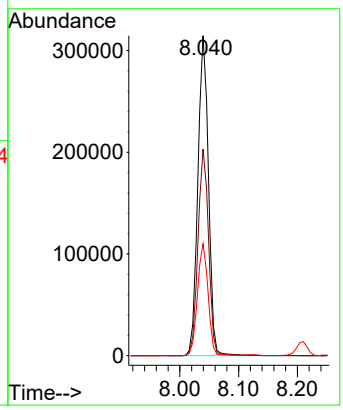


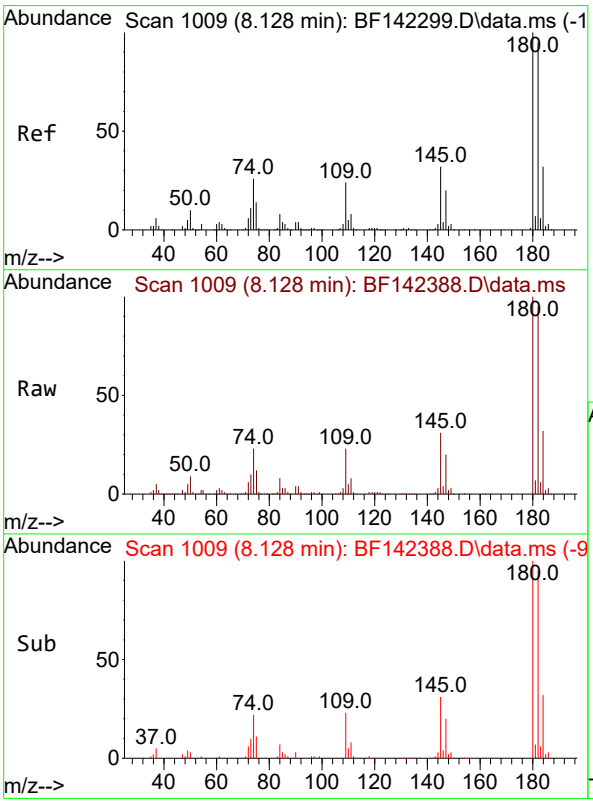
#29
2,4-Dichlorophenol
Concen: 44.936 ng
RT: 8.040 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:162 Resp: 394568

Ion	Ratio	Lower	Upper
162	100		
164	64.6	43.6	83.6
98	35.0	16.5	56.5

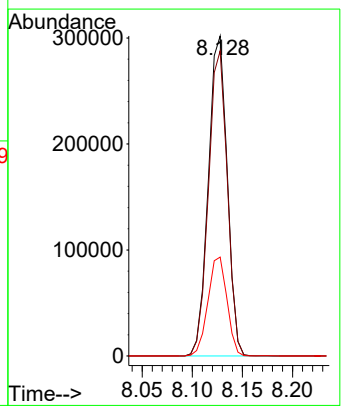


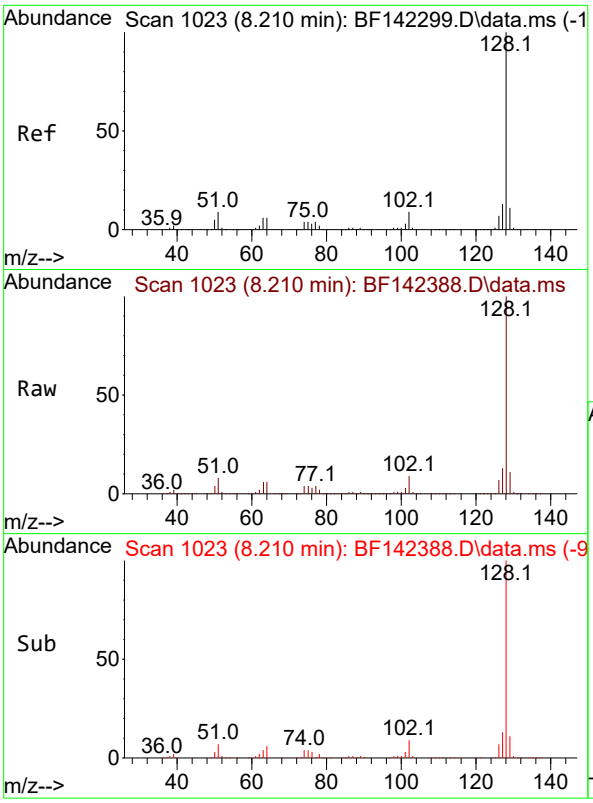


#30
1,2,4-Trichlorobenzene
Concen: 40.057 ng
RT: 8.128 min Scan# 1009
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:180 Resp: 395832

Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.2	114.4
145	30.9	25.8	38.6



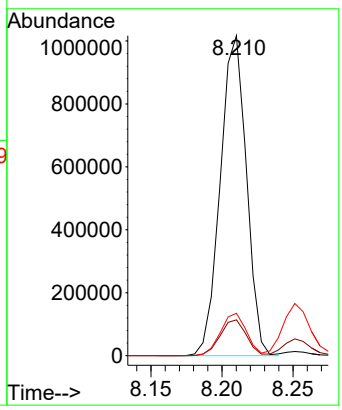


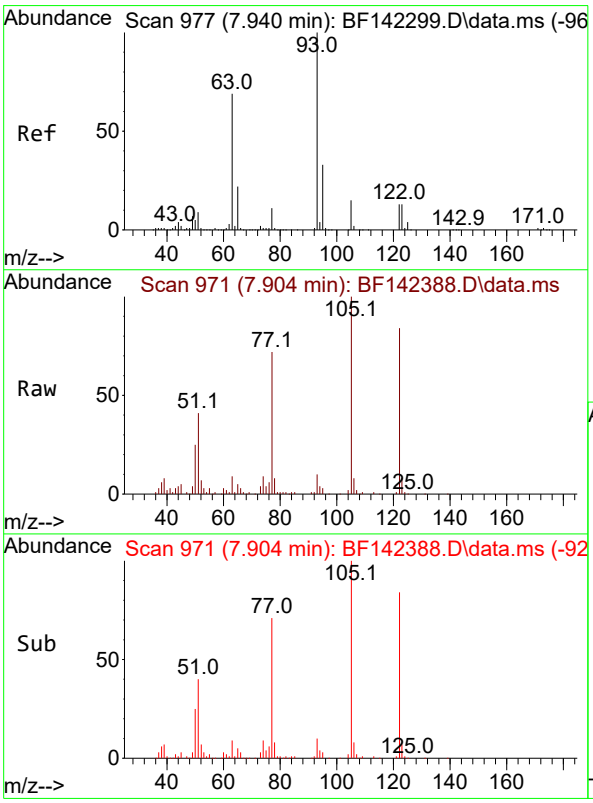
#31
Naphthalene
Concen: 40.636 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:128 Resp: 1302962

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.1	13.7
127	13.3	10.5	15.7

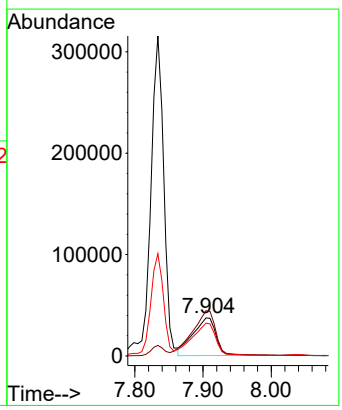


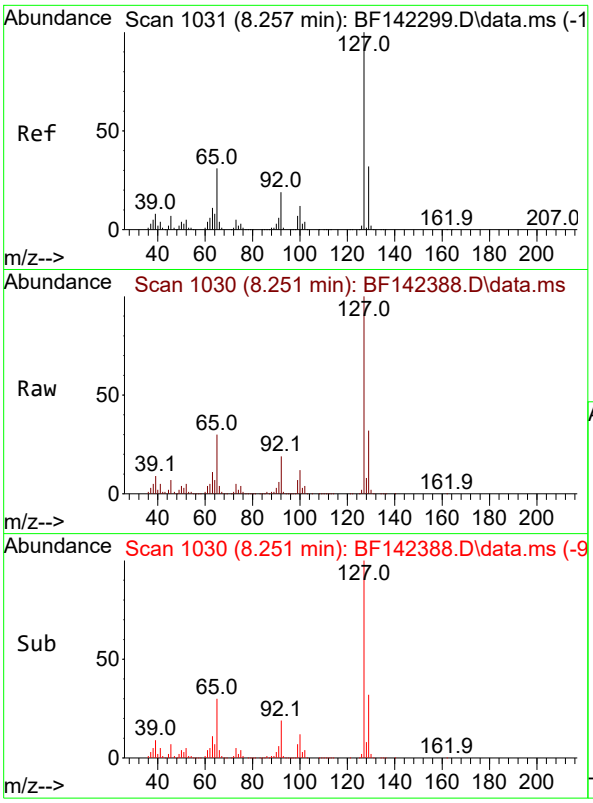


#32
Benzoic acid
Concen: 21.457 ng
RT: 7.904 min Scan# 971
Delta R.T. -0.036 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:122 Resp: 88700

Ion	Ratio	Lower	Upper
122	100		
105	118.9	97.9	137.9
77	86.0	67.7	107.7



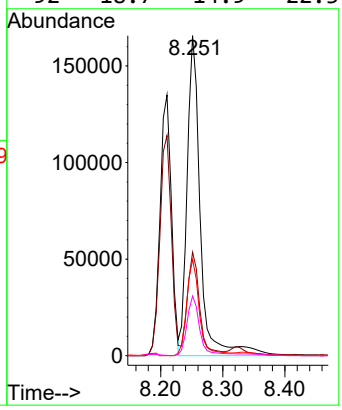


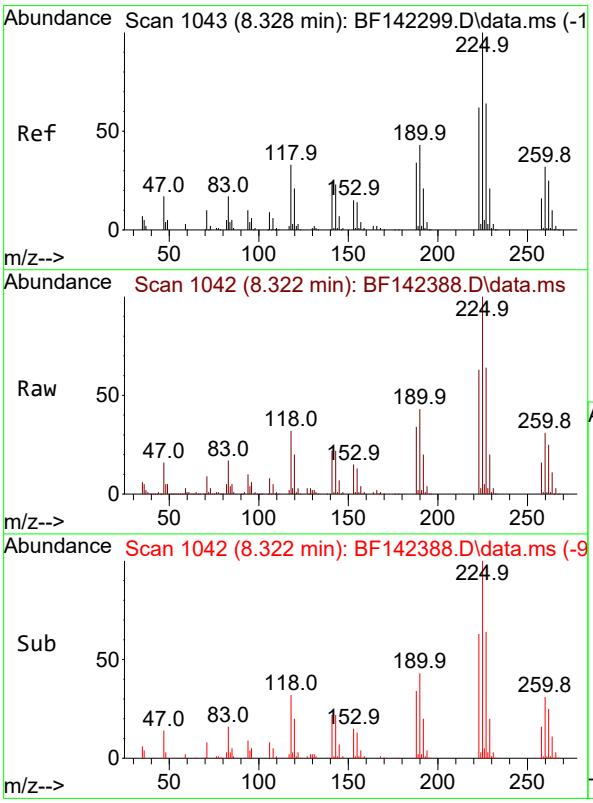
#33
4-Chloroaniline
Concen: 18.838 ng m
RT: 8.251 min Scan# 1
Delta R.T. -0.016 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:127 Resp: 246466

Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.7	38.5
65	30.1	24.9	37.3
92	18.7	14.9	22.3

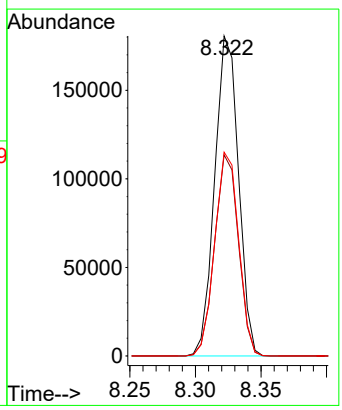


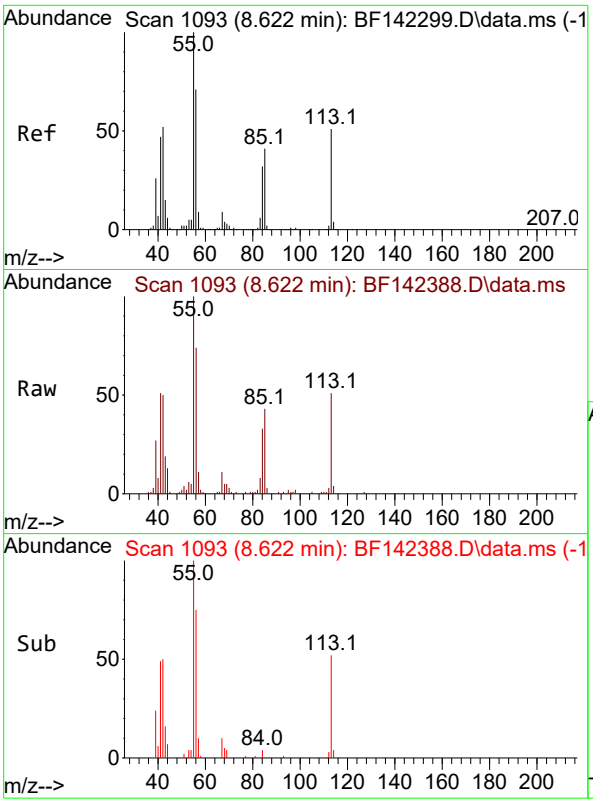


#34
Hexachlorobutadiene
Concen: 38.945 ng
RT: 8.322 min Scan# 1042
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:225 Resp: 227885

Ion	Ratio	Lower	Upper
225	100		
223	62.9	49.8	74.6
227	63.7	50.9	76.3



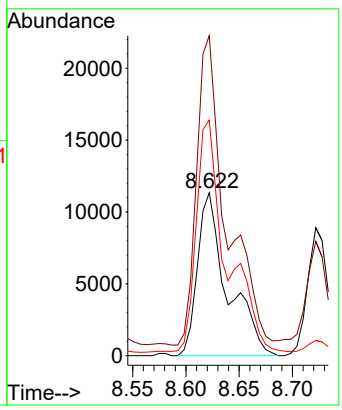


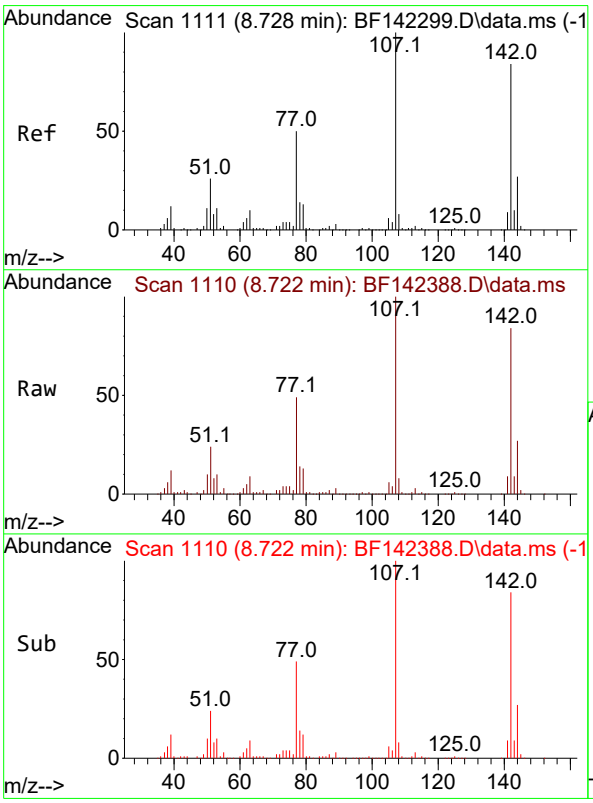
#35
Caprolactam
Concen: 8.704 ng
RT: 8.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:113 Resp: 22274

Ion	Ratio	Lower	Upper
113	100		
55	196.4	176.4	216.4
56	144.7	120.3	160.3

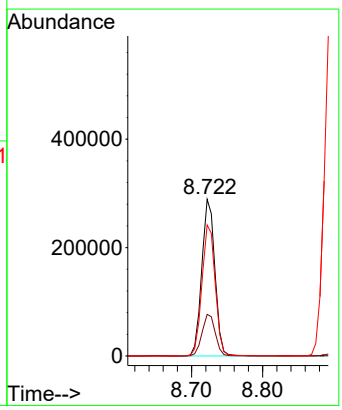


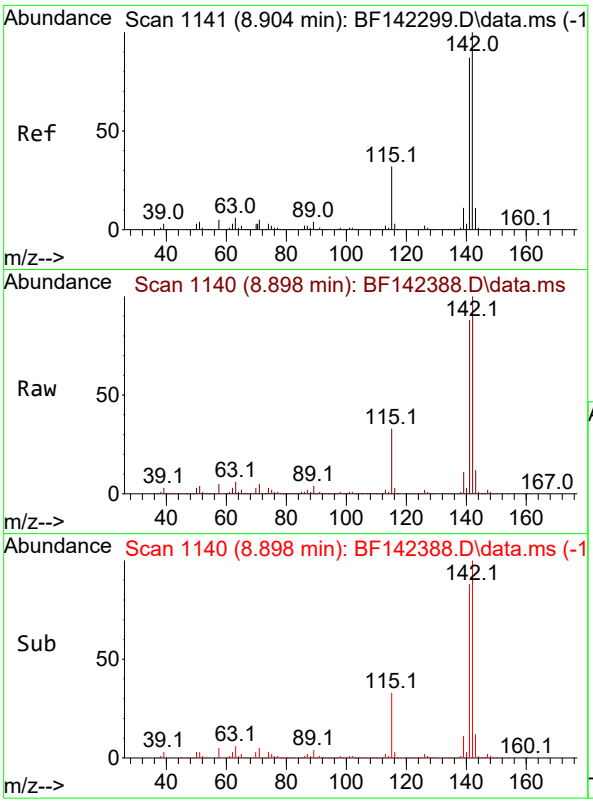


#36
4-Chloro-3-methylphenol
Concen: 40.855 ng
RT: 8.722 min Scan# 1110
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:107 Resp: 372907

Ion	Ratio	Lower	Upper
107	100		
144	26.6	21.3	31.9
142	83.7	66.9	100.3



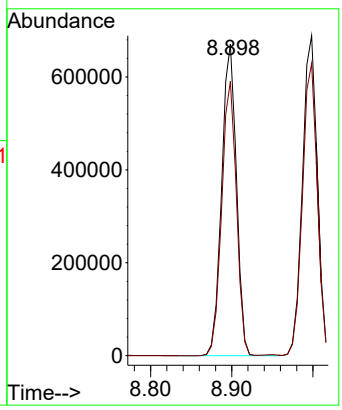


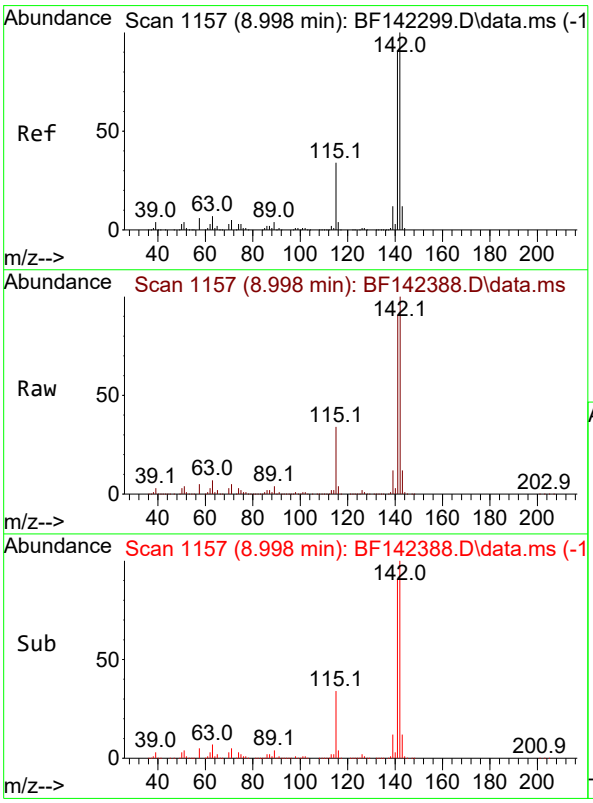
#37
2-Methylnaphthalene
Concen: 42.575 ng
RT: 8.898 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:142 Resp: 848266

Ion	Ratio	Lower	Upper
142	100		
141	88.0	69.4	104.2

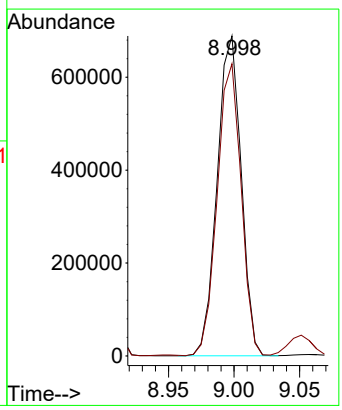


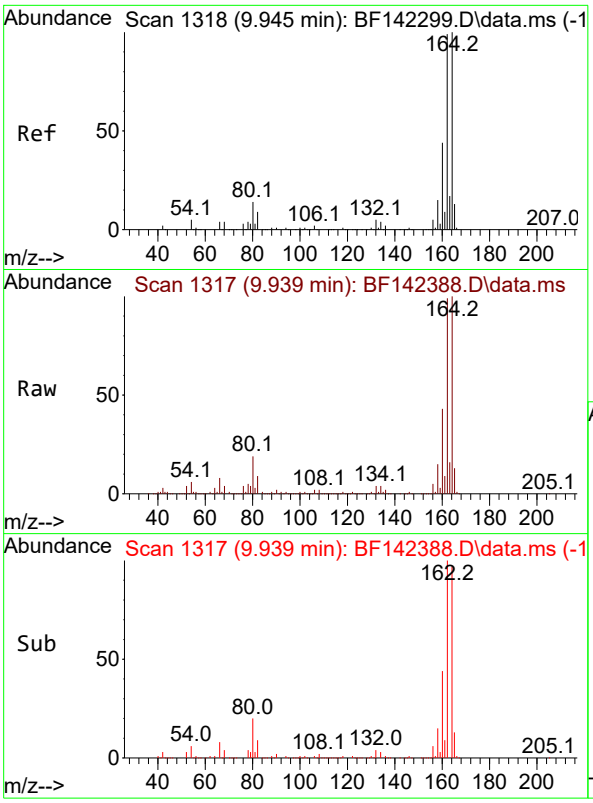


#38
1-Methylnaphthalene
Concen: 42.153 ng
RT: 8.998 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:142 Resp: 875361

Ion	Ratio	Lower	Upper
142	100		
141	91.3	72.5	108.7



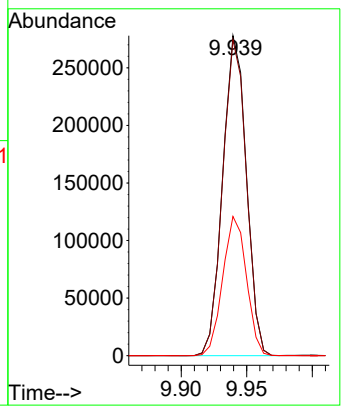


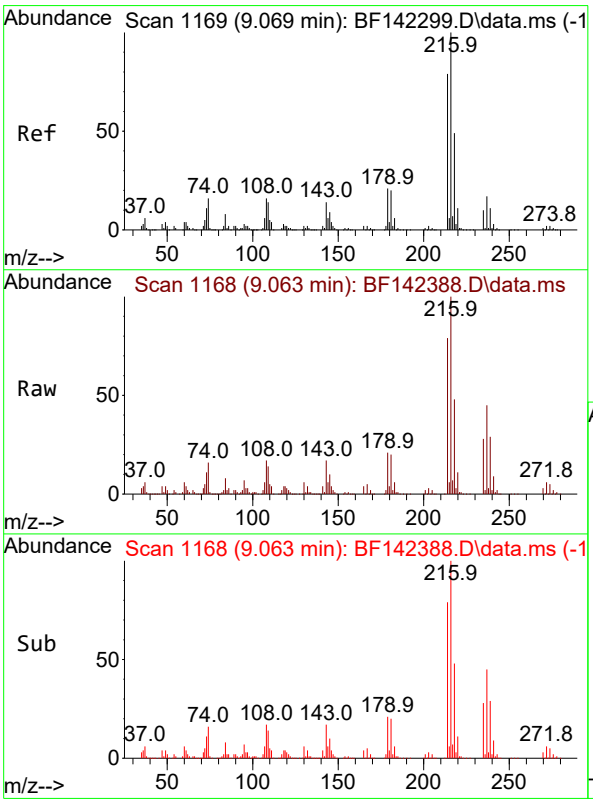
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:164 Resp: 349080

Ion	Ratio	Lower	Upper
164	100		
162	98.7	79.2	118.8
160	43.5	35.3	52.9

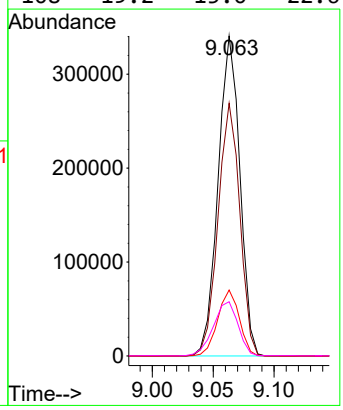


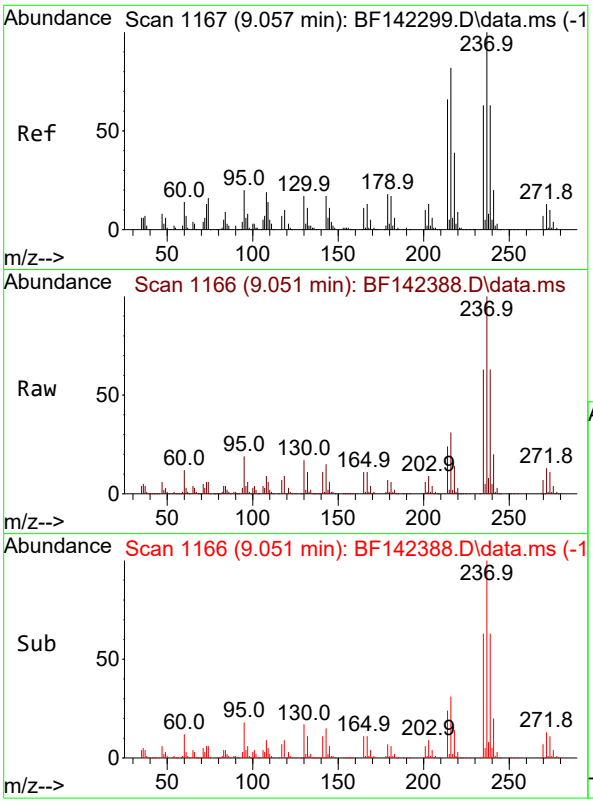


#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.530 ng
RT: 9.063 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:216 Resp: 424400

Ion	Ratio	Lower	Upper
216	100		
214	78.7	63.8	95.6
179	20.5	17.0	25.6
108	19.2	15.0	22.6



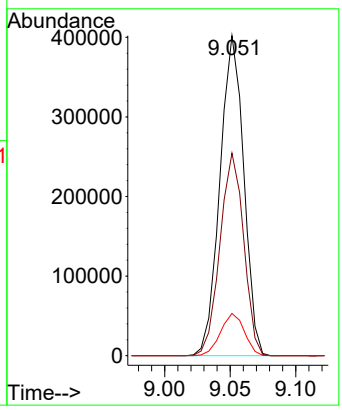


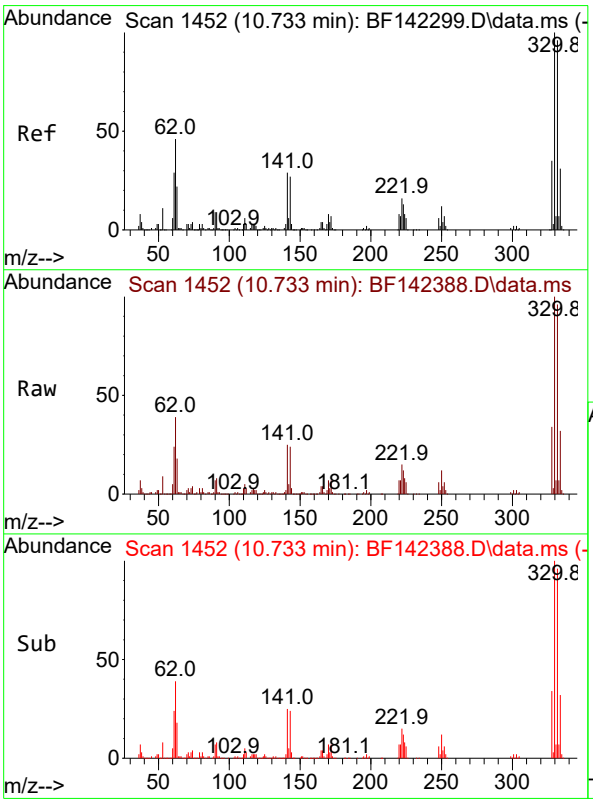
#41
Hexachlorocyclopentadiene
Concen: 84.288 ng
RT: 9.051 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:237 Resp: 507870

Ion	Ratio	Lower	Upper
237	100		
235	63.3	42.8	82.8
272	13.2	0.0	33.0

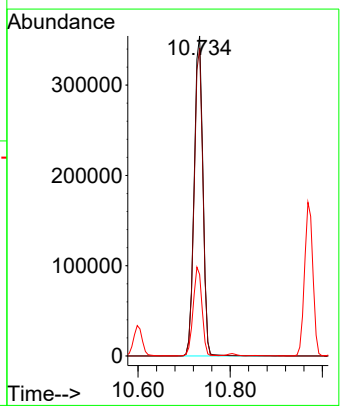


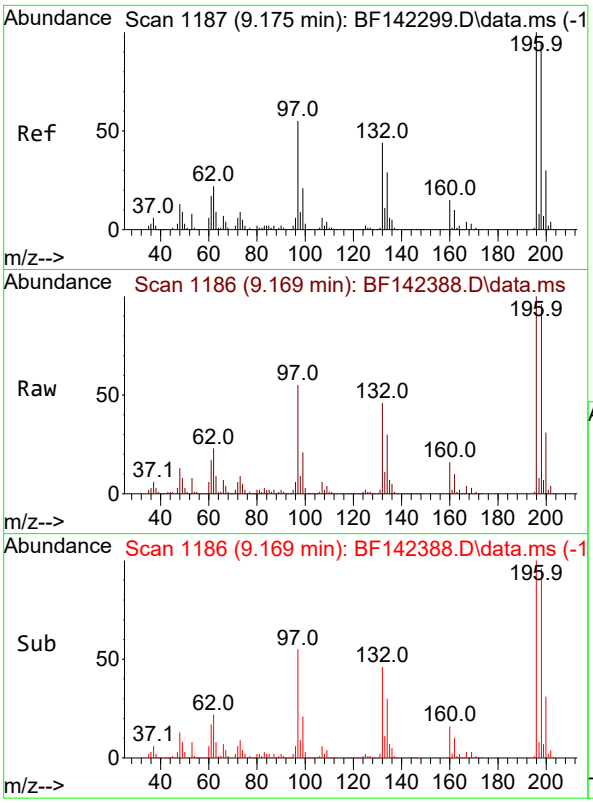


#42
2,4,6-Tribromophenol
Concen: 137.681 ng
RT: 10.733 min Scan# 1452
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:330 Resp: 464026

Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.8	115.2
141	27.9	24.9	37.3



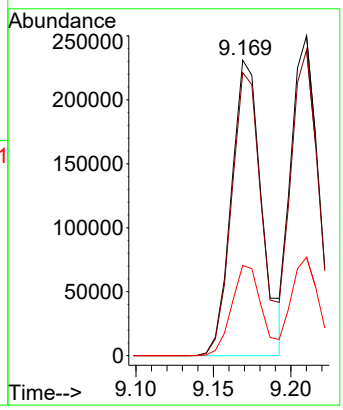


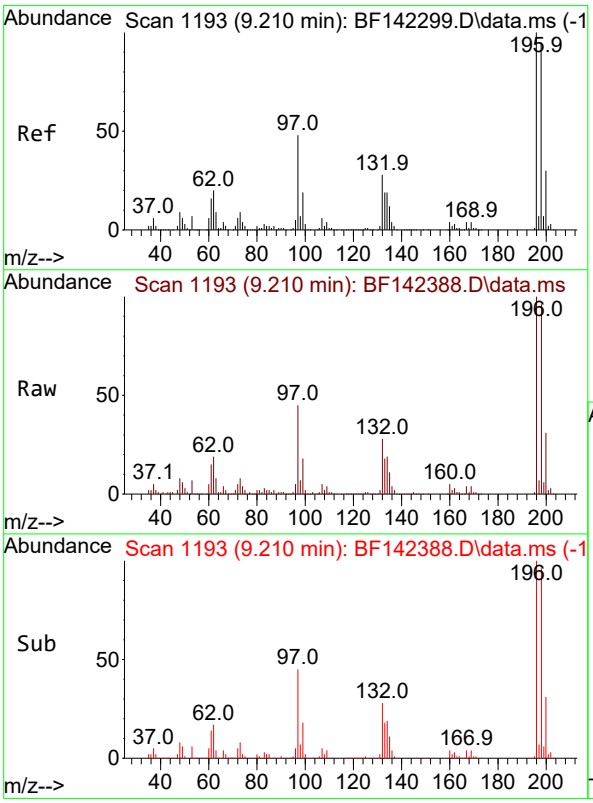
#43
2,4,6-Trichlorophenol
Concen: 51.164 ng
RT: 9.169 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:196 Resp: 314642

Ion	Ratio	Lower	Upper
196	100		
198	95.8	75.4	113.0
200	30.5	24.3	36.5

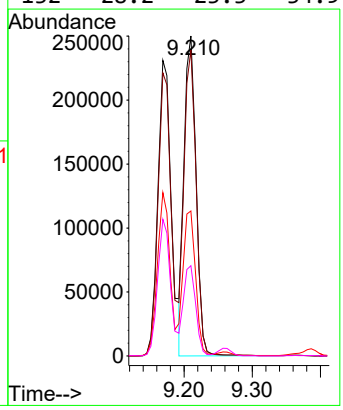


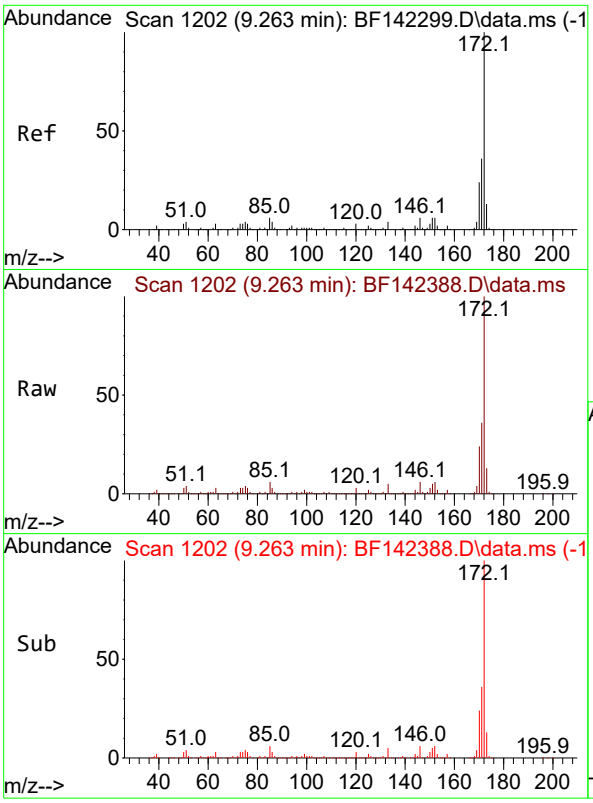


#44
2,4,5-Trichlorophenol
Concen: 46.570 ng
RT: 9.210 min Scan# 1193
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:196 Resp: 304721

Ion	Ratio	Lower	Upper
196	100		
198	95.6	76.1	114.1
97	45.3	39.0	58.4
132	28.2	23.3	34.9



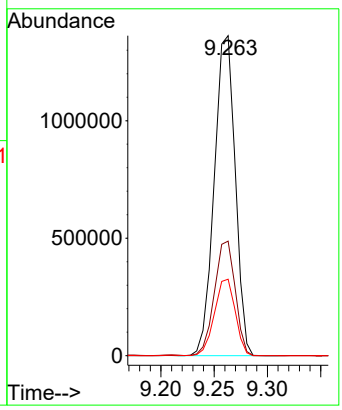


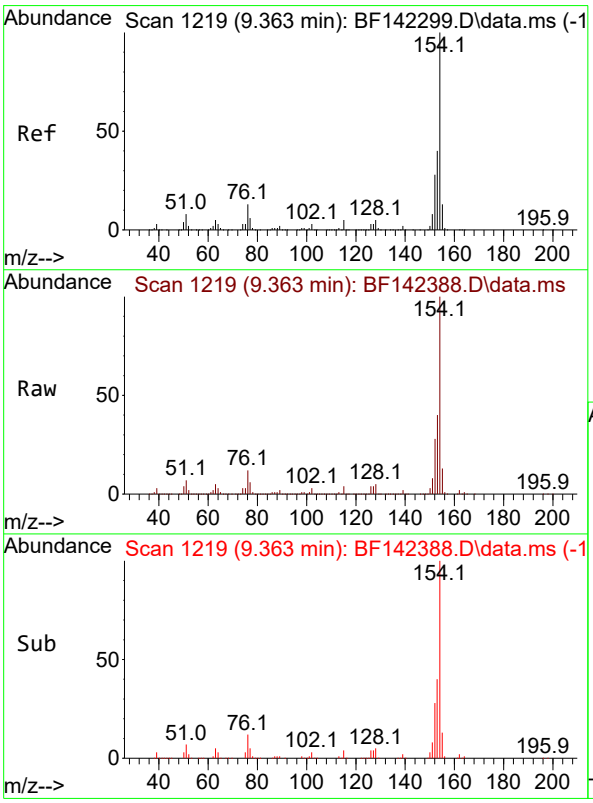
#45
2-Fluorobiphenyl
Concen: 75.993 ng
RT: 9.263 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:172 Resp: 1860447

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	42.8
170	23.9	19.0	28.4

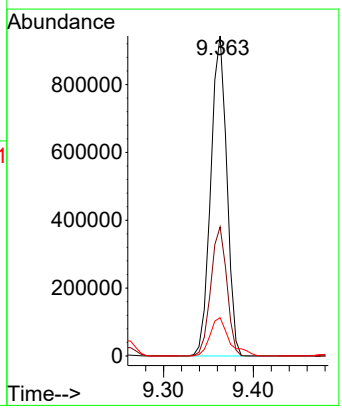


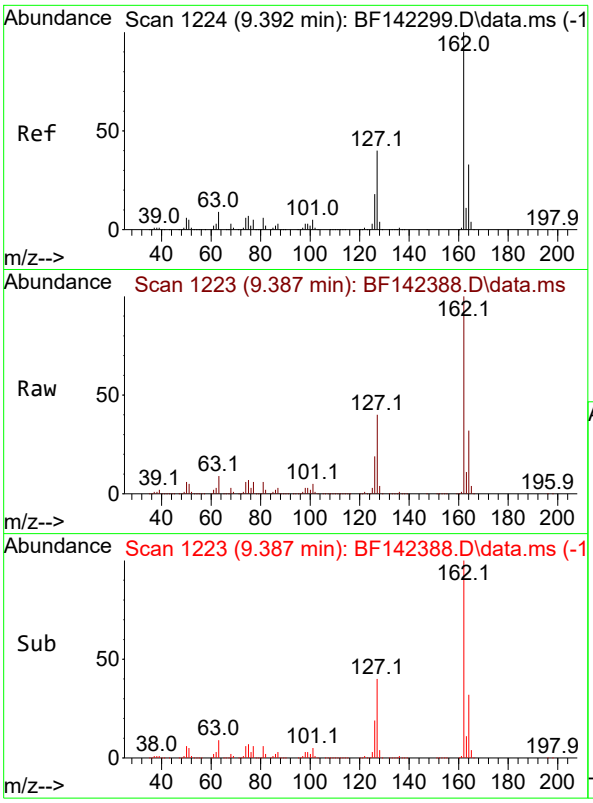


#46
1,1'-Biphenyl
Concen: 43.670 ng
RT: 9.363 min Scan# 1219
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:154 Resp: 1168846

Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.5	60.5
76	12.0	0.0	32.8



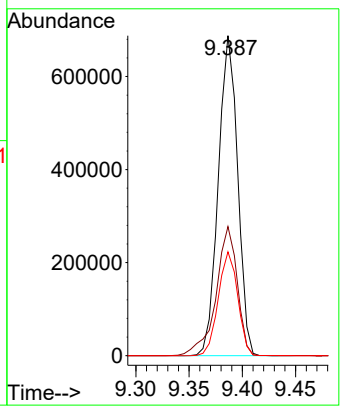


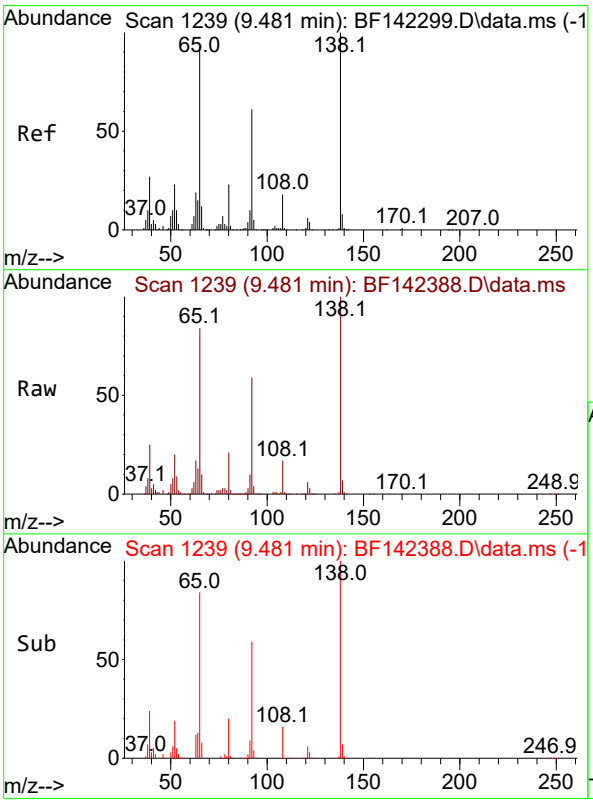
#47
2-Chloronaphthalene
Concen: 43.548 ng
RT: 9.387 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:162 Resp: 866810

Ion	Ratio	Lower	Upper
162	100		
127	40.4	32.3	48.5
164	32.4	26.6	40.0

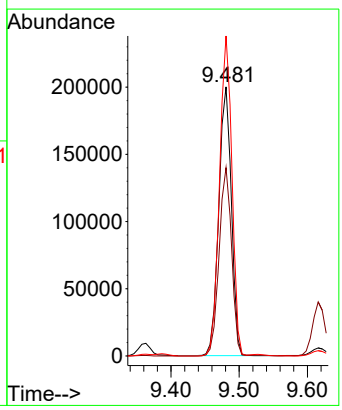


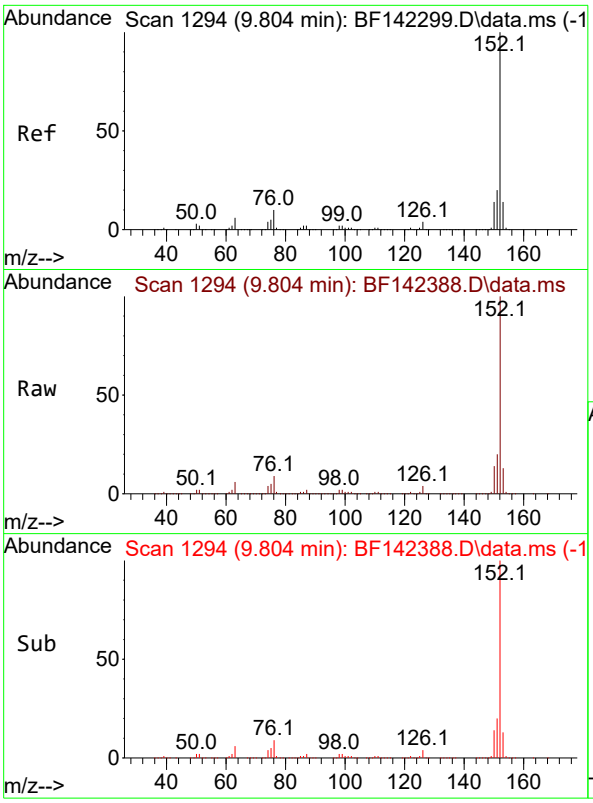


#48
2-Nitroaniline
Concen: 50.466 ng
RT: 9.481 min Scan# 1239
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion: 65 Resp: 257479

Ion	Ratio	Lower	Upper
65	100		
92	70.0	52.3	78.5
138	118.9	85.6	128.4



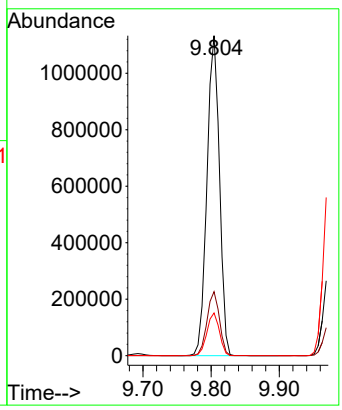


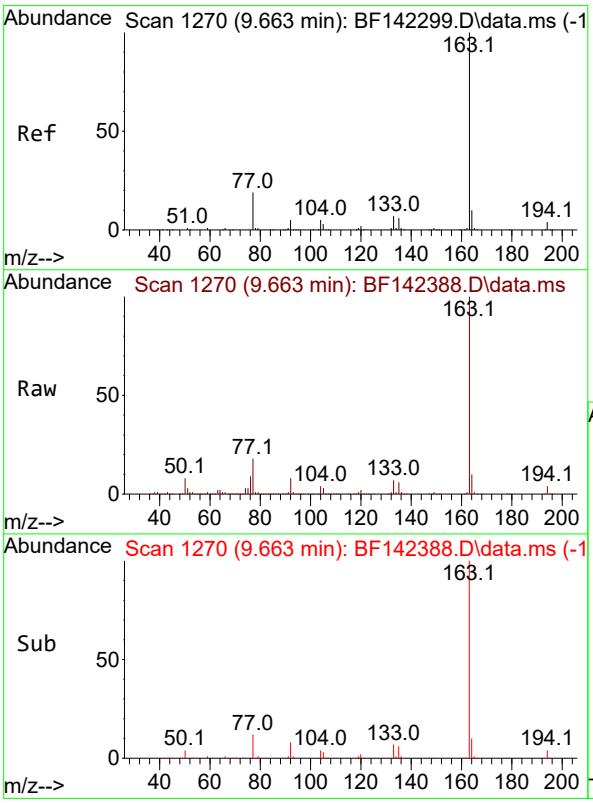
#49
Acenaphthylene
Concen: 43.358 ng
RT: 9.804 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:152 Resp: 1443735

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.0	24.0
153	13.4	10.8	16.2

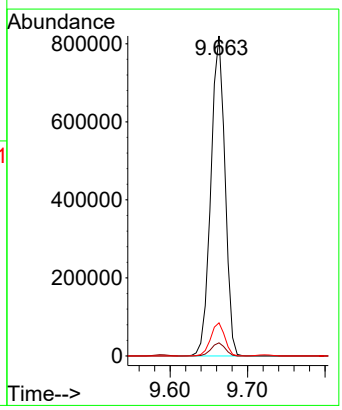


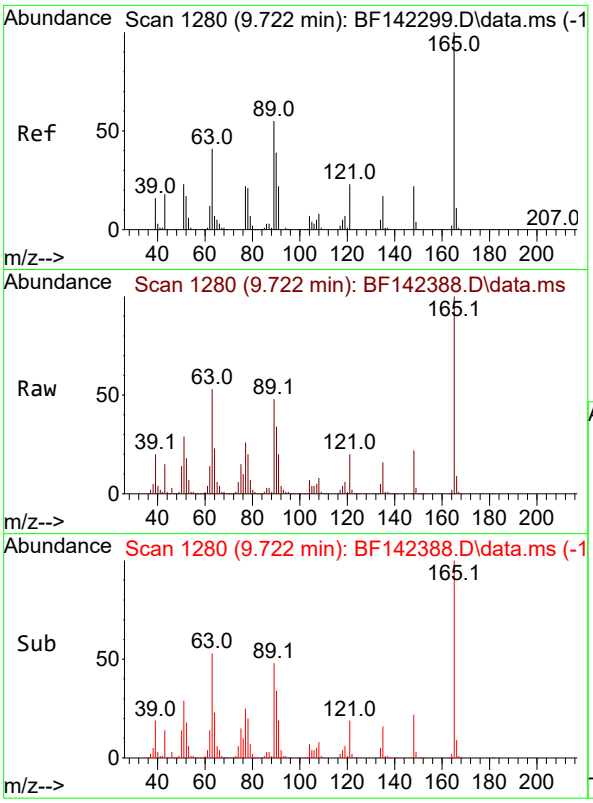


#50
Dimethylphthalate
Concen: 46.337 ng
RT: 9.663 min Scan# 1270
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:163 Resp: 1038662

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.2	4.8
164	10.3	8.3	12.5



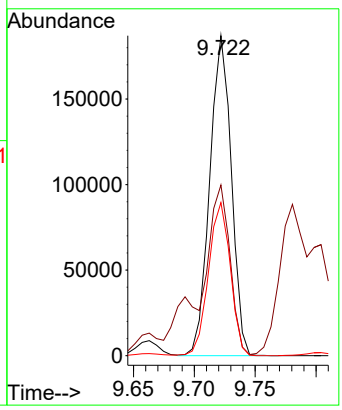


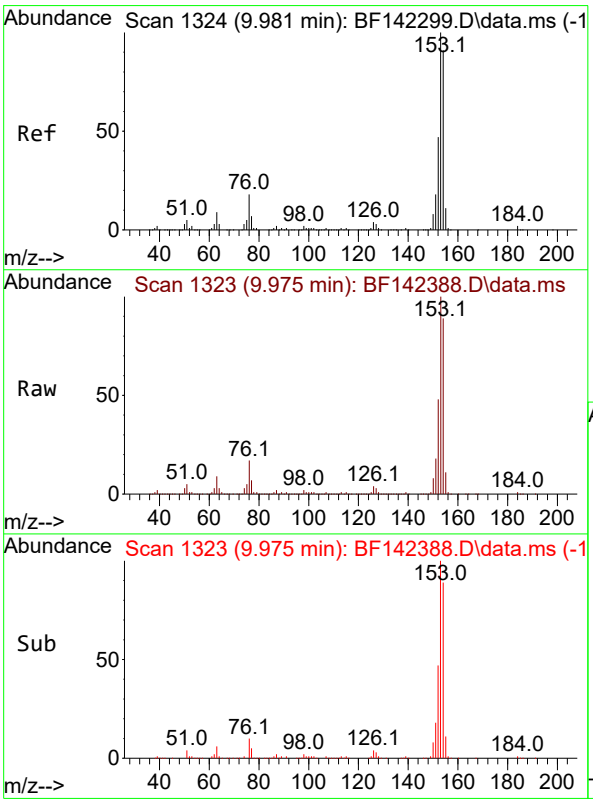
#51
2,6-Dinitrotoluene
Concen: 54.949 ng
RT: 9.722 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:165 Resp: 230553

Ion	Ratio	Lower	Upper
165	100		
63	53.4	49.5	74.3
89	47.9	44.6	66.8

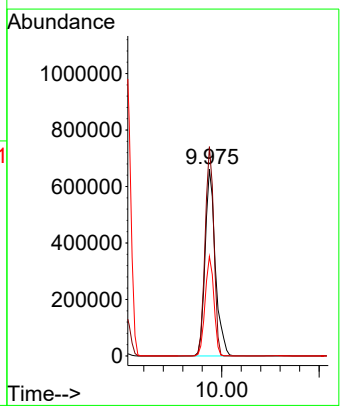


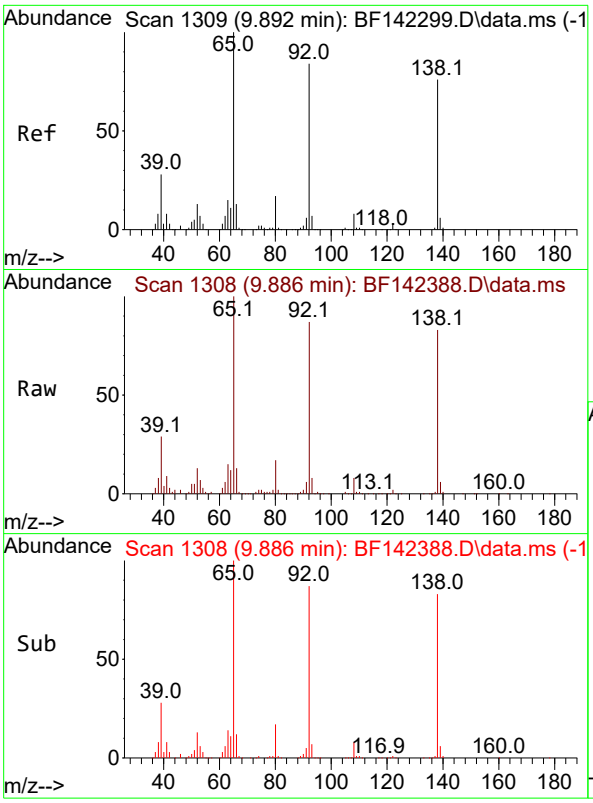


#52
Acenaphthene
Concen: 48.109 ng
RT: 9.975 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:154 Resp: 963224

Ion	Ratio	Lower	Upper
154	100		
153	111.9	88.0	132.0
152	53.2	41.6	62.4



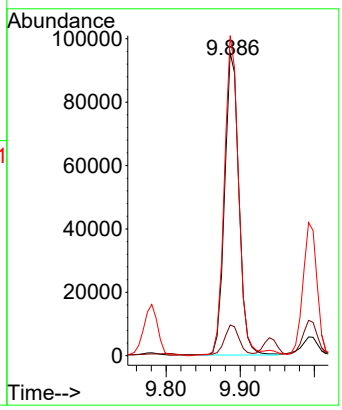


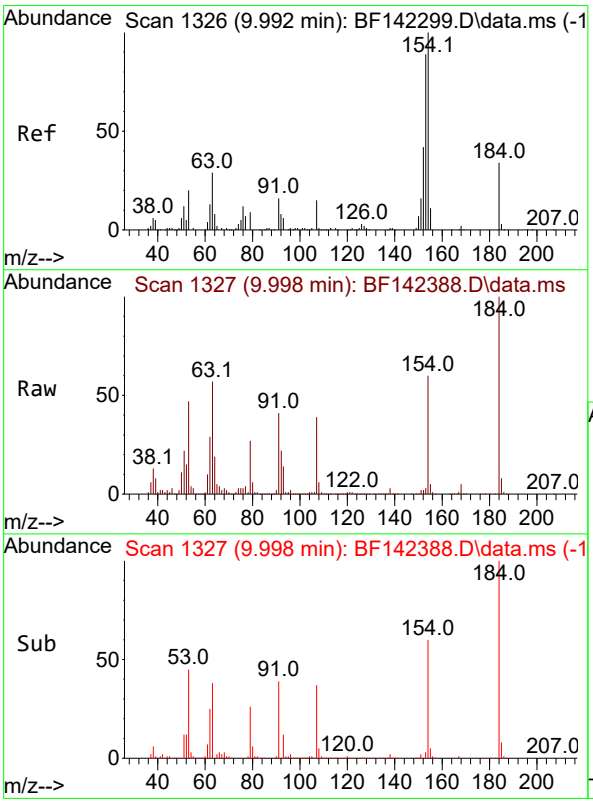
#53
3-Nitroaniline
Concen: 25.872 ng
RT: 9.886 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:138 Resp: 127310

Ion	Ratio	Lower	Upper
138	100		
108	10.1	8.7	13.1
92	105.7	89.5	134.3

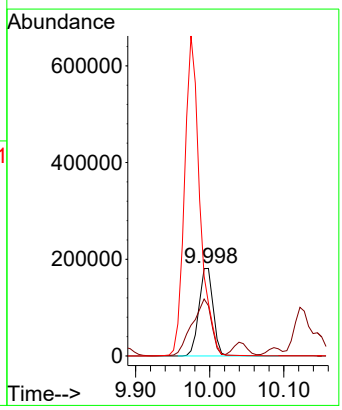


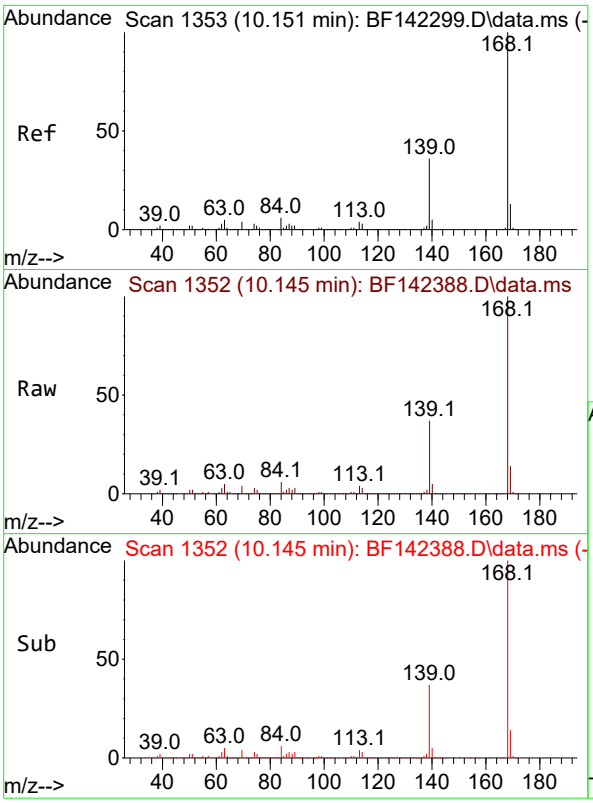


#54
2,4-Dinitrophenol
Concen: 107.582 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:184 Resp: 242565

Ion	Ratio	Lower	Upper
184	100		
63	57.4	70.6	105.8#
154	60.3	257.2	385.8#



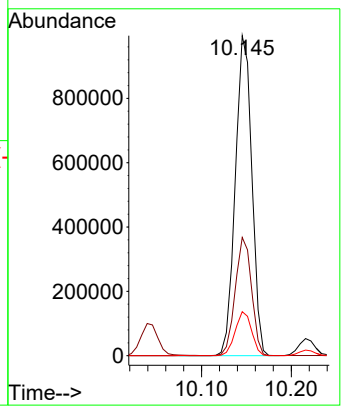


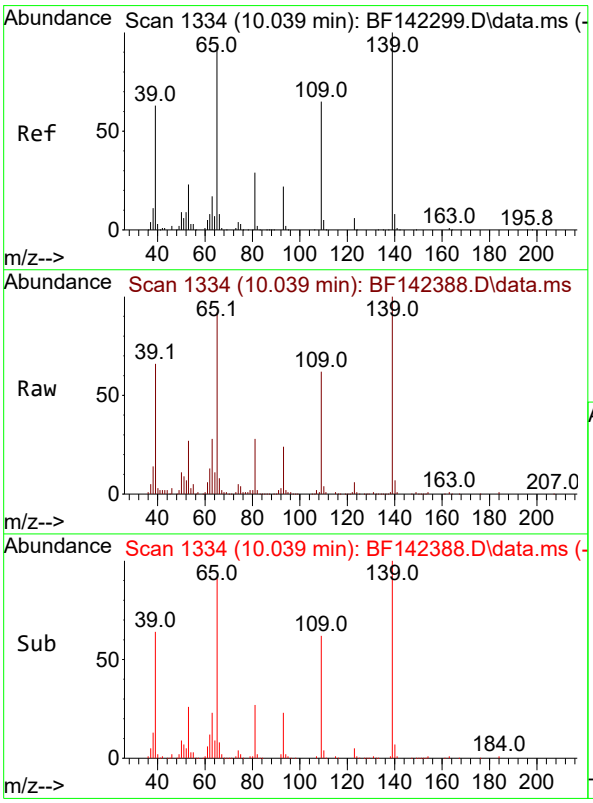
#55
Dibenzofuran
Concen: 43.106 ng
RT: 10.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:168 Resp: 1273696

Ion	Ratio	Lower	Upper
168	100		
139	37.0	29.0	43.4
169	13.8	10.7	16.1

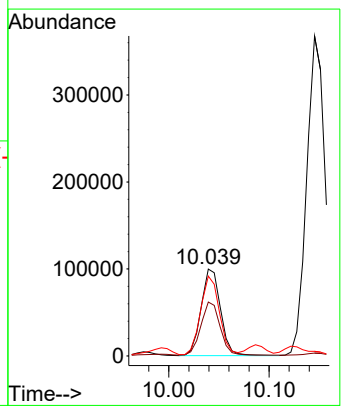


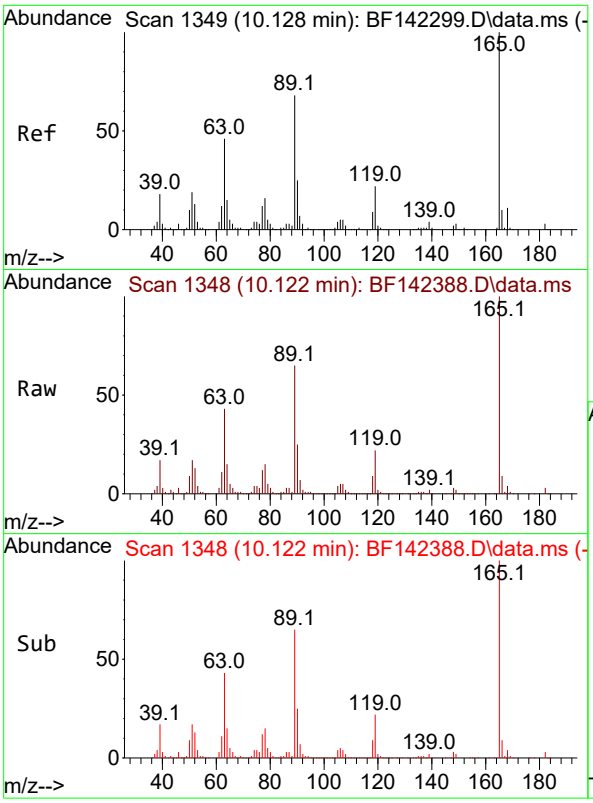


#56
4-Nitrophenol
Concen: 36.240 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:139 Resp: 134214

Ion	Ratio	Lower	Upper
139	100		
109	62.2	45.3	85.3
65	91.8	73.9	113.9



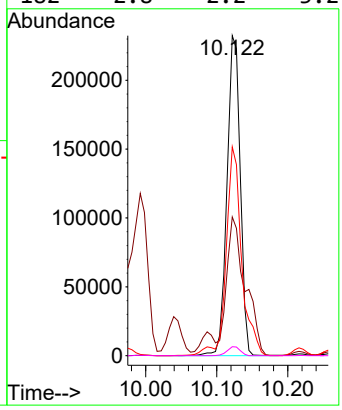


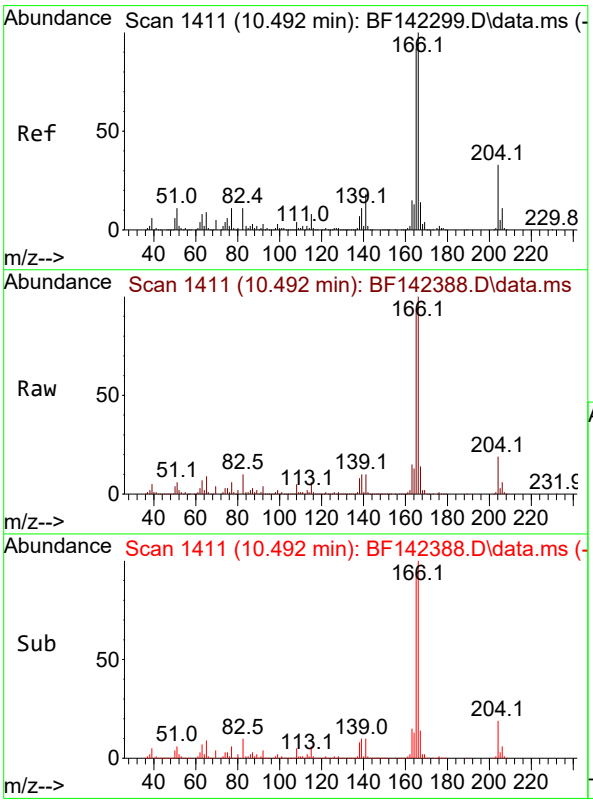
#57
2,4-Dinitrotoluene
Concen: 55.899 ng
RT: 10.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:165 Resp: 300847

Ion	Ratio	Lower	Upper
165	100		
63	43.3	37.1	55.7
89	65.2	54.4	81.6
182	2.8	2.2	3.2

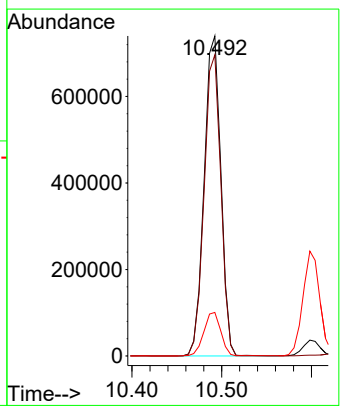


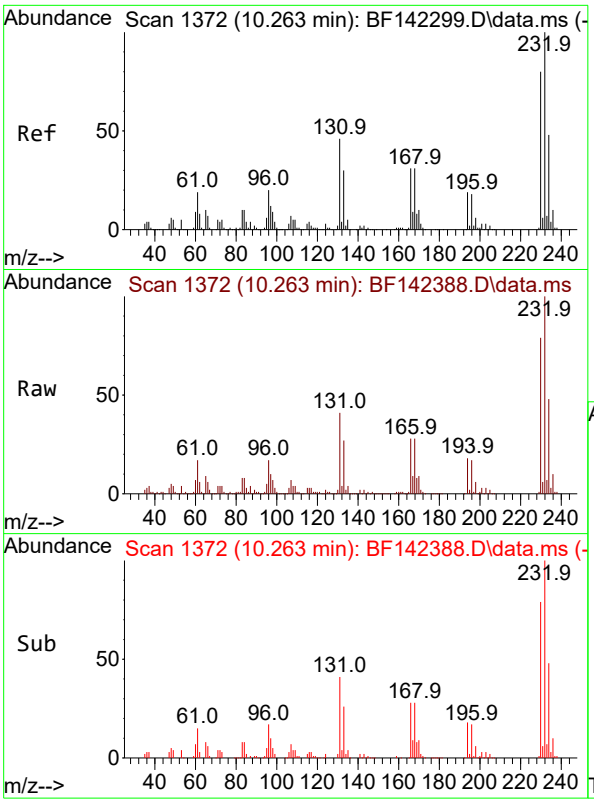


#58
Fluorene
Concen: 42.489 ng
RT: 10.492 min Scan# 1411
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:166 Resp: 958116

Ion	Ratio	Lower	Upper
166	100		
165	94.1	74.0	111.0
167	13.6	10.9	16.3



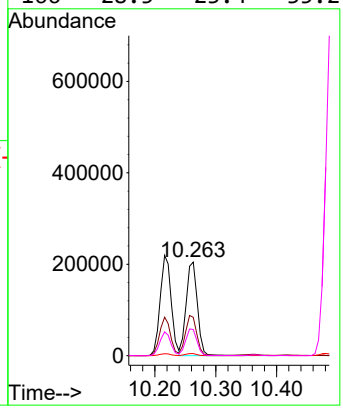


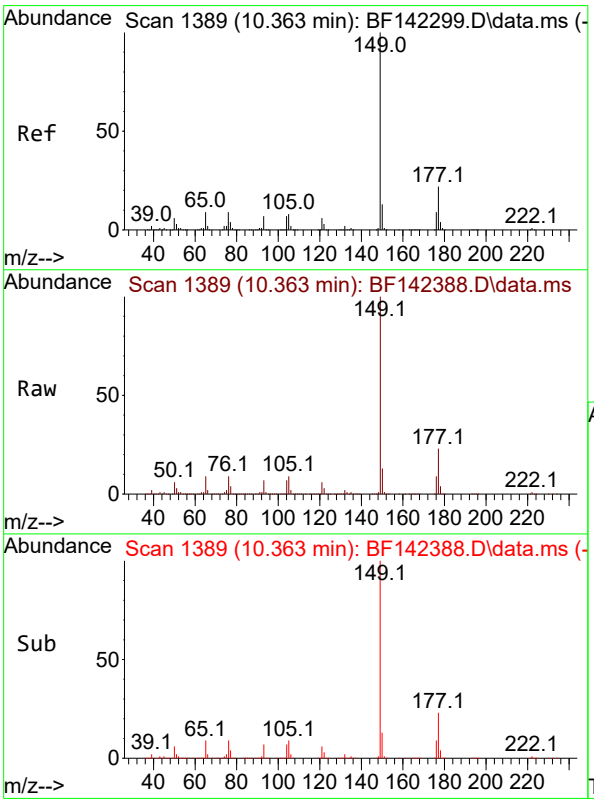
#59
2,3,4,6-Tetrachlorophenol
Concen: 48.631 ng
RT: 10.263 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:232 Resp: 262685

Ion	Ratio	Lower	Upper
232	100		
131	42.1	36.0	54.0
130	2.4	1.8	2.6
166	28.5	23.4	35.2

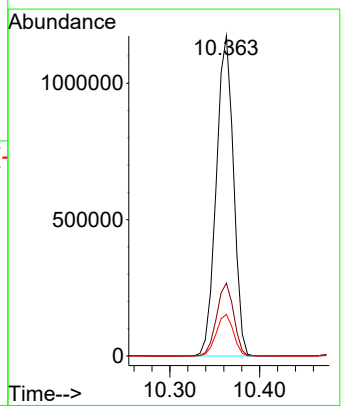


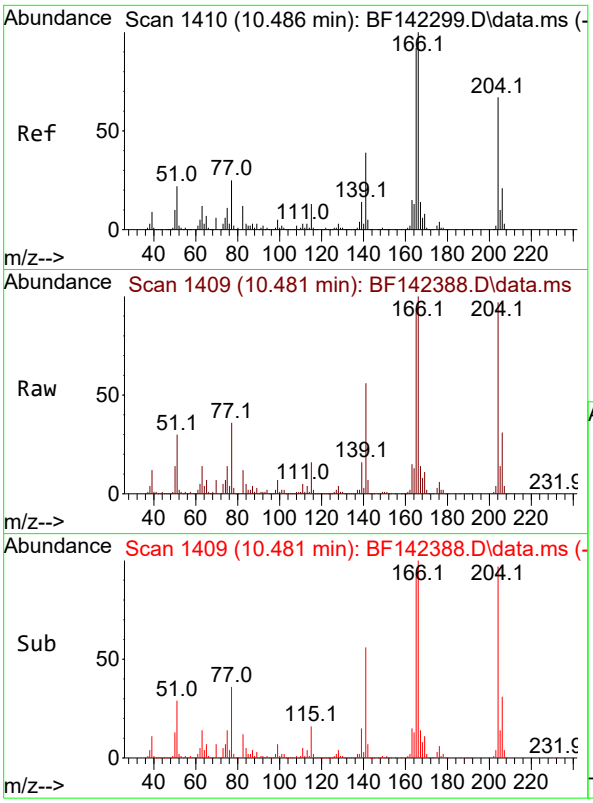


#60
Diethylphthalate
Concen: 69.844 ng
RT: 10.363 min Scan# 1389
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:149 Resp: 1563487

Ion	Ratio	Lower	Upper
149	100		
177	22.7	17.6	26.4
150	13.0	10.1	15.1



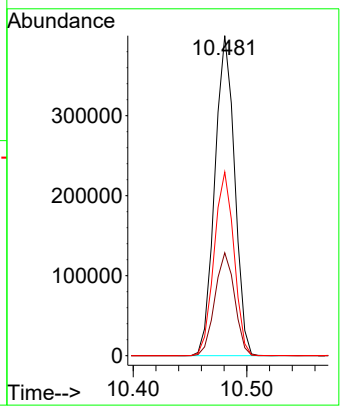


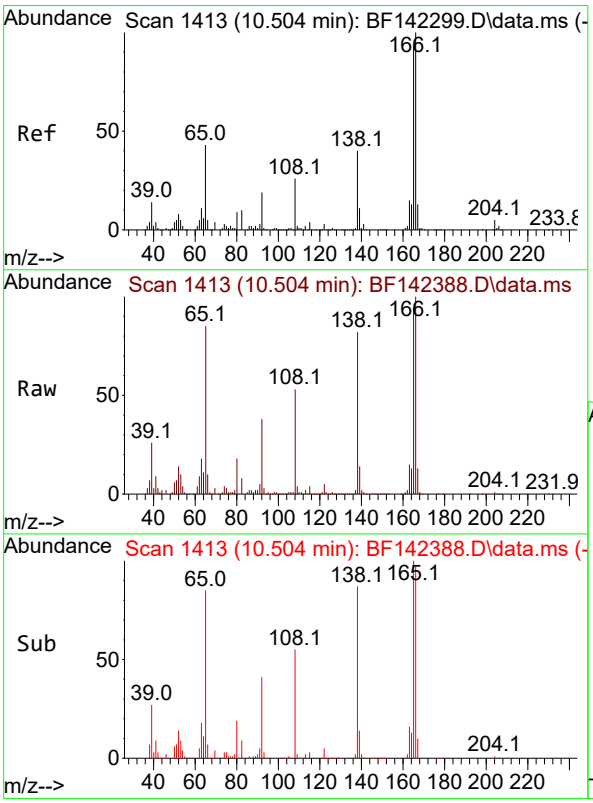
#61
4-Chlorophenyl-phenylether
Concen: 44.510 ng
RT: 10.481 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:204 Resp: 484239

Ion	Ratio	Lower	Upper
204	100		
206	32.2	25.5	38.3
141	57.4	46.4	69.6

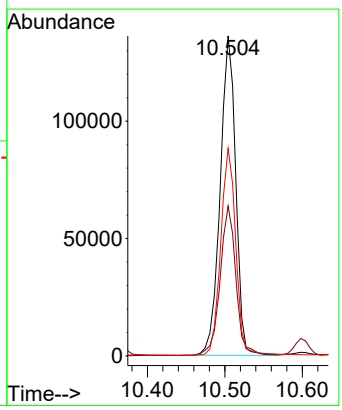


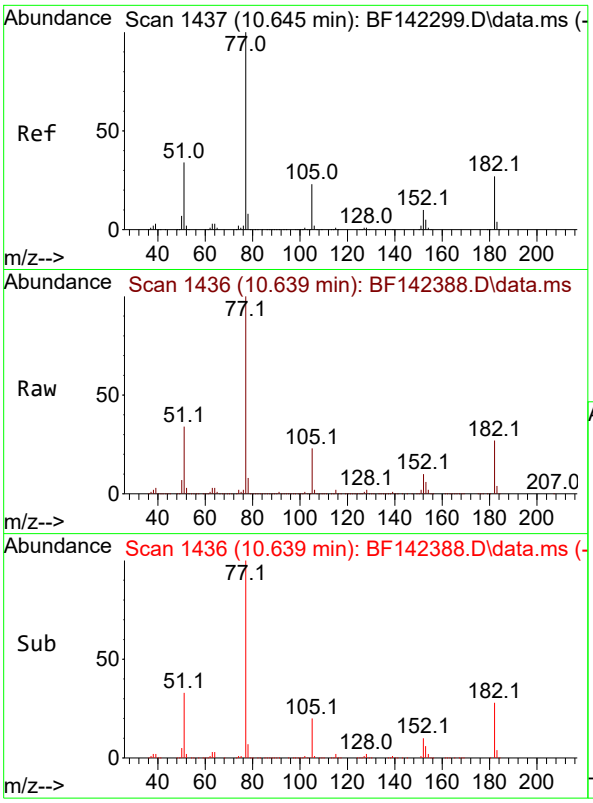


#62
4-Nitroaniline
Concen: 48.759 ng
RT: 10.504 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:138 Resp: 190164

Ion	Ratio	Lower	Upper
138	100		
92	46.9	27.3	67.3
108	64.8	45.1	85.1



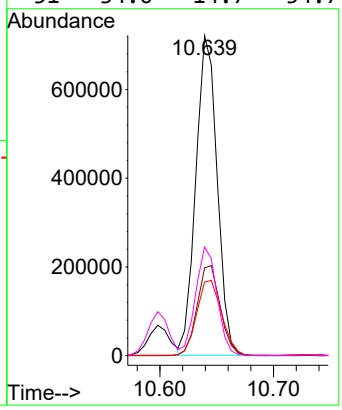


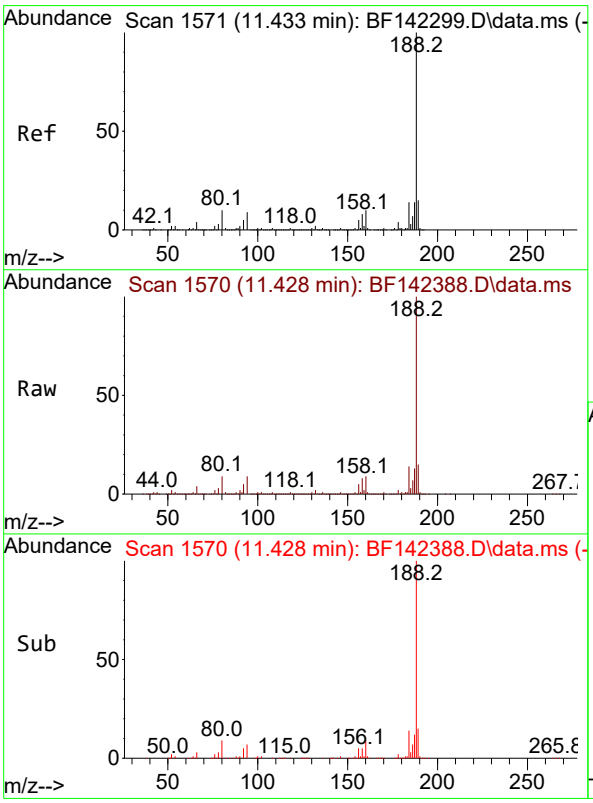
#63
Azobenzene
Concen: 43.974 ng
RT: 10.639 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion: 77 Resp: 940653

Ion	Ratio	Lower	Upper
77	100		
182	27.5	6.9	46.9
105	23.0	2.7	42.7
51	34.0	14.7	54.7

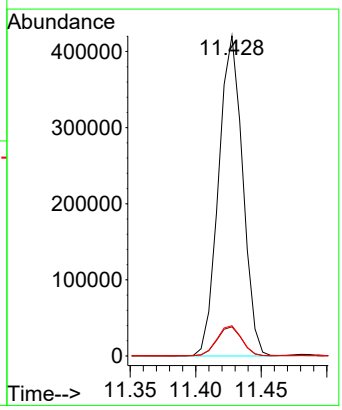


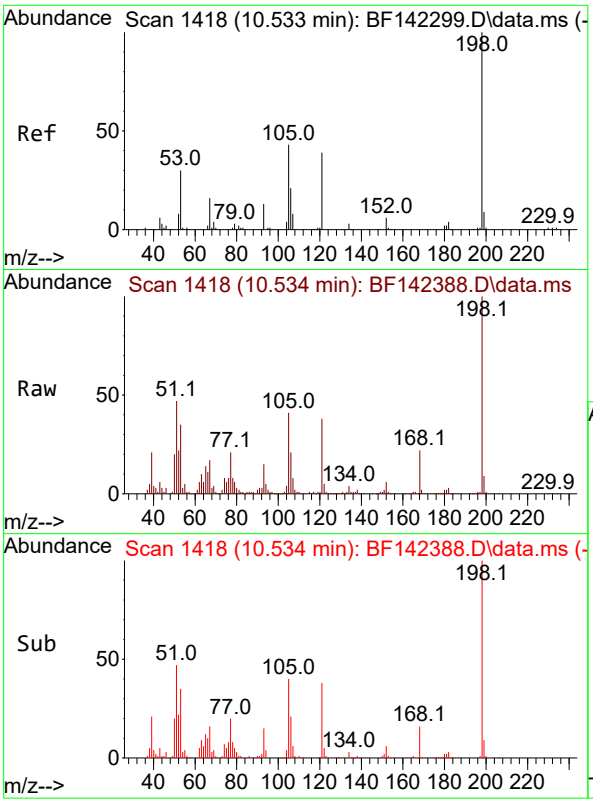


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:188 Resp: 537648

Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.5	11.3
80	9.5	7.9	11.9



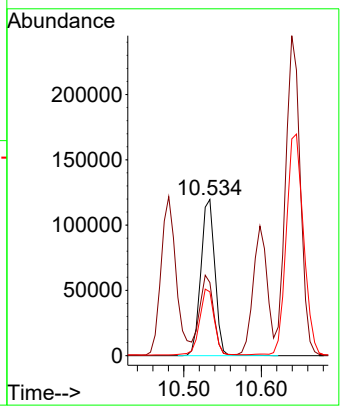


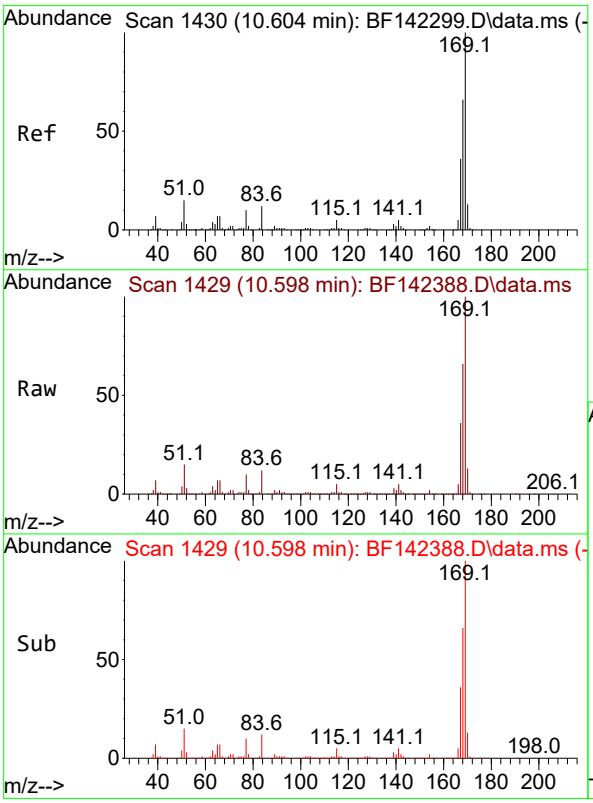
#65
4,6-Dinitro-2-methylphenol
Concen: 58.228 ng
RT: 10.534 min Scan# 14
Delta R.T. 0.001 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:198 Resp: 150445

Ion	Ratio	Lower	Upper
198	100		
51	46.9	32.9	72.9
105	40.9	23.7	63.7

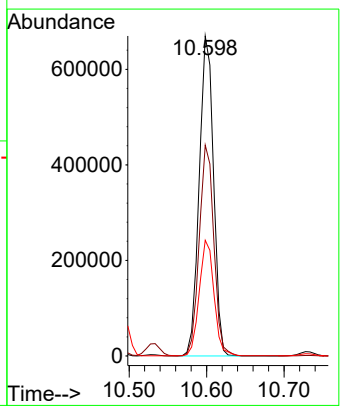


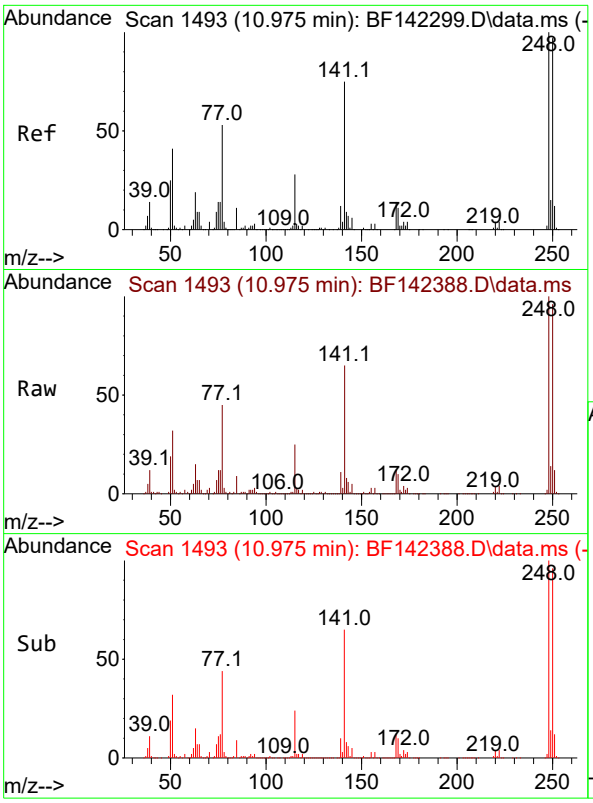


#66
n-Nitrosodiphenylamine
Concen: 48.029 ng
RT: 10.598 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:169 Resp: 859278

Ion	Ratio	Lower	Upper
169	100		
168	65.9	53.2	79.8
167	36.2	28.9	43.3



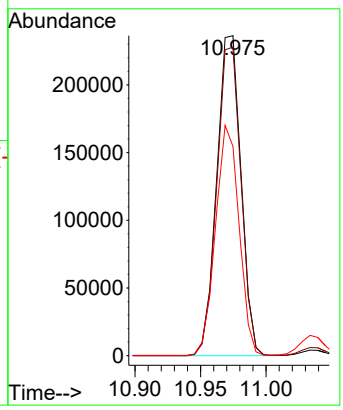


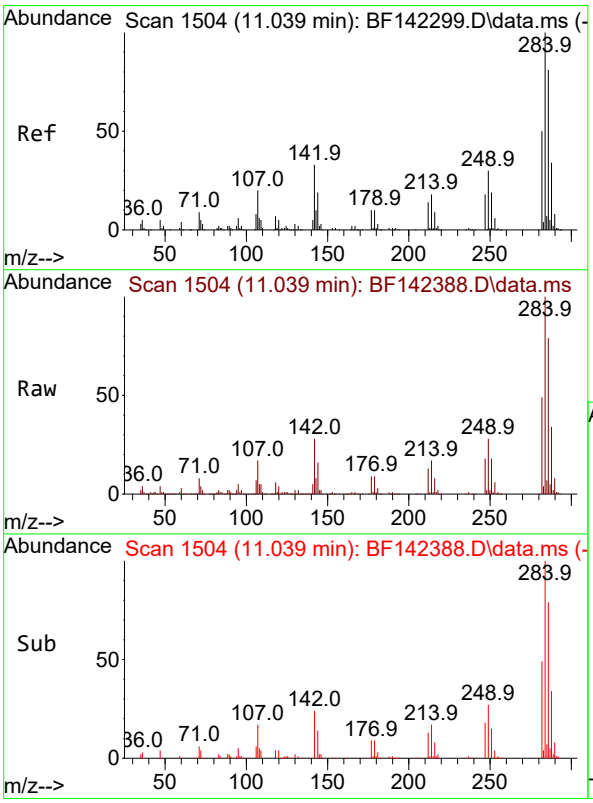
#67
4-Bromophenyl-phenylether
Concen: 49.904 ng
RT: 10.975 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:248 Resp: 304081

Ion	Ratio	Lower	Upper
248	100		
250	96.4	77.9	116.9
141	65.4	59.8	89.8

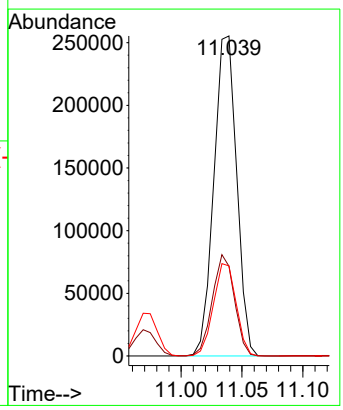


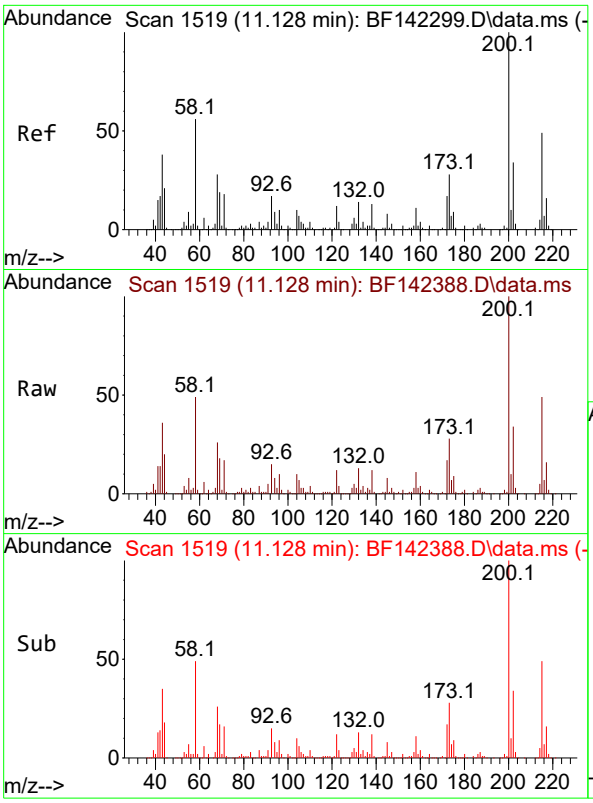


#68
Hexachlorobenzene
Concen: 49.725 ng
RT: 11.039 min Scan# 1504
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:284 Resp: 333282

Ion	Ratio	Lower	Upper
284	100		
142	28.1	26.6	39.8
249	28.2	24.1	36.1



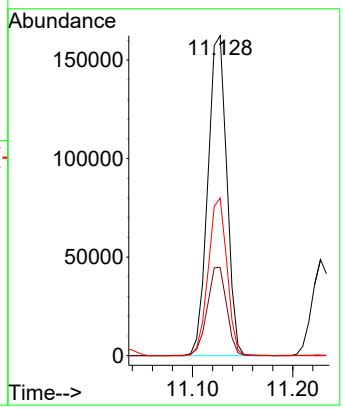


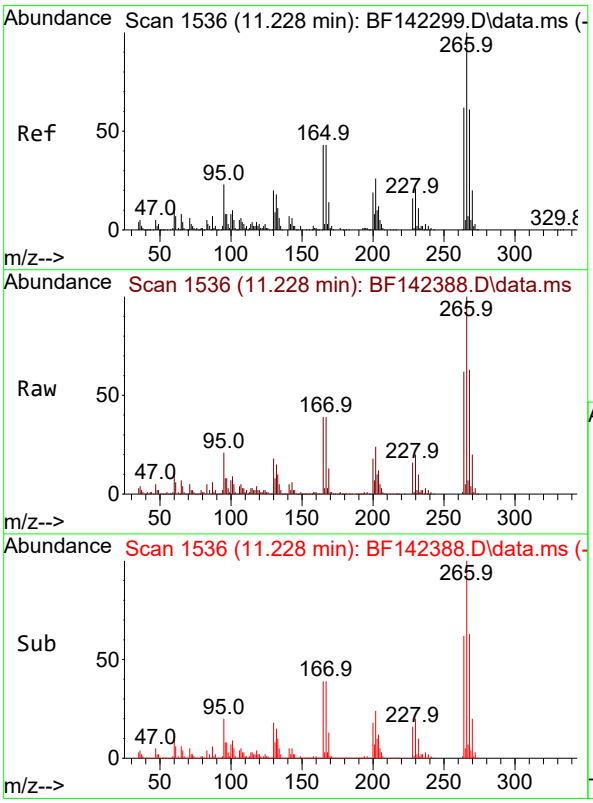
#69
Atrazine
Concen: 45.223 ng
RT: 11.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:200 Resp: 213276

Ion	Ratio	Lower	Upper
200	100		
173	27.6	8.1	48.1
215	49.2	28.8	68.8

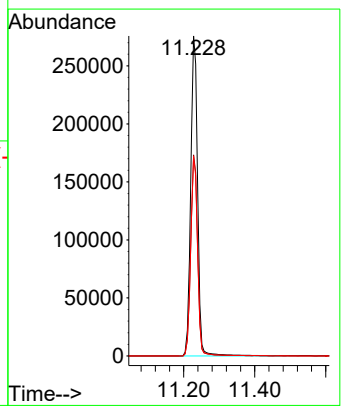


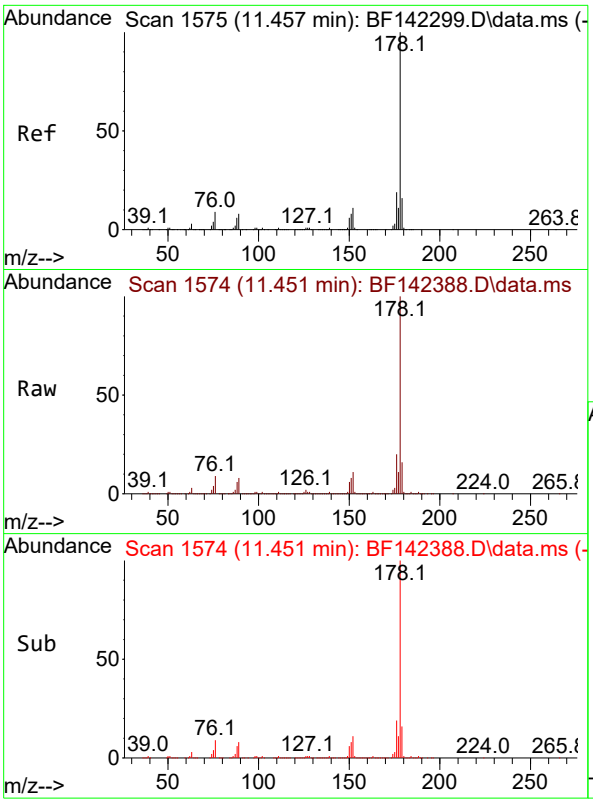


#70
Pentachlorophenol
Concen: 105.447 ng
RT: 11.228 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:266 Resp: 371808

Ion	Ratio	Lower	Upper
266	100		
268	62.9	48.7	73.1
264	62.3	49.8	74.6



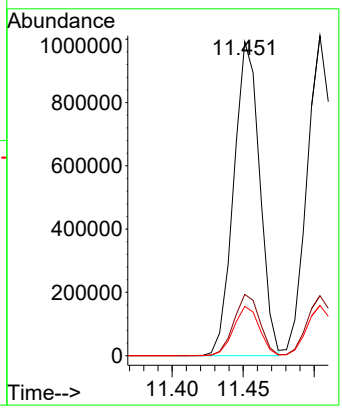


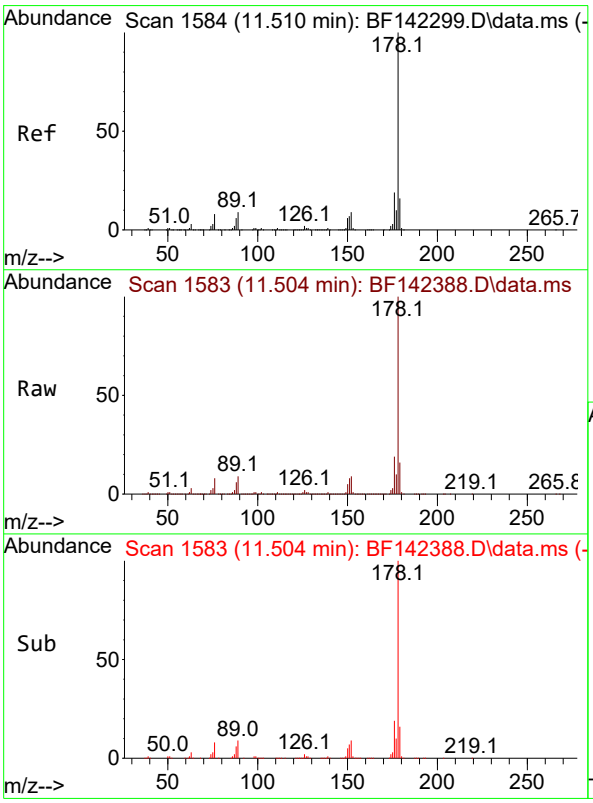
#71
Phenanthrene
Concen: 44.657 ng
RT: 11.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:178 Resp: 1258546

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.5	23.3
179	15.7	12.6	18.8

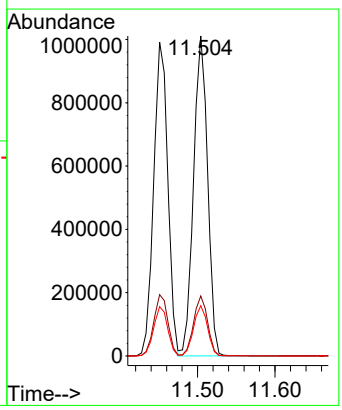


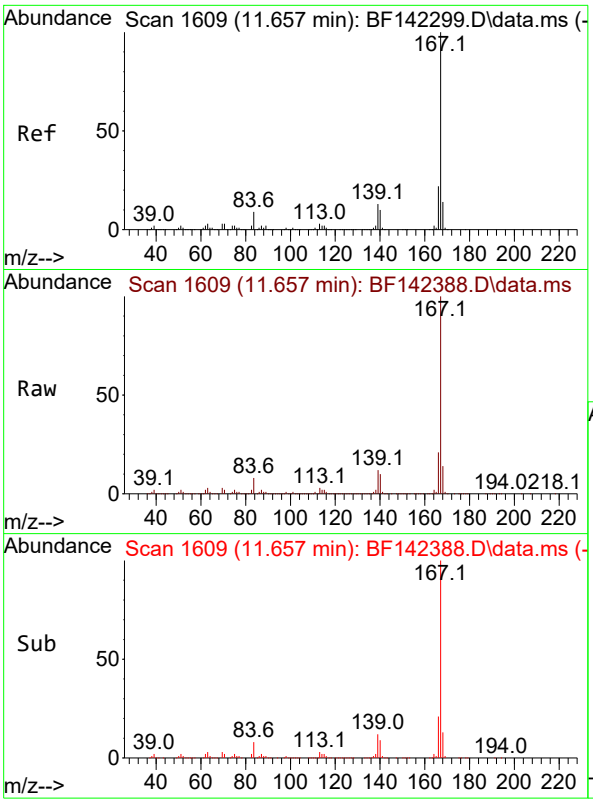


#72
Anthracene
Concen: 43.873 ng
RT: 11.504 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:178 Resp: 1270435

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.3	22.9
179	15.7	12.6	18.8



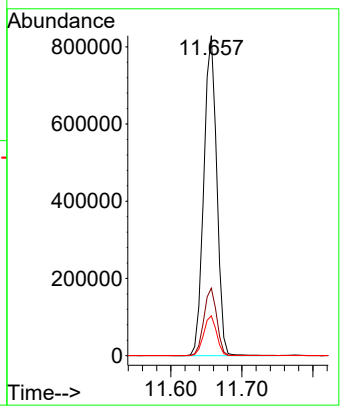


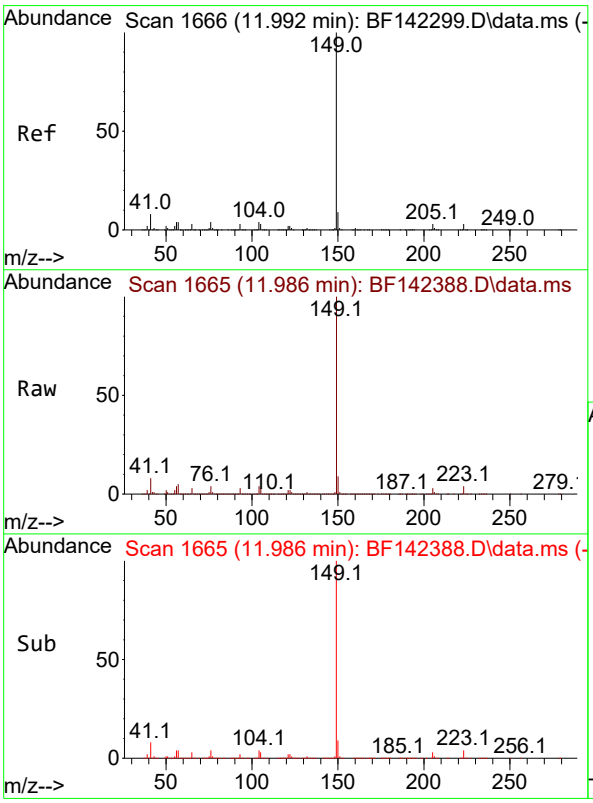
#73
Carbazole
Concen: 40.382 ng
RT: 11.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:167 Resp: 1049104

Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.2	25.8
139	12.4	10.3	15.5

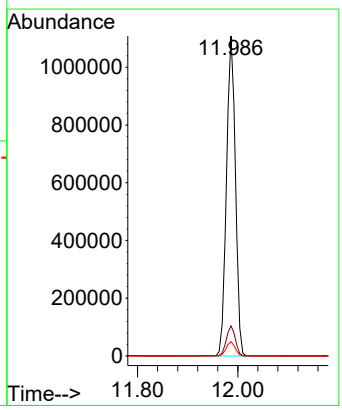


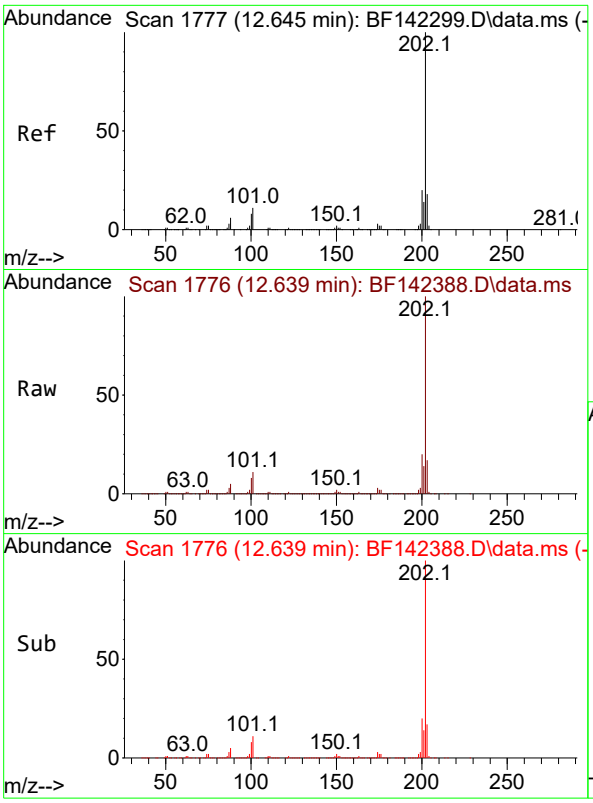


#74
Di-n-butylphthalate
Concen: 50.356 ng
RT: 11.986 min Scan# 1665
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:149 Resp: 1375619

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	4.4	3.6	5.4



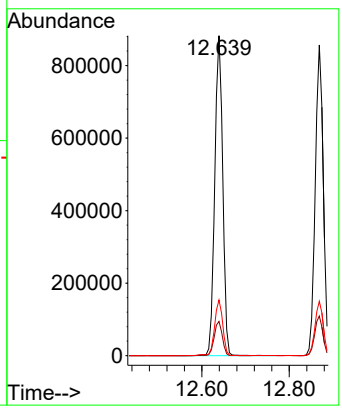


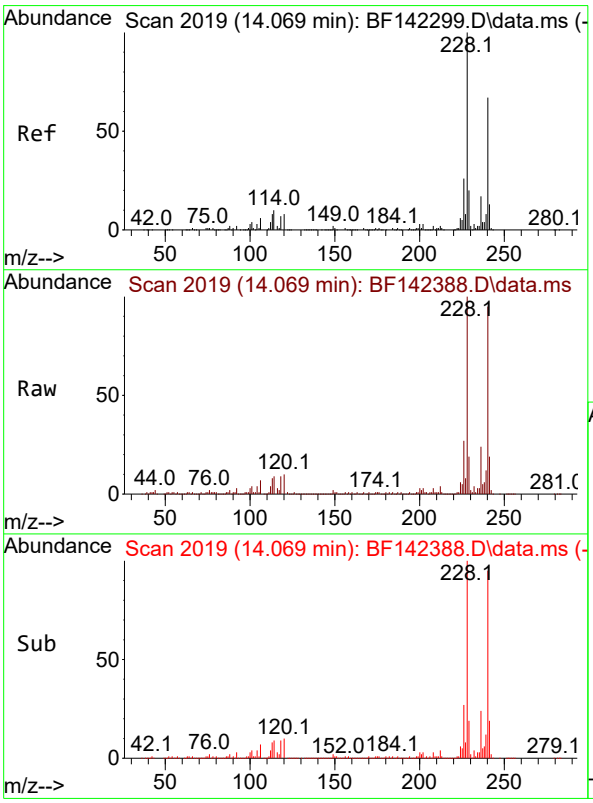
#75
Fluoranthene
Concen: 39.823 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:202 Resp: 1121887

Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	31.4
203	17.4	0.0	37.9

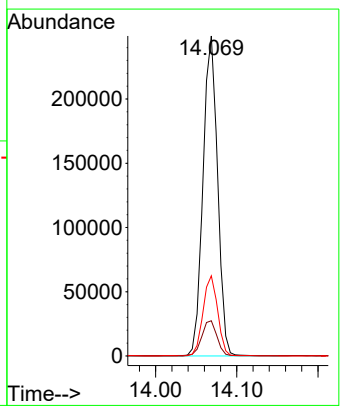


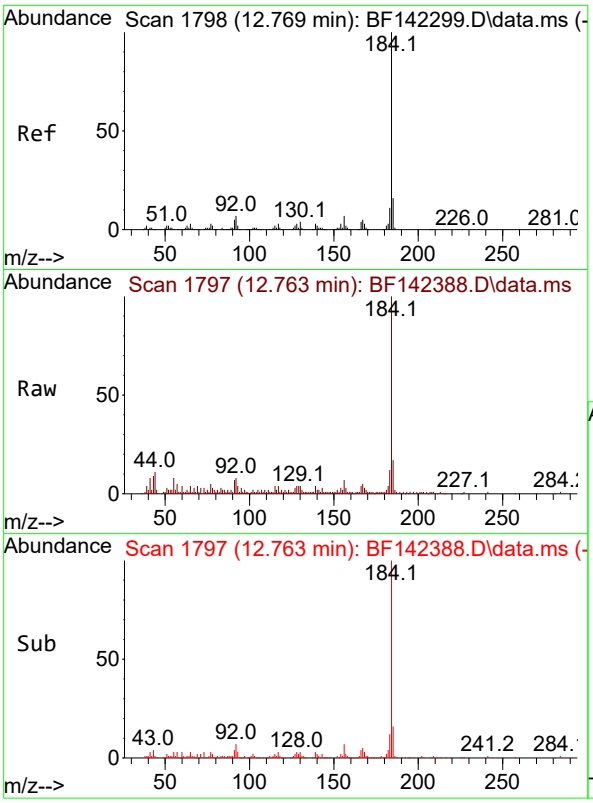


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:240 Resp: 310239

Ion	Ratio	Lower	Upper
240	100		
120	11.0	9.7	14.5
236	25.1	20.0	30.0



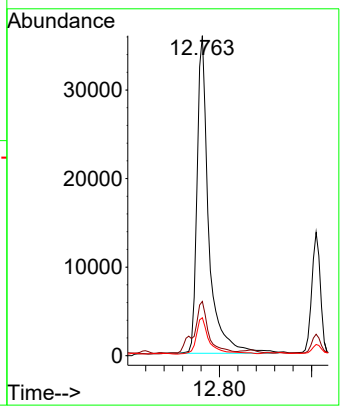


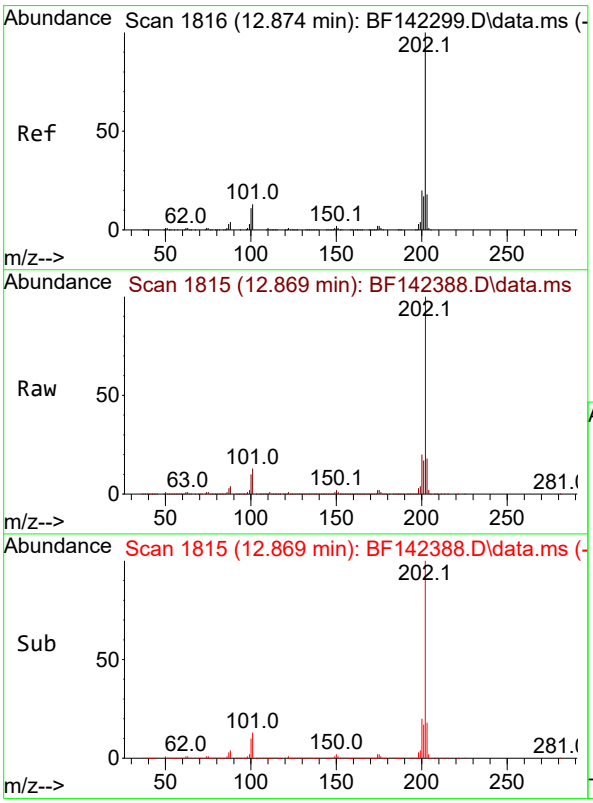
#77
Benzidine
Concen: 11.140 ng
RT: 12.763 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:184 Resp: 62808

Ion	Ratio	Lower	Upper
184	100		
185	17.0	12.6	18.8
183	11.9	8.6	12.8

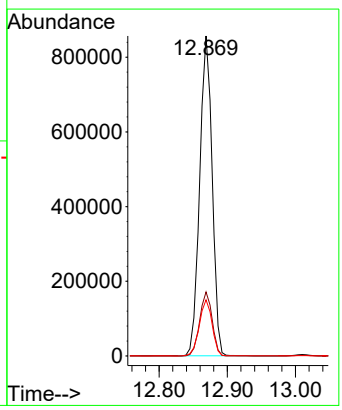


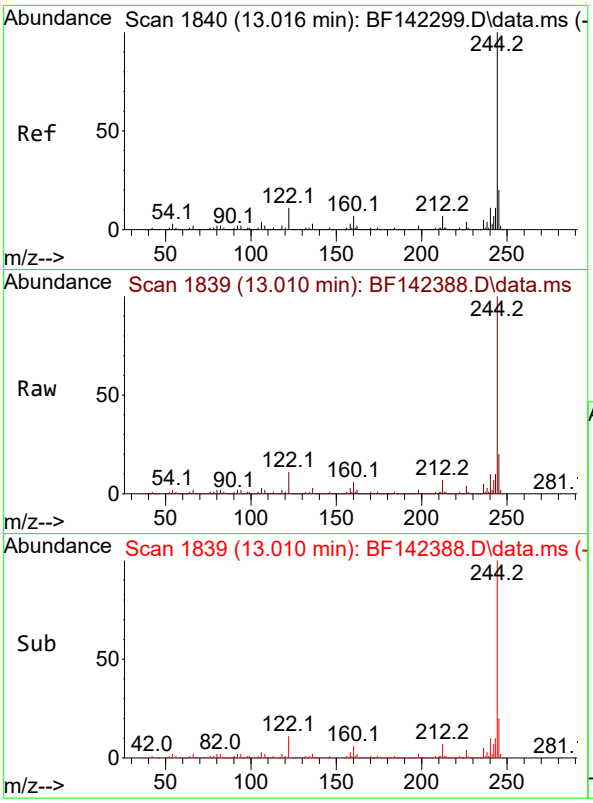


#78
Pyrene
Concen: 39.416 ng
RT: 12.869 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:202 Resp: 1088440

Ion	Ratio	Lower	Upper
202	100		
200	20.0	16.2	24.4
203	17.5	14.3	21.5



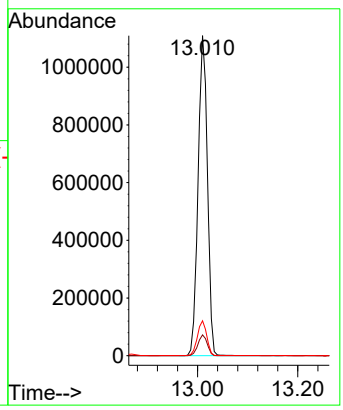


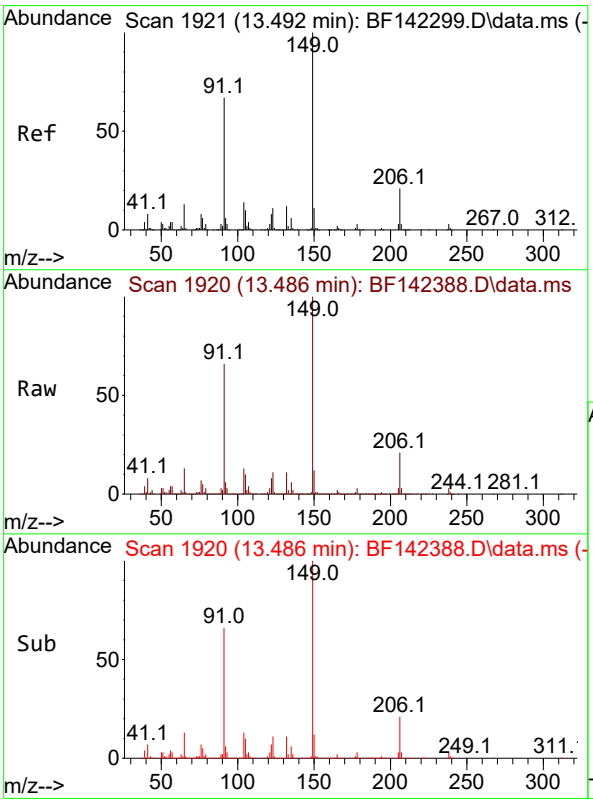
#79
Terphenyl-d14
Concen: 68.221 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:244 Resp: 1429949

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.2
122	10.9	9.0	13.4

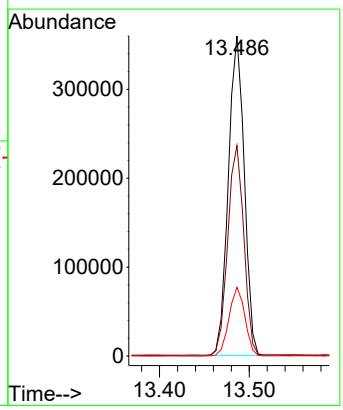


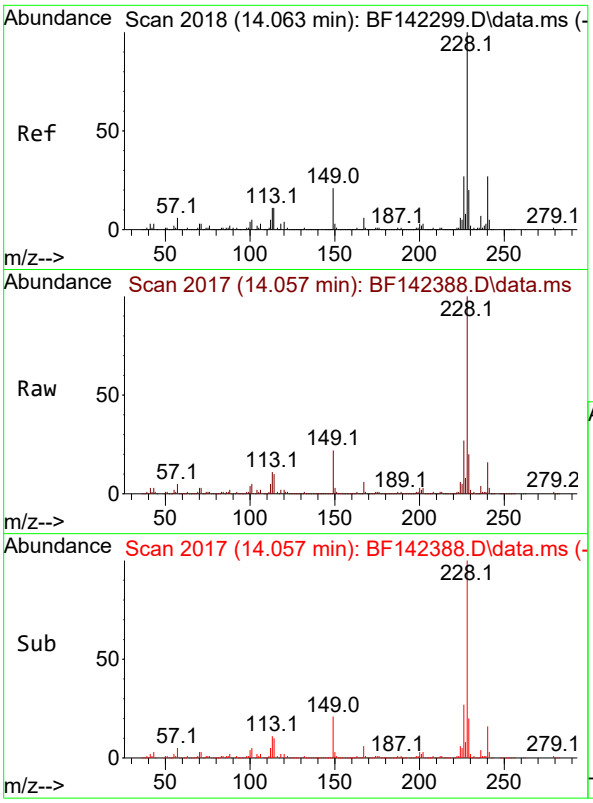


#80
Butylbenzylphthalate
Concen: 54.564 ng
RT: 13.486 min Scan# 1920
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:149 Resp: 444086

Ion	Ratio	Lower	Upper
149	100		
91	65.8	53.8	80.6
206	21.4	16.6	24.8



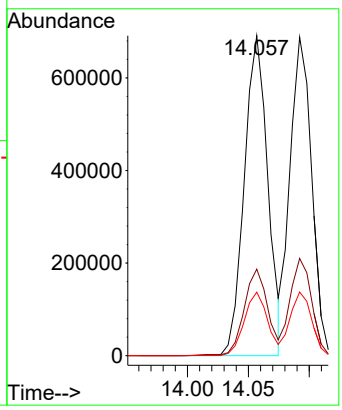


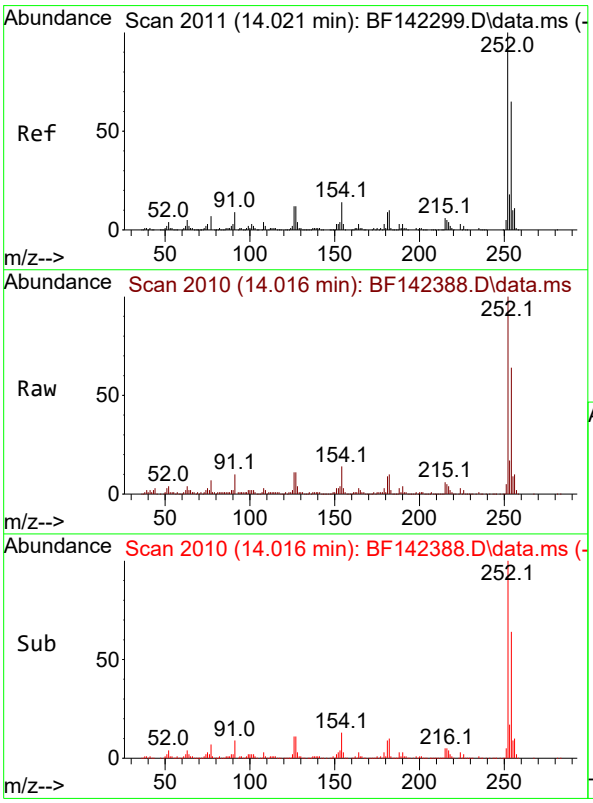
#81
Benzo(a)anthracene
Concen: 46.232 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:228 Resp: 928873

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.5	32.3
229	19.9	15.9	23.9

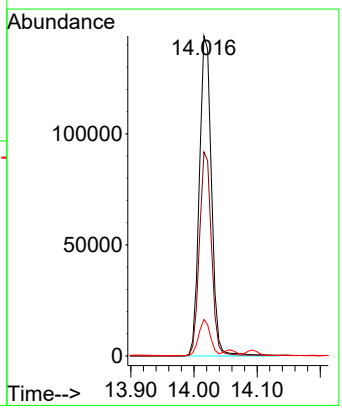


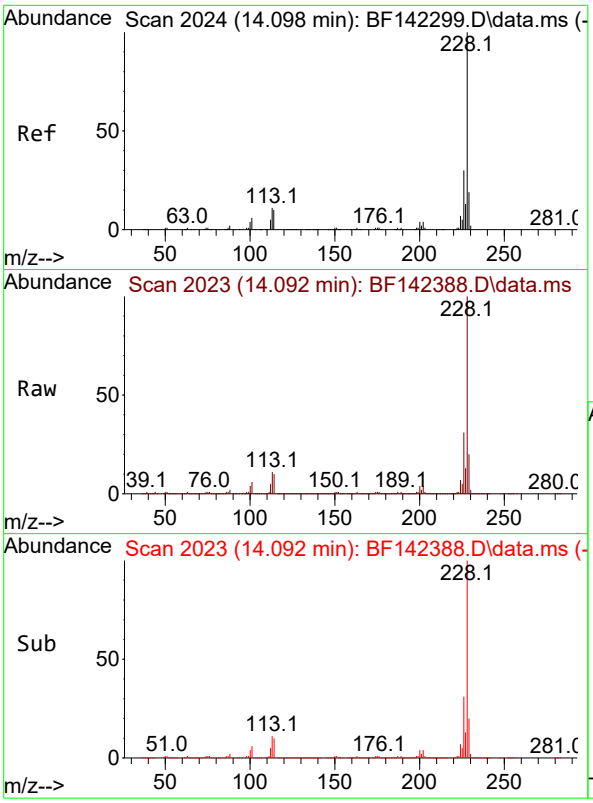


#82
3,3'-Dichlorobenzidine
Concen: 41.159 ng
RT: 14.016 min Scan# 2010
Delta R.T. -0.005 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:252 Resp: 192303

Ion	Ratio	Lower	Upper
252	100		
254	63.7	52.0	78.0
126	11.4	9.7	14.5



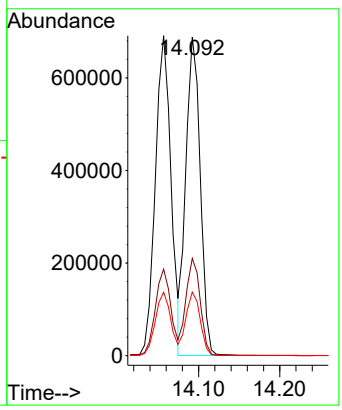


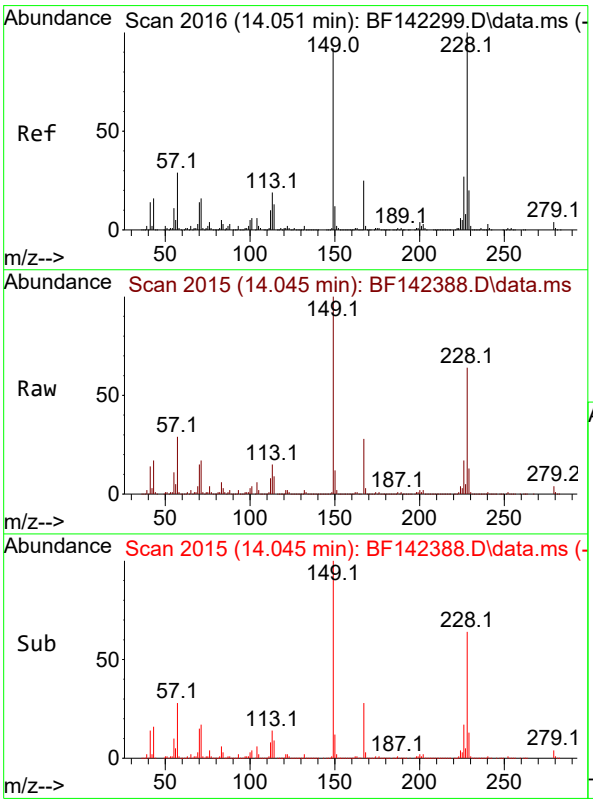
#83
Chrysene
Concen: 45.552 ng
RT: 14.092 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:228 Resp: 851984

Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.9	35.9
229	20.0	15.4	23.2

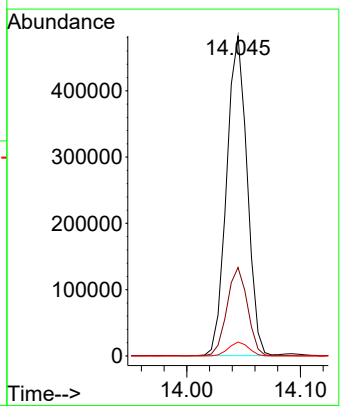


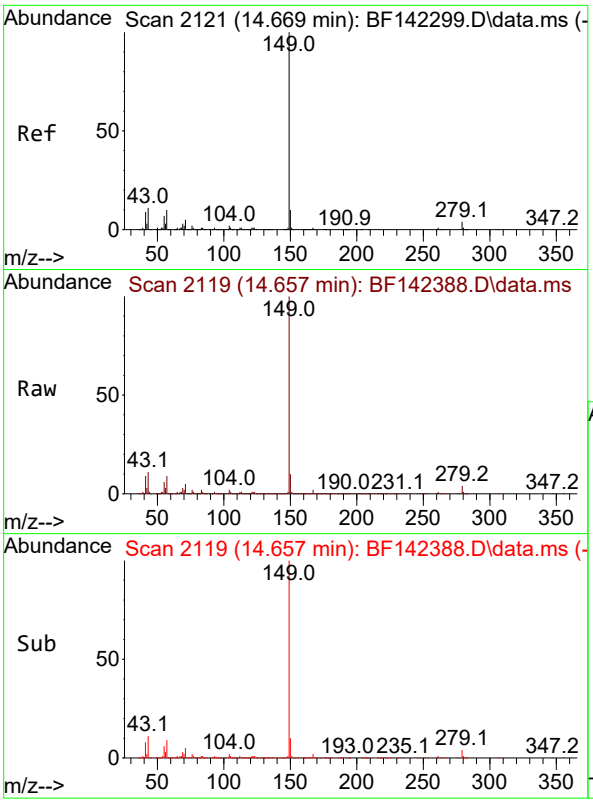


#84
Bis(2-ethylhexyl)phthalate
Concen: 56.725 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:149 Resp: 604179

Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.0	33.0
279	4.3	3.0	4.6



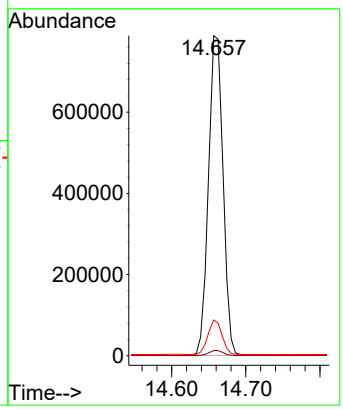


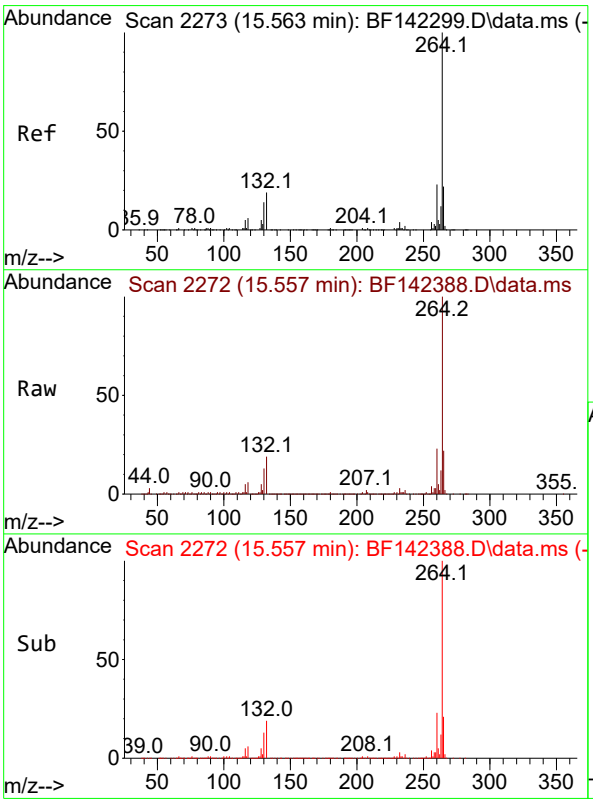
#85
Di-n-octyl phthalate
Concen: 55.501 ng
RT: 14.657 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:149 Resp: 1077874

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.1	1.7
43	10.4	9.2	13.8

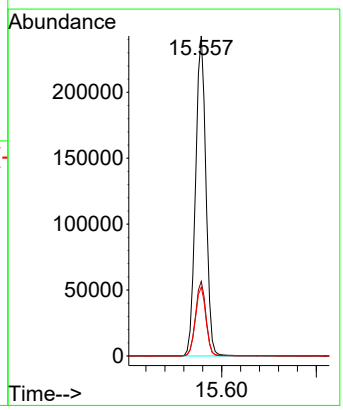


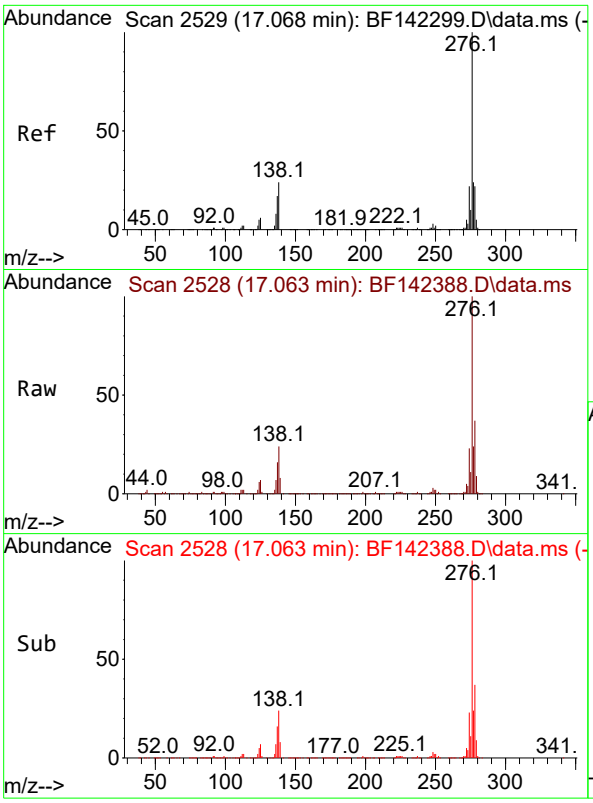


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2272
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:264 Resp: 367976

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	27.8
265	21.5	17.5	26.3



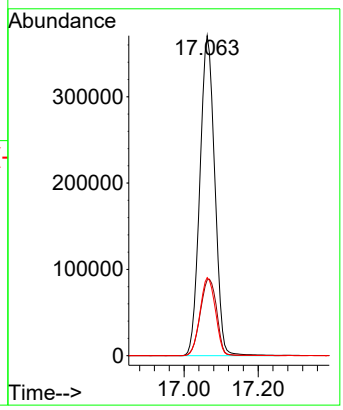


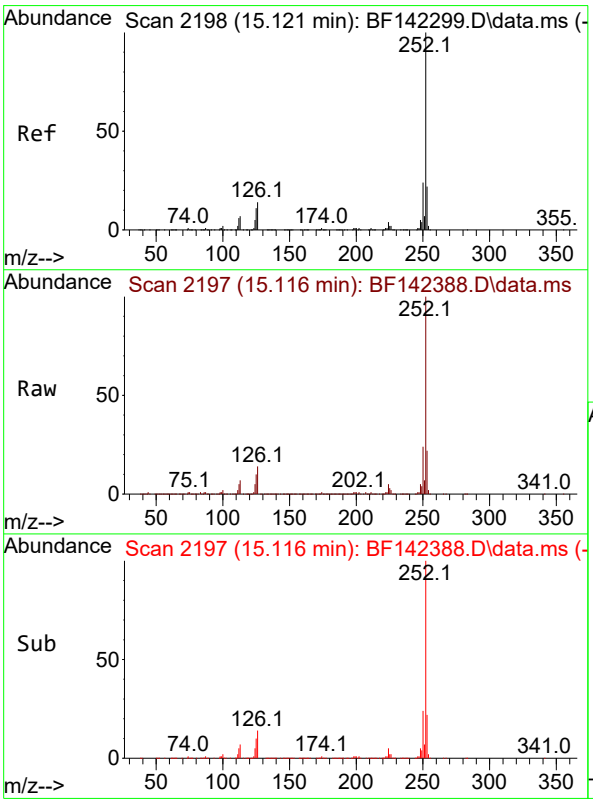
#87
Indeno(1,2,3-cd)pyrene
Concen: 40.337 ng
RT: 17.063 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:276 Resp: 1032531

Ion	Ratio	Lower	Upper
276	100		
138	26.2	22.0	33.0
277	25.5	20.1	30.1

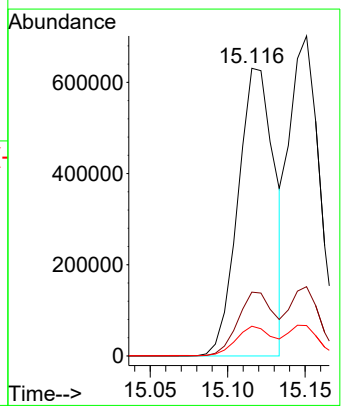


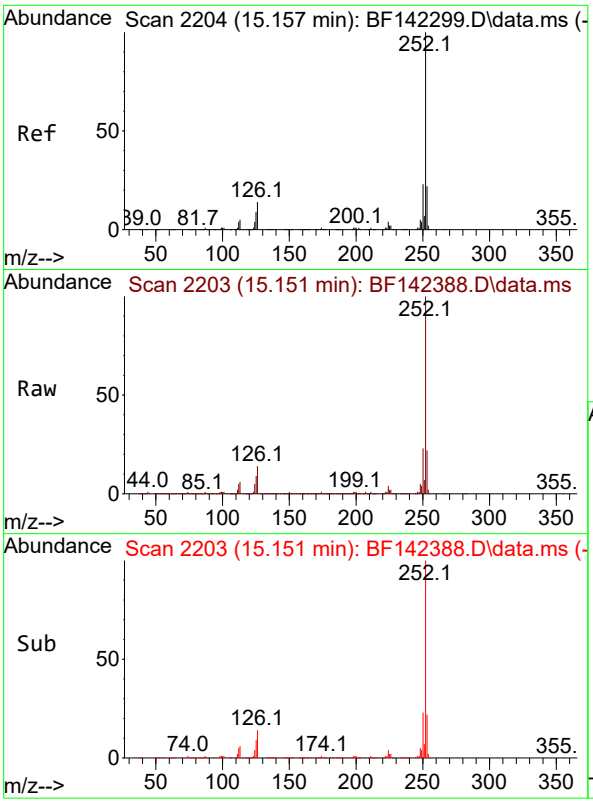


#88
Benzo(b)fluoranthene
Concen: 46.356 ng
RT: 15.116 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:252 Resp: 1033127

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	10.3	8.7	13.1



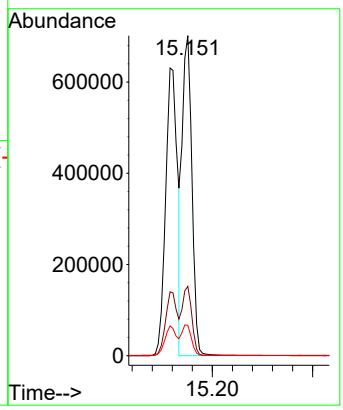


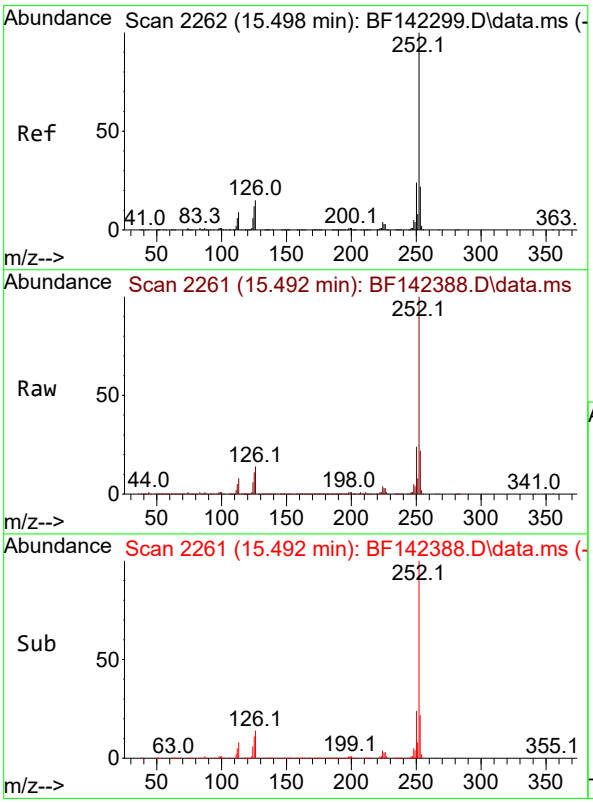
#89
Benzo(k)fluoranthene
Concen: 46.383 ng
RT: 15.151 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:252 Resp: 946000

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4
125	9.5	8.1	12.1

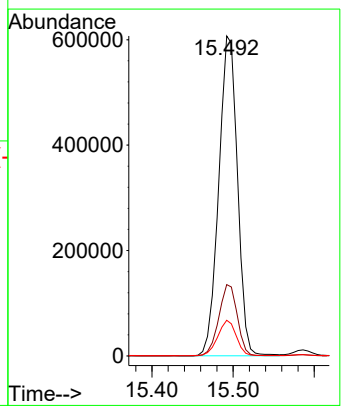


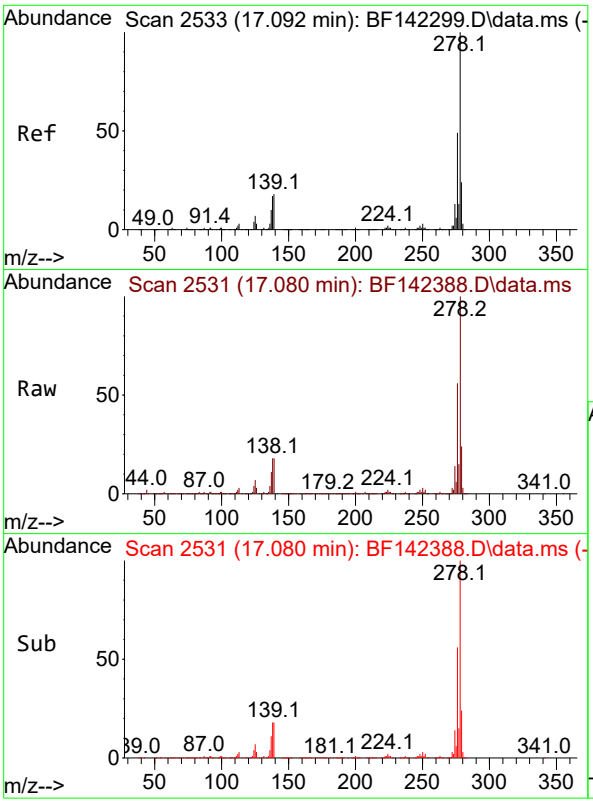


#90
Benzo(a)pyrene
Concen: 48.786 ng
RT: 15.492 min Scan# 2261
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:252 Resp: 974319

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.6
125	11.1	9.4	14.0



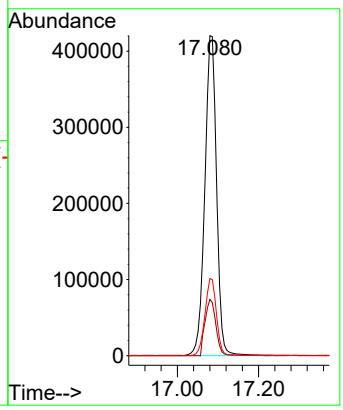


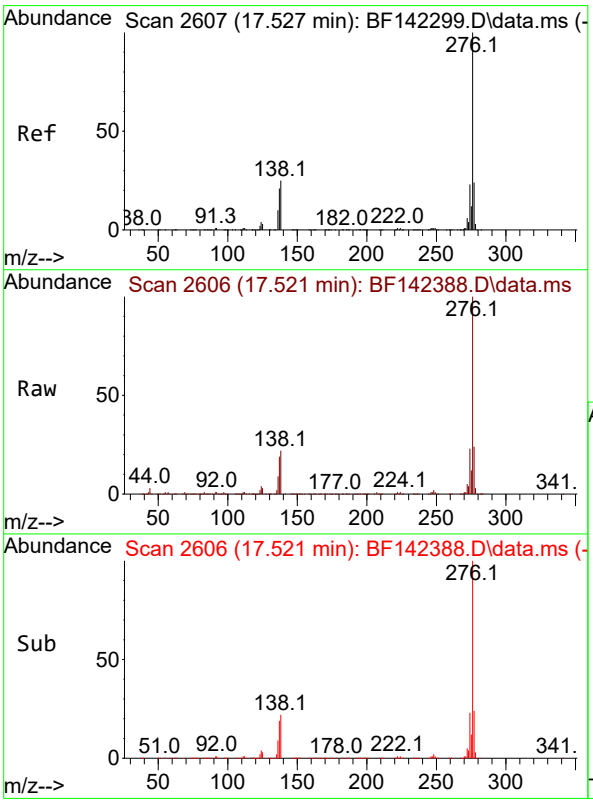
#91
Dibenzo(a,h)anthracene
Concen: 39.856 ng
RT: 17.080 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:278 Resp: 842856

Ion	Ratio	Lower	Upper
278	100		
139	17.6	14.5	21.7
279	24.1	18.9	28.3

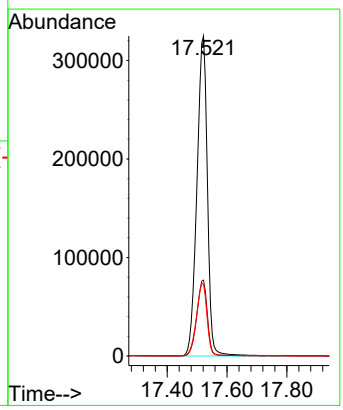




#92
Benzo(g,h,i)perylene
Concen: 37.682 ng
RT: 17.521 min Scan# 2606
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:276 Resp: 790907

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.0	28.6
138	22.4	19.8	29.6



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:	05/08/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/09/25
Client Sample ID:	MW-3-20250508MSD	SDG No.:	Q1985
Lab Sample ID:	Q1993-03MSD	Matrix:	Water
Analytical Method:	8270E	% 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
BF142389.D	1	05/12/25 08:40	05/15/25 12:47	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
100-52-7	Benzaldehyde	35.6		3.90	8.00	10.0	ug/L
108-95-2	Phenol	18.2		0.91	4.00	5.00	ug/L
111-44-4	bis(2-Chloroethyl)ether	35.8		0.81	4.00	5.00	ug/L
95-57-8	2-Chlorophenol	39.7		0.58	4.00	5.00	ug/L
95-48-7	2-Methylphenol	34.1		1.10	4.00	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	40.9		1.30	4.00	5.00	ug/L
98-86-2	Acetophenone	45.0		0.74	4.00	5.00	ug/L
65794-96-9	3+4-Methylphenols	30.0		1.10	8.00	10.0	ug/L
621-64-7	n-Nitroso-di-n-propylamine	45.8		1.40	2.50	2.50	ug/L
67-72-1	Hexachloroethane	36.3		0.65	4.00	5.00	ug/L
98-95-3	Nitrobenzene	48.4		0.76	4.00	5.00	ug/L
78-59-1	Isophorone	46.8		0.75	4.00	5.00	ug/L
88-75-5	2-Nitrophenol	55.7		1.80	4.00	5.00	ug/L
105-67-9	2,4-Dimethylphenol	43.3		1.90	4.00	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	45.9		0.68	4.00	5.00	ug/L
120-83-2	2,4-Dichlorophenol	47.9		0.52	4.00	5.00	ug/L
91-20-3	Naphthalene	43.3		0.50	4.00	5.00	ug/L
106-47-8	4-Chloroaniline	19.4		0.84	4.00	5.00	ug/L
87-68-3	Hexachlorobutadiene	41.6		0.54	4.00	5.00	ug/L
105-60-2	Caprolactam	9.60	J	1.10	8.00	10.0	ug/L
59-50-7	4-Chloro-3-methylphenol	43.6		0.59	4.00	5.00	ug/L
91-57-6	2-Methylnaphthalene	45.0		0.56	4.00	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	85.8	E	3.60	8.00	10.0	ug/L
88-06-2	2,4,6-Trichlorophenol	53.2		0.51	4.00	5.00	ug/L
95-95-4	2,4,5-Trichlorophenol	48.5		0.62	4.00	5.00	ug/L
92-52-4	1,1-Biphenyl	45.0		0.53	4.00	5.00	ug/L
91-58-7	2-Chloronaphthalene	45.0		0.61	4.00	5.00	ug/L
88-74-4	2-Nitroaniline	54.1		1.30	4.00	5.00	ug/L
131-11-3	Dimethylphthalate	48.3		0.61	4.00	5.00	ug/L

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:	05/08/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/09/25
Client Sample ID:	MW-3-20250508MSD	SDG No.:	Q1985
Lab Sample ID:	Q1993-03MSD	Matrix:	Water
Analytical Method:	8270E	% 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
BF142389.D	1	05/12/25 08:40	05/15/25 12:47	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
208-96-8	Acenaphthylene	45.0		0.75	4.00	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	56.8		0.92	4.00	5.00	ug/L
99-09-2	3-Nitroaniline	25.9		1.10	4.00	5.00	ug/L
83-32-9	Acenaphthene	50.9		0.55	4.00	5.00	ug/L
51-28-5	2,4-Dinitrophenol	110	E	6.00	8.00	10.0	ug/L
100-02-7	4-Nitrophenol	37.9		2.40	8.00	10.0	ug/L
132-64-9	Dibenzofuran	44.7		0.61	4.00	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	58.4		1.20	4.00	5.00	ug/L
84-66-2	Diethylphthalate	72.5		0.69	4.00	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	46.2		0.68	4.00	5.00	ug/L
86-73-7	Fluorene	44.2		0.63	4.00	5.00	ug/L
100-01-6	4-Nitroaniline	51.9		1.50	4.00	5.00	ug/L
534-52-1	4,6-Dinitro-2-methylphenol	62.4		2.90	8.00	10.0	ug/L
86-30-6	n-Nitrosodiphenylamine	50.3		0.58	4.00	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	52.6		0.40	4.00	5.00	ug/L
118-74-1	Hexachlorobenzene	52.2		0.52	4.00	5.00	ug/L
1912-24-9	Atrazine	49.0		1.00	4.00	5.00	ug/L
87-86-5	Pentachlorophenol	110	E	1.60	8.00	10.0	ug/L
85-01-8	Phenanthrene	46.9		0.50	4.00	5.00	ug/L
120-12-7	Anthracene	46.4		0.61	4.00	5.00	ug/L
86-74-8	Carbazole	42.9		0.72	4.00	5.00	ug/L
84-74-2	Di-n-butylphthalate	54.2		1.20	4.00	5.00	ug/L
206-44-0	Fluoranthene	42.6		0.82	4.00	5.00	ug/L
129-00-0	Pyrene	42.7		0.50	4.00	5.00	ug/L
85-68-7	Butylbenzylphthalate	58.8		1.90	4.00	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	42.8		0.93	8.00	10.0	ug/L
56-55-3	Benzo(a)anthracene	48.7		0.45	4.00	5.00	ug/L
218-01-9	Chrysene	48.5		0.44	4.00	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	60.9		1.60	4.00	5.00	ug/L
117-84-0	Di-n-octyl phthalate	57.3		2.30	8.00	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	47.6		0.49	4.00	5.00	ug/L

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:	05/08/25
Project:	NWIRP Bethpage 112G08005-WE13	Date Received:	05/09/25
Client Sample ID:	MW-3-20250508MSD	SDG No.:	Q1985
Lab Sample ID:	Q1993-03MSD	Matrix:	Water
Analytical Method:	8270E	% 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
BF142389.D	1	05/12/25 08:40	05/15/25 12:47	PB167951

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
207-08-9	Benzo(k)fluoranthene	48.5		0.48	4.00	5.00	ug/L
50-32-8	Benzo(a)pyrene	50.3		0.55	4.00	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	40.8		0.59	4.00	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	40.4		0.67	4.00	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	37.8		0.69	4.00	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	44.9		0.52	4.00	5.00	ug/L
123-91-1	1,4-Dioxane	18.2		1.00	4.00	5.00	ug/L
58-90-2	2,3,4,6-Tetrachlorophenol	50.9		0.72	4.00	5.00	ug/L
SURROGATES							
367-12-4	2-Fluorophenol	67.2		19 - 119		45%	SPK: 150
13127-88-3	Phenol-d6	43.9		10 - 130		29%	SPK: 150
4165-60-0	Nitrobenzene-d5	90.4		44 - 120		90%	SPK: 100
321-60-8	2-Fluorobiphenyl	78.7		44 - 119		79%	SPK: 100
118-79-6	2,4,6-Tribromophenol	144		43 - 140		96%	SPK: 150
1718-51-0	Terphenyl-d14	73.5		50 - 134		74%	SPK: 100
INTERNAL STANDARDS							
3855-82-1	1,4-Dichlorobenzene-d4	173000	6.904				
1146-65-2	Naphthalene-d8	662000	8.186				
15067-26-2	Acenaphthene-d10	357000	9.939				
1517-22-2	Phenanthrene-d10	547000	11.427				
1719-03-5	Chrysene-d12	314000	14.068				
1520-96-3	Perylene-d12	374000	15.557				

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\BF051525\
Data File : BF142389.D
Acq On : 15 May 2025 12:47
Operator : RC/JU
Sample : Q1993-03MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Quant Time: May 15 13:30:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.904	152	172657	20.000	ng		0.00
21) Naphthalene-d8	8.186	136	662026	20.000	ng		0.00
39) Acenaphthene-d10	9.939	164	357440	20.000	ng		0.00
64) Phenanthrene-d10	11.427	188	546787	20.000	ng		0.00
76) Chrysene-d12	14.068	240	314221	20.000	ng		0.00
86) Perylene-d12	15.557	264	374057	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.516	112	679597	67.192	ng		0.00
7) Phenol-d6	6.522	99	545778	43.874	ng		0.00
23) Nitrobenzene-d5	7.469	82	981708	90.437	ng		0.00
42) 2,4,6-Tribromophenol	10.733	330	496952	144.002	ng		0.00
45) 2-Fluorobiphenyl	9.263	172	1972111	78.670	ng		0.00
79) Terphenyl-d14	13.010	244	1560715	73.516	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.734	88	83098	18.245	ng		98
3) Pyridine	3.493	79	193764	18.120	ng		97
4) n-Nitrosodimethylamine	3.434	42	124182	19.981	ng		96
6) Aniline	6.563	93	429774	35.223	ng		99
8) 2-Chlorophenol	6.687	128	429490	39.738	ng		97
9) Benzaldehyde	6.451	77	259230	35.605	ng		100
10) Phenol	6.534	94	239943	18.197	ng		96
11) bis(2-Chloroethyl)ether	6.634	93	465560	35.803	ng		97
12) 1,3-Dichlorobenzene	6.845	146	437405	35.374	ng		98
13) 1,4-Dichlorobenzene	6.922	146	447175	36.019	ng		99
14) 1,2-Dichlorobenzene	7.075	146	440362	36.953	ng		100
15) Benzyl Alcohol	7.039	79	288653	35.835	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.175	45	794103	40.894	ng		99
17) 2-Methylphenol	7.151	107	298612	34.126	ng		99
18) Hexachloroethane	7.416	117	149837	36.273	ng		100
19) n-Nitroso-di-n-propyla...	7.316	70	352727	45.840	ng		97
20) 3+4-Methylphenols	7.304	107	327459	29.985	ng	#	67
22) Acetophenone	7.310	105	662853	45.031	ng		99
24) Nitrobenzene	7.487	77	494951	48.371	ng		96
25) Isophorone	7.722	82	961365	46.768	ng		100
26) 2-Nitrophenol	7.798	139	278478	55.742	ng		99
27) 2,4-Dimethylphenol	7.834	122	447099	43.261	ng		99
28) bis(2-Chloroethoxy)met...	7.934	93	606692	45.900	ng		99
29) 2,4-Dichlorophenol	8.039	162	420656	47.875	ng		99
30) 1,2,4-Trichlorobenzene	8.128	180	418015	42.273	ng		99
31) Naphthalene	8.210	128	1389634	43.310	ng		100
32) Benzoic acid	7.910	122	100050	23.298	ng		98
33) 4-Chloroaniline	8.251	127	254426m	19.433	ng		
34) Hexachlorobutadiene	8.322	225	243324	41.556	ng		99
35) Caprolactam	8.622	113	24538m	9.582	ng		
36) 4-Chloro-3-methylphenol	8.722	107	398461	43.626	ng		99
37) 2-Methylnaphthalene	8.898	142	897809	45.031	ng		100
38) 1-Methylnaphthalene	8.998	142	928360	44.675	ng		99
40) 1,2,4,5-Tetrachloroben...	9.063	216	448092	44.886	ng		99
41) Hexachlorocyclopentadiene	9.051	237	529316	85.793	ng		99
43) 2,4,6-Trichlorophenol	9.169	196	334881	53.182	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142389.D
Acq On : 15 May 2025 12:47
Operator : RC/JU
Sample : Q1993-03MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Quant Time: May 15 13:30:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration

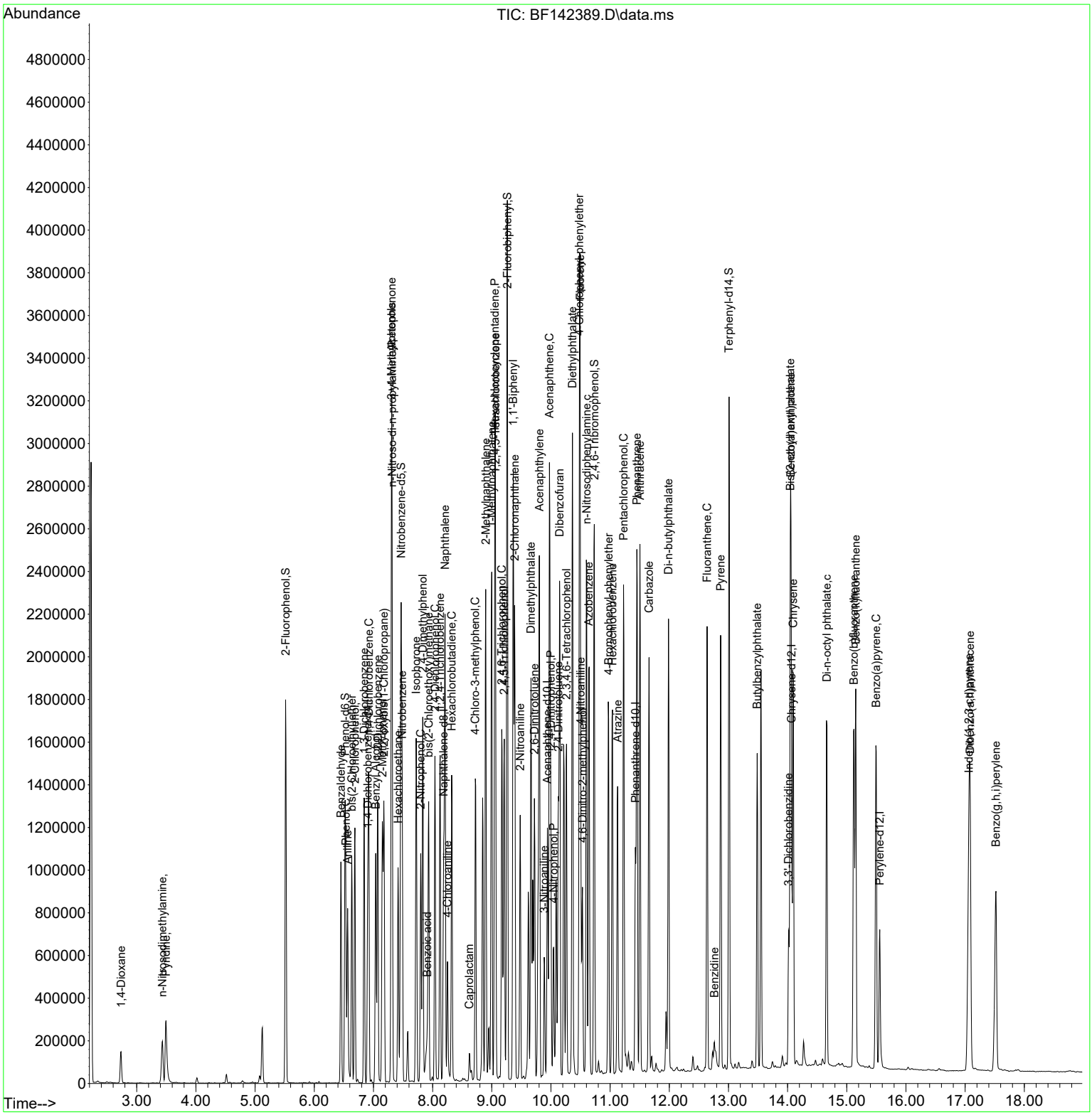
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	324822	48.481	ng		98
46) 1,1'-Biphenyl	9.363	154	1234418	45.041	ng		99
47) 2-Chloronaphthalene	9.386	162	917216	45.002	ng		99
48) 2-Nitroaniline	9.480	65	282636	54.101	ng		93
49) Acenaphthylene	9.804	152	1533127	44.966	ng		100
50) Dimethylphthalate	9.663	163	1109141	48.324	ng		100
51) 2,6-Dinitrotoluene	9.722	165	244138	56.826	ng		91
52) Acenaphthene	9.975	154	1043039	50.877	ng		100
53) 3-Nitroaniline	9.886	138	130415	25.883	ng		98
54) 2,4-Dinitrophenol	9.998	184	265247	114.370	ng	#	1
55) Dibenzofuran	10.145	168	1352552	44.704	ng		99
56) 4-Nitrophenol	10.045	139	143679	37.888	ng		95
57) 2,4-Dinitrotoluene	10.128	165	321887	58.409	ng		94
58) Fluorene	10.492	166	1019788	44.166	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	281314	50.862	ng		97
60) Diethylphthalate	10.363	149	1662268	72.520	ng		99
61) 4-Chlorophenyl-phenyle...	10.480	204	514546	46.190	ng		99
62) 4-Nitroaniline	10.504	138	207168	51.876	ng		100
63) Azobenzene	10.639	77	995905	45.468	ng		100
65) 4,6-Dinitro-2-methylph...	10.533	198	165536	62.409	ng		96
66) n-Nitrosodiphenylamine	10.604	169	916055	50.347	ng		100
67) 4-Bromophenyl-phenylether	10.975	248	325670	52.554	ng		95
68) Hexachlorobenzene	11.039	284	355537	52.158	ng		95
69) Atrazine	11.127	200	235144	49.027	ng		99
70) Pentachlorophenol	11.227	266	397210	110.768	ng		98
71) Phenanthrene	11.451	178	1344429	46.908	ng		100
72) Anthracene	11.504	178	1366126	46.389	ng		100
73) Carbazole	11.657	167	1133485	42.901	ng		99
74) Di-n-butylphthalate	11.986	149	1504794	54.164	ng		100
75) Fluoranthene	12.639	202	1219362	42.560	ng		99
77) Benzidine	12.763	184	82144	14.385	ng		98
78) Pyrene	12.869	202	1194024	42.691	ng		100
80) Butylbenzylphthalate	13.486	149	487221	58.801	ng		98
81) Benzo(a)anthracene	14.057	228	990604	48.680	ng		100
82) 3,3'-Dichlorobenzidine	14.015	252	202558	42.804	ng		100
83) Chrysene	14.092	228	918925	48.508	ng		99
84) Bis(2-ethylhexyl)phtha...	14.045	149	661166	60.948	ng		100
85) Di-n-octyl phthalate	14.663	149	1132929	57.300	ng		97
87) Indeno(1,2,3-cd)pyrene	17.062	276	1062226	40.822	ng		98
88) Benzo(b)fluoranthene	15.121	252	1077537	47.563	ng		99
89) Benzo(k)fluoranthene	15.151	252	1006024	48.525	ng		100
90) Benzo(a)pyrene	15.498	252	1021358	50.310	ng		98
91) Dibenzo(a,h)anthracene	17.086	278	868581	40.405	ng		98
92) Benzo(g,h,i)perylene	17.521	276	805852	37.770	ng		97

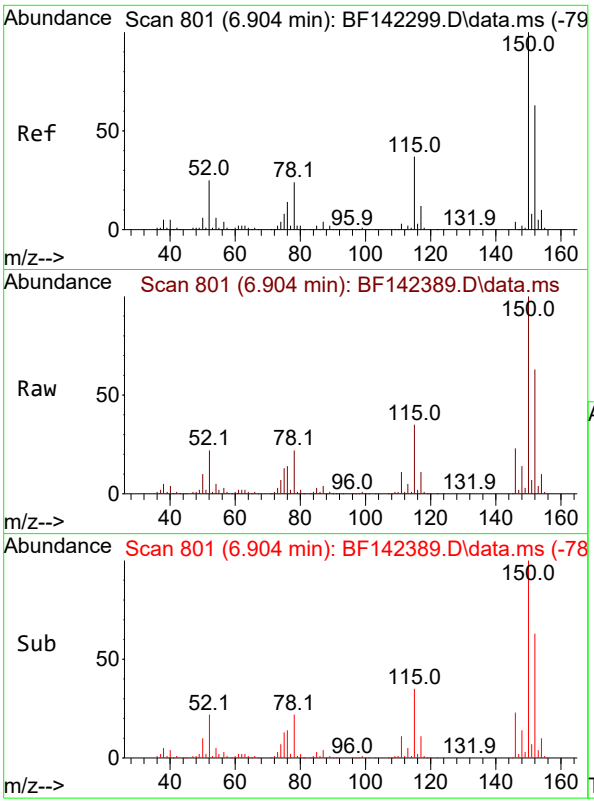
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142389.D
Acq On : 15 May 2025 12:47
Operator : RC/JU
Sample : Q1993-03MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Quant Time: May 15 13:30:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration



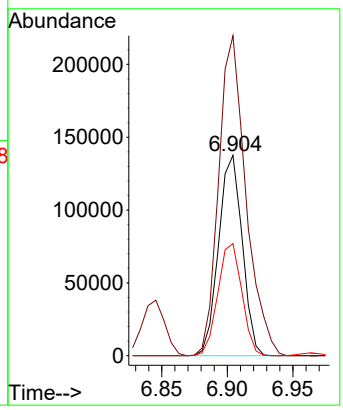


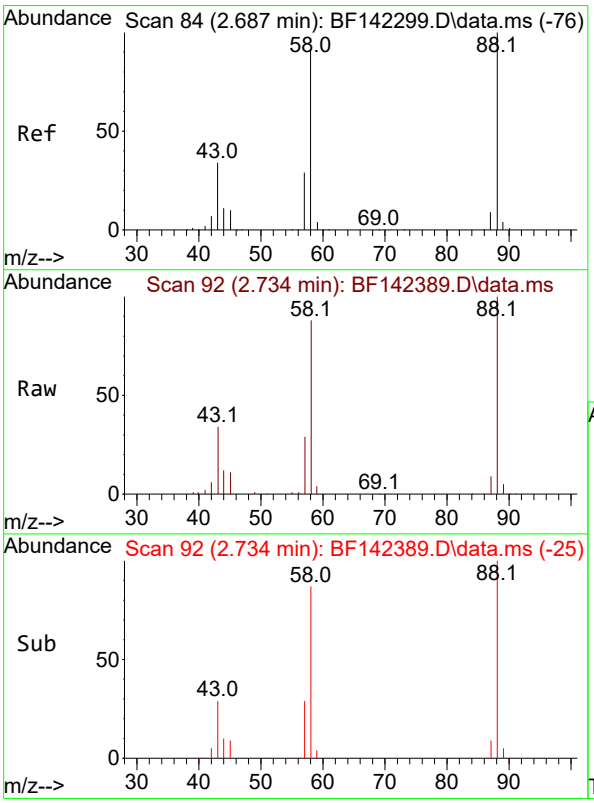
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:152 Resp: 172657

Ion	Ratio	Lower	Upper
152	100		
150	159.7	126.6	190.0
115	56.0	47.3	70.9

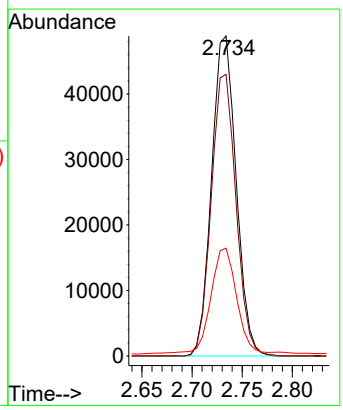


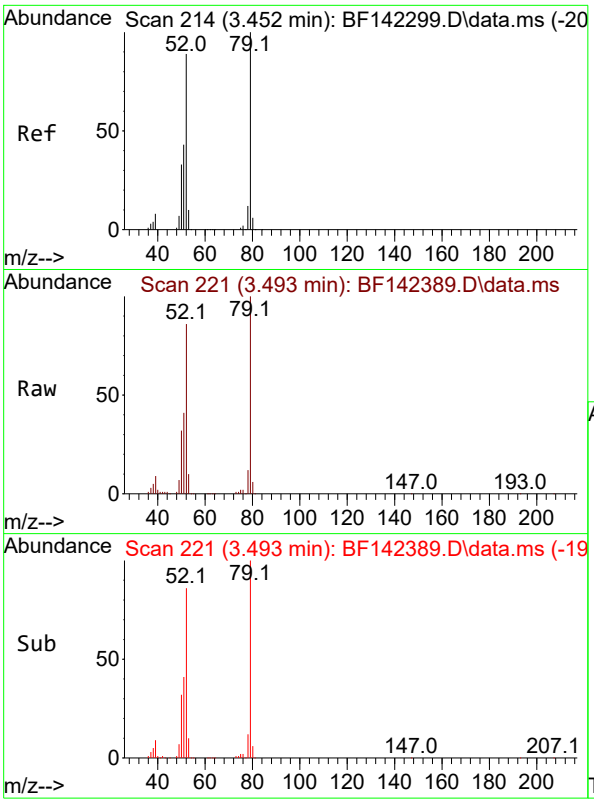


#2
1,4-Dioxane
Concen: 18.245 ng
RT: 2.734 min Scan# 92
Delta R.T. 0.047 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion: 88 Resp: 83098

Ion	Ratio	Lower	Upper
88	100		
58	88.6	73.0	109.4
43	35.5	27.8	41.6



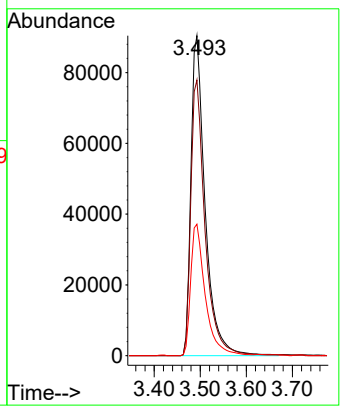


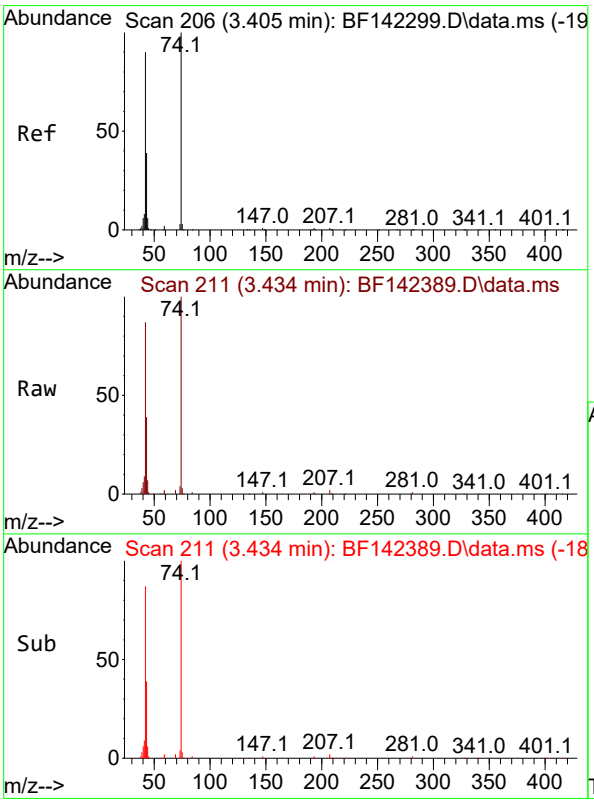
#3
Pyridine
Concen: 18.120 ng
RT: 3.493 min Scan# 2
Delta R.T. 0.041 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion: 79 Resp: 193764

Ion	Ratio	Lower	Upper
79	100		
52	86.1	71.0	106.4
51	41.1	34.9	52.3

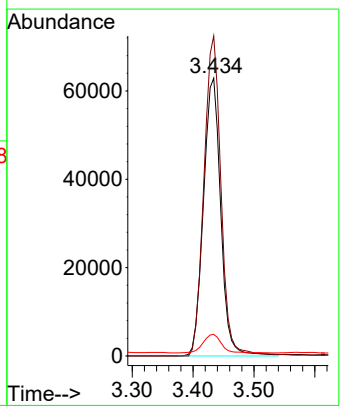


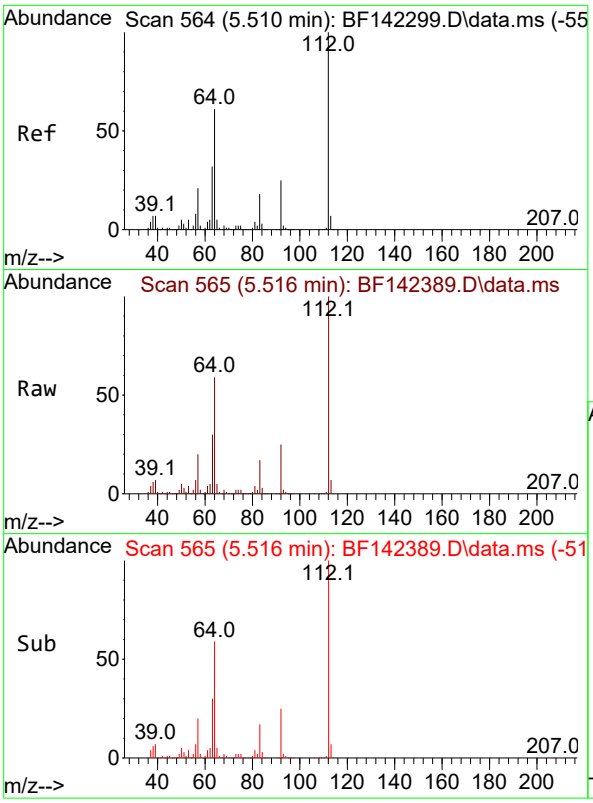


#4
n-Nitrosodimethylamine
Concen: 19.981 ng
RT: 3.434 min Scan# 211
Delta R.T. 0.029 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion: 42 Resp: 124182

Ion	Ratio	Lower	Upper
42	100		
74	115.2	88.5	132.7
44	7.8	5.8	8.8



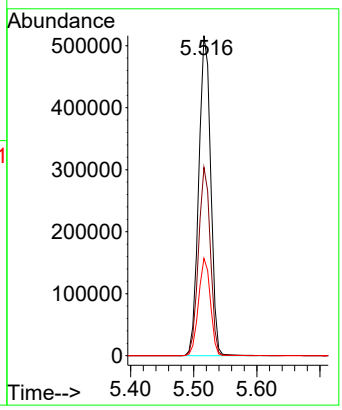


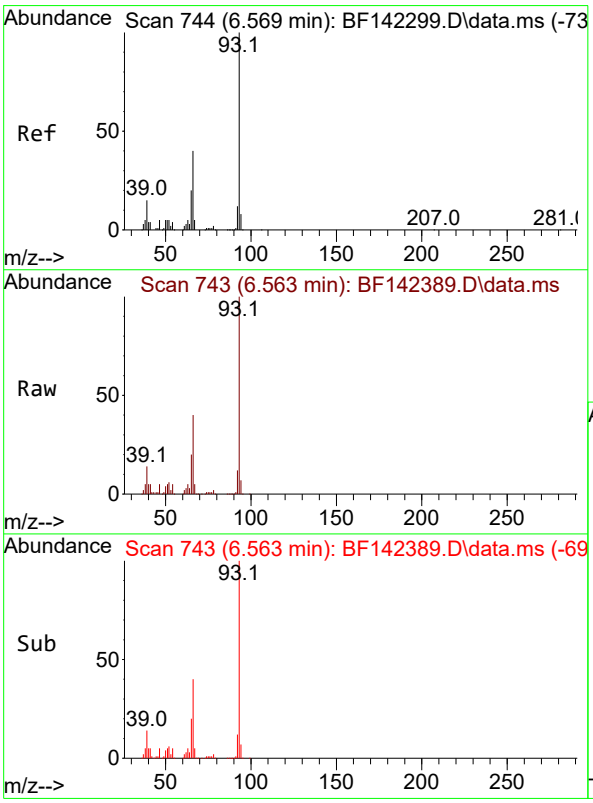
#5
2-Fluorophenol
Concen: 67.192 ng
RT: 5.516 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:112 Resp: 679597

Ion	Ratio	Lower	Upper
112	100		
64	58.9	48.9	73.3
63	30.4	25.6	38.4

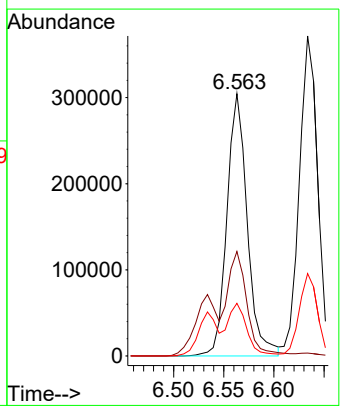


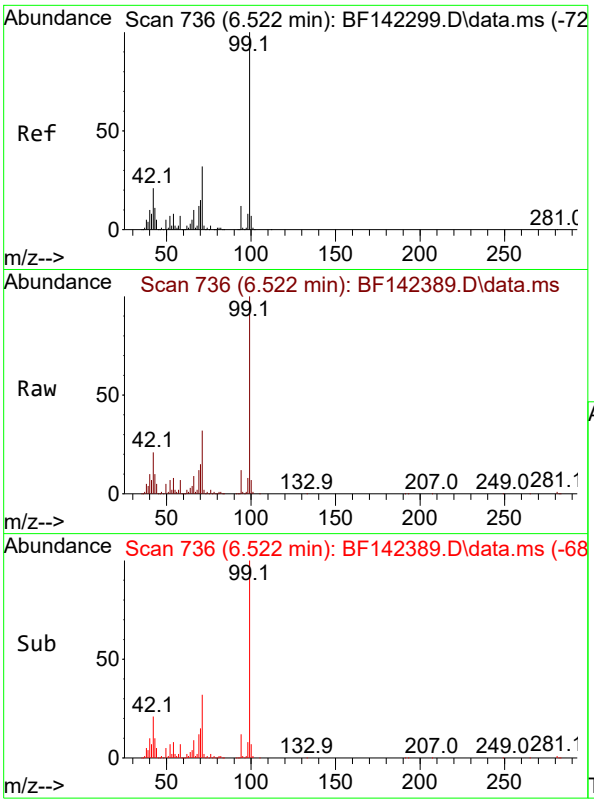


#6
Aniline
Concen: 35.223 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion: 93 Resp: 429774

Ion	Ratio	Lower	Upper
93	100		
66	39.9	32.2	48.4
65	20.1	16.3	24.5



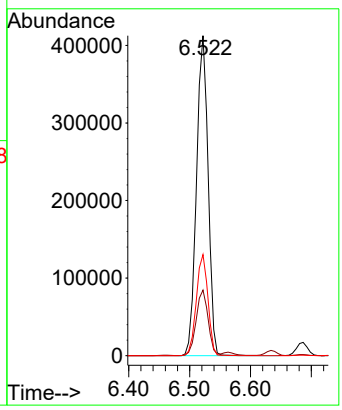


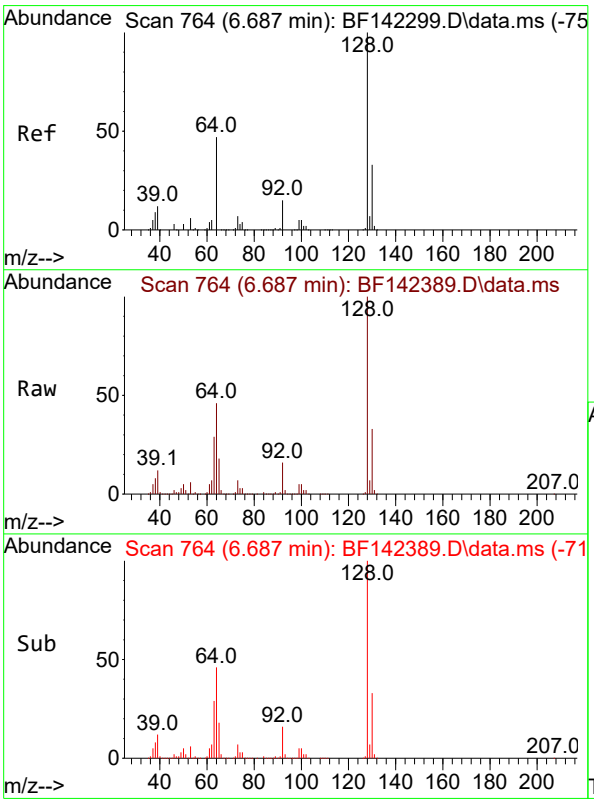
#7
Phenol-d6
Concen: 43.874 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion: 99 Resp: 545778

Ion	Ratio	Lower	Upper
99	100		
42	20.5	17.0	25.4
71	31.6	25.8	38.8

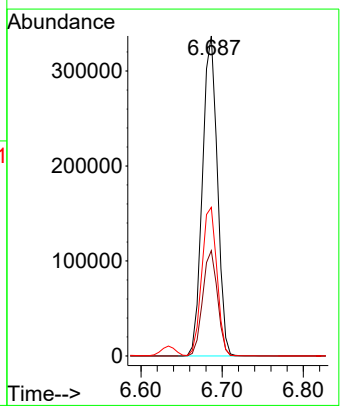


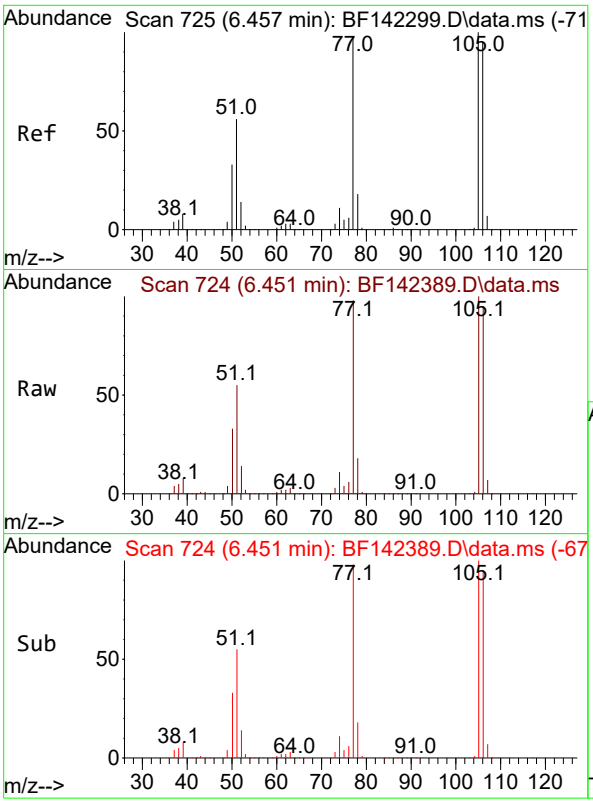


#8
2-Chlorophenol
Concen: 39.738 ng
RT: 6.687 min Scan# 764
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:128 Resp: 429490

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.7	52.7
64	46.5	29.2	69.2



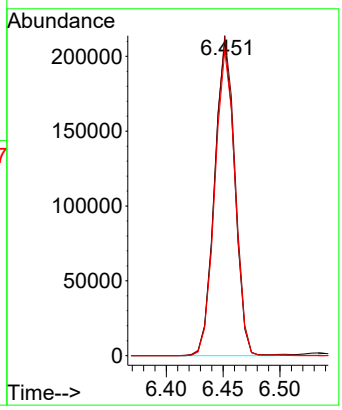


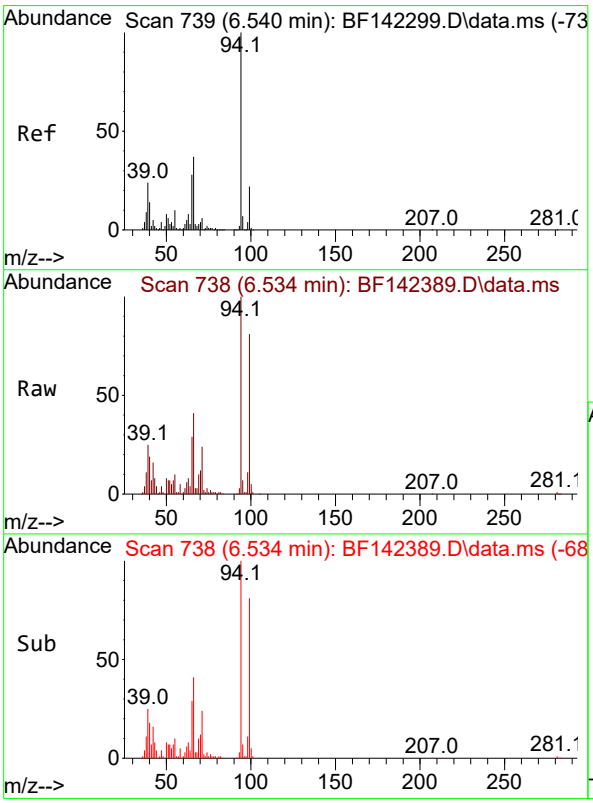
#9
Benzaldehyde
Concen: 35.605 ng
RT: 6.451 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion: 77 Resp: 259230

Ion	Ratio	Lower	Upper
77	100		
105	101.6	82.0	122.0
106	96.8	77.2	117.2

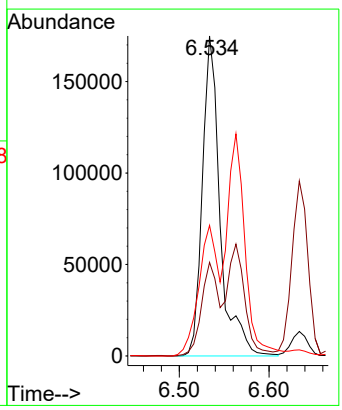


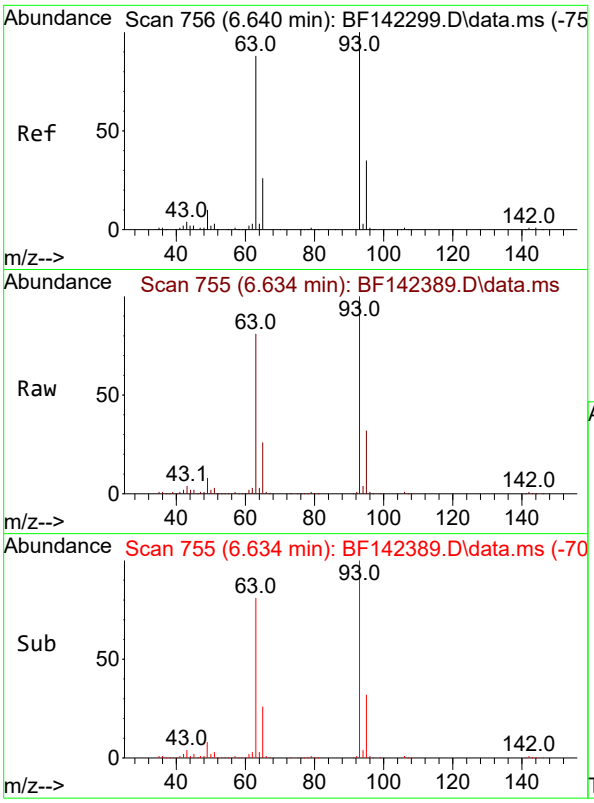


#10
Phenol
Concen: 18.197 ng
RT: 6.534 min Scan# 738
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion: 94 Resp: 239943

Ion	Ratio	Lower	Upper
94	100		
65	29.3	8.5	48.5
66	40.8	17.3	57.3



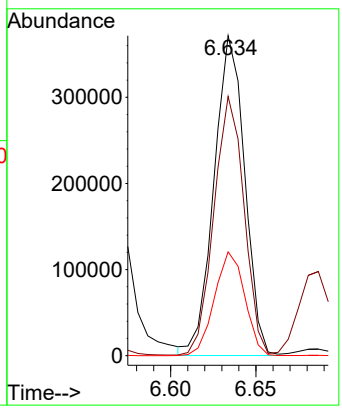


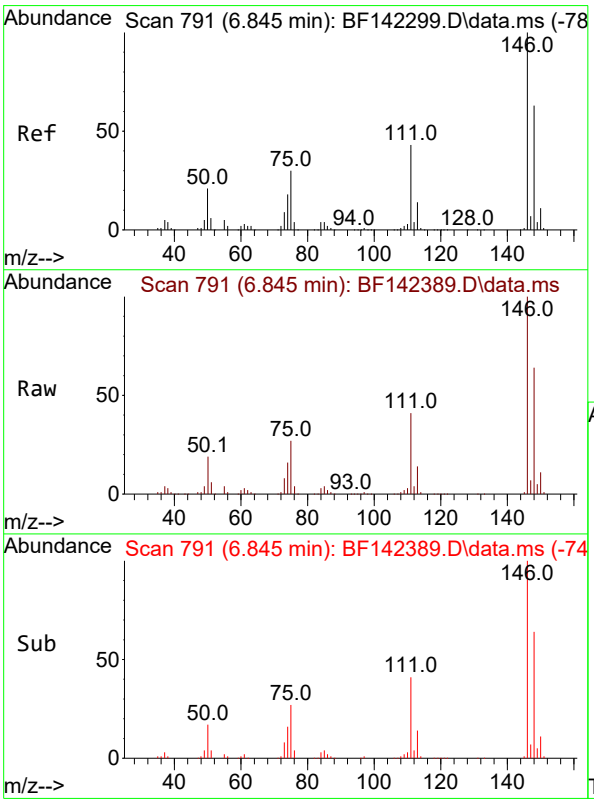
#11
bis(2-Chloroethyl)ether
Concen: 35.803 ng
RT: 6.634 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion: 93 Resp: 465560

Ion	Ratio	Lower	Upper
93	100		
63	81.0	58.4	98.4
95	32.4	10.6	50.6

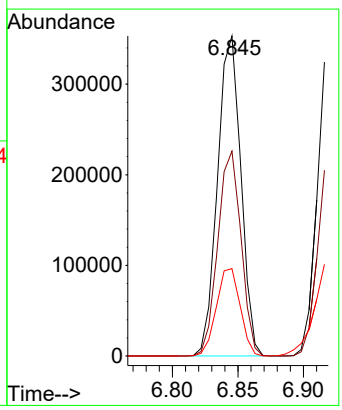


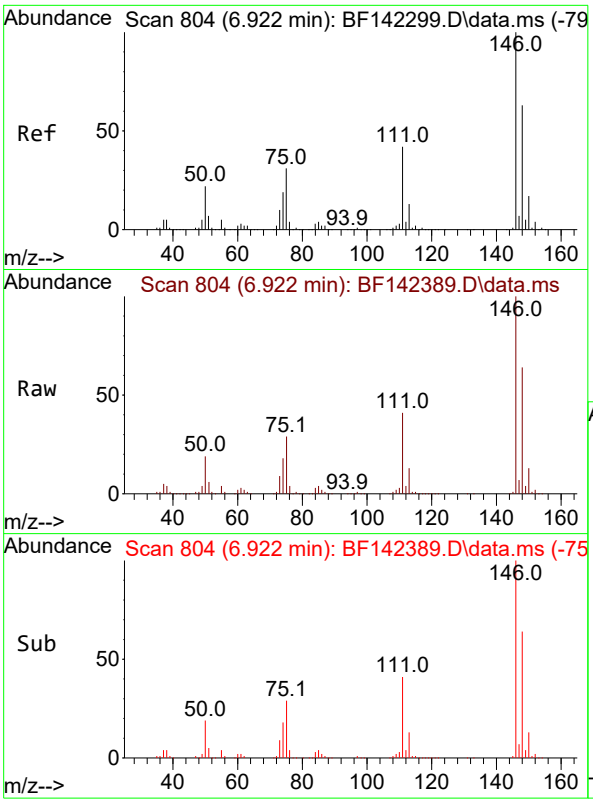


#12
1,3-Dichlorobenzene
Concen: 35.374 ng
RT: 6.845 min Scan# 791
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:146 Resp: 437405

Ion	Ratio	Lower	Upper
146	100		
148	64.0	50.6	76.0
75	27.3	24.2	36.4



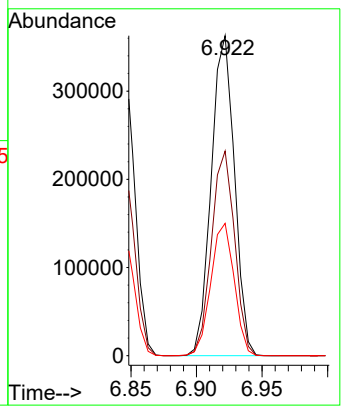


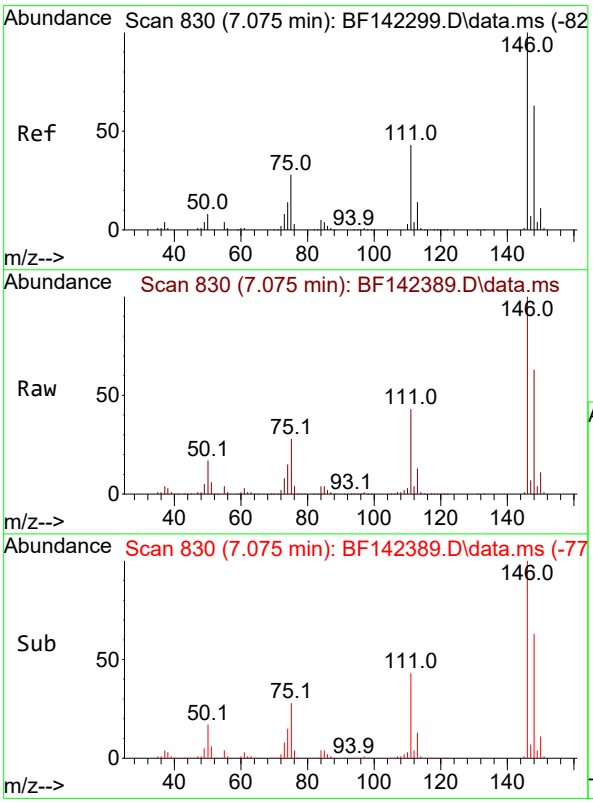
#13
1,4-Dichlorobenzene
Concen: 36.019 ng
RT: 6.922 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:146 Resp: 447175

Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.5	75.7
111	41.3	33.4	50.2

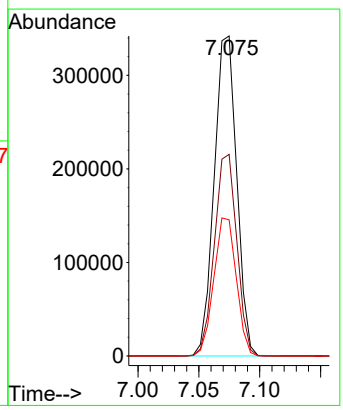


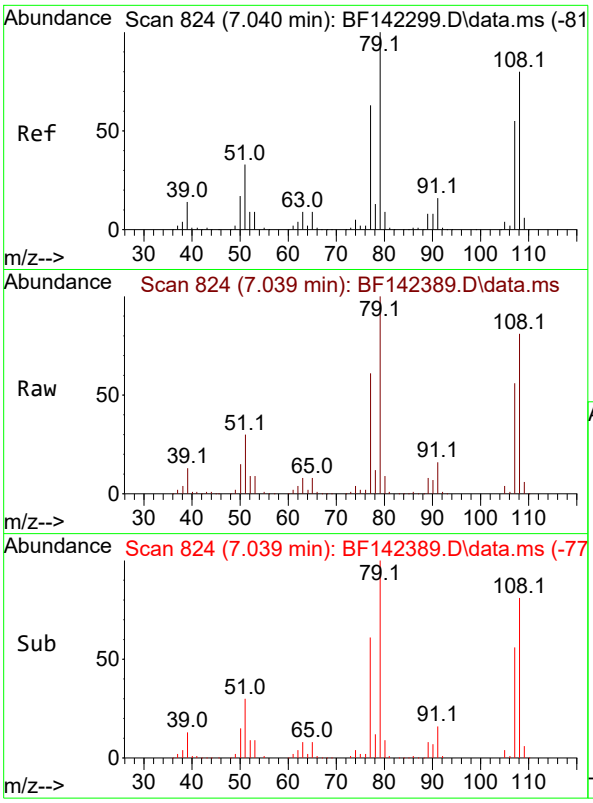


#14
1,2-Dichlorobenzene
Concen: 36.953 ng
RT: 7.075 min Scan# 830
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:146 Resp: 440362

Ion	Ratio	Lower	Upper
146	100		
148	63.0	50.3	75.5
111	42.6	34.5	51.7



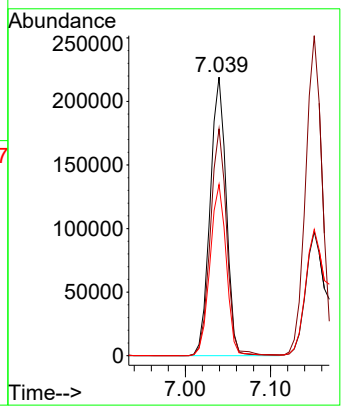


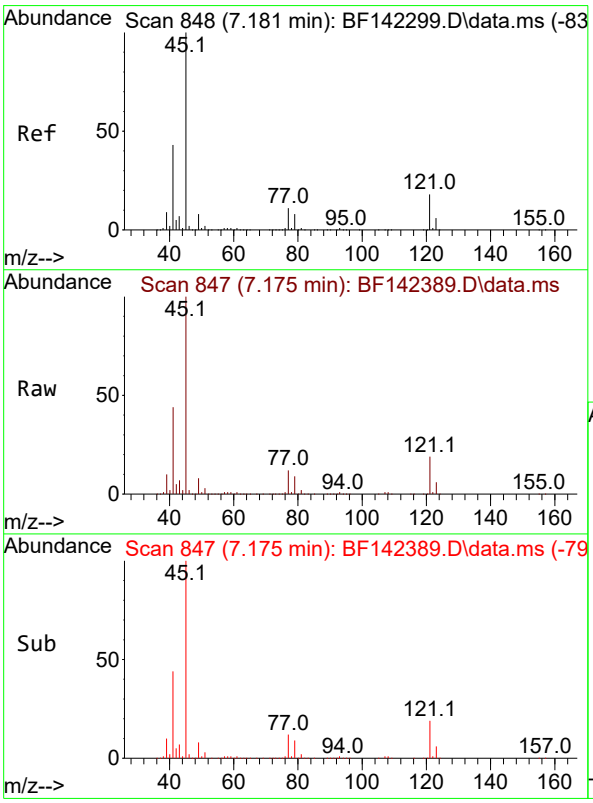
#15
Benzyl Alcohol
Concen: 35.835 ng
RT: 7.039 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion: 79 Resp: 288653

Ion	Ratio	Lower	Upper
79	100		
108	81.4	63.9	95.9
77	61.5	50.7	76.1

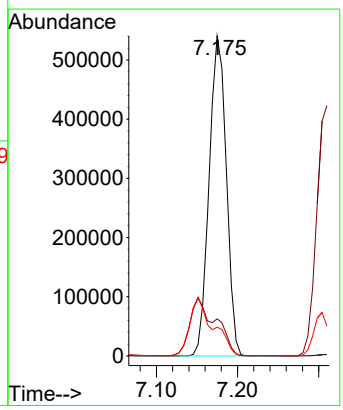


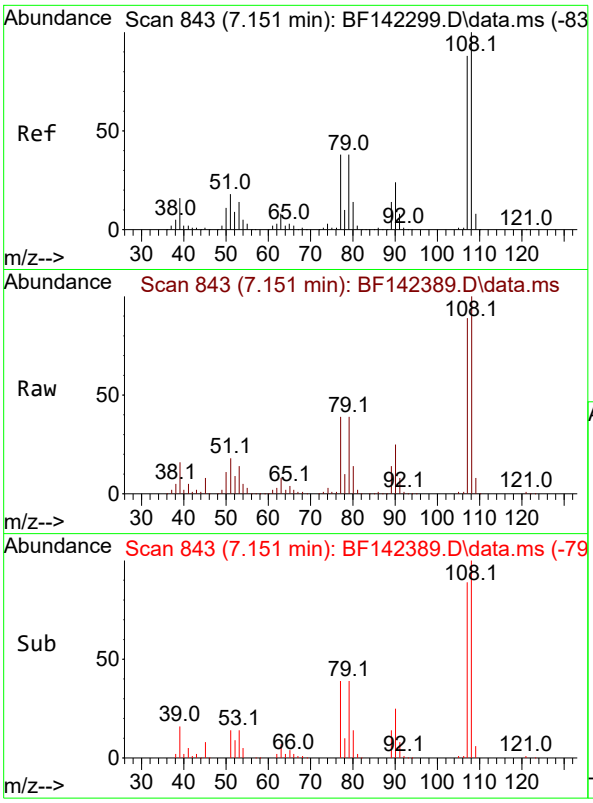


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.894 ng
RT: 7.175 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion: 45 Resp: 794103

Ion	Ratio	Lower	Upper
45	100		
77	11.6	0.0	31.2
79	9.0	0.0	28.5



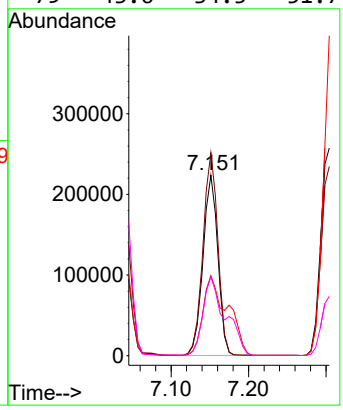


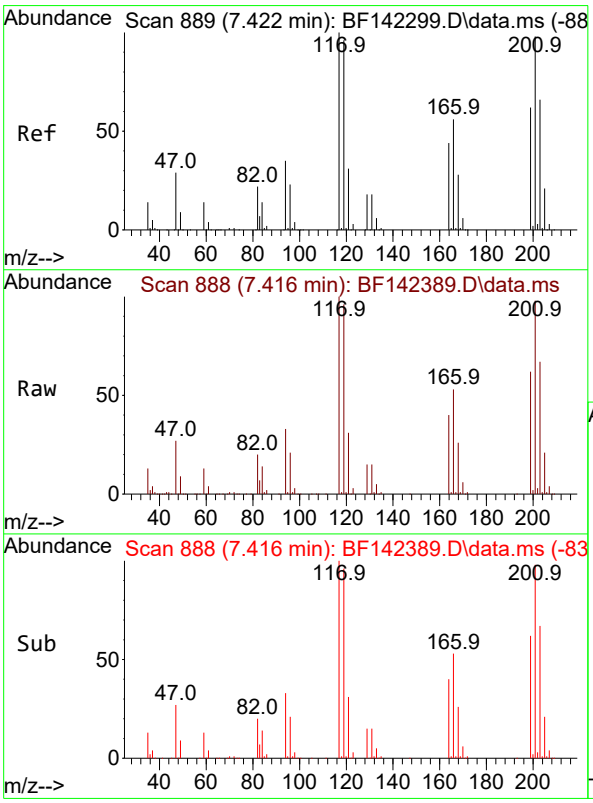
#17
2-Methylphenol
Concen: 34.126 ng
RT: 7.151 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:107 Resp: 298612

Ion	Ratio	Lower	Upper
107	100		
108	112.5	91.1	136.7
77	44.4	34.7	52.1
79	43.6	34.5	51.7

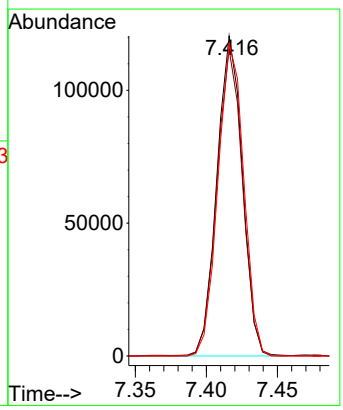


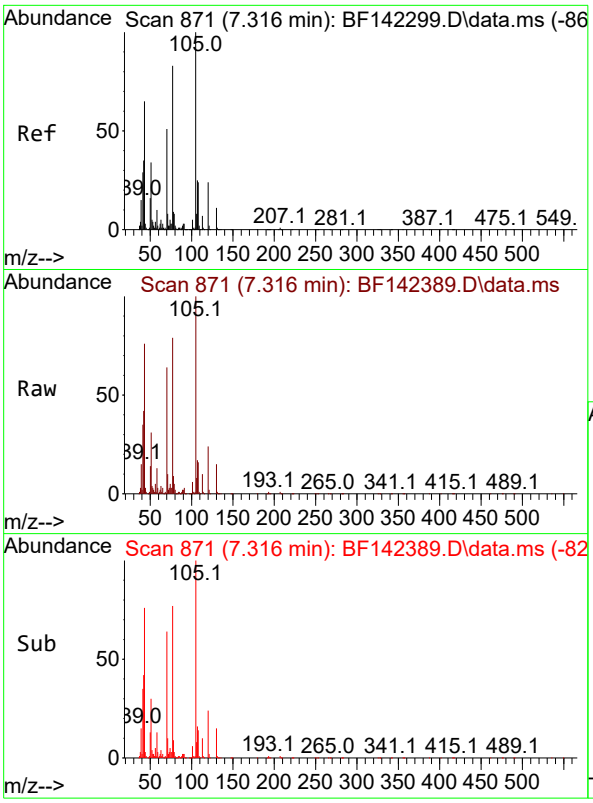


#18
Hexachloroethane
Concen: 36.273 ng
RT: 7.416 min Scan# 888
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:117 Resp: 149837

Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.9	115.3
201	97.8	78.0	117.0



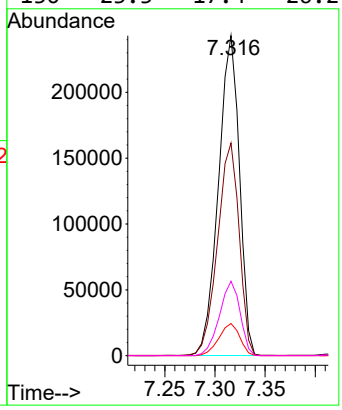


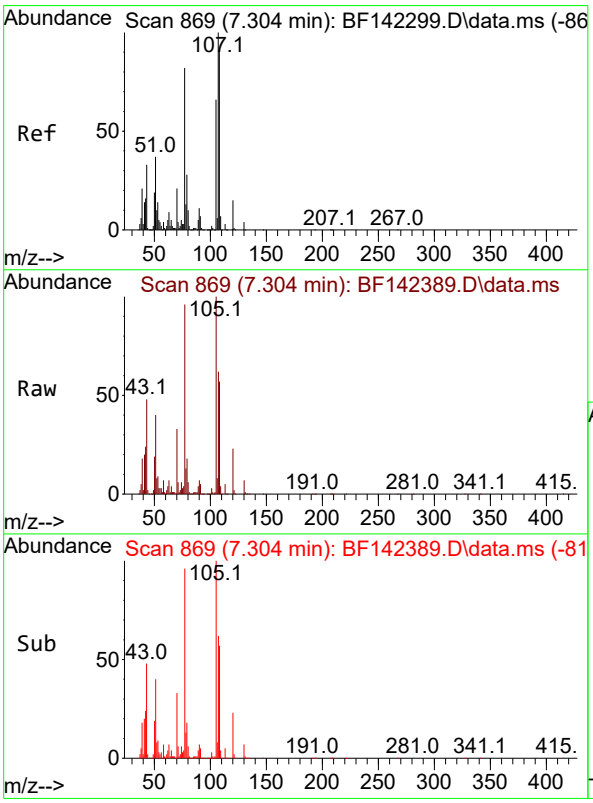
#19
n-Nitroso-di-n-propylamine
Concen: 45.840 ng
RT: 7.316 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion: 70 Resp: 352727

Ion	Ratio	Lower	Upper
70	100		
42	66.5	54.8	82.2
101	10.1	7.7	11.5
130	23.3	17.4	26.2

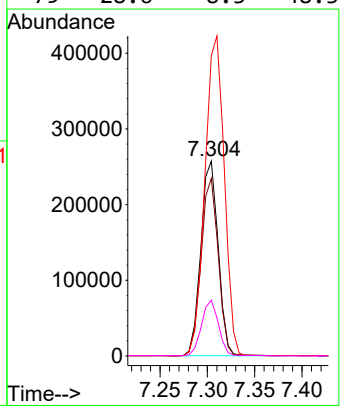


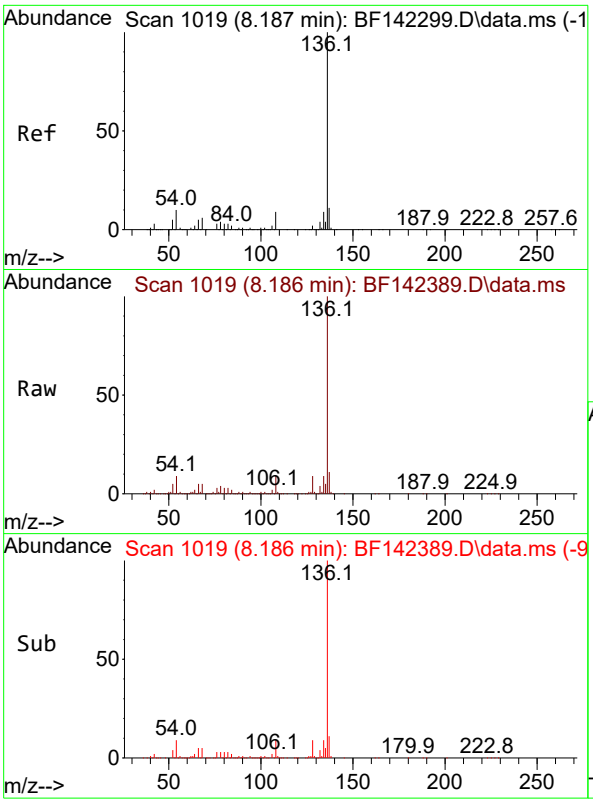


#20
3+4-Methylphenols
Concen: 29.985 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:107 Resp: 327459

Ion	Ratio	Lower	Upper
107	100		
108	91.1	71.5	111.5
77	154.0	61.6	101.6#
79	28.6	8.3	48.3



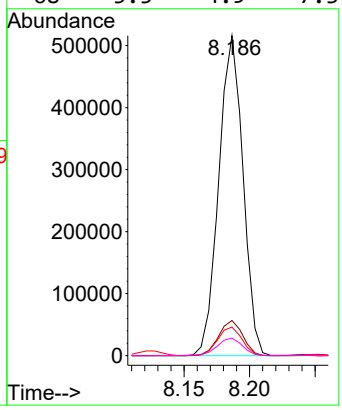


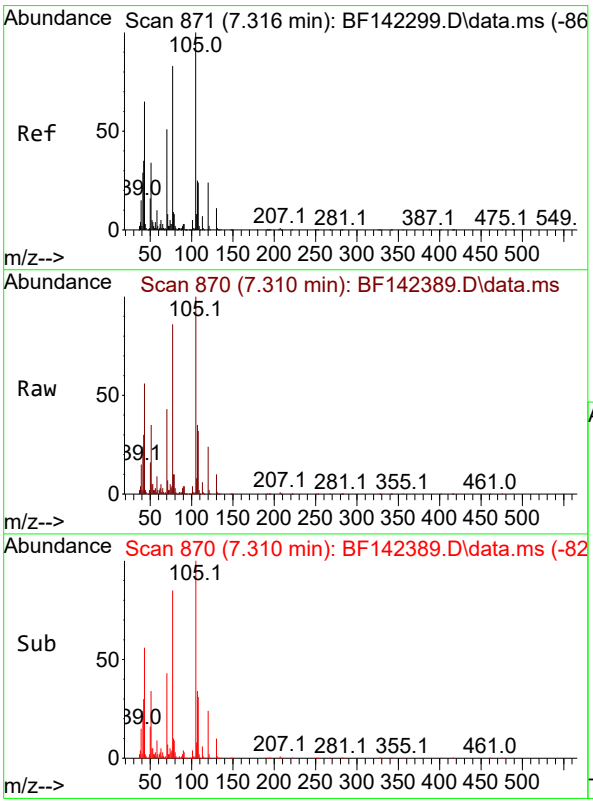
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:136 Resp: 662026

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	9.0	7.7	11.5
68	5.5	4.9	7.3

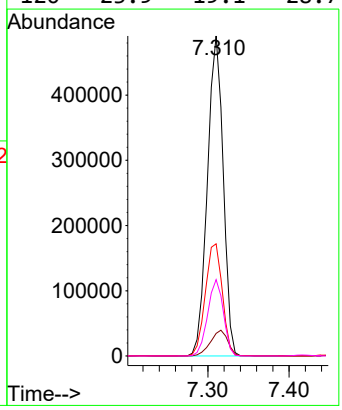


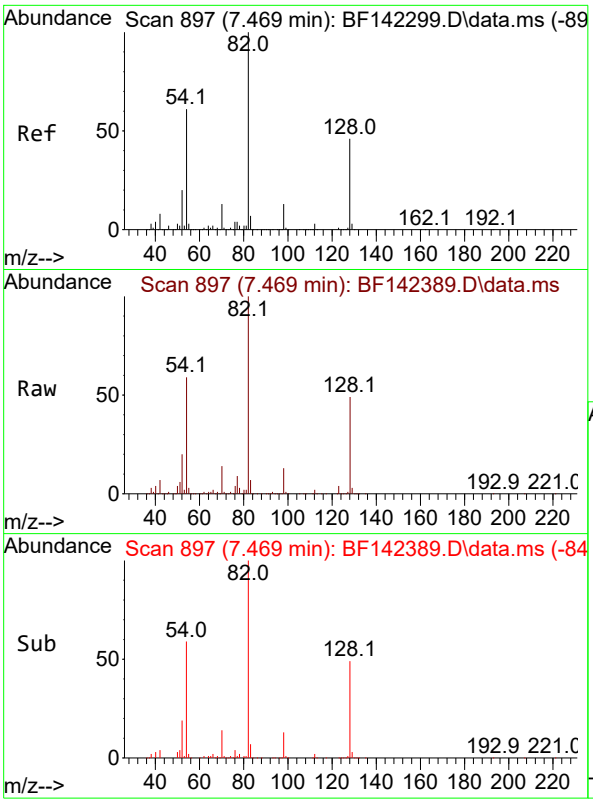


#22
Acetophenone
Concen: 45.031 ng
RT: 7.310 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:105 Resp: 662853

Ion	Ratio	Lower	Upper
105	100		
71	7.1	6.7	10.1
51	35.1	27.6	41.4
120	23.9	19.1	28.7



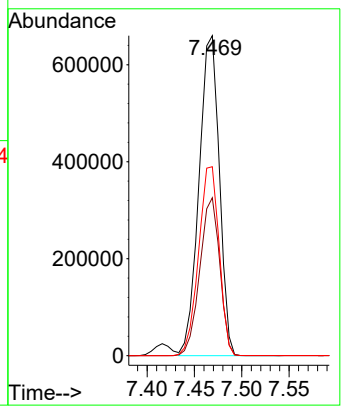


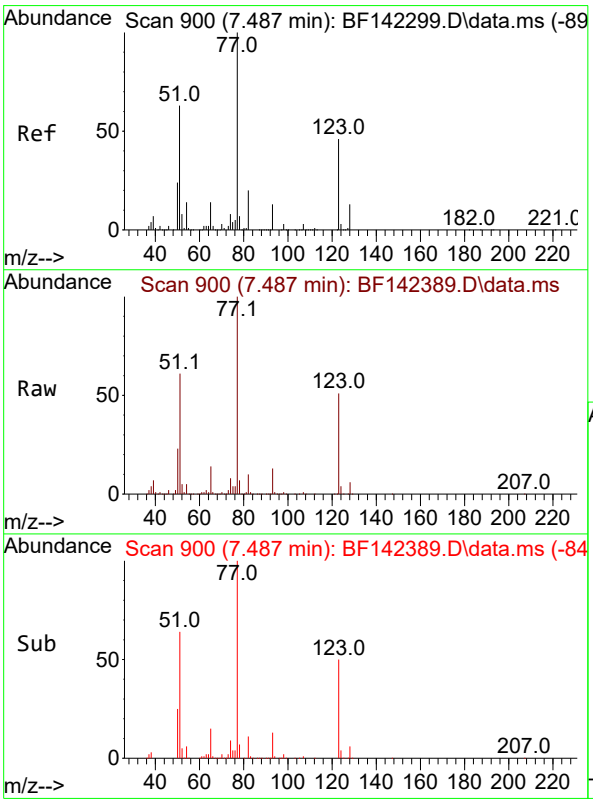
#23
Nitrobenzene-d5
Concen: 90.437 ng
RT: 7.469 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion: 82 Resp: 981708

Ion	Ratio	Lower	Upper
82	100		
128	49.4	37.0	55.6
54	59.1	48.6	73.0

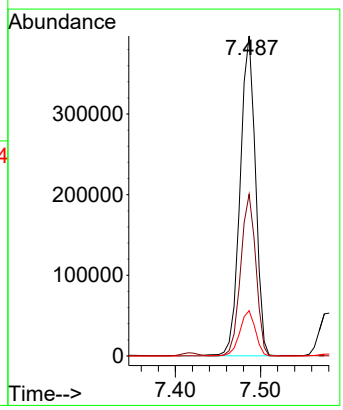


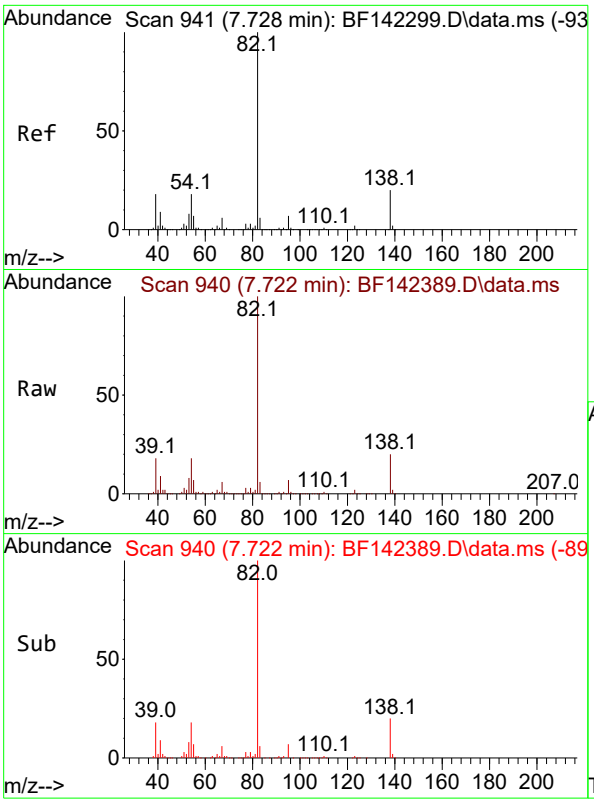


#24
Nitrobenzene
Concen: 48.371 ng
RT: 7.487 min Scan# 900
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion: 77 Resp: 494951

Ion	Ratio	Lower	Upper
77	100		
123	50.6	37.8	56.8
65	14.1	11.4	17.0



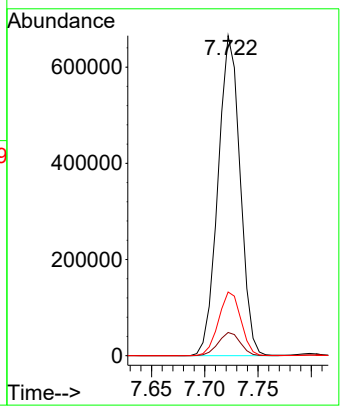


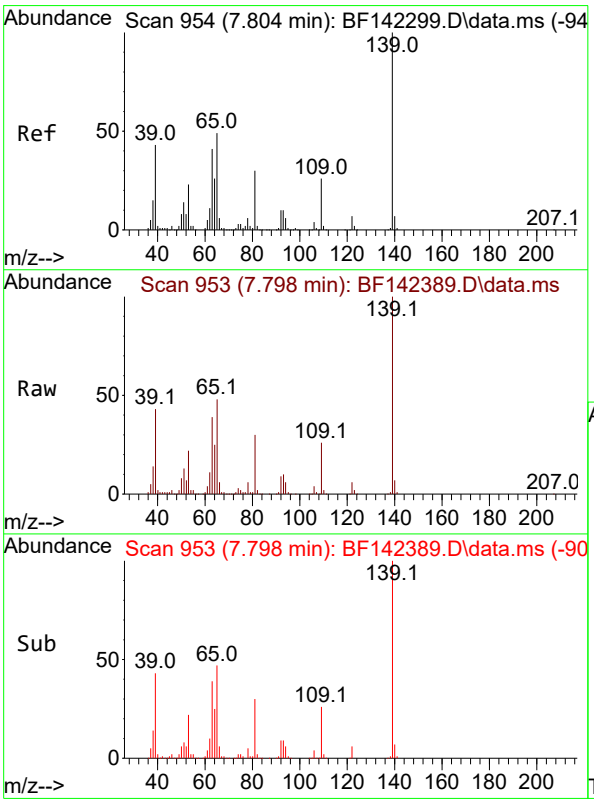
#25
Isophorone
Concen: 46.768 ng
RT: 7.722 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion: 82 Resp: 961365

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.8	8.8
138	19.9	16.1	24.1

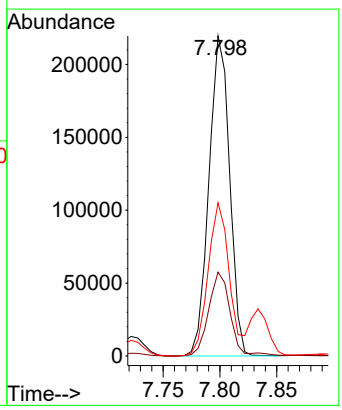


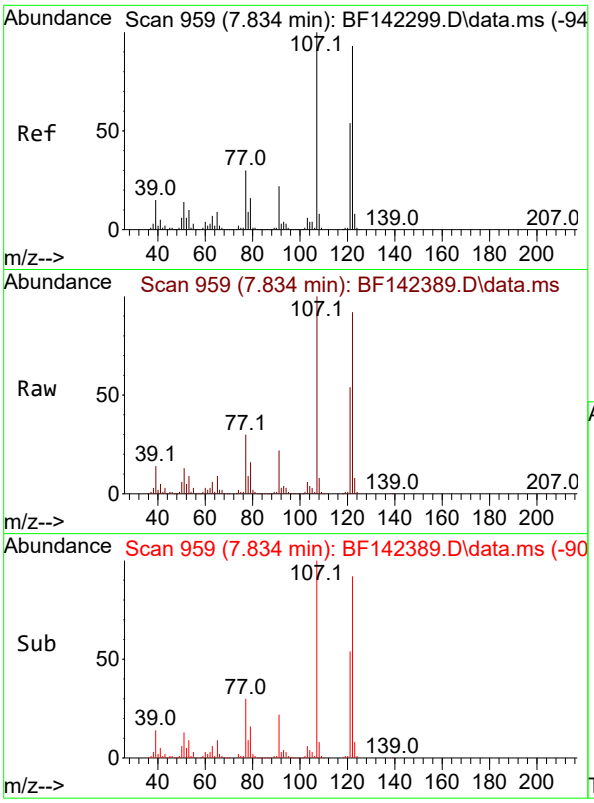


#26
2-Nitrophenol
Concen: 55.742 ng
RT: 7.798 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:139 Resp: 278478

Ion	Ratio	Lower	Upper
139	100		
109	26.2	20.8	31.2
65	47.8	38.9	58.3



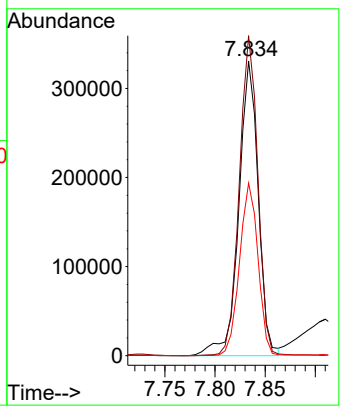


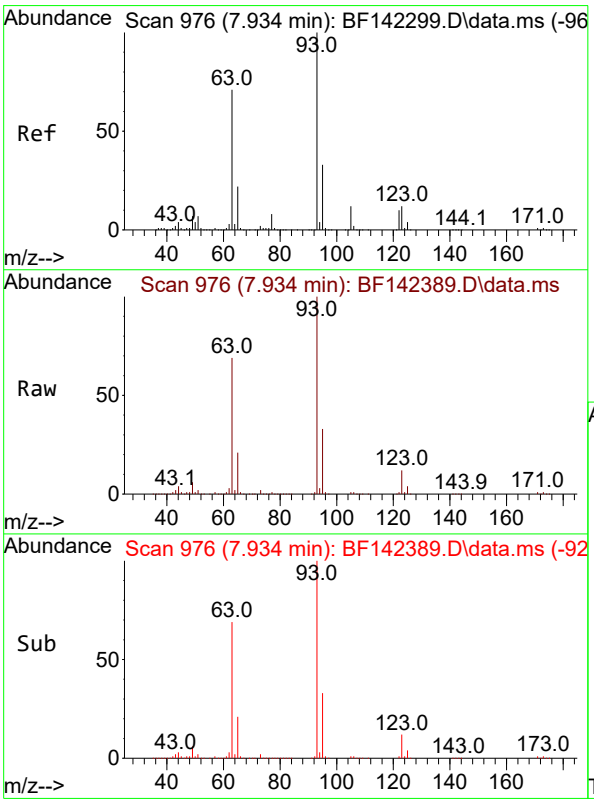
#27
2,4-Dimethylphenol
Concen: 43.261 ng
RT: 7.834 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:122 Resp: 447099

Ion	Ratio	Lower	Upper
122	100		
107	108.6	86.0	129.0
121	58.6	46.2	69.4

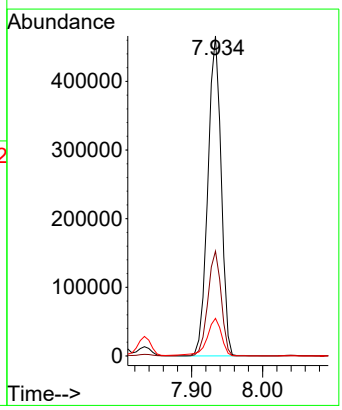


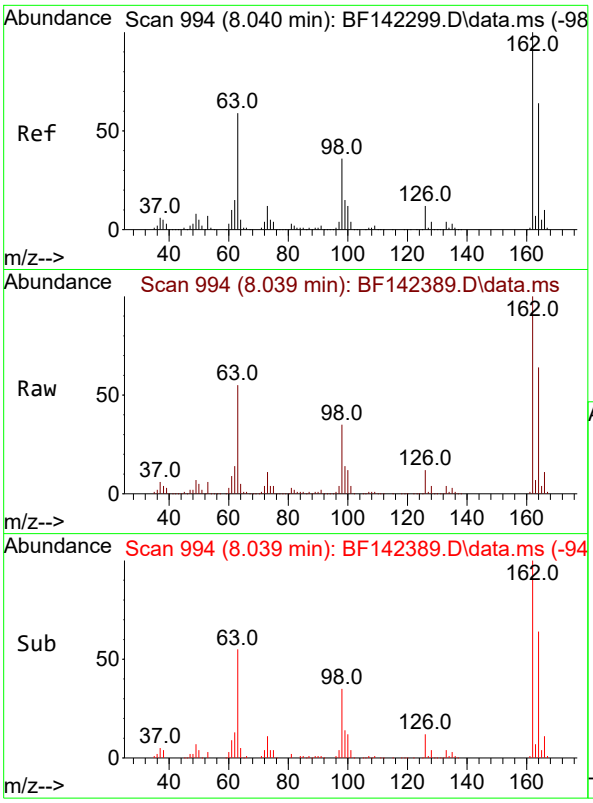


#28
bis(2-Chloroethoxy)methane
Concen: 45.900 ng
RT: 7.934 min Scan# 976
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion: 93 Resp: 606692

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.1	39.1
123	11.8	10.2	15.4



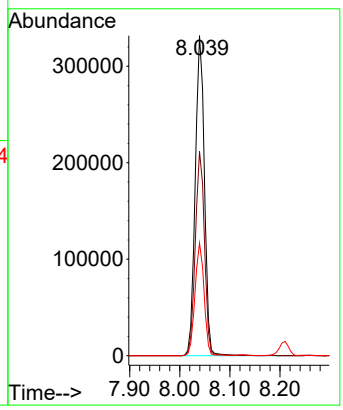


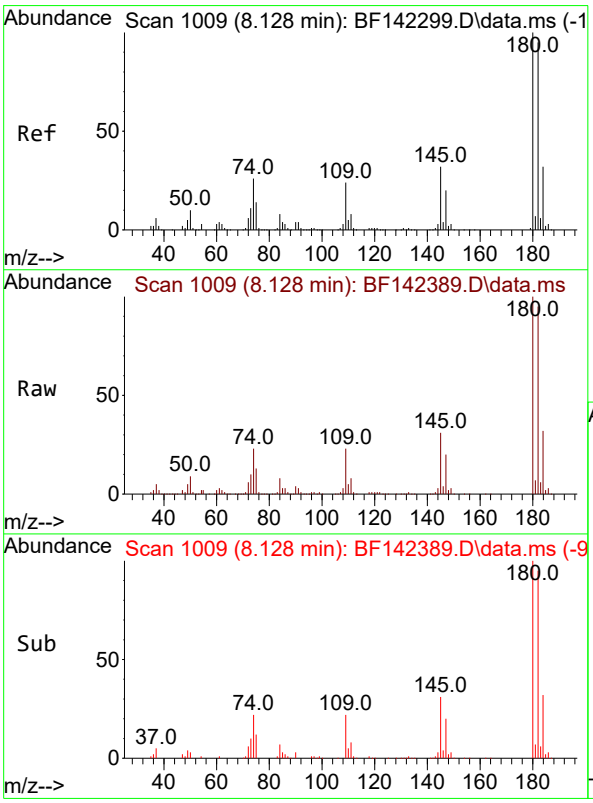
#29
2,4-Dichlorophenol
Concen: 47.875 ng
RT: 8.039 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:162 Resp: 420656

Ion	Ratio	Lower	Upper
162	100		
164	63.8	43.6	83.6
98	35.2	16.5	56.5

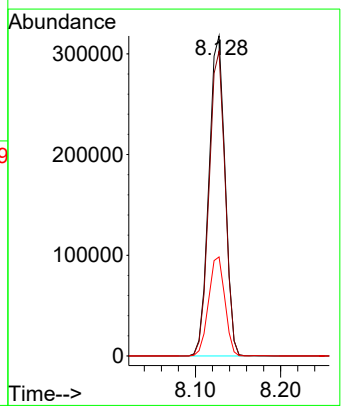


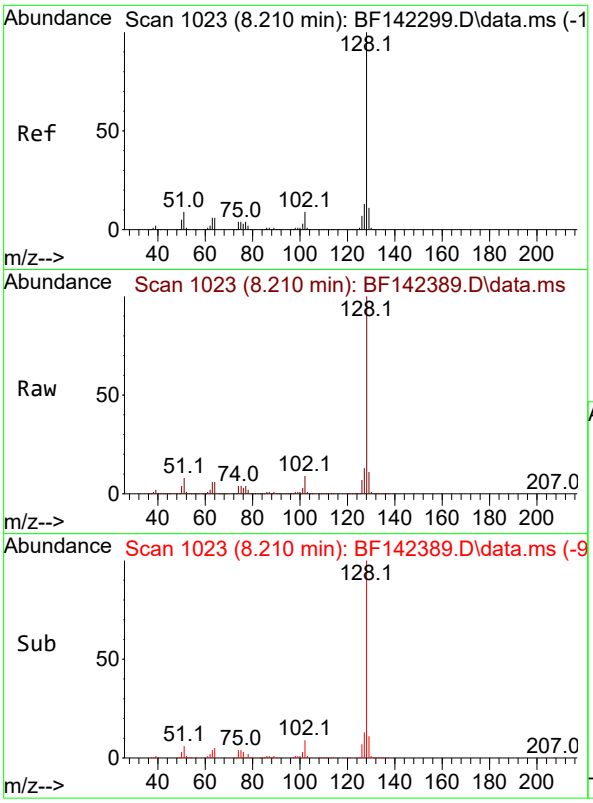


#30
1,2,4-Trichlorobenzene
Concen: 42.273 ng
RT: 8.128 min Scan# 1009
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:180 Resp: 418015

Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.2	114.4
145	30.9	25.8	38.6



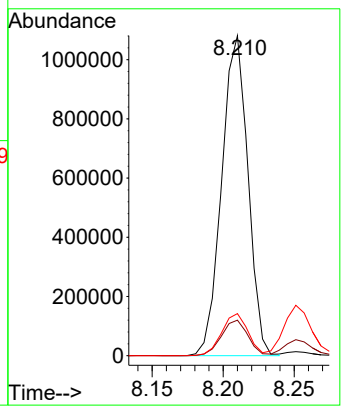


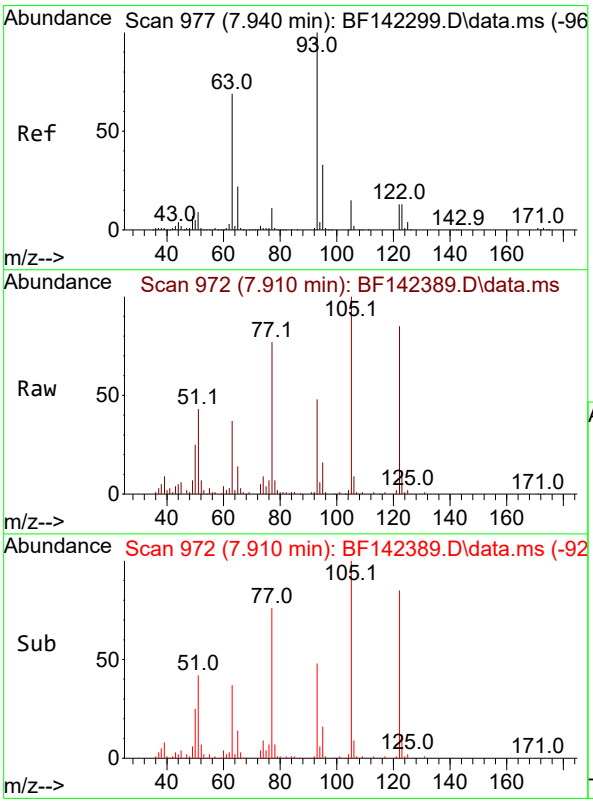
#31
Naphthalene
Concen: 43.310 ng
RT: 8.210 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:128 Resp: 1389634

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.1	13.7
127	13.2	10.5	15.7

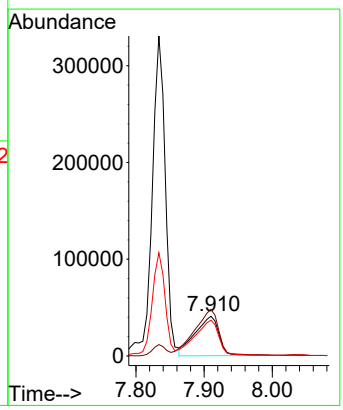


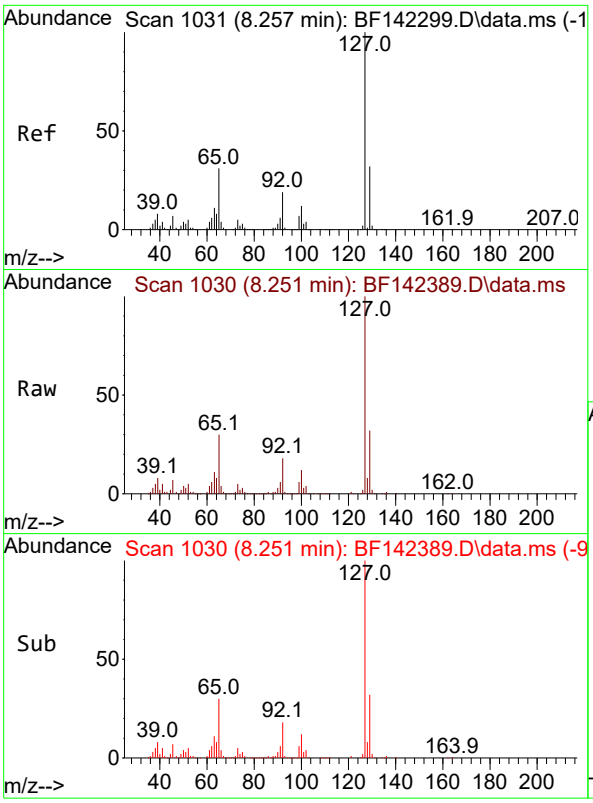


#32
Benzoic acid
Concen: 23.298 ng
RT: 7.910 min Scan# 972
Delta R.T. -0.030 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:122 Resp: 100050

Ion	Ratio	Lower	Upper
122	100		
105	117.4	97.9	137.9
77	90.6	67.7	107.7



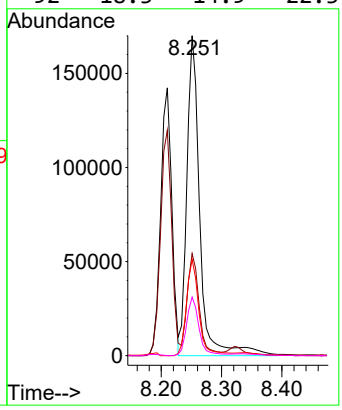


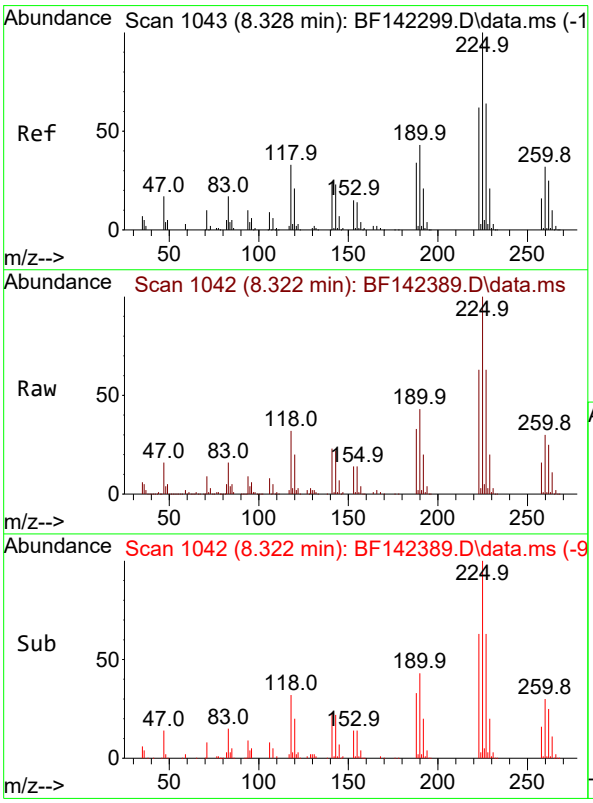
#33
4-Chloroaniline
Concen: 19.433 ng m
RT: 8.251 min Scan# 1
Delta R.T. -0.016 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:127 Resp: 254426

Ion	Ratio	Lower	Upper
127	100		
129	31.9	25.7	38.5
65	30.0	24.9	37.3
92	18.3	14.9	22.3

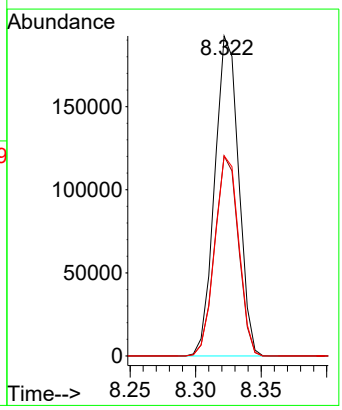


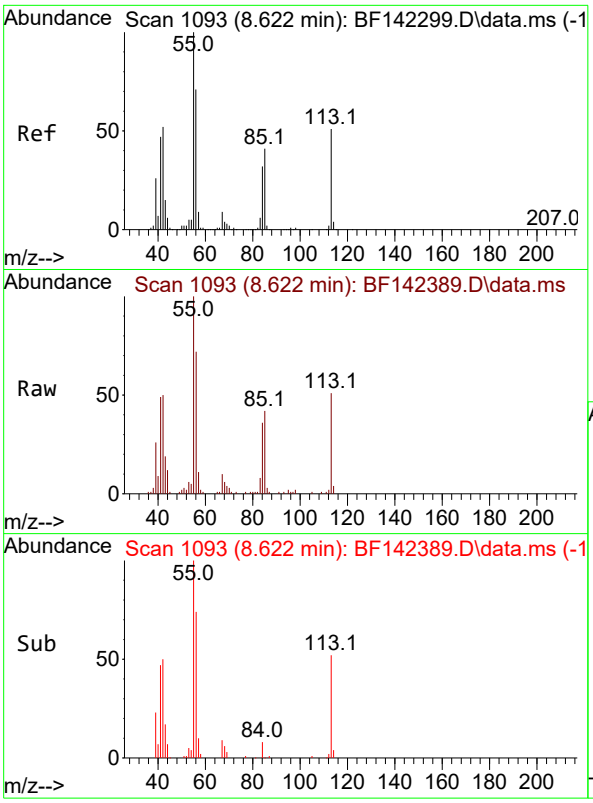


#34
Hexachlorobutadiene
Concen: 41.556 ng
RT: 8.322 min Scan# 1042
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:225 Resp: 243324

Ion	Ratio	Lower	Upper
225	100		
223	62.5	49.8	74.6
227	62.5	50.9	76.3



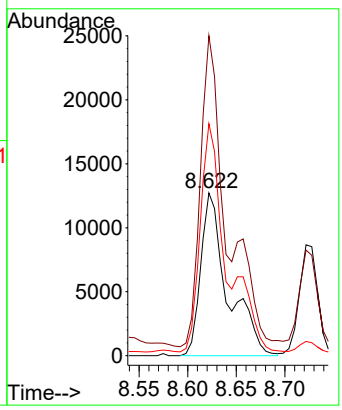


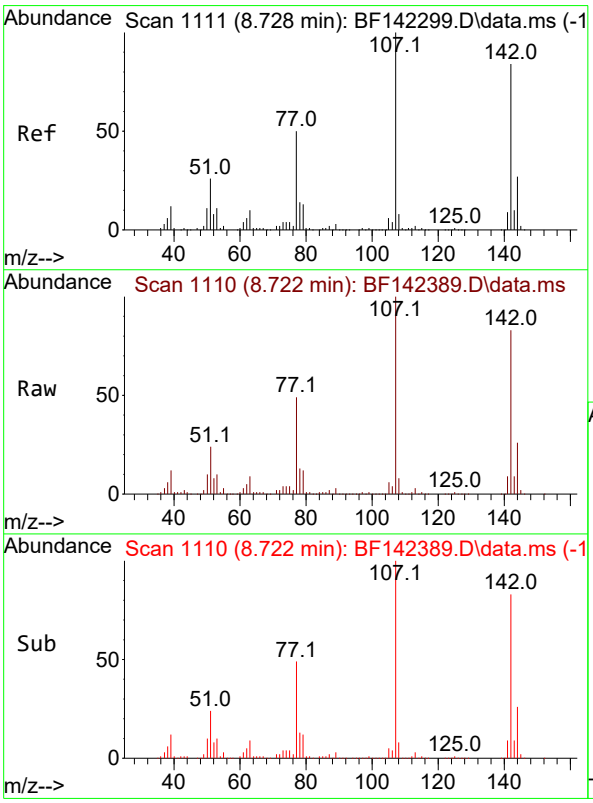
#35
Caprolactam
Concen: 9.582 ng m
RT: 8.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:113 Resp: 24538

Ion	Ratio	Lower	Upper
113	100		
55	196.7	176.4	216.4
56	142.6	120.3	160.3

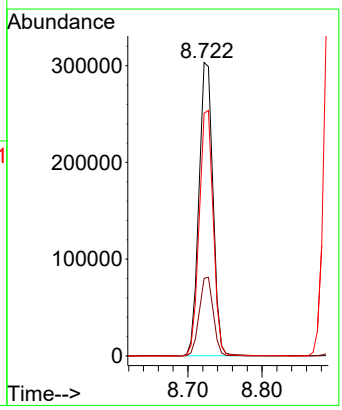


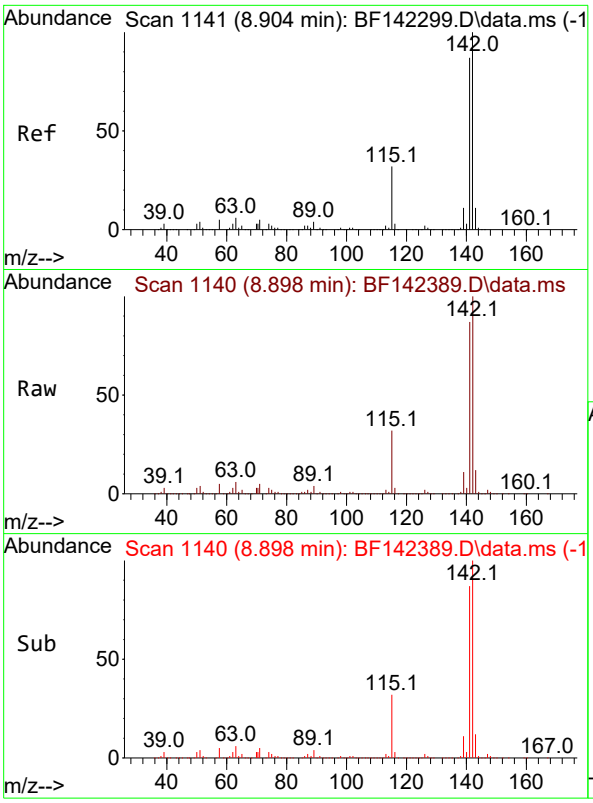


#36
4-Chloro-3-methylphenol
Concen: 43.626 ng
RT: 8.722 min Scan# 1110
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:107 Resp: 398461

Ion	Ratio	Lower	Upper
107	100		
144	26.5	21.3	31.9
142	82.7	66.9	100.3



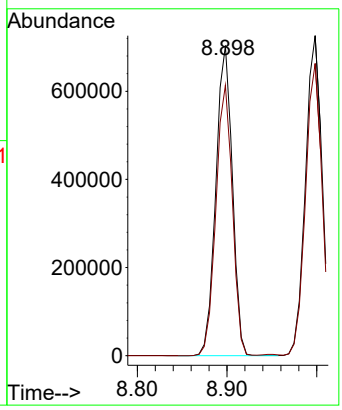


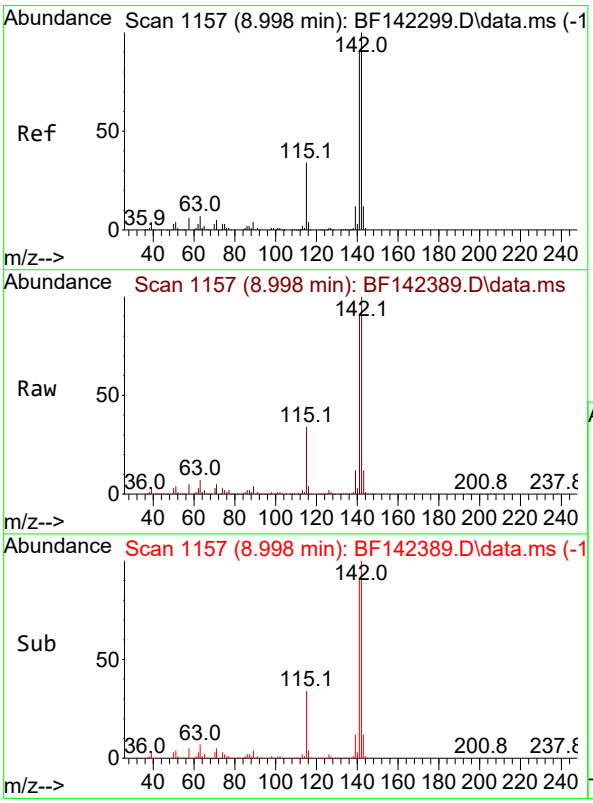
#37
2-Methylnaphthalene
Concen: 45.031 ng
RT: 8.898 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:142 Resp: 897809

Ion	Ratio	Lower	Upper
142	100		
141	87.2	69.4	104.2

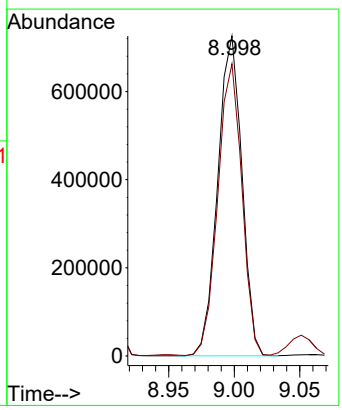


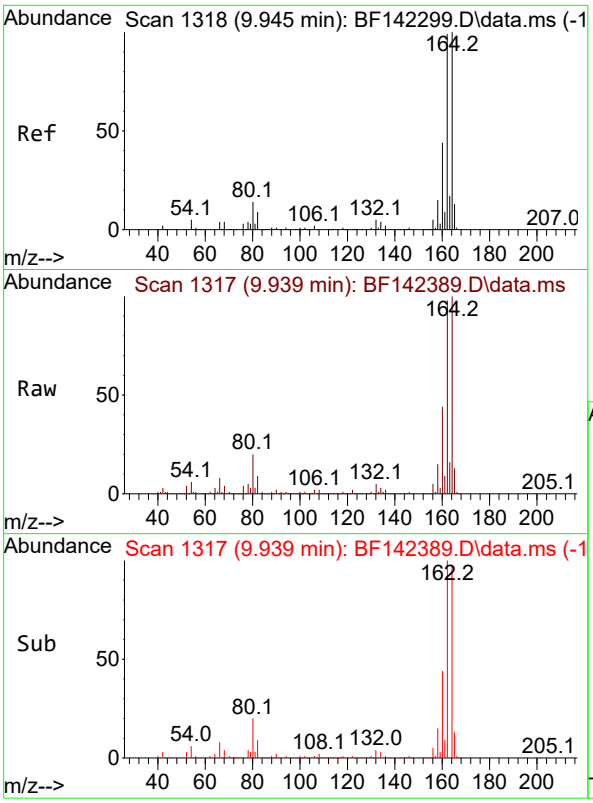


#38
1-Methylnaphthalene
Concen: 44.675 ng
RT: 8.998 min Scan# 1157
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:142 Resp: 928360

Ion	Ratio	Lower	Upper
142	100		
141	91.3	72.5	108.7



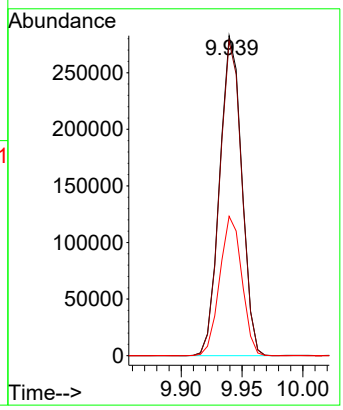


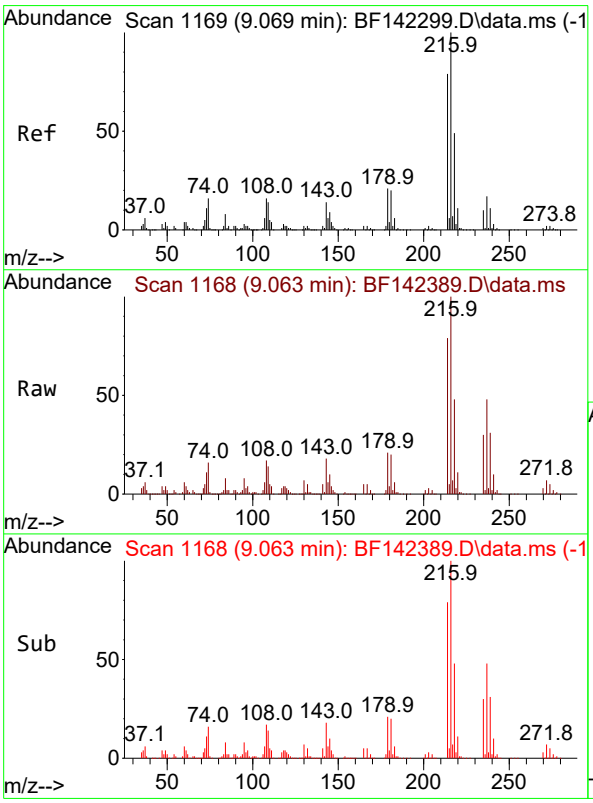
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:164 Resp: 357440

Ion	Ratio	Lower	Upper
164	100		
162	98.3	79.2	118.8
160	43.5	35.3	52.9

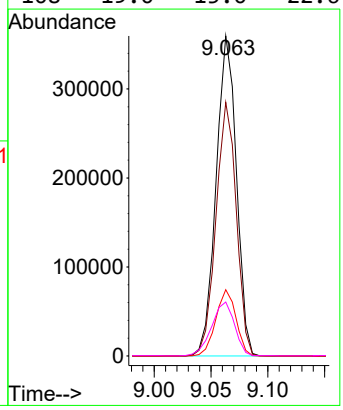


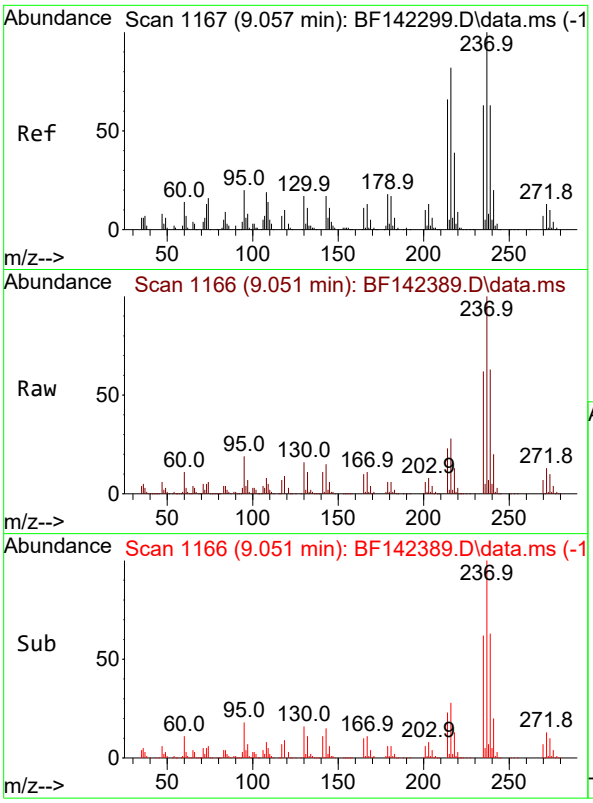


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.886 ng
RT: 9.063 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:216 Resp: 448092

Ion	Ratio	Lower	Upper
216	100		
214	79.1	63.8	95.6
179	20.6	17.0	25.6
108	19.0	15.0	22.6



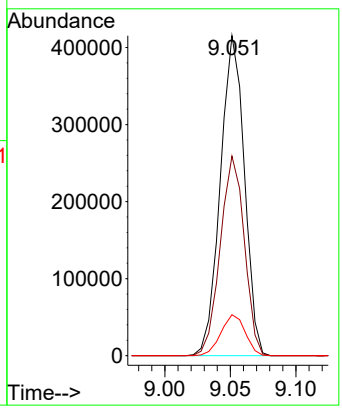


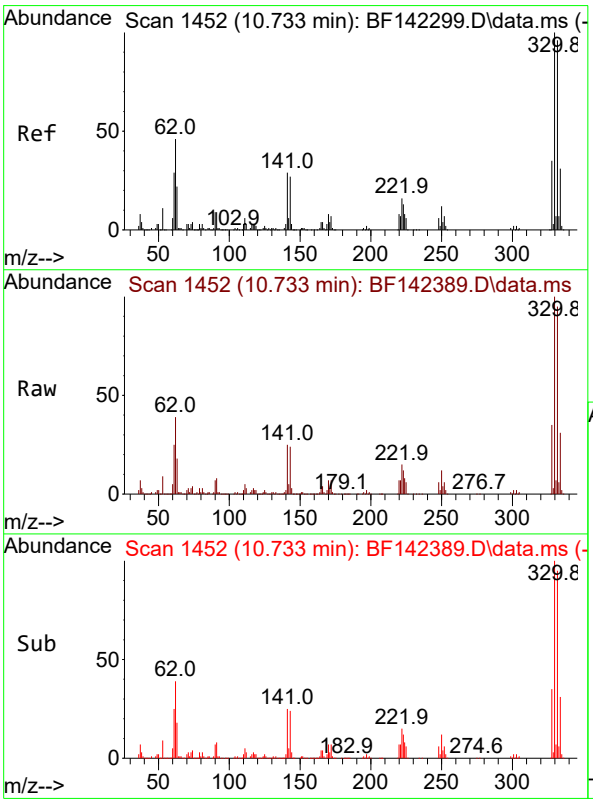
#41
Hexachlorocyclopentadiene
Concen: 85.793 ng
RT: 9.051 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:237 Resp: 529316

Ion	Ratio	Lower	Upper
237	100		
235	62.4	42.8	82.8
272	12.8	0.0	33.0

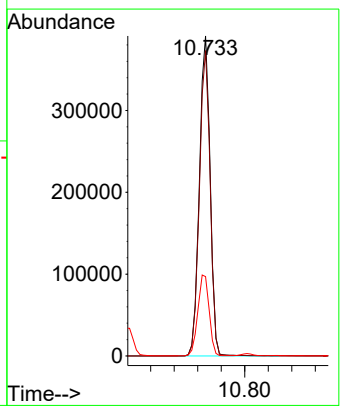


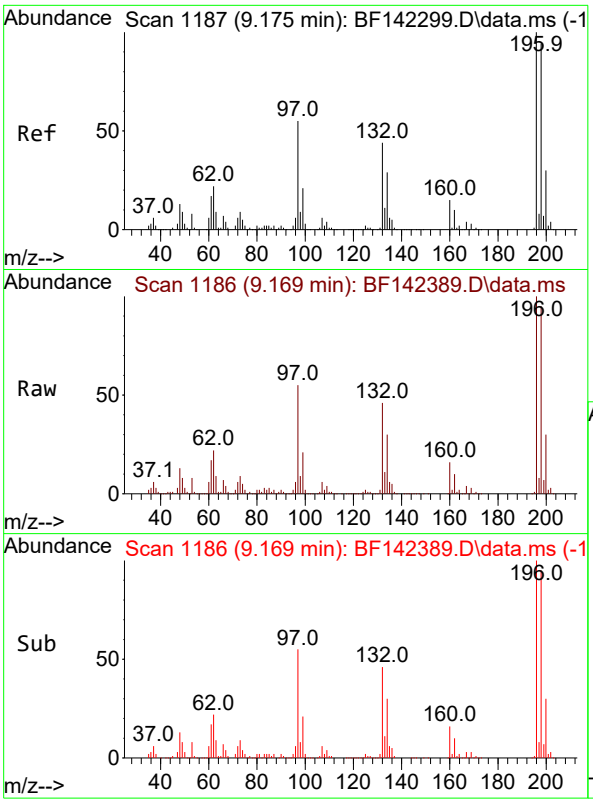


#42
2,4,6-Tribromophenol
Concen: 144.002 ng
RT: 10.733 min Scan# 1452
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:330 Resp: 496952

Ion	Ratio	Lower	Upper
330	100		
332	95.5	76.8	115.2
141	26.5	24.9	37.3



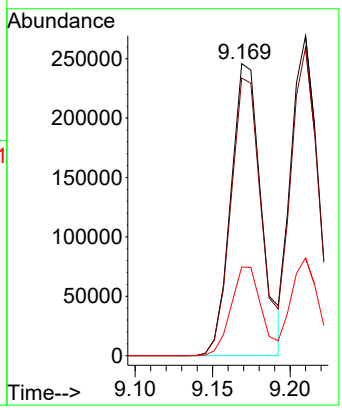


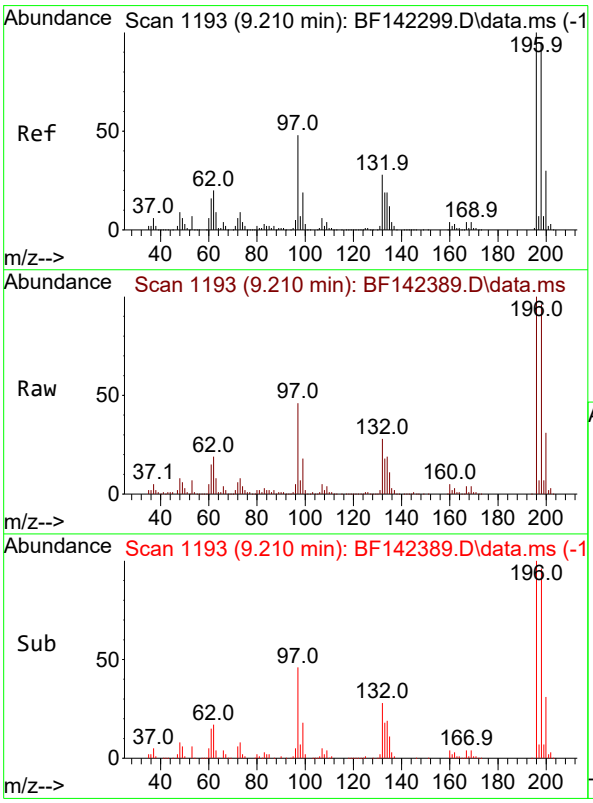
#43
2,4,6-Trichlorophenol
Concen: 53.182 ng
RT: 9.169 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:196 Resp: 334881

Ion	Ratio	Lower	Upper
196	100		
198	95.1	75.4	113.0
200	30.3	24.3	36.5

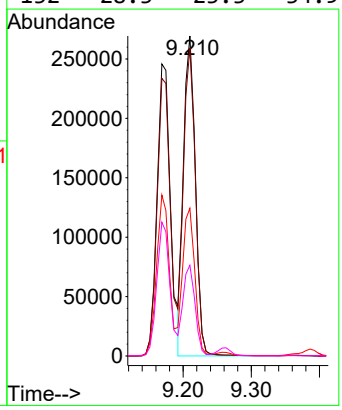


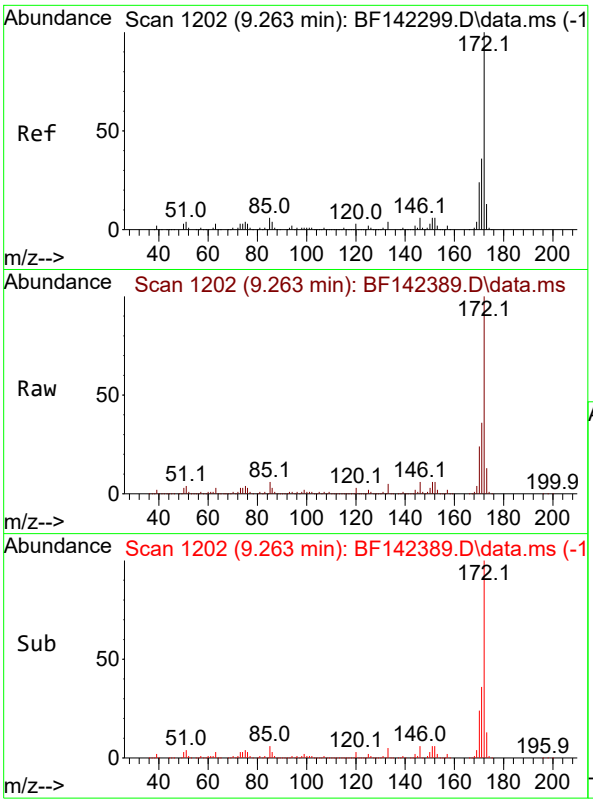


#44
2,4,5-Trichlorophenol
Concen: 48.481 ng
RT: 9.210 min Scan# 1193
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:196 Resp: 324822

Ion	Ratio	Lower	Upper
196	100		
198	96.3	76.1	114.1
97	46.2	39.0	58.4
132	28.3	23.3	34.9



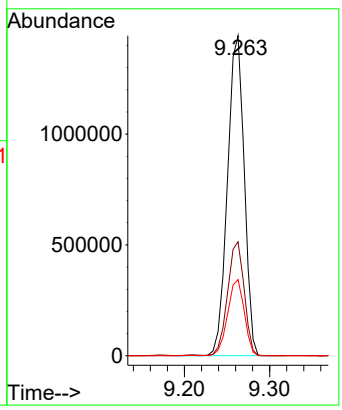


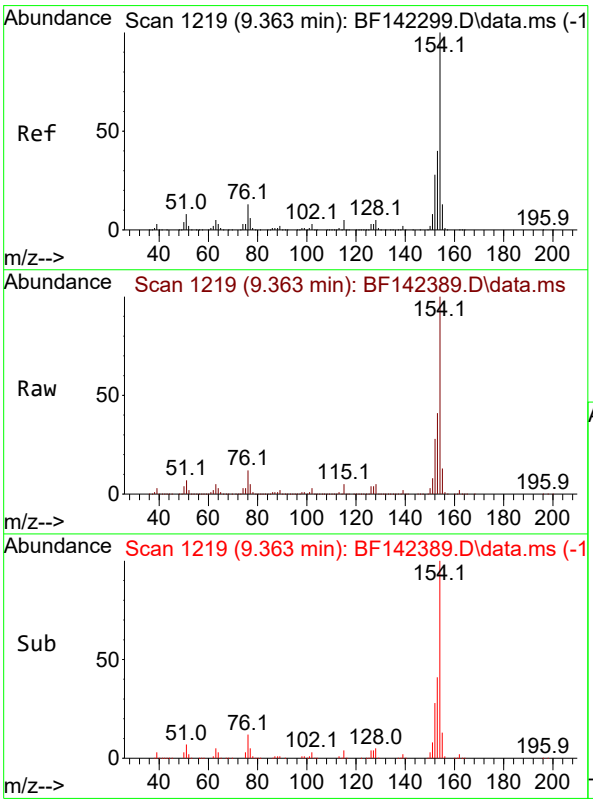
#45
2-Fluorobiphenyl
Concen: 78.670 ng
RT: 9.263 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:172 Resp: 1972111

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.6	42.8
170	23.8	19.0	28.4

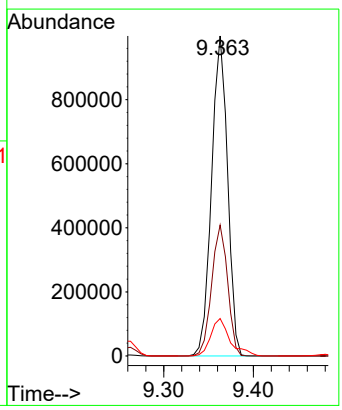


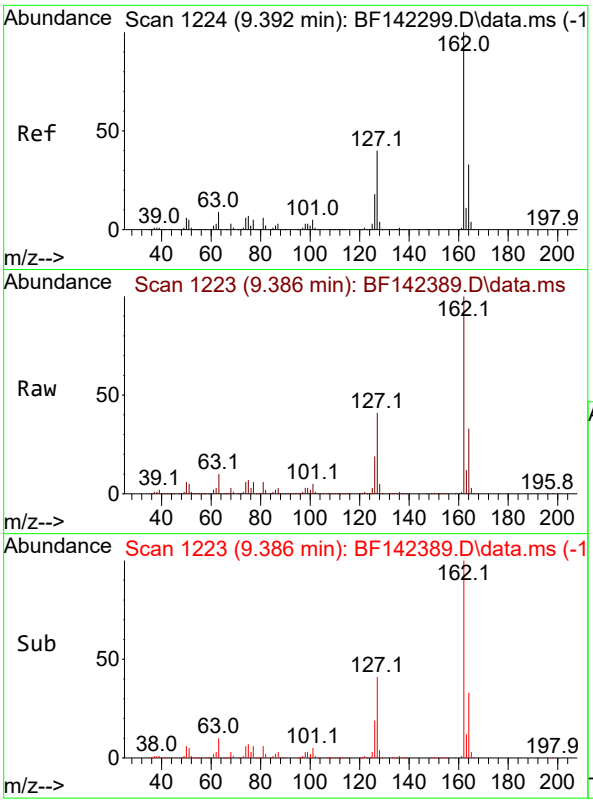


#46
1,1'-Biphenyl
Concen: 45.041 ng
RT: 9.363 min Scan# 1219
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:154 Resp: 1234418

Ion	Ratio	Lower	Upper
154	100		
153	40.9	20.5	60.5
76	11.7	0.0	32.8



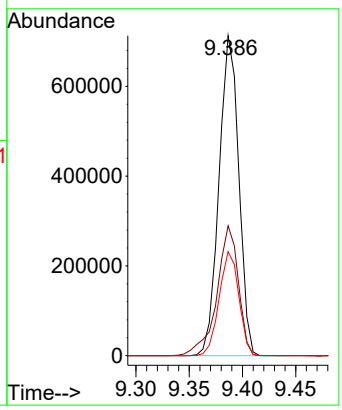


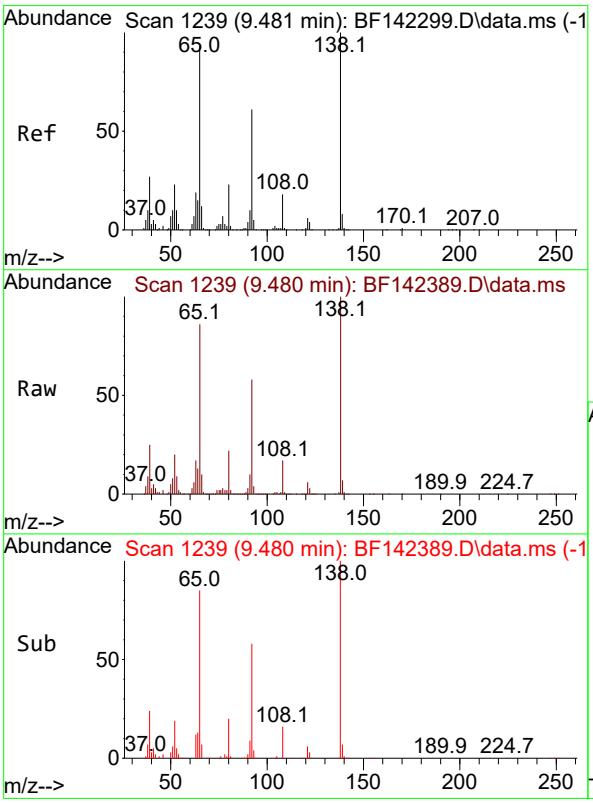
#47
2-Chloronaphthalene
Concen: 45.002 ng
RT: 9.386 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:162 Resp: 917216

Ion	Ratio	Lower	Upper
162	100		
127	40.6	32.3	48.5
164	32.5	26.6	40.0

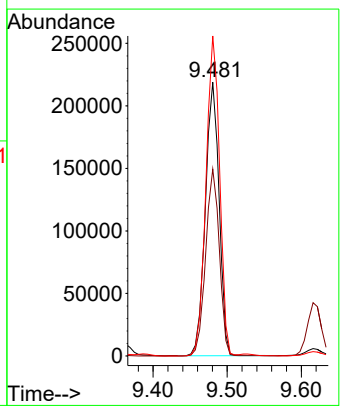


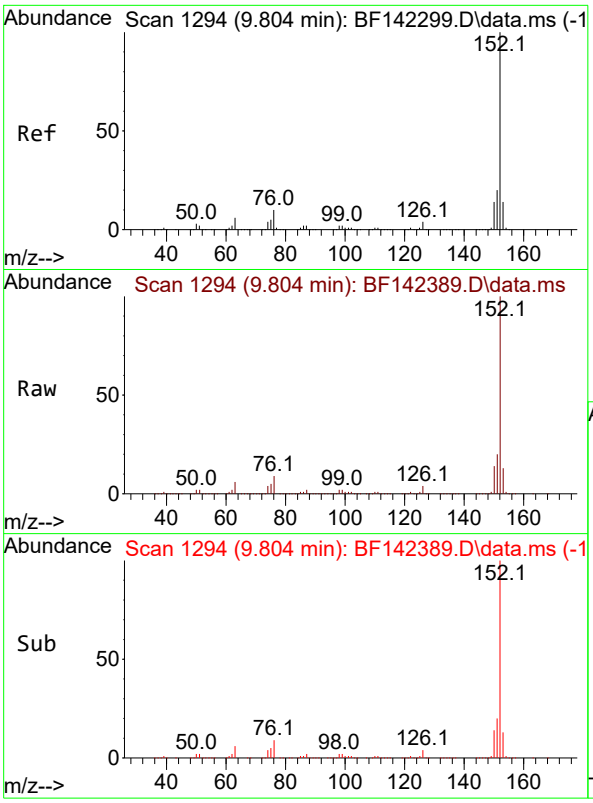


#48
2-Nitroaniline
Concen: 54.101 ng
RT: 9.480 min Scan# 1239
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion: 65 Resp: 282636

Ion	Ratio	Lower	Upper
65	100		
92	68.3	52.3	78.5
138	116.9	85.6	128.4



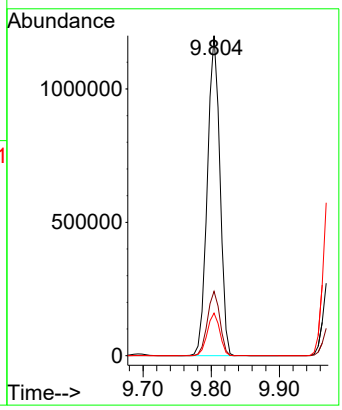


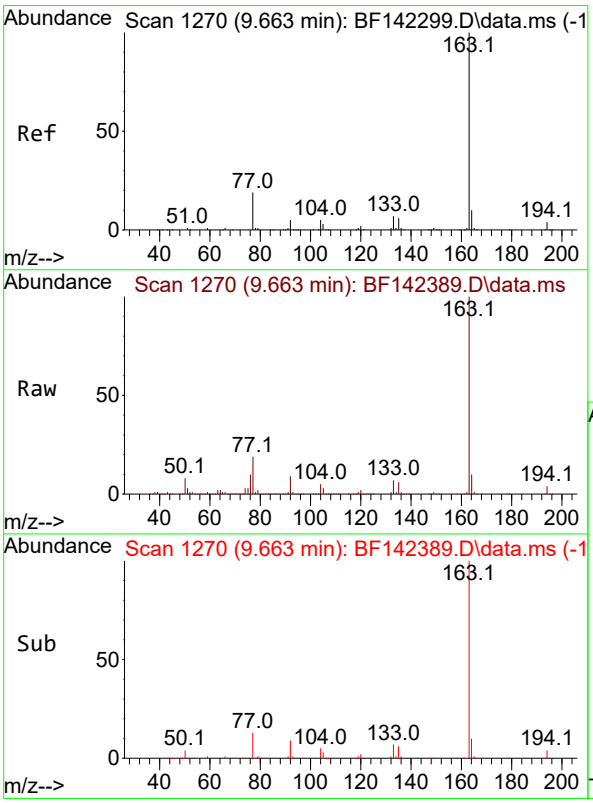
#49
Acenaphthylene
Concen: 44.966 ng
RT: 9.804 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:152 Resp: 1533127

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.0	24.0
153	13.3	10.8	16.2

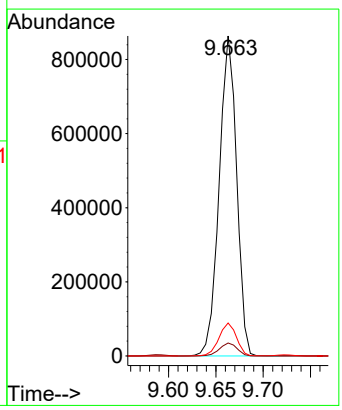


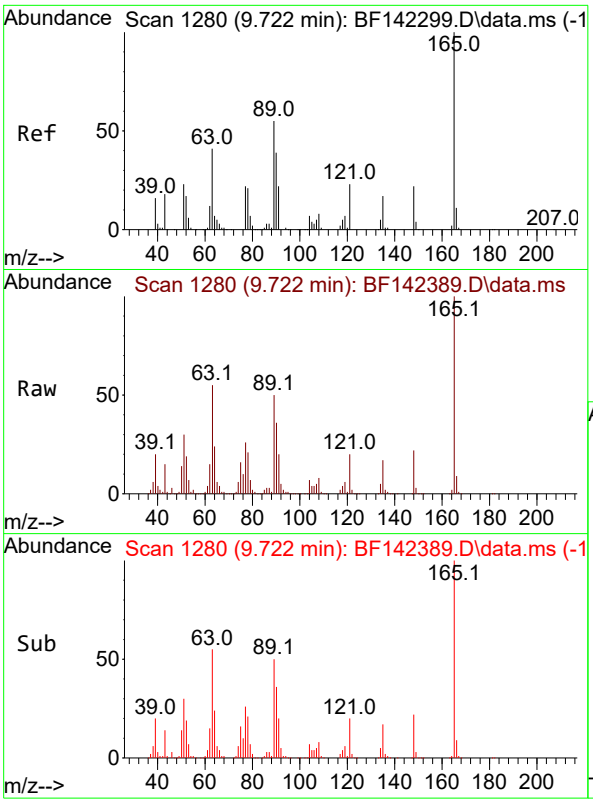


#50
Dimethylphthalate
Concen: 48.324 ng
RT: 9.663 min Scan# 1270
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:163 Resp: 1109141

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.2	4.8
164	10.3	8.3	12.5



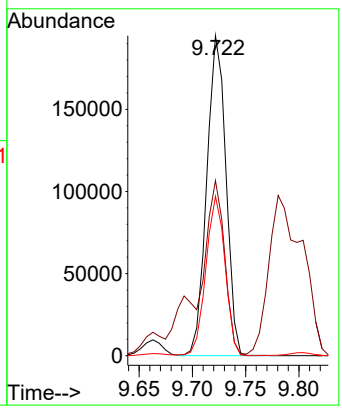


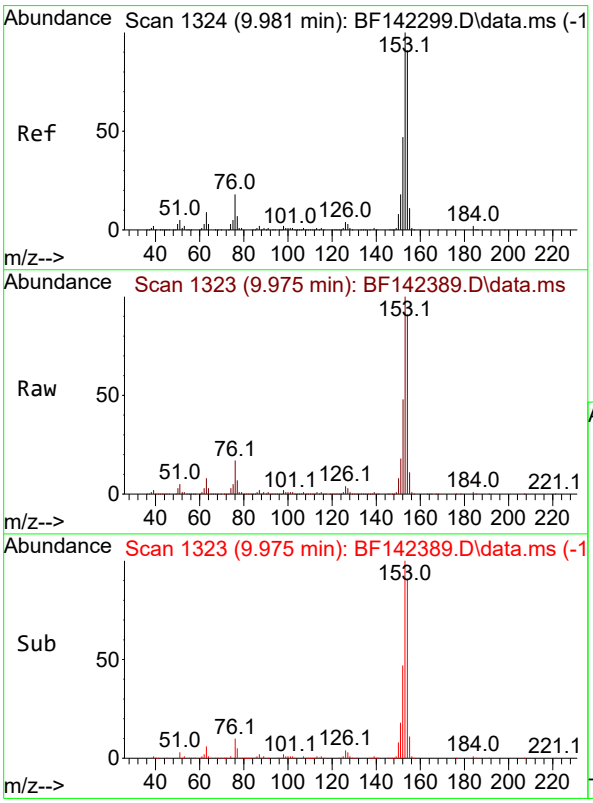
#51
2,6-Dinitrotoluene
Concen: 56.826 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:165 Resp: 244138

Ion	Ratio	Lower	Upper
165	100		
63	54.7	49.5	74.3
89	49.8	44.6	66.8

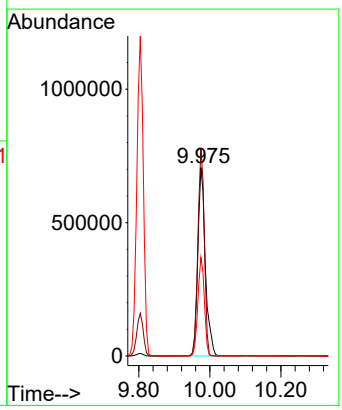


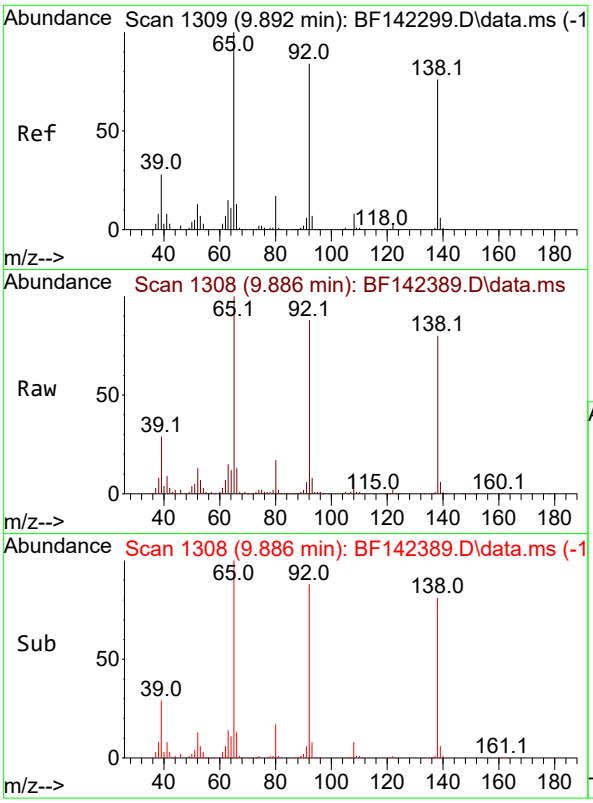


#52
Acenaphthene
Concen: 50.877 ng
RT: 9.975 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:154 Resp: 1043039

Ion	Ratio	Lower	Upper
154	100		
153	110.1	88.0	132.0
152	52.3	41.6	62.4



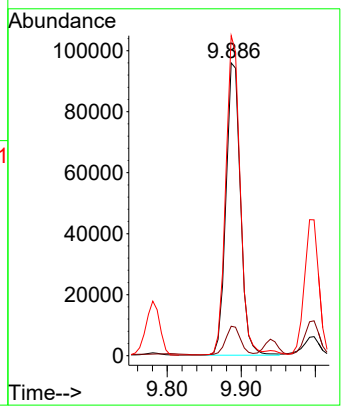


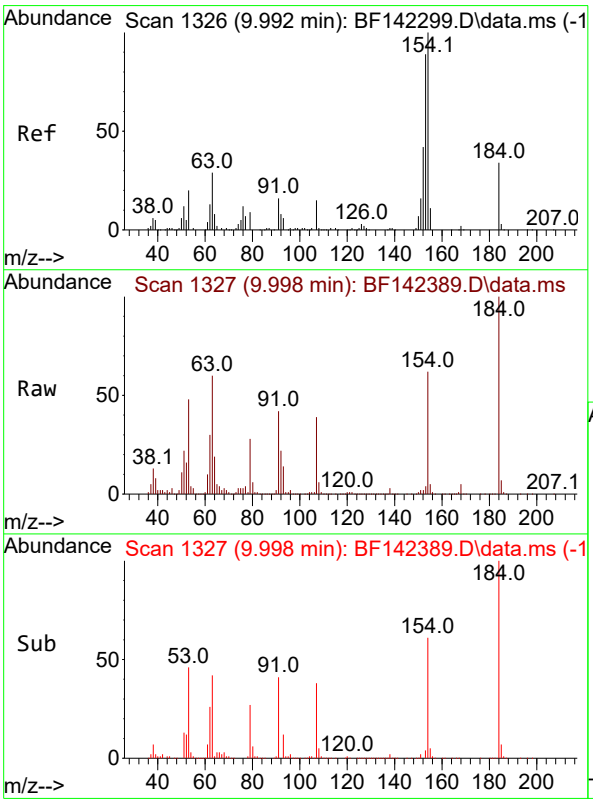
#53
3-Nitroaniline
Concen: 25.883 ng
RT: 9.886 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:138 Resp: 130415

Ion	Ratio	Lower	Upper
138	100		
108	10.0	8.7	13.1
92	109.3	89.5	134.3

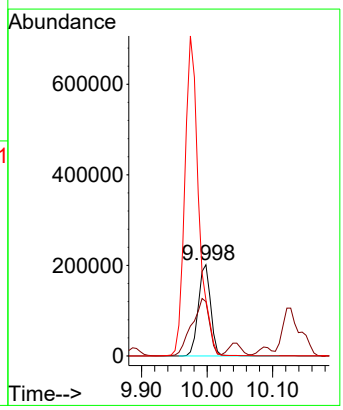


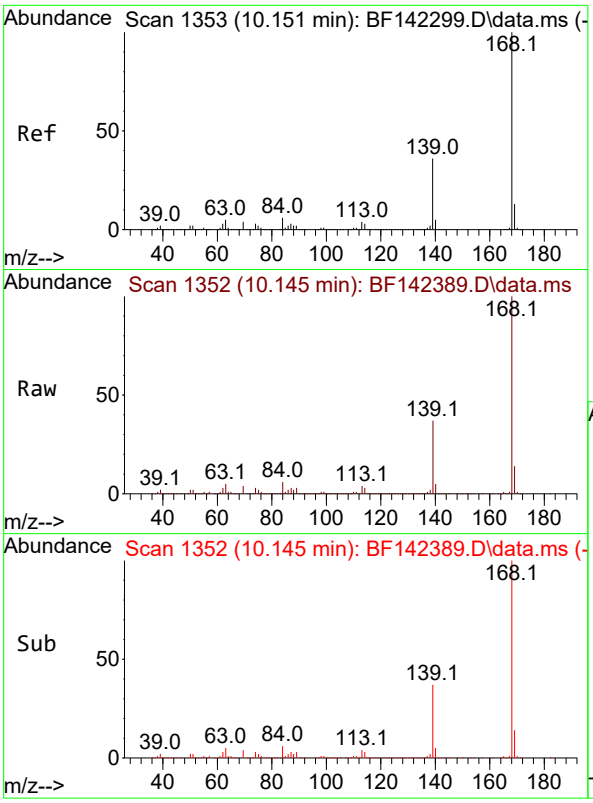


#54
2,4-Dinitrophenol
Concen: 114.370 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:184 Resp: 265247

Ion	Ratio	Lower	Upper
184	100		
63	59.7	70.6	105.8#
154	61.7	257.2	385.8#



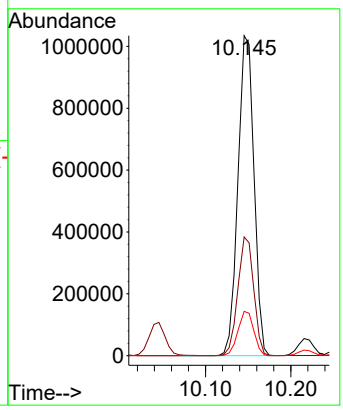


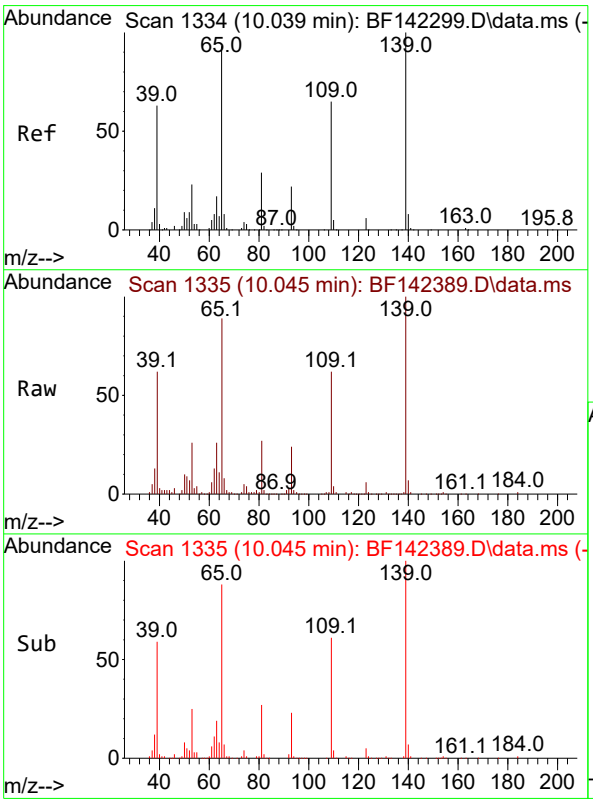
#55
Dibenzofuran
Concen: 44.704 ng
RT: 10.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:168 Resp: 1352552

Ion	Ratio	Lower	Upper
168	100		
139	37.1	29.0	43.4
169	13.8	10.7	16.1

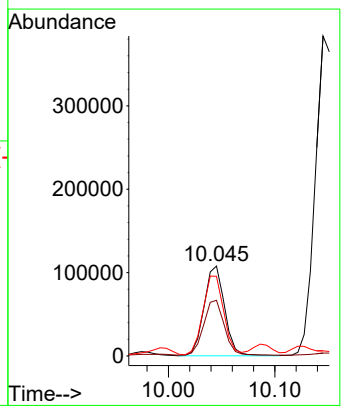


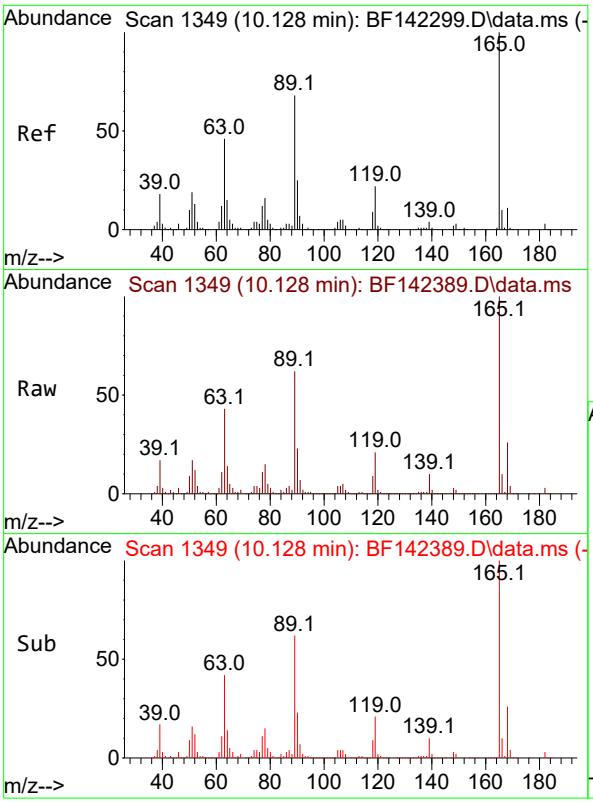


#56
4-Nitrophenol
Concen: 37.888 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:139 Resp: 143679

Ion	Ratio	Lower	Upper
139	100		
109	62.0	45.3	85.3
65	88.7	73.9	113.9



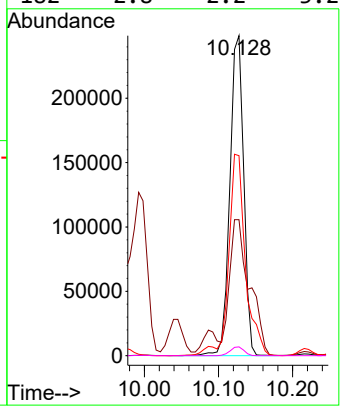


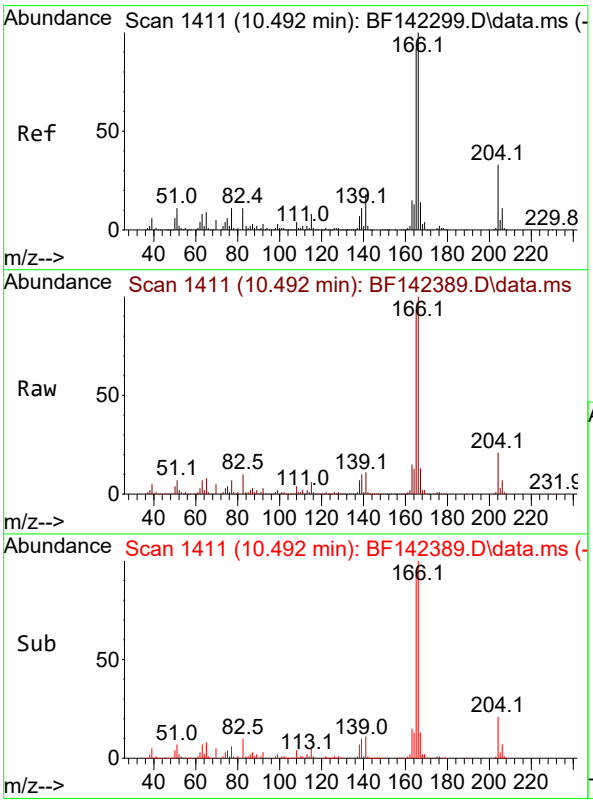
#57
2,4-Dinitrotoluene
Concen: 58.409 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:165 Resp: 321887

Ion	Ratio	Lower	Upper
165	100		
63	42.5	37.1	55.7
89	62.5	54.4	81.6
182	2.8	2.2	3.2

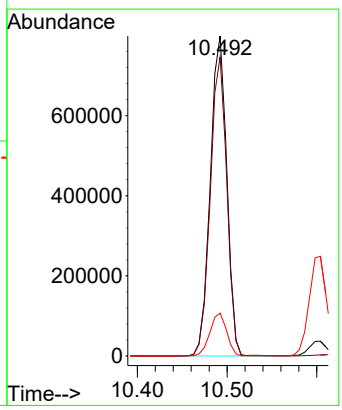


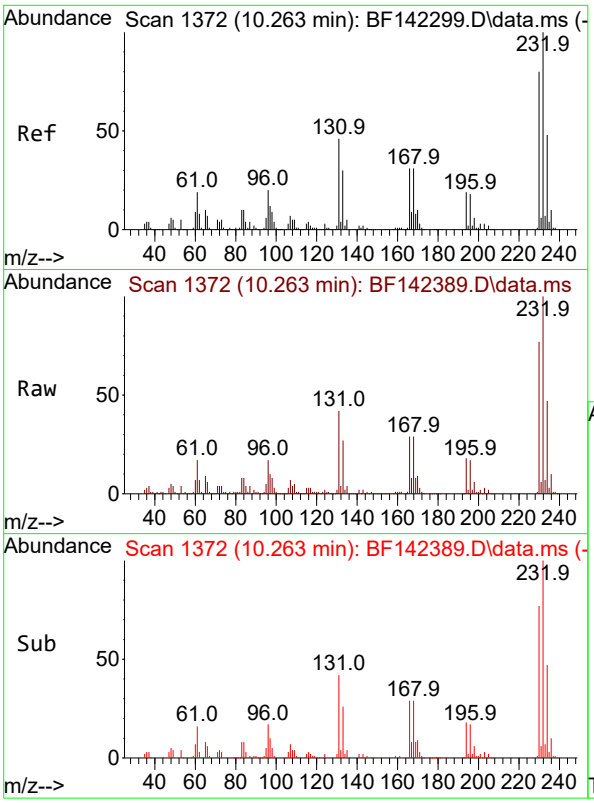


#58
Fluorene
Concen: 44.166 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:166 Resp: 1019788

Ion	Ratio	Lower	Upper
166	100		
165	93.4	74.0	111.0
167	13.4	10.9	16.3



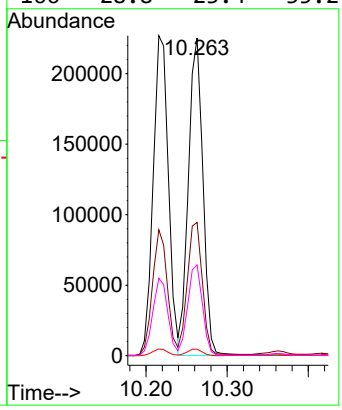


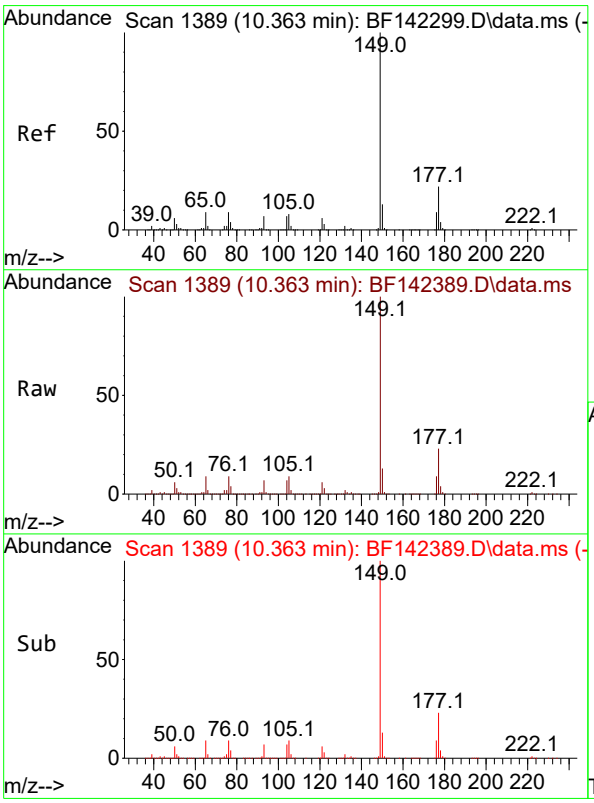
#59
2,3,4,6-Tetrachlorophenol
Concen: 50.862 ng
RT: 10.263 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:232 Resp: 281314

Ion	Ratio	Lower	Upper
232	100		
131	42.6	36.0	54.0
130	2.2	1.8	2.6
166	28.8	23.4	35.2

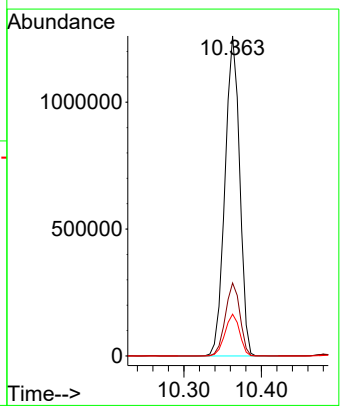


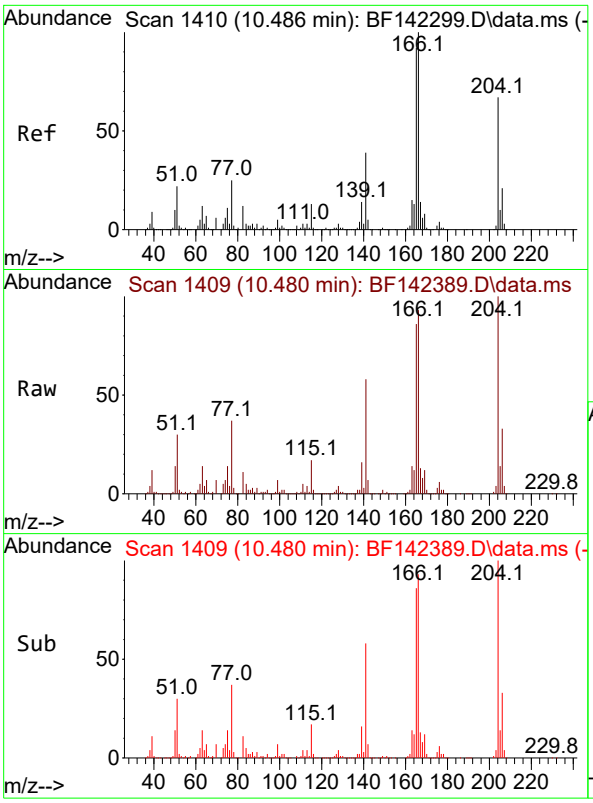


#60
Diethylphthalate
Concen: 72.520 ng
RT: 10.363 min Scan# 1389
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:149 Resp: 1662268

Ion	Ratio	Lower	Upper
149	100		
177	22.8	17.6	26.4
150	13.1	10.1	15.1



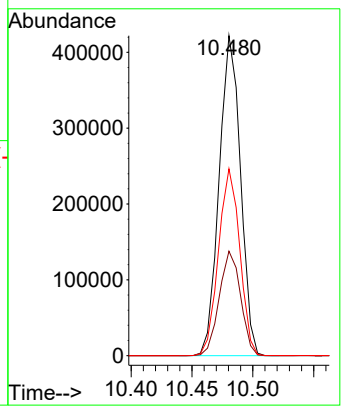


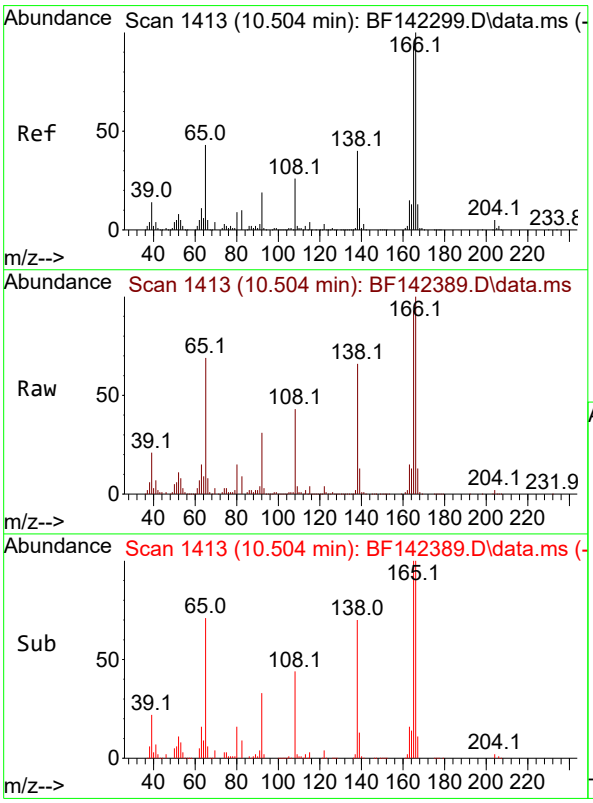
#61
4-Chlorophenyl-phenylether
Concen: 46.190 ng
RT: 10.480 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:204 Resp: 514546

Ion	Ratio	Lower	Upper
204	100		
206	32.6	25.5	38.3
141	58.4	46.4	69.6

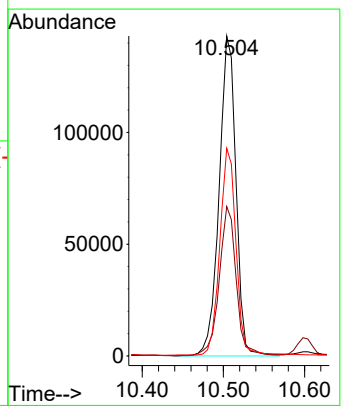


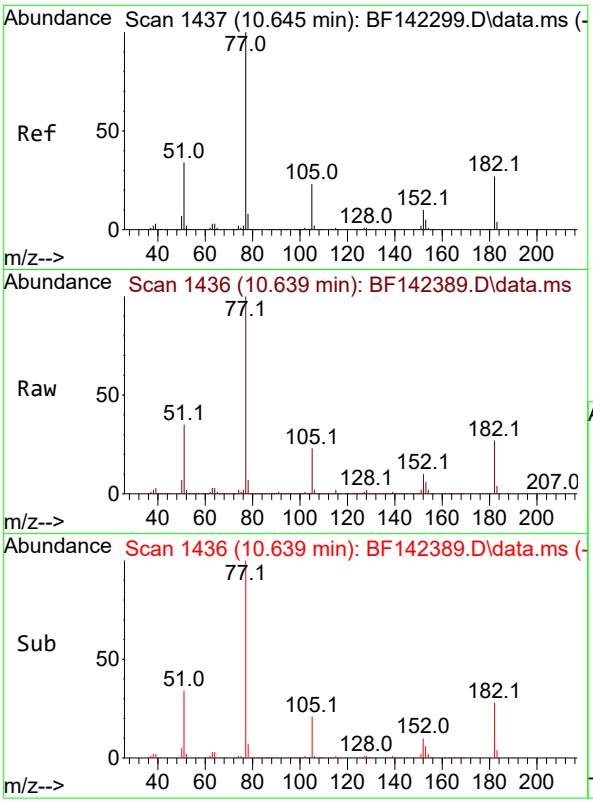


#62
4-Nitroaniline
Concen: 51.876 ng
RT: 10.504 min Scan# 1413
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:138 Resp: 207168

Ion	Ratio	Lower	Upper
138	100		
92	46.7	27.3	67.3
108	64.9	45.1	85.1



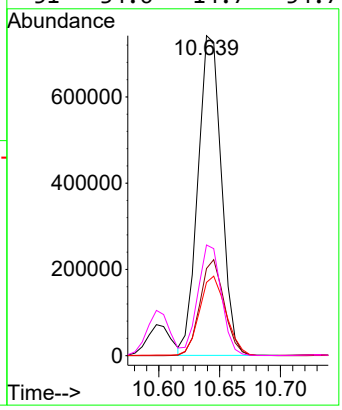


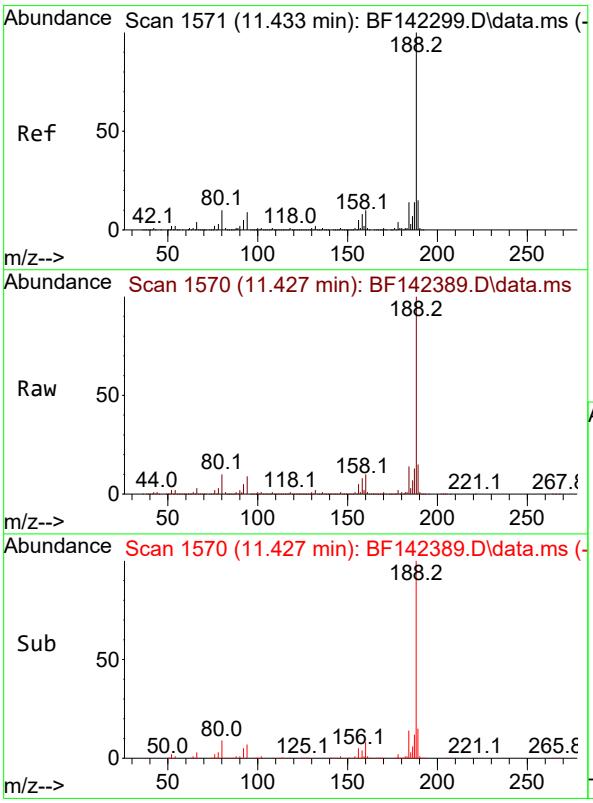
#63
Azobenzene
Concen: 45.468 ng
RT: 10.639 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion: 77 Resp: 995905

Ion	Ratio	Lower	Upper
77	100		
182	27.3	6.9	46.9
105	22.9	2.7	42.7
51	34.6	14.7	54.7

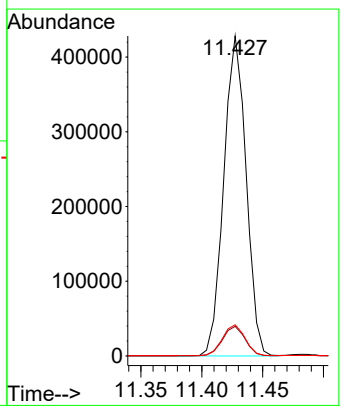


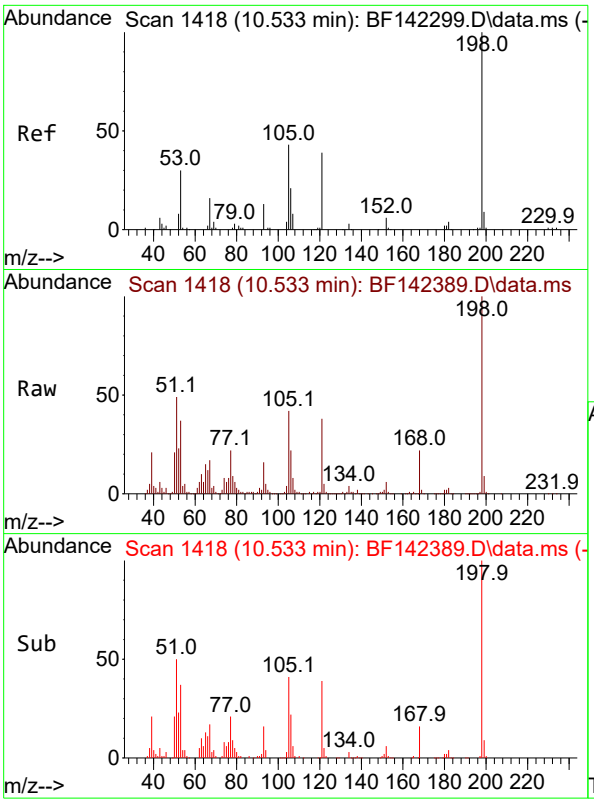


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:188 Resp: 546787

Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.5	11.3
80	9.8	7.9	11.9



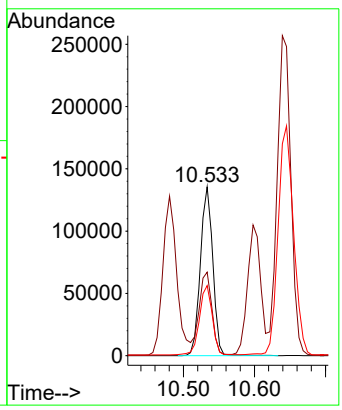


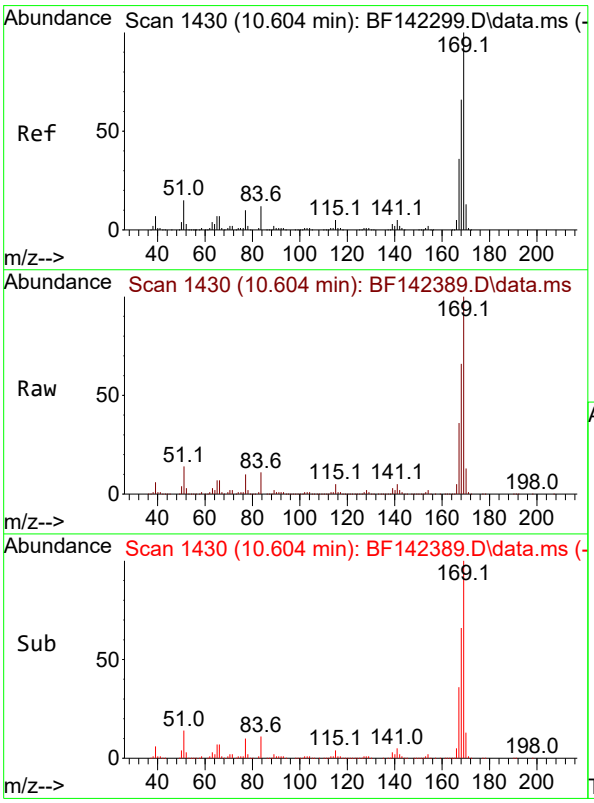
#65
4,6-Dinitro-2-methylphenol
Concen: 62.409 ng
RT: 10.533 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:198 Resp: 165536

Ion	Ratio	Lower	Upper
198	100		
51	49.5	32.9	72.9
105	41.5	23.7	63.7

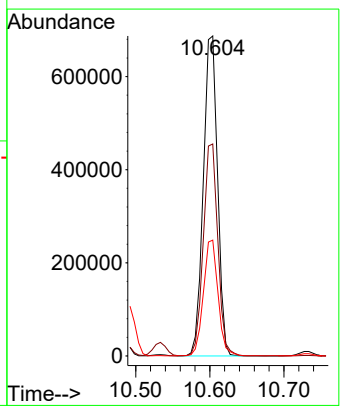


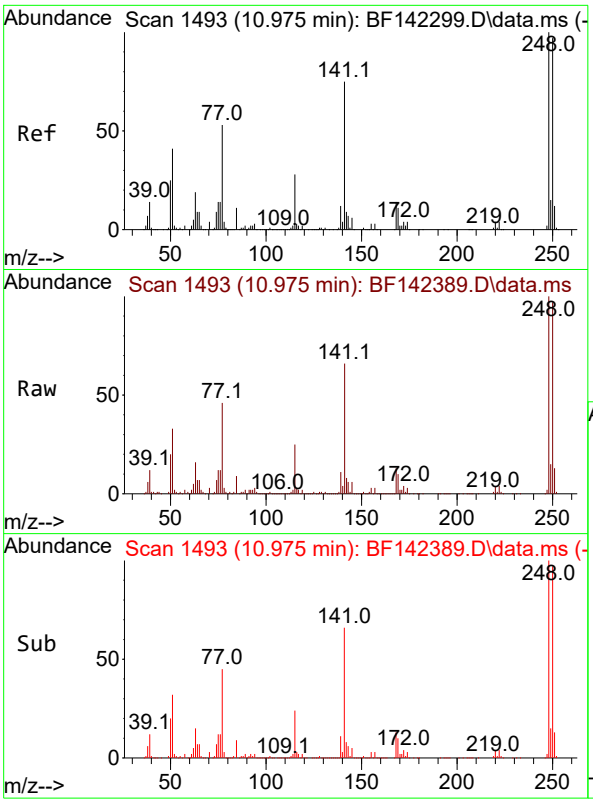


#66
n-Nitrosodiphenylamine
Concen: 50.347 ng
RT: 10.604 min Scan# 1430
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:169 Resp: 916055

Ion	Ratio	Lower	Upper
169	100		
168	66.3	53.2	79.8
167	36.2	28.9	43.3



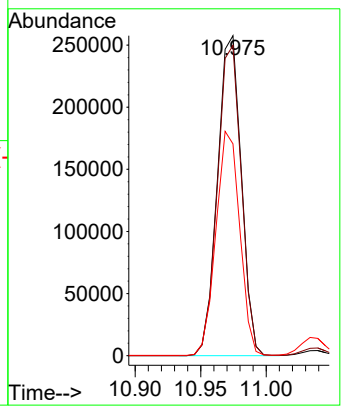


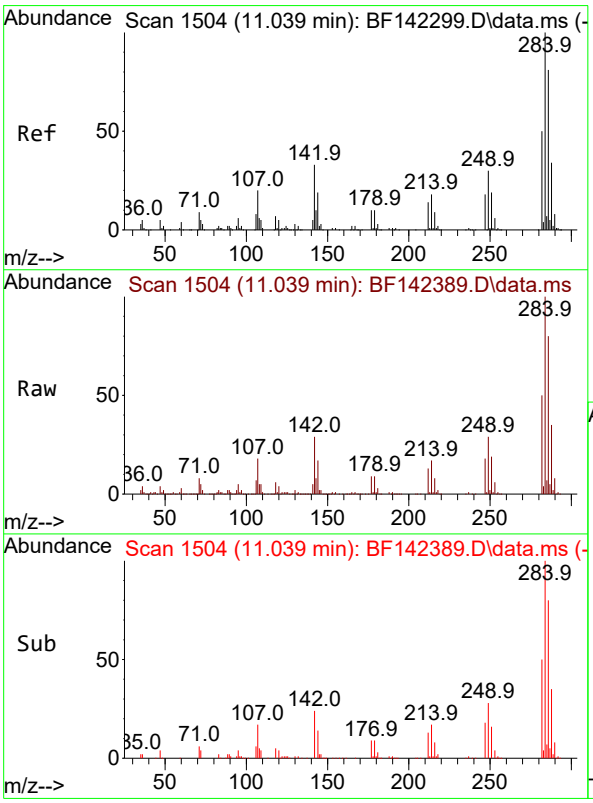
#67
4-Bromophenyl-phenylether
Concen: 52.554 ng
RT: 10.975 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:248 Resp: 325670

Ion	Ratio	Lower	Upper
248	100		
250	97.0	77.9	116.9
141	66.2	59.8	89.8

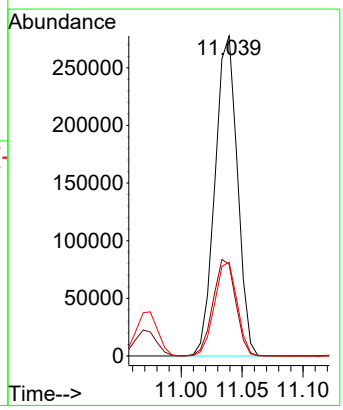


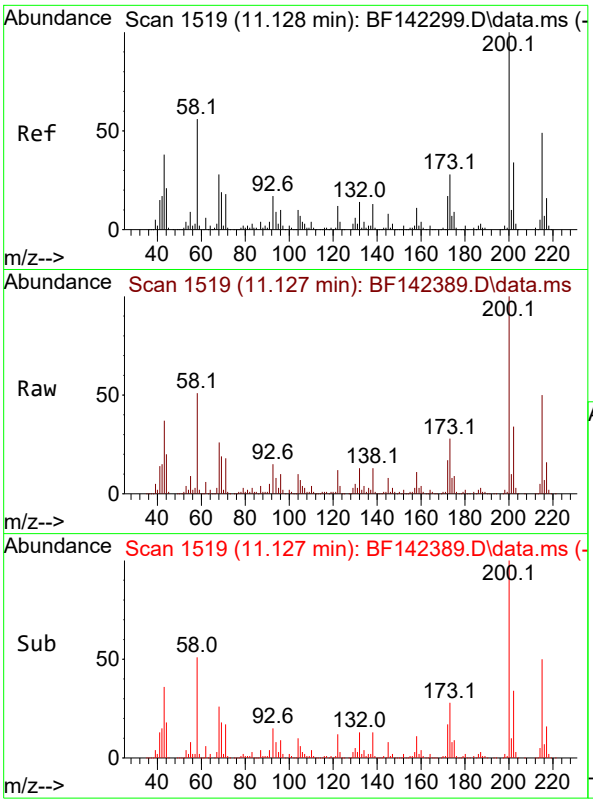


#68
Hexachlorobenzene
Concen: 52.158 ng
RT: 11.039 min Scan# 1504
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:284 Resp: 355537

Ion	Ratio	Lower	Upper
284	100		
142	28.6	26.6	39.8
249	29.3	24.1	36.1



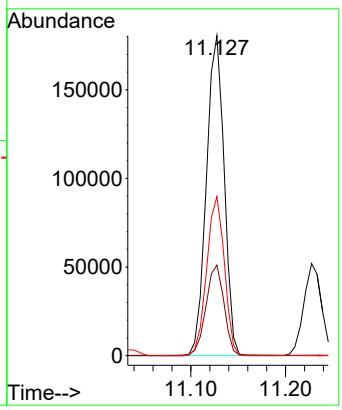


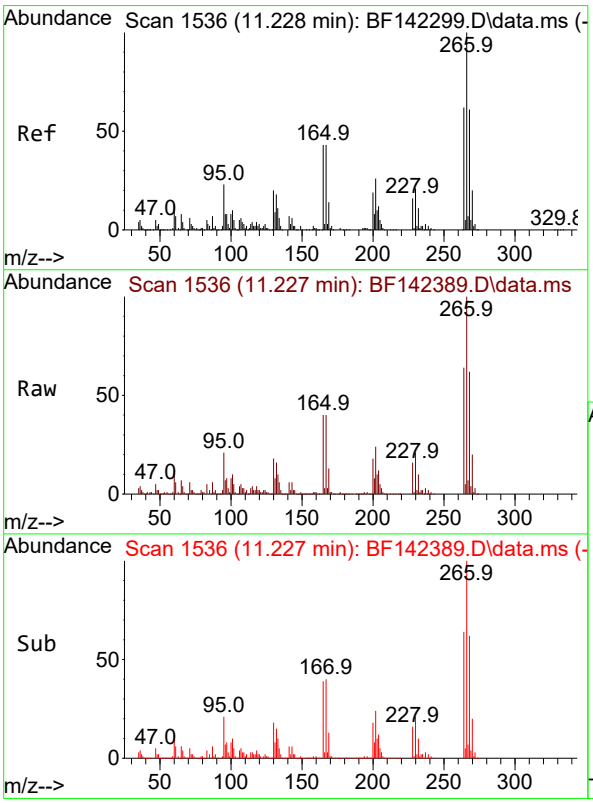
#69
Atrazine
Concen: 49.027 ng
RT: 11.127 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:200 Resp: 235144

Ion	Ratio	Lower	Upper
200	100		
173	28.3	8.1	48.1
215	49.7	28.8	68.8

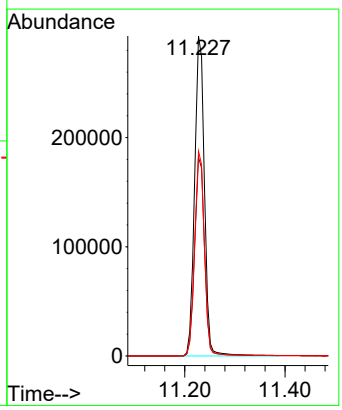


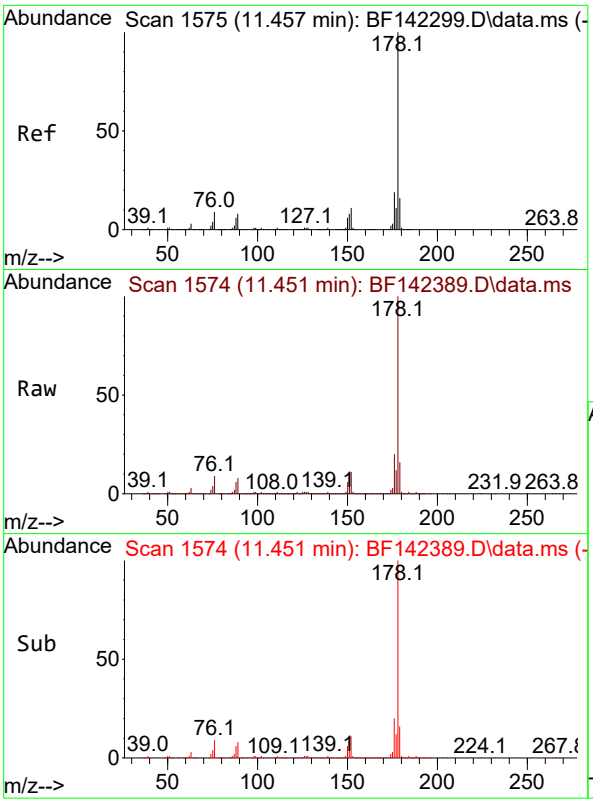


#70
Pentachlorophenol
Concen: 110.768 ng
RT: 11.227 min Scan# 1536
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:266 Resp: 397210

Ion	Ratio	Lower	Upper
266	100		
268	62.1	48.7	73.1
264	64.0	49.8	74.6



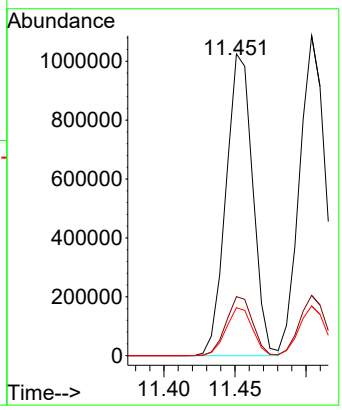


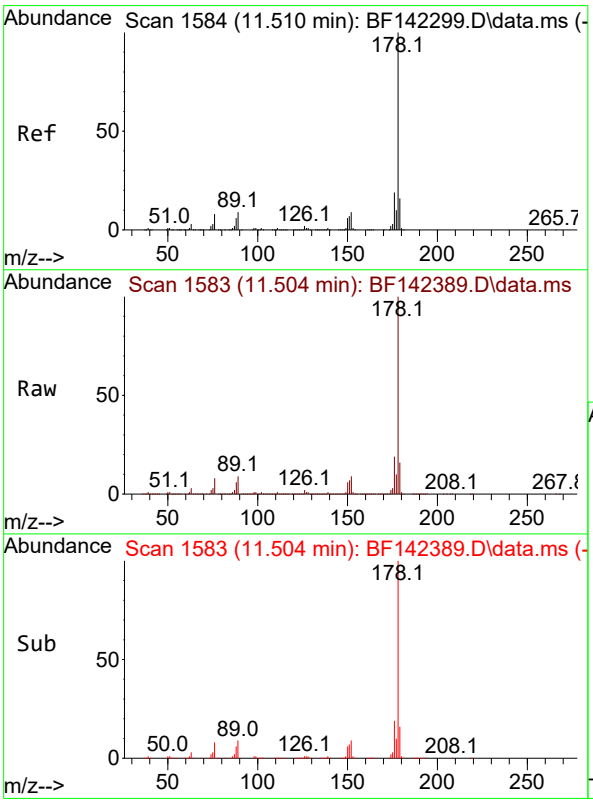
#71
Phenanthrene
Concen: 46.908 ng
RT: 11.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:178 Resp: 1344429

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.5	23.3
179	15.9	12.6	18.8

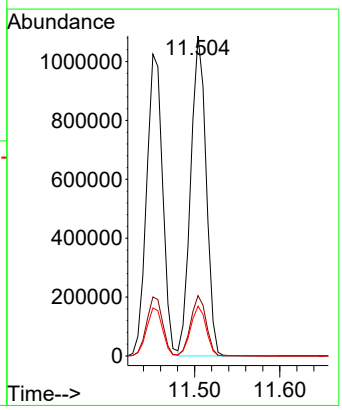


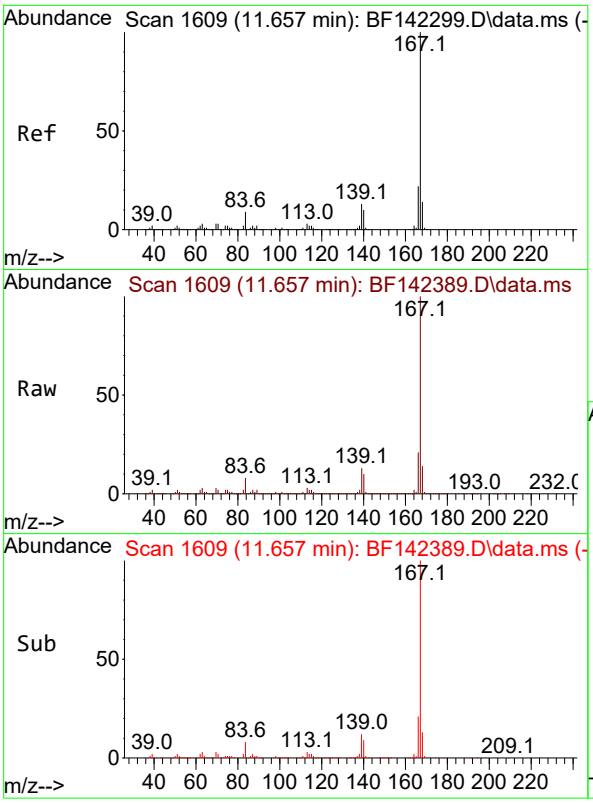


#72
Anthracene
Concen: 46.389 ng
RT: 11.504 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:178 Resp: 1366126

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	15.6	12.6	18.8



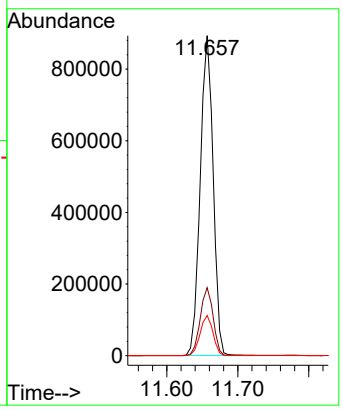


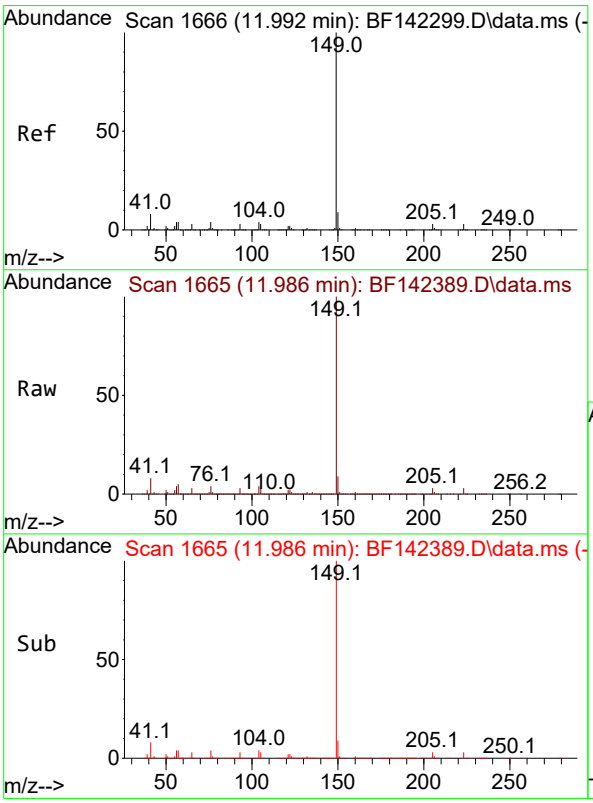
#73
Carbazole
Concen: 42.901 ng
RT: 11.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:167 Resp: 1133485

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.2	25.8
139	12.5	10.3	15.5

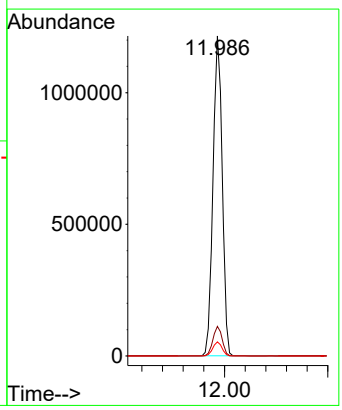


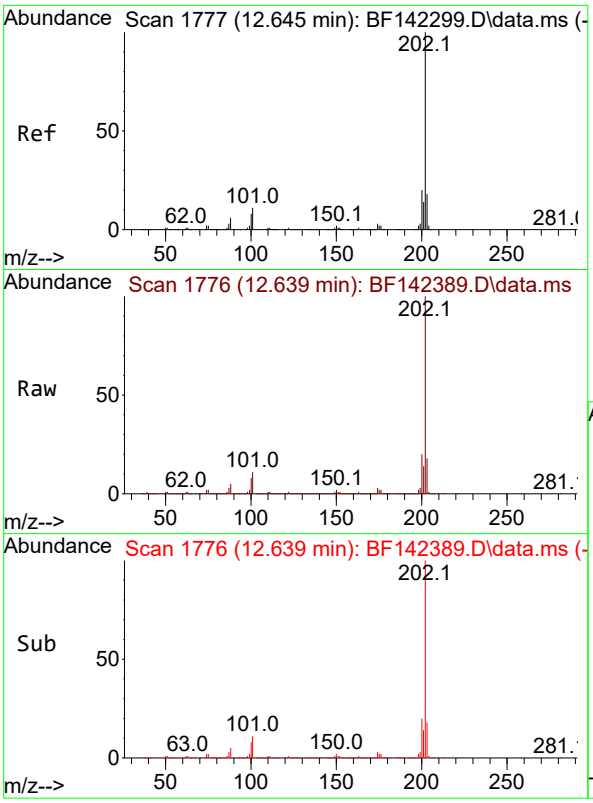


#74
Di-n-butylphthalate
Concen: 54.164 ng
RT: 11.986 min Scan# 1665
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:149 Resp: 1504794

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.5	11.3
104	4.4	3.6	5.4



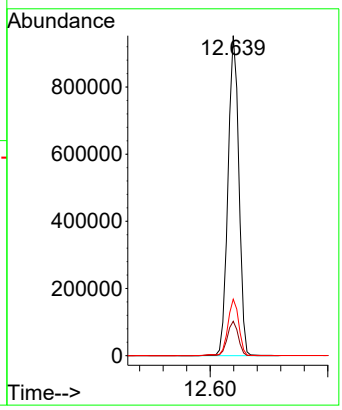


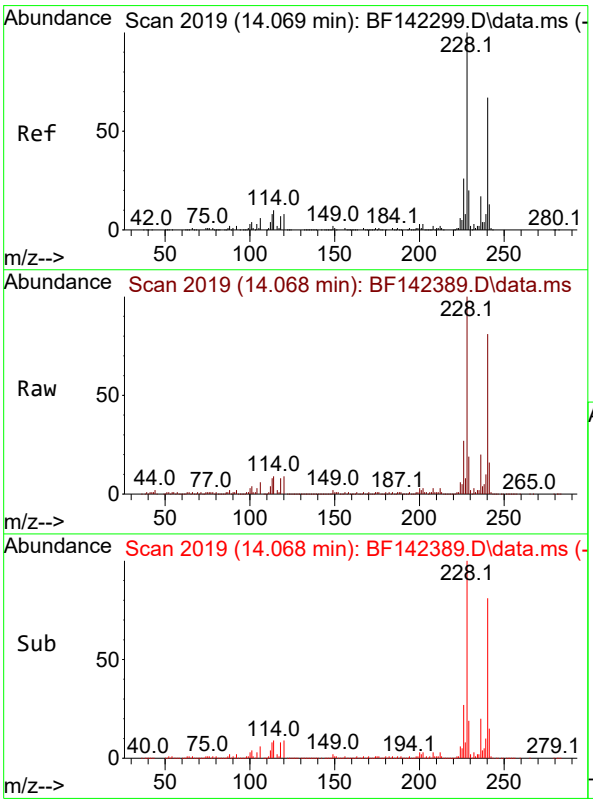
#75
Fluoranthene
Concen: 42.560 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:202 Resp: 1219362

Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	31.4
203	17.6	0.0	37.9

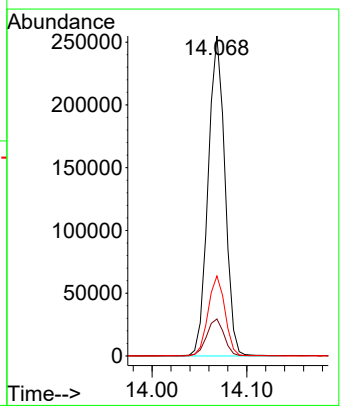


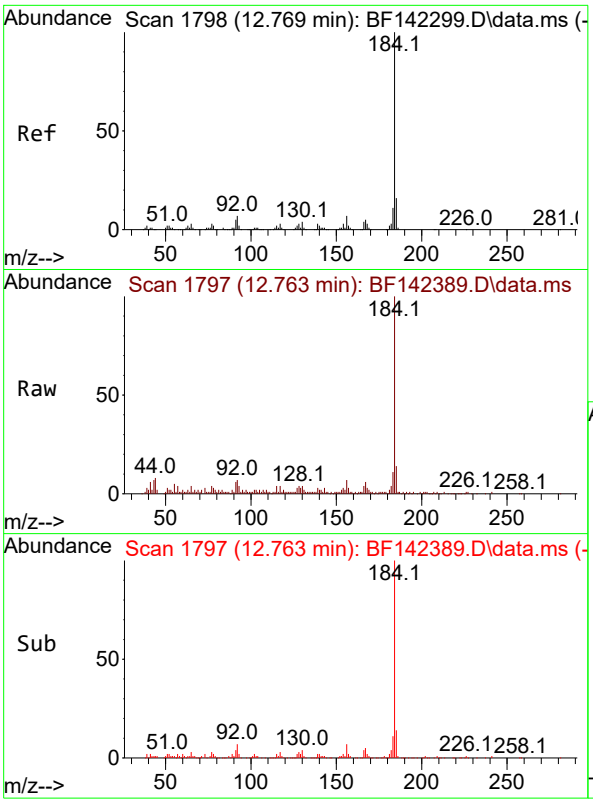


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:240 Resp: 314221

Ion	Ratio	Lower	Upper
240	100		
120	11.6	9.7	14.5
236	25.0	20.0	30.0



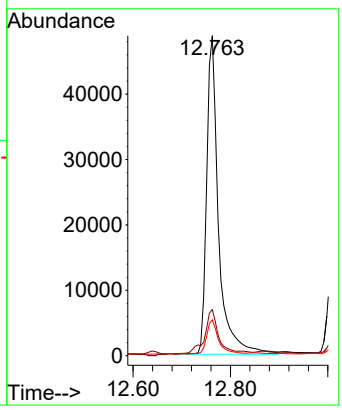


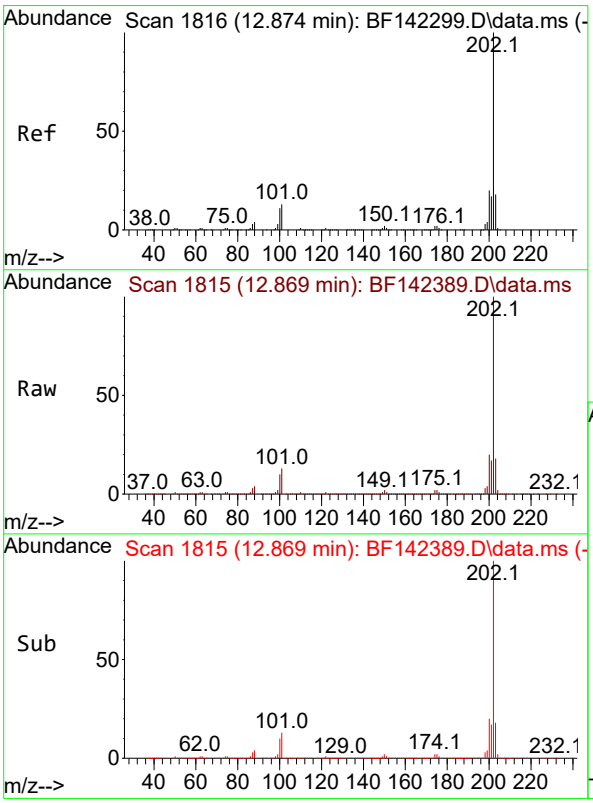
#77
Benzidine
Concen: 14.385 ng
RT: 12.763 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:184 Resp: 82144

Ion	Ratio	Lower	Upper
184	100		
185	14.4	12.6	18.8
183	11.2	8.6	12.8

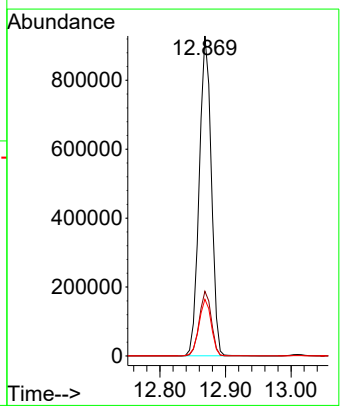


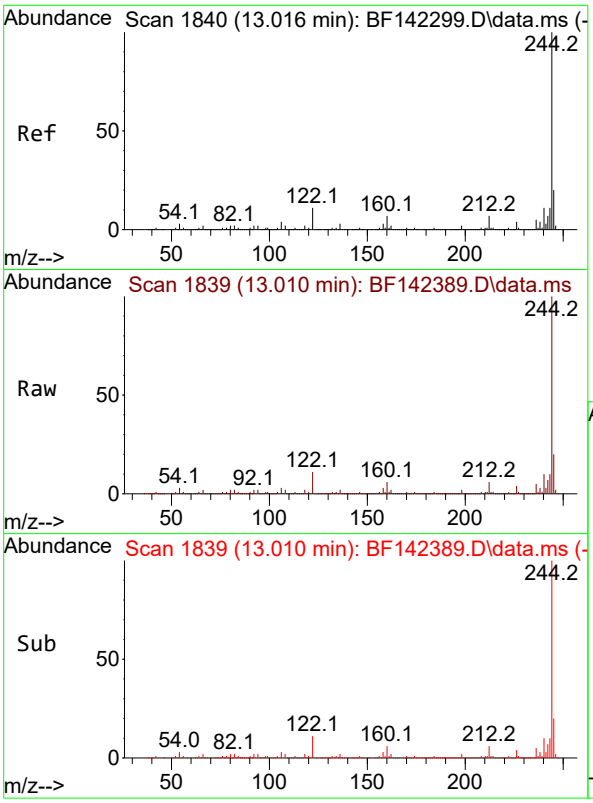


#78
Pyrene
Concen: 42.691 ng
RT: 12.869 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:202 Resp: 1194024

Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.2	24.4
203	17.7	14.3	21.5



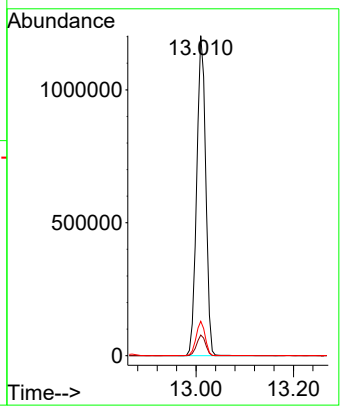


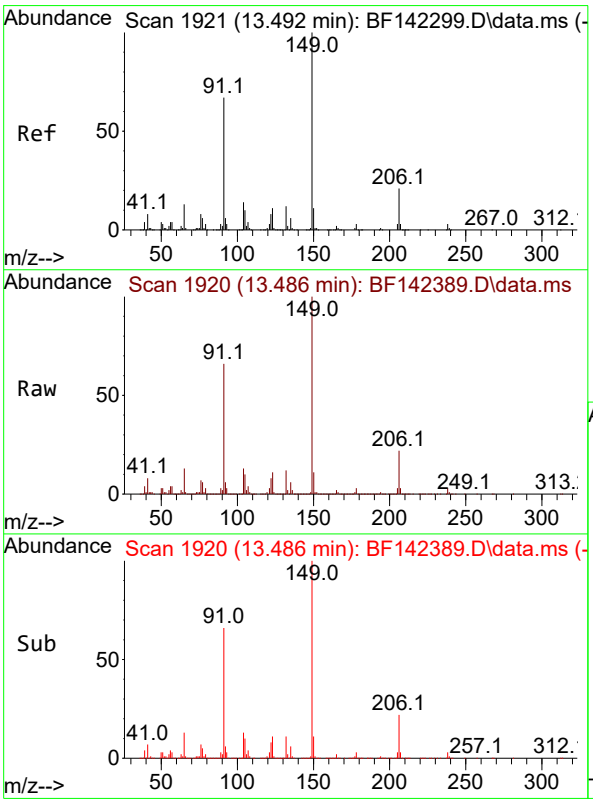
#79
Terphenyl-d14
Concen: 73.516 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:244 Resp: 1560715

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.2
122	10.7	9.0	13.4

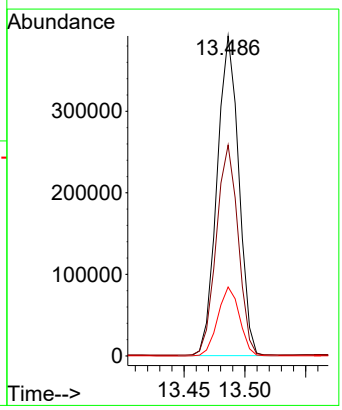


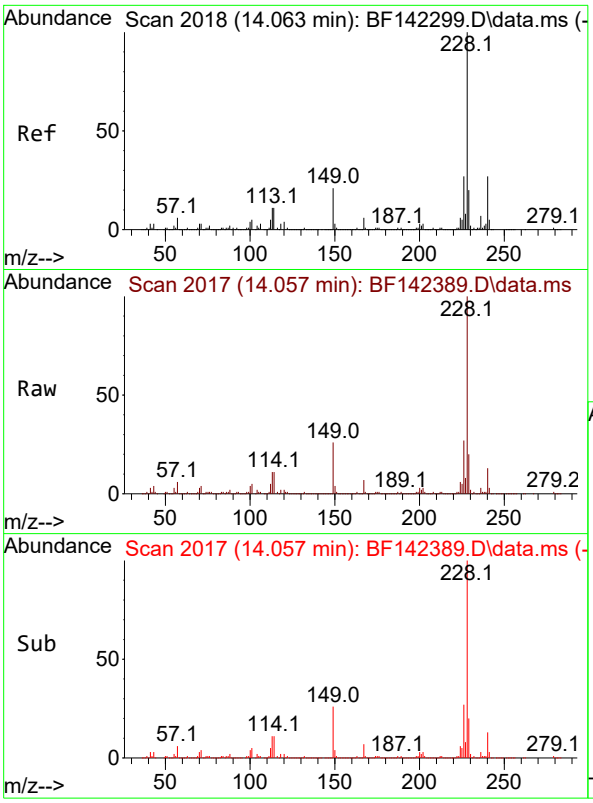


#80
Butylbenzylphthalate
Concen: 58.801 ng
RT: 13.486 min Scan# 1920
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:149 Resp: 487221

Ion	Ratio	Lower	Upper
149	100		
91	65.9	53.8	80.6
206	21.6	16.6	24.8



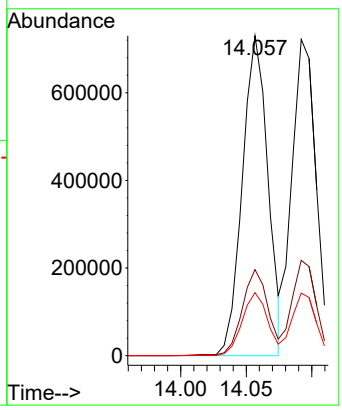


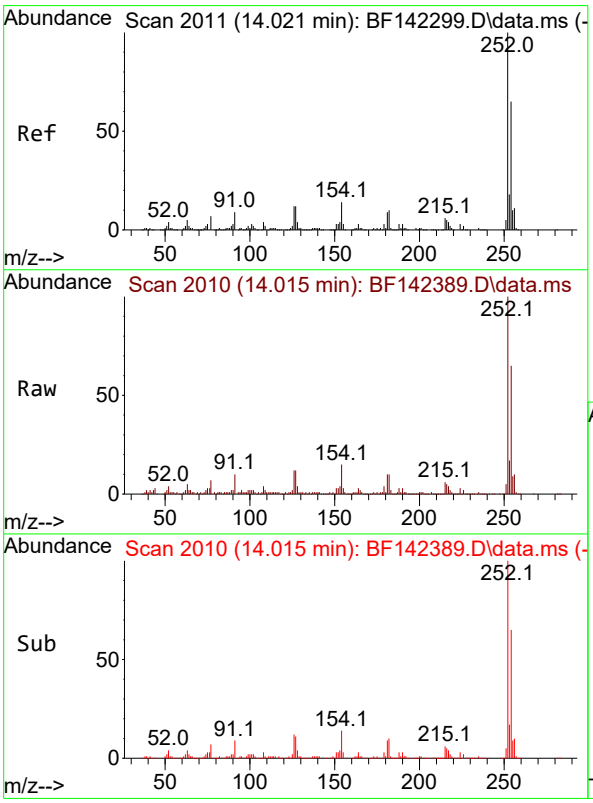
#81
Benzo(a)anthracene
Concen: 48.680 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:228 Resp: 990604

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.5	32.3
229	19.7	15.9	23.9

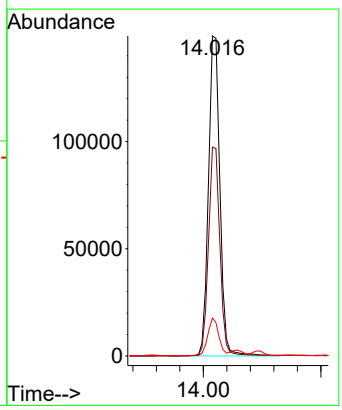


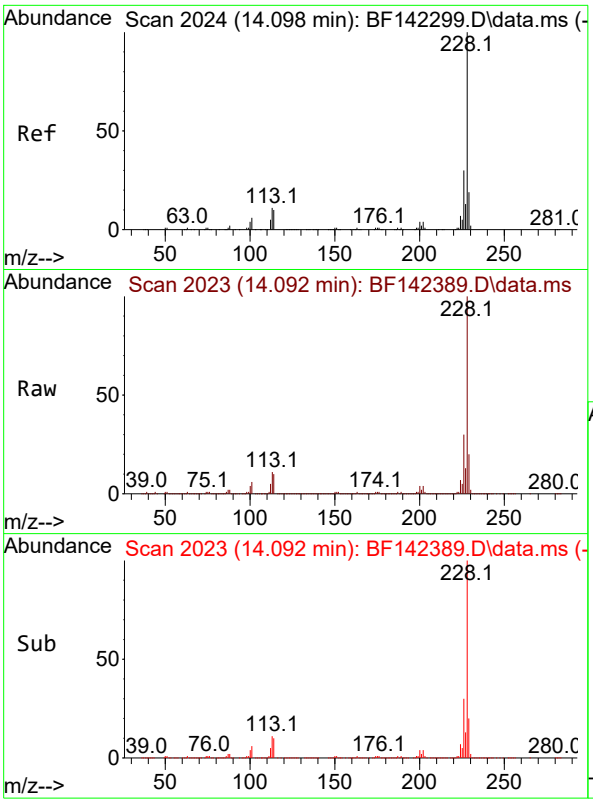


#82
3,3'-Dichlorobenzidine
Concen: 42.804 ng
RT: 14.015 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:252 Resp: 202558

Ion	Ratio	Lower	Upper
252	100		
254	65.2	52.0	78.0
126	11.8	9.7	14.5



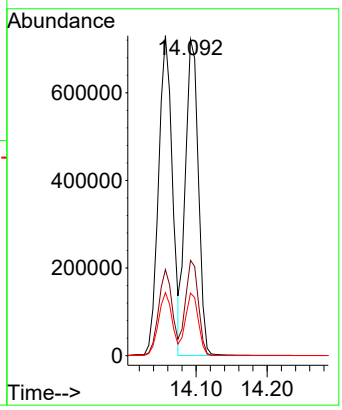


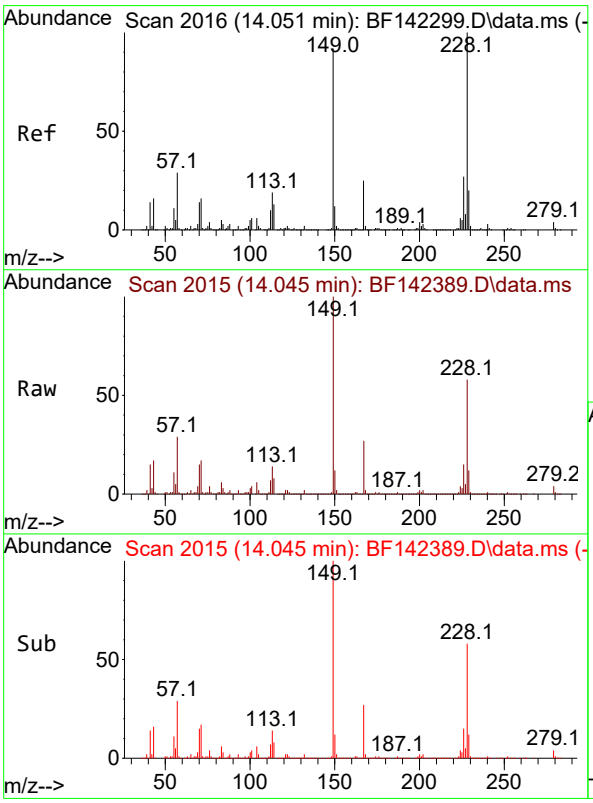
#83
Chrysene
Concen: 48.508 ng
RT: 14.092 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:228 Resp: 918925

Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.9	35.9
229	19.8	15.4	23.2

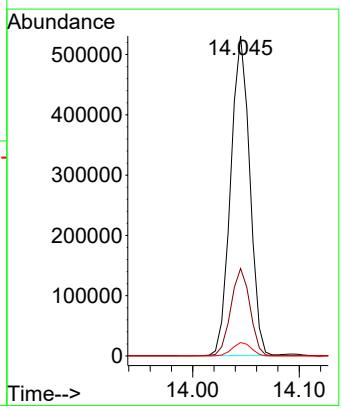


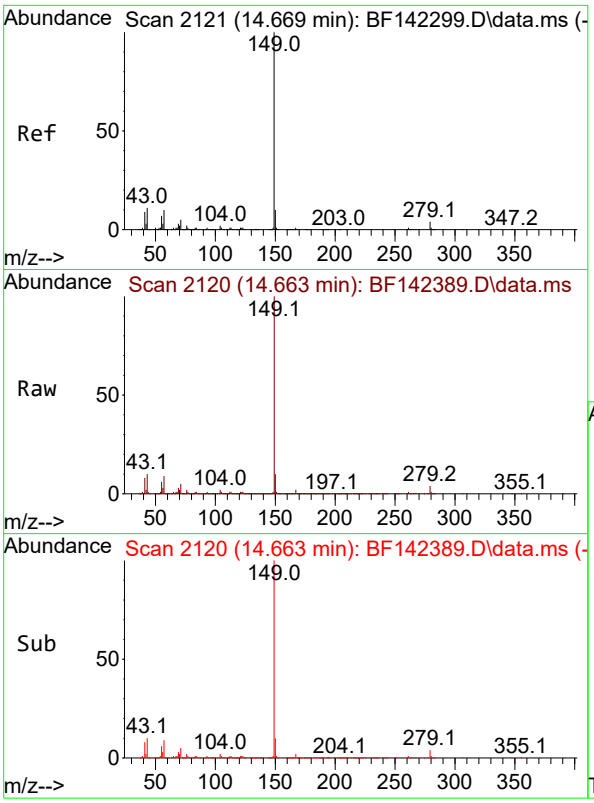


#84
Bis(2-ethylhexyl)phthalate
Concen: 60.948 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:149 Resp: 661166

Ion	Ratio	Lower	Upper
149	100		
167	27.3	22.0	33.0
279	4.2	3.0	4.6



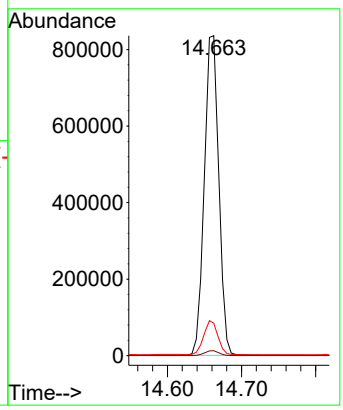


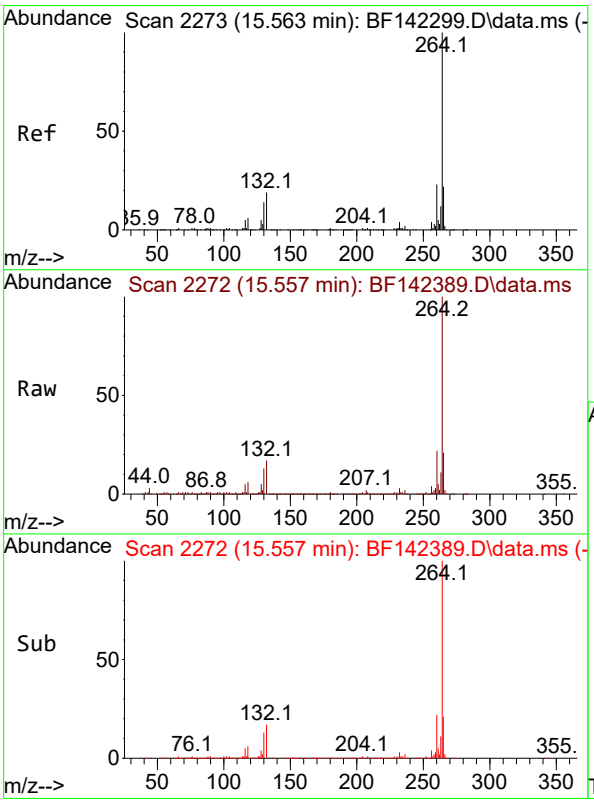
#85
Di-n-octyl phthalate
Concen: 57.300 ng
RT: 14.663 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:149 Resp: 1132929

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	10.3	9.2	13.8

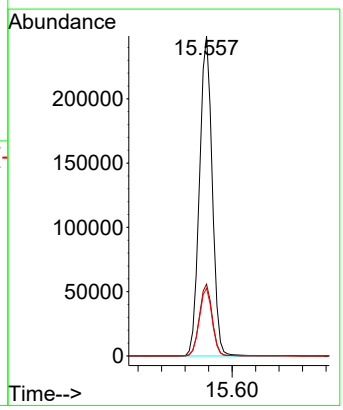


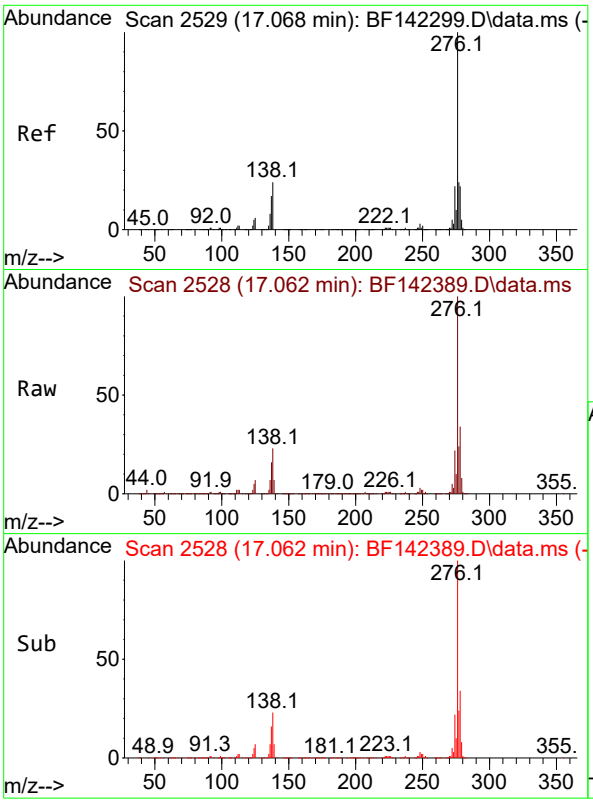


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2272
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:264 Resp: 374057

Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.6	27.8
265	21.2	17.5	26.3



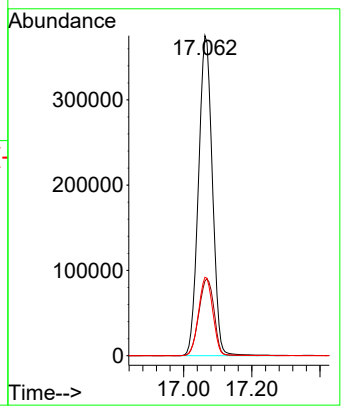


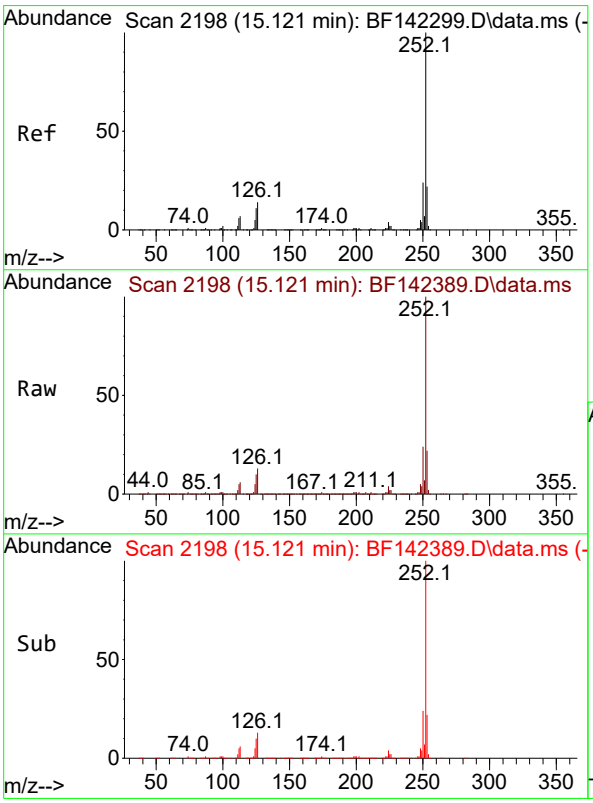
#87
Indeno(1,2,3-cd)pyrene
Concen: 40.822 ng
RT: 17.062 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:276 Resp: 1062226

Ion	Ratio	Lower	Upper
276	100		
138	26.1	22.0	33.0
277	25.2	20.1	30.1

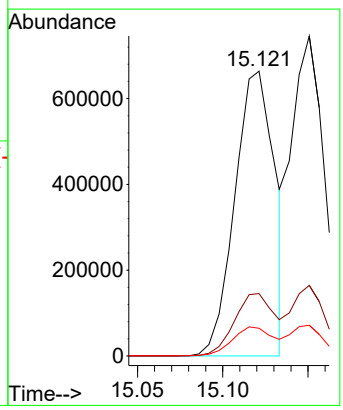


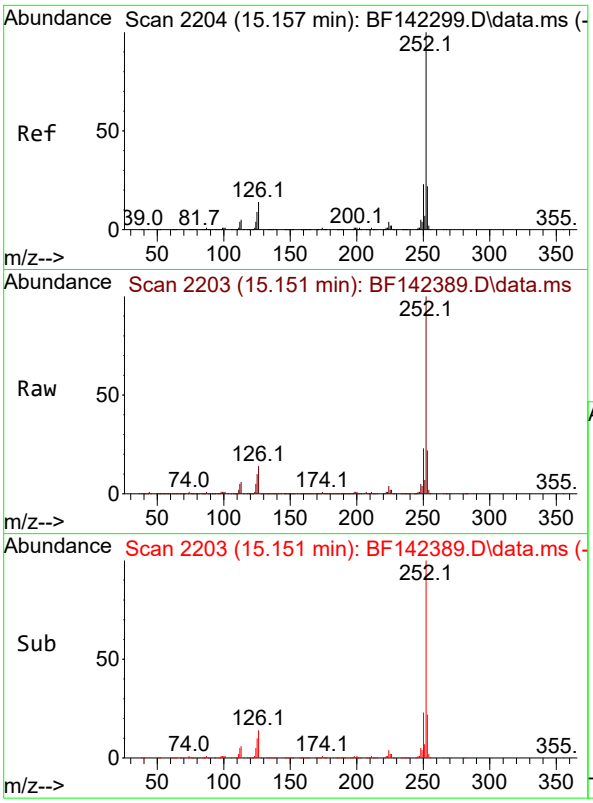


#88
Benzo(b)fluoranthene
Concen: 47.563 ng
RT: 15.121 min Scan# 2198
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:252 Resp: 1077537

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	9.7	8.7	13.1



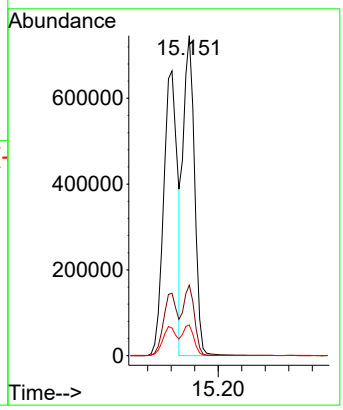


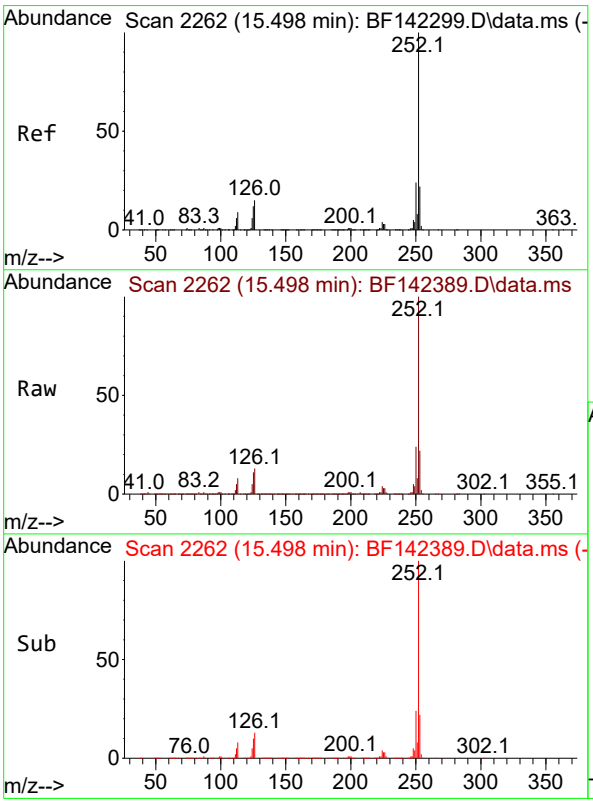
#89
Benzo(k)fluoranthene
Concen: 48.525 ng
RT: 15.151 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:252 Resp: 1006024

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	9.6	8.1	12.1

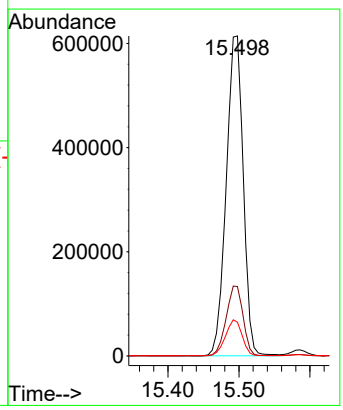


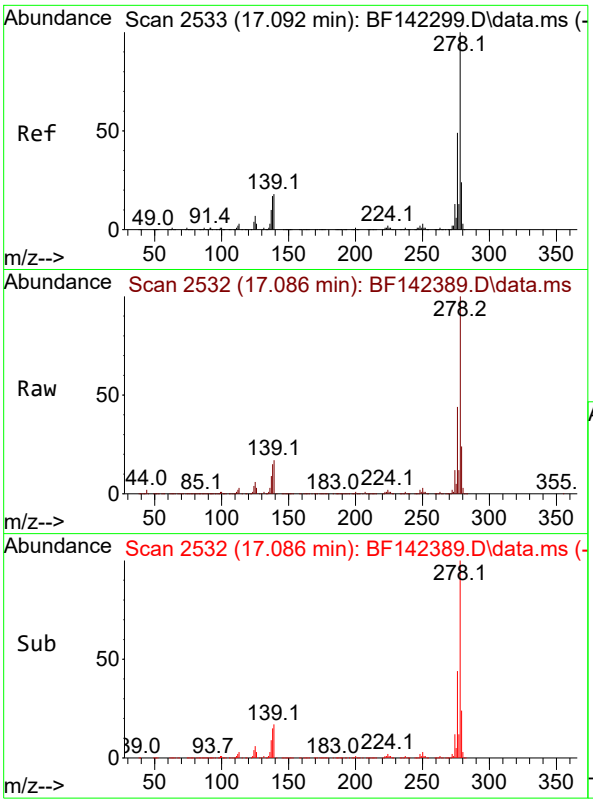


#90
Benzo(a)pyrene
Concen: 50.310 ng
RT: 15.498 min Scan# 2262
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:252 Resp: 1021358

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.6
125	10.6	9.4	14.0



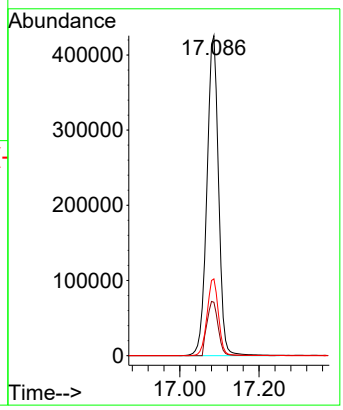


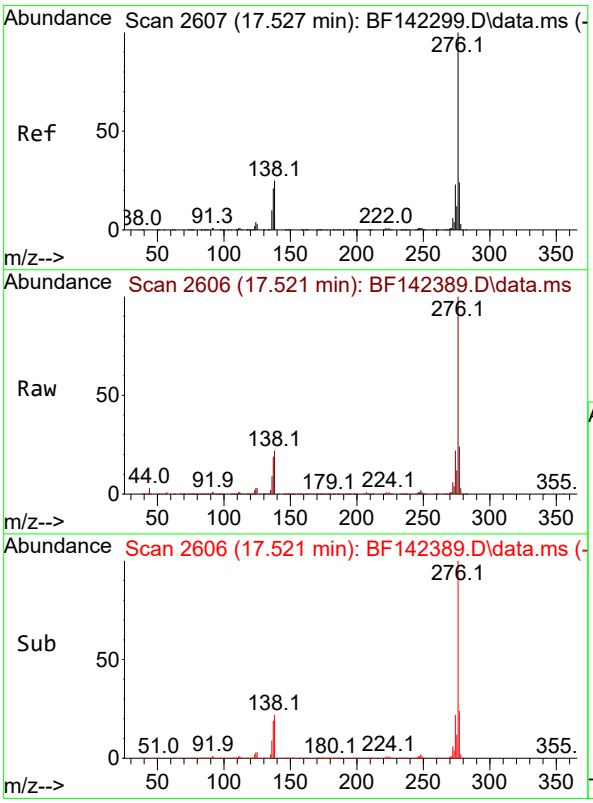
#91
Dibenzo(a,h)anthracene
Concen: 40.405 ng
RT: 17.086 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:278 Resp: 868581

Ion	Ratio	Lower	Upper
278	100		
139	16.7	14.5	21.7
279	24.0	18.9	28.3

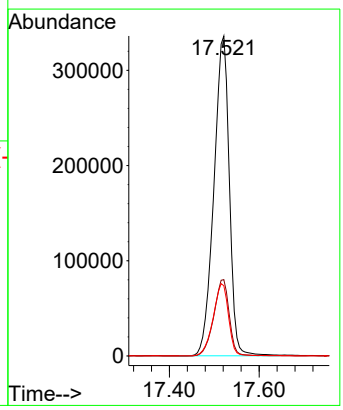




#92
Benzo(g,h,i)perylene
Concen: 37.770 ng
RT: 17.521 min Scan# 2606
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:276 Resp: 805852

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.0	28.6
138	21.9	19.8	29.6



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

Manual Integration Report

Sequence:	bf050525	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BF142296.D	4-Chloroaniline	Rahul	5/6/2025 9:54:09 AM	Jagrut	5/6/2025 10:53:06 AM	Peak Integrated by Software
SSTDICC005	BF142296.D	bis(2-Chloroethyl)ether	Rahul	5/6/2025 9:54:09 AM	Jagrut	5/6/2025 10:53:06 AM	Peak Integrated by Software
SSTDICC005	BF142296.D	Pyridine	Rahul	5/6/2025 9:54:09 AM	Jagrut	5/6/2025 10:53:06 AM	Peak Integrated by Software
SSTDICC010	BF142297.D	4-Chloroaniline	Rahul	5/6/2025 9:54:13 AM	Jagrut	5/6/2025 10:53:10 AM	Peak Integrated by Software
SSTDICC010	BF142297.D	Benzoic acid	Rahul	5/6/2025 9:54:13 AM	Jagrut	5/6/2025 10:53:10 AM	Peak Integrated by Software
SSTDICC010	BF142297.D	bis(2-Chloroethyl)ether	Rahul	5/6/2025 9:54:13 AM	Jagrut	5/6/2025 10:53:10 AM	Peak Integrated by Software
SSTDICC020	BF142298.D	4-Chloroaniline	Rahul	5/6/2025 9:54:17 AM	Jagrut	5/6/2025 10:53:16 AM	Peak Integrated by Software
SSTDICC020	BF142298.D	Benzoic acid	Rahul	5/6/2025 9:54:17 AM	Jagrut	5/6/2025 10:53:16 AM	Peak Integrated by Software
SSTDICCC040	BF142299.D	4-Chloroaniline	Rahul	5/6/2025 9:54:21 AM	Jagrut	5/6/2025 10:53:20 AM	Peak Integrated by Software
SSTDICCC040	BF142299.D	bis(2-Chloroethyl)ether	Rahul	5/6/2025 9:54:21 AM	Jagrut	5/6/2025 10:53:20 AM	Peak Integrated by Software
SSTDICCC040	BF142299.D	Phenol	Rahul	5/6/2025 9:54:21 AM	Jagrut	5/6/2025 10:53:20 AM	Peak Integrated by Software
SSTDICC050	BF142300.D	4-Chloroaniline	Rahul	5/6/2025 9:54:25 AM	Jagrut	5/6/2025 10:53:28 AM	Peak Integrated by Software
SSTDICC050	BF142300.D	Benzoic acid	Rahul	5/6/2025 9:54:25 AM	Jagrut	5/6/2025 10:53:28 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	bf050525	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC050	BF142300.D	bis(2-Chloroethyl)ether	Rahul	5/6/2025 9:54:25 AM	Jagrut	5/6/2025 10:53:28 AM	Peak Integrated by Software
SSTDICC050	BF142300.D	Phenol	Rahul	5/6/2025 9:54:25 AM	Jagrut	5/6/2025 10:53:28 AM	Peak Integrated by Software
SSTDICC060	BF142301.D	4-Chloroaniline	Rahul	5/6/2025 9:54:28 AM	Jagrut	5/6/2025 10:53:32 AM	Peak Integrated by Software
SSTDICC060	BF142301.D	Benzoic acid	Rahul	5/6/2025 9:54:28 AM	Jagrut	5/6/2025 10:53:32 AM	Peak Integrated by Software
SSTDICC060	BF142301.D	bis(2-Chloroethyl)ether	Rahul	5/6/2025 9:54:28 AM	Jagrut	5/6/2025 10:53:32 AM	Peak Integrated by Software
SSTDICC060	BF142301.D	Phenol	Rahul	5/6/2025 9:54:28 AM	Jagrut	5/6/2025 10:53:32 AM	Peak Integrated by Software
SSTDICC080	BF142302.D	4-Chloroaniline	Rahul	5/6/2025 9:54:34 AM	Jagrut	5/6/2025 10:53:38 AM	Peak Integrated by Software
SSTDICC080	BF142302.D	Benzoic acid	Rahul	5/6/2025 9:54:34 AM	Jagrut	5/6/2025 10:53:38 AM	Peak Integrated by Software
SSTDICC080	BF142302.D	bis(2-Chloroethyl)ether	Rahul	5/6/2025 9:54:34 AM	Jagrut	5/6/2025 10:53:38 AM	Peak Integrated by Software
SSTDICC080	BF142302.D	Caprolactam	Rahul	5/6/2025 9:54:34 AM	Jagrut	5/6/2025 10:53:38 AM	Peak Integrated by Software
SSTDICC080	BF142302.D	Phenol	Rahul	5/6/2025 9:54:34 AM	Jagrut	5/6/2025 10:53:38 AM	Peak Integrated by Software
SSTDICV040	BF142303.D	4-Chloroaniline	Rahul	5/6/2025 9:54:37 AM	Jagrut	5/6/2025 10:53:42 AM	Peak Integrated by Software
SSTDICV040	BF142303.D	Benzoic acid	Rahul	5/6/2025 9:54:37 AM	Jagrut	5/6/2025 10:53:42 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	bf050525	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICV040	BF142303.D	bis(2-Chloroethyl)ether	Rahul	5/6/2025 9:54:37 AM	Jagrut	5/6/2025 10:53:42 AM	Peak Integrated by Software
SSTDICV040	BF142303.D	Phenol	Rahul	5/6/2025 9:54:37 AM	Jagrut	5/6/2025 10:53:42 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BF051525	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF142384.D	4-Chloroaniline	Rahul	5/16/2025 12:18:47 PM	Jagrut	5/16/2025 5:46:51 PM	Peak Integrated by Software
PB167951BS	BF142386.D	4-Chloroaniline	Rahul	5/16/2025 12:18:50 PM	Jagrut	5/16/2025 5:47:00 PM	Peak Integrated by Software
PB167951BS	BF142386.D	Caprolactam	Rahul	5/16/2025 12:18:50 PM	Jagrut	5/16/2025 5:47:00 PM	Peak Integrated by Software
Q1993-02MS	BF142388.D	4-Chloroaniline	Rahul	5/16/2025 12:18:53 PM	Jagrut	5/16/2025 5:47:03 PM	Peak Integrated by Software
Q1993-03MSD	BF142389.D	4-Chloroaniline	Rahul	5/16/2025 12:18:56 PM	Jagrut	5/16/2025 5:47:05 PM	Peak Integrated by Software
Q1993-03MSD	BF142389.D	Caprolactam	Rahul	5/16/2025 12:18:56 PM	Jagrut	5/16/2025 5:47:05 PM	Peak Integrated by Software

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF050525

Review By	Rahul	Review On	5/6/2025 9:56:17 AM				
Supervise By	Jagrut	Supervise On	5/6/2025 10:53:56 AM				
SubDirectory	BF050525	HP Acquire Method	BNA_F		HP Processing Method	bf050525	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12662,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142294.D	05 May 2025 13:24	RC/JU	Ok
2	SSTDICC2.5	BF142295.D	05 May 2025 13:54	RC/JU	Ok
3	SSTDICC005	BF142296.D	05 May 2025 14:23	RC/JU	Ok,M
4	SSTDICC010	BF142297.D	05 May 2025 14:52	RC/JU	Ok,M
5	SSTDICC020	BF142298.D	05 May 2025 15:21	RC/JU	Ok,M
6	SSTDICCC040	BF142299.D	05 May 2025 15:50	RC/JU	Ok,M
7	SSTDICC050	BF142300.D	05 May 2025 16:18	RC/JU	Ok,M
8	SSTDICC060	BF142301.D	05 May 2025 16:47	RC/JU	Ok,M
9	SSTDICC080	BF142302.D	05 May 2025 17:15	RC/JU	Ok,M
10	SSTDICV040	BF142303.D	05 May 2025 18:13	RC/JU	Ok,M
11	PB167836BL	BF142304.D	05 May 2025 18:41	RC/JU	Not Ok

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF051525

Review By	Rahul	Review On	5/16/2025 2:19:49 PM				
Supervise By	Jagrut	Supervise On	5/16/2025 5:48:19 PM				
SubDirectory	BF051525	HP Acquire Method	BNA_F		HP Processing Method	bf050525	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12664,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF142383.D	15 May 2025 09:09	RC/JU	Ok
2	SSTDCCC040	BF142384.D	15 May 2025 10:08	RC/JU	Ok,M
3	PB167951BL	BF142385.D	15 May 2025 10:37	RC/JU	Ok
4	PB167951BS	BF142386.D	15 May 2025 11:06	RC/JU	Ok,M
5	Q1985-01	BF142387.D	15 May 2025 11:49	RC/JU	Ok
6	Q1993-02MS	BF142388.D	15 May 2025 12:18	RC/JU	Ok,M
7	Q1993-03MSD	BF142389.D	15 May 2025 12:47	RC/JU	Ok,M
8	Q1983-07	BF142390.D	15 May 2025 13:24	RC/JU	Ok,M
9	SSTDCCC040	BF142391.D	15 May 2025 13:58	RC/JU	Ok
10	DFTPP	BF142392.D	15 May 2025 14:27	RC/JU	Ok
11	SSTDCCC040	BF142393.D	15 May 2025 15:41	RC/JU	Ok
12	PB167953BL	BF142394.D	15 May 2025 16:10	RC/JU	Ok
13	Q2023-01	BF142395.D	15 May 2025 16:43	RC/JU	Ok
14	Q2022-01	BF142396.D	15 May 2025 17:12	RC/JU	Ok
15	Q2010-03	BF142397.D	15 May 2025 17:42	RC/JU	Ok
16	Q2010-04	BF142398.D	15 May 2025 18:11	RC/JU	Ok
17	Q1982-06	BF142399.D	15 May 2025 18:40	RC/JU	Ok
18	Q2022-04	BF142400.D	15 May 2025 19:09	RC/JU	Ok
19	Q2022-04MS	BF142401.D	15 May 2025 19:38	RC/JU	Ok,M
20	Q2022-04MSD	BF142402.D	15 May 2025 20:07	RC/JU	Ok,M
21	Q2014-05	BF142403.D	15 May 2025 20:36	RC/JU	Ok

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF051525

Review By	Rahul	Review On	5/16/2025 2:19:49 PM				
Supervise By	Jagrut	Supervise On	5/16/2025 5:48:19 PM				
SubDirectory	BF051525	HP Acquire Method	BNA_F		HP Processing Method	bf050525	

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12664,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2022-02	BF142404.D	15 May 2025 21:05	RC/JU	Ok,M
23	Q2019-01	BF142405.D	15 May 2025 21:34	RC/JU	Ok
24	Q1982-07	BF142406.D	15 May 2025 22:04	RC/JU	Ok
25	Q2038-01	BF142407.D	15 May 2025 22:33	RC/JU	Dilution
26	Q1982-05	BF142408.D	15 May 2025 23:01	RC/JU	Ok
27	Q2014-01	BF142409.D	15 May 2025 23:31	RC/JU	Ok
28	Q2020-01	BF142410.D	15 May 2025 23:59	RC/JU	Ok
29	Q2024-01	BF142411.D	16 May 2025 00:28	RC/JU	Ok,M
30	Q2010-01	BF142412.D	16 May 2025 00:58	RC/JU	Ok,M
31	Q1982-04	BF142413.D	16 May 2025 01:27	RC/JU	Ok,M
32	Q2039-01	BF142414.D	16 May 2025 01:56	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF050525

Review By	Rahul	Review On	5/6/2025 9:56:17 AM		
Supervise By	Jagrut	Supervise On	5/6/2025 10:53:56 AM		
SubDirectory	BF050525	HP Acquire Method	BNA_F	HP Processing Method	bf050525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12662,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF142294.D	05 May 2025 13:24		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF142295.D	05 May 2025 13:54		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF142296.D	05 May 2025 14:23	Compound#32-54-65-77-85 removed from 5 ppm	RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BF142297.D	05 May 2025 14:52		RC/JU	Ok,M
5	SSTDICC020	SSTDICC020	BF142298.D	05 May 2025 15:21		RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BF142299.D	05 May 2025 15:50	Compound#26-54-65-80-84-85 kept on LR & #32 kept on QR	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BF142300.D	05 May 2025 16:18		RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BF142301.D	05 May 2025 16:47		RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BF142302.D	05 May 2025 17:15	Compound#9 removed from 80 ppm	RC/JU	Ok,M
10	SSTDICV040	ICVBF050525	BF142303.D	05 May 2025 18:13		RC/JU	Ok,M
11	PB167836BL	PB167836BL	BF142304.D	05 May 2025 18:41	Analyzed for contamination check.	RC/JU	Not Ok

M : Manual Integration

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF051525

Review By	Rahul	Review On	5/16/2025 2:19:49 PM		
Supervise By	Jagrut	Supervise On	5/16/2025 5:48:19 PM		
SubDirectory	BF051525	HP Acquire Method	BNA_F	HP Processing Method	bf050525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12664,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF142383.D	15 May 2025 09:09		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF142384.D	15 May 2025 10:08		RC/JU	Ok,M
3	PB167951BL	PB167951BL	BF142385.D	15 May 2025 10:37		RC/JU	Ok
4	PB167951BS	PB167951BS	BF142386.D	15 May 2025 11:06		RC/JU	Ok,M
5	Q1985-01	RW8-BW-20250507	BF142387.D	15 May 2025 11:49		RC/JU	Ok
6	Q1993-02MS	MW-3-20250508MS	BF142388.D	15 May 2025 12:18		RC/JU	Ok,M
7	Q1993-03MSD	MW-3-20250508MSD	BF142389.D	15 May 2025 12:47		RC/JU	Ok,M
8	Q1983-07	OR-636-COMP-02	BF142390.D	15 May 2025 13:24		RC/JU	Ok,M
9	SSTDCCC040	SSTDCCC040EC	BF142391.D	15 May 2025 13:58		RC/JU	Ok
10	DFTPP	DFTPP	BF142392.D	15 May 2025 14:27		RC/JU	Ok
11	SSTDCCC040	SSTDCCC040	BF142393.D	15 May 2025 15:41		RC/JU	Ok
12	PB167953BL	PB167953BL	BF142394.D	15 May 2025 16:10		RC/JU	Ok
13	Q2023-01	HEATER-PAD	BF142395.D	15 May 2025 16:43		RC/JU	Ok
14	Q2022-01	336	BF142396.D	15 May 2025 17:12		RC/JU	Ok
15	Q2010-03	TP-14	BF142397.D	15 May 2025 17:42		RC/JU	Ok
16	Q2010-04	TP-17	BF142398.D	15 May 2025 18:11		RC/JU	Ok
17	Q1982-06	TP-6	BF142399.D	15 May 2025 18:40		RC/JU	Ok
18	Q2022-04	COMP-2	BF142400.D	15 May 2025 19:09		RC/JU	Ok

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF051525

Review By	Rahul	Review On	5/16/2025 2:19:49 PM		
Supervise By	Jagrut	Supervise On	5/16/2025 5:48:19 PM		
SubDirectory	BF051525	HP Acquire Method	BNA_F	HP Processing Method	bf050525

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC	SP6787
Internal Standard/PEM	S12664,10ul/1000ul sample
ICV/I.BLK	SP6770
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2022-04MS	COMP-2MS	BF142401.D	15 May 2025 19:38		RC/JU	Ok,M
20	Q2022-04MSD	COMP-2MSD	BF142402.D	15 May 2025 20:07		RC/JU	Ok,M
21	Q2014-05	MOO-25-0148	BF142403.D	15 May 2025 20:36		RC/JU	Ok
22	Q2022-02	COMP-1	BF142404.D	15 May 2025 21:05		RC/JU	Ok,M
23	Q2019-01	MH-K	BF142405.D	15 May 2025 21:34		RC/JU	Ok
24	Q1982-07	TP-8	BF142406.D	15 May 2025 22:04		RC/JU	Ok
25	Q2038-01	72-11991	BF142407.D	15 May 2025 22:33	Need 5X Dilution	RC/JU	Dilution
26	Q1982-05	TP-5	BF142408.D	15 May 2025 23:01		RC/JU	Ok
27	Q2014-01	MOO-25-0134	BF142409.D	15 May 2025 23:31	Internal Standard Fail	RC/JU	Ok
28	Q2020-01	TP-A	BF142410.D	15 May 2025 23:59		RC/JU	Ok
29	Q2024-01	PL-02-051325	BF142411.D	16 May 2025 00:28		RC/JU	Ok,M
30	Q2010-01	TP-10	BF142412.D	16 May 2025 00:58		RC/JU	Ok,M
31	Q1982-04	TP-4	BF142413.D	16 May 2025 01:27		RC/JU	Ok,M
32	Q2039-01	TR-05-05142025	BF142414.D	16 May 2025 01:56		RC/JU	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB167951

SOP ID:	M3510C,3580A-Extraction SVOC-20				
Clean Up SOP #:	N/A			**Extraction Start Date :**	05/12/2025
Matrix :	Water			**Extraction Start Time :**	08:40
Weigh By:	N/A	**Extraction By:**	RJ	**Extraction End Date :**	05/12/2025
Balance check:	N/A	**Filter By:**	RJ	**Extraction End Time :**	15:25
Balance ID:	N/A	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	E3880	**Hood ID:**	4,5,6,7	**Supervisor By :**	RUPESH

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	SP6782
Surrogate	1.0ML	100/150 PPM	SP6754
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3930
Baked Na2SO4	N/A	EP2611
10N NaoH	N/A	EP2609
H2SO4 1:1	N/A	EP2610
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# 2210443. pH Adjusted<2 with 1:1 H2SO4 &>11 with 10 N NaOH. Q2008 Added at 11:01 AM.

KD Bath ID:	WATER BATH-1,2	**Envap ID:**	NEVAP-02
KD Bath Temperature:	60 °C	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
5/12/25	RS (Ext Lab)	RC/SVOC
15:30	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB167951

Analytical Method: M3510C,3580A-Extraction SVOC-20 **Concentration Date:** 05/12/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB167951BL	SBLK951	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			SEP-1
PB167951BS	SLCS951	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1			2
Q1985-01	RW8-BW-20250507	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1	G		3
Q1993-01	MW-3-20250508	SVOCMS Group1	1000	6	RUPESH	ritesh	1	C		4
Q1993-02	Q1993-01MS	SVOCMS Group1	1000	6	RUPESH	ritesh	1	C		5
Q1993-03	Q1993-01MSD	SVOCMS Group1	1000	6	RUPESH	ritesh	1	C		6
Q1993-04	MW-3-20250508-A	SVOCMS Group1	990	6	RUPESH	ritesh	1	C		7
Q1993-05	MW-2-20250508	SVOCMS Group1	1000	6	RUPESH	ritesh	1	C		8
Q1993-06	MW-1-20250508	SVOCMS Group1	1000	6	RUPESH	ritesh	1	C		9
Q1993-07	MW-4-20250508	SVOCMS Group1	990	6	RUPESH	ritesh	1	C		10
Q1993-08	EB-20250508	SVOCMS Group1	1000	6	RUPESH	ritesh	1	C		11
Q2000-02	38073-040323	SVOCMS Group2	1000	6	RUPESH	ritesh	1			12
Q2005-01	252806	SVOC-TCL BNA -20	1000	6	RUPESH	ritesh	1	N		13
Q2008-01	IDW-AQ-DRUM-633-0509 2025	SVOC-TCL BNA -20	940	2	RUPESH	ritesh	1	F		14

RS 5/12

* **Extracts relinquished on the same date as received.**

167951
8:40

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q1985 **WorkList ID :** 189440 **Department :** Extraction **Date :** 05-12-2025 08:33:11

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q1985-01	RW8-BW-20250507	Water	SVOC-TCL BNA -20	Cool 4 deg C	TETR06	L41	05/07/2025	8270E
Q1993-01	MW-3-20250508	Water	SVOCMS Group1	Cool 4 deg C	PARS02	L51	05/08/2025	8270E
Q1993-02	Q1993-01MS	Water	SVOCMS Group1	Cool 4 deg C	PARS02	L51	05/08/2025	8270E
Q1993-03	Q1993-01MSD	Water	SVOCMS Group1	Cool 4 deg C	PARS02	L51	05/08/2025	8270E
Q1993-04	MW-3-20250508-A	Water	SVOCMS Group1	Cool 4 deg C	PARS02	L51	05/08/2025	8270E
Q1993-05	MW-2-20250508	Water	SVOCMS Group1	Cool 4 deg C	PARS02	L51	05/08/2025	8270E
Q1993-06	MW-1-20250508	Water	SVOCMS Group1	Cool 4 deg C	PARS02	L51	05/08/2025	8270E
Q1993-07	MW-4-20250508	Water	SVOCMS Group1	Cool 4 deg C	PARS02	L51	05/08/2025	8270E
Q1993-08	EB-20250508	Water	SVOCMS Group1	Cool 4 deg C	PARS02	L51	05/08/2025	8270E
Q2000-02	38073-040323	Water	SVOCMS Group2	Cool 4 deg C	ALLI03	QA Of	05/08/2025	8270E
Q2005-01	252806	Water	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	L41	05/09/2025	8270E

Date/Time 5/12/25 8:35
Raw Sample Received by: RJ (Ext Labs)
Raw Sample Relinquished by: [signature]

Date/Time 5/12/25 9:20
Raw Sample Received by: [signature]
Raw Sample Relinquished by: RJ (Ext Labs)

167951

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2008 **WorkList ID :** 189453 **Department :** Extraction **Date :** 05-12-2025 11:01:27

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2008-01	IDW-AQ-DRUM-633-05092025	Water	SVOC-TCL BNA -20	Cool 4 deg C	JACO05	L41	05/09/2025	8270E

Date/Time 5/12/25 11:01
Raw Sample Received by: RS (Ext-lab)
Raw Sample Relinquished by:

Date/Time 5/12/25 11:25
Raw Sample Received by:
Raw Sample Relinquished by: RS (Ext-lab)

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

Prep Standard - Chemical Standard Summary

Order ID : Q1985

Test : SVOC-TCL BNA -20

Prepbatch ID : PB167951,

Sequence ID/Qc Batch ID: BF051525,

Standard ID :
EP2609,EP2610,EP2611,SP6754,SP6757,SP6769,SP6770,SP6782,SP6783,SP6784,SP6785,SP6786,SP6787,SP6788,SP6789,SP6790,SP6791,

Chemical ID :
10ul/1000ul sample,E3551,E3657,E3902,E3904,E3921,E3926,E3930,M6157,S10104,S10399,S10584,S11143,S11162,S11484,S11496,S11650,S11788,S11789,S11790,S11798,S11799,S12115,S12190,S12191,S12192,S12193,S12194,S12195,S12209,S12210,S12211,S12212,S12213,S12214,S12215,S12216,S12271,S12277,S12486,S12488,S12489,S12490,S12491,S12492,S12493,S12494,S12495,S12496,S12534,S12535,S12536,S12537,S12538,S12539,S12540,S12541,S12542,S12577,S12658,S12662,S12664,S12793,S12974,S12976,S12977,S12978,S12979,S12980,S12981,S12982,S12983,S13078,W3112,

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

Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1874	10 N SODIUM HYDROXIDE SOLN	EP2609	05/07/2025	11/07/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 05/07/2025

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	EP2610	05/07/2025	11/07/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 05/07/2025

FROM 1000.00000ml of M6157 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml

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

Extractions STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3923	Baked Sodium Sulfate	EP2611	05/09/2025	07/01/2025	RUPESHKUMAR SHAH	Extraction_SCALE_2 (EX-SC-2)	None	Riteshkumar Patel 05/09/2025

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	SP6754	03/18/2025	09/18/2025	Rahul Chavli	None	None	Jagrut Upadhyay 04/03/2025

FROM 1930.00000ml of E3902 + 2.60000ml of S12216 + 2.70000ml of S12195 + 5.20000ml of S12210 + 5.30000ml of S12192 + 5.30000ml of S12194 + 5.30000ml of S12209 + 5.30000ml of S12211 + 5.30000ml of S12212 + 5.30000ml of S12213 + 5.40000ml of S12190 + 5.40000ml of S12214 + 5.60000ml of S12191 + 5.60000ml of S12215 + 5.70000ml of S12193 = Final Quantity: 2000.000 ml

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

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3895	50 ug/ml DFTPP 8270E	SP6757	03/31/2025	09/30/2025	Rahul Chavli	None	None	Jagrut Upadhyay 04/01/2025

FROM 1.00000ml of S12577 + 19.00000ml of E3904 = Final Quantity: 20.000 ml

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)	SP6769	04/10/2025	09/10/2025	Jagrut Upadhyay	None	None	Sohil Jodhani 04/16/2025

FROM 0.04000ml of S12195 + 0.08000ml of S12216 + 0.10000ml of S11788 + 0.20000ml of S12486 + 0.20000ml of S12534 + 0.20000ml of S12974 + 1.18000ml of E3926 = Final Quantity: 2.000 ml

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

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
416	40 ng BNA ICV, 40 PPM	SP6770	04/10/2025	09/10/2025	Jagrut Upadhyay	None	None	Sohil Jodhani 04/16/2025

FROM 0.01000ml of S12658 + 0.60000ml of E3926 + 0.40000ml of SP6769 = 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	SP6782	04/30/2025	05/31/2025	Rahul Chavli	None	None	Jagrut Upadhyay 05/15/2025

FROM 0.10000ml of S12488 + 0.20000ml of S12534 + 0.20000ml of S12983 + 0.40000ml of S10399 + 0.40000ml of S10584 + 0.40000ml of S11143 + 0.40000ml of S11484 + 0.40000ml of S11650 + 0.50000ml of S12542 + 0.80000ml of S12974 + 1.00000ml of S12496 + 1.10000ml of S11789 + 1.10000ml of S12492 + 1.20000ml of S11799 + 1.20000ml of S12491 + 1.20000ml of S12493 + 1.20000ml of S12976 + 1.20000ml of S12980 + 1.20000ml of S12982 + 1.30000ml of S11798 + 1.30000ml of S12490 + 1.30000ml of S12495 + 1.30000ml of S12535 + 1.30000ml of S12537 + 1.30000ml of S12538 + 1.30000ml of S12540 + 1.30000ml of S12541 + 1.30000ml of S12979 + 1.30000ml of S12981 + 1.40000ml of S11790 + 1.40000ml of S12489 + 1.40000ml of S12494 + 1.40000ml of S12536 + 1.40000ml of S12539 + 1.40000ml of S12977 + 1.40000ml of S12978 + 163.00000ml of E3921 = Final Quantity: 200.000 ml

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

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
3764	8270/625 Stock solution 100 ng	SP6783	05/05/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.26700ml of S10104 + 0.40000ml of S11496 + 0.50000ml of S12115 + 1.00000ml of S11162 + 1.00000ml of S12271 + 1.00000ml of S12277 + 1.00000ml of S12793 + 1.00000ml of S13078 + 3.83300ml of E3930 = 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	SP6784	05/05/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.01000ml of S12662 + 0.20000ml of E3930 + 0.80000ml of SP6783 = Final Quantity: 1.010 ml

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

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
412	60 ng BNA ICC, 60 PPM	SP6785	05/05/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.01000ml of S12662 + 0.40000ml of E3930 + 0.60000ml of SP6783 = 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	SP6786	05/05/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.01000ml of S12662 + 0.50000ml of E3930 + 0.50000ml of SP6783 = Final Quantity: 1.010 ml

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

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
410	40 ng BNA ICC, 40 PPM	SP6787	05/05/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.01000ml of S12662 + 0.60000ml of E3930 + 0.40000ml of SP6783 = 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	SP6788	05/05/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.01000ml of S12662 + 0.80000ml of E3930 + 0.20000ml of SP6783 = Final Quantity: 1.010 ml

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

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
407	5 ng BNA ICC, 5 PPM	SP6789	05/05/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.01000ml of S12662 + 0.95000ml of E3930 + 0.05000ml of SP6783 = Final Quantity: 1.010 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
408	10 ng BNA ICC, 10 PPM	SP6790	05/05/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.01000ml of S12662 + 0.90000ml of E3930 + 0.10000ml of SP6783 = Final Quantity: 1.010 ml

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

SVOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
175	2.5 ng BNA ICC, 2.5 PPM	SP6791	05/05/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025

FROM 0.01000ml of S12662 + 0.50000ml of E3930 + 0.50000ml of SP6789 = Final Quantity: 1.010 ml

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
PCI Scientific Supply, Inc.	PC19631-100 / SODIUM SULFATE, ANHYDROUS, PEST GRADE, 1	313201	07/01/2025	01/03/2024 / Rajesh	07/20/2023 / Rajesh	E3551

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
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)	24H2762008	09/18/2025	03/18/2025 / RUPESH	02/12/2025 / RUPESH	E3902

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	24K1762005	01/07/2026	03/13/2025 /	12/27/2024 / RUPESH	E3904

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9254-03 / Acetone, Ultra Resi (cs/4x4L)	6789	09/24/2025	03/14/2025 / Rajesh	03/13/2025 / Rajesh	E3921

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A0262002	10/08/2025	04/08/2025 / Rajesh	02/07/2025 / Rajesh	E3926

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA-9644-A4 / Methylene Chloride,U-Resi, Cycle-Tainer (215L)	25A0262002	02/20/2026	05/02/2025 / RUPESH	03/09/2025 / RUPESH	E3930

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)	24i1262013	11/07/2025	05/07/2025 / RUPESH	02/18/2025 / Mohan	M6157

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-112090-04 / CLP Acid Surrogate Solution, 7500 mg/L, 1ml	440246	07/30/2025	01/30/2025 / anahy	12/09/2021 / Christian	S10104

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555871 / Custom Standard, 4-nitrophenol Std [CS 5238-4]	A0185300	05/31/2025	04/30/2025 / Rahul	05/18/2022 / Christian	S10399

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555868 / Custom Standard, Benzidine Std [CS 5328-1]	A0186373	06/30/2025	01/29/2025 / anahy	07/05/2022 / Christian	S10584

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555869 / Custom Standard, hexachlorocyclopentadiene Std [CS 5328-2]	A0194702	07/29/2025	01/29/2025 / anahy	02/20/2023 / Christian	S11143

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110817-01 / Custom 8270 Mix, 4-55, 1000 mg/L, 1 ml, (Maximum Expiration: 90 Days)	414125	06/21/2025	05/05/2025 / Jagrut	03/06/2023 / Christian	S11162

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555870 / Custom Standard, 2,4-dinitrophenol Std [CS 5328-3]	A0200549	10/30/2025	04/30/2025 / Rahul	08/10/2023 / yogesh	S11484

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	10/28/2025	04/28/2025 / Jagrut	08/11/2023 / Yogesh	S11496

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555872 / Custom Standard, pentachlorophenol Std [CS 5328-5]	A0201728	07/29/2025	01/29/2025 / anahy	11/09/2023 / Yogesh	S11650

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	09/10/2025	03/10/2025 / anahy	11/21/2023 / Rahul	S11788

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	10/25/2025	04/25/2025 / Jagrut	11/21/2023 / Rahul	S11789

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31853 / 1,4-Dioxane, 2000 ug/ml , Solvent: Methylene Chloride	A0196453	10/30/2025	04/30/2025 / Rahul	11/21/2023 / Rahul	S11790

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	A0200655	10/30/2025	04/30/2025 / Rahul	11/21/2023 / rahul	S11798

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	A0200655	10/30/2025	04/30/2025 / Rahul	11/21/2023 / rahul	S11799

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	10/28/2025	04/28/2025 / Jagrut	03/08/2024 / Rahul	S12115

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12190

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12191

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12192

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12193

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12194

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31087 / Acid Surrogate 10,000ug/ml,methanol,5ml/ ampul	A0206206	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12195

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12209

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12210

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12211

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12212

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12213

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12214

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12215

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31086 / Base Neutral Surrogate 5000ug/ml,CH2Cl2,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12216

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	z-110381-01 / 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1ml	520963	10/28/2025	04/28/2025 / Jagrut	05/24/2024 / Rahul	S12271

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	11/05/2025	05/05/2025 / Jagrut	05/24/2024 / Rahul	S12277

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	09/10/2025	03/10/2025 / anahy	07/23/2024 / RAHUL	S12486

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	10/25/2025	04/25/2025 / Jagrut	07/23/2024 / RAHUL	S12488

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	10/30/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12489

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	10/30/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12490

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555223 / Custom 8270 Plus Std #1 [2nd lot at $100 per ampul if requested - contact ARM with Request] [CS 4978-1]	A0214021	10/30/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12491

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	10/30/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12492

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	10/30/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12493

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	10/30/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12494

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	10/30/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12495

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	10/30/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12496

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	10/10/2025	04/10/2025 / Jagrut	07/23/2024 / RAHUL	S12534

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	11/01/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12535

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	11/01/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12536

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	11/01/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12537

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	11/01/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12538

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	11/01/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12539

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555224 / Custom 8270 Plus Std #2 [2nd lot at $85 per ampul if requested - contact ARM with Request] [CS 4978-2]	A0214017	11/01/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12540

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	11/01/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12541

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	10/30/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12542

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31615 / SV Mixture, GC/MS Tuning Mixture, CH2Cl2, 1mL,	A0212955	06/30/2027	03/31/2025 / Rahul	08/01/2024 / Rahul	S12577

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0212266	04/30/2030	04/07/2025 / anahy	09/20/2024 / anahy	S12658

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	11/01/2025	05/01/2025 / Rahul	09/20/2024 / anahy	S12662

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31206 / SV Mix, CLP method, Internal Std, 2000ug/mL, CH2Cl2, 1mL	A0212266	11/12/2025	05/12/2025 / Rahul	09/20/2024 / anahy	S12664

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
CPI International	Z-110816-01 / Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL, (Maximum Expiration: 180 Days)	414127	06/21/2025	05/05/2025 / Jagrut	05/24/2024 / Rahul	S12793

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/10/2025	03/10/2025 / anahy	12/11/2024 / anahy	S12974

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/30/2025	04/30/2025 / Rahul	12/11/2024 / anahy	S12976

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/30/2025	04/30/2025 / Rahul	12/11/2024 / anahy	S12977

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/30/2025	04/30/2025 / Rahul	12/11/2024 / anahy	S12978

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/30/2025	04/30/2025 / Rahul	12/11/2024 / anahy	S12979

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/30/2025	04/30/2025 / Rahul	12/11/2024 / anahy	S12980

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/30/2025	04/30/2025 / Rahul	12/11/2024 / anahy	S12981

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/30/2025	04/30/2025 / Rahul	12/11/2024 / anahy	S12982

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31850 / 8270 SV Mix, 8270 Mega Mix 1mL, 1000ug/mL, CH2Cl2 [New Solvent 100% CH2Cl2]	A0219438	09/30/2025	04/30/2025 / Rahul	12/11/2024 / anahy	S12983

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)	525551	11/05/2025	05/05/2025 / Jagrut	03/10/2025 / anahy	S13078

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

CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110817-01	414125	≤ -10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-55, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acetophenone	98-86-2	99.2	85.8.1P	998 ± 11.5
benzoic acid	65-85-0	100	123.7.1P	1010 ± 5.88
biphenyl	92-52-4	99.9	366.29.1P	999 ± 5.82
1,2,4,5-tetrachlorobenzene	95-94-3	99.7	53.7.2P	993 ± 5.79

Received on
02/07/23
by
CG
S11089
to
S11093

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____
Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-112090 -04	440246	≤ -10 °C	Methylene Chloride	2/16/2026	CLP Acid Surrogate Solution, 7,500 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
2-chlorophenol-d_4	93951-73-6	99.3	248.12.7P	7487 ± 17.2
2-fluorophenol	367-12-4	99.8	10.7.3.3P	7513 ± 17.26
phenol-d6	13127-88-3	99.9	949.120.8P	7481 ± 17.19
2,4,6-tribromophenol	118-79-6	99.8	12.1.6P	7469 ± 17.17

Received on
02/25/21
by
CG

S9236
to
S9240

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: Erica Castiglione
Erica Castiglione
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Gravimetric Certificate

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by CG on 05/19/22
S10393 to S10402

Catalog No. : 555871 **Lot No.:** A0185300

Description : Custom 4-Nitrophenol Standard

Custom 4-Nitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2025 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	4-Nitrophenol	25,060.0 µg/mL	+/- 231.9100 µg/mL	Gravimetric
	CAS # 100-02-7 (Lot MKCN1089)		+/- 753.2622 µg/mL	Unstressed
	Purity 99%		+/- 905.6020 µg/mL	Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Katelyn McGinnis - Operations Tech I

Date Mixed: 16-May-2022 **Balance:** 1128342314

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Gravimetric Certificate

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by CG on 07/05/22 S10583 to S10592

Catalog No. : 555868 **Lot No.:** A0186373

Description : Custom Benzidine Standard

Custom Benzidine Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2025 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)	
1	Benzidine	25,200.0 µg/mL	+/- 233.2055 µg/mL	Gravimetric
	CAS # 92-87-5 (Lot 220511RSR)		+/- 351.6606 µg/mL	Unstressed
	Purity 99%		+/- 512.6054 µg/mL	Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Tom Suckar - Mix Technician **Date Mixed:** 16-Jun-2022 **Balance:** 1122030677

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified combined stressed uncertainty value (includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ stressed} = k\sqrt{U^2_{gravimetric} + U^2_{homogeneity} + U^2_{storage\ stability} + U^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- It is important to note that the shipping stability uncertainty was obtained under temperature extremes for specific time intervals; therefore, the certified combined stressed uncertainty value should only be applied to the product if it was stored at non-standard temperature conditions up to and including 7 days. Contact Restek Technical Service at www.restek.com/Contact-Us for use recommendations if your shipment was in-transit for more than 7 days at non-standard temperature conditions.
- Apply the certified combined unstressed uncertainty value if the product was received under standard shipping conditions. Apply the certified combined stressed uncertainty value if the product was received under non-standard conditions as specified below.

Label Conditions	Standard Conditions	Non-Standard Conditions
25°C Nominal (Room Temperature)	< 60°C	≥ 60°C up to 7 days
10°C or colder (Refrigerate)	< 40°C	≥ 40°C up to 7 days
0°C or colder (Freezer) -20°C or colder (Deep Freezer)	< 25°C	≥ 25°C up to 7 days

- Separate (not combined) uncertainty values for gravimetric uncertainty are also displayed on the certificate, if needed, separate homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty values are available by contacting Restek Technical Service at www.restek.com/Contact-Us.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampules are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampules. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555869 **Lot No.:** A0194702

Description : Custom Hexachlorocyclopentadiene Standard

Custom Hexachlorocyclopentadiene Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : February 28, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)
1	Hexachlorocyclopentadiene	77-47-4	0012019	99%	25,008.0 µg/mL

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 15-Feb-2023 **Balance:** B442140311

Manufactured under Restek Registered Quality Certificate #FM

tified Reference Material Notes

tes:

n date valid for unopened ampul stored in compliance with the recommended conditions.

nty, concentration, and expiration of the CRM are based on the unopened product being stored according to the ended condition found in the storage field.

d/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, LC/MS, RI, and/or melting point.

nds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A n factor is used to calculate the amount of compound necessary to achieve the desired concentration of the mpound in solution.

isomeric compounds is reported as the sum of the isomers.

lues are rounded to the nearest whole number.

rtainty Value Notes:

rtainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded ty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability ty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

erage factor of 2, which gives a level of confidence of approximately 95%.

ged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure nimum packaged amount can be sufficiently transferred.

Notes:

tion is based upon gravimetric preparation using either a balance whose calibration has been verified daily traceable weights, and/or dilutions with Class A glassware.

:

the unopened product, when stored in compliance with the recommended conditions, is guaranteed through ion displayed on the product label and certificate. Contact Restek for additional opened product stability ı, with the knowledge/understanding that open product stability is subject to the specific handling and ntal conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with ards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom m. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, des complete instructions.

ssolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely

PRODUCTOS QUIMICOS MONTERREY, S.A. DE C.V.

MIRADOR 201, COL. MIRADOR
MONTERREY, N.L. MEXICO
CP 64070
TEL +52 81 13 52 57 57
www.pqm.com.mx

CERTIFICATE OF ANALYSIS

PRODUCT :	SODIUM SULFATE CRYSTALS ANHYDROUS		
QUALITY :	ACS (CODE RMB3375)	FORMULA :	Na_2SO_4
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na_2SO_4)	Min. 99.0%	99.7 %
pH of a 5% solution at 25°C	5.2 - 9.2	6.1
Insoluble matter	Max. 0.01%	0.005 %
Loss on ignition	Max. 0.5%	0.1 %
Chloride (Cl)	Max. 0.001%	<0.001 %
Nitrogen compounds (as N)	Max. 5 ppm	<5 ppm
Phosphate (PO_4)	Max. 0.001%	<0.001 %
Heavy metals (as Pb)	Max. 5 ppm	<5 ppm
Iron (Fe)	Max. 0.001%	<0.001 %
Calcium (Ca)	Max. 0.01%	0.002 %
Magnesium (Mg)	Max. 0.005%	0.001 %
Potassium (K)	Max. 0.008%	0.003 %
Extraction-concentration suitability	Passes test	Passes test
Appearance	Passes test	Passes test
Identification	Passes test	Passes test
Solubility and foreing matter	Passes test	Passes test
Retained on US Standard No. 10 sieve	Max. 1%	0.1 %
Retained on US Standard No. 60 sieve	Min. 94%	97.3 %
Through US Standard No. 60 sieve	Max. 5%	2.5 %
Through US Standard No. 100 sieve	Max. 10%	0.1 %

COMMENTS

QC: PhC Irma Belmares

If you need further details, please call our factory or contact our local distributor.

RG-02-01, Ed. 3

Recd. by RP on 7/24/23 E3551

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: PO2-798 PRODUCT CODE: SHIP DATE: 12/9/2024

Acetone
BAKER RESI-ANALYZED® Reagent
For Organic Residue Analysis

avantor | J.T.Baker

Material No.: 9254-03
Batch No.: 24H2762008
Manufactured Date: 2024-04-18
Expiration Date:2027-04-18
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay ($(CH_3)_2CO$) (by GC, corrected forwater)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titrable Acid (µeq/g)	<= 0.3	0.2
Titrable Base (µeq/g)	<= 0.6	<0.1
Water (H_2O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3902

JCroak
Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

PO: PO2-1308 PRODUCT CODE: SHIP DATE: 2/7/25

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 25A0262002
Manufactured Date: 2024-11-21
Expiration Date:2026-02-20
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	4
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.8 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E 3926

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700
Avantor Performance Materials,LLC
100 Matsonford Rd, Suite 200,Radnor,PA,19087.U.S.A.Phone 610.386.1700

PO: PO2-1178.2 PRODUCT CODE: SHIP DATE: 1/20/2025

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor | J.T.Baker

Material No.: 9266-A4
Batch No.: 25A0262002
Manufactured Date: 2024-11-21
Expiration Date:2026-02-20
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
FID-Sensitive Impurities (as 2-Octanol)Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as HeptachlorEpoxide) Single Peak (pg/mL)	<= 10	4
Assay (CH_2Cl_2) (by GC, exclusive of preservative, corrected for water)	>= 99.8 %	99.9 %
Color (APHA)	<= 10	10
Residue after Evaporation	<= 1.0 ppm	0.8 ppm
Titrable Acid (µeq/g)	<= 0.3	<0.1
Chloride (Cl)	<= 10 ppm	<5 ppm
Water (by KF, coulometric)	<= 0.02 %	<0.01 %

For Laboratory,Research,or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3930

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

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor™ | J.T.Baker

M615 MB

Material No.: 9673-33
Batch No.: 24I1262013
Manufactured Date: 2024-08-07
Retest Date:2029-08-06
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
ACS – Assay (H_2SO_4)	95.0 – 98.0 %	96.2 %
Appearance	Passes Test	Passes Test
ACS – Color (APHA)	<= 10	5
ACS – Residue after Ignition	<= 3 ppm	<1 ppm
ACS – Substances Reducing Permanganate(as SO2)	<= 2 ppm	<2 ppm
Ammonium (NH_4)	<= 1 ppm	<1 ppm
Chloride (Cl)	<= 0.1 ppm	<0.1 ppm
Nitrate (NO_3)	<= 0.2 ppm	0.1 ppm
Phosphate (PO_4)	<= 0.5 ppm	<0.1 ppm
Trace Impurities – Aluminum (Al)	<= 30.0 ppb	<5.0 ppb
Arsenic & Antimony (as As)	<= 4.0 ppb	<2.0 ppb
Trace Impurities – Boron (B)	<= 10.0 ppb	<5.0 ppb
Trace Impurities – Cadmium (Cd)	<= 2.0 ppb	<1.0 ppb
Trace Impurities – Chromium (Cr)	<= 6.0 ppb	<1.0 ppb
Trace Impurities – Cobalt (Co)	<= 0.5 ppb	<0.3 ppb
Trace Impurities – Copper (Cu)	<= 1.0 ppb	<1.0 ppb
Trace Impurities – Gold (Au)	<= 10.0 ppb	<5.0 ppb
Heavy Metals (as Pb)	<= 500.0 ppb	<100.0 ppb
Trace Impurities – Iron (Fe)	<= 50.0 ppb	<1.0 ppb
Trace Impurities – Lead (Pb)	<= 0.5 ppb	<0.5 ppb
Trace Impurities – Magnesium (Mg)	<= 7.0 ppb	<1.0 ppb
Trace Impurities – Manganese (Mn)	<= 1.0 ppb	<1.0 ppb
Trace Impurities – Mercury (Hg)	<= 0.5 ppb	<0.1 ppb
Trace Impurities – Nickel (Ni)	<= 2.0 ppb	<0.3 ppb
Trace Impurities – Potassium (K)	<= 500.0 ppb	<10.0 ppb
Trace Impurities – Selenium (Se)	<= 50.0 ppb	7.2 ppb
Trace Impurities – Silicon (Si)	<= 100.0 ppb	12.8 ppb
Trace Impurities – Silver (Ag)	<= 1.0 ppb	<1.0 ppb

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Sulfuric Acid
BAKER INSTRA-ANALYZED® Reagent
For Trace Metal Analysis
Low Selenium

avantor™ | J.T.Baker

Material No.: 9673-33
Batch No.: 24I1262013

Test	Specification	Result
Trace Impurities - Sodium (Na)	<= 500.0 ppb	<5.0 ppb
Trace Impurities - Strontium (Sr)	<= 5.0 ppb	<1.0 ppb
Trace Impurities - Tin (Sn)	<= 5.0 ppb	1.1 ppb
Trace Impurities - Zinc (Zn)	<= 5.0 ppb	<1.0 ppb

For Laboratory,Research,or Manufacturing Use

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

J Croak

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

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. : 555870 **Lot No.:** A0200549

Description : Custom 2,4-Dinitrophenol Standard

Custom 2,4-Dinitrophenol Standard 25,000µg/mL, Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

S11487 ↓ S11493 Y.P. 08/10/23

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2,4-Dinitrophenol	51-28-5	DR230417RSR	99%	25,008.0 µg/mL	+/- 777.3323

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Tom Suckar - Mix Technician **Date Mixed:** 02-Aug-2023 **Balance:** 1128342314

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110094-02	506889	≤ -10 °C	Methylene Chloride	7/25/2028	CLP Base/Neutral Surrogate Solution, 5,000 mg/L, 1 ml

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2-dichlorobenzene-d_4	2199-69-1	99.7	247.29.3P	5035 ± 28.02
2-fluorobiphenyl	321-60-8	99.69	8.286.1.1P	4999 ± 103.66
nitrobenzene-d5	4165-60-0	99.67	7.9.3P	4988 ± 27.32
p-terphenyl-d14	1718-51-0	99.3	9.120.8P	5005 ± 27.85

511494 to 511498 } Y.P. 08/11/2023

*Not a certified value

Certified By: _____

Clint Tipton
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

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.)

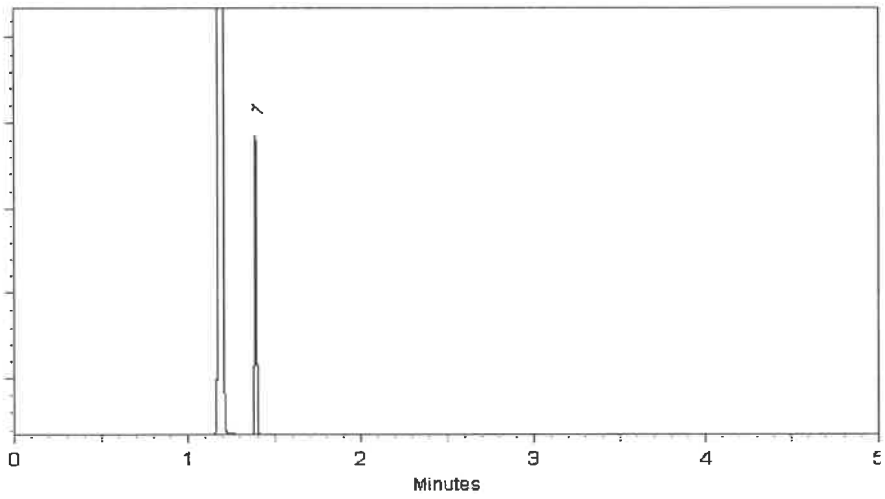
Inj. Temp:
250°C

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.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31853 **Lot No.:** A0200655

Description : 1,4-dioxane

1,4-Dioxane 2,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2028 **Storage:** 0°C or colder

Ship: Ambient

S11795 ↓ S11808 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	SHBQ1693	99%	2,007.0 µg/mL	+/- 24.9775

* 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.)

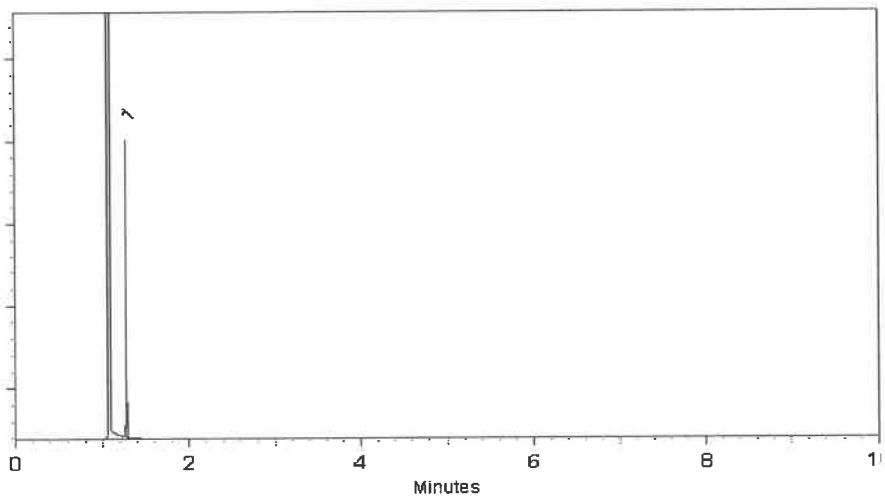
Inj. Temp:
250°C

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.

Penelope Riglin - Operations Tech I

Date Mixed: 06-Aug-2023 **Balance Serial #** 1128360905

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 08-Aug-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-020223-01	454157	≤ -10 °C	P/T Methanol	6/10/2026	1,4-Dioxane Solution, 2000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,4-dioxane	123-91-1	100	223.1.3P	1997 ± 57.08

S12112 ↓ S12116 } RC/ 03/08/24

*Not a certified value

Certified By: Melissa Workoff

Melissa Workoff
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206

Description : Acid Surrogate Mix (4/89 SOW)

Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul

Container Size : 5 mL **Pkg Amt:** > 5 mL

Expiration Date : January 31, 2032 **Storage:** 10°C or colder

Ship: Ambient

S12187 ↓ S12206 } RC/ 03/18/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	2-Fluorophenol	367-12-4	STBK1705	99%	10,005.3 µg/mL	+/- 302.5390
2	Phenol-d6	13127-88-3	PR-33287A	99%	10,005.5 µg/mL	+/- 302.5475
3	2,4,6-Tribromophenol	118-79-6	RP230831RSR	99%	10,006.6 µg/mL	+/- 302.5783

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
40°C (hold 2 min.) to 330°C
@ 10°C/min. (hold 10 min.)

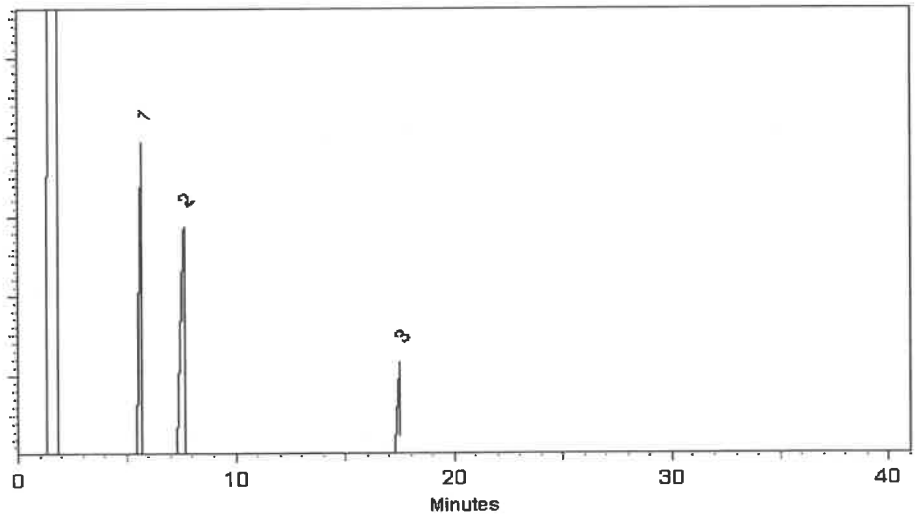
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
2 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024 **Balance Serial #** 1128360905

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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.)

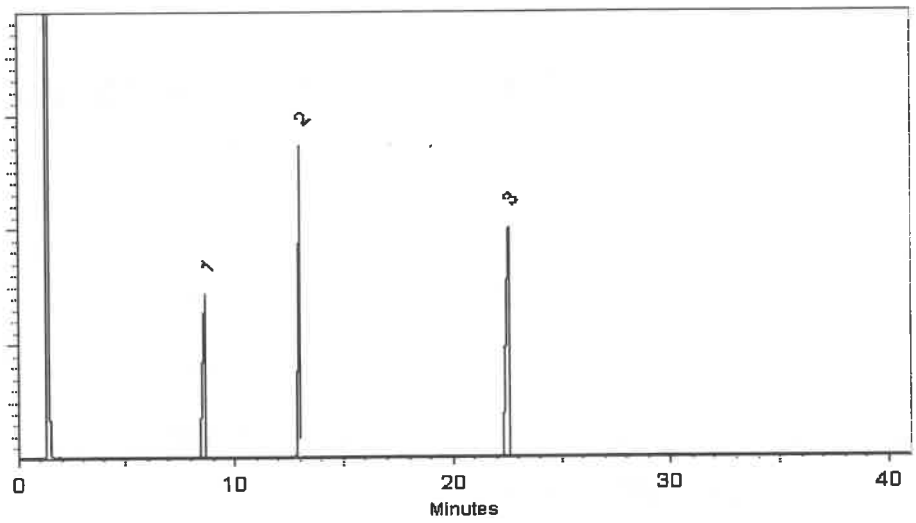
Inj. Temp:
250°C

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-110381-01	520963	≤ -10 °C	Methylene Chloride	10/10/2028	Method 8270 Calibration Solution, 76-1, 500 & 1,000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acenaphthene	83-32-9	99.9	13.1.5P	1010 ± 9.89
acenaphthylene	208-96-8	97.6	14.290.1P	1014 ± 9.93
aniline	62-53-3	99.97	64.1.4P	1001 ± 9.8
anthracene	120-12-7	99.5	15.7.1P	999.6 ± 9.79
azobenzene	103-33-3	98.1	252.7.2P	999.1 ± 9.8
benzo[a]anthracene	56-55-3	100	16.7.3P	1007 ± 9.86
benzo[b]fluoranthene	205-99-2	99.8	17.421.3P	1011 ± 14.11
benzo[k]fluoranthene	207-08-9	98.9	18.421.4P	1001 ± 10.96
benzo[ghi]perylene	191-24-2	93	19.286.4P	999.6 ± 13.95
benzo[a]pyrene	50-32-8	97	20.286.2P	999.9 ± 22.24
benzyl alcohol	100-51-6	99.9	65.18.1P	1001 ± 9.82
bis(2-chloroethoxy)methane	111-91-1	99.1	31.3.15P	1000 ± 14.69
bis(2-chloroethyl)ether	111-44-4	99.8	32.7.1P	1003 ± 13.89
bis(2-chloro-1-methylethyl) ether	108-60-1	99.5	34.3.15P	999.4 ± 14.68
bis(2-ethylhexyl)adipate	103-23-1	99.5	874.7.1P	999.5 ± 9.8
bis(2-ethylhexyl)phthalate	117-81-7	99.4	33.29.1P	998.8 ± 17.03
4-bromophenyl phenyl ether	101-55-3	99.4	35.7.1.1P	1000 ± 13.85
butyl benzyl phthalate	85-68-7	98.4	36.1.6P	984.7 ± 16.79
carbazole	86-74-8	99.4	239.7.2P	1000 ± 9.8

S12270 ↓ S12274 } RC 05/24/24

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
4-chloroaniline	106-47-8	100	66.7.1P	1000 ± 9.79
4-chlorophenylphenyl ether	7005-72-3	98	37.158.2P	1001 ± 17.07
4-chloro-3-methylphenol	59-50-7	99	102.1.2P	1006 ± 17.16
2-chloronaphthalene	91-58-7	99.9	42.7.6P	1000 ± 9.79
2-chlorophenol	95-57-8	99.8	103.7.1P	1007 ± 13.96
chrysene	218-01-9	96	21.286.2P	998.4 ± 12.85
dibenz[a,h]anthracene	53-70-3	99.44	22.286.3P	1000 ± 9.74
dibenzofuran	132-64-9	100	67.7.2.1P	1002 ± 9.77
di-n-butyl phthalate	84-74-2	99.84	40.286.1P	1007 ± 24.48
1,2-dichlorobenzene	95-50-1	99.8	43.7.1P	1000 ± 9.79
1,3-dichlorobenzene	541-73-1	99.5	44.1.3P	999.4 ± 9.79
1,4-dichlorobenzene	106-46-7	99.9	45.29.2P	1000 ± 9.79
2,4-dichlorophenol	120-83-2	99.6	104.7.1.1P	1005 ± 13.93
diethyl phthalate	84-66-2	99.8	38.7.1P	1011 ± 14
2,4-dimethylphenol	105-67-9	99.6	105.7.1.1P	1009 ± 13.98
dimethyl phthalate	131-11-3	99.9	39.9.2P	996.5 ± 13.8
1,2-dinitrobenzene	528-29-0	99.86	86.7.3.1P	999.5 ± 9.75
1,3-dinitrobenzene	99-65-0	100	313.7.2P	998 ± 9.79
1,4-dinitrobenzene	100-25-4	100	907.7.1P	999.5 ± 9.8
2,4-dinitrophenol	51-28-5	99.9	106.1.6DP	1002 ± 13.89
2,4-dinitrotoluene	121-14-2	100	87.7.3P	999.8 ± 13.85
2,6-dinitrotoluene	606-20-2	99.4	88.7.2.1P	999.6 ± 13.85
di-n-octyl phthalate	117-84-0	99.1	41.7.5P	991.6 ± 13.74
diphenylamine	122-39-4	100	78.1.6P	998 ± 13.79
2,3,5,6-tetrachlorophenol	935-95-5	97	1112.286.1P	1004 ± 14.02
fluoranthene	206-44-0	98.6	23.7.4P	999.6 ± 9.79
fluorene	86-73-7	98.4	24.7.1P	999.7 ± 9.79

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
hexachlorobenzene	118-74-1	99	46.158.4P	999.9 ± 13.96
hexachlorobutadiene	87-68-3	97.4	47.1.4P	1000 ± 9.79
hexachlorocyclopentadiene	77-47-4	99.2	48.2.2P	1001 ± 9.8
hexachloroethane	67-72-1	99.9	49.1.4P	1003 ± 9.82
indeno[1,2,3-cd]pyrene	193-39-5	98	25.286.4P	999.4 ± 22.23
isophorone	78-59-1	98.9	90.1.4P	999.9 ± 13.85
2-methyl-4,6-dinitrophenol	534-52-1	99.6	107.421.2DP	991 ± 24.09
1-methylnaphthalene	90-12-0	97.1	249.7.5P	999.2 ± 13.95
2-methylnaphthalene	91-57-6	97.4	68.7.2P	1006 ± 22.38
2-methylphenol	95-48-7	99.6	114.7.3P	1001 ± 13.87
3-methylphenol	108-39-4	99.1	115.7.4P	499.7 ± 6.92
4-methylphenol	106-44-5	99.5	116.7.1P	501.2 ± 6.94
naphthalene	91-20-3	99.8	26.9.1P	1018 ± 9.97
2-nitroaniline	88-74-4	99.7	69.29.1P	999.6 ± 9.79
3-nitroaniline	99-09-2	100	70.7.3P	1000 ± 9.74
4-nitroaniline	100-01-6	99.7	71.29.1P	1001 ± 9.8
nitrobenzene	98-95-3	100	94.7.1P	1000 ± 13.85
2-nitrophenol	88-75-5	99.1	108.29.1P	996.5 ± 13.81
4-nitrophenol	100-02-7	100	109.7.1P	1000 ± 13.82
N-nitrosodimethylamine	62-75-9	99.5	57.3.19P	998.5 ± 14.67
N-nitrosodi-n-propylamine	621-64-7	99.8	59.286.1P	996.8 ± 17
pentachlorophenol	87-86-5	99	110.1.7P	1004 ± 13.92
phenanthrene	85-01-8	99.7	27.1.5P	999 ± 12.87
phenol	108-95-2	100	112.7.1P	998.5 ± 13.8
pyrene	129-00-0	99.2	28.9.2P	998.9 ± 9.78
pyridine	110-86-1	100	101.24.1P	999 ± 9.73
2,3,4,6-Tetrachlorophenol	58-90-2	91.8	120.421.1P	996.5 ± 13.92

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

Certificate of Analysis

Catalog No.: Z-110381-01 **Lot No.:** 520963 **Expiration Date:** 10/10/2028

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
1,2,4-trichlorobenzene	120-82-1	99.6	54.29.1P	999.6 ± 9.79
2,4,5-trichlorophenol	95-95-4	96.5	121.7.1.1P	999.5 ± 13.85
2,4,6-trichlorophenol	88-06-2	99.6	113.7.1P	996 ± 13.8

*Not a certified value

Certified By: Kerry E Kane

Kerry Kane
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010442-07	495833	≤ -10 °C	Methylene Chloride	1/16/2028	Benzaldehyde Solution, 1000 mg/L, 1.3 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
benzaldehyde	100-52-7	98.3	442.421.1P	996.8 ± 11.49

S12275 ↓ S12279 } RC/ 05/24/24

*Not a certified value

Certified By: S. Hunter

Scott Hunter
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined 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

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

gravimetric

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555223 **Lot No.:** A0214021

Description : Custom 8270 Plus Standard #1

Custom 8270 Plus Standard #1 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Handling: This product is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	3,3'-Dichlorobenzidine	91-94-1	S240326RSR	99%	1,004.0 µg/mL	+/- 23.0487
2	Atrazine	1912-24-9	5FYWL	99%	1,005.0 µg/mL	+/- 23.0717
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 23.0947
4	epsilon-Caprolactam	105-60-2	Y16H012	99%	1,000.0 µg/mL	+/- 22.9569

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12449 ↓ S12508 } RC 7/24/24

Rebecca Gingerich - Operations Tech II

Date Mixed: 18-Jul-2024 **Balance:** 1128353505

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555224 **Lot No.:** A0214017

Description : Custom 8270 Plus Standard #2

Custom 8270 Plus Standard #2 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2,4,5-Tetrachlorobenzene	95-94-3	MKCT9480	99%	1,005.0 µg/mL	+/- 29.541899
2	Acetophenone	98-86-2	STBH8205	99%	1,005.0 µg/mL	+/- 29.541899
3	Benzaldehyde	100-52-7	RD231129RSRA	99%	1,008.0 µg/mL	+/- 29.630084
4	Benzoic acid	65-85-0	MKCR2694	99%	1,010.0 µg/mL	+/- 29.688874
5	Biphenyl	92-52-4	MKCS5928	99%	1,008.0 µg/mL	+/- 29.630084

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12509 ↓ S12568 } RC/ 7/24/24

Jess Hoy - Operations Tech I

Date Mixed: 18-Jul-2024 **Balance:** 1128360905

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31615 **Lot No.:** A0212955

Description : GC/MS Tuning Mixture

GC/MS Tuning Mixture 1,000µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2027 **Storage:** 10°C or colder

Handling: Contains carcinogen/reproductive toxin. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,004.5 µg/mL	+/- 44.8902
2	DFTPP (Decafluorotriphenylphosphine)	5074-71-5	Q117-147	99%	1,004.5 µg/mL	+/- 44.8902
3	Benzidine	92-87-5	S240430RSR	99%	1,006.0 µg/mL	+/- 44.9572
4	4,4'-DDT	50-29-3	S240530RSR	97%	1,000.1 µg/mL	+/- 44.6922

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12577 ↓ S12579 RC 8/2/24

Quality Confirmation Test

Column:
30m x 0.25mm x 0.25µm
Rtx-5 (cat.#10223)

Carrier Gas:
hydrogen-constant pressure 10 psi.

Temp. Program:
75°C (hold 1 min.) to 330°C
@ 20°C/min. (hold 10 min.)

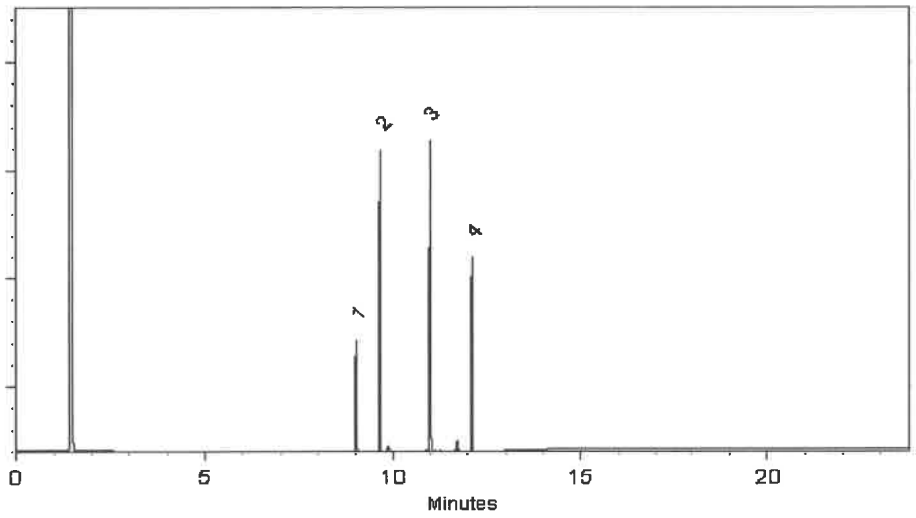
Inj. Temp:
250°C

Det. Temp:
330°C

Det. Type:
FID

Split Vent:
10 ml/min.

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 19-Jun-2024 **Balance Serial #** 1128353505

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 26-Jun-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31206 **Lot No.:** A0212266

Description : SV Internal Standard Mix 2mg/ml

SV Internal Standard Mix 2mg/ml 2000 µg/ml, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2030 **Storage:** 10°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	2,000.6 µg/mL	+/- 90.1075
2	Naphthalene-d8	1146-65-2	M-2180	99%	2,000.3 µg/mL	+/- 90.0925
3	Acenaphthene-d10	15067-26-2	PR-33507	99%	2,000.4 µg/mL	+/- 90.1000
4	Phenanthrene-d10	1517-22-2	PR-34099	99%	2,000.5 µg/mL	+/- 90.1037
5	Chrysene-d12	1719-03-5	PR-33506	99%	2,000.7 µg/mL	+/- 90.1112
6	Perylene-d12	1520-96-3	PR-33205	99%	2,000.6 µg/mL	+/- 90.1075

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

S12645 ↓ S12674 AC 10/1/24

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110816-01	414127	≤-10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-79, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
atrazine	1912-24-9	99.5	337.7.3P	997 ± 5.81
benzidine	92-87-5	99.9	124.18.6.2P	991.8 ± 5.77
caprolactam	105-60-2	99.9	271.1.6P	999 ± 5.82

S12280 → S12284 RCI 05/24/24

New numbers Generated.

S12790 → S12794 RCI 11/12/24

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____
Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00. Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetricly.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®

8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

S12963 → S12992 AC 12/17/24

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCCK6969	99%	1,001.5	µg/mL	+/- 36.4393
23	1,2,4-Trichlorobenzene	120-82-1	SHBP5900	99%	1,006.4	µg/mL	+/- 36.6166
24	Naphthalene	91-20-3	STBL1057	99%	1,002.1	µg/mL	+/- 36.4620
25	4-Chloroaniline	106-47-8	BCCJ3217	99%	1,004.4	µg/mL	+/- 36.5439
26	Hexachlorobutadiene	87-68-3	X05J	98%	1,002.5	µg/mL	+/- 36.4771
27	4-Chloro-3-methylphenol	59-50-7	BCCD4461	99%	1,004.5	µg/mL	+/- 36.5484
28	2-Methylnaphthalene	91-57-6	STBL3028	99%	1,000.0	µg/mL	+/- 36.3847
29	1-Methylnaphthalene	90-12-0	5234.00-8	98%	990.2	µg/mL	+/- 36.0269
30	Hexachlorocyclopentadiene	77-47-4	099063I14L	98%	1,001.3	µg/mL	+/- 36.4325
31	2,4,6-Trichlorophenol	88-06-2	STBK8870	99%	1,006.4	µg/mL	+/- 36.6166
32	2,4,5-Trichlorophenol	95-95-4	3YFRE	97%	1,004.6	µg/mL	+/- 36.5505
33	2-Chloronaphthalene	91-58-7	RPN7O	99%	1,004.3	µg/mL	+/- 36.5393
34	2-Nitroaniline	88-74-4	RP240715RSR	99%	1,004.4	µg/mL	+/- 36.5439
35	1,4-Dinitrobenzene	100-25-4	RP240703RSR	99%	1,002.8	µg/mL	+/- 36.4847
36	Acenaphthylene	208-96-8	RP241029RSR	98%	1,000.0	µg/mL	+/- 36.3835
37	1,3-Dinitrobenzene	99-65-0	TRC3-1075941-2-1	99%	1,006.3	µg/mL	+/- 36.6121
38	Dimethylphthalate	131-11-3	358221L17K	99%	1,008.9	µg/mL	+/- 36.7076
39	2,6-Dinitrotoluene	606-20-2	BCCG1833	99%	1,006.6	µg/mL	+/- 36.6257
40	1,2-Dinitrobenzene	528-29-0	RP240701RSR	99%	1,002.5	µg/mL	+/- 36.4757
41	Acenaphthene	83-32-9	MKCR7169	99%	1,000.0	µg/mL	+/- 36.3847
42	3-Nitroaniline	99-09-2	RP240708RSR	99%	1,004.6	µg/mL	+/- 36.5530
43	2,4-Dinitrophenol	51-28-5	D240927RSR	----%	1,005.6	µg/mL	+/- 36.5894
44	Dibenzofuran	132-64-9	MKCN1772	99%	1,003.5	µg/mL	+/- 36.5120
45	2,4-Dinitrotoluene	121-14-2	102869V26E	99%	1,008.3	µg/mL	+/- 36.6849
46	4-Nitrophenol	100-02-7	20241029-2-AN	99%	1,004.8	µg/mL	+/- 36.5575
47	2,3,4,6-Tetrachlorophenol	58-90-2	PR-34476	99%	1,005.8	µg/mL	+/- 36.5939
48	2,3,5,6-Tetrachlorophenol	935-95-5	RP231219RSR	99%	1,006.4	µg/mL	+/- 36.6166
49	Fluorene	86-73-7	10246250	98%	1,000.7	µg/mL	+/- 36.4102
50	4-Chlorophenyl phenyl ether	7005-72-3	MKCT7248	99%	1,004.9	µg/mL	+/- 36.5621
51	Diethylphthalate	84-66-2	BCCJ6241	99%	1,003.9	µg/mL	+/- 36.5257
52	4-Nitroaniline	100-01-6	RP230111	99%	1,006.6	µg/mL	+/- 36.6257
53	4,6-Dinitro-2-methylphenol (Dinitro-o-cresol)	534-52-1	S241008RSR	99%	1,001.3	µg/mL	+/- 36.4302

54	Diphenylamine	122-39-4	MKCT1512	99%	1,003.0	µg/mL	+/- 36.4938
55	Azobenzene	103-33-3	BCCK0887	99%	1,002.4	µg/mL	+/- 36.4711
56	4-Bromophenyl phenyl ether	101-55-3	STBH6361	99%	1,008.8	µg/mL	+/- 36.7031
57	Hexachlorobenzene	118-74-1	15458400	99%	1,005.1	µg/mL	+/- 36.5712
58	Pentachlorophenol	87-86-5	RP240517RSR	99%	1,005.9	µg/mL	+/- 36.5984
59	Phenanthrene	85-01-8	MKCT3391	99%	1,004.9	µg/mL	+/- 36.5621
60	Anthracene	120-12-7	101492T18R	99%	1,005.1	µg/mL	+/- 36.5712
61	Carbazole	86-74-8	15276700	99%	1,005.4	µg/mL	+/- 36.5803
62	Di-n-butylphthalate	84-74-2	MKCN4337	99%	1,006.3	µg/mL	+/- 36.6121
63	Fluoranthene	206-44-0	MKCQ4728	99%	1,003.5	µg/mL	+/- 36.5120
64	Pyrene	129-00-0	BCCK2592	99%	1,002.0	µg/mL	+/- 36.4575
65	Benzyl butyl phthalate	85-68-7	X12I018	99%	1,007.5	µg/mL	+/- 36.6576
66	Bis(2-ethylhexyl)adipate	103-23-1	MKCM1988	99%	1,005.9	µg/mL	+/- 36.5984
67	Benz(a)anthracene	56-55-3	I70012022BAA	99%	1,005.5	µg/mL	+/- 36.5848
68	Chrysene	218-01-9	RP241007RSR	99%	1,005.3	µg/mL	+/- 36.5757
69	Bis(2-ethylhexyl)phthalate	117-81-7	MKCS8065	99%	1,007.5	µg/mL	+/- 36.6576
70	Di-n-octyl phthalate	117-84-0	15566400	99%	1,002.3	µg/mL	+/- 36.4666
71	Benzo(b)fluoranthene	205-99-2	052013B	99%	1,004.1	µg/mL	+/- 36.5348
72	Benzo(k)fluoranthene	207-08-9	012022K	99%	1,002.8	µg/mL	+/- 36.4847
73	Benzo(a)pyrene	50-32-8	NQLXA	98%	1,006.2	µg/mL	+/- 36.6108
74	Indeno(1,2,3-cd)pyrene	193-39-5	12-JKL-118-9	97%	1,001.8	µg/mL	+/- 36.4490
75	Dibenz(a,h)anthracene	53-70-3	2-ASA-59-1	99%	1,003.3	µg/mL	+/- 36.5029
76	Benzo(g,h,i)perylene	191-24-2	RP241014RSR	98%	1,003.8	µg/mL	+/- 36.5217

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: Methylene chloride
CAS # 75-09-2
Purity 99%

Tech Tips:
N-Nitrosodiphenylamine (86-30-6) is prone to breakdown in the injection port and will be converted to Diphenylamine (122-39-4). When comparing the response of Diphenylamine to mixtures manufactured using N-Nitrosodiphenylamine, a difference in response will be observed. The ratio of the MW can be used to calculate the theoretical concentration of the N-Nitrosodiphenylamine.

CPI INTERNATIONAL

5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received:_____

Certificate of Analysis

Rev 0

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010074-07	525551	-18°C +/- 4°C	Methylene Chloride	9/3/2029	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	97.9	74.421.2P	994.7 ± 30.56

This RM is intended for use as a calibration standard or a quality control standard for chromatography equipment such as GC, GC/MS, HPLC, and HPLC/MS. It may also be used for various USEPA, NIOSH and ASTM methods.

Recommended storage container for ampuled products after opening is a 12 mm x 32 mm amber vial with screw cap Teflon lined silicon septum. The modeled % change per day can be calculated using the following:

$$\% \text{ Change} = 116192x^{-2.578} + 40.383e^{-0.03y}$$

where x = boiling point of the most volatile analyte in the mix (in degrees K)
y = boiling point of the solvent (in degrees K)

This model assumes the container is stored at -10 °C and is unopened during storage. The user should determine what the acceptable error for their process is and calculate the maximum number of days the opened ampule should be stored. The minimum sample size recommended for use is 1µL.

S13078 ↓ S13087 } AC 3/10/25

Manufactured by

Raevyn Steele
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.

*Not a certified valu

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax: (908) 78-8922
www.chemtech.net

Chemtech Project Number: Q1985

COC Number:

CLIENT INFORMATION	PROJECT INFORMATION	BILLING INFORMATION
COMPANY: Tetra Tech	PROJECT NAME: NWIRP Bethpage	BILL TO: PO#
ADDRESS: 4433 Corporation Ln, Suite 300	PROJECT #: 112G08005-WE13 LOCATION: RW8	ADDRESS:
CITY: Virginia Beach STATE: VA ZIP: 23462	PROJECT MANAGER: Ernie Wu	CITY: STATE: ZIP:
ATTENTION: Ernie Wu	E-MAIL: ernie,wu@tetratech.com	ATTENTION: PHONE:
PHONE: 757-466-4901 FAX: 757-461-4148	PHONE: 757-466-4901 FAX: 757-461-4148	

DATA TURNAROUND INFORMATION

FAX: 5 DAYS*
HARD COPY: 5 DAYS*
EDD 5 DAYS*
* TO BE APPROVED BY CHEMTECH
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESELTS ONLY
- ☐ RESULTS + QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ EDD Format
- ☐ USEPA CLP
- ☐ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other

ANALYSIS

	1,4-Dioxane SW846 8270 SIM	VOC SW846 8260	TAL Metals	pH	TSS	SVOC 8270			
	1	2	3	4	5	6	7	8	9
PRESERVATIVES		A	B						
	1	2	3	4	5	6	7	8	9

COMMENTS

<-- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# of Bottles	1	2	3	4	5	6	7	8	9
1.	RW8-BW-20250507	GW		x	5/7/25	12:30	8	1	3	1	1	1	1			
2.	TB-20250507	WQ		x	5/7/25	9:00	3	(V)	3							
3.																
4.																
5.																
6.																
7.																
8.																
9.																
10.																

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSSESSION INCLUDING COURIER DELIVERY

	DATE/TIME		
RELINQUISHED BY SAMPLER 1.	5/7/25 1550	RECEIVED BY 1.	
RELINQUISHED BY 2. FedEx	DATE/TIME 5-8-25 0950	RECEIVED BY 2.	
RELINQUISHED BY 3.	DATE/TIME	RECEIVED FOR LAB BY 3.	

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 2.3°C
☐ Ice in Cooler?: Y
MeOH extraction requires an additional 4oz. Jar for percent solid
Comments: Adjust Factor +1 IL RUN #1

Page ____ of ____

SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight
CHEMTECH: ☐ Picked Up ☐ Overnight

Shipment Complete ☐ YES ☐ NO

WHITE - CHEMTECH COPYFOR RETURN TO CLIENT **YELLOW** - CHEMTECH COPY **PINK** - SAMPLER COPY

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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1985 TETR06
Client Name : Tetra Tech NUS, Inc.
Client Contact : Ernie Wu
Invoice Name : Tetra Tech NUS, Inc.
Invoice Contact : Ernie Wu

Order Date : 5/8/2025 10:49:00 AM
Project Name : NWIRP Bethpage 112G080
Receive DateTime : 5/8/2025 9:50:00 AM
Purchase Order :

Project Mgr :
Report Type : Level 4
EDD Type : ADAPT
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q1985-01	RW8-BW-20250507	Water	05/07/2025	12:30					
					VOCMS Group1		8260-Low	5 Bus. Days	
Q1985-02	TB-20250507	Water	05/07/2025	09:00					
					VOCMS Group1		8260-Low	5 Bus. Days	

Relinguished By : JM
Date / Time : 5/8/25 1143

Received By : JC
Date / Time : 5/8/25 1143
Storage Area : VOA Refridgerator Room

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142296.D
Acq On : 05 May 2025 14:23
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: May 05 17:56:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 17:44:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.904	152	207173	20.000	ng		0.00
21) Naphthalene-d8	8.187	136	800106	20.000	ng		0.00
39) Acenaphthene-d10	9.939	164	439288	20.000	ng		0.00
64) Phenanthrene-d10	11.427	188	788007	20.000	ng		0.00
76) Chrysene-d12	14.068	240	553678	20.000	ng		0.00
86) Perylene-d12	15.557	264	376971	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.504	112	125572	10.347	ng		0.00
7) Phenol-d6	6.510	99	156415	10.479	ng		-0.01
23) Nitrobenzene-d5	7.457	82	115545	8.807	ng		-0.01
42) 2,4,6-Tribromophenol	10.727	330	35296	8.322	ng		0.00
45) 2-Fluorobiphenyl	9.257	172	381508	12.383	ng		0.00
79) Terphenyl-d14	13.010	244	413313	11.049	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.687	88	28652	5.243	ng		100
3) Pyridine	3.463	79	53109	4.133	ng		98
4) n-Nitrosodimethylamine	3.387	42	37175	4.985	ng	#	98
6) Aniline	6.563	93	49440	3.377	ng		97
8) 2-Chlorophenol	6.681	128	62258	4.801	ng		98
9) Benzaldehyde	6.451	77	54313	6.217	ng		97
10) Phenol	6.522	94	82817	5.234	ng		97
11) bis(2-Chloroethyl)ether	6.634	93	106962	6.855	ng		94
12) 1,3-Dichlorobenzene	6.845	146	80536	5.428	ng		99
13) 1,4-Dichlorobenzene	6.922	146	80900	5.431	ng		98
14) 1,2-Dichlorobenzene	7.075	146	76655	5.361	ng		99
15) Benzyl Alcohol	7.034	79	42272	4.374	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.175	45	123229	5.289	ng		100
17) 2-Methylphenol	7.140	107	53481	5.094	ng		98
18) Hexachloroethane	7.422	117	24476	4.938	ng		98
19) n-Nitroso-di-n-propyla...	7.304	70	48843	5.290	ng		97
20) 3+4-Methylphenols	7.292	107	70122	5.351	ng		89
22) Acetophenone	7.304	105	101001	5.677	ng		98
24) Nitrobenzene	7.481	77	56276	4.551	ng		98
25) Isophorone	7.716	82	127812	5.145	ng		98
26) 2-Nitrophenol	7.798	139	17854	6.828	ng		97
27) 2,4-Dimethylphenol	7.828	122	62210	4.981	ng		99
28) bis(2-Chloroethoxy)met...	7.928	93	86020	5.385	ng		98
29) 2,4-Dichlorophenol	8.034	162	49005	4.615	ng		99
30) 1,2,4-Trichlorobenzene	8.128	180	65738	5.501	ng		98
31) Naphthalene	8.210	128	220404	5.684	ng		98
32) Benzoic acid	7.869	122	9308	7.443	ng		96
33) 4-Chloroaniline	8.275	127	48341	3.061	ng		98
34) Hexachlorobutadiene	8.328	225	37522	5.302	ng		99
35) Caprolactam	8.581	113	12615	4.085	ng		96
36) 4-Chloro-3-methylphenol	8.722	107	56110	5.083	ng		99
37) 2-Methylnaphthalene	8.898	142	134367	5.576	ng		99
38) 1-Methylnaphthalene	8.998	142	141952	5.652	ng		99
40) 1,2,4,5-Tetrachloroben...	9.063	216	65890	5.370	ng		99
41) Hexachlorocyclopentadiene	9.051	237	31389	4.140	ng		99
43) 2,4,6-Trichlorophenol	9.169	196	33630	4.346	ng		98

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142296.D
Acq On : 05 May 2025 14:23
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: May 05 17:56:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 17:44:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	37237	4.522	ng		98
46) 1,1'-Biphenyl	9.363	154	189666	5.631	ng		98
47) 2-Chloronaphthalene	9.386	162	137929	5.506	ng		98
48) 2-Nitroaniline	9.475	65	22539	3.510	ng		95
49) Acenaphthylene	9.798	152	228773	5.460	ng		99
50) Dimethylphthalate	9.651	163	146916	5.208	ng		99
51) 2,6-Dinitrotoluene	9.716	165	18933	3.586	ng		95
52) Acenaphthene	9.975	154	138379	5.492	ng		96
53) 3-Nitroaniline	9.886	138	22656	3.659	ng	#	98
54) 2,4-Dinitrophenol	9.986	184	5605	9.497	ng	#	1
55) Dibenzofuran	10.145	168	212190	5.706	ng		99
56) 4-Nitrophenol	10.028	139	17445	3.743	ng		96
57) 2,4-Dinitrotoluene	10.116	165	24415	3.605	ng		96
58) Fluorene	10.486	166	167029	5.886	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.257	232	29233	4.301	ng		99
60) Diethylphthalate	10.357	149	147649	5.241	ng		98
61) 4-Chlorophenyl-phenyle...	10.480	204	76782	5.608	ng		98
62) 4-Nitroaniline	10.486	138	22736	4.632	ng		93
63) Azobenzene	10.639	77	146968	5.460	ng		99
65) 4,6-Dinitro-2-methylph...	10.522	198	8208	9.085	ng		93
66) n-Nitrosodiphenylamine	10.592	169	138600	5.286	ng		99
67) 4-Bromophenyl-phenylether	10.975	248	45301	5.072	ng		97
68) Hexachlorobenzene	11.033	284	51978	5.291	ng		100
69) Atrazine	11.122	200	30914	4.472	ng		99
70) Pentachlorophenol	11.227	266	18599	3.599	ng		98
71) Phenanthrene	11.451	178	235107	5.692	ng		98
72) Anthracene	11.504	178	238345	5.616	ng		98
73) Carbazole	11.657	167	209878	5.512	ng		98
74) Di-n-butylphthalate	11.986	149	188462	4.707	ng		99
75) Fluoranthene	12.639	202	236016	5.716	ng		99
77) Benzidine	12.763	184	23472	2.333	ng		96
78) Pyrene	12.869	202	252238	5.118	ng		98
80) Butylbenzylphthalate	13.492	149	39082	6.169	ng		98
81) Benzo(a)anthracene	14.057	228	189654	5.289	ng		99
82) 3,3'-Dichlorobenzidine	14.021	252	34544	4.143	ng		99
83) Chrysene	14.092	228	179085	5.365	ng		100
84) Bis(2-ethylhexyl)phtha...	14.051	149	45343	6.444	ng		98
85) Di-n-octyl phthalate	14.668	149	59863	9.323	ng		96
87) Indeno(1,2,3-cd)pyrene	17.057	276	108522	4.138	ng		99
88) Benzo(b)fluoranthene	15.115	252	123666	5.416	ng		99
89) Benzo(k)fluoranthene	15.145	252	109149	5.224	ng		99
90) Benzo(a)pyrene	15.492	252	97418	4.761	ng		100
91) Dibenzo(a,h)anthracene	17.080	278	93055	4.295	ng		98
92) Benzo(g,h,i)perylene	17.509	276	91492	4.255	ng		98

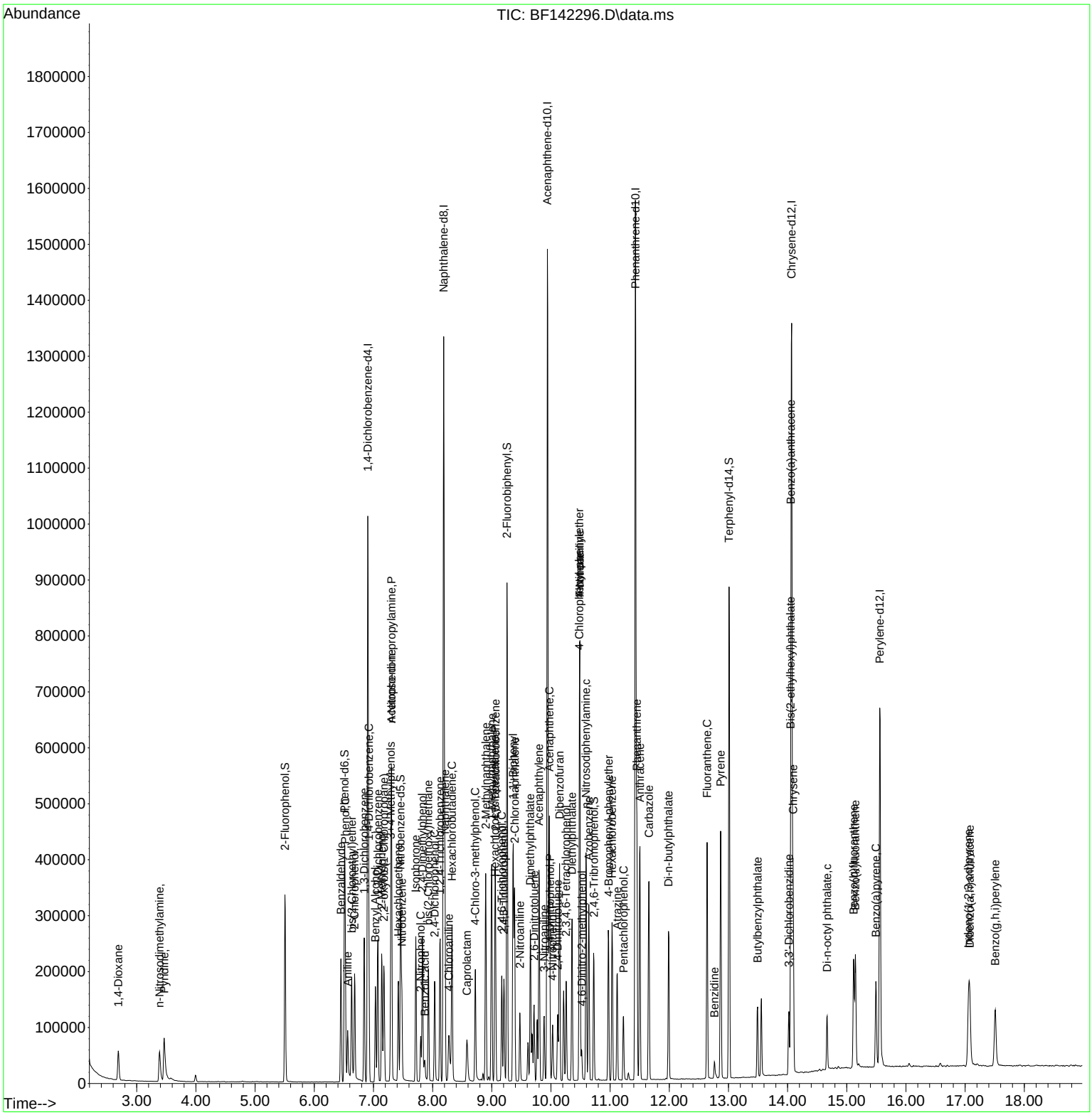
(#) = qualifier out of range (m) = manual integration (+) = signals summed

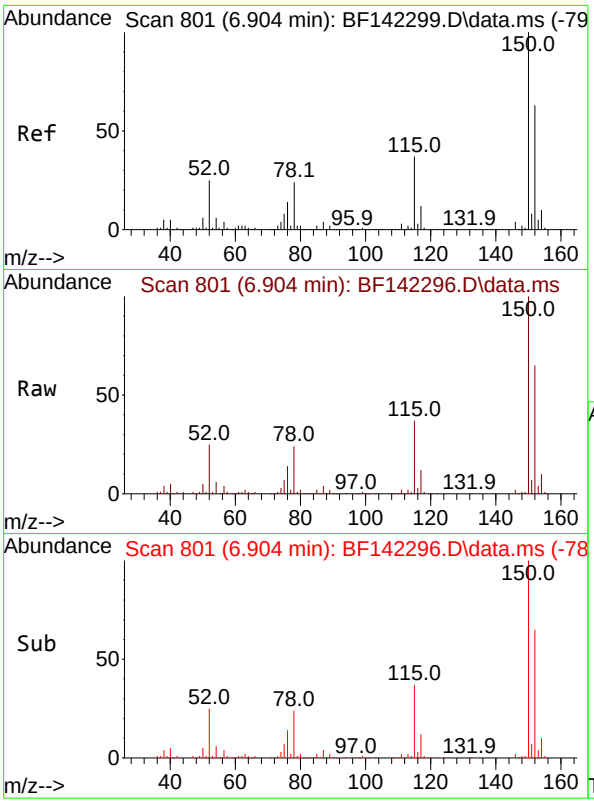
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142296.D
Acq On : 05 May 2025 14:23
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Quant Time: May 05 17:56:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 17:44:56 2025
Response via : Initial Calibration



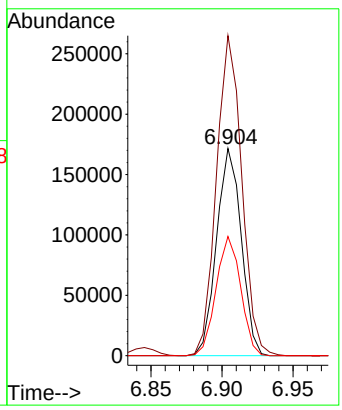


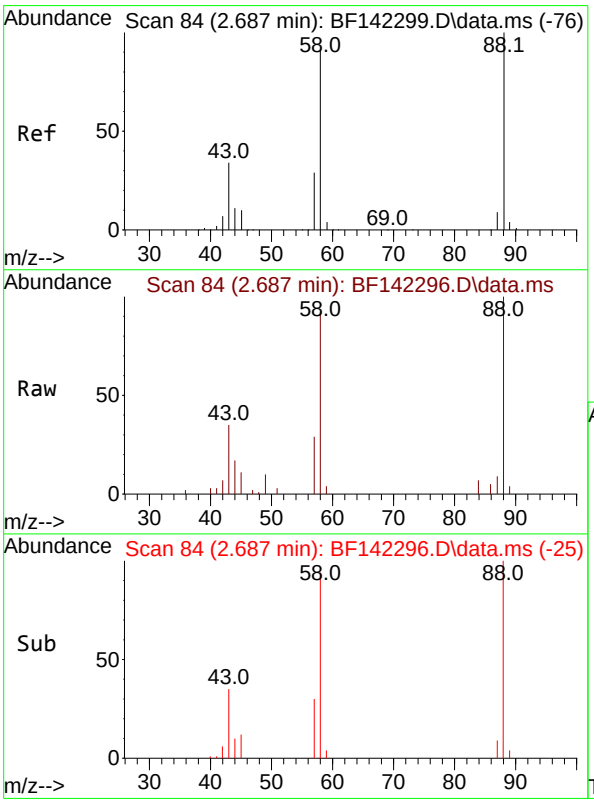
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 207173

Ion	Ratio	Lower	Upper
152	100		
150	154.5	126.6	190.0
115	57.6	47.3	70.9

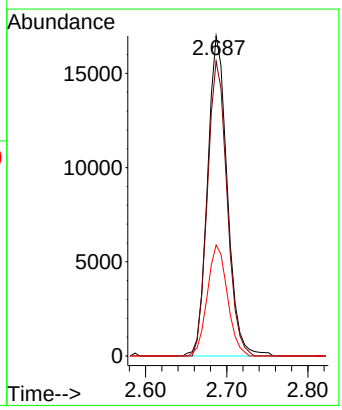


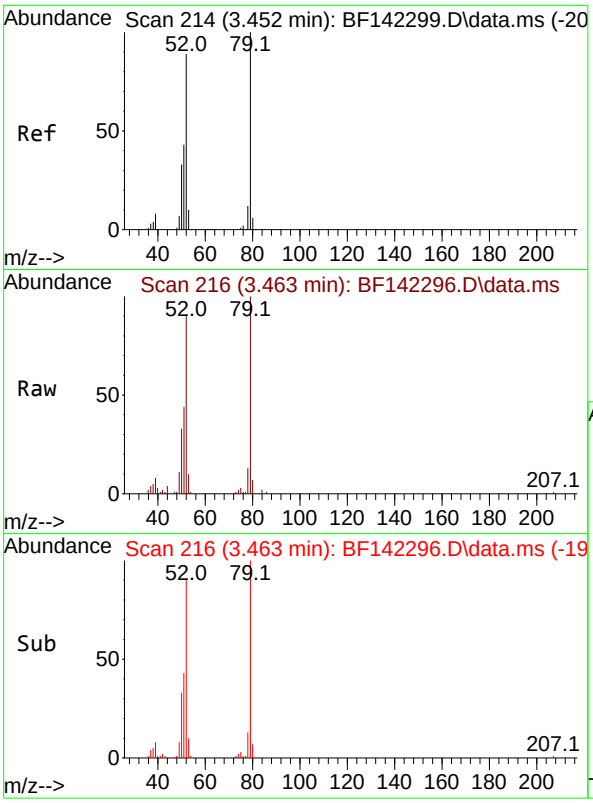


#2
1,4-Dioxane
Concen: 5.243 ng
RT: 2.687 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion: 88 Resp: 28652

Ion	Ratio	Lower	Upper
88	100		
58	91.1	73.0	109.4
43	35.3	27.8	41.6



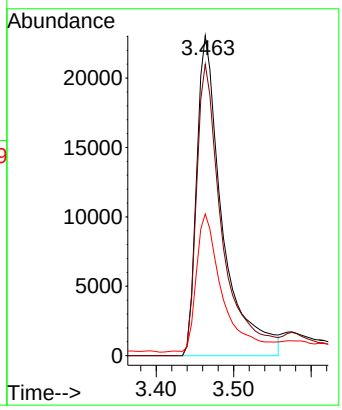


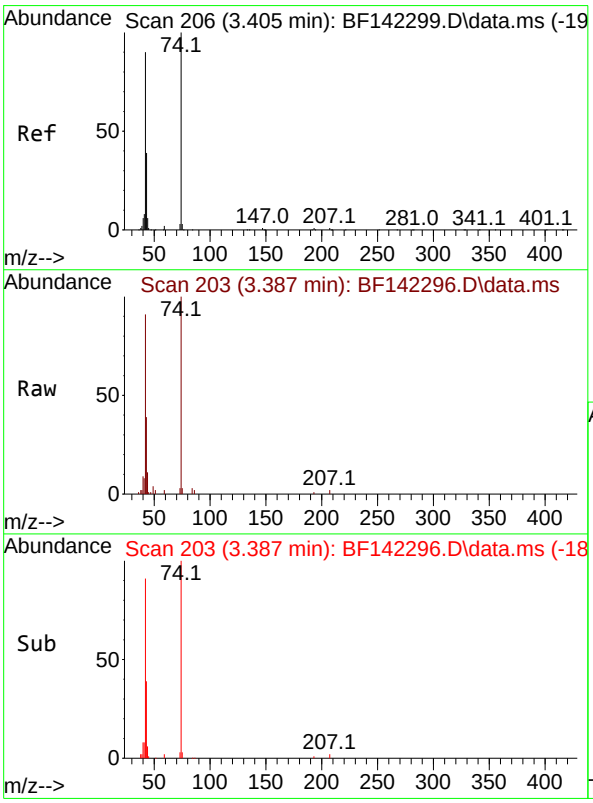
#3
Pyridine
Concen: 4.133 ng
RT: 3.463 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 53109

Ion	Ratio	Lower	Upper
79	100		
52	91.1	71.0	106.4
51	44.3	34.9	52.3

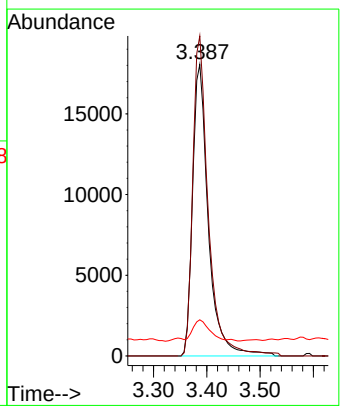


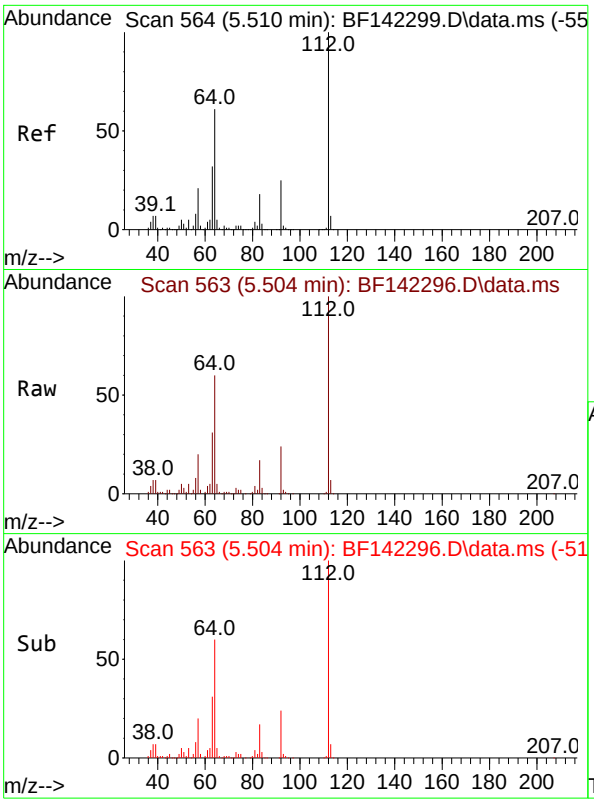


#4
n-Nitrosodimethylamine
Concen: 4.985 ng
RT: 3.387 min Scan# 203
Delta R.T. -0.018 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion: 42 Resp: 37175

Ion	Ratio	Lower	Upper
42	100		
74	109.7	88.5	132.7
44	12.4	5.8	8.8#



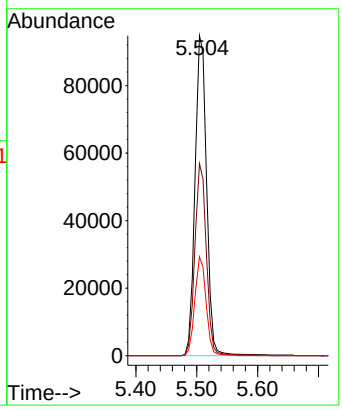


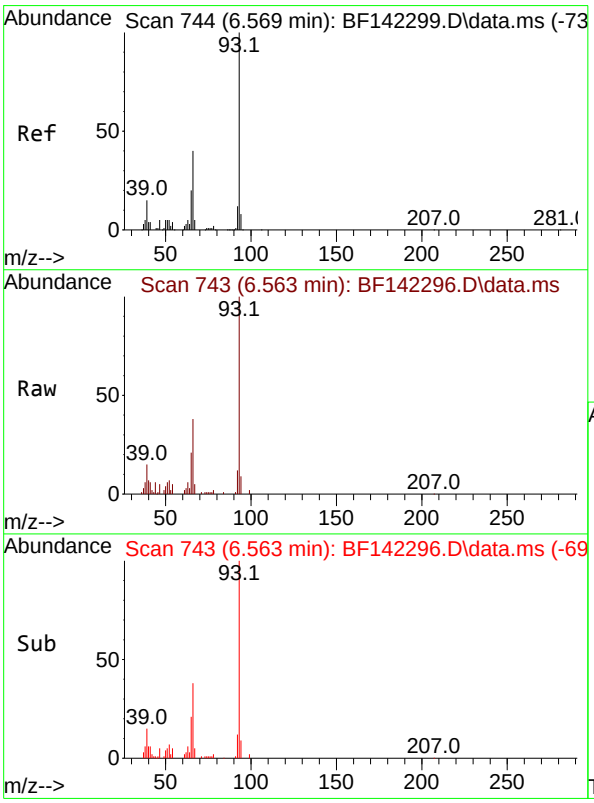
#5
2-Fluorophenol
Concen: 10.347 ng
RT: 5.504 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:112 Resp: 125572

Ion	Ratio	Lower	Upper
112	100		
64	60.0	48.9	73.3
63	30.9	25.6	38.4

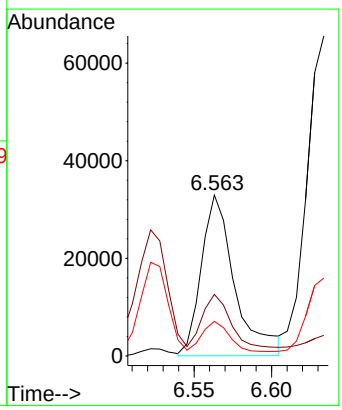


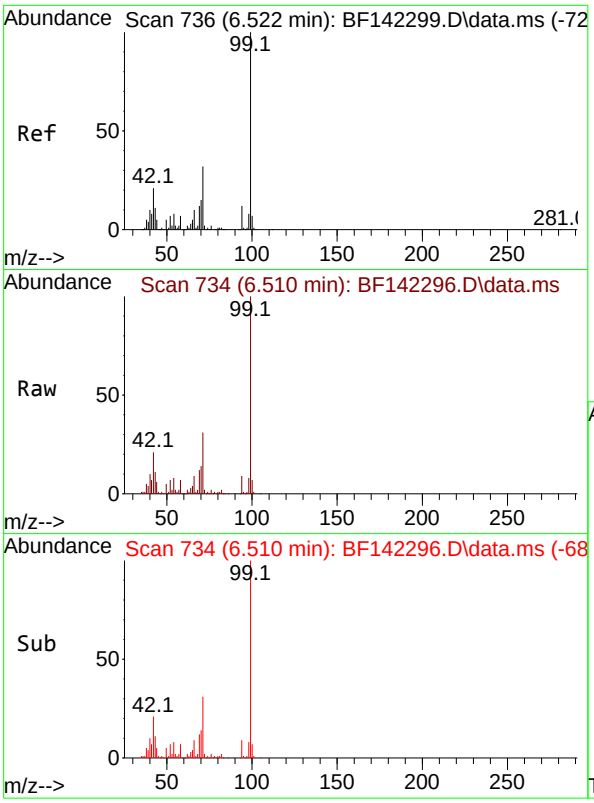


#6
Aniline
Concen: 3.377 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion: 93 Resp: 49440

Ion	Ratio	Lower	Upper
93	100		
66	38.3	32.2	48.4
65	21.4	16.3	24.5



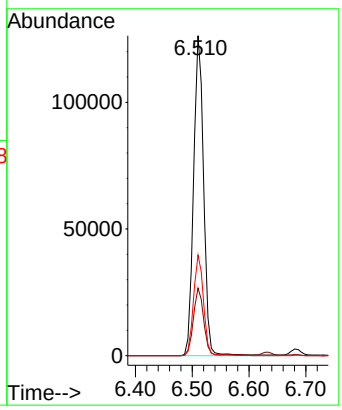


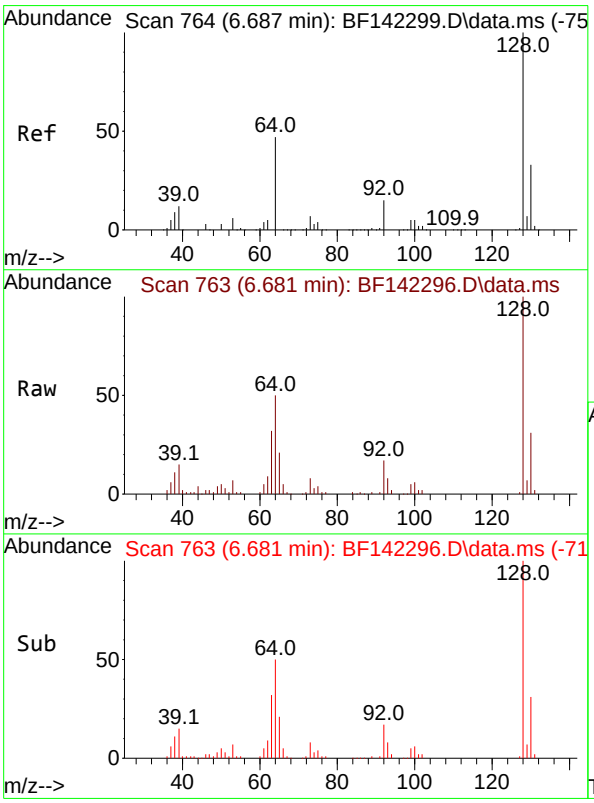
#7
Phenol-d6
Concen: 10.479 ng
RT: 6.510 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 99 Resp: 156415

Ion	Ratio	Lower	Upper
99	100		
42	21.1	17.0	25.4
71	31.4	25.8	38.8

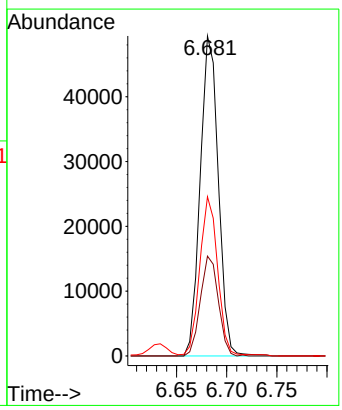


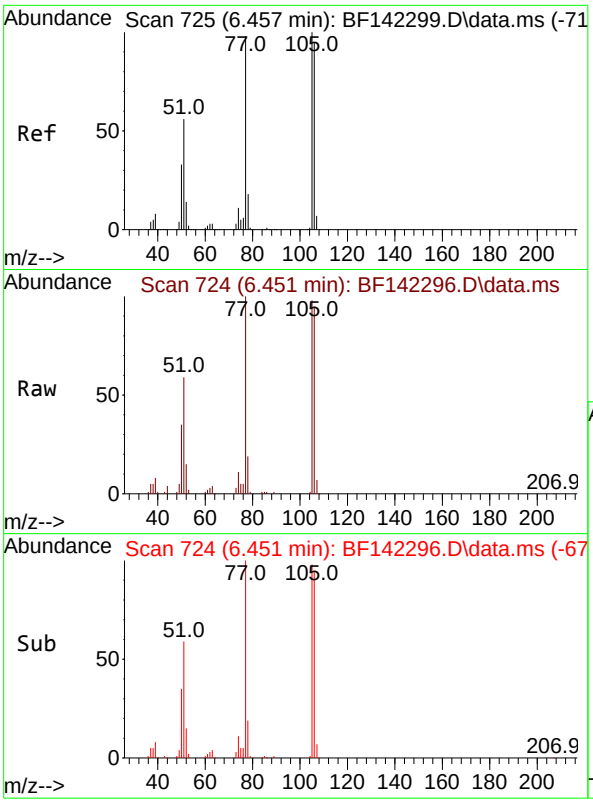


#8
2-Chlorophenol
Concen: 4.801 ng
RT: 6.681 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:128 Resp: 62258

Ion	Ratio	Lower	Upper
128	100		
130	31.2	12.7	52.7
64	49.8	29.2	69.2



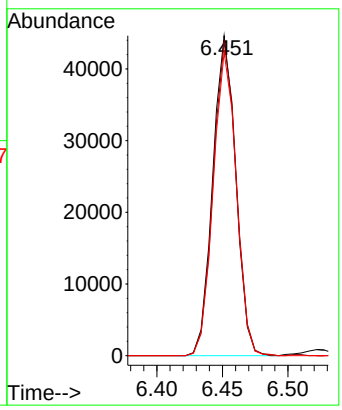


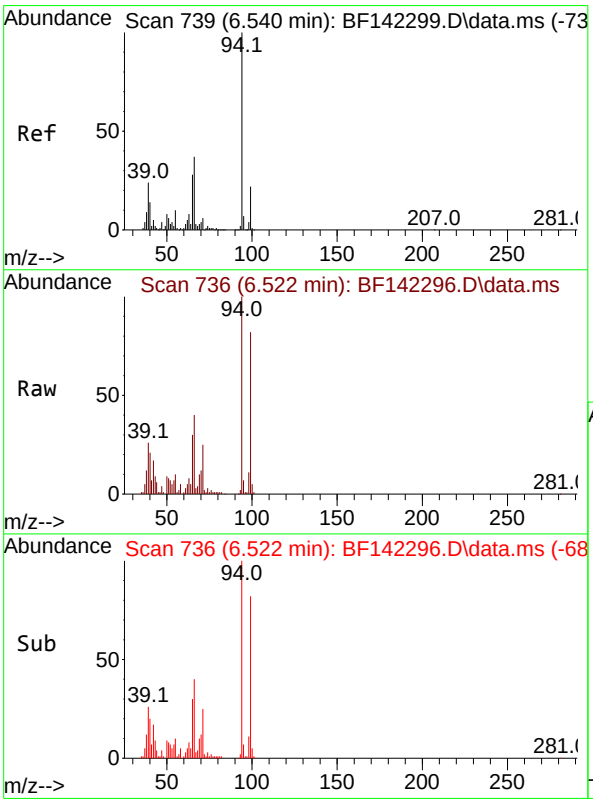
#9
Benzaldehyde
Concen: 6.217 ng
RT: 6.451 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 77 Resp: 54313

Ion	Ratio	Lower	Upper
77	100		
105	98.1	82.0	122.0
106	94.9	77.2	117.2

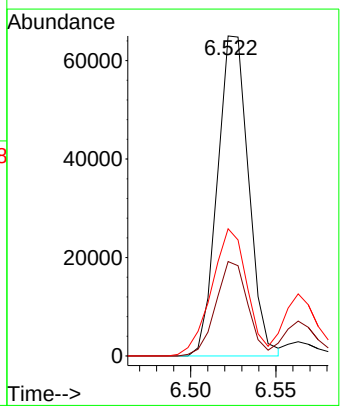


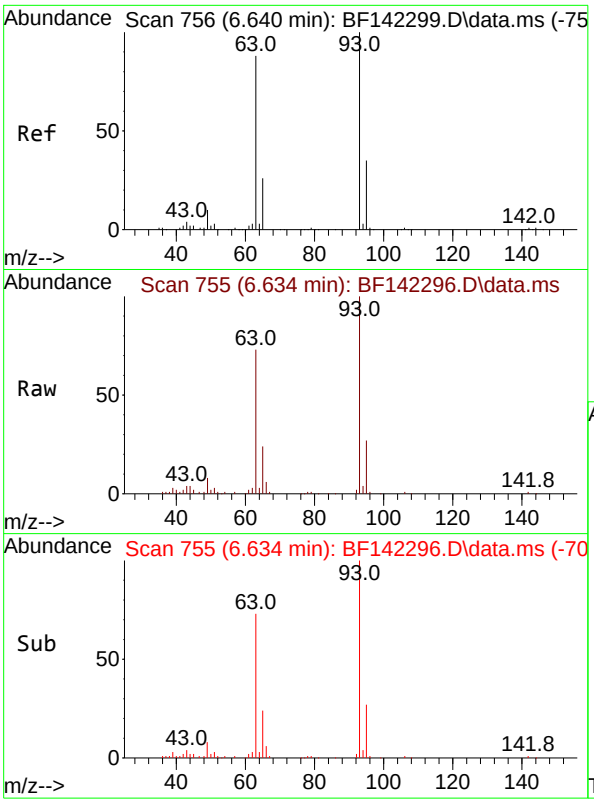


#10
Phenol
Concen: 5.234 ng
RT: 6.522 min Scan# 736
Delta R.T. -0.018 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion: 94 Resp: 82817

Ion	Ratio	Lower	Upper
94	100		
65	29.5	8.5	48.5
66	39.8	17.3	57.3



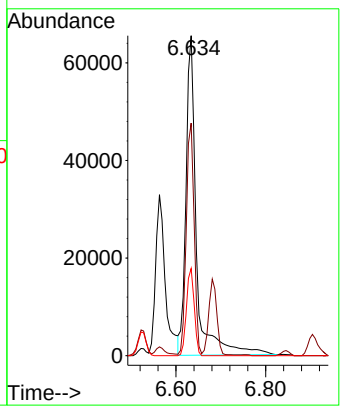


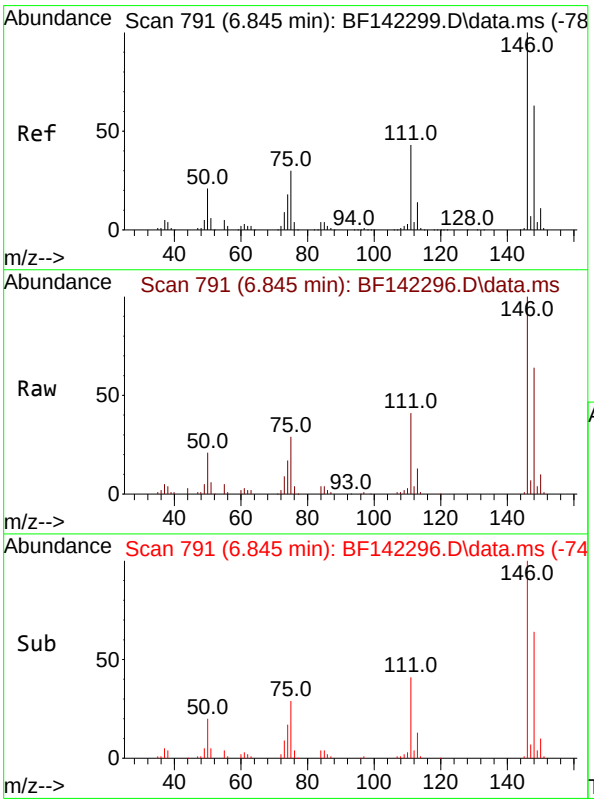
#11
bis(2-Chloroethyl)ether
Concen: 6.855 ng
RT: 6.634 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 106962

Ion	Ratio	Lower	Upper
93	100		
63	72.7	58.4	98.4
95	27.2	10.6	50.6

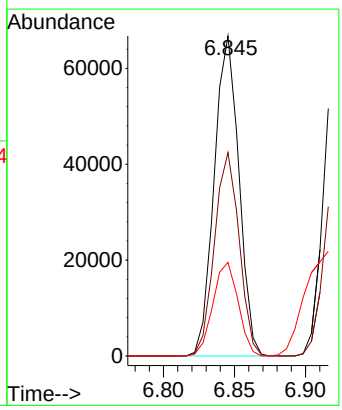


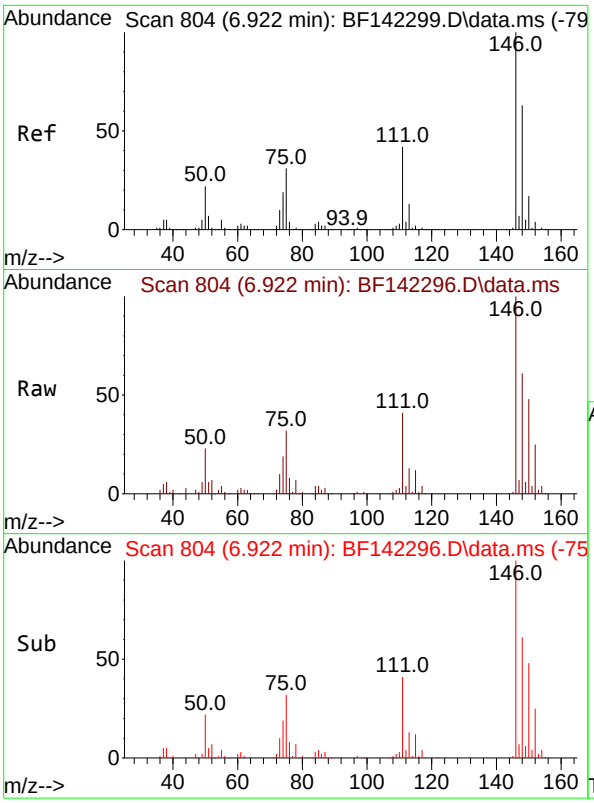


#12
1,3-Dichlorobenzene
Concen: 5.428 ng
RT: 6.845 min Scan# 791
Delta R.T. -0.000 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:146 Resp: 80536

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.6	76.0
75	29.3	24.2	36.4



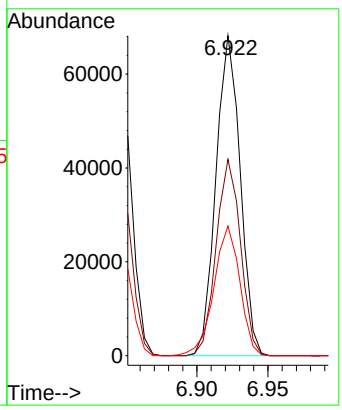


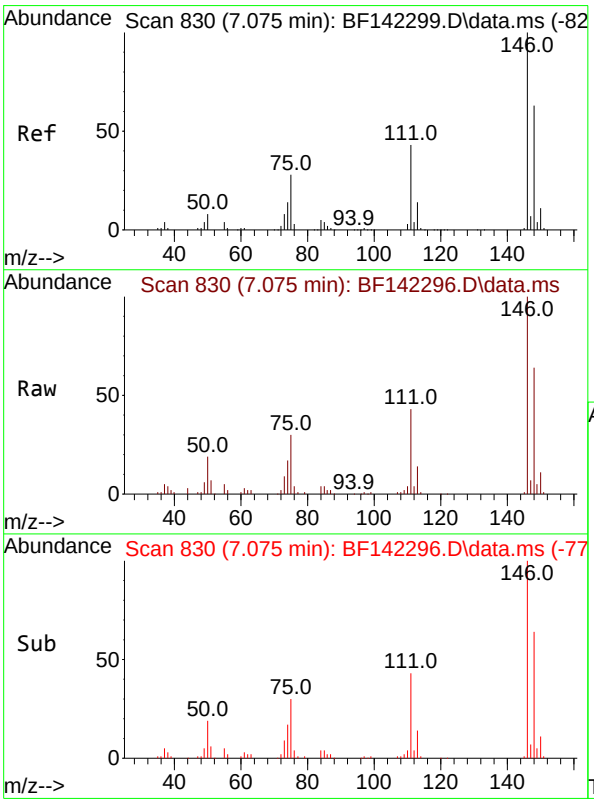
#13
1,4-Dichlorobenzene
Concen: 5.431 ng
RT: 6.922 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:146 Resp: 80900

Ion	Ratio	Lower	Upper
146	100		
148	61.4	50.5	75.7
111	40.5	33.4	50.2

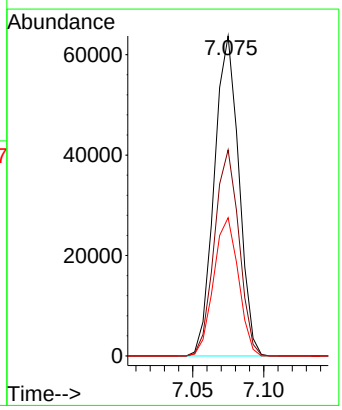


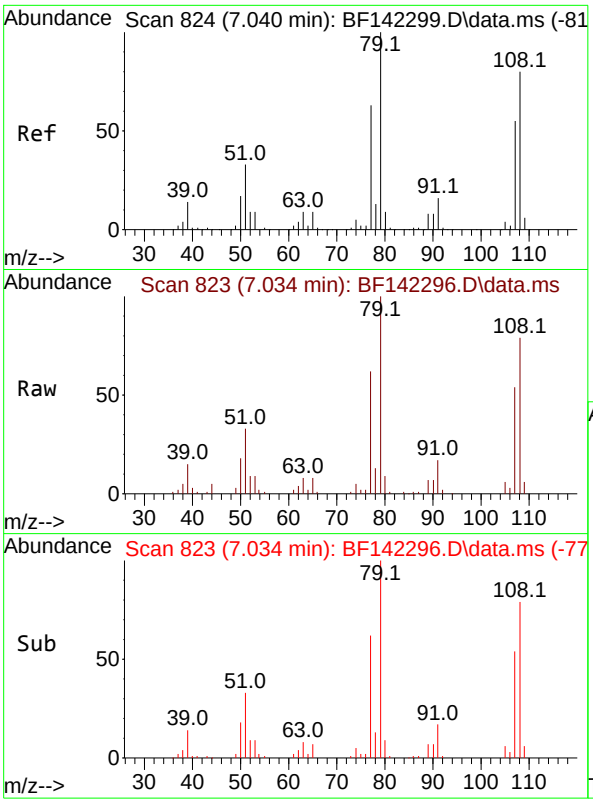


#14
1,2-Dichlorobenzene
Concen: 5.361 ng
RT: 7.075 min Scan# 830
Delta R.T. -0.000 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:146 Resp: 76655

Ion	Ratio	Lower	Upper
146	100		
148	64.4	50.3	75.5
111	43.2	34.5	51.7



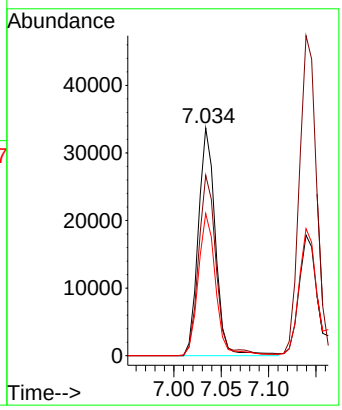


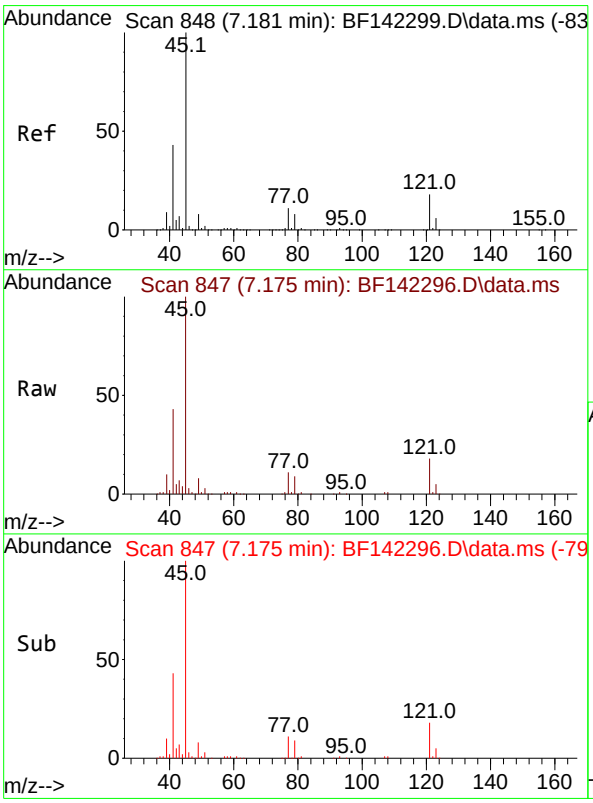
#15
Benzyl Alcohol
Concen: 4.374 ng
RT: 7.034 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 79 Resp: 42272

Ion	Ratio	Lower	Upper
79	100		
108	79.3	63.9	95.9
77	62.4	50.7	76.1

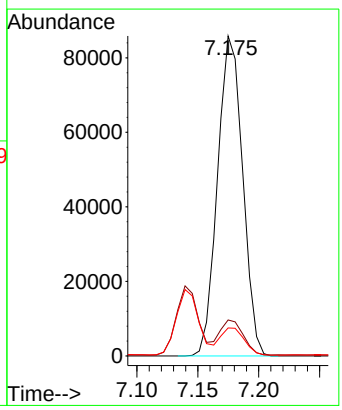


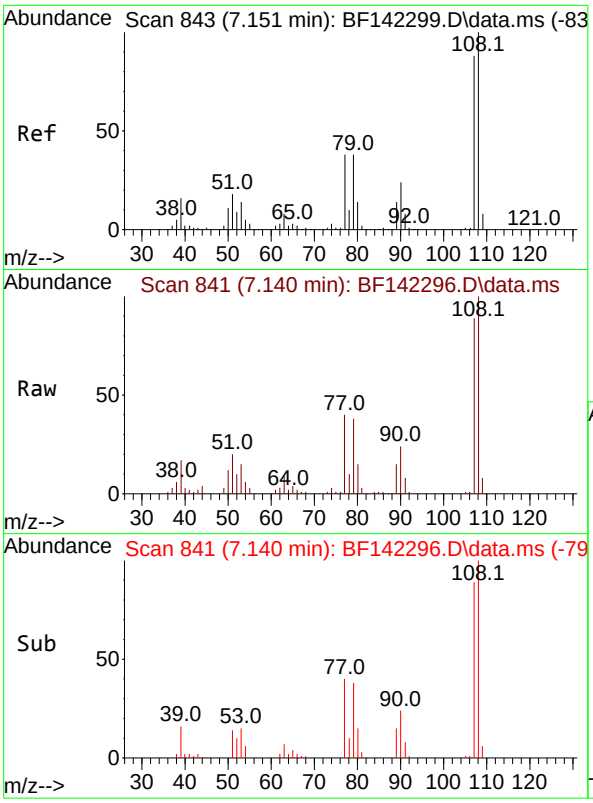


#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.289 ng
RT: 7.175 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion: 45 Resp: 123229

Ion	Ratio	Lower	Upper
45	100		
77	11.3	0.0	31.2
79	8.8	0.0	28.5



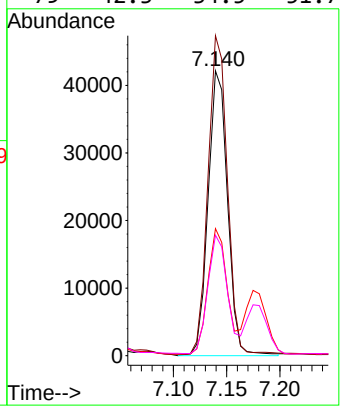


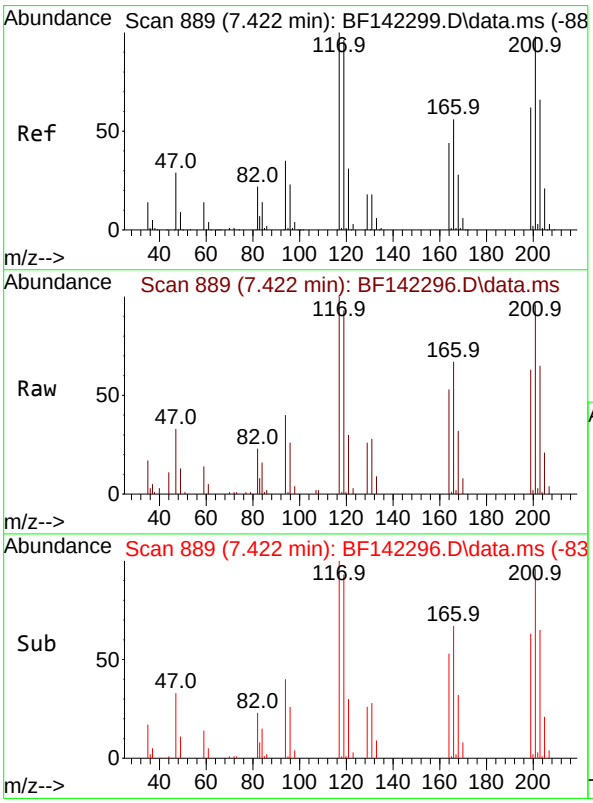
#17
2-Methylphenol
Concen: 5.094 ng
RT: 7.140 min Scan# 84
Delta R.T. -0.012 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:107 Resp: 53481

Ion	Ratio	Lower	Upper
107	100		
108	112.3	91.1	136.7
77	44.6	34.7	52.1
79	42.3	34.5	51.7

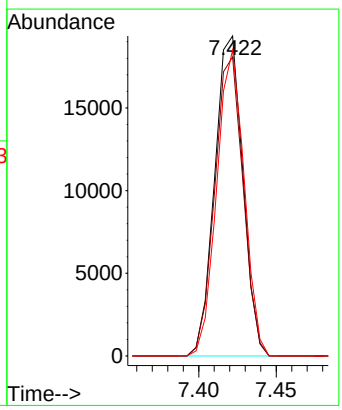


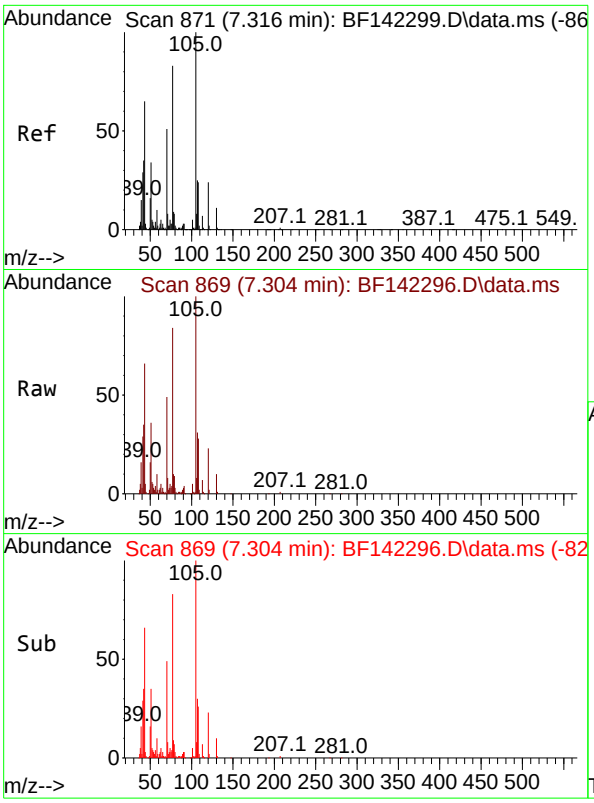


#18
Hexachloroethane
Concen: 4.938 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.000 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:117 Resp: 24476

Ion	Ratio	Lower	Upper
117	100		
119	93.5	76.9	115.3
201	95.6	78.0	117.0



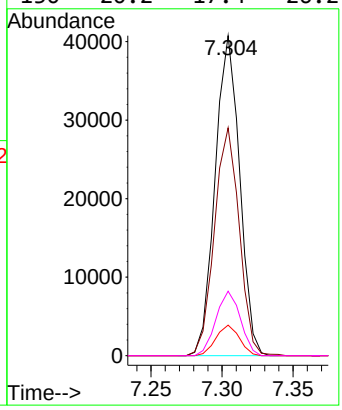


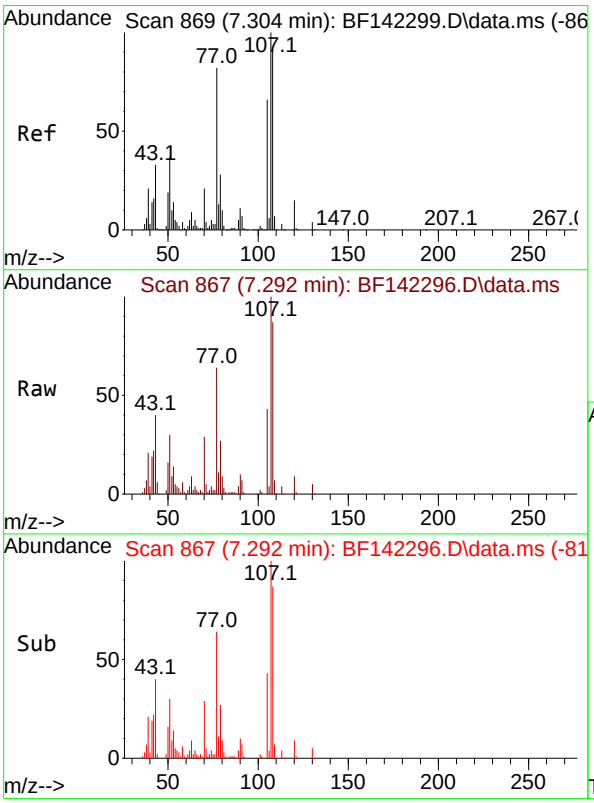
#19
n-Nitroso-di-n-propylamine
Concen: 5.290 ng
RT: 7.304 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 70 Resp: 48843

Ion	Ratio	Lower	Upper
70	100		
42	71.2	54.8	82.2
101	9.6	7.7	11.5
130	20.2	17.4	26.2

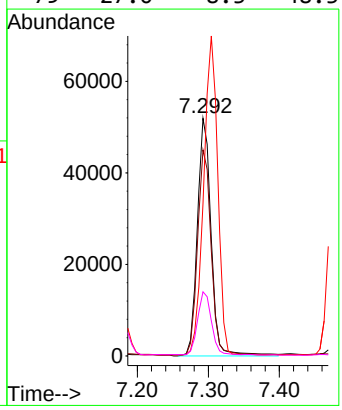


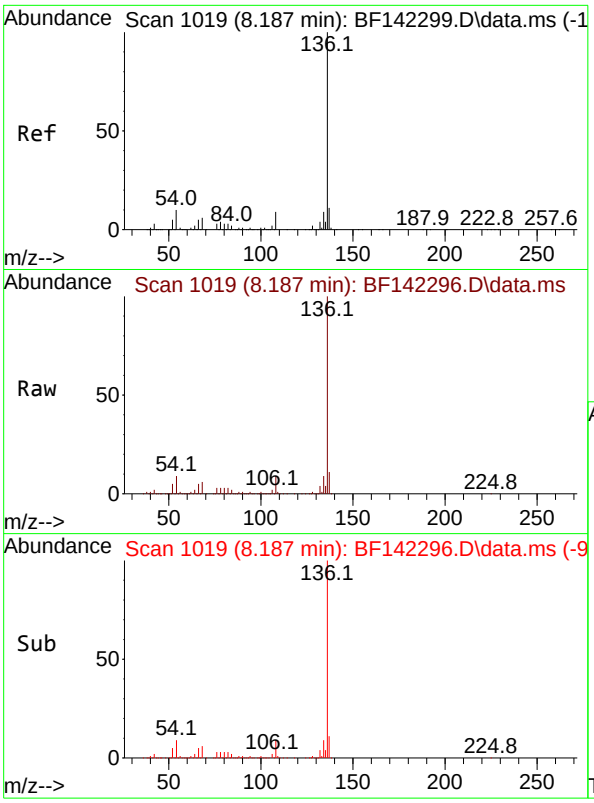


#20
3+4-Methylphenols
Concen: 5.351 ng
RT: 7.292 min Scan# 867
Delta R.T. -0.012 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:107 Resp: 70122

Ion	Ratio	Lower	Upper
107	100		
108	86.7	71.5	111.5
77	64.1	61.6	101.6
79	27.0	8.3	48.3



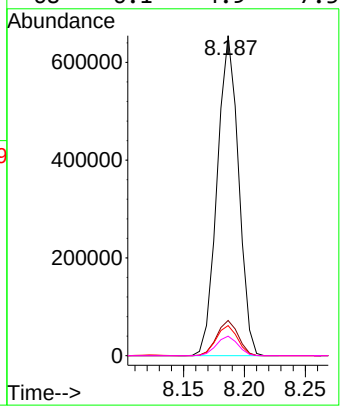


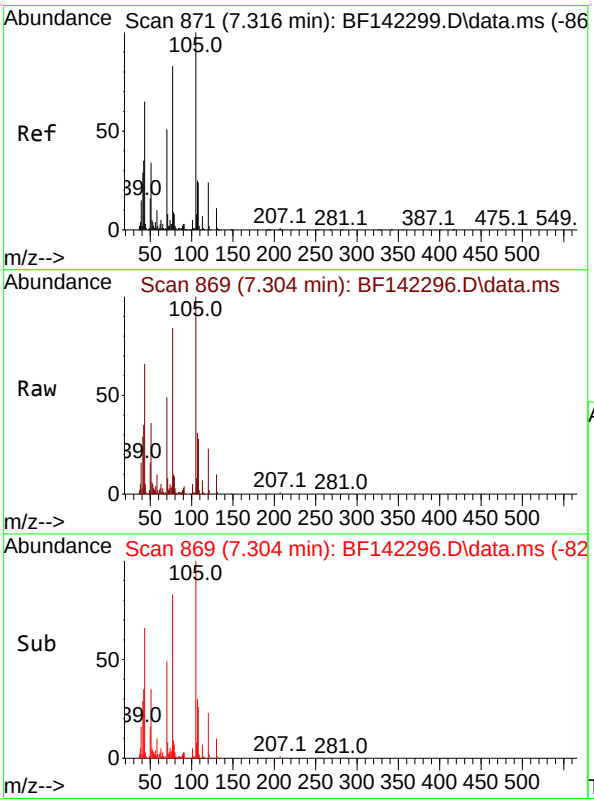
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:136 Resp: 800106

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	9.4	7.7	11.5
68	6.1	4.9	7.3

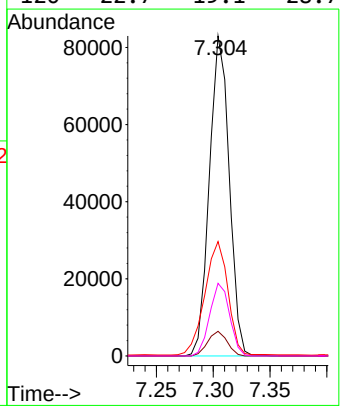


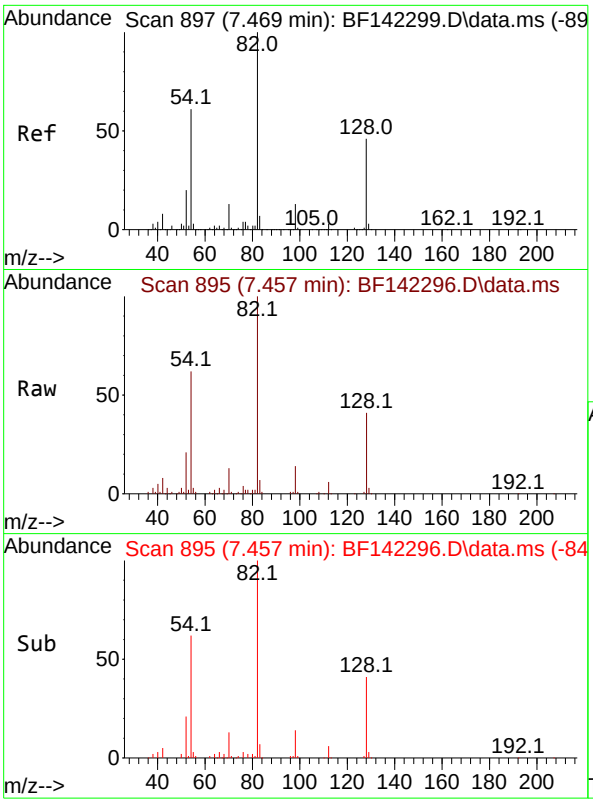


#22
Acetophenone
Concen: 5.677 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:105 Resp: 101001

Ion	Ratio	Lower	Upper
105	100		
71	7.7	6.7	10.1
51	35.8	27.6	41.4
120	22.7	19.1	28.7



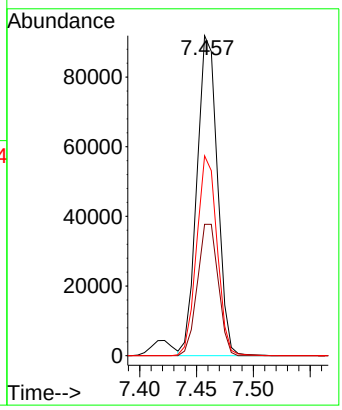


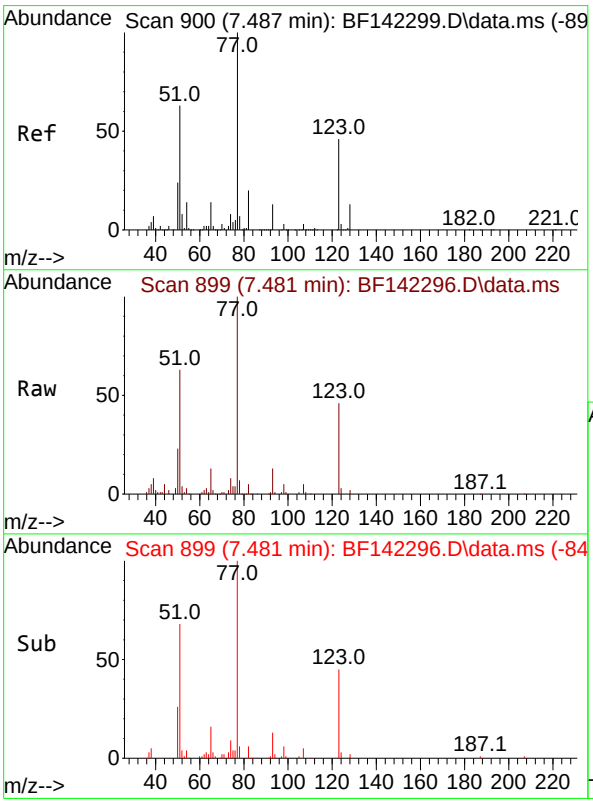
#23
Nitrobenzene-d5
Concen: 8.807 ng
RT: 7.457 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 115545

Ion	Ratio	Lower	Upper
82	100		
128	41.1	37.0	55.6
54	62.5	48.6	73.0

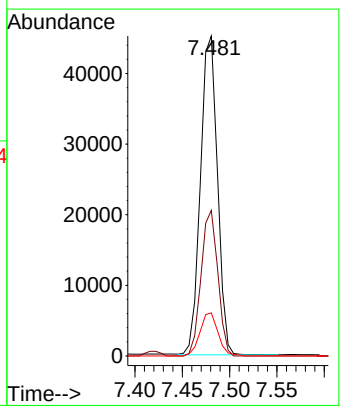


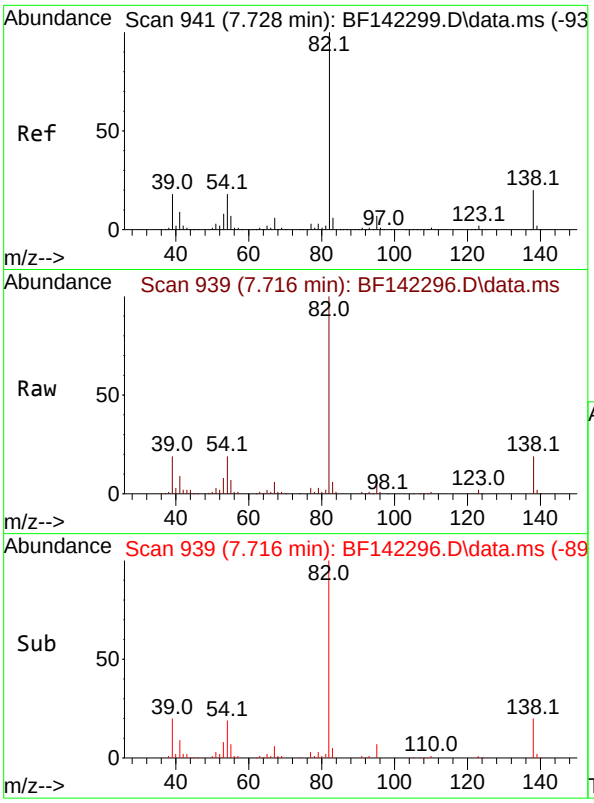


#24
Nitrobenzene
Concen: 4.551 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion: 77 Resp: 56276

Ion	Ratio	Lower	Upper
77	100		
123	45.5	37.8	56.8
65	13.4	11.4	17.0



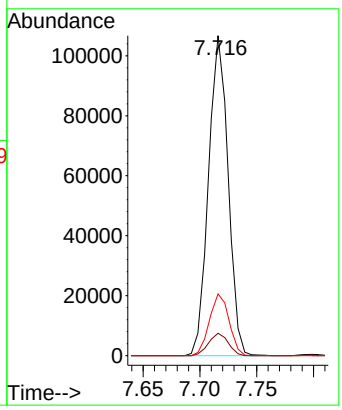


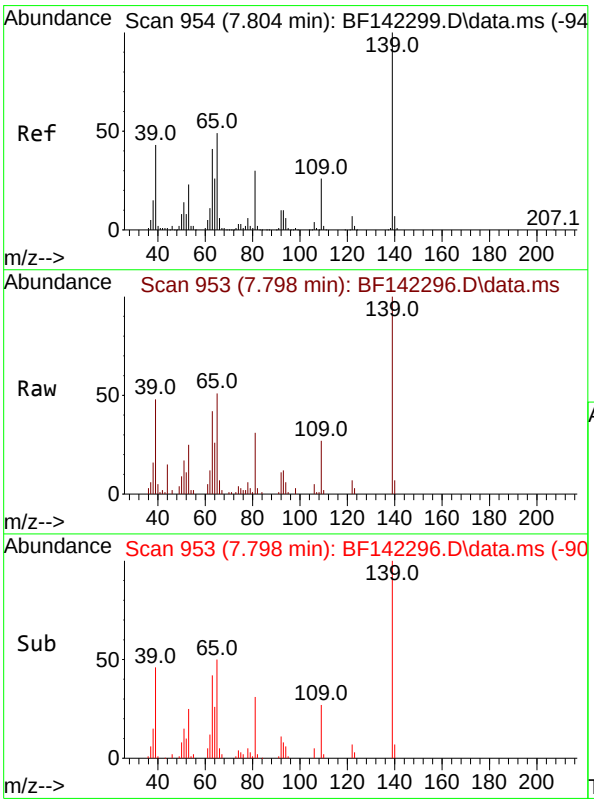
#25
Isophorone
Concen: 5.145 ng
RT: 7.716 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 127812

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.8	8.8
138	19.3	16.1	24.1

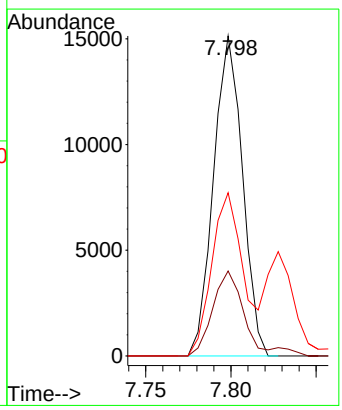


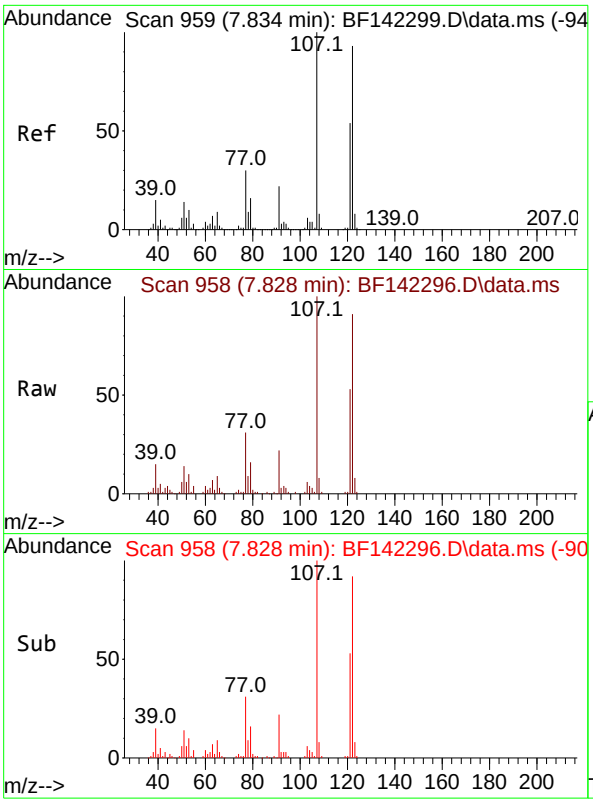


#26
2-Nitrophenol
Concen: 6.828 ng
RT: 7.798 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:139 Resp: 17854

Ion	Ratio	Lower	Upper
139	100		
109	26.5	20.8	31.2
65	51.0	38.9	58.3



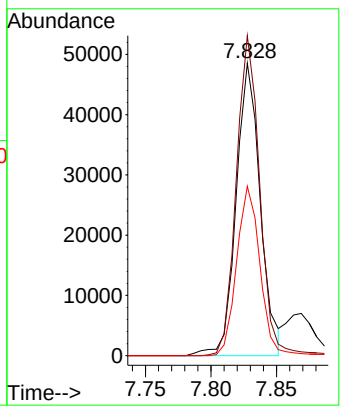


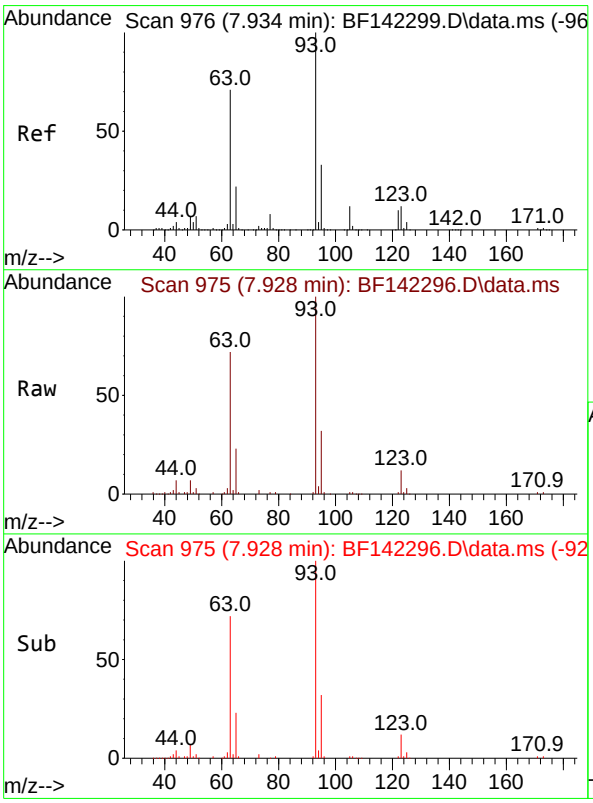
#27
2,4-Dimethylphenol
Concen: 4.981 ng
RT: 7.828 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:122 Resp: 62210

Ion	Ratio	Lower	Upper
122	100		
107	109.4	86.0	129.0
121	57.9	46.2	69.4

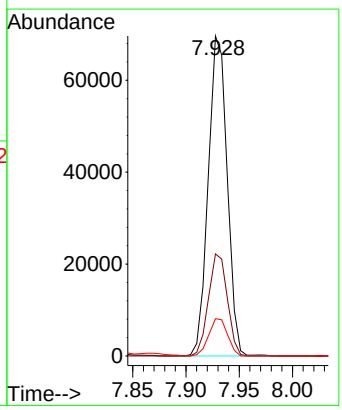


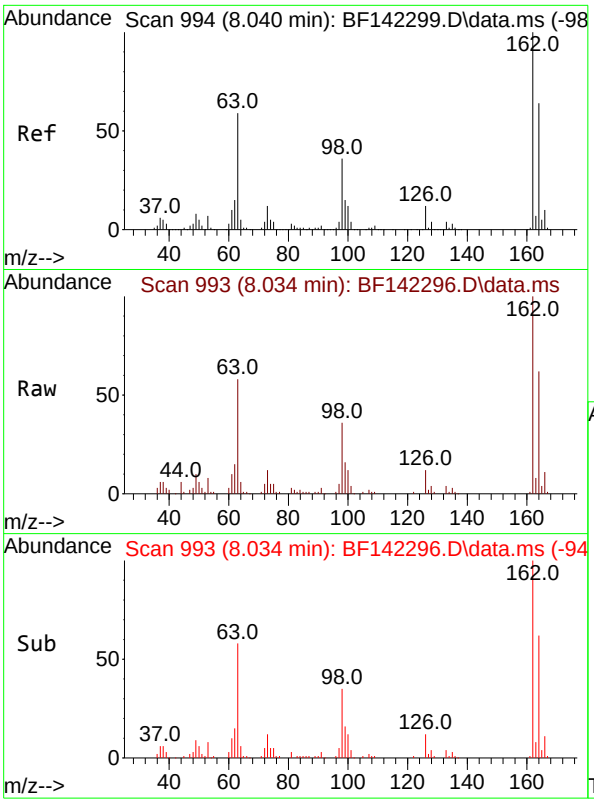


#28
bis(2-Chloroethoxy)methane
Concen: 5.385 ng
RT: 7.928 min Scan# 975
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion: 93 Resp: 86020

Ion	Ratio	Lower	Upper
93	100		
95	31.9	26.1	39.1
123	11.7	10.2	15.4



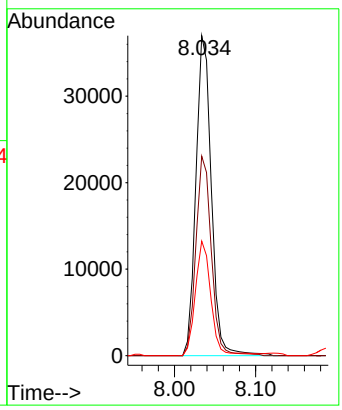


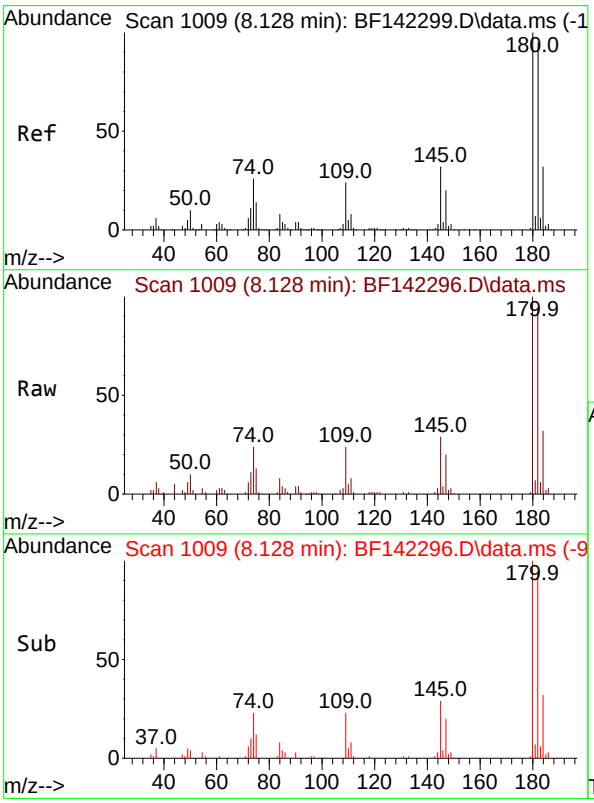
#29
2,4-Dichlorophenol
Concen: 4.615 ng
RT: 8.034 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 49005

Ion	Ratio	Lower	Upper
162	100		
164	62.4	43.6	83.6
98	35.8	16.5	56.5

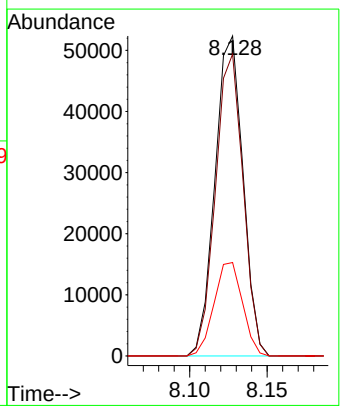


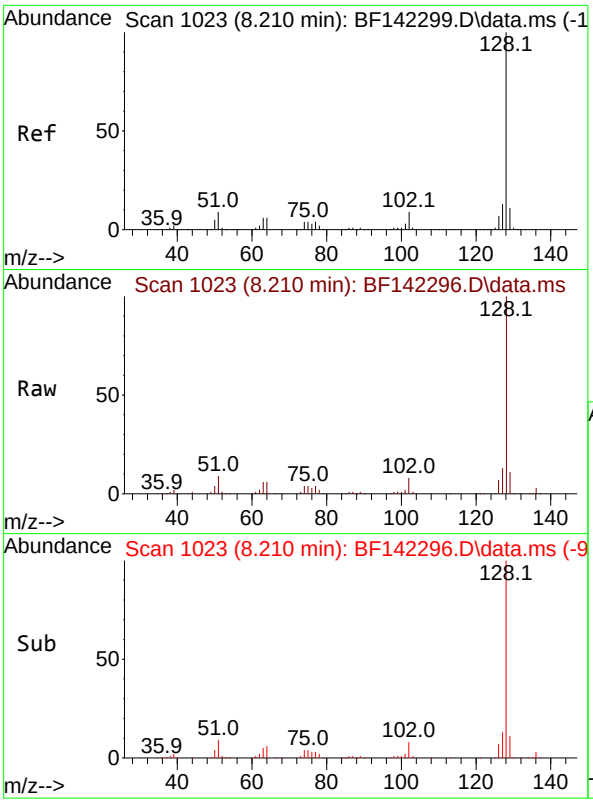


#30
1,2,4-Trichlorobenzene
Concen: 5.501 ng
RT: 8.128 min Scan# 1009
Delta R.T. -0.000 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:180 Resp: 65738

Ion	Ratio	Lower	Upper
180	100		
182	94.3	76.2	114.4
145	29.2	25.8	38.6



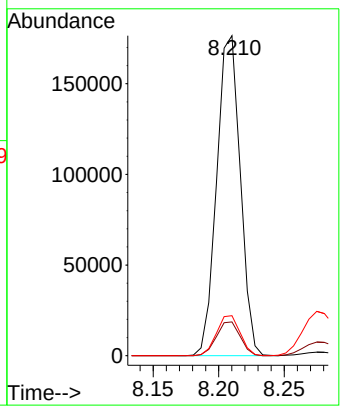


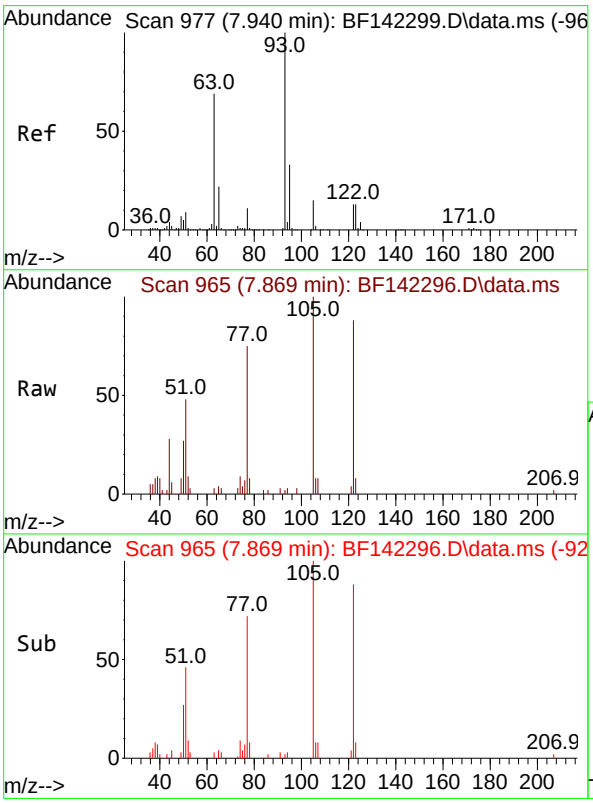
#31
Naphthalene
Concen: 5.684 ng
RT: 8.210 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:128 Resp: 220404

Ion	Ratio	Lower	Upper
128	100		
129	10.6	9.1	13.7
127	12.5	10.5	15.7

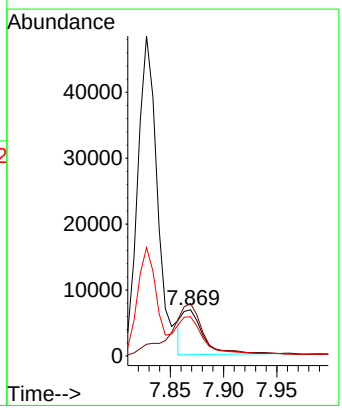


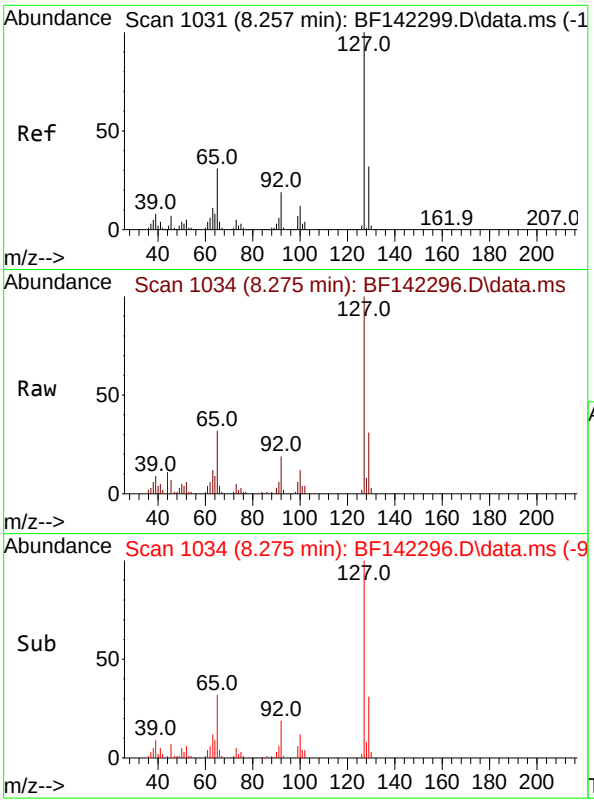


#32
Benzoic acid
Concen: 7.443 ng
RT: 7.869 min Scan# 965
Delta R.T. -0.071 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:122 Resp: 9308

Ion	Ratio	Lower	Upper
122	100		
105	113.6	97.9	137.9
77	84.7	67.7	107.7



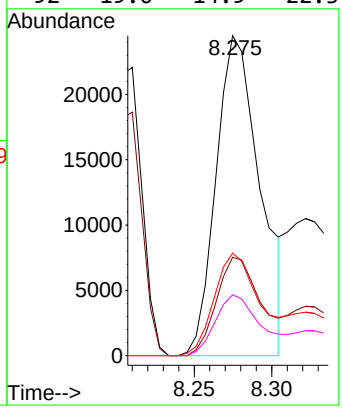


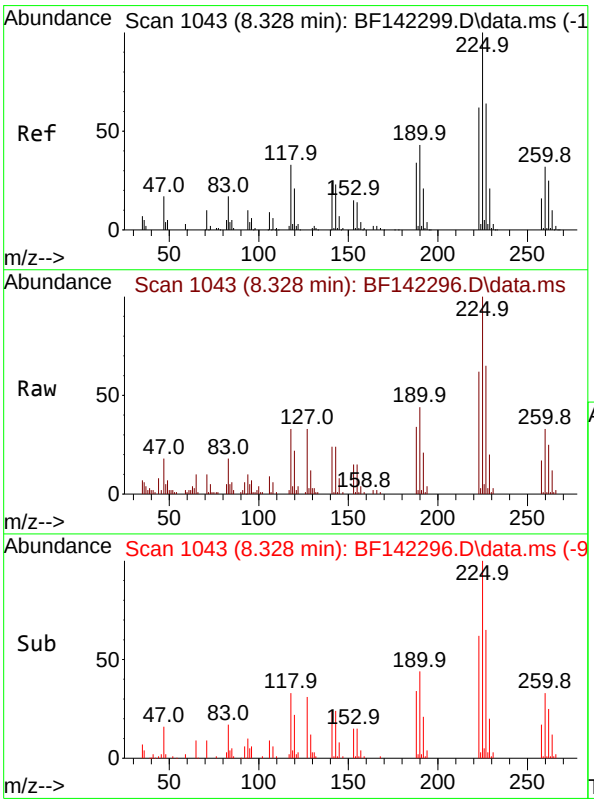
#33
4-Chloroaniline
Concen: 3.061 ng
RT: 8.275 min Scan# 1
Delta R.T. 0.018 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:127 Resp: 48341

Ion	Ratio	Lower	Upper
127	100		
129	30.8	25.7	38.5
65	32.1	24.9	37.3
92	19.0	14.9	22.3

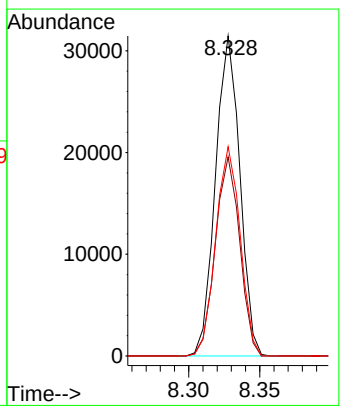


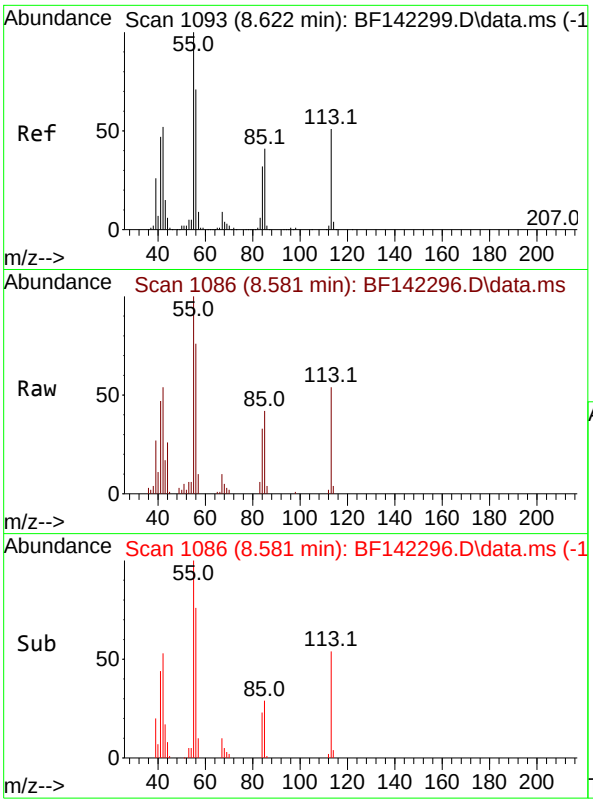


#34
Hexachlorobutadiene
Concen: 5.302 ng
RT: 8.328 min Scan# 1043
Delta R.T. -0.000 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:225 Resp: 37522

Ion	Ratio	Lower	Upper
225	100		
223	62.2	49.8	74.6
227	65.4	50.9	76.3



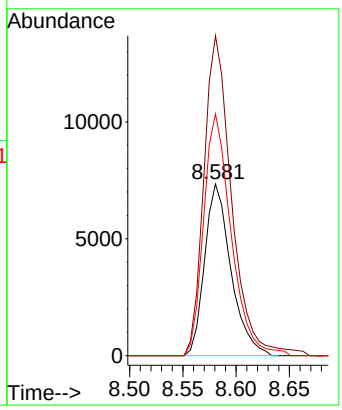


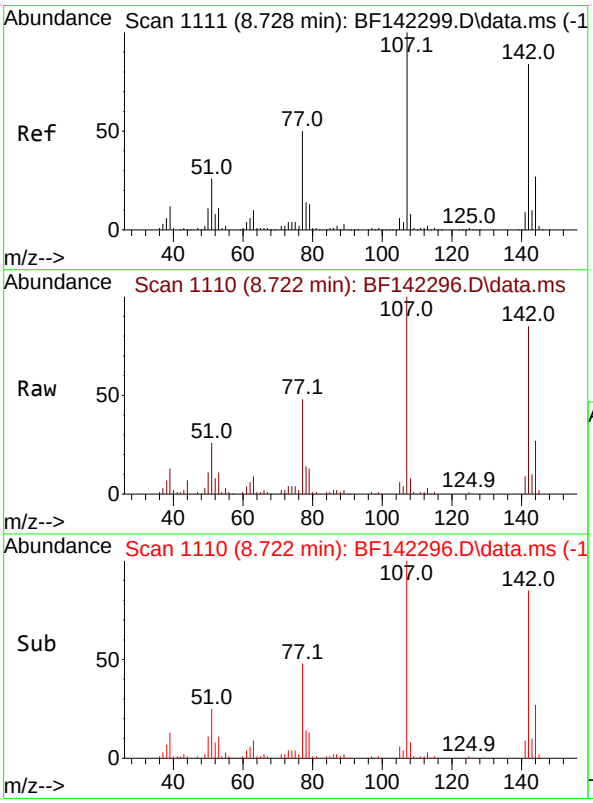
#35
Caprolactam
Concen: 4.085 ng
RT: 8.581 min Scan# 1
Delta R.T. -0.041 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:113 Resp: 12615

Ion	Ratio	Lower	Upper
113	100		
55	186.4	176.4	216.4
56	140.8	120.3	160.3

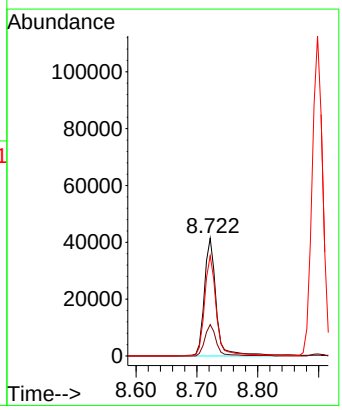


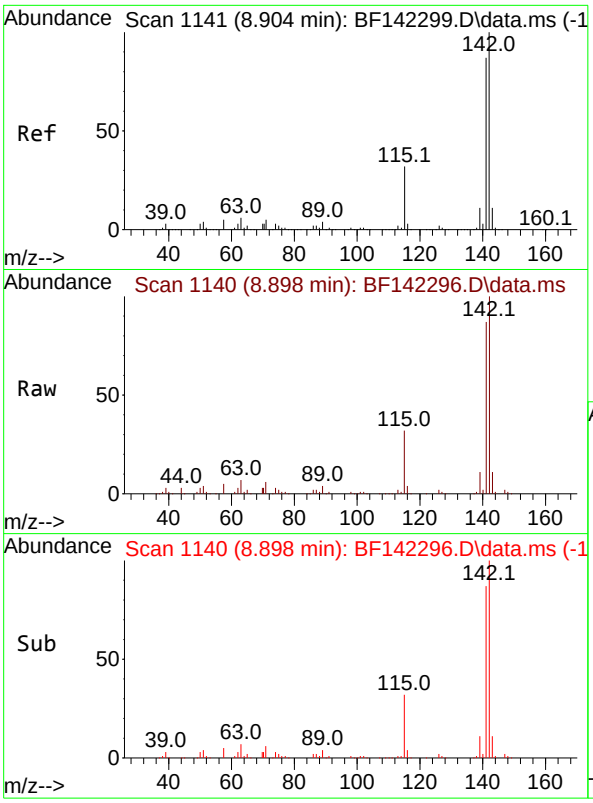


#36
4-Chloro-3-methylphenol
Concen: 5.083 ng
RT: 8.722 min Scan# 1110
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:107 Resp: 56110

Ion	Ratio	Lower	Upper
107	100		
144	26.7	21.3	31.9
142	85.1	66.9	100.3



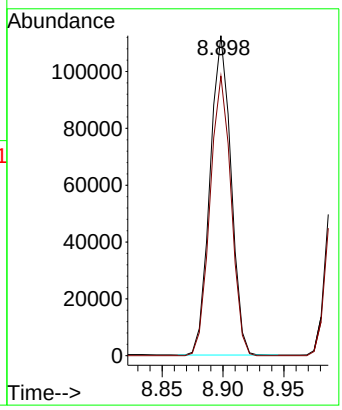


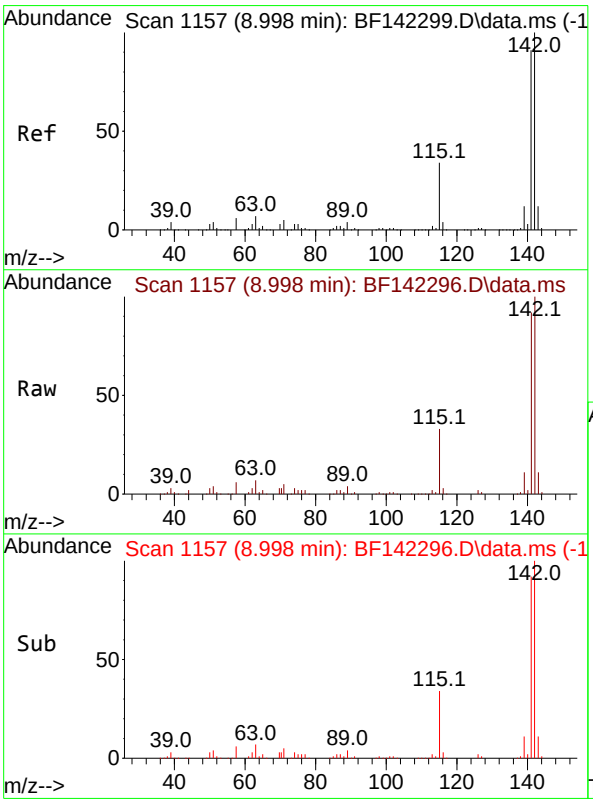
#37
2-Methylnaphthalene
Concen: 5.576 ng
RT: 8.898 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:142 Resp: 134367

Ion	Ratio	Lower	Upper
142	100		
141	87.3	69.4	104.2

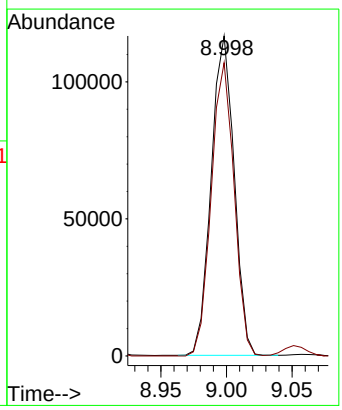


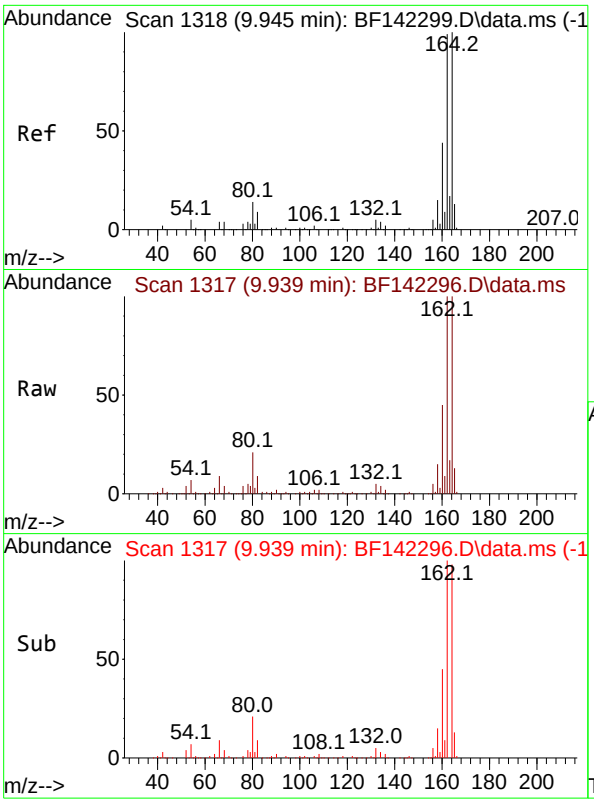


#38
1-Methylnaphthalene
Concen: 5.652 ng
RT: 8.998 min Scan# 1157
Delta R.T. -0.000 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:142 Resp: 141952

Ion	Ratio	Lower	Upper
142	100		
141	91.6	72.5	108.7



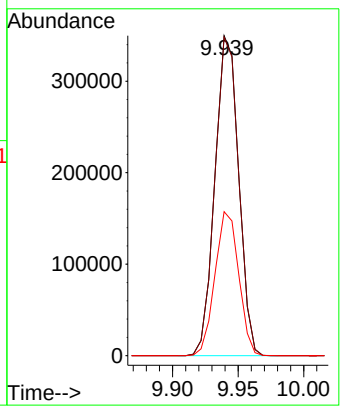


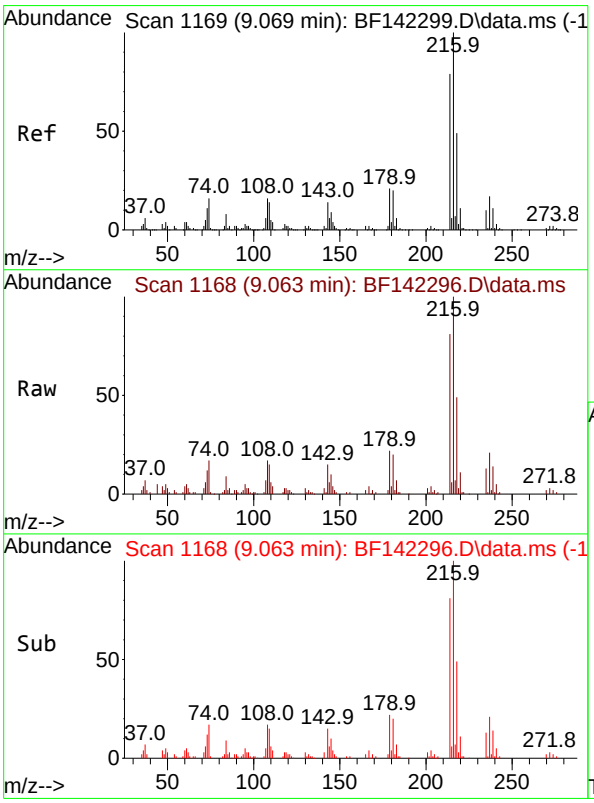
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:164 Resp: 439288

Ion	Ratio	Lower	Upper
164	100		
162	99.6	79.2	118.8
160	45.0	35.3	52.9

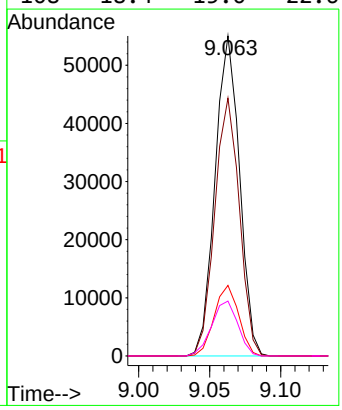


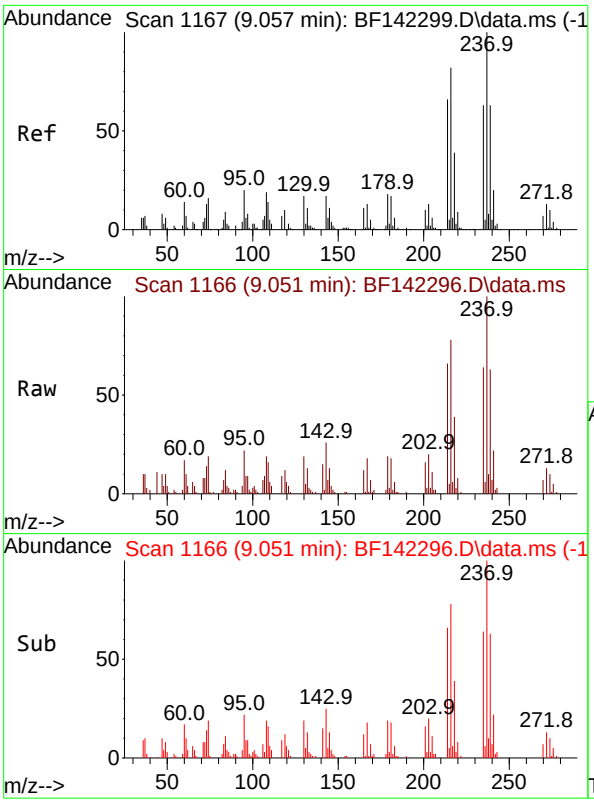


#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.370 ng
RT: 9.063 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:216 Resp: 65890

Ion	Ratio	Lower	Upper
216	100		
214	81.0	63.8	95.6
179	22.1	17.0	25.6
108	18.4	15.0	22.6



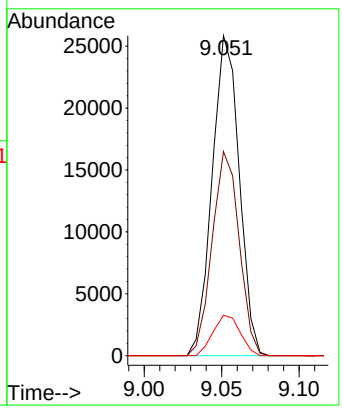


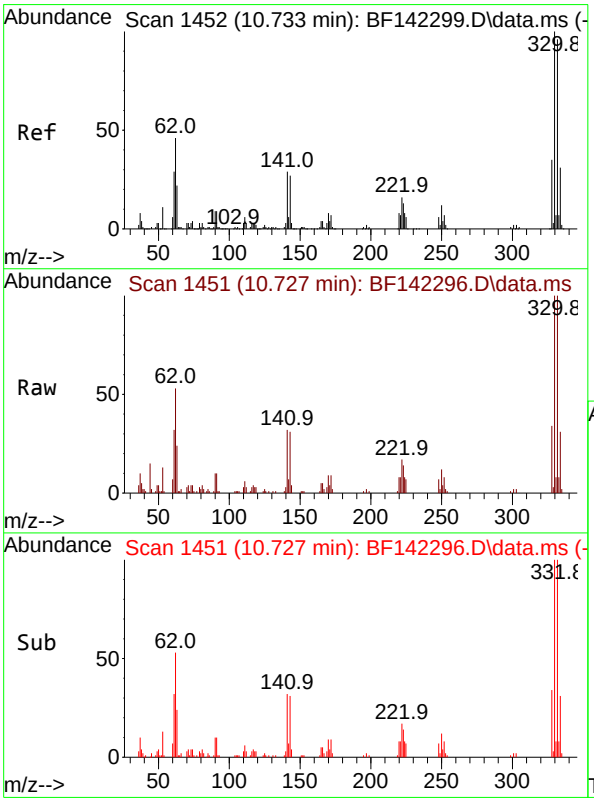
#41
Hexachlorocyclopentadiene
Concen: 4.140 ng
RT: 9.051 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:237 Resp: 31389

Ion	Ratio	Lower	Upper
237	100		
235	63.8	42.8	82.8
272	12.7	0.0	33.0

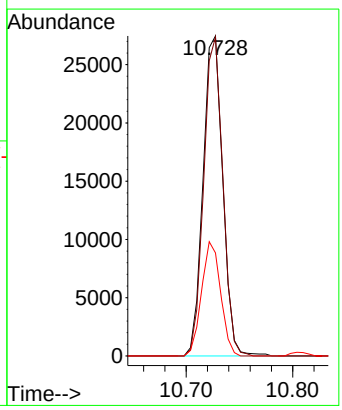


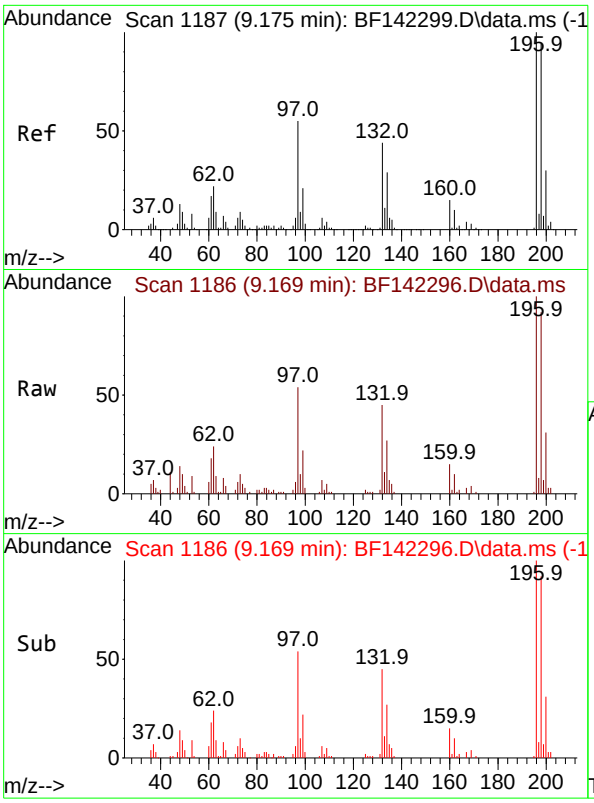


#42
2,4,6-Tribromophenol
Concen: 8.322 ng
RT: 10.727 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:330 Resp: 35296

Ion	Ratio	Lower	Upper
330	100		
332	96.3	76.8	115.2
141	34.6	24.9	37.3



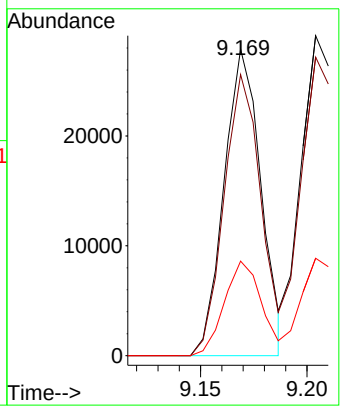


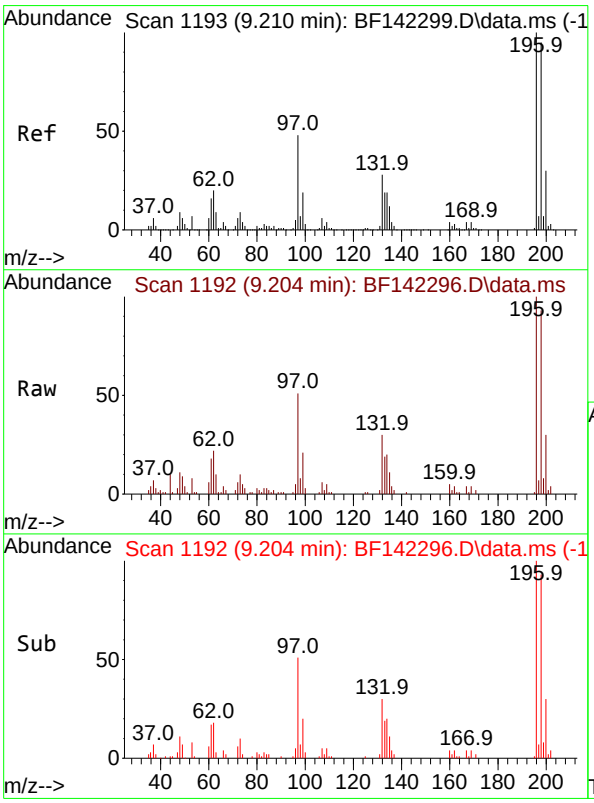
#43
2,4,6-Trichlorophenol
Concen: 4.346 ng
RT: 9.169 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:196 Resp: 33630

Ion	Ratio	Lower	Upper
196	100		
198	91.7	75.4	113.0
200	30.8	24.3	36.5

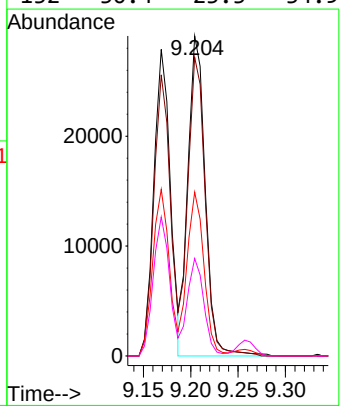


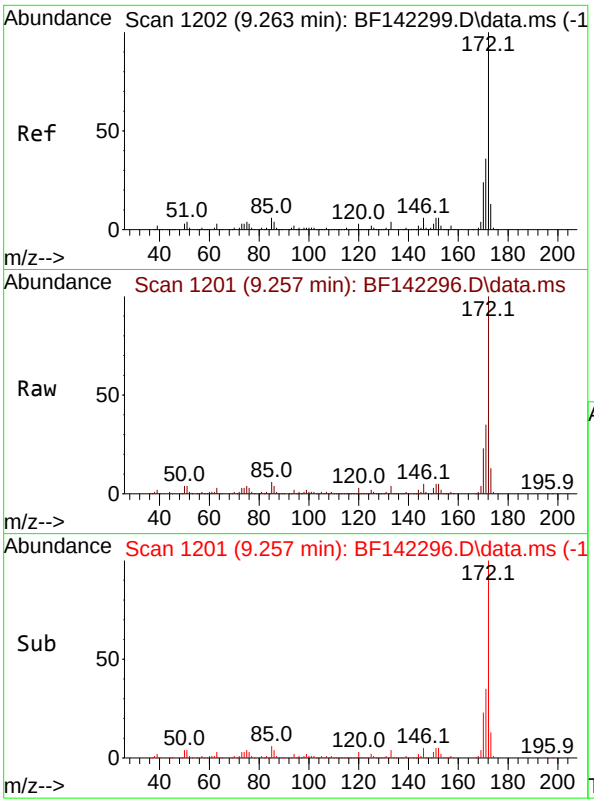


#44
2,4,5-Trichlorophenol
Concen: 4.522 ng
RT: 9.204 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:196 Resp: 37237

Ion	Ratio	Lower	Upper
196	100		
198	93.3	76.1	114.1
97	51.2	39.0	58.4
132	30.4	23.3	34.9



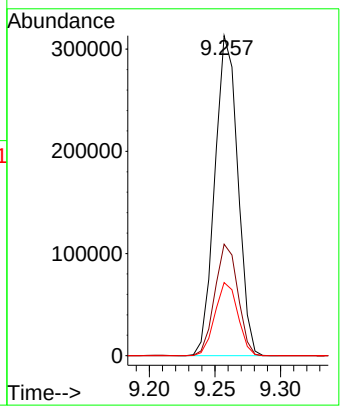


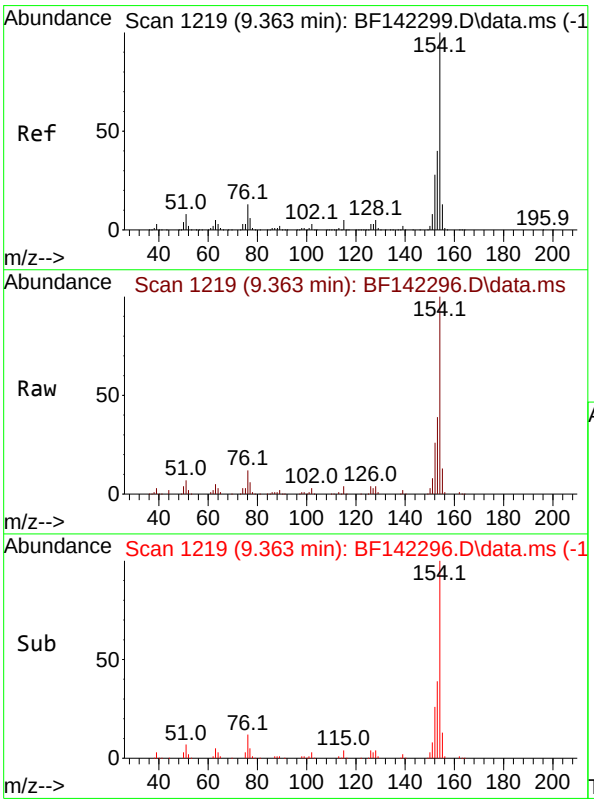
#45
2-Fluorobiphenyl
Concen: 12.383 ng
RT: 9.257 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:172 Resp: 381508

Ion	Ratio	Lower	Upper
172	100		
171	34.8	28.6	42.8
170	22.8	19.0	28.4

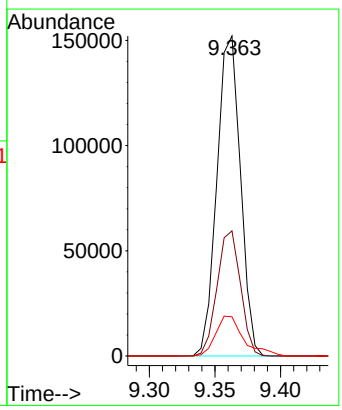


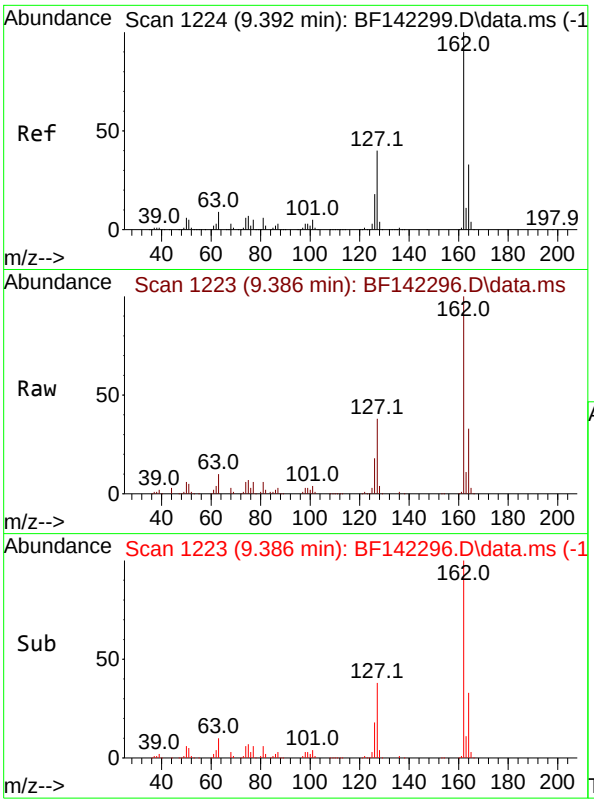


#46
1,1'-Biphenyl
Concen: 5.631 ng
RT: 9.363 min Scan# 1219
Delta R.T. -0.000 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:154 Resp: 189666

Ion	Ratio	Lower	Upper
154	100		
153	39.1	20.5	60.5
76	12.3	0.0	32.8



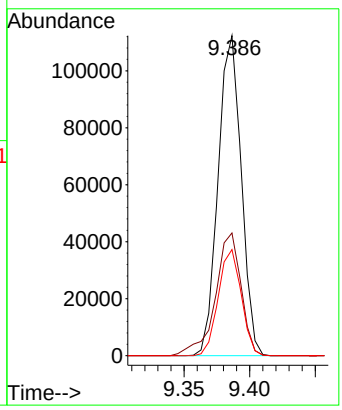


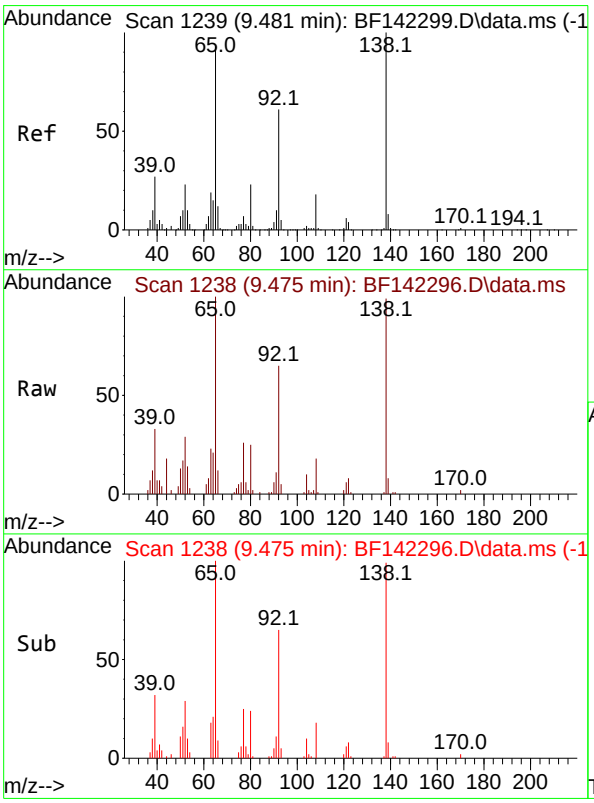
#47
2-Chloronaphthalene
Concen: 5.506 ng
RT: 9.386 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:162 Resp: 137929

Ion	Ratio	Lower	Upper
162	100		
127	38.4	32.3	48.5
164	33.2	26.6	40.0

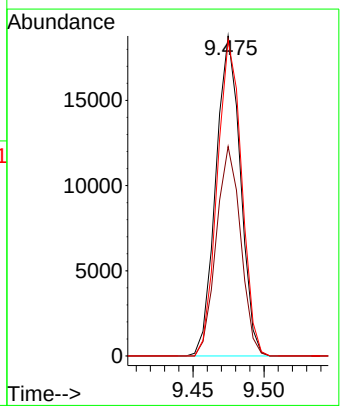


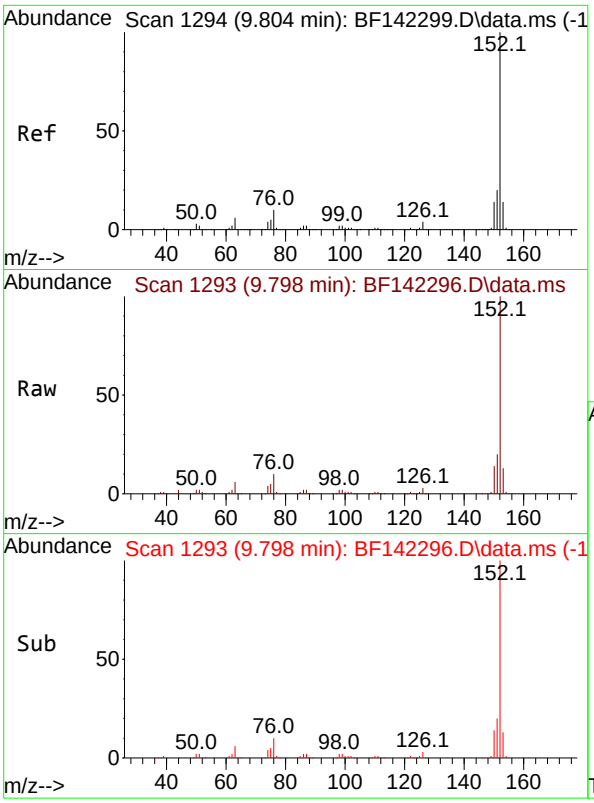


#48
2-Nitroaniline
Concen: 3.510 ng
RT: 9.475 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion: 65 Resp: 22539

Ion	Ratio	Lower	Upper
65	100		
92	65.5	52.3	78.5
138	98.7	85.6	128.4



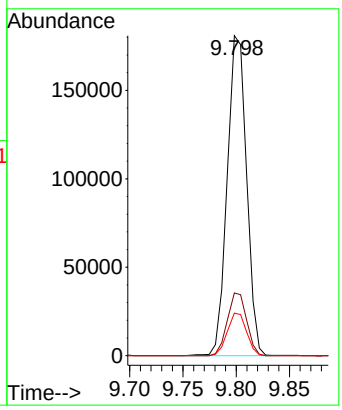


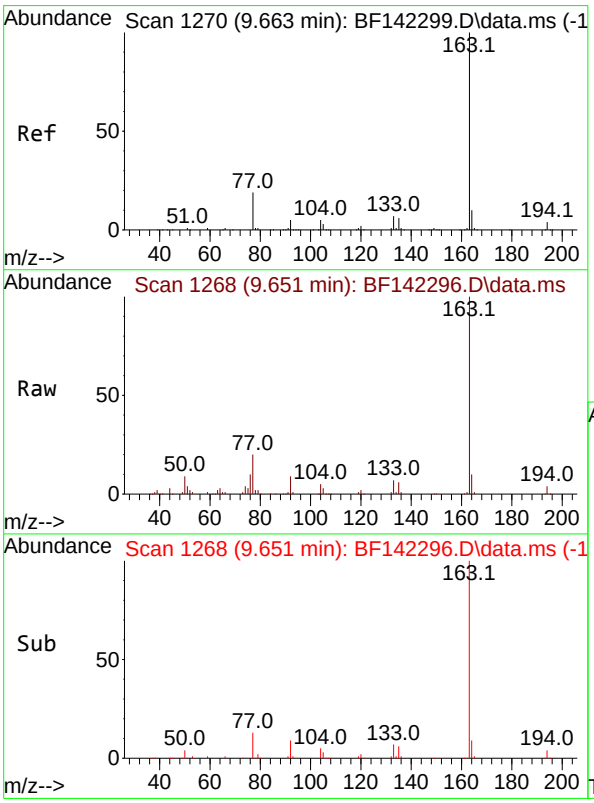
#49
Acenaphthylene
Concen: 5.460 ng
RT: 9.798 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:152 Resp: 228773

Ion	Ratio	Lower	Upper
152	100		
151	19.6	16.0	24.0
153	13.3	10.8	16.2

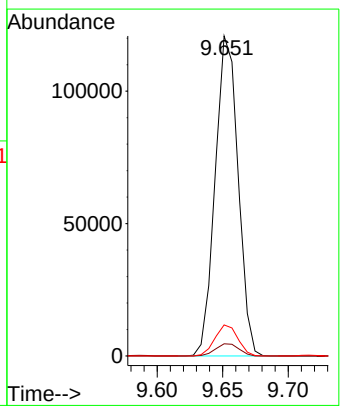


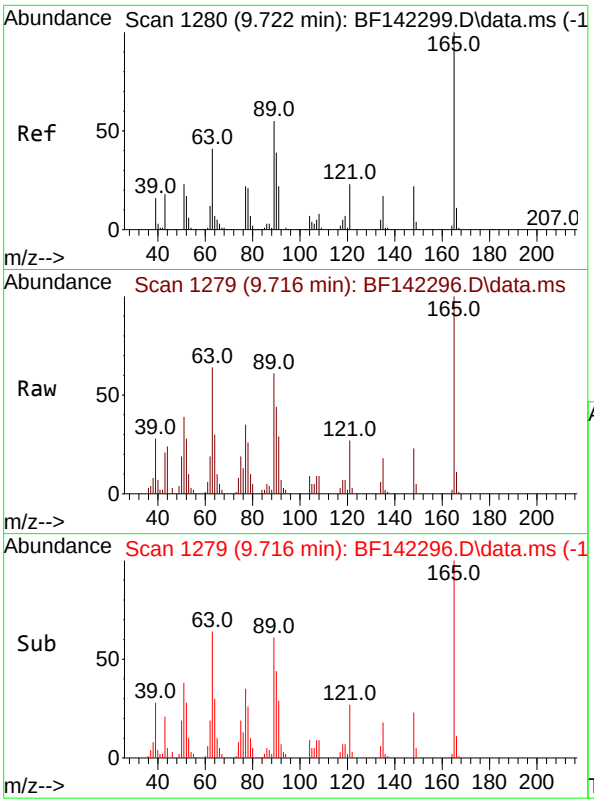


#50
Dimethylphthalate
Concen: 5.208 ng
RT: 9.651 min Scan# 1268
Delta R.T. -0.012 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:163 Resp: 146916

Ion	Ratio	Lower	Upper
163	100		
194	3.8	3.2	4.8
164	9.7	8.3	12.5



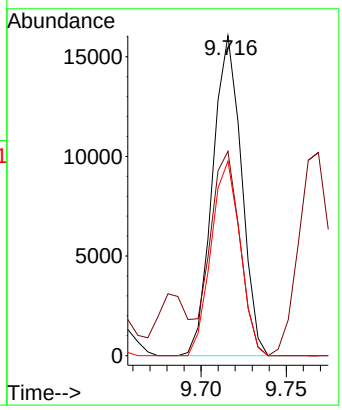


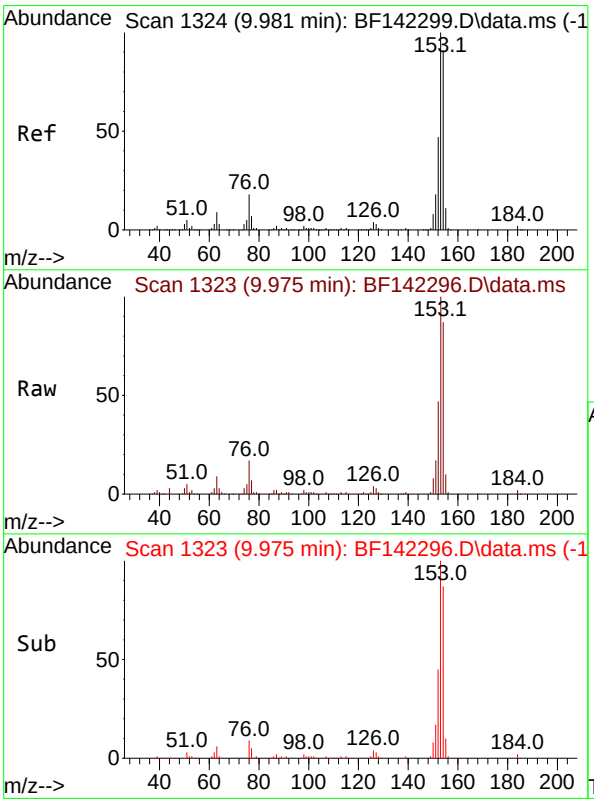
#51
2,6-Dinitrotoluene
Concen: 3.586 ng
RT: 9.716 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:165 Resp: 18933

Ion	Ratio	Lower	Upper
165	100		
63	63.8	49.5	74.3
89	60.8	44.6	66.8

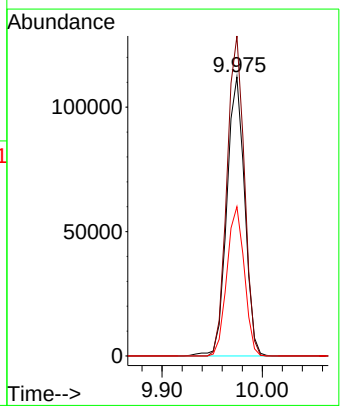


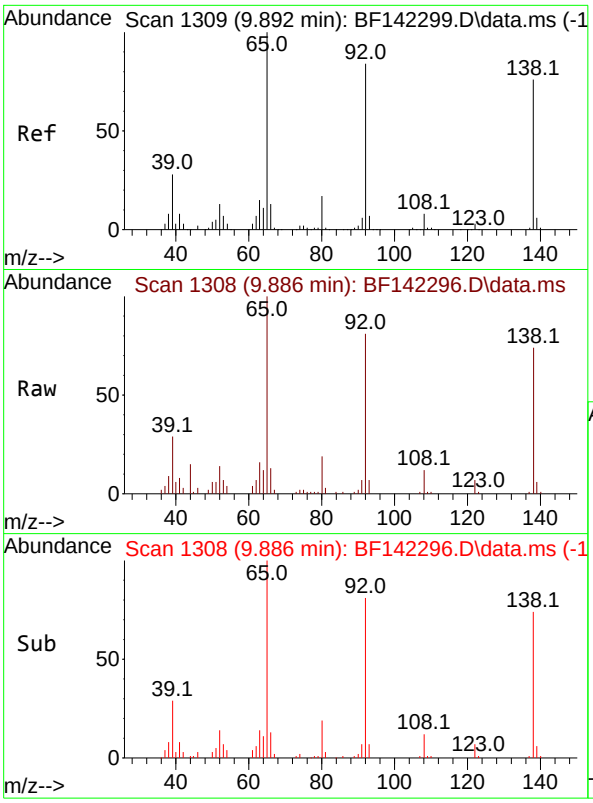


#52
Acenaphthene
Concen: 5.492 ng
RT: 9.975 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:154 Resp: 138379

Ion	Ratio	Lower	Upper
154	100		
153	114.7	88.0	132.0
152	53.5	41.6	62.4



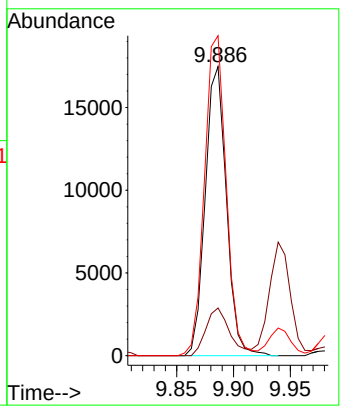


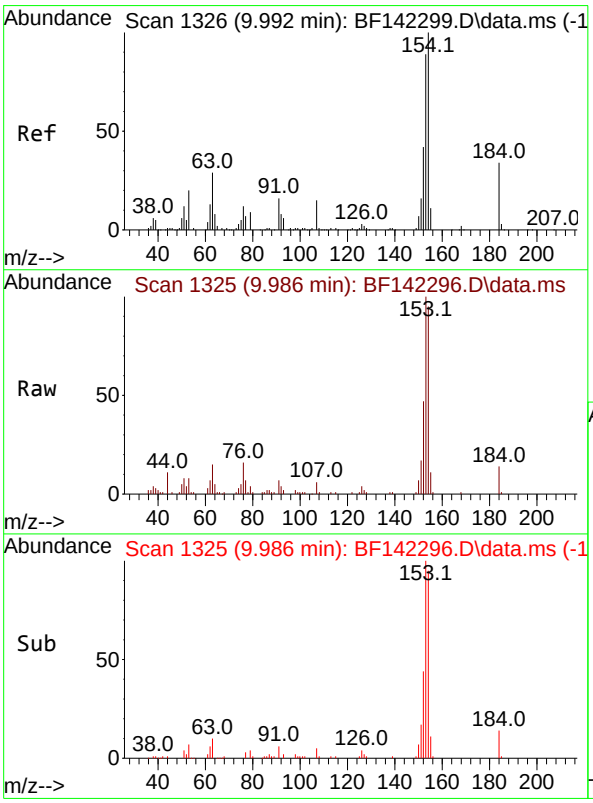
#53
3-Nitroaniline
Concen: 3.659 ng
RT: 9.886 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:138 Resp: 22656

Ion	Ratio	Lower	Upper
138	100		
108	16.5	8.7	13.1#
92	110.7	89.5	134.3

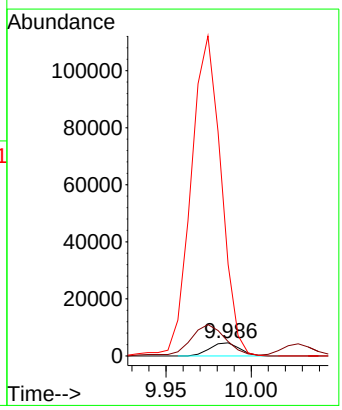


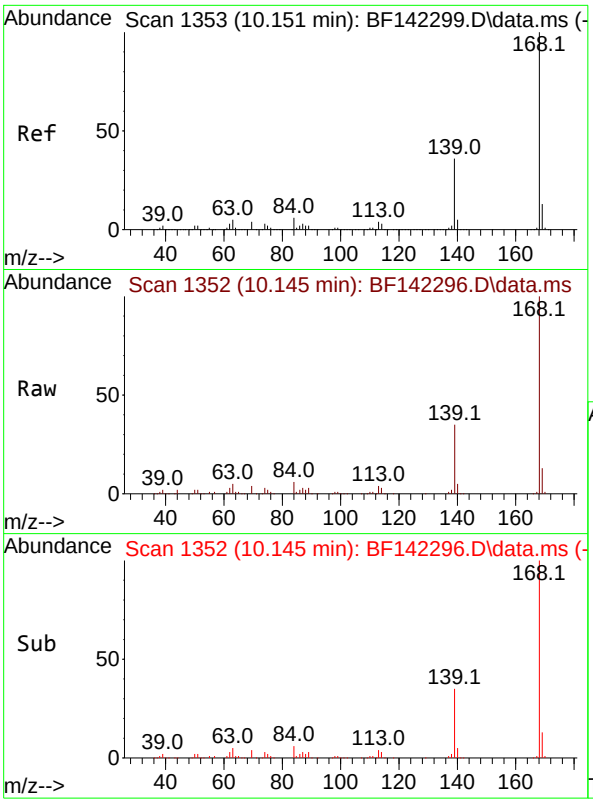


#54
2,4-Dinitrophenol
Concen: 9.497 ng
RT: 9.986 min Scan# 1325
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:184 Resp: 5605

Ion	Ratio	Lower	Upper
184	100		
63	109.2	70.6	105.8#
154	692.8	257.2	385.8#



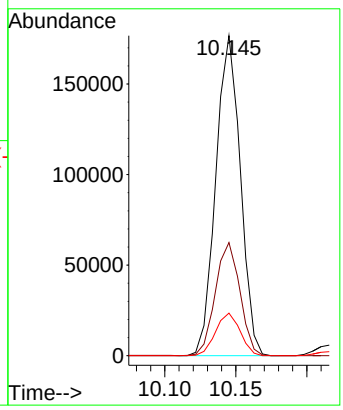


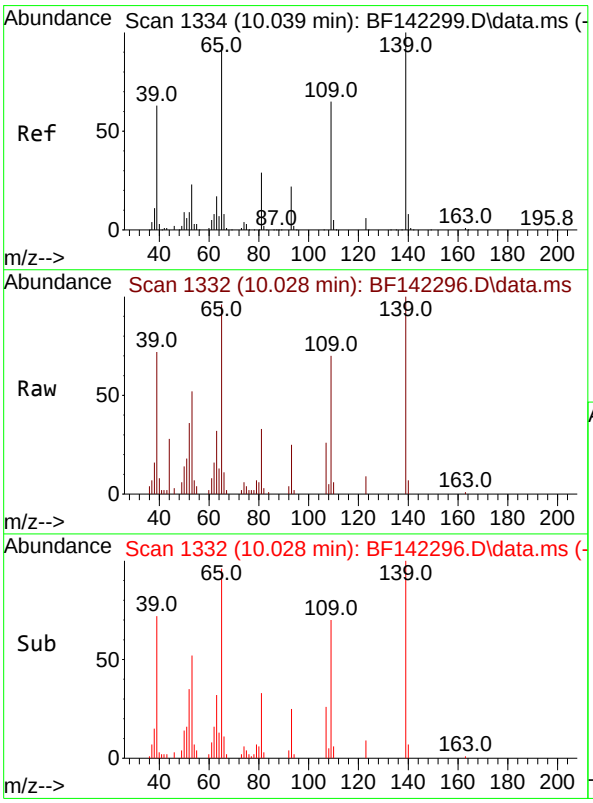
#55
Dibenzofuran
Concen: 5.706 ng
RT: 10.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:168 Resp: 212190

Ion	Ratio	Lower	Upper
168	100		
139	35.3	29.0	43.4
169	13.3	10.7	16.1

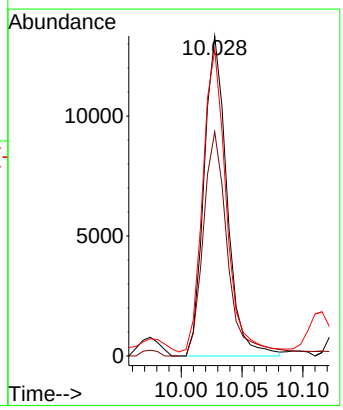


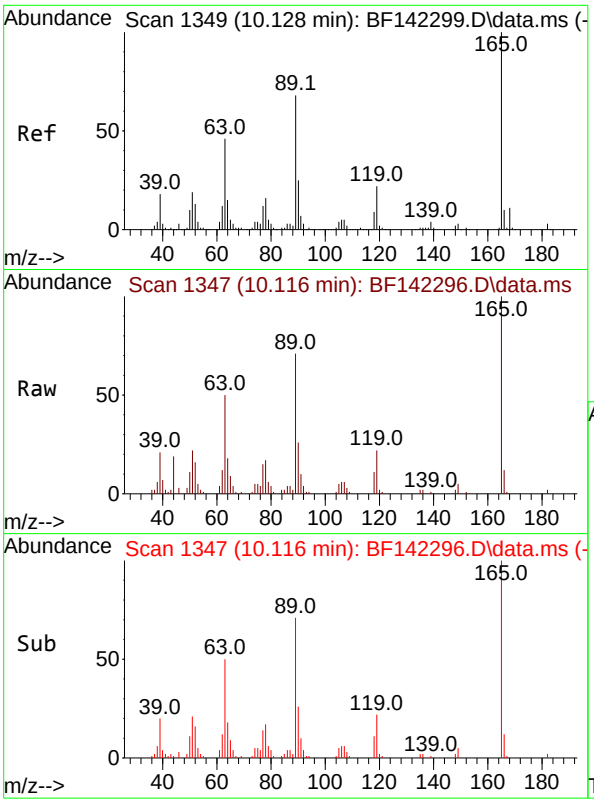


#56
4-Nitrophenol
Concen: 3.743 ng
RT: 10.028 min Scan# 1332
Delta R.T. -0.012 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:139 Resp: 17445

Ion	Ratio	Lower	Upper
139	100		
109	70.1	45.3	85.3
65	95.8	73.9	113.9



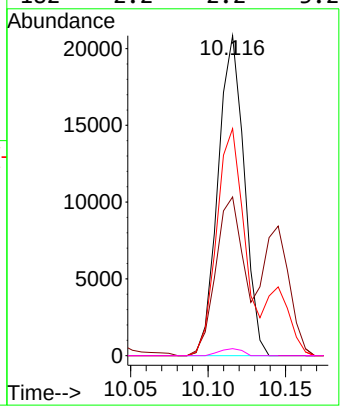


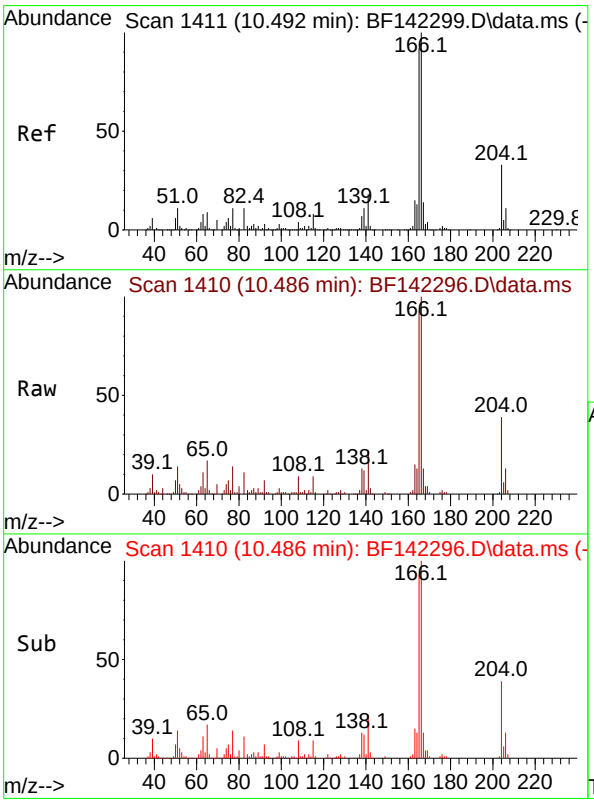
#57
2,4-Dinitrotoluene
Concen: 3.605 ng
RT: 10.116 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:165 Resp: 24415

Ion	Ratio	Lower	Upper
165	100		
63	49.6	37.1	55.7
89	71.0	54.4	81.6
182	2.2	2.2	3.2

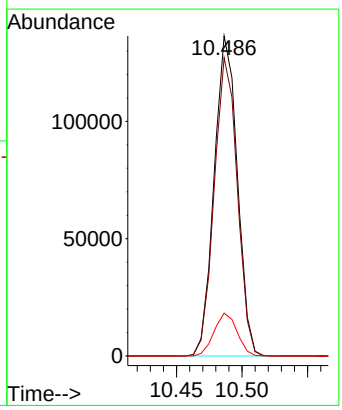


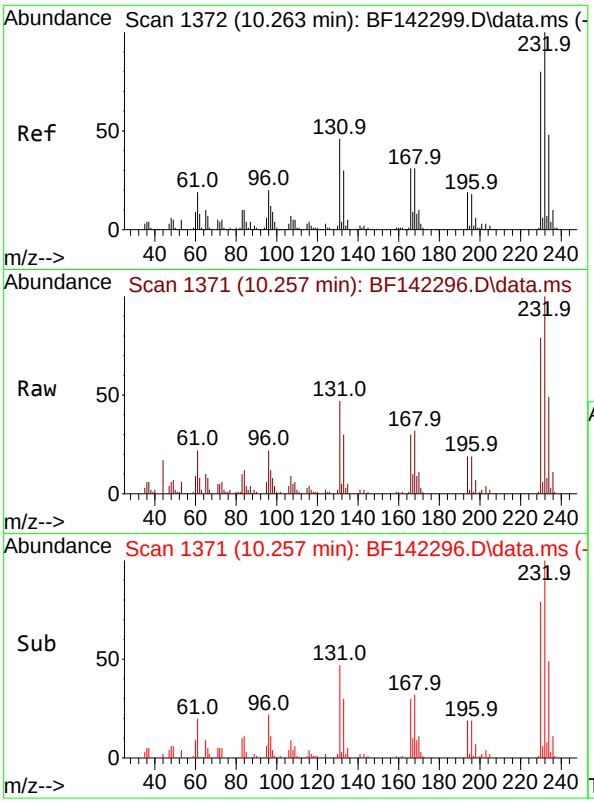


#58
Fluorene
Concen: 5.886 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:166 Resp: 167029

Ion	Ratio	Lower	Upper
166	100		
165	93.2	74.0	111.0
167	13.4	10.9	16.3



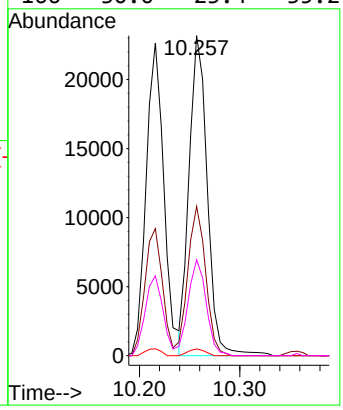


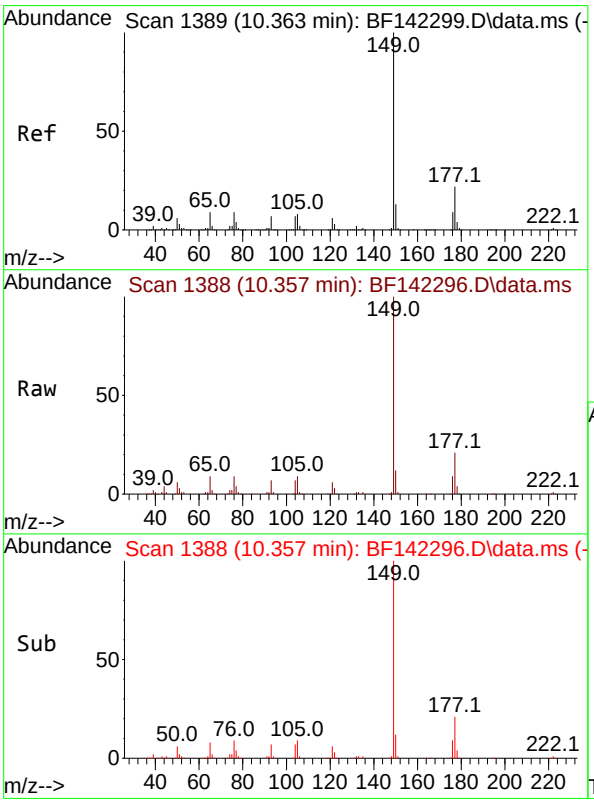
#59
2,3,4,6-Tetrachlorophenol
Concen: 4.301 ng
RT: 10.257 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:232 Resp: 29233

Ion	Ratio	Lower	Upper
232	100		
131	46.0	36.0	54.0
130	1.9	1.8	2.6
166	30.0	23.4	35.2

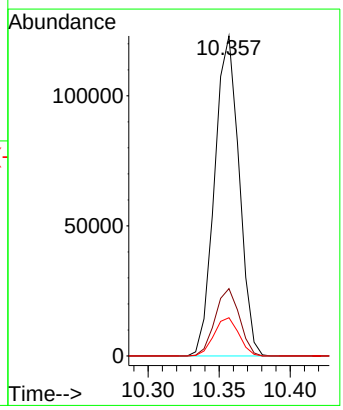


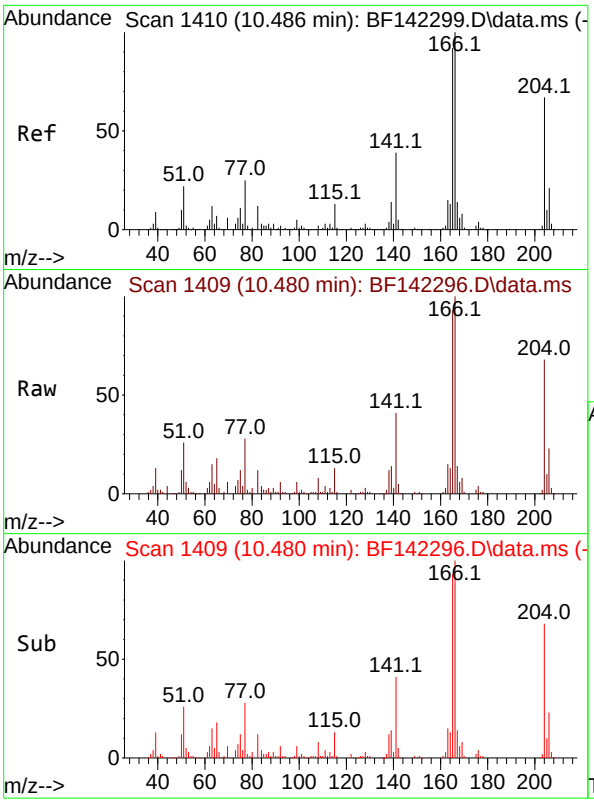


#60
Diethylphthalate
Concen: 5.241 ng
RT: 10.357 min Scan# 1388
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:149 Resp: 147649

Ion	Ratio	Lower	Upper
149	100		
177	21.1	17.6	26.4
150	12.0	10.1	15.1



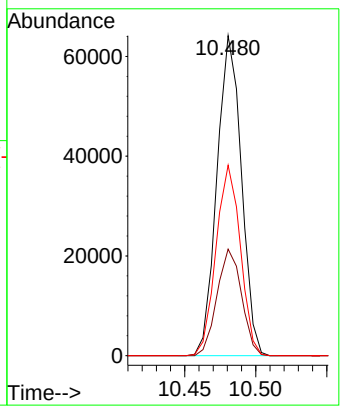


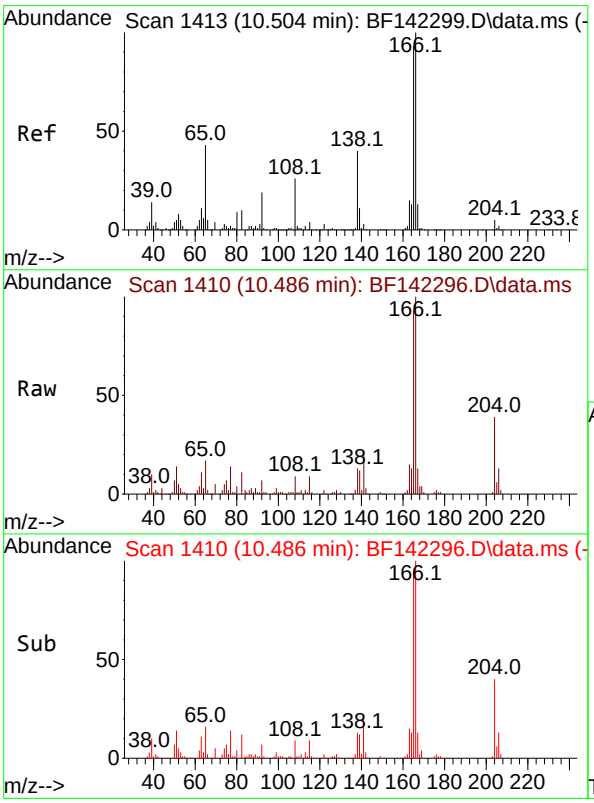
#61
4-Chlorophenyl-phenylether
Concen: 5.608 ng
RT: 10.480 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:204 Resp: 76782

Ion	Ratio	Lower	Upper
204	100		
206	33.3	25.5	38.3
141	59.5	46.4	69.6

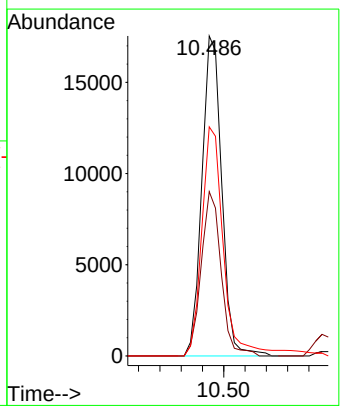


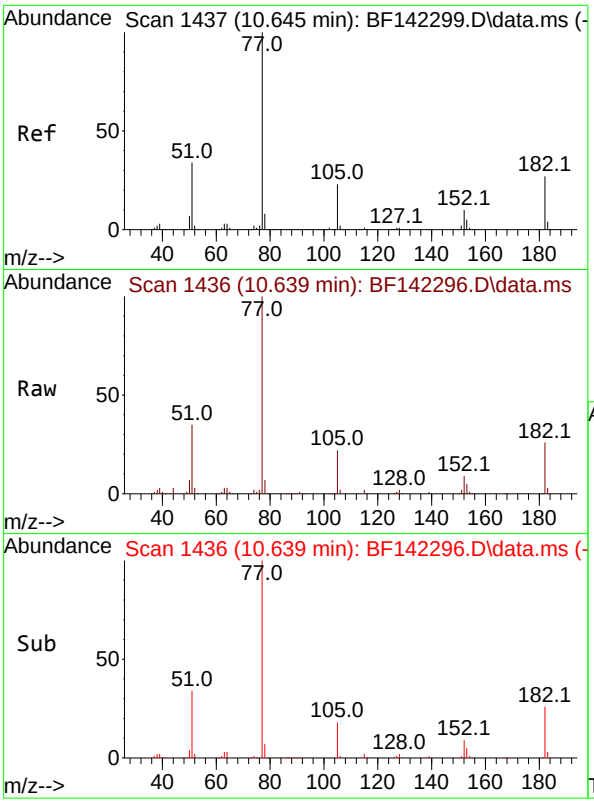


#62
4-Nitroaniline
Concen: 4.632 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.018 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:138 Resp: 22736

Ion	Ratio	Lower	Upper
138	100		
92	51.4	27.3	67.3
108	71.6	45.1	85.1



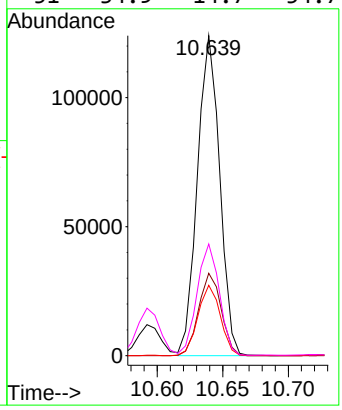


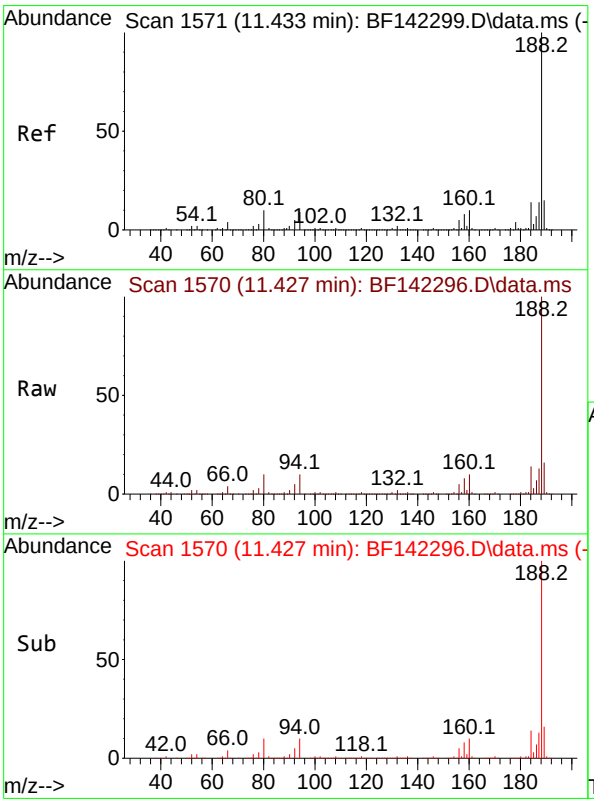
#63
Azobenzene
Concen: 5.460 ng
RT: 10.639 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 77 Resp: 146968

Ion	Ratio	Lower	Upper
77	100		
182	25.7	6.9	46.9
105	22.0	2.7	42.7
51	34.9	14.7	54.7

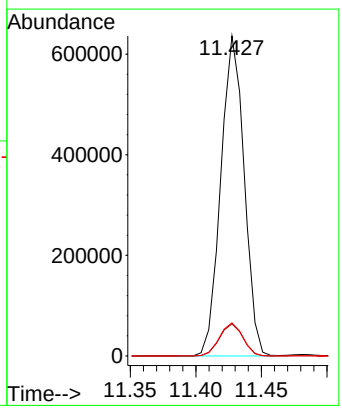


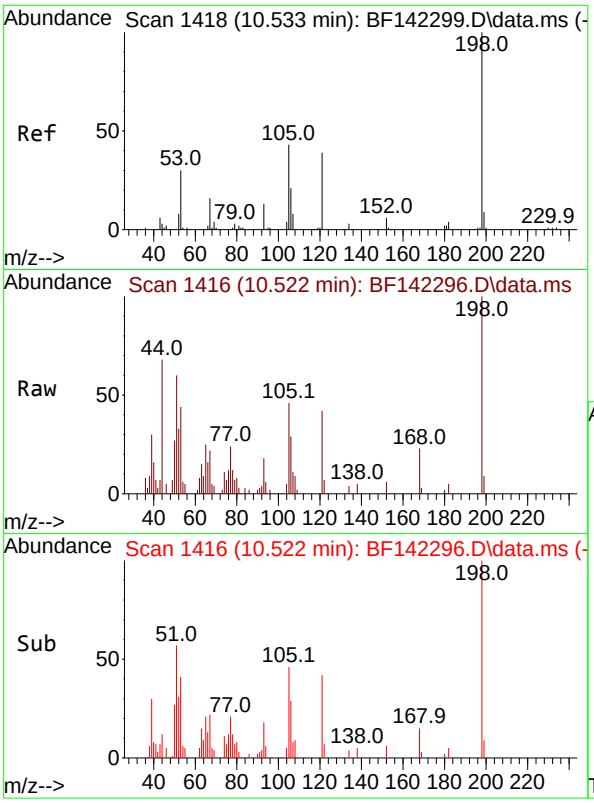


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:188 Resp: 788007

Ion	Ratio	Lower	Upper
188	100		
94	10.1	7.5	11.3
80	10.4	7.9	11.9



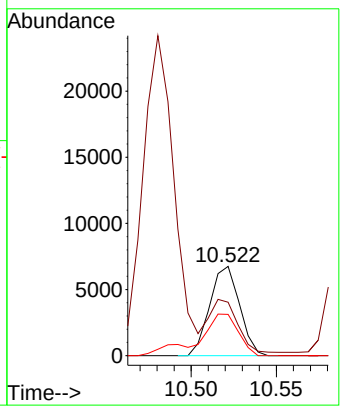


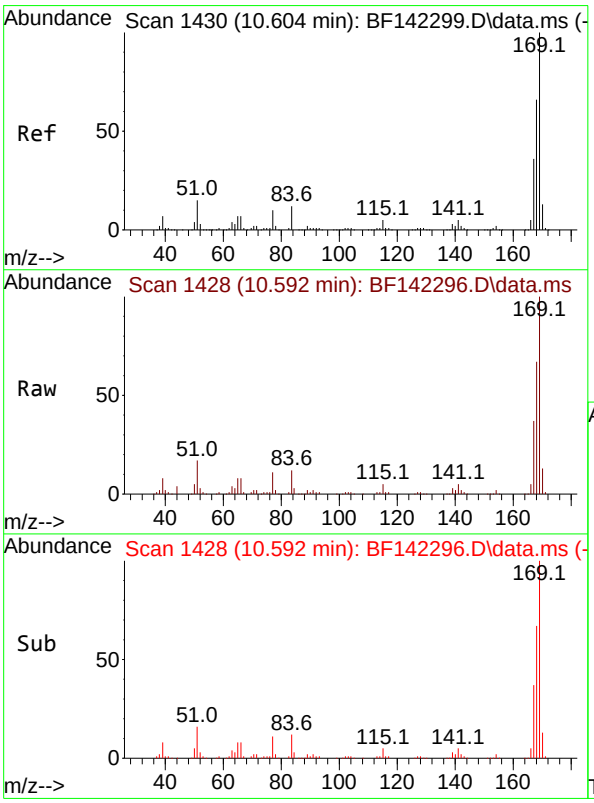
#65
4,6-Dinitro-2-methylphenol
Concen: 9.085 ng
RT: 10.522 min Scan# 14
Delta R.T. -0.011 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:198 Resp: 8208

Ion	Ratio	Lower	Upper
198	100		
51	60.0	32.9	72.9
105	46.2	23.7	63.7

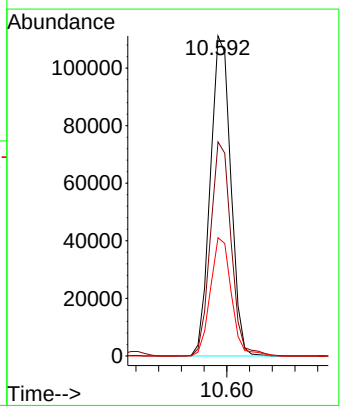


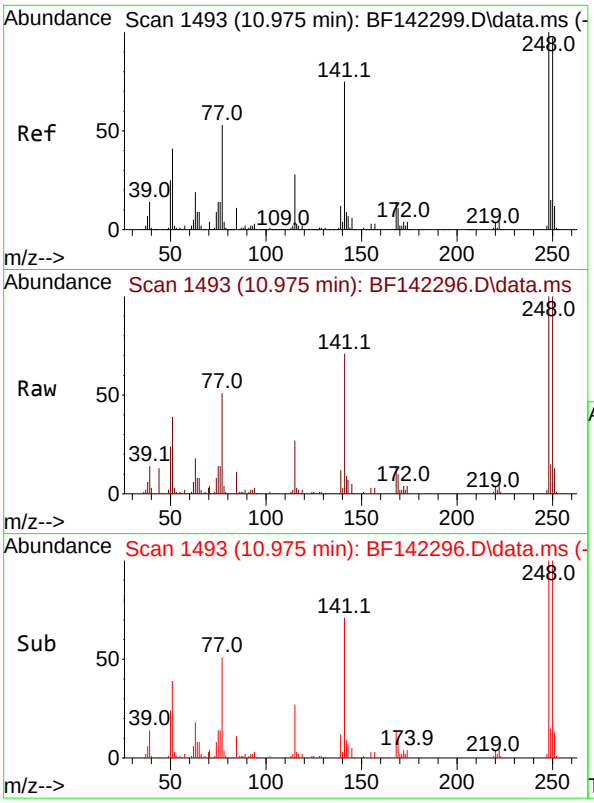


#66
n-Nitrosodiphenylamine
Concen: 5.286 ng
RT: 10.592 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:169 Resp: 138600

Ion	Ratio	Lower	Upper
169	100		
168	66.9	53.2	79.8
167	36.9	28.9	43.3



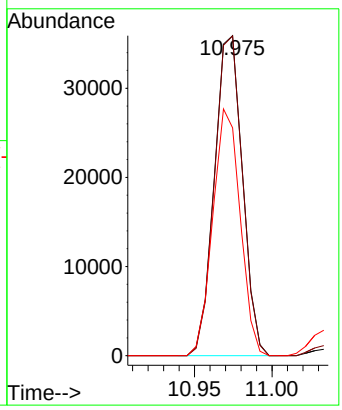


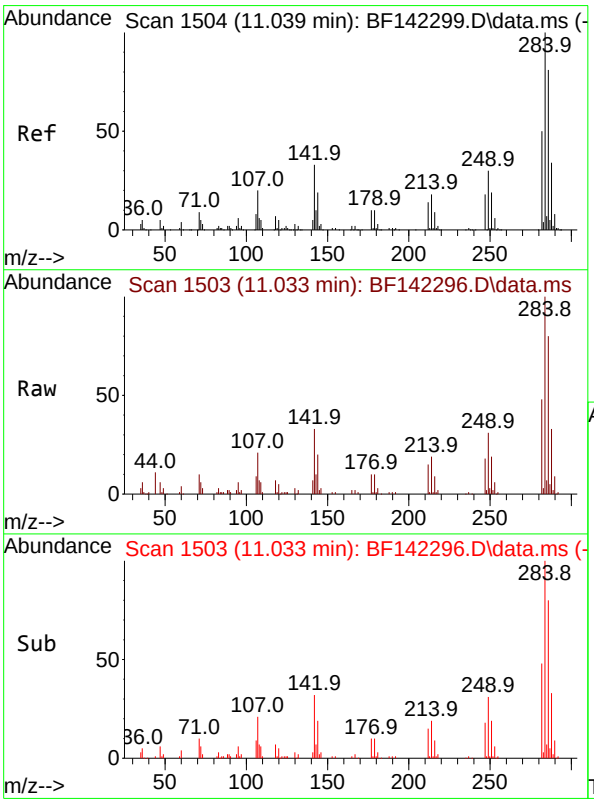
#67
4-Bromophenyl-phenylether
Concen: 5.072 ng
RT: 10.975 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:248 Resp: 45301

Ion	Ratio	Lower	Upper
248	100		
250	99.9	77.9	116.9
141	71.2	59.8	89.8

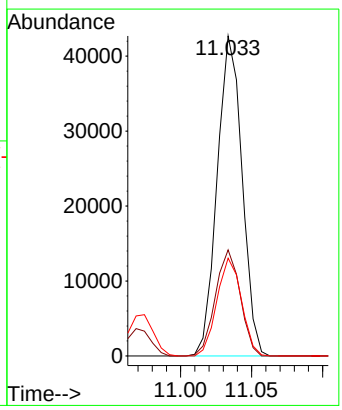


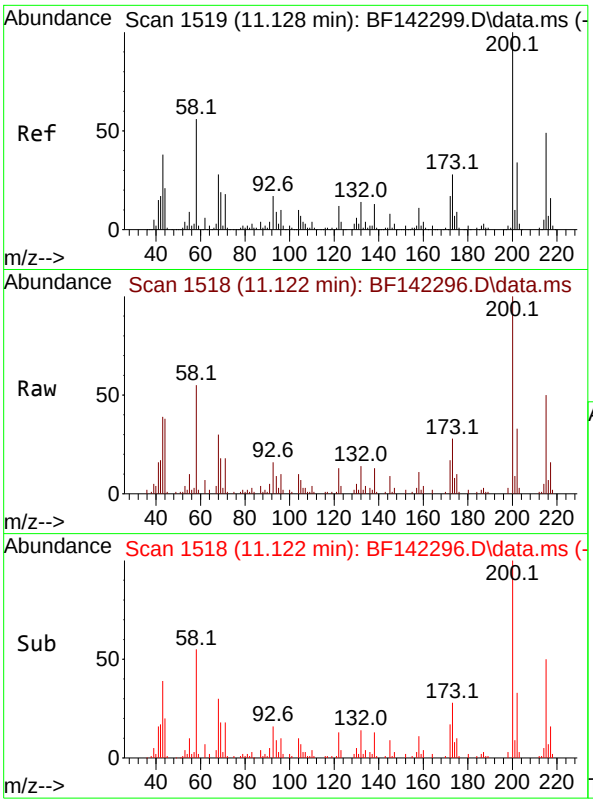


#68
Hexachlorobenzene
Concen: 5.291 ng
RT: 11.033 min Scan# 1503
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:284 Resp: 51978

Ion	Ratio	Lower	Upper
284	100		
142	33.2	26.6	39.8
249	30.6	24.1	36.1



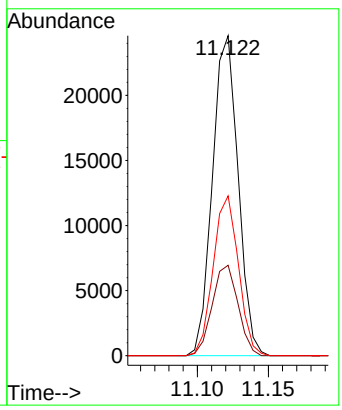


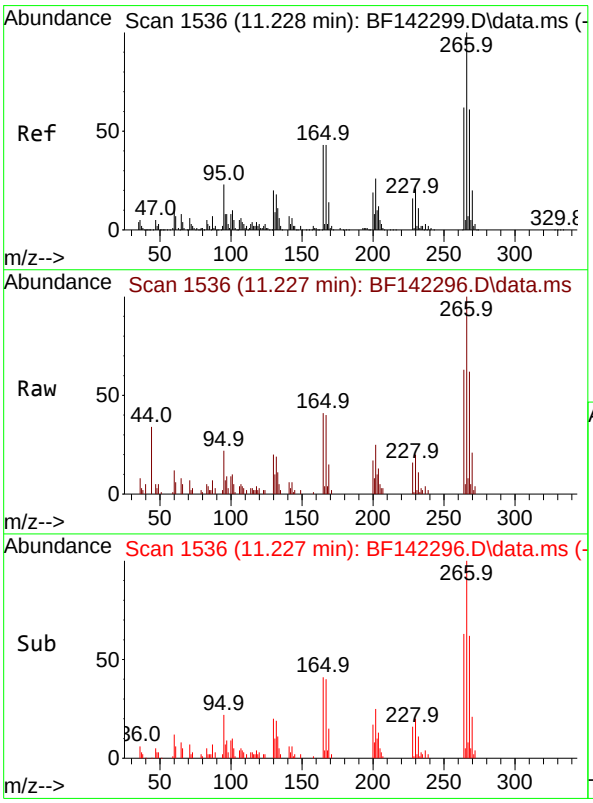
#69
Atrazine
Concen: 4.472 ng
RT: 11.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:200 Resp: 30914

Ion	Ratio	Lower	Upper
200	100		
173	28.3	8.1	48.1
215	49.9	28.8	68.8

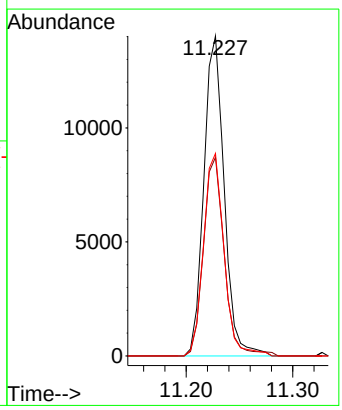


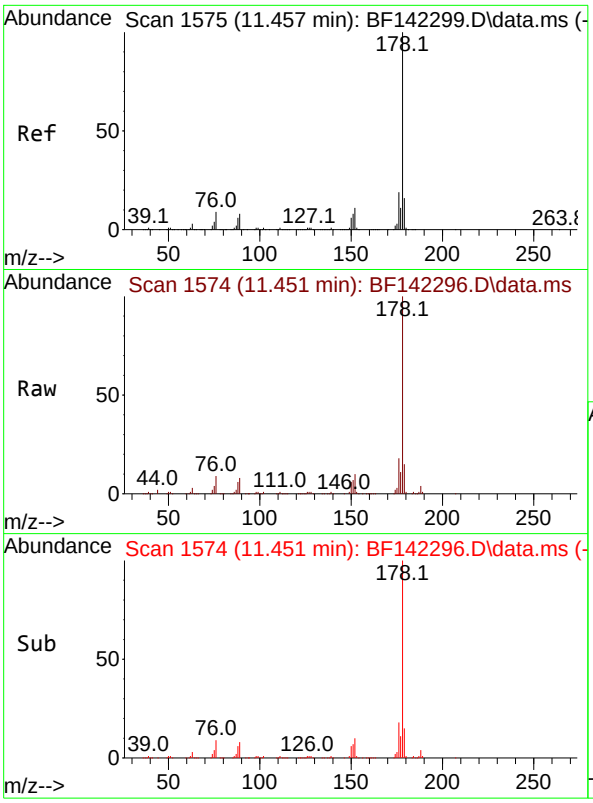


#70
Pentachlorophenol
Concen: 3.599 ng
RT: 11.227 min Scan# 1536
Delta R.T. -0.000 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:266 Resp: 18599

Ion	Ratio	Lower	Upper
266	100		
268	62.1	48.7	73.1
264	63.3	49.8	74.6



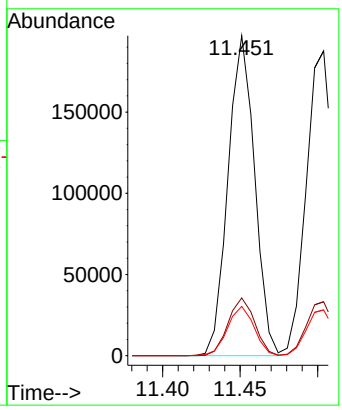


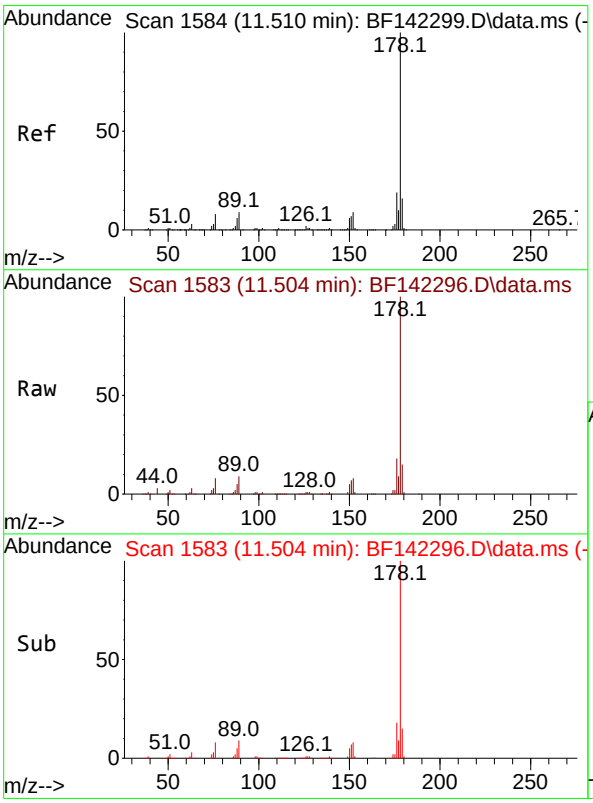
#71
Phenanthrene
Concen: 5.692 ng
RT: 11.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:178 Resp: 235107

Ion	Ratio	Lower	Upper
178	100		
176	18.1	15.5	23.3
179	15.4	12.6	18.8

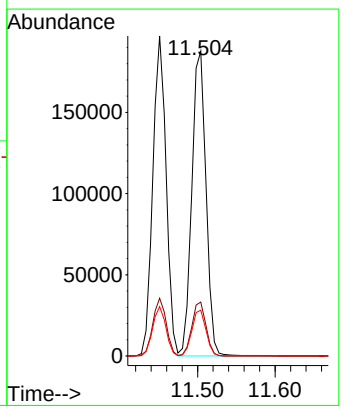


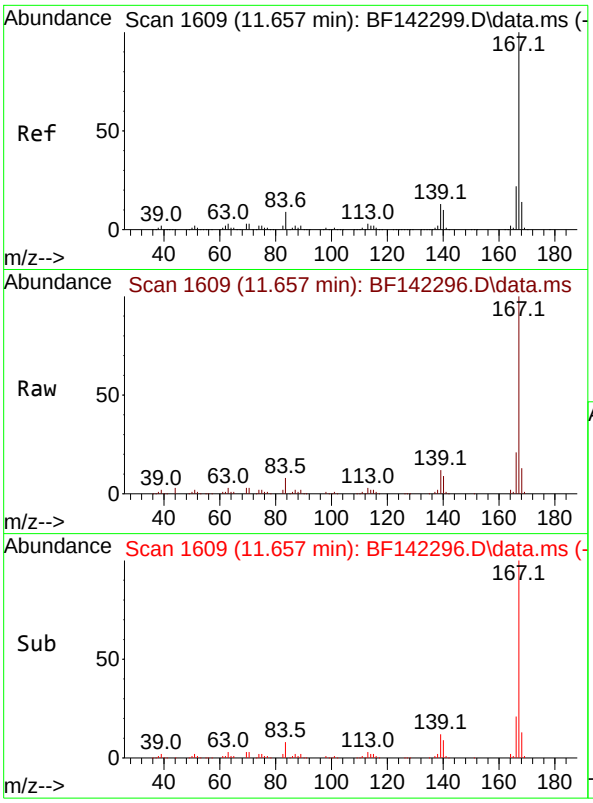


#72
Anthracene
Concen: 5.616 ng
RT: 11.504 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:178 Resp: 238345

Ion	Ratio	Lower	Upper
178	100		
176	17.7	15.3	22.9
179	15.0	12.6	18.8



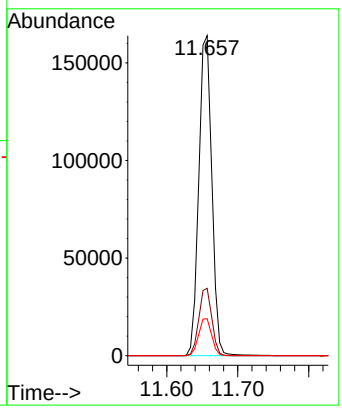


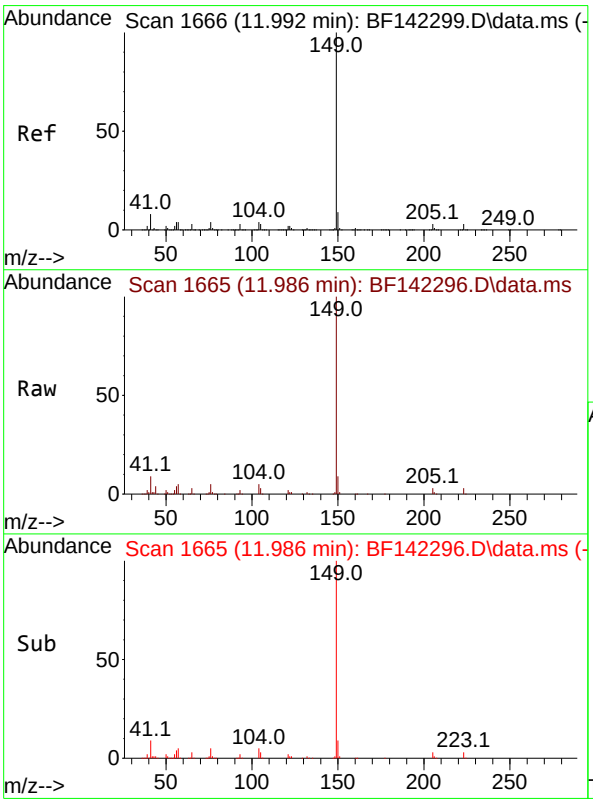
#73
Carbazole
Concen: 5.512 ng
RT: 11.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:167 Resp: 209878

Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.2	25.8
139	11.5	10.3	15.5

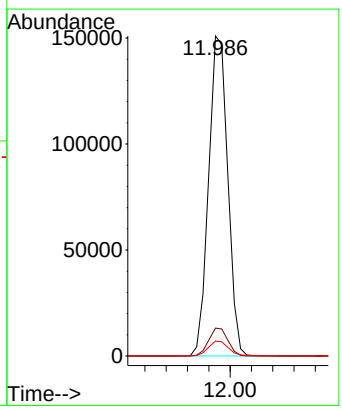


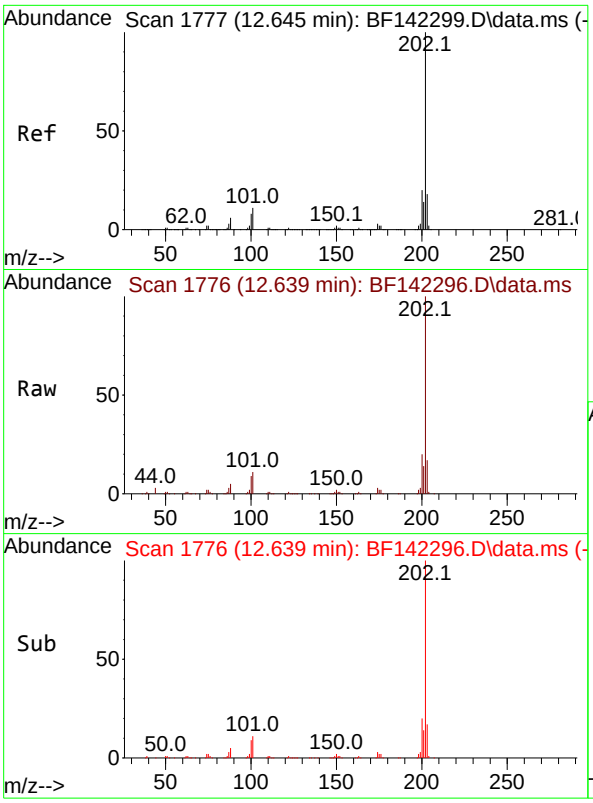


#74
Di-n-butylphthalate
Concen: 4.707 ng
RT: 11.986 min Scan# 1665
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:149 Resp: 188462

Ion	Ratio	Lower	Upper
149	100		
150	8.7	7.5	11.3
104	4.7	3.6	5.4



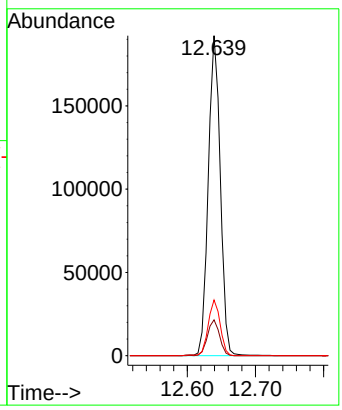


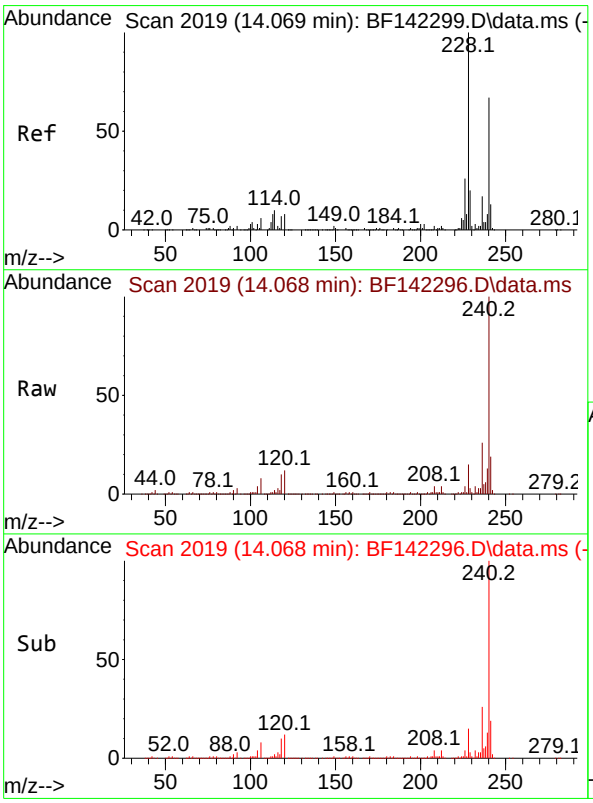
#75
Fluoranthene
Concen: 5.716 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:202 Resp: 236016

Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	31.4
203	17.4	0.0	37.9

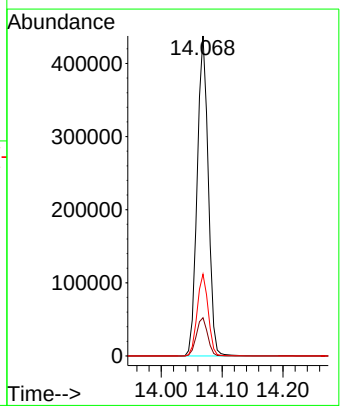


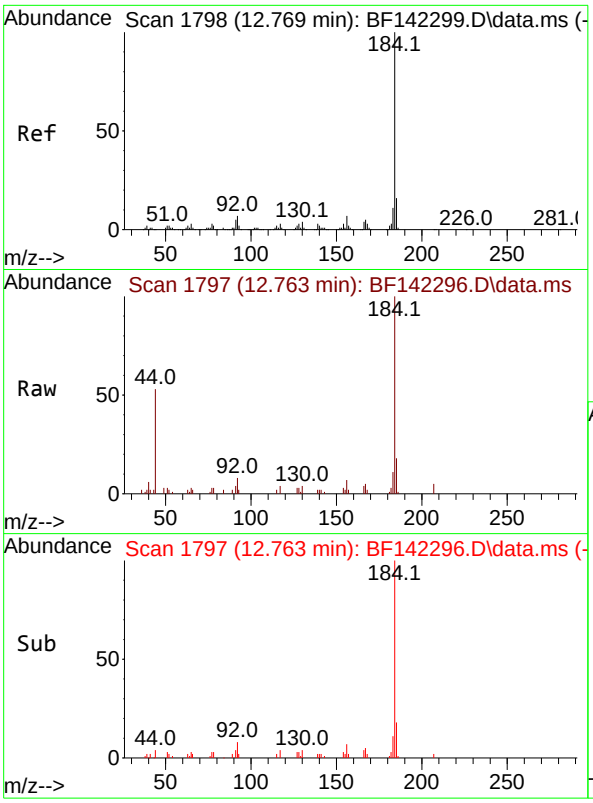


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:240 Resp: 553678

Ion	Ratio	Lower	Upper
240	100		
120	12.0	9.7	14.5
236	25.5	20.0	30.0



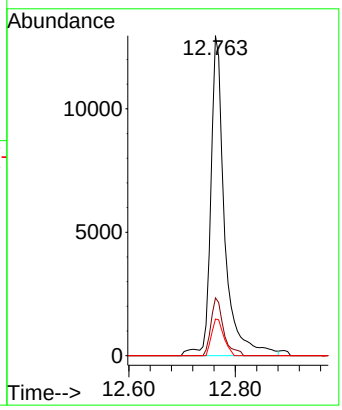


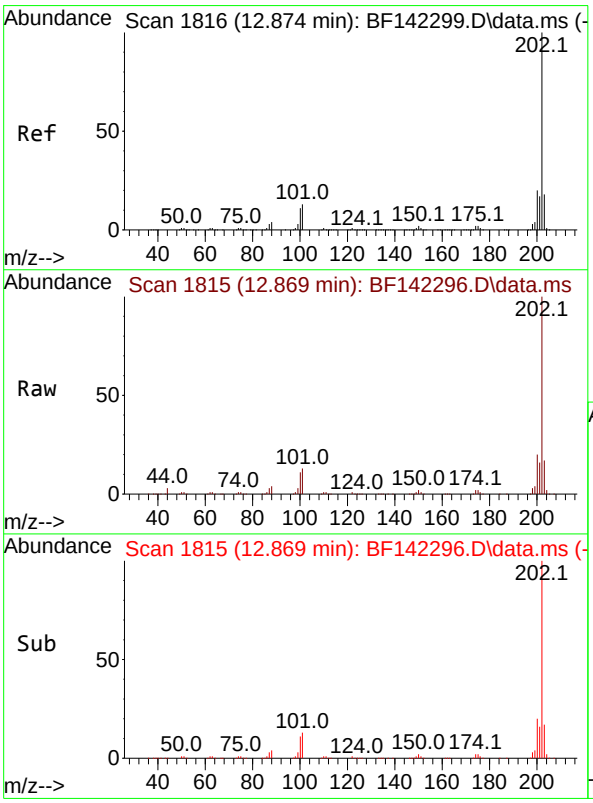
#77
Benzidine
Concen: 2.333 ng
RT: 12.763 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:184 Resp: 23472

Ion	Ratio	Lower	Upper
184	100		
185	18.0	12.6	18.8
183	11.5	8.6	12.8

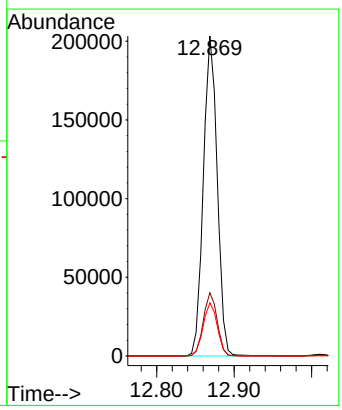


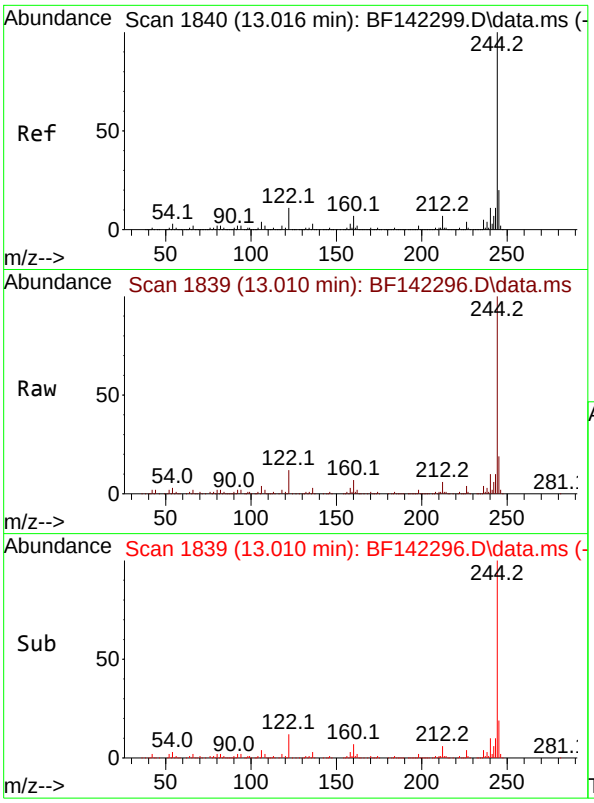


#78
Pyrene
Concen: 5.118 ng
RT: 12.869 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:202 Resp: 252238

Ion	Ratio	Lower	Upper
202	100		
200	19.8	16.2	24.4
203	16.6	14.3	21.5



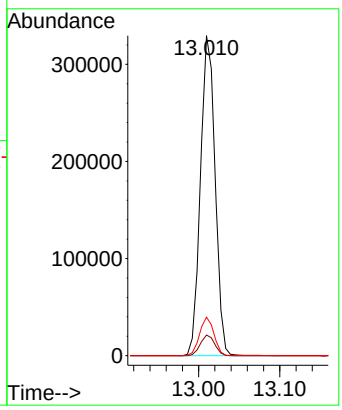


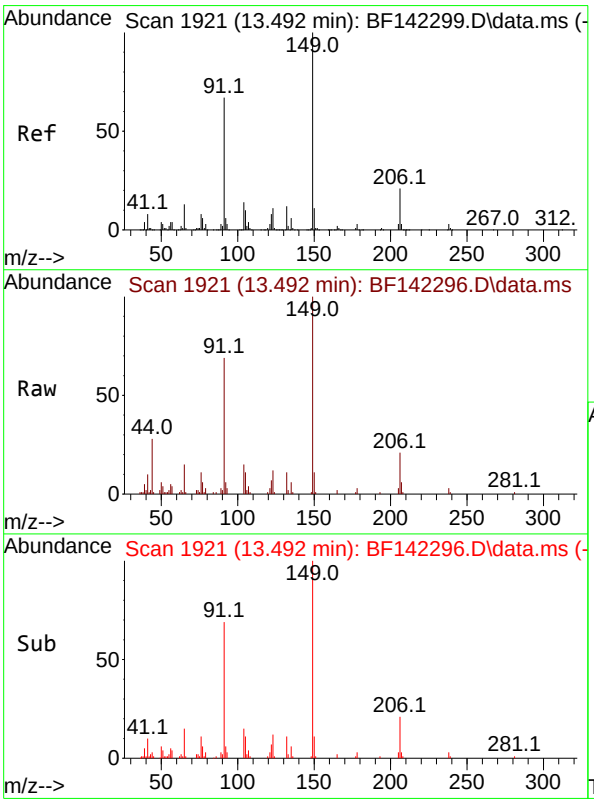
#79
Terphenyl-d14
Concen: 11.049 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:244 Resp: 413313

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.2
122	12.1	9.0	13.4

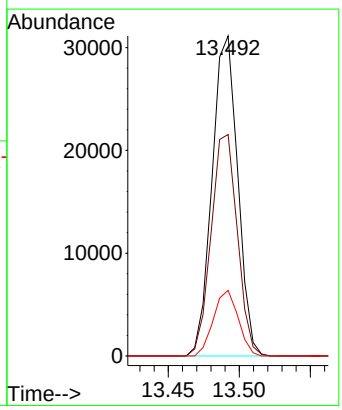


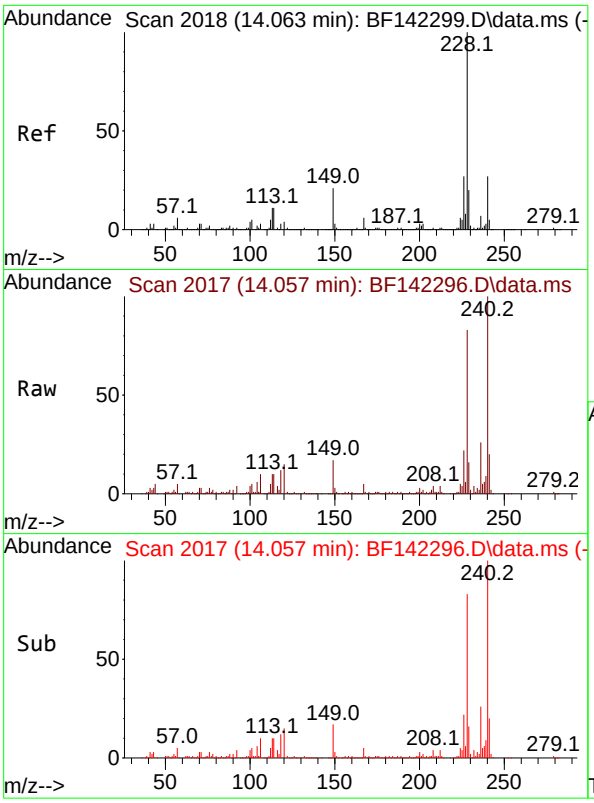


#80
Butylbenzylphthalate
Concen: 6.169 ng
RT: 13.492 min Scan# 1921
Delta R.T. 0.000 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:149 Resp: 39082

Ion	Ratio	Lower	Upper
149	100		
91	69.2	53.8	80.6
206	20.5	16.6	24.8



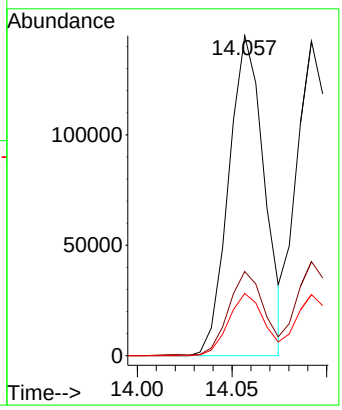


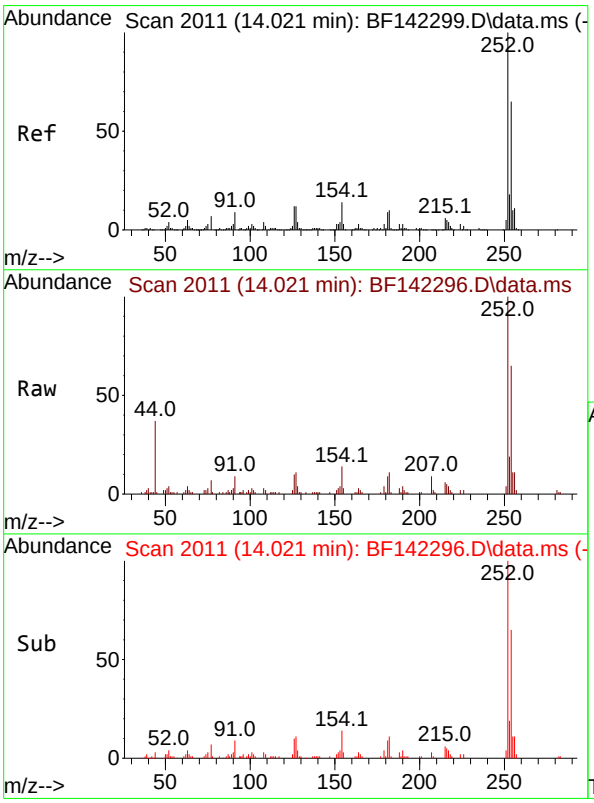
#81
Benzo(a)anthracene
Concen: 5.289 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:228 Resp: 189654

Ion	Ratio	Lower	Upper
228	100		
226	26.3	21.5	32.3
229	19.4	15.9	23.9

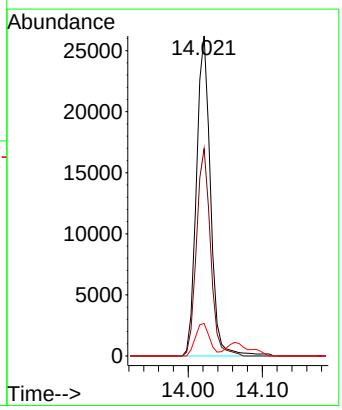


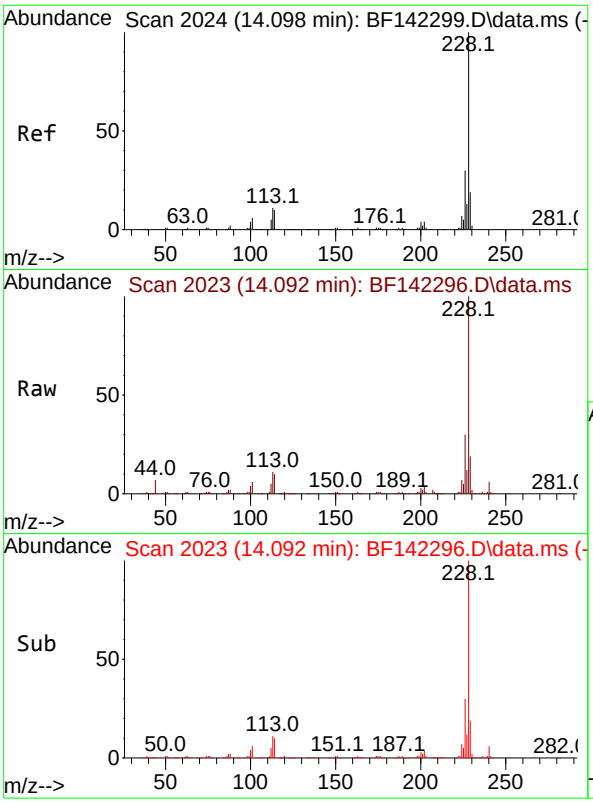


#82
3,3'-Dichlorobenzidine
Concen: 4.143 ng
RT: 14.021 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:252 Resp: 34544

Ion	Ratio	Lower	Upper
252	100		
254	64.8	52.0	78.0
126	10.1	9.7	14.5



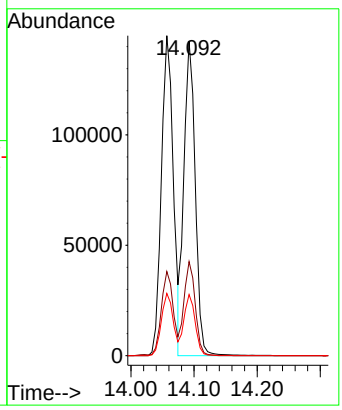


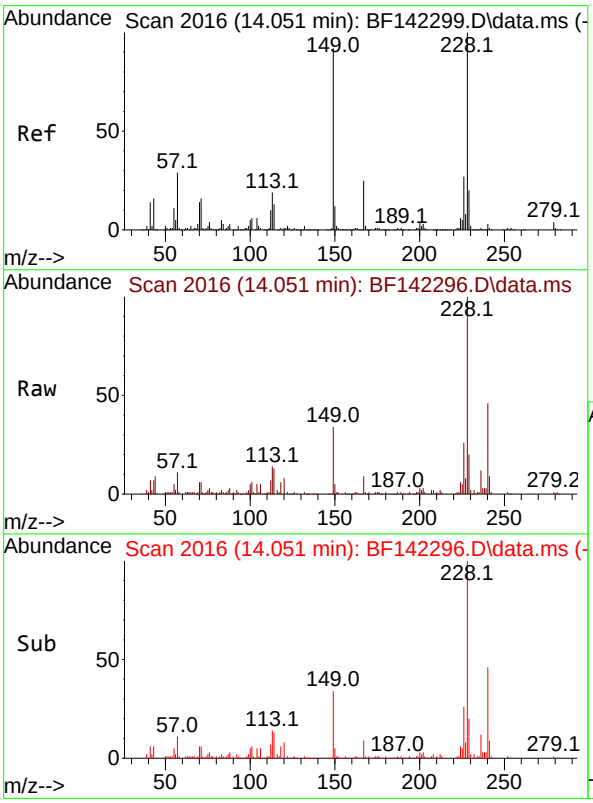
#83
Chrysene
Concen: 5.365 ng
RT: 14.092 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:228 Resp: 179085

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.9	35.9
229	19.4	15.4	23.2

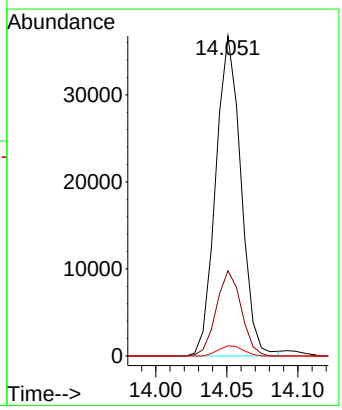


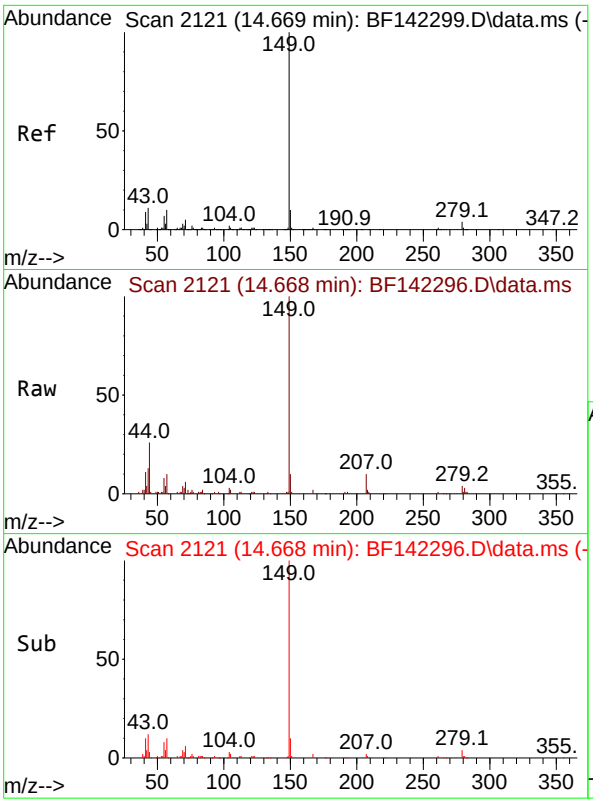


#84
Bis(2-ethylhexyl)phthalate
Concen: 6.444 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.000 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:149 Resp: 45343

Ion	Ratio	Lower	Upper
149	100		
167	26.6	22.0	33.0
279	3.2	3.0	4.6



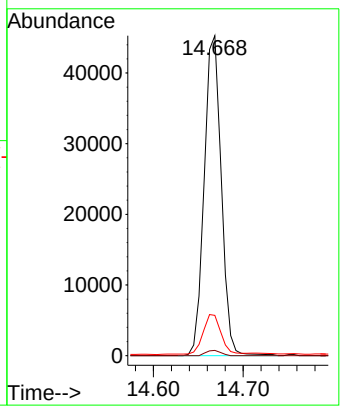


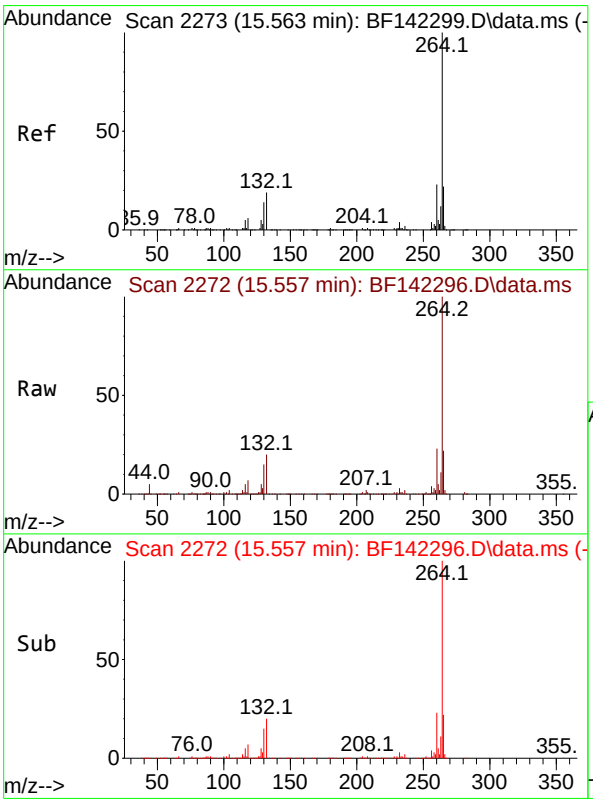
#85
Di-n-octyl phthalate
Concen: 9.323 ng
RT: 14.668 min Scan# 21
Delta R.T. -0.001 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:149 Resp: 59863

Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.1	1.7
43	13.4	9.2	13.8

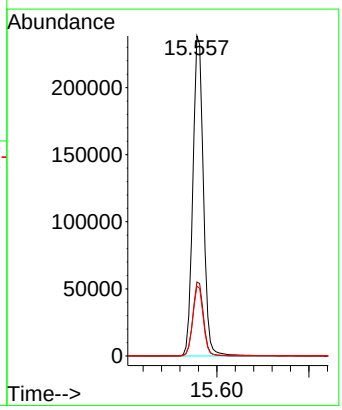


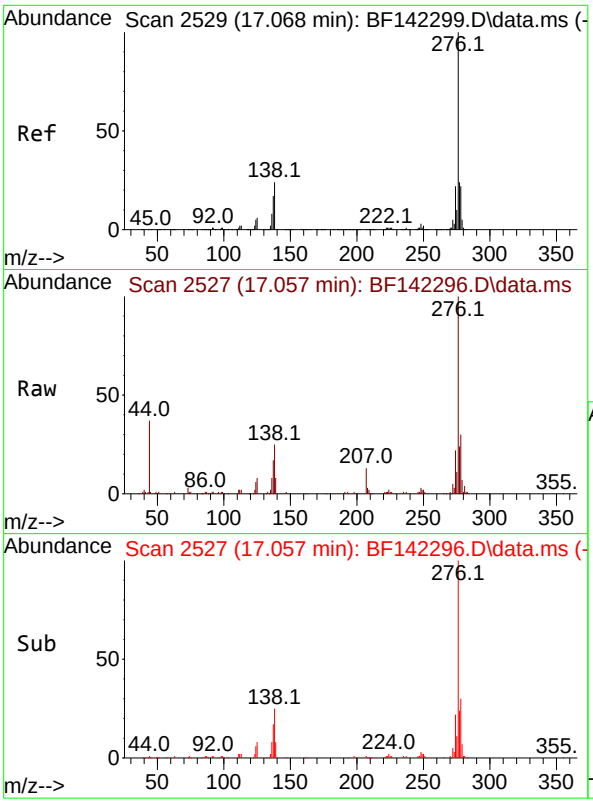


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2272
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:264 Resp: 376971

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.6	27.8
265	21.8	17.5	26.3



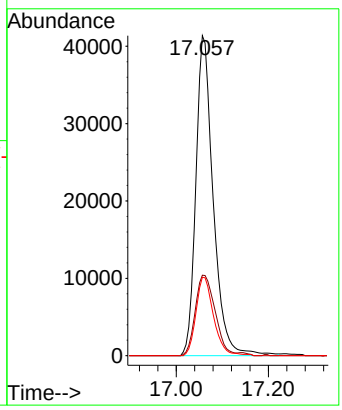


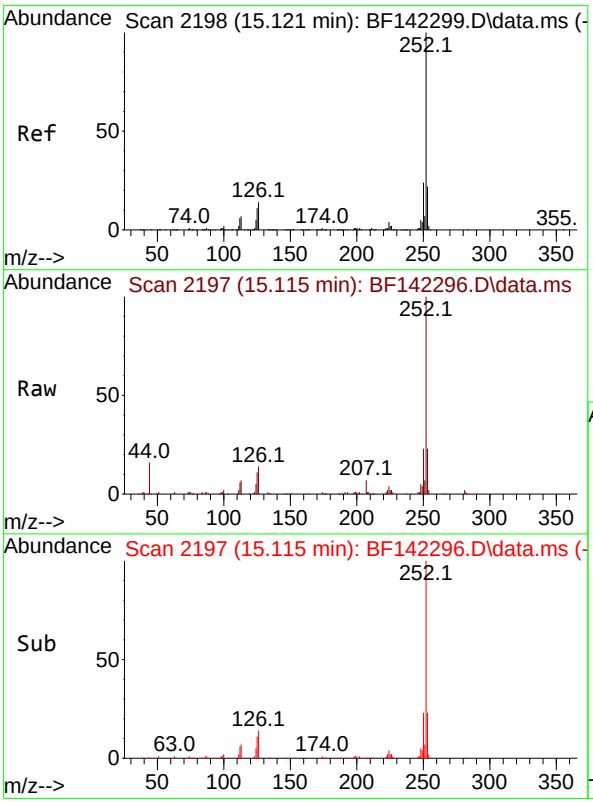
#87
Indeno(1,2,3-cd)pyrene
Concen: 4.138 ng
RT: 17.057 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:276 Resp: 108522

Ion	Ratio	Lower	Upper
276	100		
138	28.7	22.0	33.0
277	24.9	20.1	30.1

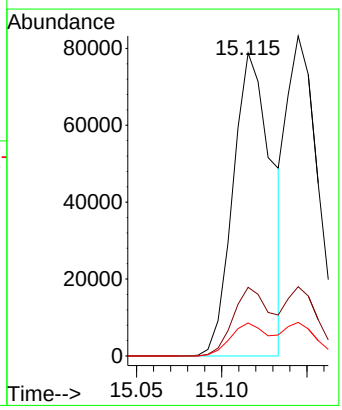


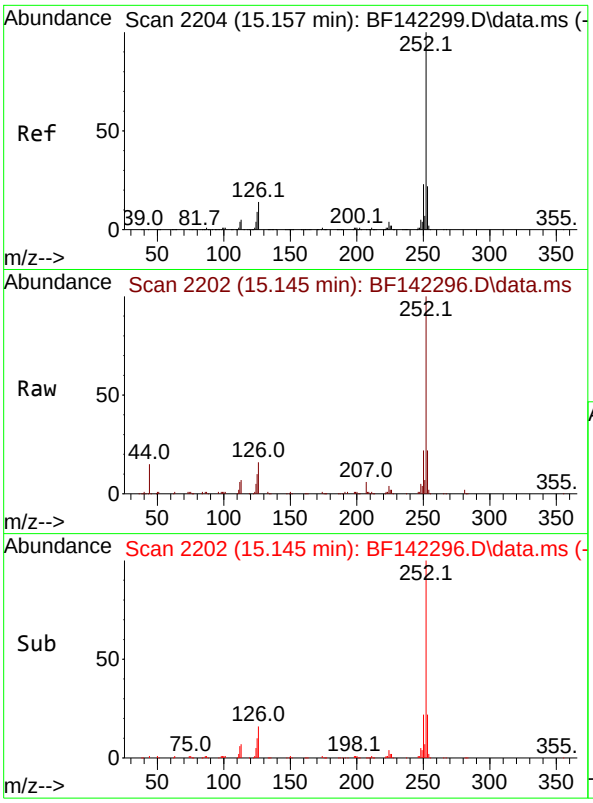


#88
Benzo(b)fluoranthene
Concen: 5.416 ng
RT: 15.115 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:252 Resp: 123666

Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.7	26.5
125	10.9	8.7	13.1



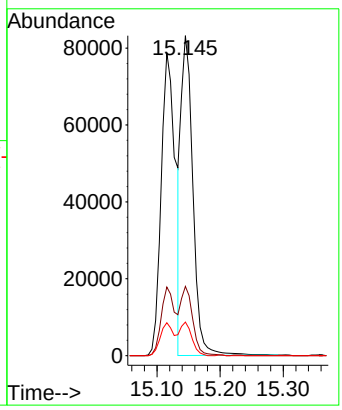


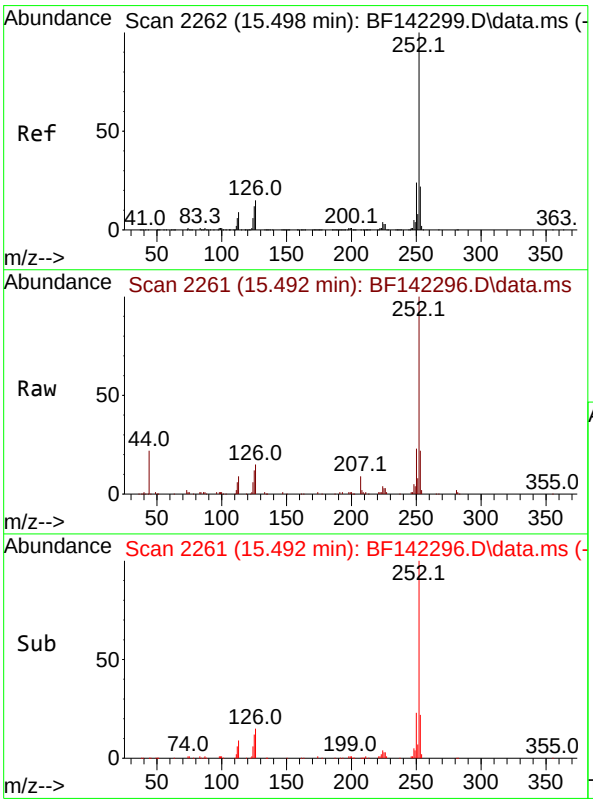
#89
Benzo(k)fluoranthene
Concen: 5.224 ng
RT: 15.145 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 109149

Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.6	26.4
125	10.5	8.1	12.1

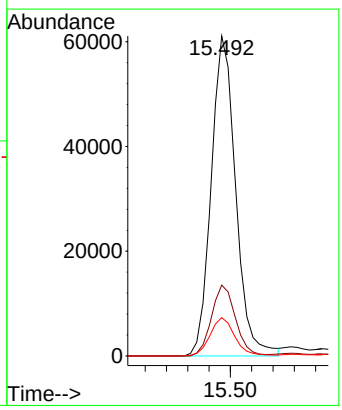


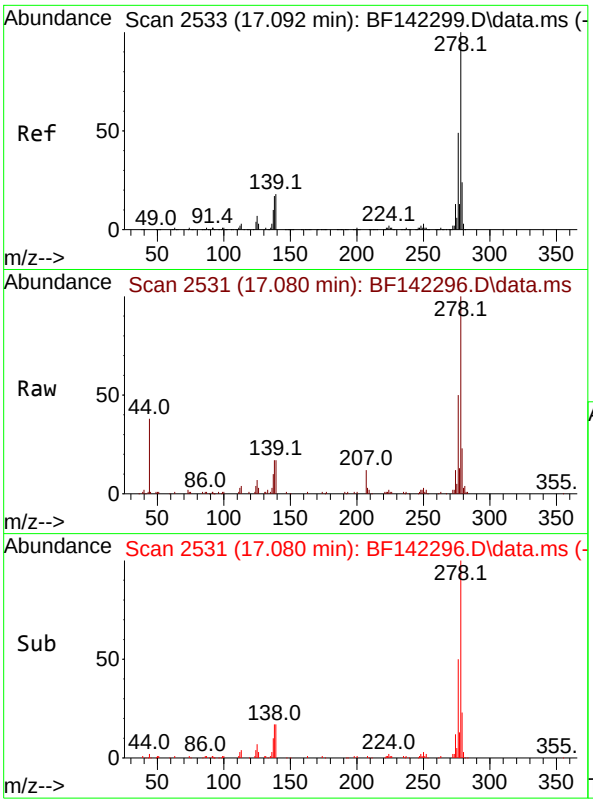


#90
Benzo(a)pyrene
Concen: 4.761 ng
RT: 15.492 min Scan# 2261
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:252 Resp: 97418

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	12.0	9.4	14.0



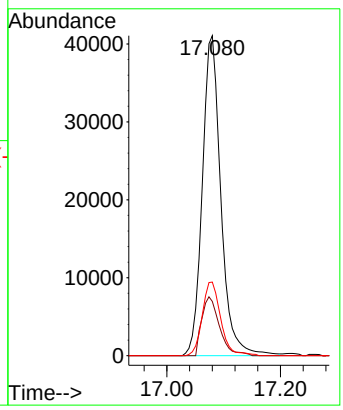


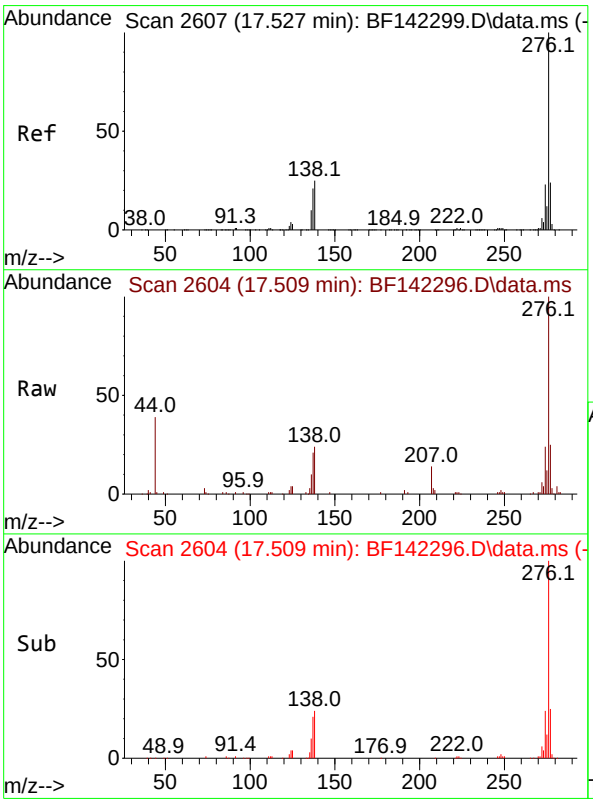
#91
Dibenzo(a,h)anthracene
Concen: 4.295 ng
RT: 17.080 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:278 Resp: 93055

Ion	Ratio	Lower	Upper
278	100		
139	16.9	14.5	21.7
279	23.0	18.9	28.3

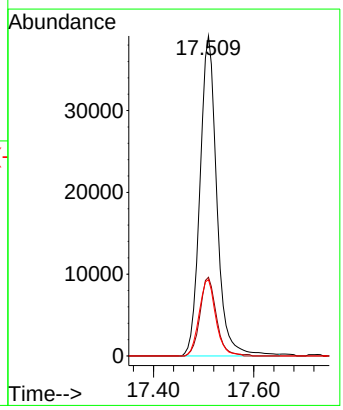




#92
Benzo(g,h,i)perylene
Concen: 4.255 ng
RT: 17.509 min Scan# 2604
Delta R.T. -0.018 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Tgt Ion:276 Resp: 91492

Ion	Ratio	Lower	Upper
276	100		
277	24.6	19.0	28.6
138	23.8	19.8	29.6



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142297.D
Acq On : 05 May 2025 14:52
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: May 05 17:57:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 17:44:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.904	152	212907	20.000	ng		0.00
21) Naphthalene-d8	8.187	136	834027	20.000	ng		0.00
39) Acenaphthene-d10	9.939	164	451658	20.000	ng		0.00
64) Phenanthrene-d10	11.428	188	799418	20.000	ng		0.00
76) Chrysene-d12	14.069	240	531922	20.000	ng		0.00
86) Perylene-d12	15.563	264	390300	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.510	112	250509	20.086	ng		0.00
7) Phenol-d6	6.516	99	310470	20.240	ng		0.00
23) Nitrobenzene-d5	7.463	82	253451	18.533	ng		0.00
42) 2,4,6-Tribromophenol	10.728	330	79570	18.247	ng		0.00
45) 2-Fluorobiphenyl	9.257	172	725000	22.888	ng		0.00
79) Terphenyl-d14	13.010	244	757212	21.070	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.687	88	56091	9.987	ng		98
3) Pyridine	3.457	79	131287	9.941	ng		99
4) n-Nitrosodimethylamine	3.387	42	75254	9.819	ng	#	98
6) Aniline	6.563	93	145801	9.690	ng		99
8) 2-Chlorophenol	6.681	128	130151	9.765	ng		98
9) Benzaldehyde	6.451	77	102088	11.371	ng		100
10) Phenol	6.528	94	162652	10.003	ng		99
11) bis(2-Chloroethyl)ether	6.634	93	149862	9.346	ng		98
12) 1,3-Dichlorobenzene	6.845	146	160179	10.505	ng		99
13) 1,4-Dichlorobenzene	6.922	146	159624	10.427	ng		99
14) 1,2-Dichlorobenzene	7.075	146	152479	10.376	ng		99
15) Benzyl Alcohol	7.034	79	89790	9.040	ng		100
16) 2,2'-oxybis(1-Chloropr...	7.175	45	245918	10.270	ng		99
17) 2-Methylphenol	7.145	107	107331	9.947	ng		98
18) Hexachloroethane	7.422	117	49420	9.702	ng		99
19) n-Nitroso-di-n-propyla...	7.304	70	97394	10.264	ng		95
20) 3+4-Methylphenols	7.293	107	136376	10.127	ng	#	88
22) Acetophenone	7.304	105	197710	10.662	ng		96
24) Nitrobenzene	7.481	77	122267	9.485	ng		99
25) Isophorone	7.716	82	259962	10.039	ng		98
26) 2-Nitrophenol	7.798	139	40609	10.066	ng		99
27) 2,4-Dimethylphenol	7.828	122	131079	10.068	ng		98
28) bis(2-Chloroethoxy)met...	7.928	93	172734	10.373	ng		99
29) 2,4-Dichlorophenol	8.034	162	104807	9.468	ng		98
30) 1,2,4-Trichlorobenzene	8.128	180	129041	10.358	ng		98
31) Naphthalene	8.210	128	429996	10.638	ng		99
32) Benzoic acid	7.881	122	31063	10.521	ng		97
33) 4-Chloroaniline	8.257	127	113120	6.871	ng		98
34) Hexachlorobutadiene	8.328	225	75921	10.292	ng		99
35) Caprolactam	8.587	113	28438	8.834	ng		97
36) 4-Chloro-3-methylphenol	8.722	107	112762	9.800	ng		99
37) 2-Methylnaphthalene	8.898	142	265328	10.564	ng		100
38) 1-Methylnaphthalene	8.998	142	281289	10.745	ng		98
40) 1,2,4,5-Tetrachloroben...	9.063	216	132346	10.492	ng		99
41) Hexachlorocyclopentadiene	9.051	237	68324	8.764	ng		100
43) 2,4,6-Trichlorophenol	9.169	196	72234	9.078	ng		99

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142297.D
Acq On : 05 May 2025 14:52
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: May 05 17:57:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 17:44:56 2025
Response via : Initial Calibration

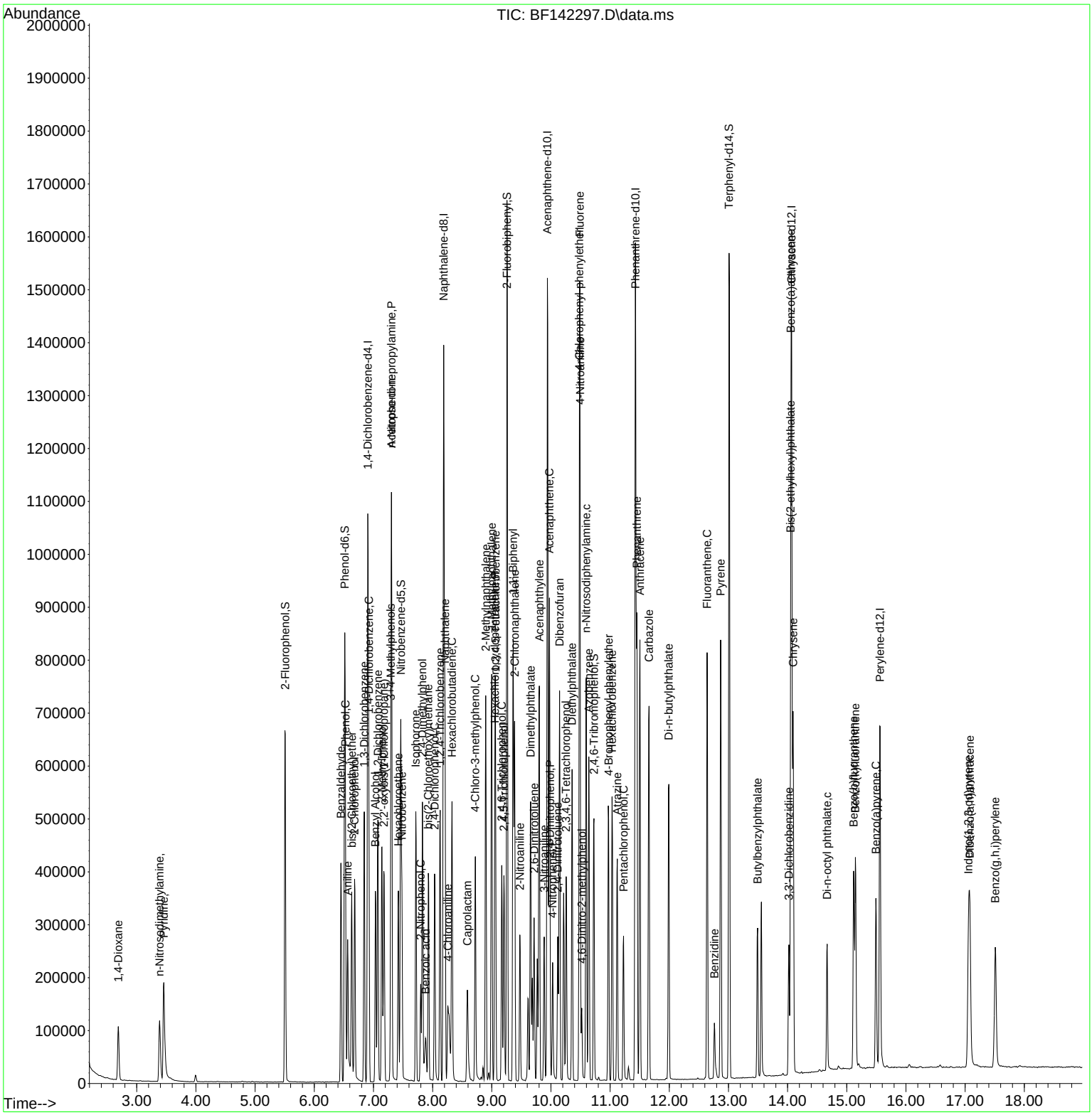
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	79827	9.429	ng		97
46) 1,1'-Biphenyl	9.363	154	370629	10.702	ng		98
47) 2-Chloronaphthalene	9.386	162	270501	10.503	ng		98
48) 2-Nitroaniline	9.475	65	54180	8.208	ng		97
49) Acenaphthylene	9.804	152	457356	10.616	ng		99
50) Dimethylphthalate	9.657	163	292351	10.080	ng		99
51) 2,6-Dinitrotoluene	9.716	165	46421	8.551	ng		99
52) Acenaphthene	9.975	154	268993	10.384	ng		99
53) 3-Nitroaniline	9.886	138	53755	8.443	ng	#	99
54) 2,4-Dinitrophenol	9.986	184	14043	12.133	ng	#	1
55) Dibenzofuran	10.145	168	404214	10.573	ng		99
56) 4-Nitrophenol	10.028	139	40283	8.407	ng		98
57) 2,4-Dinitrotoluene	10.116	165	56545	8.120	ng		94
58) Fluorene	10.486	166	317792	10.892	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.257	232	65106	9.316	ng		99
60) Diethylphthalate	10.357	149	299154	10.329	ng		99
61) 4-Chlorophenyl-phenyle...	10.481	204	150371	10.683	ng		97
62) 4-Nitroaniline	10.492	138	51843	10.274	ng		96
63) Azobenzene	10.639	77	287064	10.372	ng		98
65) 4,6-Dinitro-2-methylph...	10.522	198	20774	11.925	ng		94
66) n-Nitrosodiphenylamine	10.598	169	273145	10.268	ng		100
67) 4-Bromophenyl-phenylether	10.975	248	90669	10.008	ng		96
68) Hexachlorobenzene	11.033	284	98422	9.876	ng		98
69) Atrazine	11.122	200	65913	9.400	ng		99
70) Pentachlorophenol	11.228	266	43524	8.302	ng		99
71) Phenanthrene	11.451	178	440505	10.512	ng		99
72) Anthracene	11.504	178	454013	10.545	ng		99
73) Carbazole	11.657	167	406007	10.511	ng		99
74) Di-n-butylphthalate	11.992	149	408614	10.060	ng		99
75) Fluoranthene	12.639	202	461212	11.011	ng		99
77) Benzidine	12.763	184	72321	7.482	ng		99
78) Pyrene	12.869	202	464898	9.819	ng		100
80) Butylbenzylphthalate	13.492	149	87770	9.527	ng		99
81) Benzo(a)anthracene	14.057	228	345605	10.033	ng		100
82) 3,3'-Dichlorobenzidine	14.021	252	74238	9.267	ng		99
83) Chrysene	14.092	228	326300	10.175	ng		99
84) Bis(2-ethylhexyl)phtha...	14.051	149	111032	9.863	ng		98
85) Di-n-octyl phthalate	14.669	149	155899	11.860	ng		99
87) Indeno(1,2,3-cd)pyrene	17.057	276	250070	9.211	ng		100
88) Benzo(b)fluoranthene	15.116	252	237339	10.040	ng		100
89) Benzo(k)fluoranthene	15.145	252	222898	10.304	ng		99
90) Benzo(a)pyrene	15.492	252	203272	9.596	ng		98
91) Dibenzo(a,h)anthracene	17.080	278	207967	9.272	ng		99
92) Benzo(g,h,i)perylene	17.509	276	206052	9.256	ng		99

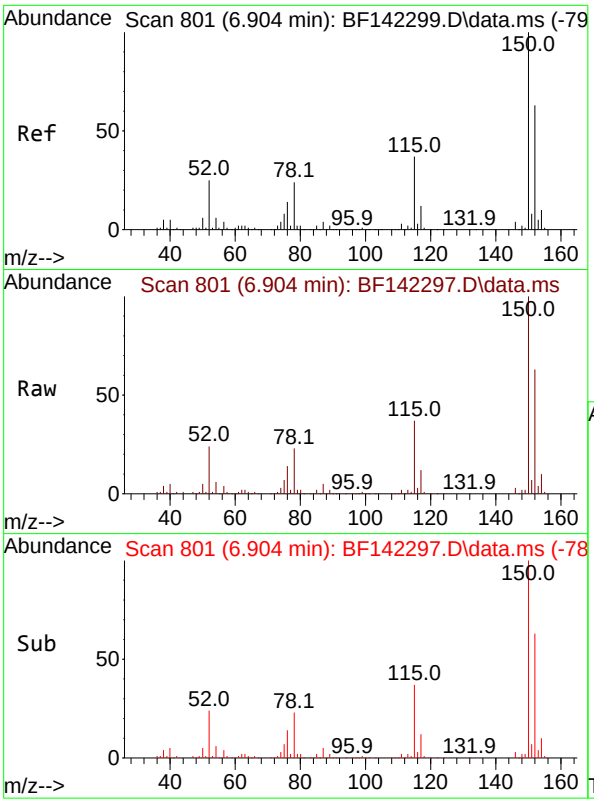
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142297.D
Acq On : 05 May 2025 14:52
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Quant Time: May 05 17:57:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 17:44:56 2025
Response via : Initial Calibration



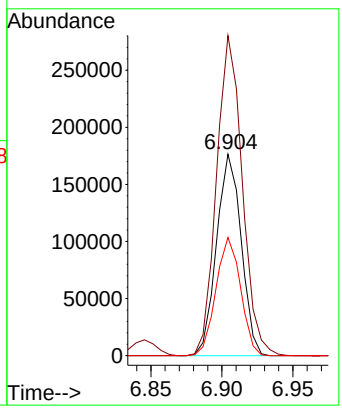


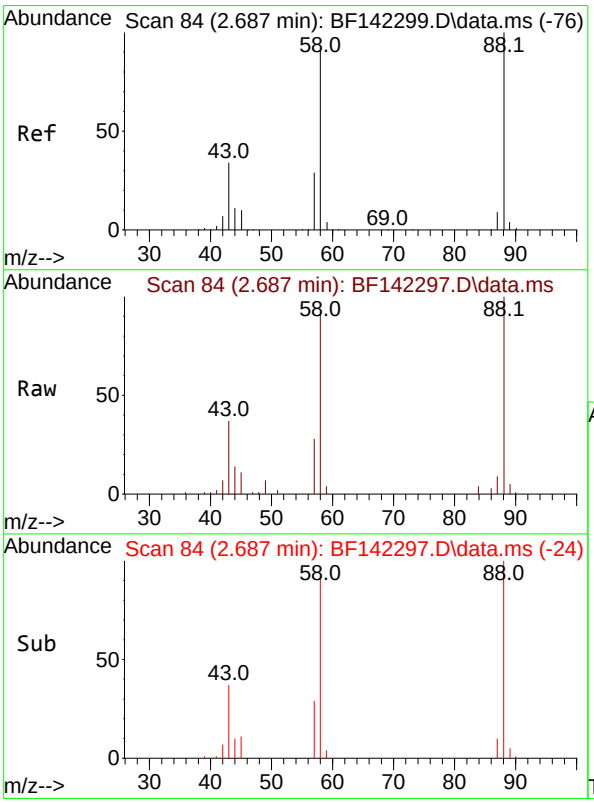
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 212907

Ion	Ratio	Lower	Upper
152	100		
150	158.9	126.6	190.0
115	58.7	47.3	70.9

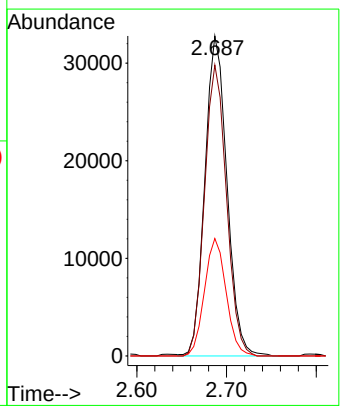


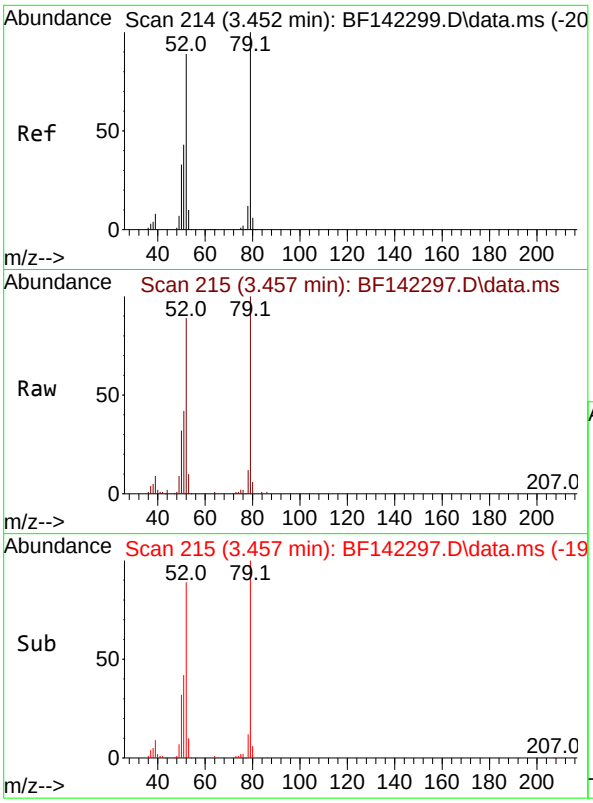


#2
1,4-Dioxane
Concen: 9.987 ng
RT: 2.687 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion: 88 Resp: 56091

Ion	Ratio	Lower	Upper
88	100		
58	90.0	73.0	109.4
43	35.9	27.8	41.6



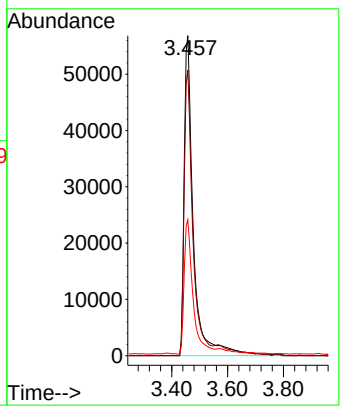


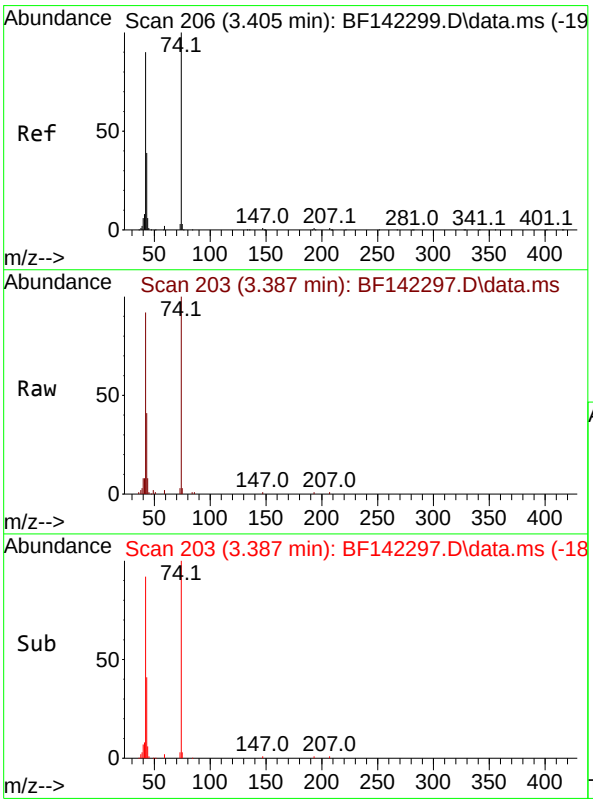
#3
Pyridine
Concen: 9.941 ng
RT: 3.457 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 131287

Ion	Ratio	Lower	Upper
79	100		
52	89.3	71.0	106.4
51	42.5	34.9	52.3

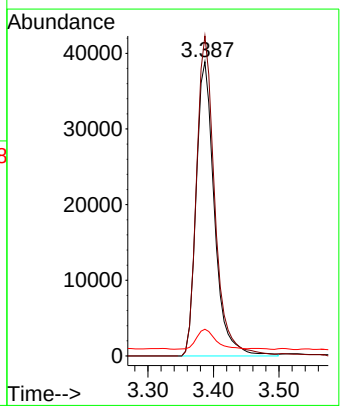


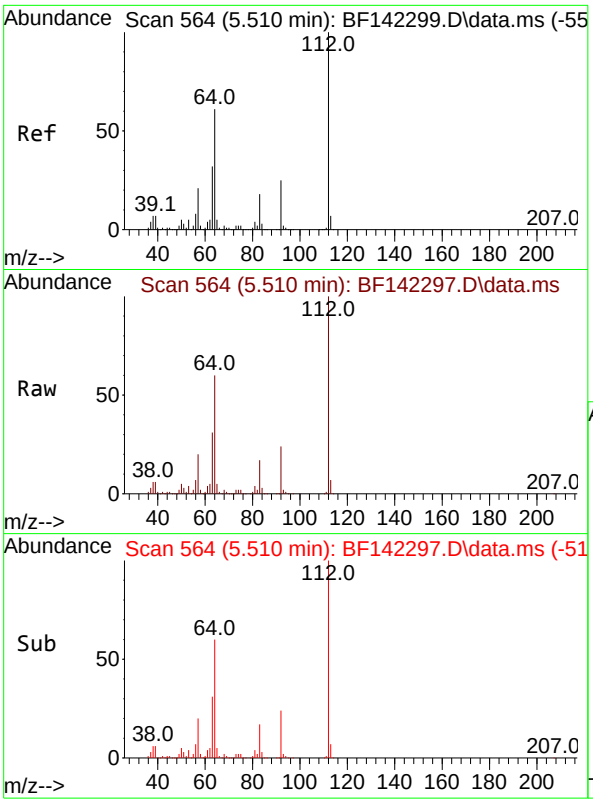


#4
n-Nitrosodimethylamine
Concen: 9.819 ng
RT: 3.387 min Scan# 203
Delta R.T. -0.018 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion: 42 Resp: 75254

Ion	Ratio	Lower	Upper
42	100		
74	108.7	88.5	132.7
44	9.1	5.8	8.8#



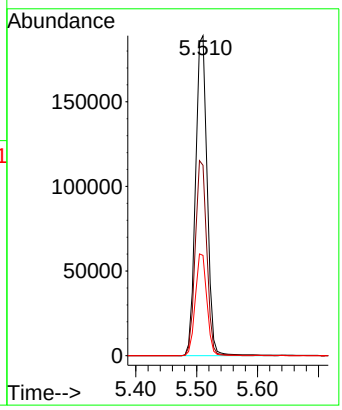


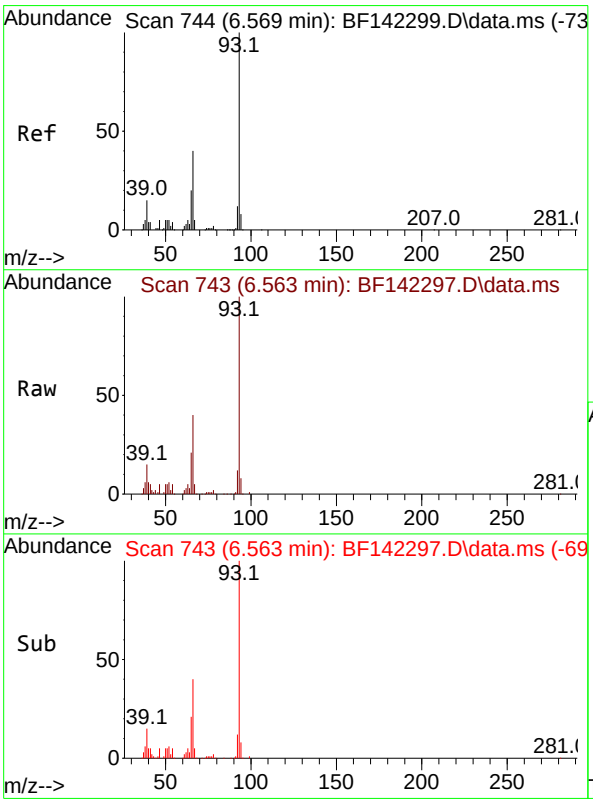
#5
2-Fluorophenol
Concen: 20.086 ng
RT: 5.510 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:112 Resp: 250509

Ion	Ratio	Lower	Upper
112	100		
64	59.5	48.9	73.3
63	31.4	25.6	38.4

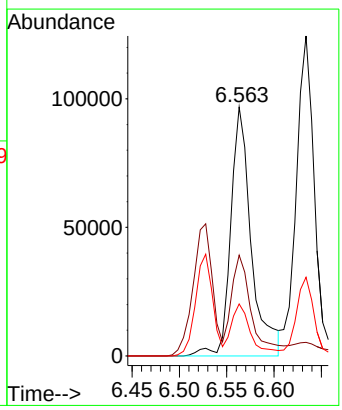


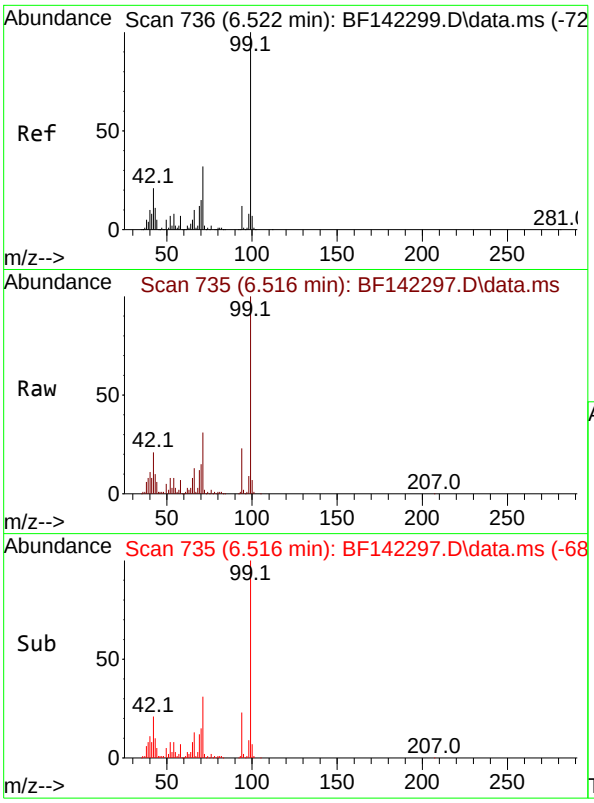


#6
Aniline
Concen: 9.690 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion: 93 Resp: 145801

Ion	Ratio	Lower	Upper
93	100		
66	40.5	32.2	48.4
65	20.9	16.3	24.5



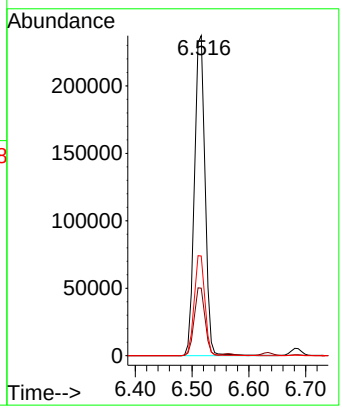


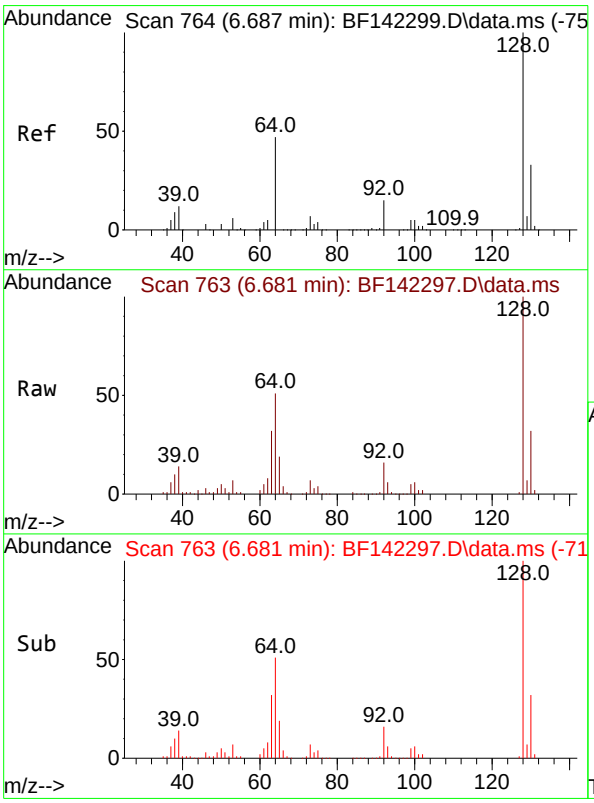
#7
Phenol-d6
Concen: 20.240 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 99 Resp: 310470

Ion	Ratio	Lower	Upper
99	100		
42	21.1	17.0	25.4
71	31.2	25.8	38.8

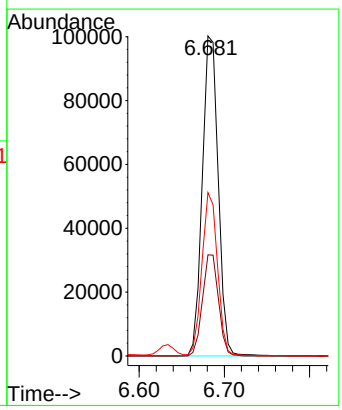


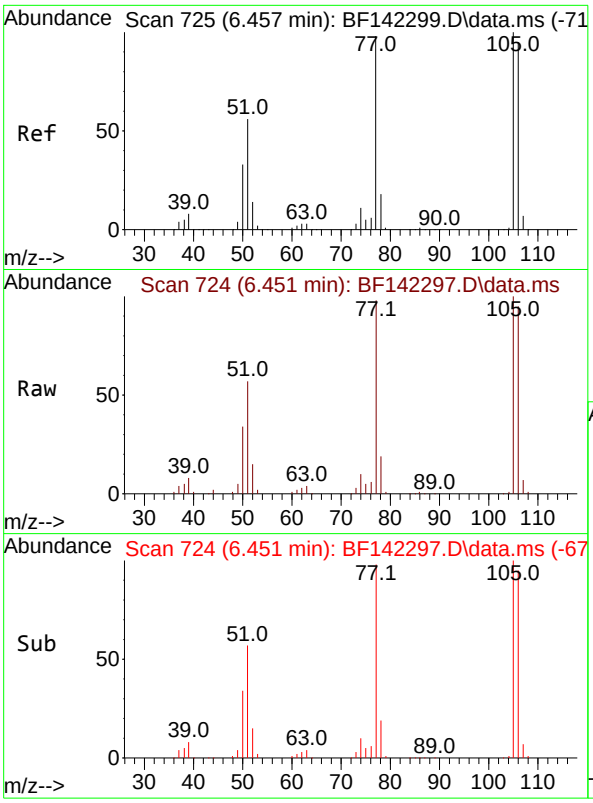


#8
2-Chlorophenol
Concen: 9.765 ng
RT: 6.681 min Scan# 763
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:128 Resp: 130151

Ion	Ratio	Lower	Upper
128	100		
130	31.6	12.7	52.7
64	51.0	29.2	69.2



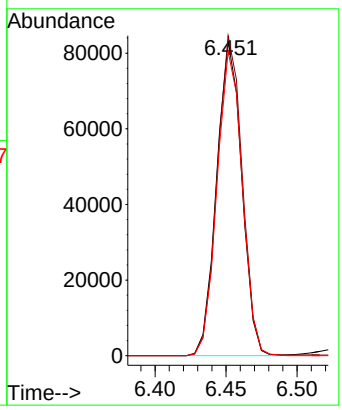


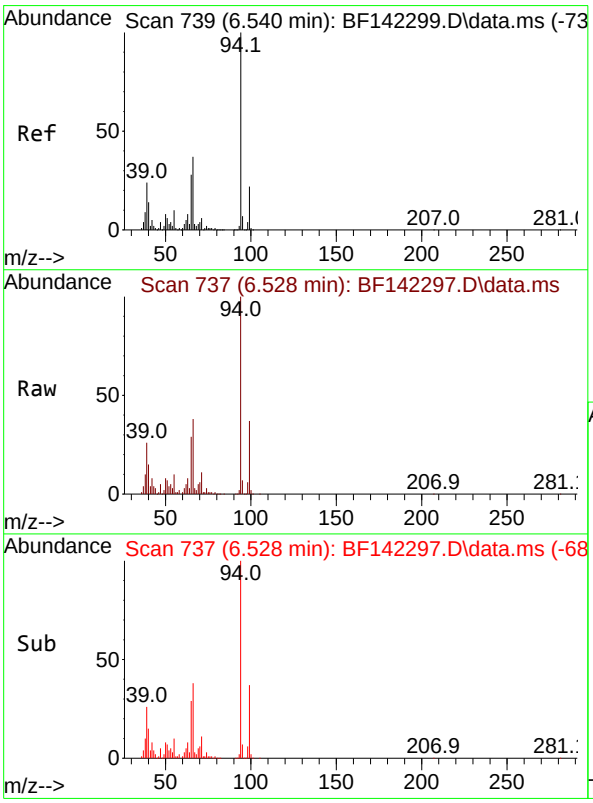
#9
Benzaldehyde
Concen: 11.371 ng
RT: 6.451 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 102088

Ion	Ratio	Lower	Upper
77	100		
105	101.9	82.0	122.0
106	96.9	77.2	117.2

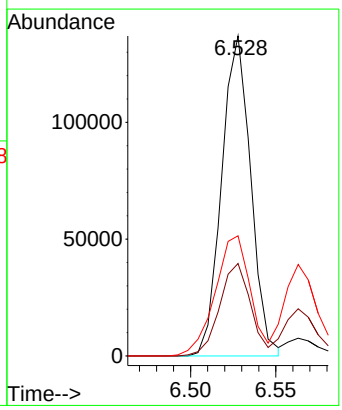


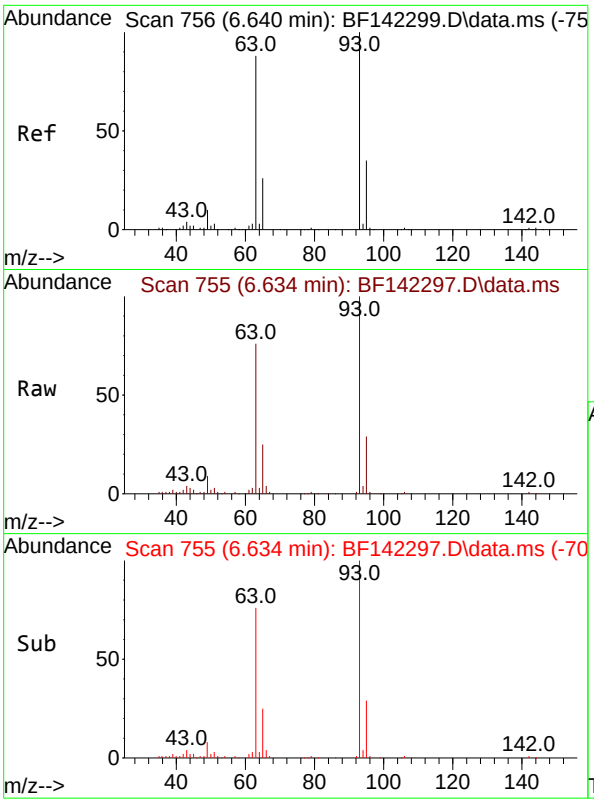


#10
Phenol
Concen: 10.003 ng
RT: 6.528 min Scan# 737
Delta R.T. -0.012 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion: 94 Resp: 162652

Ion	Ratio	Lower	Upper
94	100		
65	28.9	8.5	48.5
66	37.5	17.3	57.3



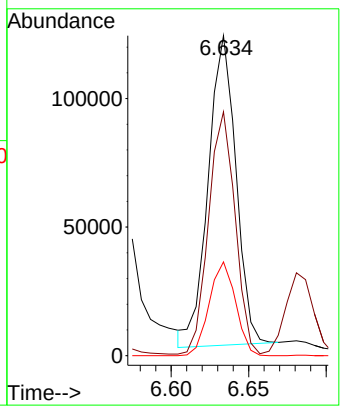


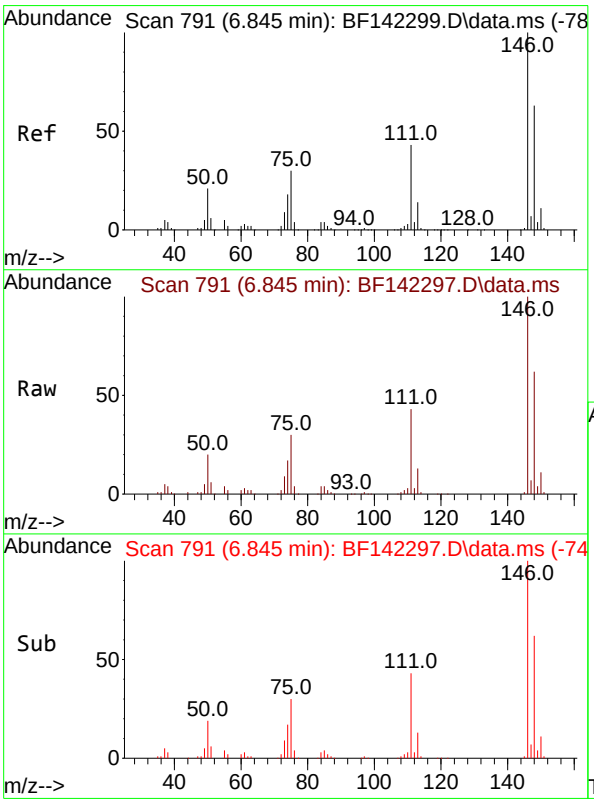
#11
bis(2-Chloroethyl)ether
Concen: 9.346 ng
RT: 6.634 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 93 Resp: 149862

Ion	Ratio	Lower	Upper
93	100		
63	76.2	58.4	98.4
95	29.3	10.6	50.6

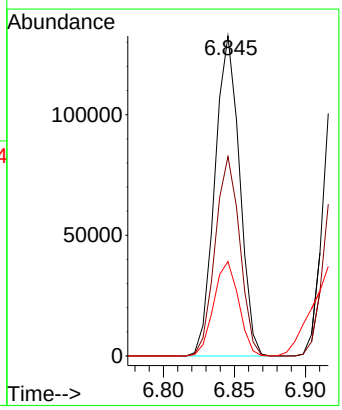


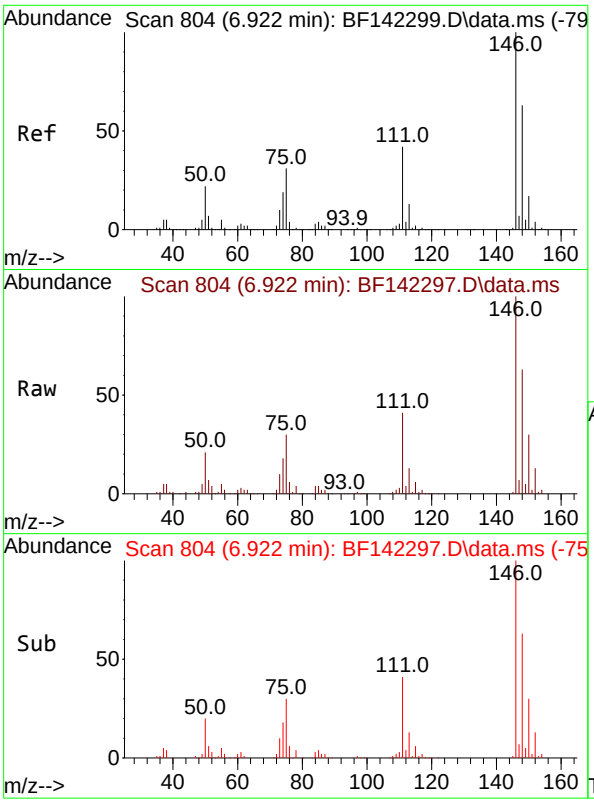


#12
1,3-Dichlorobenzene
Concen: 10.505 ng
RT: 6.845 min Scan# 791
Delta R.T. -0.000 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:146 Resp: 160179

Ion	Ratio	Lower	Upper
146	100		
148	62.3	50.6	76.0
75	29.5	24.2	36.4



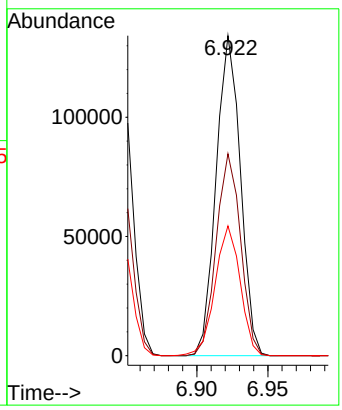


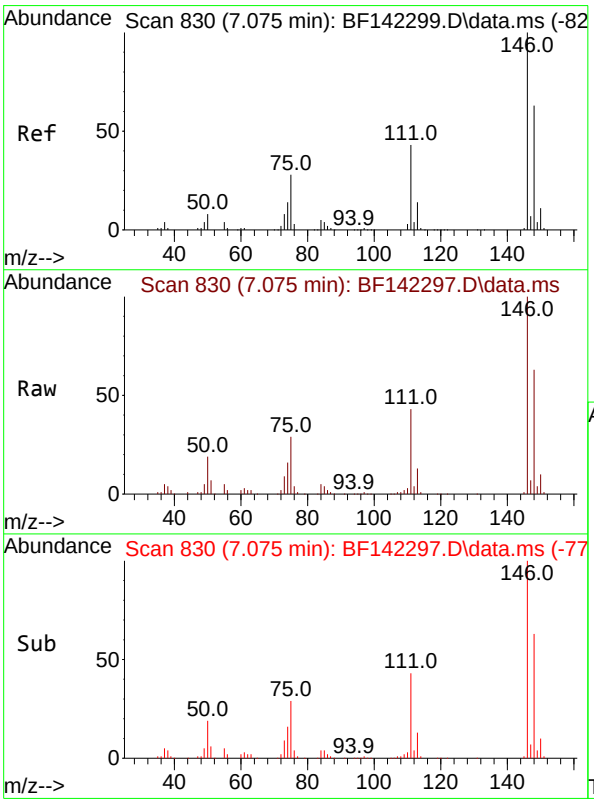
#13
1,4-Dichlorobenzene
Concen: 10.427 ng
RT: 6.922 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:146 Resp: 159624

Ion	Ratio	Lower	Upper
146	100		
148	63.1	50.5	75.7
111	40.6	33.4	50.2

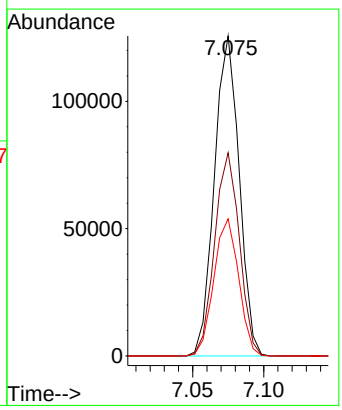


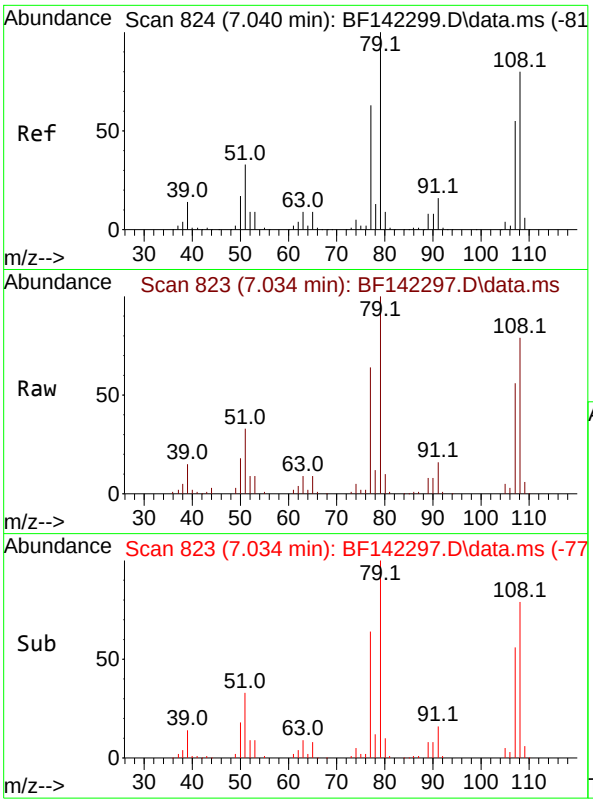


#14
1,2-Dichlorobenzene
Concen: 10.376 ng
RT: 7.075 min Scan# 830
Delta R.T. 0.000 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:146 Resp: 152479

Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.3	75.5
111	42.9	34.5	51.7



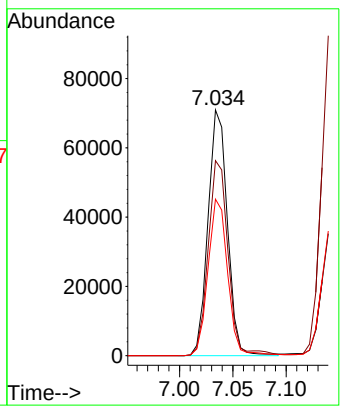


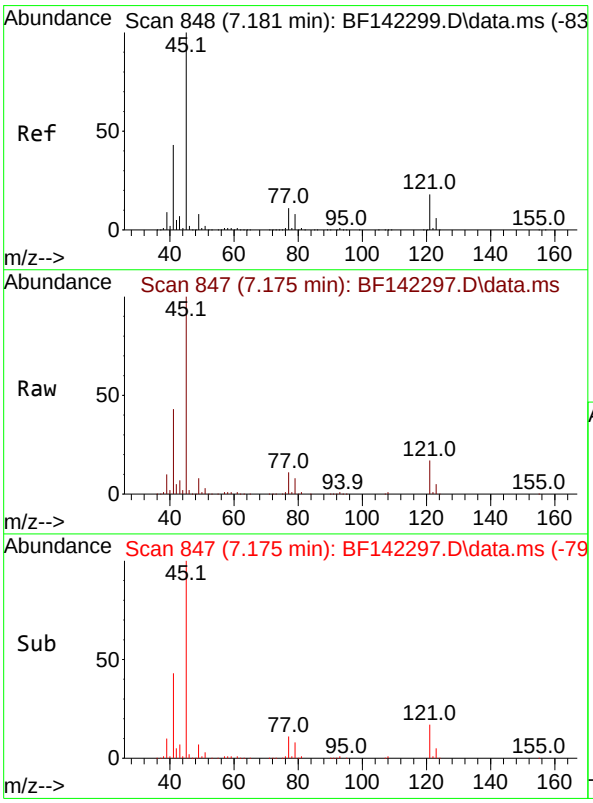
#15
Benzyl Alcohol
Concen: 9.040 ng
RT: 7.034 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 89790

Ion	Ratio	Lower	Upper
79	100		
108	79.4	63.9	95.9
77	63.7	50.7	76.1

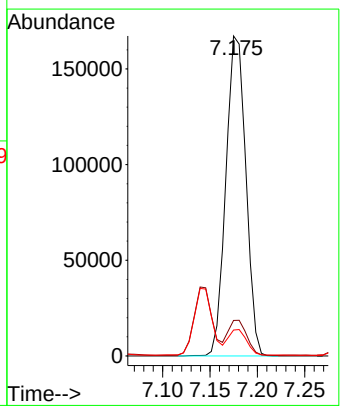


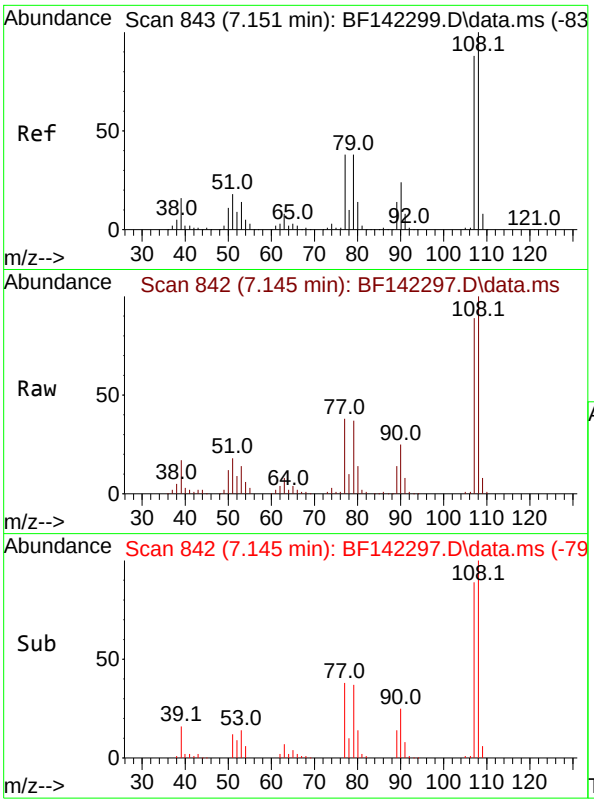


#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.270 ng
RT: 7.175 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion: 45 Resp: 245918

Ion	Ratio	Lower	Upper
45	100		
77	11.1	0.0	31.2
79	8.1	0.0	28.5



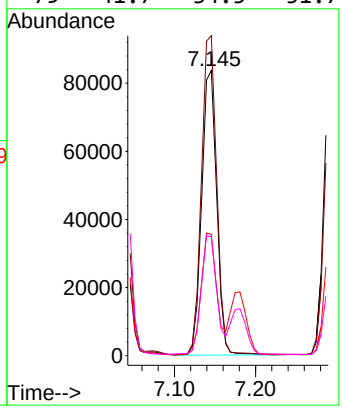


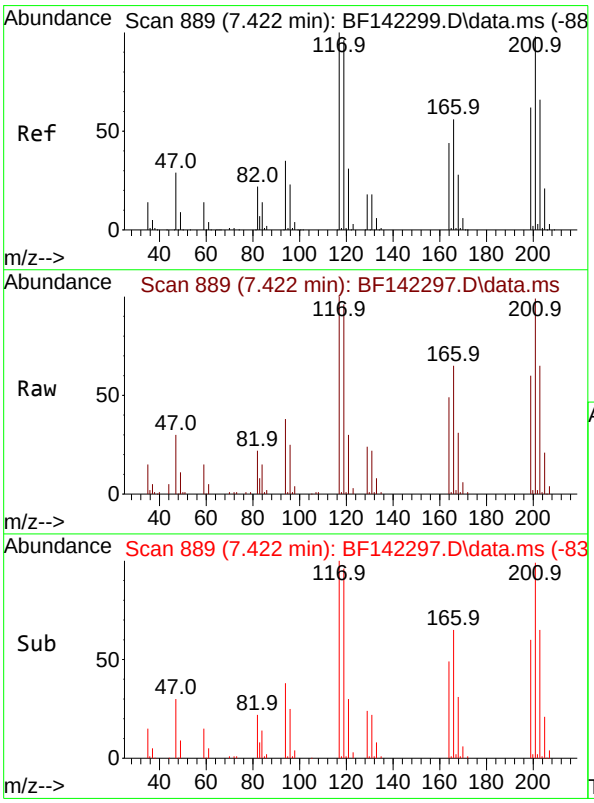
#17
2-Methylphenol
Concen: 9.947 ng
RT: 7.145 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:107 Resp: 107331

Ion	Ratio	Lower	Upper
107	100		
108	112.2	91.1	136.7
77	42.5	34.7	52.1
79	41.7	34.5	51.7

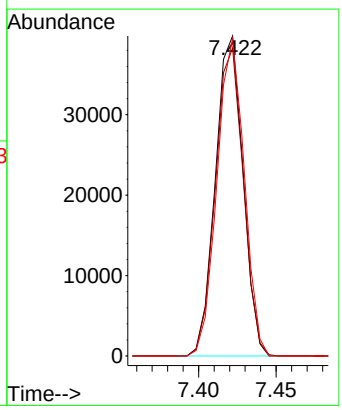


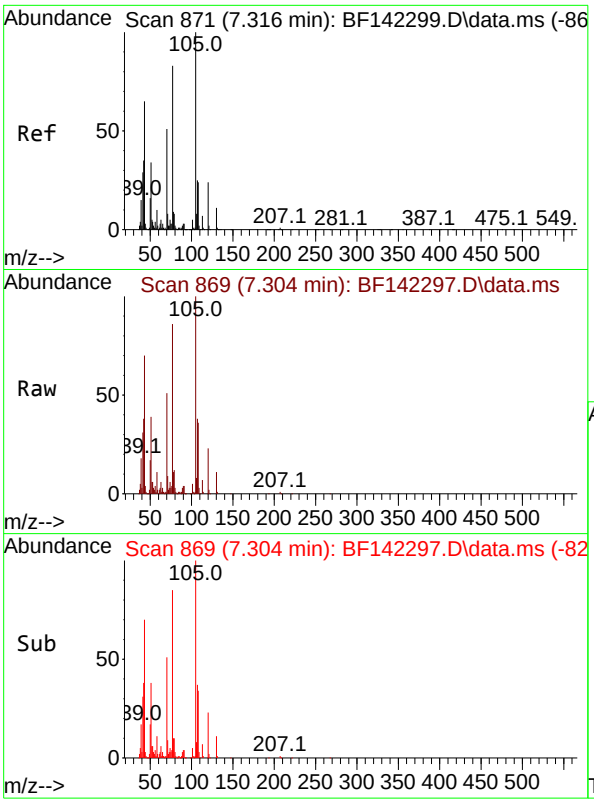


#18
Hexachloroethane
Concen: 9.702 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.000 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:117 Resp: 49420

Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.9	115.3
201	99.2	78.0	117.0



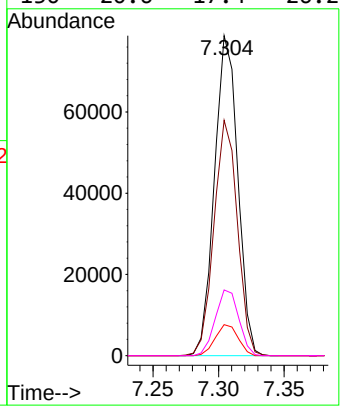


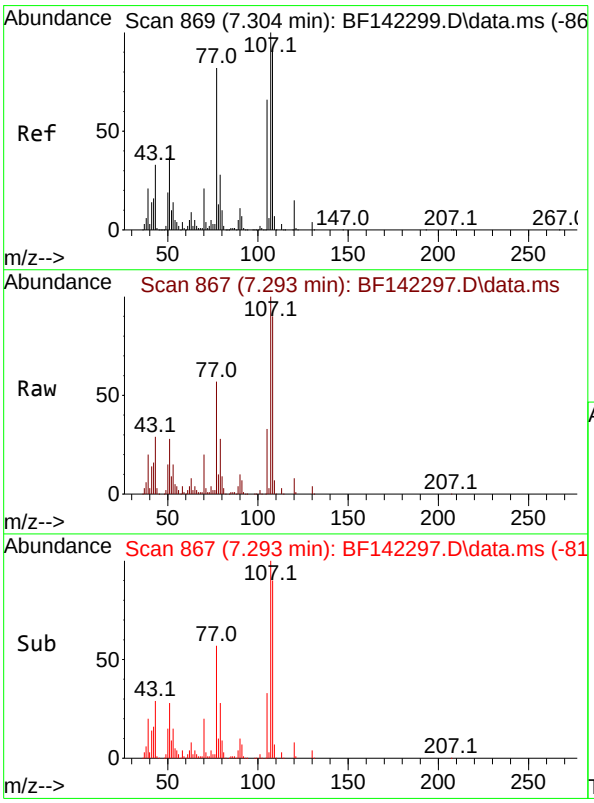
#19
n-Nitroso-di-n-propylamine
Concen: 10.264 ng
RT: 7.304 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 70 Resp: 97394

Ion	Ratio	Lower	Upper
70	100		
42	73.5	54.8	82.2
101	9.7	7.7	11.5
130	20.6	17.4	26.2

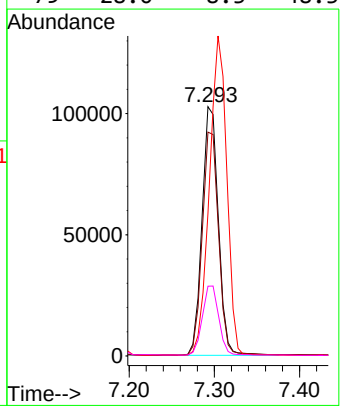


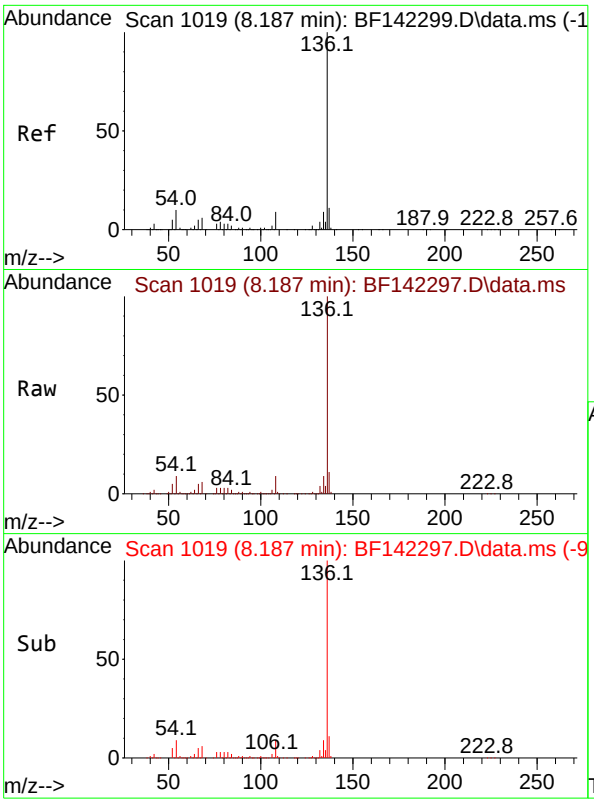


#20
3+4-Methylphenols
Concen: 10.127 ng
RT: 7.293 min Scan# 867
Delta R.T. -0.012 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:107 Resp: 136376

Ion	Ratio	Lower	Upper
107	100		
108	89.8	71.5	111.5
77	57.2	61.6	101.6#
79	28.0	8.3	48.3



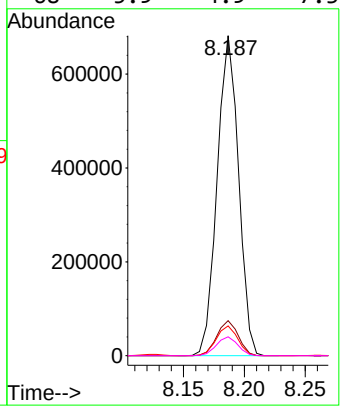


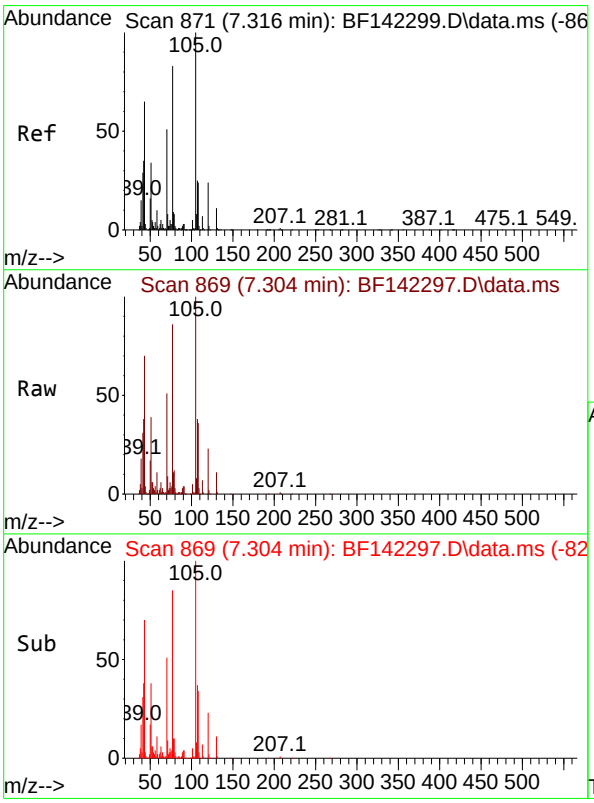
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:136 Resp: 834027

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	9.3	7.7	11.5
68	5.9	4.9	7.3

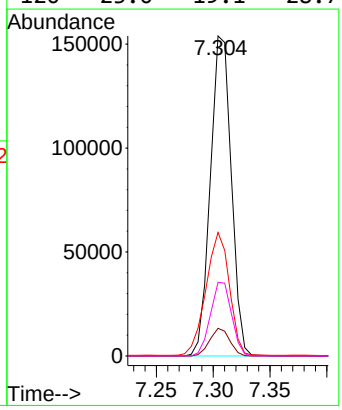


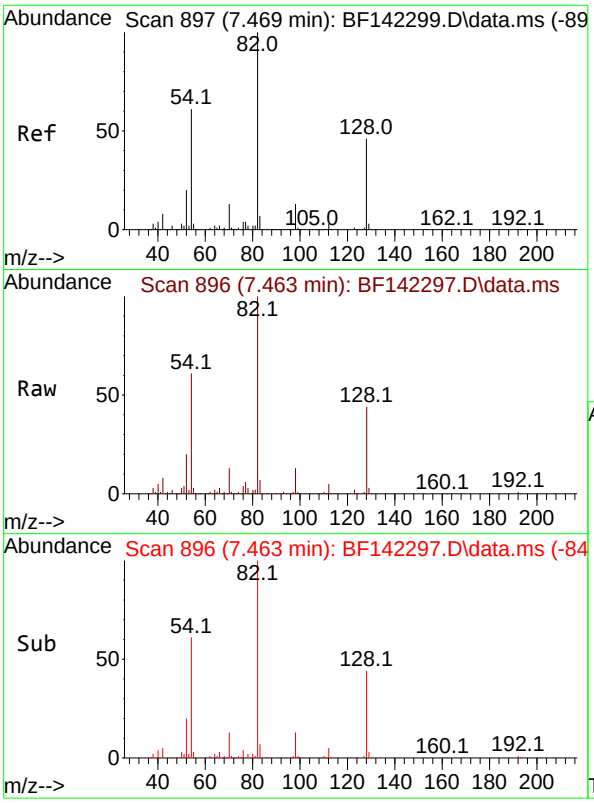


#22
Acetophenone
Concen: 10.662 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:105 Resp: 197710

Ion	Ratio	Lower	Upper
105	100		
71	8.6	6.7	10.1
51	38.6	27.6	41.4
120	23.0	19.1	28.7



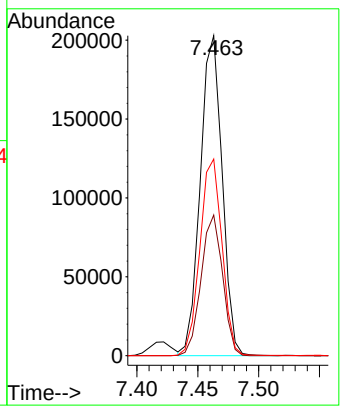


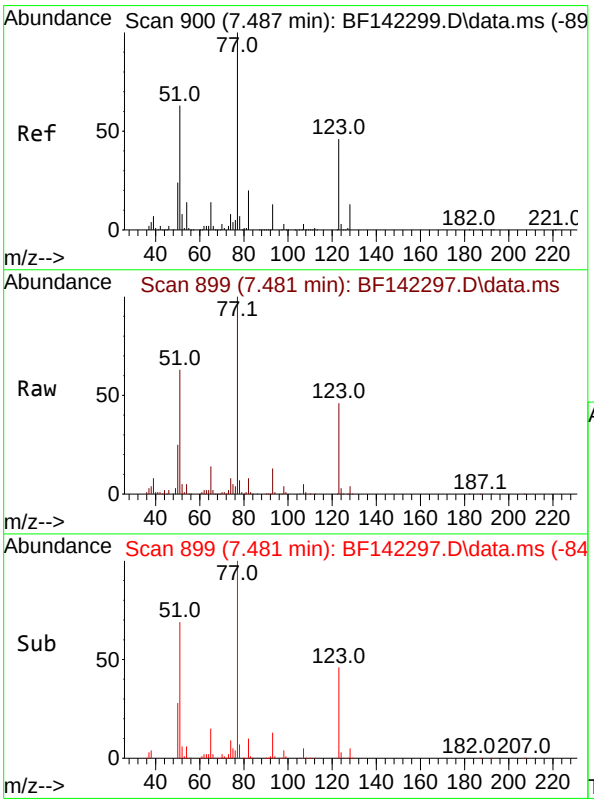
#23
Nitrobenzene-d5
Concen: 18.533 ng
RT: 7.463 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 253451

Ion	Ratio	Lower	Upper
82	100		
128	43.9	37.0	55.6
54	61.4	48.6	73.0

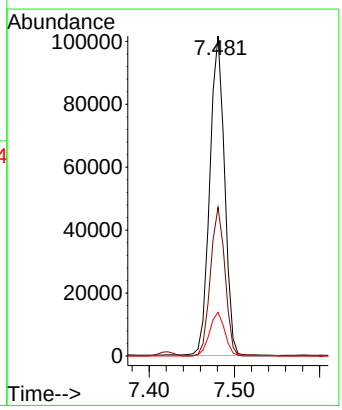


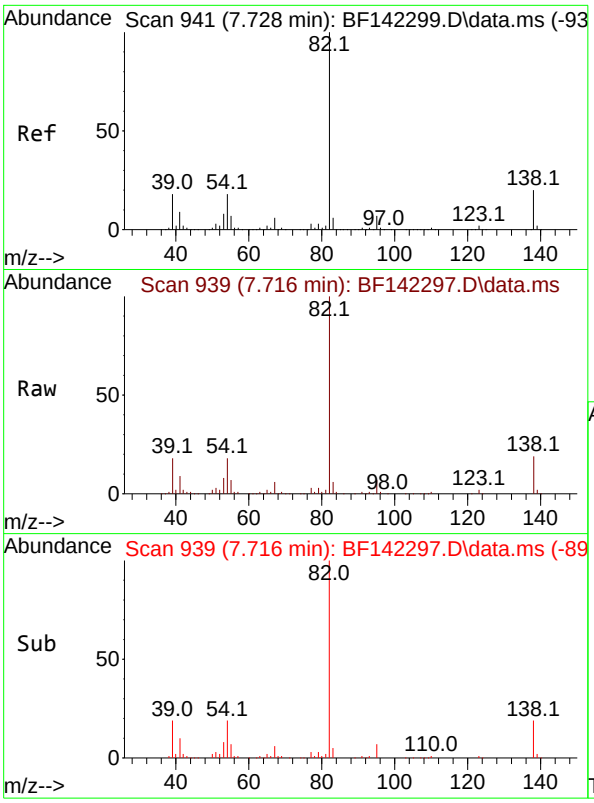


#24
Nitrobenzene
Concen: 9.485 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion: 77 Resp: 122267

Ion	Ratio	Lower	Upper
77	100		
123	46.4	37.8	56.8
65	13.6	11.4	17.0



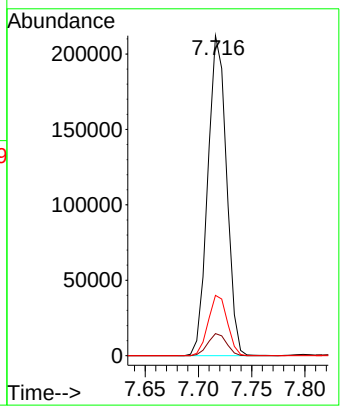


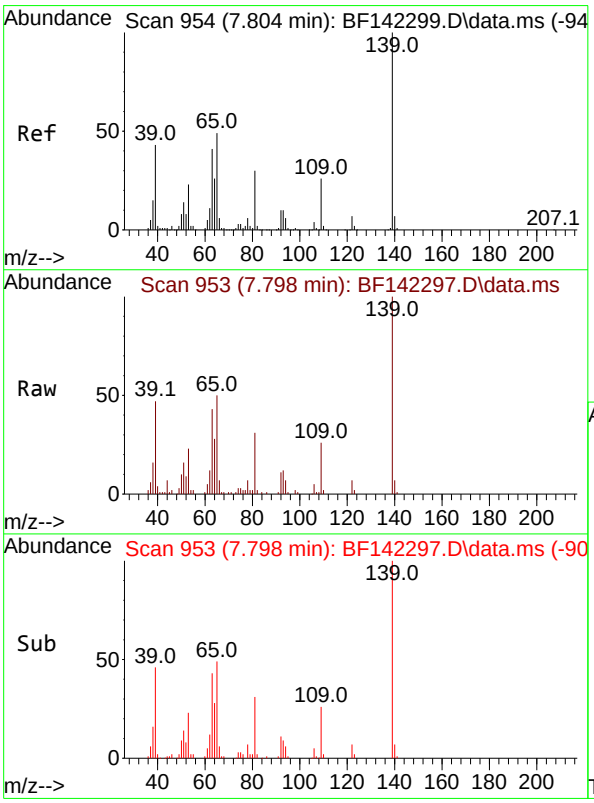
#25
Isophorone
Concen: 10.039 ng
RT: 7.716 min Scan# 9
Delta R.T. -0.012 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 82 Resp: 259962

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.8	8.8
138	18.9	16.1	24.1

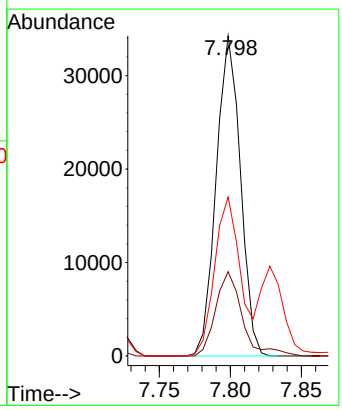


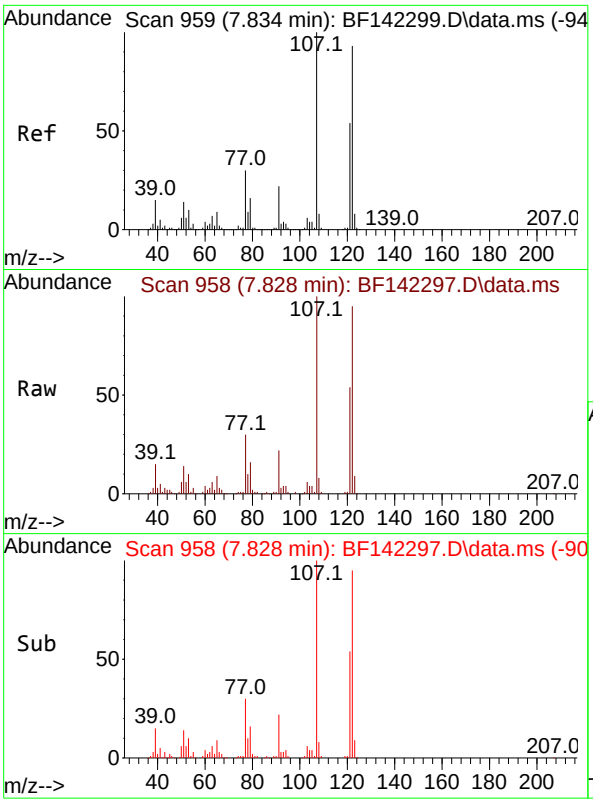


#26
2-Nitrophenol
Concen: 10.066 ng
RT: 7.798 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:139 Resp: 40609

Ion	Ratio	Lower	Upper
139	100		
109	26.3	20.8	31.2
65	49.6	38.9	58.3



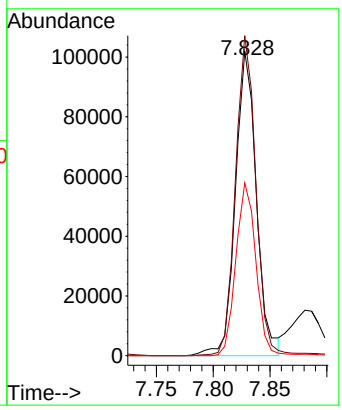


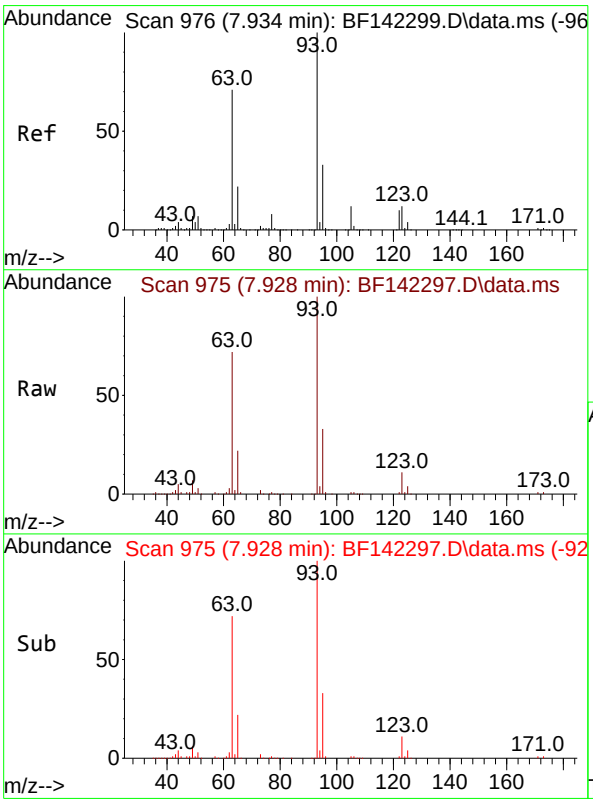
#27
2,4-Dimethylphenol
Concen: 10.068 ng
RT: 7.828 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:122 Resp: 131079

Ion	Ratio	Lower	Upper
122	100		
107	105.2	86.0	129.0
121	56.8	46.2	69.4

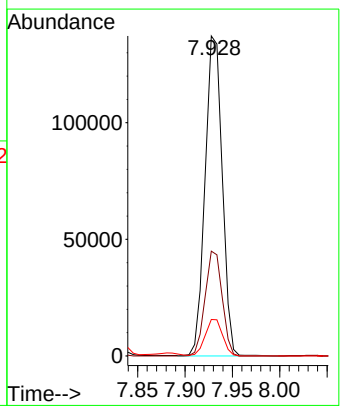


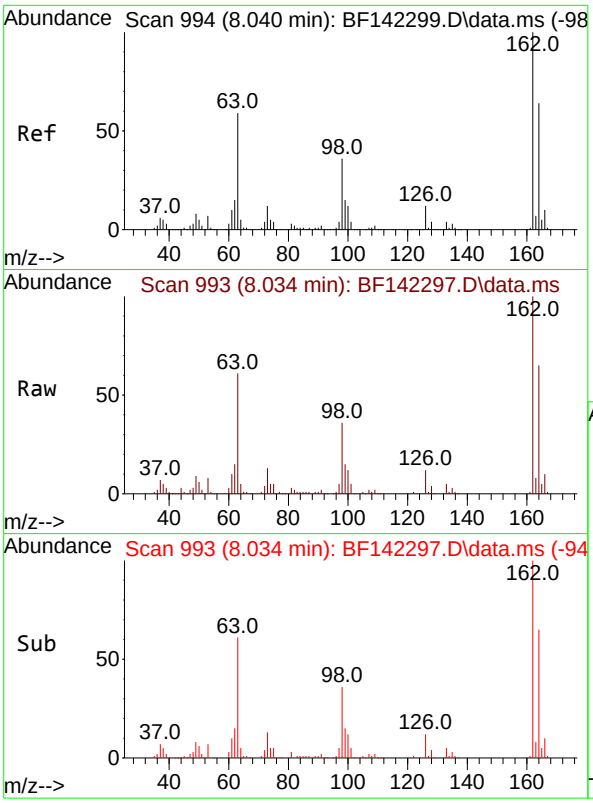


#28
bis(2-Chloroethoxy)methane
Concen: 10.373 ng
RT: 7.928 min Scan# 975
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion: 93 Resp: 172734

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.1	39.1
123	11.4	10.2	15.4



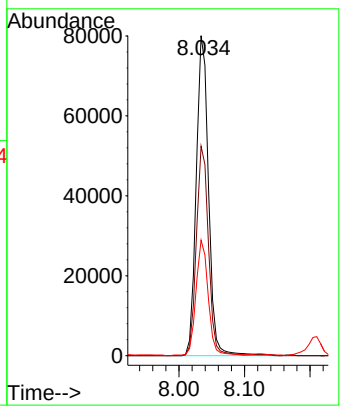


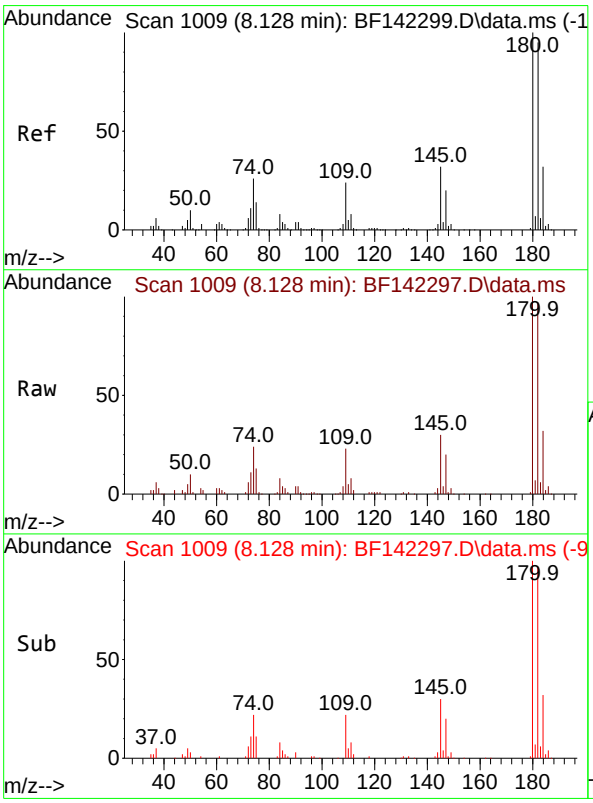
#29
2,4-Dichlorophenol
Concen: 9.468 ng
RT: 8.034 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 104807

Ion	Ratio	Lower	Upper
162	100		
164	65.5	43.6	83.6
98	36.1	16.5	56.5

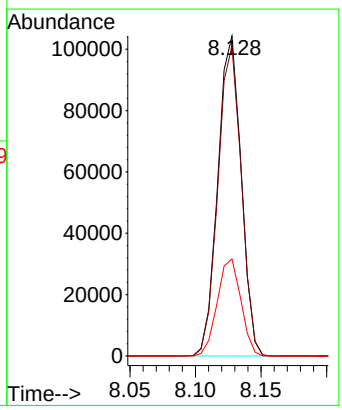


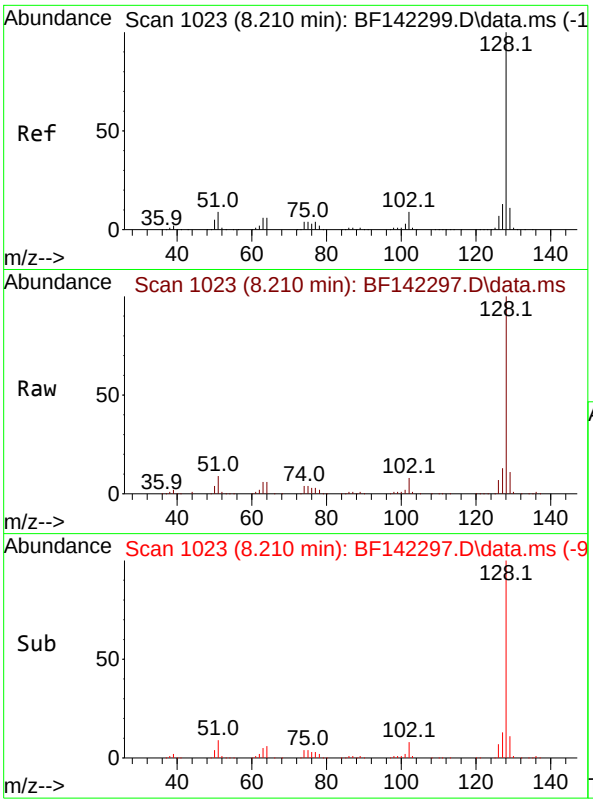


#30
1,2,4-Trichlorobenzene
Concen: 10.358 ng
RT: 8.128 min Scan# 1009
Delta R.T. -0.000 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:180 Resp: 129041

Ion	Ratio	Lower	Upper
180	100		
182	96.9	76.2	114.4
145	30.3	25.8	38.6



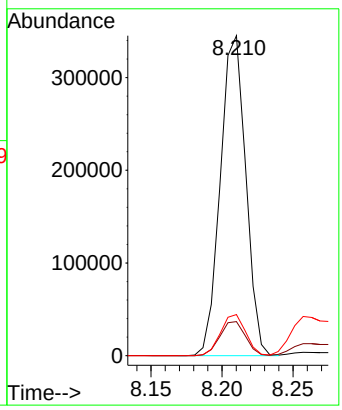


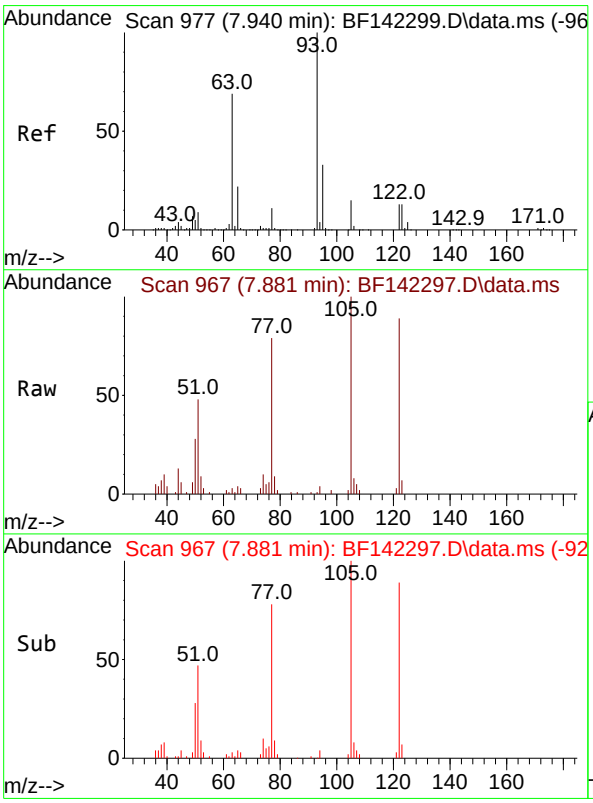
#31
Naphthalene
Concen: 10.638 ng
RT: 8.210 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:128 Resp: 429996

Ion	Ratio	Lower	Upper
128	100		
129	10.7	9.1	13.7
127	12.8	10.5	15.7

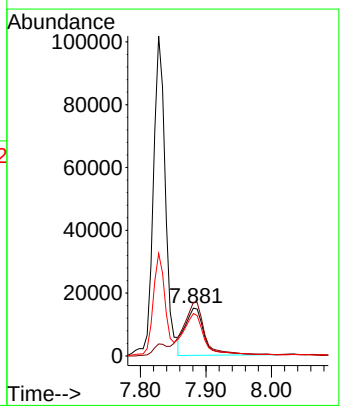


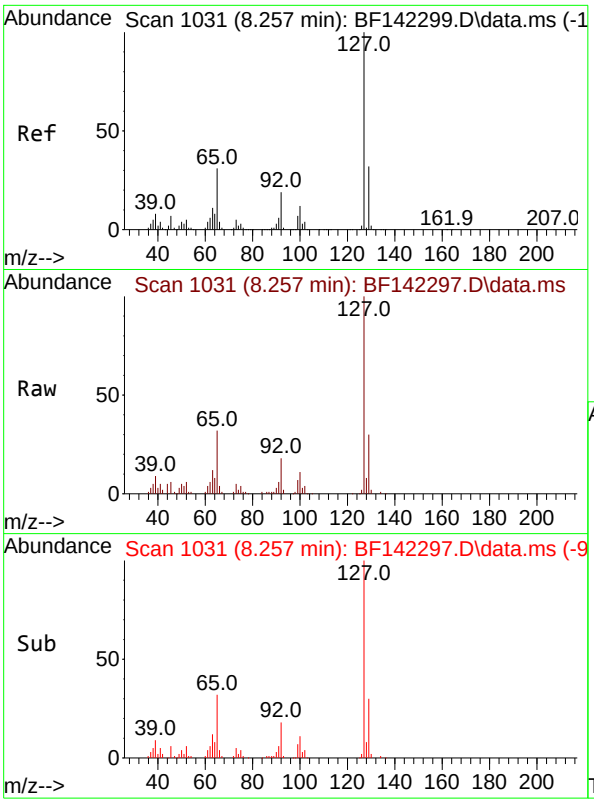


#32
Benzoic acid
Concen: 10.521 ng
RT: 7.881 min Scan# 967
Delta R.T. -0.059 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:122 Resp: 31063

Ion	Ratio	Lower	Upper
122	100		
105	112.0	97.9	137.9
77	88.5	67.7	107.7



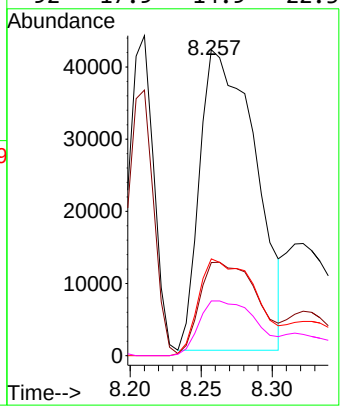


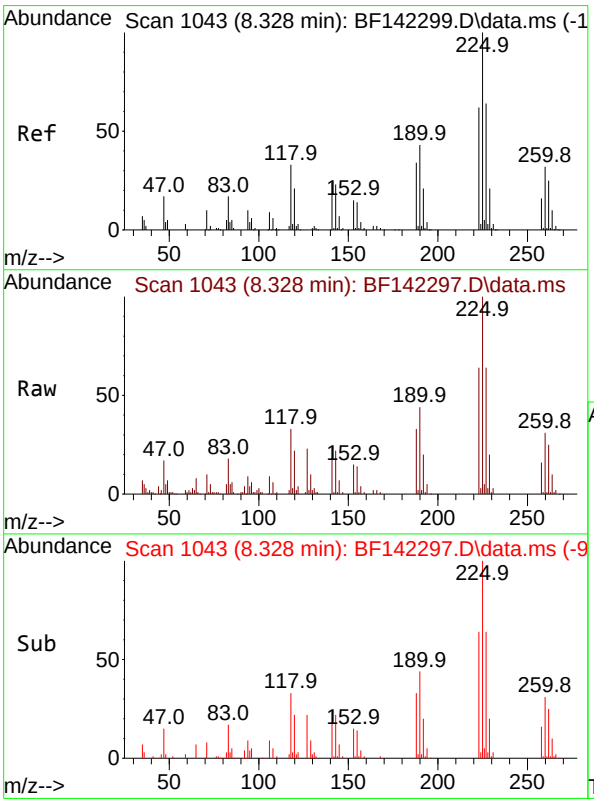
#33
4-Chloroaniline
Concen: 6.871 ng
RT: 8.257 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:127 Resp: 113120

Ion	Ratio	Lower	Upper
127	100		
129	30.4	25.7	38.5
65	31.6	24.9	37.3
92	17.9	14.9	22.3

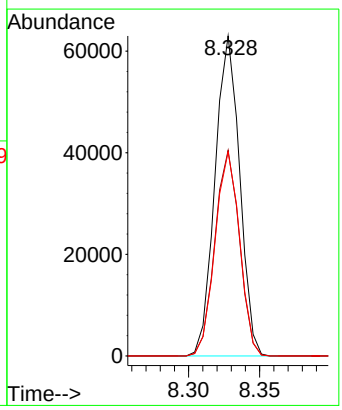


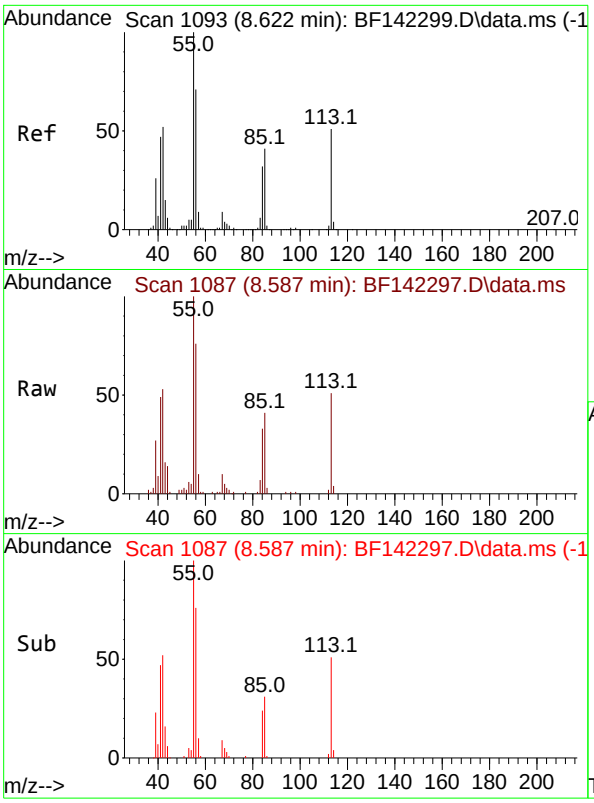


#34
Hexachlorobutadiene
Concen: 10.292 ng
RT: 8.328 min Scan# 1043
Delta R.T. 0.000 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:225 Resp: 75921

Ion	Ratio	Lower	Upper
225	100		
223	64.3	49.8	74.6
227	63.7	50.9	76.3



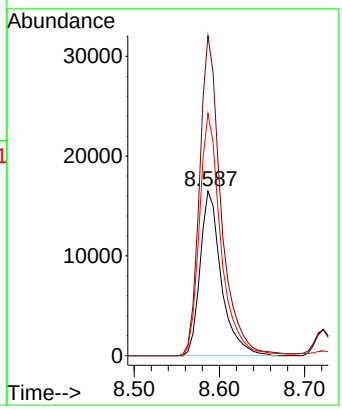


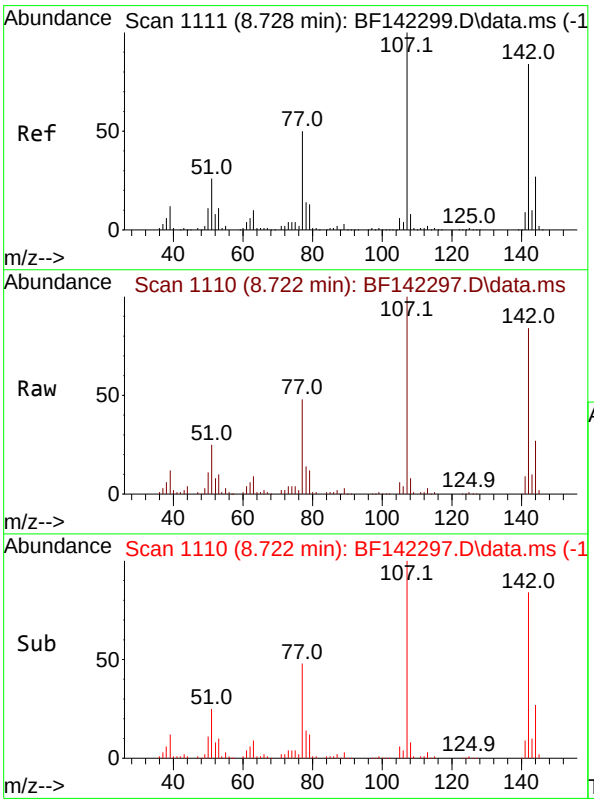
#35
Caprolactam
Concen: 8.834 ng
RT: 8.587 min Scan# 1
Delta R.T. -0.035 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:113 Resp: 28438

Ion	Ratio	Lower	Upper
113	100		
55	194.5	176.4	216.4
56	147.3	120.3	160.3

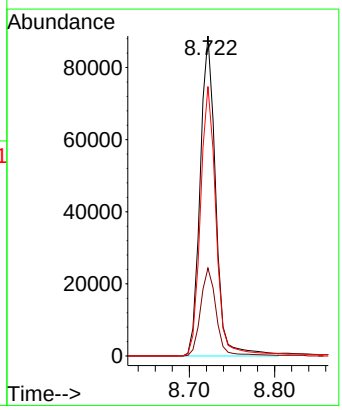


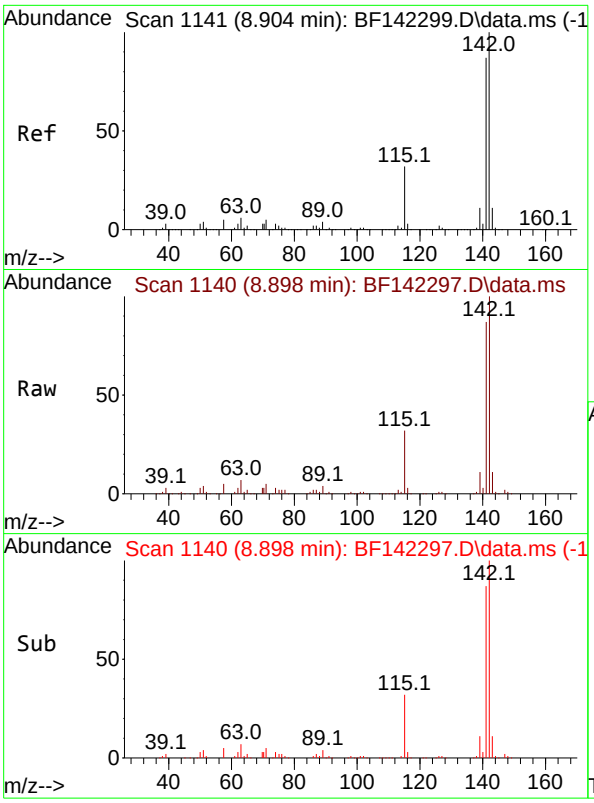


#36
4-Chloro-3-methylphenol
Concen: 9.800 ng
RT: 8.722 min Scan# 1110
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:107 Resp: 112762

Ion	Ratio	Lower	Upper
107	100		
144	27.5	21.3	31.9
142	84.2	66.9	100.3



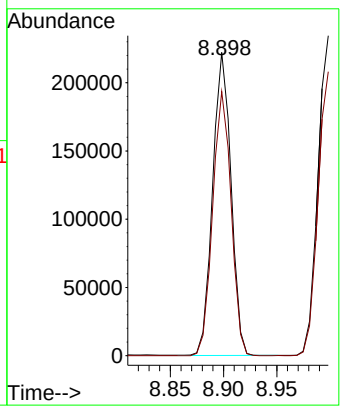


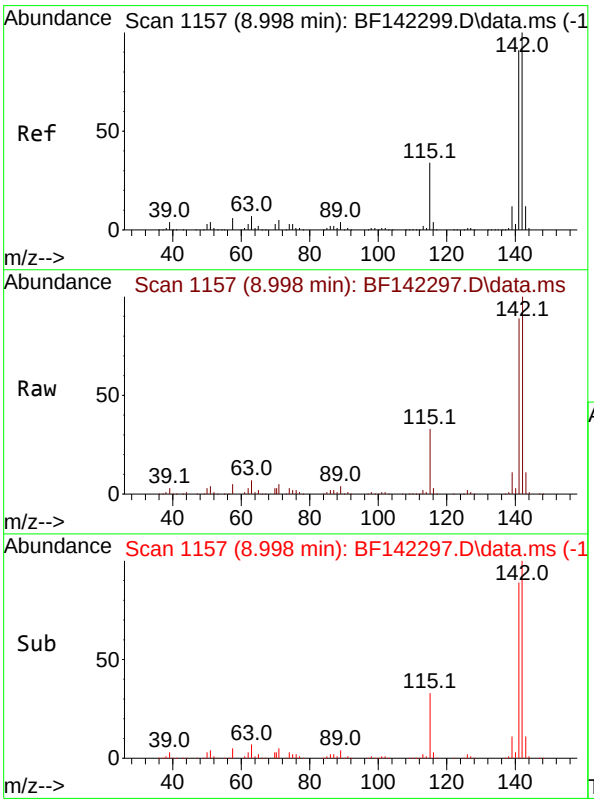
#37
2-Methylnaphthalene
Concen: 10.564 ng
RT: 8.898 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:142 Resp: 265328

Ion	Ratio	Lower	Upper
142	100		
141	87.1	69.4	104.2

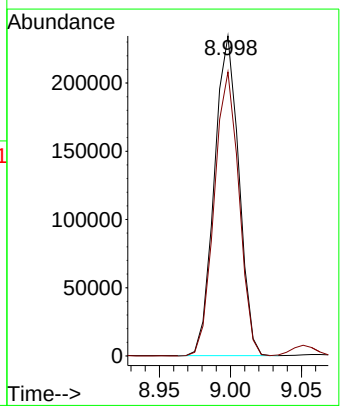


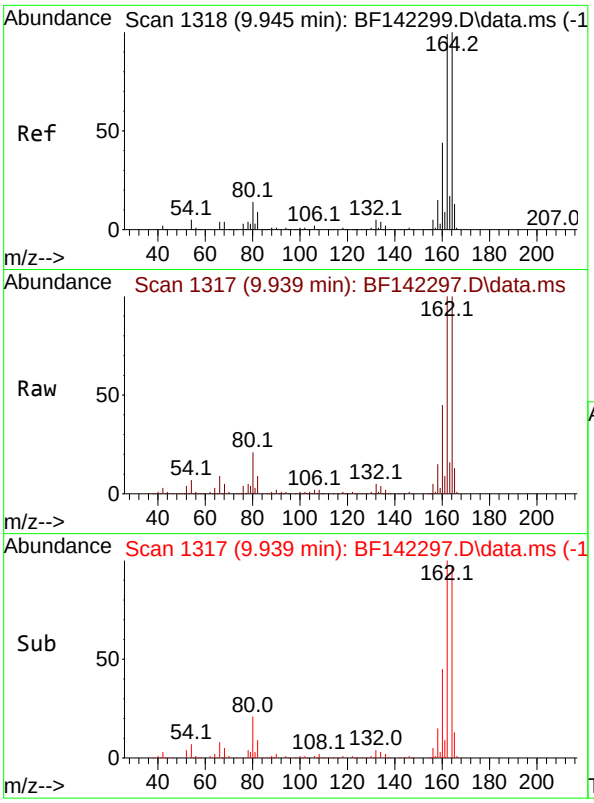


#38
1-Methylnaphthalene
Concen: 10.745 ng
RT: 8.998 min Scan# 1157
Delta R.T. -0.000 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:142 Resp: 281289

Ion	Ratio	Lower	Upper
142	100		
141	88.8	72.5	108.7



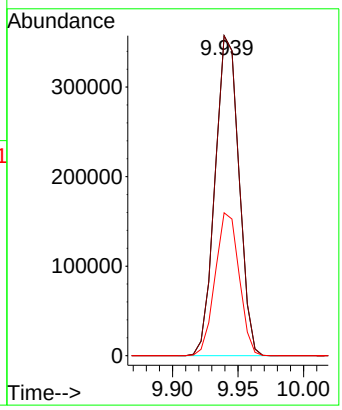


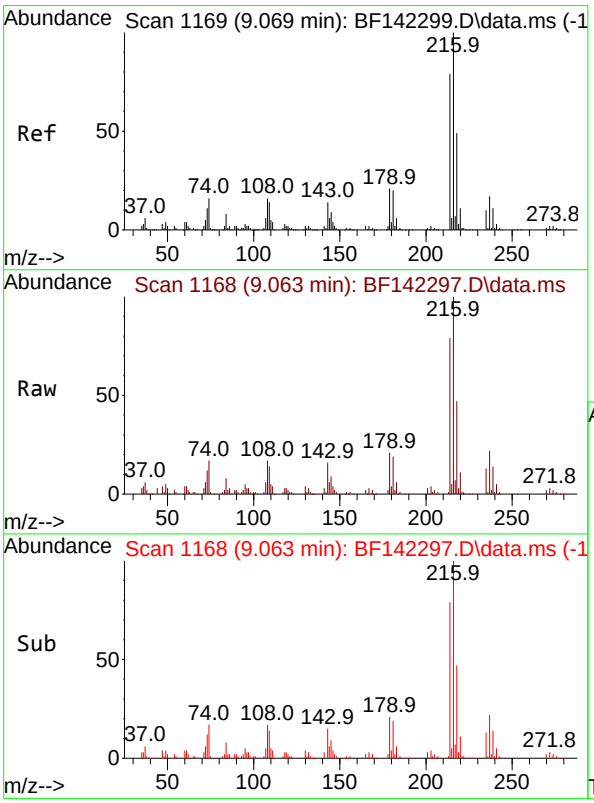
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:164 Resp: 451658

Ion	Ratio	Lower	Upper
164	100		
162	99.9	79.2	118.8
160	44.7	35.3	52.9

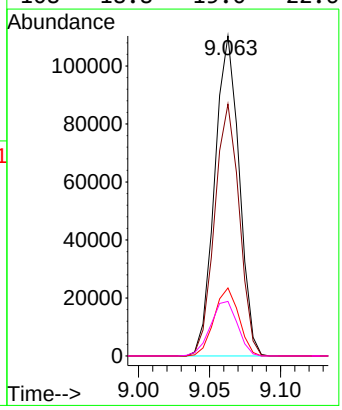


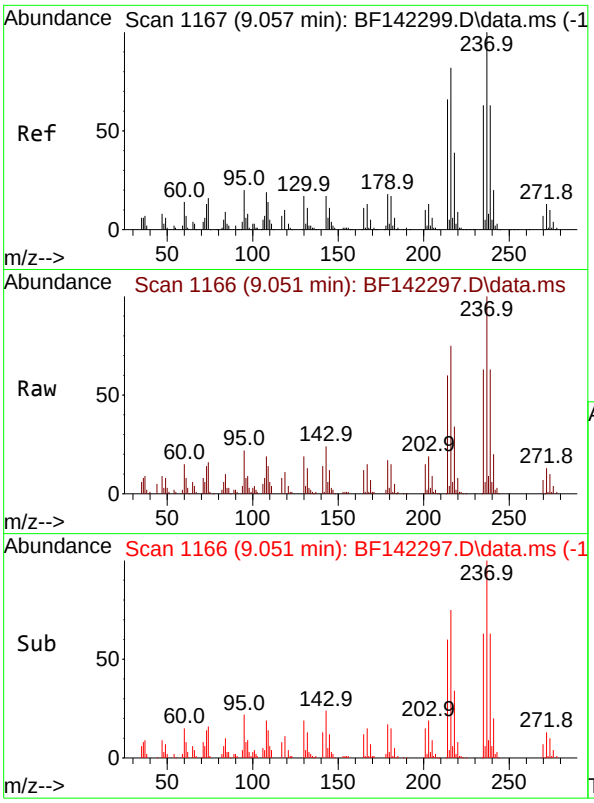


#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.492 ng
RT: 9.063 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:216 Resp: 132346

Ion	Ratio	Lower	Upper
216	100		
214	79.1	63.8	95.6
179	21.5	17.0	25.6
108	18.8	15.0	22.6



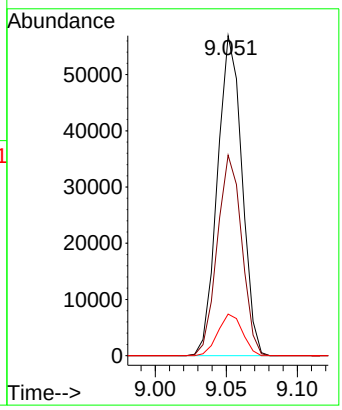


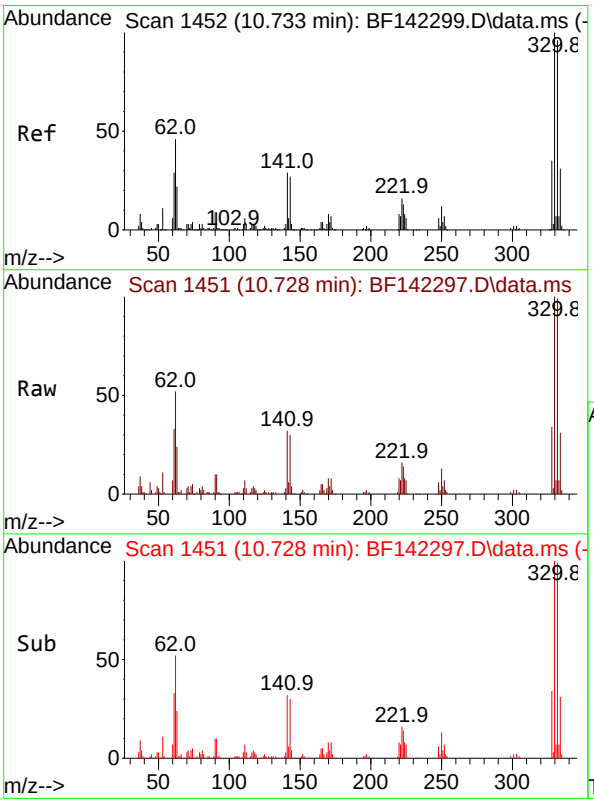
#41
Hexachlorocyclopentadiene
Concen: 8.764 ng
RT: 9.051 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:237 Resp: 68324

Ion	Ratio	Lower	Upper
237	100		
235	62.6	42.8	82.8
272	13.0	0.0	33.0

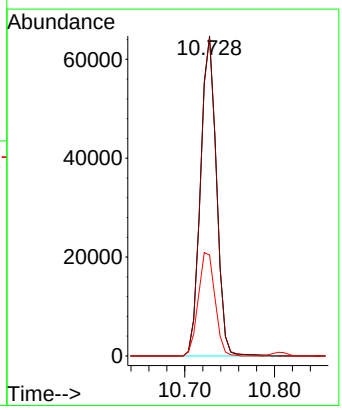


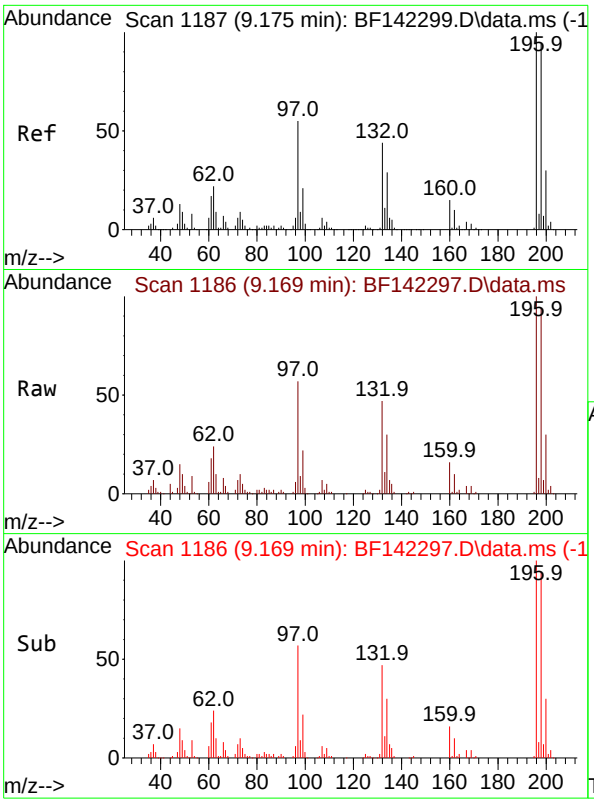


#42
2,4,6-Tribromophenol
Concen: 18.247 ng
RT: 10.728 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:330 Resp: 79570

Ion	Ratio	Lower	Upper
330	100		
332	99.3	76.8	115.2
141	34.0	24.9	37.3



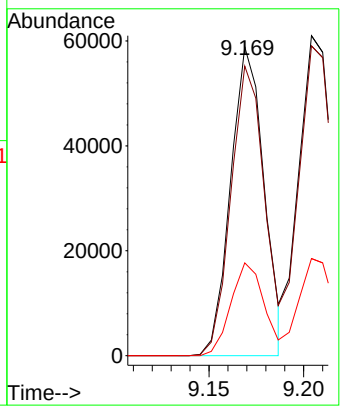


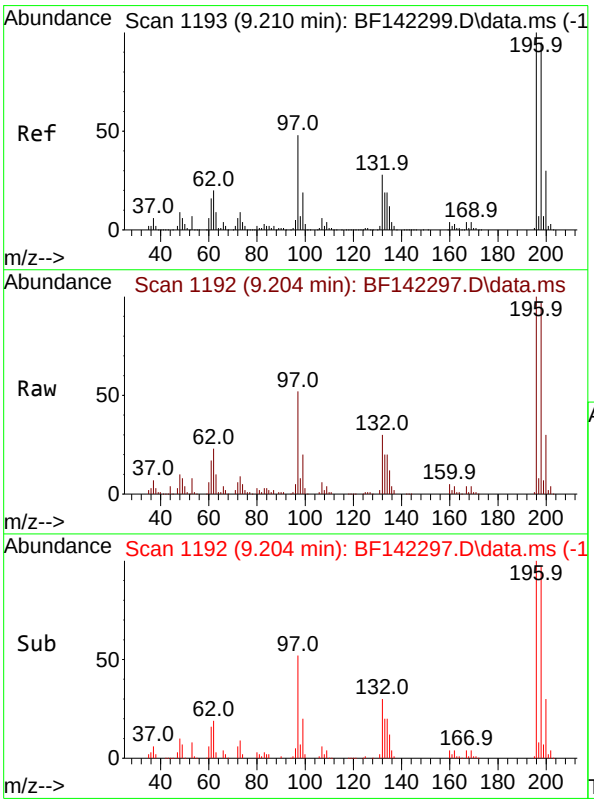
#43
2,4,6-Trichlorophenol
Concen: 9.078 ng
RT: 9.169 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:196 Resp: 72234

Ion	Ratio	Lower	Upper
196	100		
198	93.8	75.4	113.0
200	30.0	24.3	36.5

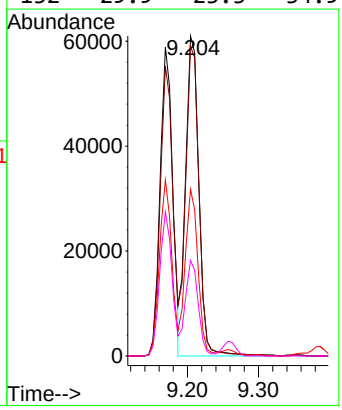


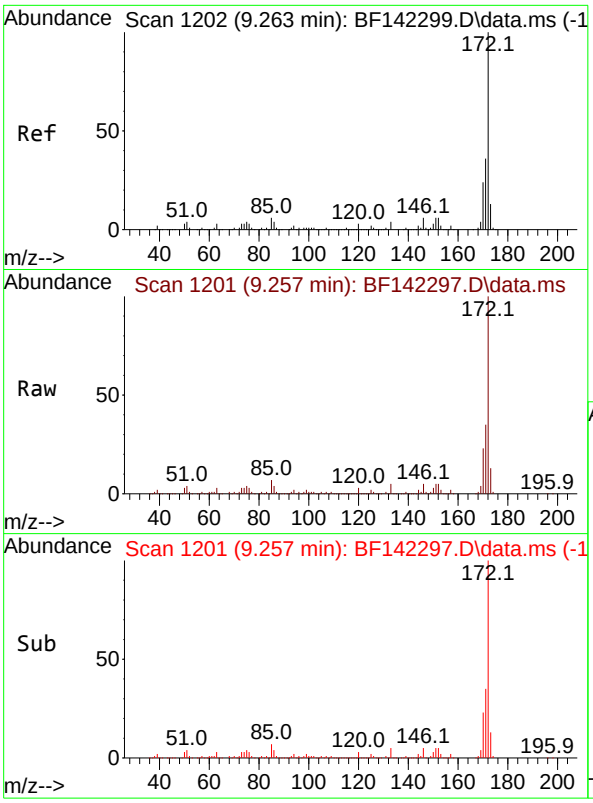


#44
2,4,5-Trichlorophenol
Concen: 9.429 ng
RT: 9.204 min Scan# 1192
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:196 Resp: 79827

Ion	Ratio	Lower	Upper
196	100		
198	96.8	76.1	114.1
97	52.1	39.0	58.4
132	29.9	23.3	34.9



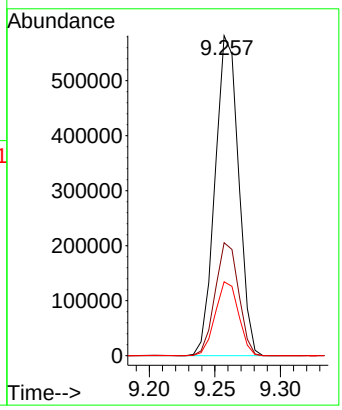


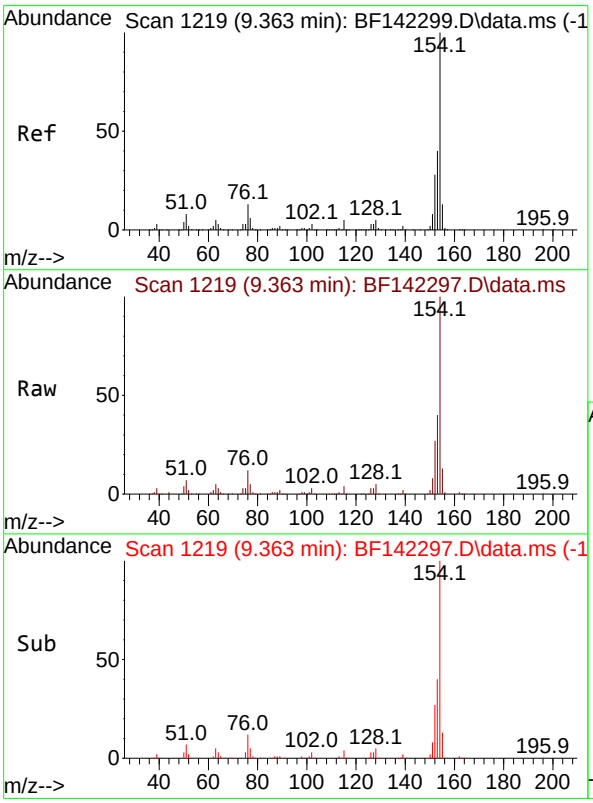
#45
2-Fluorobiphenyl
Concen: 22.888 ng
RT: 9.257 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:172 Resp: 725000

Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.6	42.8
170	23.1	19.0	28.4

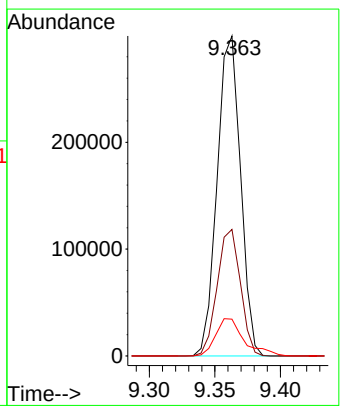


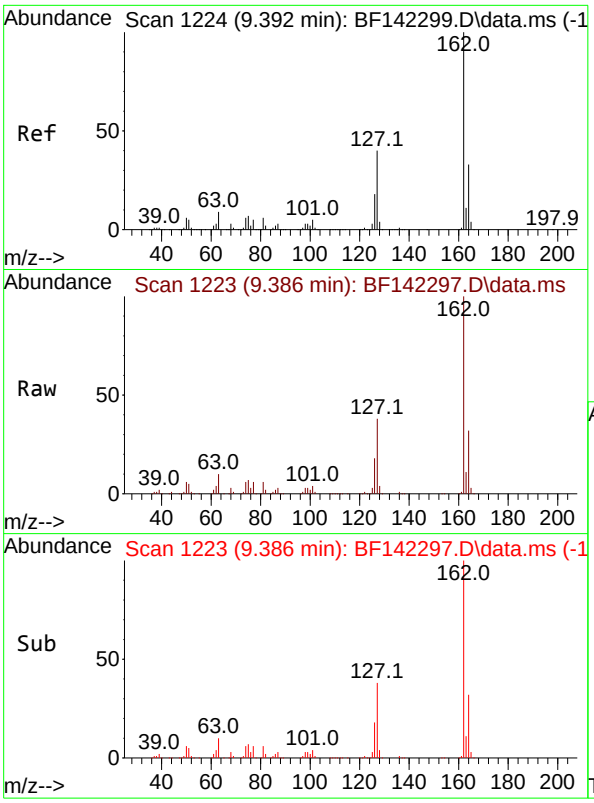


#46
1,1'-Biphenyl
Concen: 10.702 ng
RT: 9.363 min Scan# 1219
Delta R.T. -0.000 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:154 Resp: 370629

Ion	Ratio	Lower	Upper
154	100		
153	39.6	20.5	60.5
76	11.5	0.0	32.8



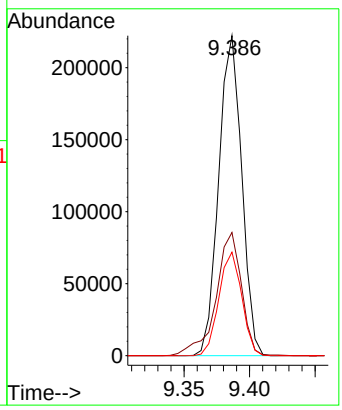


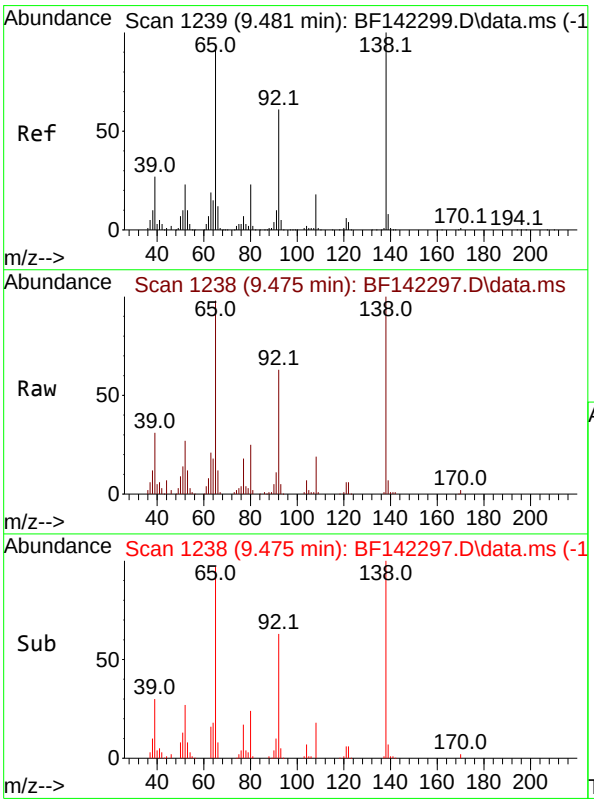
#47
2-Chloronaphthalene
Concen: 10.503 ng
RT: 9.386 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:162 Resp: 270501

Ion	Ratio	Lower	Upper
162	100		
127	38.5	32.3	48.5
164	32.4	26.6	40.0

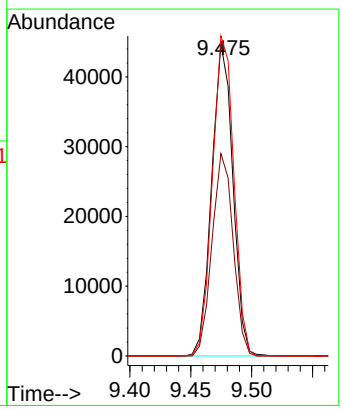


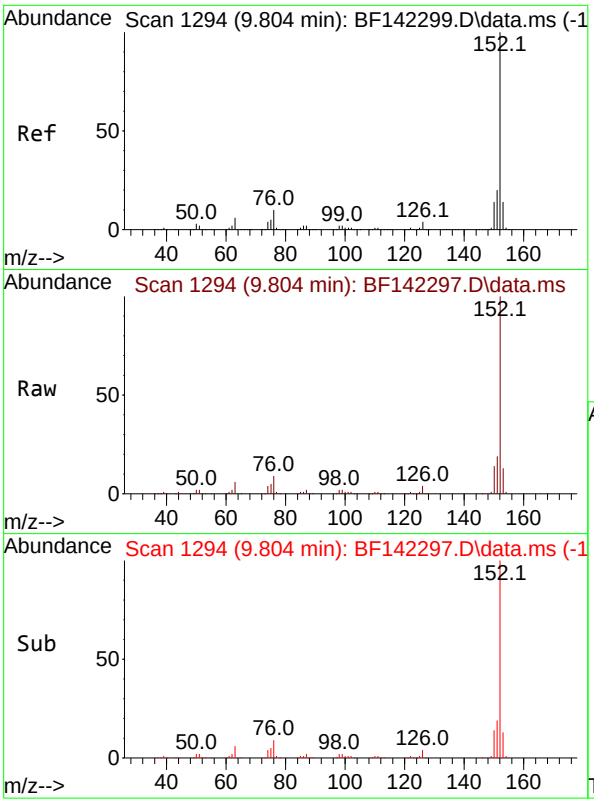


#48
2-Nitroaniline
Concen: 8.208 ng
RT: 9.475 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion: 65 Resp: 54180

Ion	Ratio	Lower	Upper
65	100		
92	64.8	52.3	78.5
138	102.5	85.6	128.4



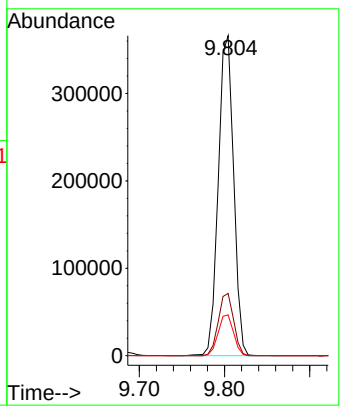


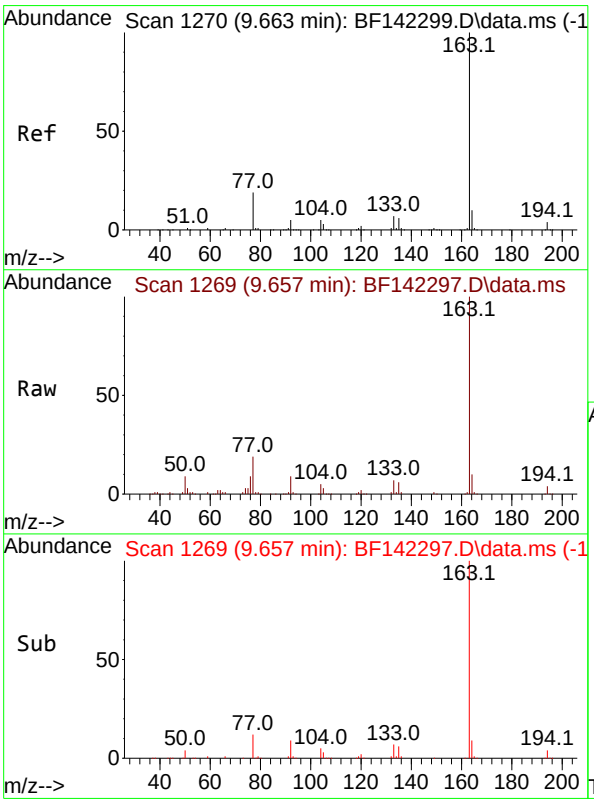
#49
Acenaphthylene
Concen: 10.616 ng
RT: 9.804 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 457356

Ion	Ratio	Lower	Upper
152	100		
151	19.5	16.0	24.0
153	12.7	10.8	16.2

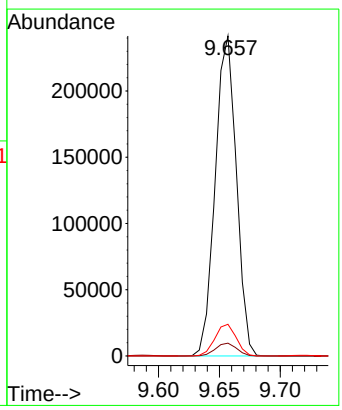


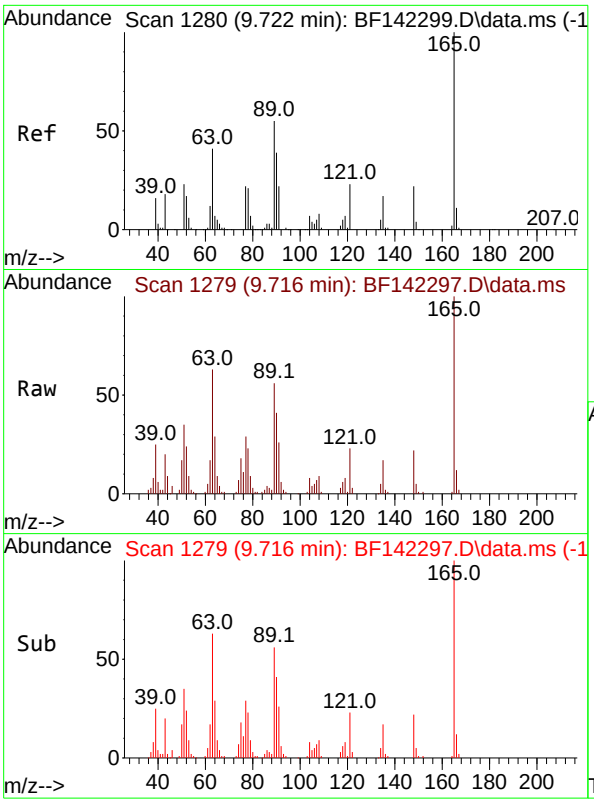


#50
Dimethylphthalate
Concen: 10.080 ng
RT: 9.657 min Scan# 1269
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:163 Resp: 292351

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.2	4.8
164	9.9	8.3	12.5



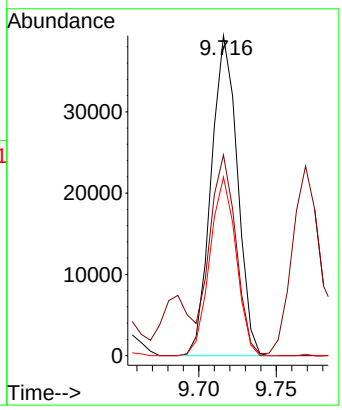


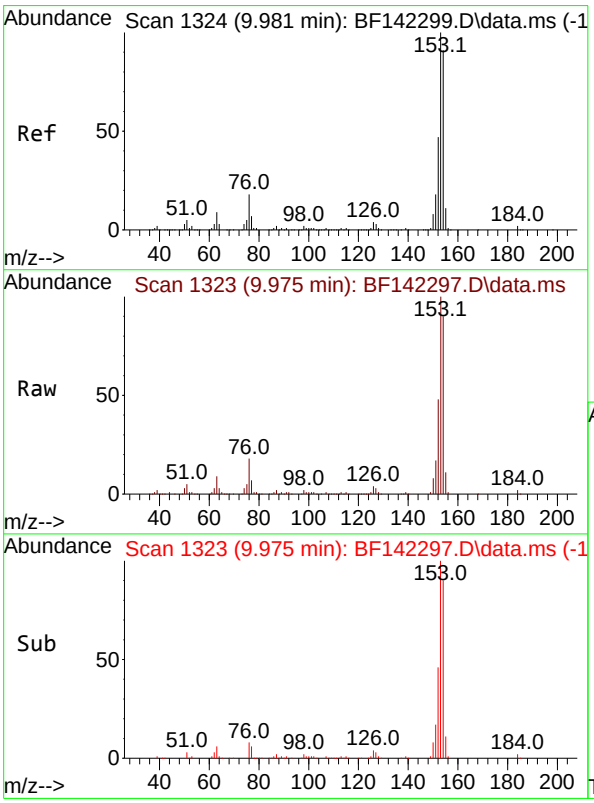
#51
2,6-Dinitrotoluene
Concen: 8.551 ng
RT: 9.716 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 46421

Ion	Ratio	Lower	Upper
165	100		
63	62.8	49.5	74.3
89	55.8	44.6	66.8

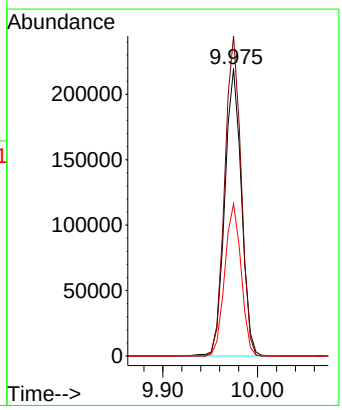


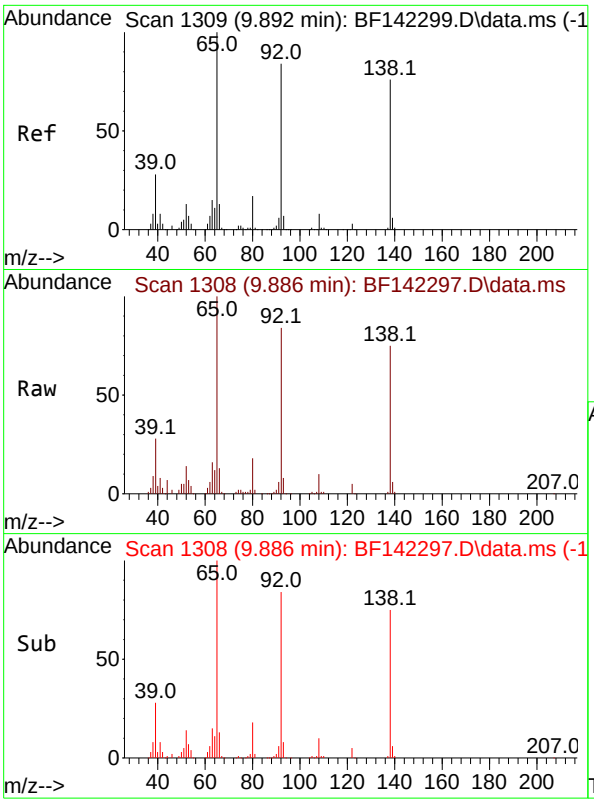


#52
Acenaphthene
Concen: 10.384 ng
RT: 9.975 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:154 Resp: 268993

Ion	Ratio	Lower	Upper
154	100		
153	111.4	88.0	132.0
152	53.0	41.6	62.4



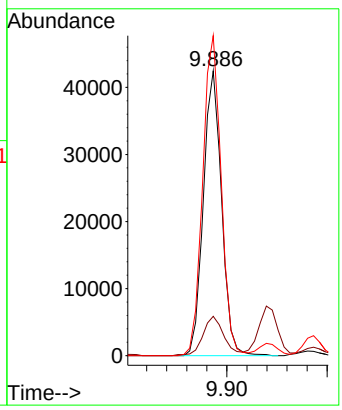


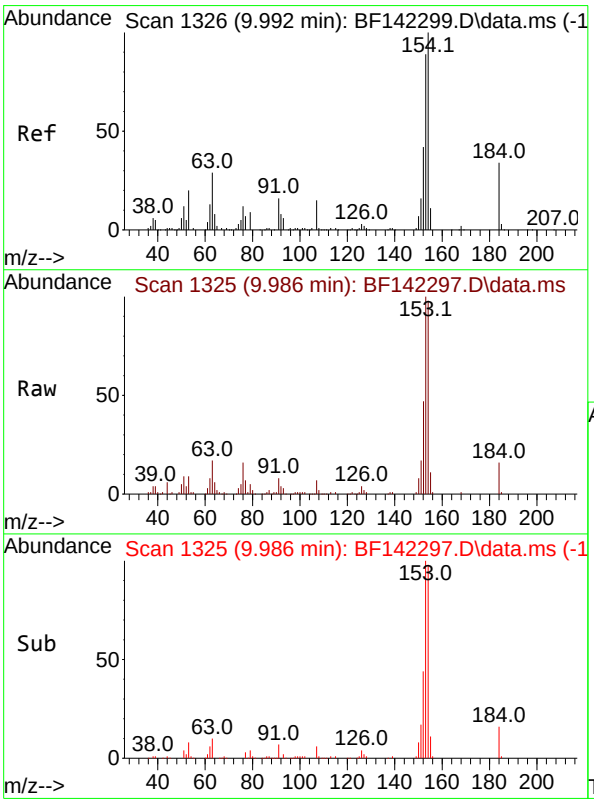
#53
3-Nitroaniline
Concen: 8.443 ng
RT: 9.886 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:138 Resp: 53755

Ion	Ratio	Lower	Upper
138	100		
108	13.8	8.7	13.1#
92	112.4	89.5	134.3

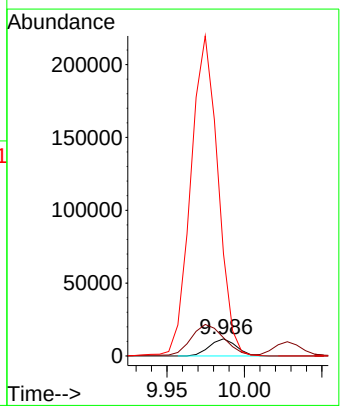


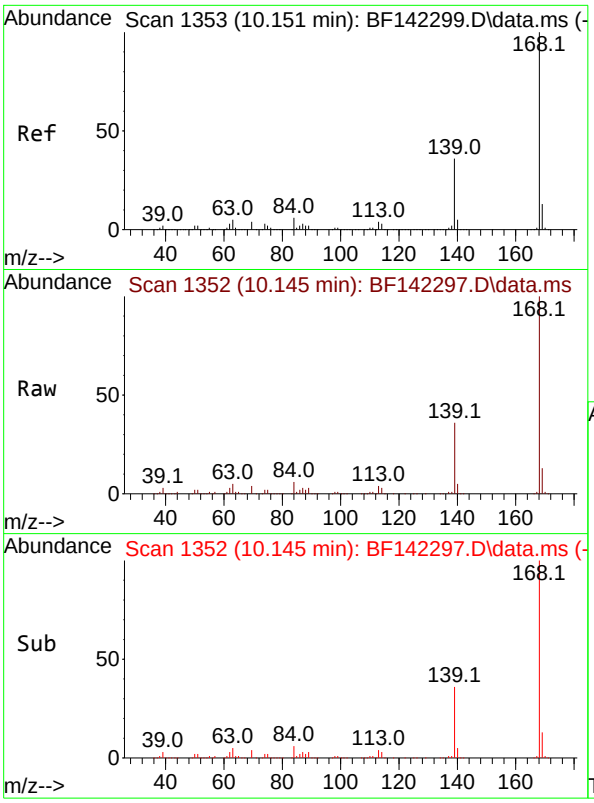


#54
2,4-Dinitrophenol
Concen: 12.133 ng
RT: 9.986 min Scan# 1325
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:184 Resp: 14043

Ion	Ratio	Lower	Upper
184	100		
63	106.4	70.6	105.8#
154	596.9	257.2	385.8#



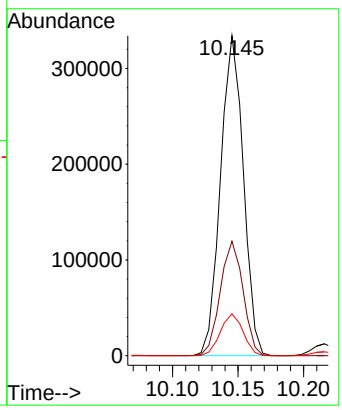


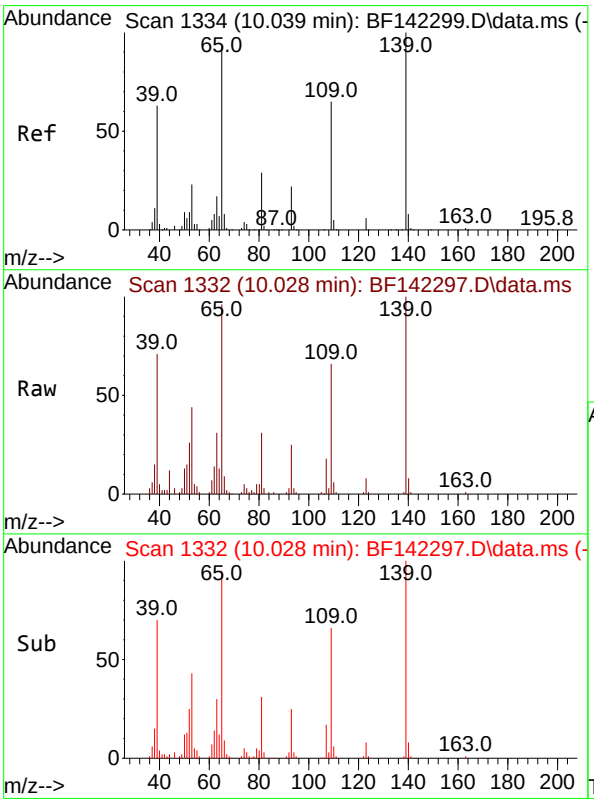
#55
Dibenzofuran
Concen: 10.573 ng
RT: 10.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:168 Resp: 404214

Ion	Ratio	Lower	Upper
168	100		
139	35.7	29.0	43.4
169	13.1	10.7	16.1

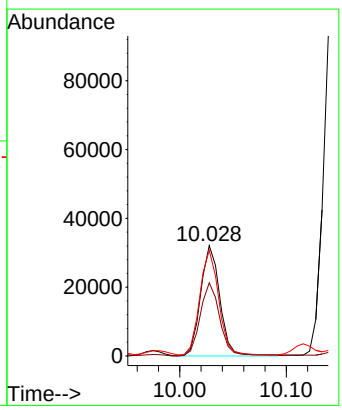


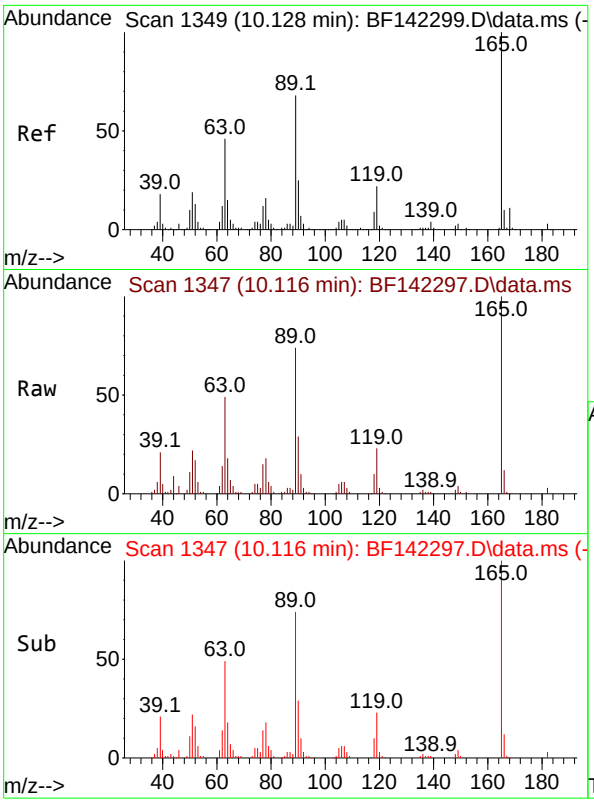


#56
4-Nitrophenol
Concen: 8.407 ng
RT: 10.028 min Scan# 1332
Delta R.T. -0.012 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:139 Resp: 40283

Ion	Ratio	Lower	Upper
139	100		
109	66.2	45.3	85.3
65	95.8	73.9	113.9



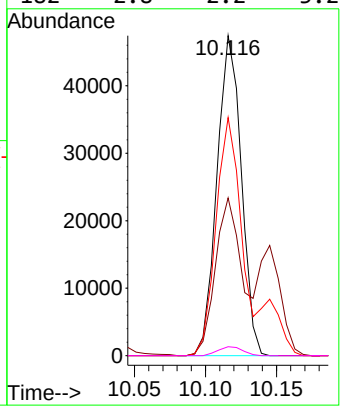


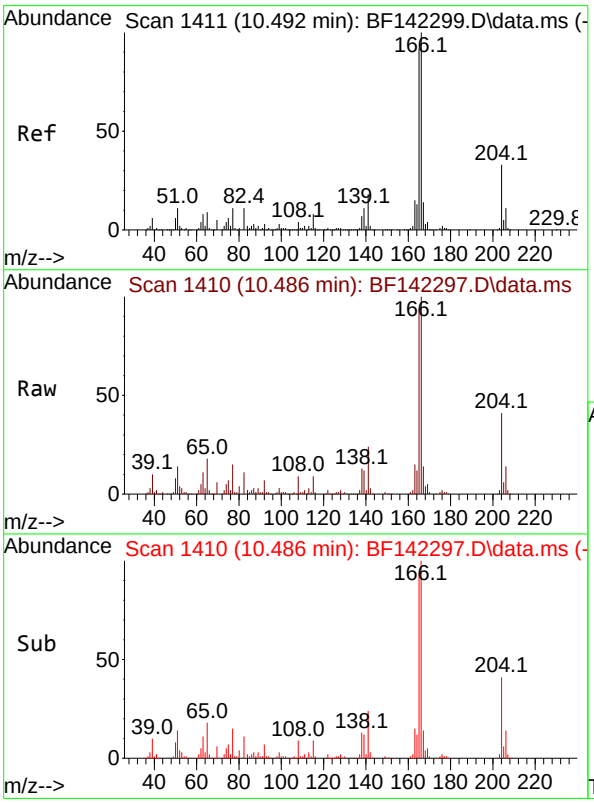
#57
2,4-Dinitrotoluene
Concen: 8.120 ng
RT: 10.116 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 56545

Ion	Ratio	Lower	Upper
165	100		
63	49.3	37.1	55.7
89	74.4	54.4	81.6
182	2.8	2.2	3.2

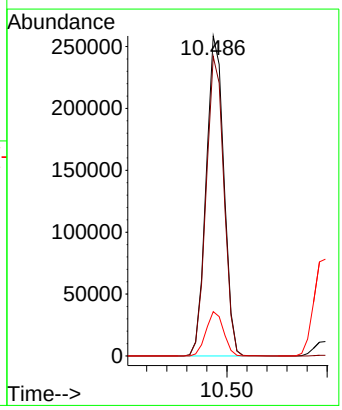


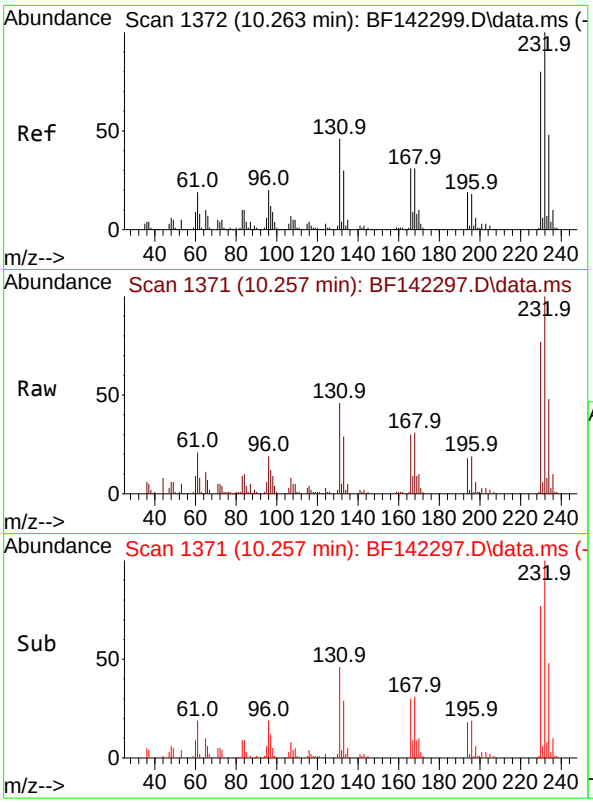


#58
Fluorene
Concen: 10.892 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:166 Resp: 317792

Ion	Ratio	Lower	Upper
166	100		
165	93.6	74.0	111.0
167	13.9	10.9	16.3



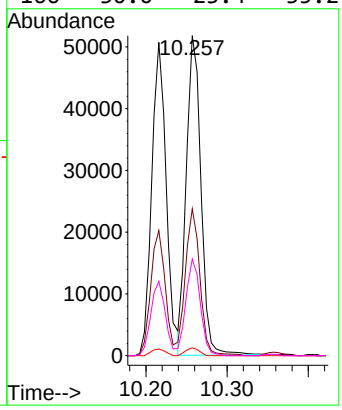


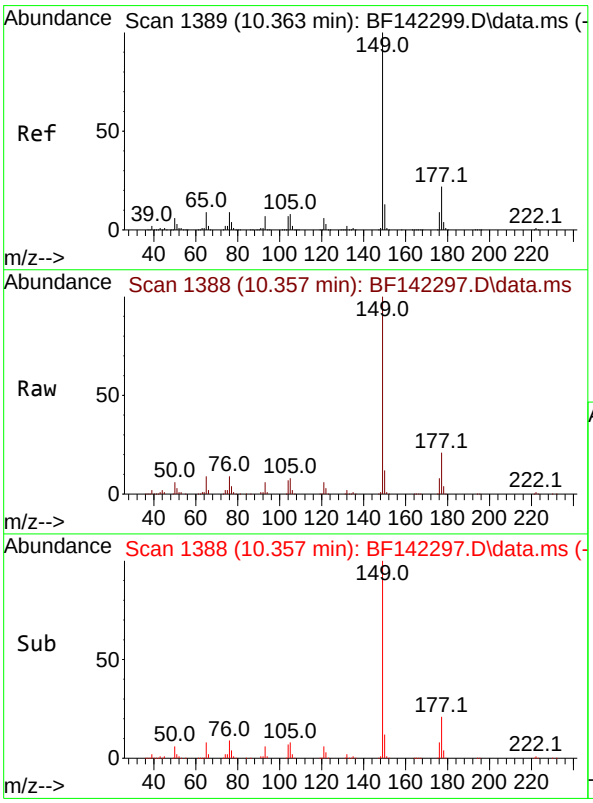
#59
2,3,4,6-Tetrachlorophenol
Concen: 9.316 ng
RT: 10.257 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:232 Resp: 65106

Ion	Ratio	Lower	Upper
232	100		
131	46.1	36.0	54.0
130	2.2	1.8	2.6
166	30.0	23.4	35.2

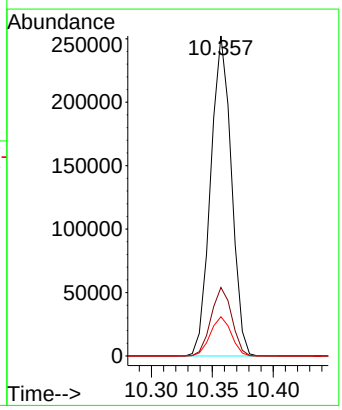


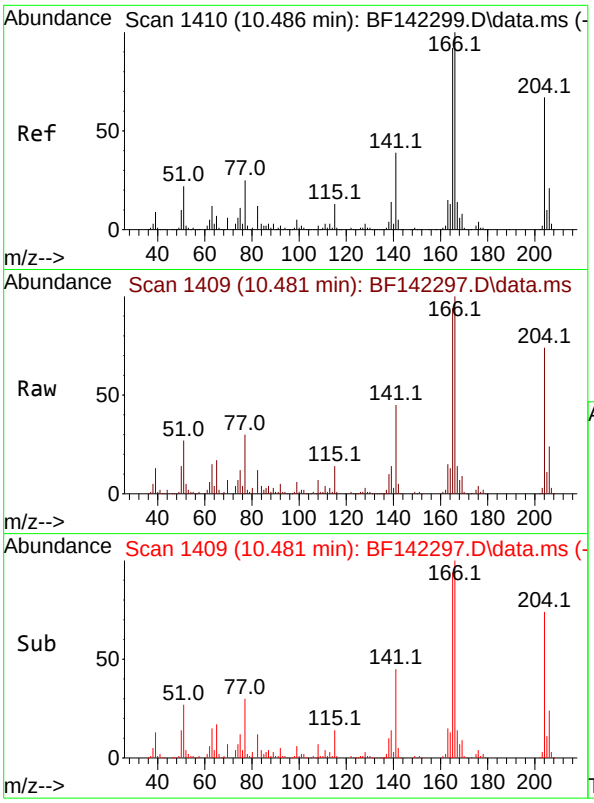


#60
Diethylphthalate
Concen: 10.329 ng
RT: 10.357 min Scan# 1388
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:149 Resp: 299154

Ion	Ratio	Lower	Upper
149	100		
177	21.4	17.6	26.4
150	12.3	10.1	15.1



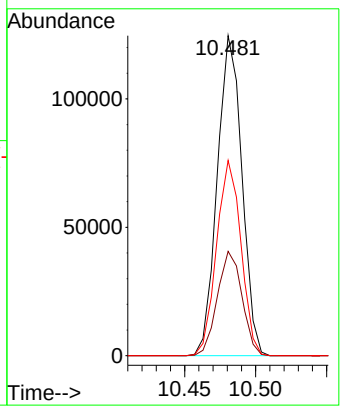


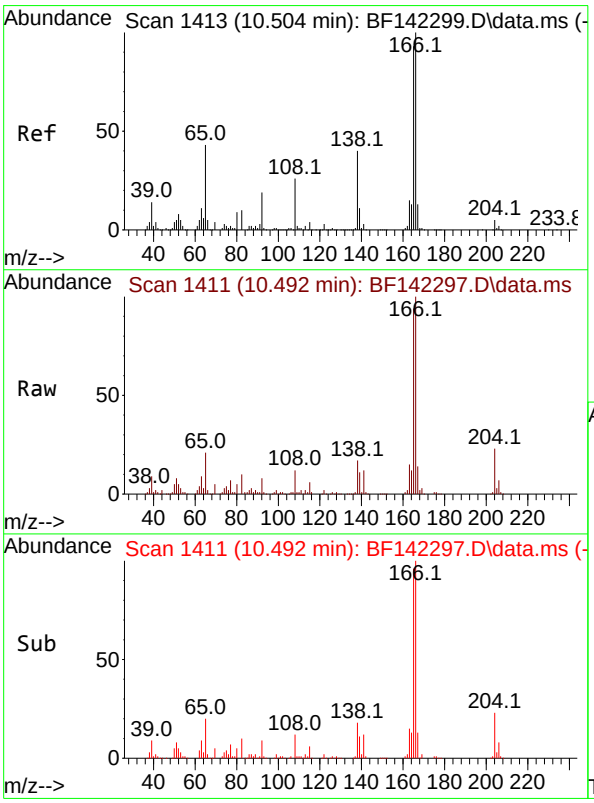
#61
4-Chlorophenyl-phenylether
Concen: 10.683 ng
RT: 10.481 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:204 Resp: 150371

Ion	Ratio	Lower	Upper
204	100		
206	32.6	25.5	38.3
141	61.0	46.4	69.6

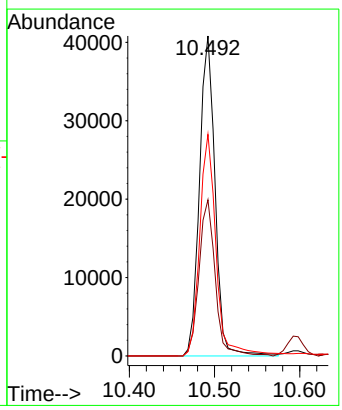


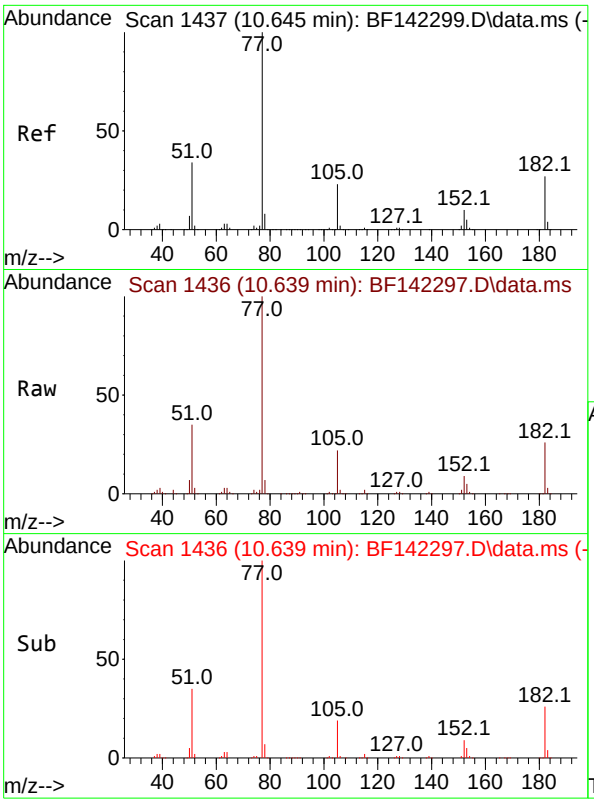


#62
4-Nitroaniline
Concen: 10.274 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.012 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:138 Resp: 51843

Ion	Ratio	Lower	Upper
138	100		
92	48.8	27.3	67.3
108	69.2	45.1	85.1



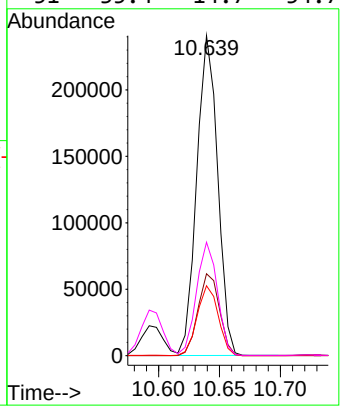


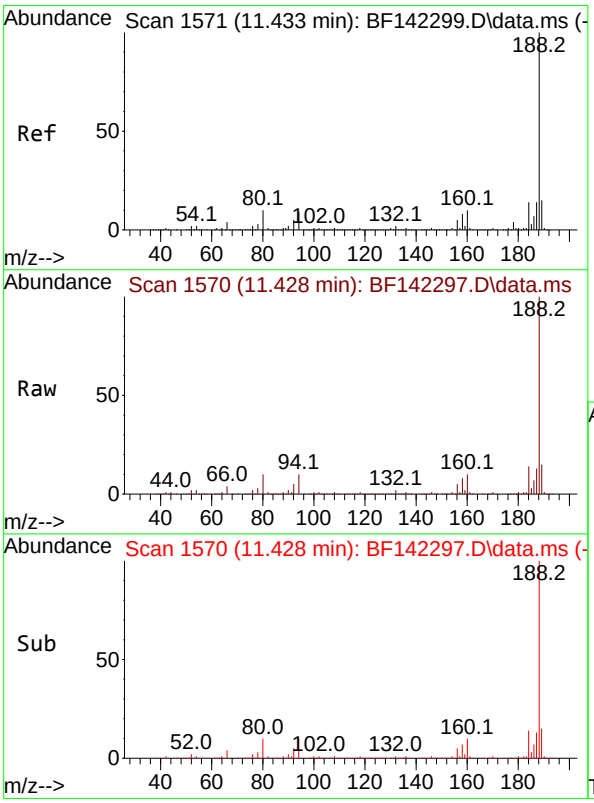
#63
Azobenzene
Concen: 10.372 ng
RT: 10.639 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 77 Resp: 287064

Ion	Ratio	Lower	Upper
77	100		
182	25.6	6.9	46.9
105	21.9	2.7	42.7
51	35.4	14.7	54.7

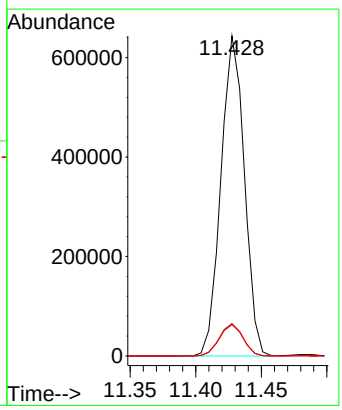


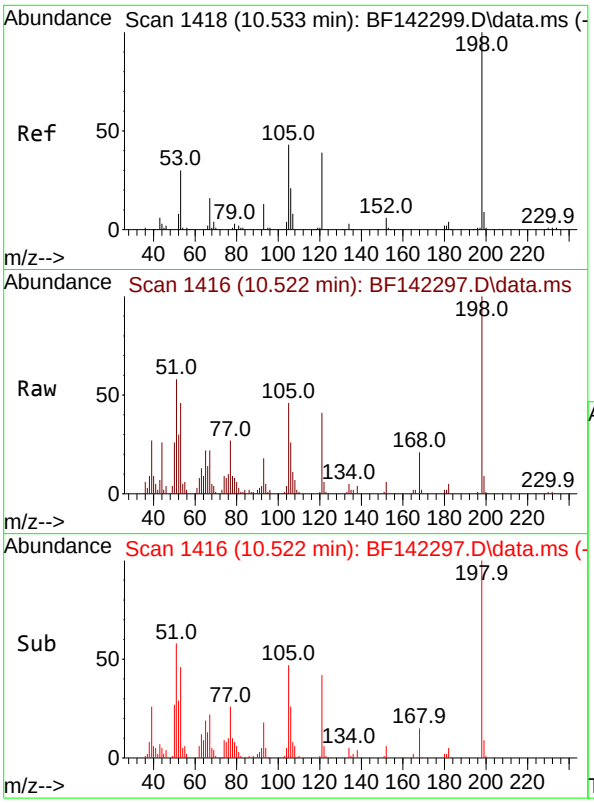


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:188 Resp: 799418

Ion	Ratio	Lower	Upper
188	100		
94	9.8	7.5	11.3
80	10.2	7.9	11.9



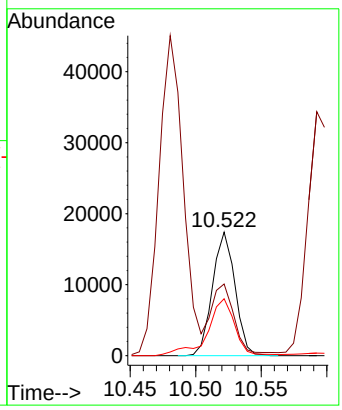


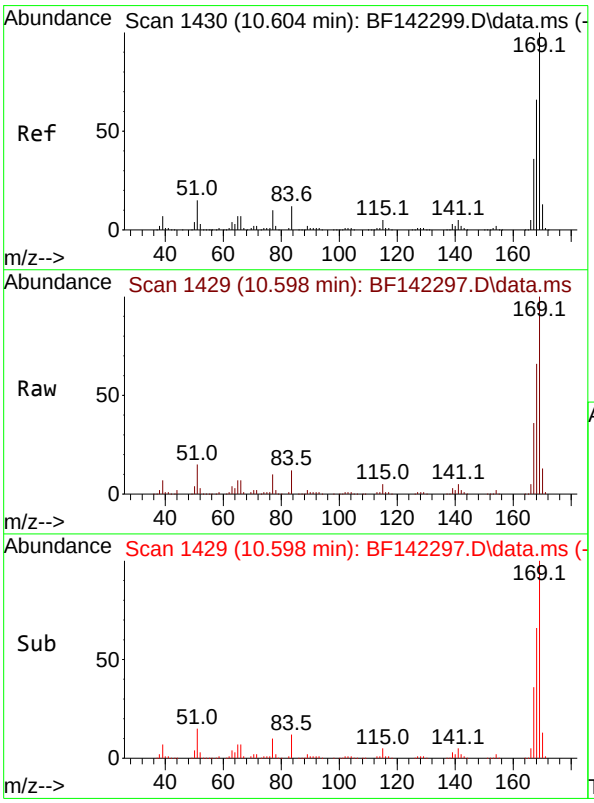
#65
4,6-Dinitro-2-methylphenol
Concen: 11.925 ng
RT: 10.522 min Scan# 14
Delta R.T. -0.011 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:198 Resp: 20774

Ion	Ratio	Lower	Upper
198	100		
51	58.1	32.9	72.9
105	46.1	23.7	63.7

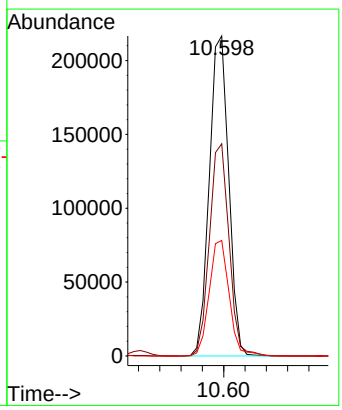


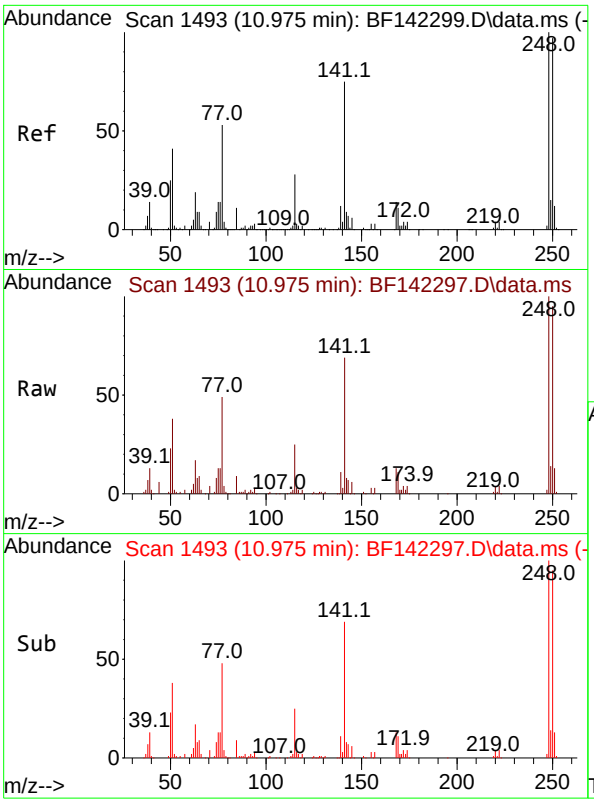


#66
n-Nitrosodiphenylamine
Concen: 10.268 ng
RT: 10.598 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:169 Resp: 273145

Ion	Ratio	Lower	Upper
169	100		
168	66.3	53.2	79.8
167	36.1	28.9	43.3



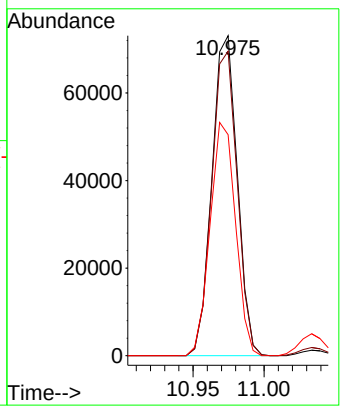


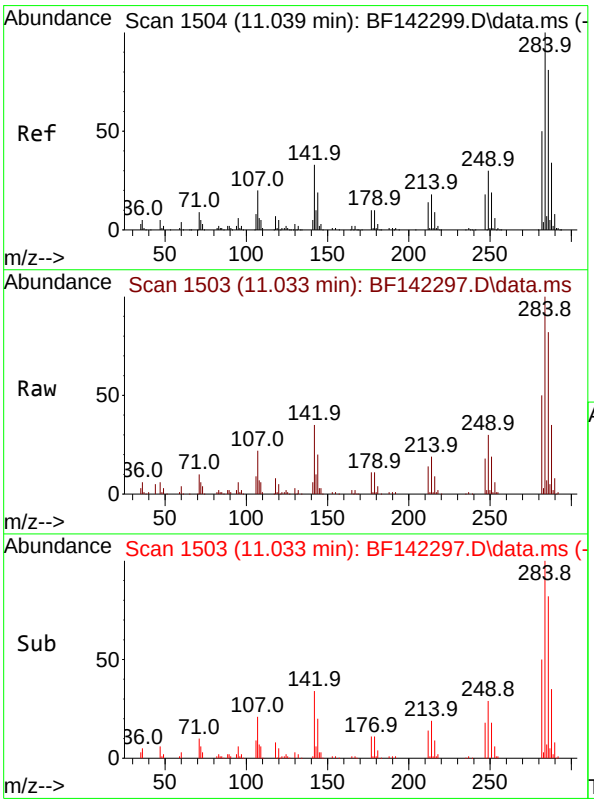
#67
4-Bromophenyl-phenylether
Concen: 10.008 ng
RT: 10.975 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:248 Resp: 90669

Ion	Ratio	Lower	Upper
248	100		
250	95.2	77.9	116.9
141	69.0	59.8	89.8

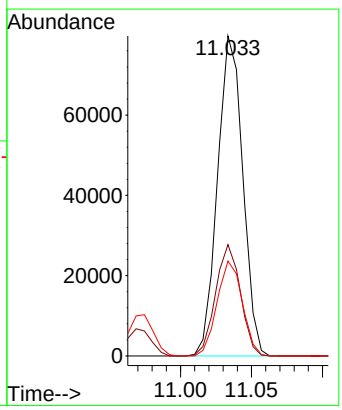


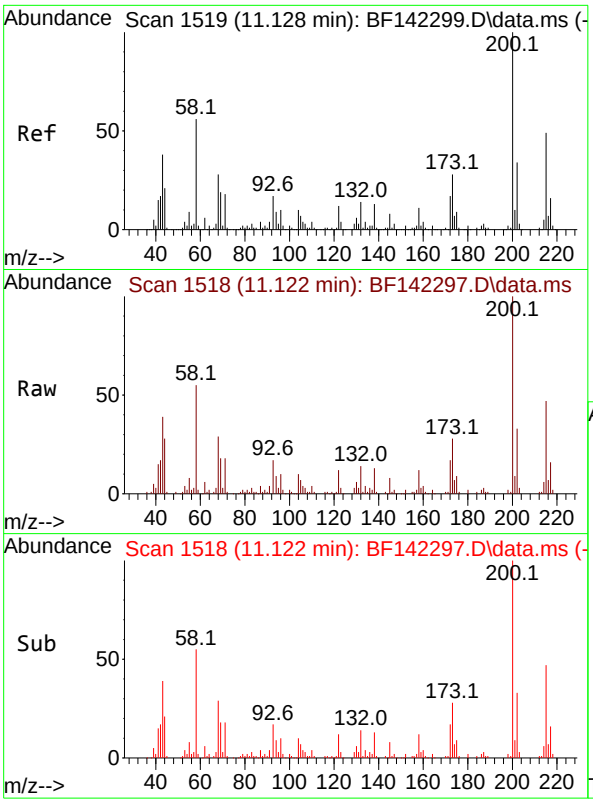


#68
Hexachlorobenzene
Concen: 9.876 ng
RT: 11.033 min Scan# 1503
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:284 Resp: 98422

Ion	Ratio	Lower	Upper
284	100		
142	34.8	26.6	39.8
249	29.7	24.1	36.1



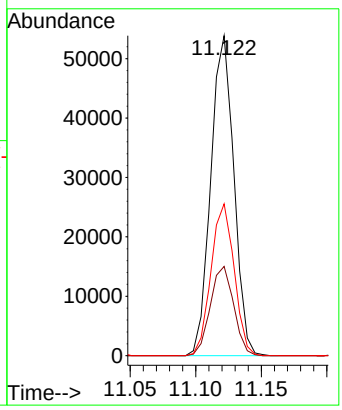


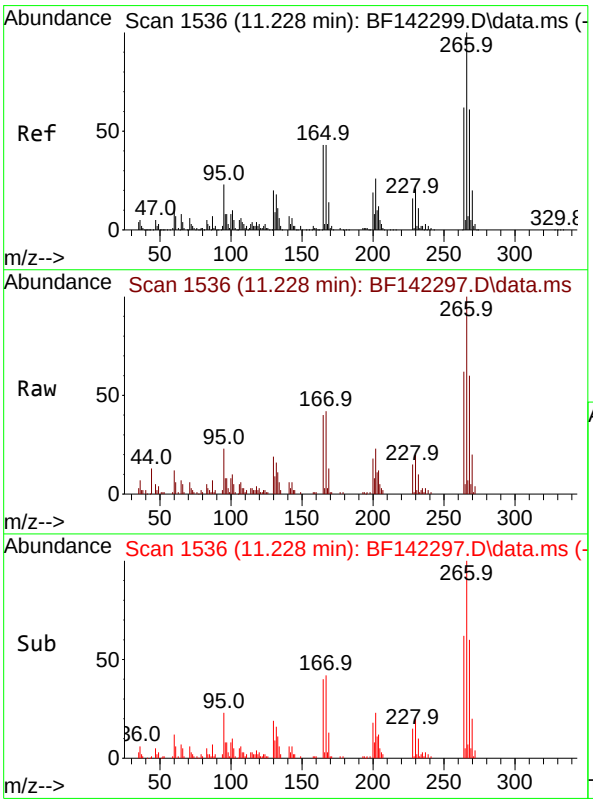
#69
Atrazine
Concen: 9.400 ng
RT: 11.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:200 Resp: 65913

Ion	Ratio	Lower	Upper
200	100		
173	27.9	8.1	48.1
215	47.5	28.8	68.8

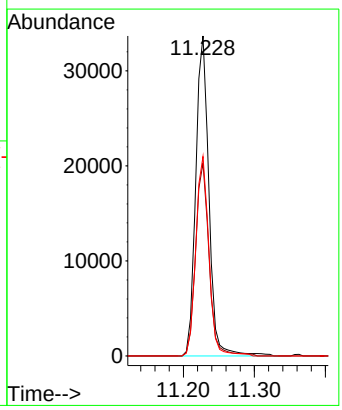


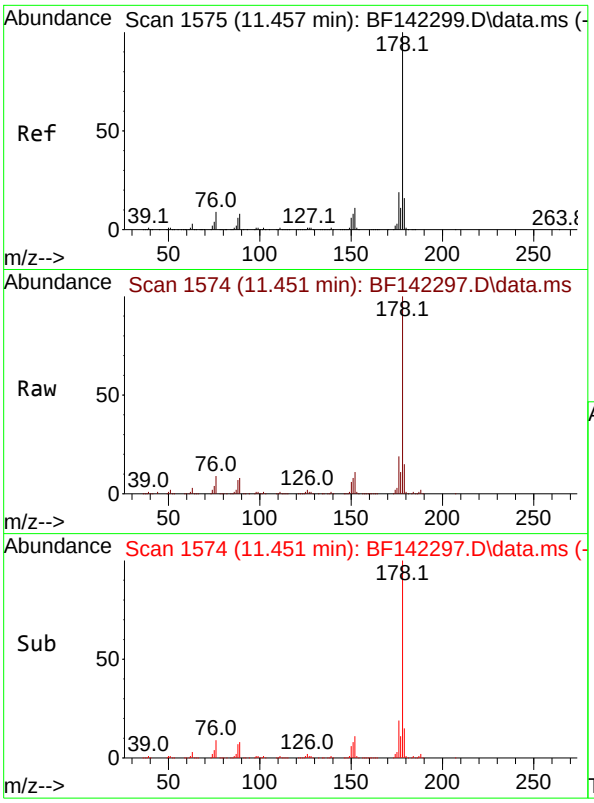


#70
Pentachlorophenol
Concen: 8.302 ng
RT: 11.228 min Scan# 1536
Delta R.T. -0.000 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:266 Resp: 43524

Ion	Ratio	Lower	Upper
266	100		
268	60.2	48.7	73.1
264	62.3	49.8	74.6



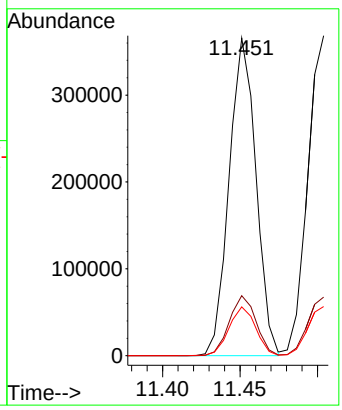


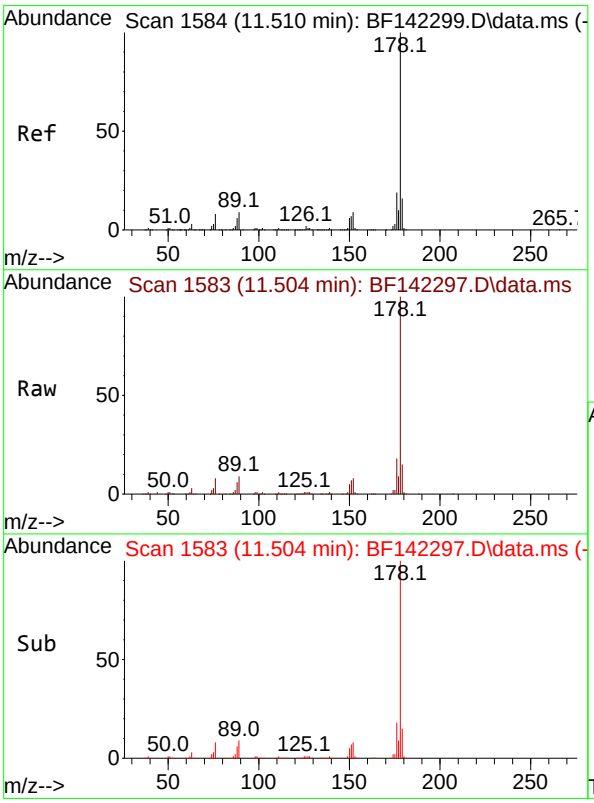
#71
Phenanthrene
Concen: 10.512 ng
RT: 11.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:178 Resp: 440505

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.5	23.3
179	15.4	12.6	18.8

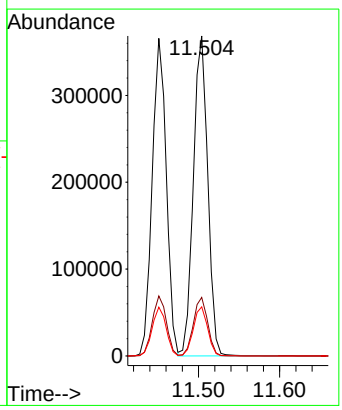


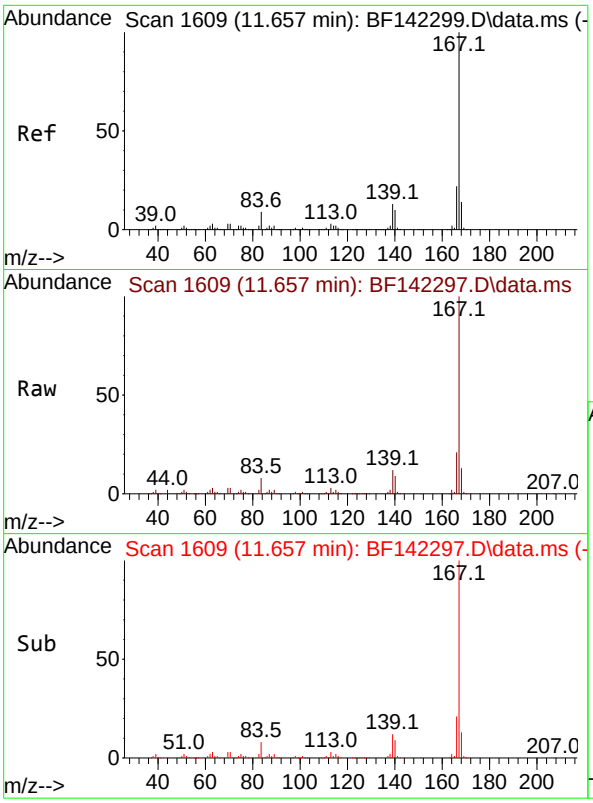


#72
Anthracene
Concen: 10.545 ng
RT: 11.504 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:178 Resp: 454013

Ion	Ratio	Lower	Upper
178	100		
176	18.3	15.3	22.9
179	15.3	12.6	18.8



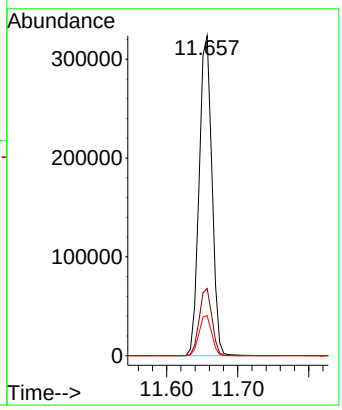


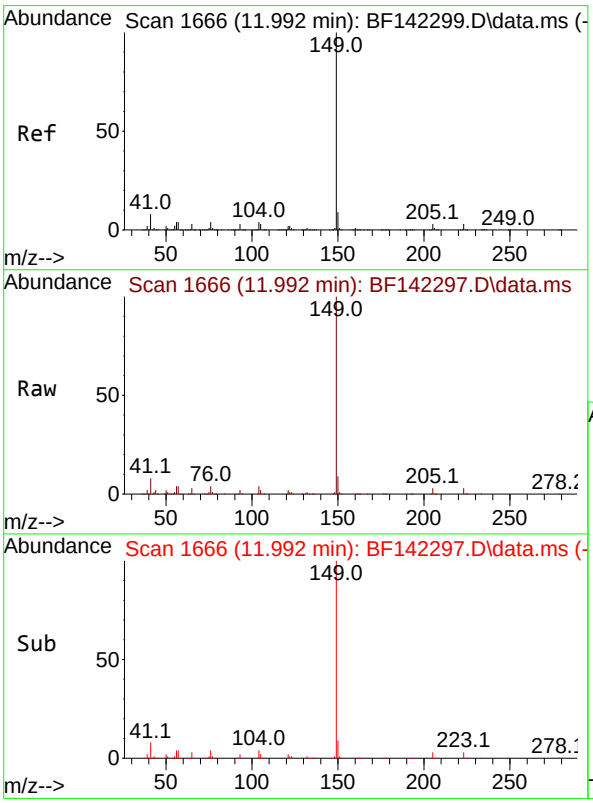
#73
Carbazole
Concen: 10.511 ng
RT: 11.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:167 Resp: 406007

Ion	Ratio	Lower	Upper
167	100		
166	21.0	17.2	25.8
139	12.5	10.3	15.5

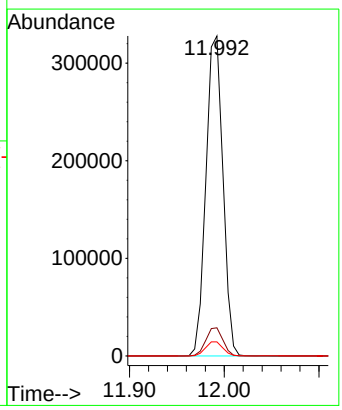


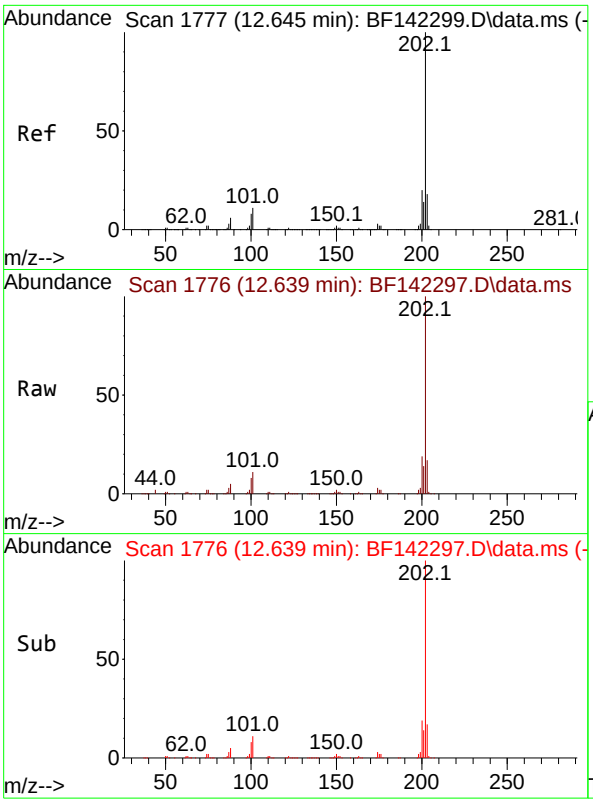


#74
Di-n-butylphthalate
Concen: 10.060 ng
RT: 11.992 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:149 Resp: 408614

Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.5	11.3
104	4.4	3.6	5.4



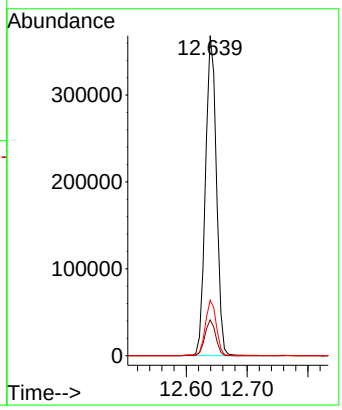


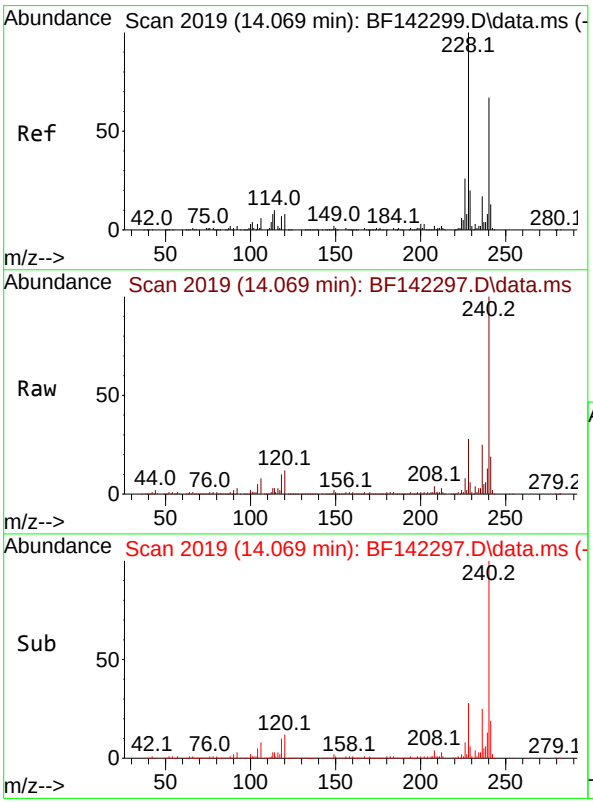
#75
Fluoranthene
Concen: 11.011 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:202 Resp: 461212

Ion	Ratio	Lower	Upper
202	100		
101	11.2	0.0	31.4
203	17.4	0.0	37.9

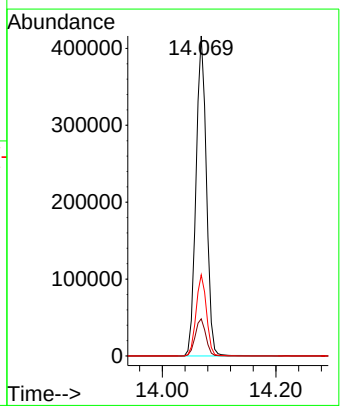


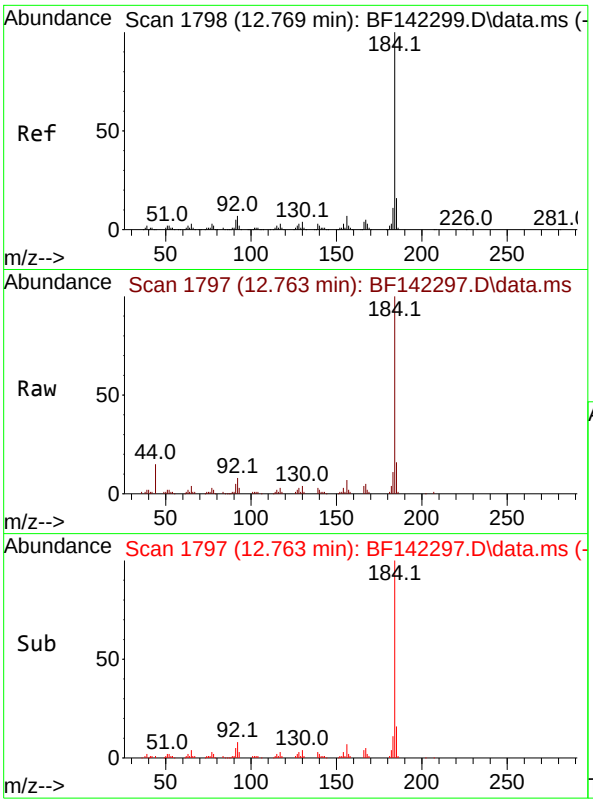


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:240 Resp: 531922

Ion	Ratio	Lower	Upper
240	100		
120	11.6	9.7	14.5
236	25.3	20.0	30.0



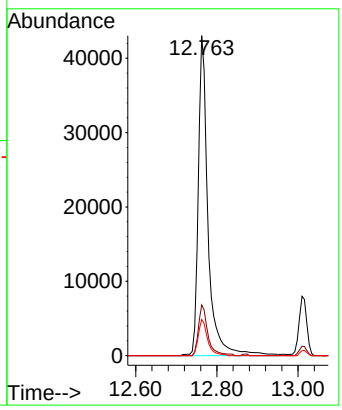


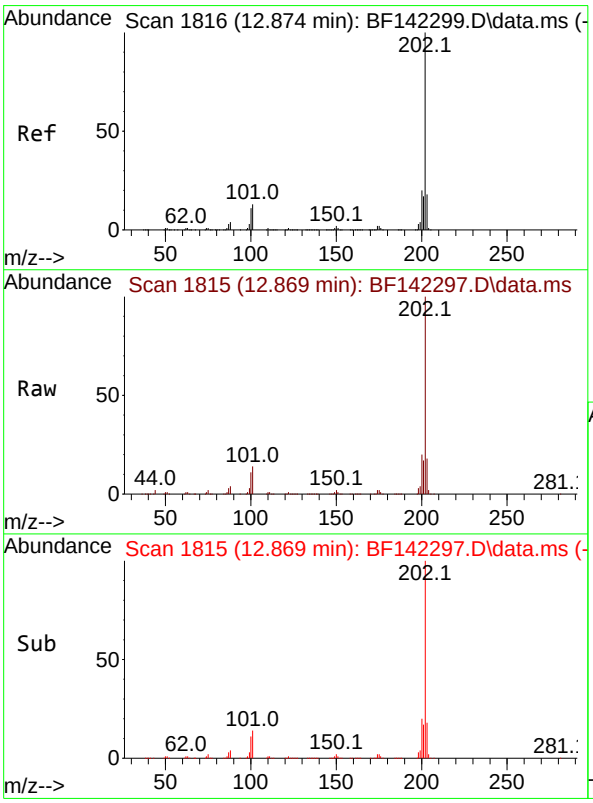
#77
Benzidine
Concen: 7.482 ng
RT: 12.763 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:184 Resp: 72321

Ion	Ratio	Lower	Upper
184	100		
185	15.8	12.6	18.8
183	11.3	8.6	12.8

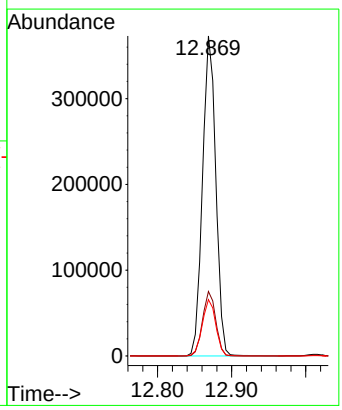


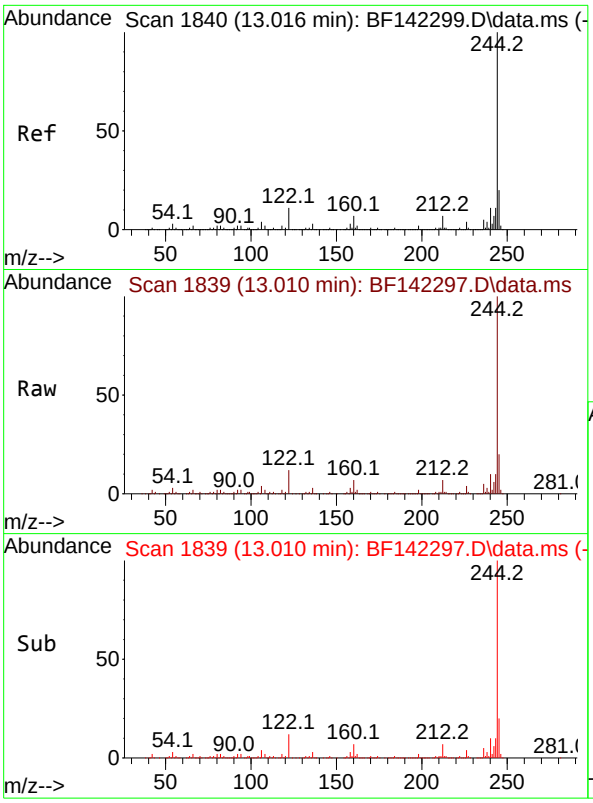


#78
Pyrene
Concen: 9.819 ng
RT: 12.869 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:202 Resp: 464898

Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.2	24.4
203	17.6	14.3	21.5



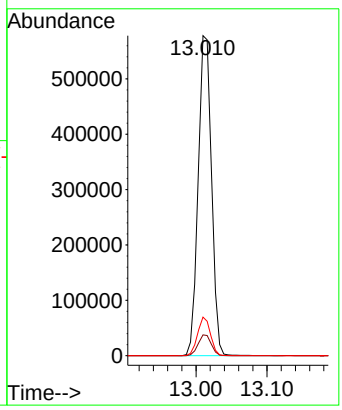


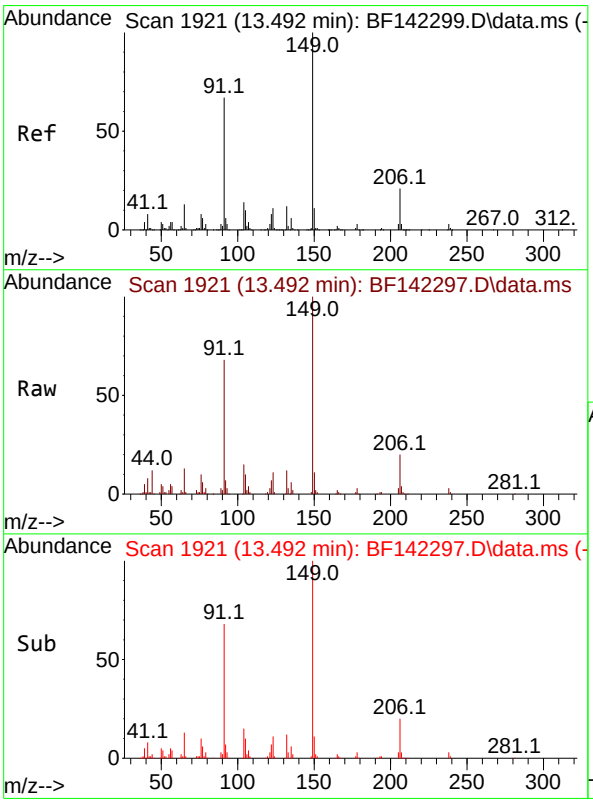
#79
Terphenyl-d14
Concen: 21.070 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:244 Resp: 757212

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.2
122	12.1	9.0	13.4

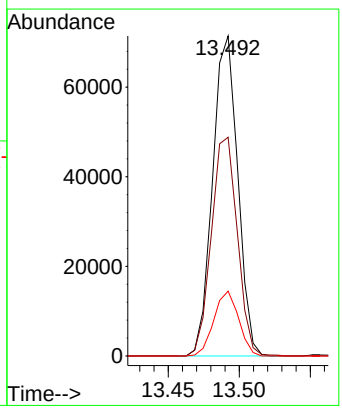


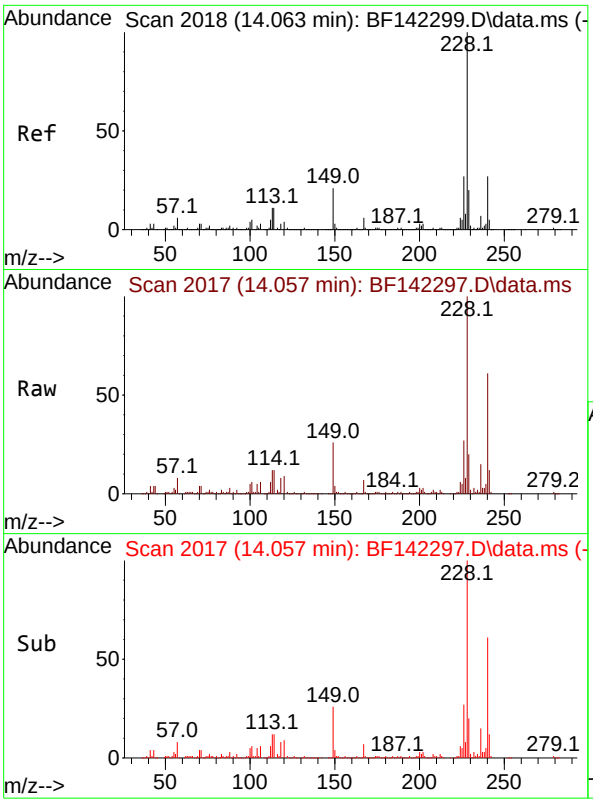


#80
Butylbenzylphthalate
Concen: 9.527 ng
RT: 13.492 min Scan# 1921
Delta R.T. 0.000 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:149 Resp: 87770

Ion	Ratio	Lower	Upper
149	100		
91	68.4	53.8	80.6
206	20.3	16.6	24.8



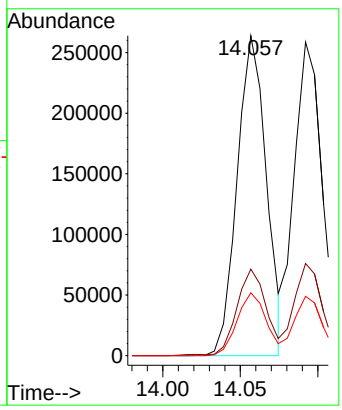


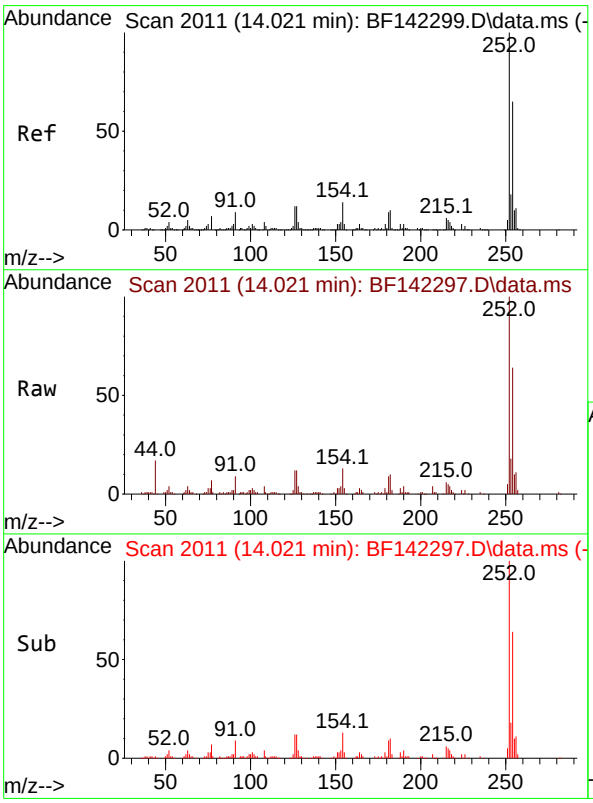
#81
Benzo(a)anthracene
Concen: 10.033 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 345605

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.5	32.3
229	19.6	15.9	23.9

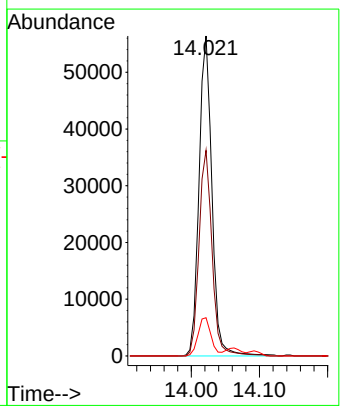


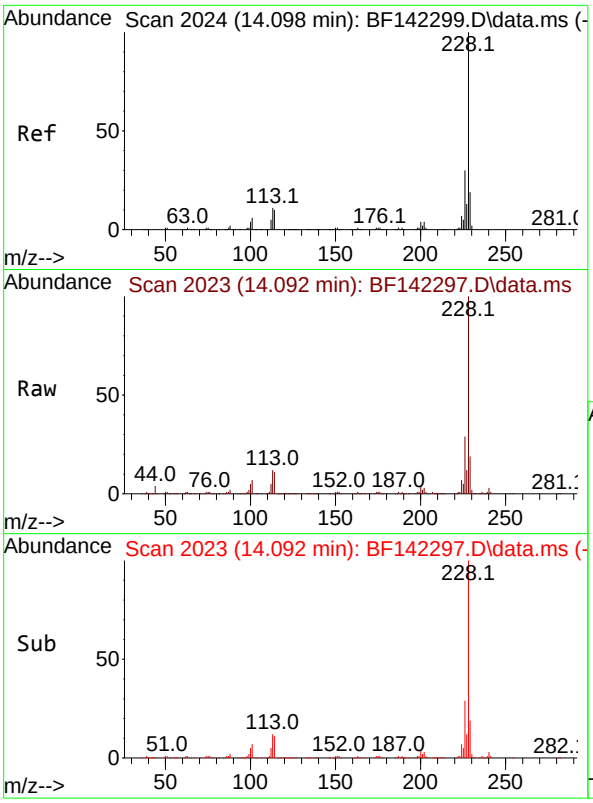


#82
3,3'-Dichlorobenzidine
Concen: 9.267 ng
RT: 14.021 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:252 Resp: 74238

Ion	Ratio	Lower	Upper
252	100		
254	64.2	52.0	78.0
126	12.0	9.7	14.5



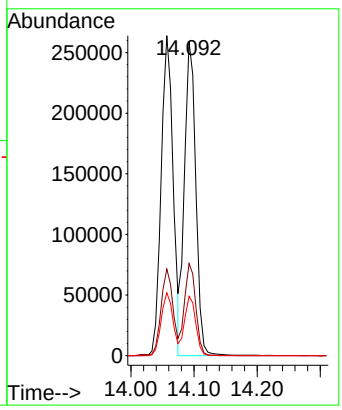


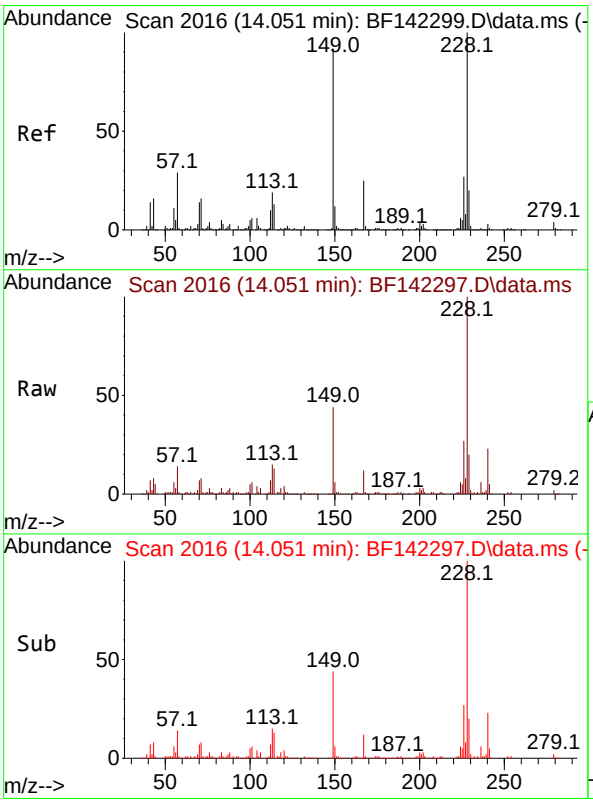
#83
Chrysene
Concen: 10.175 ng
RT: 14.092 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 326300

Ion	Ratio	Lower	Upper
228	100		
226	29.4	23.9	35.9
229	18.9	15.4	23.2

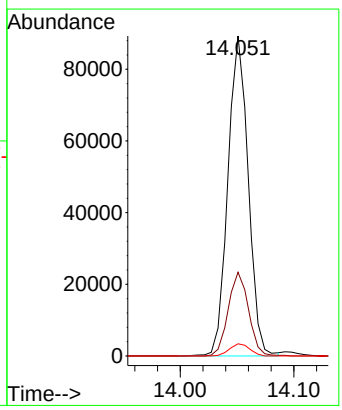


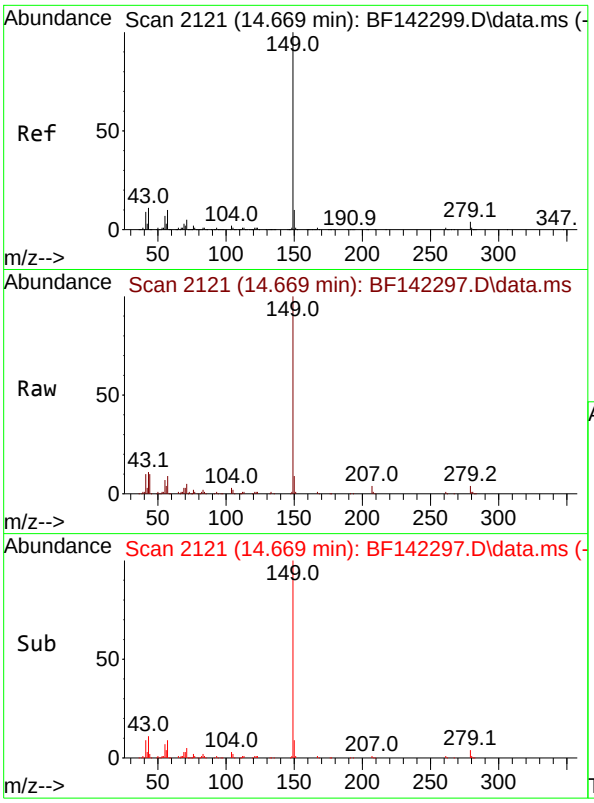


#84
Bis(2-ethylhexyl)phthalate
Concen: 9.863 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.000 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:149 Resp: 111032

Ion	Ratio	Lower	Upper
149	100		
167	26.2	22.0	33.0
279	3.8	3.0	4.6



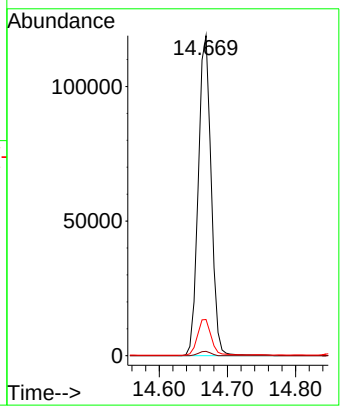


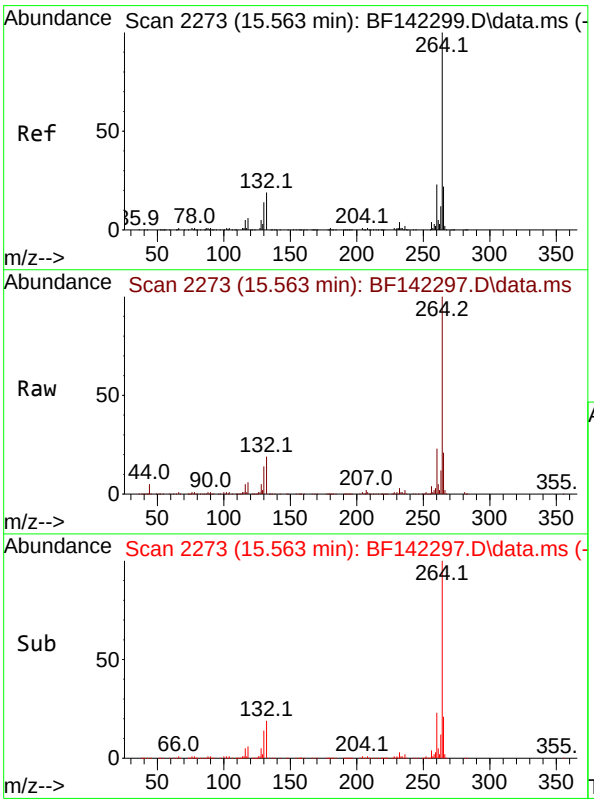
#85
Di-n-octyl phthalate
Concen: 11.860 ng
RT: 14.669 min Scan# 21
Delta R.T. -0.001 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:149 Resp: 155899

Ion	Ratio	Lower	Upper
149	100		
167	1.3	1.1	1.7
43	11.9	9.2	13.8

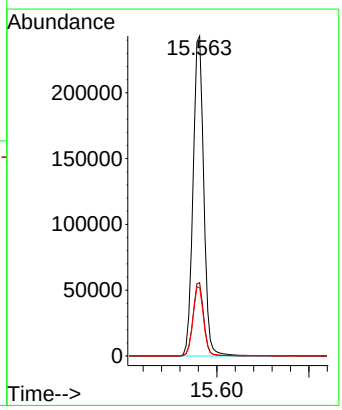


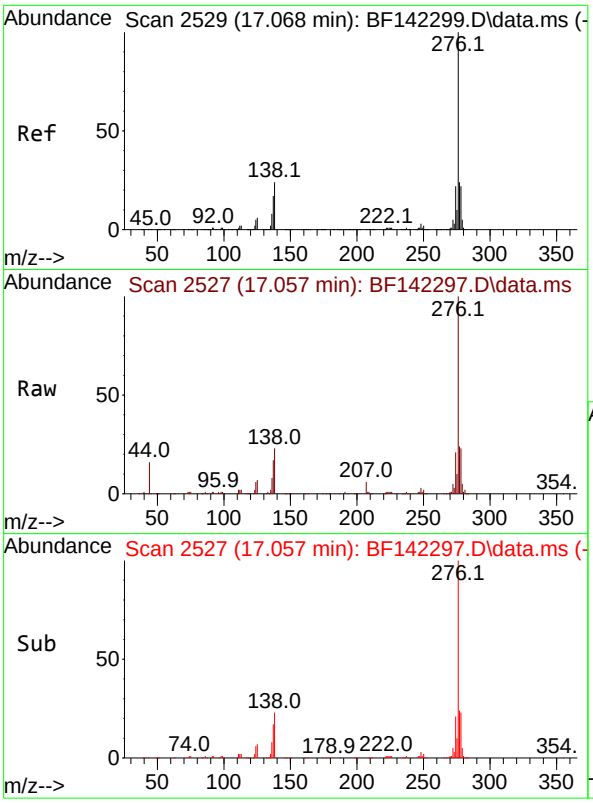


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2273
Delta R.T. -0.000 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:264 Resp: 390300

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.6	27.8
265	21.5	17.5	26.3



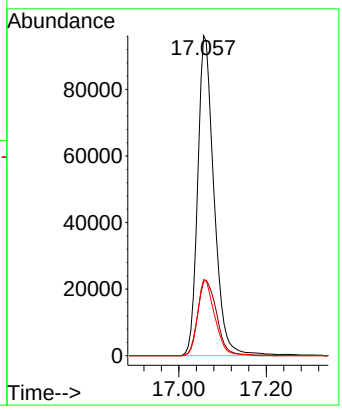


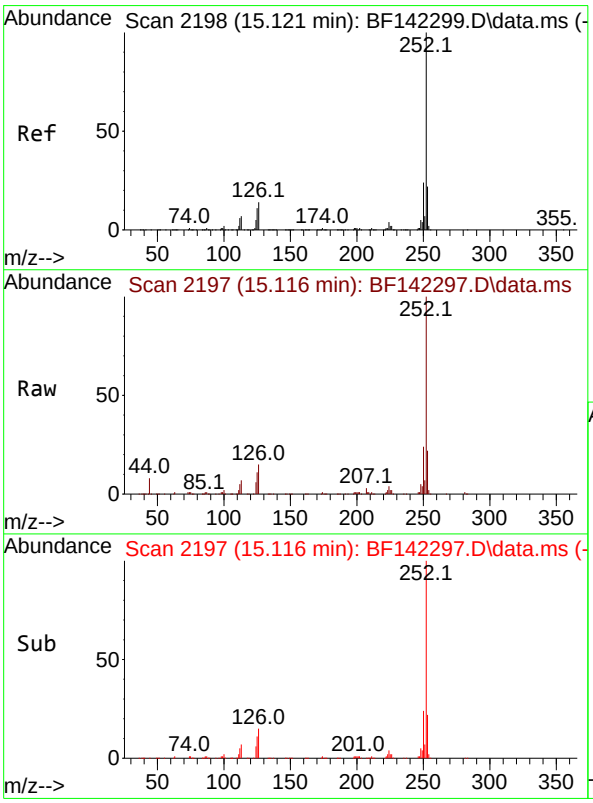
#87
Indeno(1,2,3-cd)pyrene
Concen: 9.211 ng
RT: 17.057 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:276 Resp: 250070

Ion	Ratio	Lower	Upper
276	100		
138	27.4	22.0	33.0
277	24.9	20.1	30.1

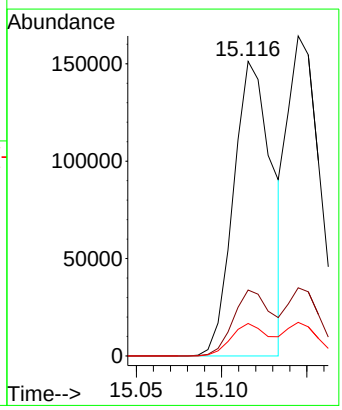


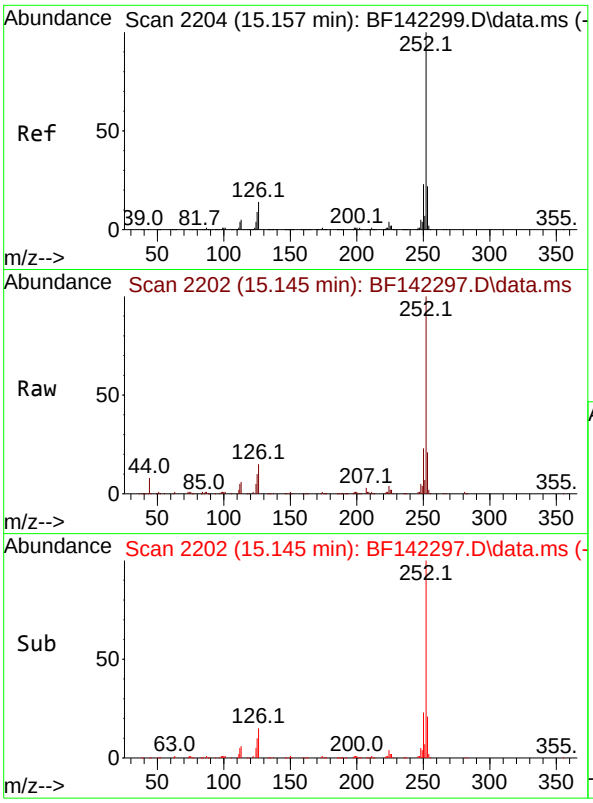


#88
Benzo(b)fluoranthene
Concen: 10.040 ng
RT: 15.116 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:252 Resp: 237339

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.7	26.5
125	11.0	8.7	13.1



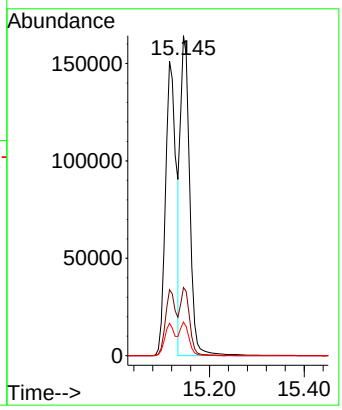


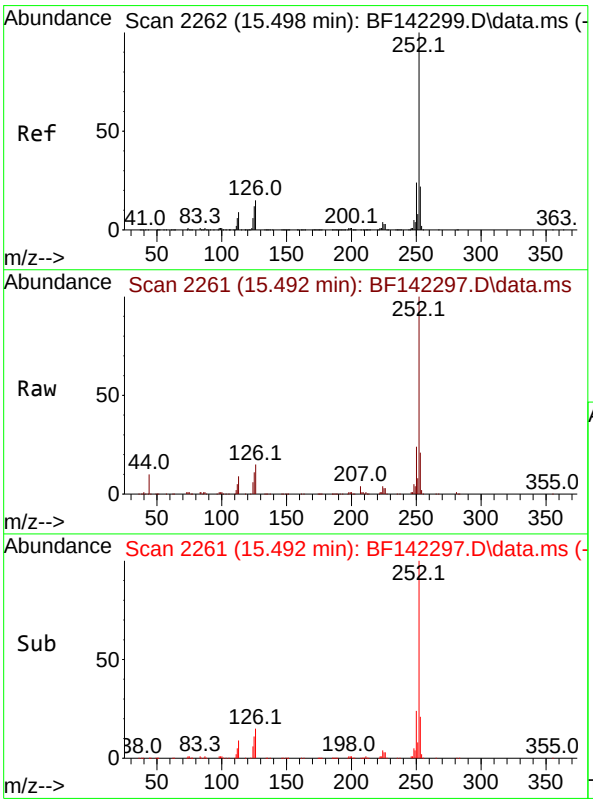
#89
Benzo(k)fluoranthene
Concen: 10.304 ng
RT: 15.145 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:252 Resp: 222898

Ion	Ratio	Lower	Upper
252	100		
253	21.3	17.6	26.4
125	10.5	8.1	12.1

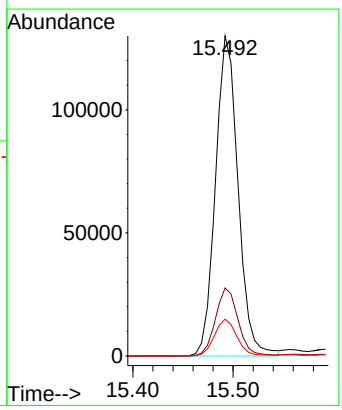


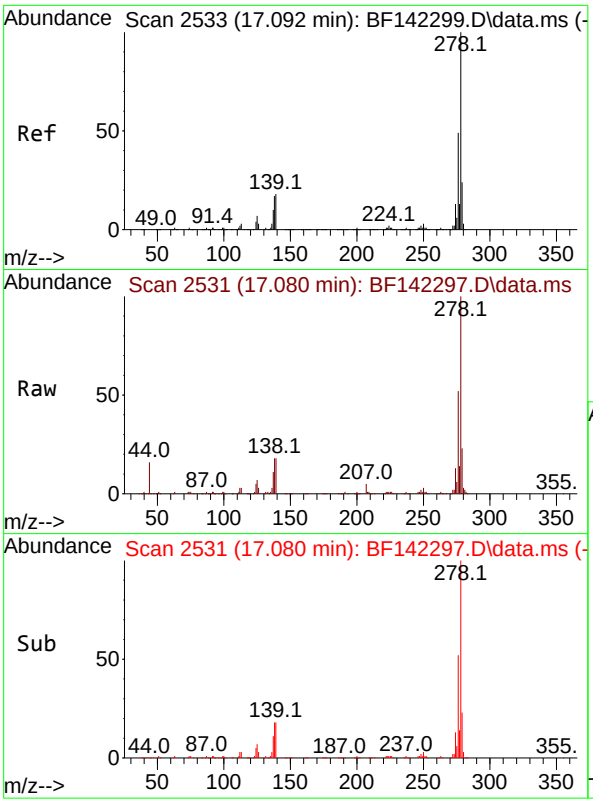


#90
Benzo(a)pyrene
Concen: 9.596 ng
RT: 15.492 min Scan# 2261
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:252 Resp: 203272

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.8	26.6
125	11.5	9.4	14.0



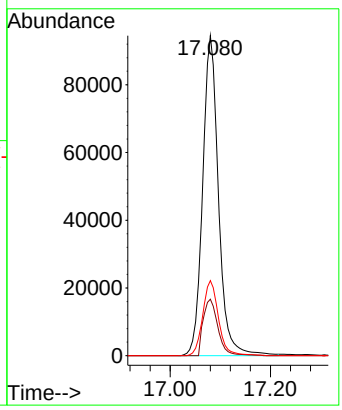


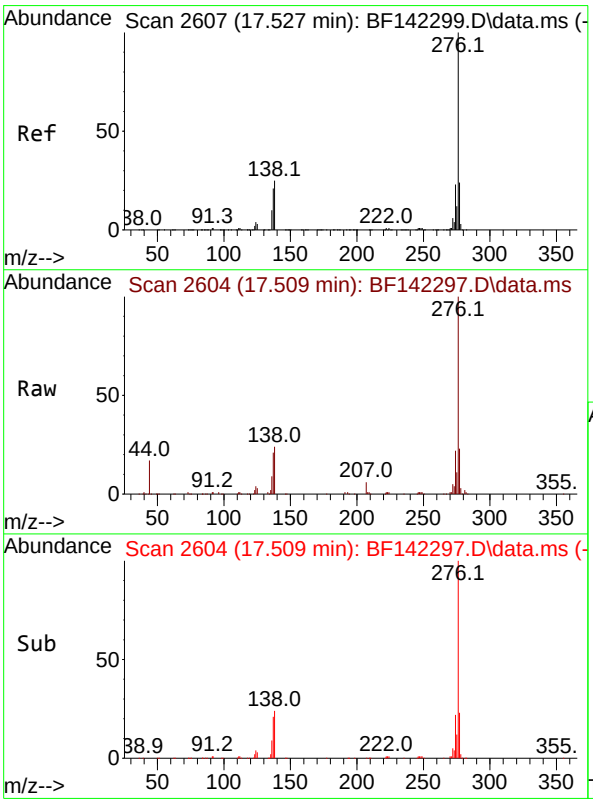
#91
Dibenzo(a,h)anthracene
Concen: 9.272 ng
RT: 17.080 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:278 Resp: 207967

Ion	Ratio	Lower	Upper
278	100		
139	17.6	14.5	21.7
279	23.4	18.9	28.3

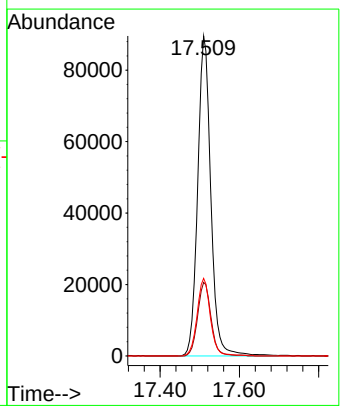




#92
Benzo(g,h,i)perylene
Concen: 9.256 ng
RT: 17.509 min Scan# 2604
Delta R.T. -0.018 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Tgt Ion:276 Resp: 206052

Ion	Ratio	Lower	Upper
276	100		
277	23.0	19.0	28.6
138	24.3	19.8	29.6



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142298.D
Acq On : 05 May 2025 15:21
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: May 05 17:58:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 17:44:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	216286	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	842039	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	449427	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	788283	20.000	ng	0.00
76) Chrysene-d12	14.069	240	473278	20.000	ng	0.00
86) Perylene-d12	15.563	264	392077	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	524001	41.358	ng	0.00
7) Phenol-d6	6.516	99	644227	41.341	ng	0.00
23) Nitrobenzene-d5	7.463	82	565303	40.944	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	178075	41.039	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	1377117	43.691	ng	0.00
79) Terphenyl-d14	13.016	244	1382069	43.222	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.687	88	115676	20.274	ng	99
3) Pyridine	3.452	79	261665	19.504	ng	99
4) n-Nitrosodimethylamine	3.393	42	157578	20.240	ng	96
6) Aniline	6.563	93	339232	22.194	ng	100
8) 2-Chlorophenol	6.687	128	273145	20.174	ng	99
9) Benzaldehyde	6.451	77	195344	21.418	ng	98
10) Phenol	6.534	94	342565	20.739	ng	99
11) bis(2-Chloroethyl)ether	6.634	93	326537	20.046	ng	99
12) 1,3-Dichlorobenzene	6.845	146	317103	20.472	ng	99
13) 1,4-Dichlorobenzene	6.922	146	321447	20.669	ng	99
14) 1,2-Dichlorobenzene	7.075	146	306024	20.500	ng	99
15) Benzyl Alcohol	7.040	79	201768	19.996	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.181	45	502839	20.672	ng	100
17) 2-Methylphenol	7.145	107	221049	20.166	ng	98
18) Hexachloroethane	7.422	117	105630	20.413	ng	99
19) n-Nitroso-di-n-propyla...	7.310	70	198554	20.599	ng	99
20) 3+4-Methylphenols	7.298	107	285863	20.896	ng	96
22) Acetophenone	7.310	105	390755	20.871	ng	99
24) Nitrobenzene	7.481	77	266464	20.474	ng	99
25) Isophorone	7.722	82	530519	20.291	ng	100
26) 2-Nitrophenol	7.798	139	101497	18.889	ng	97
27) 2,4-Dimethylphenol	7.828	122	270038	20.543	ng	100
28) bis(2-Chloroethoxy)met...	7.934	93	351686	20.919	ng	99
29) 2,4-Dichlorophenol	8.040	162	233840	20.924	ng	99
30) 1,2,4-Trichlorobenzene	8.128	180	260029	20.674	ng	99
31) Naphthalene	8.210	128	865551	21.209	ng	99
32) Benzoic acid	7.910	122	90029	18.533	ng	99
33) 4-Chloroaniline	8.257	127	153176	9.215	ng	99
34) Hexachlorobutadiene	8.328	225	152292	20.449	ng	99
35) Caprolactam	8.604	113	65889	20.272	ng	99
36) 4-Chloro-3-methylphenol	8.722	107	238603	20.539	ng	99
37) 2-Methylnaphthalene	8.898	142	534930	21.095	ng	100
38) 1-Methylnaphthalene	8.998	142	559888	21.183	ng	99
40) 1,2,4,5-Tetrachloroben...	9.063	216	263169	20.966	ng	99
41) Hexachlorocyclopentadiene	9.051	237	156699	20.200	ng	99
43) 2,4,6-Trichlorophenol	9.169	196	161721	20.426	ng	99

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142298.D
Acq On : 05 May 2025 15:21
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: May 05 17:58:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 17:44:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	175468	20.829	ng		99
46) 1,1'-Biphenyl	9.363	154	735501	21.344	ng		98
47) 2-Chloronaphthalene	9.386	162	536203	20.924	ng		100
48) 2-Nitroaniline	9.481	65	131275	19.985	ng		99
49) Acenaphthylene	9.804	152	902949	21.063	ng		99
50) Dimethylphthalate	9.657	163	604026	20.930	ng		99
51) 2,6-Dinitrotoluene	9.722	165	108919	20.163	ng		98
52) Acenaphthene	9.975	154	539391	20.925	ng		99
53) 3-Nitroaniline	9.886	138	129439	20.431	ng		98
54) 2,4-Dinitrophenol	9.986	184	37439	19.641	ng	#	1
55) Dibenzofuran	10.145	168	809325	21.274	ng		100
56) 4-Nitrophenol	10.034	139	94419	19.802	ng		98
57) 2,4-Dinitrotoluene	10.122	165	136138	19.647	ng		98
58) Fluorene	10.492	166	617592	21.273	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.263	232	143706	20.664	ng		99
60) Diethylphthalate	10.357	149	609078	21.134	ng		99
61) 4-Chlorophenyl-phenyle...	10.481	204	295765	21.116	ng		97
62) 4-Nitroaniline	10.498	138	111613	22.228	ng		98
63) Azobenzene	10.639	77	577345	20.964	ng		98
65) 4,6-Dinitro-2-methylph...	10.528	198	53454	19.555	ng		98
66) n-Nitrosodiphenylamine	10.598	169	545886	20.811	ng		99
67) 4-Bromophenyl-phenylether	10.975	248	182781	20.459	ng		98
68) Hexachlorobenzene	11.039	284	199561	20.307	ng		97
69) Atrazine	11.122	200	138860	20.082	ng		99
70) Pentachlorophenol	11.228	266	102593	19.845	ng		97
71) Phenanthrene	11.451	178	871138	21.083	ng		99
72) Anthracene	11.504	178	893968	21.056	ng		99
73) Carbazole	11.657	167	807082	21.189	ng		99
74) Di-n-butylphthalate	11.992	149	852839	21.293	ng		99
75) Fluoranthene	12.639	202	888973	21.523	ng		99
77) Benzidine	12.763	184	181563	21.110	ng		99
78) Pyrene	12.869	202	900375	21.373	ng		99
80) Butylbenzylphthalate	13.492	149	207602	19.258	ng		99
81) Benzo(a)anthracene	14.057	228	623286	20.336	ng		99
82) 3,3'-Dichlorobenzidine	14.021	252	149520	20.978	ng		98
83) Chrysene	14.092	228	589961	20.676	ng		99
84) Bis(2-ethylhexyl)phtha...	14.051	149	263391	19.237	ng		98
85) Di-n-octyl phthalate	14.668	149	405073	19.581	ng		99
87) Indeno(1,2,3-cd)pyrene	17.062	276	556960	20.421	ng		99
88) Benzo(b)fluoranthene	15.116	252	481134	20.261	ng		100
89) Benzo(k)fluoranthene	15.151	252	456264	20.996	ng		100
90) Benzo(a)pyrene	15.492	252	432151	20.308	ng		100
91) Dibenzo(a,h)anthracene	17.086	278	468301	20.783	ng		99
92) Benzo(g,h,i)perylene	17.515	276	460655	20.598	ng		99

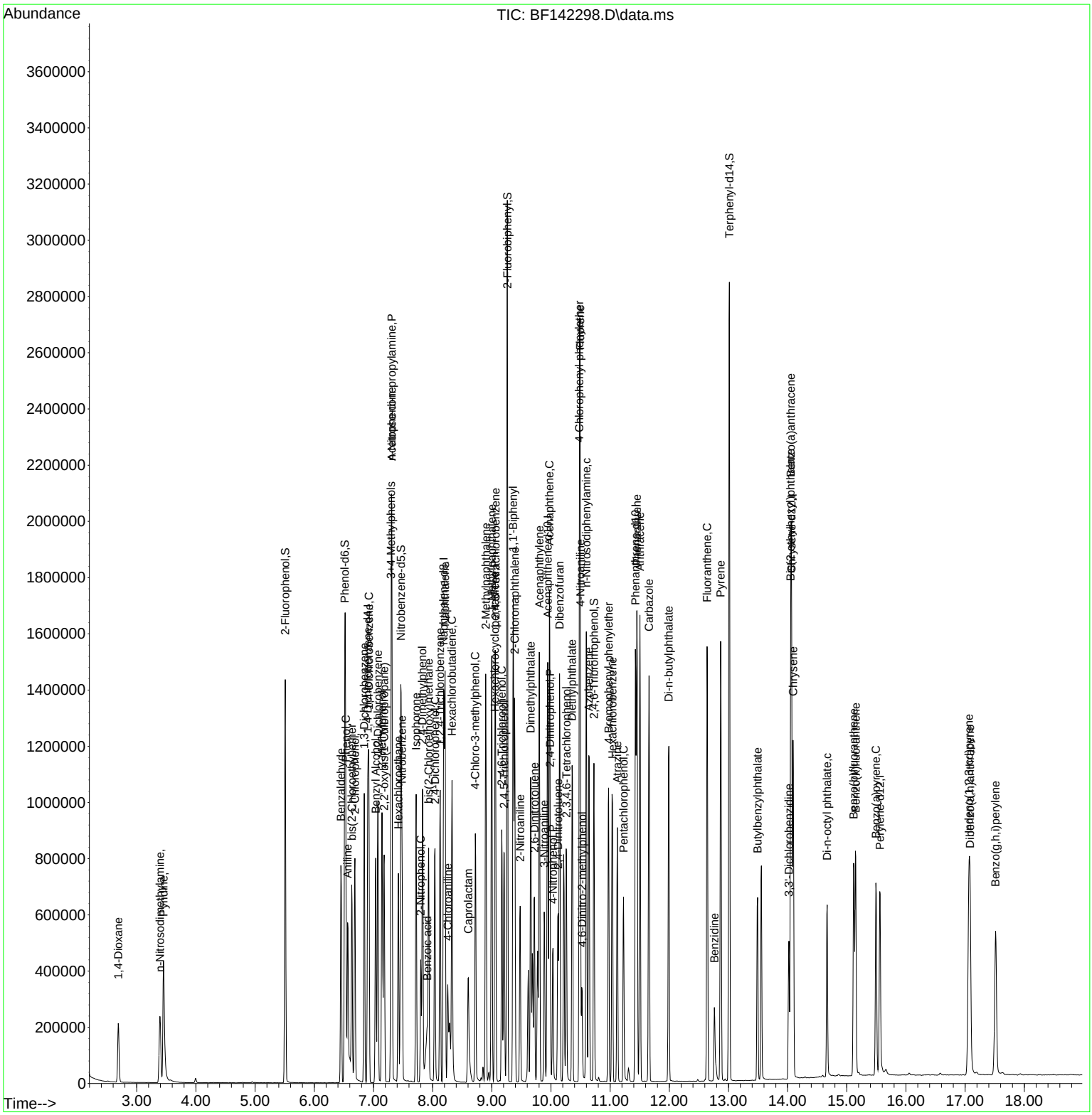
(#) = qualifier out of range (m) = manual integration (+) = signals summed

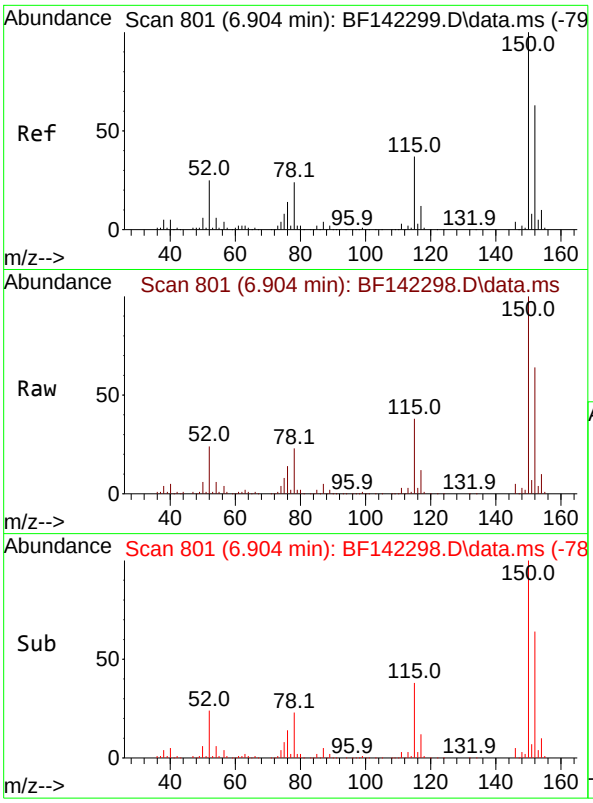
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142298.D
Acq On : 05 May 2025 15:21
Operator : RC/JU
Sample : SSTDICC020
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Quant Time: May 05 17:58:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 17:44:56 2025
Response via : Initial Calibration



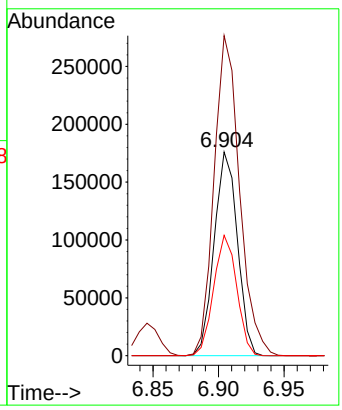


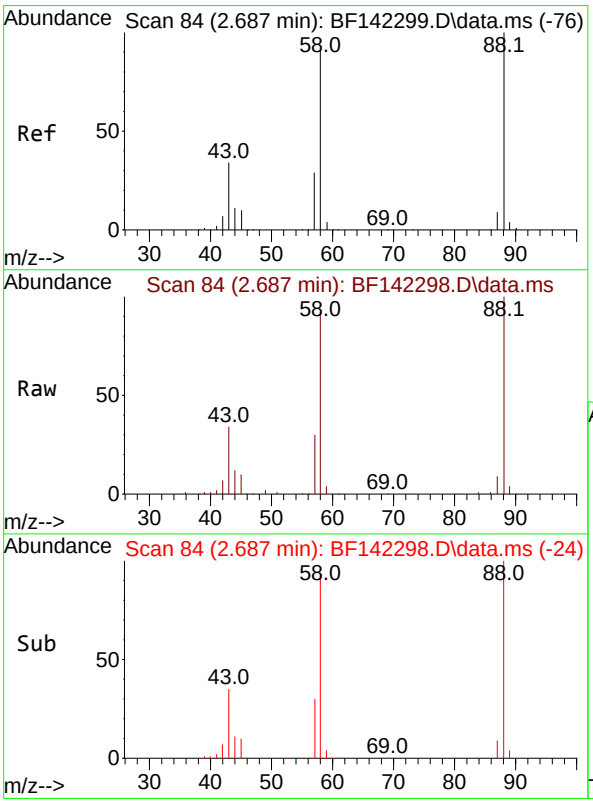
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 216286

Ion	Ratio	Lower	Upper
152	100		
150	157.2	126.6	190.0
115	59.1	47.3	70.9

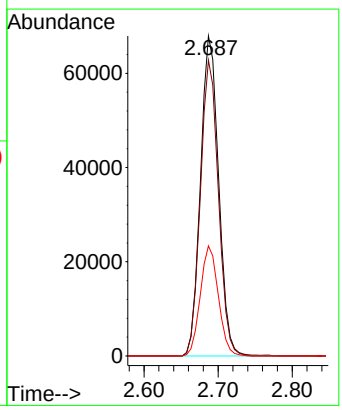


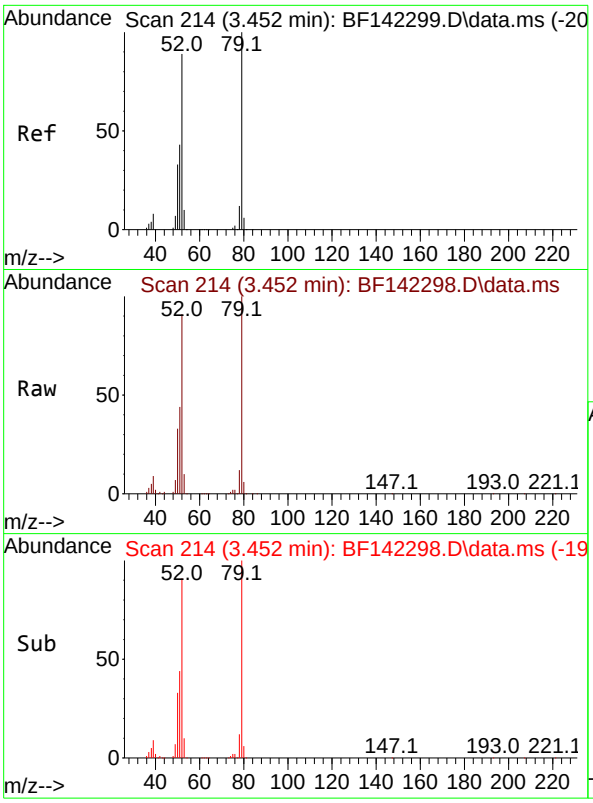


#2
1,4-Dioxane
Concen: 20.274 ng
RT: 2.687 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion: 88 Resp: 115676

Ion	Ratio	Lower	Upper
88	100		
58	91.5	73.0	109.4
43	34.2	27.8	41.6



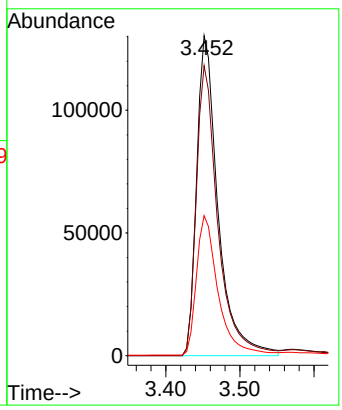


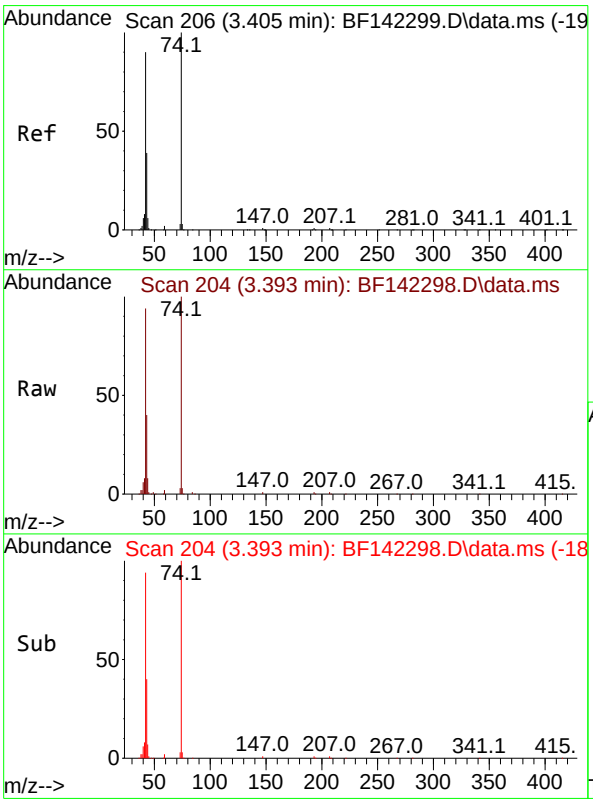
#3
Pyridine
Concen: 19.504 ng
RT: 3.452 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 261665

Ion	Ratio	Lower	Upper
79	100		
52	90.6	71.0	106.4
51	43.7	34.9	52.3

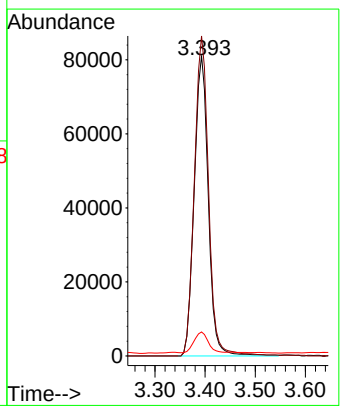


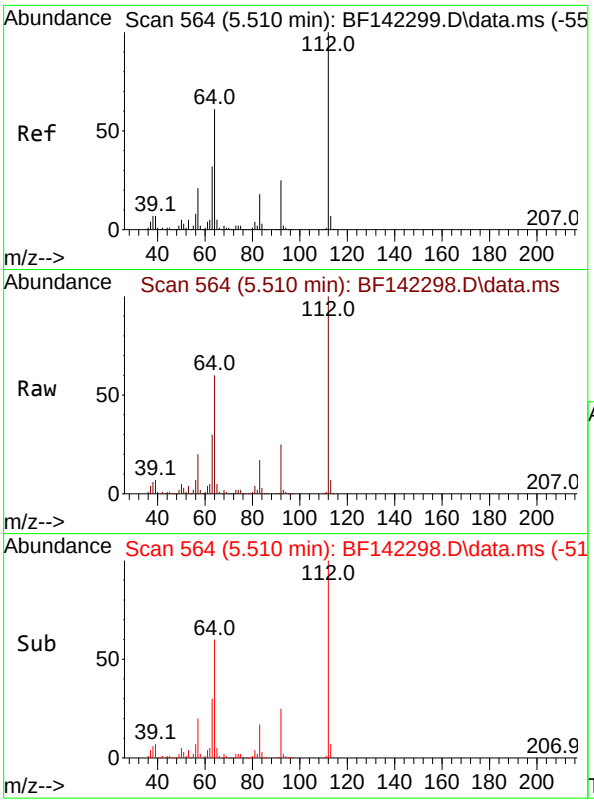


#4
n-Nitrosodimethylamine
Concen: 20.240 ng
RT: 3.393 min Scan# 204
Delta R.T. -0.012 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion: 42 Resp: 157578

Ion	Ratio	Lower	Upper
42	100		
74	106.6	88.5	132.7
44	8.0	5.8	8.8



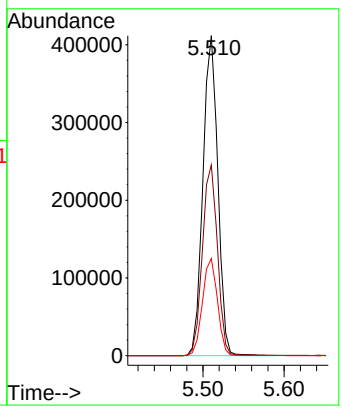


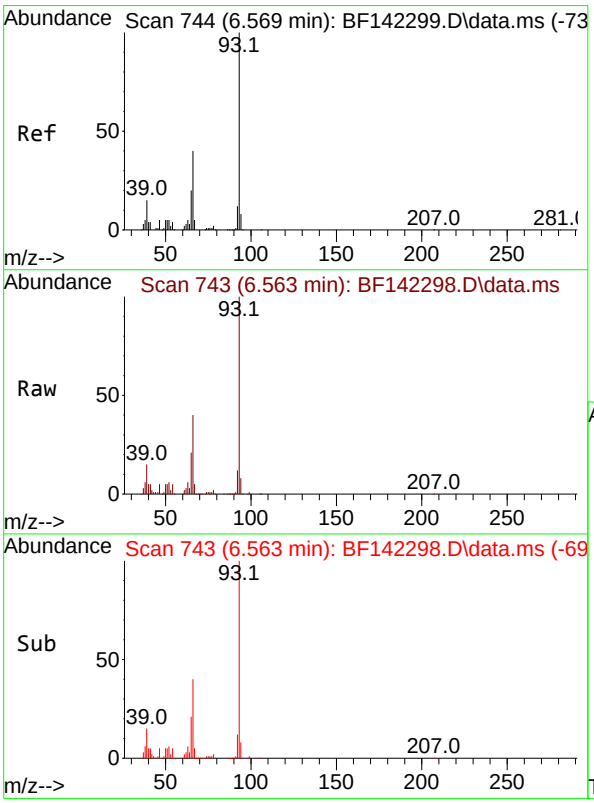
#5
2-Fluorophenol
Concen: 41.358 ng
RT: 5.510 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:112 Resp: 524001

Ion	Ratio	Lower	Upper
112	100		
64	59.6	48.9	73.3
63	30.4	25.6	38.4

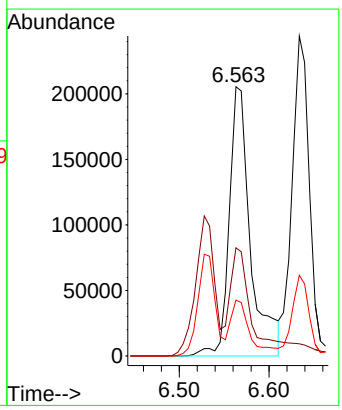


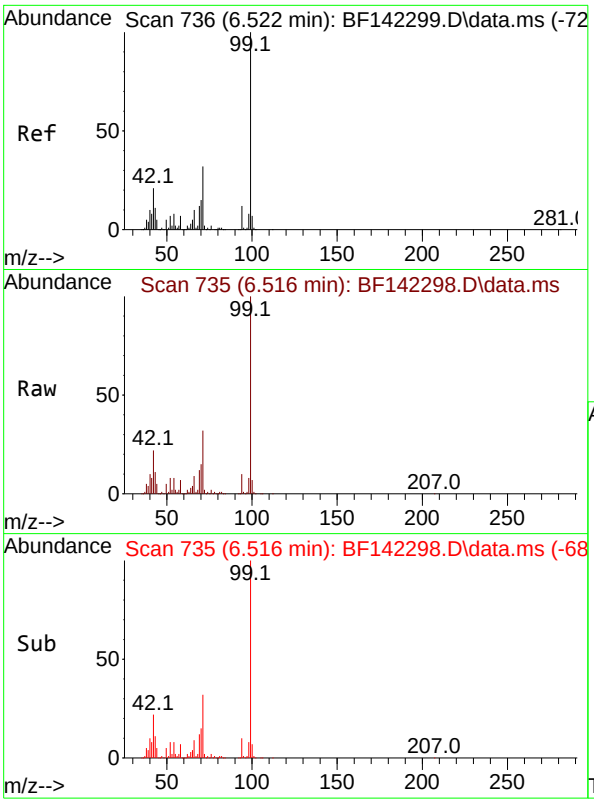


#6
Aniline
Concen: 22.194 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion: 93 Resp: 339232

Ion	Ratio	Lower	Upper
93	100		
66	40.2	32.2	48.4
65	20.8	16.3	24.5



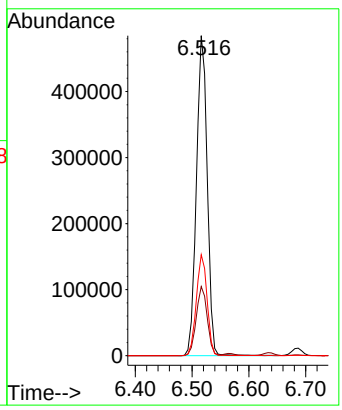


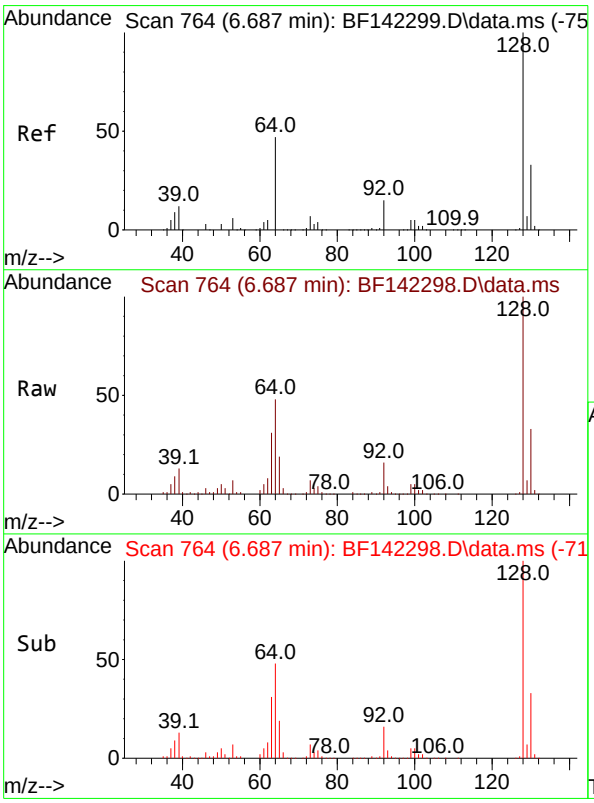
#7
Phenol-d6
Concen: 41.341 ng
RT: 6.516 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 99 Resp: 644227

Ion	Ratio	Lower	Upper
99	100		
42	21.6	17.0	25.4
71	31.6	25.8	38.8

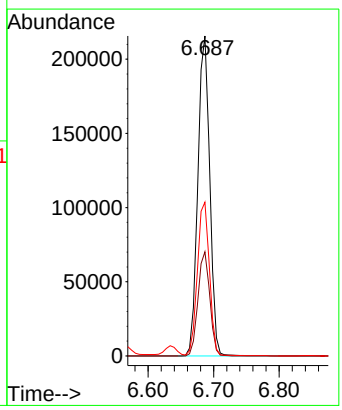


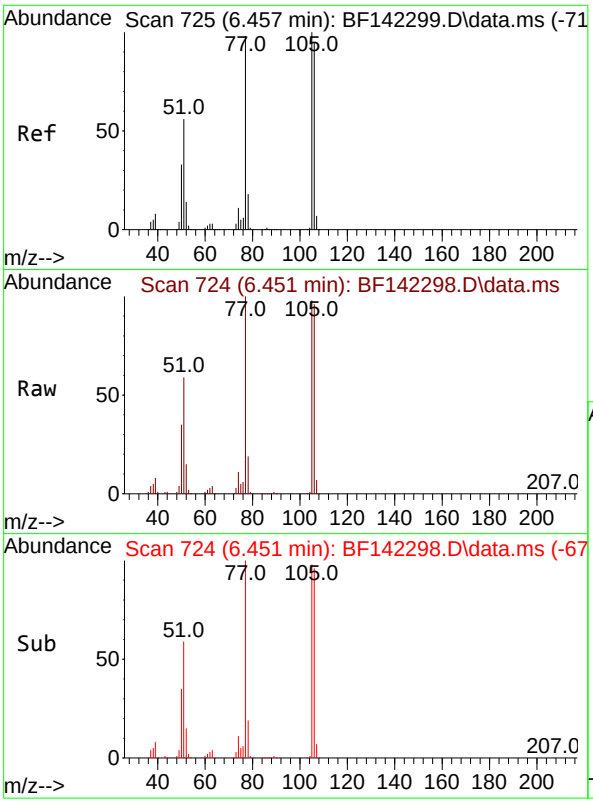


#8
2-Chlorophenol
Concen: 20.174 ng
RT: 6.687 min Scan# 764
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:128 Resp: 273145

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.7	52.7
64	48.0	29.2	69.2



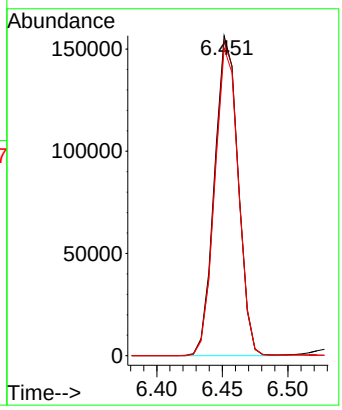


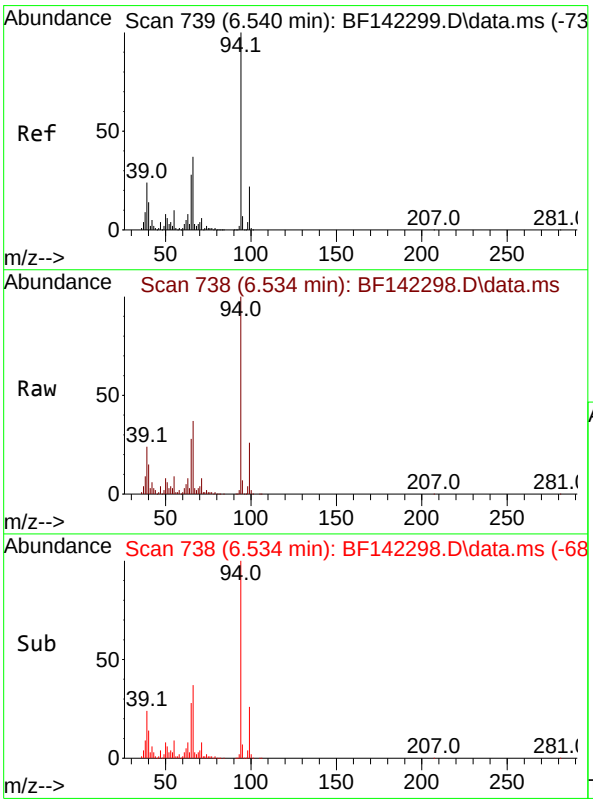
#9
Benzaldehyde
Concen: 21.418 ng
RT: 6.451 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 195344

Ion	Ratio	Lower	Upper
77	100		
105	98.4	82.0	122.0
106	96.1	77.2	117.2

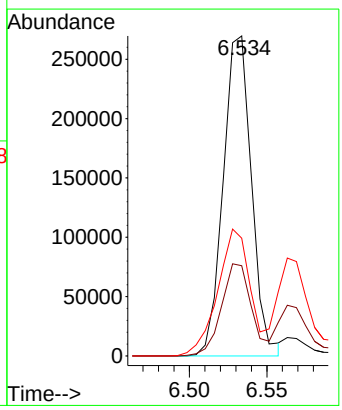


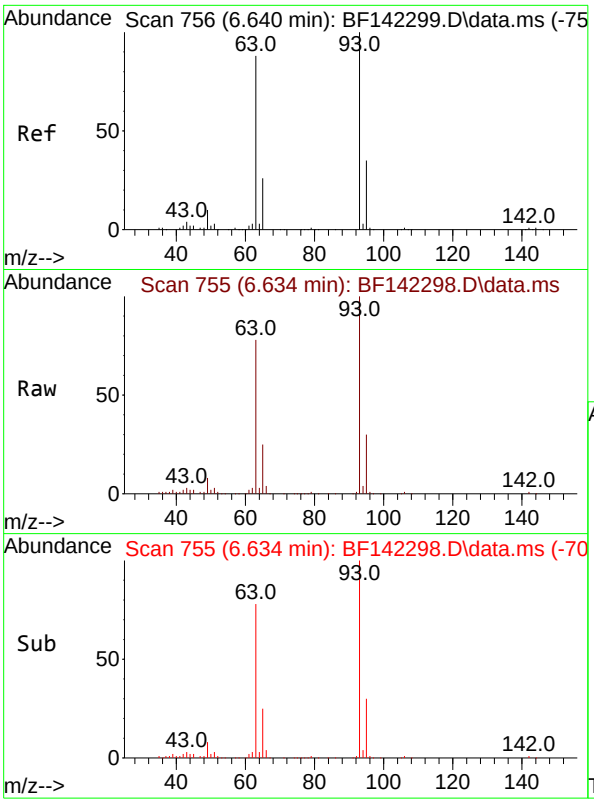


#10
Phenol
Concen: 20.739 ng
RT: 6.534 min Scan# 738
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion: 94 Resp: 342565

Ion	Ratio	Lower	Upper
94	100		
65	28.2	8.5	48.5
66	36.8	17.3	57.3



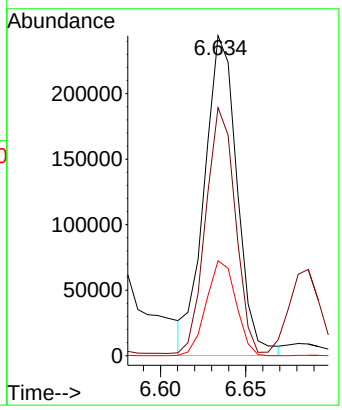


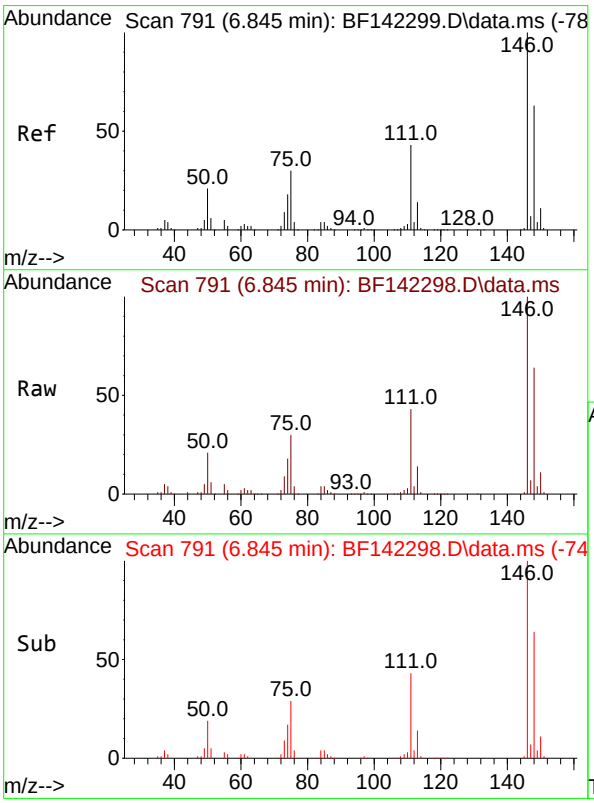
#11
bis(2-Chloroethyl)ether
Concen: 20.046 ng
RT: 6.634 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 93 Resp: 326537

Ion	Ratio	Lower	Upper
93	100		
63	77.5	58.4	98.4
95	29.7	10.6	50.6

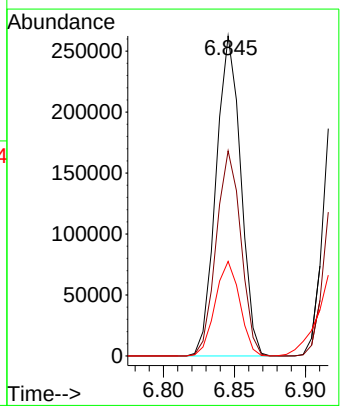


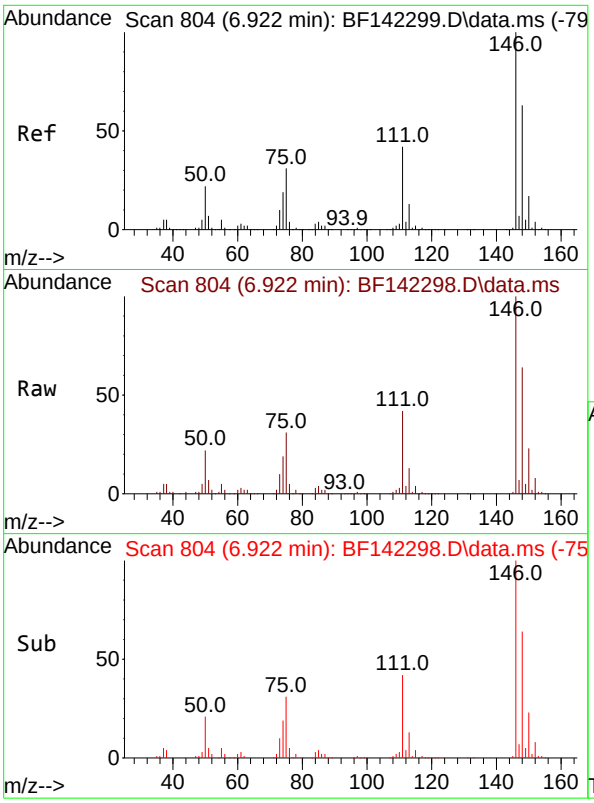


#12
1,3-Dichlorobenzene
Concen: 20.472 ng
RT: 6.845 min Scan# 791
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:146 Resp: 317103

Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.6	76.0
75	29.5	24.2	36.4



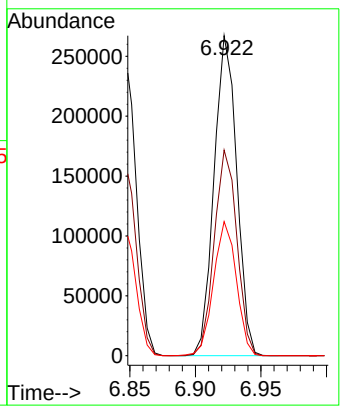


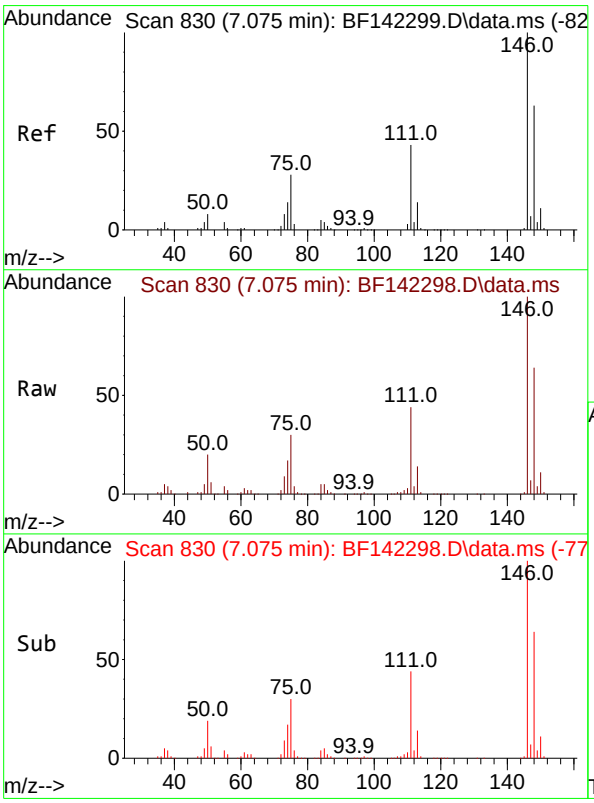
#13
1,4-Dichlorobenzene
Concen: 20.669 ng
RT: 6.922 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:146 Resp: 321447

Ion	Ratio	Lower	Upper
146	100		
148	64.3	50.5	75.7
111	41.9	33.4	50.2

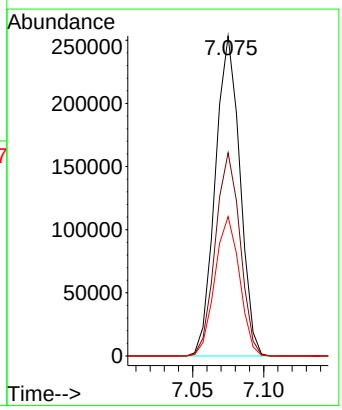


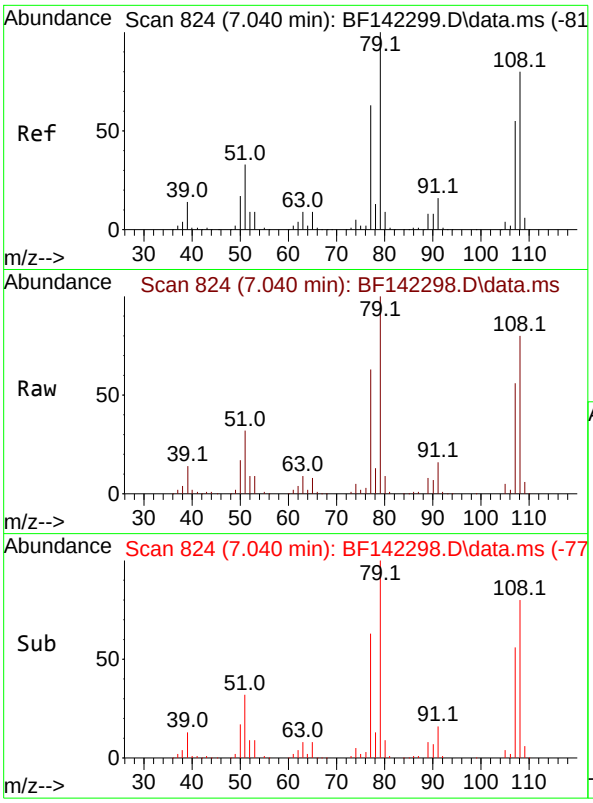


#14
1,2-Dichlorobenzene
Concen: 20.500 ng
RT: 7.075 min Scan# 830
Delta R.T. 0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:146 Resp: 306024

Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.3	75.5
111	43.5	34.5	51.7



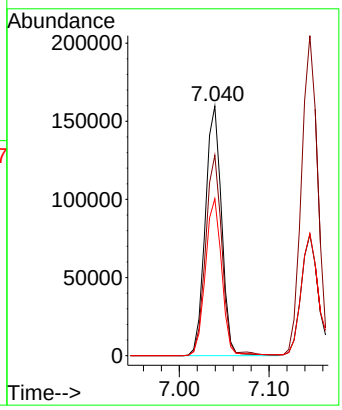


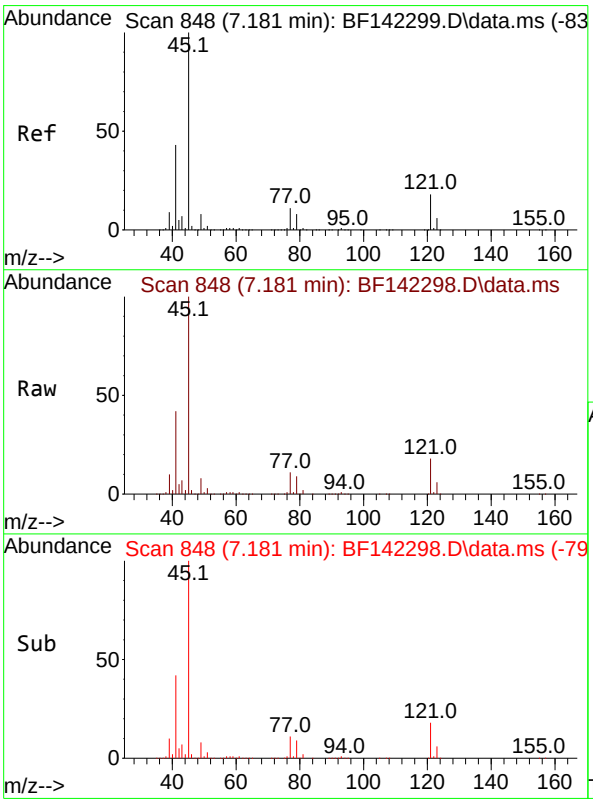
#15
Benzyl Alcohol
Concen: 19.996 ng
RT: 7.040 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 79 Resp: 201768

Ion	Ratio	Lower	Upper
79	100		
108	80.3	63.9	95.9
77	62.9	50.7	76.1

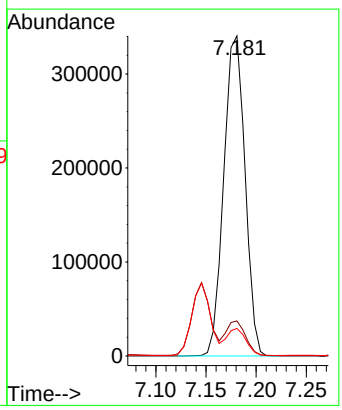


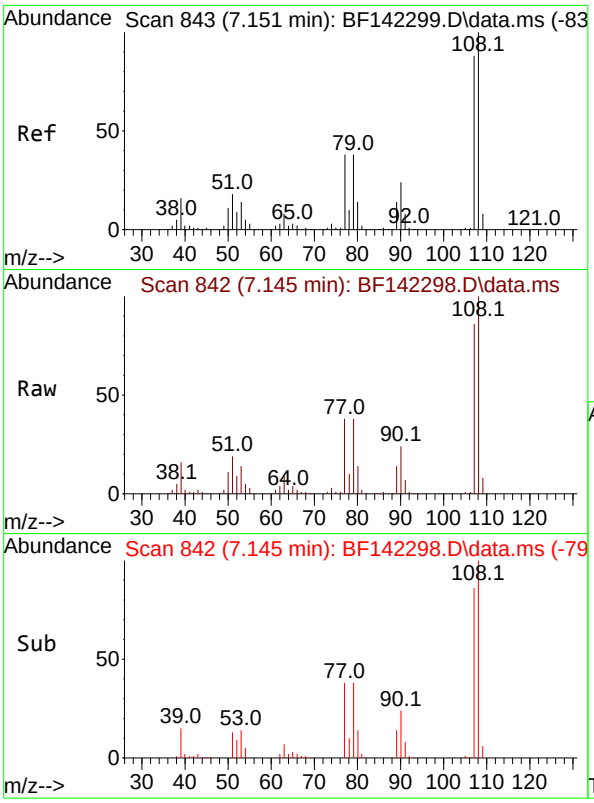


#16
2,2'-oxybis(1-Chloropropane)
Concen: 20.672 ng
RT: 7.181 min Scan# 848
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion: 45 Resp: 502839

Ion	Ratio	Lower	Upper
45	100		
77	11.0	0.0	31.2
79	8.6	0.0	28.5



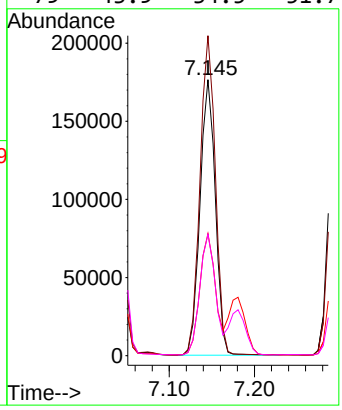


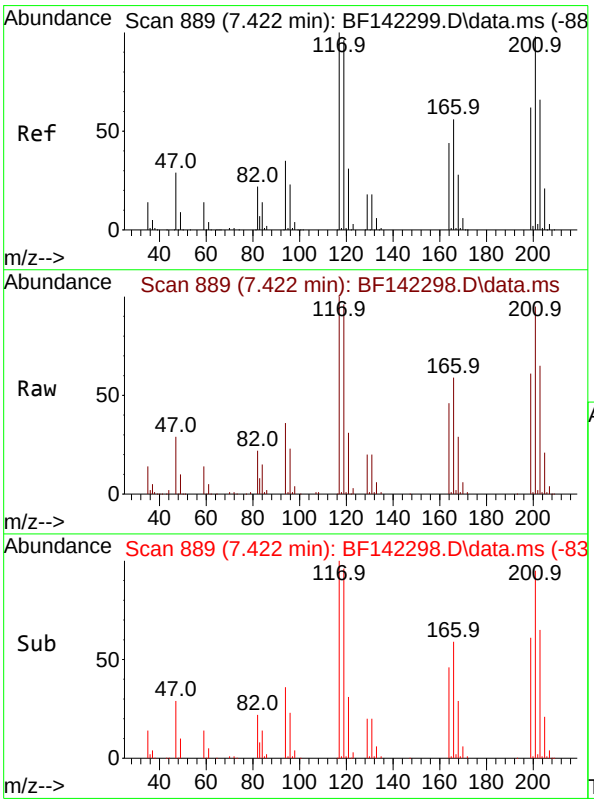
#17
2-Methylphenol
Concen: 20.166 ng
RT: 7.145 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:107 Resp: 221049

Ion	Ratio	Lower	Upper
107	100		
108	115.9	91.1	136.7
77	44.2	34.7	52.1
79	43.9	34.5	51.7

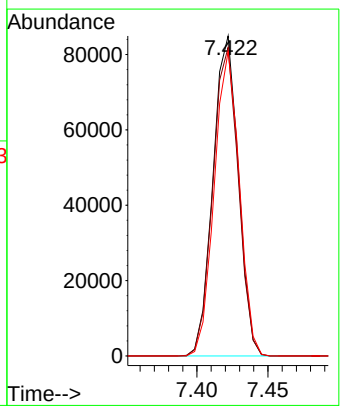


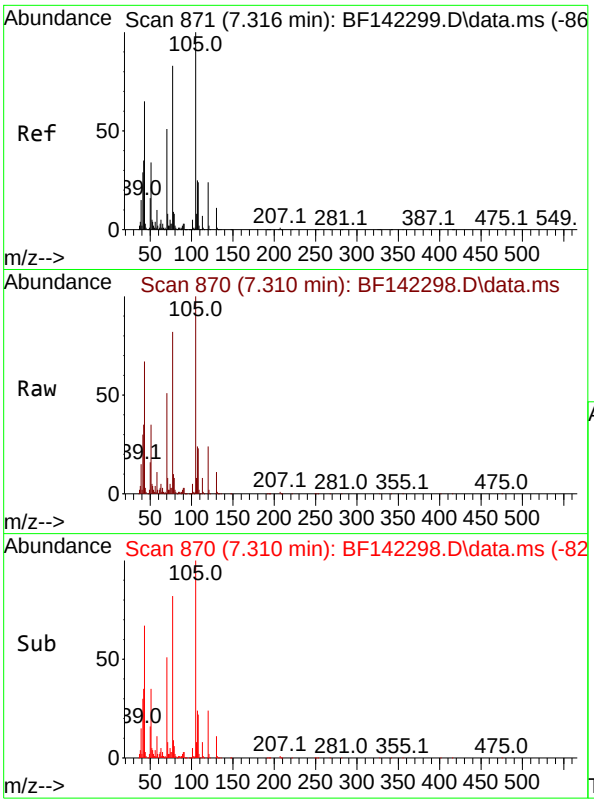


#18
Hexachloroethane
Concen: 20.413 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:117 Resp: 105630

Ion	Ratio	Lower	Upper
117	100		
119	96.5	76.9	115.3
201	95.1	78.0	117.0



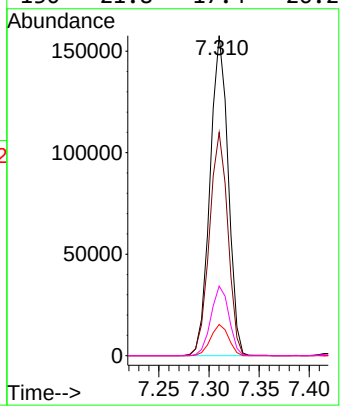


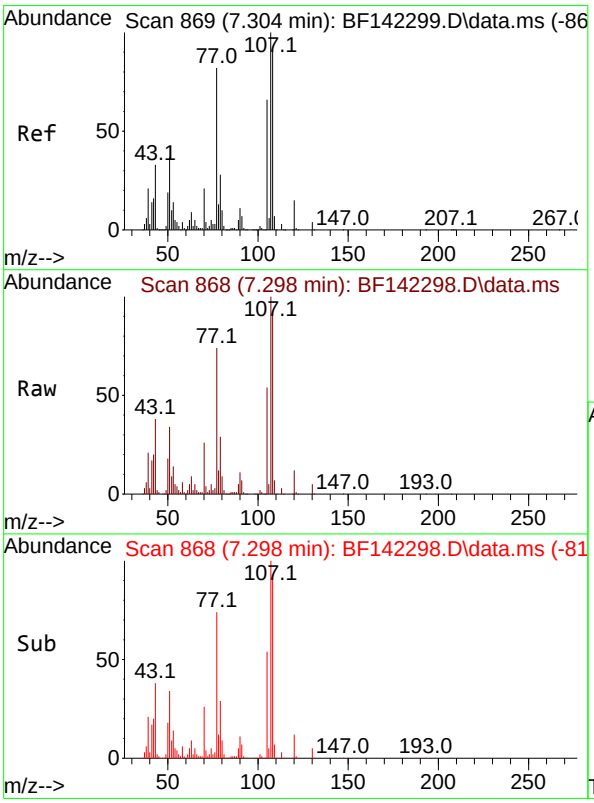
#19
n-Nitroso-di-n-propylamine
Concen: 20.599 ng
RT: 7.310 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 70 Resp: 198554

Ion	Ratio	Lower	Upper
70	100		
42	69.7	54.8	82.2
101	9.7	7.7	11.5
130	21.8	17.4	26.2

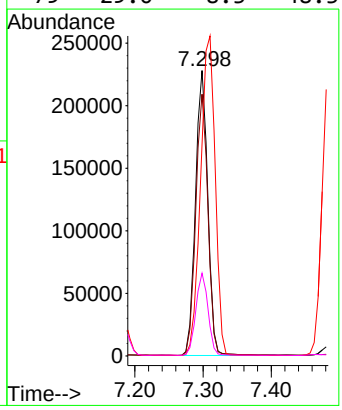


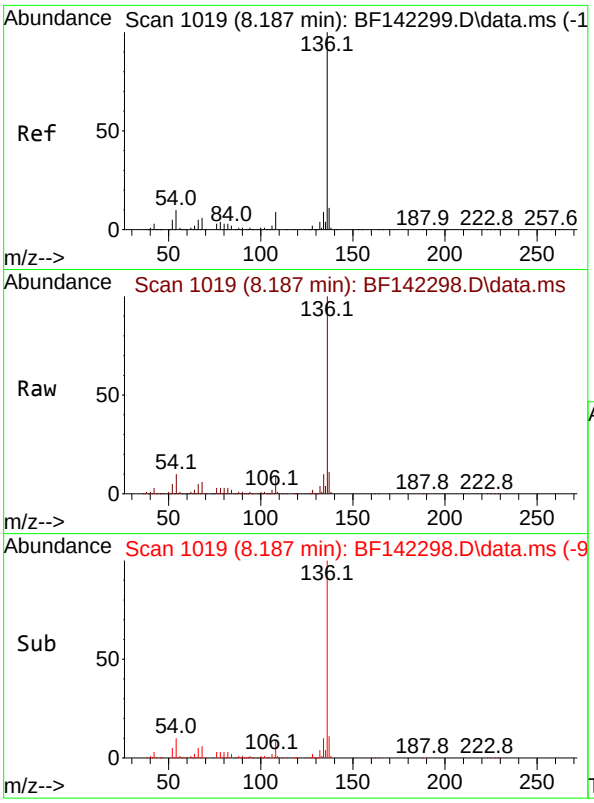


#20
3+4-Methylphenols
Concen: 20.896 ng
RT: 7.298 min Scan# 868
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:107 Resp: 285863

Ion	Ratio	Lower	Upper
107	100		
108	91.7	71.5	111.5
77	74.1	61.6	101.6
79	29.0	8.3	48.3



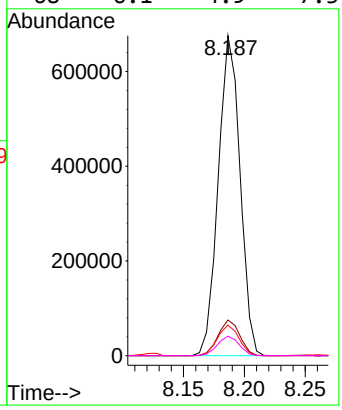


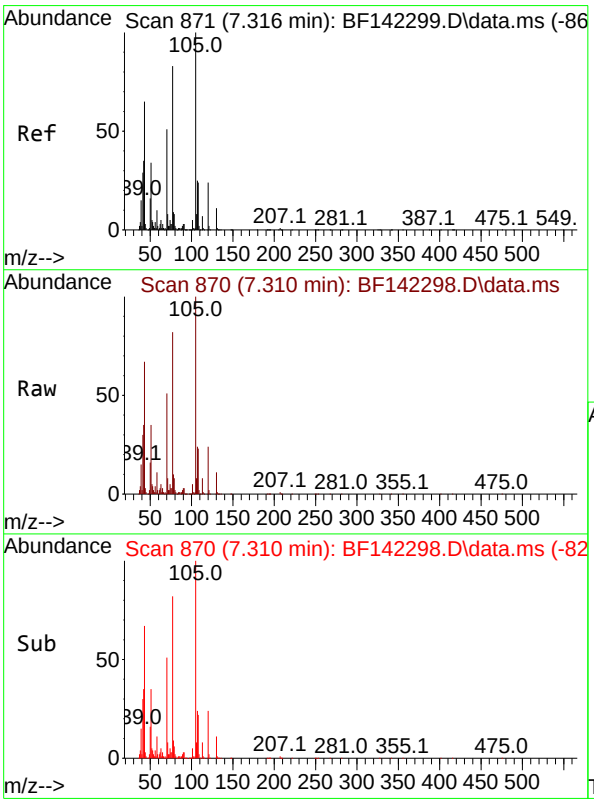
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:136 Resp: 842039

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	9.5	7.7	11.5
68	6.1	4.9	7.3

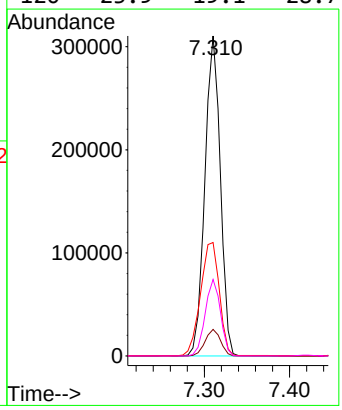


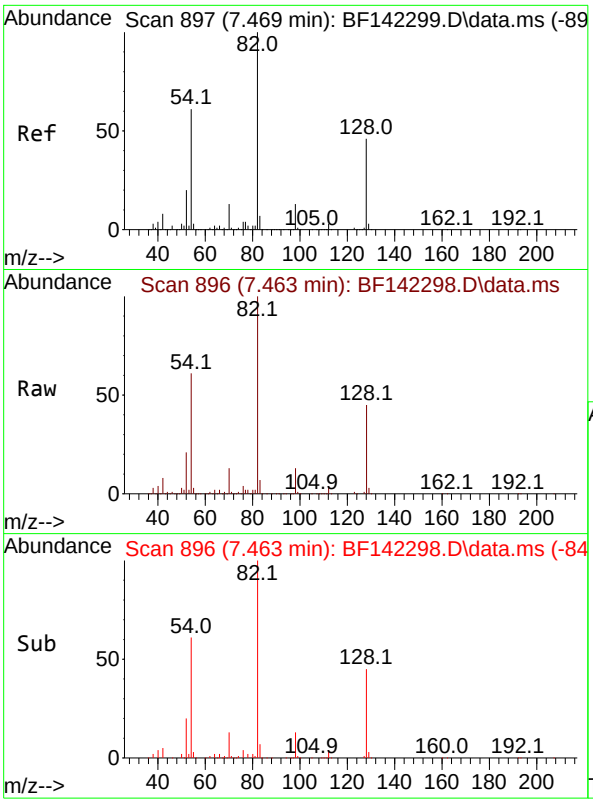


#22
Acetophenone
Concen: 20.871 ng
RT: 7.310 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:105 Resp: 390755

Ion	Ratio	Lower	Upper
105	100		
71	8.3	6.7	10.1
51	35.5	27.6	41.4
120	23.9	19.1	28.7



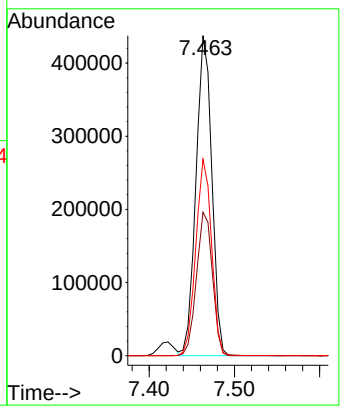


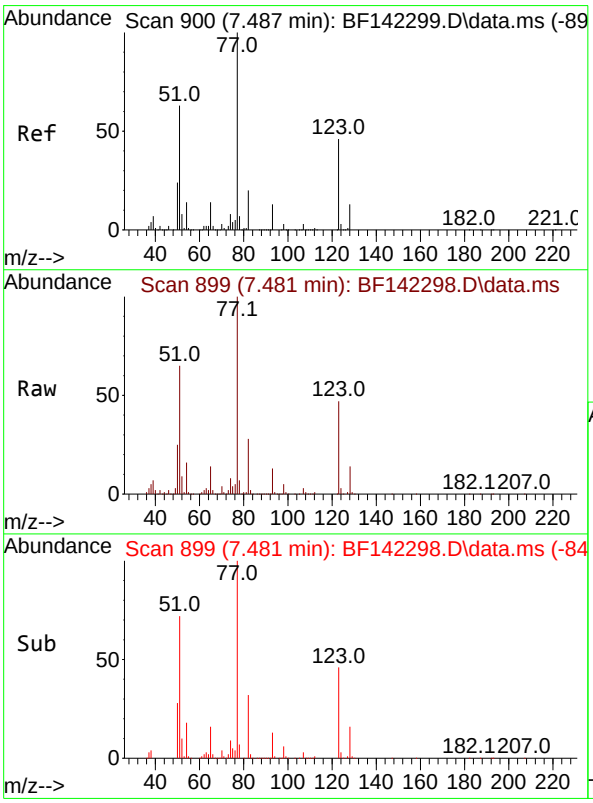
#23
Nitrobenzene-d5
Concen: 40.944 ng
RT: 7.463 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 565303

Ion	Ratio	Lower	Upper
82	100		
128	44.8	37.0	55.6
54	61.4	48.6	73.0

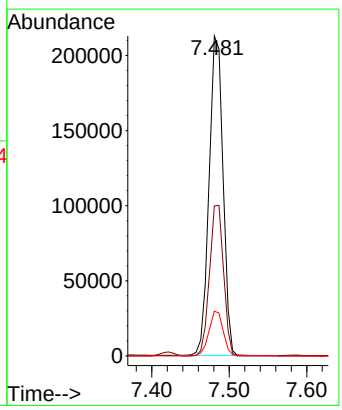


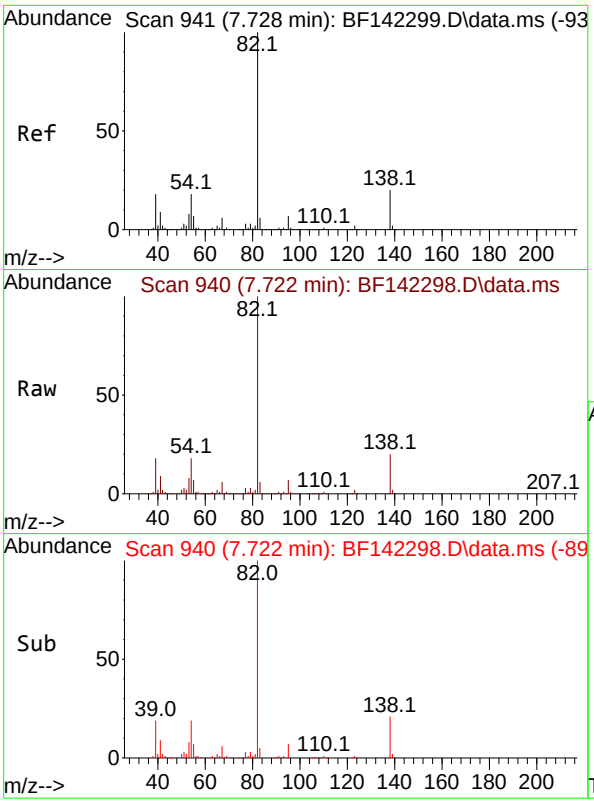


#24
Nitrobenzene
Concen: 20.474 ng
RT: 7.481 min Scan# 899
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion: 77 Resp: 266464

Ion	Ratio	Lower	Upper
77	100		
123	46.9	37.8	56.8
65	14.0	11.4	17.0



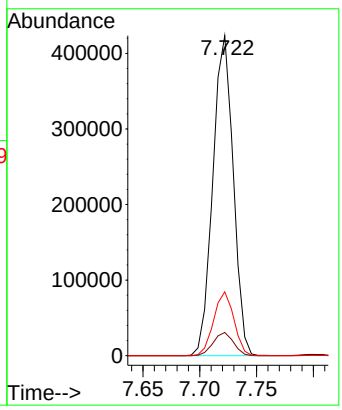


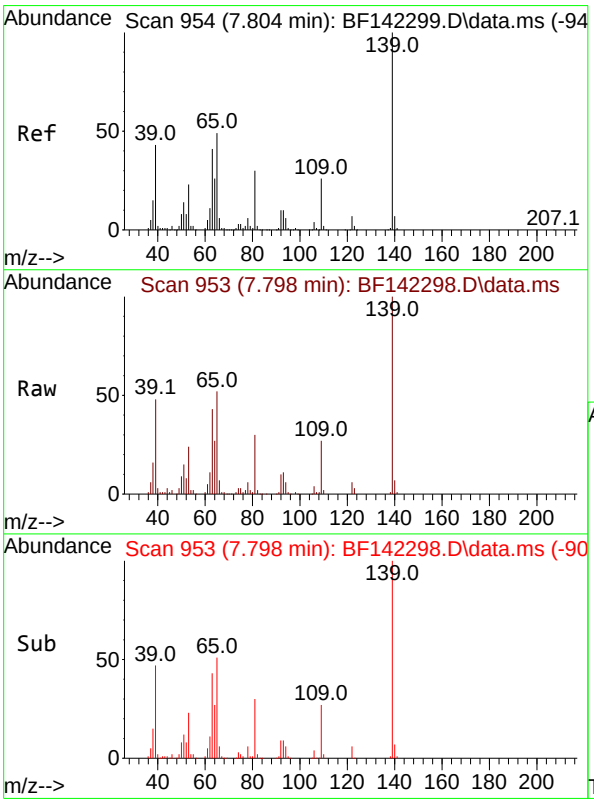
#25
Isophorone
Concen: 20.291 ng
RT: 7.722 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 82 Resp: 530519

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.8	8.8
138	20.0	16.1	24.1

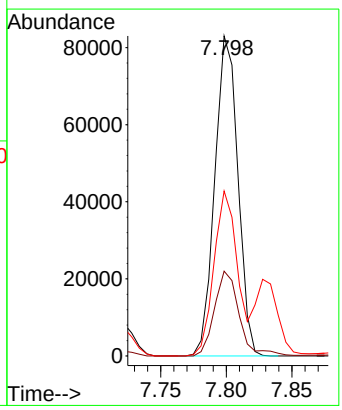


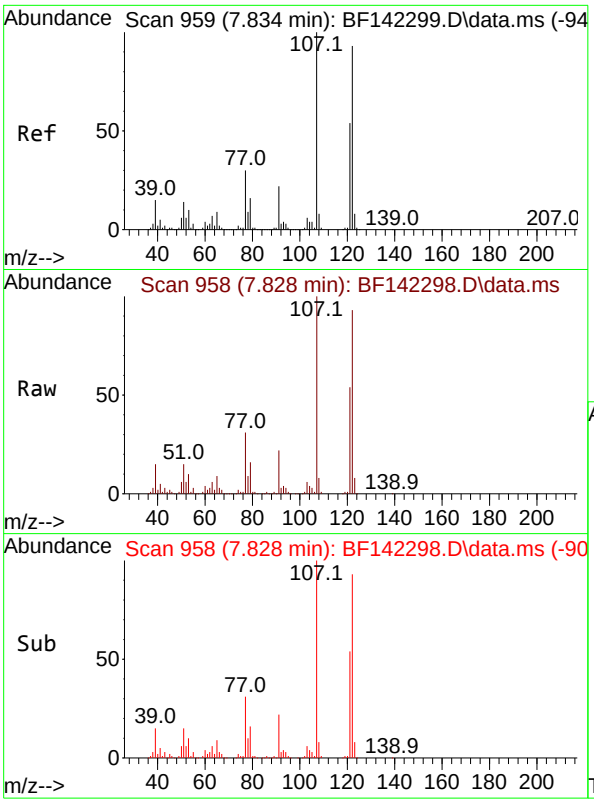


#26
2-Nitrophenol
Concen: 18.889 ng
RT: 7.798 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:139 Resp: 101497

Ion	Ratio	Lower	Upper
139	100		
109	26.5	20.8	31.2
65	51.5	38.9	58.3



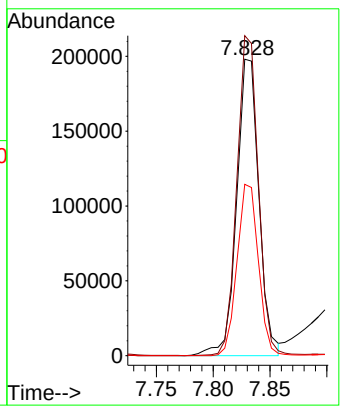


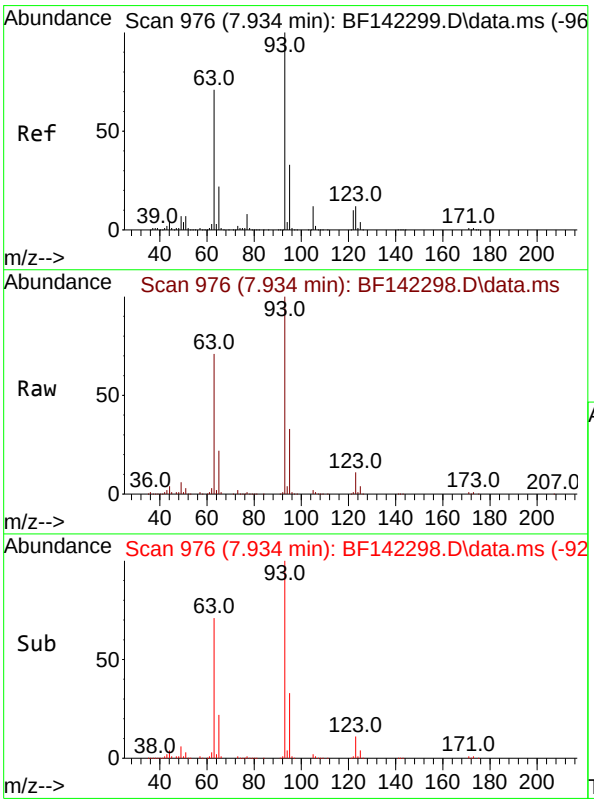
#27
2,4-Dimethylphenol
Concen: 20.543 ng
RT: 7.828 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:122 Resp: 270038

Ion	Ratio	Lower	Upper
122	100		
107	107.9	86.0	129.0
121	57.8	46.2	69.4

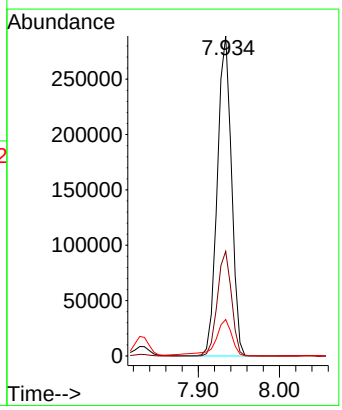


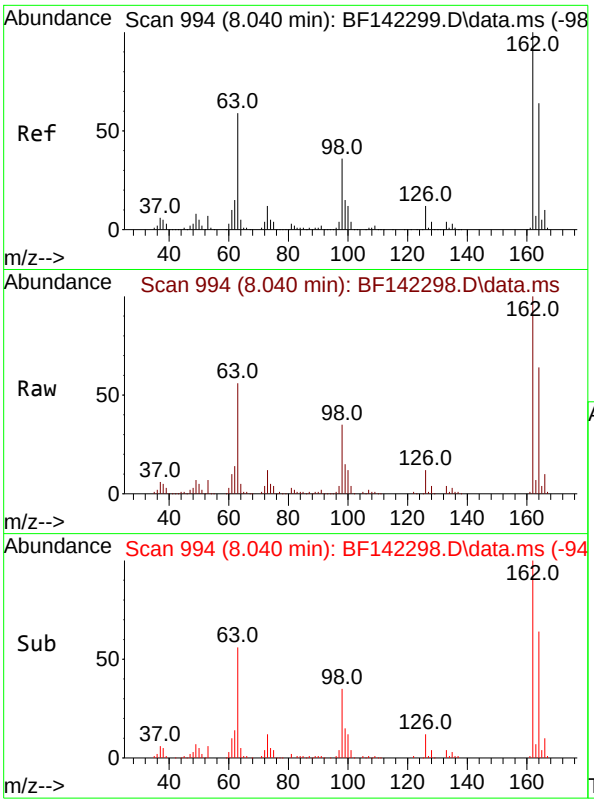


#28
bis(2-Chloroethoxy)methane
Concen: 20.919 ng
RT: 7.934 min Scan# 976
Delta R.T. 0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion: 93 Resp: 351686

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.1	39.1
123	11.4	10.2	15.4



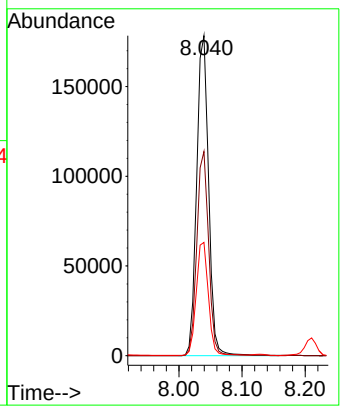


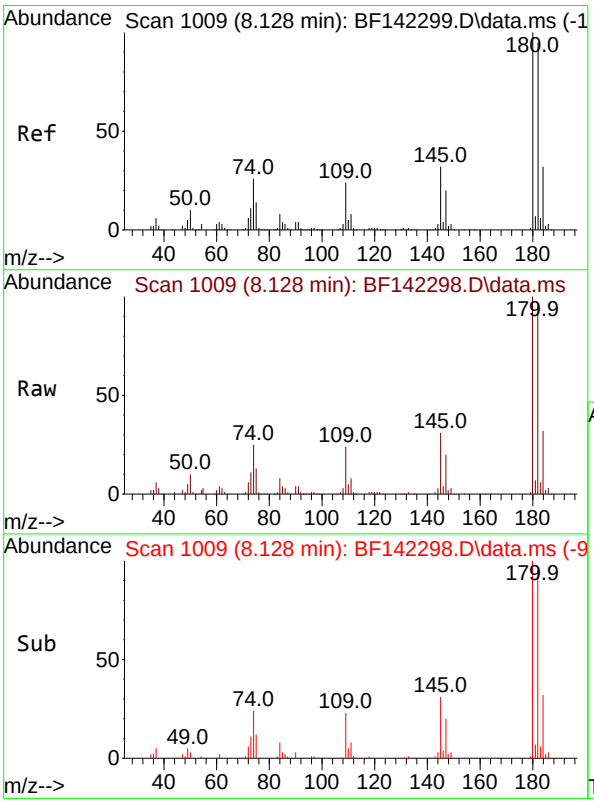
#29
2,4-Dichlorophenol
Concen: 20.924 ng
RT: 8.040 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 233840

Ion	Ratio	Lower	Upper
162	100		
164	63.8	43.6	83.6
98	35.4	16.5	56.5

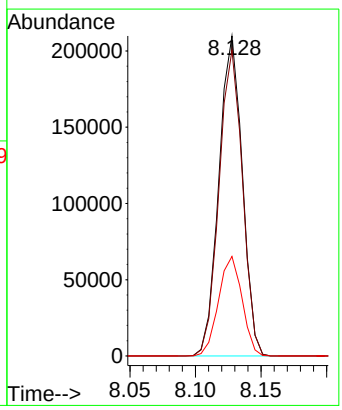


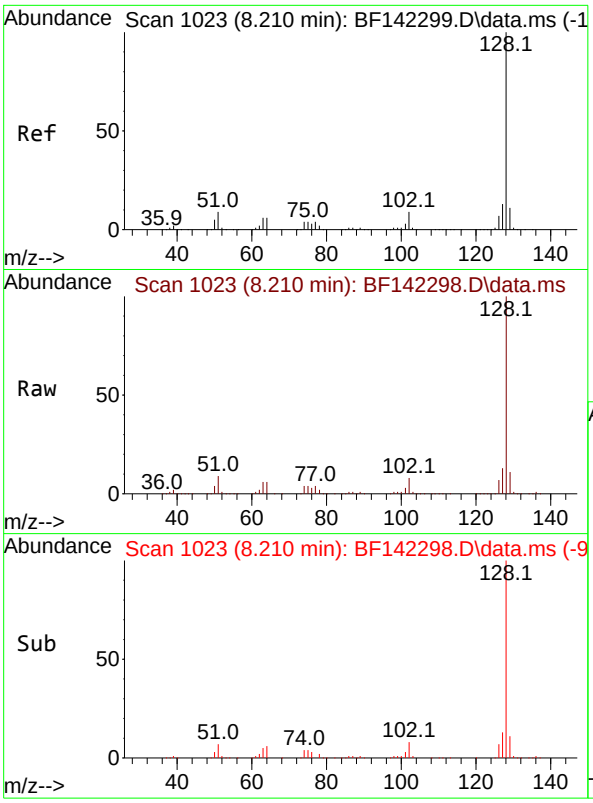


#30
1,2,4-Trichlorobenzene
Concen: 20.674 ng
RT: 8.128 min Scan# 1009
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:180 Resp: 260029

Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.2	114.4
145	31.1	25.8	38.6



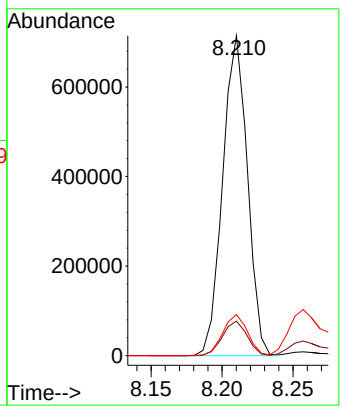


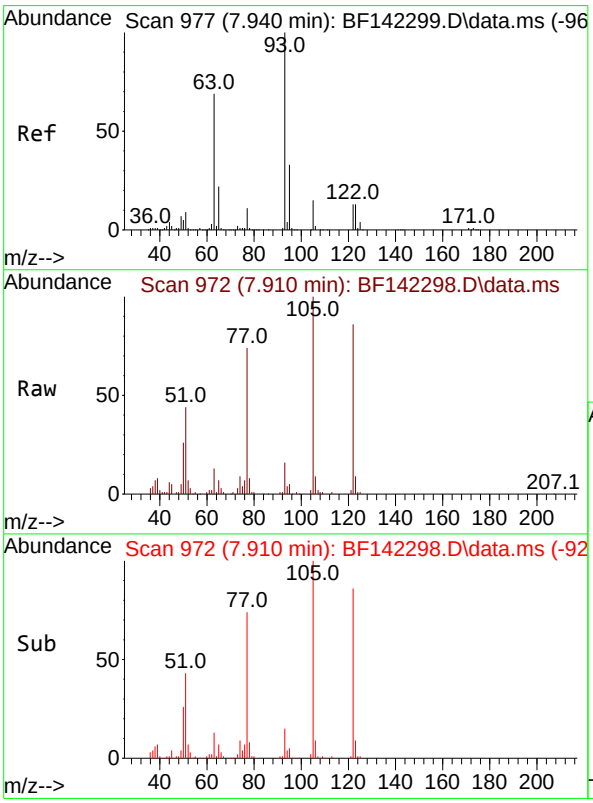
#31
Naphthalene
Concen: 21.209 ng
RT: 8.210 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:128 Resp: 865551

Ion	Ratio	Lower	Upper
128	100		
129	10.8	9.1	13.7
127	12.9	10.5	15.7

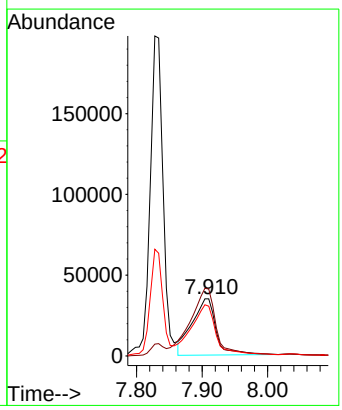


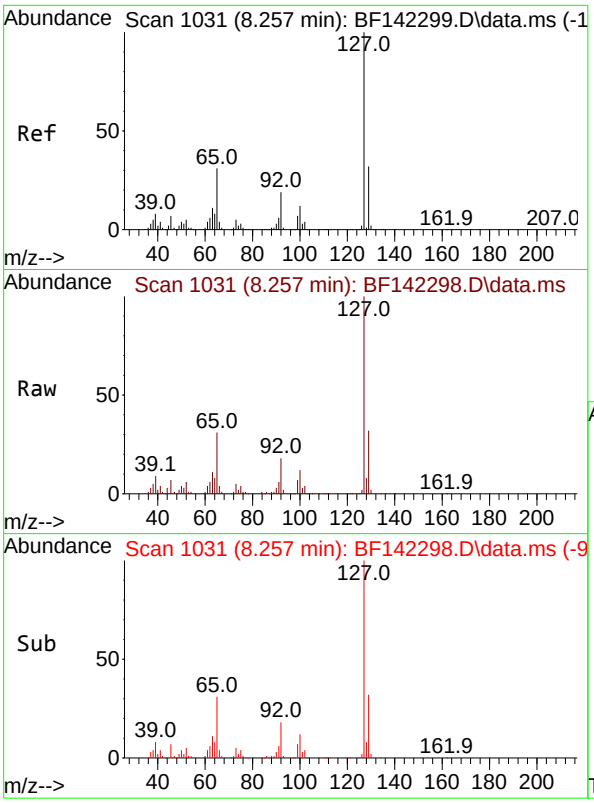


#32
Benzoic acid
Concen: 18.533 ng
RT: 7.910 min Scan# 972
Delta R.T. -0.030 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:122 Resp: 90029

Ion	Ratio	Lower	Upper
122	100		
105	116.9	97.9	137.9
77	87.0	67.7	107.7



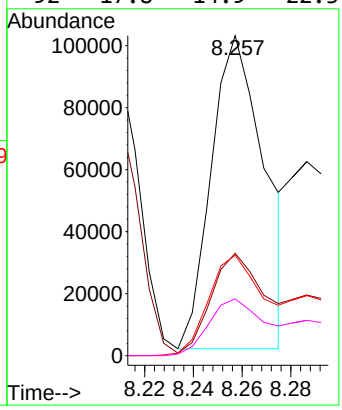


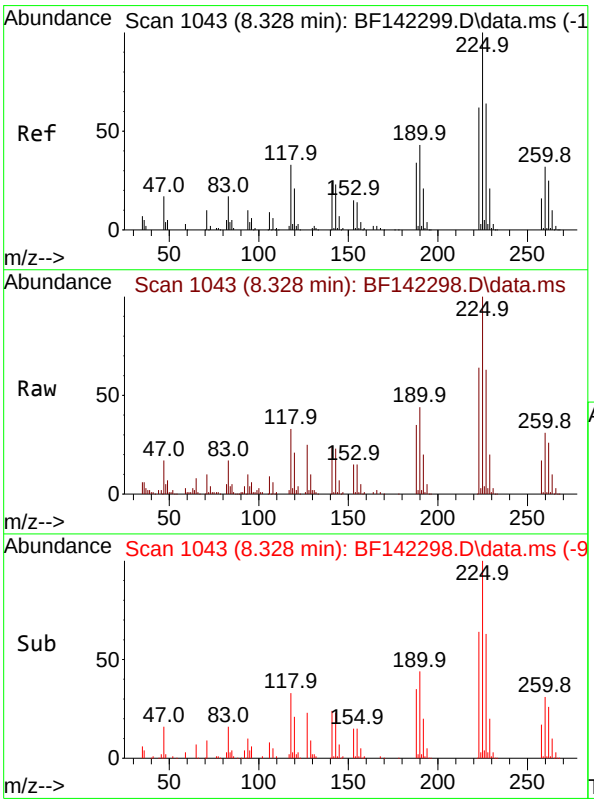
#33
4-Chloroaniline
Concen: 9.215 ng
RT: 8.257 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:127 Resp: 153176

Ion	Ratio	Lower	Upper
127	100		
129	32.0	25.7	38.5
65	31.4	24.9	37.3
92	17.8	14.9	22.3

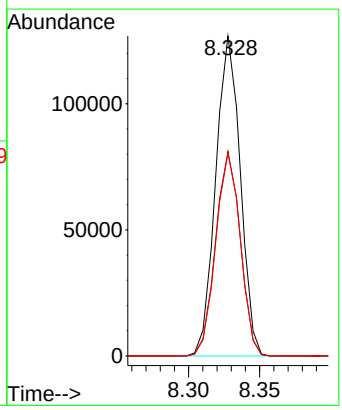


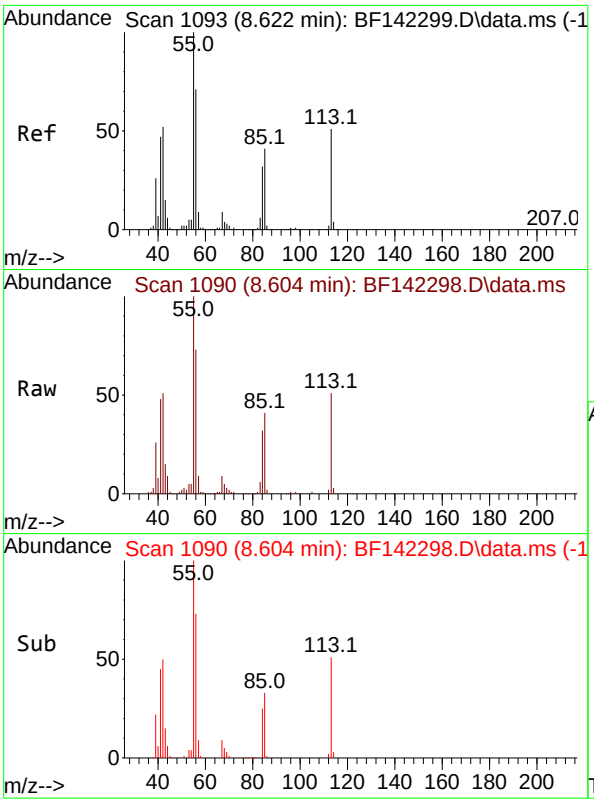


#34
Hexachlorobutadiene
Concen: 20.449 ng
RT: 8.328 min Scan# 1043
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:225 Resp: 152292

Ion	Ratio	Lower	Upper
225	100		
223	63.9	49.8	74.6
227	63.4	50.9	76.3



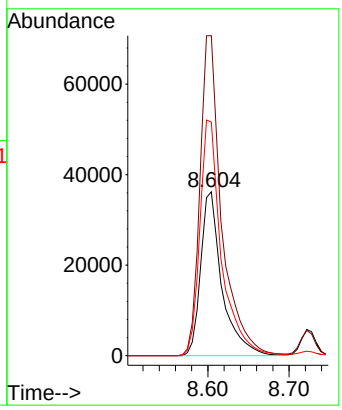


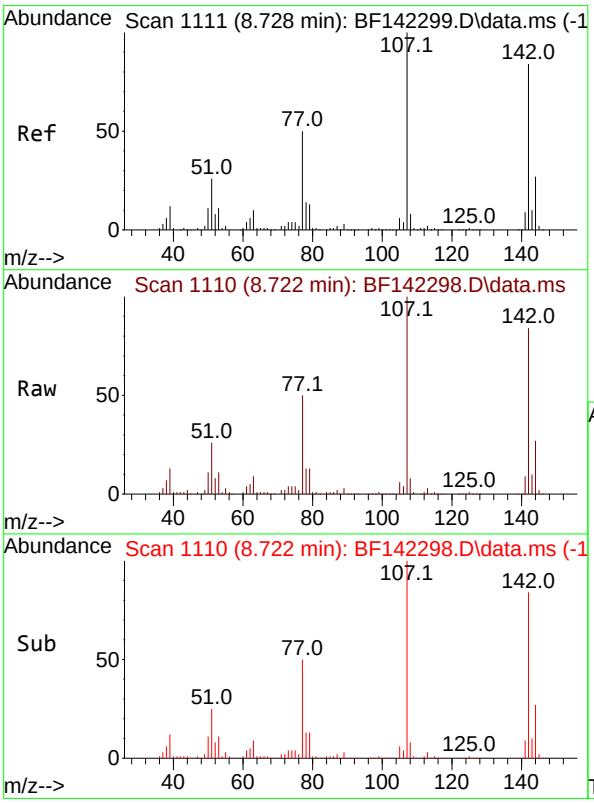
#35
Caprolactam
Concen: 20.272 ng
RT: 8.604 min Scan# 1
Delta R.T. -0.018 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:113 Resp: 65889

Ion	Ratio	Lower	Upper
113	100		
55	195.2	176.4	216.4
56	142.6	120.3	160.3

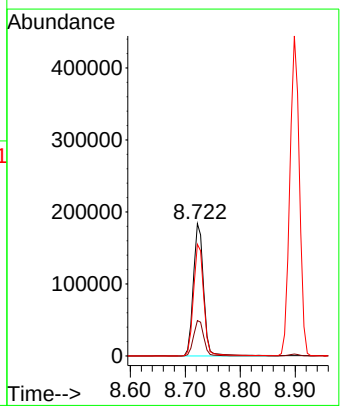


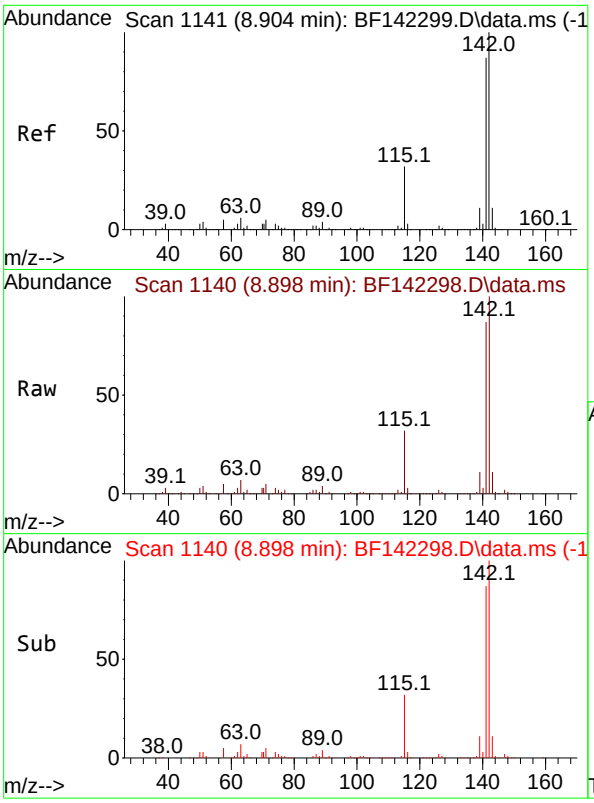


#36
4-Chloro-3-methylphenol
Concen: 20.539 ng
RT: 8.722 min Scan# 1110
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:107 Resp: 238603

Ion	Ratio	Lower	Upper
107	100		
144	26.8	21.3	31.9
142	84.4	66.9	100.3



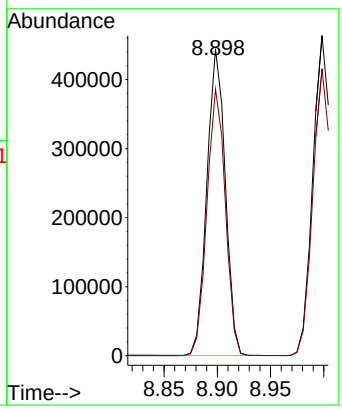


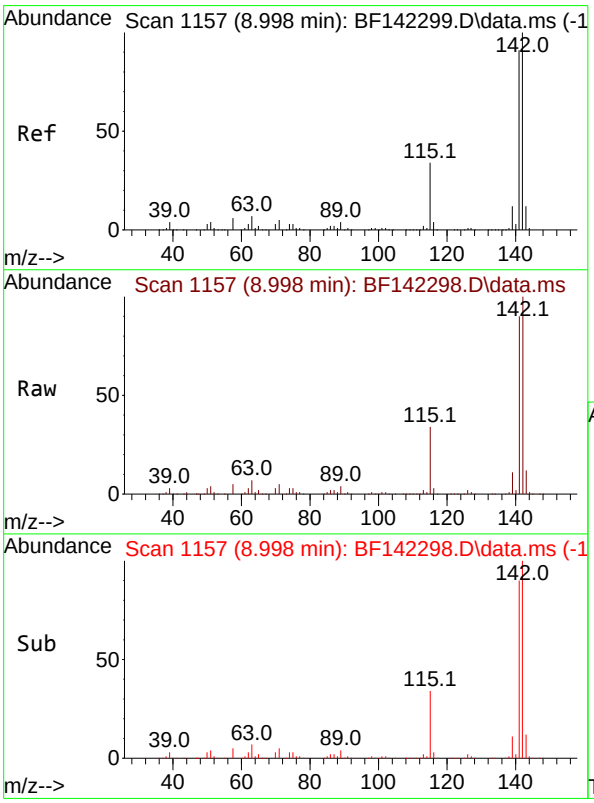
#37
2-Methylnaphthalene
Concen: 21.095 ng
RT: 8.898 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 534930

Ion	Ratio	Lower	Upper
142	100		
141	86.9	69.4	104.2

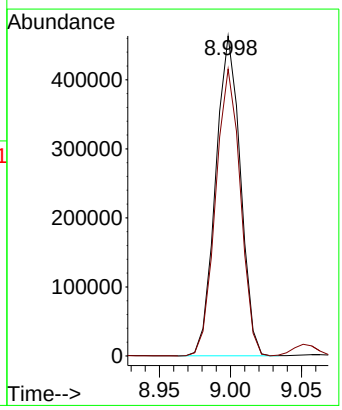


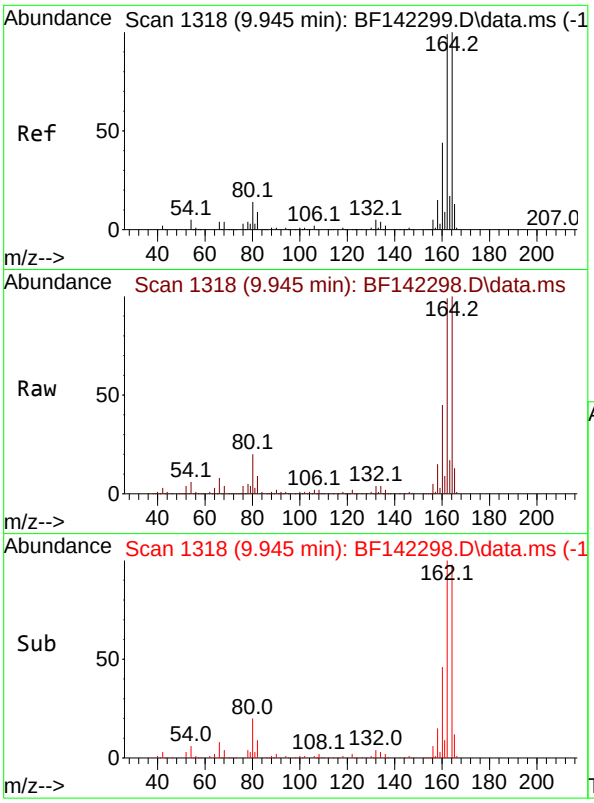


#38
1-Methylnaphthalene
Concen: 21.183 ng
RT: 8.998 min Scan# 1157
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:142 Resp: 559888

Ion	Ratio	Lower	Upper
142	100		
141	89.7	72.5	108.7



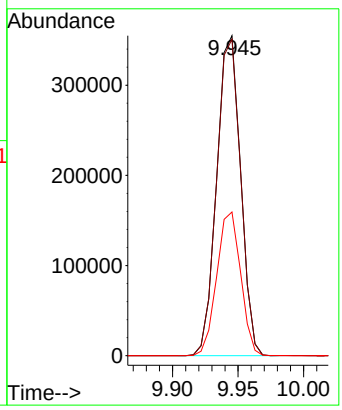


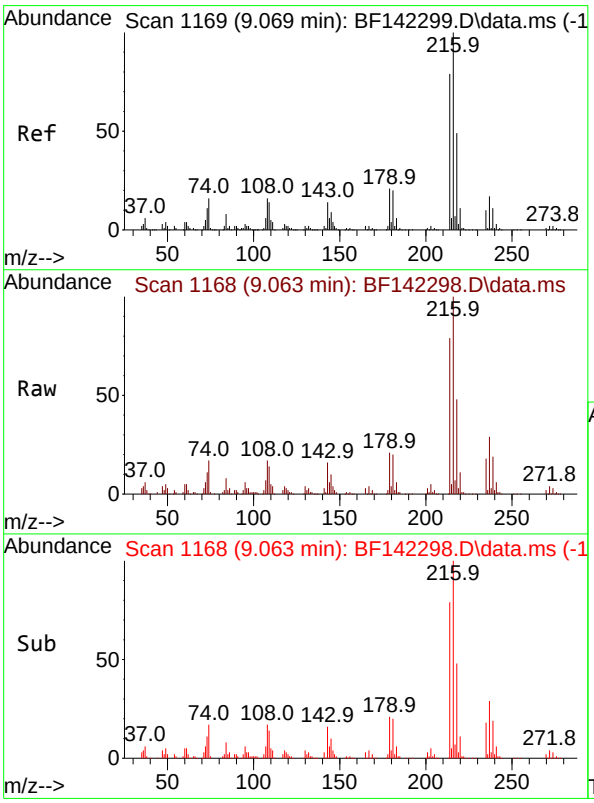
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:164 Resp: 449427

Ion	Ratio	Lower	Upper
164	100		
162	98.9	79.2	118.8
160	44.9	35.3	52.9

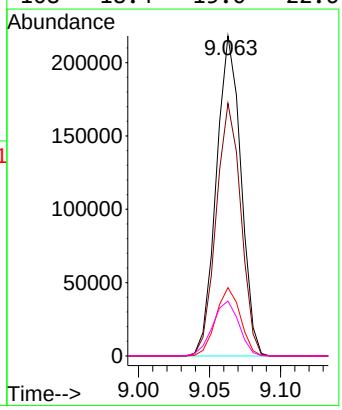


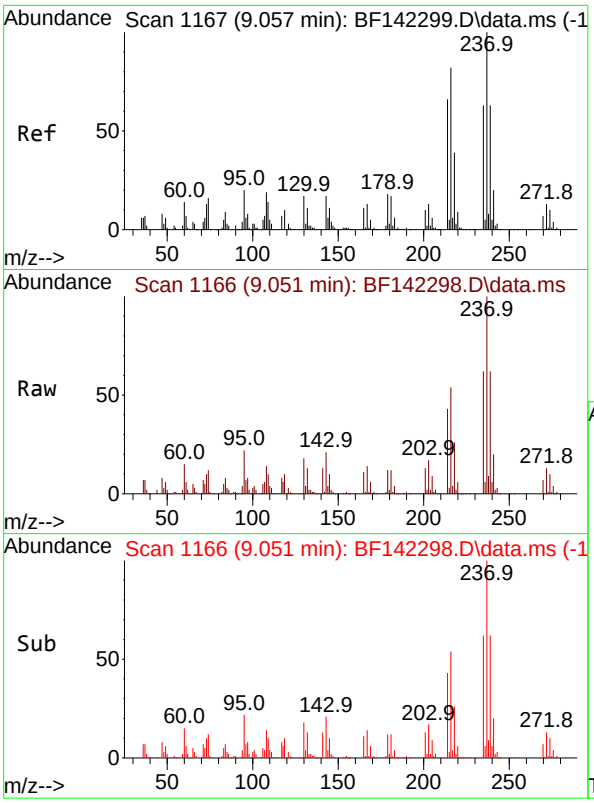


#40
1,2,4,5-Tetrachlorobenzene
Concen: 20.966 ng
RT: 9.063 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:216 Resp: 263169

Ion	Ratio	Lower	Upper
216	100		
214	78.9	63.8	95.6
179	21.3	17.0	25.6
108	18.4	15.0	22.6



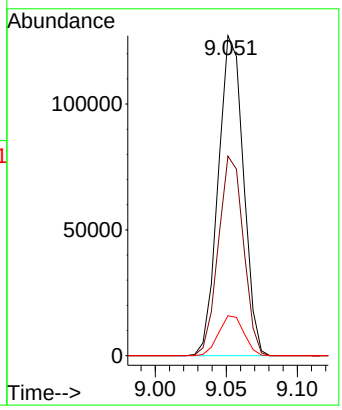


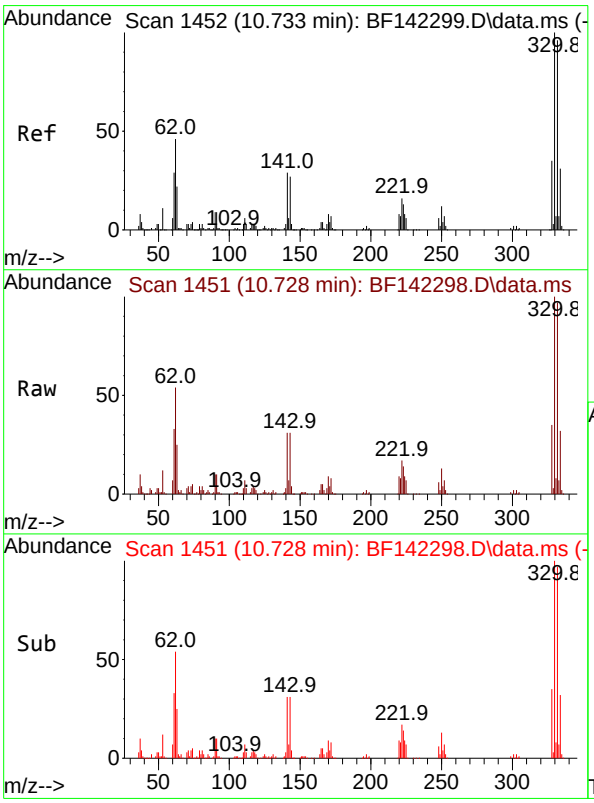
#41
Hexachlorocyclopentadiene
Concen: 20.200 ng
RT: 9.051 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:237 Resp: 156699

Ion	Ratio	Lower	Upper
237	100		
235	62.4	42.8	82.8
272	12.5	0.0	33.0

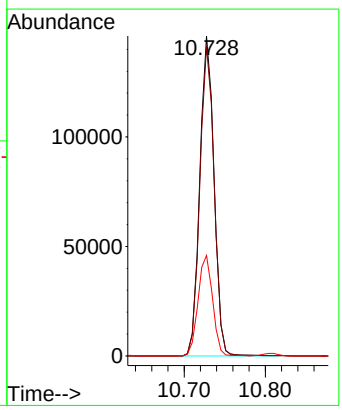


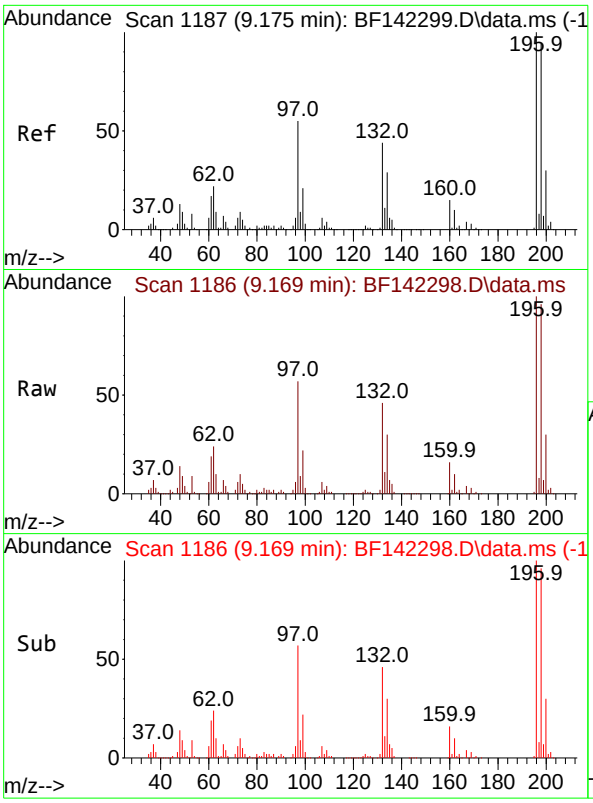


#42
2,4,6-Tribromophenol
Concen: 41.039 ng
RT: 10.728 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:330 Resp: 178075

Ion	Ratio	Lower	Upper
330	100		
332	97.0	76.8	115.2
141	32.1	24.9	37.3



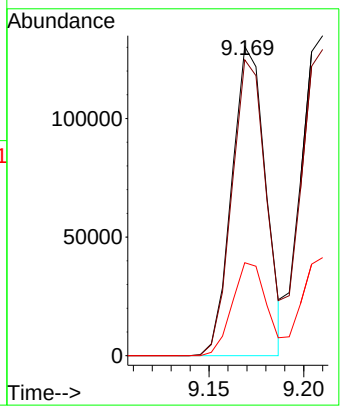


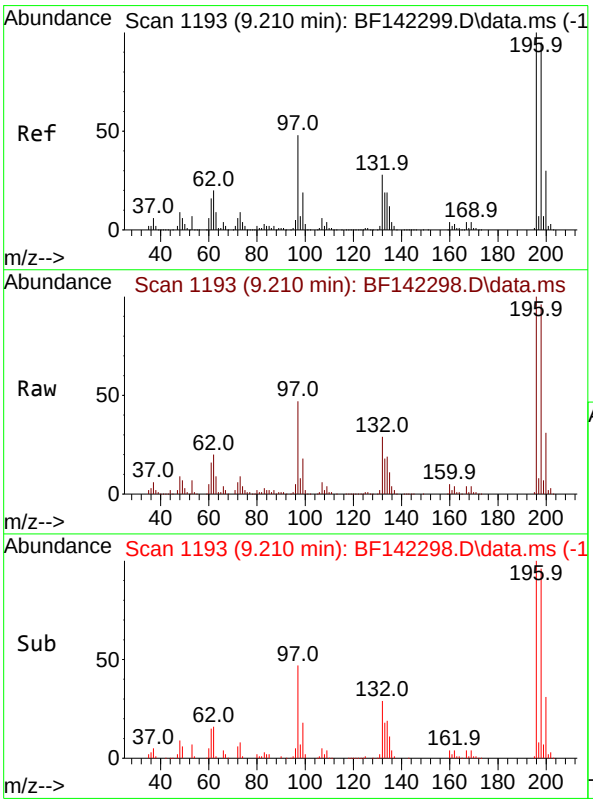
#43
2,4,6-Trichlorophenol
Concen: 20.426 ng
RT: 9.169 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:196 Resp: 161721

Ion	Ratio	Lower	Upper
196	100		
198	95.7	75.4	113.0
200	30.1	24.3	36.5

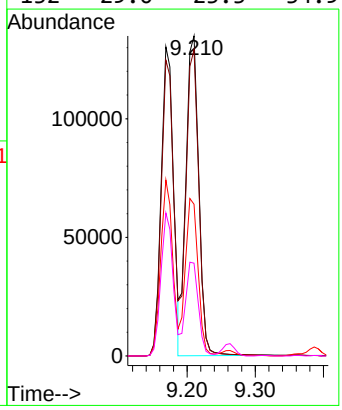


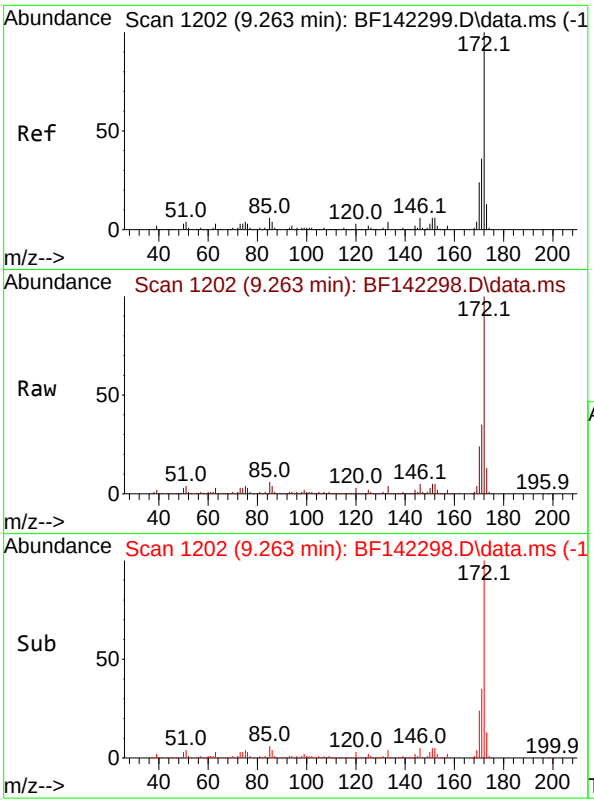


#44
2,4,5-Trichlorophenol
Concen: 20.829 ng
RT: 9.210 min Scan# 1193
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:196 Resp: 175468

Ion	Ratio	Lower	Upper
196	100		
198	95.7	76.1	114.1
97	47.4	39.0	58.4
132	29.0	23.3	34.9



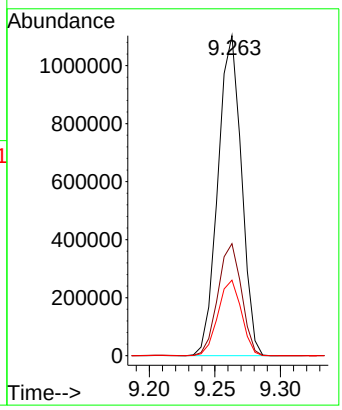


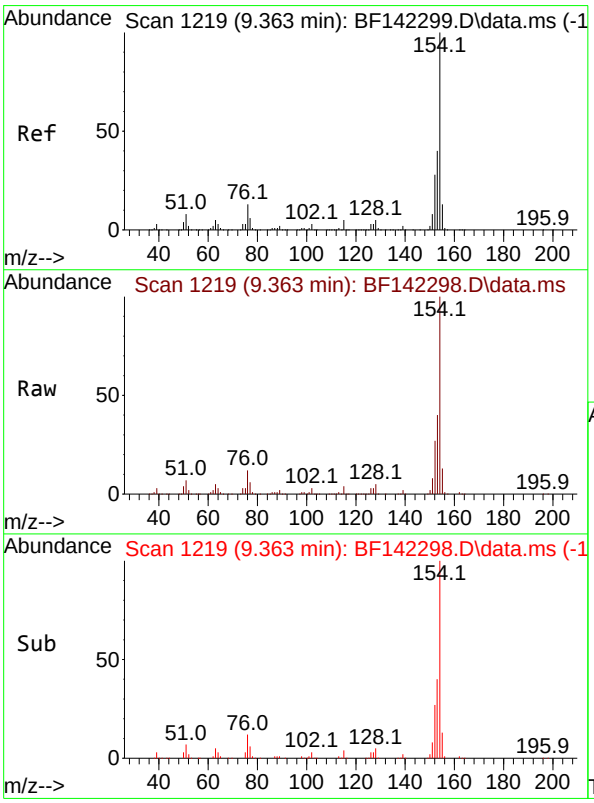
#45
2-Fluorobiphenyl
Concen: 43.691 ng
RT: 9.263 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:172 Resp: 1377117

Ion	Ratio	Lower	Upper
172	100		
171	35.0	28.6	42.8
170	23.6	19.0	28.4

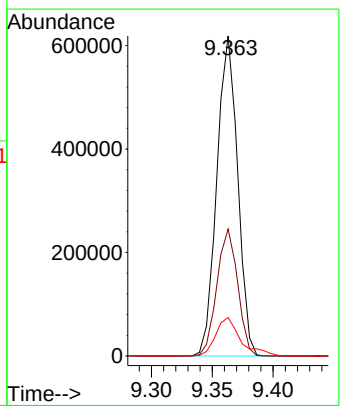


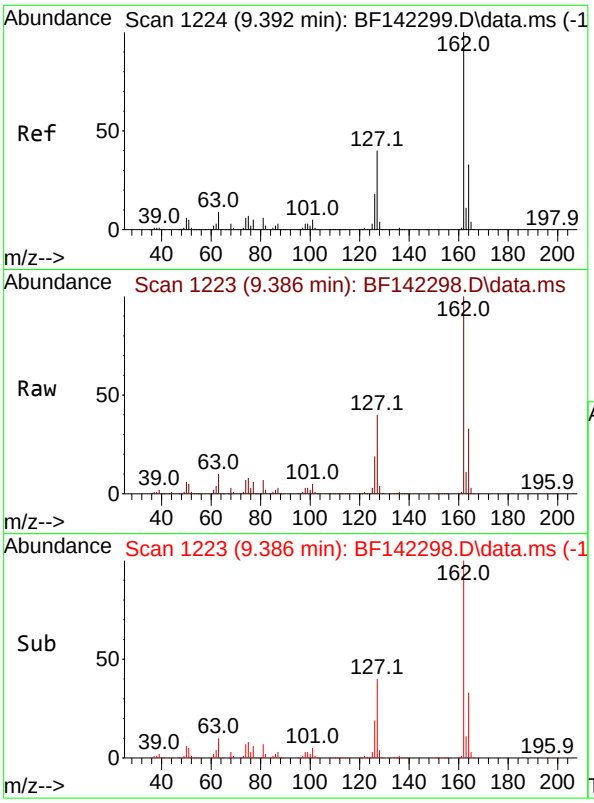


#46
1,1'-Biphenyl
Concen: 21.344 ng
RT: 9.363 min Scan# 1219
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:154 Resp: 735501

Ion	Ratio	Lower	Upper
154	100		
153	39.6	20.5	60.5
76	12.0	0.0	32.8



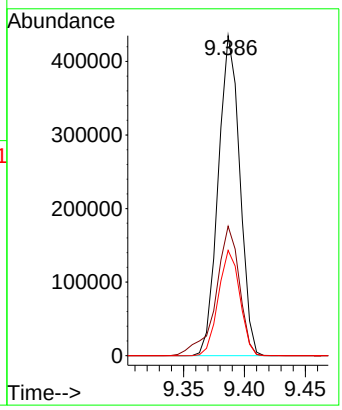


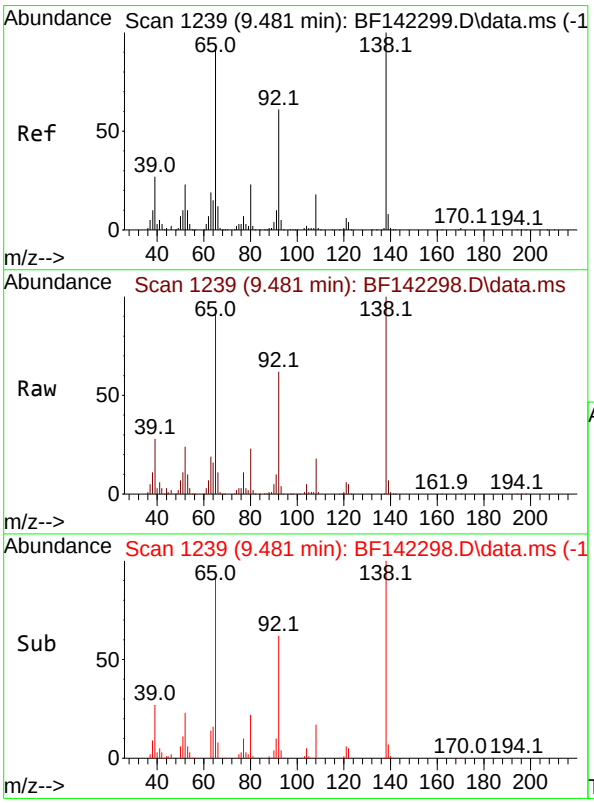
#47
2-Chloronaphthalene
Concen: 20.924 ng
RT: 9.386 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:162 Resp: 536203

Ion	Ratio	Lower	Upper
162	100		
127	40.5	32.3	48.5
164	32.9	26.6	40.0

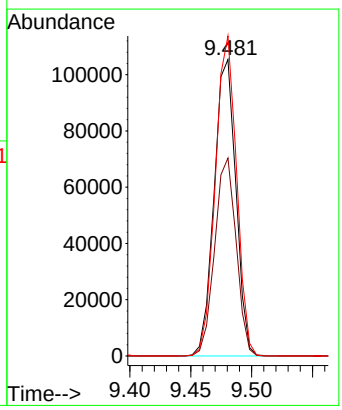


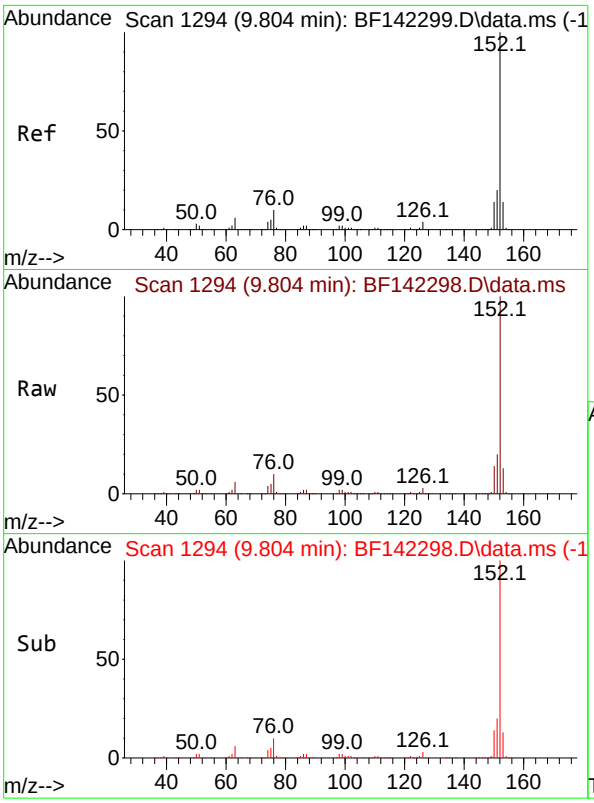


#48
2-Nitroaniline
Concen: 19.985 ng
RT: 9.481 min Scan# 1239
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion: 65 Resp: 131275

Ion	Ratio	Lower	Upper
65	100		
92	66.7	52.3	78.5
138	107.9	85.6	128.4



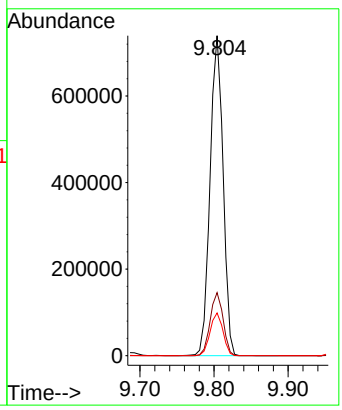


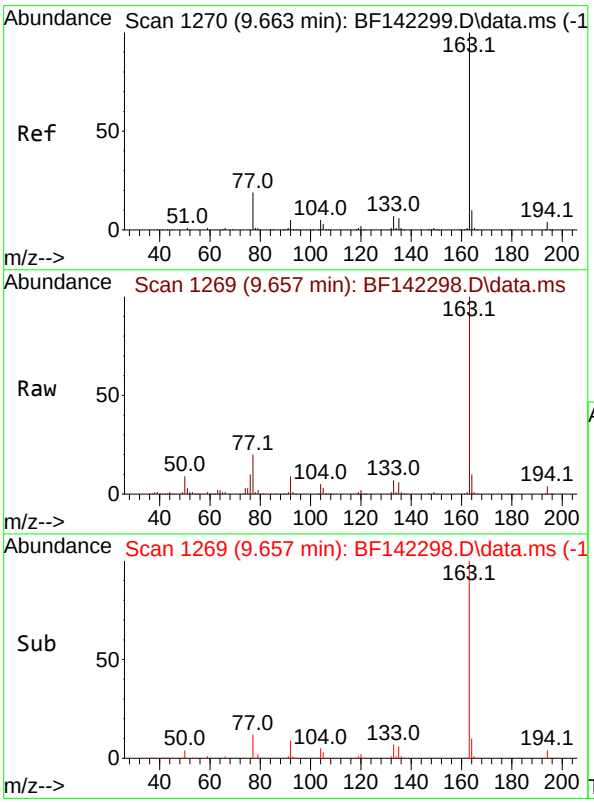
#49
Acenaphthylene
Concen: 21.063 ng
RT: 9.804 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:152 Resp: 902949

Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.0	24.0
153	13.3	10.8	16.2

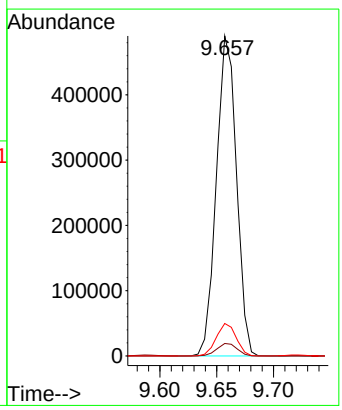


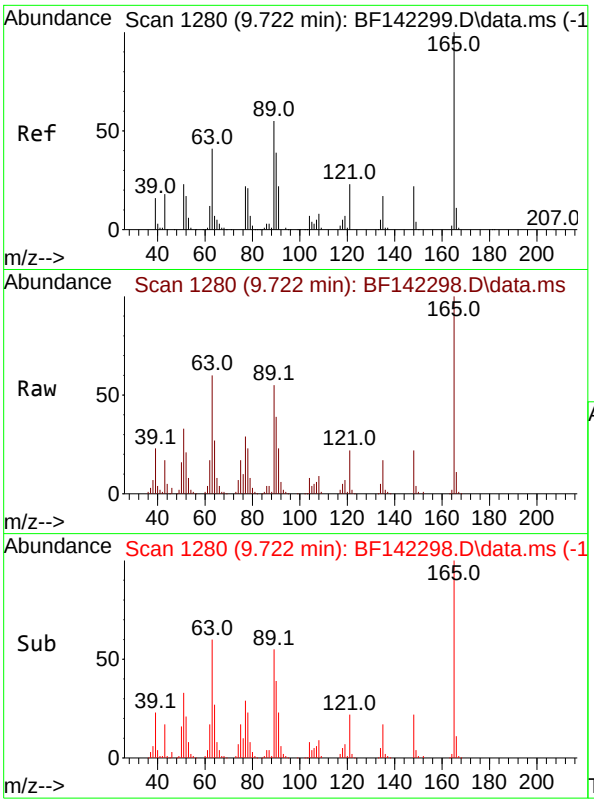


#50
Dimethylphthalate
Concen: 20.930 ng
RT: 9.657 min Scan# 1269
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:163 Resp: 604026

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.2	4.8
164	10.2	8.3	12.5



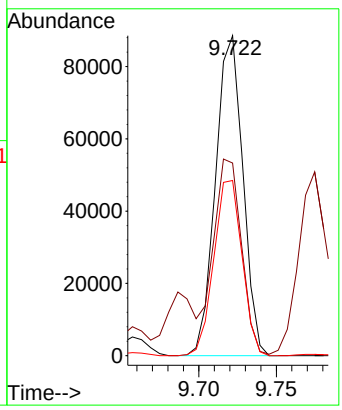


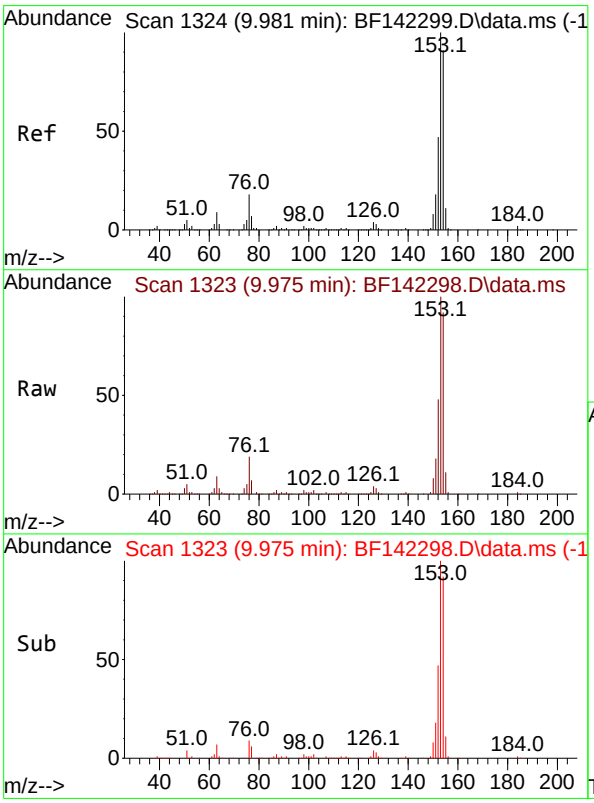
#51
2,6-Dinitrotoluene
Concen: 20.163 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 108919

Ion	Ratio	Lower	Upper
165	100		
63	60.2	49.5	74.3
89	54.7	44.6	66.8

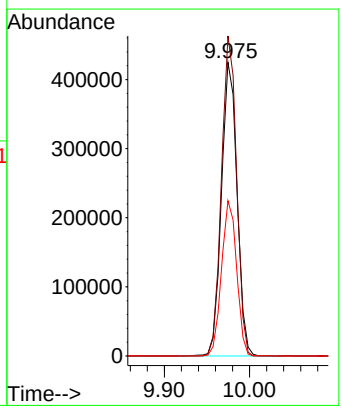


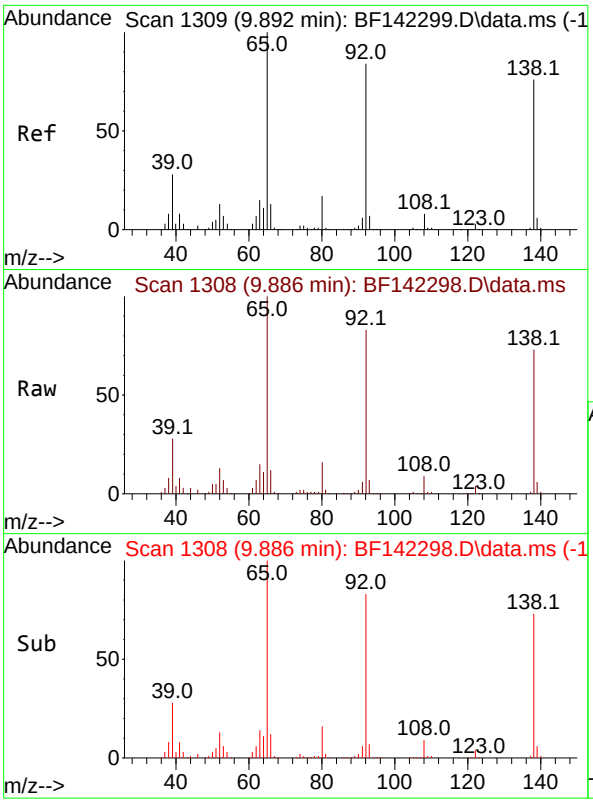


#52
Acenaphthene
Concen: 20.925 ng
RT: 9.975 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:154 Resp: 539391

Ion	Ratio	Lower	Upper
154	100		
153	109.0	88.0	132.0
152	52.8	41.6	62.4



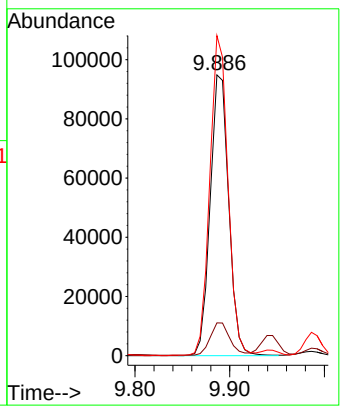


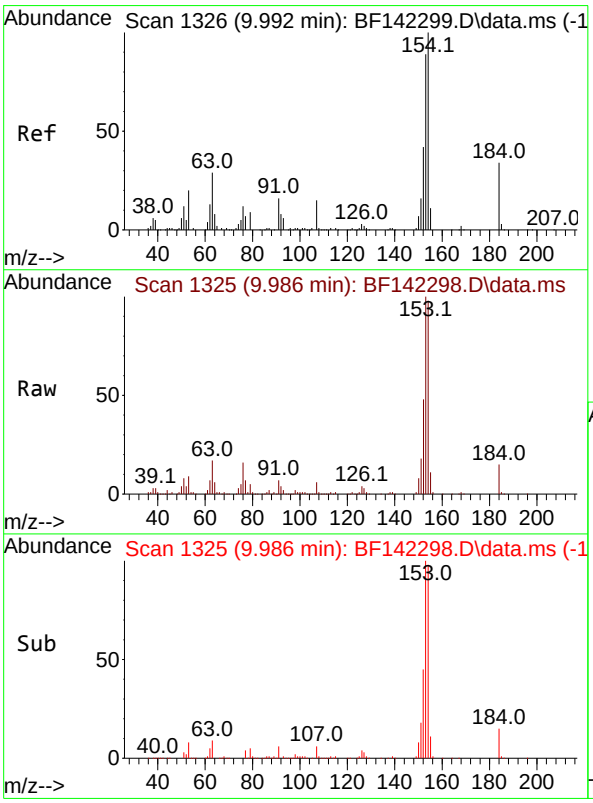
#53
3-Nitroaniline
Concen: 20.431 ng
RT: 9.886 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:138 Resp: 129439

Ion	Ratio	Lower	Upper
138	100		
108	11.7	8.7	13.1
92	114.0	89.5	134.3

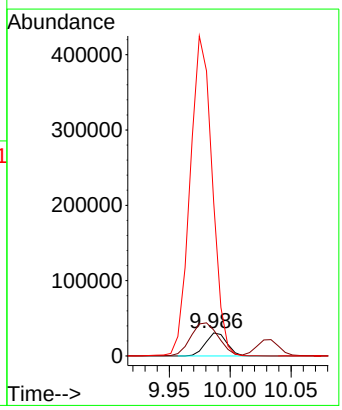


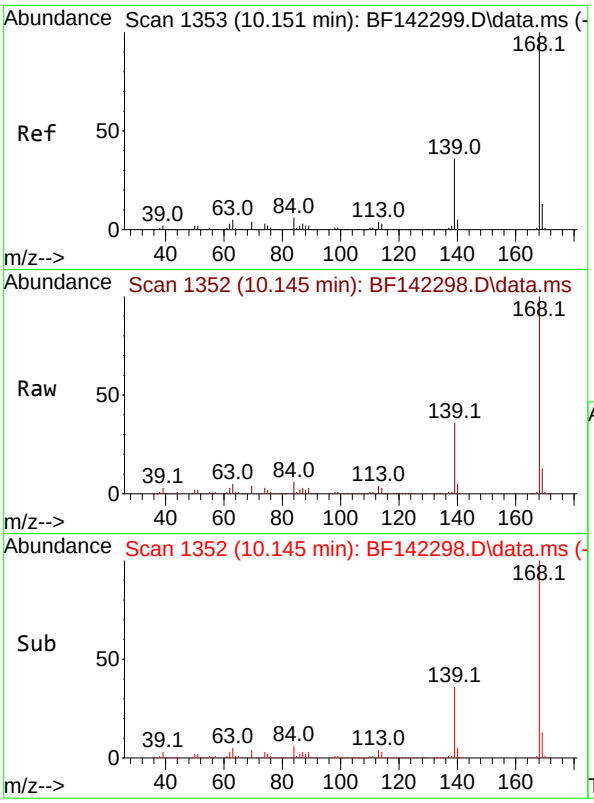


#54
2,4-Dinitrophenol
Concen: 19.641 ng
RT: 9.986 min Scan# 1325
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:184 Resp: 37439

Ion	Ratio	Lower	Upper
184	100		
63	112.9	70.6	105.8#
154	667.4	257.2	385.8#



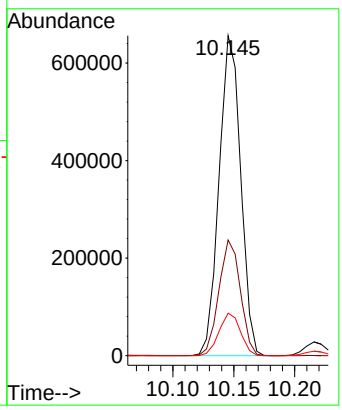


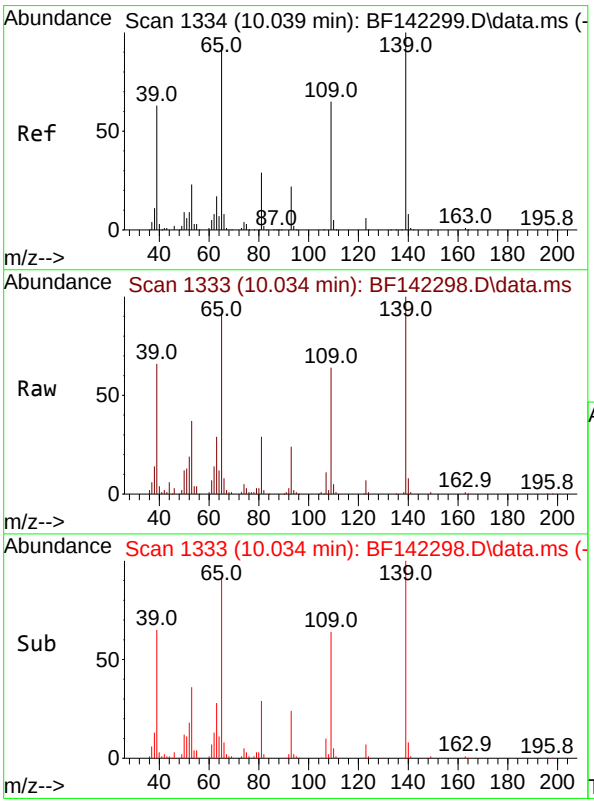
#55
Dibenzofuran
Concen: 21.274 ng
RT: 10.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:168 Resp: 809325

Ion	Ratio	Lower	Upper
168	100		
139	36.1	29.0	43.4
169	13.3	10.7	16.1

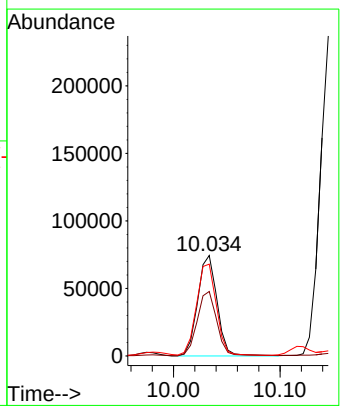


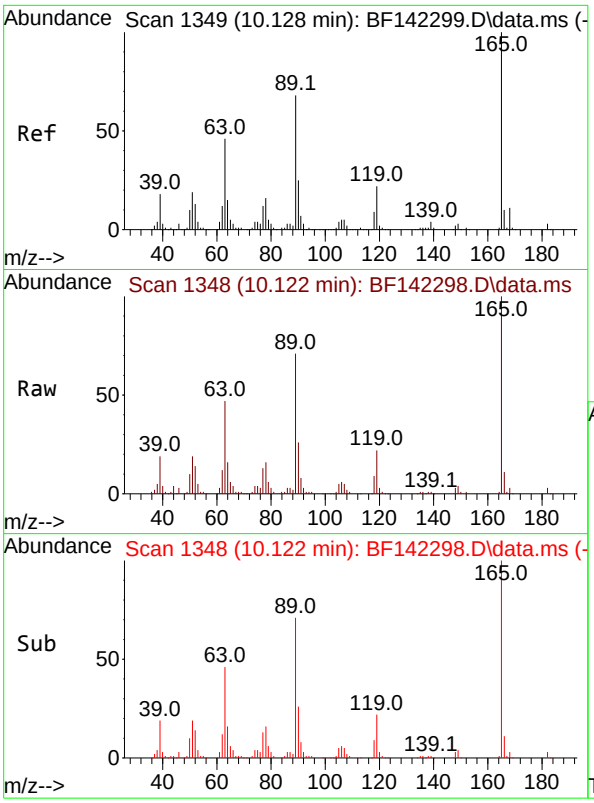


#56
4-Nitrophenol
Concen: 19.802 ng
RT: 10.034 min Scan# 1333
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:139 Resp: 94419

Ion	Ratio	Lower	Upper
139	100		
109	64.1	45.3	85.3
65	91.3	73.9	113.9



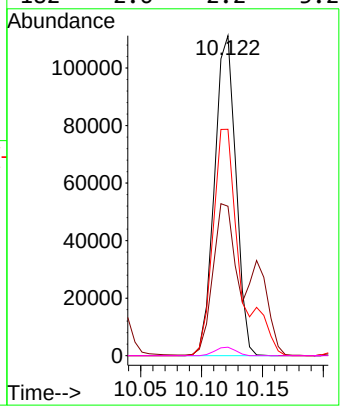


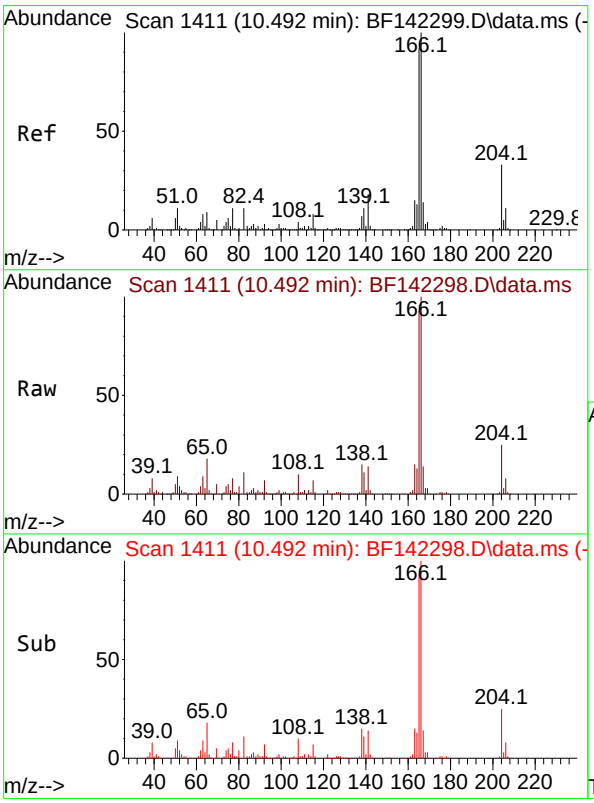
#57
2,4-Dinitrotoluene
Concen: 19.647 ng
RT: 10.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:165 Resp: 136138

Ion	Ratio	Lower	Upper
165	100		
63	46.7	37.1	55.7
89	70.8	54.4	81.6
182	2.6	2.2	3.2

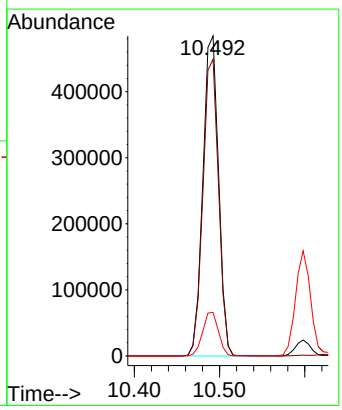


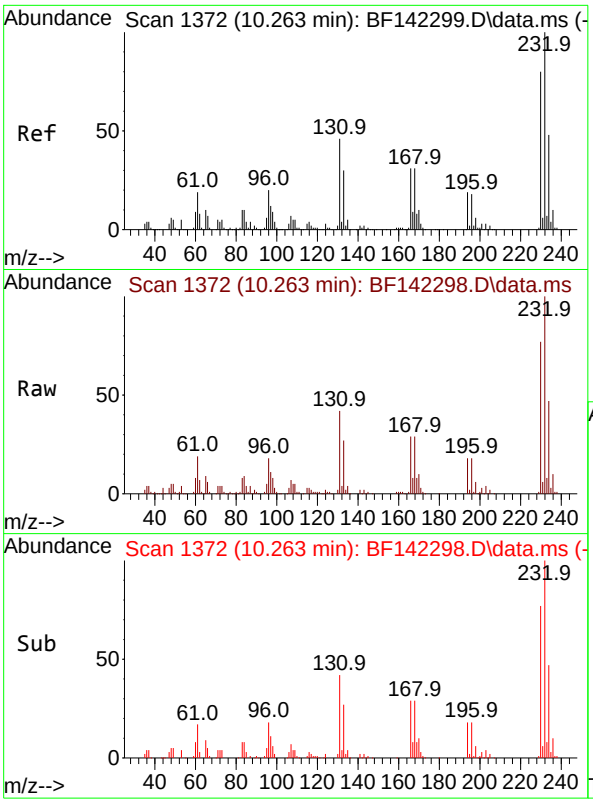


#58
Fluorene
Concen: 21.273 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:166 Resp: 617592

Ion	Ratio	Lower	Upper
166	100		
165	92.7	74.0	111.0
167	13.6	10.9	16.3



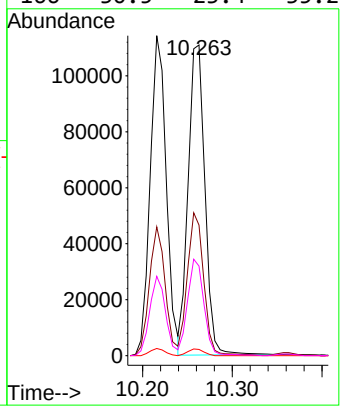


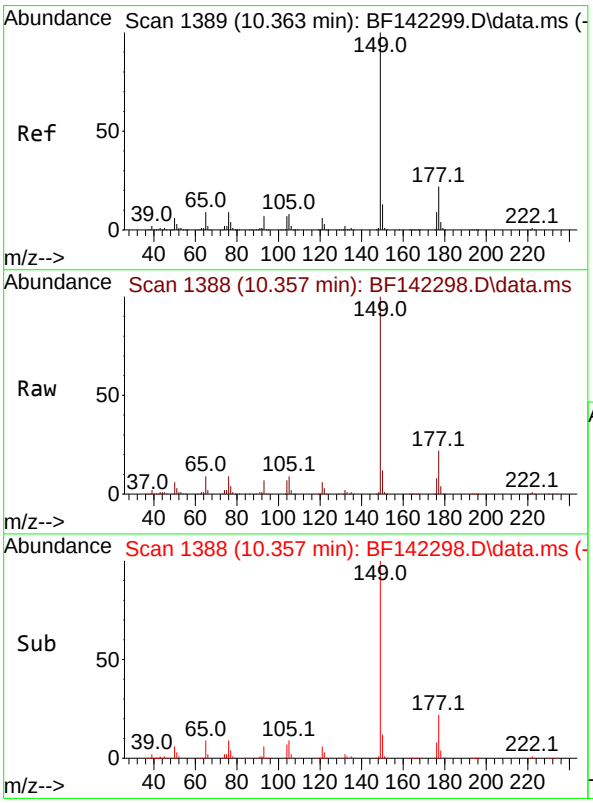
#59
2,3,4,6-Tetrachlorophenol
Concen: 20.664 ng
RT: 10.263 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:232 Resp: 143706

Ion	Ratio	Lower	Upper
232	100		
131	45.0	36.0	54.0
130	2.1	1.8	2.6
166	30.5	23.4	35.2

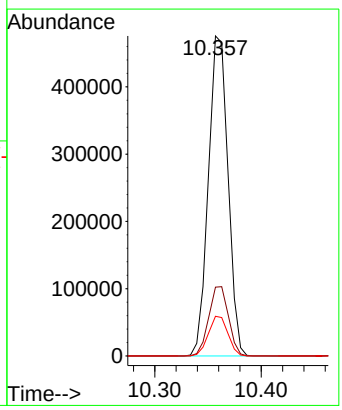


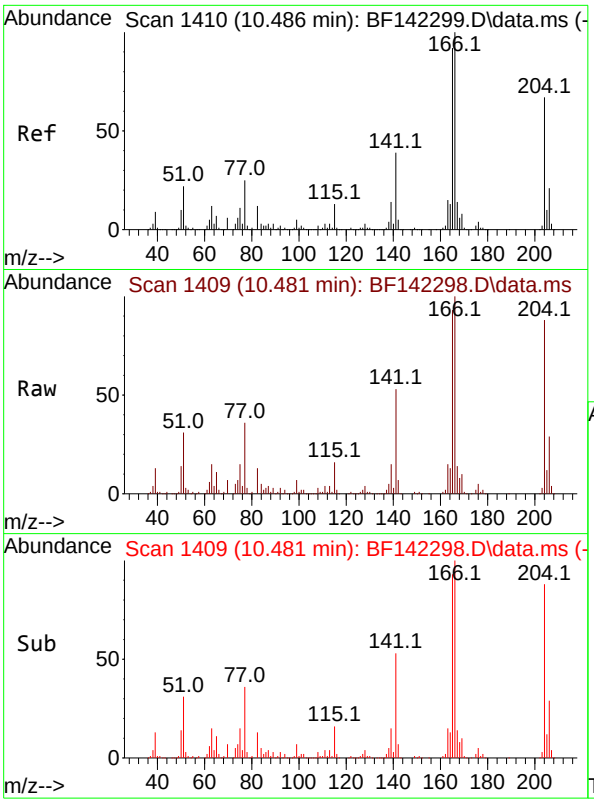


#60
Diethylphthalate
Concen: 21.134 ng
RT: 10.357 min Scan# 1388
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:149 Resp: 609078

Ion	Ratio	Lower	Upper
149	100		
177	21.5	17.6	26.4
150	12.4	10.1	15.1



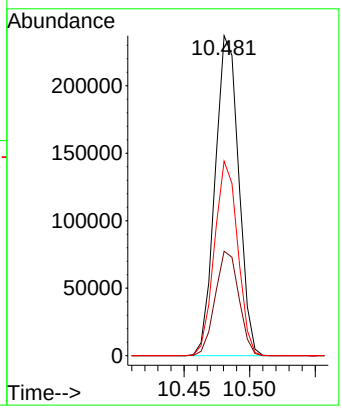


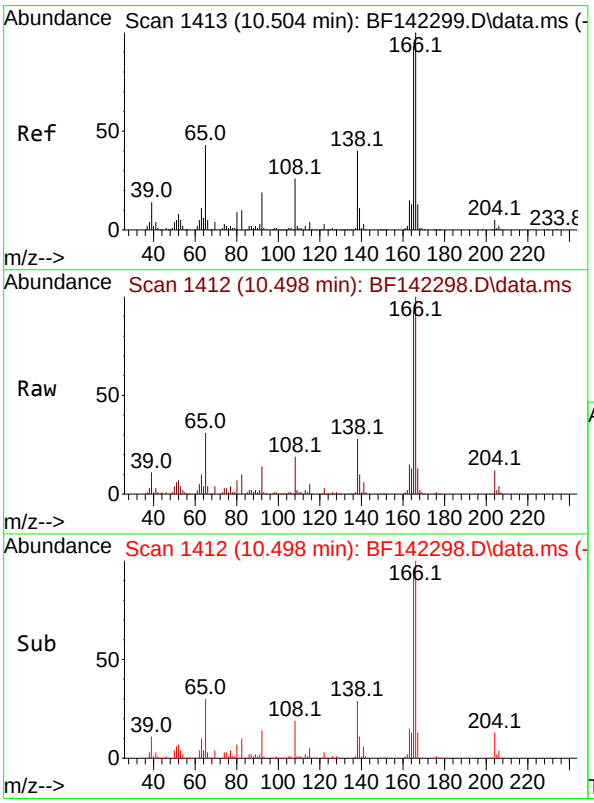
#61
4-Chlorophenyl-phenylether
Concen: 21.116 ng
RT: 10.481 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:204 Resp: 295765

Ion	Ratio	Lower	Upper
204	100		
206	32.6	25.5	38.3
141	60.8	46.4	69.6

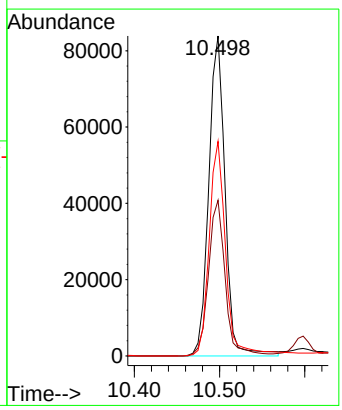


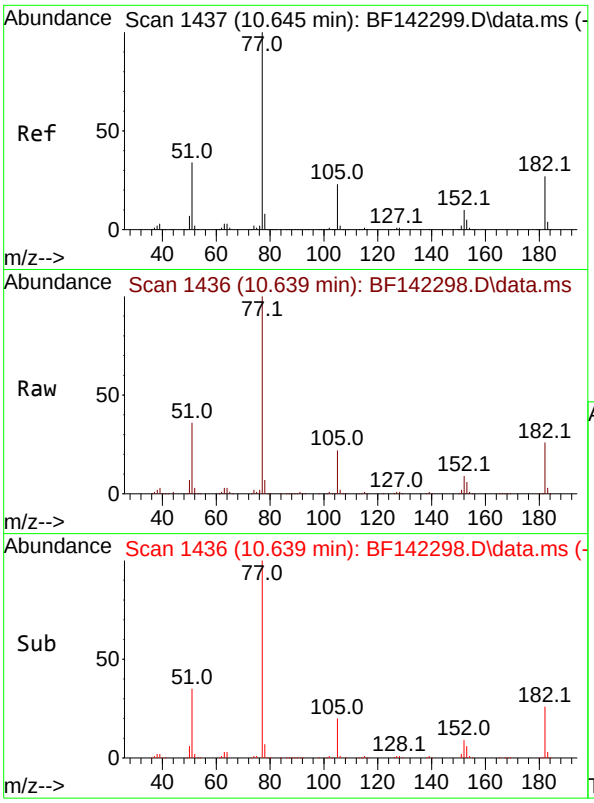


#62
4-Nitroaniline
Concen: 22.228 ng
RT: 10.498 min Scan# 1412
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:138 Resp: 111613

Ion	Ratio	Lower	Upper
138	100		
92	48.7	27.3	67.3
108	67.0	45.1	85.1



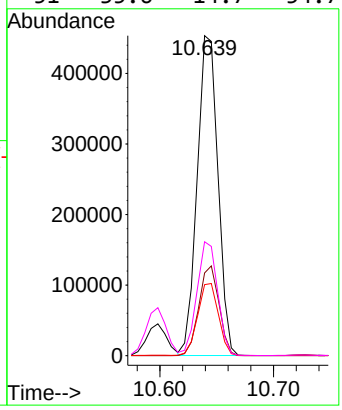


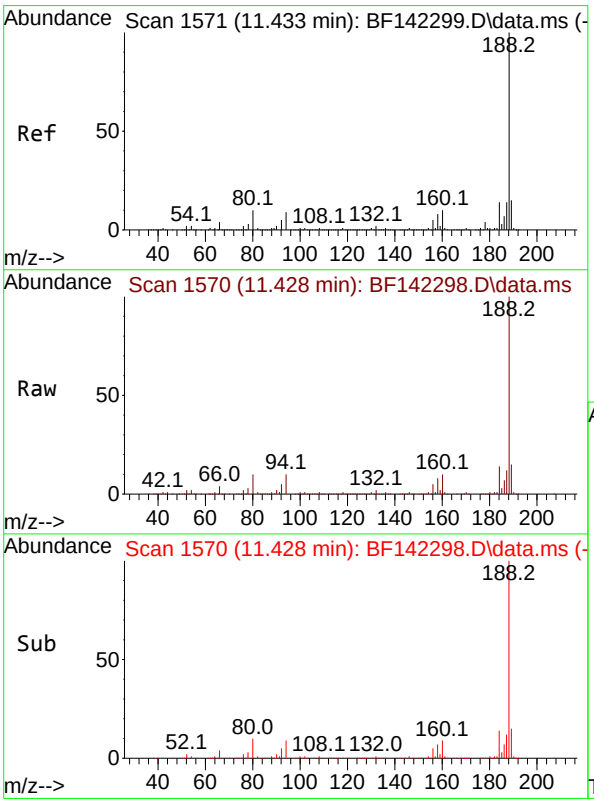
#63
Azobenzene
Concen: 20.964 ng
RT: 10.639 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 77 Resp: 577345

Ion	Ratio	Lower	Upper
77	100		
182	25.8	6.9	46.9
105	22.2	2.7	42.7
51	35.6	14.7	54.7

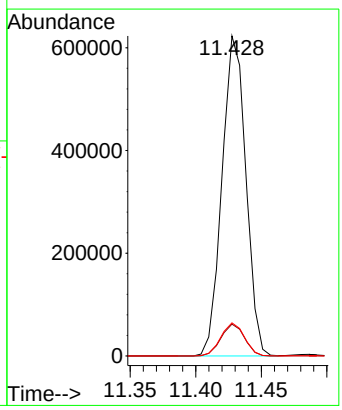


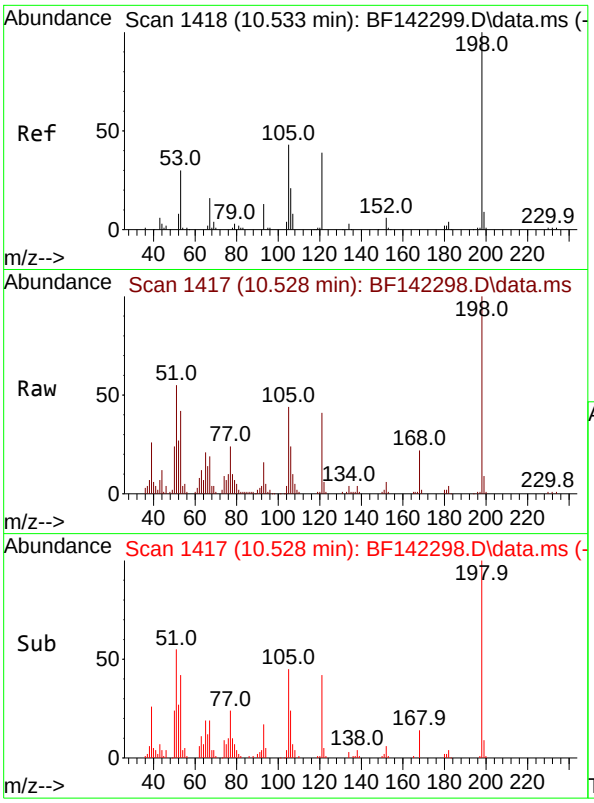


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:188 Resp: 788283

Ion	Ratio	Lower	Upper
188	100		
94	10.0	7.5	11.3
80	10.4	7.9	11.9



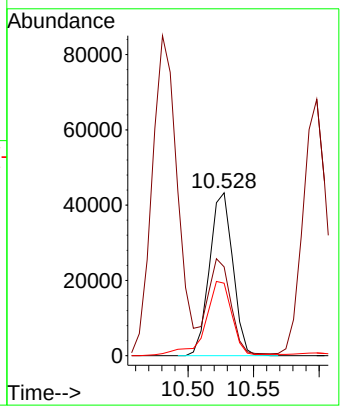


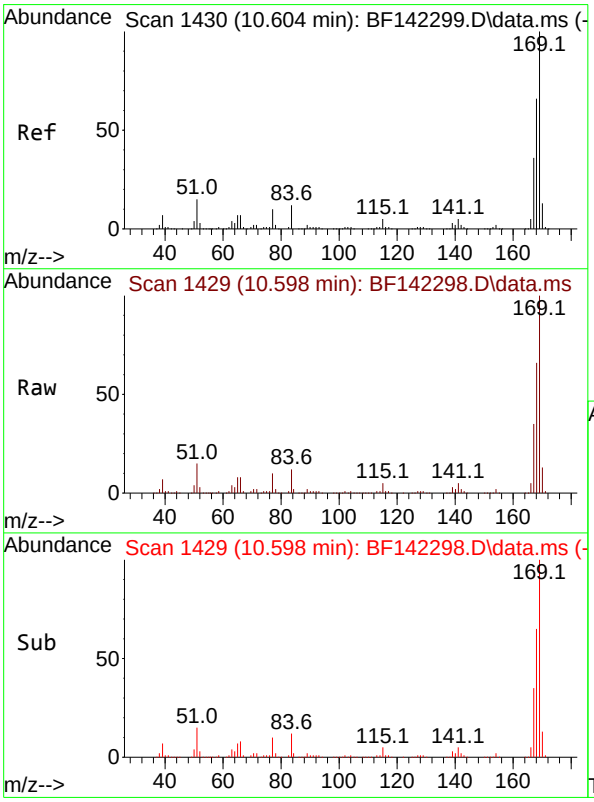
#65
4,6-Dinitro-2-methylphenol
Concen: 19.555 ng
RT: 10.528 min Scan# 14
Delta R.T. -0.005 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:198 Resp: 53454

Ion	Ratio	Lower	Upper
198	100		
51	54.5	32.9	72.9
105	44.5	23.7	63.7

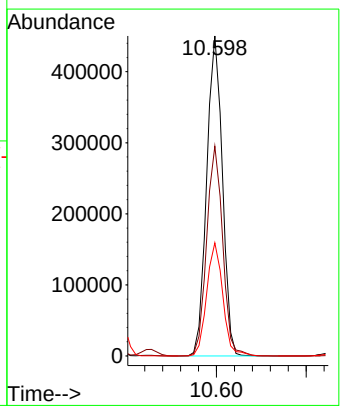


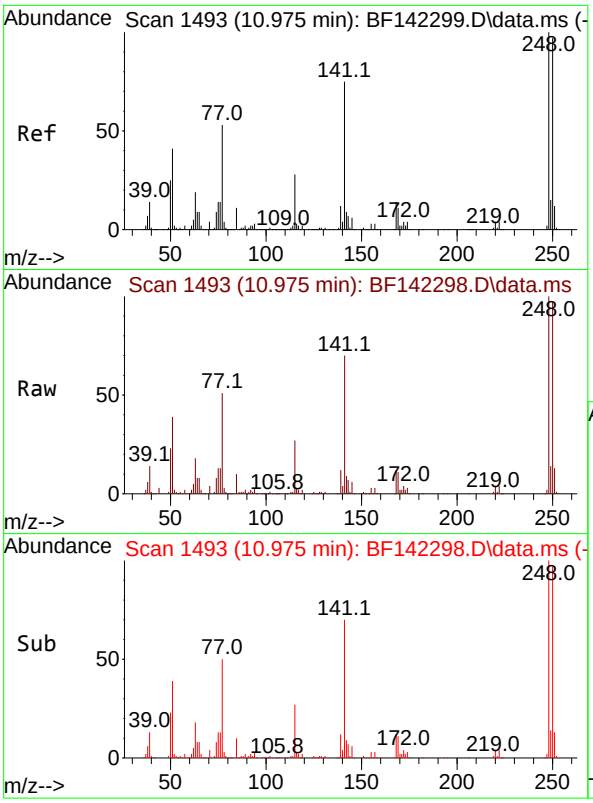


#66
n-Nitrosodiphenylamine
Concen: 20.811 ng
RT: 10.598 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:169 Resp: 545886

Ion	Ratio	Lower	Upper
169	100		
168	65.6	53.2	79.8
167	35.3	28.9	43.3



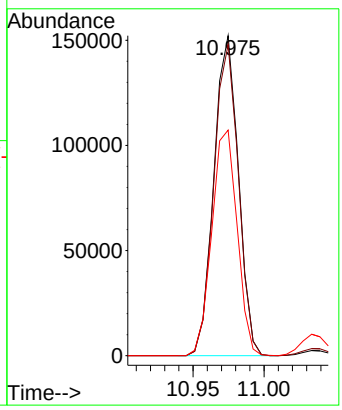


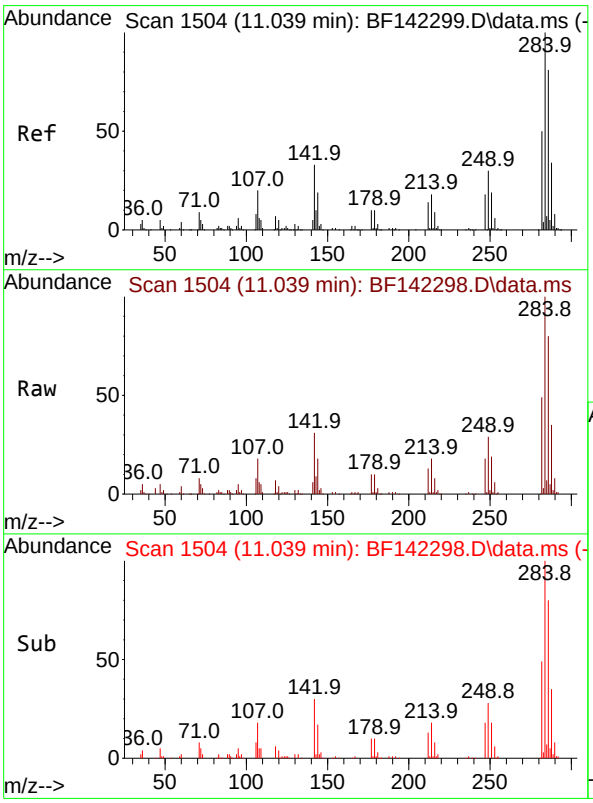
#67
4-Bromophenyl-phenylether
Concen: 20.459 ng
RT: 10.975 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:248 Resp: 182781

Ion	Ratio	Lower	Upper
248	100		
250	97.3	77.9	116.9
141	70.5	59.8	89.8

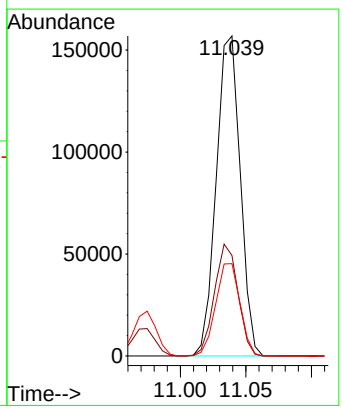


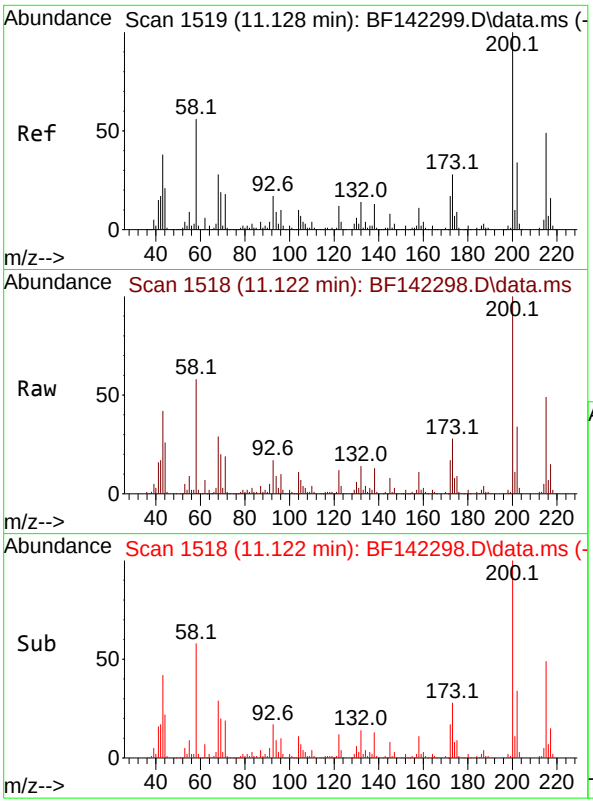


#68
Hexachlorobenzene
Concen: 20.307 ng
RT: 11.039 min Scan# 1504
Delta R.T. 0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:284 Resp: 199561

Ion	Ratio	Lower	Upper
284	100		
142	31.4	26.6	39.8
249	28.9	24.1	36.1



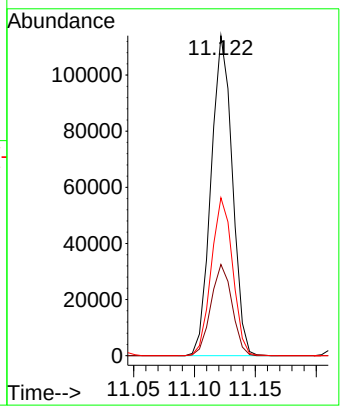


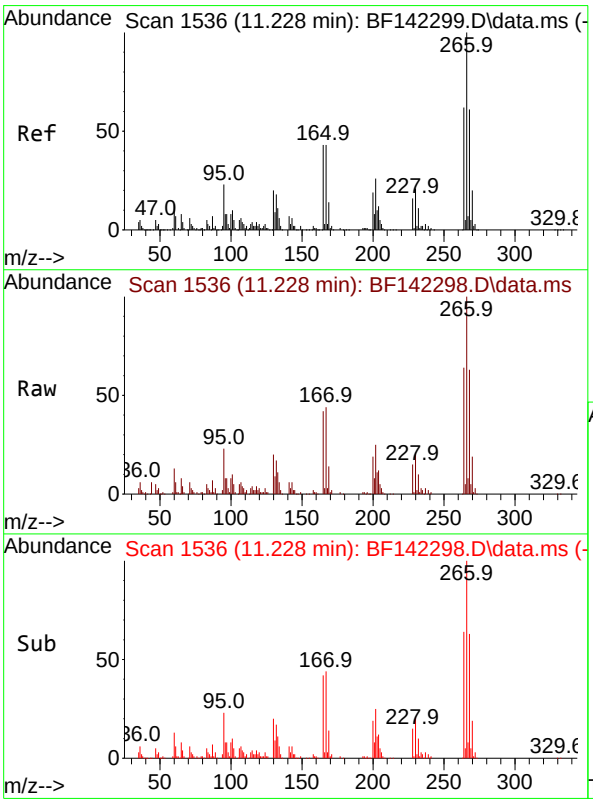
#69
Atrazine
Concen: 20.082 ng
RT: 11.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:200 Resp: 138860

Ion	Ratio	Lower	Upper
200	100		
173	28.5	8.1	48.1
215	49.3	28.8	68.8

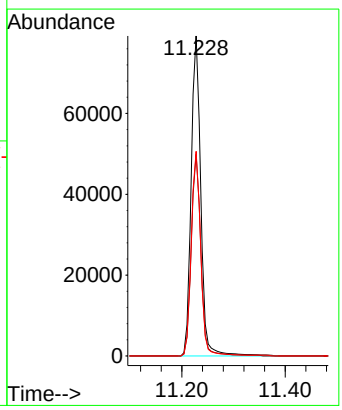


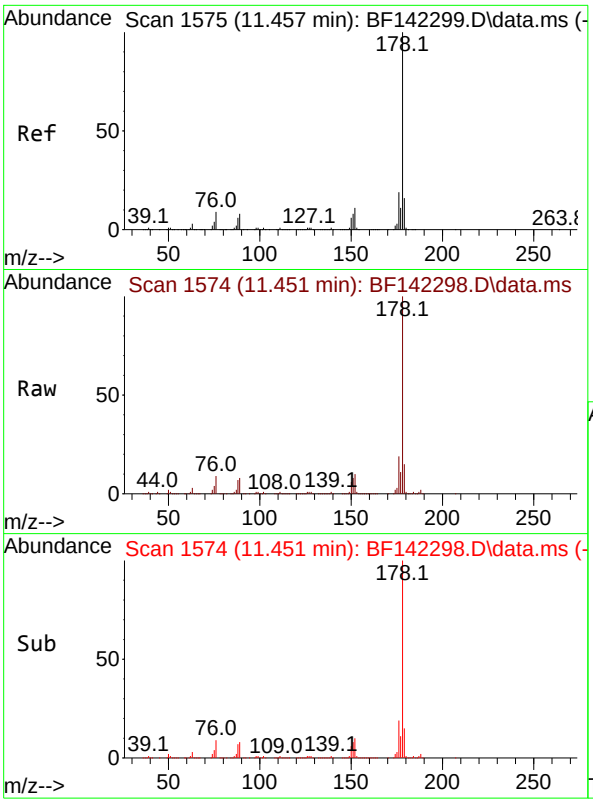


#70
Pentachlorophenol
Concen: 19.845 ng
RT: 11.228 min Scan# 1536
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:266 Resp: 102593

Ion	Ratio	Lower	Upper
266	100		
268	63.0	48.7	73.1
264	63.9	49.8	74.6



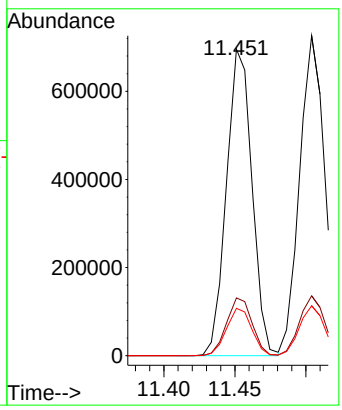


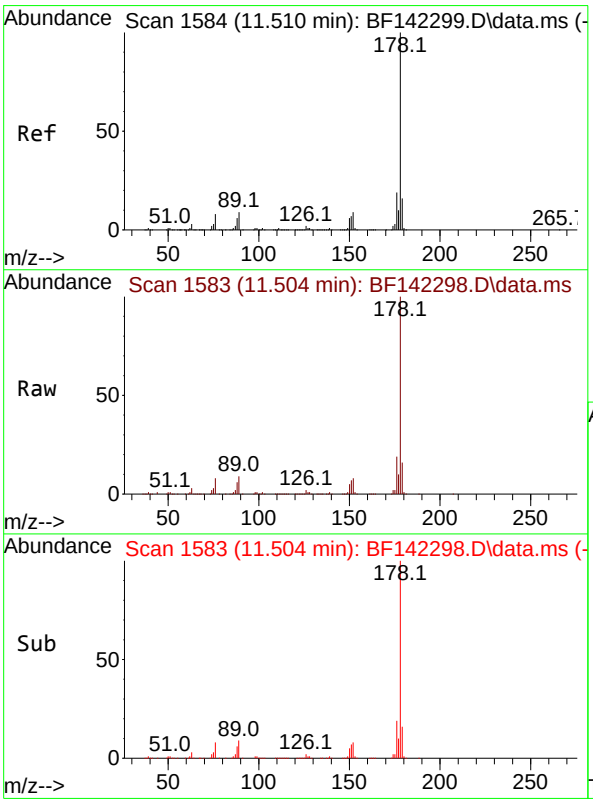
#71
Phenanthrene
Concen: 21.083 ng
RT: 11.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:178 Resp: 871138

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.5	23.3
179	15.5	12.6	18.8

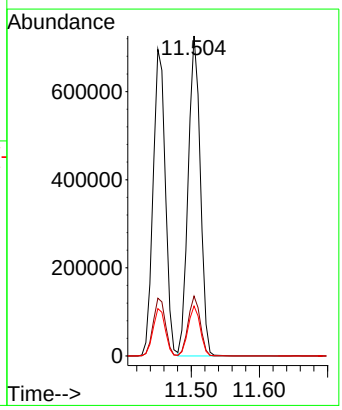


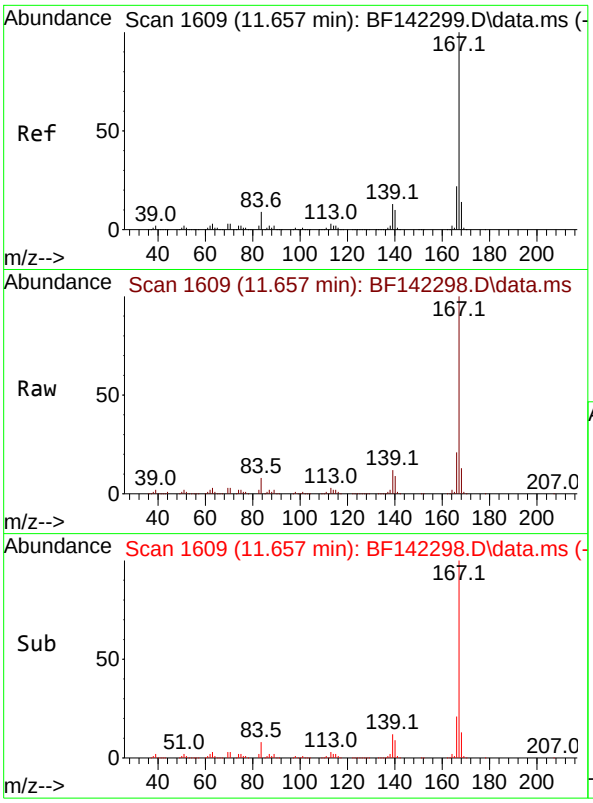


#72
Anthracene
Concen: 21.056 ng
RT: 11.504 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:178 Resp: 893968

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.3	22.9
179	15.6	12.6	18.8



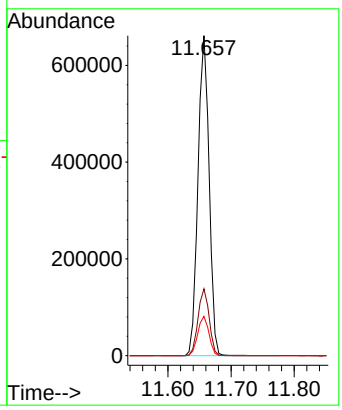


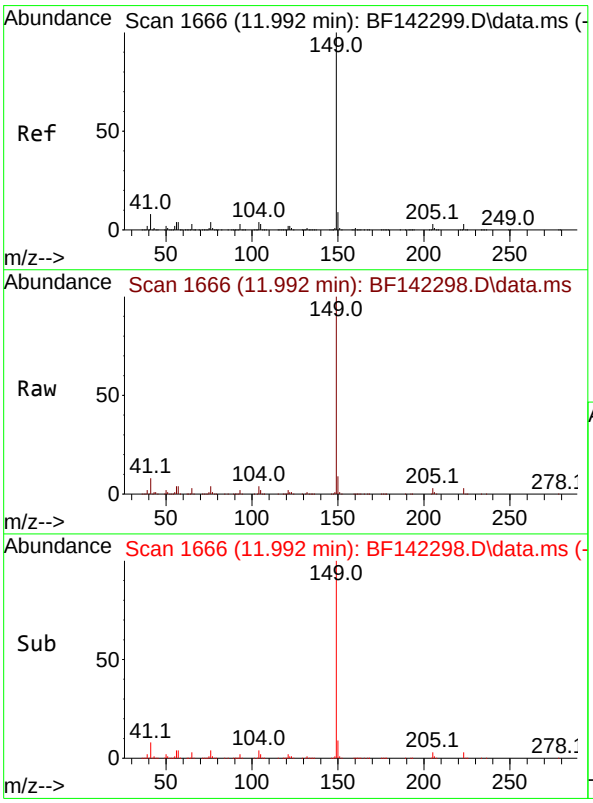
#73
Carbazole
Concen: 21.189 ng
RT: 11.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:167 Resp: 807082

Ion	Ratio	Lower	Upper
167	100		
166	20.9	17.2	25.8
139	12.3	10.3	15.5

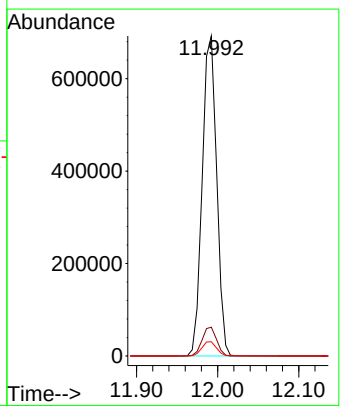


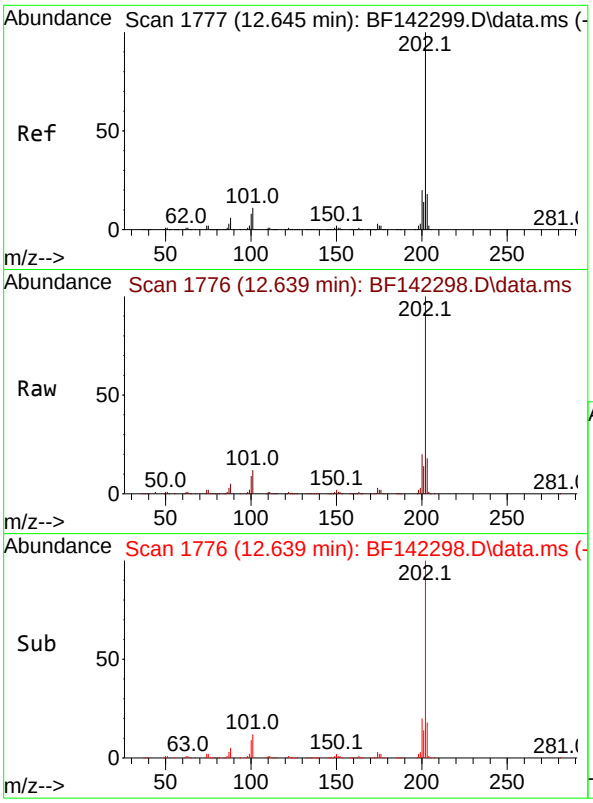


#74
Di-n-butylphthalate
Concen: 21.293 ng
RT: 11.992 min Scan# 1666
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:149 Resp: 852839

Ion	Ratio	Lower	Upper
149	100		
150	9.0	7.5	11.3
104	4.4	3.6	5.4



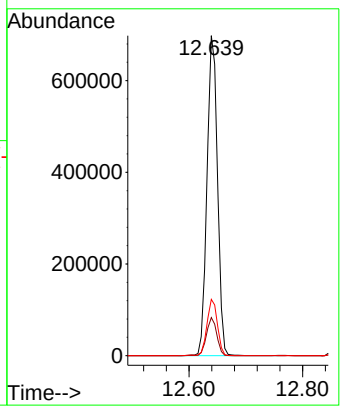


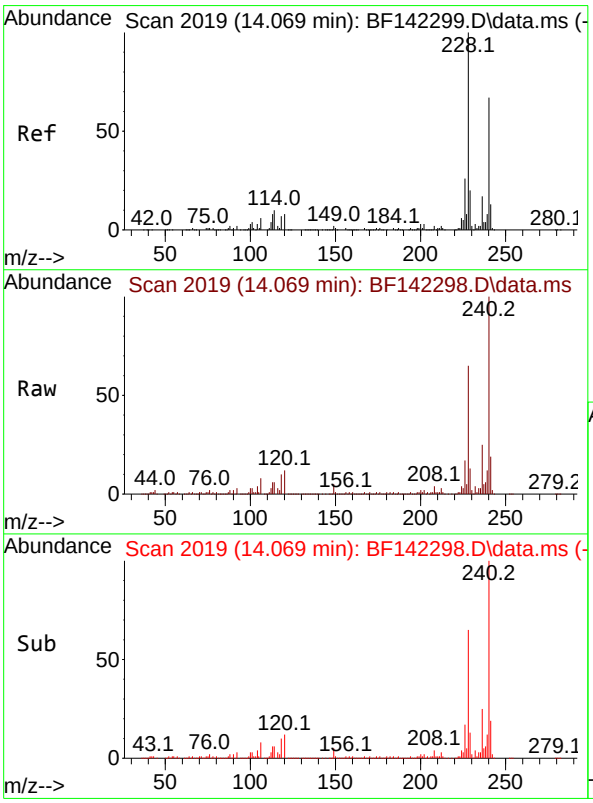
#75
Fluoranthene
Concen: 21.523 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:202 Resp: 888973

Ion	Ratio	Lower	Upper
202	100		
101	11.9	0.0	31.4
203	17.6	0.0	37.9

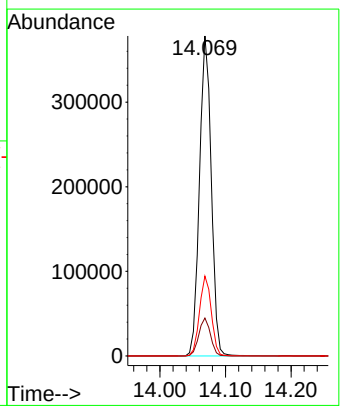


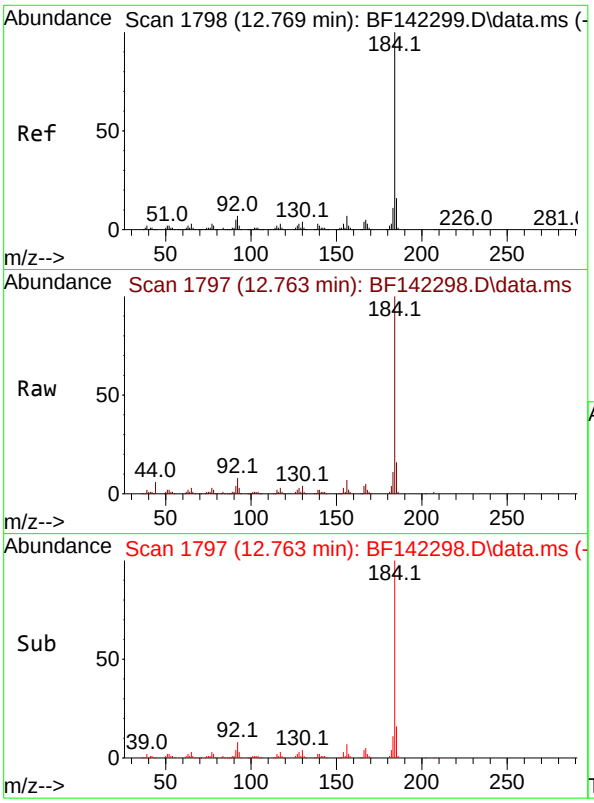


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:240 Resp: 473278

Ion	Ratio	Lower	Upper
240	100		
120	11.8	9.7	14.5
236	25.0	20.0	30.0



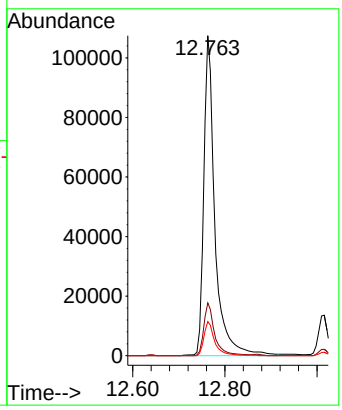


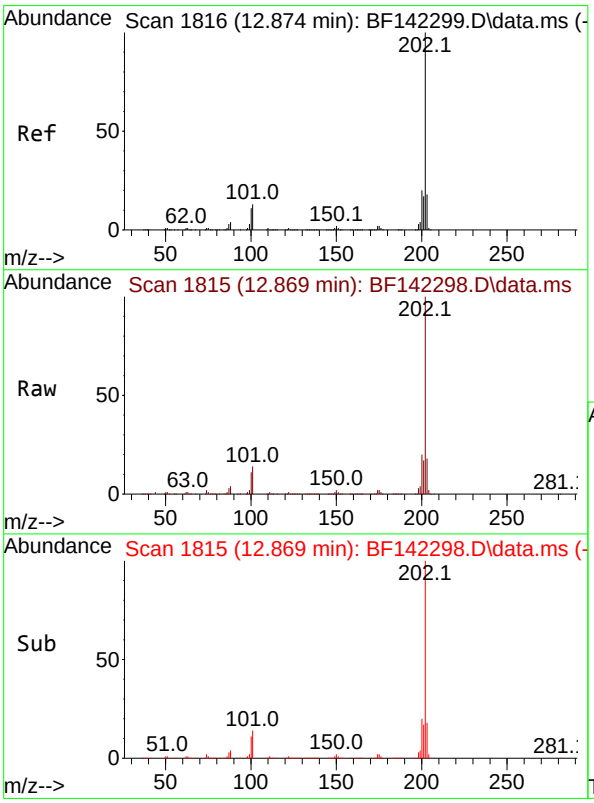
#77
Benzidine
Concen: 21.110 ng
RT: 12.763 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:184 Resp: 181563

Ion	Ratio	Lower	Upper
184	100		
185	16.5	12.6	18.8
183	10.7	8.6	12.8

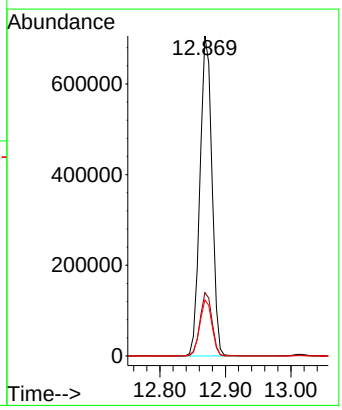


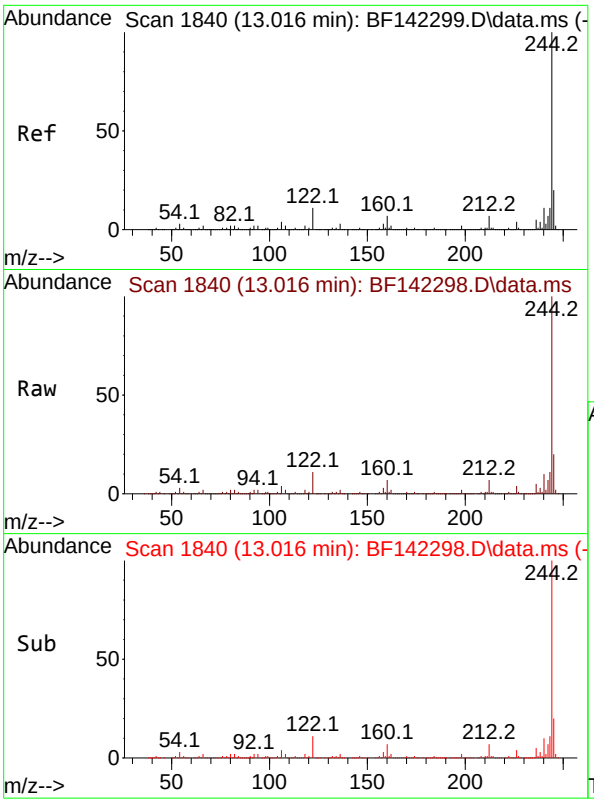


#78
Pyrene
Concen: 21.373 ng
RT: 12.869 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:202 Resp: 900375

Ion	Ratio	Lower	Upper
202	100		
200	19.8	16.2	24.4
203	17.5	14.3	21.5



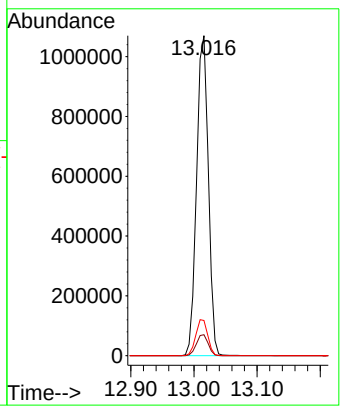


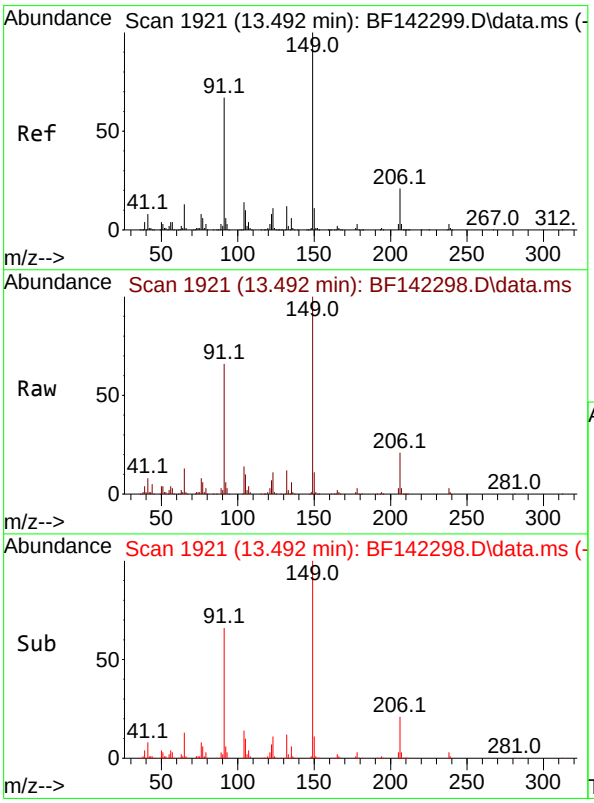
#79
Terphenyl-d14
Concen: 43.222 ng
RT: 13.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:244 Resp: 1382069

Ion	Ratio	Lower	Upper
244	100		
212	6.6	5.4	8.2
122	11.0	9.0	13.4

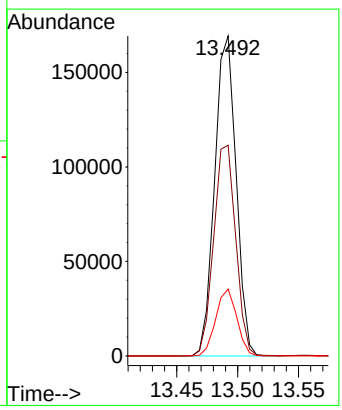


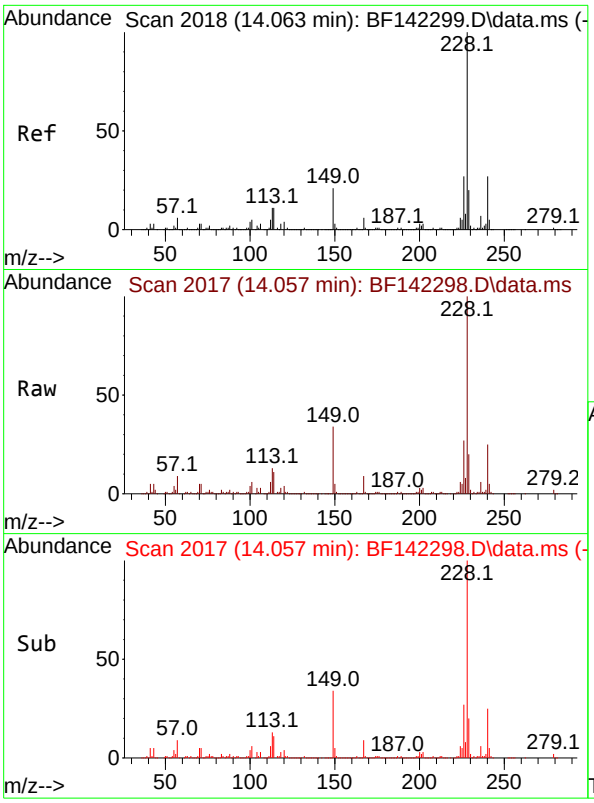


#80
Butylbenzylphthalate
Concen: 19.258 ng
RT: 13.492 min Scan# 1921
Delta R.T. 0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:149 Resp: 207602

Ion	Ratio	Lower	Upper
149	100		
91	65.8	53.8	80.6
206	20.9	16.6	24.8



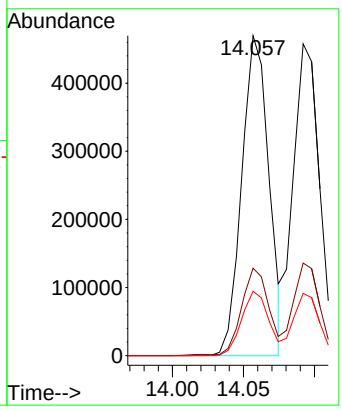


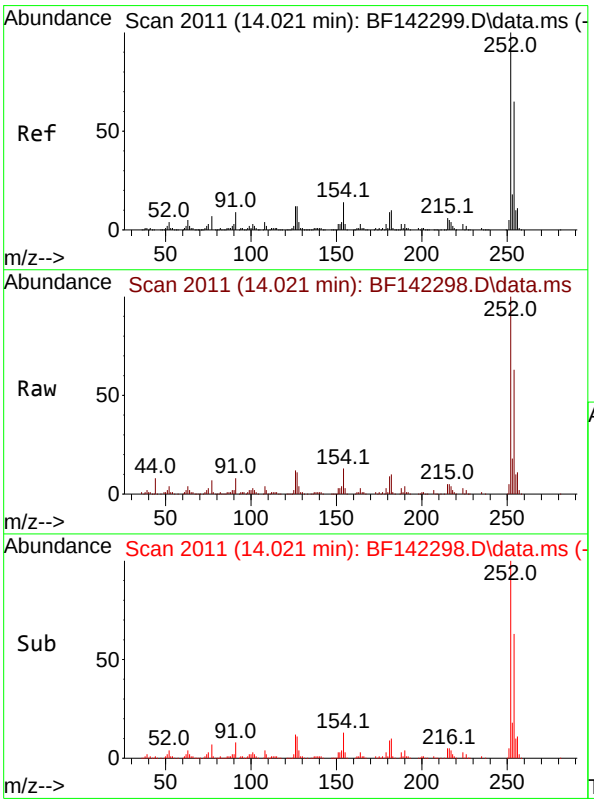
#81
Benzo(a)anthracene
Concen: 20.336 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 623286

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.5	32.3
229	20.2	15.9	23.9

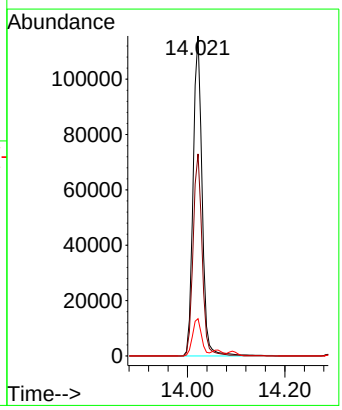


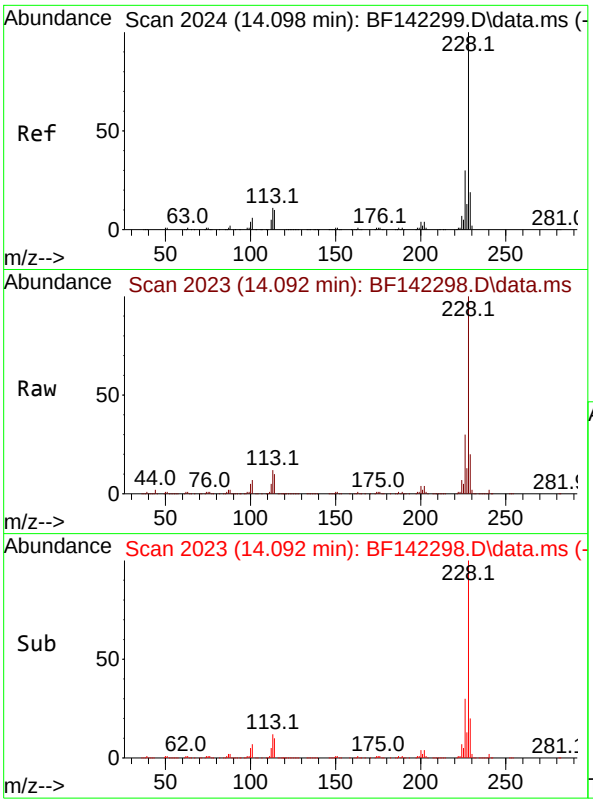


#82
3,3'-Dichlorobenzidine
Concen: 20.978 ng
RT: 14.021 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:252 Resp: 149520

Ion	Ratio	Lower	Upper
252	100		
254	63.2	52.0	78.0
126	11.7	9.7	14.5



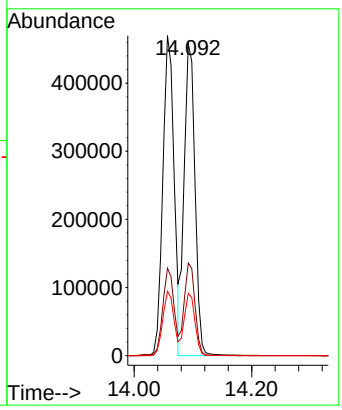


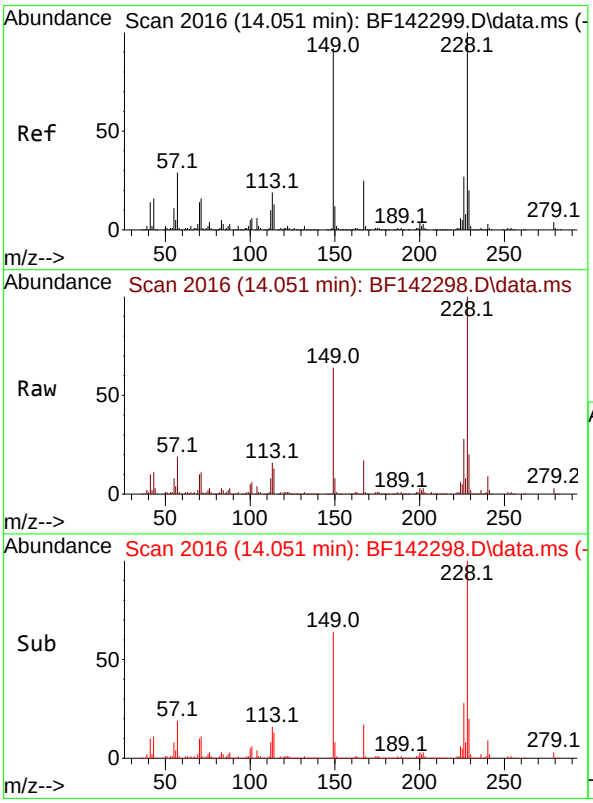
#83
Chrysene
Concen: 20.676 ng
RT: 14.092 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 589961

Ion	Ratio	Lower	Upper
228	100		
226	29.7	23.9	35.9
229	19.9	15.4	23.2

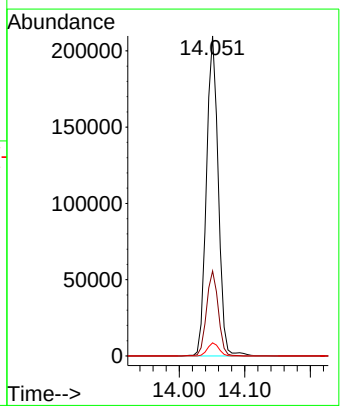


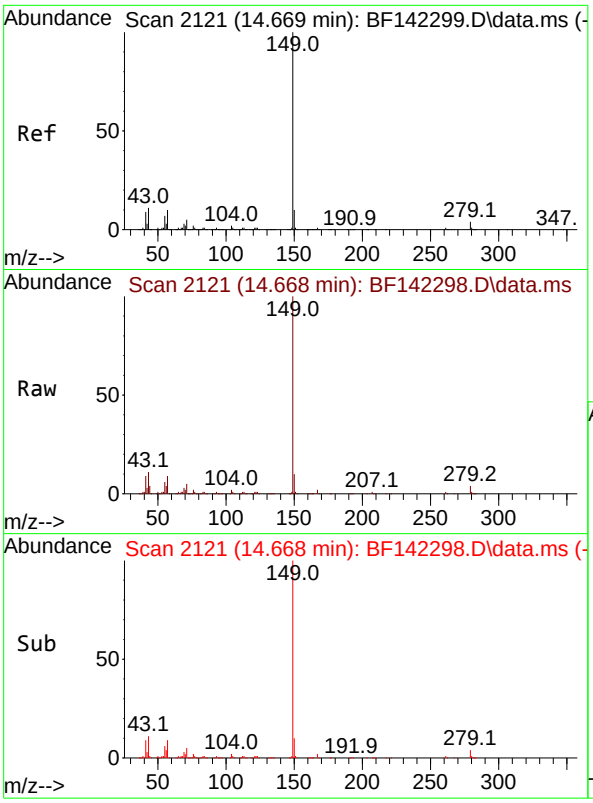


#84
Bis(2-ethylhexyl)phthalate
Concen: 19.237 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:149 Resp: 263391

Ion	Ratio	Lower	Upper
149	100		
167	26.6	22.0	33.0
279	4.1	3.0	4.6



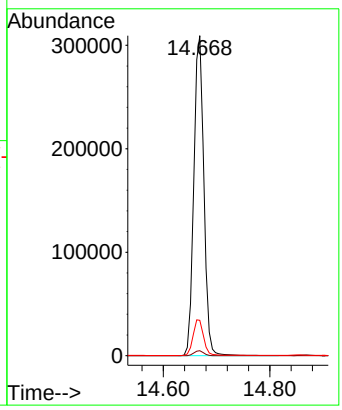


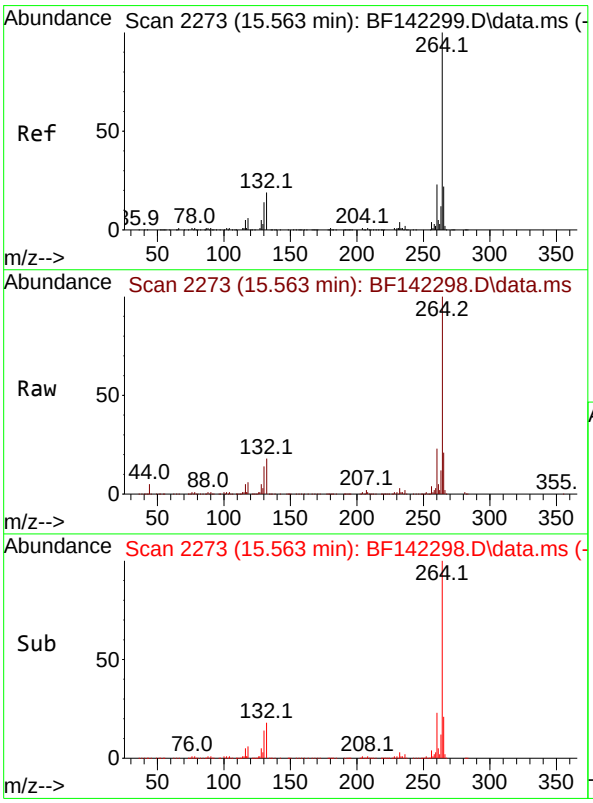
#85
Di-n-octyl phthalate
Concen: 19.581 ng
RT: 14.668 min Scan# 21
Delta R.T. -0.001 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:149 Resp: 405073

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	11.8	9.2	13.8

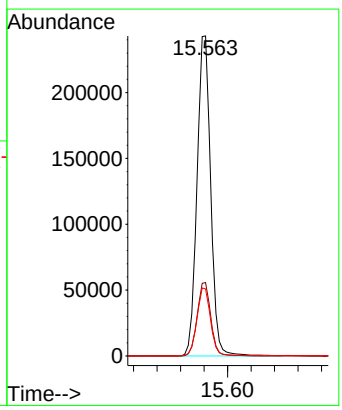


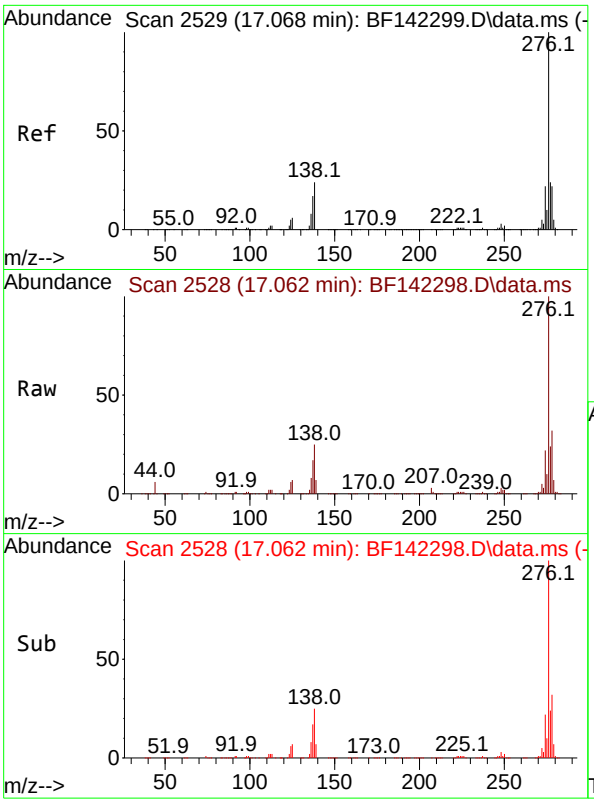


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2273
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:264 Resp: 392077

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.6	27.8
265	21.0	17.5	26.3



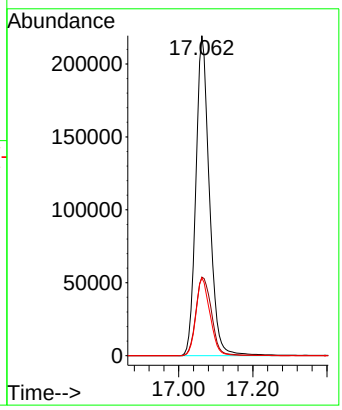


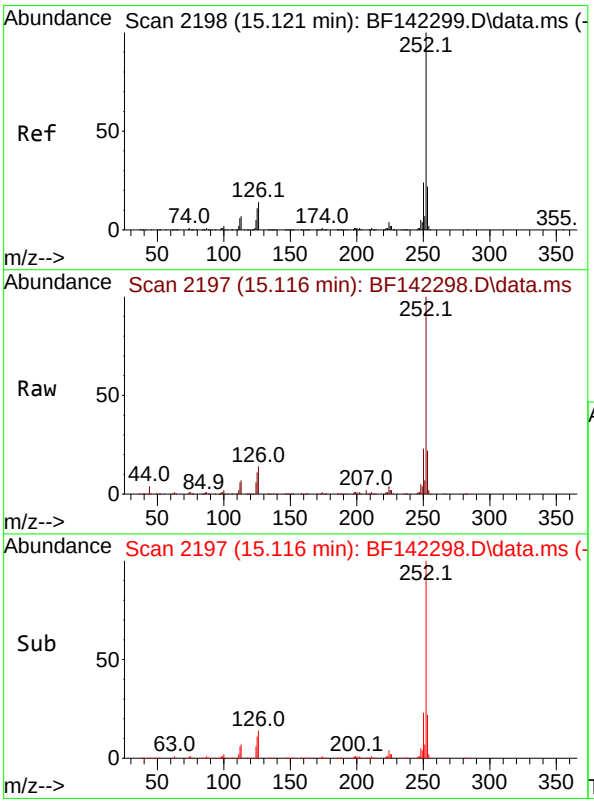
#87
Indeno(1,2,3-cd)pyrene
Concen: 20.421 ng
RT: 17.062 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:276 Resp: 556960

Ion	Ratio	Lower	Upper
276	100		
138	28.3	22.0	33.0
277	25.2	20.1	30.1

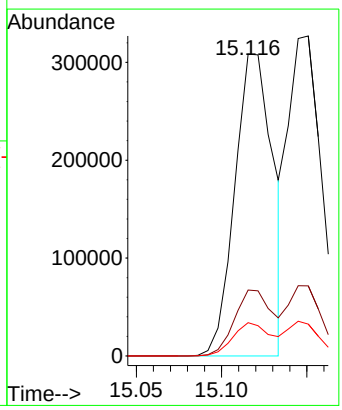


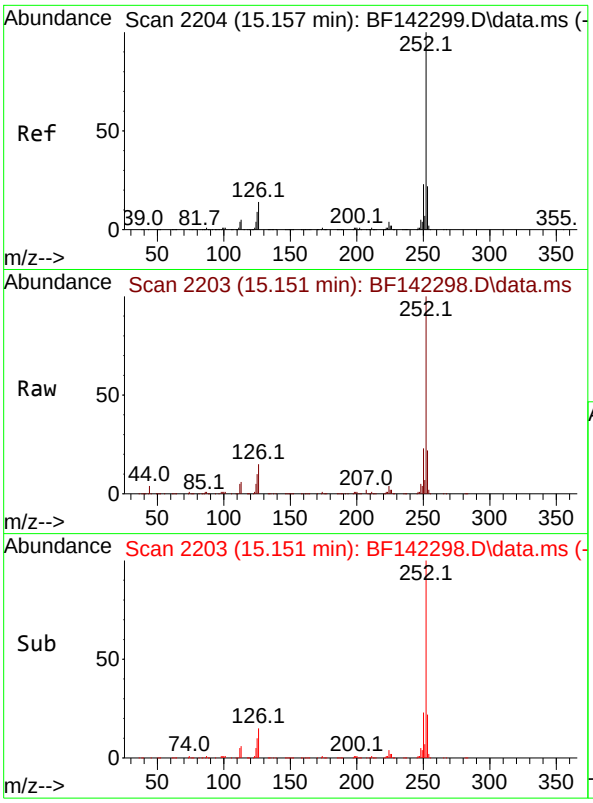


#88
Benzo(b)fluoranthene
Concen: 20.261 ng
RT: 15.116 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:252 Resp: 481134

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	11.0	8.7	13.1



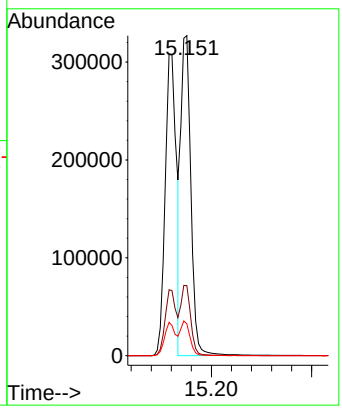


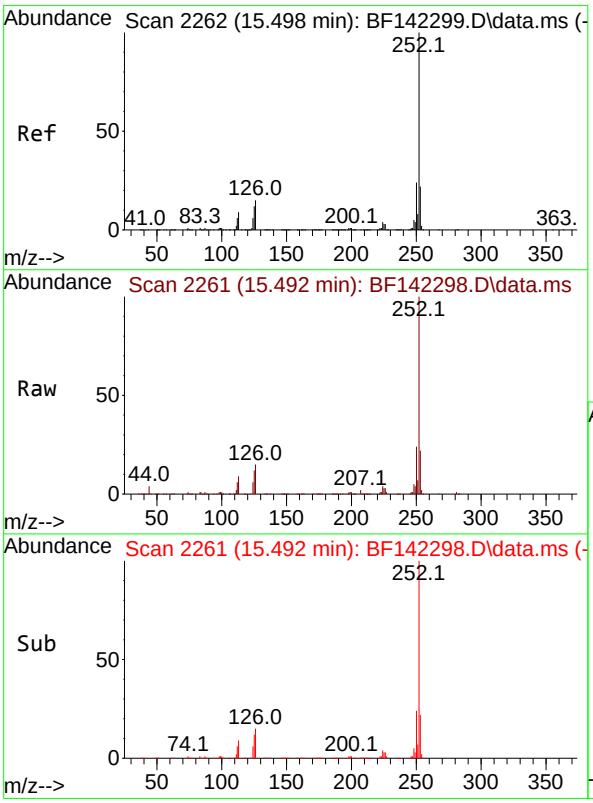
#89
Benzo(k)fluoranthene
Concen: 20.996 ng
RT: 15.151 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:252 Resp: 456264

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	10.0	8.1	12.1

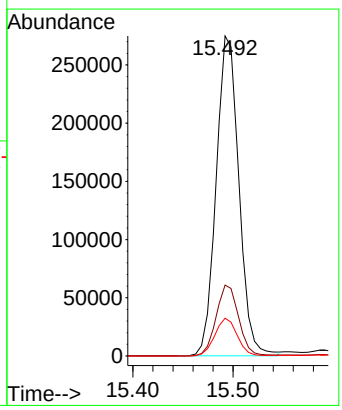


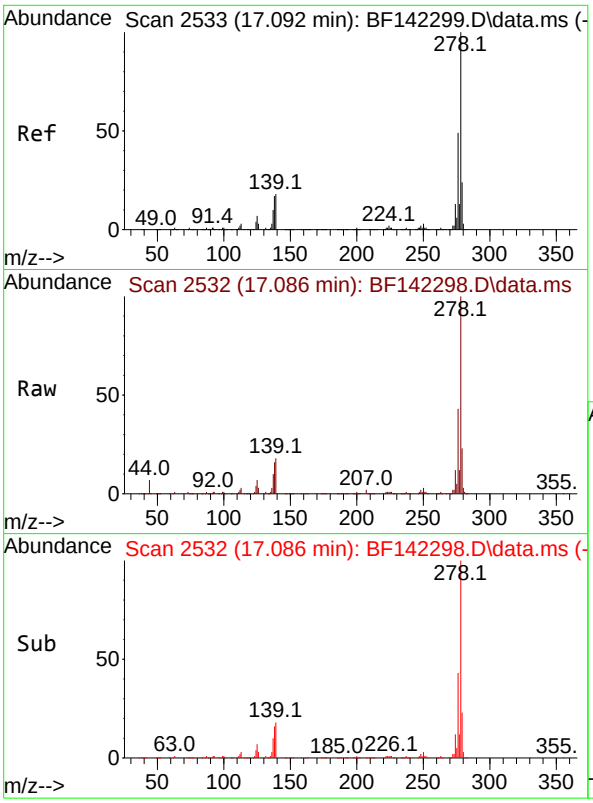


#90
Benzo(a)pyrene
Concen: 20.308 ng
RT: 15.492 min Scan# 2261
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:252 Resp: 432151

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.6
125	11.8	9.4	14.0



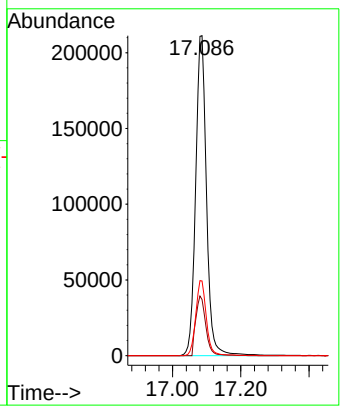


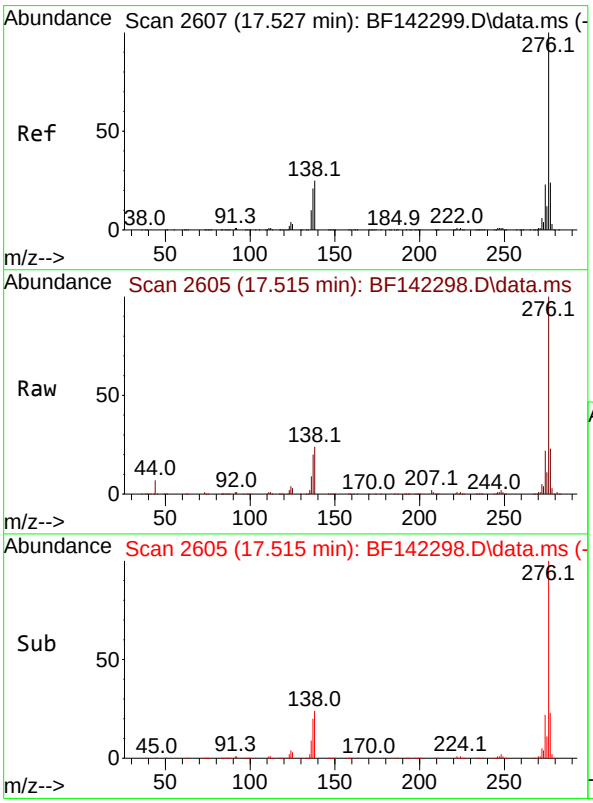
#91
Dibenzo(a,h)anthracene
Concen: 20.783 ng
RT: 17.086 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:278 Resp: 468301

Ion	Ratio	Lower	Upper
278	100		
139	17.6	14.5	21.7
279	23.3	18.9	28.3

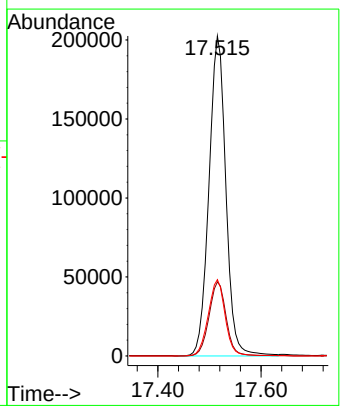




#92
Benzo(g,h,i)perylene
Concen: 20.598 ng
RT: 17.515 min Scan# 2605
Delta R.T. -0.012 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Tgt Ion:276 Resp: 460655

Ion	Ratio	Lower	Upper
276	100		
277	23.2	19.0	28.6
138	23.9	19.8	29.6



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142299.D
Acq On : 05 May 2025 15:50
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: May 05 17:59:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 17:44:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	215157	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	842526	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	453823	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	760936	20.000	ng	0.00
76) Chrysene-d12	14.069	240	448285	20.000	ng	0.00
86) Perylene-d12	15.563	264	426732	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	968719	76.859	ng	0.00
7) Phenol-d6	6.522	99	1182959	76.311	ng	0.00
23) Nitrobenzene-d5	7.469	82	1103045	79.845	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	347351	79.275	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	2308950	72.545	ng	0.00
79) Terphenyl-d14	13.016	244	2250335	74.299	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.687	88	216454	38.137	ng	100
3) Pyridine	3.452	79	505899	37.907	ng	100
4) n-Nitrosodimethylamine	3.405	42	299573	38.681	ng	100
6) Aniline	6.569	93	631218	41.514	ng	100
8) 2-Chlorophenol	6.687	128	525501	39.017	ng	100
9) Benzaldehyde	6.457	77	315981	34.827	ng	100
10) Phenol	6.540	94	663278	40.365	ng	100
11) bis(2-Chloroethyl)ether	6.640	93	544911	33.628	ng	100
12) 1,3-Dichlorobenzene	6.845	146	579737	37.624	ng	100
13) 1,4-Dichlorobenzene	6.922	146	586776	37.927	ng	100
14) 1,2-Dichlorobenzene	7.075	146	566937	38.177	ng	100
15) Benzyl Alcohol	7.040	79	399542	39.803	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.181	45	918775	37.969	ng	100
17) 2-Methylphenol	7.151	107	418080	38.341	ng	100
18) Hexachloroethane	7.422	117	199182	38.694	ng	100
19) n-Nitroso-di-n-propyla...	7.316	70	370009	38.588	ng	100
20) 3+4-Methylphenols	7.304	107	524172	38.517	ng	100
22) Acetophenone	7.316	105	701214	37.432	ng	100
24) Nitrobenzene	7.487	77	516127	39.634	ng	100
25) Isophorone	7.728	82	988094	37.771	ng	100
26) 2-Nitrophenol	7.804	139	222173	36.469	ng	100
27) 2,4-Dimethylphenol	7.834	122	501635	38.139	ng	100
28) bis(2-Chloroethoxy)met...	7.934	93	629800	37.440	ng	100
29) 2,4-Dichlorophenol	8.040	162	442388	39.562	ng	100
30) 1,2,4-Trichlorobenzene	8.128	180	473497	37.625	ng	100
31) Naphthalene	8.210	128	1526020	37.372	ng	100
32) Benzoic acid	7.940	122	235641	36.564	ng	100
33) 4-Chloroaniline	8.257	127	314574	18.914	ng	100
34) Hexachlorobutadiene	8.328	225	282333	37.888	ng	100
35) Caprolactam	8.622	113	132846	40.850	ng	100
36) 4-Chloro-3-methylphenol	8.728	107	447226	38.475	ng	100
37) 2-Methylnaphthalene	8.904	142	958304	37.768	ng	100
38) 1-Methylnaphthalene	8.998	142	1000206	37.821	ng	100
40) 1,2,4,5-Tetrachloroben...	9.069	216	467314	36.869	ng	100
41) Hexachlorocyclopentadiene	9.057	237	311649	39.785	ng	100
43) 2,4,6-Trichlorophenol	9.175	196	318860	39.883	ng	100

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142299.D
Acq On : 05 May 2025 15:50
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: May 05 17:59:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 17:44:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	329034	38.680	ng	100
46) 1,1'-Biphenyl	9.363	154	1280889	36.811	ng	100
47) 2-Chloronaphthalene	9.392	162	959880	37.093	ng	100
48) 2-Nitroaniline	9.481	65	270673	40.808	ng	100
49) Acenaphthylene	9.804	152	1618066	37.378	ng	100
50) Dimethylphthalate	9.663	163	1097900	37.675	ng	100
51) 2,6-Dinitrotoluene	9.722	165	222509	40.792	ng	100
52) Acenaphthene	9.981	154	967532	37.171	ng	100
53) 3-Nitroaniline	9.892	138	259735	40.600	ng	100
54) 2,4-Dinitrophenol	9.992	184	88227	35.617	ng	100
55) Dibenzofuran	10.151	168	1411519	36.745	ng	100
56) 4-Nitrophenol	10.039	139	194419	40.380	ng	100
57) 2,4-Dinitrotoluene	10.128	165	288836	41.281	ng	100
58) Fluorene	10.492	166	1084214	36.984	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.263	232	277041	39.451	ng	100
60) Diethylphthalate	10.363	149	1095399	37.640	ng	100
61) 4-Chlorophenyl-phenyle...	10.486	204	523719	37.028	ng	100
62) 4-Nitroaniline	10.504	138	203816	40.198	ng	100
63) Azobenzene	10.645	77	1027227	36.938	ng	100
65) 4,6-Dinitro-2-methylph...	10.533	198	123079	36.690	ng	100
66) n-Nitrosodiphenylamine	10.604	169	957534	37.816	ng	100
67) 4-Bromophenyl-phenylether	10.975	248	328625	38.106	ng	100
68) Hexachlorobenzene	11.039	284	360906	38.046	ng	100
69) Atrazine	11.128	200	265558	39.786	ng	100
70) Pentachlorophenol	11.228	266	211262	42.334	ng	100
71) Phenanthrene	11.457	178	1503192	37.687	ng	100
72) Anthracene	11.510	178	1549487	37.808	ng	100
73) Carbazole	11.657	167	1409408	38.332	ng	100
74) Di-n-butylphthalate	11.992	149	1540981	39.856	ng	100
75) Fluoranthene	12.645	202	1499802	37.616	ng	100
77) Benzidine	12.769	184	321040	39.408	ng	100
78) Pyrene	12.874	202	1528516	38.307	ng	100
80) Butylbenzylphthalate	13.492	149	420197	36.993	ng	100
81) Benzo(a)anthracene	14.063	228	1109518	38.218	ng	100
82) 3,3'-Dichlorobenzidine	14.021	252	265678	39.352	ng	100
83) Chrysene	14.098	228	989811	36.624	ng	100
84) Bis(2-ethylhexyl)phtha...	14.051	149	539105	36.650	ng	100
85) Di-n-octyl phthalate	14.669	149	922803	36.079	ng	100
87) Indeno(1,2,3-cd)pyrene	17.068	276	1181269	39.794	ng	100
88) Benzo(b)fluoranthene	15.121	252	992827	38.414	ng	100
89) Benzo(k)fluoranthene	15.157	252	888026	37.546	ng	100
90) Benzo(a)pyrene	15.498	252	909479	39.269	ng	100
91) Dibenzo(a,h)anthracene	17.092	278	970622	39.578	ng	100
92) Benzo(g,h,i)perylene	17.527	276	956211	39.285	ng	100

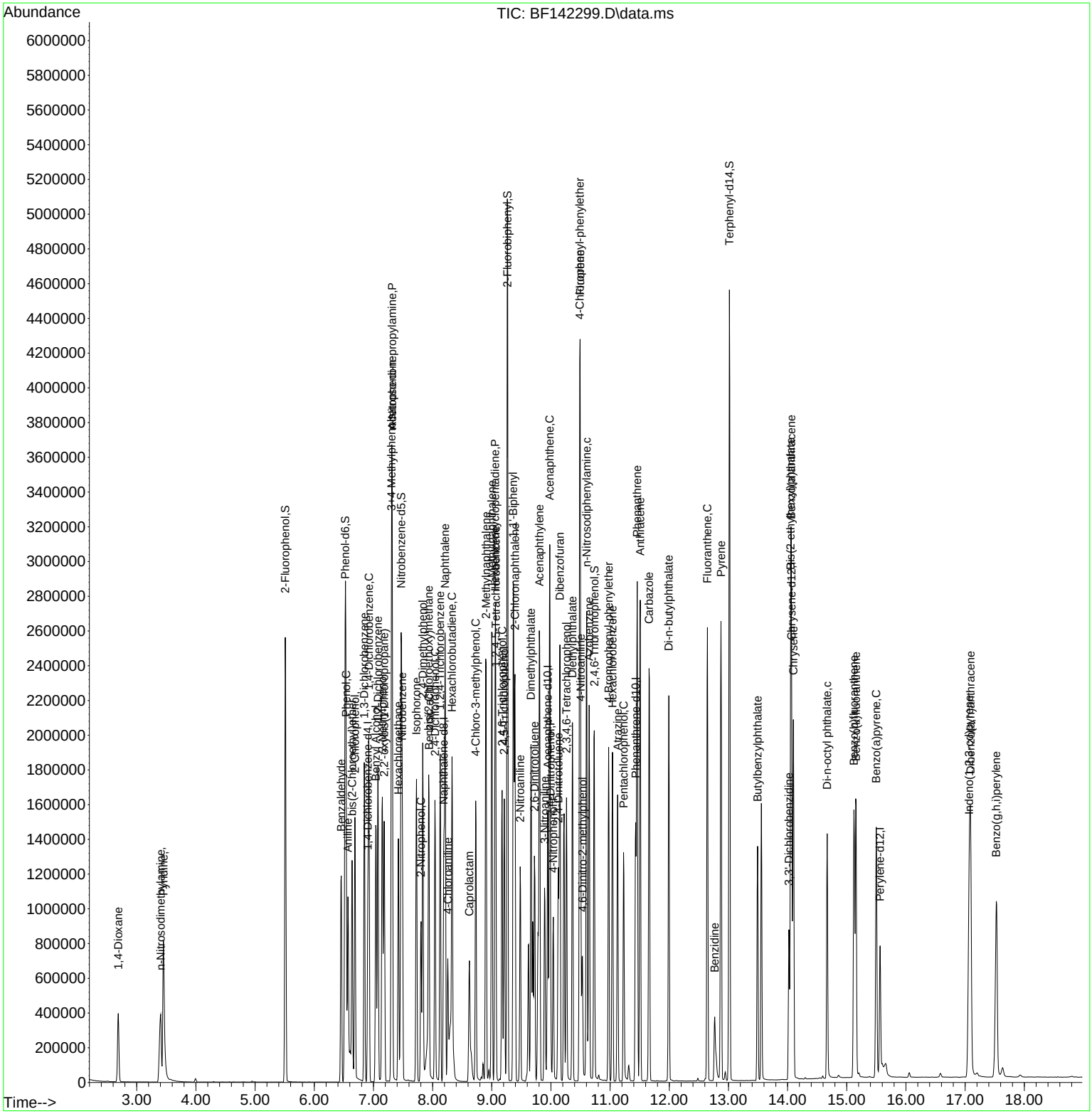
(#) = qualifier out of range (m) = manual integration (+) = signals summed

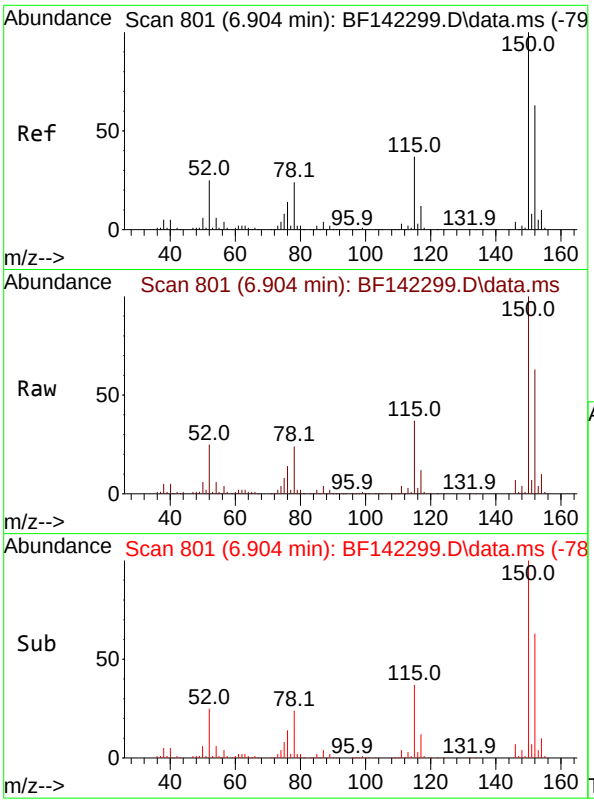
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142299.D
Acq On : 05 May 2025 15:50
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Quant Time: May 05 17:59:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 17:44:56 2025
Response via : Initial Calibration



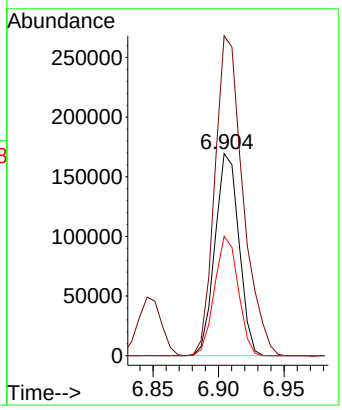


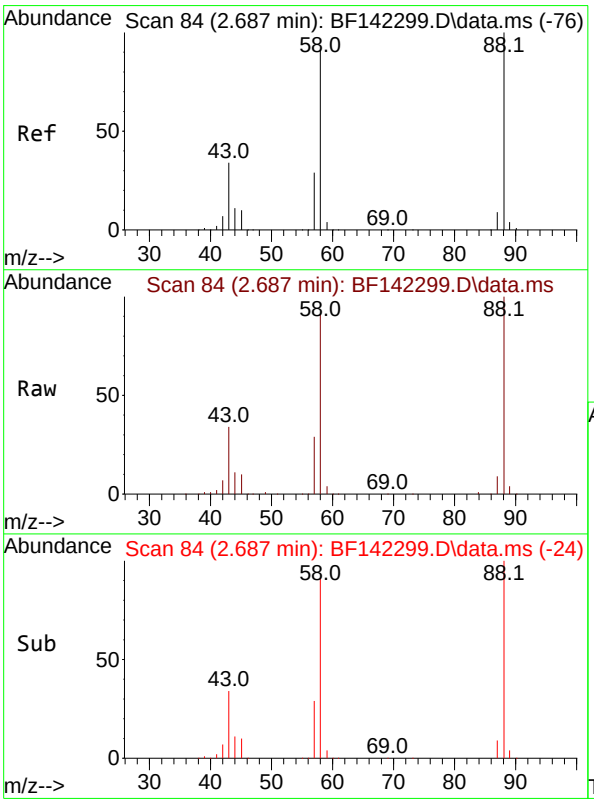
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 215157

Ion	Ratio	Lower	Upper
152	100		
150	158.3	126.6	190.0
115	59.1	47.3	70.9

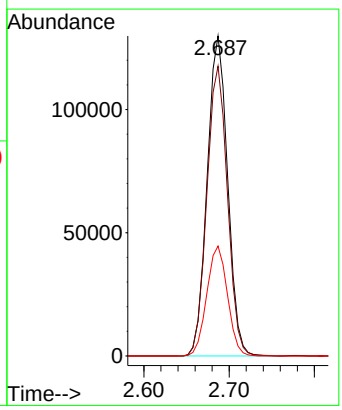


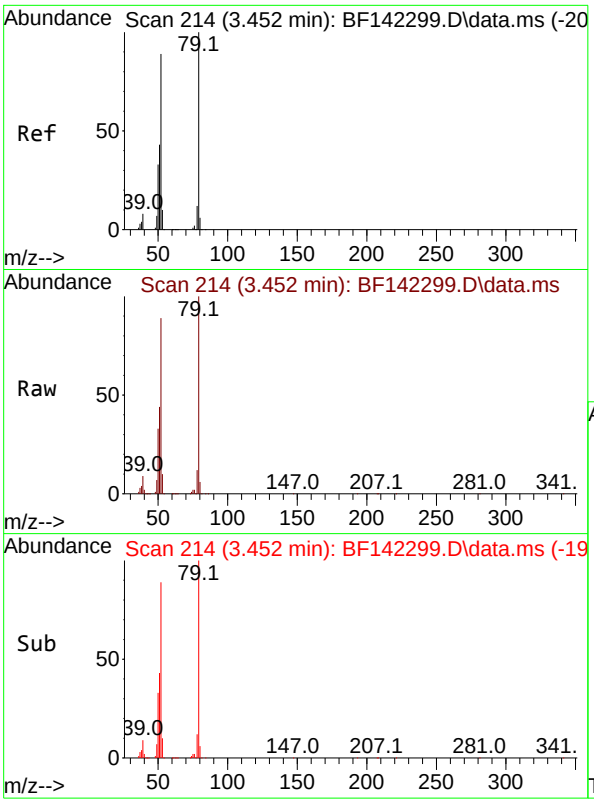


#2
1,4-Dioxane
Concen: 38.137 ng
RT: 2.687 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion: 88 Resp: 216454

Ion	Ratio	Lower	Upper
88	100		
58	91.2	73.0	109.4
43	34.7	27.8	41.6



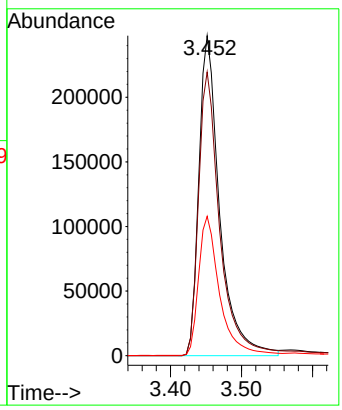


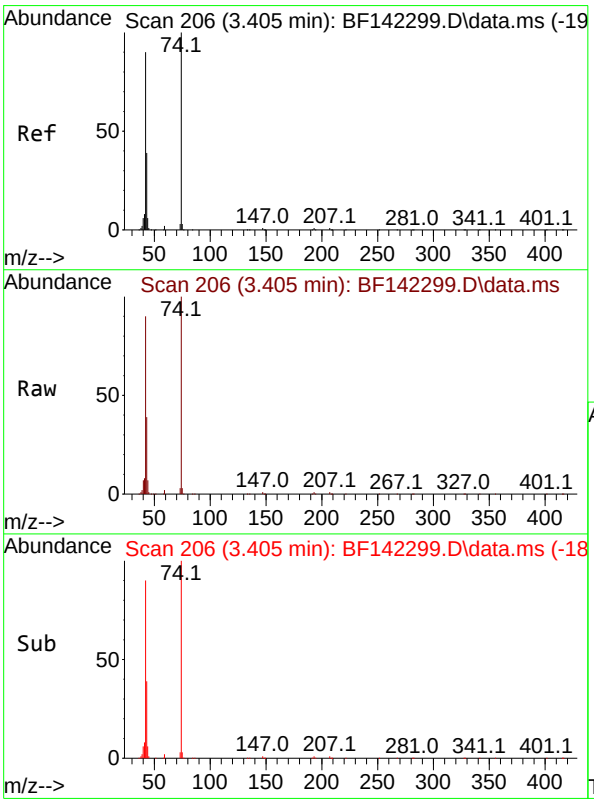
#3
Pyridine
Concen: 37.907 ng
RT: 3.452 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 505899

Ion	Ratio	Lower	Upper
79	100		
52	88.7	71.0	106.4
51	43.6	34.9	52.3

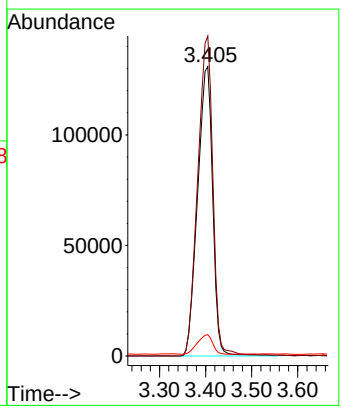


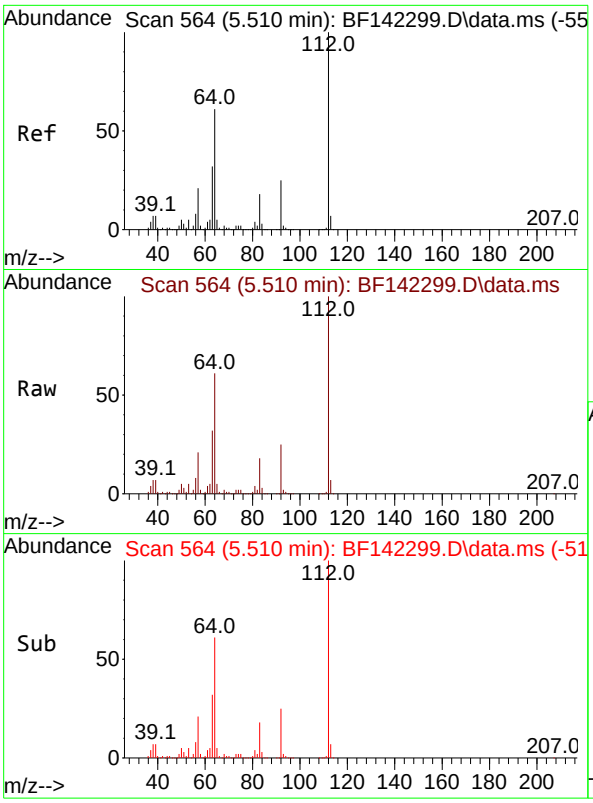


#4
n-Nitrosodimethylamine
Concen: 38.681 ng
RT: 3.405 min Scan# 206
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion: 42 Resp: 299573

Ion	Ratio	Lower	Upper
42	100		
74	110.6	88.5	132.7
44	7.3	5.8	8.8



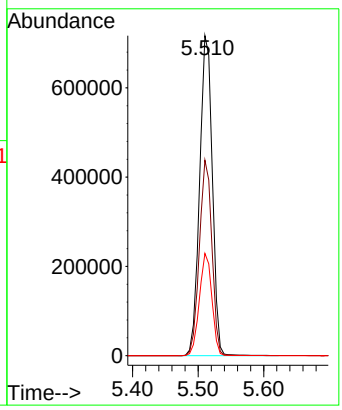


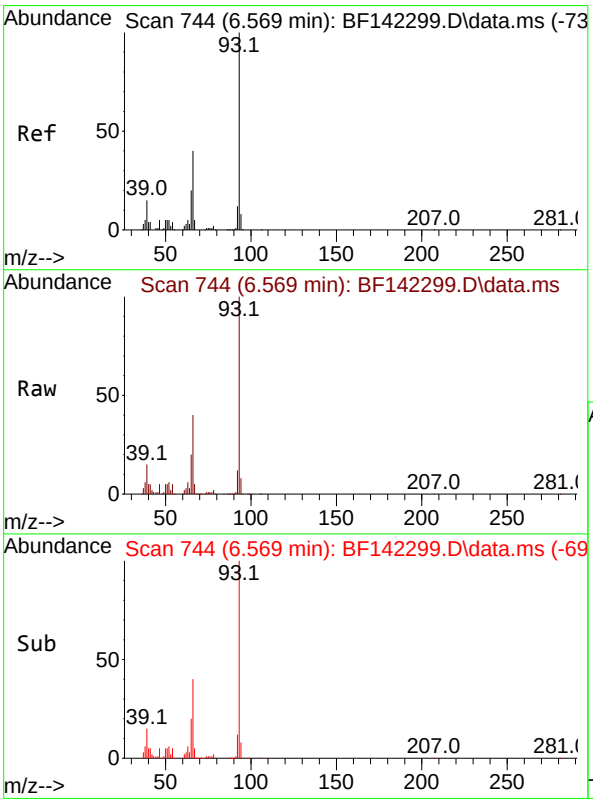
#5
2-Fluorophenol
Concen: 76.859 ng
RT: 5.510 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:112 Resp: 968719

Ion	Ratio	Lower	Upper
112	100		
64	61.1	48.9	73.3
63	32.0	25.6	38.4

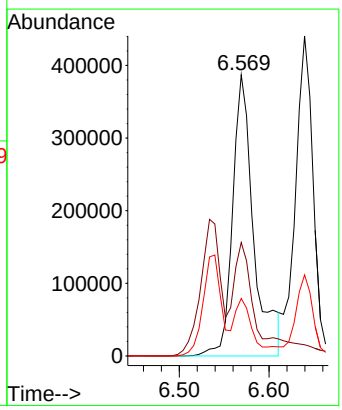


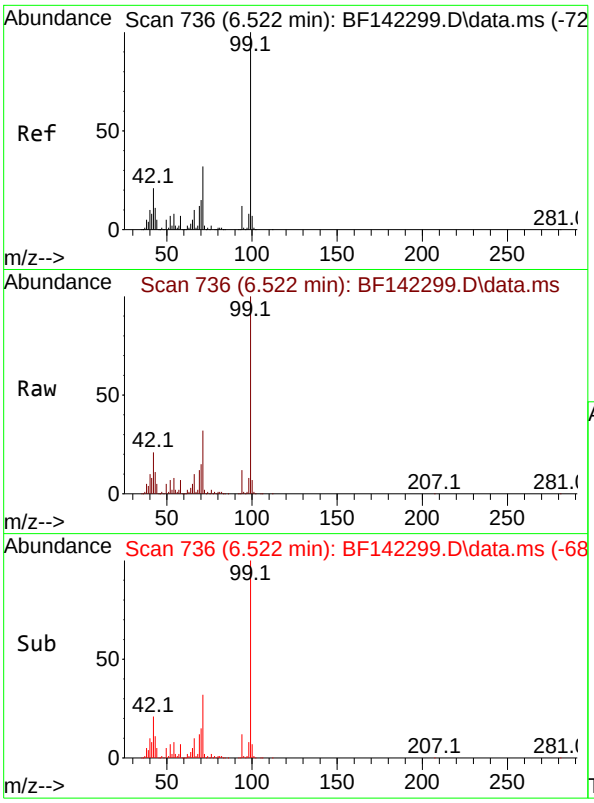


#6
Aniline
Concen: 41.514 ng
RT: 6.569 min Scan# 744
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion: 93 Resp: 631218

Ion	Ratio	Lower	Upper
93	100		
66	40.3	32.2	48.4
65	20.4	16.3	24.5



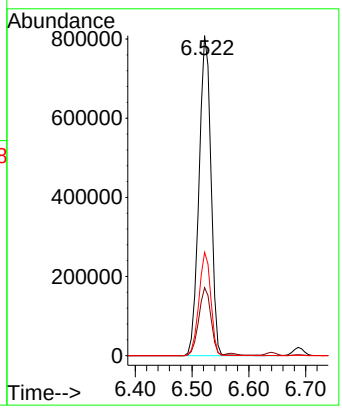


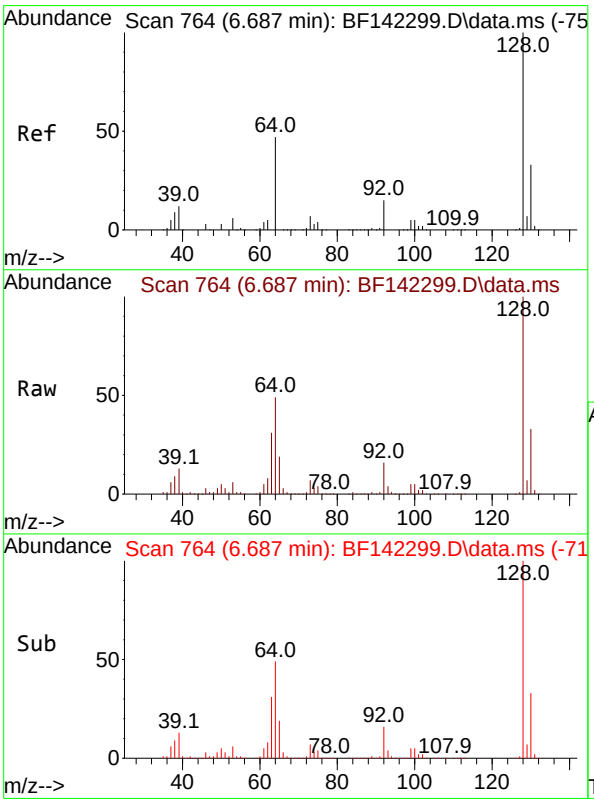
#7
Phenol-d6
Concen: 76.311 ng
RT: 6.522 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 99 Resp: 1182959

Ion	Ratio	Lower	Upper
99	100		
42	21.2	17.0	25.4
71	32.3	25.8	38.8

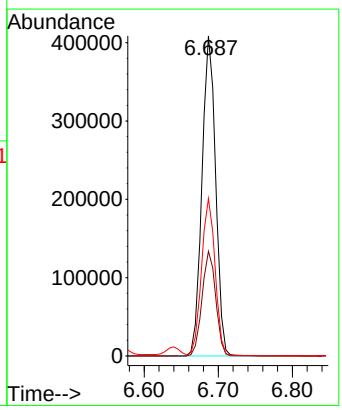


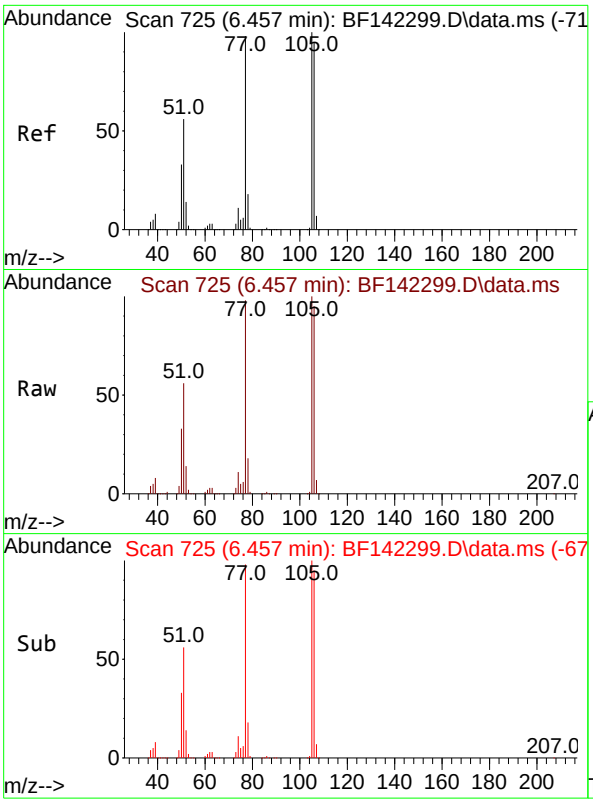


#8
2-Chlorophenol
Concen: 39.017 ng
RT: 6.687 min Scan# 764
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:128 Resp: 525501

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.7	52.7
64	49.2	29.2	69.2



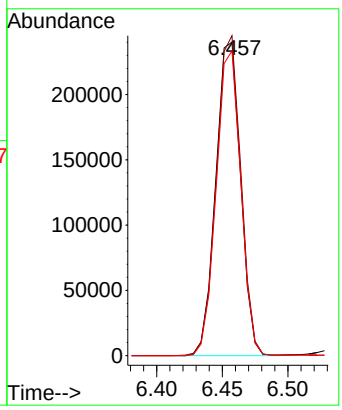


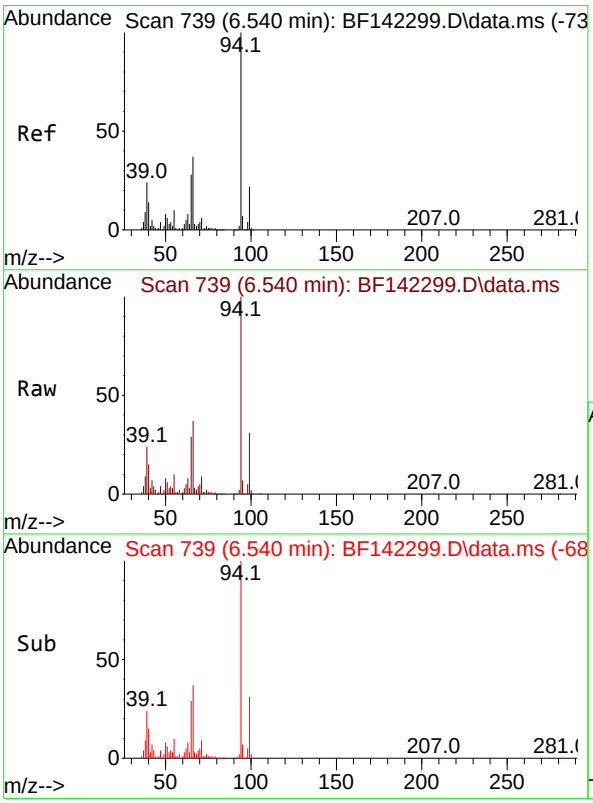
#9
Benzaldehyde
Concen: 34.827 ng
RT: 6.457 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 315981

Ion	Ratio	Lower	Upper
77	100		
105	102.0	82.0	122.0
106	97.2	77.2	117.2

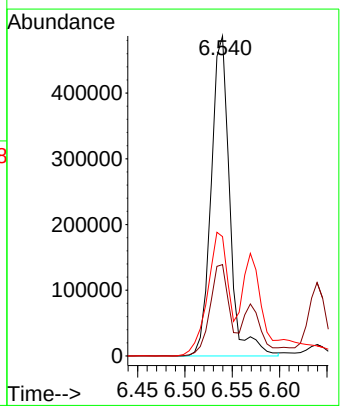


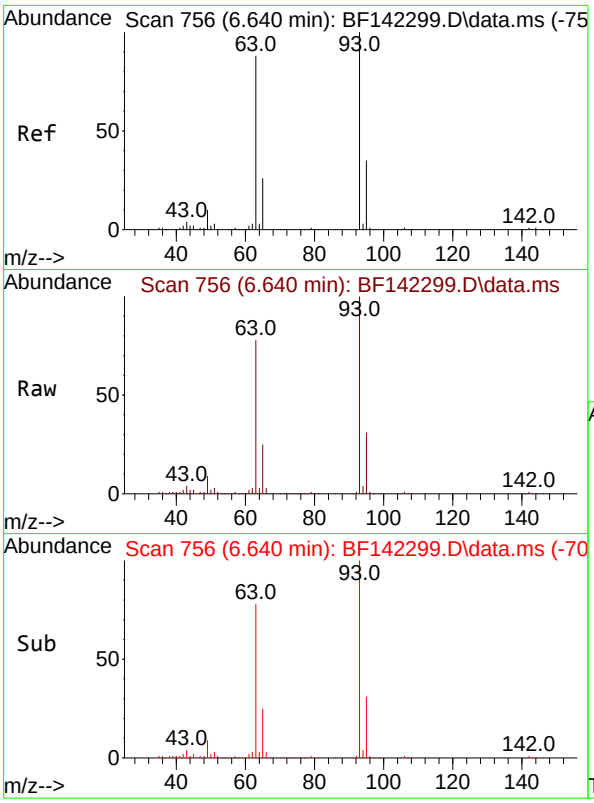


#10
Phenol
Concen: 40.365 ng
RT: 6.540 min Scan# 739
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion: 94 Resp: 663278

Ion	Ratio	Lower	Upper
94	100		
65	28.5	8.5	48.5
66	37.3	17.3	57.3



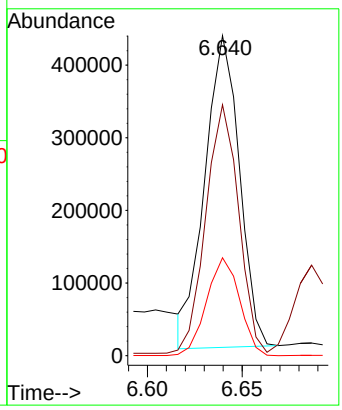


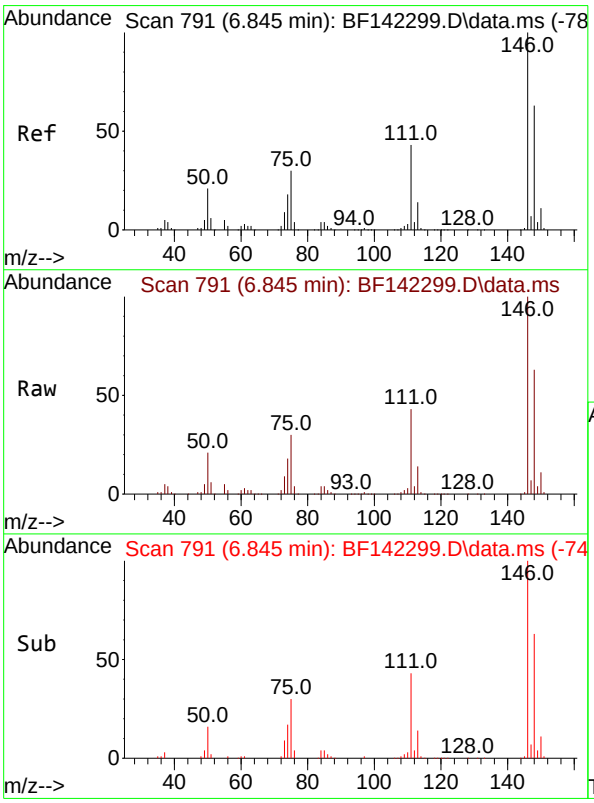
#11
bis(2-Chloroethyl)ether
Concen: 33.628 ng
RT: 6.640 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 544911

Ion	Ratio	Lower	Upper
93	100		
63	78.4	58.4	98.4
95	30.6	10.6	50.6

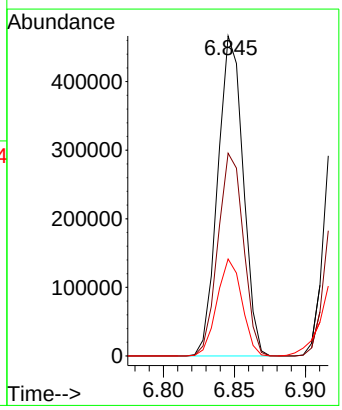


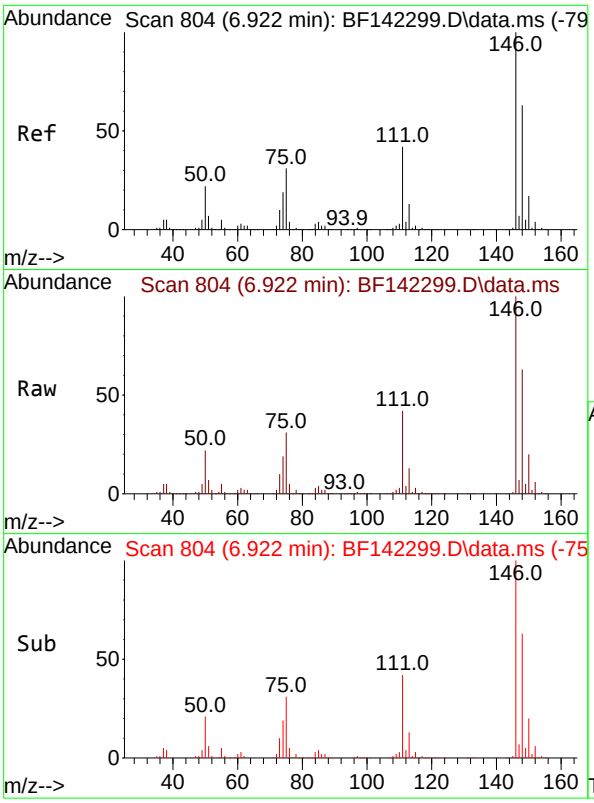


#12
1,3-Dichlorobenzene
Concen: 37.624 ng
RT: 6.845 min Scan# 791
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:146 Resp: 579737

Ion	Ratio	Lower	Upper
146	100		
148	63.3	50.6	76.0
75	30.3	24.2	36.4



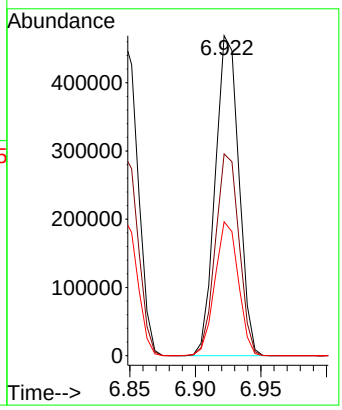


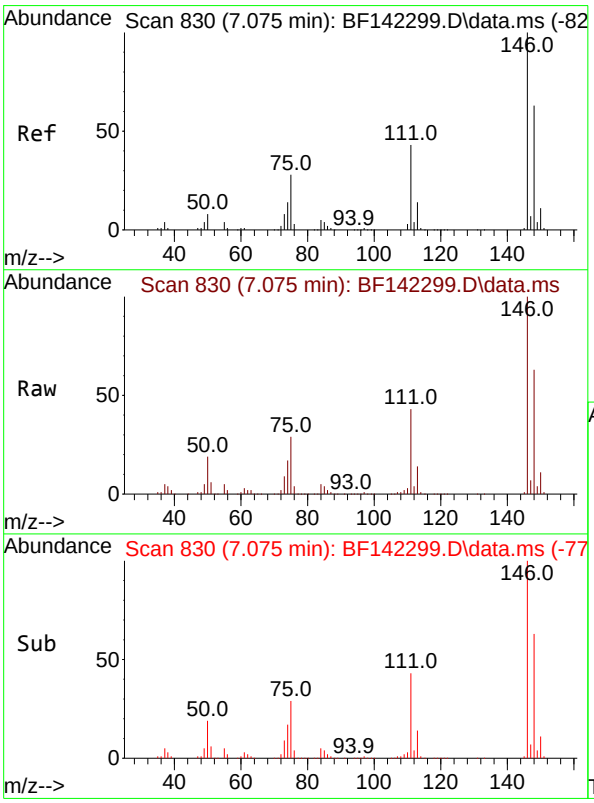
#13
1,4-Dichlorobenzene
Concen: 37.927 ng
RT: 6.922 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:146 Resp: 586776

Ion	Ratio	Lower	Upper
146	100		
148	63.1	50.5	75.7
111	41.8	33.4	50.2

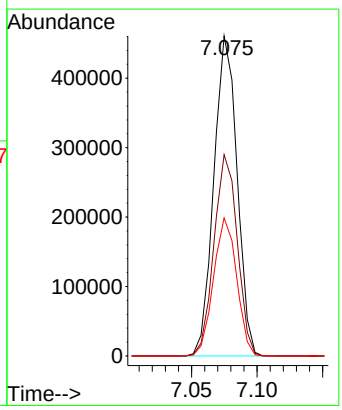


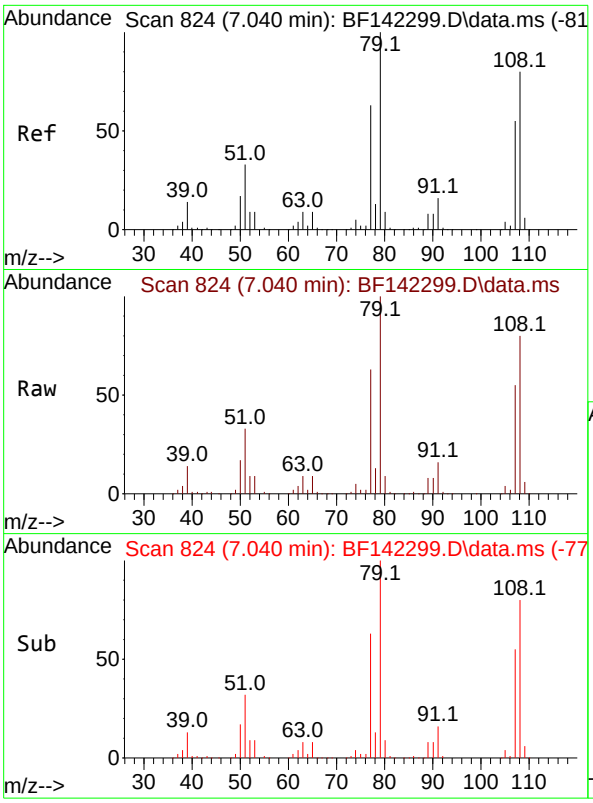


#14
1,2-Dichlorobenzene
Concen: 38.177 ng
RT: 7.075 min Scan# 830
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:146 Resp: 566937

Ion	Ratio	Lower	Upper
146	100		
148	62.9	50.3	75.5
111	43.1	34.5	51.7



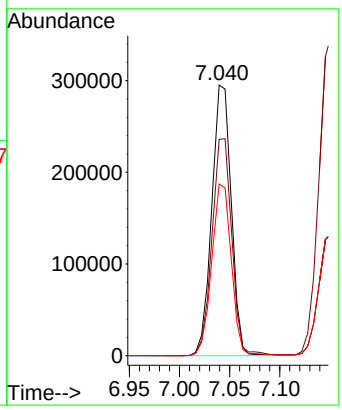


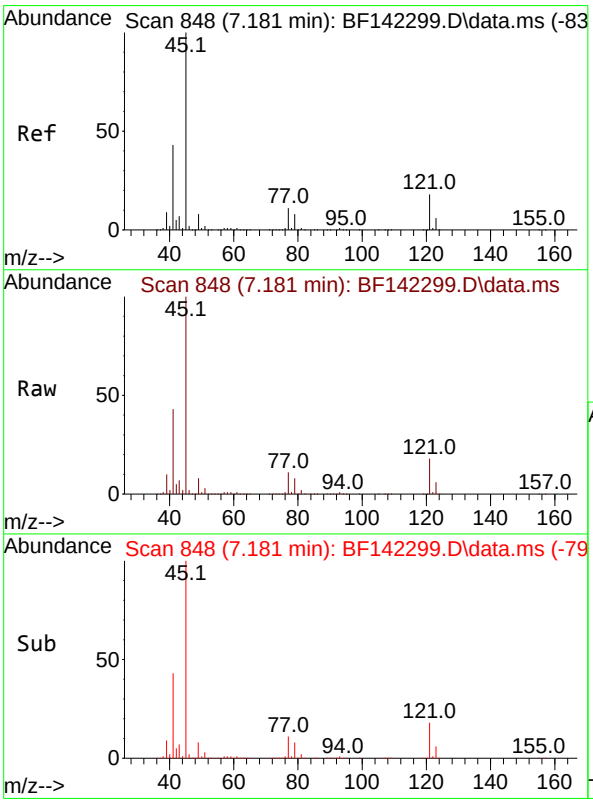
#15
Benzyl Alcohol
Concen: 39.803 ng
RT: 7.040 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 399542

Ion	Ratio	Lower	Upper
79	100		
108	79.9	63.9	95.9
77	63.4	50.7	76.1

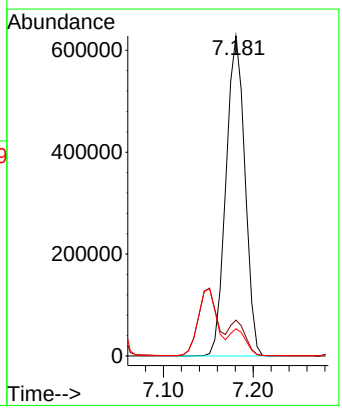


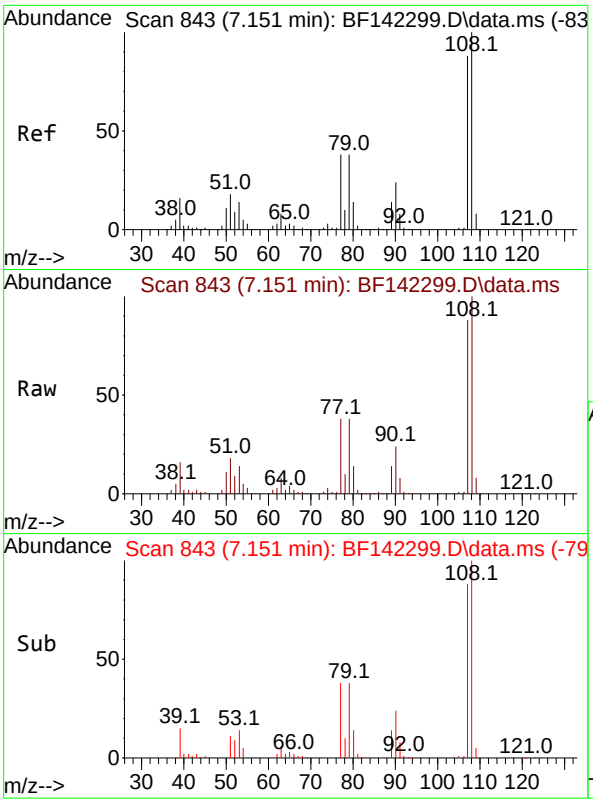


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.969 ng
RT: 7.181 min Scan# 848
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion: 45 Resp: 918775

Ion	Ratio	Lower	Upper
45	100		
77	11.2	0.0	31.2
79	8.5	0.0	28.5



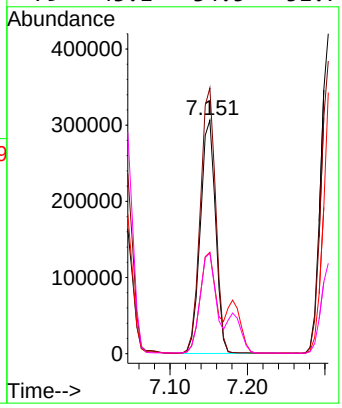


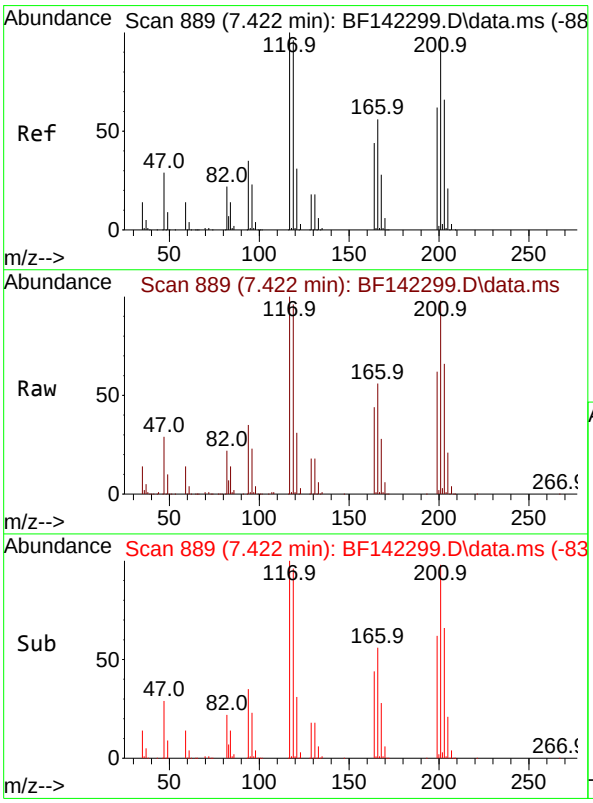
#17
2-Methylphenol
Concen: 38.341 ng
RT: 7.151 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:107 Resp: 418080

Ion	Ratio	Lower	Upper
107	100		
108	113.9	91.1	136.7
77	43.4	34.7	52.1
79	43.1	34.5	51.7

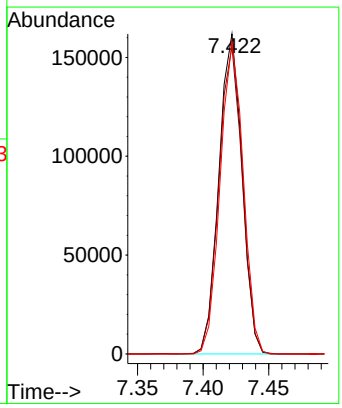


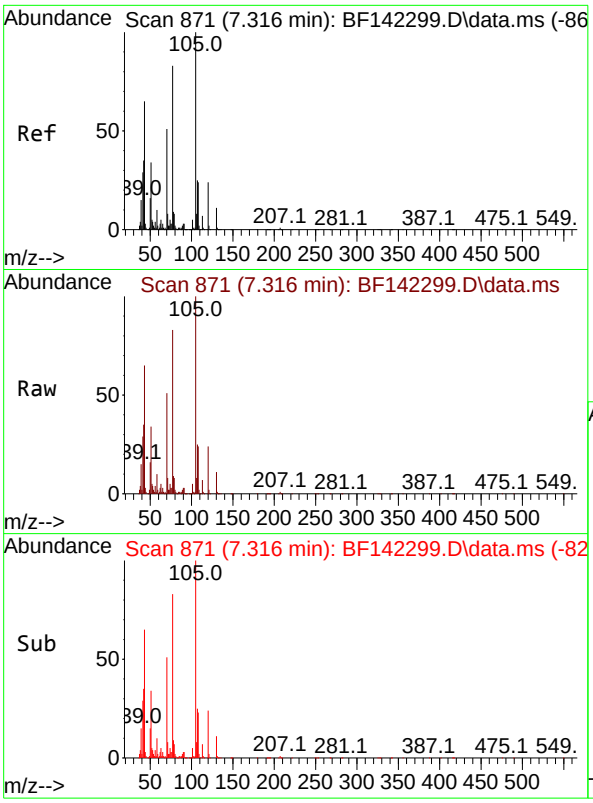


#18
Hexachloroethane
Concen: 38.694 ng
RT: 7.422 min Scan# 889
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:117 Resp: 199182

Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.9	115.3
201	97.5	78.0	117.0



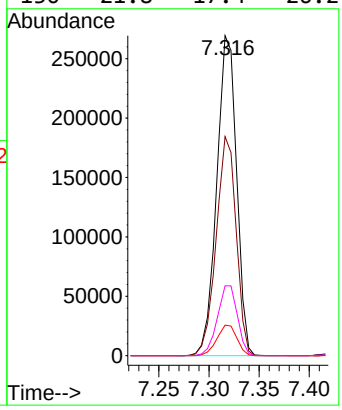


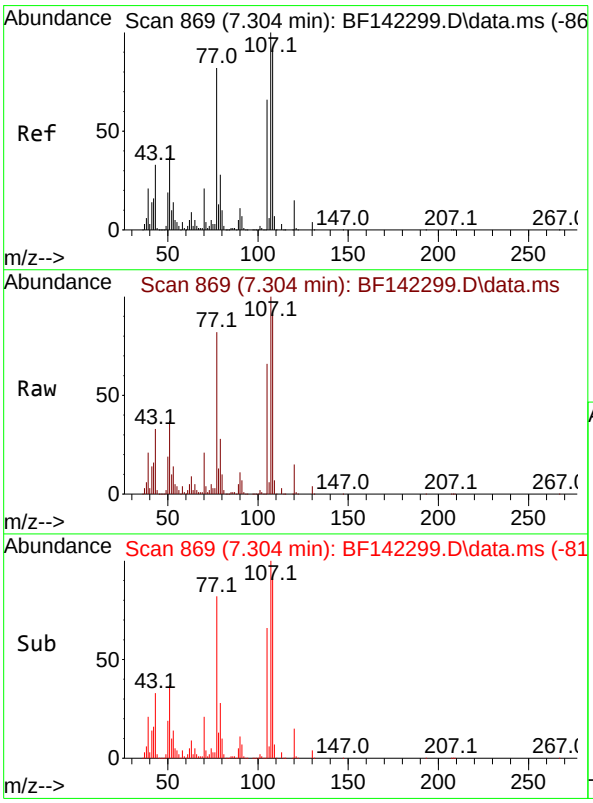
#19
n-Nitroso-di-n-propylamine
Concen: 38.588 ng
RT: 7.316 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 370009

Ion	Ratio	Lower	Upper
70	100		
42	68.5	54.8	82.2
101	9.6	7.7	11.5
130	21.8	17.4	26.2

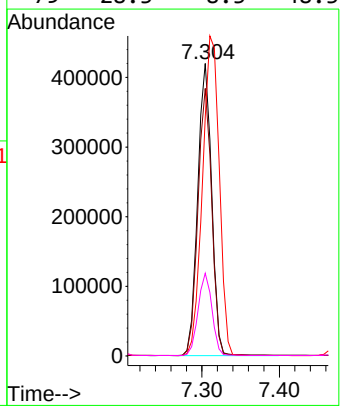


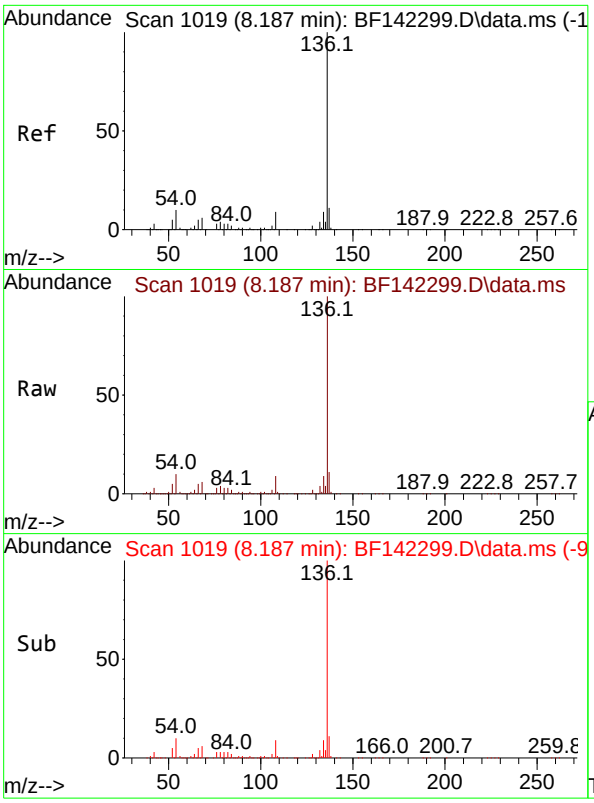


#20
3+4-Methylphenols
Concen: 38.517 ng
RT: 7.304 min Scan# 869
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:107 Resp: 524172

Ion	Ratio	Lower	Upper
107	100		
108	91.5	71.5	111.5
77	81.6	61.6	101.6
79	28.3	8.3	48.3



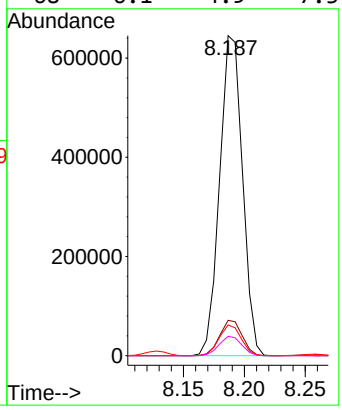


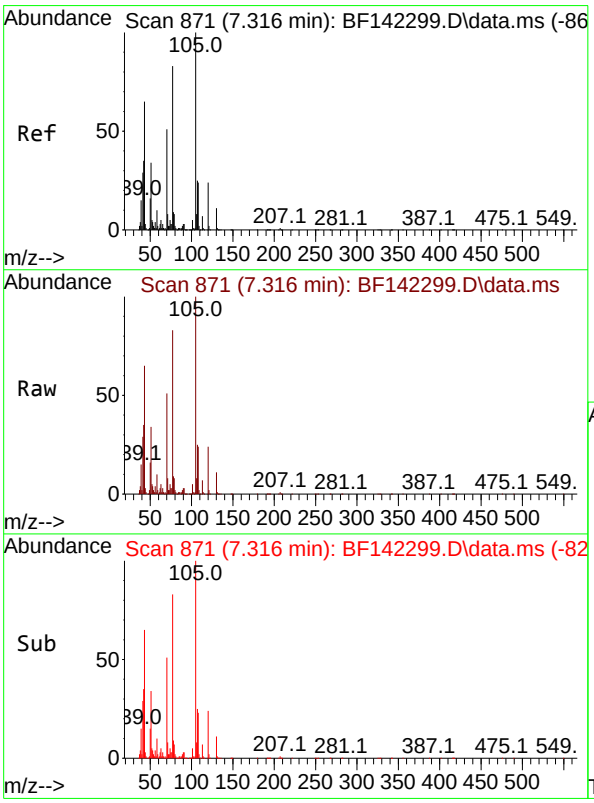
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:136 Resp: 842526

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	9.6	7.7	11.5
68	6.1	4.9	7.3

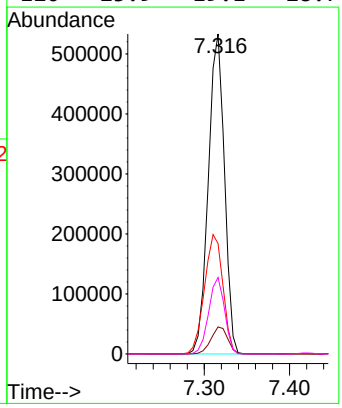


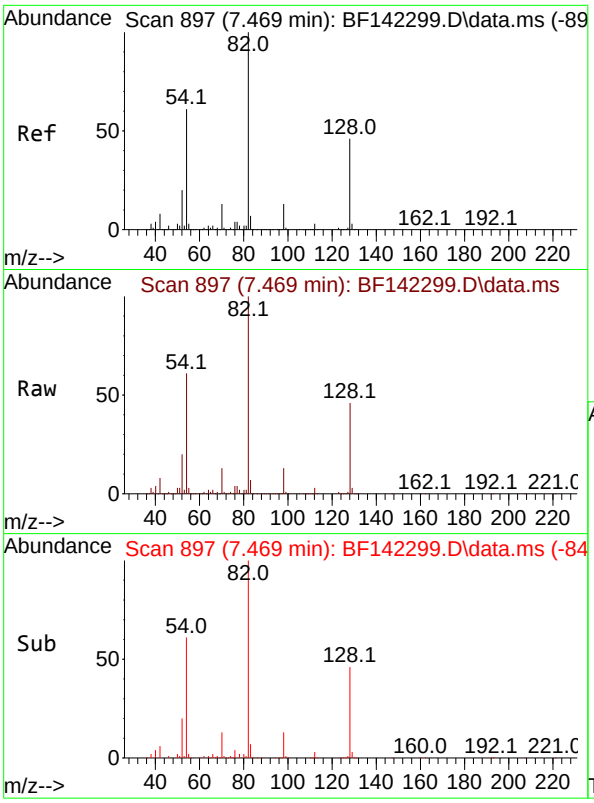


#22
Acetophenone
Concen: 37.432 ng
RT: 7.316 min Scan# 871
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:105 Resp: 701214

Ion	Ratio	Lower	Upper
105	100		
71	8.4	6.7	10.1
51	34.5	27.6	41.4
120	23.9	19.1	28.7



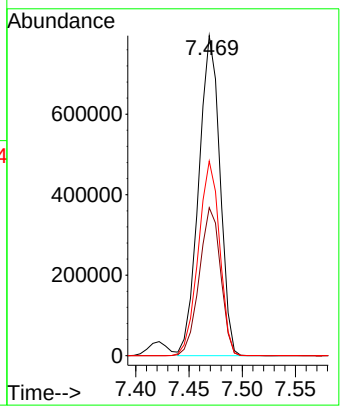


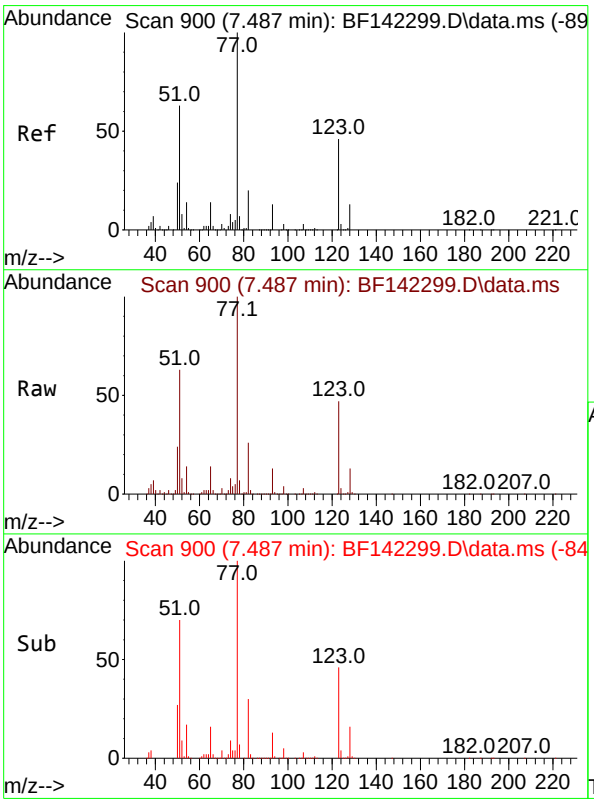
#23
Nitrobenzene-d5
Concen: 79.845 ng
RT: 7.469 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 1103045

Ion	Ratio	Lower	Upper
82	100		
128	46.3	37.0	55.6
54	60.8	48.6	73.0

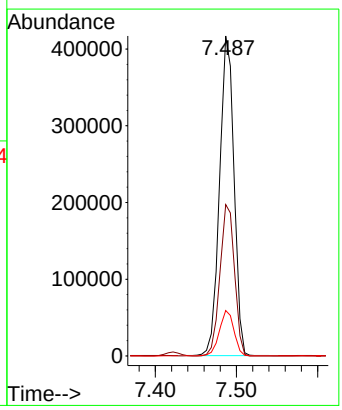


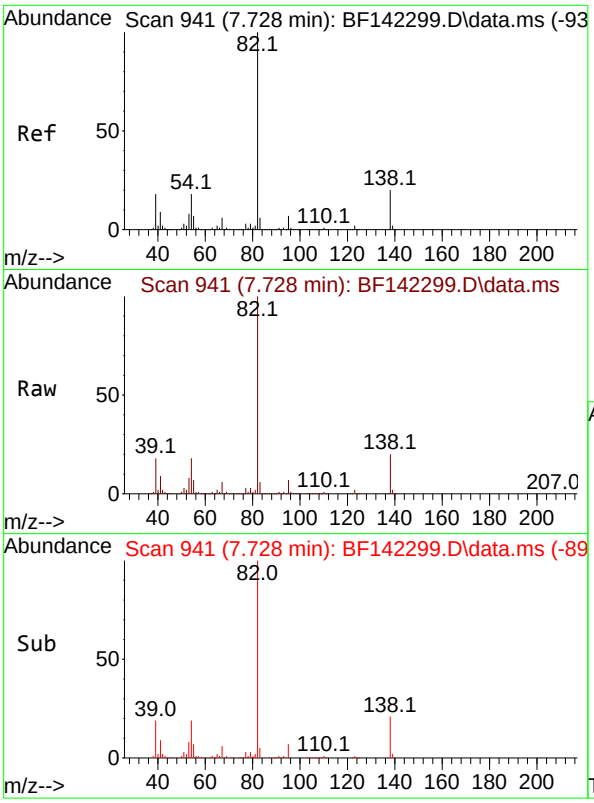


#24
Nitrobenzene
Concen: 39.634 ng
RT: 7.487 min Scan# 900
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion: 77 Resp: 516127

Ion	Ratio	Lower	Upper
77	100		
123	47.3	37.8	56.8
65	14.2	11.4	17.0



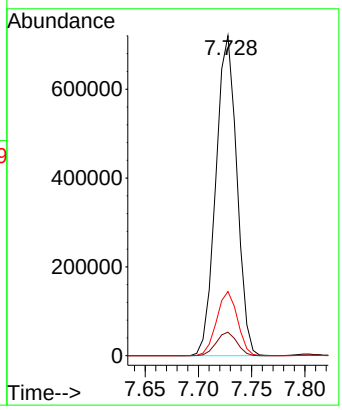


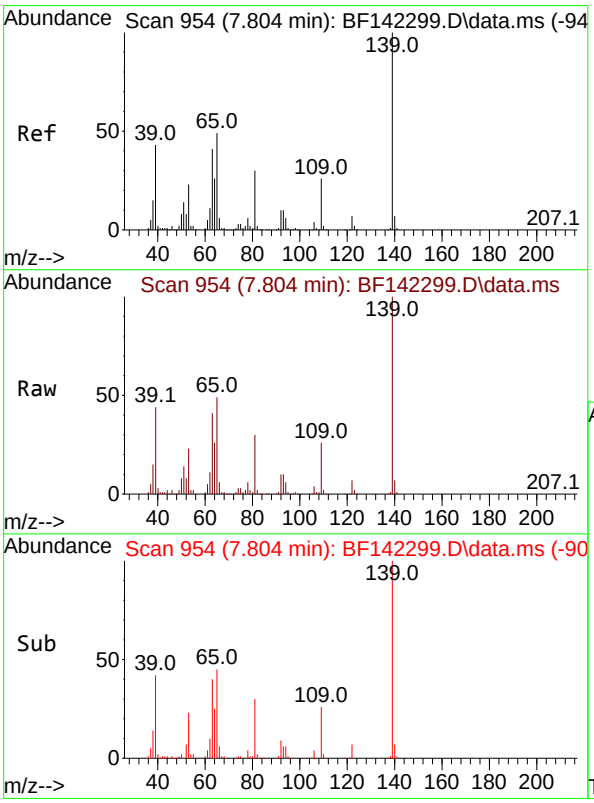
#25
Isophorone
Concen: 37.771 ng
RT: 7.728 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 82 Resp: 988094

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.8	8.8
138	20.1	16.1	24.1

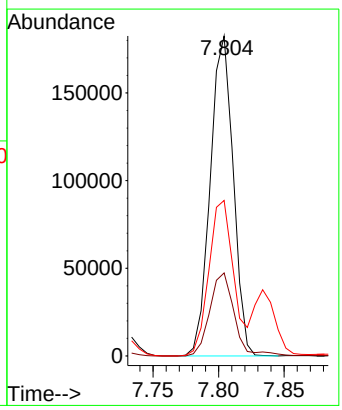


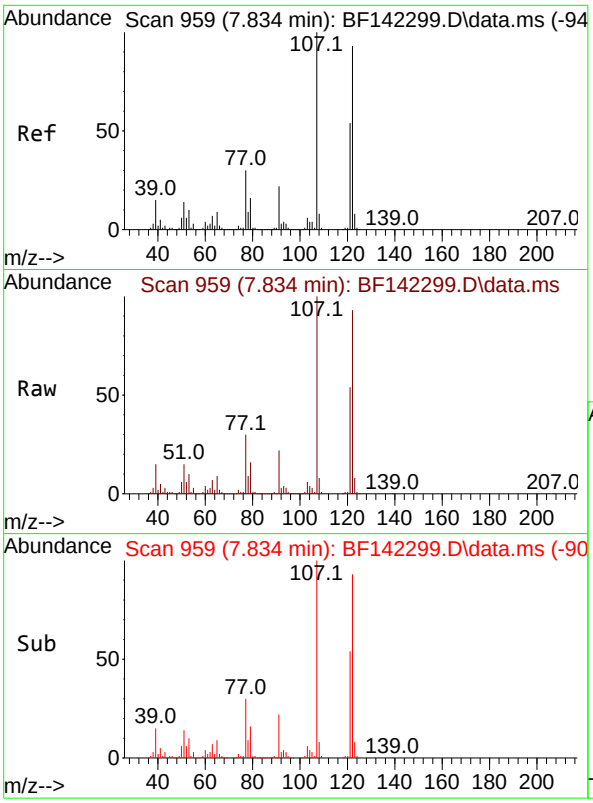


#26
2-Nitrophenol
Concen: 36.469 ng
RT: 7.804 min Scan# 954
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:139 Resp: 222173

Ion	Ratio	Lower	Upper
139	100		
109	26.0	20.8	31.2
65	48.6	38.9	58.3



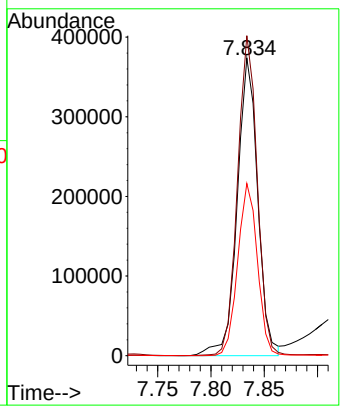


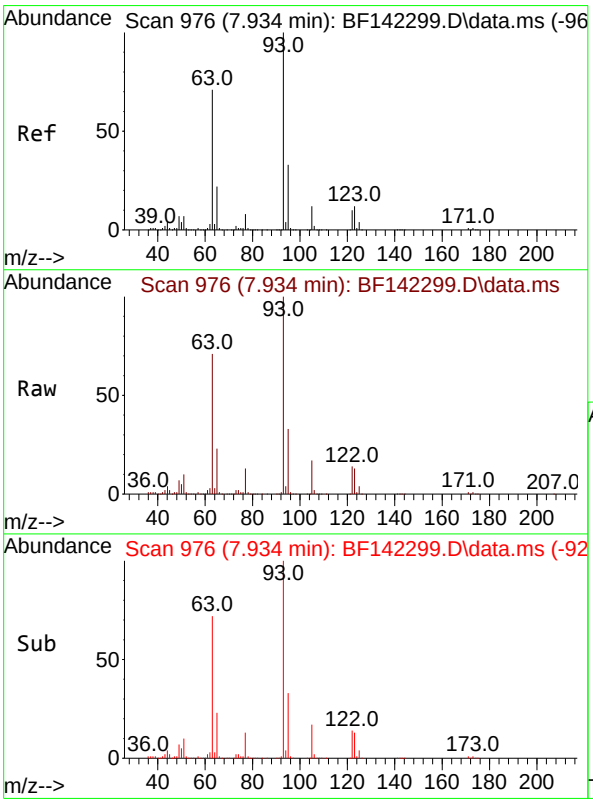
#27
2,4-Dimethylphenol
Concen: 38.139 ng
RT: 7.834 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:122 Resp: 501635

Ion	Ratio	Lower	Upper
122	100		
107	107.5	86.0	129.0
121	57.8	46.2	69.4

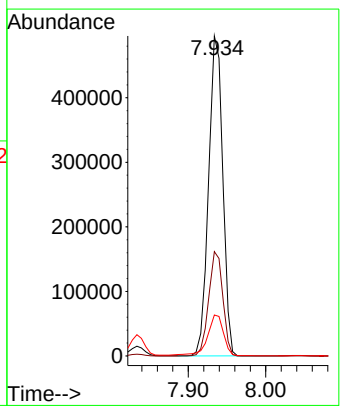


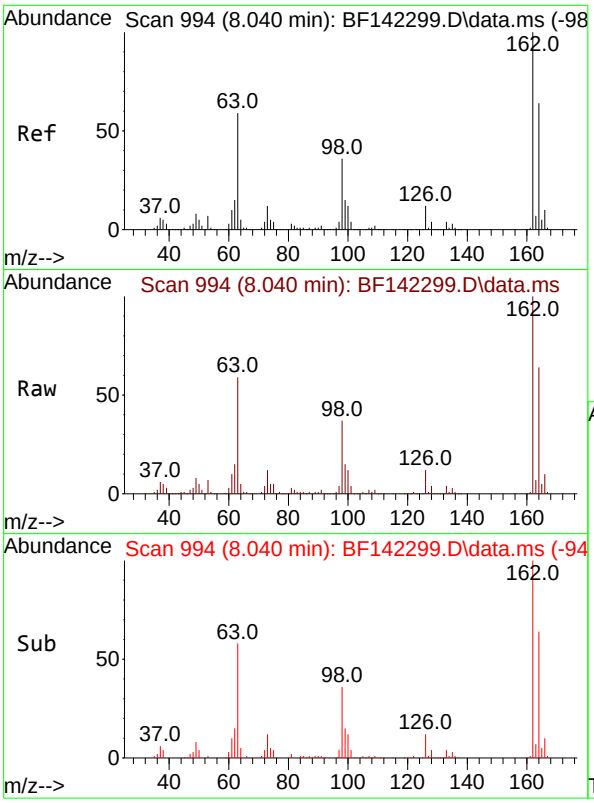


#28
bis(2-Chloroethoxy)methane
Concen: 37.440 ng
RT: 7.934 min Scan# 976
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion: 93 Resp: 629800

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.1	39.1
123	12.8	10.2	15.4



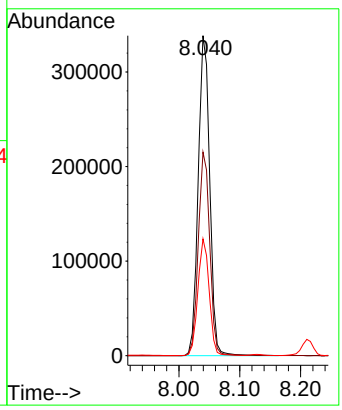


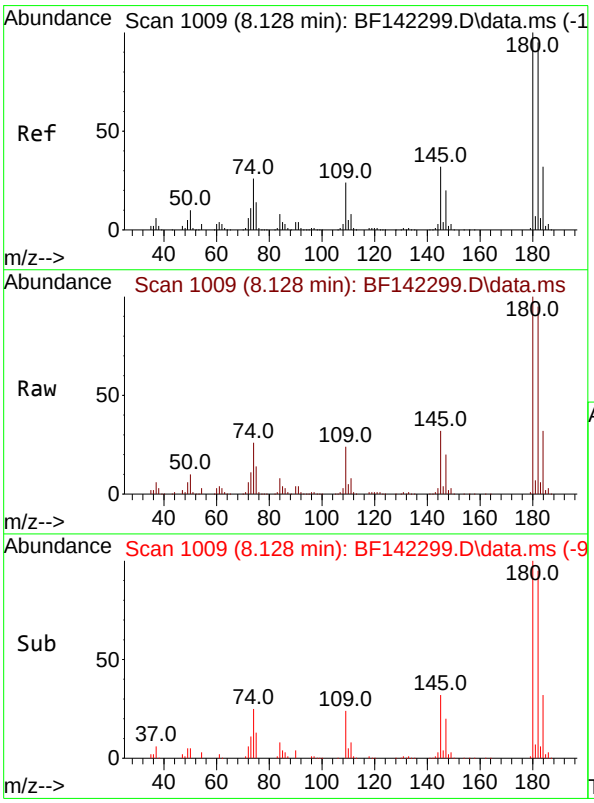
#29
2,4-Dichlorophenol
Concen: 39.562 ng
RT: 8.040 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 442388

Ion	Ratio	Lower	Upper
162	100		
164	63.6	43.6	83.6
98	36.5	16.5	56.5

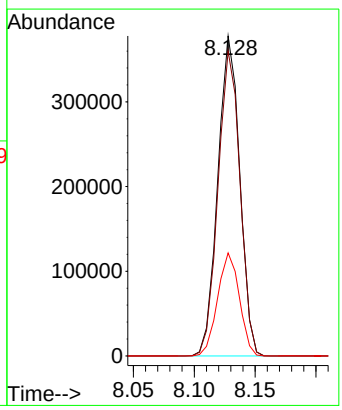


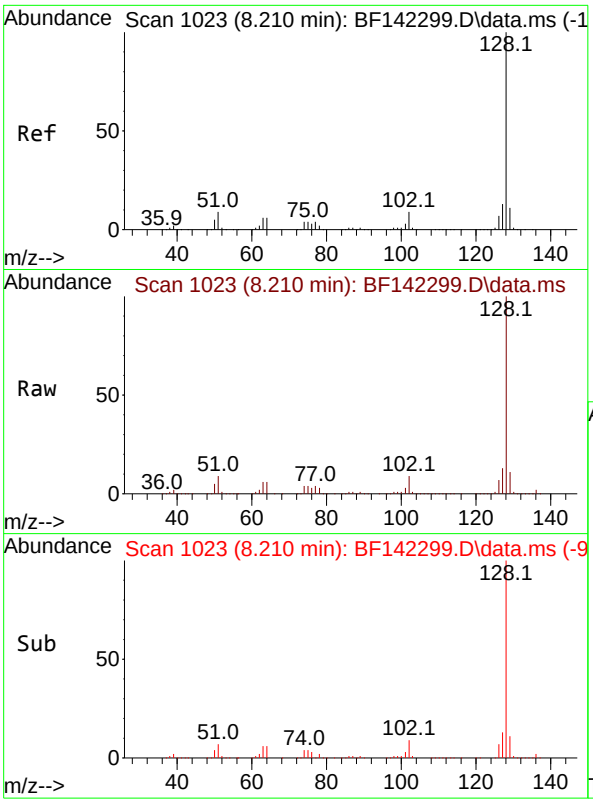


#30
1,2,4-Trichlorobenzene
Concen: 37.625 ng
RT: 8.128 min Scan# 1009
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:180 Resp: 473497

Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.2	114.4
145	32.2	25.8	38.6



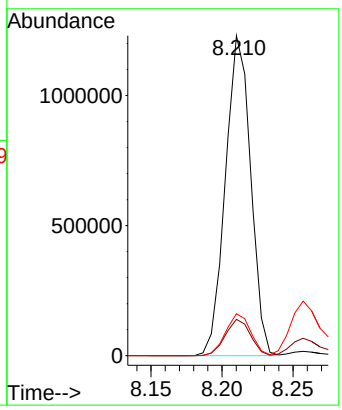


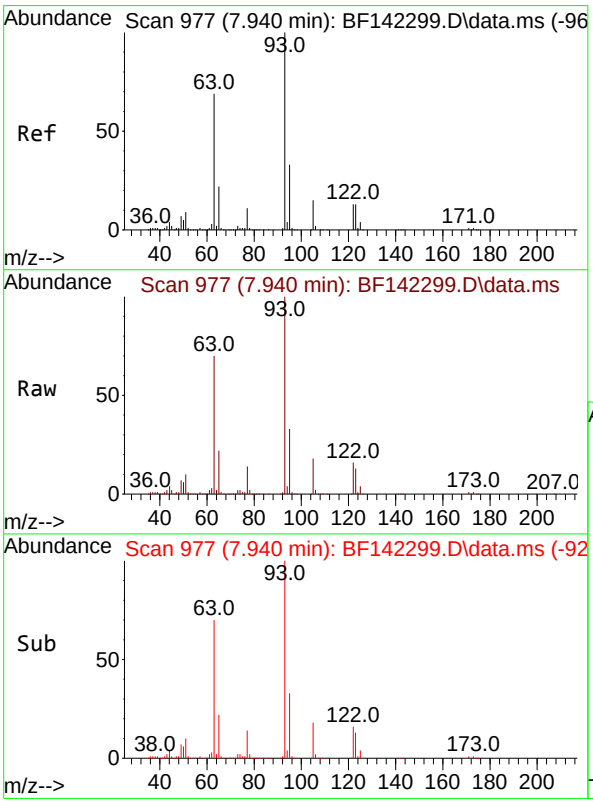
#31
Naphthalene
Concen: 37.372 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:128 Resp: 1526020

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.1	13.7
127	13.1	10.5	15.7

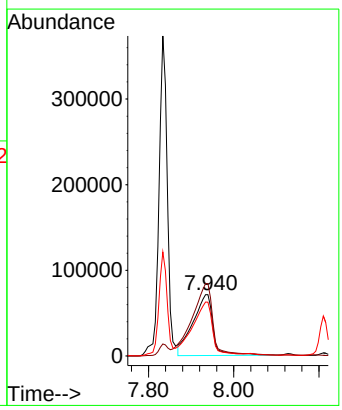


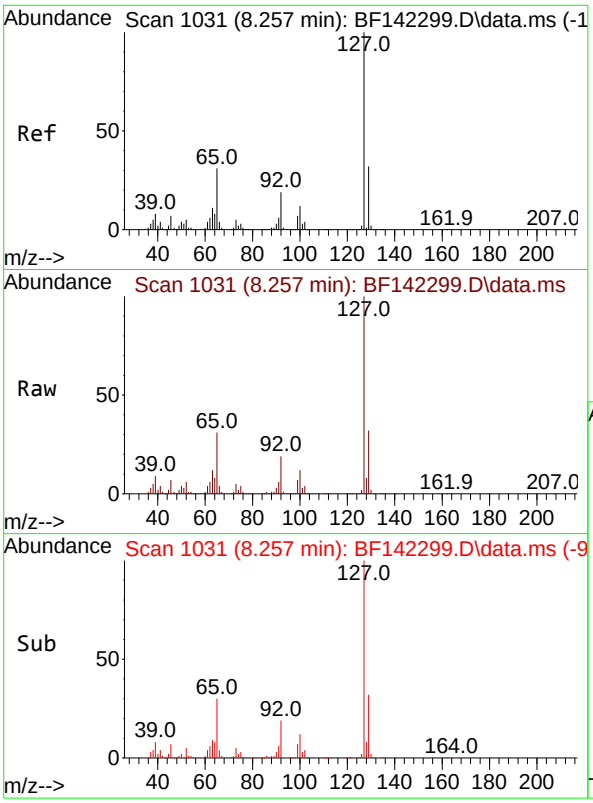


#32
Benzoic acid
Concen: 36.564 ng
RT: 7.940 min Scan# 977
Delta R.T. -0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:122 Resp: 235641

Ion	Ratio	Lower	Upper
122	100		
105	117.9	97.9	137.9
77	87.7	67.7	107.7



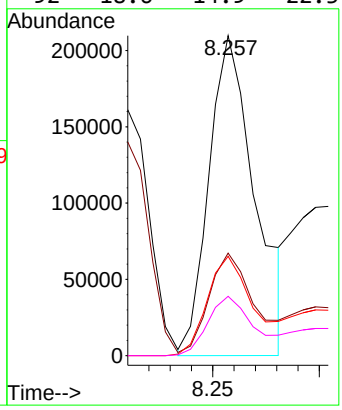


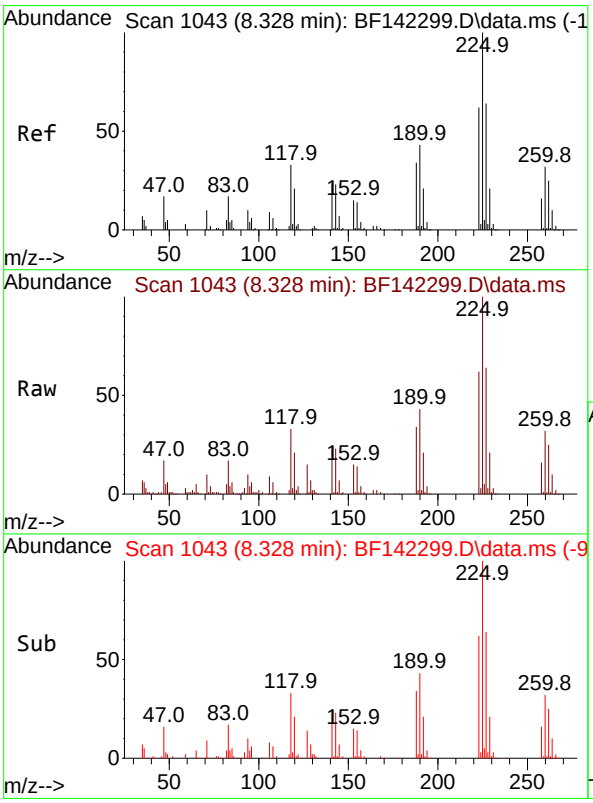
#33
4-Chloroaniline
Concen: 18.914 ng
RT: 8.257 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:127 Resp: 314574

Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.7	38.5
65	31.1	24.9	37.3
92	18.6	14.9	22.3

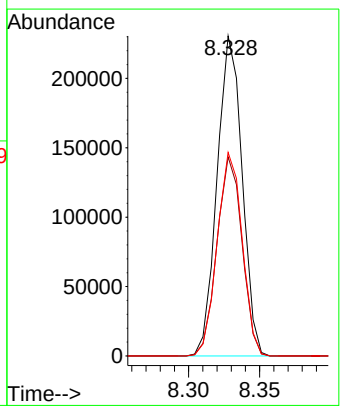


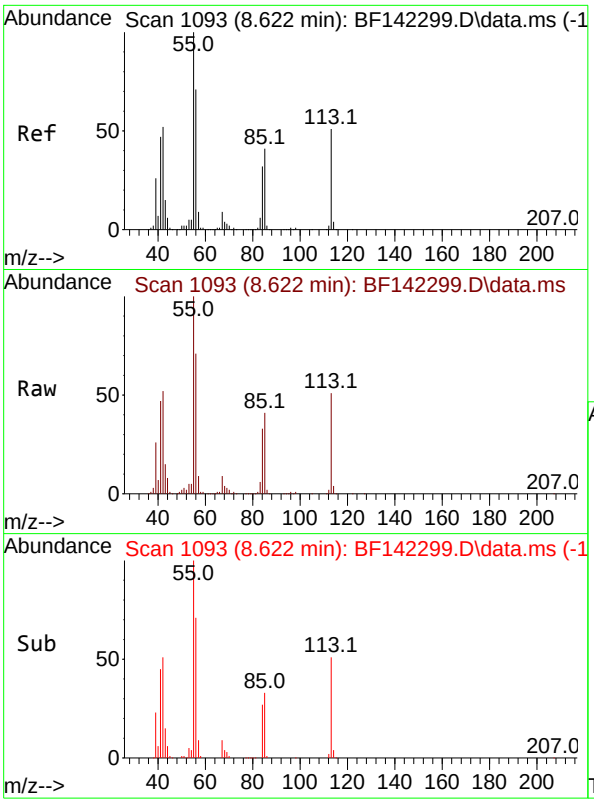


#34
Hexachlorobutadiene
Concen: 37.888 ng
RT: 8.328 min Scan# 1043
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:225 Resp: 282333

Ion	Ratio	Lower	Upper
225	100		
223	62.2	49.8	74.6
227	63.6	50.9	76.3



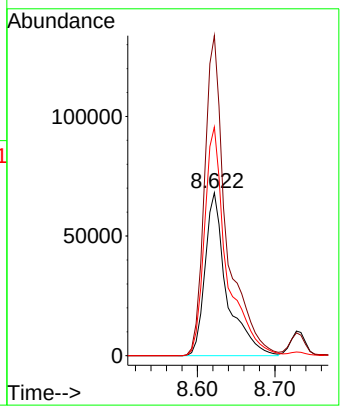


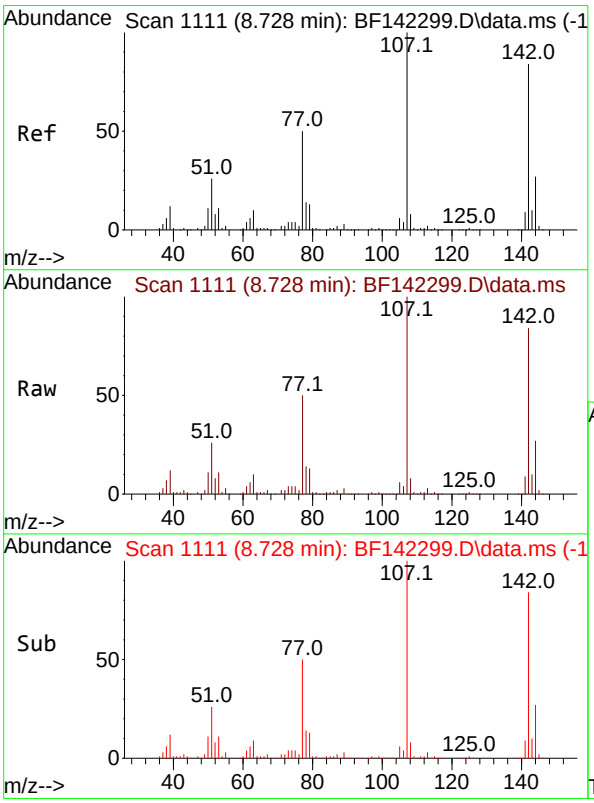
#35
Caprolactam
Concen: 40.850 ng
RT: 8.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:113 Resp: 132846

Ion	Ratio	Lower	Upper
113	100		
55	196.4	176.4	216.4
56	140.3	120.3	160.3

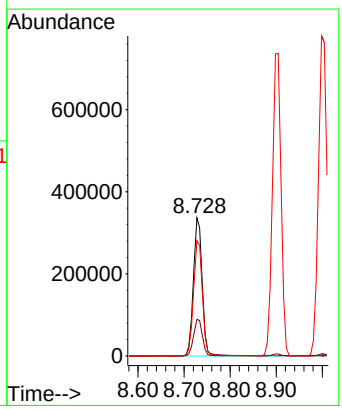


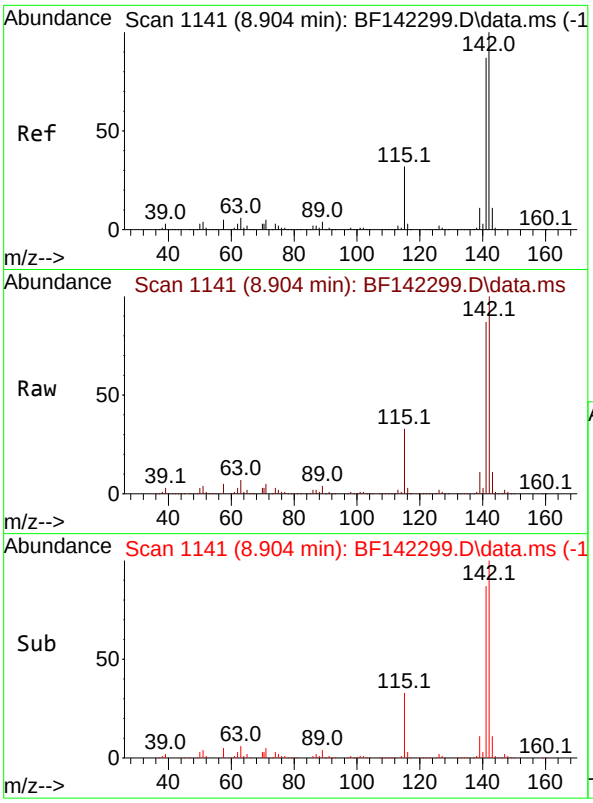


#36
4-Chloro-3-methylphenol
Concen: 38.475 ng
RT: 8.728 min Scan# 1111
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:107 Resp: 447226

Ion	Ratio	Lower	Upper
107	100		
144	26.6	21.3	31.9
142	83.6	66.9	100.3



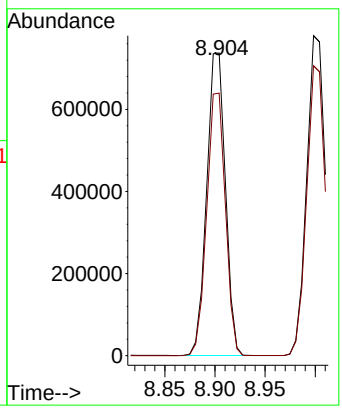


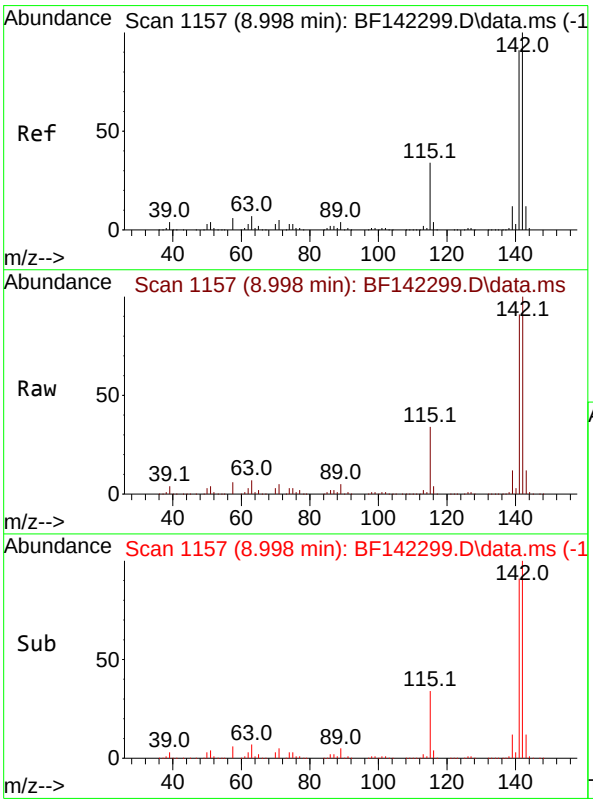
#37
2-Methylnaphthalene
Concen: 37.768 ng
RT: 8.904 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:142 Resp: 958304

Ion	Ratio	Lower	Upper
142	100		
141	86.8	69.4	104.2

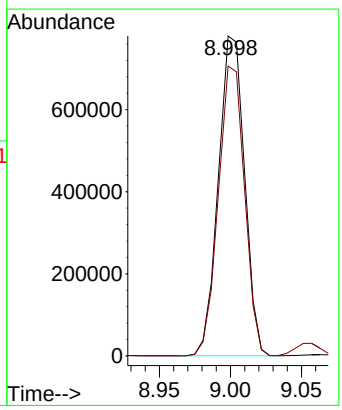


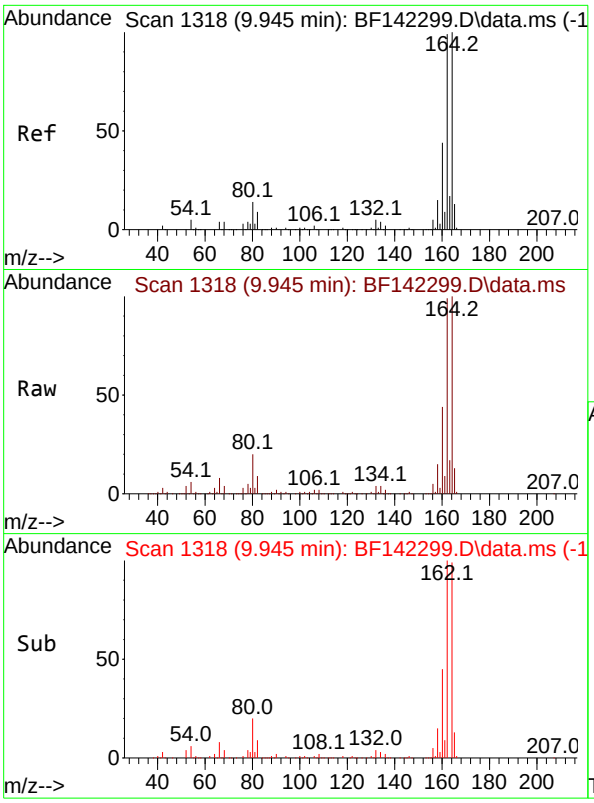


#38
1-Methylnaphthalene
Concen: 37.821 ng
RT: 8.998 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:142 Resp: 1000206

Ion	Ratio	Lower	Upper
142	100		
141	90.6	72.5	108.7



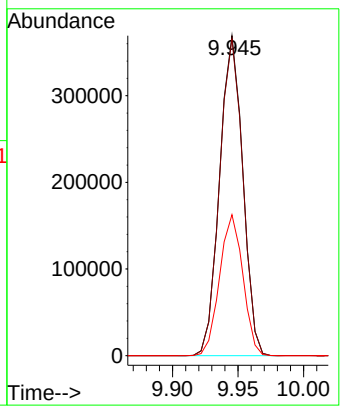


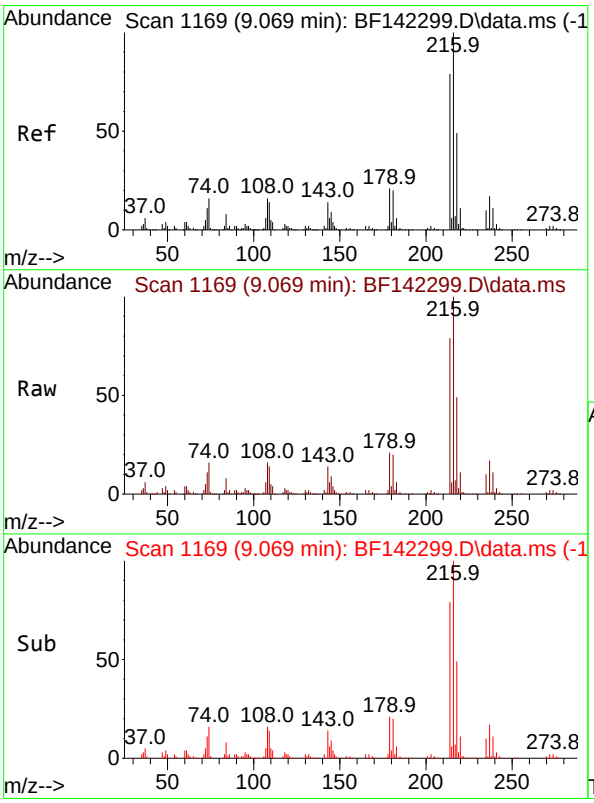
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:164 Resp: 453823

Ion	Ratio	Lower	Upper
164	100		
162	99.0	79.2	118.8
160	44.1	35.3	52.9

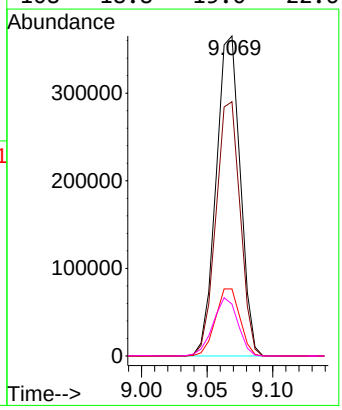


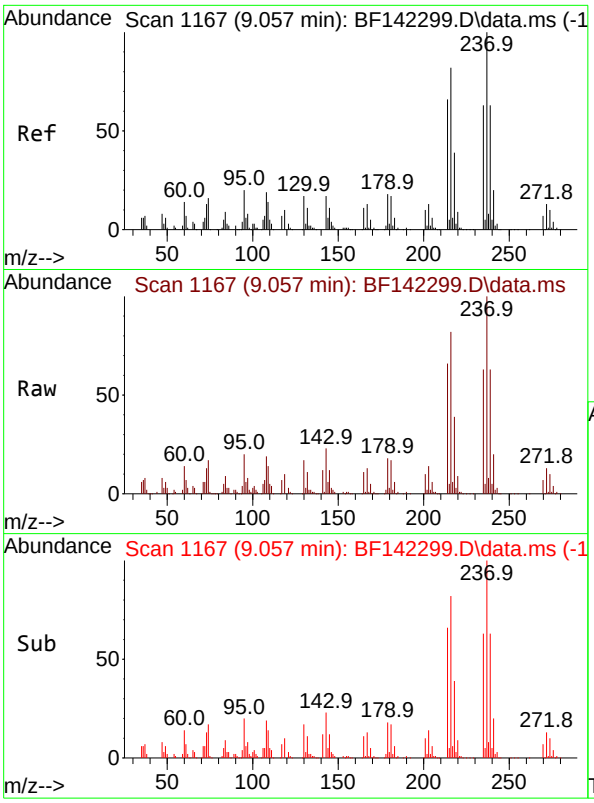


#40
1,2,4,5-Tetrachlorobenzene
Concen: 36.869 ng
RT: 9.069 min Scan# 1169
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:216 Resp: 467314

Ion	Ratio	Lower	Upper
216	100		
214	79.7	63.8	95.6
179	21.3	17.0	25.6
108	18.8	15.0	22.6



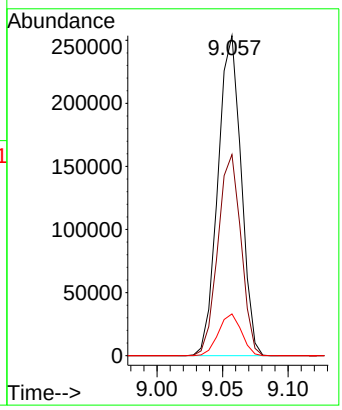


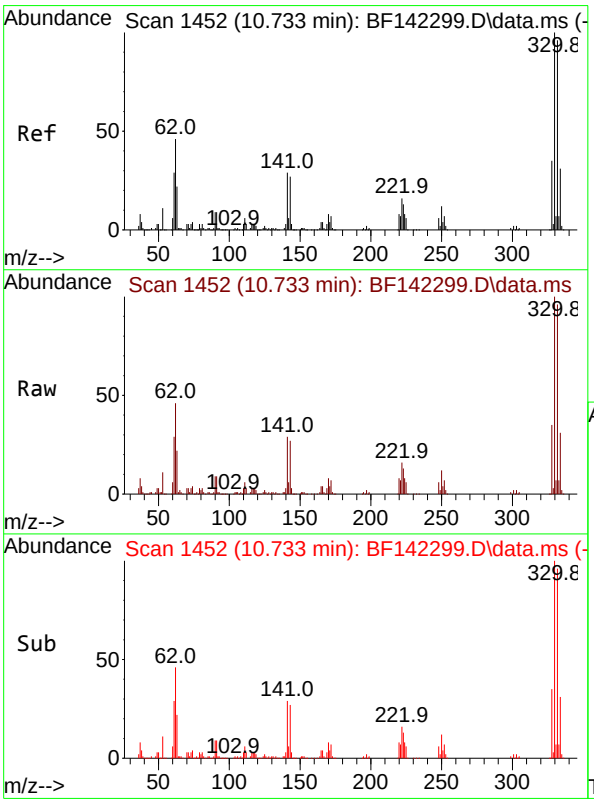
#41
Hexachlorocyclopentadiene
Concen: 39.785 ng
RT: 9.057 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:237 Resp: 311649

Ion	Ratio	Lower	Upper
237	100		
235	62.8	42.8	82.8
272	13.0	0.0	33.0

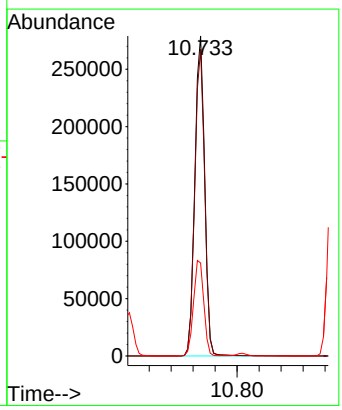


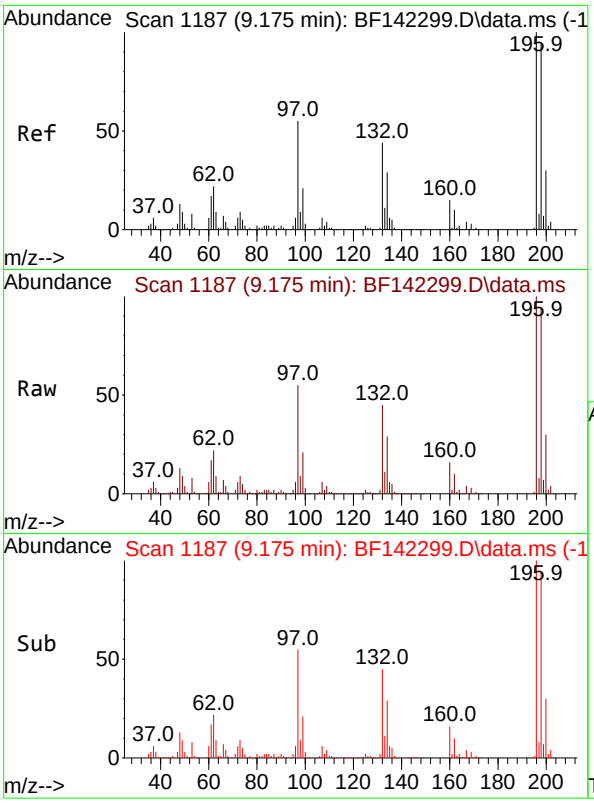


#42
2,4,6-Tribromophenol
Concen: 79.275 ng
RT: 10.733 min Scan# 1452
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:330 Resp: 347351

Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.8	115.2
141	31.1	24.9	37.3



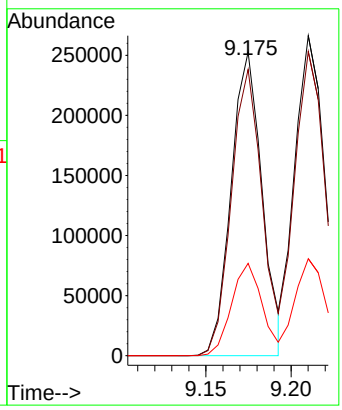


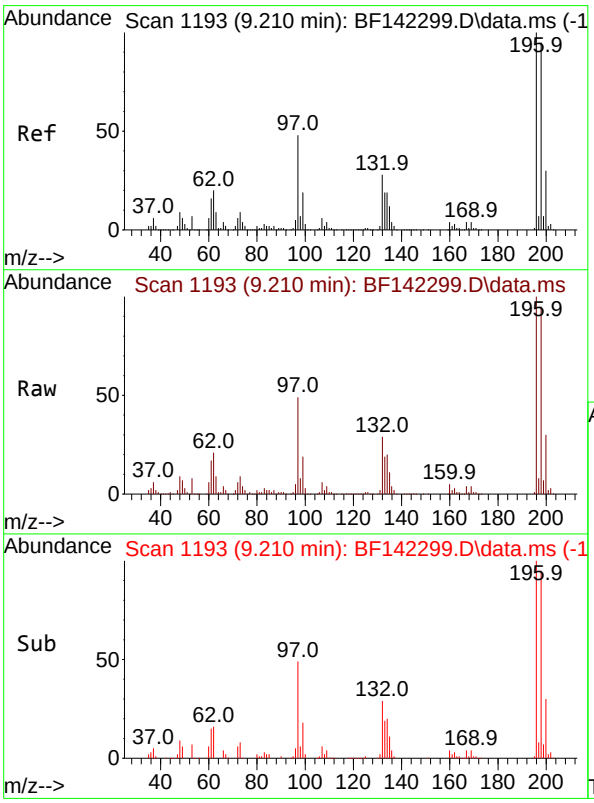
#43
2,4,6-Trichlorophenol
Concen: 39.883 ng
RT: 9.175 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:196 Resp: 318860

Ion	Ratio	Lower	Upper
196	100		
198	94.2	75.4	113.0
200	30.4	24.3	36.5

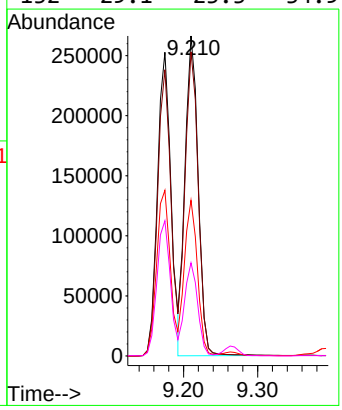


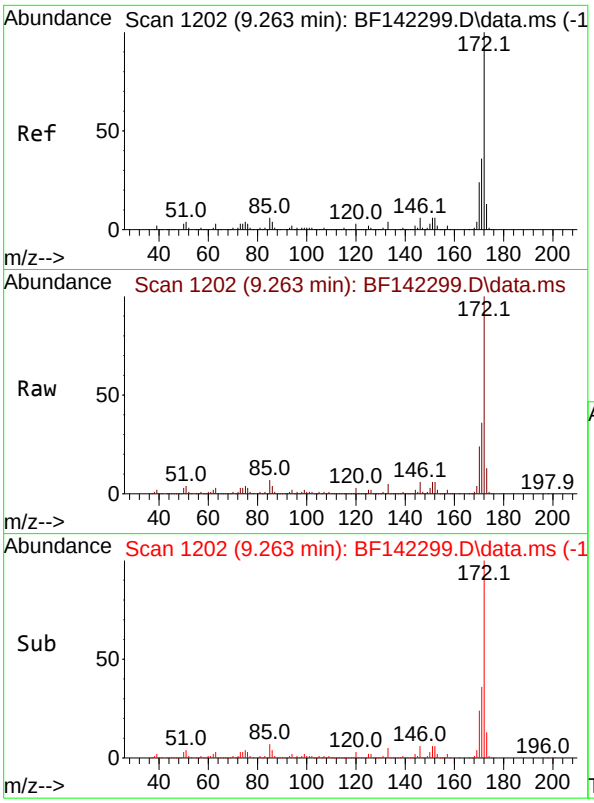


#44
2,4,5-Trichlorophenol
Concen: 38.680 ng
RT: 9.210 min Scan# 1193
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:196 Resp: 329034

Ion	Ratio	Lower	Upper
196	100		
198	95.1	76.1	114.1
97	48.7	39.0	58.4
132	29.1	23.3	34.9



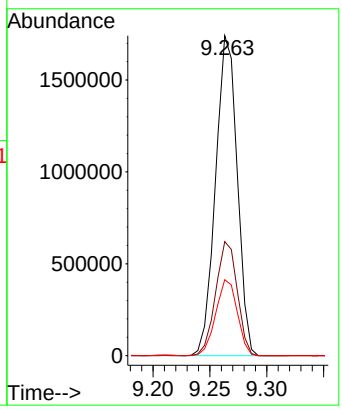


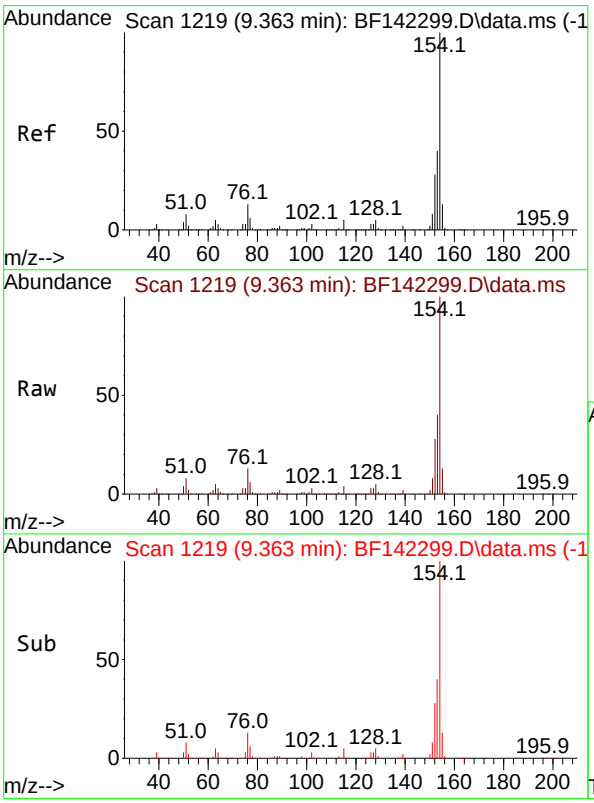
#45
2-Fluorobiphenyl
Concen: 72.545 ng
RT: 9.263 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:172 Resp: 2308950

Ion	Ratio	Lower	Upper
172	100		
171	35.7	28.6	42.8
170	23.7	19.0	28.4

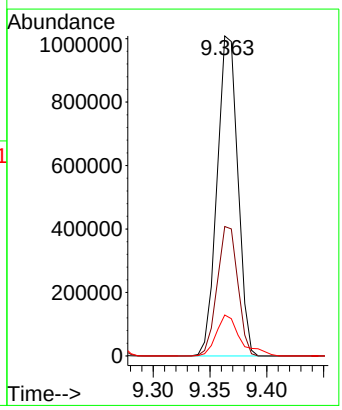


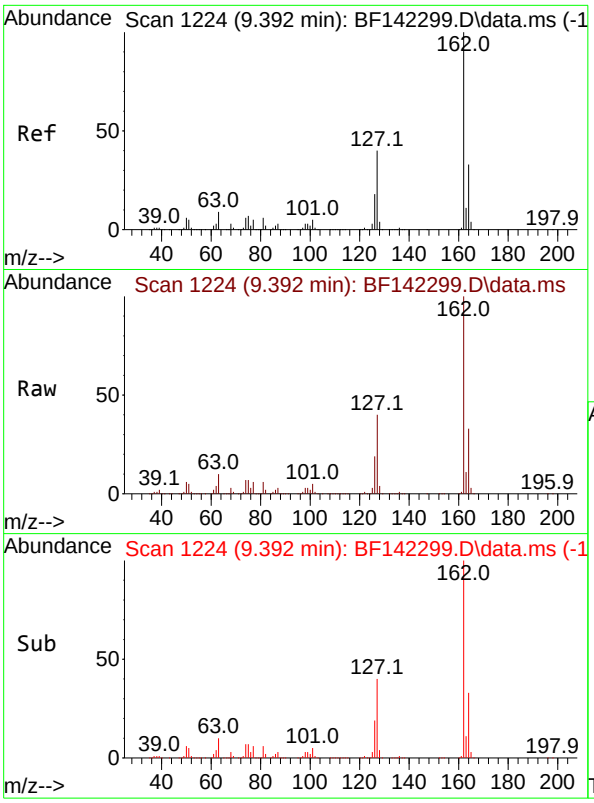


#46
1,1'-Biphenyl
Concen: 36.811 ng
RT: 9.363 min Scan# 1219
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:154 Resp: 1280889

Ion	Ratio	Lower	Upper
154	100		
153	40.5	20.5	60.5
76	12.8	0.0	32.8



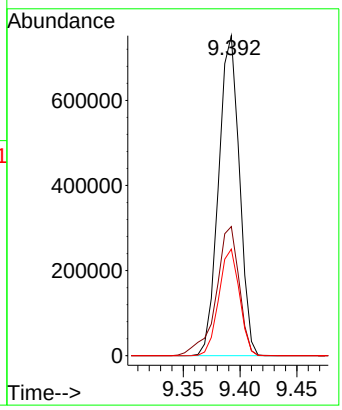


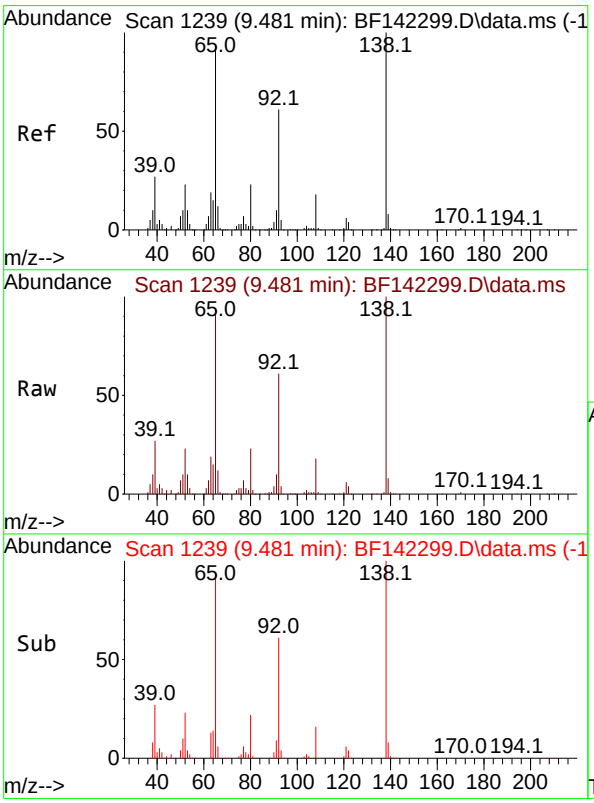
#47
2-Chloronaphthalene
Concen: 37.093 ng
RT: 9.392 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 959880

Ion	Ratio	Lower	Upper
162	100		
127	40.4	32.3	48.5
164	33.3	26.6	40.0

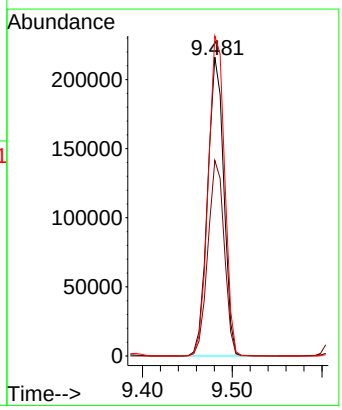


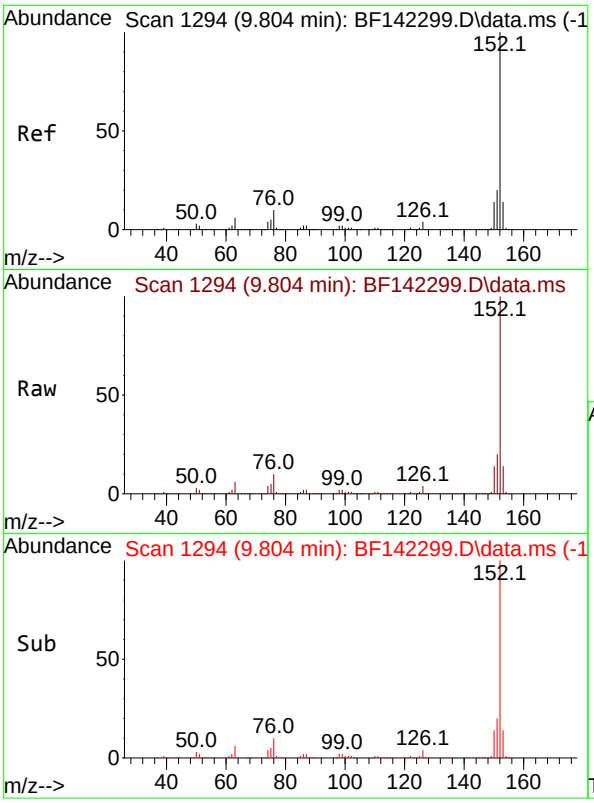


#48
2-Nitroaniline
Concen: 40.808 ng
RT: 9.481 min Scan# 1239
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion: 65 Resp: 270673

Ion	Ratio	Lower	Upper
65	100		
92	65.4	52.3	78.5
138	107.0	85.6	128.4



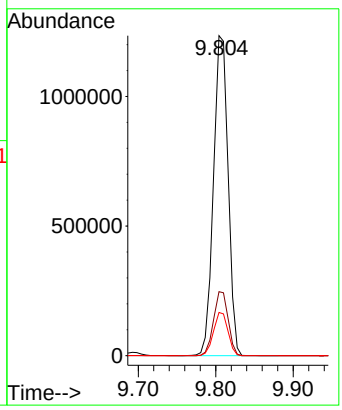


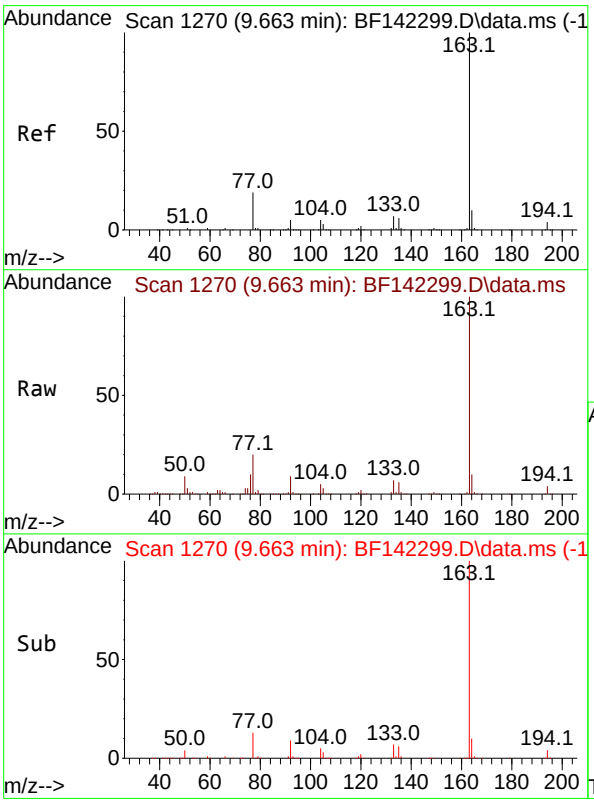
#49
Acenaphthylene
Concen: 37.378 ng
RT: 9.804 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:152 Resp: 1618066

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.0	24.0
153	13.5	10.8	16.2

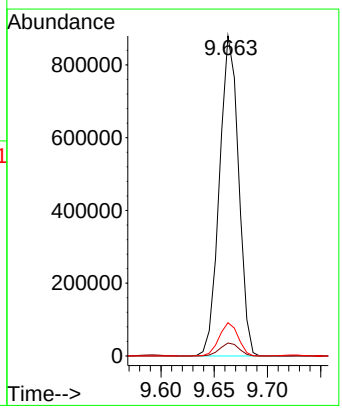


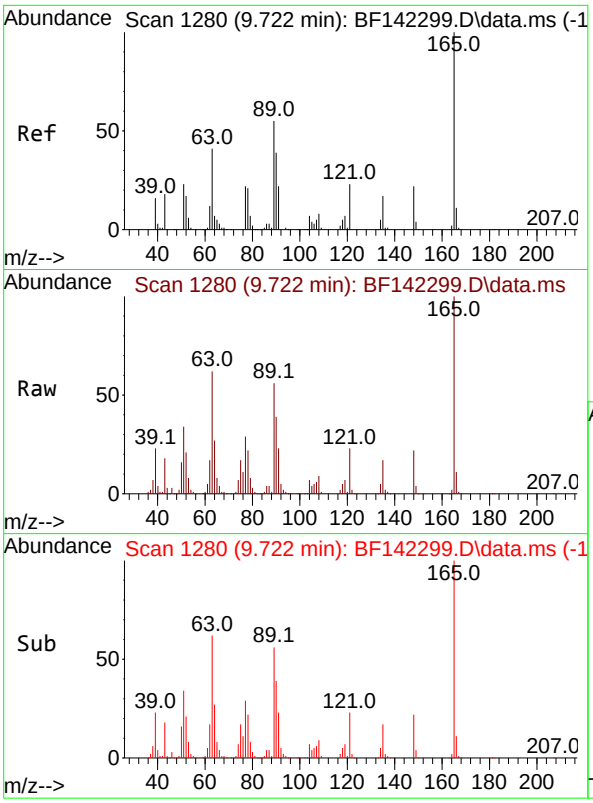


#50
Dimethylphthalate
Concen: 37.675 ng
RT: 9.663 min Scan# 1270
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:163 Resp: 1097900

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.2	4.8
164	10.4	8.3	12.5



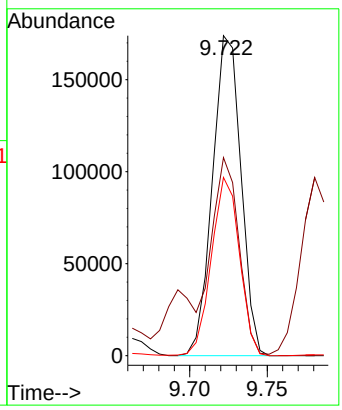


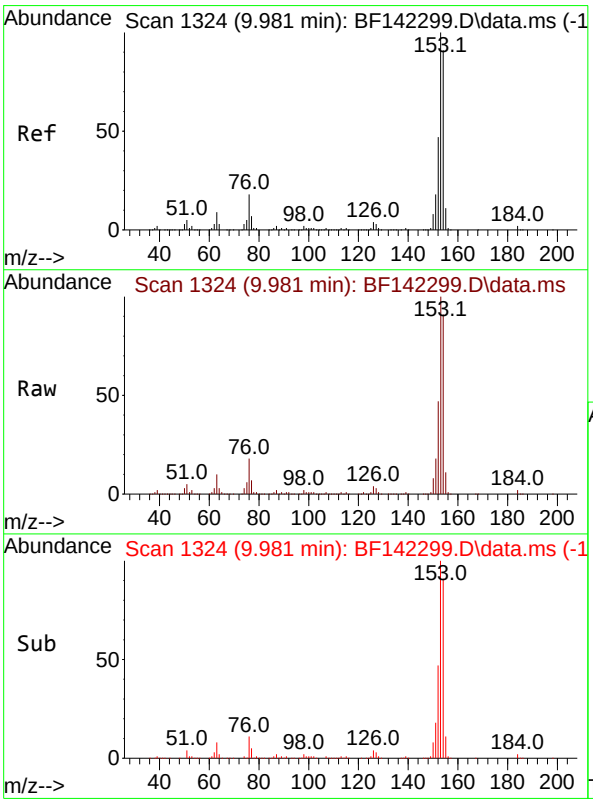
#51
2,6-Dinitrotoluene
Concen: 40.792 ng
RT: 9.722 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 222509

Ion	Ratio	Lower	Upper
165	100		
63	61.9	49.5	74.3
89	55.7	44.6	66.8

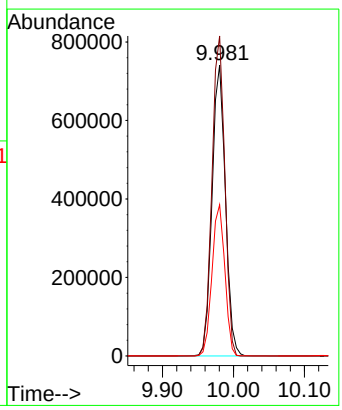


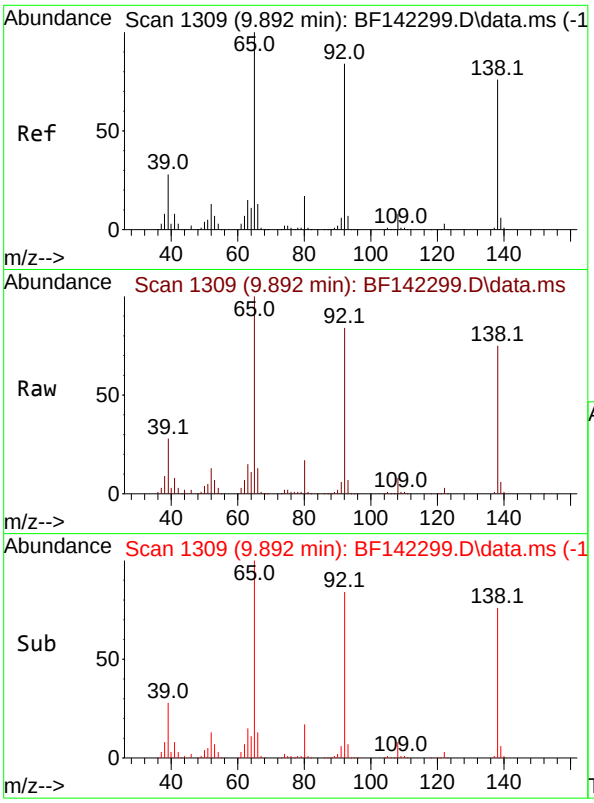


#52
Acenaphthene
Concen: 37.171 ng
RT: 9.981 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:154 Resp: 967532

Ion	Ratio	Lower	Upper
154	100		
153	110.0	88.0	132.0
152	52.0	41.6	62.4



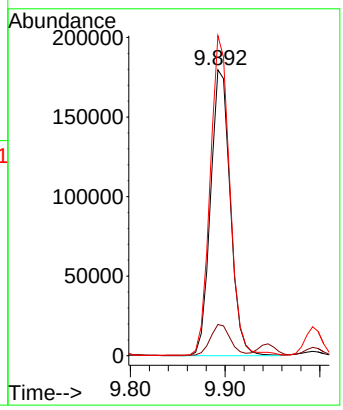


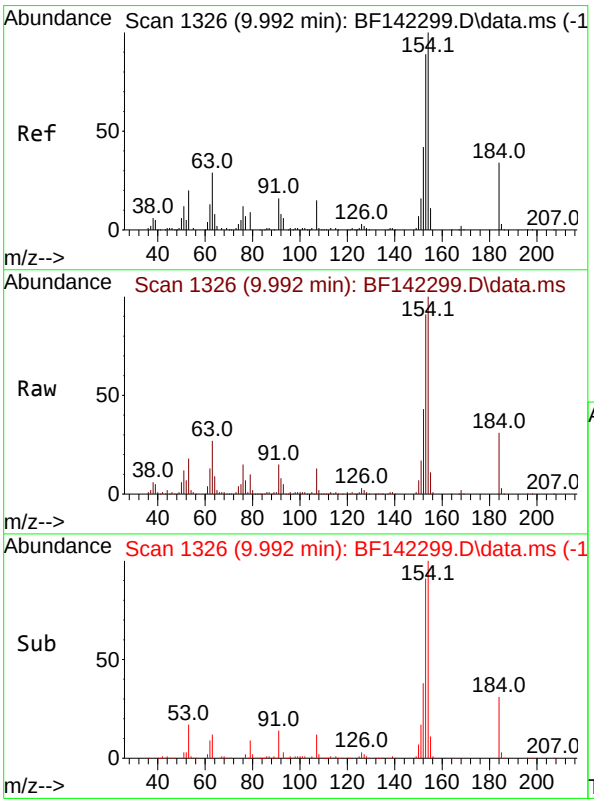
#53
3-Nitroaniline
Concen: 40.600 ng
RT: 9.892 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:138 Resp: 259735

Ion	Ratio	Lower	Upper
138	100		
108	10.9	8.7	13.1
92	111.9	89.5	134.3

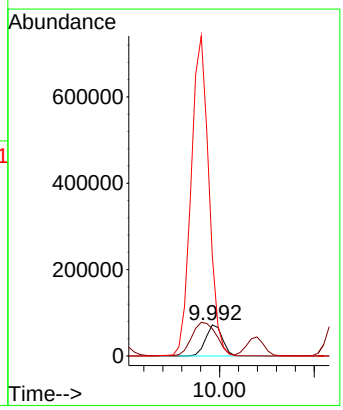


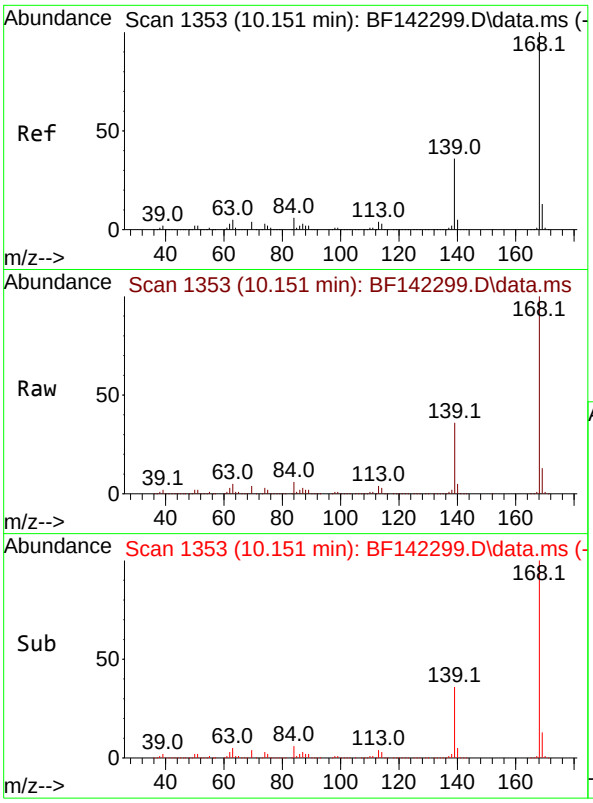


#54
2,4-Dinitrophenol
Concen: 35.617 ng
RT: 9.992 min Scan# 1326
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:184 Resp: 88227

Ion	Ratio	Lower	Upper
184	100		
63	88.2	70.6	105.8
154	321.5	257.2	385.8



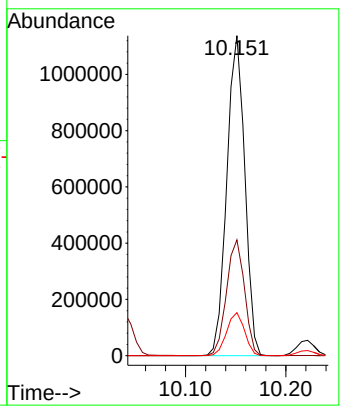


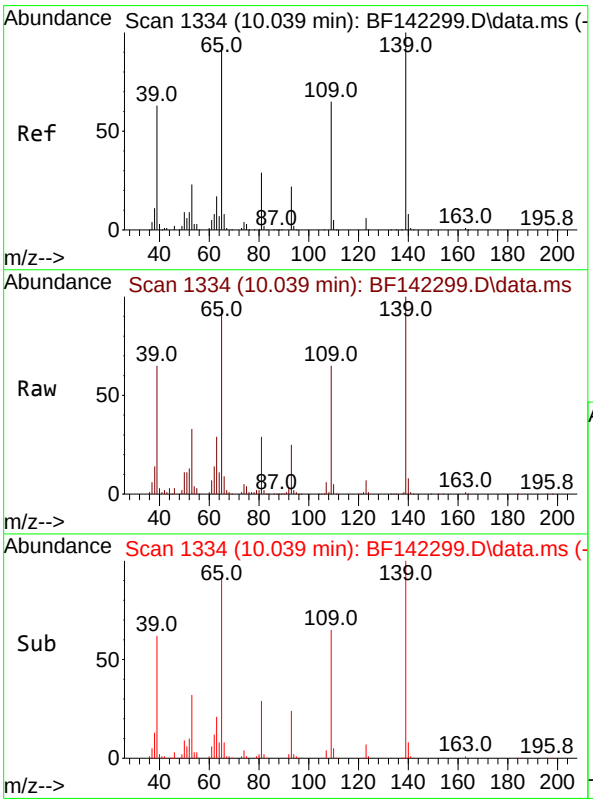
#55
Dibenzofuran
Concen: 36.745 ng
RT: 10.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:168 Resp: 1411519

Ion	Ratio	Lower	Upper
168	100		
139	36.2	29.0	43.4
169	13.4	10.7	16.1

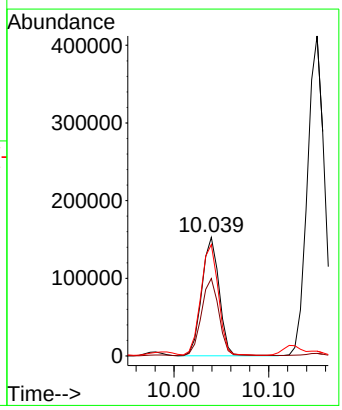


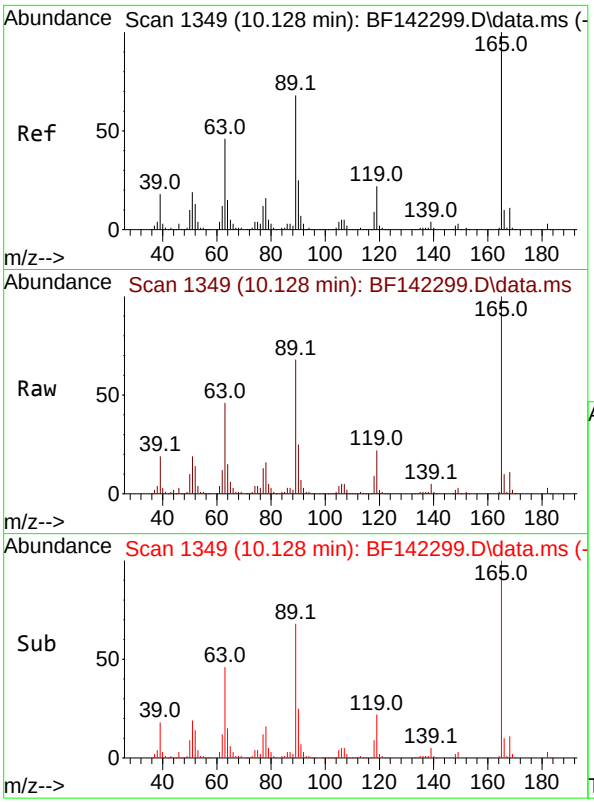


#56
4-Nitrophenol
Concen: 40.380 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:139 Resp: 194419

Ion	Ratio	Lower	Upper
139	100		
109	65.3	45.3	85.3
65	93.9	73.9	113.9



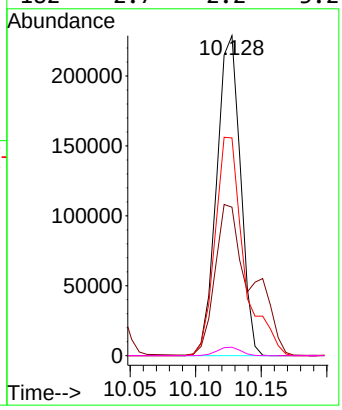


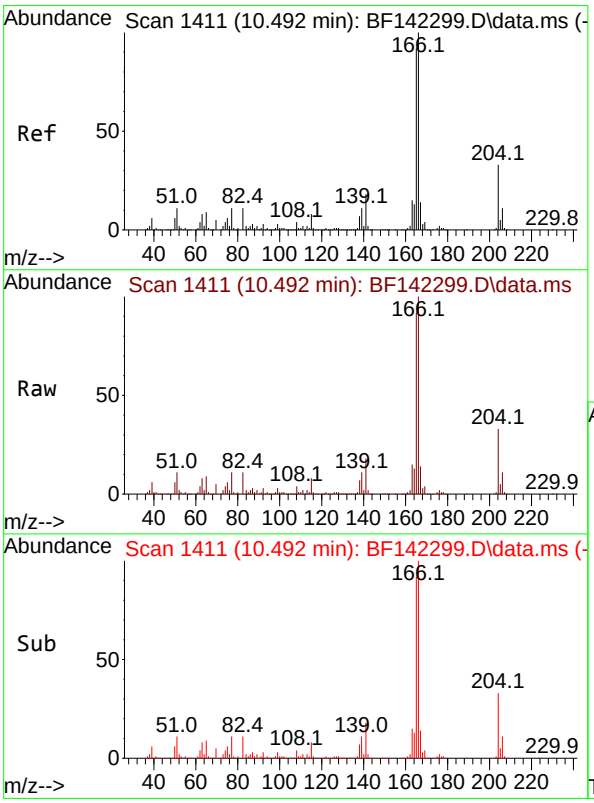
#57
2,4-Dinitrotoluene
Concen: 41.281 ng
RT: 10.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:165 Resp: 288836

Ion	Ratio	Lower	Upper
165	100		
63	46.4	37.1	55.7
89	68.0	54.4	81.6
182	2.7	2.2	3.2

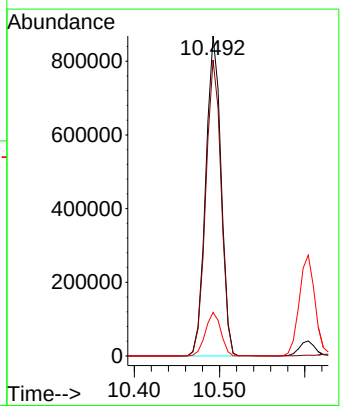


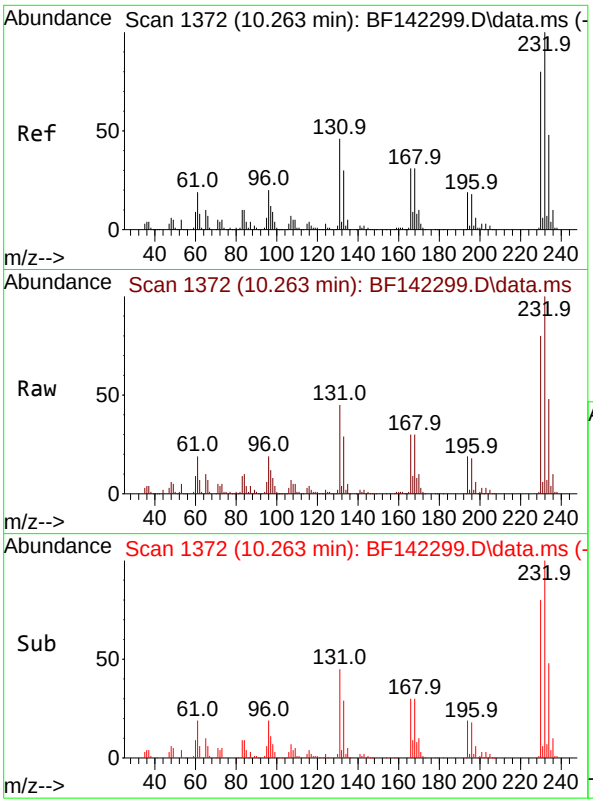


#58
Fluorene
Concen: 36.984 ng
RT: 10.492 min Scan# 1411
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:166 Resp: 1084214

Ion	Ratio	Lower	Upper
166	100		
165	92.5	74.0	111.0
167	13.6	10.9	16.3



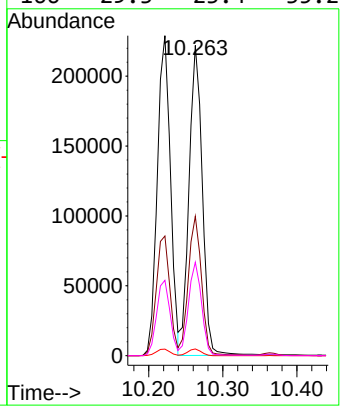


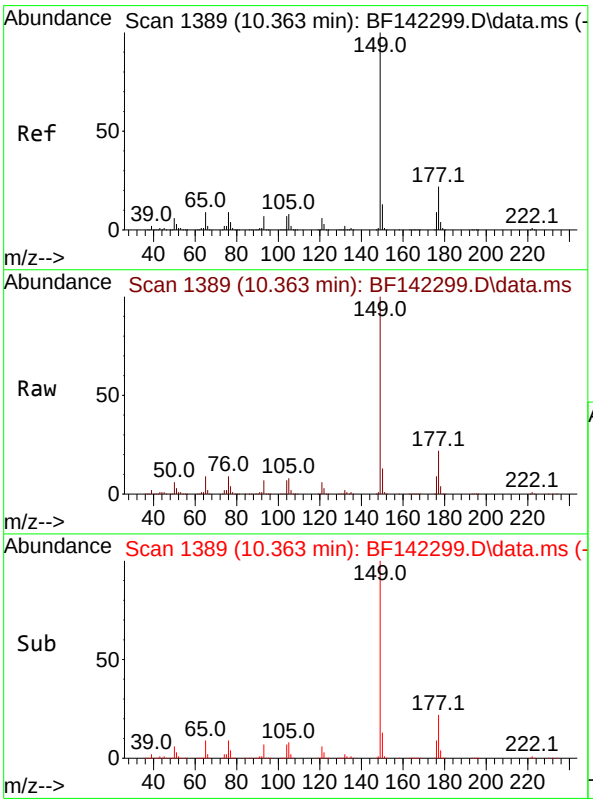
#59
2,3,4,6-Tetrachlorophenol
Concen: 39.451 ng
RT: 10.263 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:232 Resp: 277041

Ion	Ratio	Lower	Upper
232	100		
131	45.0	36.0	54.0
130	2.2	1.8	2.6
166	29.3	23.4	35.2

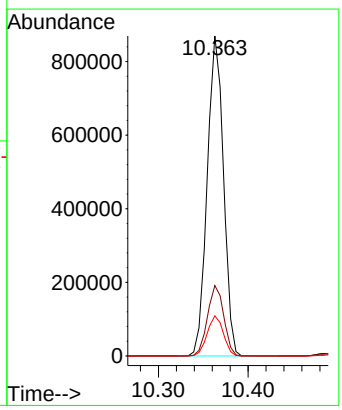


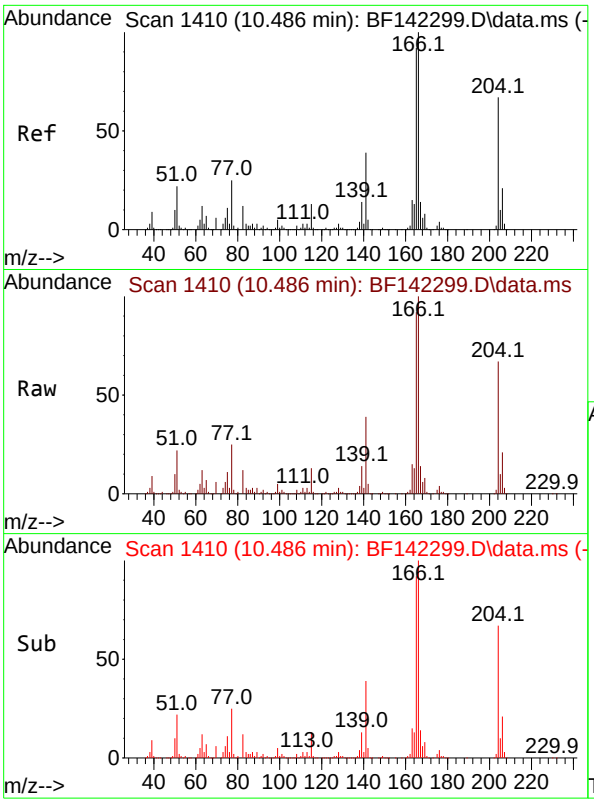


#60
Diethylphthalate
Concen: 37.640 ng
RT: 10.363 min Scan# 1389
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:149 Resp: 1095399

Ion	Ratio	Lower	Upper
149	100		
177	22.0	17.6	26.4
150	12.6	10.1	15.1



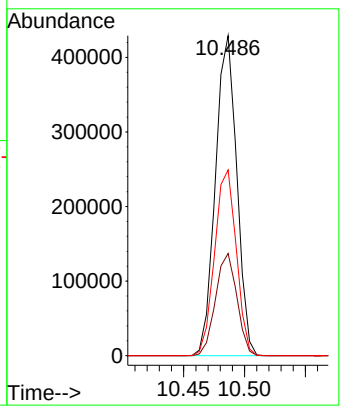


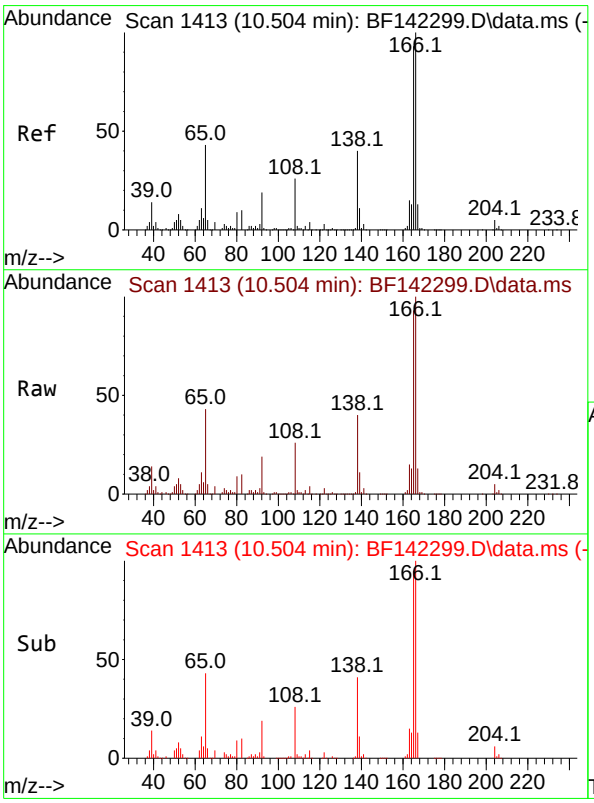
#61
4-Chlorophenyl-phenylether
Concen: 37.028 ng
RT: 10.486 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:204 Resp: 523719

Ion	Ratio	Lower	Upper
204	100		
206	31.9	25.5	38.3
141	58.0	46.4	69.6

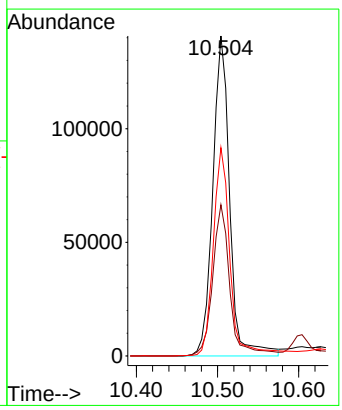


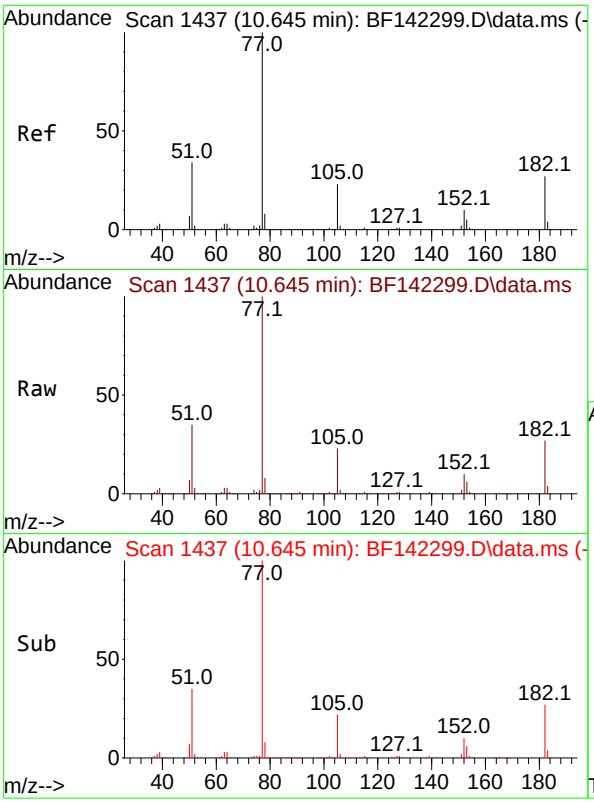


#62
4-Nitroaniline
Concen: 40.198 ng
RT: 10.504 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:138 Resp: 203816

Ion	Ratio	Lower	Upper
138	100		
92	47.3	27.3	67.3
108	65.1	45.1	85.1



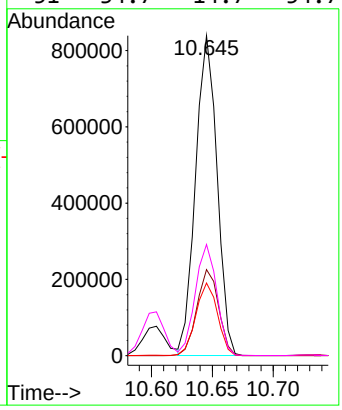


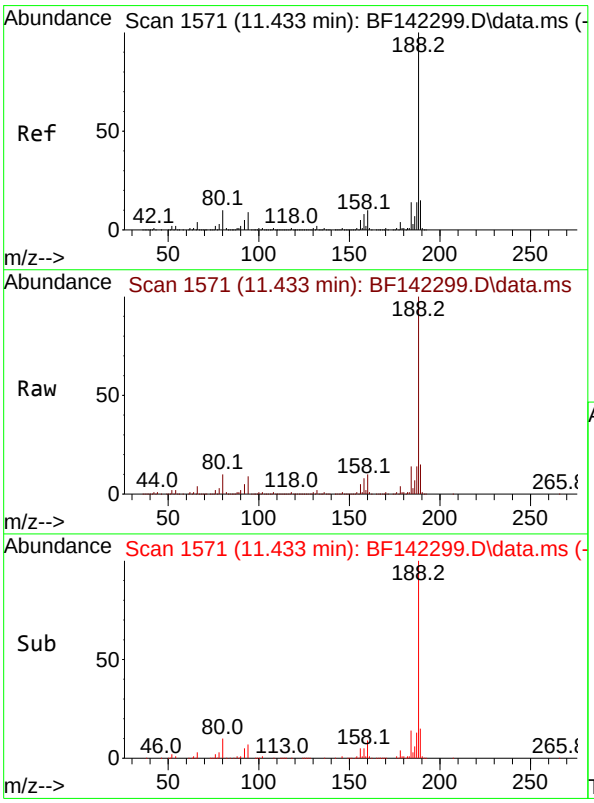
#63
Azobenzene
Concen: 36.938 ng
RT: 10.645 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 1027227

Ion	Ratio	Lower	Upper
77	100		
182	26.9	6.9	46.9
105	22.7	2.7	42.7
51	34.7	14.7	54.7

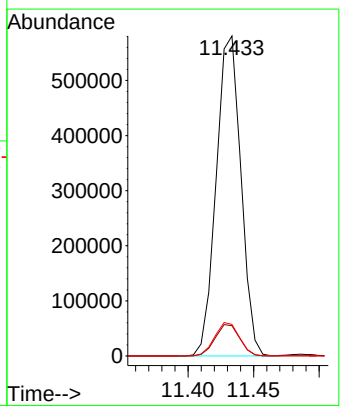


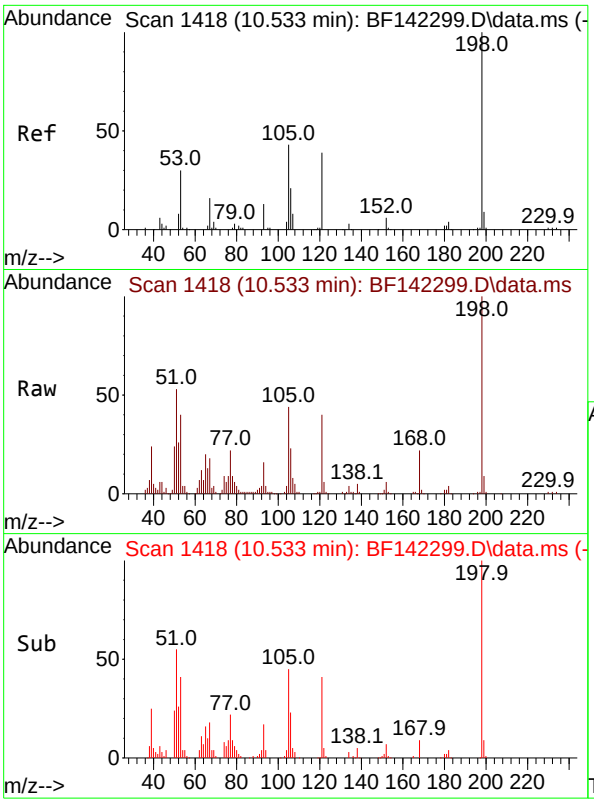


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1571
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:188 Resp: 760936

Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.5	11.3
80	9.9	7.9	11.9



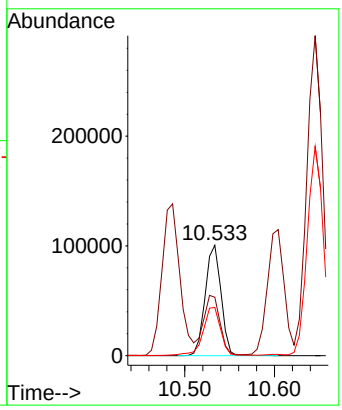


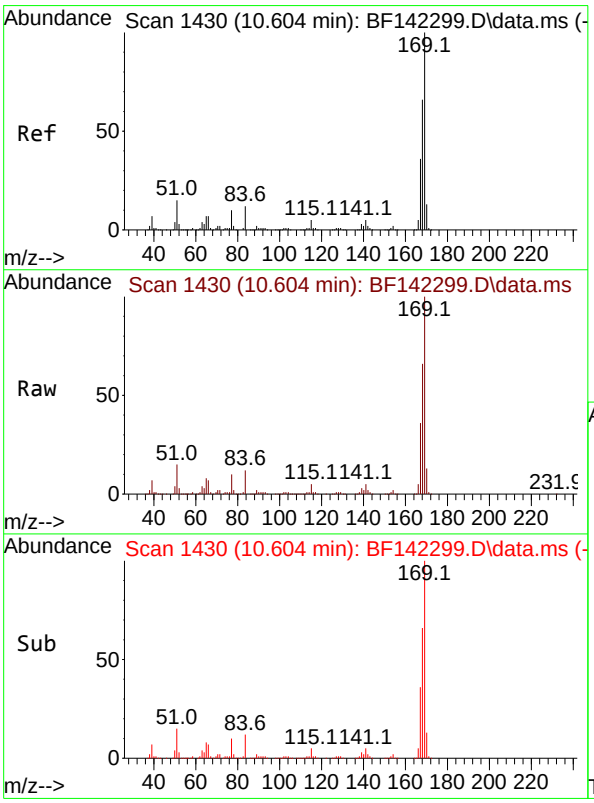
#65
4,6-Dinitro-2-methylphenol
Concen: 36.690 ng
RT: 10.533 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:198 Resp: 123079

Ion	Ratio	Lower	Upper
198	100		
51	52.9	32.9	72.9
105	43.7	23.7	63.7

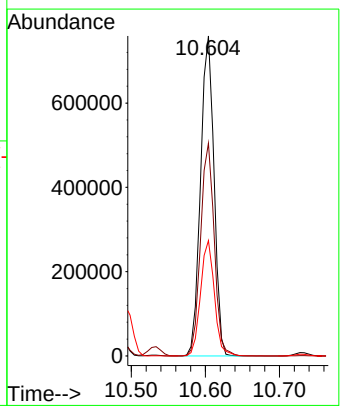


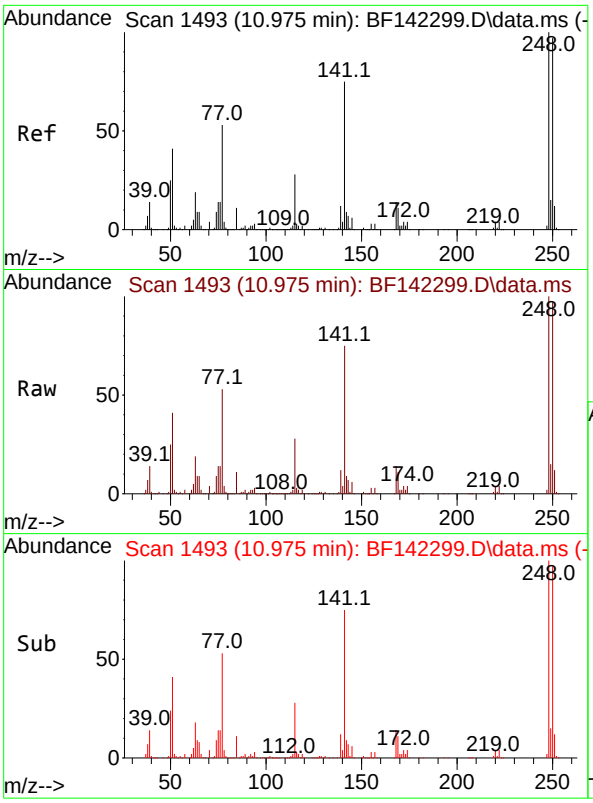


#66
n-Nitrosodiphenylamine
Concen: 37.816 ng
RT: 10.604 min Scan# 1430
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:169 Resp: 957534

Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.2	79.8
167	36.1	28.9	43.3



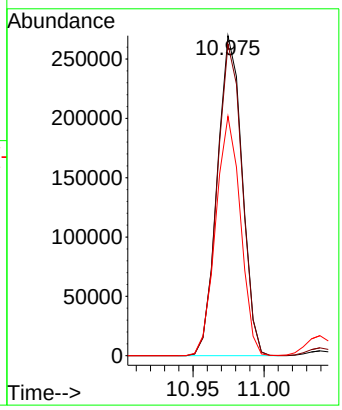


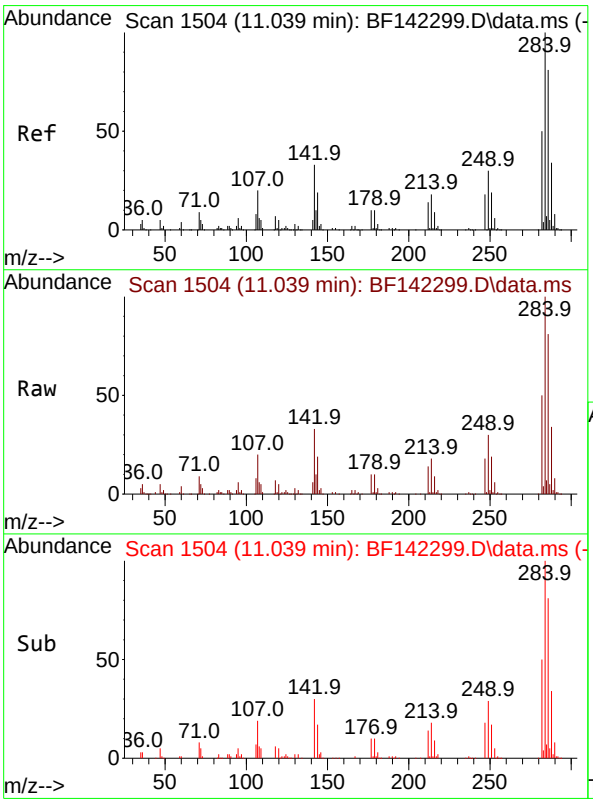
#67
4-Bromophenyl-phenylether
Concen: 38.106 ng
RT: 10.975 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:248 Resp: 328625

Ion	Ratio	Lower	Upper
248	100		
250	97.4	77.9	116.9
141	74.8	59.8	89.8

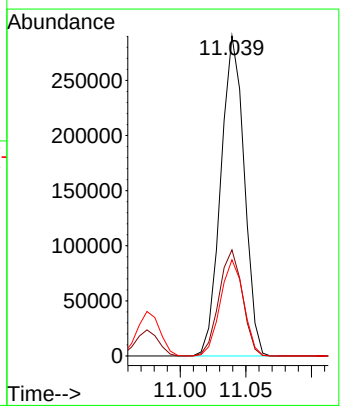


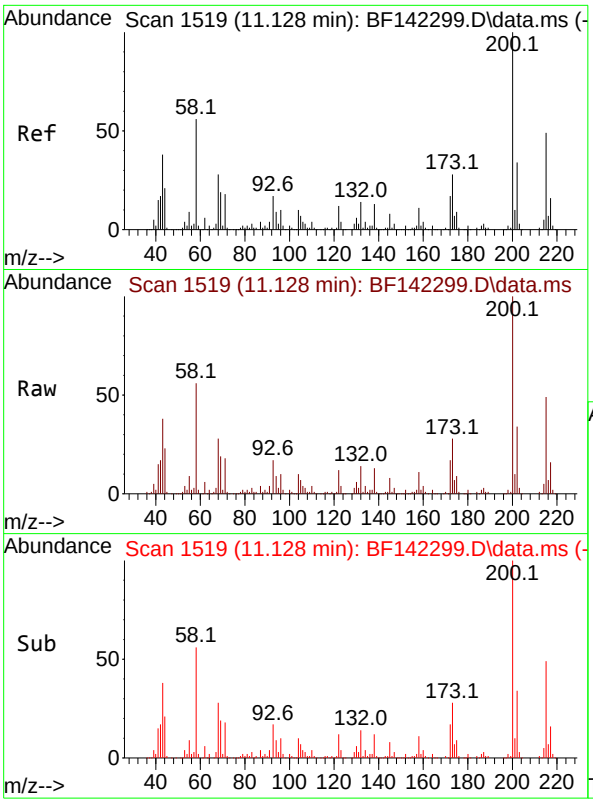


#68
Hexachlorobenzene
Concen: 38.046 ng
RT: 11.039 min Scan# 1504
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:284 Resp: 360906

Ion	Ratio	Lower	Upper
284	100		
142	33.2	26.6	39.8
249	30.1	24.1	36.1



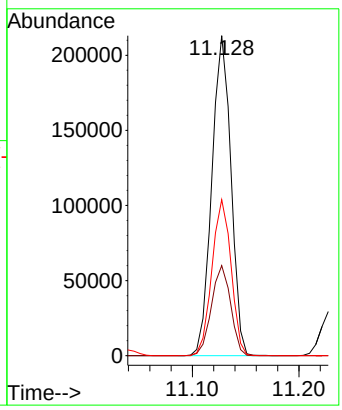


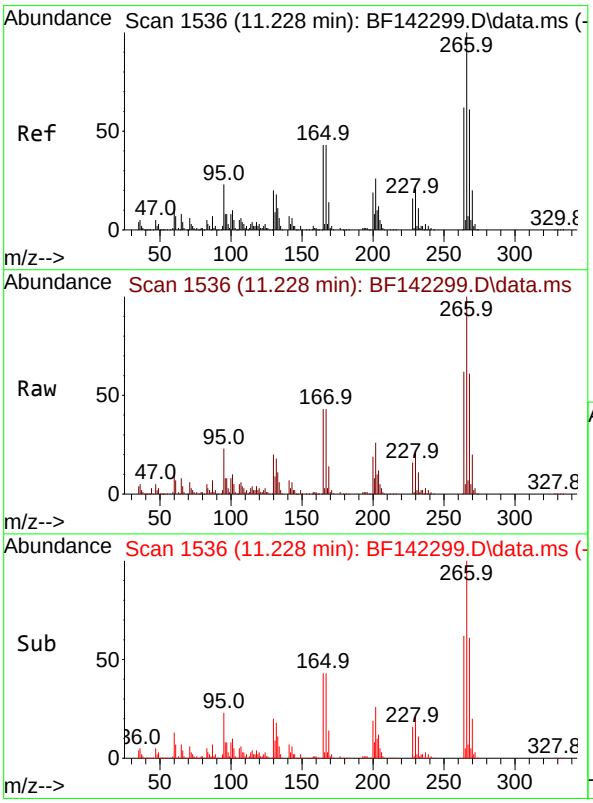
#69
Atrazine
Concen: 39.786 ng
RT: 11.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:200 Resp: 265558

Ion	Ratio	Lower	Upper
200	100		
173	28.1	8.1	48.1
215	48.8	28.8	68.8

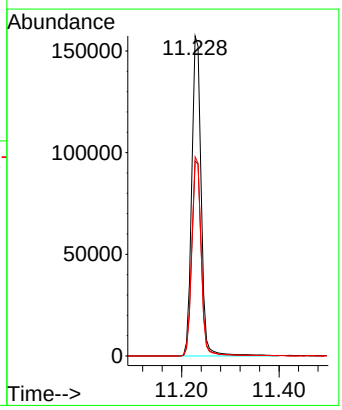


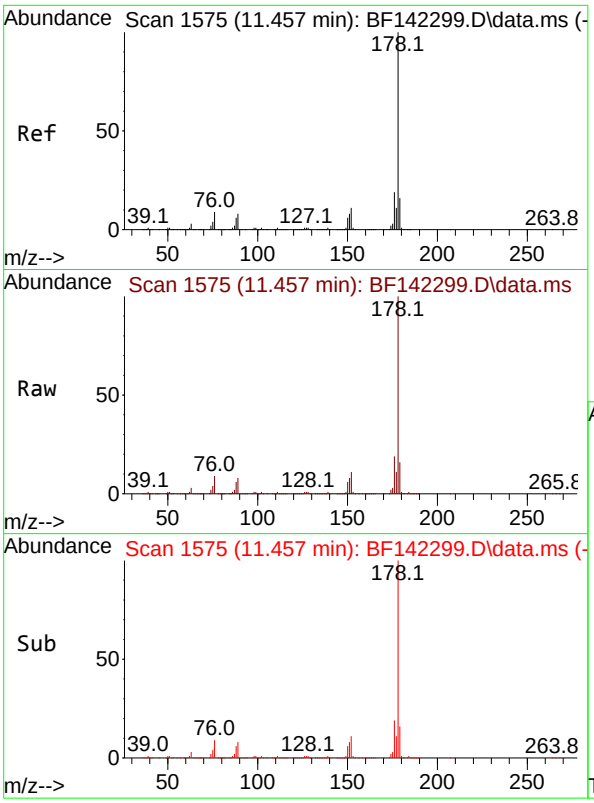


#70
Pentachlorophenol
Concen: 42.334 ng
RT: 11.228 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:266 Resp: 211262

Ion	Ratio	Lower	Upper
266	100		
268	60.9	48.7	73.1
264	62.2	49.8	74.6



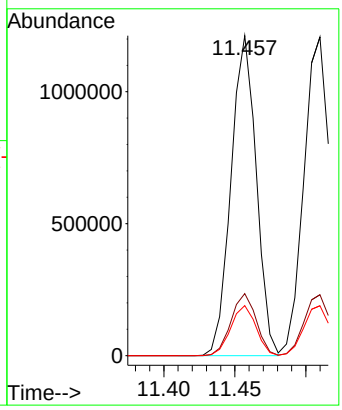


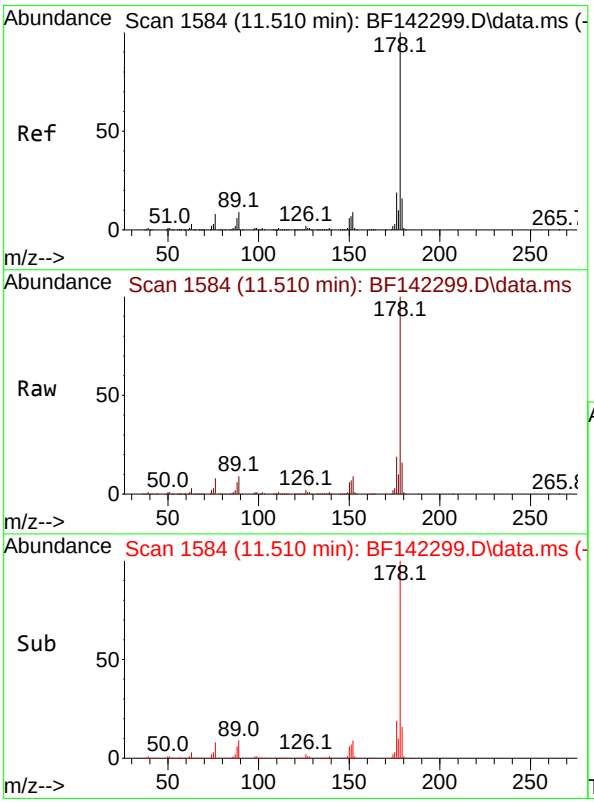
#71
Phenanthrene
Concen: 37.687 ng
RT: 11.457 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:178 Resp: 1503192

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.5	23.3
179	15.7	12.6	18.8

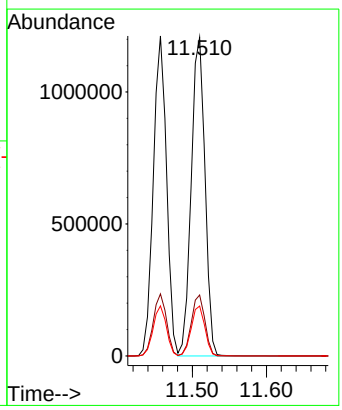


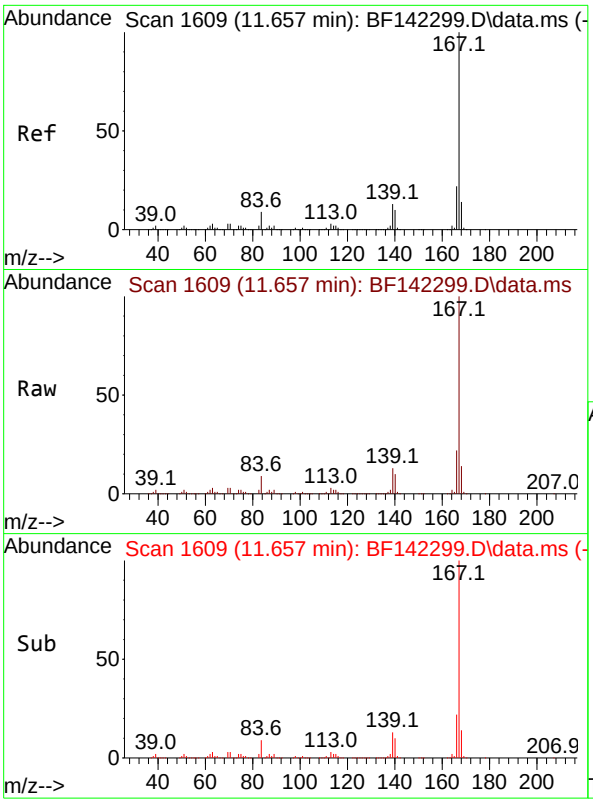


#72
Anthracene
Concen: 37.808 ng
RT: 11.510 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:178 Resp: 1549487

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.7	12.6	18.8



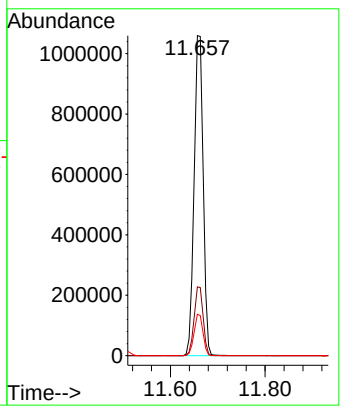


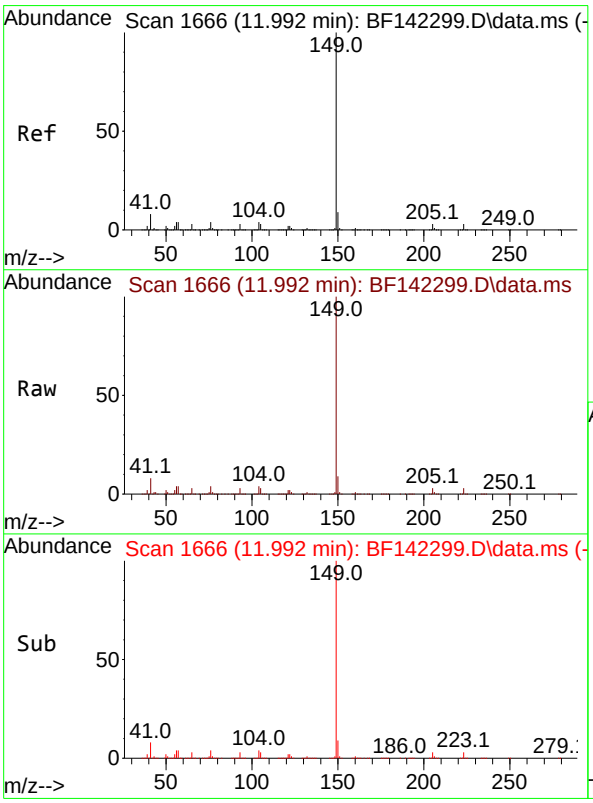
#73
Carbazole
Concen: 38.332 ng
RT: 11.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:167 Resp: 1409408

Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.2	25.8
139	12.9	10.3	15.5

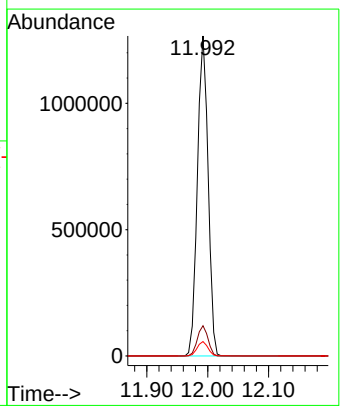


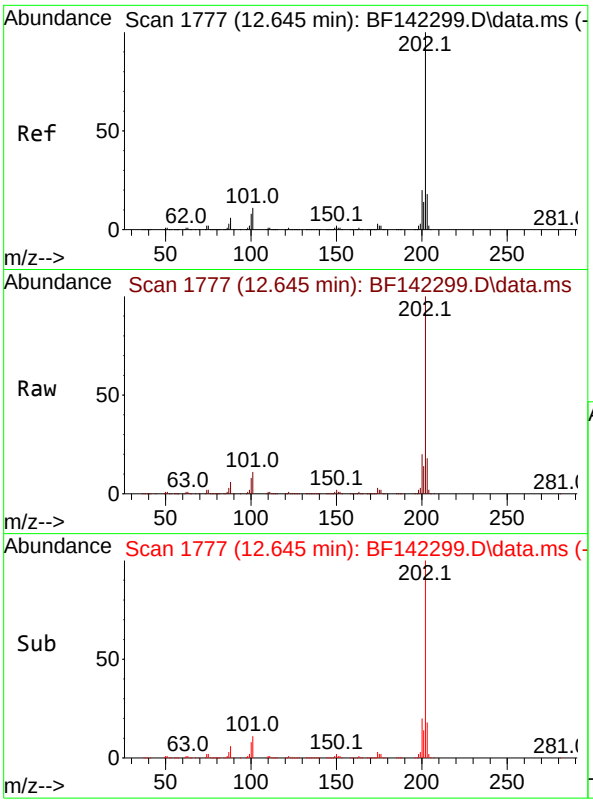


#74
Di-n-butylphthalate
Concen: 39.856 ng
RT: 11.992 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:149 Resp: 1540981

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	4.5	3.6	5.4



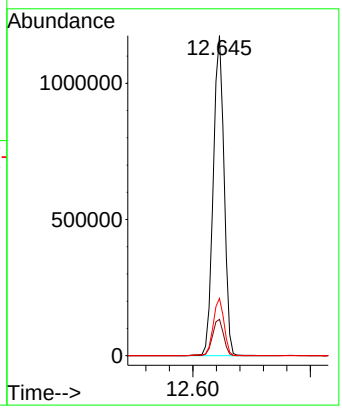


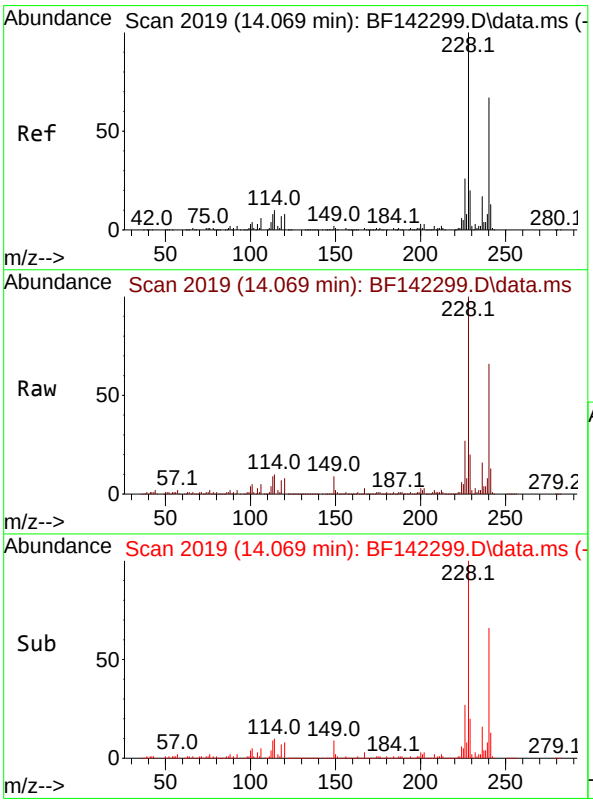
#75
Fluoranthene
Concen: 37.616 ng
RT: 12.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:202 Resp: 1499802

Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	31.4
203	17.9	0.0	37.9

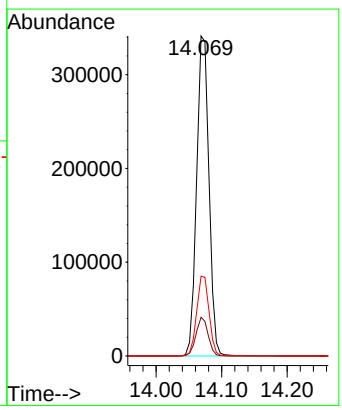


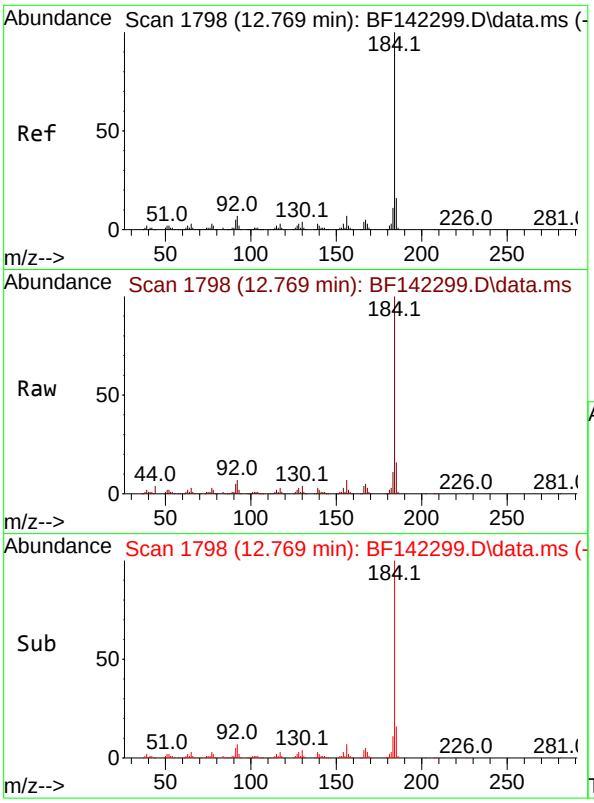


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:240 Resp: 448285

Ion	Ratio	Lower	Upper
240	100		
120	12.1	9.7	14.5
236	25.0	20.0	30.0



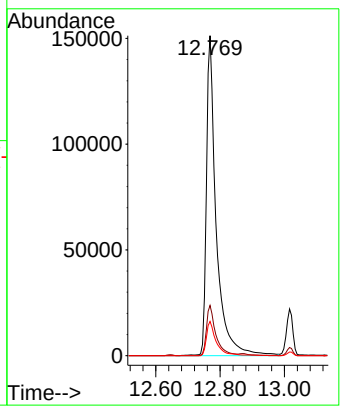


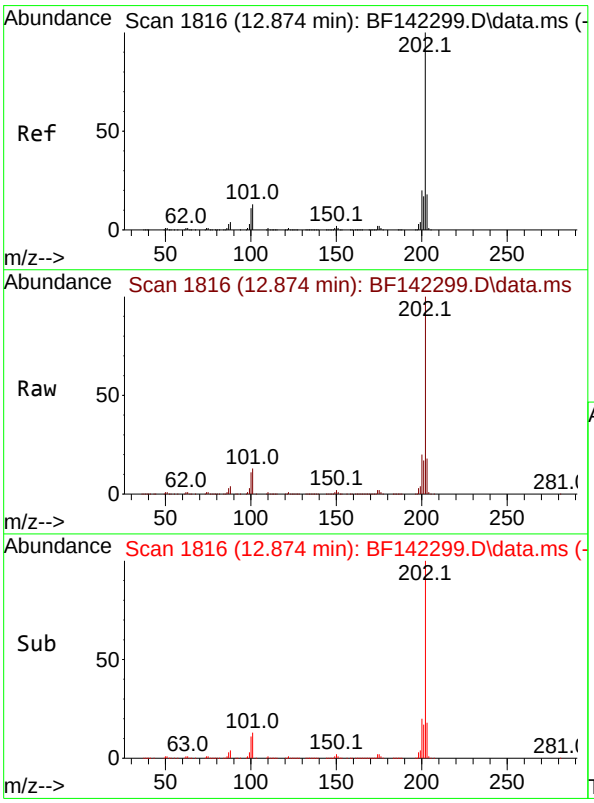
#77
Benzidine
Concen: 39.408 ng
RT: 12.769 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:184 Resp: 321040

Ion	Ratio	Lower	Upper
184	100		
185	15.7	12.6	18.8
183	10.7	8.6	12.8

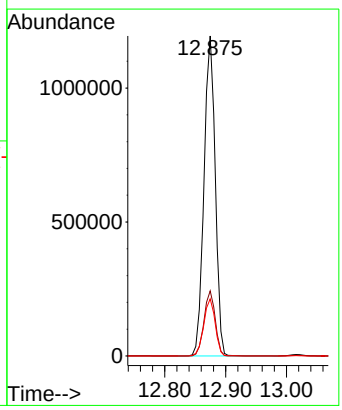


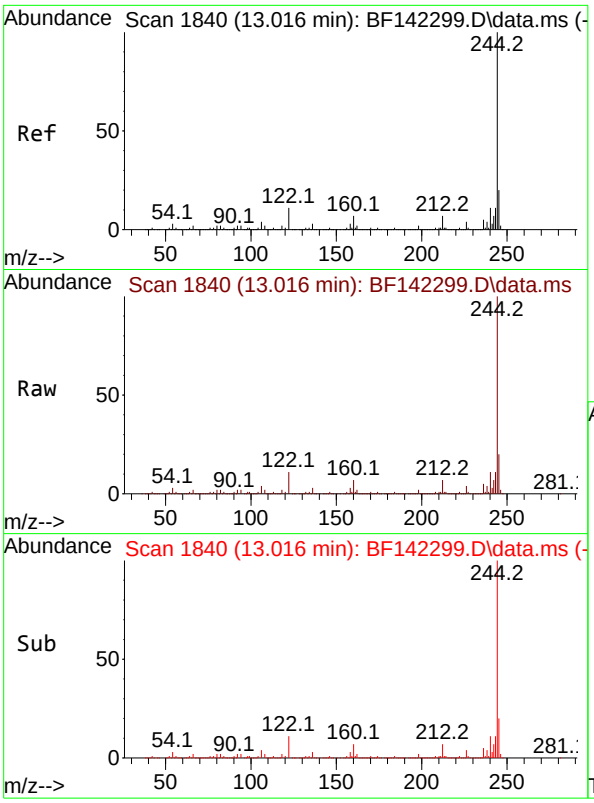


#78
Pyrene
Concen: 38.307 ng
RT: 12.874 min Scan# 1816
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:202 Resp: 1528516

Ion	Ratio	Lower	Upper
202	100		
200	20.3	16.2	24.4
203	17.9	14.3	21.5



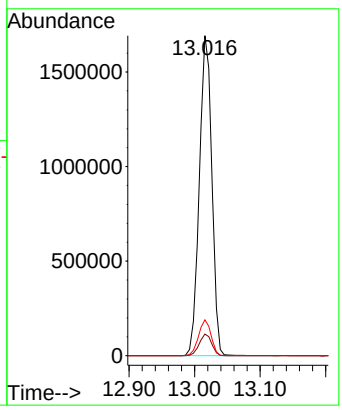


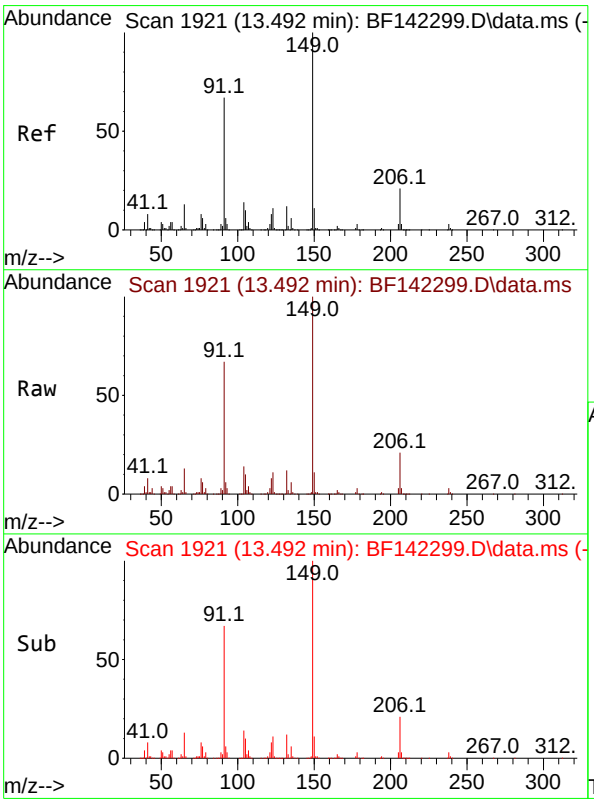
#79
Terphenyl-d14
Concen: 74.299 ng
RT: 13.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:244 Resp: 2250335

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.2
122	11.2	9.0	13.4

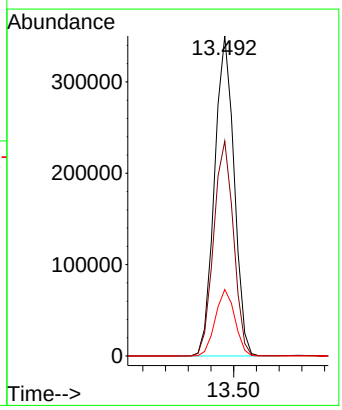


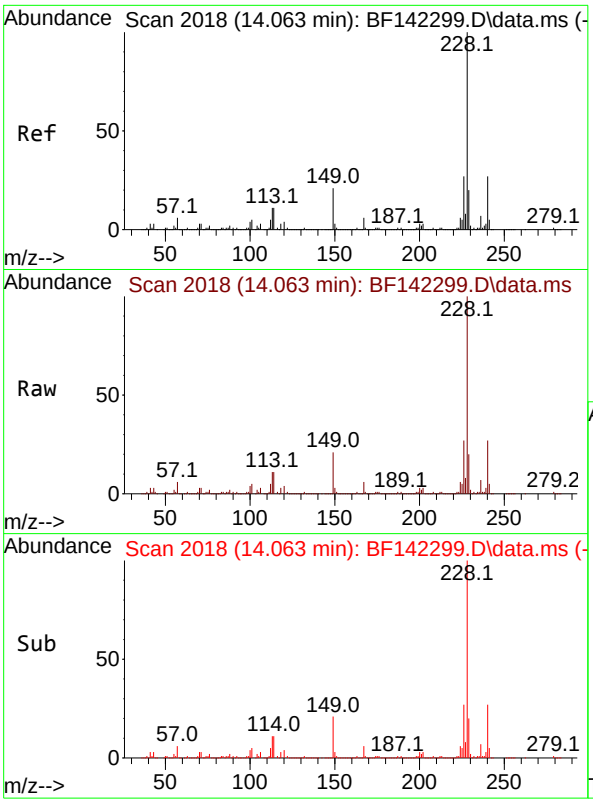


#80
Butylbenzylphthalate
Concen: 36.993 ng
RT: 13.492 min Scan# 1921
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:149 Resp: 420197

Ion	Ratio	Lower	Upper
149	100		
91	67.2	53.8	80.6
206	20.7	16.6	24.8



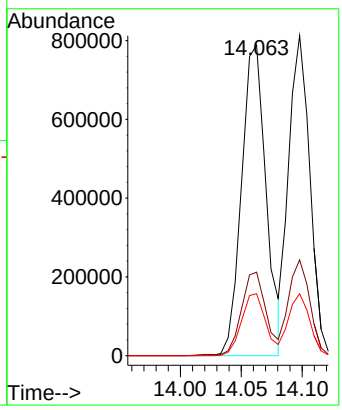


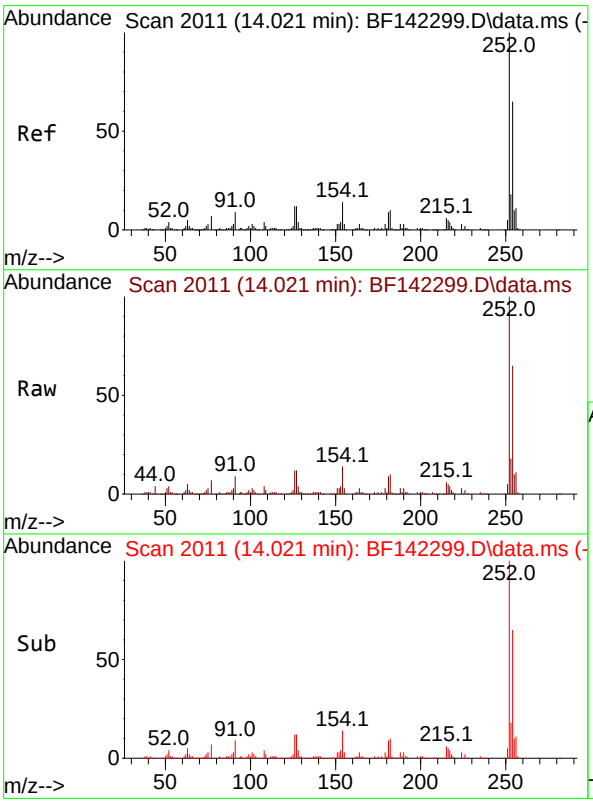
#81
Benzo(a)anthracene
Concen: 38.218 ng
RT: 14.063 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 1109518

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.5	32.3
229	19.9	15.9	23.9

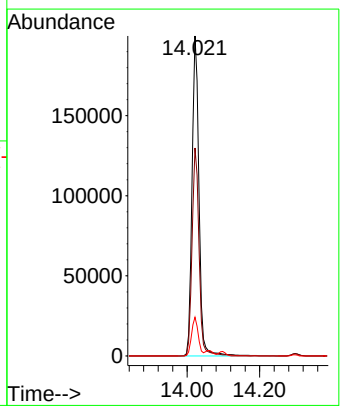


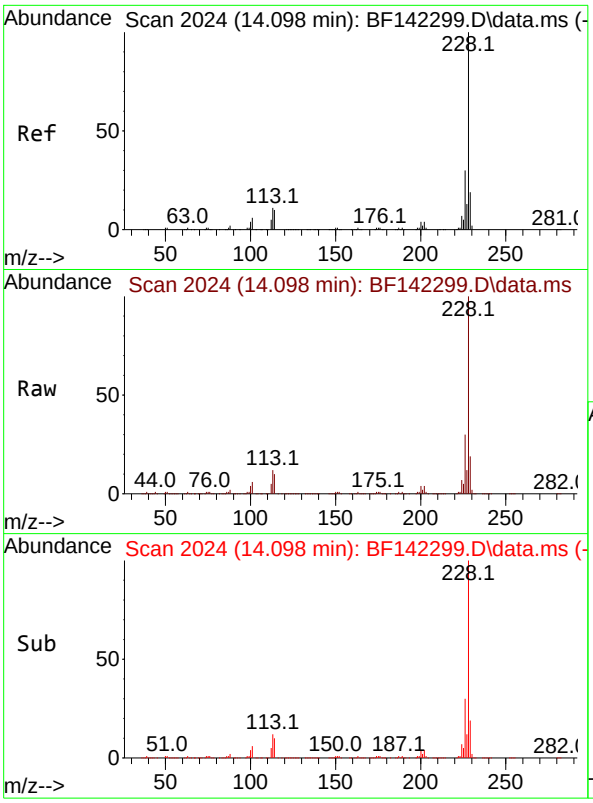


#82
3,3'-Dichlorobenzidine
Concen: 39.352 ng
RT: 14.021 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:252 Resp: 265678

Ion	Ratio	Lower	Upper
252	100		
254	65.0	52.0	78.0
126	12.1	9.7	14.5



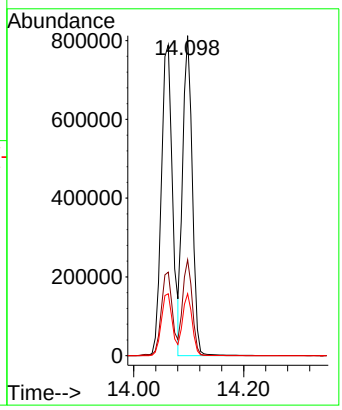


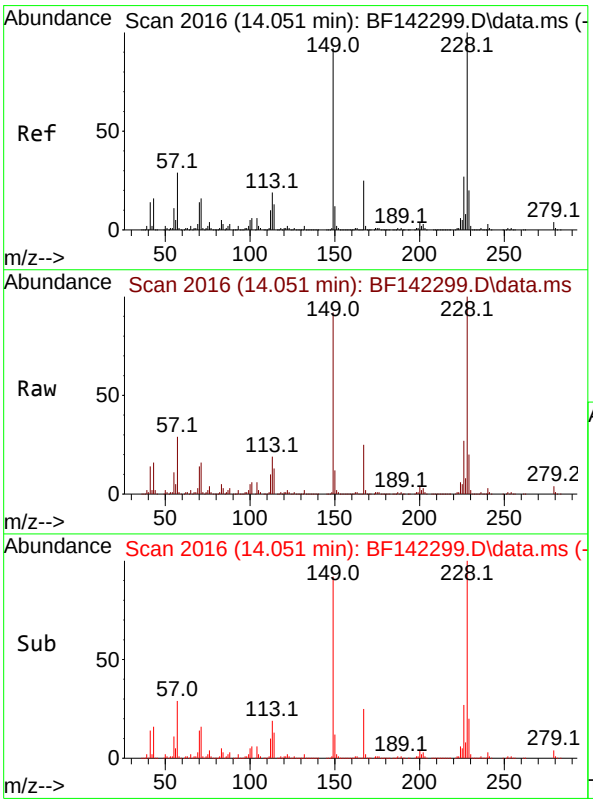
#83
Chrysene
Concen: 36.624 ng
RT: 14.098 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:228 Resp: 989811

Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.9	35.9
229	19.3	15.4	23.2

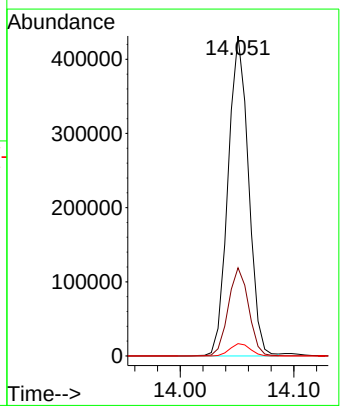


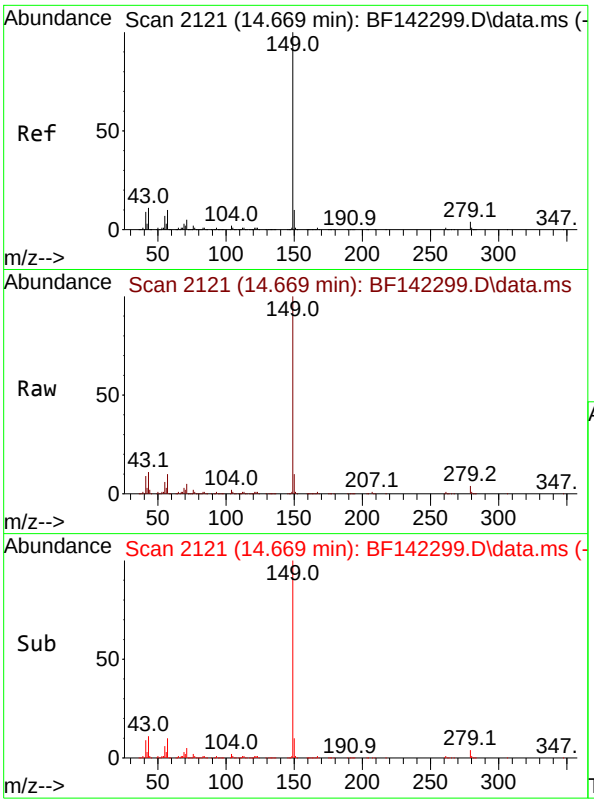


#84
Bis(2-ethylhexyl)phthalate
Concen: 36.650 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:149 Resp: 539105

Ion	Ratio	Lower	Upper
149	100		
167	27.5	22.0	33.0
279	3.8	3.0	4.6



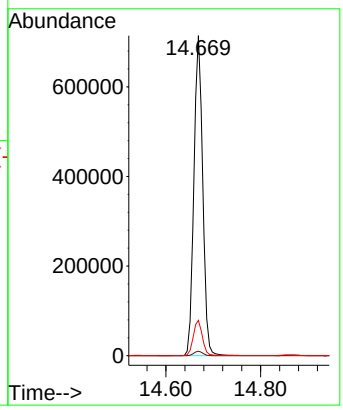


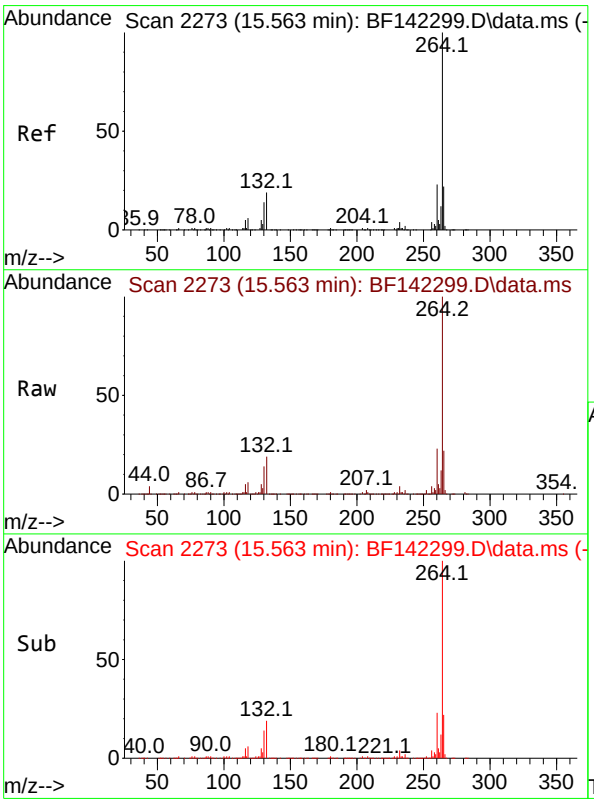
#85
Di-n-octyl phthalate
Concen: 36.079 ng
RT: 14.669 min Scan# 21
Delta R.T. -0.001 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:149 Resp: 922803

Ion	Ratio	Lower	Upper
149	100		
167	1.4	1.1	1.7
43	11.5	9.2	13.8

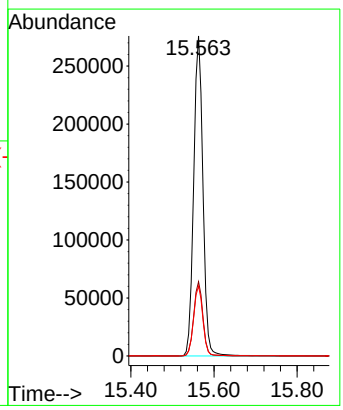


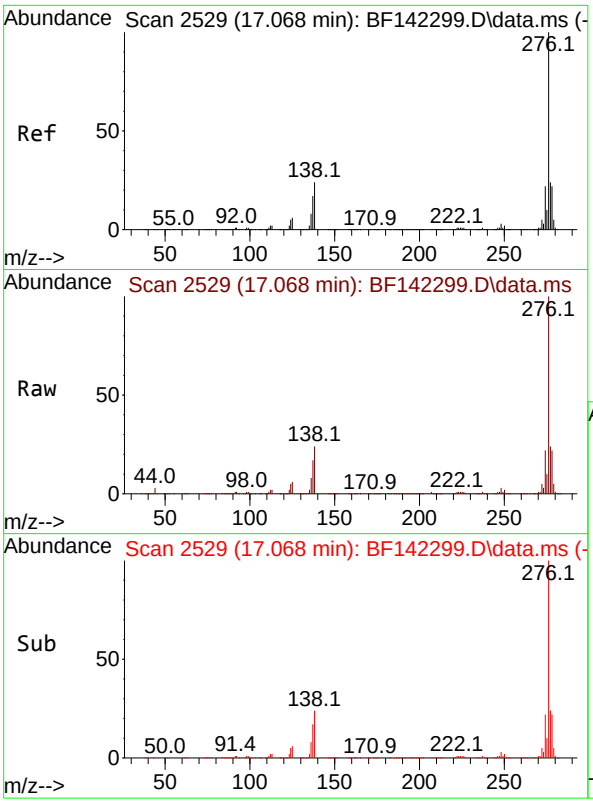


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2273
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:264 Resp: 426732

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	27.8
265	21.9	17.5	26.3



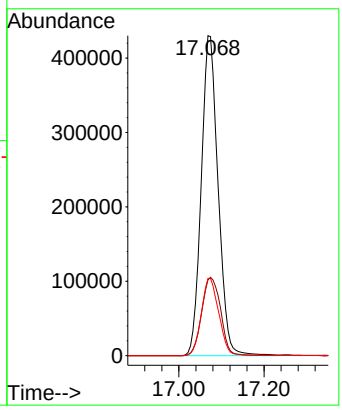


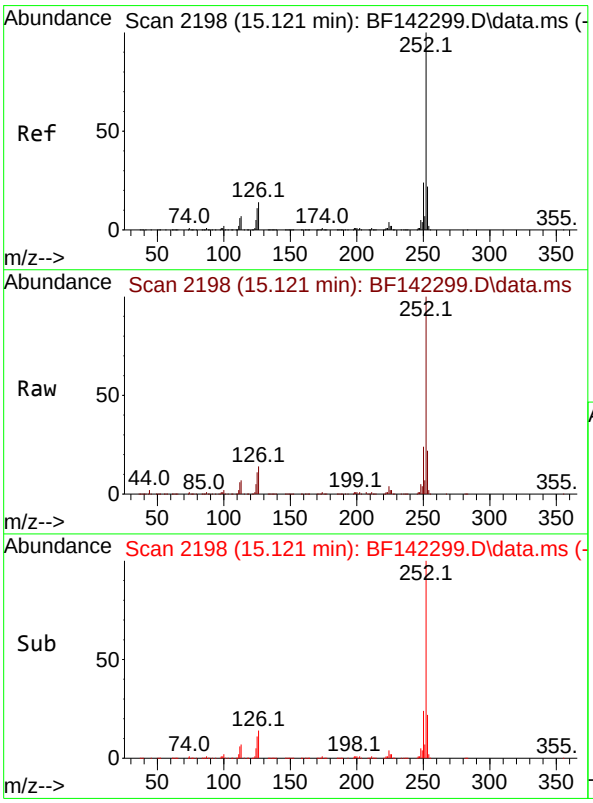
#87
Indeno(1,2,3-cd)pyrene
Concen: 39.794 ng
RT: 17.068 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:276 Resp: 1181269

Ion	Ratio	Lower	Upper
276	100		
138	27.5	22.0	33.0
277	25.1	20.1	30.1

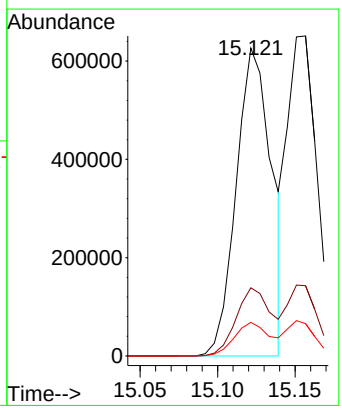


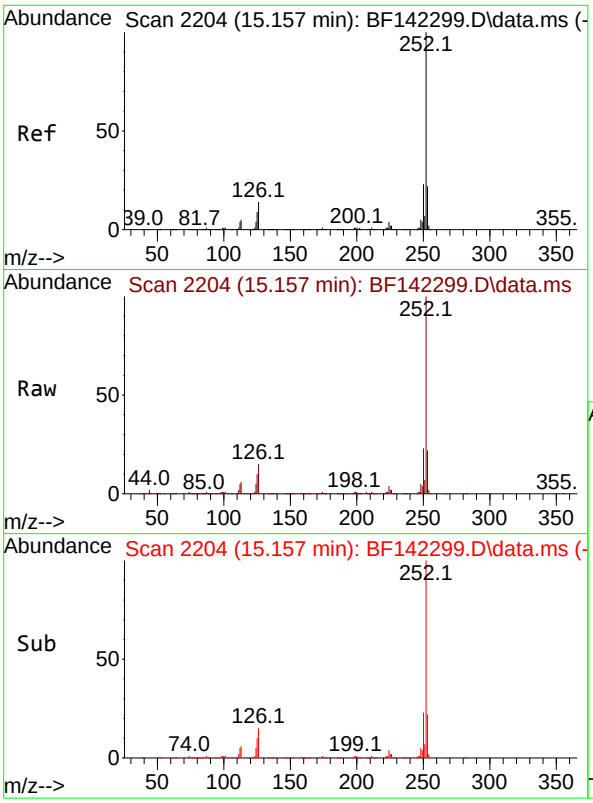


#88
Benzo(b)fluoranthene
Concen: 38.414 ng
RT: 15.121 min Scan# 2198
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:252 Resp: 992827

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	10.9	8.7	13.1



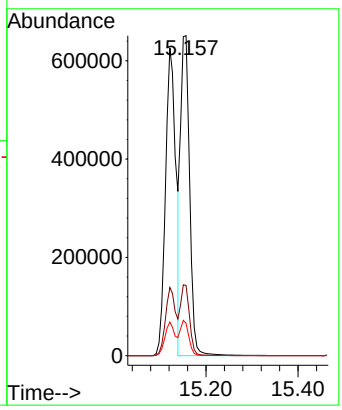


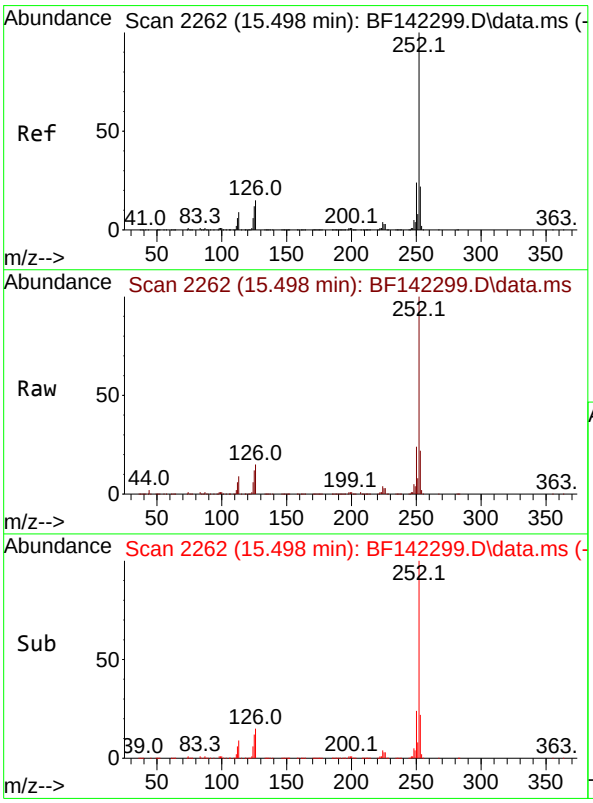
#89
Benzo(k)fluoranthene
Concen: 37.546 ng
RT: 15.157 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:252 Resp: 888026

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	10.1	8.1	12.1

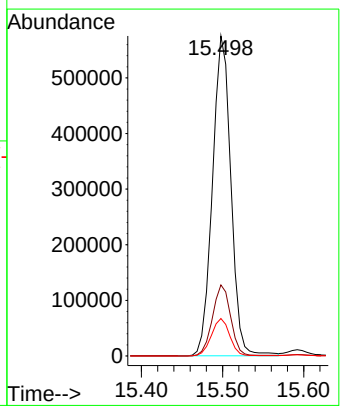


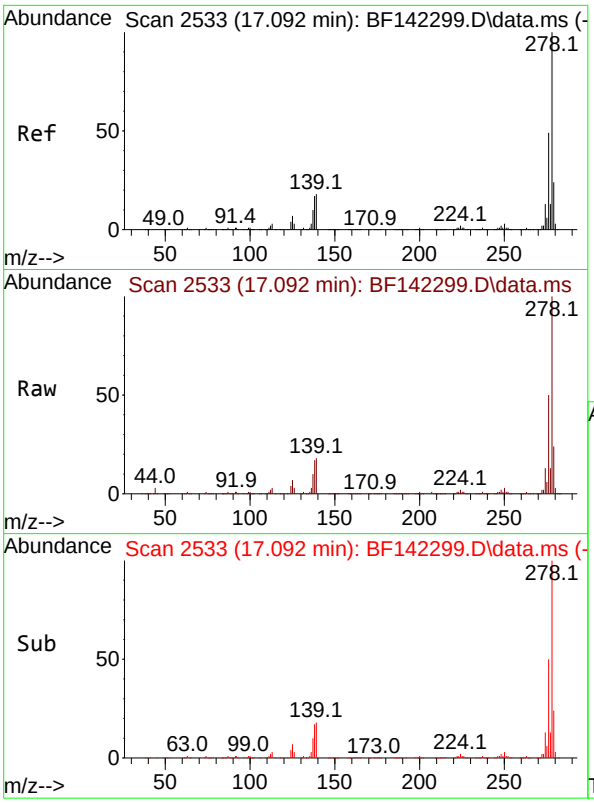


#90
Benzo(a)pyrene
Concen: 39.269 ng
RT: 15.498 min Scan# 2262
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:252 Resp: 909479

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.6
125	11.7	9.4	14.0



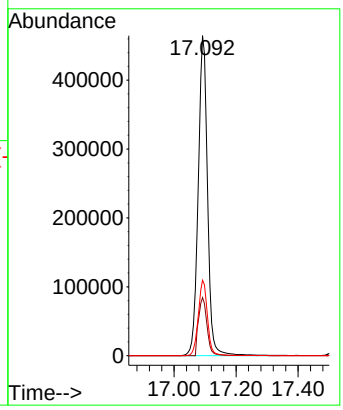


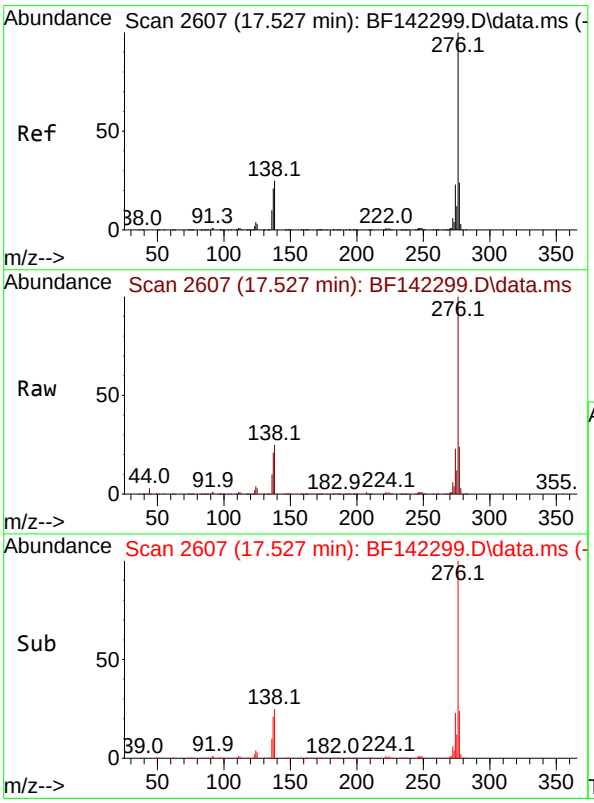
#91
Dibenzo(a,h)anthracene
Concen: 39.578 ng
RT: 17.092 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:278 Resp: 970622

Ion	Ratio	Lower	Upper
278	100		
139	18.1	14.5	21.7
279	23.6	18.9	28.3

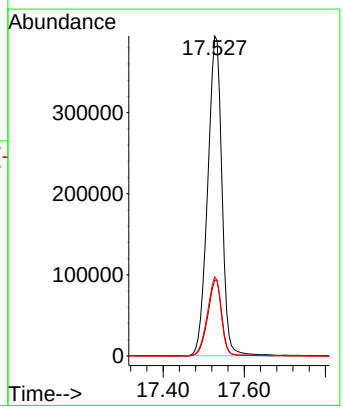




#92
Benzo(g,h,i)perylene
Concen: 39.285 ng
RT: 17.527 min Scan# 2607
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Tgt Ion:276 Resp: 956211

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.0	28.6
138	24.7	19.8	29.6



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142300.D
Acq On : 05 May 2025 16:18
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: May 05 18:00:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 17:44:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	184142	20.000	ng	0.00
21) Naphthalene-d8	8.192	136	725434	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	381581	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	653321	20.000	ng	0.00
76) Chrysene-d12	14.074	240	361528	20.000	ng	0.00
86) Perylene-d12	15.563	264	352732	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1127279	104.504	ng	0.00
7) Phenol-d6	6.528	99	1380723	104.071	ng	0.00
23) Nitrobenzene-d5	7.469	82	1306356	109.825	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	416395	113.025	ng	0.00
45) 2-Fluorobiphenyl	9.269	172	2550133	95.292	ng	0.00
79) Terphenyl-d14	13.016	244	2512161	102.849	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.675	88	250125	51.492	ng	100
3) Pyridine	3.446	79	603723	52.856	ng	99
4) n-Nitrosodimethylamine	3.399	42	349382	52.710	ng	99
6) Aniline	6.569	93	710390	54.590	ng	100
8) 2-Chlorophenol	6.687	128	619795	53.769	ng	99
9) Benzaldehyde	6.457	77	346249	44.591	ng	100
10) Phenol	6.540	94	771866	54.885	ng	97
11) bis(2-Chloroethyl)ether	6.640	93	649715	46.848	ng	100
12) 1,3-Dichlorobenzene	6.846	146	679991	51.563	ng	100
13) 1,4-Dichlorobenzene	6.928	146	679359	51.307	ng	99
14) 1,2-Dichlorobenzene	7.075	146	655534	51.578	ng	99
15) Benzyl Alcohol	7.045	79	474305	55.210	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.181	45	1077461	52.026	ng	100
17) 2-Methylphenol	7.151	107	492676	52.792	ng	100
18) Hexachloroethane	7.422	117	235428	53.439	ng	99
19) n-Nitroso-di-n-propyla...	7.322	70	429402	52.324	ng	99
20) 3+4-Methylphenols	7.304	107	613574	52.680	ng	94
22) Acetophenone	7.316	105	809554	50.190	ng	98
24) Nitrobenzene	7.493	77	610521	54.450	ng	98
25) Isophorone	7.728	82	1175639	52.193	ng	99
26) 2-Nitrophenol	7.804	139	279873	51.463	ng	99
27) 2,4-Dimethylphenol	7.834	122	596218	52.647	ng	99
28) bis(2-Chloroethoxy)met...	7.940	93	739692	51.070	ng	99
29) 2,4-Dichlorophenol	8.045	162	521673	54.183	ng	99
30) 1,2,4-Trichlorobenzene	8.128	180	550979	50.849	ng	100
31) Naphthalene	8.210	128	1773884	50.454	ng	100
32) Benzoic acid	7.945	122	311543	50.601	ng	99
33) 4-Chloroaniline	8.257	127	376489	26.290	ng	100
34) Hexachlorobutadiene	8.328	225	335206	52.244	ng	99
35) Caprolactam	8.628	113	160421	57.291	ng	97
36) 4-Chloro-3-methylphenol	8.734	107	526289	52.584	ng	99
37) 2-Methylnaphthalene	8.904	142	1114987	51.036	ng	99
38) 1-Methylnaphthalene	9.004	142	1142120	50.158	ng	99
40) 1,2,4,5-Tetrachloroben...	9.069	216	547513	51.375	ng	100
41) Hexachlorocyclopentadiene	9.057	237	369761	56.140	ng	99
43) 2,4,6-Trichlorophenol	9.175	196	375122	55.803	ng	99

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142300.D
Acq On : 05 May 2025 16:18
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: May 05 18:00:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 17:44:56 2025
Response via : Initial Calibration

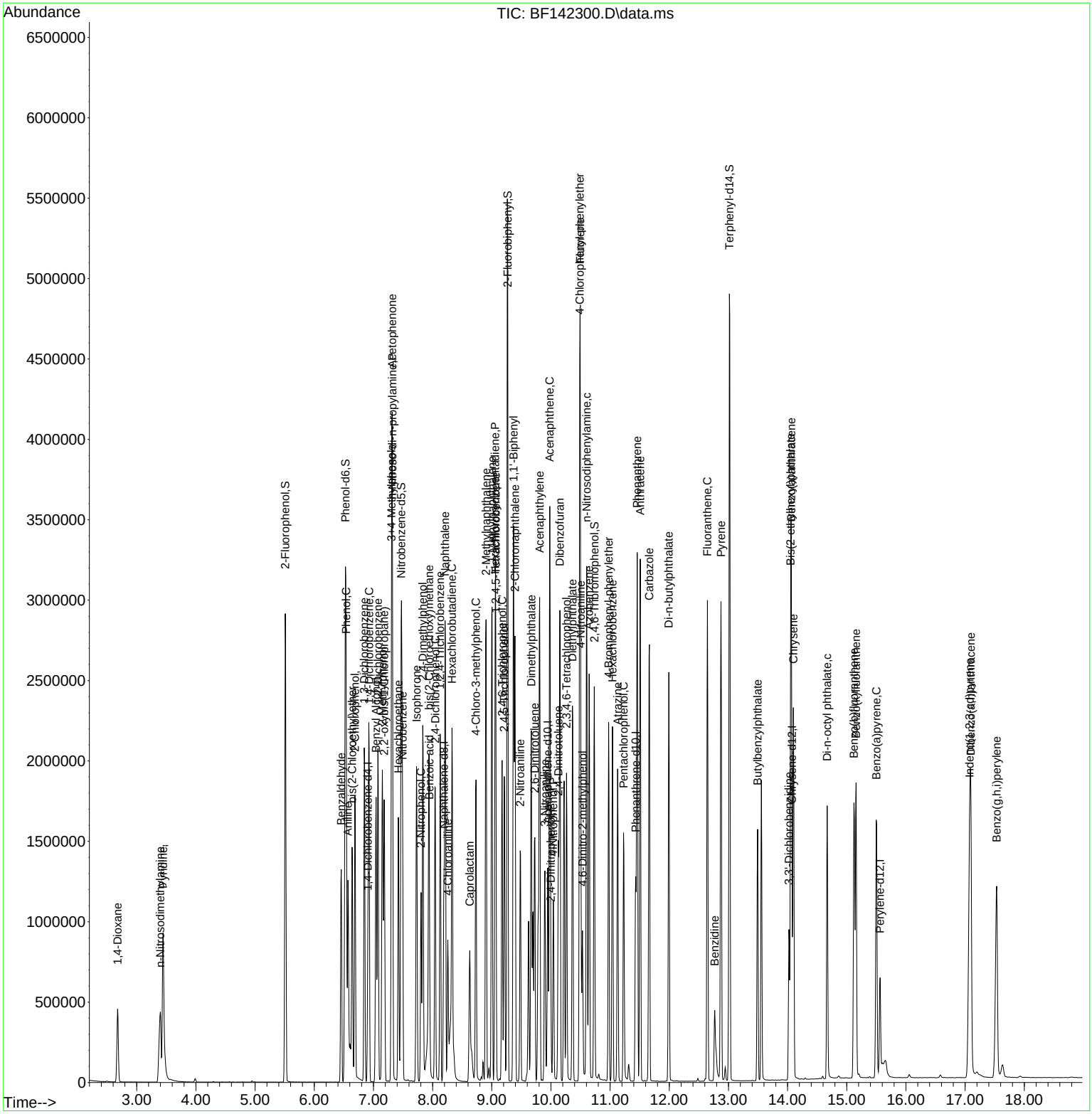
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	394344	55.134	ng		99
46) 1,1'-Biphenyl	9.369	154	1494596	51.084	ng		100
47) 2-Chloronaphthalene	9.392	162	1101937	50.645	ng		99
48) 2-Nitroaniline	9.481	65	327821	58.781	ng		98
49) Acenaphthylene	9.810	152	1868268	51.328	ng		99
50) Dimethylphthalate	9.669	163	1280292	52.252	ng		99
51) 2,6-Dinitrotoluene	9.728	165	267530	58.331	ng		95
52) Acenaphthene	9.981	154	1125706	51.436	ng		99
53) 3-Nitroaniline	9.898	138	313887	58.354	ng		98
54) 2,4-Dinitrophenol	9.998	184	114759	50.908	ng	#	15
55) Dibenzofuran	10.151	168	1632492	50.542	ng		99
56) 4-Nitrophenol	10.039	139	240972	59.524	ng		99
57) 2,4-Dinitrotoluene	10.128	165	350749	59.620	ng		100
58) Fluorene	10.492	166	1224371	49.671	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	327947	55.542	ng		99
60) Diethylphthalate	10.363	149	1282136	52.397	ng		99
61) 4-Chlorophenyl-phenyle...	10.486	204	608508	51.168	ng		100
62) 4-Nitroaniline	10.504	138	229299	53.785	ng		98
63) Azobenzene	10.645	77	1211976	51.833	ng		100
65) 4,6-Dinitro-2-methylph...	10.534	198	154307	50.269	ng		96
66) n-Nitrosodiphenylamine	10.604	169	1120570	51.544	ng		100
67) 4-Bromophenyl-phenylether	10.975	248	388493	52.469	ng		99
68) Hexachlorobenzene	11.039	284	420761	51.661	ng		99
69) Atrazine	11.128	200	319507	55.754	ng		99
70) Pentachlorophenol	11.228	266	249218	58.166	ng		98
71) Phenanthrene	11.457	178	1727795	50.453	ng		99
72) Anthracene	11.510	178	1784428	50.712	ng		100
73) Carbazole	11.663	167	1610611	51.019	ng		100
74) Di-n-butylphthalate	11.992	149	1785998	53.803	ng		100
75) Fluoranthene	12.645	202	1717060	50.159	ng		100
77) Benzidine	12.769	184	385286	58.643	ng		99
78) Pyrene	12.875	202	1728090	53.702	ng		99
80) Butylbenzylphthalate	13.492	149	493025	52.156	ng		100
81) Benzo(a)anthracene	14.063	228	1224138	52.285	ng		99
82) 3,3'-Dichlorobenzidine	14.022	252	295953	54.357	ng		99
83) Chrysene	14.098	228	1119046	51.342	ng		99
84) Bis(2-ethylhexyl)phtha...	14.051	149	631350	51.305	ng		99
85) Di-n-octyl phthalate	14.669	149	1122100	50.417	ng		100
87) Indeno(1,2,3-cd)pyrene	17.074	276	1407239	57.351	ng		100
88) Benzo(b)fluoranthene	15.121	252	1113446	52.119	ng		99
89) Benzo(k)fluoranthene	15.157	252	1033813	52.880	ng		100
90) Benzo(a)pyrene	15.504	252	1043008	54.482	ng		99
91) Dibenzo(a,h)anthracene	17.098	278	1153556	56.905	ng		99
92) Benzo(g,h,i)perylene	17.533	276	1141826	56.752	ng		99

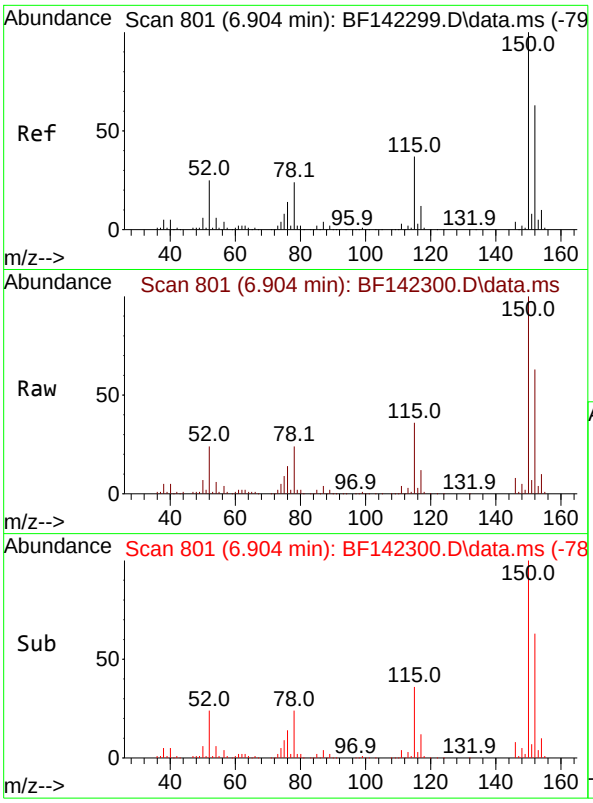
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142300.D
Acq On : 05 May 2025 16:18
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Quant Time: May 05 18:00:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 17:44:56 2025
Response via : Initial Calibration



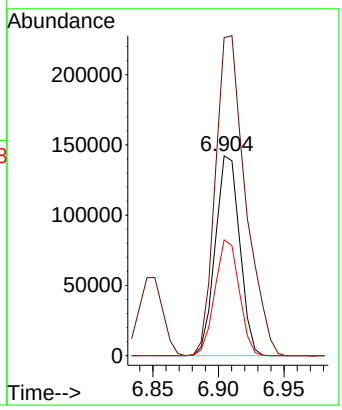


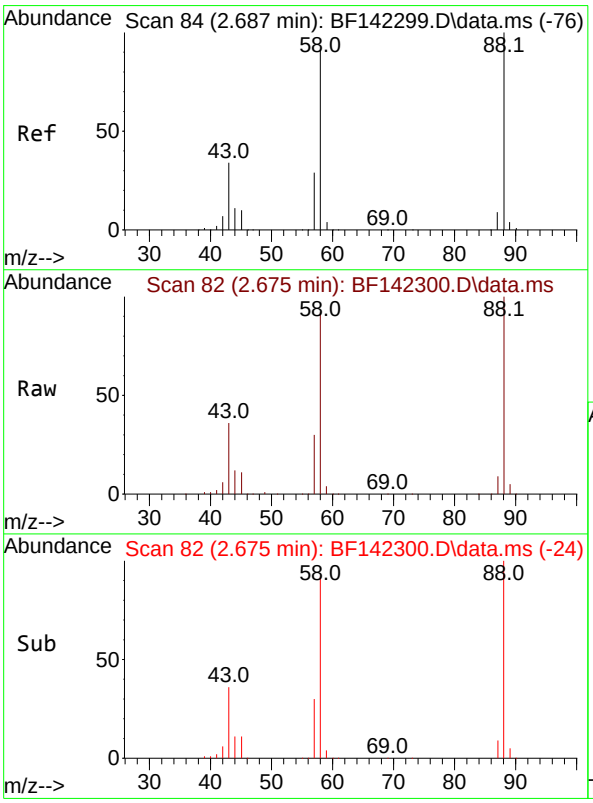
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 184142

Ion	Ratio	Lower	Upper
152	100		
150	159.2	126.6	190.0
115	57.9	47.3	70.9

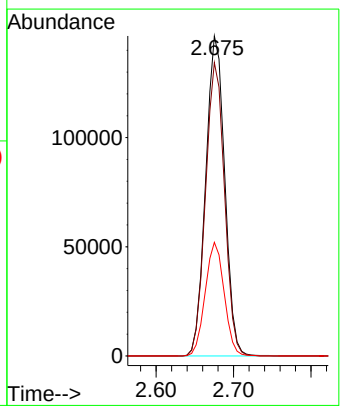


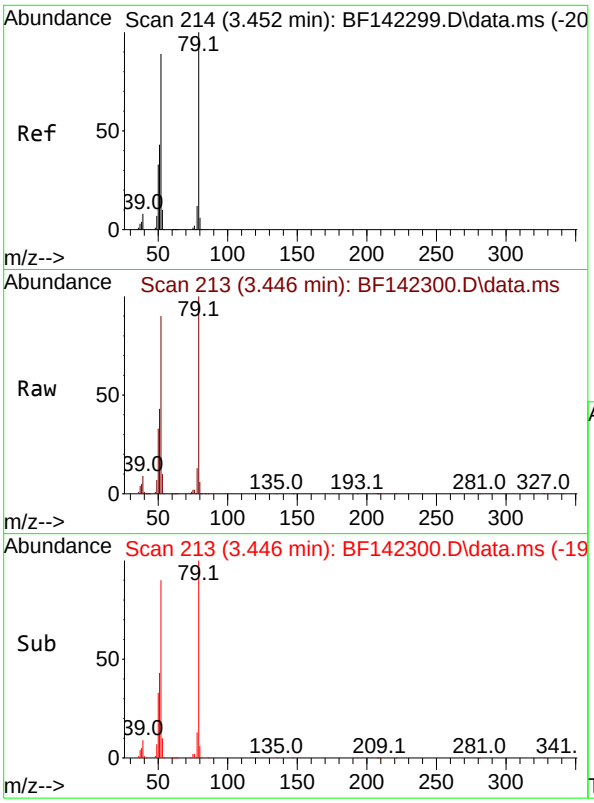


#2
1,4-Dioxane
Concen: 51.492 ng
RT: 2.675 min Scan# 82
Delta R.T. -0.012 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion: 88 Resp: 250125

Ion	Ratio	Lower	Upper
88	100		
58	91.4	73.0	109.4
43	35.4	27.8	41.6



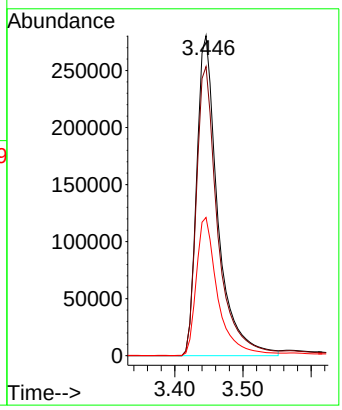


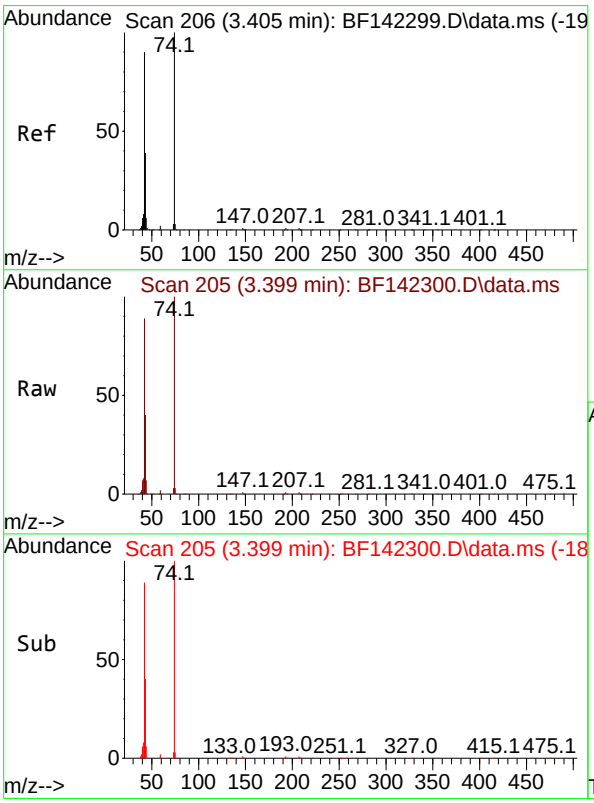
#3
Pyridine
Concen: 52.856 ng
RT: 3.446 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 603723

Ion	Ratio	Lower	Upper
79	100		
52	90.4	71.0	106.4
51	43.2	34.9	52.3

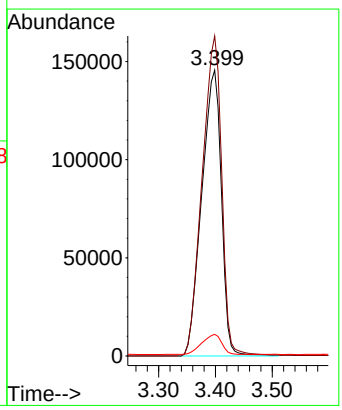


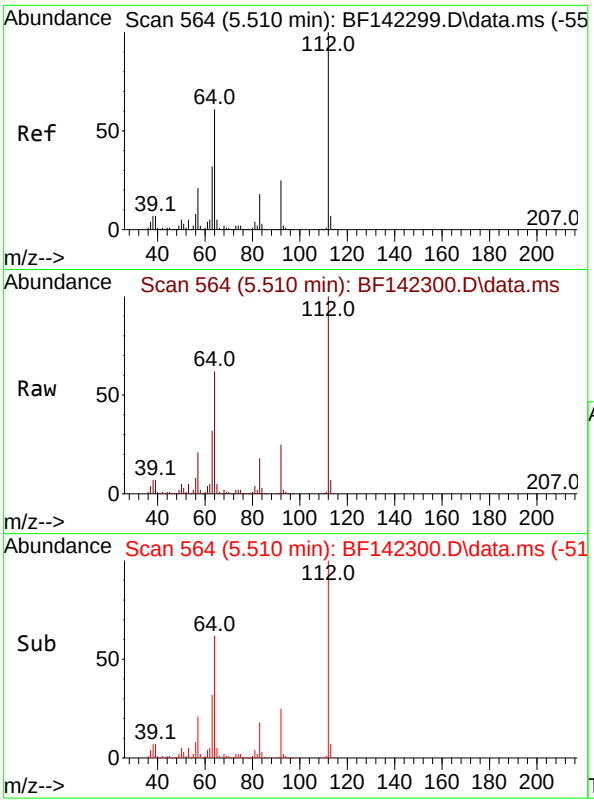


#4
n-Nitrosodimethylamine
Concen: 52.710 ng
RT: 3.399 min Scan# 205
Delta R.T. -0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion: 42 Resp: 349382

Ion	Ratio	Lower	Upper
42	100		
74	112.0	88.5	132.7
44	7.5	5.8	8.8



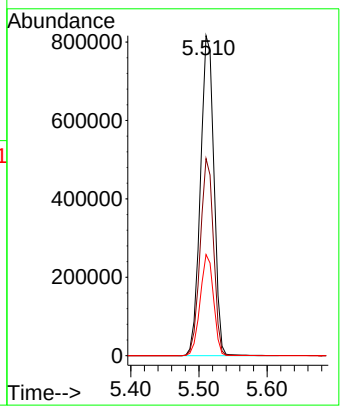


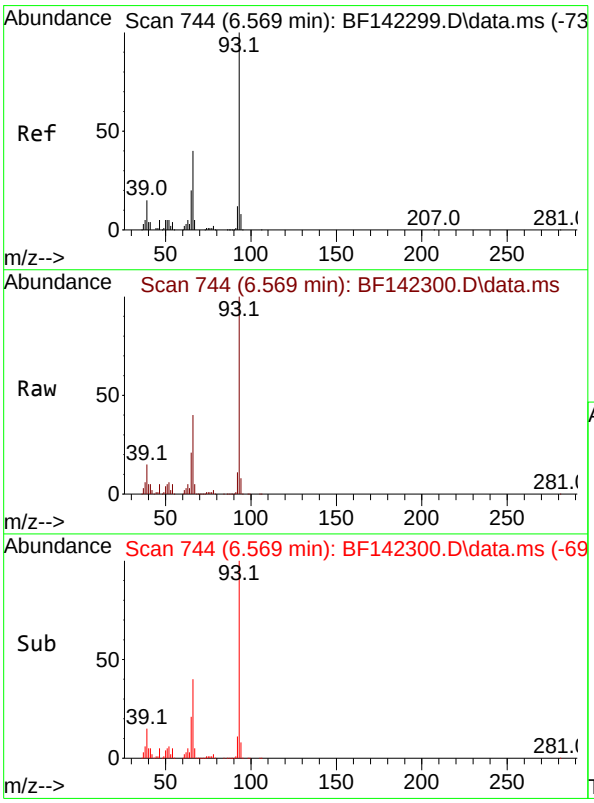
#5
2-Fluorophenol
Concen: 104.504 ng
RT: 5.510 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:112 Resp: 1127279

Ion	Ratio	Lower	Upper
112	100		
64	61.6	48.9	73.3
63	31.6	25.6	38.4

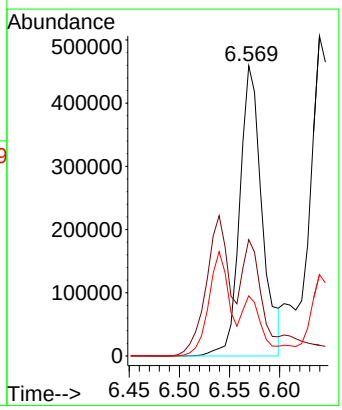


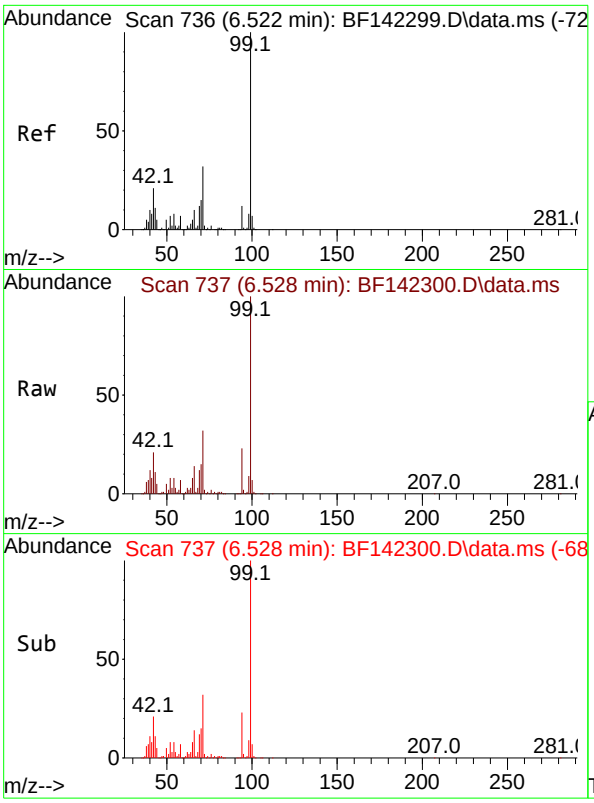


#6
Aniline
Concen: 54.590 ng
RT: 6.569 min Scan# 744
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion: 93 Resp: 710390

Ion	Ratio	Lower	Upper
93	100		
66	40.1	32.2	48.4
65	20.7	16.3	24.5



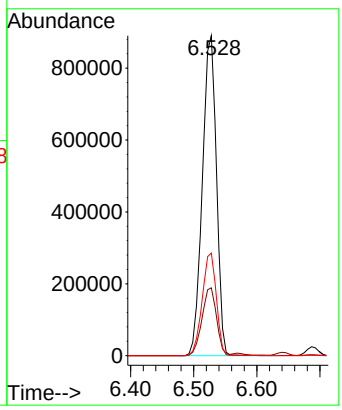


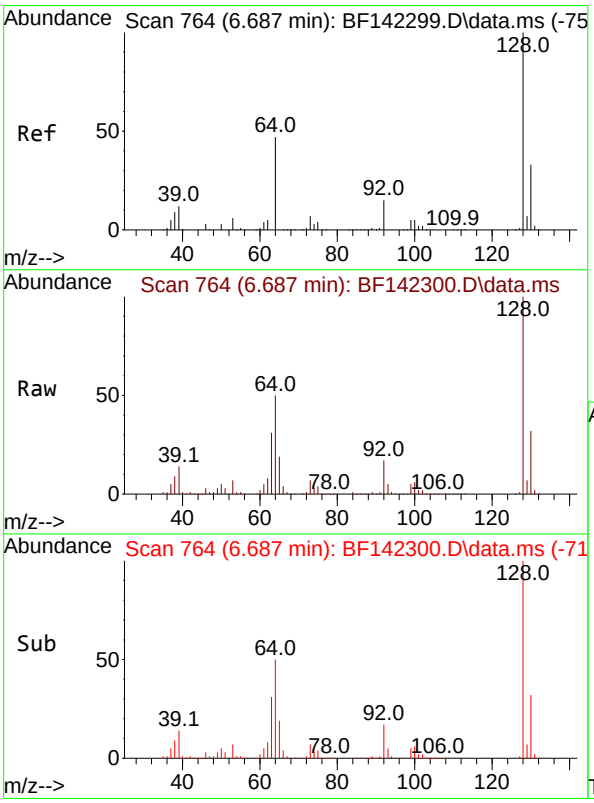
#7
Phenol-d6
Concen: 104.071 ng
RT: 6.528 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 1380723

Ion	Ratio	Lower	Upper
99	100		
42	21.2	17.0	25.4
71	32.1	25.8	38.8

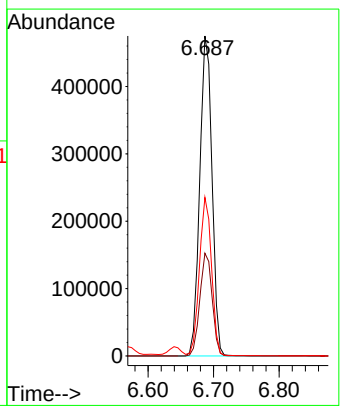


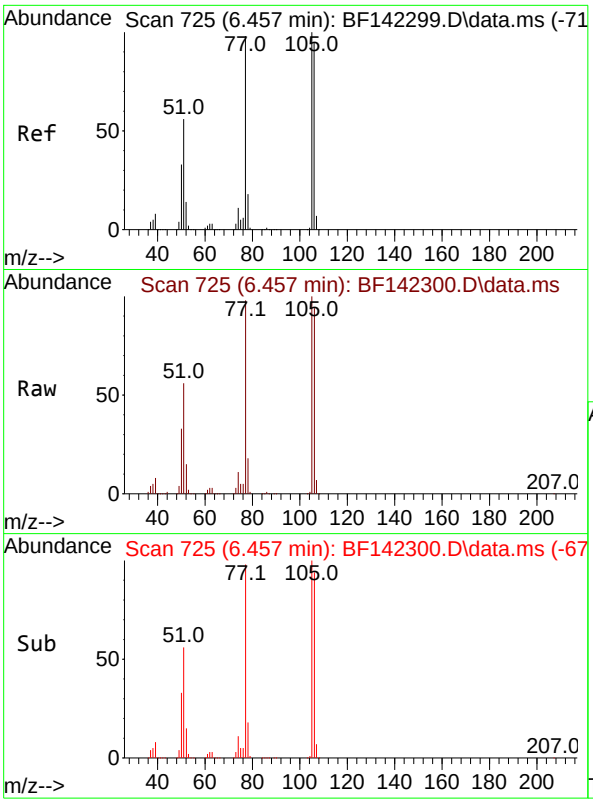


#8
2-Chlorophenol
Concen: 53.769 ng
RT: 6.687 min Scan# 764
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:128 Resp: 619795

Ion	Ratio	Lower	Upper
128	100		
130	32.1	12.7	52.7
64	49.6	29.2	69.2



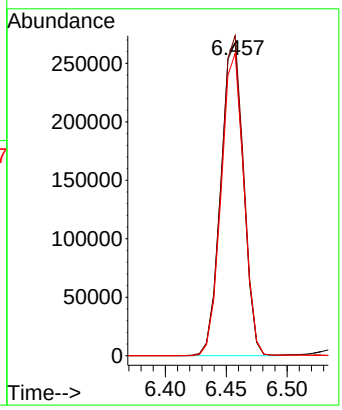


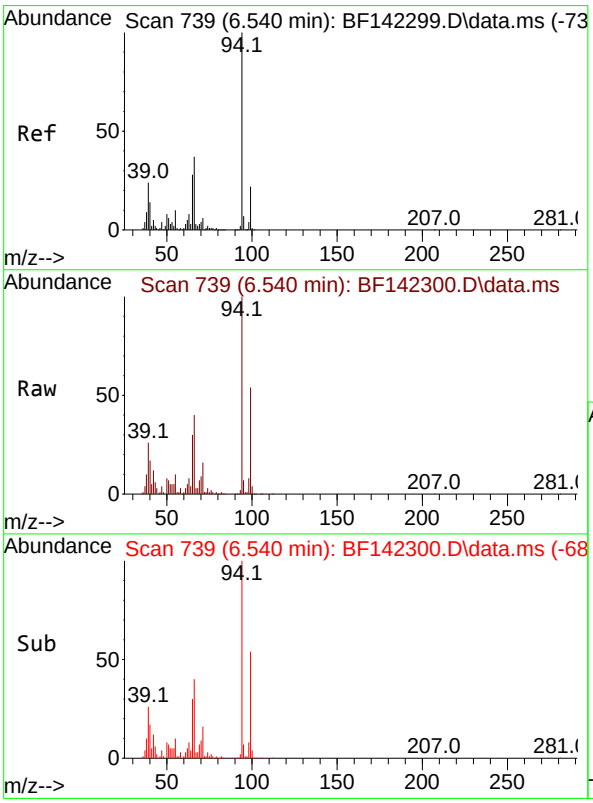
#9
Benzaldehyde
Concen: 44.591 ng
RT: 6.457 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 346249

Ion	Ratio	Lower	Upper
77	100		
105	102.3	82.0	122.0
106	96.6	77.2	117.2

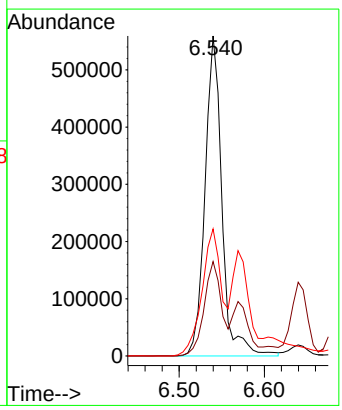


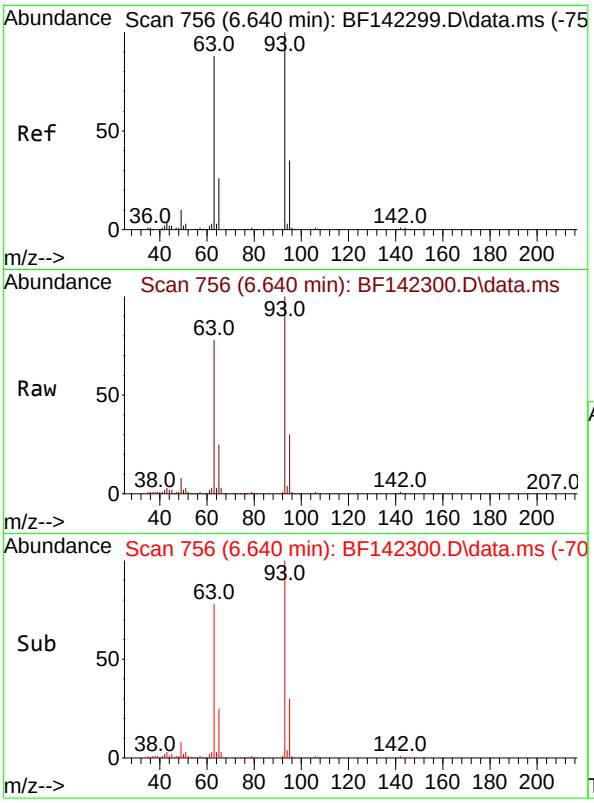


#10
Phenol
Concen: 54.885 ng
RT: 6.540 min Scan# 739
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion: 94 Resp: 771866

Ion	Ratio	Lower	Upper
94	100		
65	29.5	8.5	48.5
66	39.7	17.3	57.3



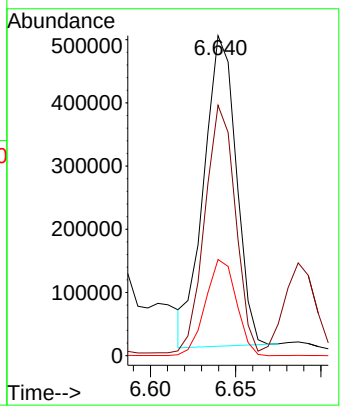


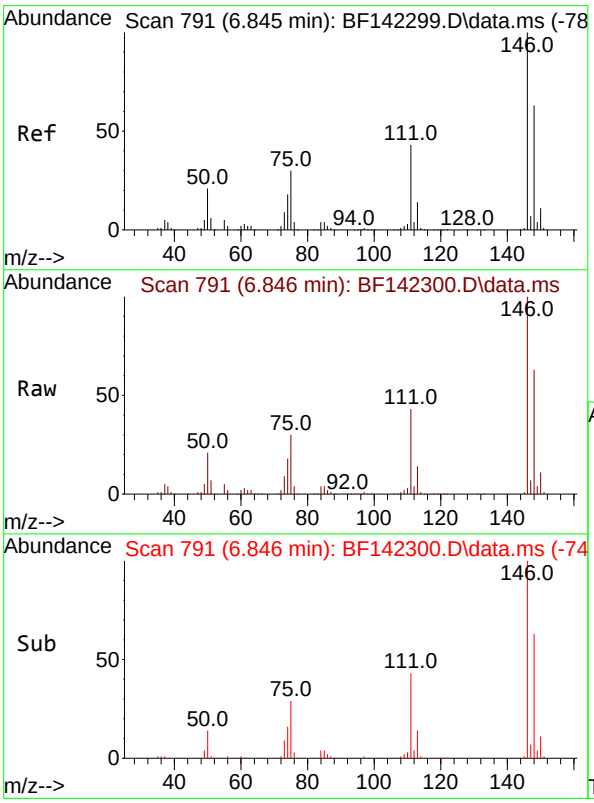
#11
bis(2-Chloroethyl)ether
Concen: 46.848 ng
RT: 6.640 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 93 Resp: 649715

Ion	Ratio	Lower	Upper
93	100		
63	78.3	58.4	98.4
95	30.1	10.6	50.6

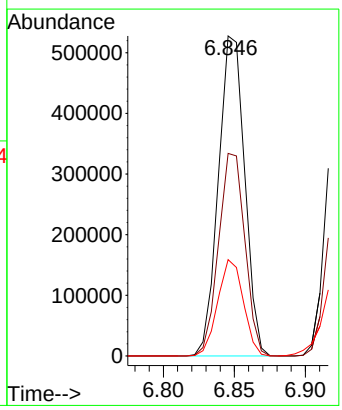


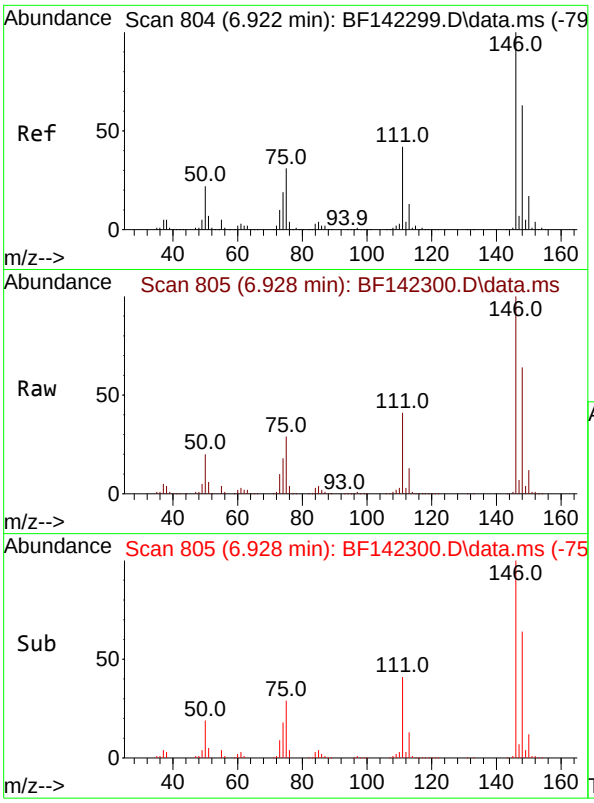


#12
1,3-Dichlorobenzene
Concen: 51.563 ng
RT: 6.846 min Scan# 791
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:146 Resp: 679991

Ion	Ratio	Lower	Upper
146	100		
148	63.3	50.6	76.0
75	30.1	24.2	36.4



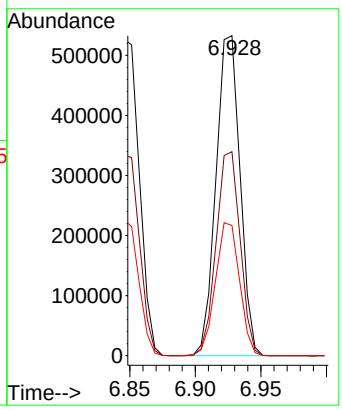


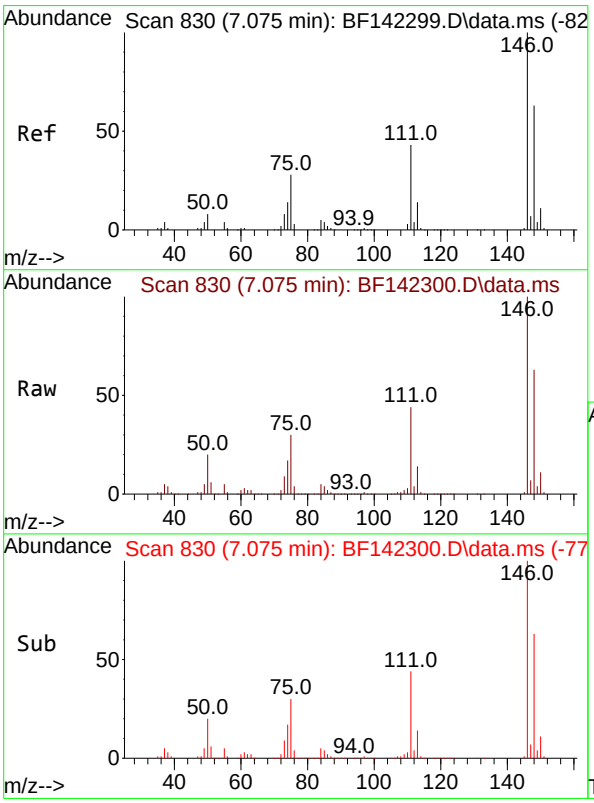
#13
1,4-Dichlorobenzene
Concen: 51.307 ng
RT: 6.928 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:146 Resp: 679359

Ion	Ratio	Lower	Upper
146	100		
148	63.8	50.5	75.7
111	40.7	33.4	50.2

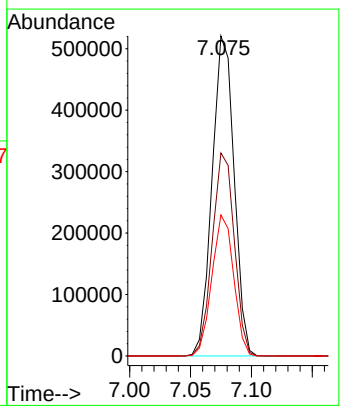


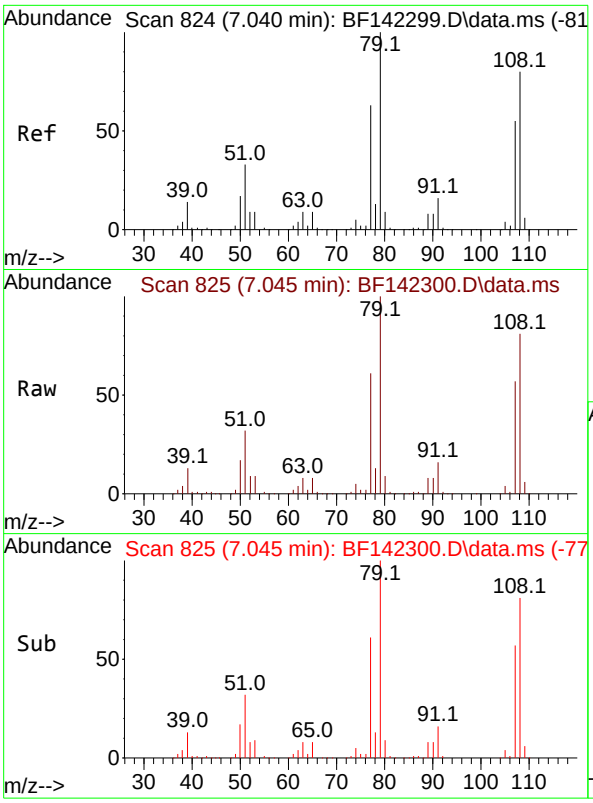


#14
1,2-Dichlorobenzene
Concen: 51.578 ng
RT: 7.075 min Scan# 830
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:146 Resp: 655534

Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.3	75.5
111	44.1	34.5	51.7



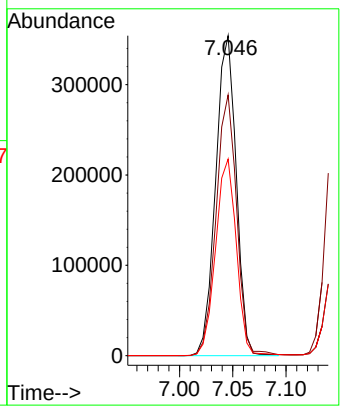


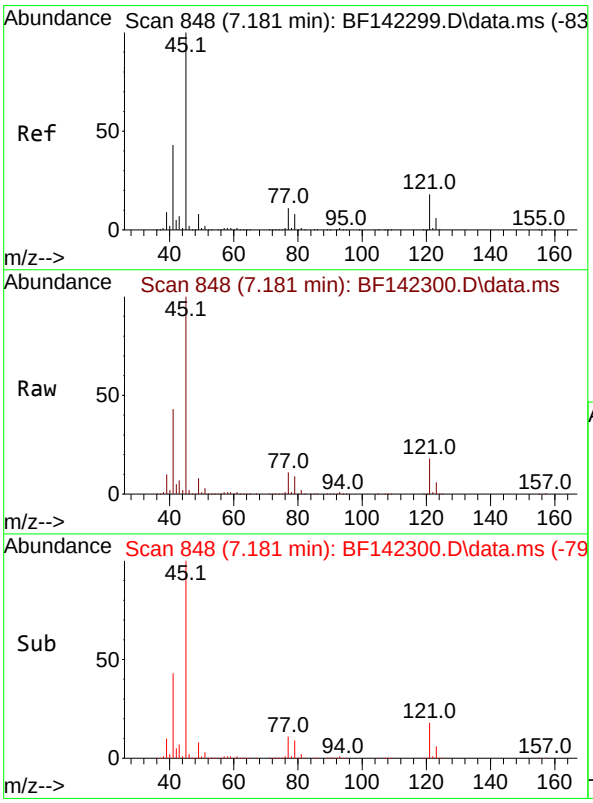
#15
Benzyl Alcohol
Concen: 55.210 ng
RT: 7.045 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 79 Resp: 474305

Ion	Ratio	Lower	Upper
79	100		
108	81.5	63.9	95.9
77	61.4	50.7	76.1

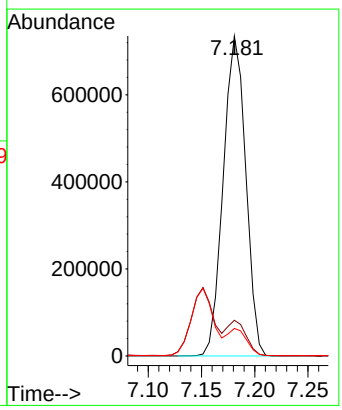


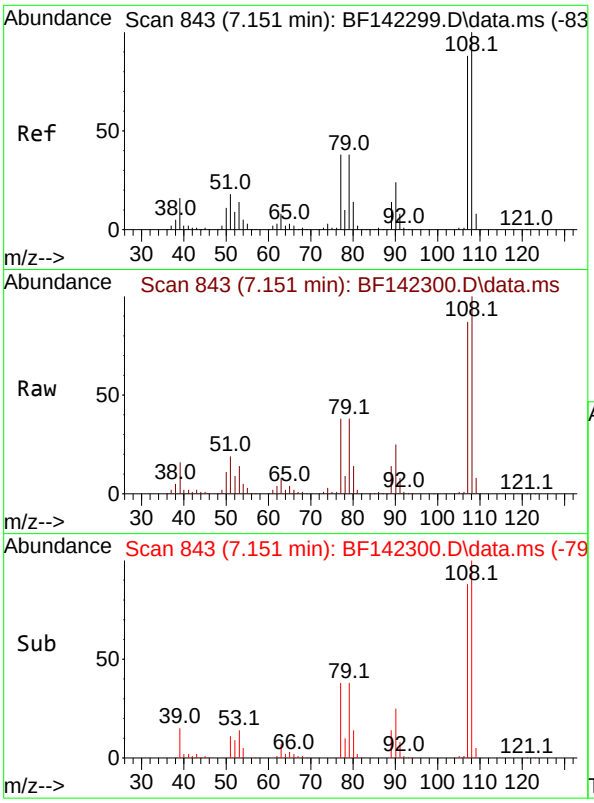


#16
2,2'-oxybis(1-Chloropropane)
Concen: 52.026 ng
RT: 7.181 min Scan# 848
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion: 45 Resp: 1077461

Ion	Ratio	Lower	Upper
45	100		
77	11.2	0.0	31.2
79	8.6	0.0	28.5



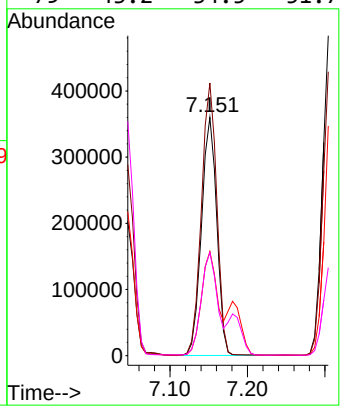


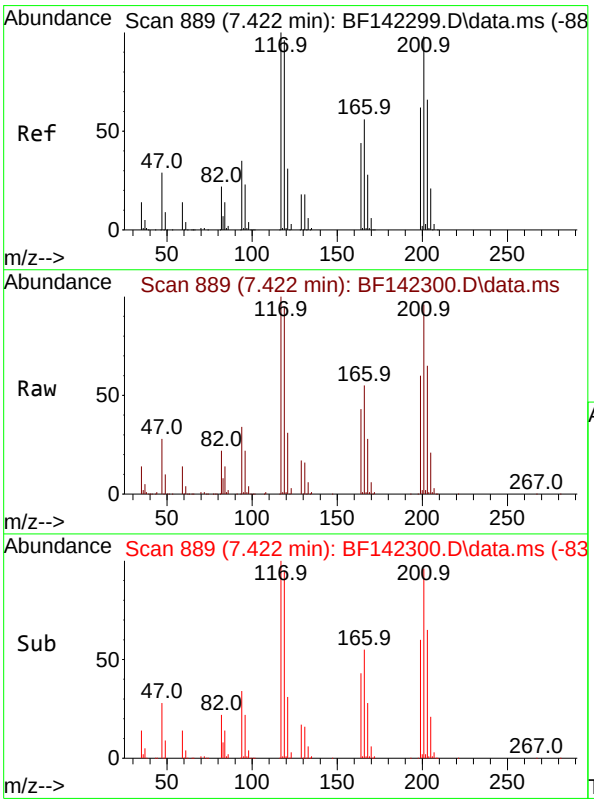
#17
2-Methylphenol
Concen: 52.792 ng
RT: 7.151 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:107 Resp: 492676

Ion	Ratio	Lower	Upper
107	100		
108	114.4	91.1	136.7
77	43.7	34.7	52.1
79	43.2	34.5	51.7

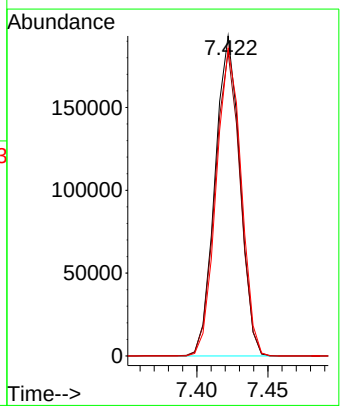


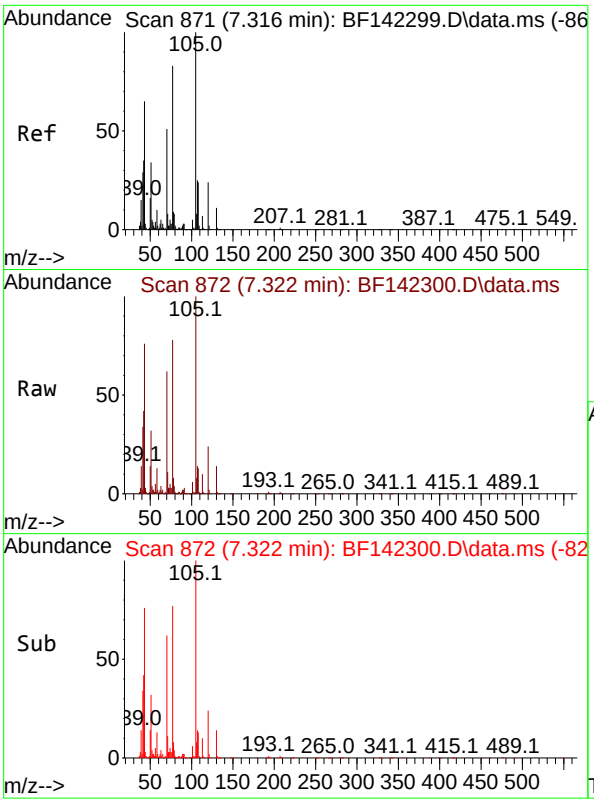


#18
Hexachloroethane
Concen: 53.439 ng
RT: 7.422 min Scan# 889
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:117 Resp: 235428

Ion	Ratio	Lower	Upper
117	100		
119	94.8	76.9	115.3
201	96.2	78.0	117.0



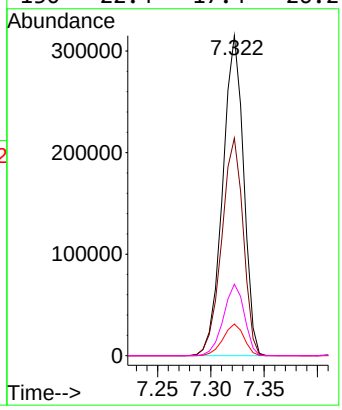


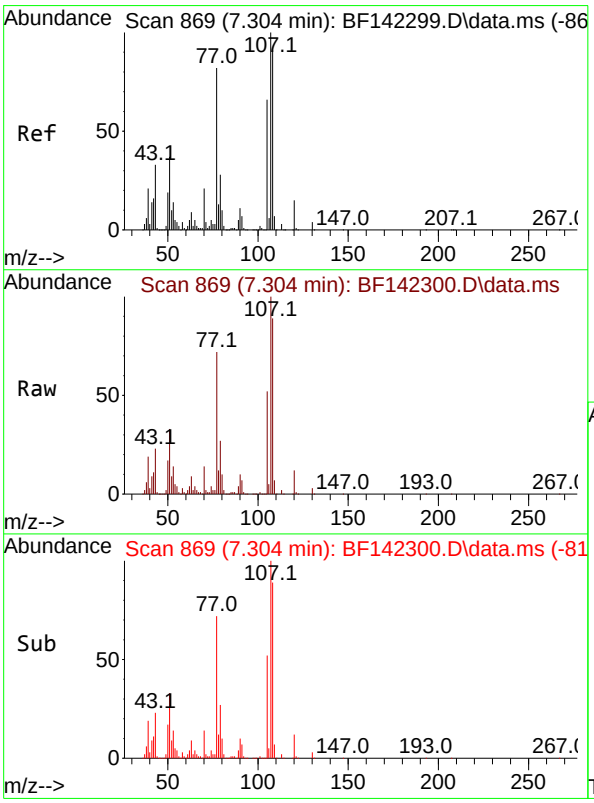
#19
n-Nitroso-di-n-propylamine
Concen: 52.324 ng
RT: 7.322 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 70 Resp: 429402

Ion	Ratio	Lower	Upper
70	100		
42	68.0	54.8	82.2
101	9.9	7.7	11.5
130	22.4	17.4	26.2

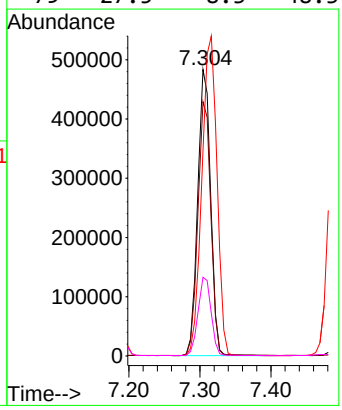


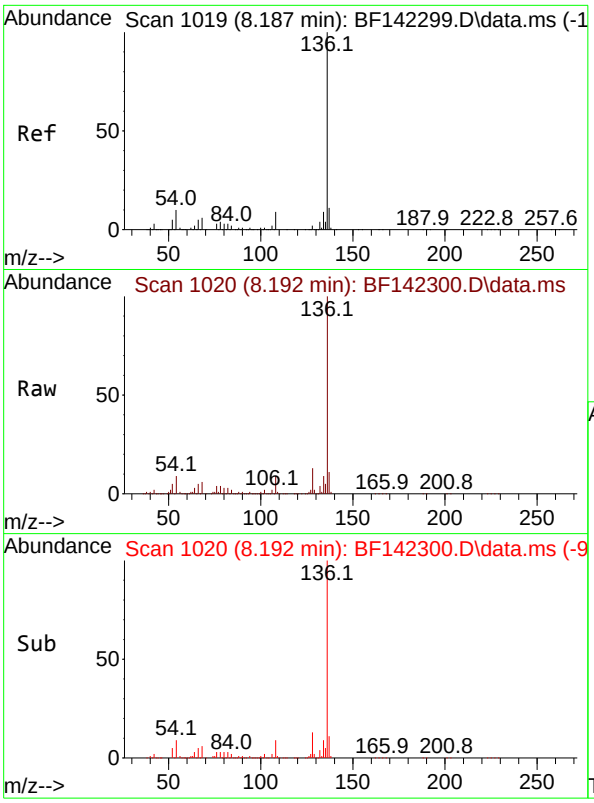


#20
3+4-Methylphenols
Concen: 52.680 ng
RT: 7.304 min Scan# 869
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:107 Resp: 613574

Ion	Ratio	Lower	Upper
107	100		
108	88.7	71.5	111.5
77	71.8	61.6	101.6
79	27.5	8.3	48.3



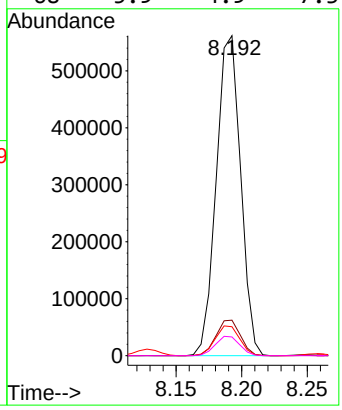


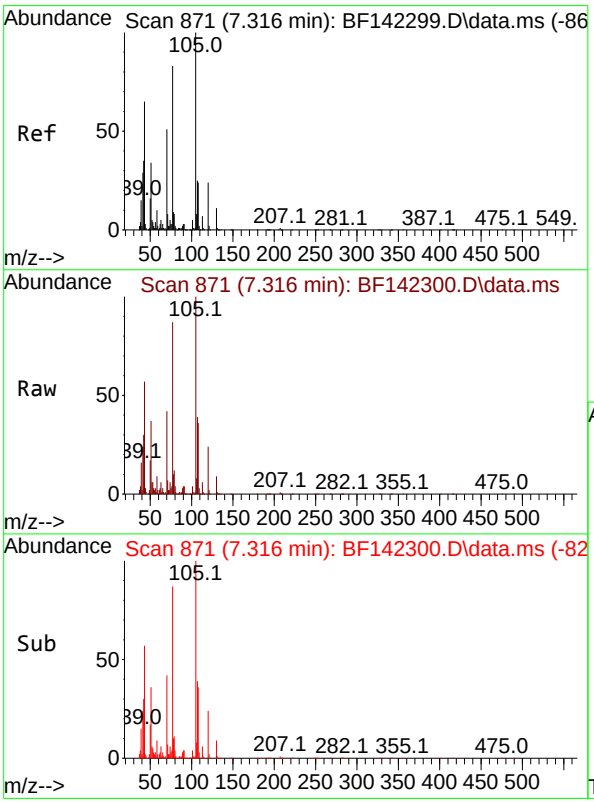
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.192 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 725434

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	9.1	7.7	11.5
68	5.9	4.9	7.3

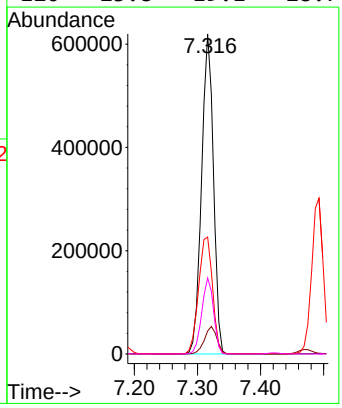


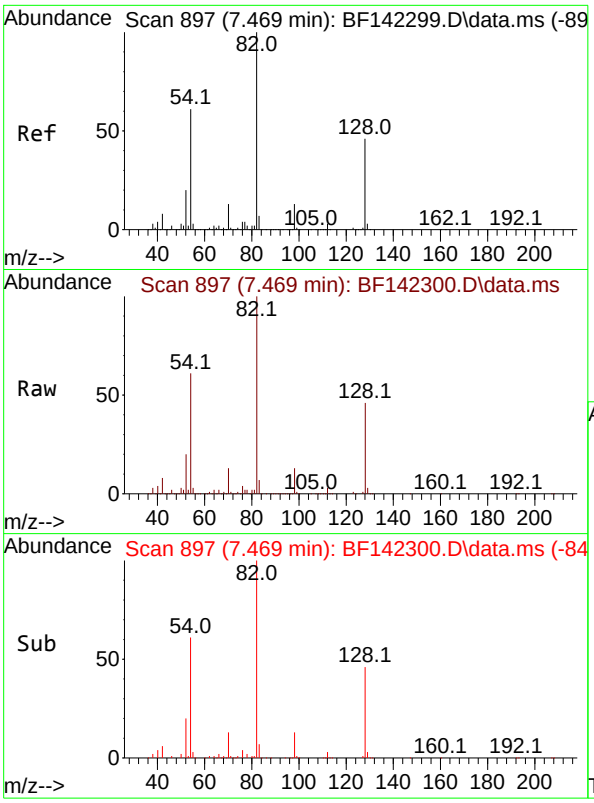


#22
Acetophenone
Concen: 50.190 ng
RT: 7.316 min Scan# 871
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:105 Resp: 809554

Ion	Ratio	Lower	Upper
105	100		
71	7.1	6.7	10.1
51	36.5	27.6	41.4
120	23.8	19.1	28.7



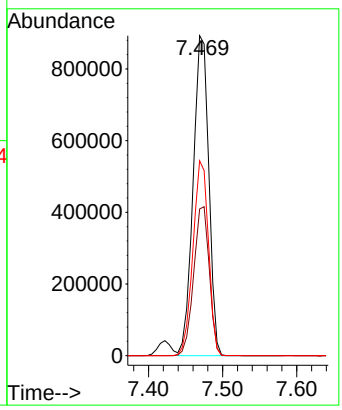


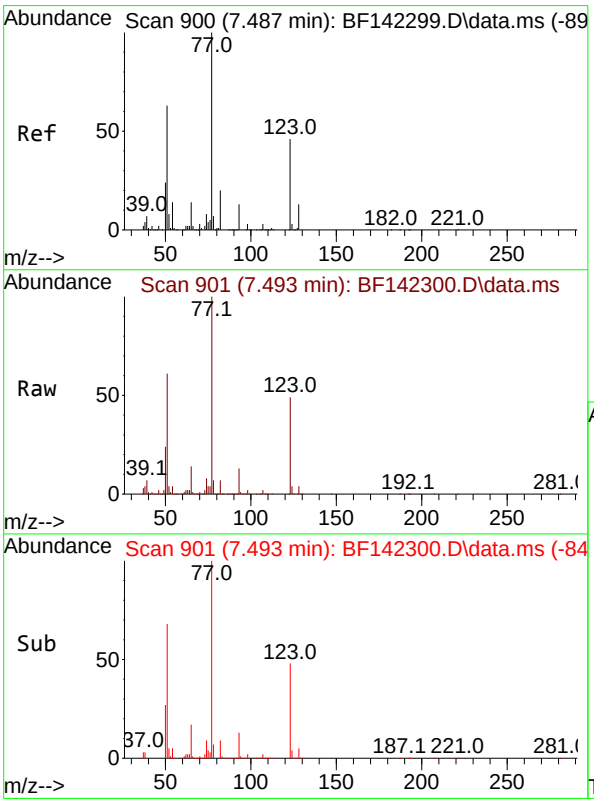
#23
Nitrobenzene-d5
Concen: 109.825 ng
RT: 7.469 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 1306356

Ion	Ratio	Lower	Upper
82	100		
128	45.8	37.0	55.6
54	60.9	48.6	73.0

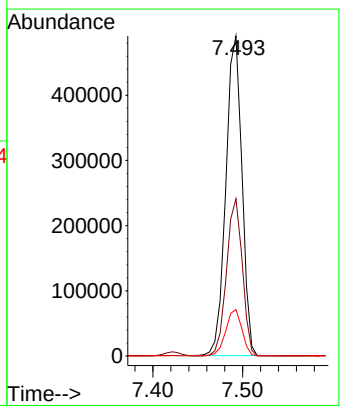


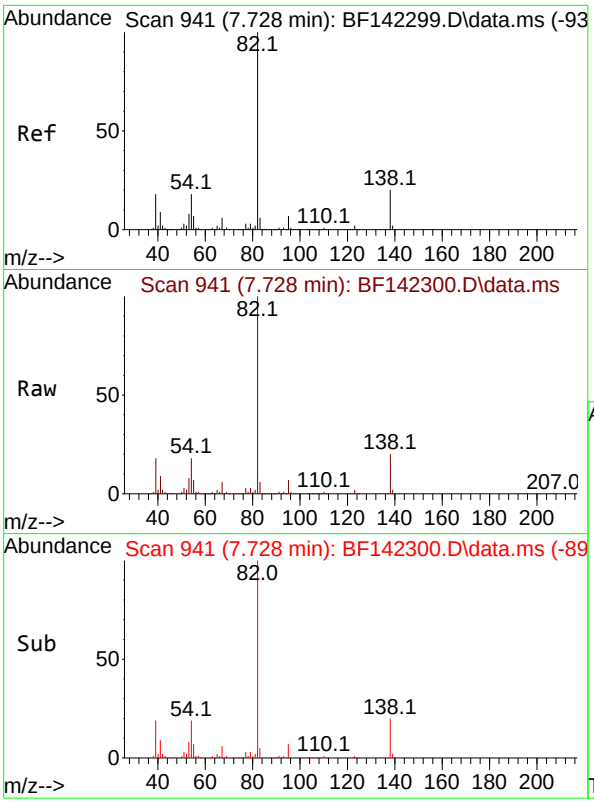


#24
Nitrobenzene
Concen: 54.450 ng
RT: 7.493 min Scan# 901
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion: 77 Resp: 610521

Ion	Ratio	Lower	Upper
77	100		
123	49.1	37.8	56.8
65	14.5	11.4	17.0



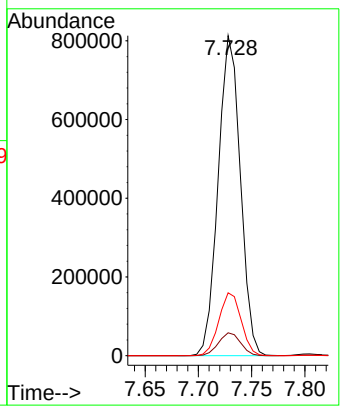


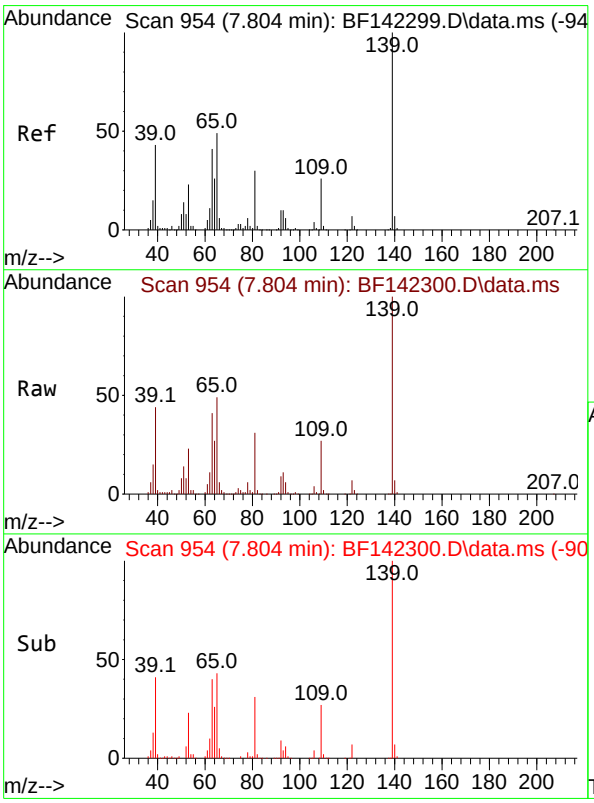
#25
Isophorone
Concen: 52.193 ng
RT: 7.728 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 82 Resp: 1175639

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.8	8.8
138	19.7	16.1	24.1

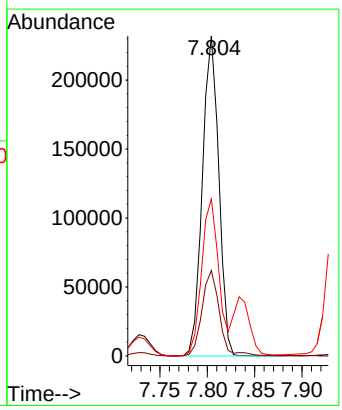


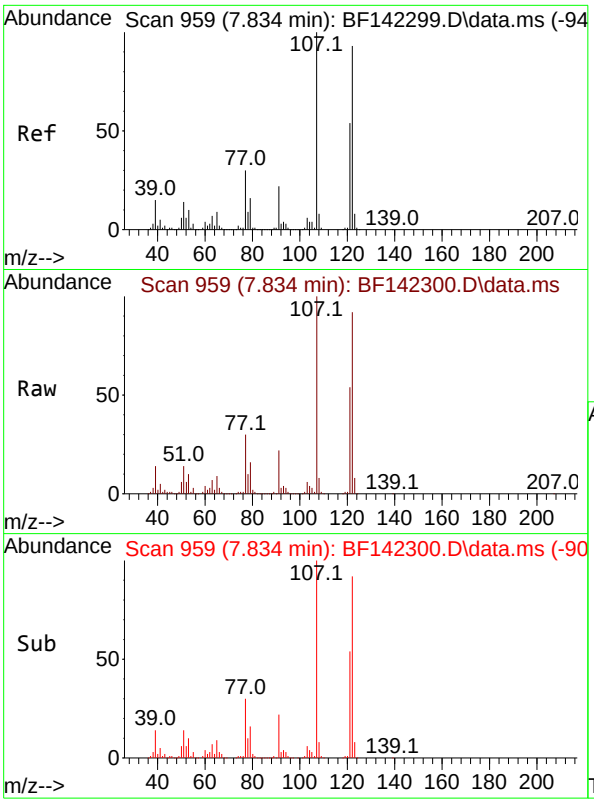


#26
2-Nitrophenol
Concen: 51.463 ng
RT: 7.804 min Scan# 954
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:139 Resp: 279873

Ion	Ratio	Lower	Upper
139	100		
109	26.7	20.8	31.2
65	49.1	38.9	58.3



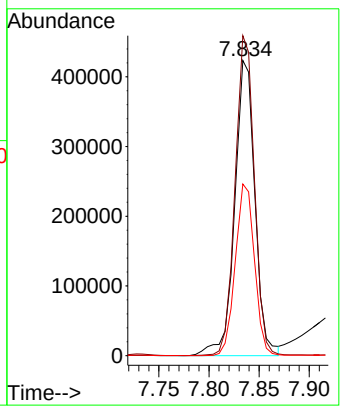


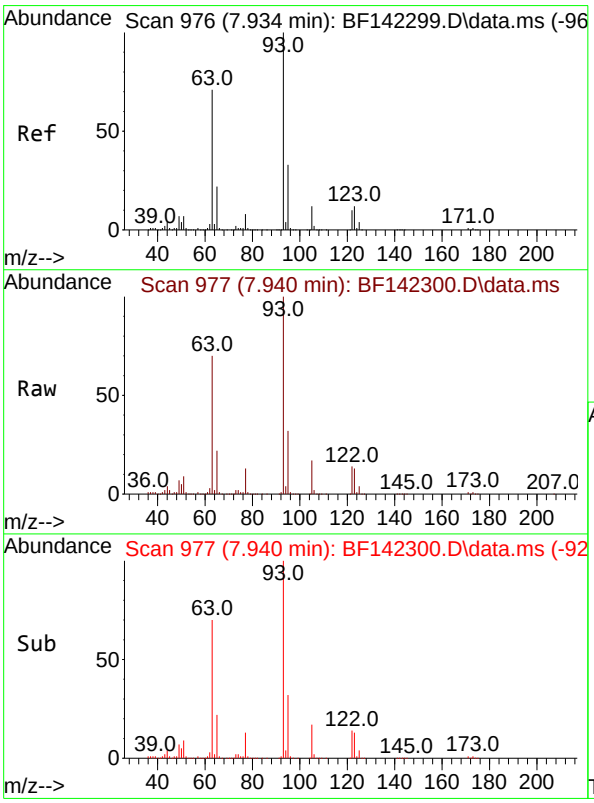
#27
2,4-Dimethylphenol
Concen: 52.647 ng
RT: 7.834 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:122 Resp: 596218

Ion	Ratio	Lower	Upper
122	100		
107	108.4	86.0	129.0
121	58.2	46.2	69.4

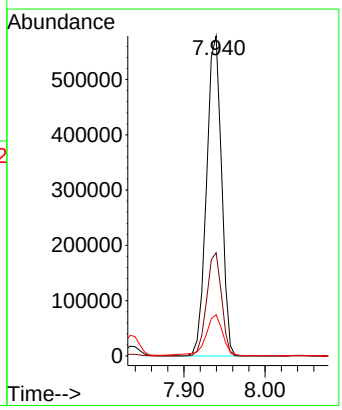


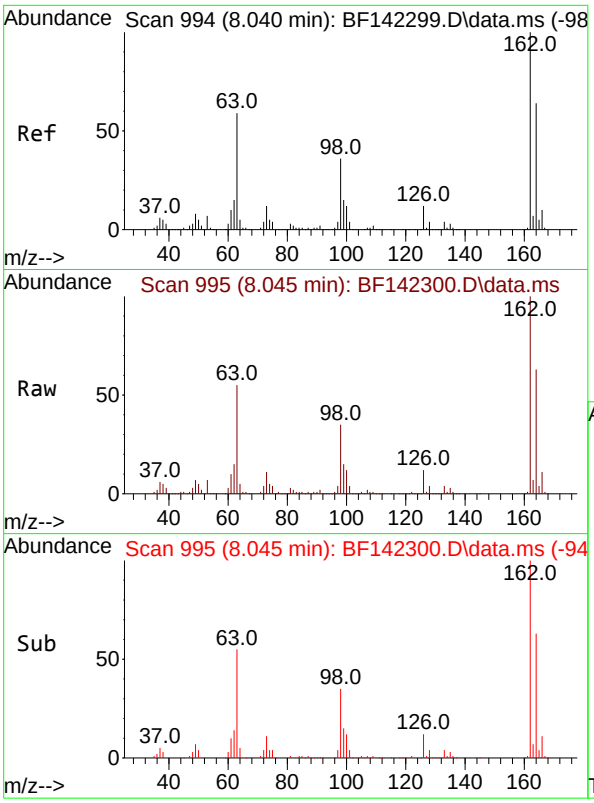


#28
bis(2-Chloroethoxy)methane
Concen: 51.070 ng
RT: 7.940 min Scan# 977
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion: 93 Resp: 739692

Ion	Ratio	Lower	Upper
93	100		
95	32.2	26.1	39.1
123	12.9	10.2	15.4



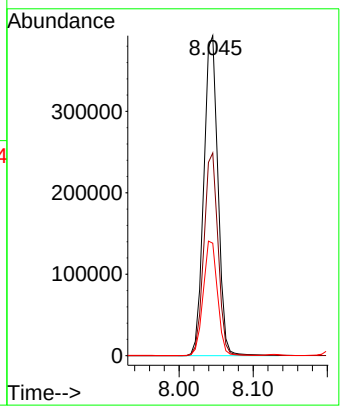


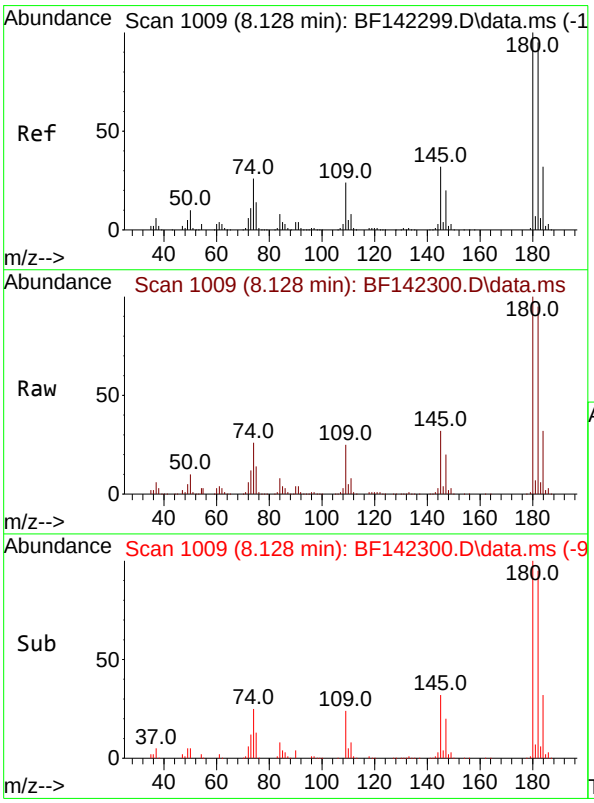
#29
2,4-Dichlorophenol
Concen: 54.183 ng
RT: 8.045 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 521673

Ion	Ratio	Lower	Upper
162	100		
164	63.4	43.6	83.6
98	35.1	16.5	56.5

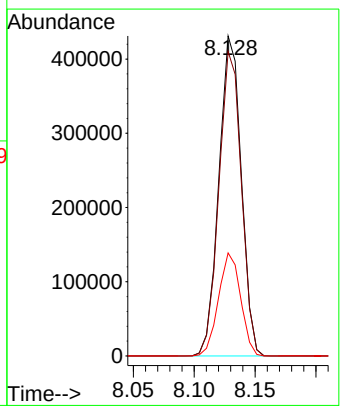


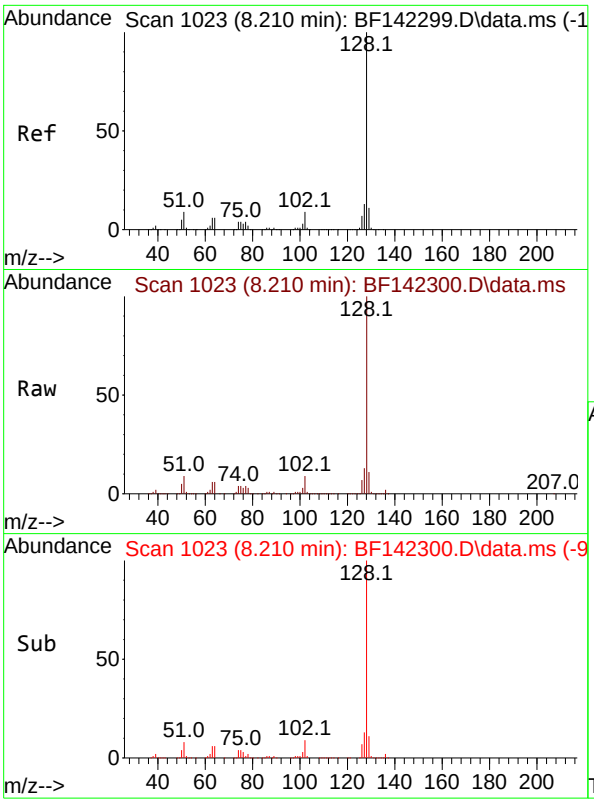


#30
1,2,4-Trichlorobenzene
Concen: 50.849 ng
RT: 8.128 min Scan# 1009
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:180 Resp: 550979

Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.2	114.4
145	32.2	25.8	38.6



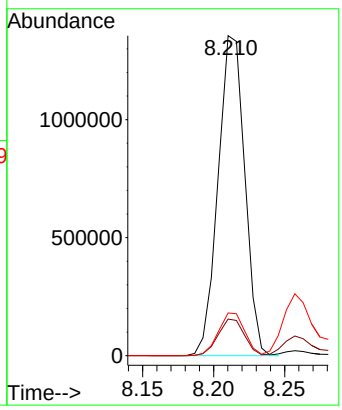


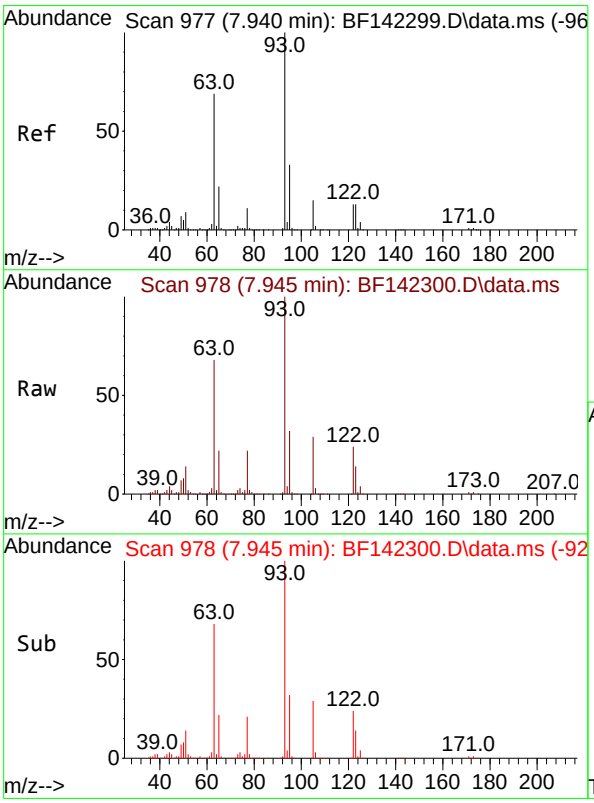
#31
Naphthalene
Concen: 50.454 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:128 Resp: 1773884

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.1	13.7
127	13.3	10.5	15.7

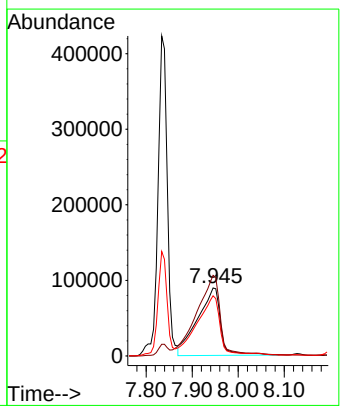


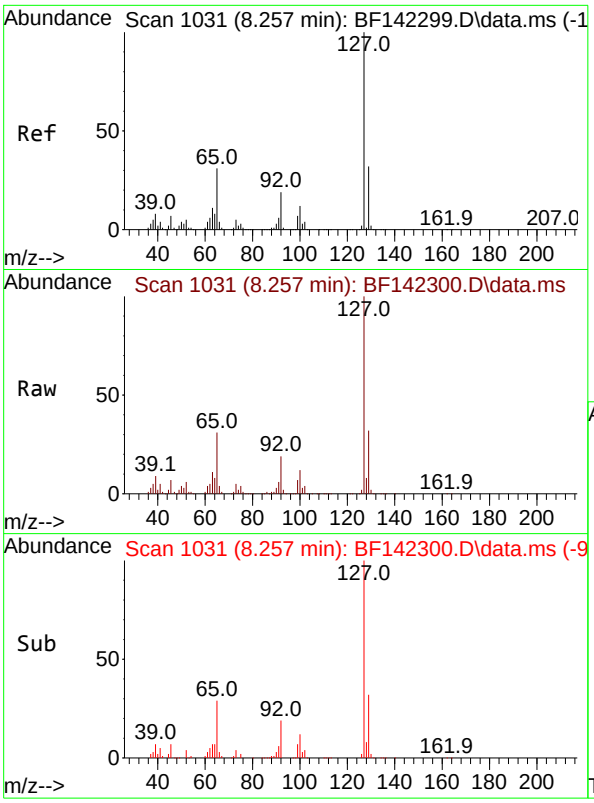


#32
Benzoic acid
Concen: 50.601 ng
RT: 7.945 min Scan# 978
Delta R.T. 0.005 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:122 Resp: 311543

Ion	Ratio	Lower	Upper
122	100		
105	118.6	97.9	137.9
77	88.5	67.7	107.7



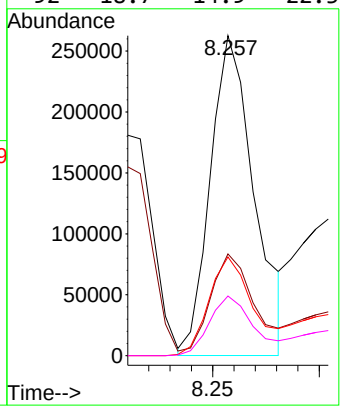


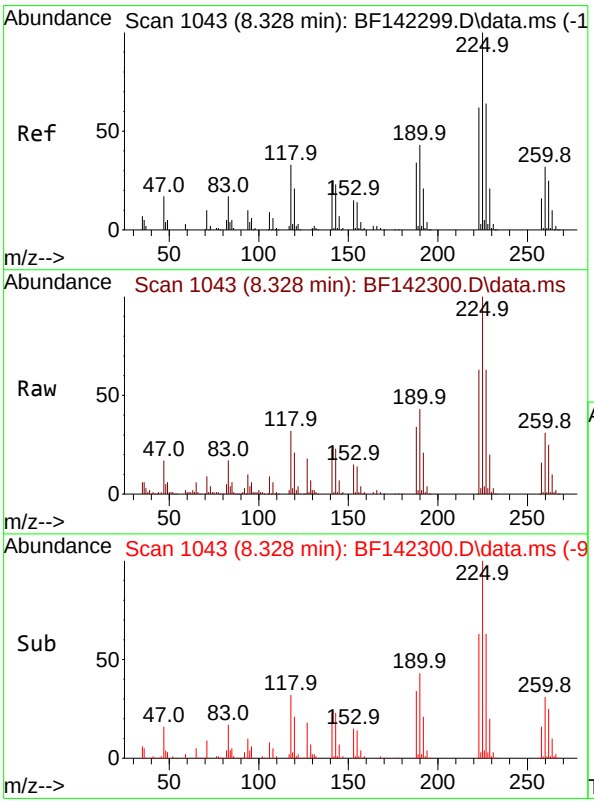
#33
4-Chloroaniline
Concen: 26.290 ng
RT: 8.257 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:127 Resp: 376489

Ion	Ratio	Lower	Upper
127	100		
129	31.8	25.7	38.5
65	30.9	24.9	37.3
92	18.7	14.9	22.3

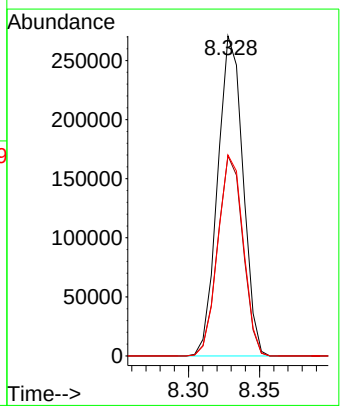


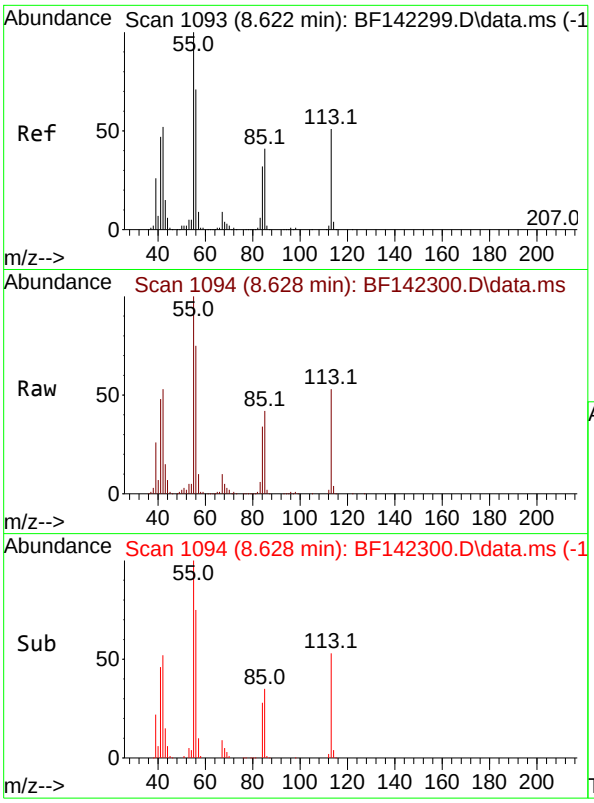


#34
Hexachlorobutadiene
Concen: 52.244 ng
RT: 8.328 min Scan# 1043
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:225 Resp: 335206

Ion	Ratio	Lower	Upper
225	100		
223	62.6	49.8	74.6
227	62.8	50.9	76.3



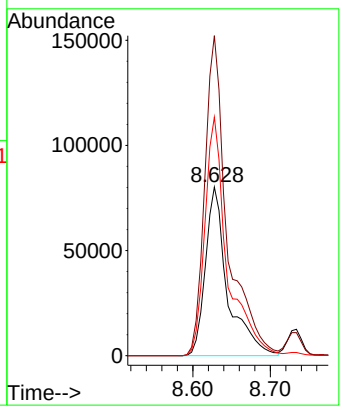


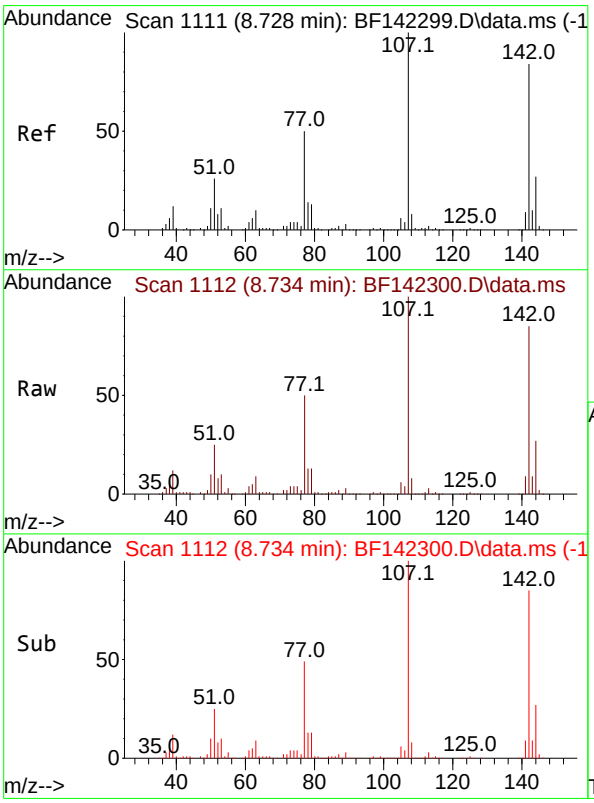
#35
Caprolactam
Concen: 57.291 ng
RT: 8.628 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:113 Resp: 160421

Ion	Ratio	Lower	Upper
113	100		
55	189.7	176.4	216.4
56	141.4	120.3	160.3

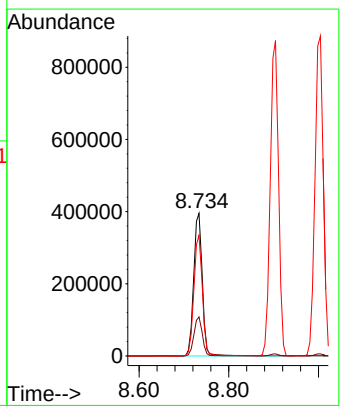


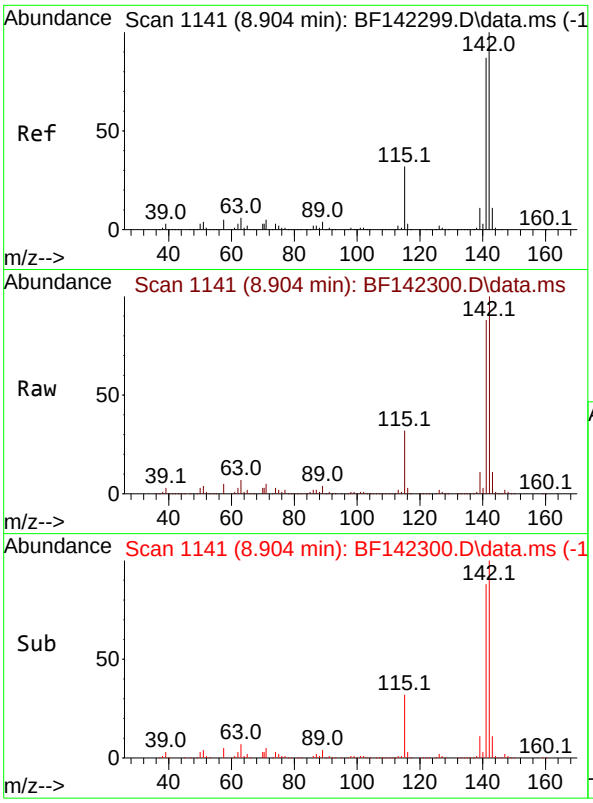


#36
4-Chloro-3-methylphenol
Concen: 52.584 ng
RT: 8.734 min Scan# 1112
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:107 Resp: 526289

Ion	Ratio	Lower	Upper
107	100		
144	27.4	21.3	31.9
142	84.6	66.9	100.3



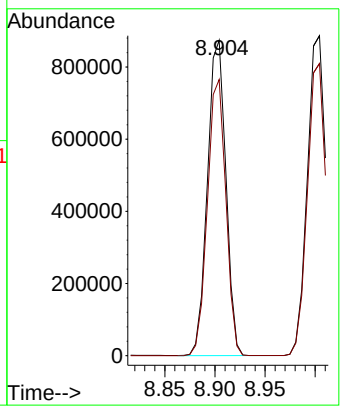


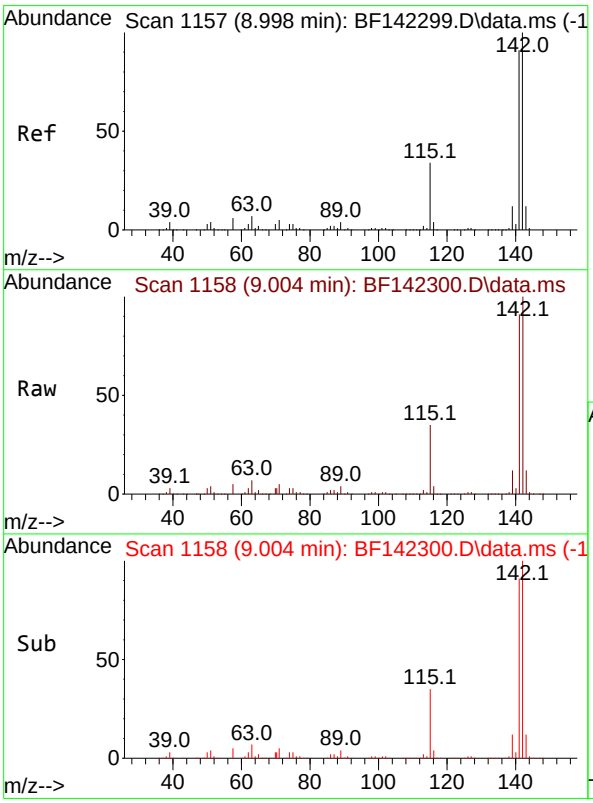
#37
2-Methylnaphthalene
Concen: 51.036 ng
RT: 8.904 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:142 Resp: 1114987

Ion	Ratio	Lower	Upper
142	100		
141	87.6	69.4	104.2

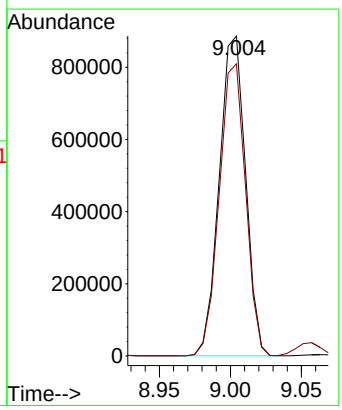


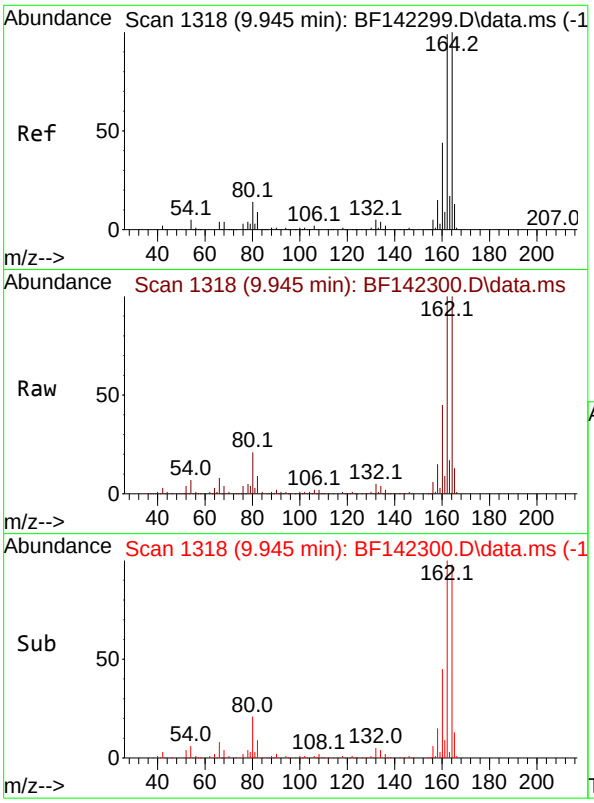


#38
1-Methylnaphthalene
Concen: 50.158 ng
RT: 9.004 min Scan# 1158
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:142 Resp: 1142120

Ion	Ratio	Lower	Upper
142	100		
141	91.3	72.5	108.7



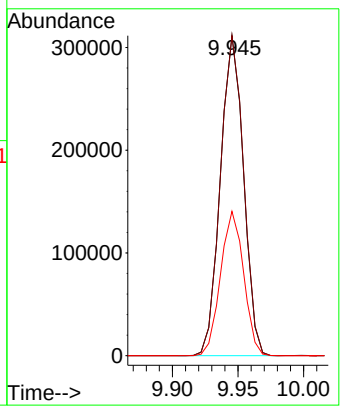


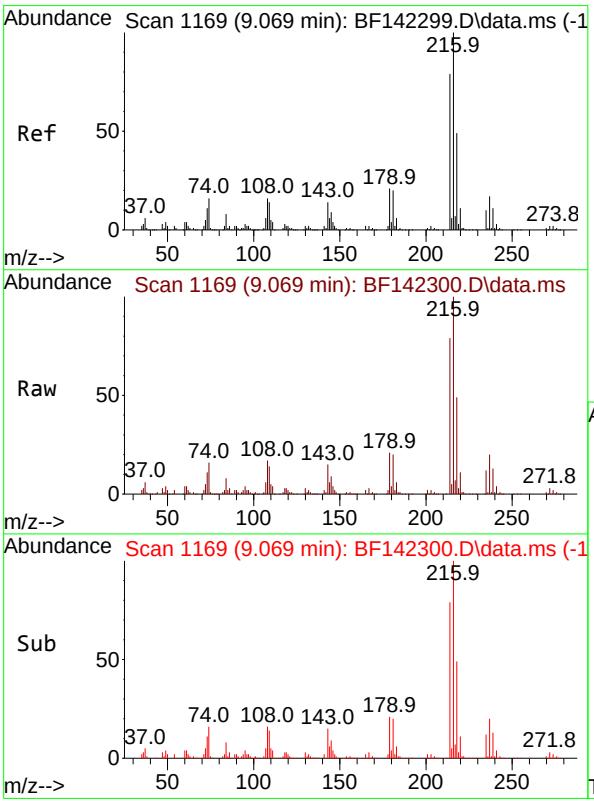
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:164 Resp: 381581

Ion	Ratio	Lower	Upper
164	100		
162	100.0	79.2	118.8
160	45.1	35.3	52.9

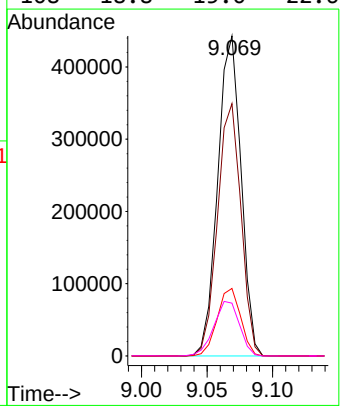


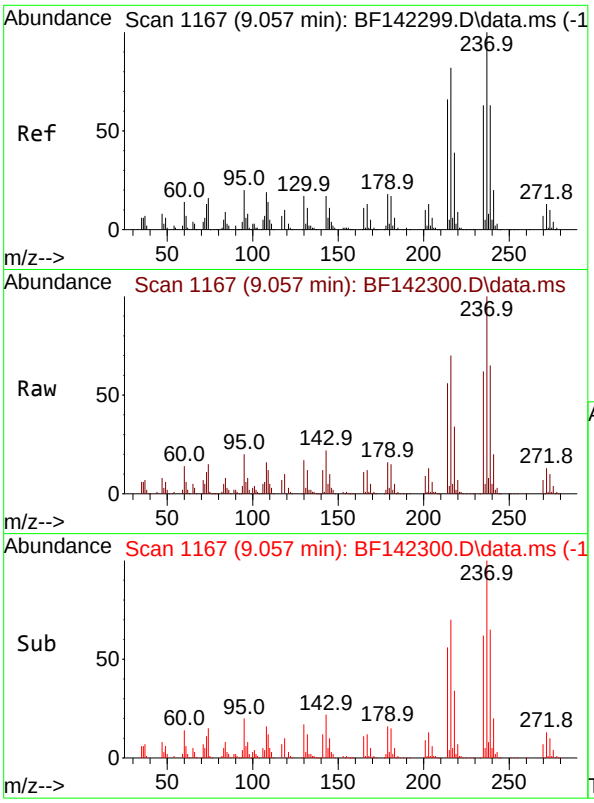


#40
1,2,4,5-Tetrachlorobenzene
Concen: 51.375 ng
RT: 9.069 min Scan# 1169
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:216 Resp: 547513

Ion	Ratio	Lower	Upper
216	100		
214	79.2	63.8	95.6
179	21.2	17.0	25.6
108	18.8	15.0	22.6



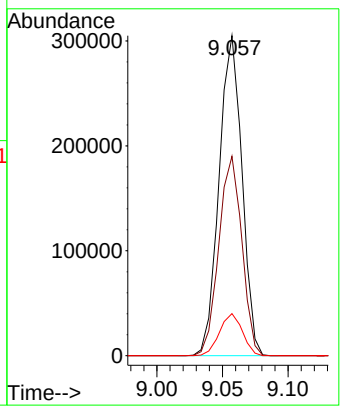


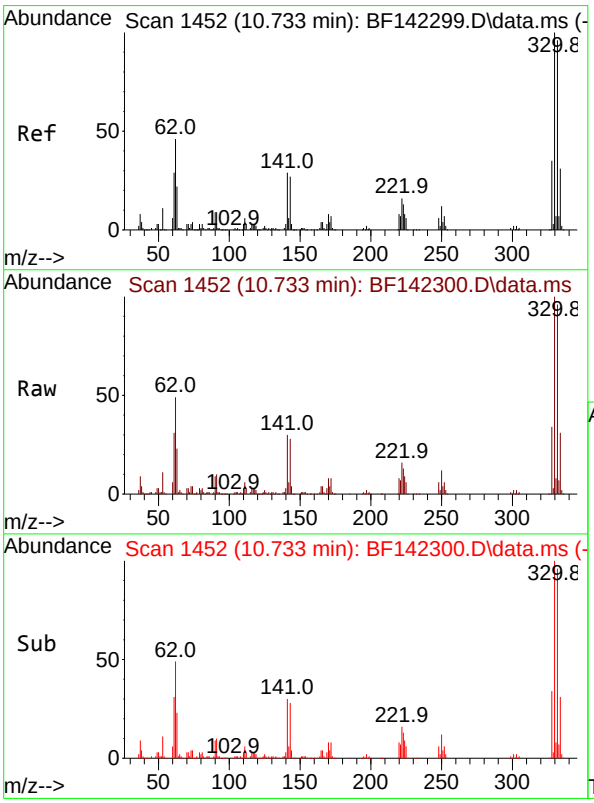
#41
Hexachlorocyclopentadiene
Concen: 56.140 ng
RT: 9.057 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:237 Resp: 369761

Ion	Ratio	Lower	Upper
237	100		
235	62.3	42.8	82.8
272	13.2	0.0	33.0

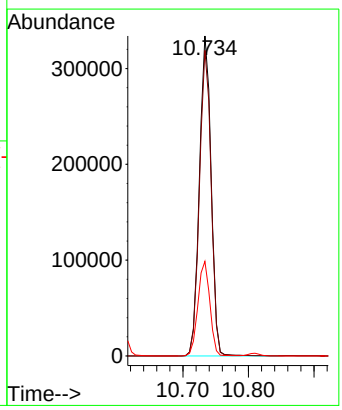


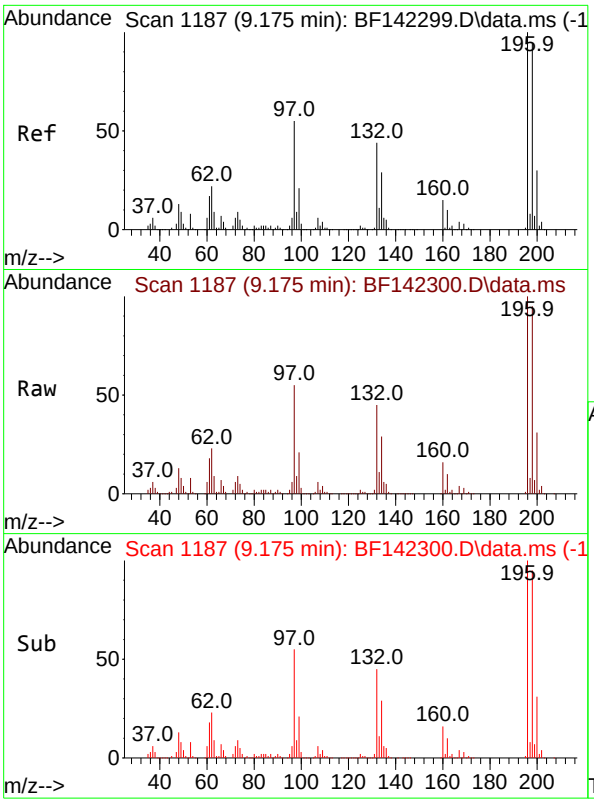


#42
2,4,6-Tribromophenol
Concen: 113.025 ng
RT: 10.733 min Scan# 1452
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:330 Resp: 416395

Ion	Ratio	Lower	Upper
330	100		
332	95.5	76.8	115.2
141	30.1	24.9	37.3



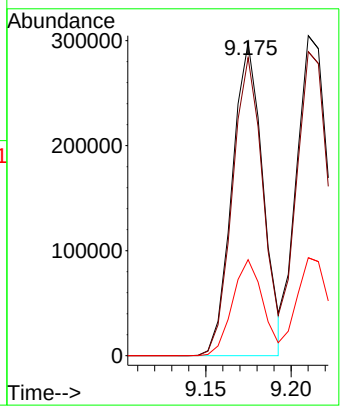


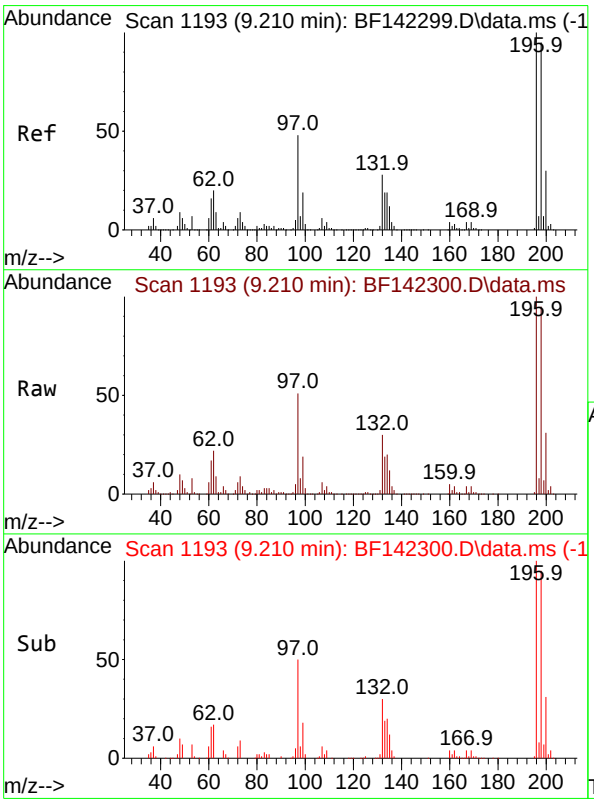
#43
2,4,6-Trichlorophenol
Concen: 55.803 ng
RT: 9.175 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:196 Resp: 375122

Ion	Ratio	Lower	Upper
196	100		
198	95.2	75.4	113.0
200	30.7	24.3	36.5

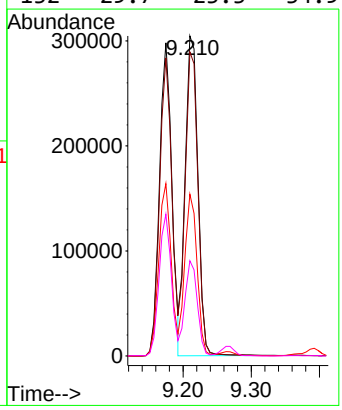


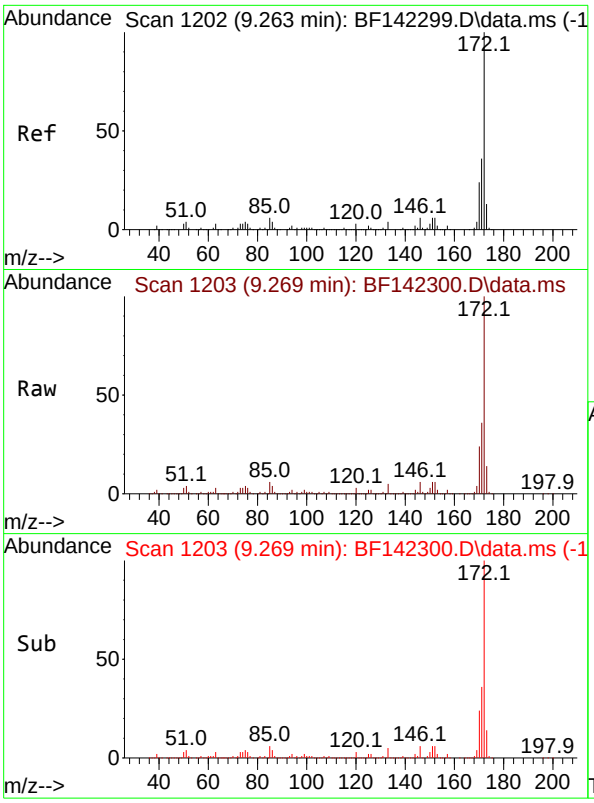


#44
2,4,5-Trichlorophenol
Concen: 55.134 ng
RT: 9.210 min Scan# 1193
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:196 Resp: 394344

Ion	Ratio	Lower	Upper
196	100		
198	95.0	76.1	114.1
97	50.5	39.0	58.4
132	29.7	23.3	34.9



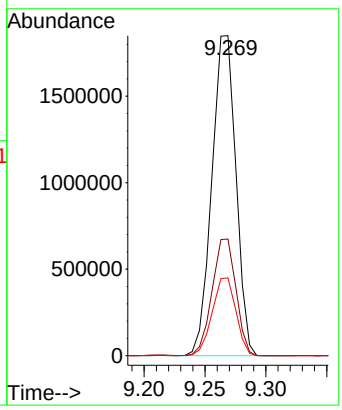


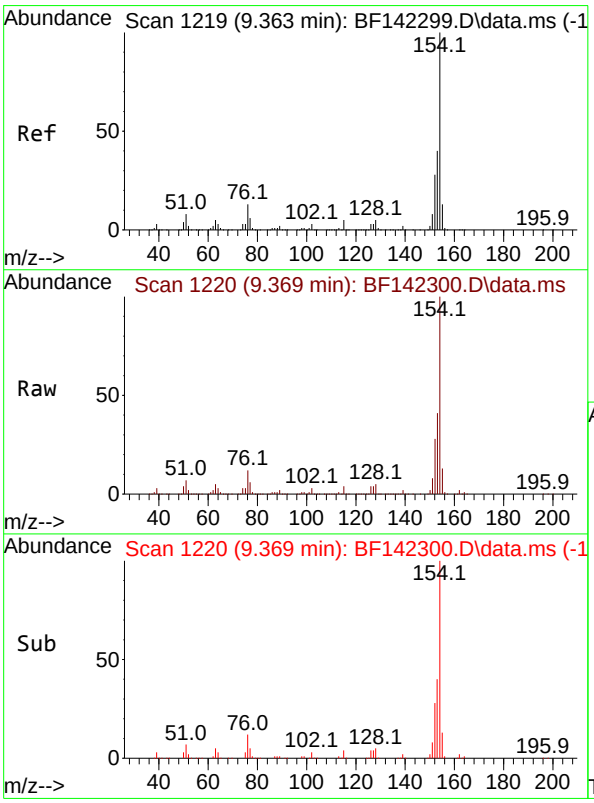
#45
2-Fluorobiphenyl
Concen: 95.292 ng
RT: 9.269 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:172 Resp: 2550133

Ion	Ratio	Lower	Upper
172	100		
171	36.4	28.6	42.8
170	24.3	19.0	28.4

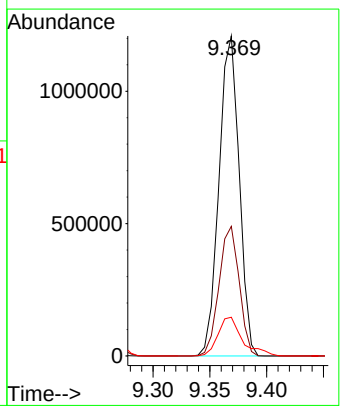


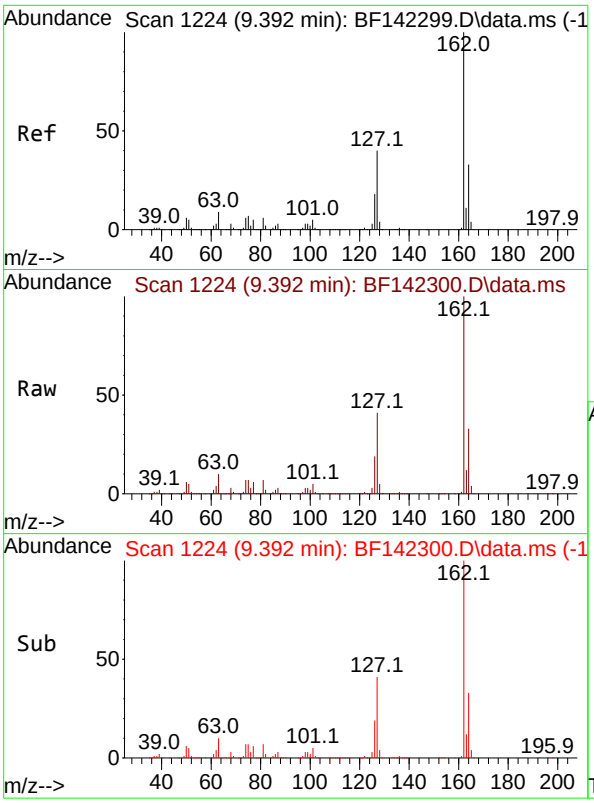


#46
1,1'-Biphenyl
Concen: 51.084 ng
RT: 9.369 min Scan# 1220
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:154 Resp: 1494596

Ion	Ratio	Lower	Upper
154	100		
153	40.5	20.5	60.5
76	12.1	0.0	32.8



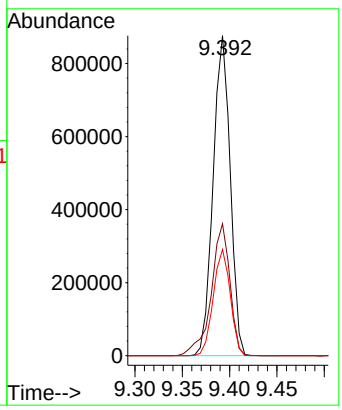


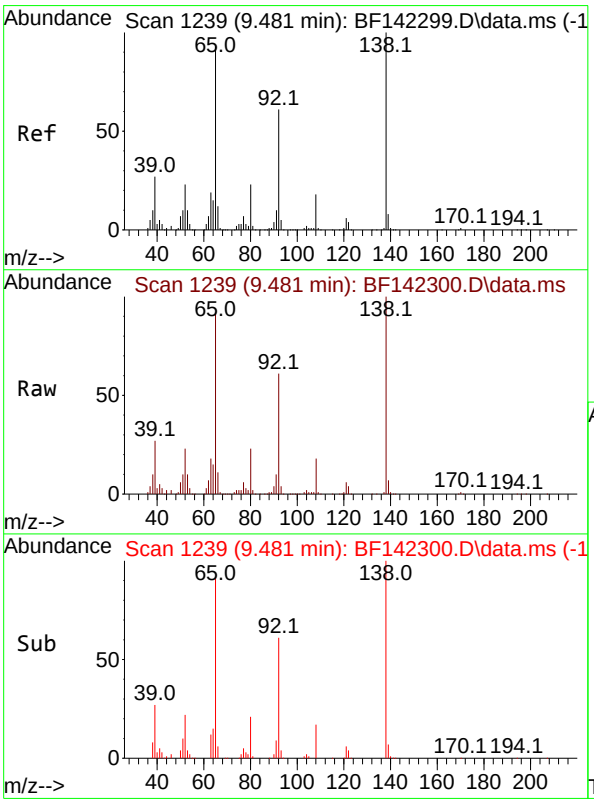
#47
2-Chloronaphthalene
Concen: 50.645 ng
RT: 9.392 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 1101937

Ion	Ratio	Lower	Upper
162	100		
127	41.2	32.3	48.5
164	33.2	26.6	40.0

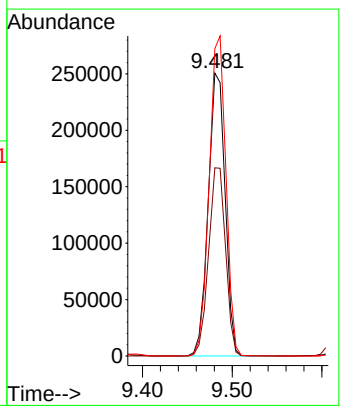


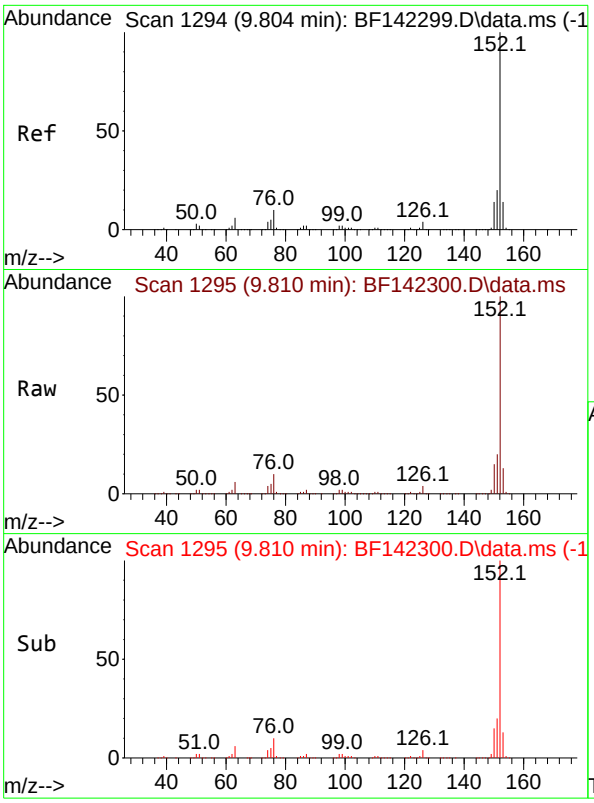


#48
2-Nitroaniline
Concen: 58.781 ng
RT: 9.481 min Scan# 1239
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion: 65 Resp: 327821

Ion	Ratio	Lower	Upper
65	100		
92	66.6	52.3	78.5
138	108.7	85.6	128.4



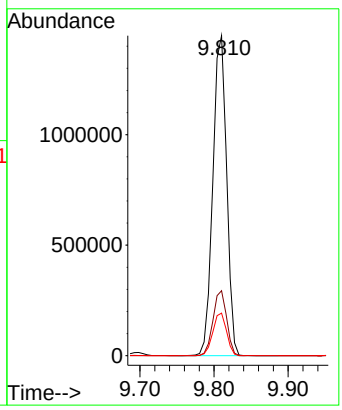


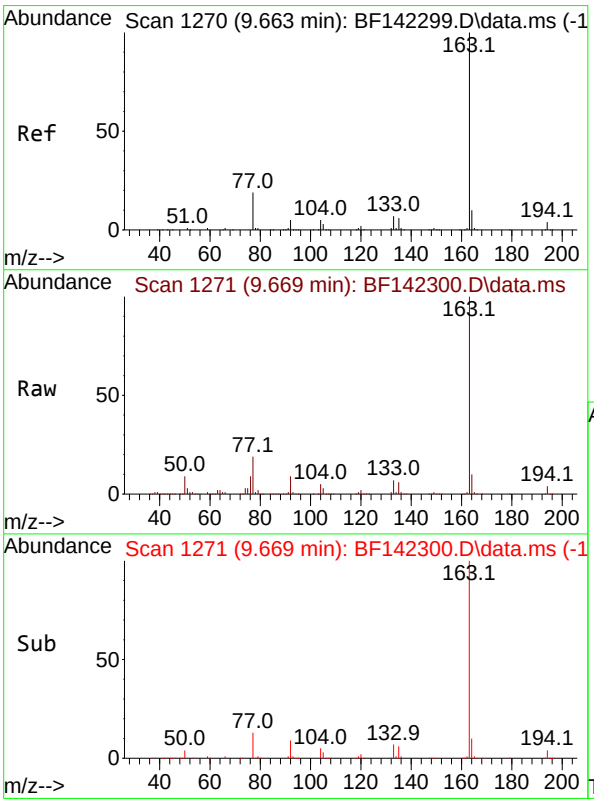
#49
Acenaphthylene
Concen: 51.328 ng
RT: 9.810 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:152 Resp: 1868268

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.0	24.0
153	13.3	10.8	16.2

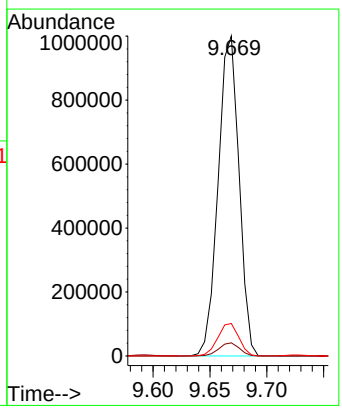


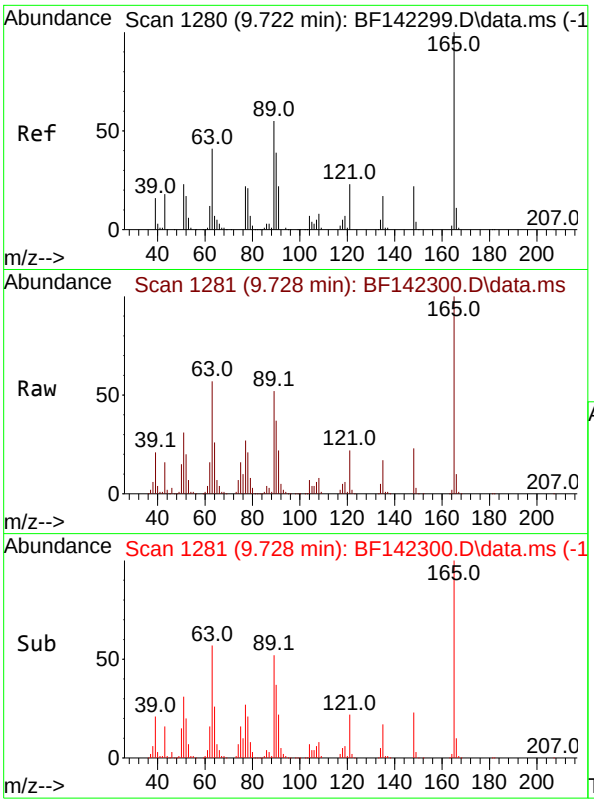


#50
Dimethylphthalate
Concen: 52.252 ng
RT: 9.669 min Scan# 1271
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:163 Resp: 1280292

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.2	4.8
164	10.2	8.3	12.5



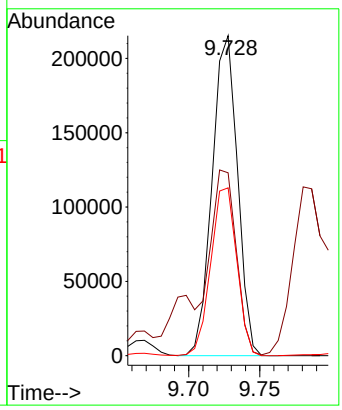


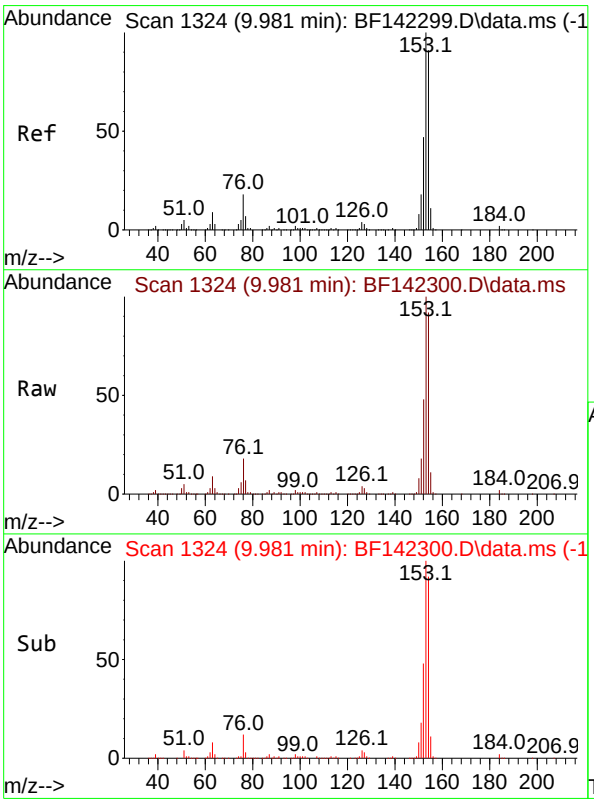
#51
2,6-Dinitrotoluene
Concen: 58.331 ng
RT: 9.728 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 267530

Ion	Ratio	Lower	Upper
165	100		
63	57.1	49.5	74.3
89	52.4	44.6	66.8

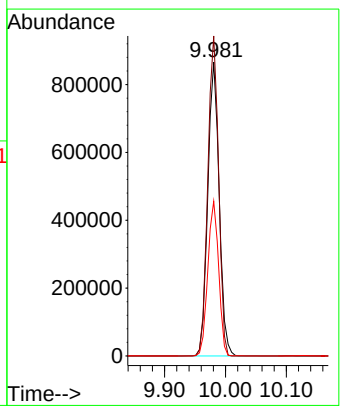


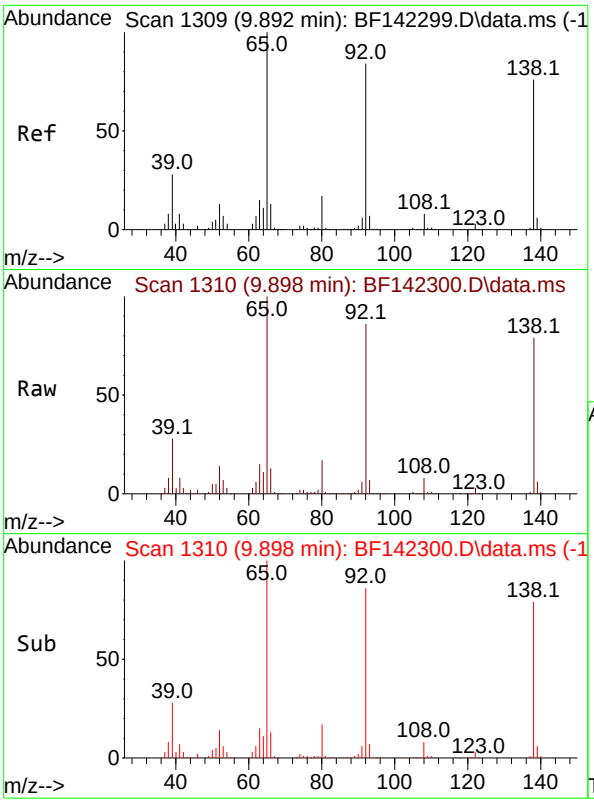


#52
Acenaphthene
Concen: 51.436 ng
RT: 9.981 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:154 Resp: 1125706

Ion	Ratio	Lower	Upper
154	100		
153	108.9	88.0	132.0
152	52.6	41.6	62.4



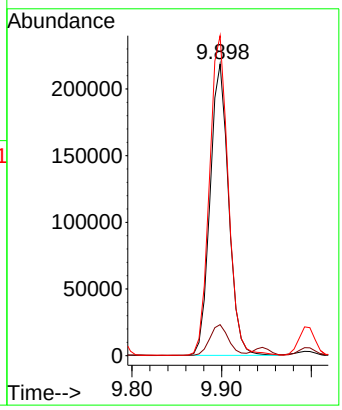


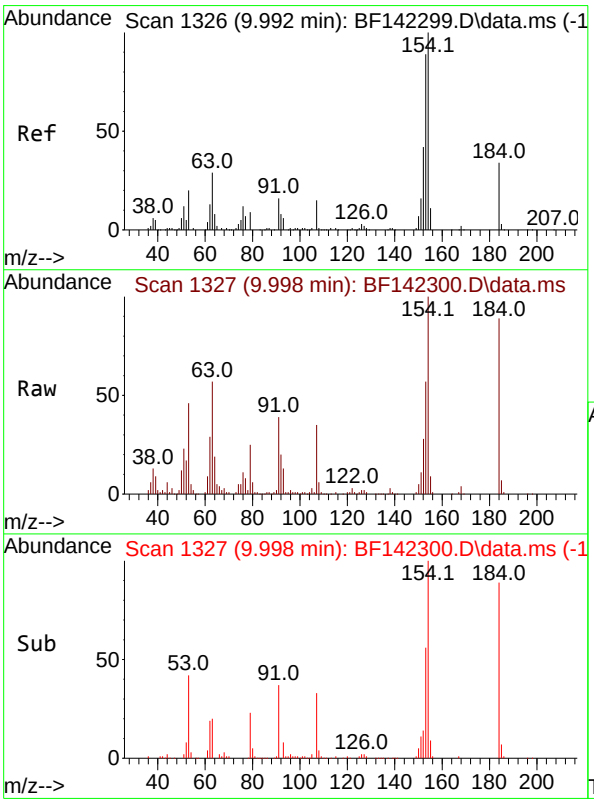
#53
3-Nitroaniline
Concen: 58.354 ng
RT: 9.898 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:138 Resp: 313887

Ion	Ratio	Lower	Upper
138	100		
108	10.7	8.7	13.1
92	109.7	89.5	134.3

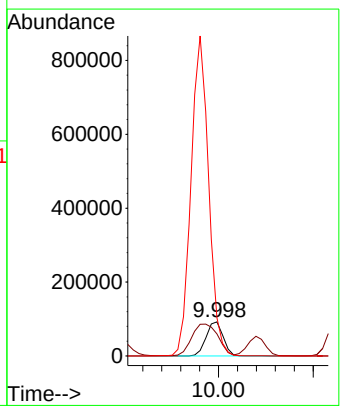


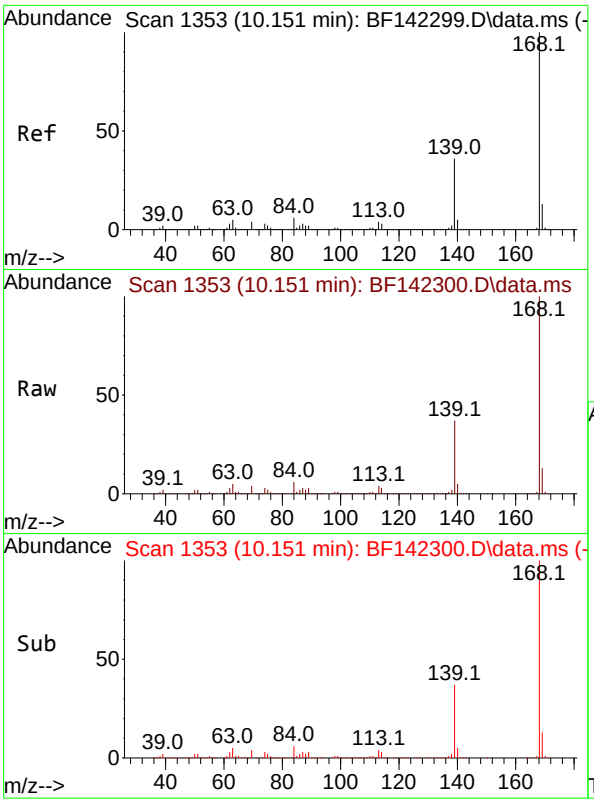


#54
2,4-Dinitrophenol
Concen: 50.908 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:184 Resp: 114759

Ion	Ratio	Lower	Upper
184	100		
63	64.7	70.6	105.8#
154	112.5	257.2	385.8#



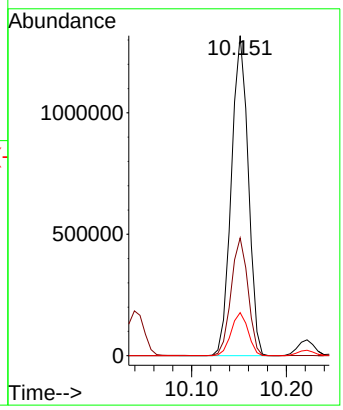


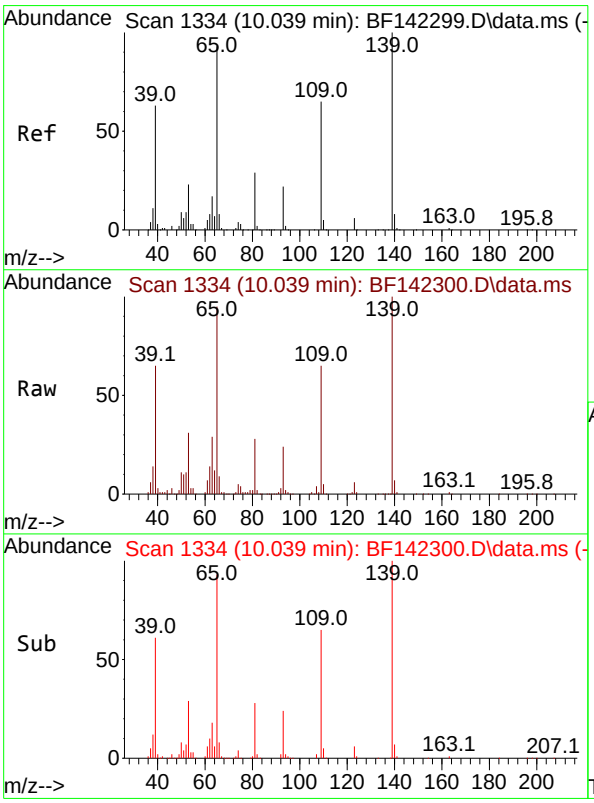
#55
Dibenzofuran
Concen: 50.542 ng
RT: 10.151 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:168 Resp: 1632492

Ion	Ratio	Lower	Upper
168	100		
139	36.8	29.0	43.4
169	13.5	10.7	16.1

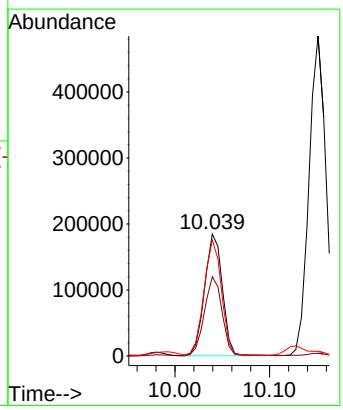


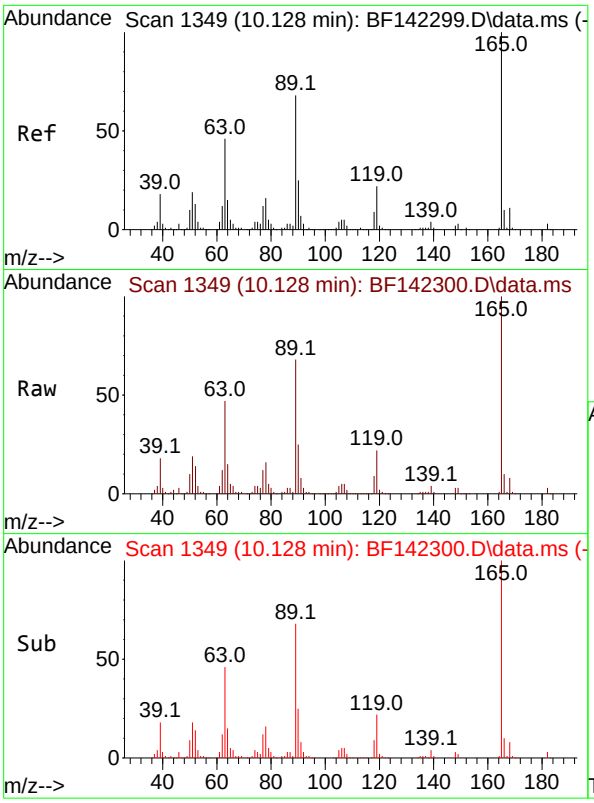


#56
4-Nitrophenol
Concen: 59.524 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:139 Resp: 240972

Ion	Ratio	Lower	Upper
139	100		
109	64.9	45.3	85.3
65	95.0	73.9	113.9



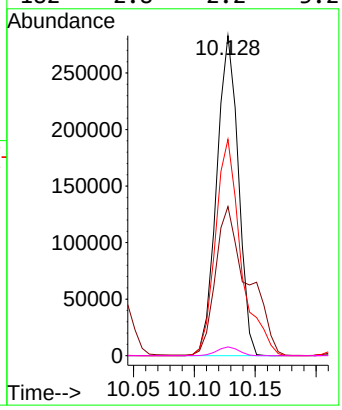


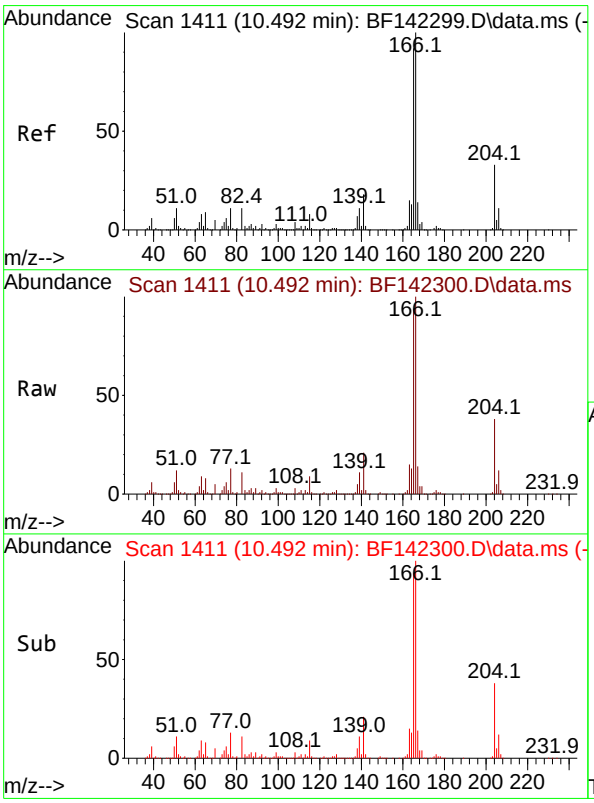
#57
2,4-Dinitrotoluene
Concen: 59.620 ng
RT: 10.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:165 Resp: 350749

Ion	Ratio	Lower	Upper
165	100		
63	46.6	37.1	55.7
89	67.6	54.4	81.6
182	2.8	2.2	3.2

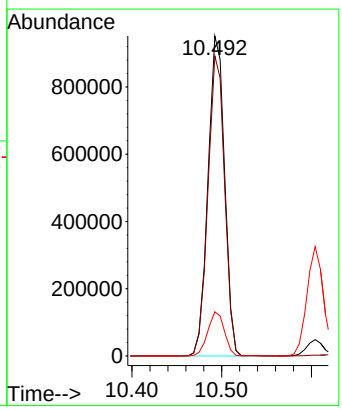


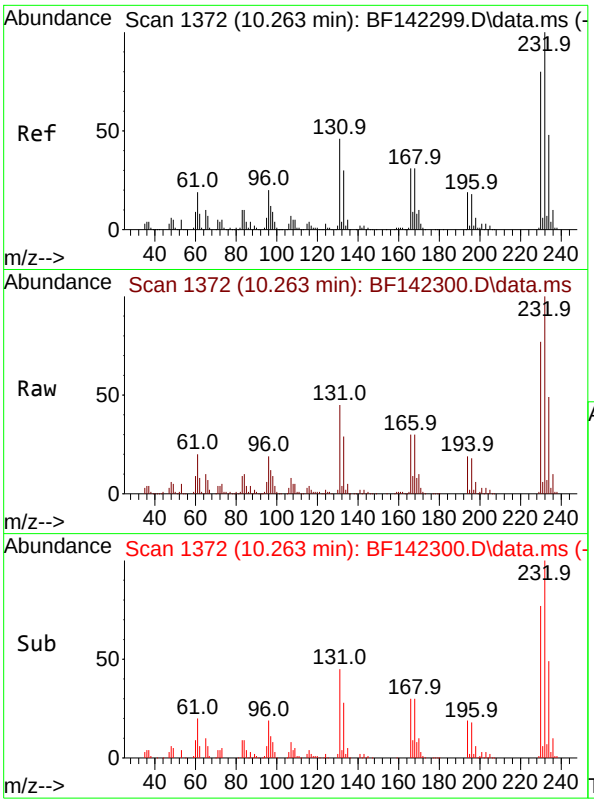


#58
Fluorene
Concen: 49.671 ng
RT: 10.492 min Scan# 1411
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:166 Resp: 1224371

Ion	Ratio	Lower	Upper
166	100		
165	93.8	74.0	111.0
167	13.8	10.9	16.3



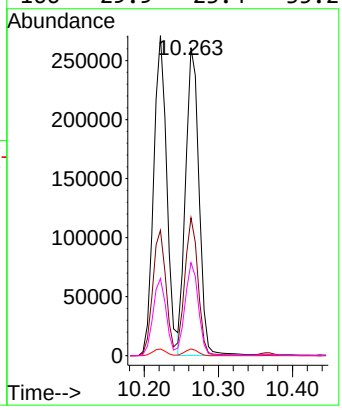


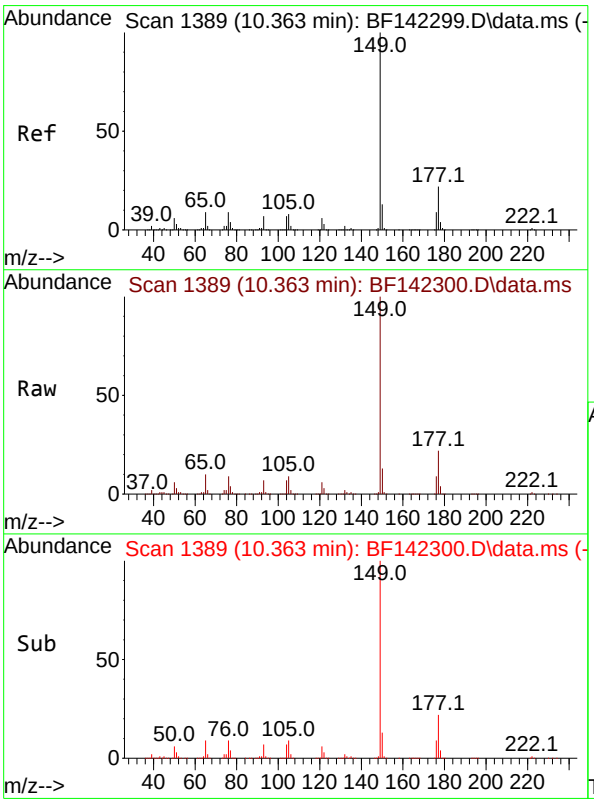
#59
2,3,4,6-Tetrachlorophenol
Concen: 55.542 ng
RT: 10.263 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:232 Resp: 327947

Ion	Ratio	Lower	Upper
232	100		
131	44.3	36.0	54.0
130	2.2	1.8	2.6
166	29.9	23.4	35.2

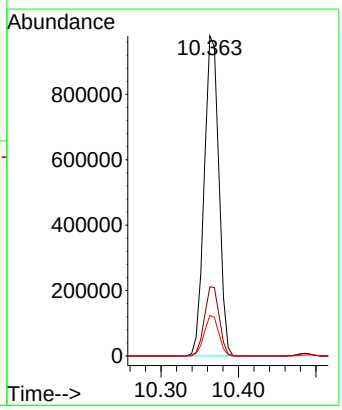


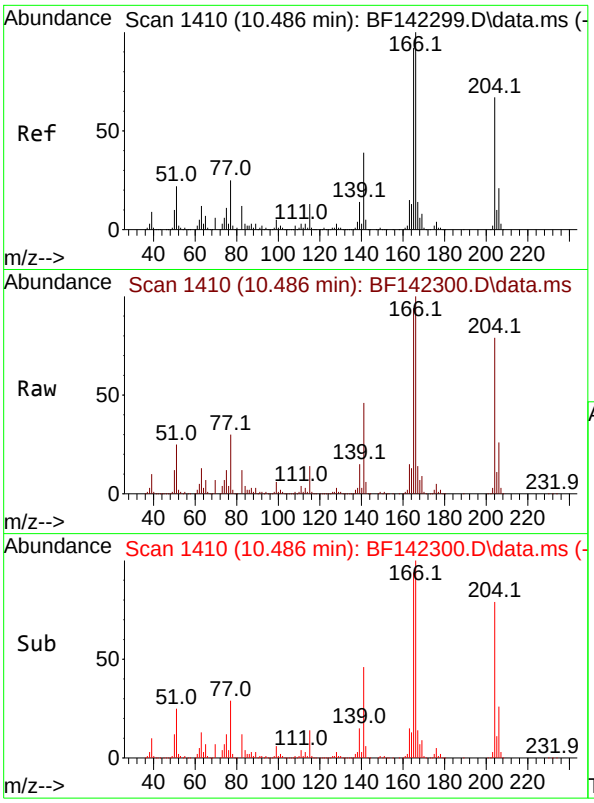


#60
Diethylphthalate
Concen: 52.397 ng
RT: 10.363 min Scan# 1389
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:149 Resp: 1282136

Ion	Ratio	Lower	Upper
149	100		
177	21.6	17.6	26.4
150	12.6	10.1	15.1



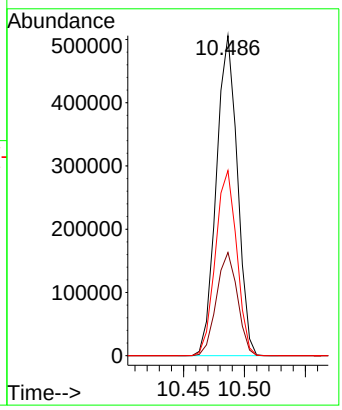


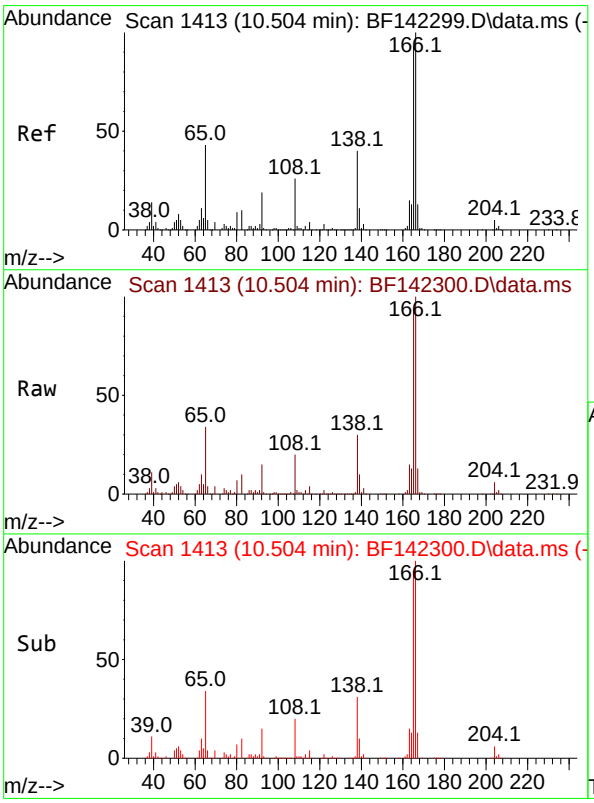
#61
4-Chlorophenyl-phenylether
Concen: 51.168 ng
RT: 10.486 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:204 Resp: 608508

Ion	Ratio	Lower	Upper
204	100		
206	32.3	25.5	38.3
141	57.8	46.4	69.6

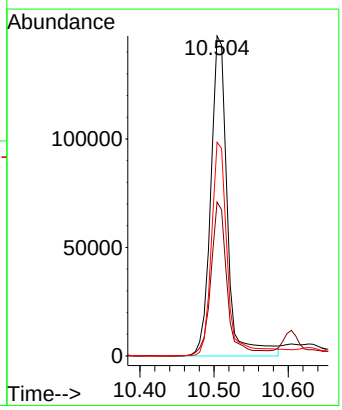


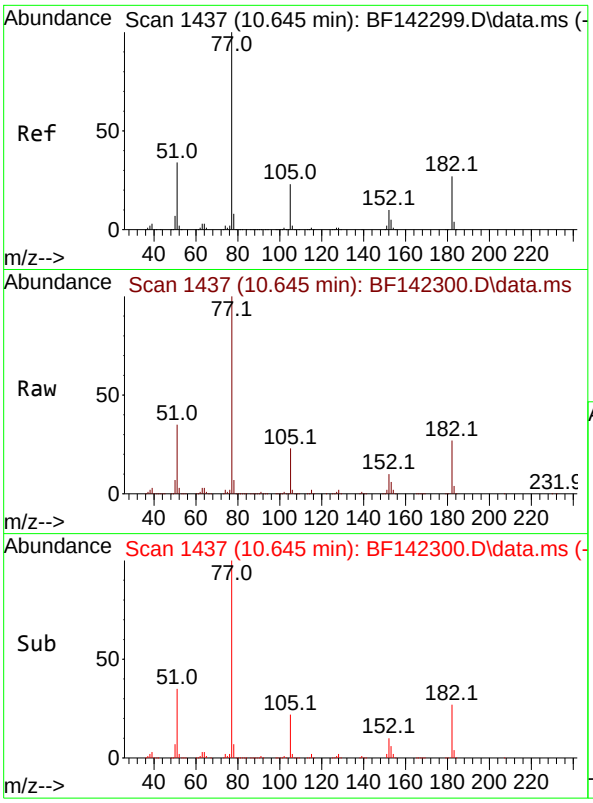


#62
4-Nitroaniline
Concen: 53.785 ng
RT: 10.504 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:138 Resp: 229299

Ion	Ratio	Lower	Upper
138	100		
92	48.1	27.3	67.3
108	66.8	45.1	85.1



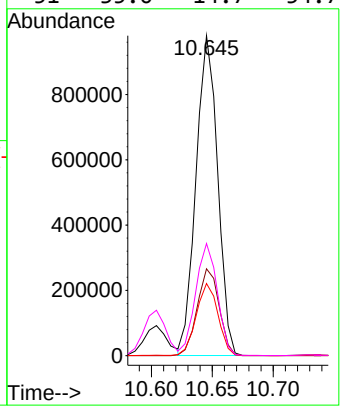


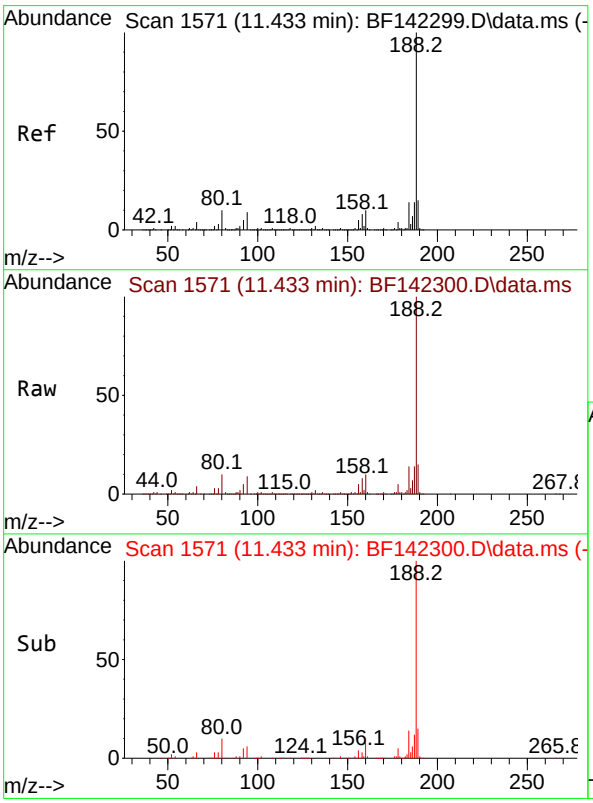
#63
Azobenzene
Concen: 51.833 ng
RT: 10.645 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 77 Resp: 1211976

Ion	Ratio	Lower	Upper
77	100		
182	27.1	6.9	46.9
105	22.5	2.7	42.7
51	35.0	14.7	54.7

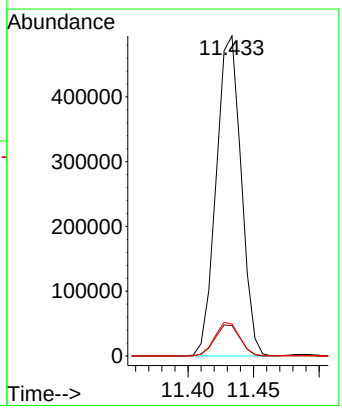


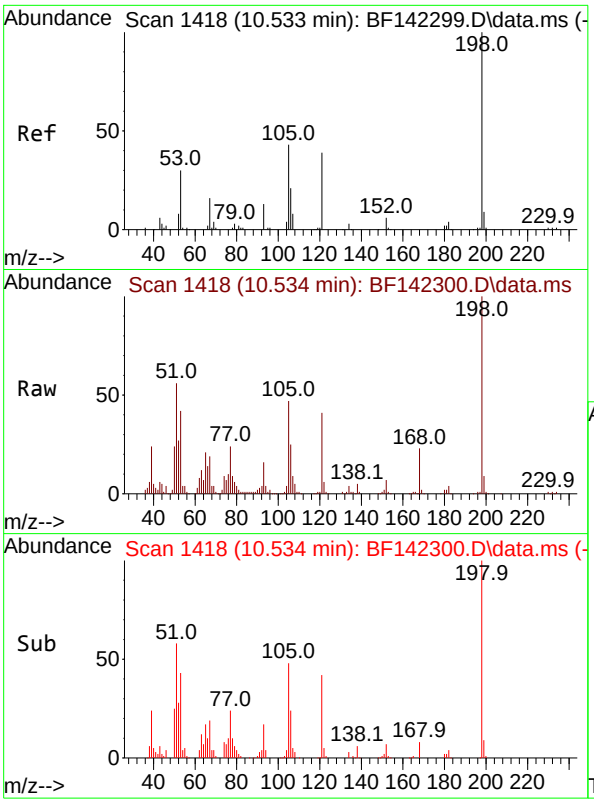


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1571
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:188 Resp: 653321

Ion	Ratio	Lower	Upper
188	100		
94	9.5	7.5	11.3
80	10.0	7.9	11.9



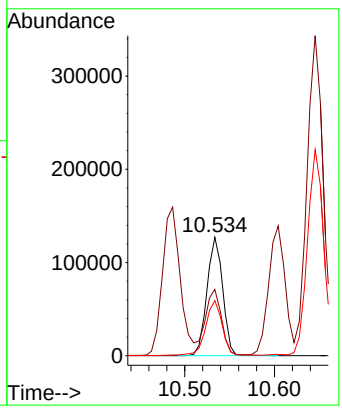


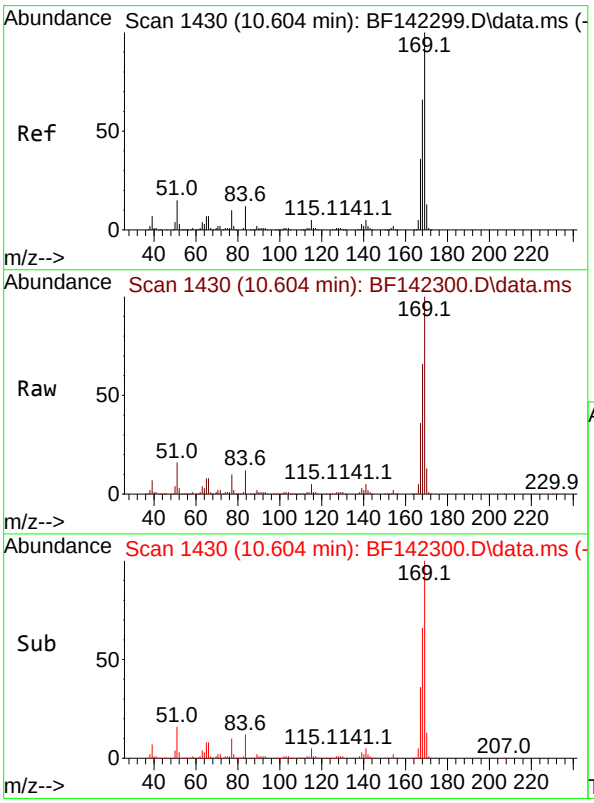
#65
4,6-Dinitro-2-methylphenol
Concen: 50.269 ng
RT: 10.534 min Scan# 14
Delta R.T. 0.001 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 154307

Ion	Ratio	Lower	Upper
198	100		
51	56.0	32.9	72.9
105	46.5	23.7	63.7

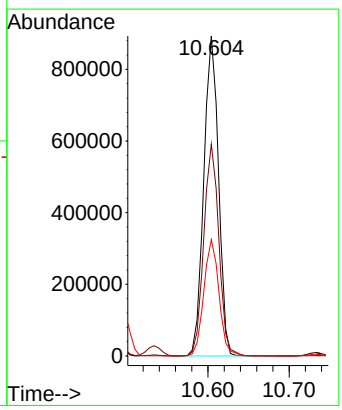


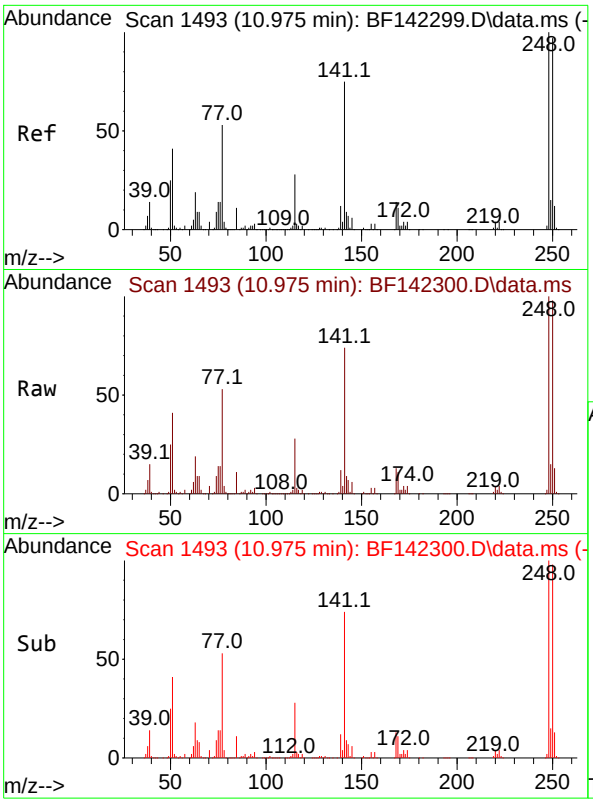


#66
n-Nitrosodiphenylamine
Concen: 51.544 ng
RT: 10.604 min Scan# 1430
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:169 Resp: 1120570

Ion	Ratio	Lower	Upper
169	100		
168	66.2	53.2	79.8
167	36.4	28.9	43.3



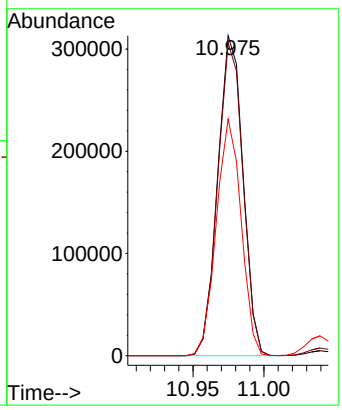


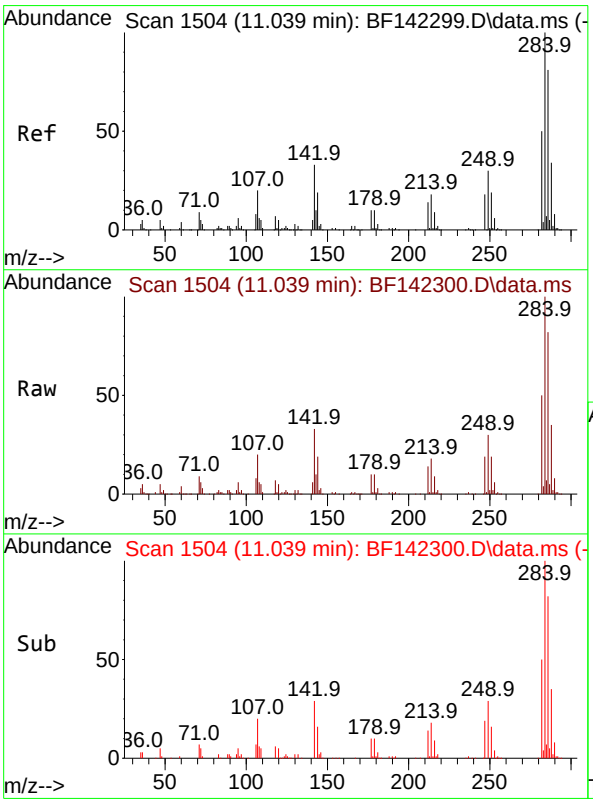
#67
4-Bromophenyl-phenylether
Concen: 52.469 ng
RT: 10.975 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:248 Resp: 388493

Ion	Ratio	Lower	Upper
248	100		
250	97.8	77.9	116.9
141	73.9	59.8	89.8

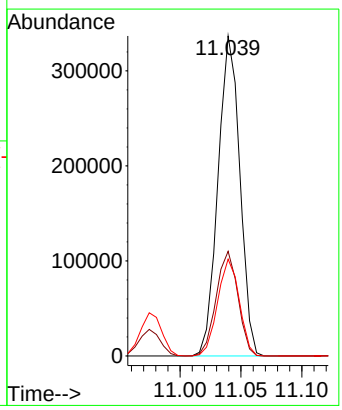


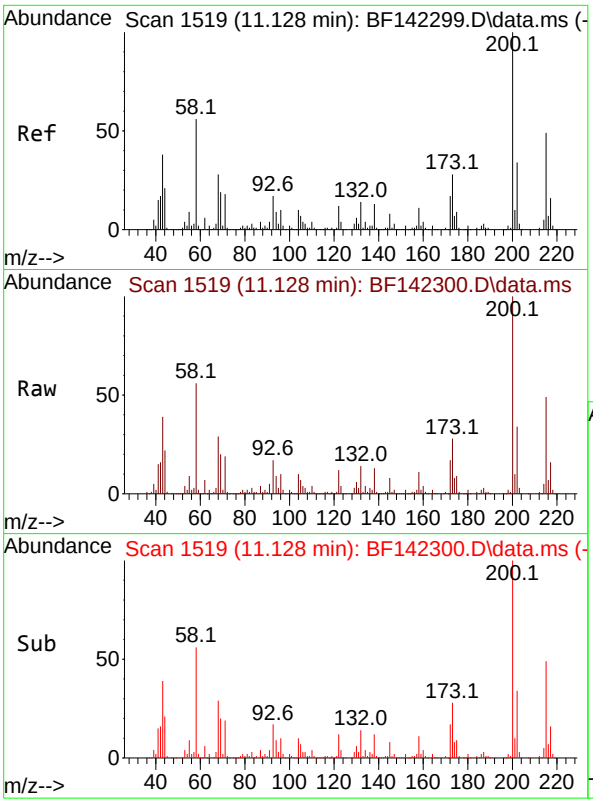


#68
Hexachlorobenzene
Concen: 51.661 ng
RT: 11.039 min Scan# 1504
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:284 Resp: 420761

Ion	Ratio	Lower	Upper
284	100		
142	32.7	26.6	39.8
249	30.2	24.1	36.1



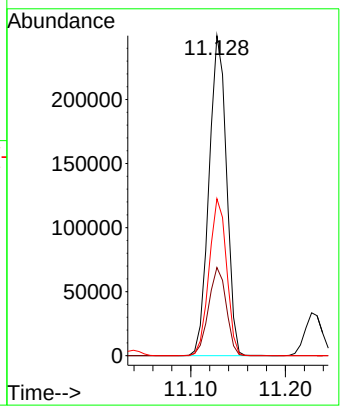


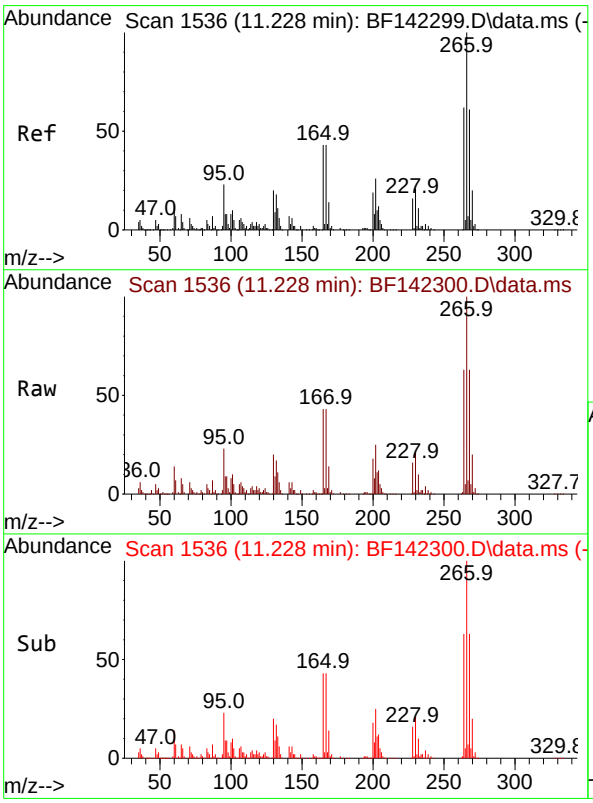
#69
Atrazine
Concen: 55.754 ng
RT: 11.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:200 Resp: 319507

Ion	Ratio	Lower	Upper
200	100		
173	27.5	8.1	48.1
215	49.0	28.8	68.8

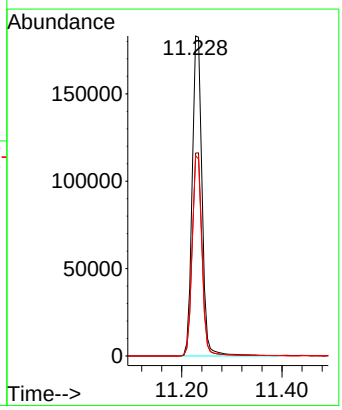


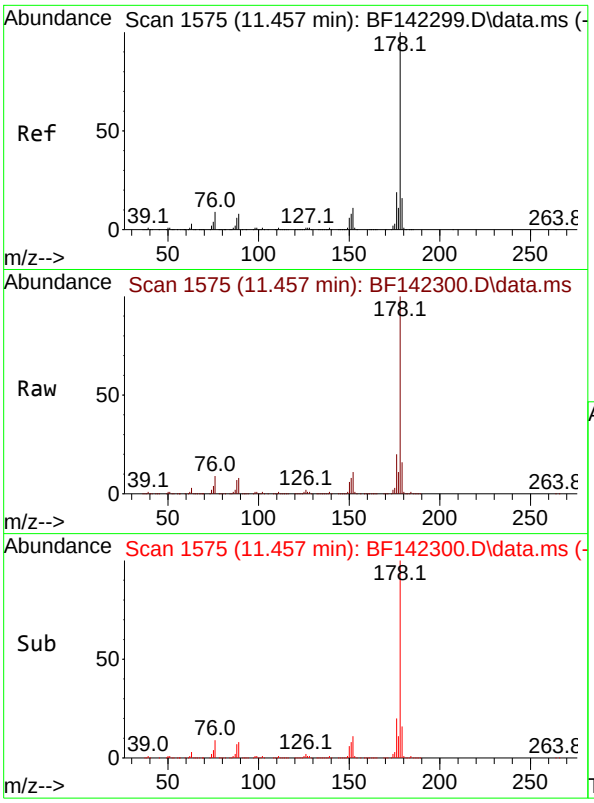


#70
Pentachlorophenol
Concen: 58.166 ng
RT: 11.228 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:266 Resp: 249218

Ion	Ratio	Lower	Upper
266	100		
268	63.4	48.7	73.1
264	62.6	49.8	74.6



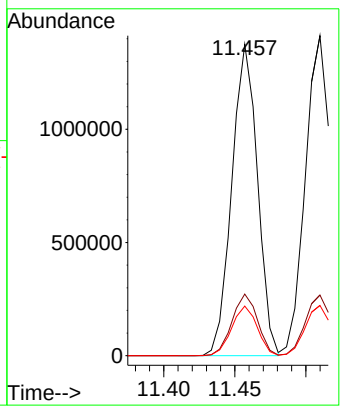


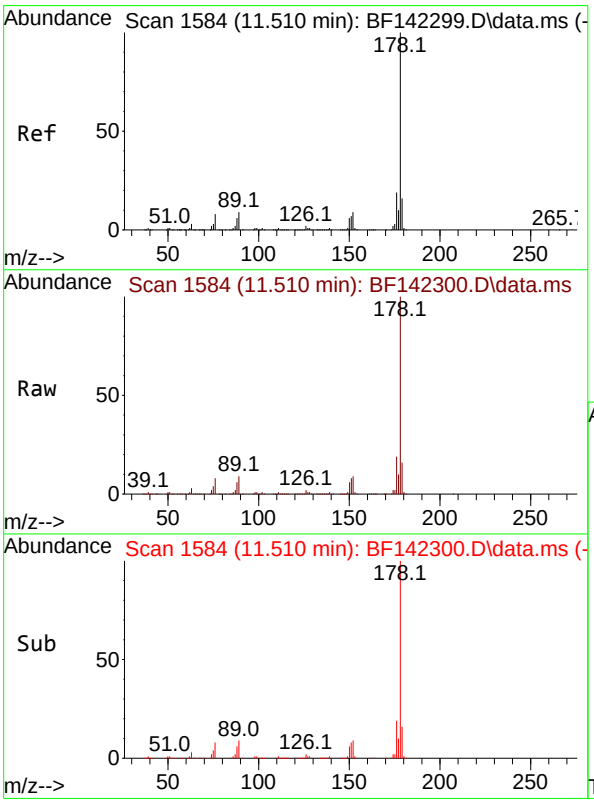
#71
Phenanthrene
Concen: 50.453 ng
RT: 11.457 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 1727795

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.5	23.3
179	15.9	12.6	18.8

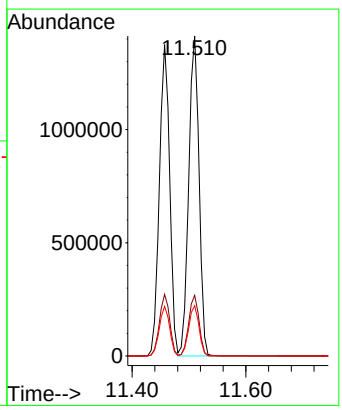


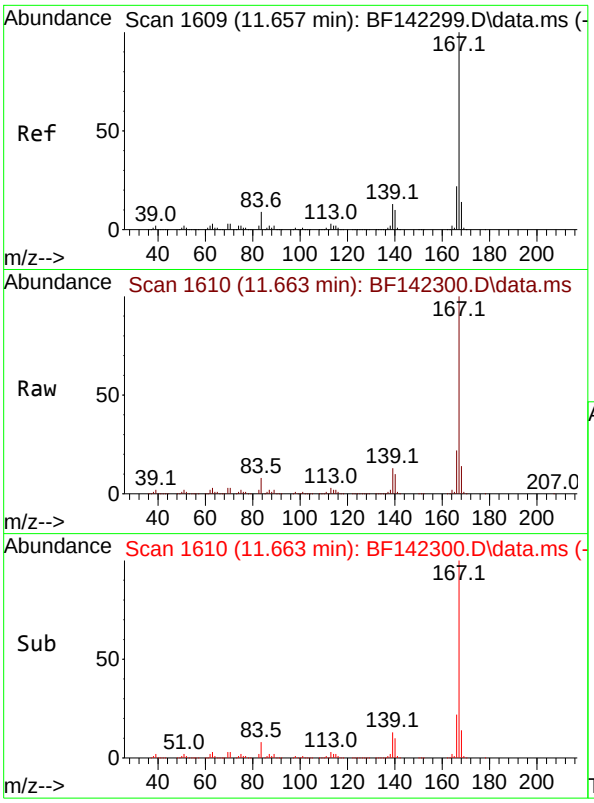


#72
Anthracene
Concen: 50.712 ng
RT: 11.510 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:178 Resp: 1784428

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	15.7	12.6	18.8



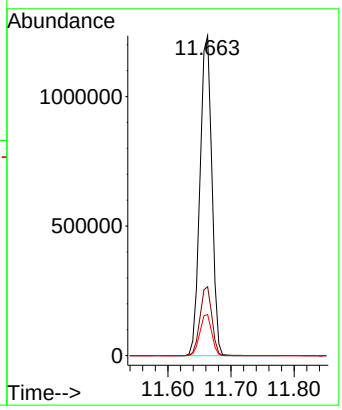


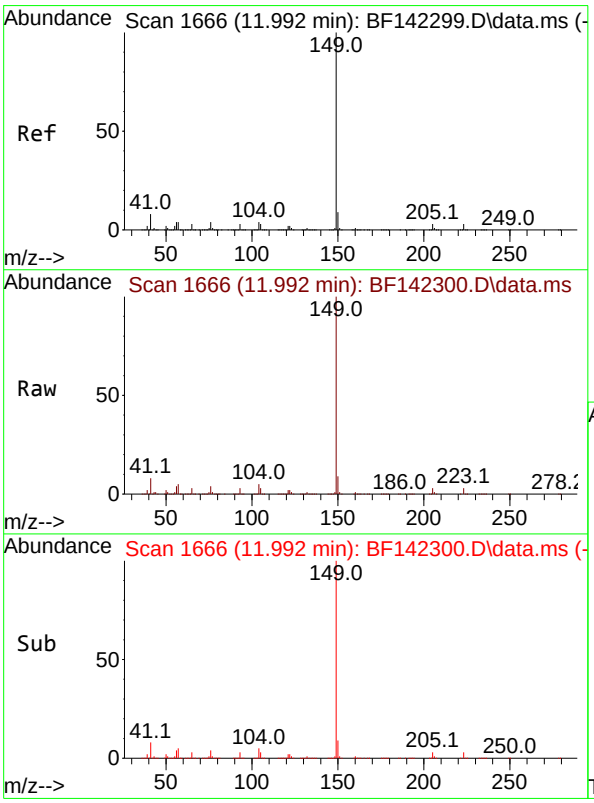
#73
Carbazole
Concen: 51.019 ng
RT: 11.663 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:167 Resp: 1610611

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.2	25.8
139	12.9	10.3	15.5

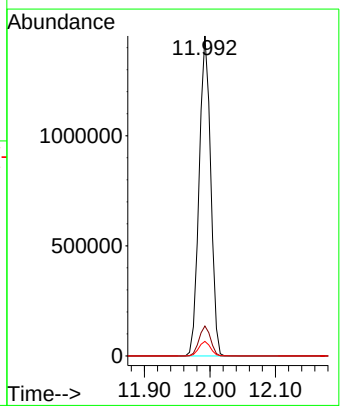


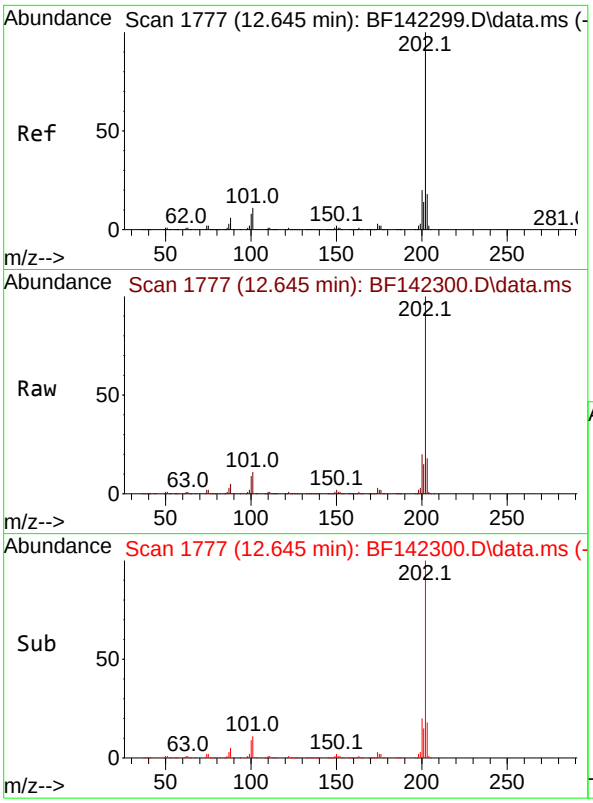


#74
Di-n-butylphthalate
Concen: 53.803 ng
RT: 11.992 min Scan# 1666
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:149 Resp: 1785998

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	4.5	3.6	5.4



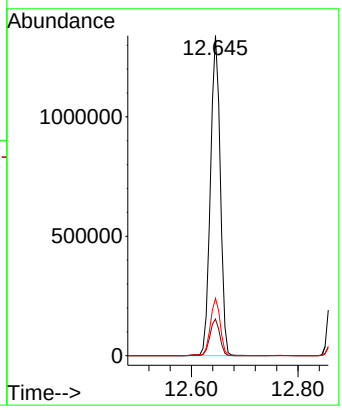


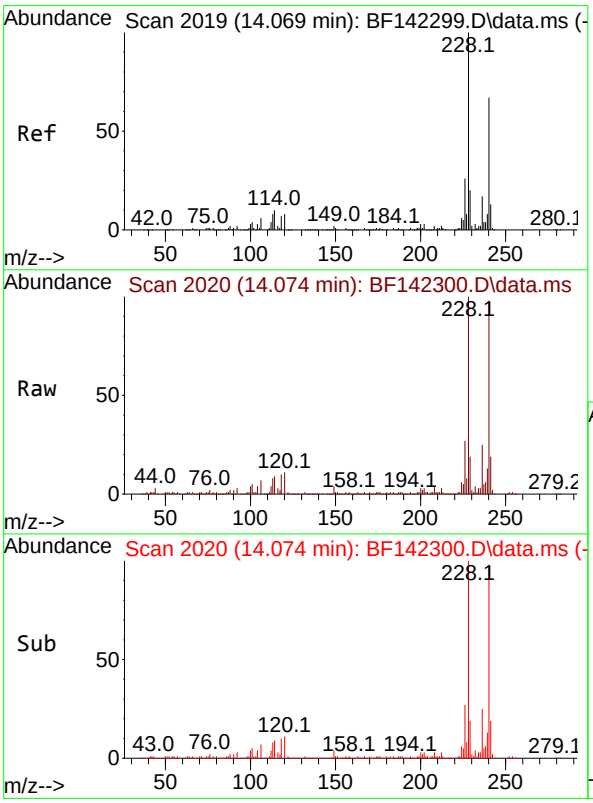
#75
Fluoranthene
Concen: 50.159 ng
RT: 12.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:202 Resp: 1717060

Ion	Ratio	Lower	Upper
202	100		
101	11.5	0.0	31.4
203	17.9	0.0	37.9

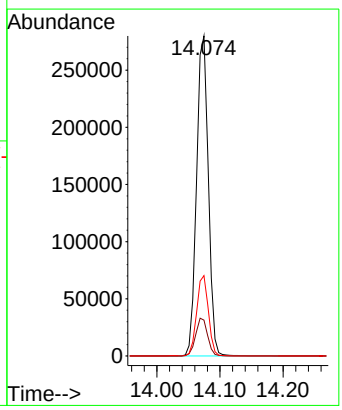


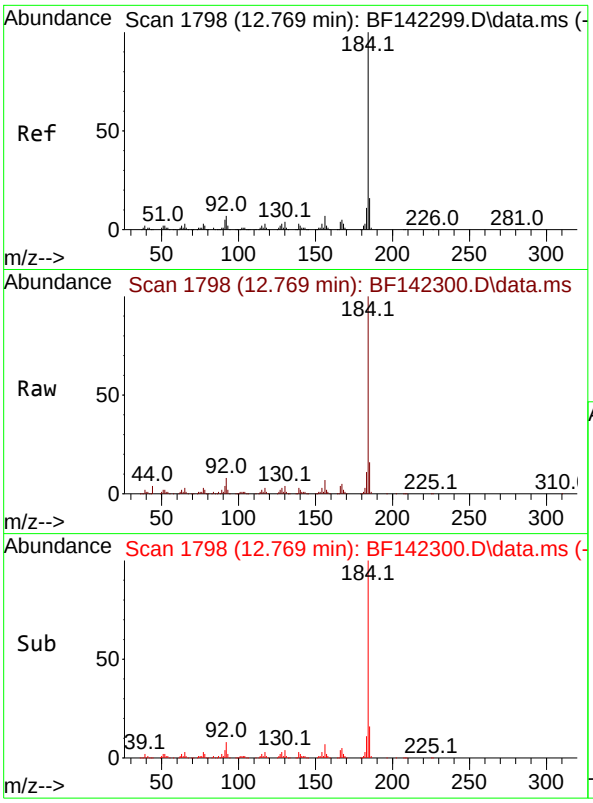


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:240 Resp: 361528

Ion	Ratio	Lower	Upper
240	100		
120	11.2	9.7	14.5
236	25.1	20.0	30.0



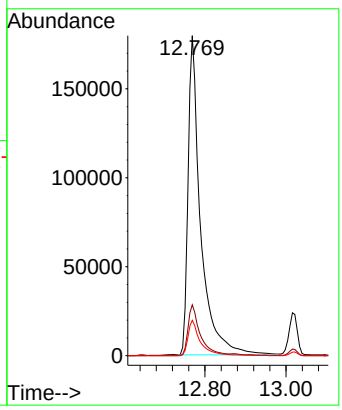


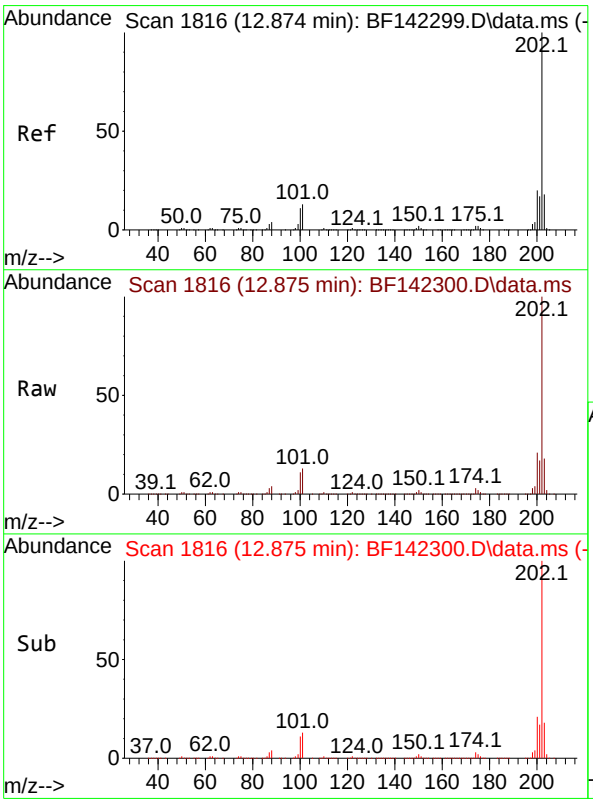
#77
Benzidine
Concen: 58.643 ng
RT: 12.769 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:184 Resp: 385286

Ion	Ratio	Lower	Upper
184	100		
185	15.9	12.6	18.8
183	11.1	8.6	12.8

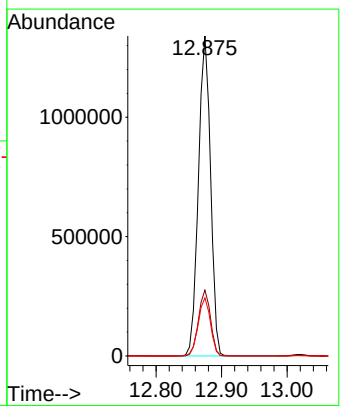


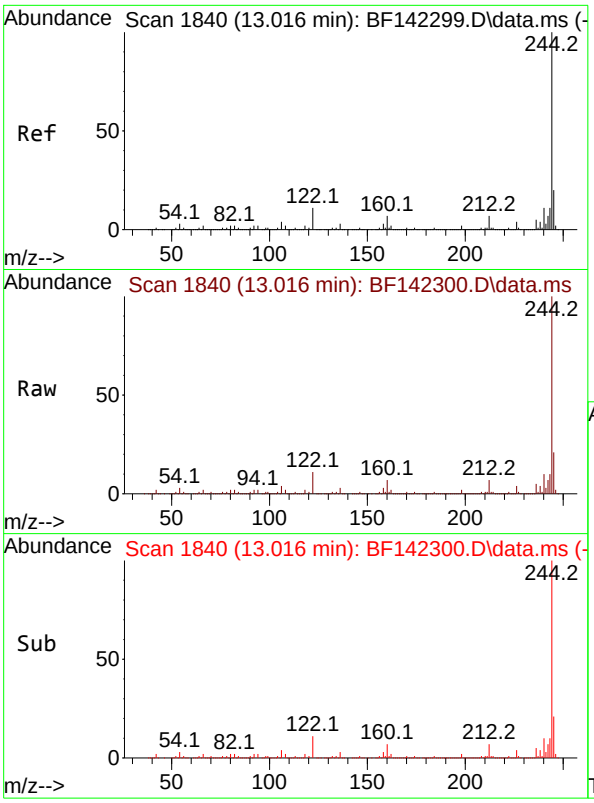


#78
Pyrene
Concen: 53.702 ng
RT: 12.875 min Scan# 1816
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:202 Resp: 1728090

Ion	Ratio	Lower	Upper
202	100		
200	20.6	16.2	24.4
203	18.1	14.3	21.5



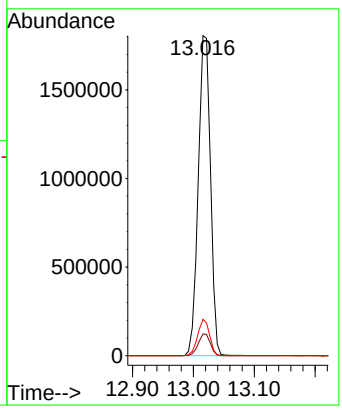


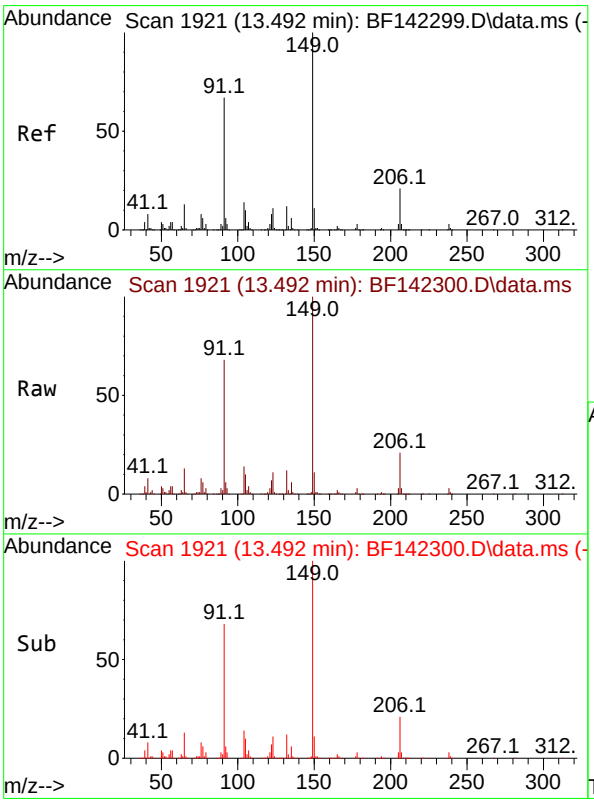
#79
Terphenyl-d14
Concen: 102.849 ng
RT: 13.016 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:244 Resp: 2512161

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.2
122	11.4	9.0	13.4

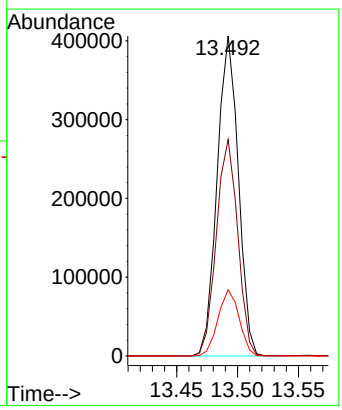


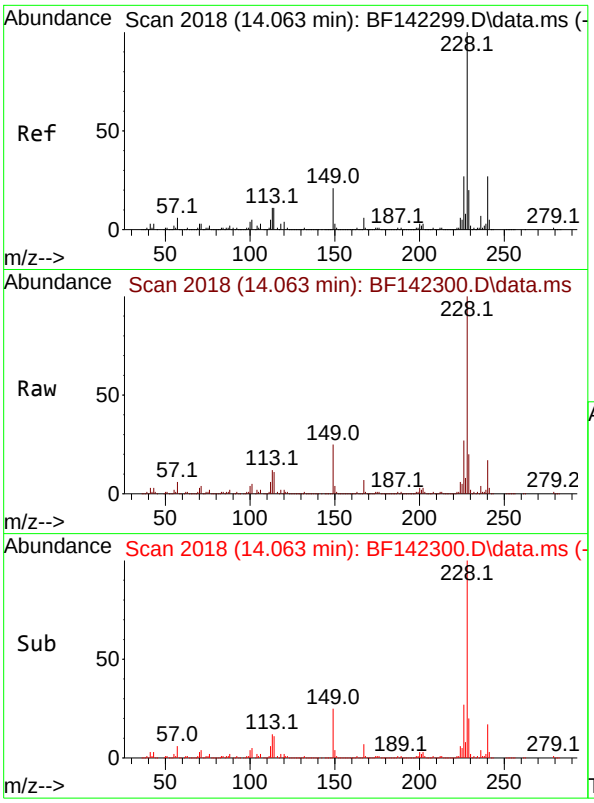


#80
Butylbenzylphthalate
Concen: 52.156 ng
RT: 13.492 min Scan# 1921
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:149 Resp: 493025

Ion	Ratio	Lower	Upper
149	100		
91	67.6	53.8	80.6
206	20.7	16.6	24.8



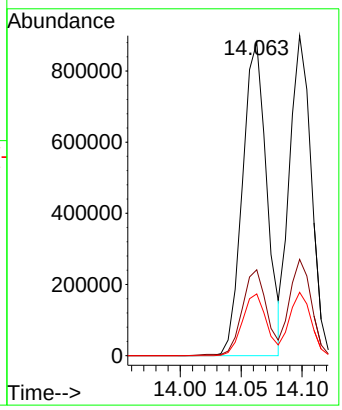


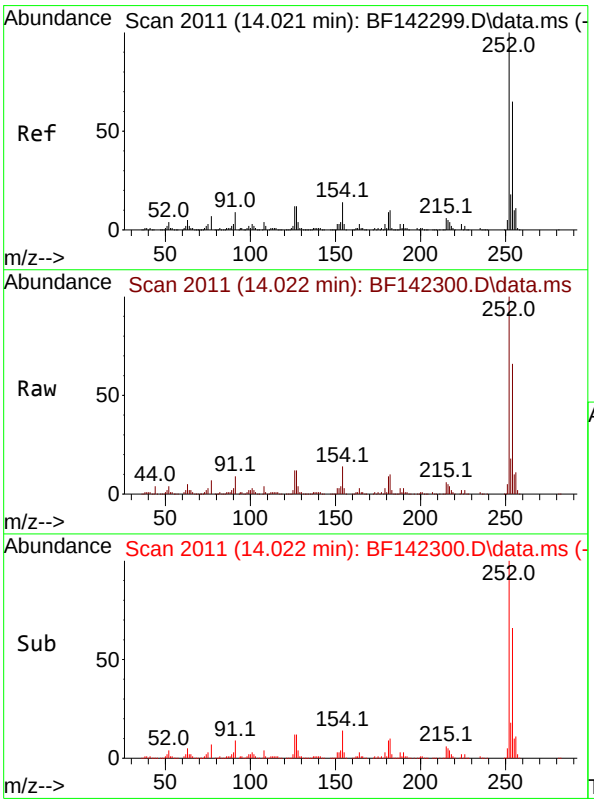
#81
Benzo(a)anthracene
Concen: 52.285 ng
RT: 14.063 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 1224138

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.5	32.3
229	19.7	15.9	23.9

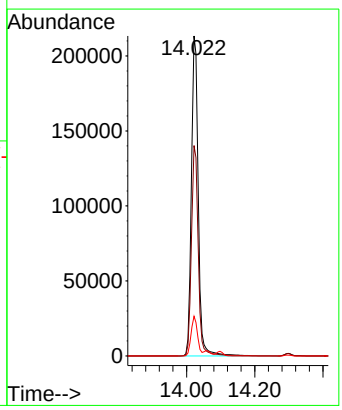


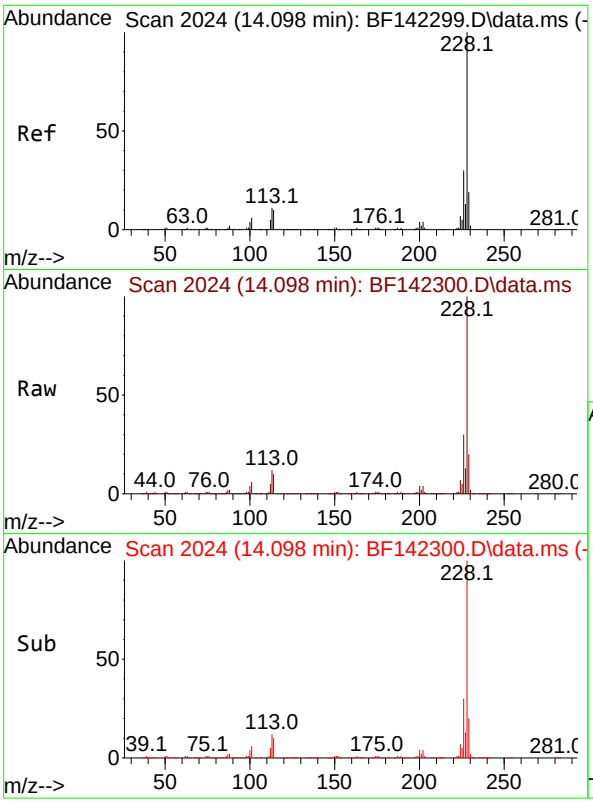


#82
3,3'-Dichlorobenzidine
Concen: 54.357 ng
RT: 14.022 min Scan# 2011
Delta R.T. 0.001 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:252 Resp: 295953

Ion	Ratio	Lower	Upper
252	100		
254	65.7	52.0	78.0
126	12.4	9.7	14.5



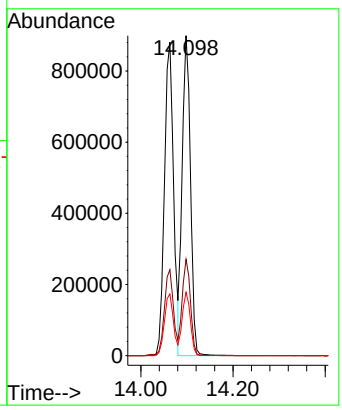


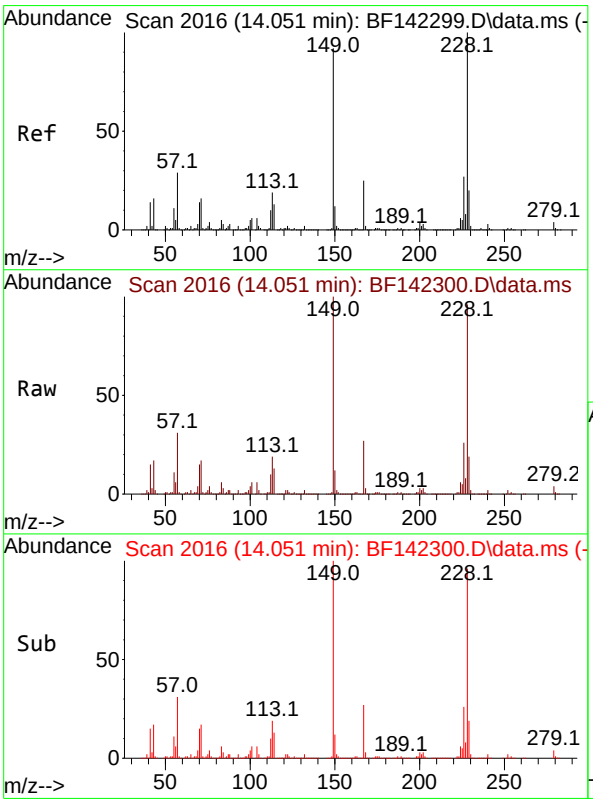
#83
Chrysene
Concen: 51.342 ng
RT: 14.098 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:228 Resp: 1119046

Ion	Ratio	Lower	Upper
228	100		
226	30.1	23.9	35.9
229	19.8	15.4	23.2

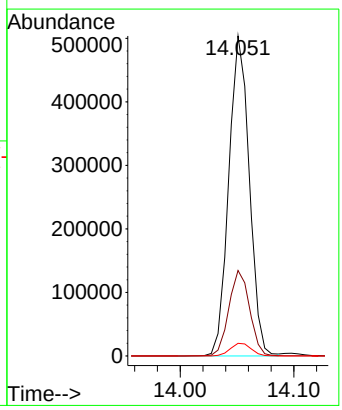


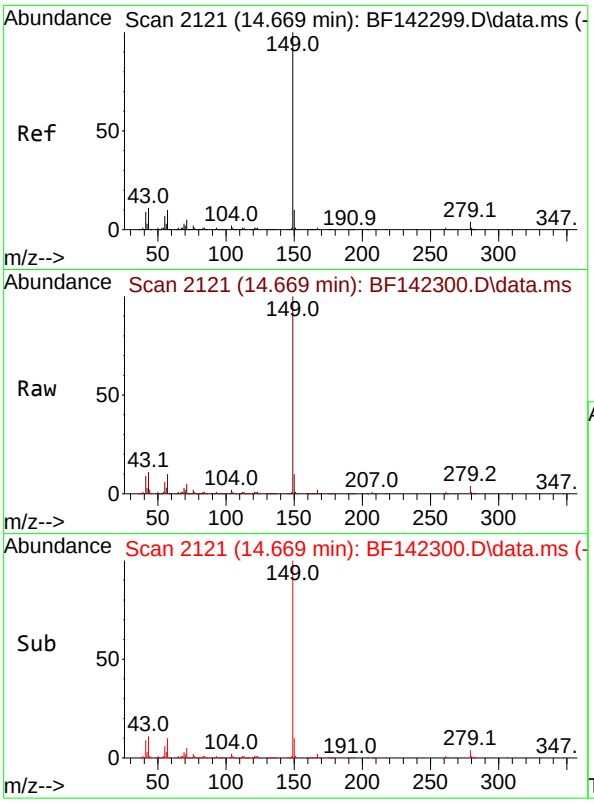


#84
Bis(2-ethylhexyl)phthalate
Concen: 51.305 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:149 Resp: 631350

Ion	Ratio	Lower	Upper
149	100		
167	26.7	22.0	33.0
279	3.9	3.0	4.6



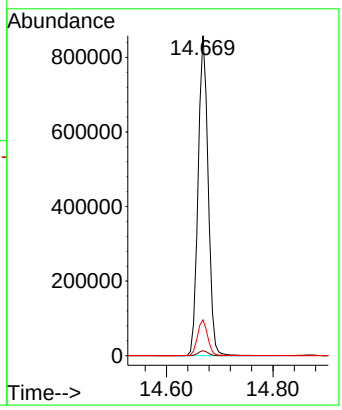


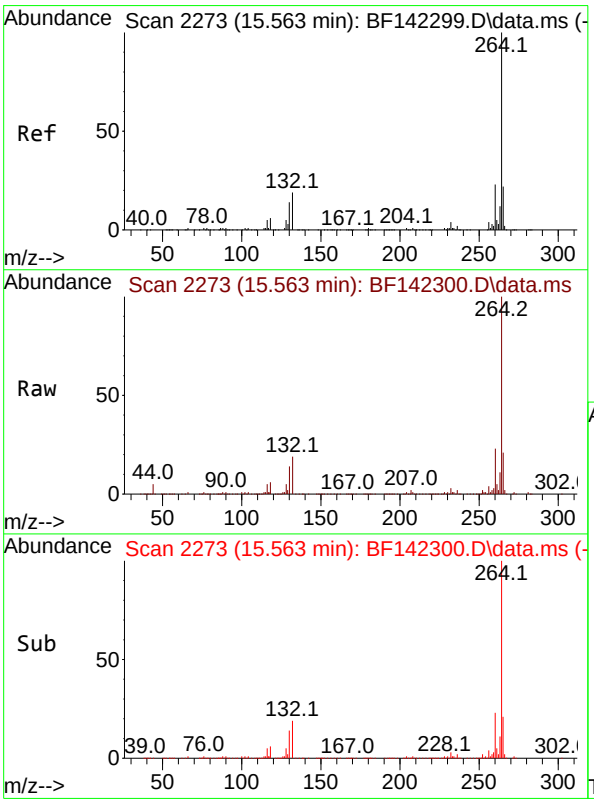
#85
Di-n-octyl phthalate
Concen: 50.417 ng
RT: 14.669 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:149 Resp: 1122100

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	11.4	9.2	13.8

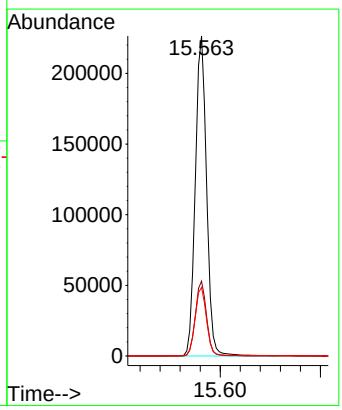


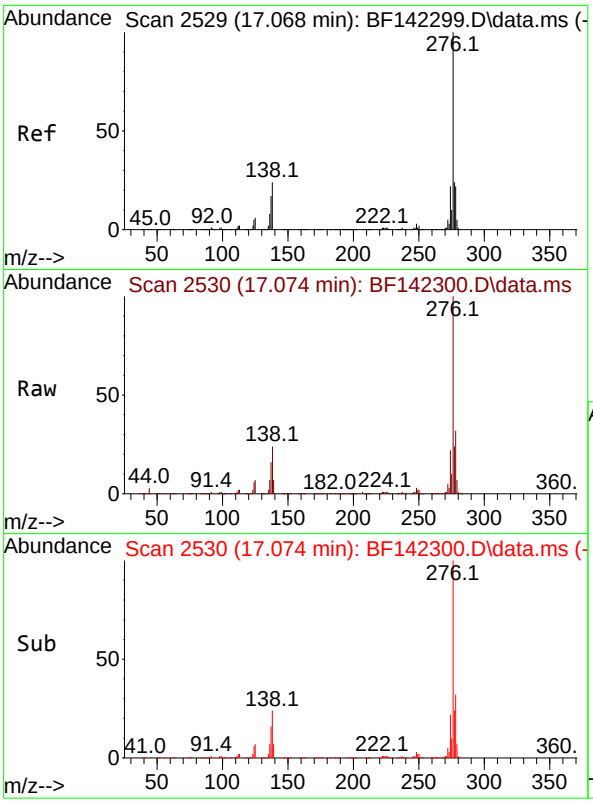


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2273
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:264 Resp: 352732

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.6	27.8
265	21.4	17.5	26.3



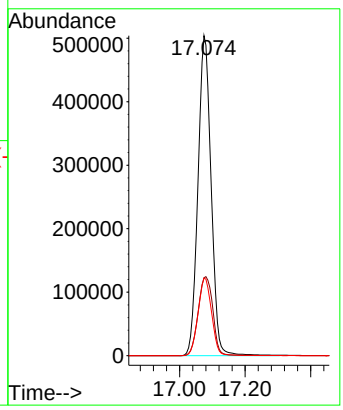


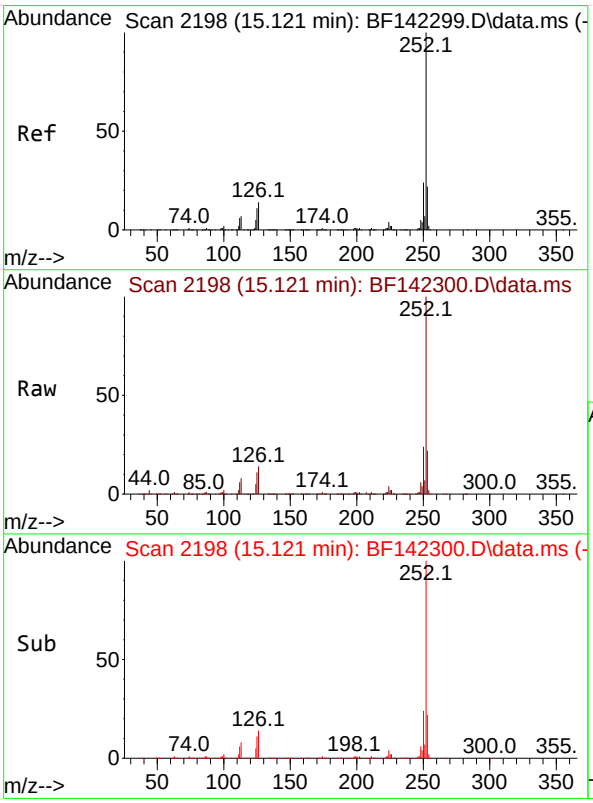
#87
Indeno(1,2,3-cd)pyrene
Concen: 57.351 ng
RT: 17.074 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:276 Resp: 1407239

Ion	Ratio	Lower	Upper
276	100		
138	27.7	22.0	33.0
277	25.0	20.1	30.1

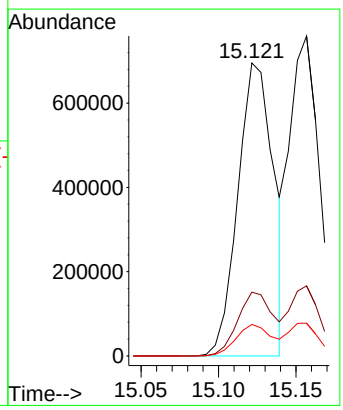


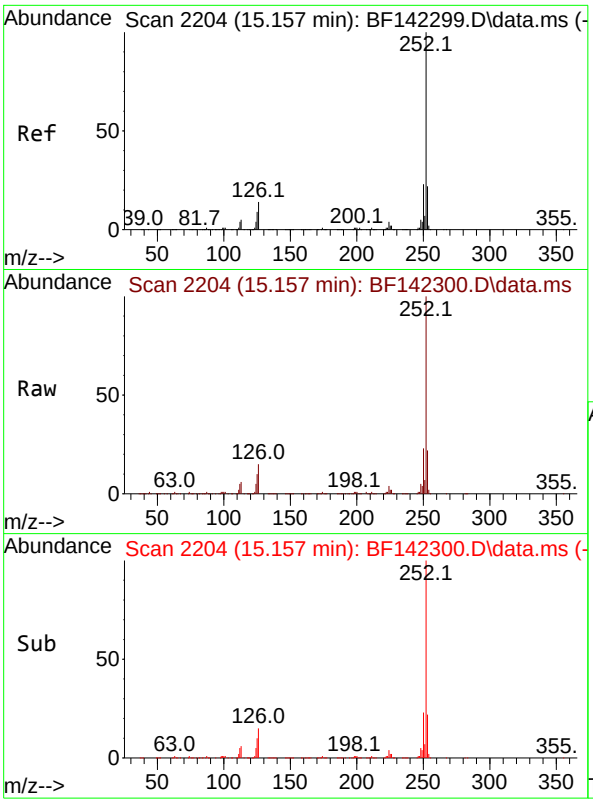


#88
Benzo(b)fluoranthene
Concen: 52.119 ng
RT: 15.121 min Scan# 2198
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:252 Resp: 1113446

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.7	26.5
125	10.8	8.7	13.1



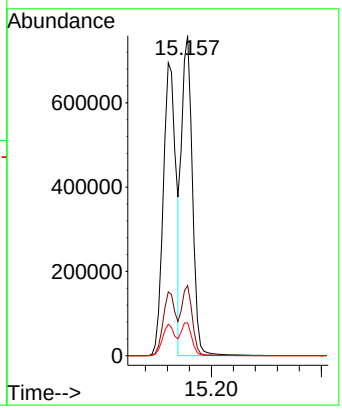


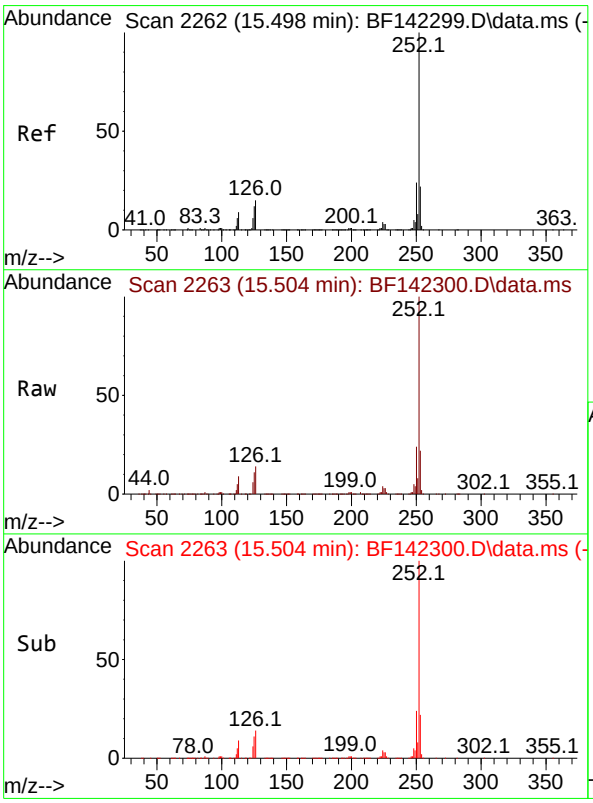
#89
Benzo(k)fluoranthene
Concen: 52.880 ng
RT: 15.157 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:252 Resp: 1033813

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.6	26.4
125	10.2	8.1	12.1

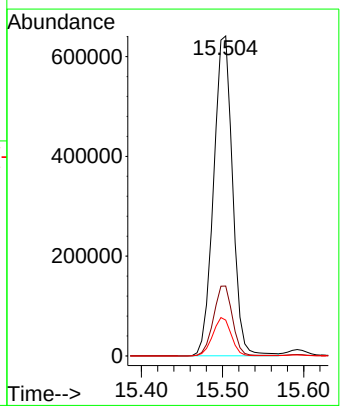


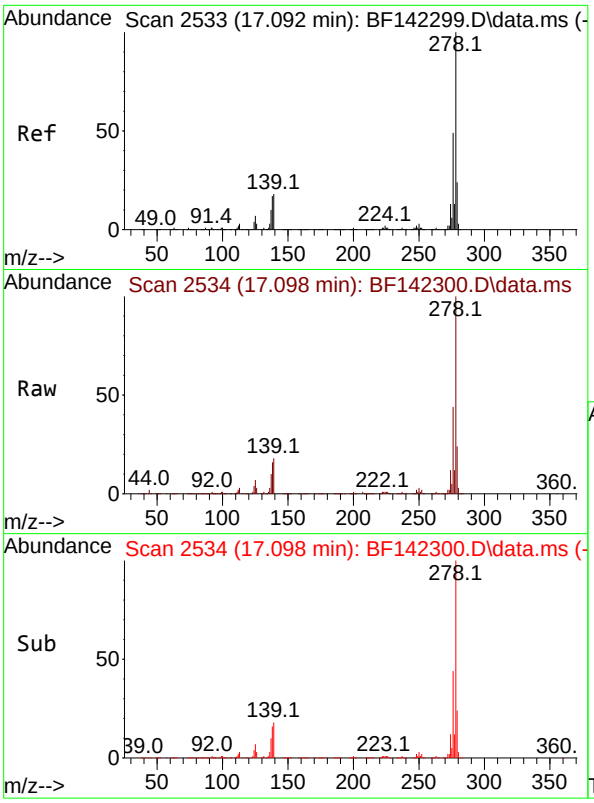


#90
Benzo(a)pyrene
Concen: 54.482 ng
RT: 15.504 min Scan# 2263
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:252 Resp: 1043008

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.8	26.6
125	11.2	9.4	14.0



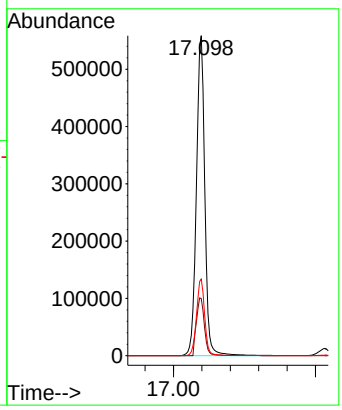


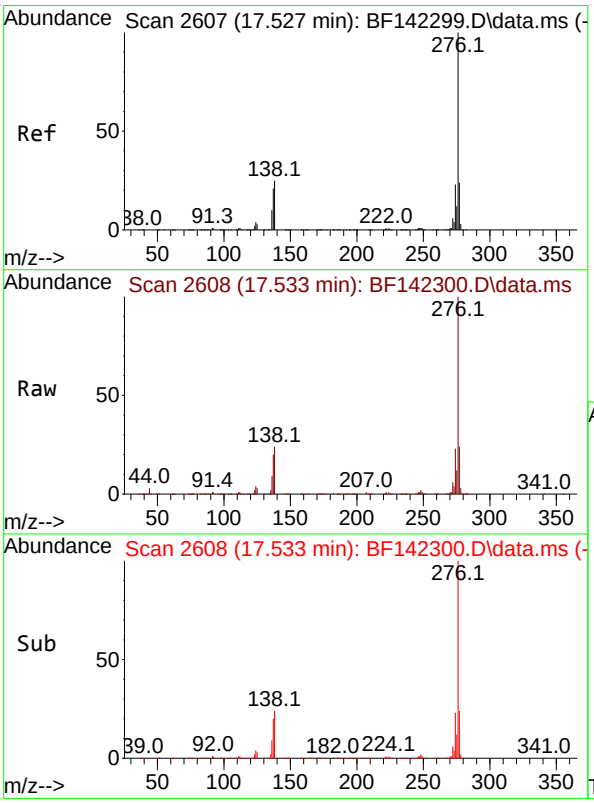
#91
Dibenzo(a,h)anthracene
Concen: 56.905 ng
RT: 17.098 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:278 Resp: 1153556

Ion	Ratio	Lower	Upper
278	100		
139	17.9	14.5	21.7
279	24.0	18.9	28.3

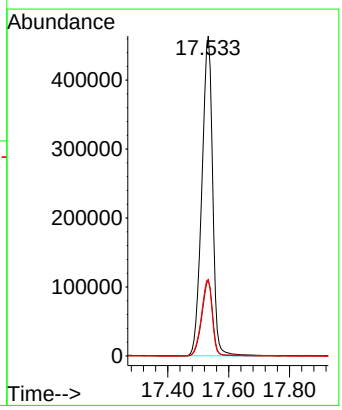




#92
Benzo(g,h,i)perylene
Concen: 56.752 ng
RT: 17.533 min Scan# 2608
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Tgt Ion:276 Resp: 1141826

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.0	28.6
138	23.9	19.8	29.6



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142301.D
Acq On : 05 May 2025 16:47
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: May 05 18:00:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 17:44:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.910	152	197459	20.000	ng		0.00
21) Naphthalene-d8	8.192	136	774183	20.000	ng		0.00
39) Acenaphthene-d10	9.945	164	403498	20.000	ng		0.00
64) Phenanthrene-d10	11.433	188	678705	20.000	ng		0.00
76) Chrysene-d12	14.074	240	358642	20.000	ng		0.00
86) Perylene-d12	15.563	264	387967	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.516	112	1380708	119.365	ng		0.00
7) Phenol-d6	6.528	99	1681641	118.204	ng		0.00
23) Nitrobenzene-d5	7.475	82	1614559	127.189	ng		0.00
42) 2,4,6-Tribromophenol	10.733	330	509292	130.732	ng		0.00
45) 2-Fluorobiphenyl	9.269	172	3015927	106.576	ng		0.00
79) Terphenyl-d14	13.022	244	2827945	116.709	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.681	88	308652	59.255	ng		100
3) Pyridine	3.446	79	777252	63.459	ng		99
4) n-Nitrosodimethylamine	3.405	42	429842	60.476	ng		99
6) Aniline	6.575	93	900100	64.503	ng		99
8) 2-Chlorophenol	6.687	128	760230	61.504	ng		99
9) Benzaldehyde	6.457	77	392710	47.164	ng		99
10) Phenol	6.545	94	946972	62.795	ng		99
11) bis(2-Chloroethyl)ether	6.645	93	780456	52.480	ng		99
12) 1,3-Dichlorobenzene	6.851	146	816681	57.752	ng		99
13) 1,4-Dichlorobenzene	6.928	146	820881	57.814	ng		99
14) 1,2-Dichlorobenzene	7.075	146	794010	58.260	ng		99
15) Benzyl Alcohol	7.045	79	597038	64.809	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.181	45	1310008	58.989	ng		100
17) 2-Methylphenol	7.151	107	599927	59.949	ng		99
18) Hexachloroethane	7.422	117	288326	61.032	ng		99
19) n-Nitroso-di-n-propyla...	7.328	70	523983	59.543	ng		98
20) 3+4-Methylphenols	7.310	107	726451	58.165	ng		94
22) Acetophenone	7.316	105	972165	56.476	ng	#	93
24) Nitrobenzene	7.492	77	753847	62.999	ng		97
25) Isophorone	7.734	82	1444396	60.087	ng		100
26) 2-Nitrophenol	7.804	139	359513	61.112	ng		98
27) 2,4-Dimethylphenol	7.840	122	729069	60.325	ng		99
28) bis(2-Chloroethoxy)met...	7.939	93	896741	58.015	ng		100
29) 2,4-Dichlorophenol	8.045	162	636712	61.967	ng		99
30) 1,2,4-Trichlorobenzene	8.128	180	670104	57.949	ng		99
31) Naphthalene	8.216	128	2103149	56.052	ng		99
32) Benzoic acid	7.957	122	389833	57.117	ng		99
33) 4-Chloroaniline	8.257	127	452739	29.624	ng		99
34) Hexachlorobutadiene	8.328	225	401644	58.657	ng		100
35) Caprolactam	8.634	113	193098	64.619	ng		97
36) 4-Chloro-3-methylphenol	8.734	107	648747	60.738	ng		99
37) 2-Methylnaphthalene	8.904	142	1319794	56.607	ng		99
38) 1-Methylnaphthalene	9.004	142	1363474	56.109	ng		99
40) 1,2,4,5-Tetrachloroben...	9.069	216	650696	57.740	ng		99
41) Hexachlorocyclopentadiene	9.057	237	459147	65.925	ng		100
43) 2,4,6-Trichlorophenol	9.175	196	448837	63.143	ng		98

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142301.D
Acq On : 05 May 2025 16:47
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: May 05 18:00:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 17:44:56 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.216	196	480305	63.505	ng		99
46) 1,1'-Biphenyl	9.369	154	1745424	56.417	ng		99
47) 2-Chloronaphthalene	9.392	162	1338338	58.169	ng		99
48) 2-Nitroaniline	9.486	65	407862	69.160	ng		95
49) Acenaphthylene	9.810	152	2215774	57.569	ng		99
50) Dimethylphthalate	9.669	163	1543896	59.587	ng		100
51) 2,6-Dinitrotoluene	9.728	165	330939	68.237	ng		96
52) Acenaphthene	9.981	154	1345347	58.133	ng		100
53) 3-Nitroaniline	9.898	138	385568	67.787	ng		98
54) 2,4-Dinitrophenol	9.998	184	149707	61.014	ng	#	25
55) Dibenzofuran	10.151	168	1947247	57.013	ng		98
56) 4-Nitrophenol	10.045	139	290245	67.801	ng		99
57) 2,4-Dinitrotoluene	10.128	165	430311	69.171	ng		98
58) Fluorene	10.498	166	1432119	54.944	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	398607	63.842	ng		98
60) Diethylphthalate	10.369	149	1515452	58.568	ng		99
61) 4-Chlorophenyl-phenyle...	10.486	204	714047	56.782	ng		99
62) 4-Nitroaniline	10.510	138	265178	58.823	ng		100
63) Azobenzene	10.645	77	1434293	58.009	ng		100
65) 4,6-Dinitro-2-methylph...	10.533	198	199546	60.816	ng		96
66) n-Nitrosodiphenylamine	10.604	169	1330840	58.927	ng		100
67) 4-Bromophenyl-phenylether	10.975	248	461892	60.048	ng		99
68) Hexachlorobenzene	11.039	284	504486	59.625	ng		100
69) Atrazine	11.128	200	376071	63.169	ng		100
70) Pentachlorophenol	11.233	266	304541	68.419	ng		98
71) Phenanthrene	11.457	178	2009150	56.475	ng		99
72) Anthracene	11.510	178	2082880	56.980	ng		100
73) Carbazole	11.663	167	1854181	56.538	ng		100
74) Di-n-butylphthalate	11.992	149	2073826	60.137	ng		100
75) Fluoranthene	12.645	202	1946773	54.742	ng		100
77) Benzidine	12.769	184	434063	66.599	ng		100
78) Pyrene	12.874	202	1954922	61.239	ng		100
80) Butylbenzylphthalate	13.492	149	591132	62.274	ng		99
81) Benzo(a)anthracene	14.063	228	1394561	60.043	ng		99
82) 3,3'-Dichlorobenzidine	14.027	252	347469	64.332	ng		99
83) Chrysene	14.098	228	1293807	59.838	ng		99
84) Bis(2-ethylhexyl)phtha...	14.051	149	769940	62.098	ng		99
85) Di-n-octyl phthalate	14.668	149	1414997	61.963	ng		99
87) Indeno(1,2,3-cd)pyrene	17.080	276	1749961	64.842	ng		100
88) Benzo(b)fluoranthene	15.127	252	1328806	56.551	ng		99
89) Benzo(k)fluoranthene	15.157	252	1296375	60.288	ng		99
90) Benzo(a)pyrene	15.504	252	1302088	61.838	ng		99
91) Dibenzo(a,h)anthracene	17.098	278	1424781	63.902	ng		99
92) Benzo(g,h,i)perylene	17.539	276	1426095	64.444	ng		99

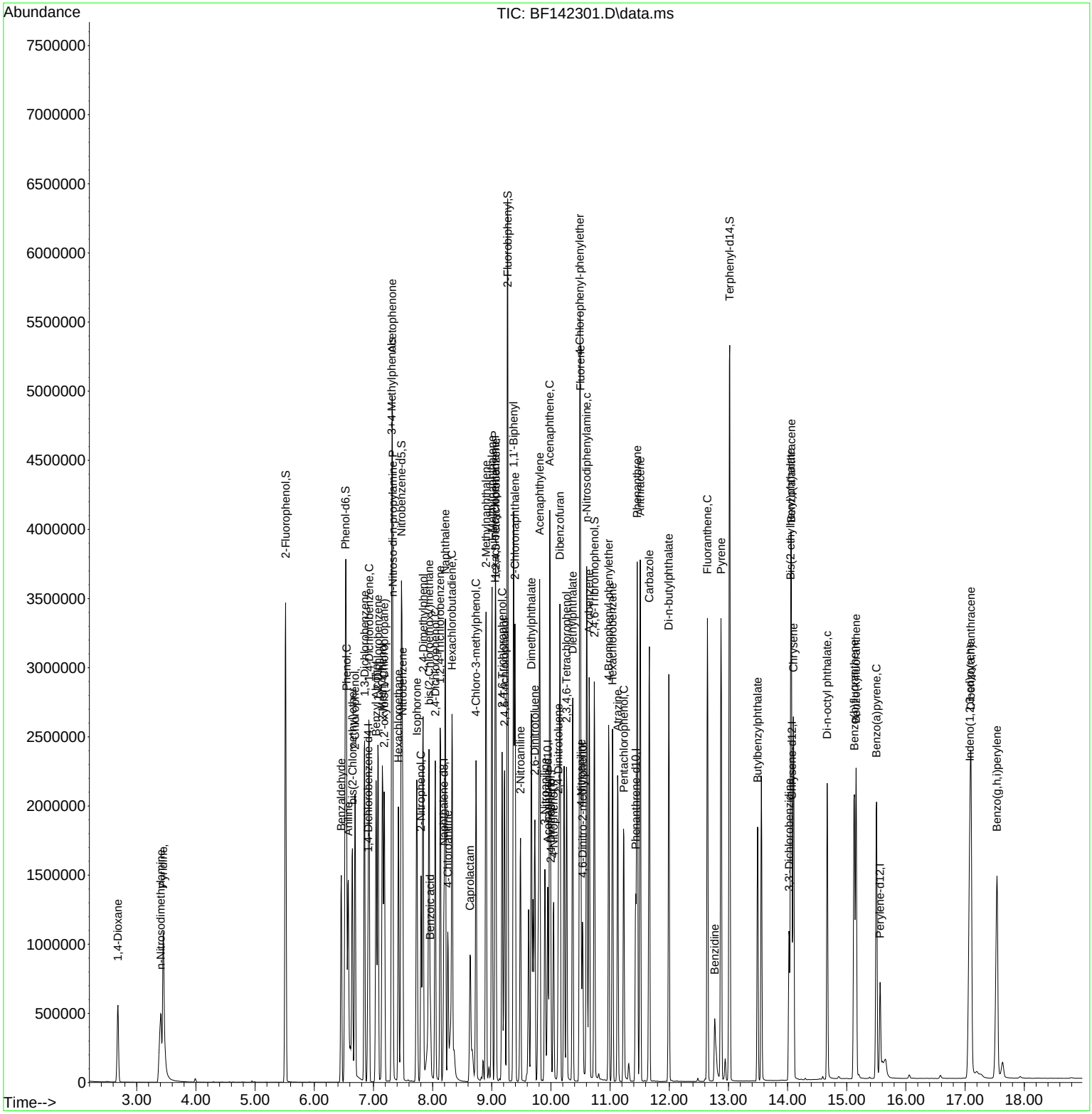
(#) = qualifier out of range (m) = manual integration (+) = signals summed

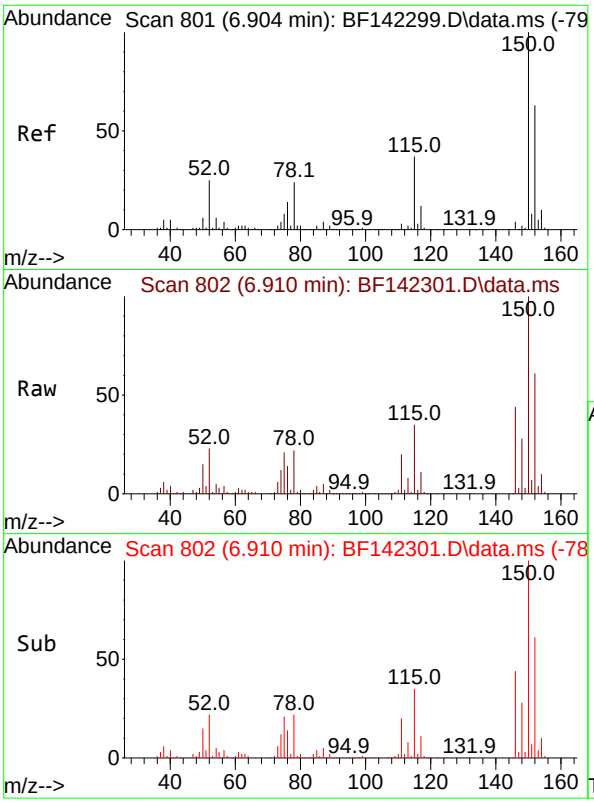
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142301.D
Acq On : 05 May 2025 16:47
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Quant Time: May 05 18:00:55 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 17:44:56 2025
Response via : Initial Calibration



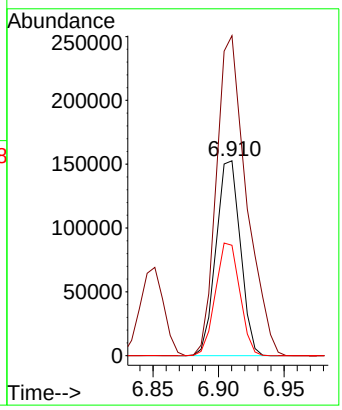


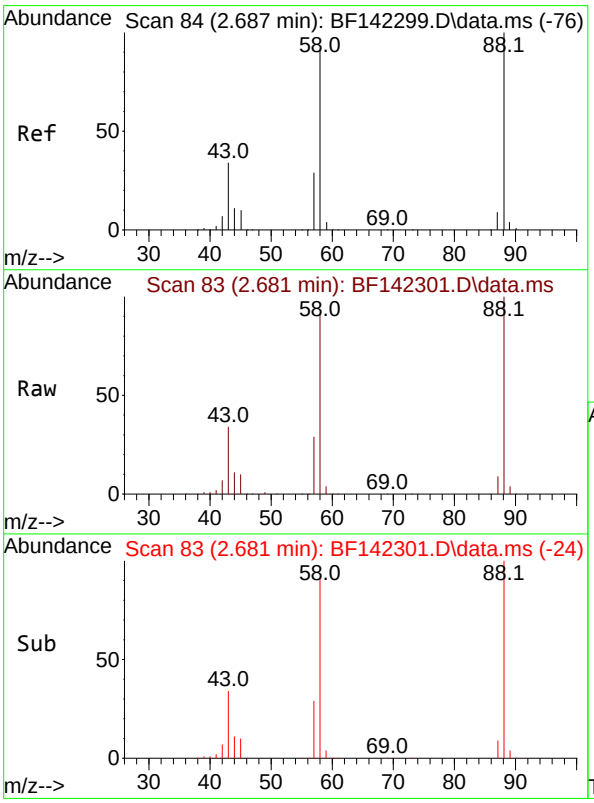
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.910 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 197459

Ion	Ratio	Lower	Upper
152	100		
150	164.2	126.6	190.0
115	56.7	47.3	70.9

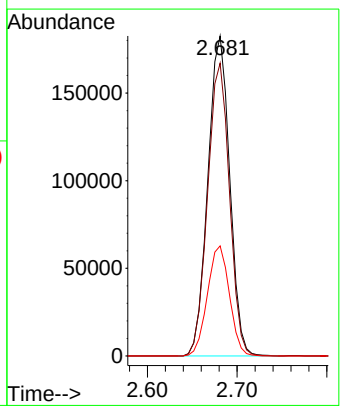


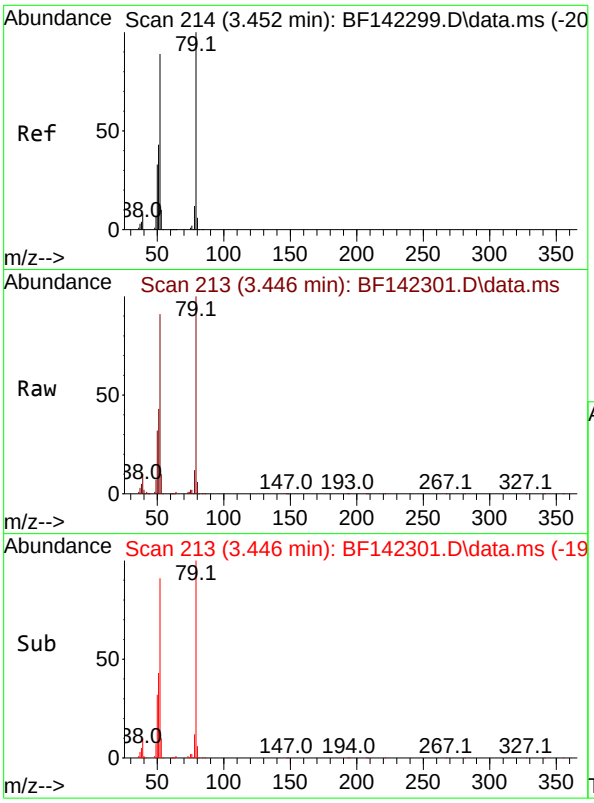


#2
1,4-Dioxane
Concen: 59.255 ng
RT: 2.681 min Scan# 83
Delta R.T. -0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion: 88 Resp: 308652

Ion	Ratio	Lower	Upper
88	100		
58	91.5	73.0	109.4
43	34.7	27.8	41.6



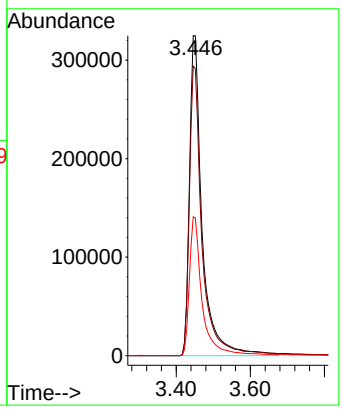


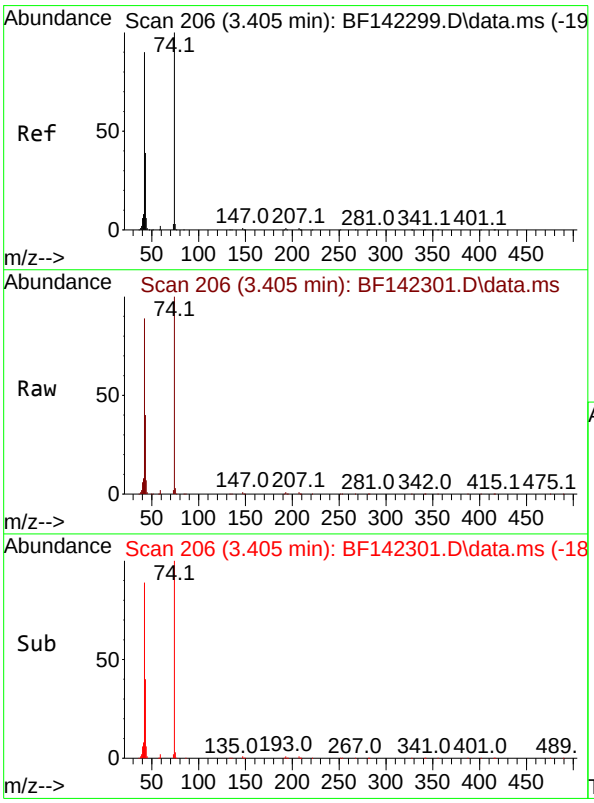
#3
Pyridine
Concen: 63.459 ng
RT: 3.446 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 777252

Ion	Ratio	Lower	Upper
79	100		
52	90.5	71.0	106.4
51	43.4	34.9	52.3

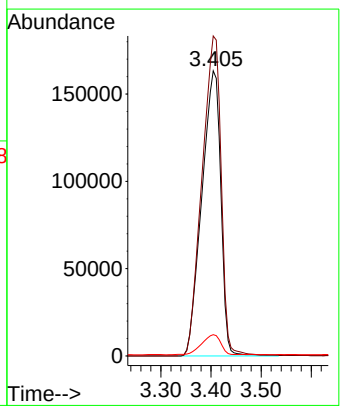


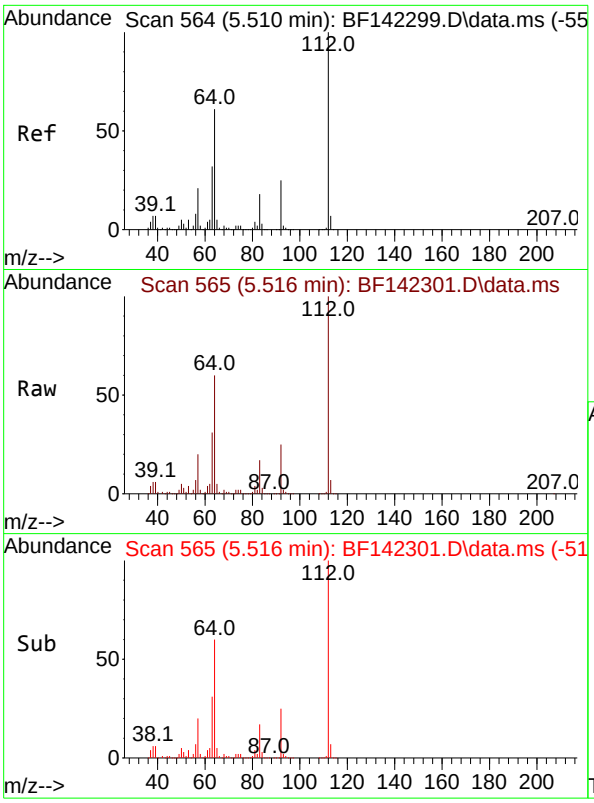


#4
n-Nitrosodimethylamine
Concen: 60.476 ng
RT: 3.405 min Scan# 206
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion: 42 Resp: 429842

Ion	Ratio	Lower	Upper
42	100		
74	112.2	88.5	132.7
44	7.4	5.8	8.8



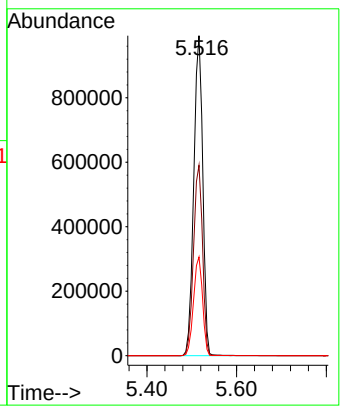


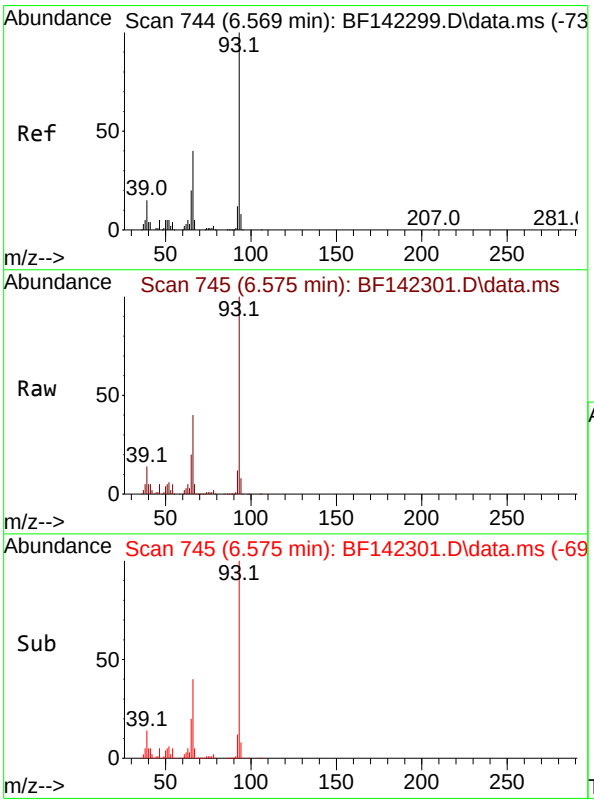
#5
2-Fluorophenol
Concen: 119.365 ng
RT: 5.516 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:112 Resp: 1380708

Ion	Ratio	Lower	Upper
112	100		
64	59.5	48.9	73.3
63	30.8	25.6	38.4

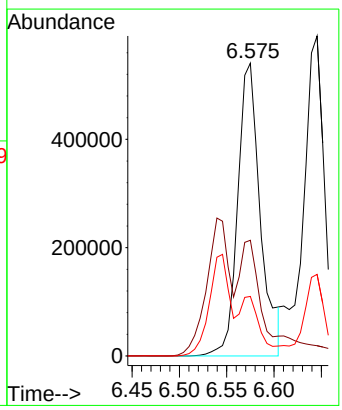


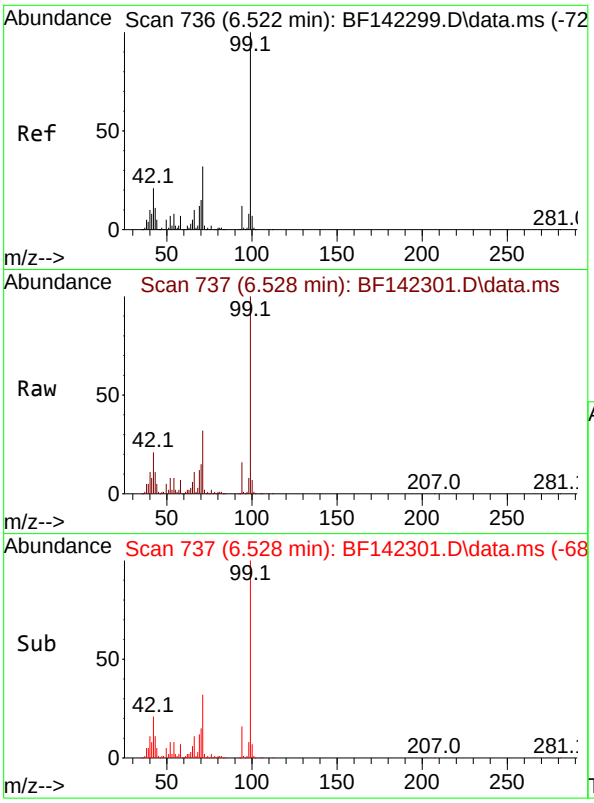


#6
Aniline
Concen: 64.503 ng
RT: 6.575 min Scan# 745
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion: 93 Resp: 900100

Ion	Ratio	Lower	Upper
93	100		
66	39.5	32.2	48.4
65	20.3	16.3	24.5



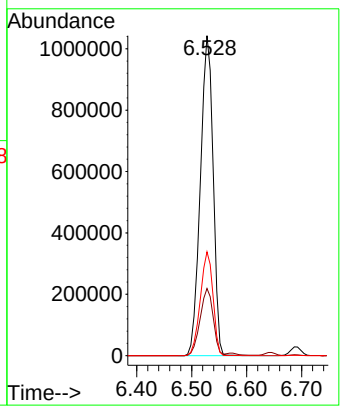


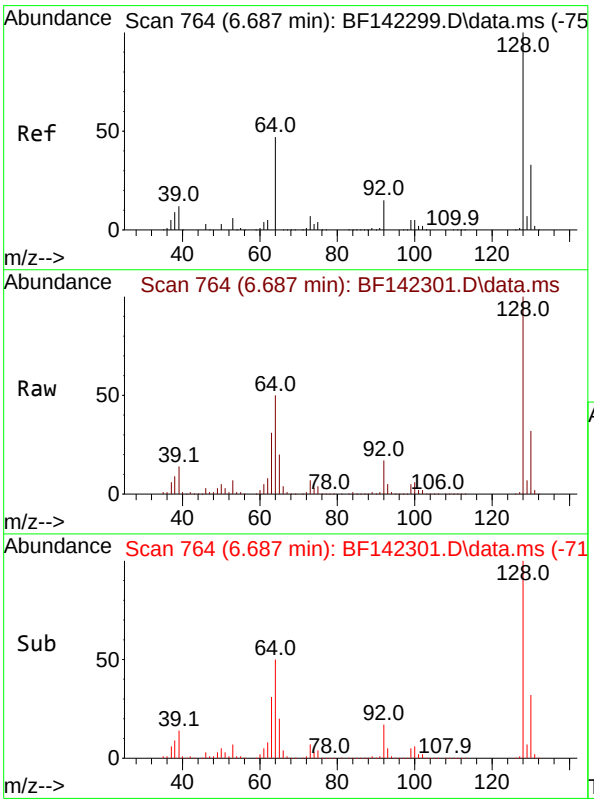
#7
Phenol-d6
Concen: 118.204 ng
RT: 6.528 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 99 Resp: 1681641

Ion	Ratio	Lower	Upper
99	100		
42	21.0	17.0	25.4
71	32.5	25.8	38.8

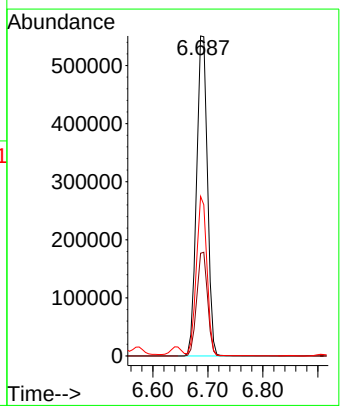


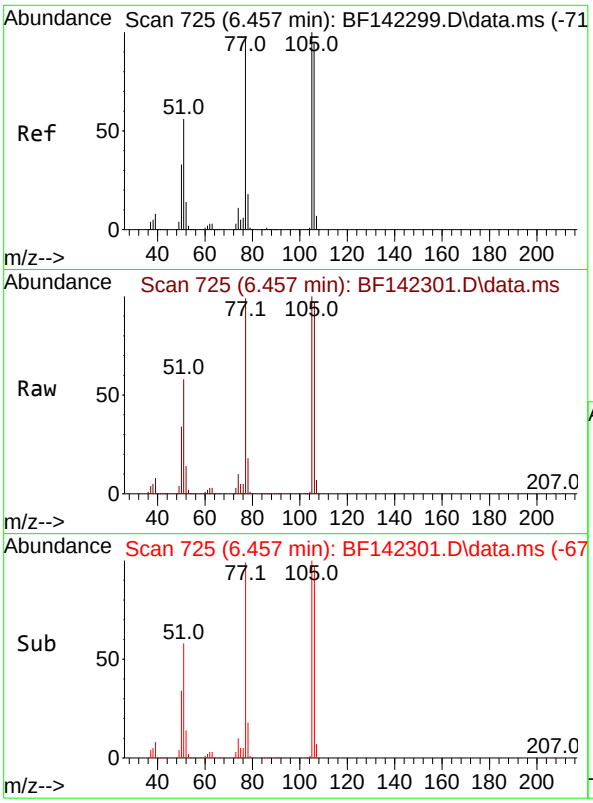


#8
2-Chlorophenol
Concen: 61.504 ng
RT: 6.687 min Scan# 764
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:128 Resp: 760230

Ion	Ratio	Lower	Upper
128	100		
130	32.1	12.7	52.7
64	49.8	29.2	69.2



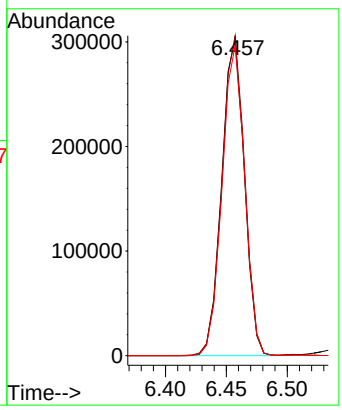


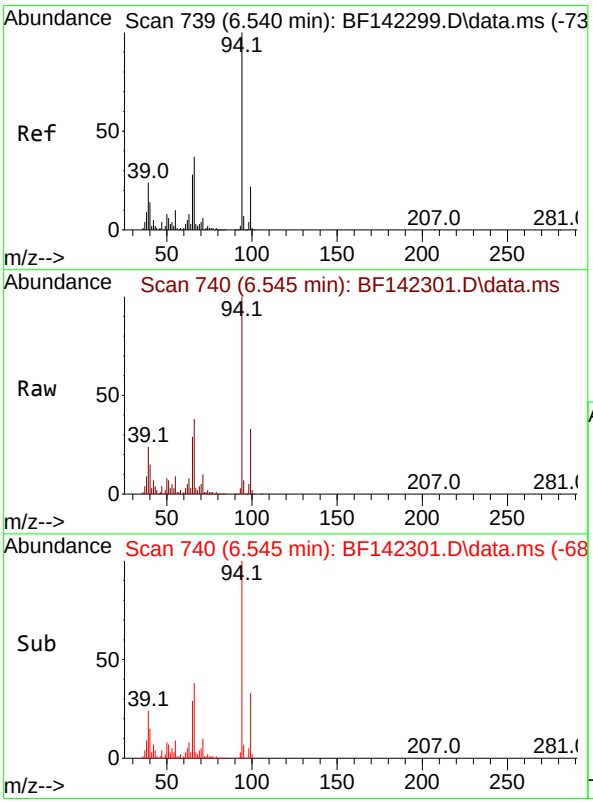
#9
Benzaldehyde
Concen: 47.164 ng
RT: 6.457 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 392710

Ion	Ratio	Lower	Upper
77	100		
105	101.2	82.0	122.0
106	98.0	77.2	117.2

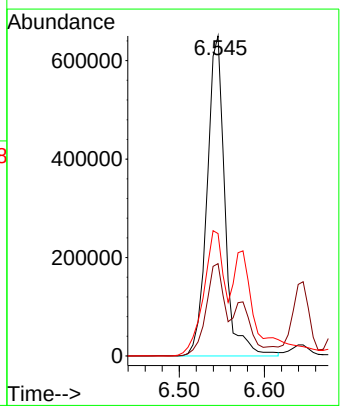


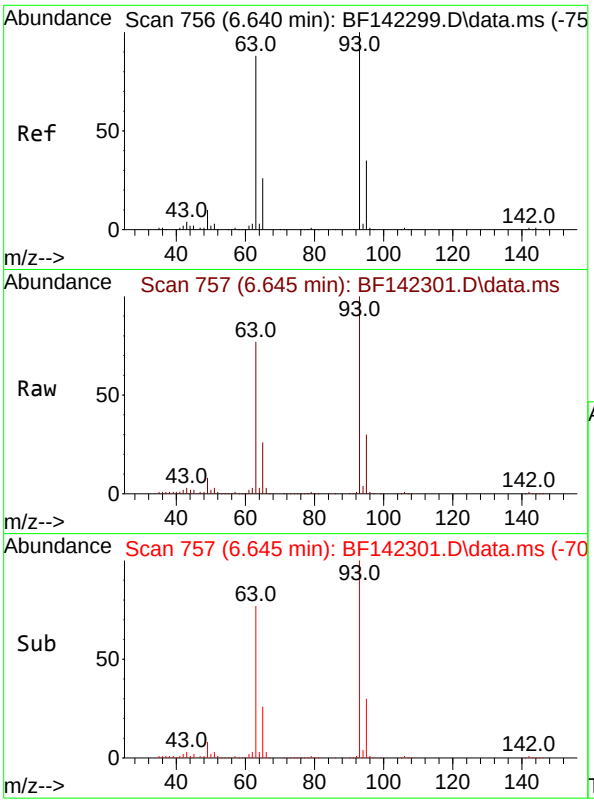


#10
Phenol
Concen: 62.795 ng
RT: 6.545 min Scan# 740
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion: 94 Resp: 946972

Ion	Ratio	Lower	Upper
94	100		
65	28.9	8.5	48.5
66	38.3	17.3	57.3



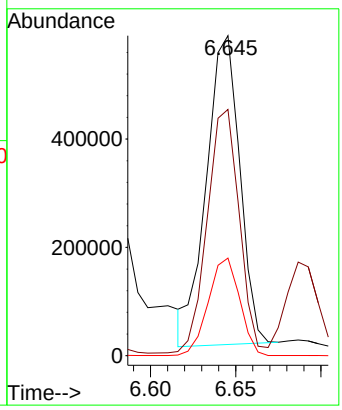


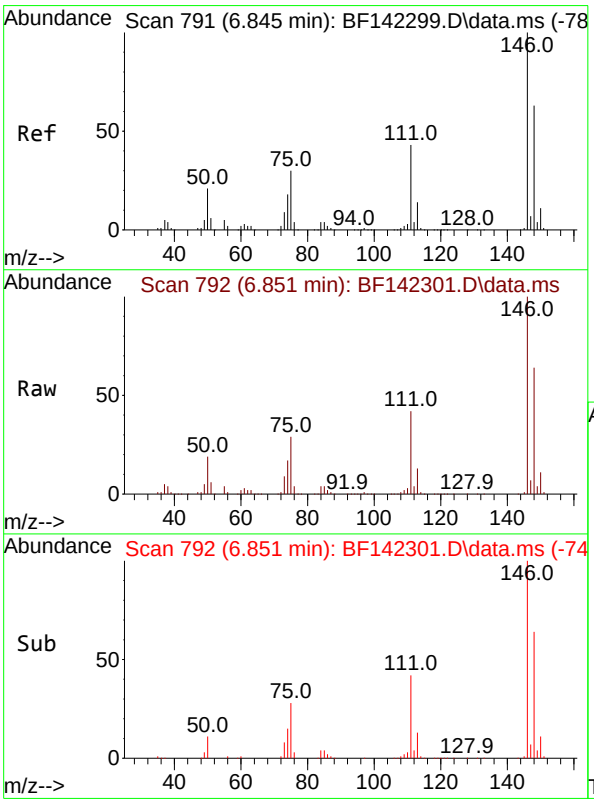
#11
bis(2-Chloroethyl)ether
Concen: 52.480 ng
RT: 6.645 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 780456

Ion	Ratio	Lower	Upper
93	100		
63	77.0	58.4	98.4
95	30.5	10.6	50.6

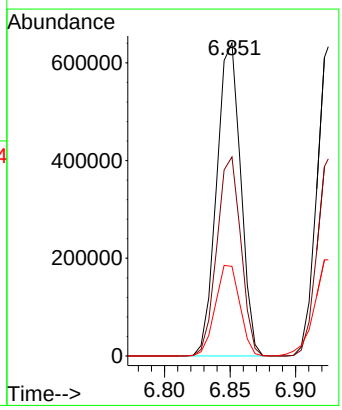


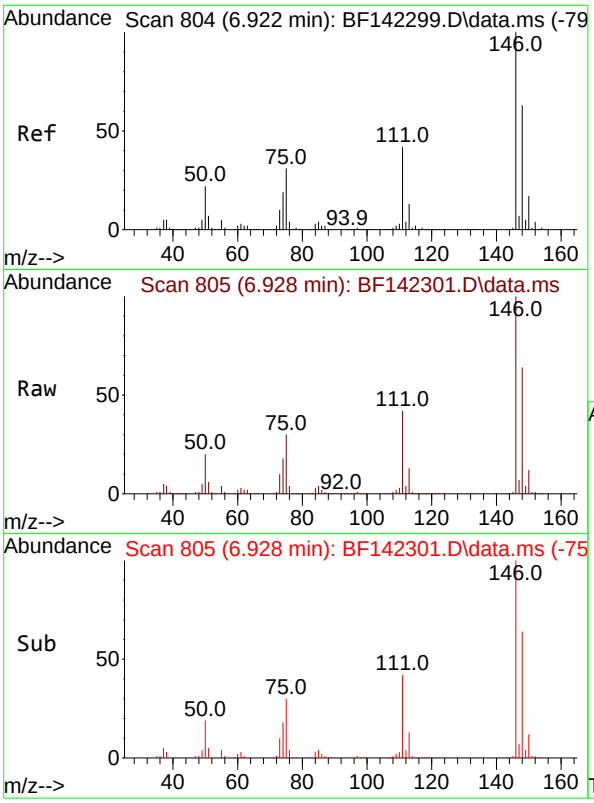


#12
1,3-Dichlorobenzene
Concen: 57.752 ng
RT: 6.851 min Scan# 792
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:146 Resp: 816681

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.6	76.0
75	28.6	24.2	36.4



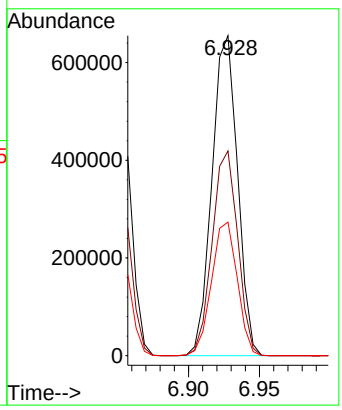


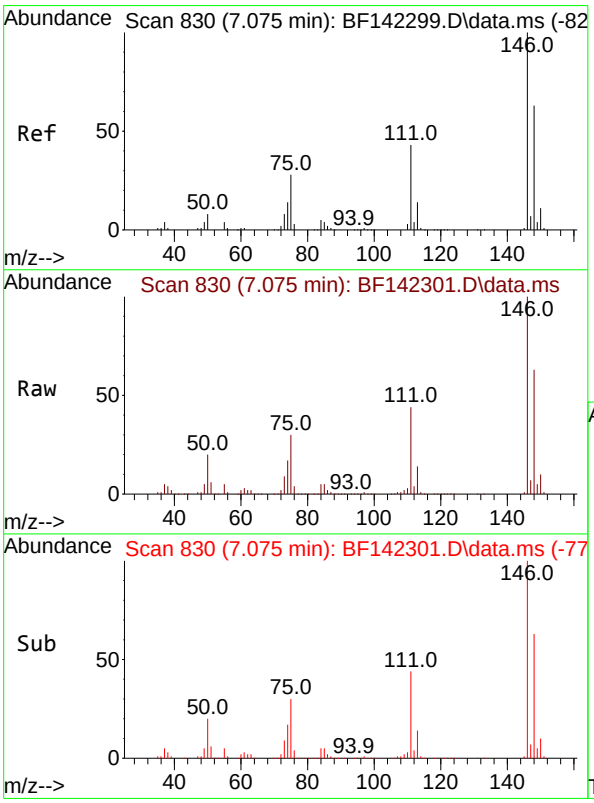
#13
1,4-Dichlorobenzene
Concen: 57.814 ng
RT: 6.928 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:146 Resp: 820881

Ion	Ratio	Lower	Upper
146	100		
148	64.0	50.5	75.7
111	41.8	33.4	50.2

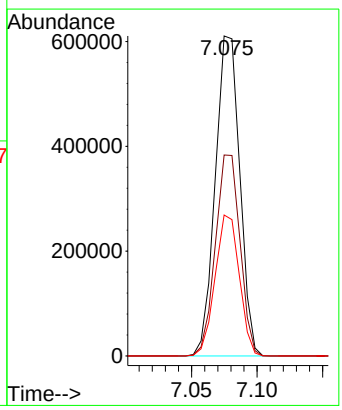


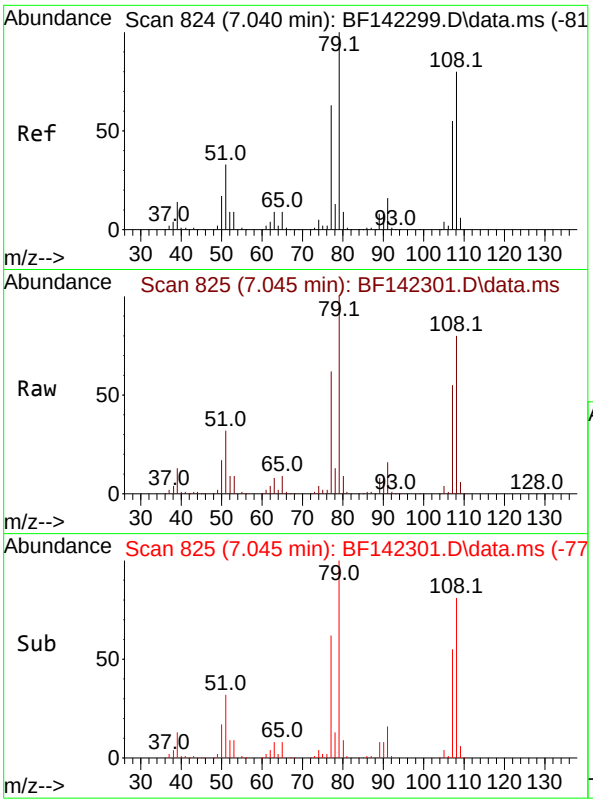


#14
1,2-Dichlorobenzene
Concen: 58.260 ng
RT: 7.075 min Scan# 830
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:146 Resp: 794010

Ion	Ratio	Lower	Upper
146	100		
148	62.8	50.3	75.5
111	44.1	34.5	51.7



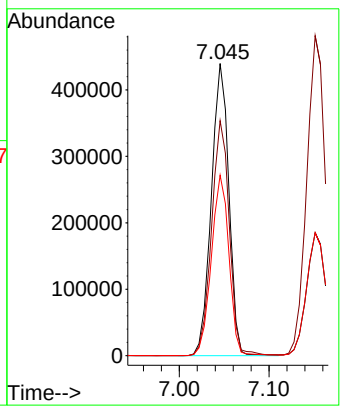


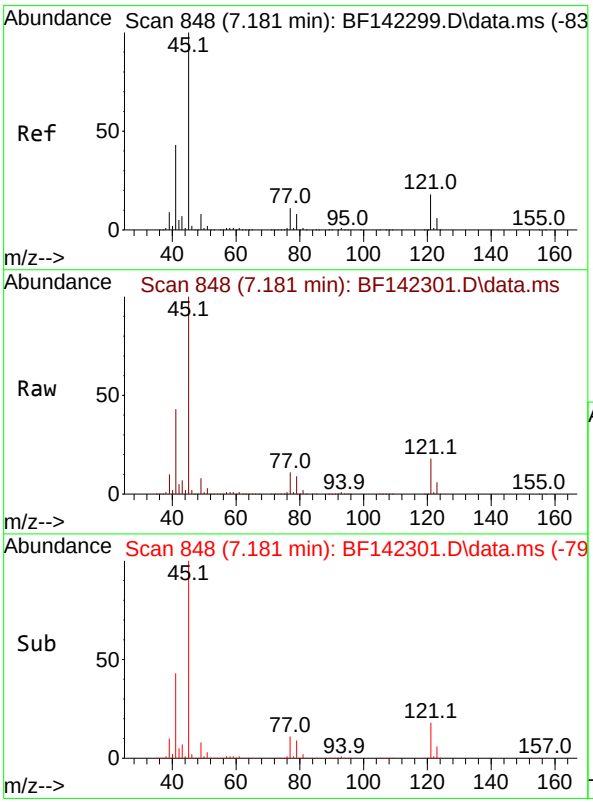
#15
Benzyl Alcohol
Concen: 64.809 ng
RT: 7.045 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 597038

Ion	Ratio	Lower	Upper
79	100		
108	80.5	63.9	95.9
77	61.8	50.7	76.1

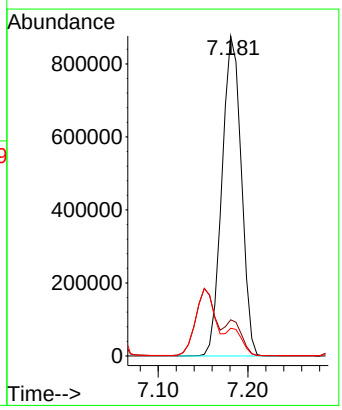


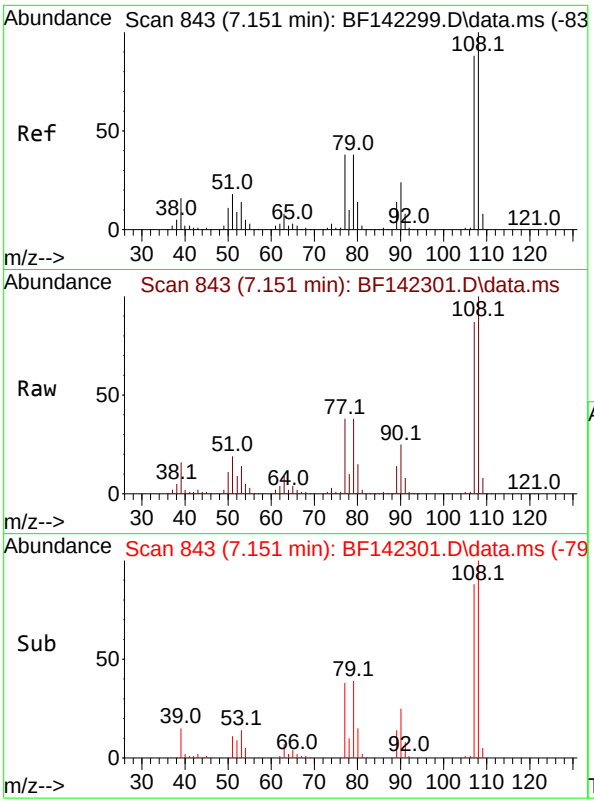


#16
2,2'-oxybis(1-Chloropropane)
Concen: 58.989 ng
RT: 7.181 min Scan# 848
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion: 45 Resp: 1310008

Ion	Ratio	Lower	Upper
45	100		
77	11.3	0.0	31.2
79	8.7	0.0	28.5



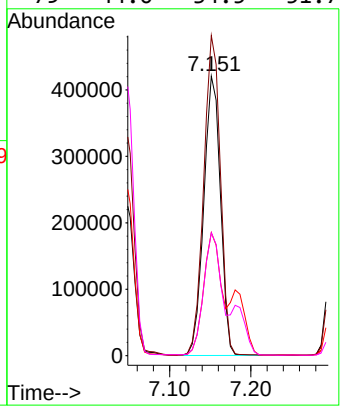


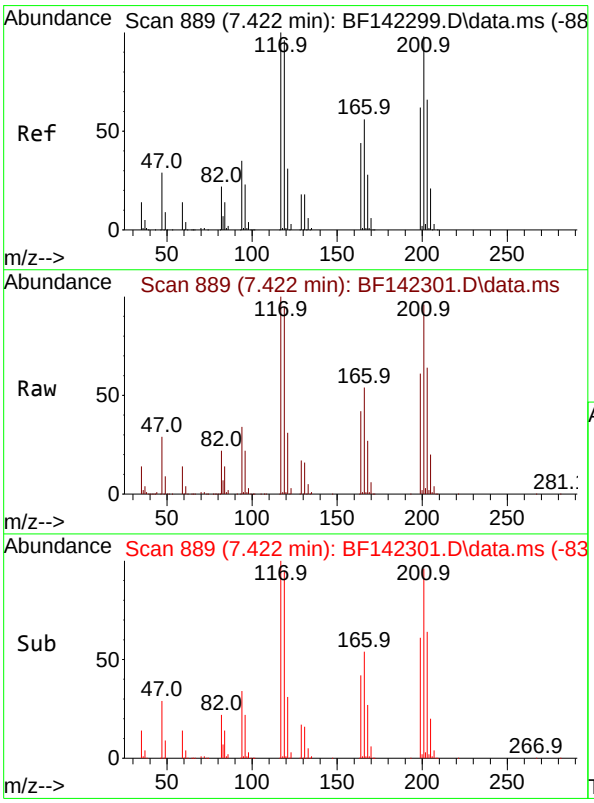
#17
2-Methylphenol
Concen: 59.949 ng
RT: 7.151 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:107 Resp: 599927

Ion	Ratio	Lower	Upper
107	100		
108	114.5	91.1	136.7
77	44.0	34.7	52.1
79	44.0	34.5	51.7

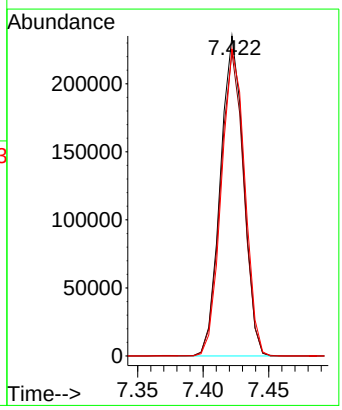


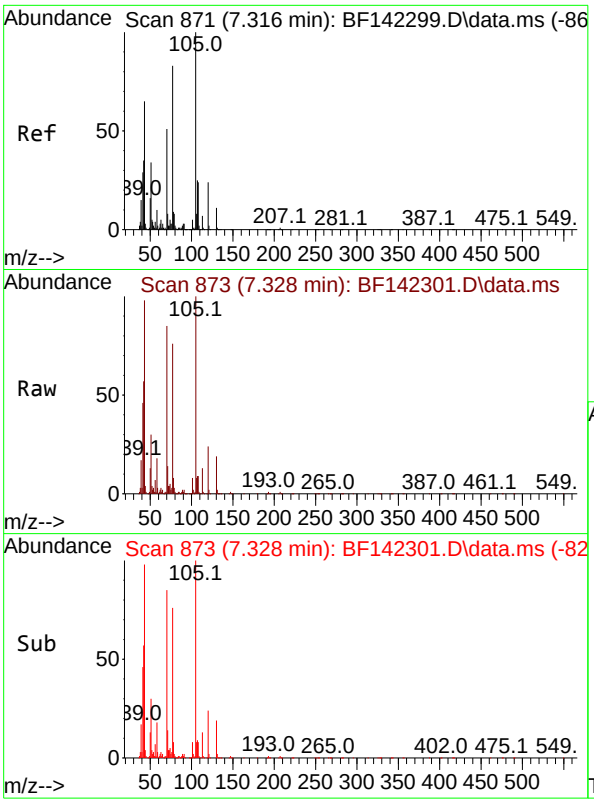


#18
Hexachloroethane
Concen: 61.032 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:117 Resp: 288326

Ion	Ratio	Lower	Upper
117	100		
119	94.8	76.9	115.3
201	95.9	78.0	117.0



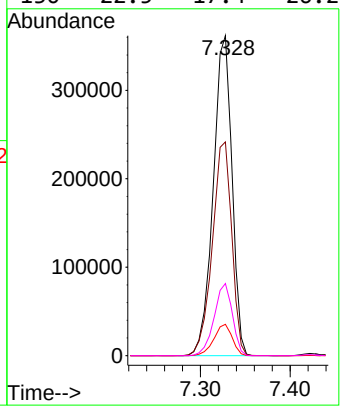


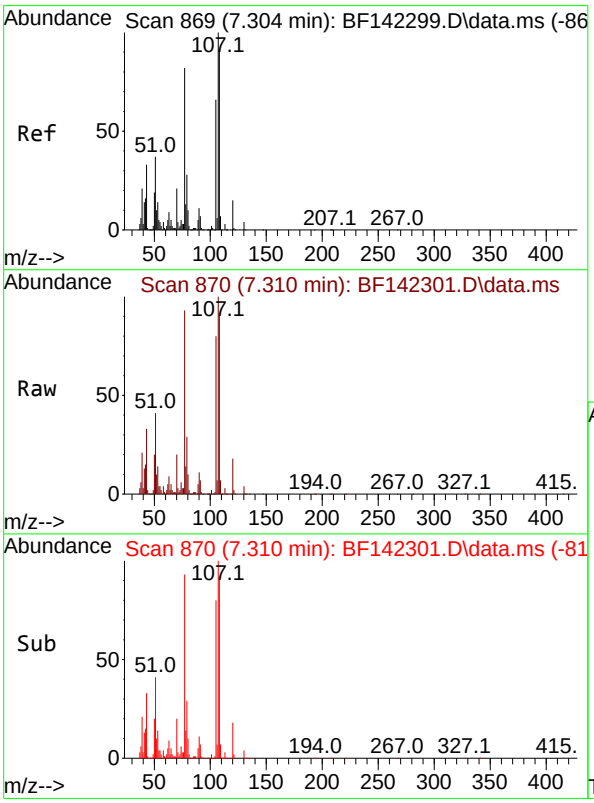
#19
n-Nitroso-di-n-propylamine
Concen: 59.543 ng
RT: 7.328 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 70 Resp: 523983

Ion	Ratio	Lower	Upper
70	100		
42	66.8	54.8	82.2
101	9.8	7.7	11.5
130	22.5	17.4	26.2

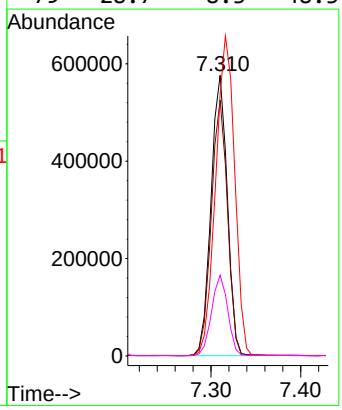


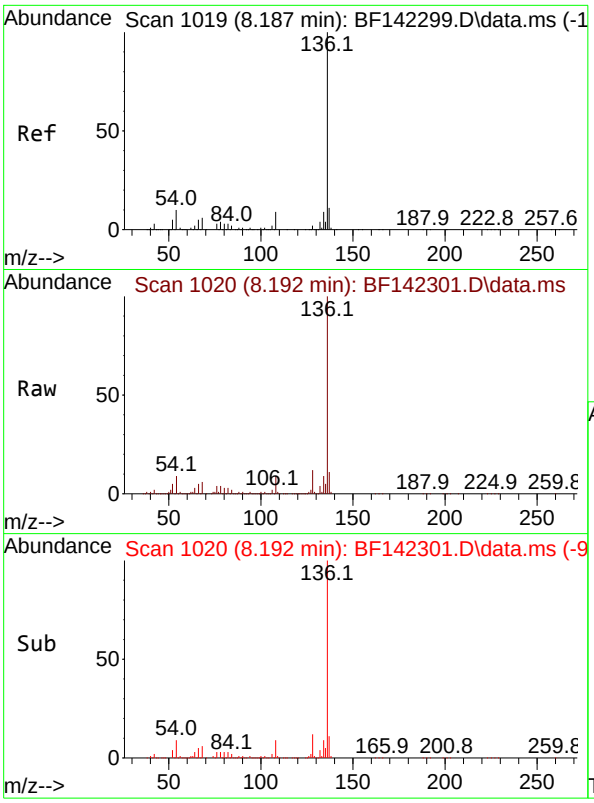


#20
3+4-Methylphenols
Concen: 58.165 ng
RT: 7.310 min Scan# 870
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:107 Resp: 726451

Ion	Ratio	Lower	Upper
107	100		
108	91.2	71.5	111.5
77	93.3	61.6	101.6
79	28.7	8.3	48.3



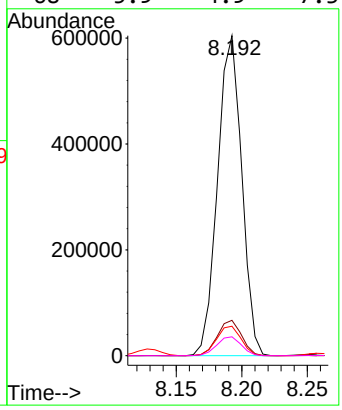


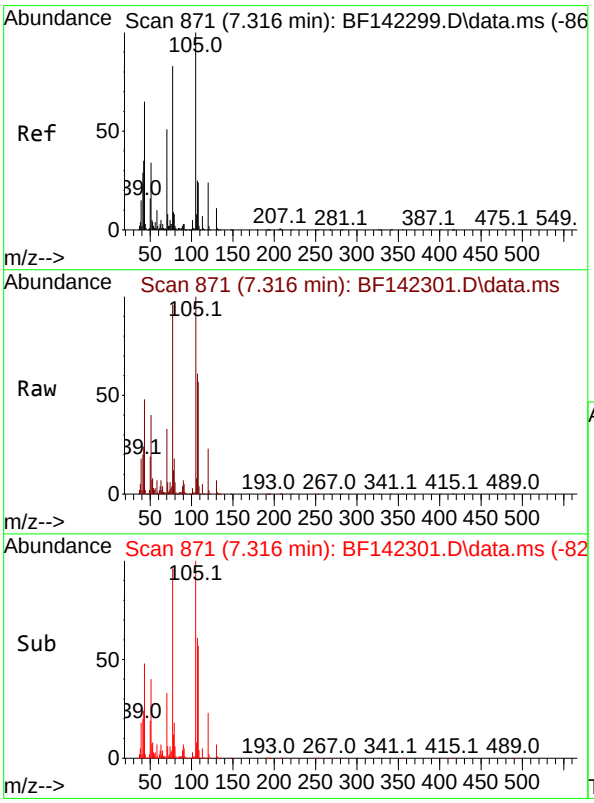
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.192 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:136 Resp: 774183

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	9.2	7.7	11.5
68	5.9	4.9	7.3

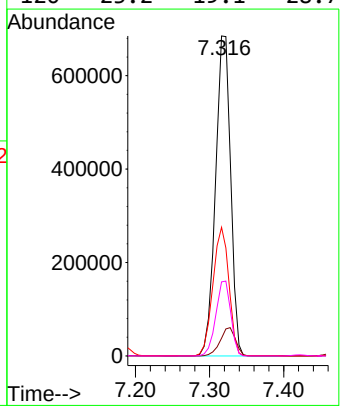


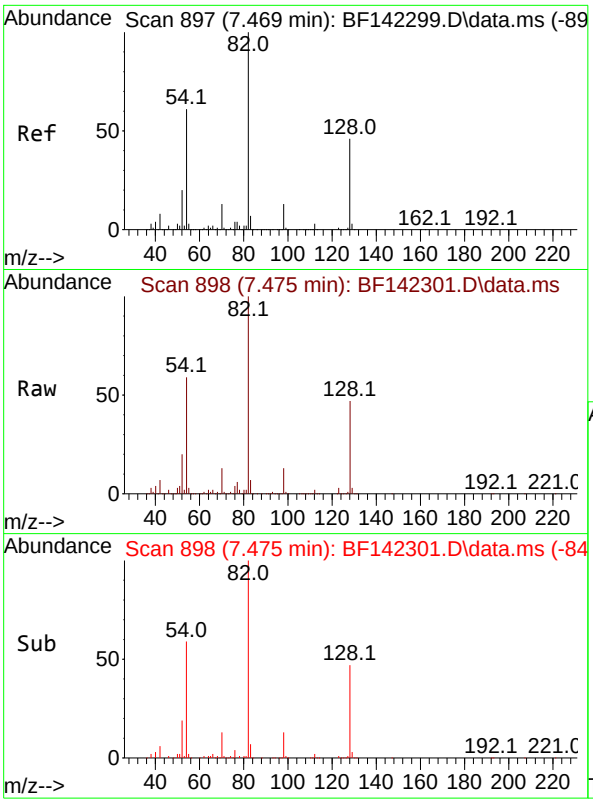


#22
Acetophenone
Concen: 56.476 ng
RT: 7.316 min Scan# 871
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:105 Resp: 972165

Ion	Ratio	Lower	Upper
105	100		
71	5.5	6.7	10.1#
51	40.2	27.6	41.4
120	23.2	19.1	28.7



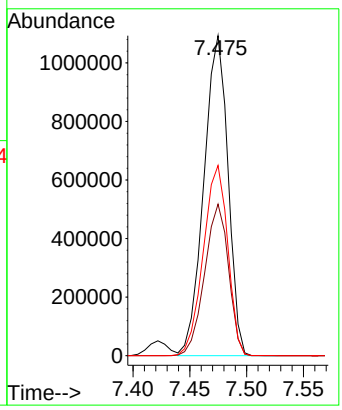


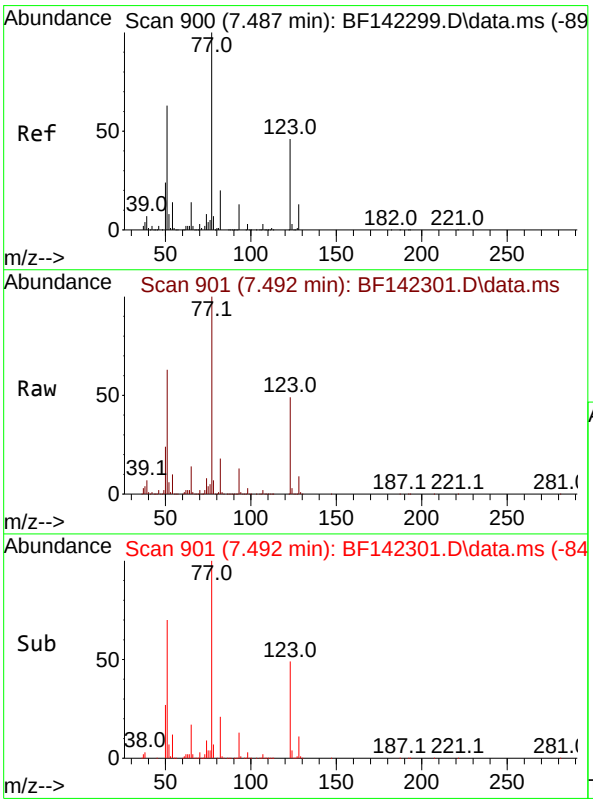
#23
Nitrobenzene-d5
Concen: 127.189 ng
RT: 7.475 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 1614559

Ion	Ratio	Lower	Upper
82	100		
128	47.4	37.0	55.6
54	59.4	48.6	73.0

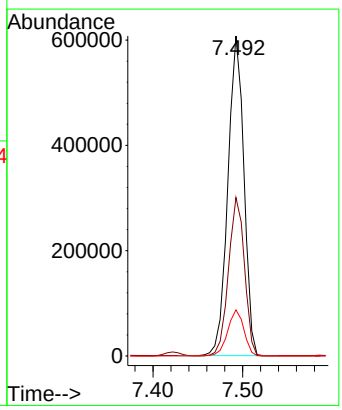


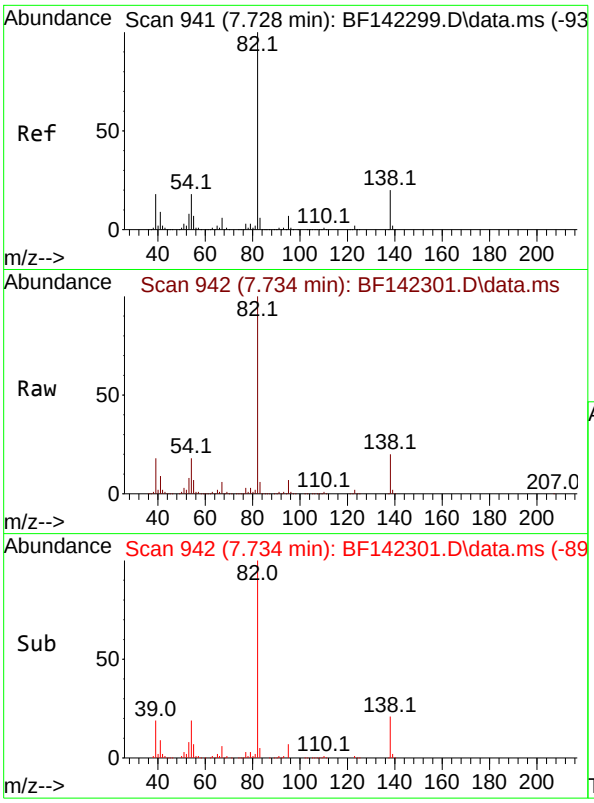


#24
Nitrobenzene
Concen: 62.999 ng
RT: 7.492 min Scan# 901
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion: 77 Resp: 753847

Ion	Ratio	Lower	Upper
77	100		
123	49.5	37.8	56.8
65	14.4	11.4	17.0



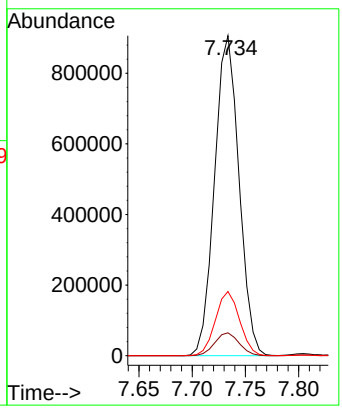


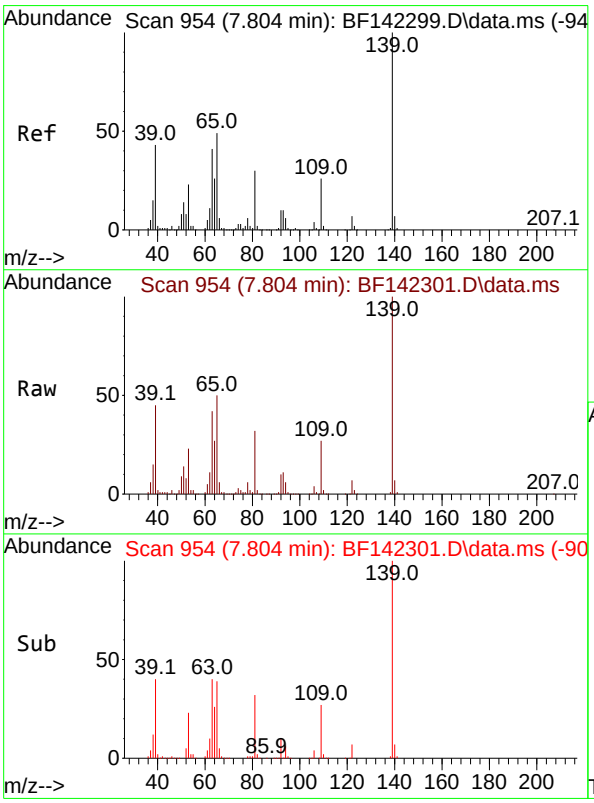
#25
Isophorone
Concen: 60.087 ng
RT: 7.734 min Scan# 94
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 1444396

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.8	8.8
138	20.1	16.1	24.1

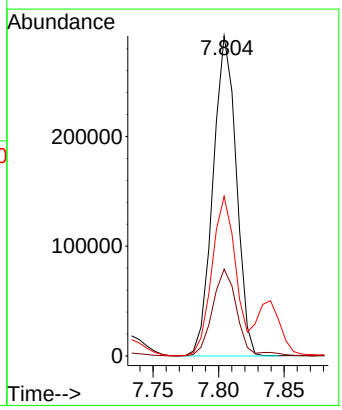


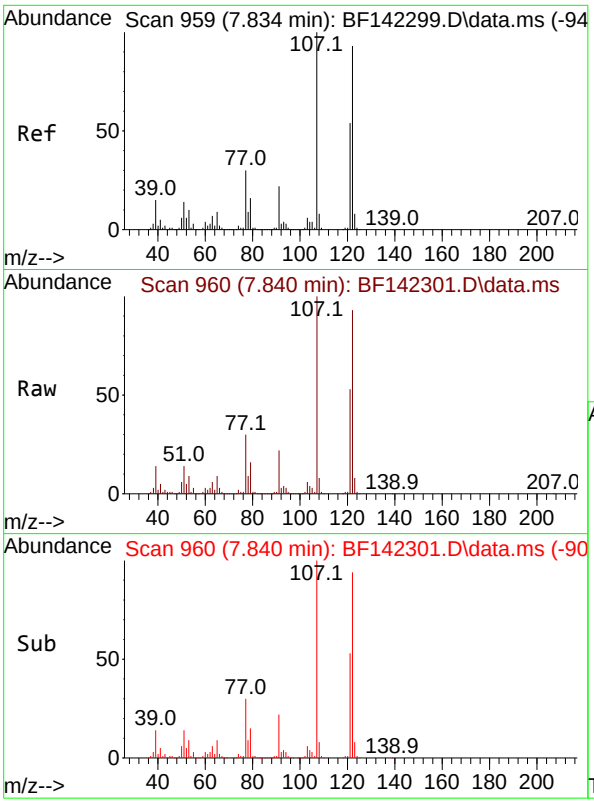


#26
2-Nitrophenol
Concen: 61.112 ng
RT: 7.804 min Scan# 954
Delta R.T. 0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:139 Resp: 359513

Ion	Ratio	Lower	Upper
139	100		
109	27.1	20.8	31.2
65	49.9	38.9	58.3



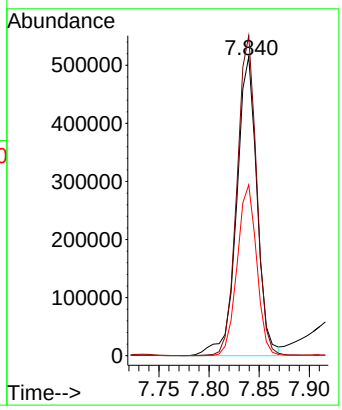


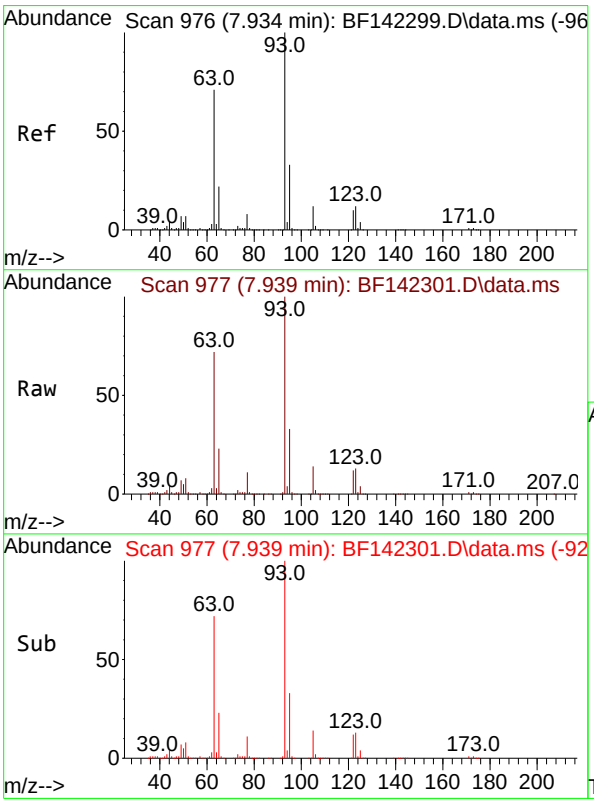
#27
2,4-Dimethylphenol
Concen: 60.325 ng
RT: 7.840 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:122 Resp: 729069

Ion	Ratio	Lower	Upper
122	100		
107	107.0	86.0	129.0
121	57.2	46.2	69.4

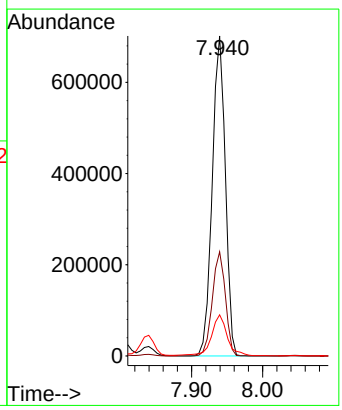


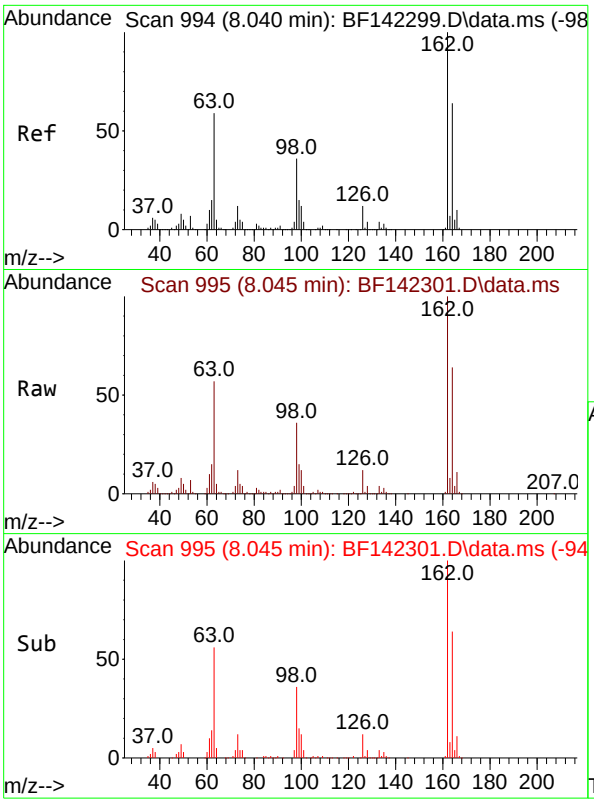


#28
bis(2-Chloroethoxy)methane
Concen: 58.015 ng
RT: 7.939 min Scan# 977
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion: 93 Resp: 896741

Ion	Ratio	Lower	Upper
93	100		
95	32.6	26.1	39.1
123	12.8	10.2	15.4



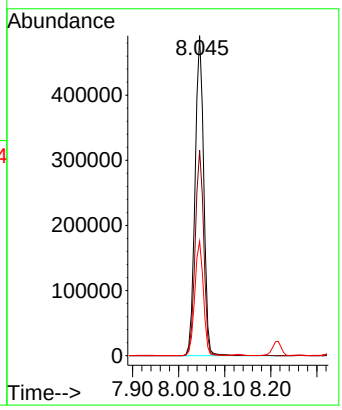


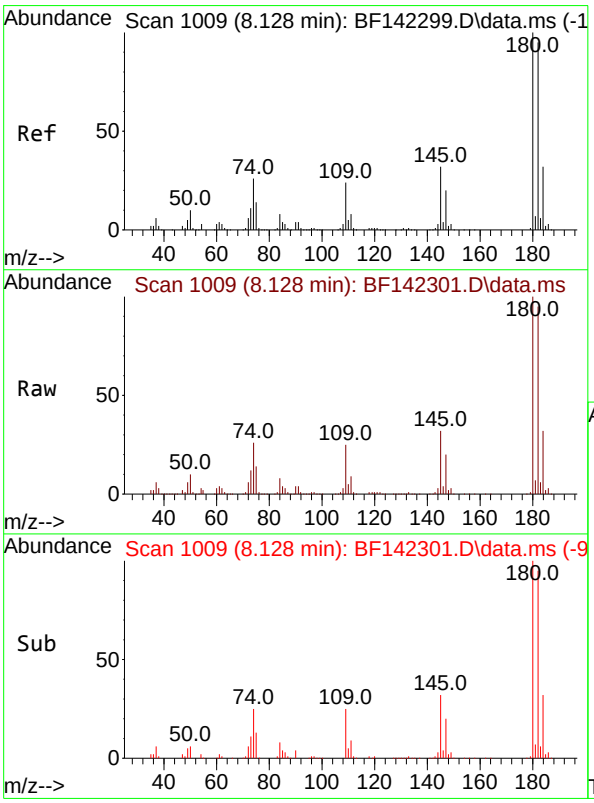
#29
2,4-Dichlorophenol
Concen: 61.967 ng
RT: 8.045 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 636712

Ion	Ratio	Lower	Upper
162	100		
164	64.2	43.6	83.6
98	35.7	16.5	56.5

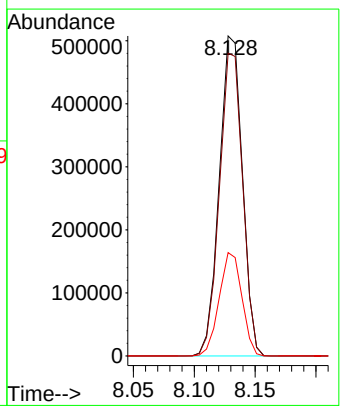


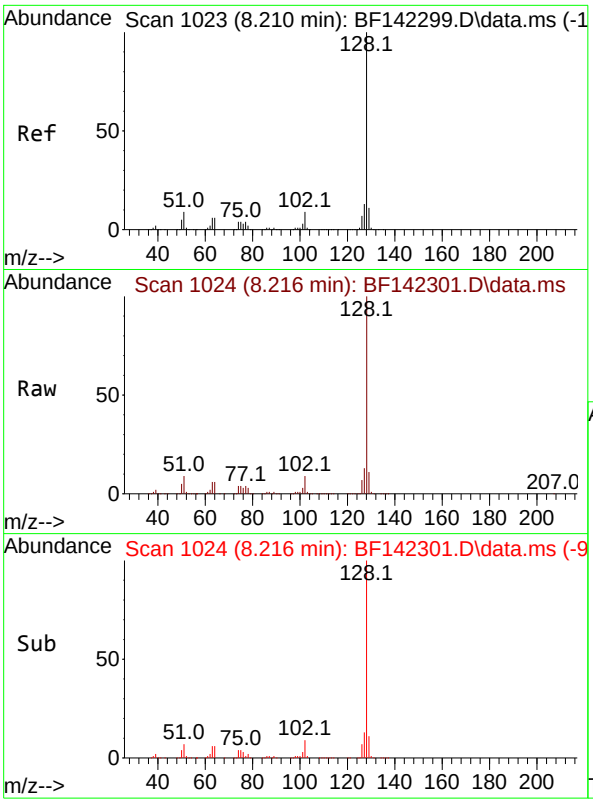


#30
1,2,4-Trichlorobenzene
Concen: 57.949 ng
RT: 8.128 min Scan# 1009
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:180 Resp: 670104

Ion	Ratio	Lower	Upper
180	100		
182	94.6	76.2	114.4
145	32.3	25.8	38.6



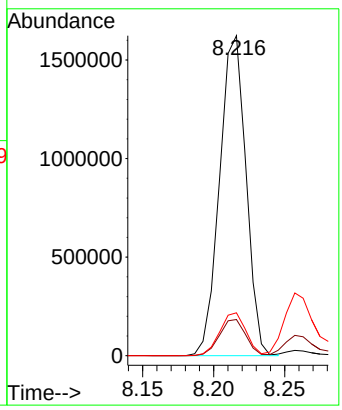


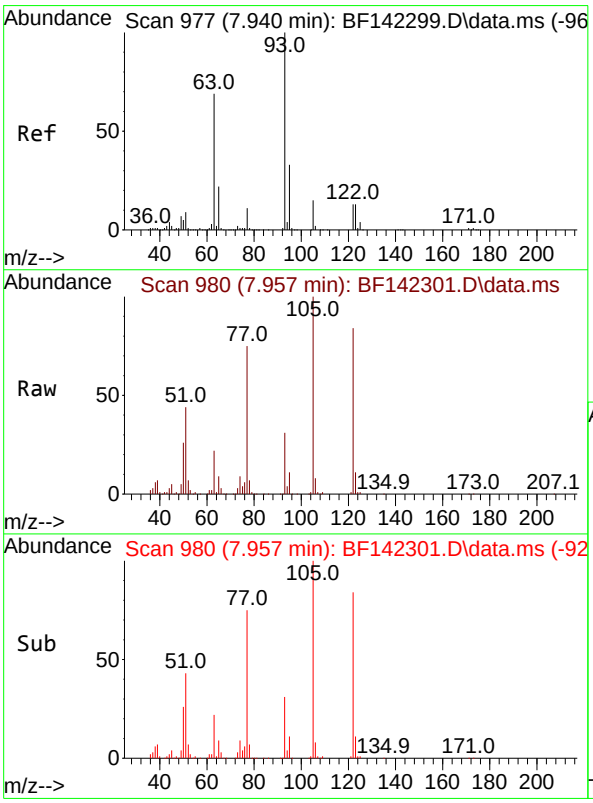
#31
Naphthalene
Concen: 56.052 ng
RT: 8.216 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:128 Resp: 2103149

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.1	13.7
127	13.4	10.5	15.7

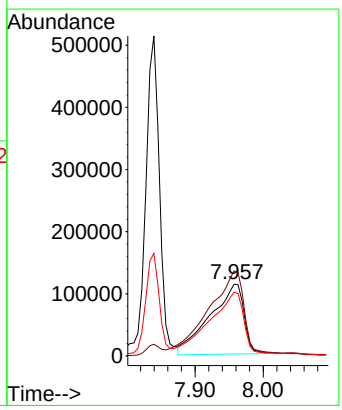


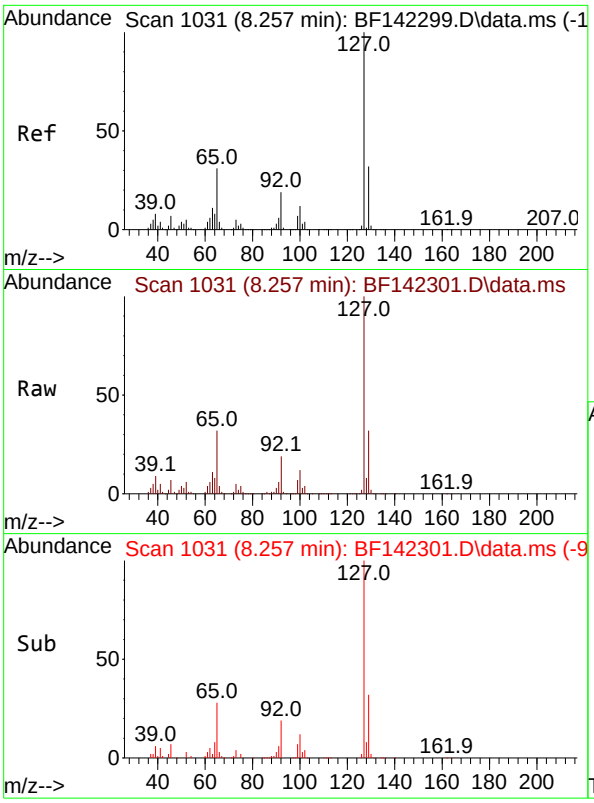


#32
Benzoic acid
Concen: 57.117 ng
RT: 7.957 min Scan# 980
Delta R.T. 0.017 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:122 Resp: 389833

Ion	Ratio	Lower	Upper
122	100		
105	118.7	97.9	137.9
77	89.0	67.7	107.7



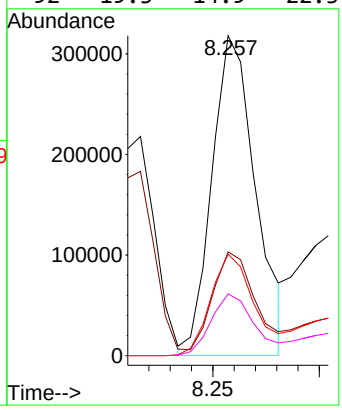


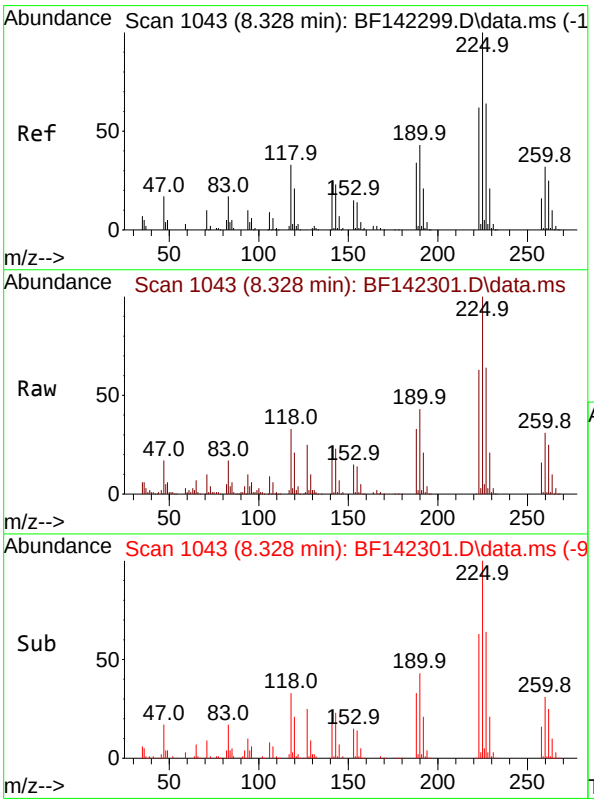
#33
4-Chloroaniline
Concen: 29.624 ng
RT: 8.257 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:127 Resp: 452739

Ion	Ratio	Lower	Upper
127	100		
129	32.5	25.7	38.5
65	31.7	24.9	37.3
92	19.3	14.9	22.3

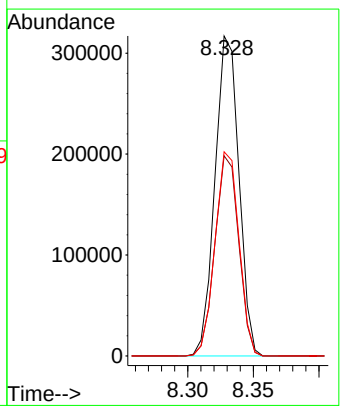


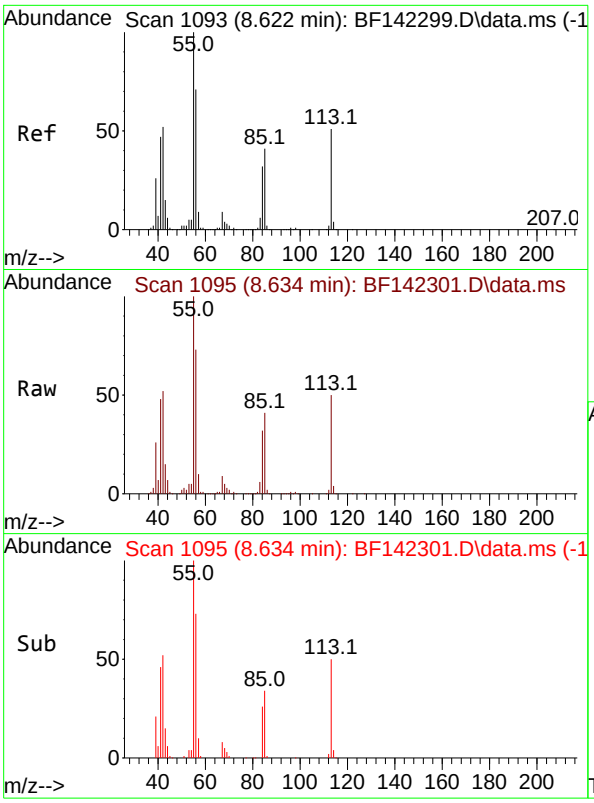


#34
Hexachlorobutadiene
Concen: 58.657 ng
RT: 8.328 min Scan# 1043
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:225 Resp: 401644

Ion	Ratio	Lower	Upper
225	100		
223	62.6	49.8	74.6
227	63.8	50.9	76.3



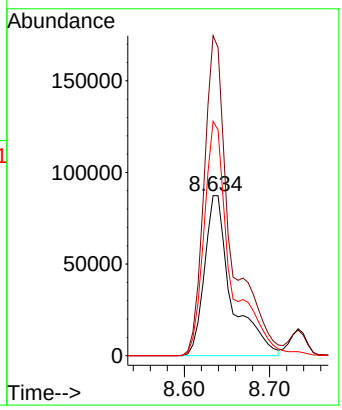


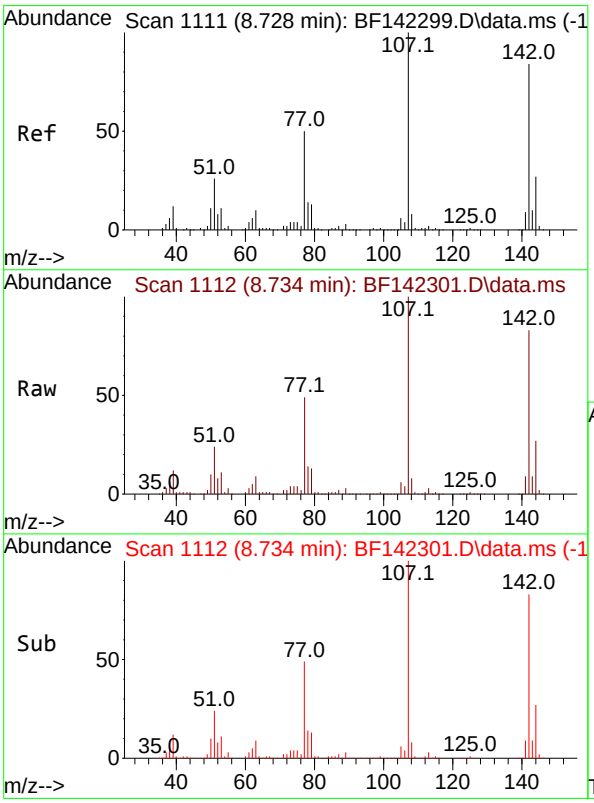
#35
Caprolactam
Concen: 64.619 ng
RT: 8.634 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:113 Resp: 193098

Ion	Ratio	Lower	Upper
113	100		
55	200.0	176.4	216.4
56	146.4	120.3	160.3

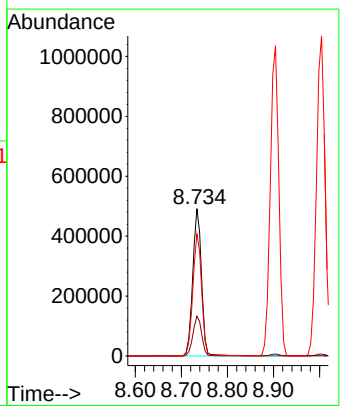


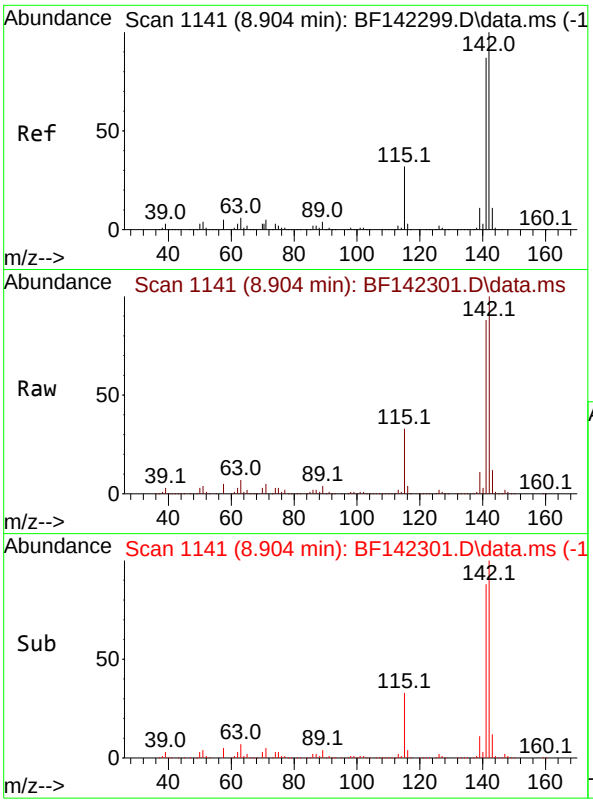


#36
4-Chloro-3-methylphenol
Concen: 60.738 ng
RT: 8.734 min Scan# 1112
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:107 Resp: 648747

Ion	Ratio	Lower	Upper
107	100		
144	26.9	21.3	31.9
142	82.8	66.9	100.3



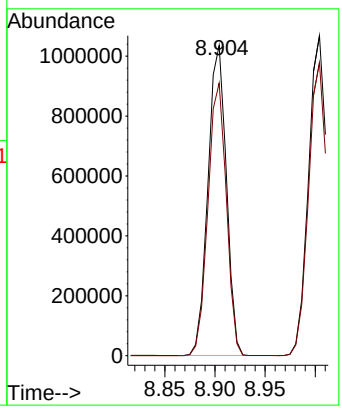


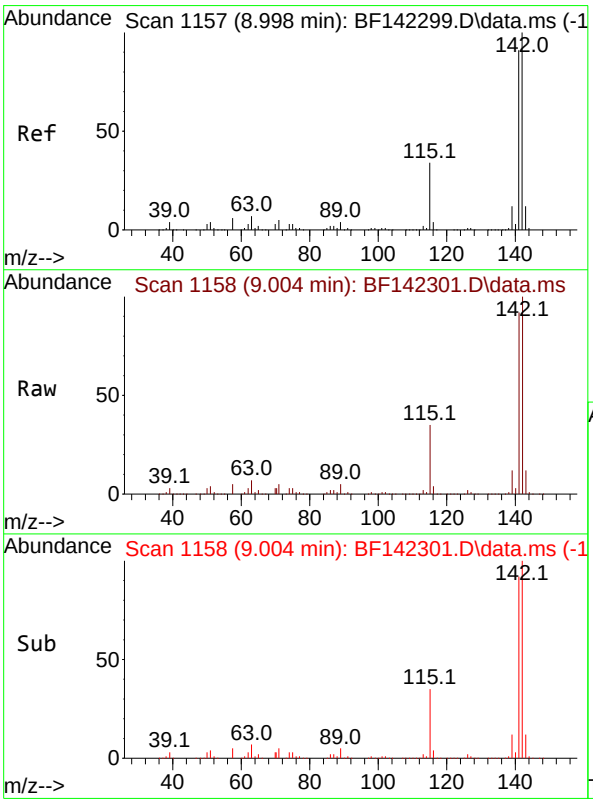
#37
2-Methylnaphthalene
Concen: 56.607 ng
RT: 8.904 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:142 Resp: 1319794

Ion	Ratio	Lower	Upper
142	100		
141	87.9	69.4	104.2

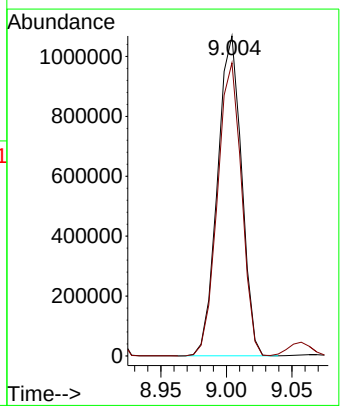


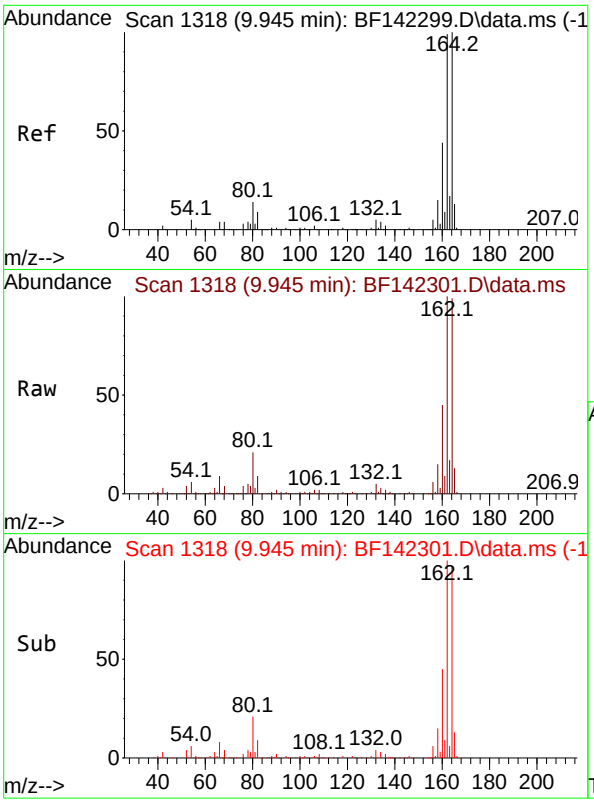


#38
1-Methylnaphthalene
Concen: 56.109 ng
RT: 9.004 min Scan# 1158
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:142 Resp: 1363474

Ion	Ratio	Lower	Upper
142	100		
141	91.6	72.5	108.7



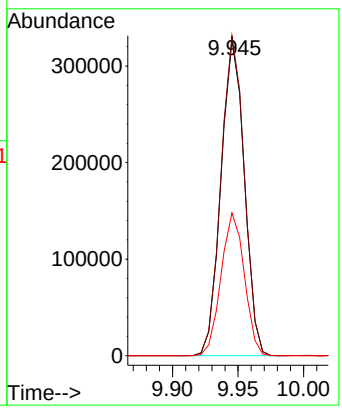


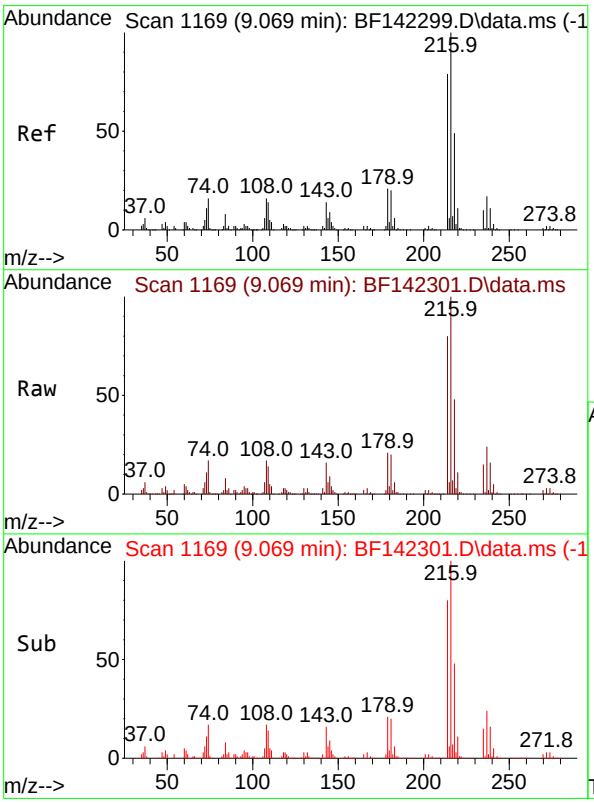
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:164 Resp: 403498

Ion	Ratio	Lower	Upper
164	100		
162	101.4	79.2	118.8
160	45.2	35.3	52.9

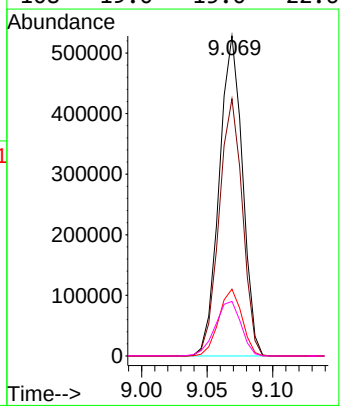


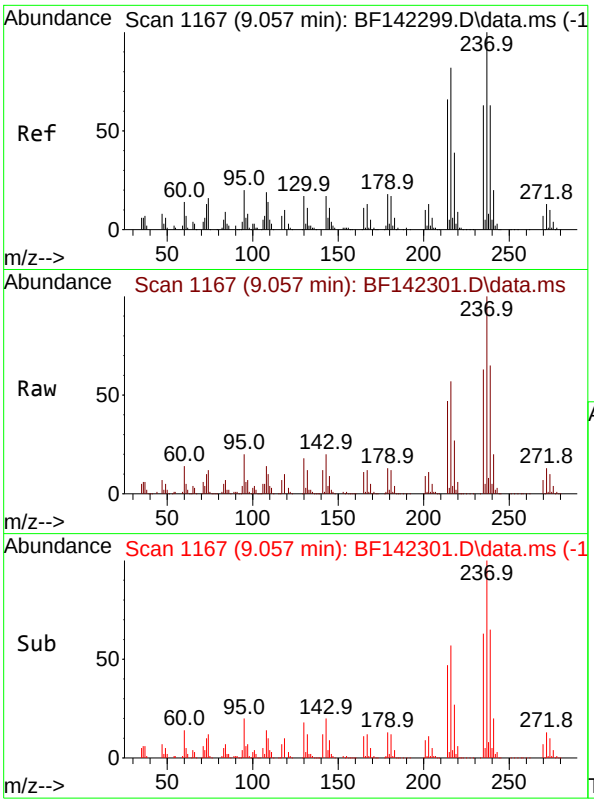


#40
1,2,4,5-Tetrachlorobenzene
Concen: 57.740 ng
RT: 9.069 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:216 Resp: 650696

Ion	Ratio	Lower	Upper
216	100		
214	80.3	63.8	95.6
179	20.9	17.0	25.6
108	19.0	15.0	22.6



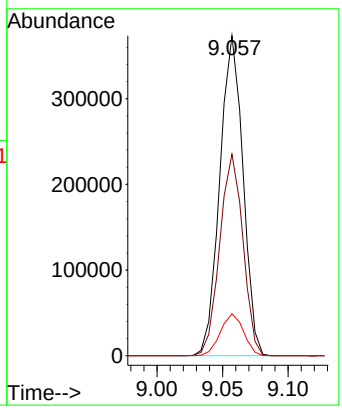


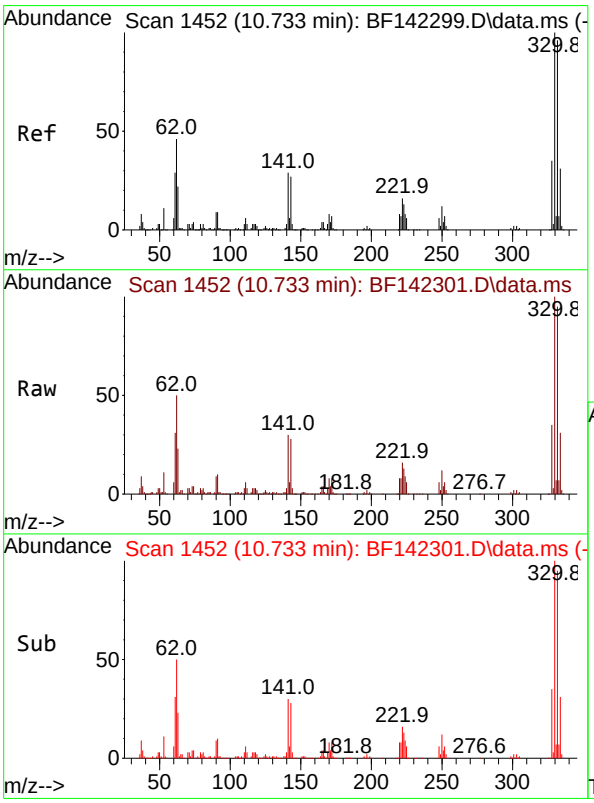
#41
Hexachlorocyclopentadiene
Concen: 65.925 ng
RT: 9.057 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:237 Resp: 459147

Ion	Ratio	Lower	Upper
237	100		
235	62.9	42.8	82.8
272	13.1	0.0	33.0

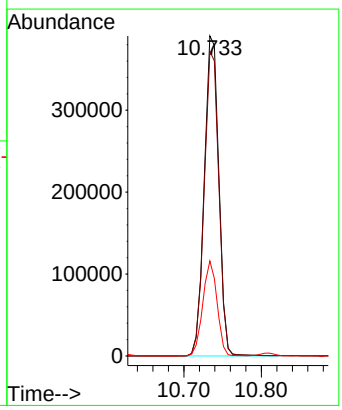


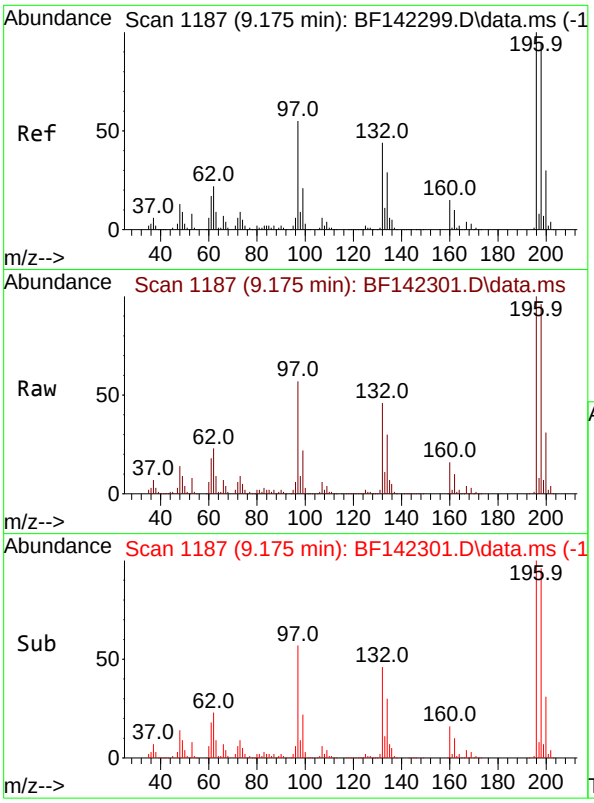


#42
2,4,6-Tribromophenol
Concen: 130.732 ng
RT: 10.733 min Scan# 1452
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:330 Resp: 509292

Ion	Ratio	Lower	Upper
330	100		
332	95.4	76.8	115.2
141	29.1	24.9	37.3



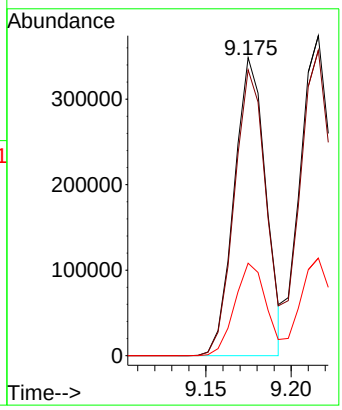


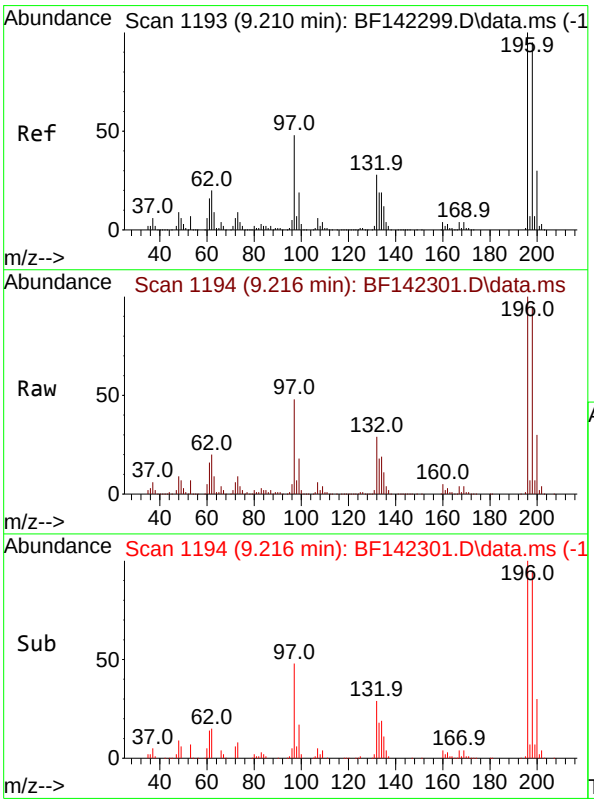
#43
2,4,6-Trichlorophenol
Concen: 63.143 ng
RT: 9.175 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:196 Resp: 448837

Ion	Ratio	Lower	Upper
196	100		
198	95.9	75.4	113.0
200	31.0	24.3	36.5

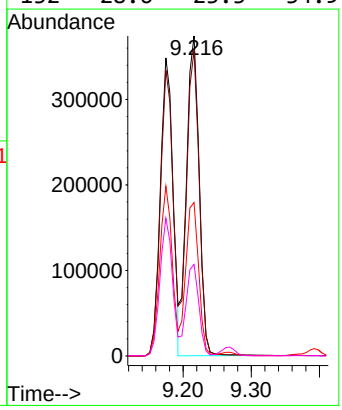


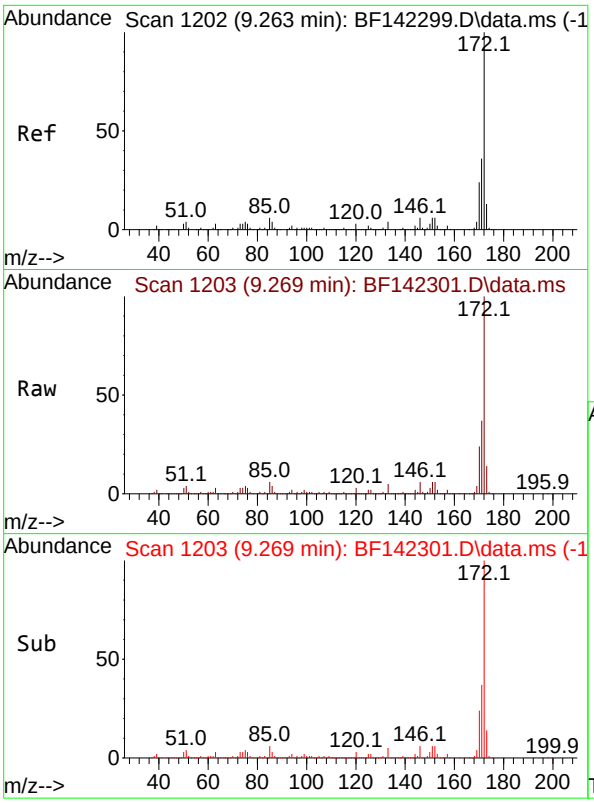


#44
2,4,5-Trichlorophenol
Concen: 63.505 ng
RT: 9.216 min Scan# 1194
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:196 Resp: 480305

Ion	Ratio	Lower	Upper
196	100		
198	95.5	76.1	114.1
97	47.9	39.0	58.4
132	28.6	23.3	34.9



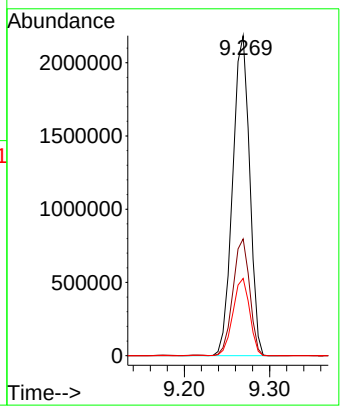


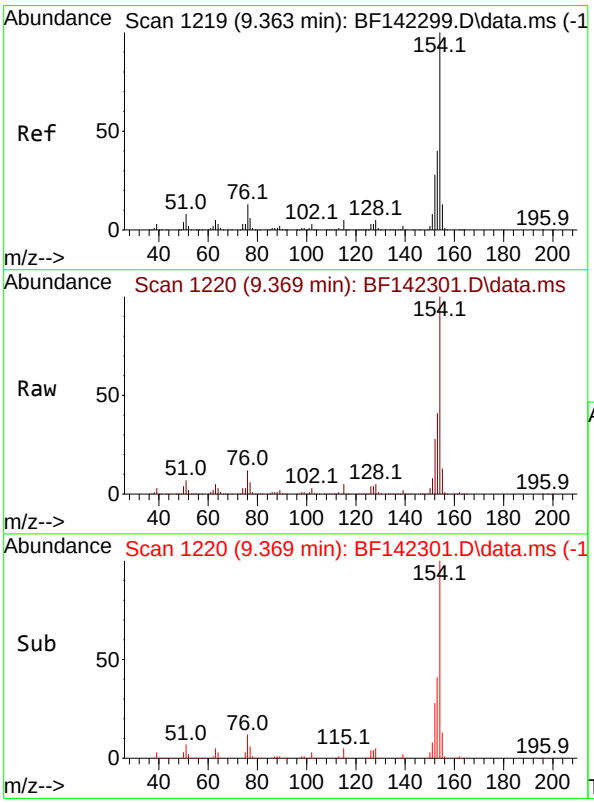
#45
2-Fluorobiphenyl
Concen: 106.576 ng
RT: 9.269 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:172 Resp: 3015927

Ion	Ratio	Lower	Upper
172	100		
171	36.5	28.6	42.8
170	24.2	19.0	28.4

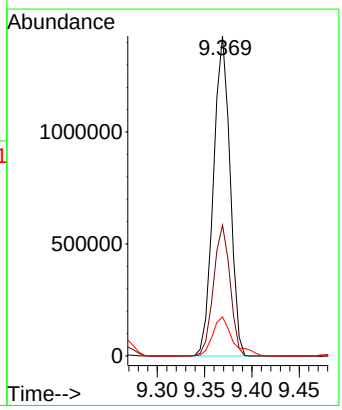


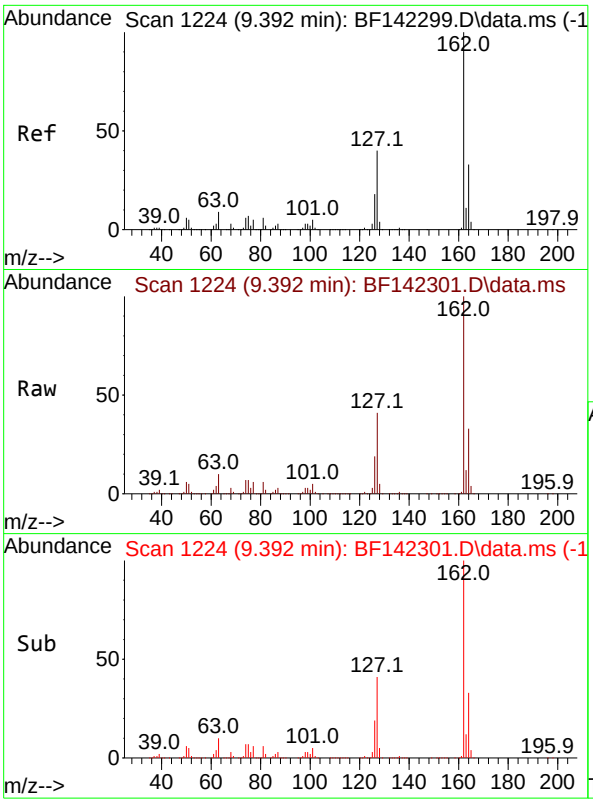


#46
1,1'-Biphenyl
Concen: 56.417 ng
RT: 9.369 min Scan# 1220
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:154 Resp: 1745424

Ion	Ratio	Lower	Upper
154	100		
153	40.9	20.5	60.5
76	12.2	0.0	32.8



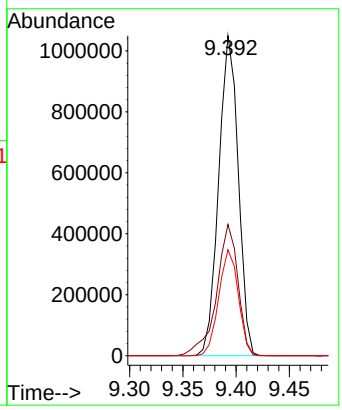


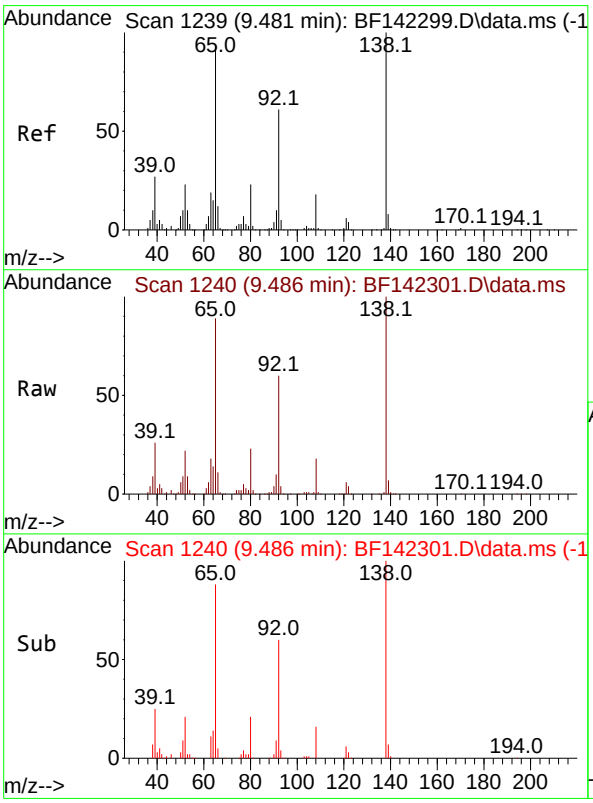
#47
2-Chloronaphthalene
Concen: 58.169 ng
RT: 9.392 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 1338338

Ion	Ratio	Lower	Upper
162	100		
127	41.0	32.3	48.5
164	33.1	26.6	40.0

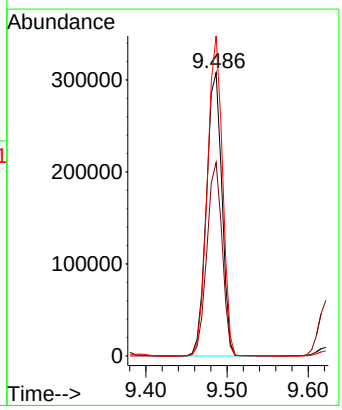


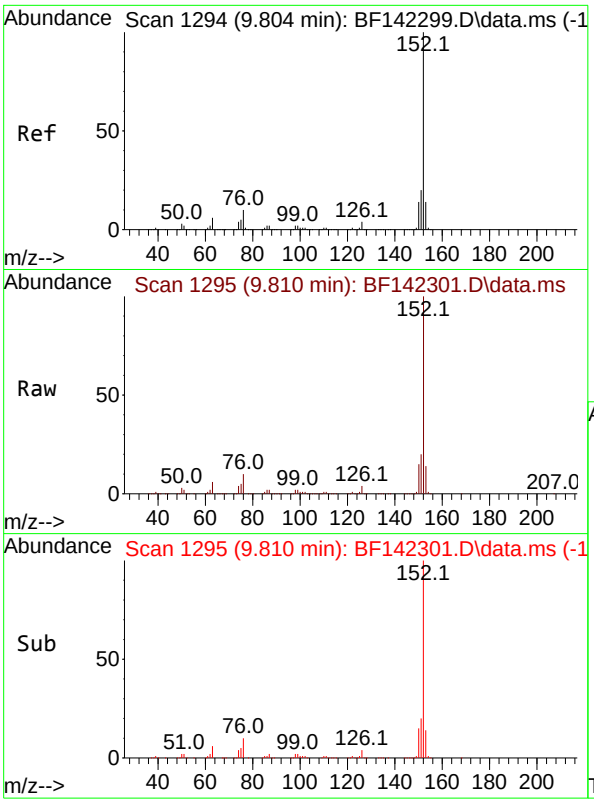


#48
2-Nitroaniline
Concen: 69.160 ng
RT: 9.486 min Scan# 1240
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion: 65 Resp: 407862

Ion	Ratio	Lower	Upper
65	100		
92	68.3	52.3	78.5
138	112.9	85.6	128.4



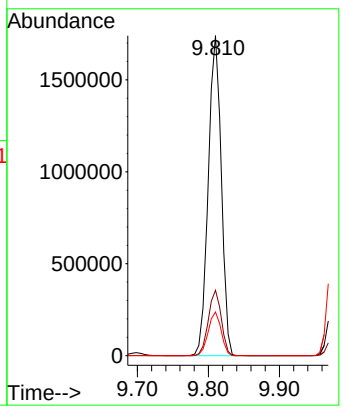


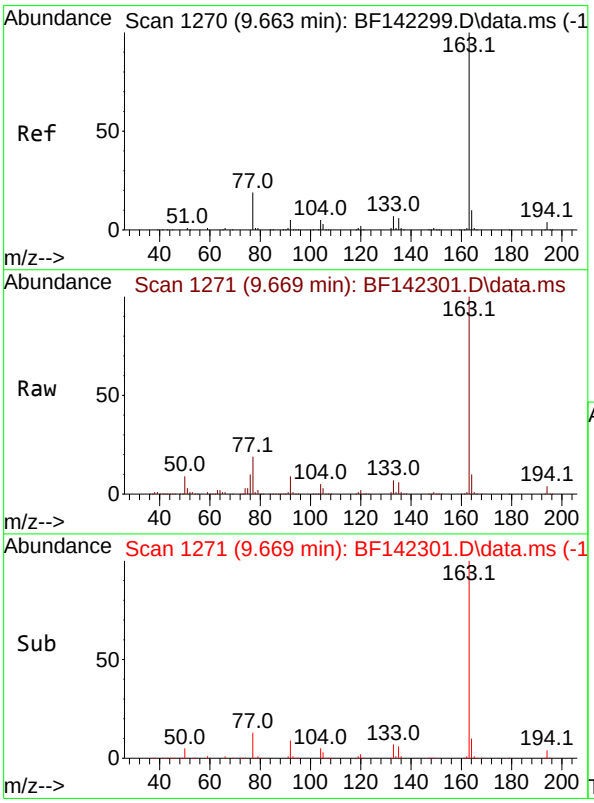
#49
Acenaphthylene
Concen: 57.569 ng
RT: 9.810 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 2215774

Ion	Ratio	Lower	Upper
152	100		
151	20.4	16.0	24.0
153	13.6	10.8	16.2

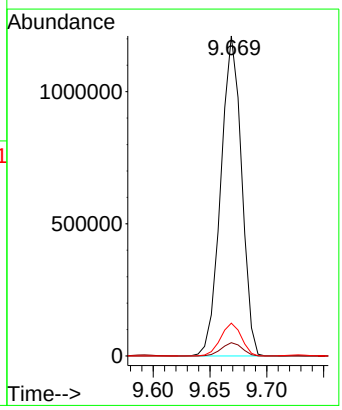


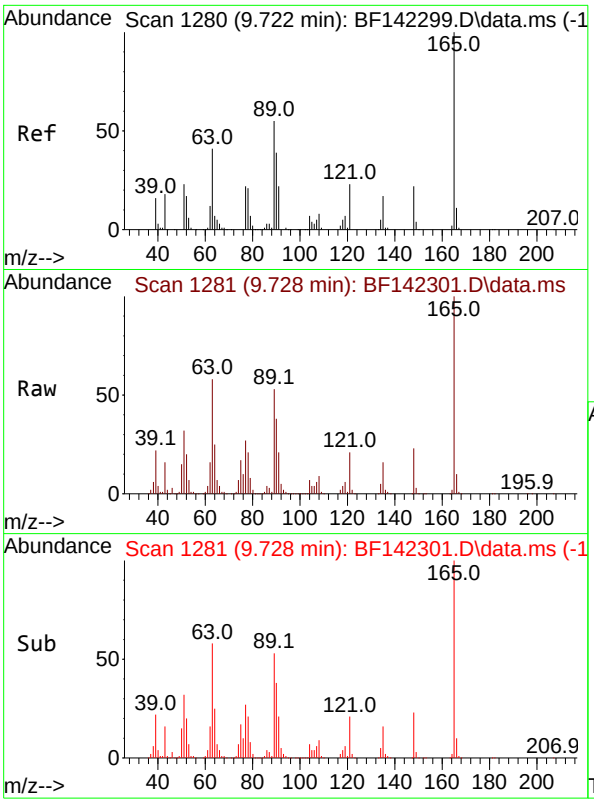


#50
Dimethylphthalate
Concen: 59.587 ng
RT: 9.669 min Scan# 1271
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:163 Resp: 1543896

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.2	4.8
164	10.2	8.3	12.5



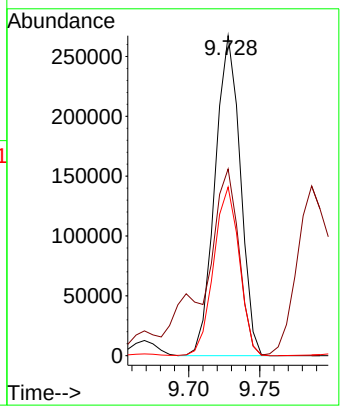


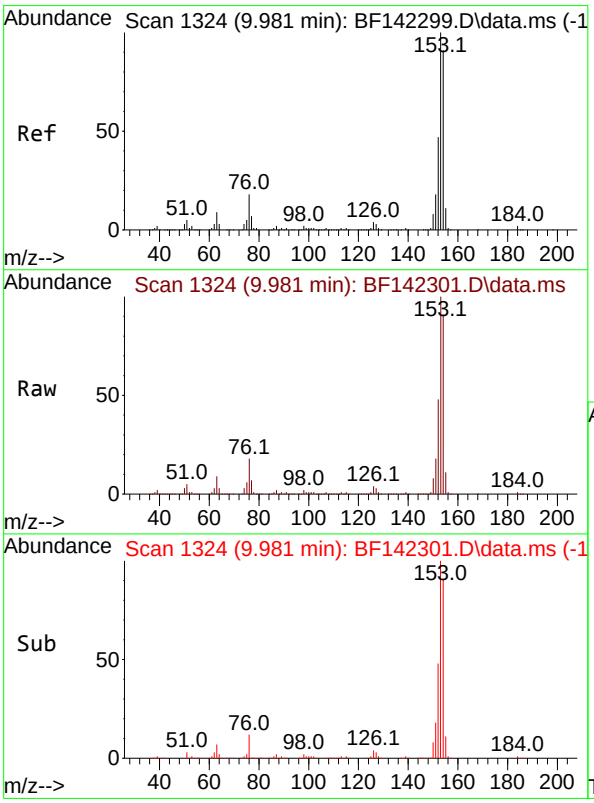
#51
2,6-Dinitrotoluene
Concen: 68.237 ng
RT: 9.728 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 330939

Ion	Ratio	Lower	Upper
165	100		
63	58.4	49.5	74.3
89	52.7	44.6	66.8

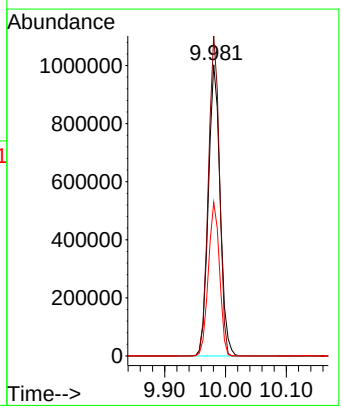


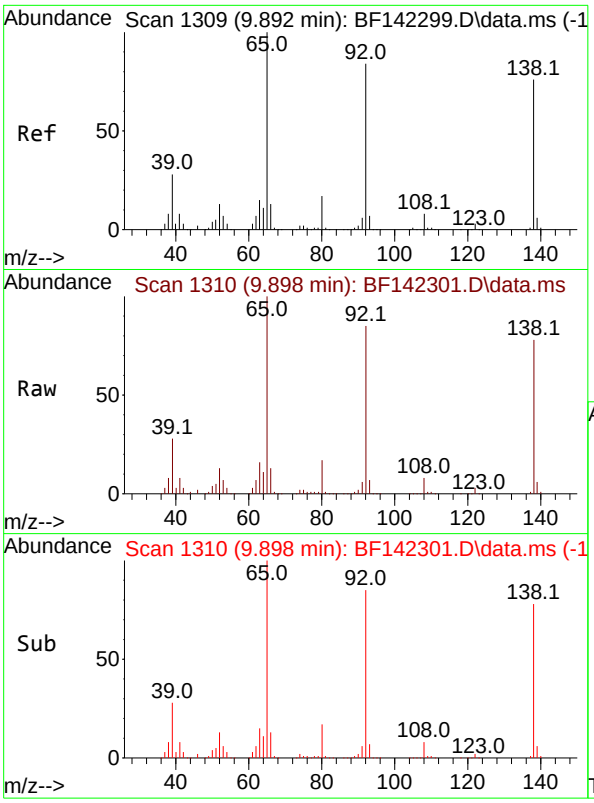


#52
Acenaphthene
Concen: 58.133 ng
RT: 9.981 min Scan# 1324
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:154 Resp: 1345347

Ion	Ratio	Lower	Upper
154	100		
153	109.9	88.0	132.0
152	52.7	41.6	62.4



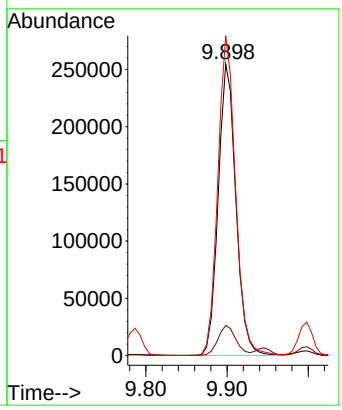


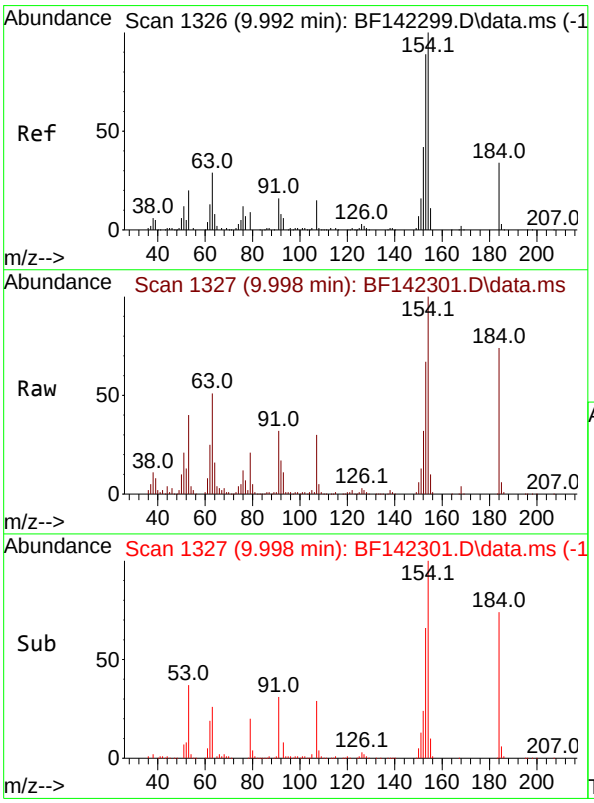
#53
3-Nitroaniline
Concen: 67.787 ng
RT: 9.898 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:138 Resp: 385568

Ion	Ratio	Lower	Upper
138	100		
108	10.4	8.7	13.1
92	109.6	89.5	134.3

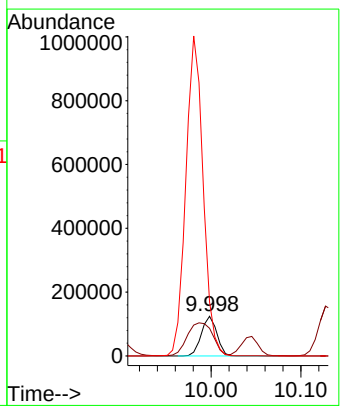


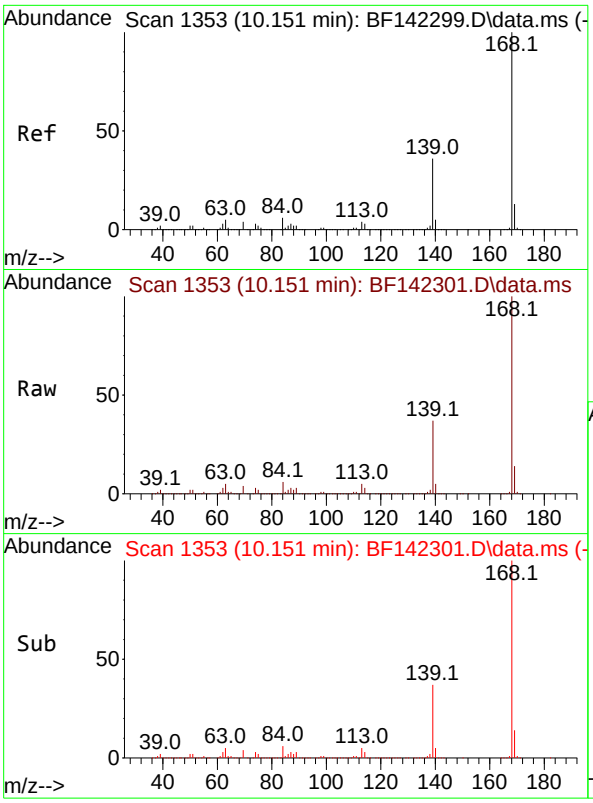


#54
2,4-Dinitrophenol
Concen: 61.014 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:184 Resp: 149707

Ion	Ratio	Lower	Upper
184	100		
63	69.6	70.6	105.8#
154	135.7	257.2	385.8#



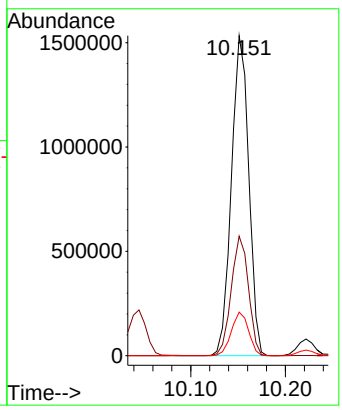


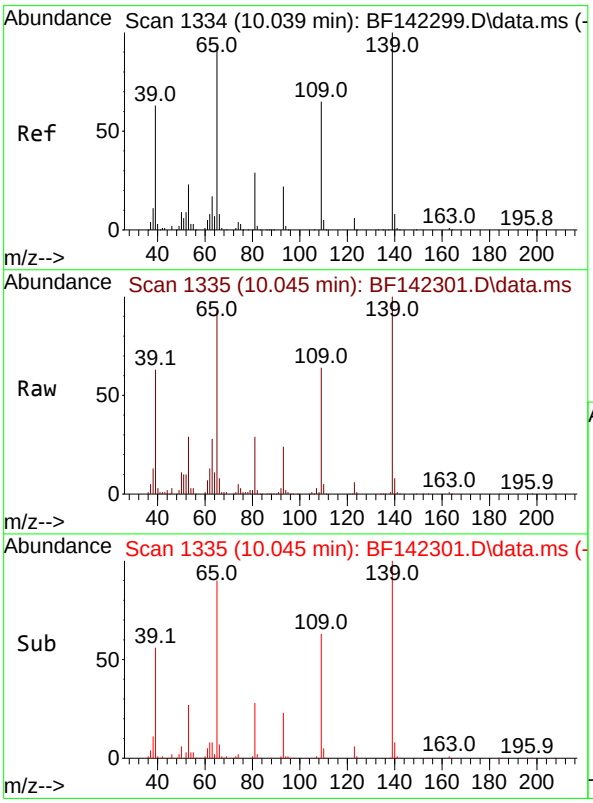
#55
Dibenzofuran
Concen: 57.013 ng
RT: 10.151 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:168 Resp: 1947247

Ion	Ratio	Lower	Upper
168	100		
139	37.3	29.0	43.4
169	13.6	10.7	16.1

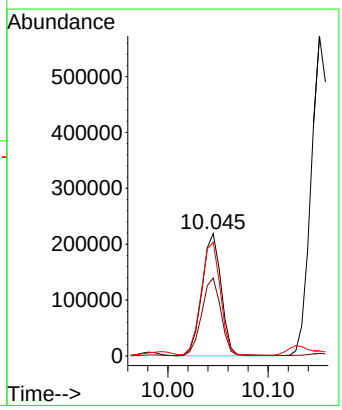


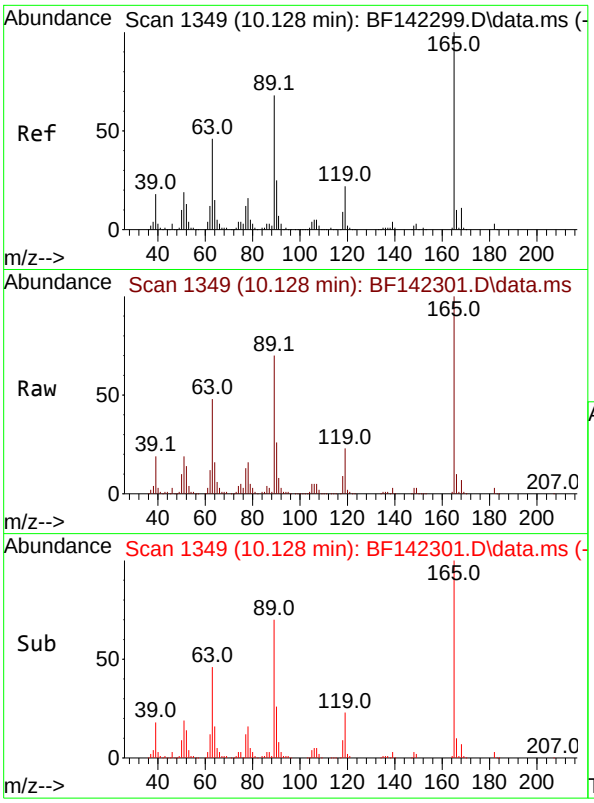


#56
4-Nitrophenol
Concen: 67.801 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:139 Resp: 290245

Ion	Ratio	Lower	Upper
139	100		
109	63.7	45.3	85.3
65	93.0	73.9	113.9



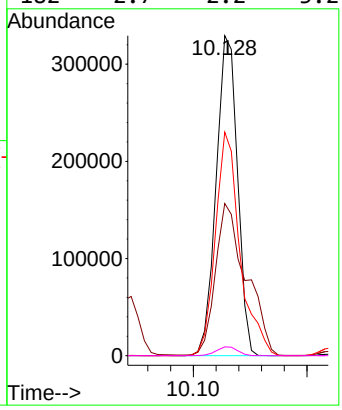


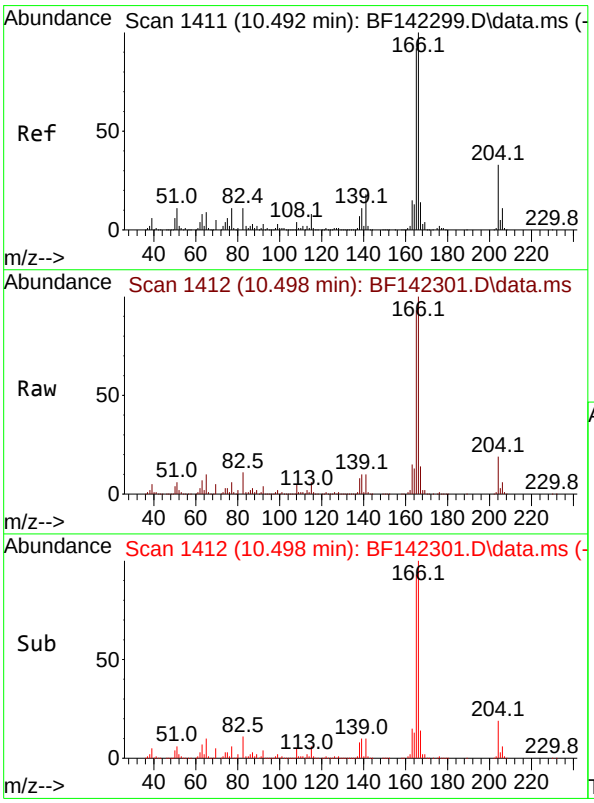
#57
2,4-Dinitrotoluene
Concen: 69.171 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:165 Resp: 430311

Ion	Ratio	Lower	Upper
165	100		
63	47.6	37.1	55.7
89	69.8	54.4	81.6
182	2.7	2.2	3.2

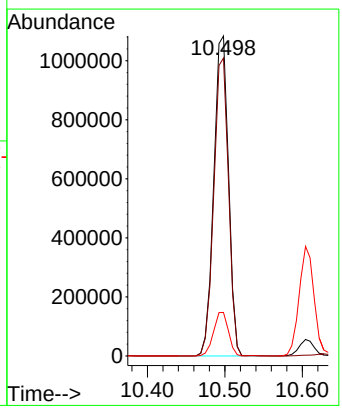


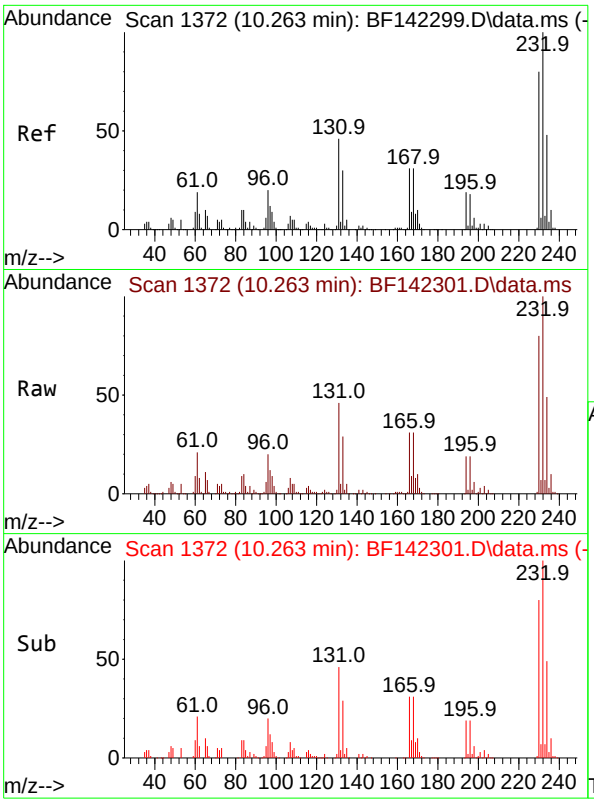


#58
Fluorene
Concen: 54.944 ng
RT: 10.498 min Scan# 1412
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:166 Resp: 1432119

Ion	Ratio	Lower	Upper
166	100		
165	93.1	74.0	111.0
167	13.6	10.9	16.3



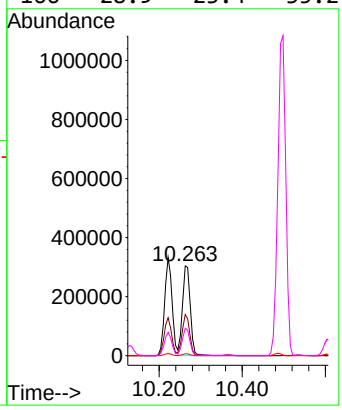


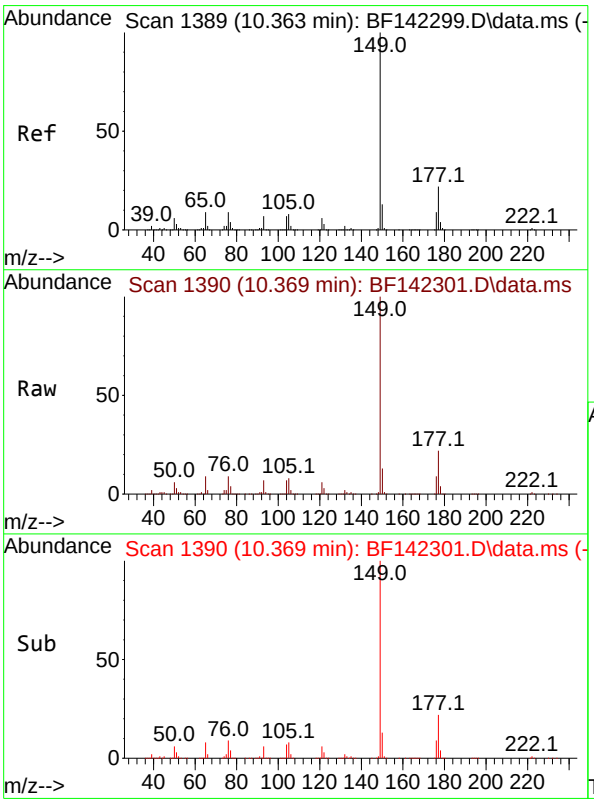
#59
2,3,4,6-Tetrachlorophenol
Concen: 63.842 ng
RT: 10.263 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:232 Resp: 398607

Ion	Ratio	Lower	Upper
232	100		
131	43.2	36.0	54.0
130	2.0	1.8	2.6
166	28.9	23.4	35.2

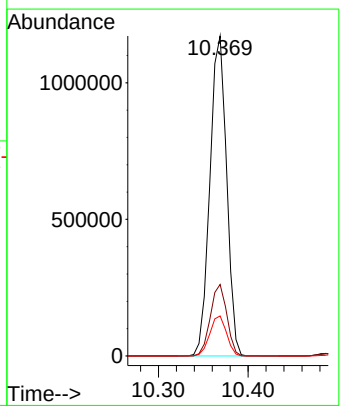


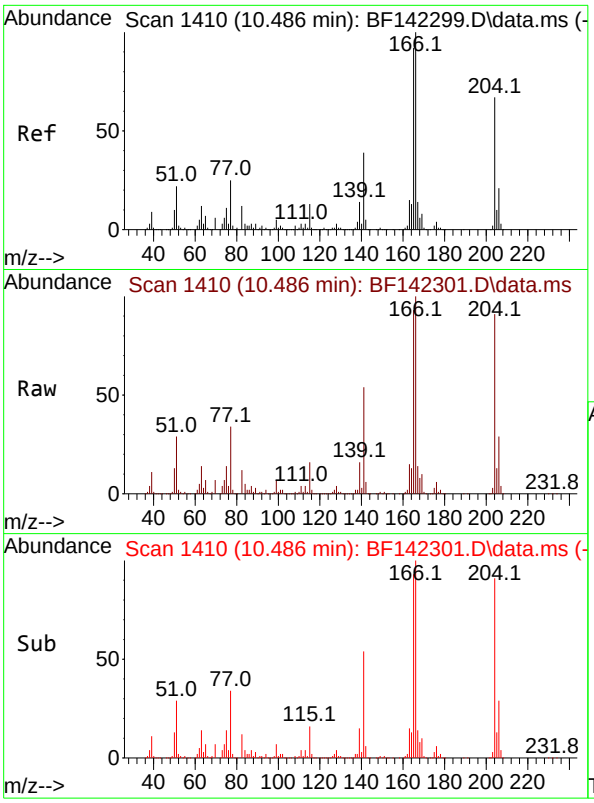


#60
Diethylphthalate
Concen: 58.568 ng
RT: 10.369 min Scan# 1390
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:149 Resp: 1515452

Ion	Ratio	Lower	Upper
149	100		
177	22.4	17.6	26.4
150	12.5	10.1	15.1



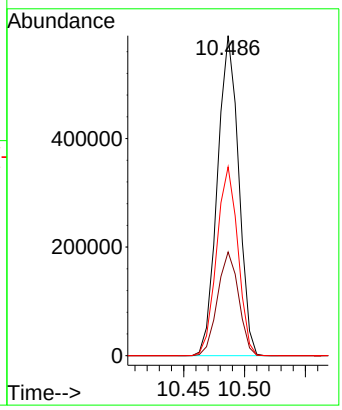


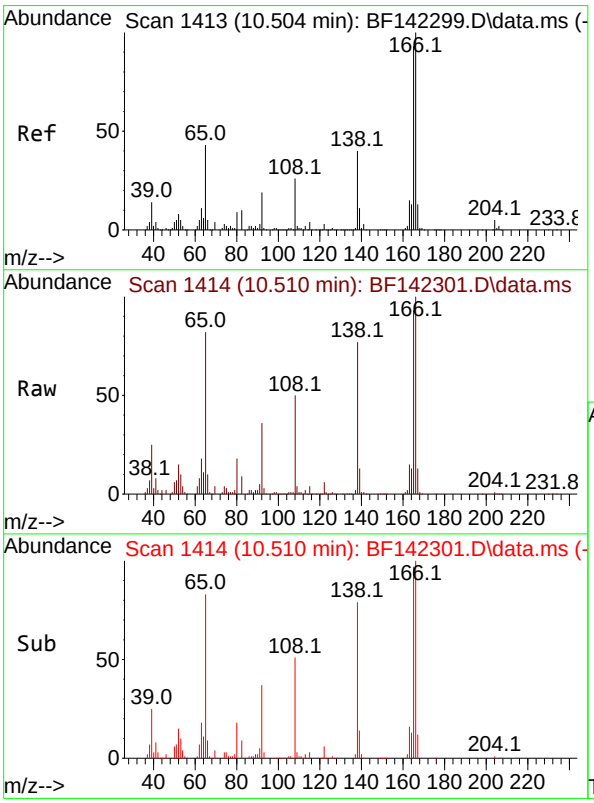
#61
4-Chlorophenyl-phenylether
Concen: 56.782 ng
RT: 10.486 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:204 Resp: 714047

Ion	Ratio	Lower	Upper
204	100		
206	32.4	25.5	38.3
141	59.0	46.4	69.6

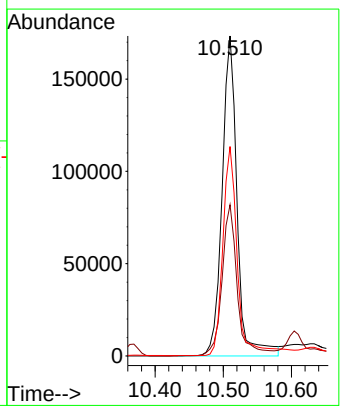


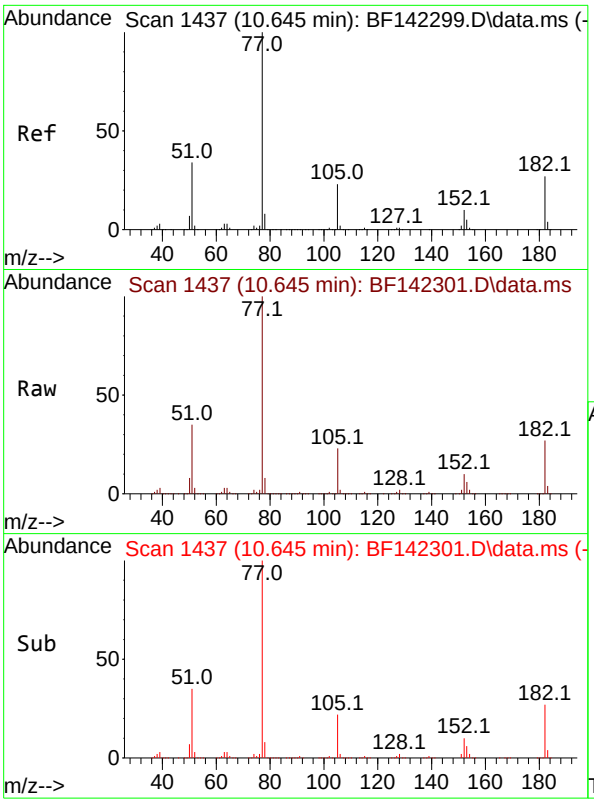


#62
4-Nitroaniline
Concen: 58.823 ng
RT: 10.510 min Scan# 1414
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:138 Resp: 265178

Ion	Ratio	Lower	Upper
138	100		
92	47.3	27.3	67.3
108	65.4	45.1	85.1



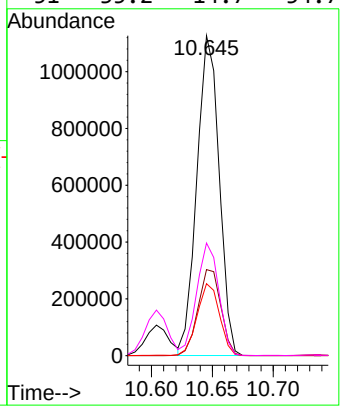


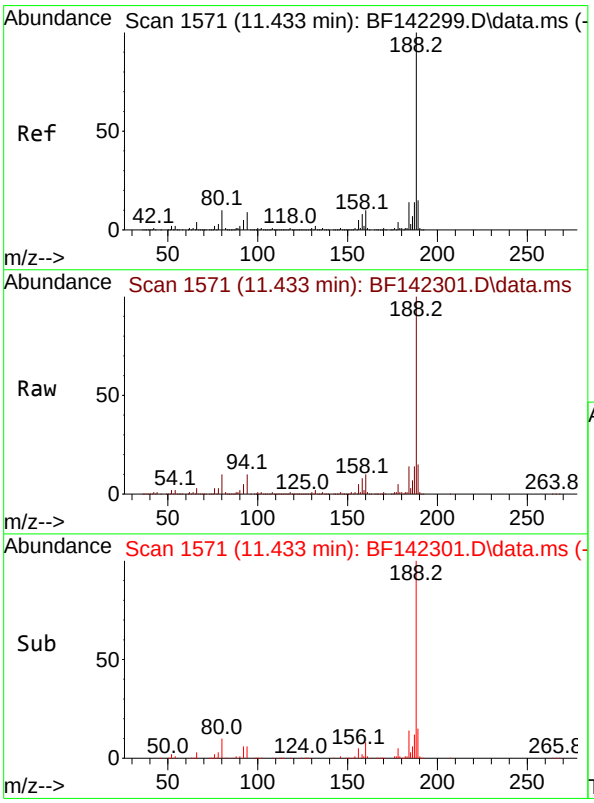
#63
Azobenzene
Concen: 58.009 ng
RT: 10.645 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 77 Resp: 1434293

Ion	Ratio	Lower	Upper
77	100		
182	26.9	6.9	46.9
105	22.5	2.7	42.7
51	35.2	14.7	54.7

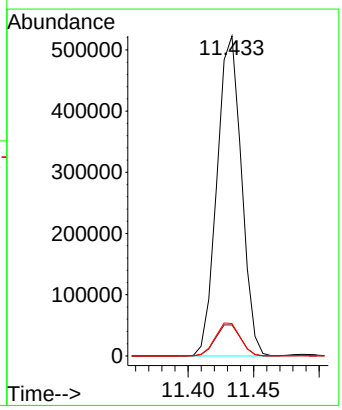


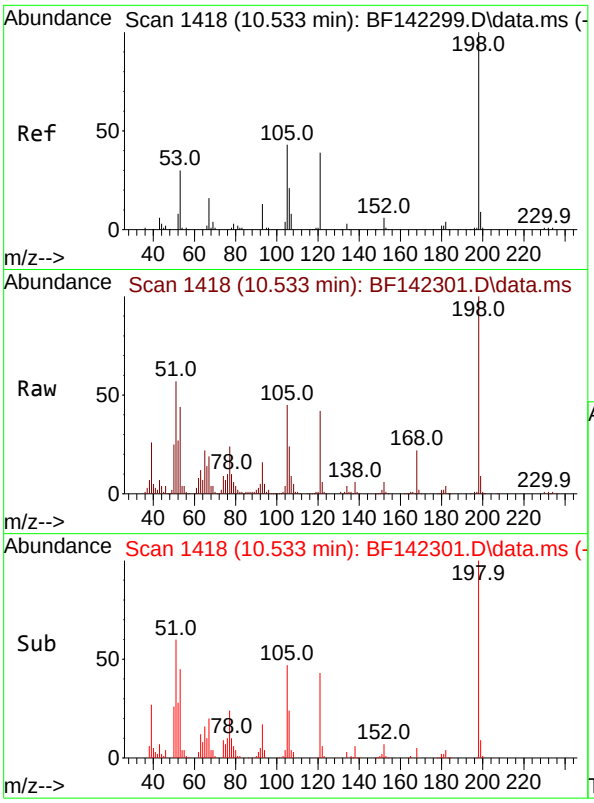


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:188 Resp: 678705

Ion	Ratio	Lower	Upper
188	100		
94	9.7	7.5	11.3
80	10.1	7.9	11.9



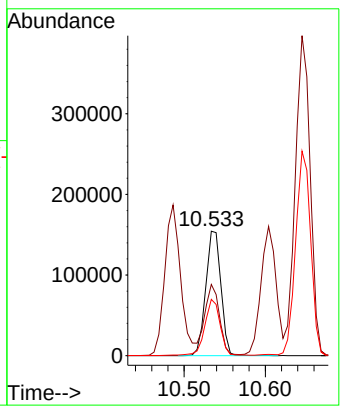


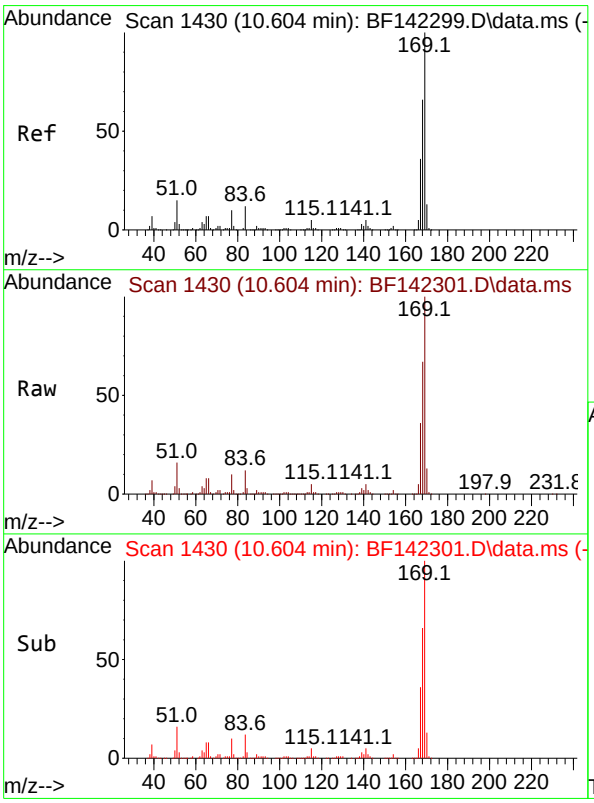
#65
4,6-Dinitro-2-methylphenol
Concen: 60.816 ng
RT: 10.533 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:198 Resp: 199546

Ion	Ratio	Lower	Upper
198	100		
51	57.2	32.9	72.9
105	45.3	23.7	63.7

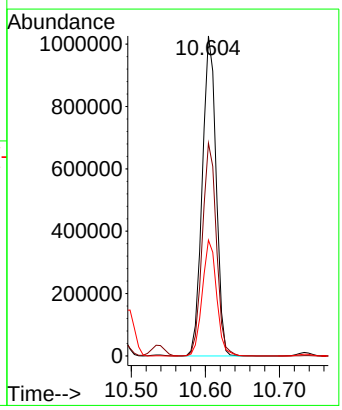


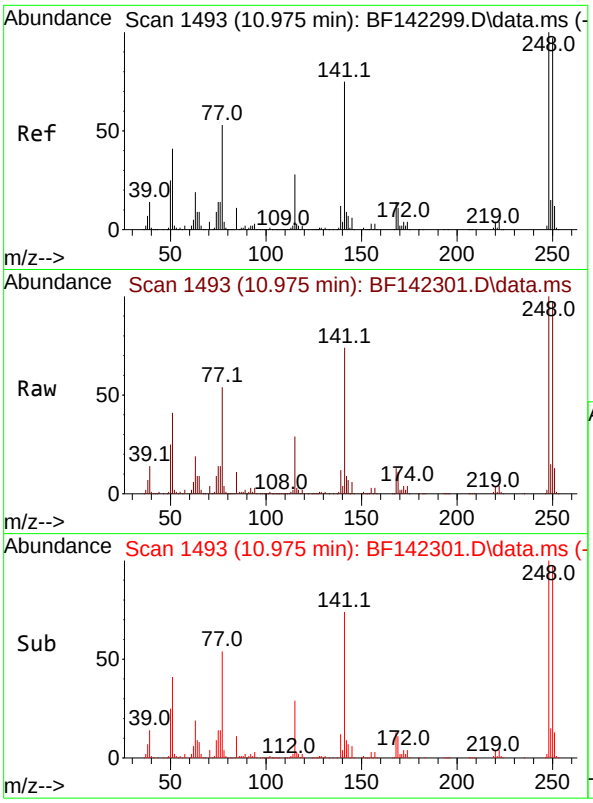


#66
n-Nitrosodiphenylamine
Concen: 58.927 ng
RT: 10.604 min Scan# 1430
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:169 Resp: 1330840

Ion	Ratio	Lower	Upper
169	100		
168	66.5	53.2	79.8
167	36.2	28.9	43.3



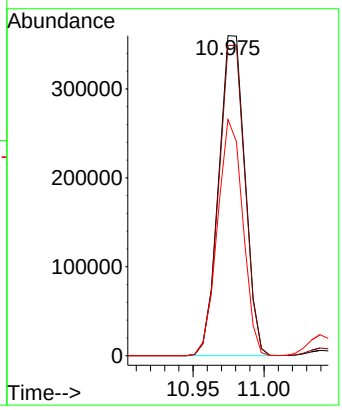


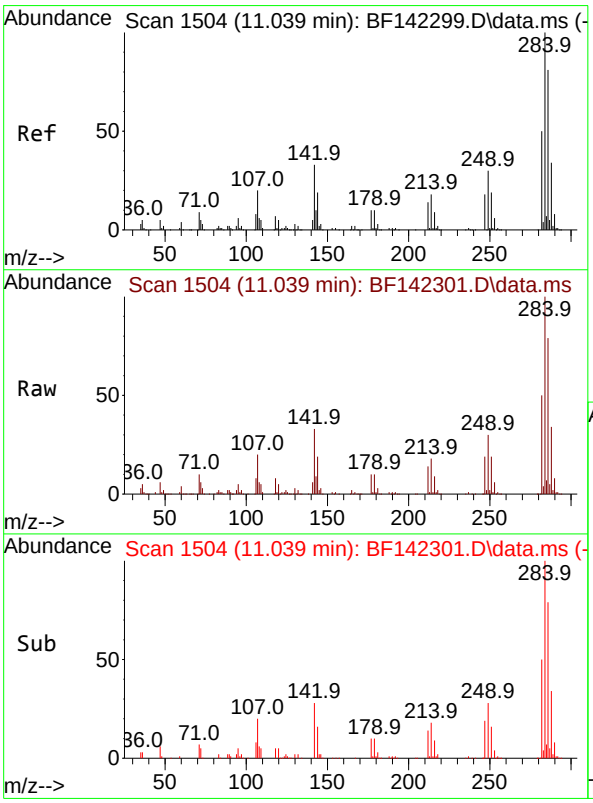
#67
4-Bromophenyl-phenylether
Concen: 60.048 ng
RT: 10.975 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:248 Resp: 461892

Ion	Ratio	Lower	Upper
248	100		
250	96.9	77.9	116.9
141	73.8	59.8	89.8

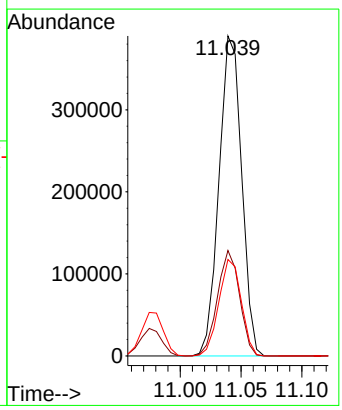


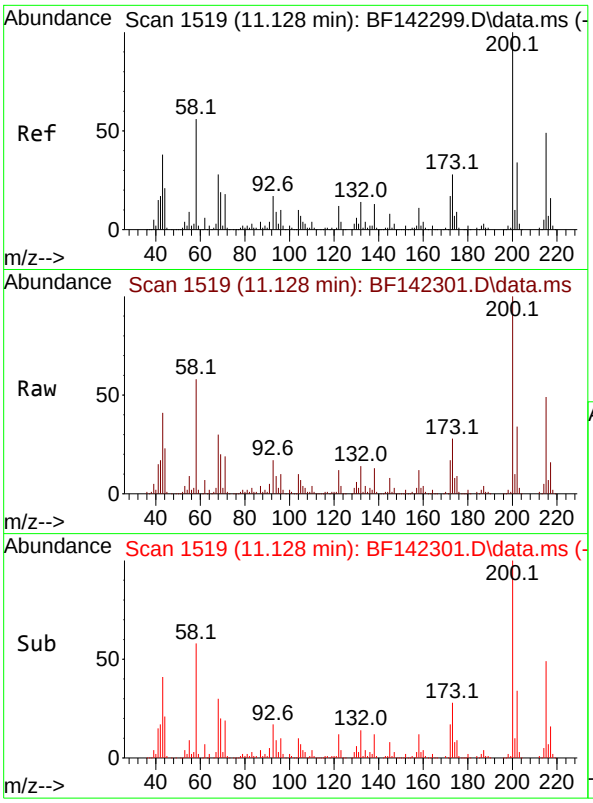


#68
Hexachlorobenzene
Concen: 59.625 ng
RT: 11.039 min Scan# 1504
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:284 Resp: 504486

Ion	Ratio	Lower	Upper
284	100		
142	33.0	26.6	39.8
249	30.2	24.1	36.1



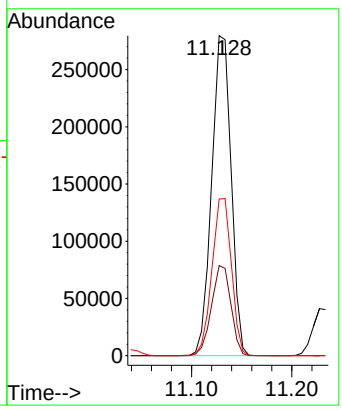


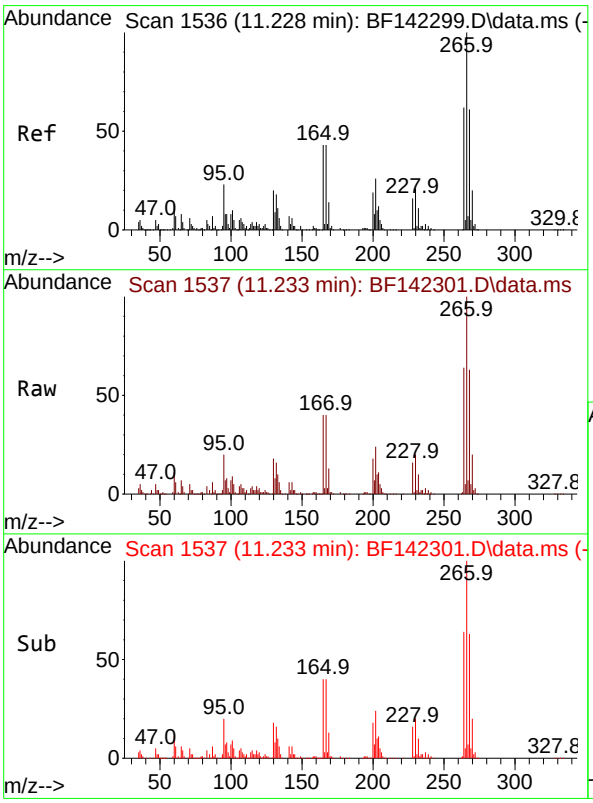
#69
Atrazine
Concen: 63.169 ng
RT: 11.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:200 Resp: 376071

Ion	Ratio	Lower	Upper
200	100		
173	28.2	8.1	48.1
215	48.9	28.8	68.8

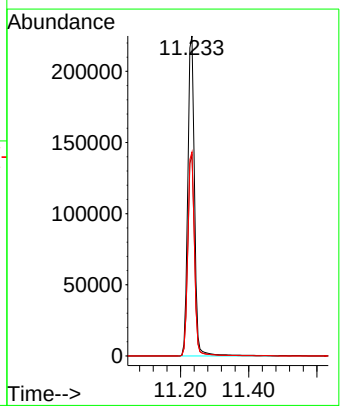


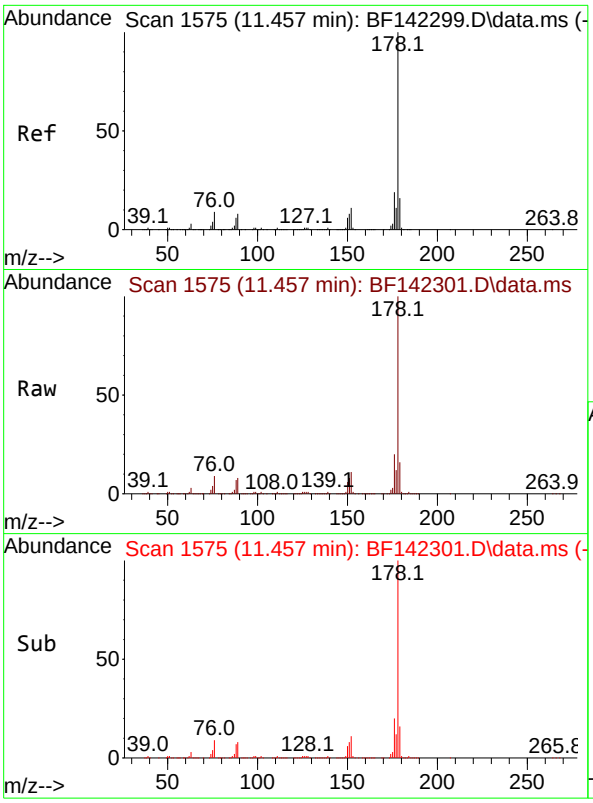


#70
Pentachlorophenol
Concen: 68.419 ng
RT: 11.233 min Scan# 1537
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:266 Resp: 304541

Ion	Ratio	Lower	Upper
266	100		
268	63.0	48.7	73.1
264	63.7	49.8	74.6



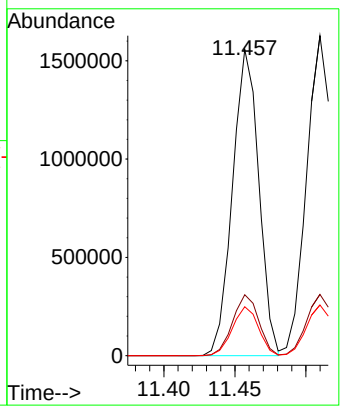


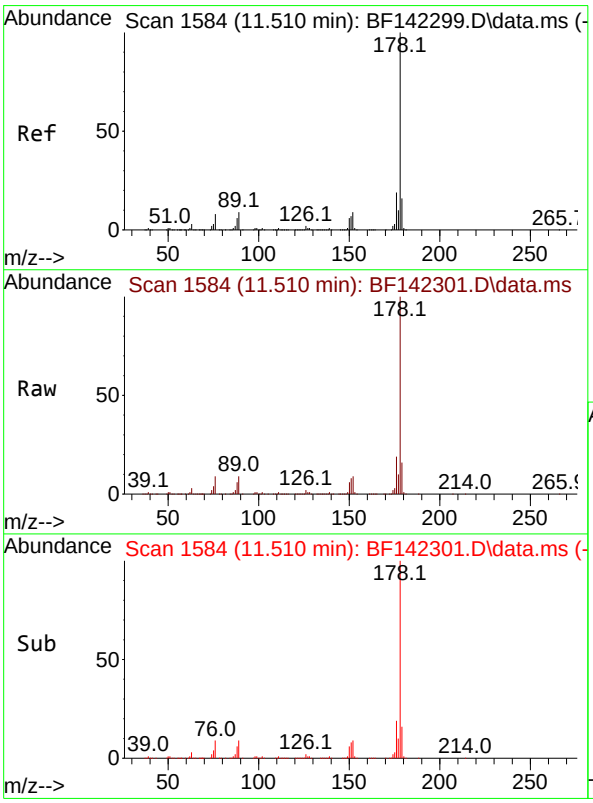
#71
Phenanthrene
Concen: 56.475 ng
RT: 11.457 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:178 Resp: 2009150

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.5	23.3
179	16.0	12.6	18.8

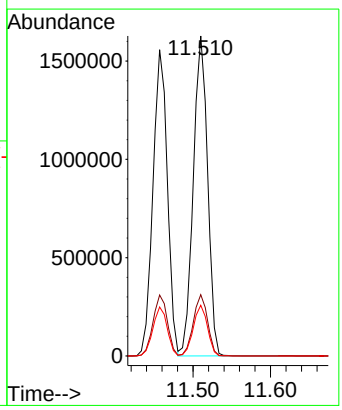


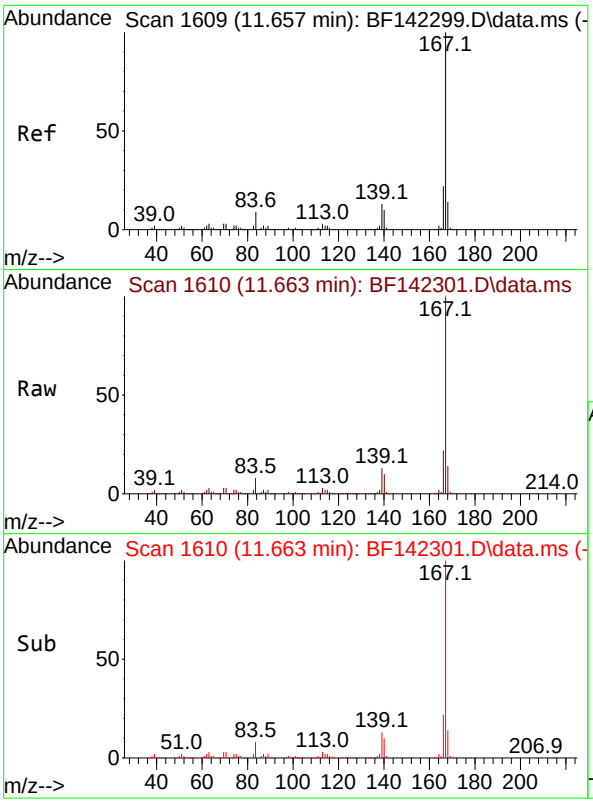


#72
Anthracene
Concen: 56.980 ng
RT: 11.510 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:178 Resp: 2082880

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.9	12.6	18.8



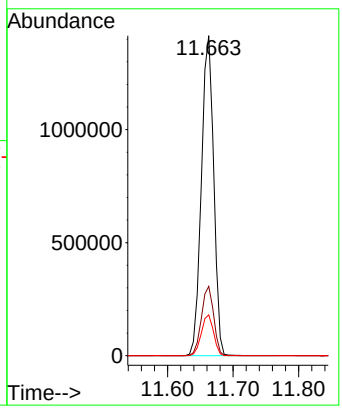


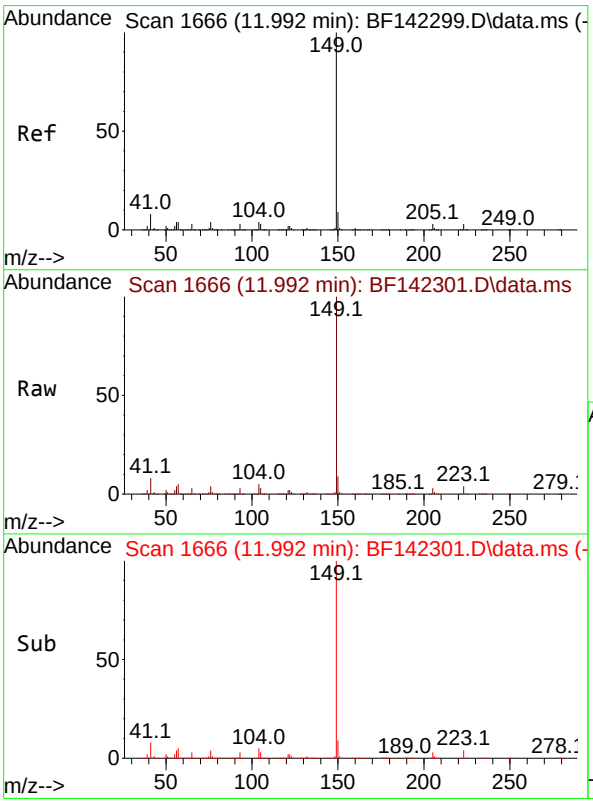
#73
Carbazole
Concen: 56.538 ng
RT: 11.663 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:167 Resp: 1854181

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.2	25.8
139	12.8	10.3	15.5

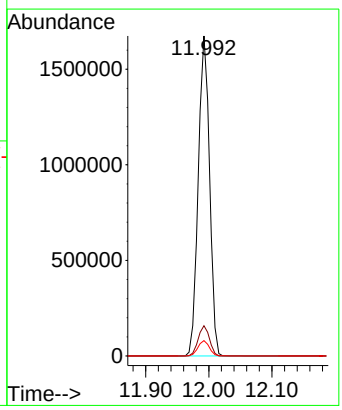


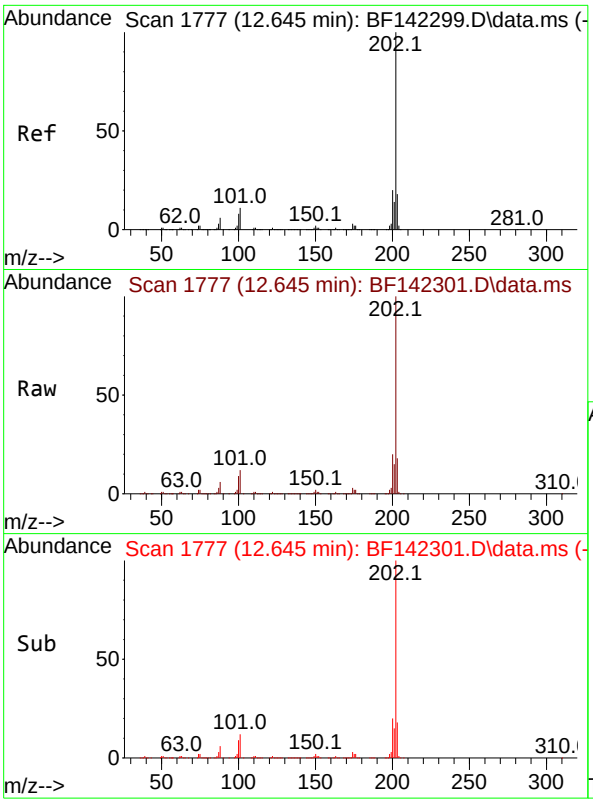


#74
Di-n-butylphthalate
Concen: 60.137 ng
RT: 11.992 min Scan# 1666
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:149 Resp: 2073826

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	4.8	3.6	5.4



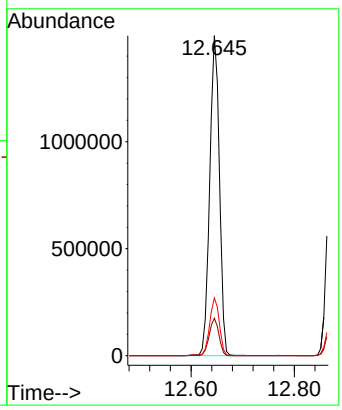


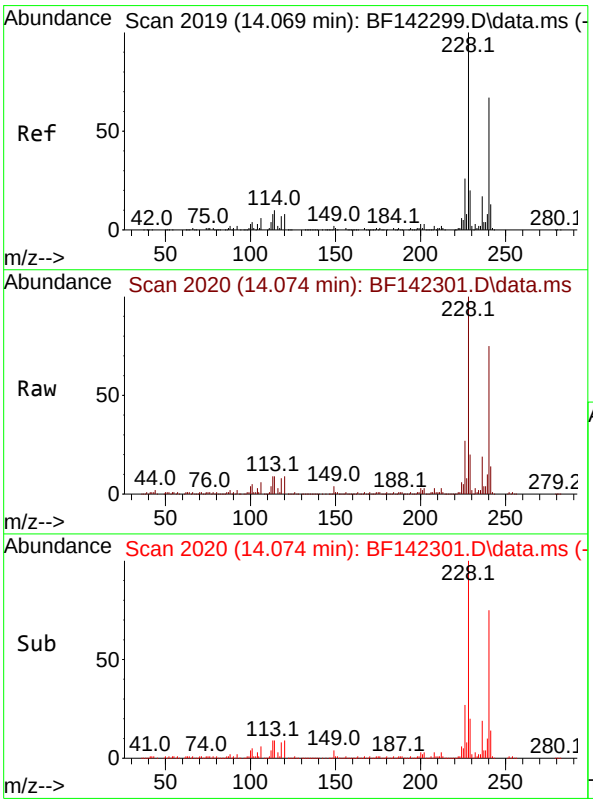
#75
Fluoranthene
Concen: 54.742 ng
RT: 12.645 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:202 Resp: 1946773

Ion	Ratio	Lower	Upper
202	100		
101	11.7	0.0	31.4
203	18.0	0.0	37.9

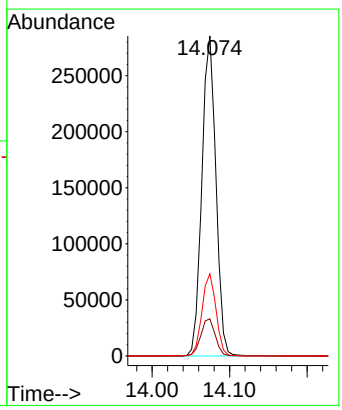


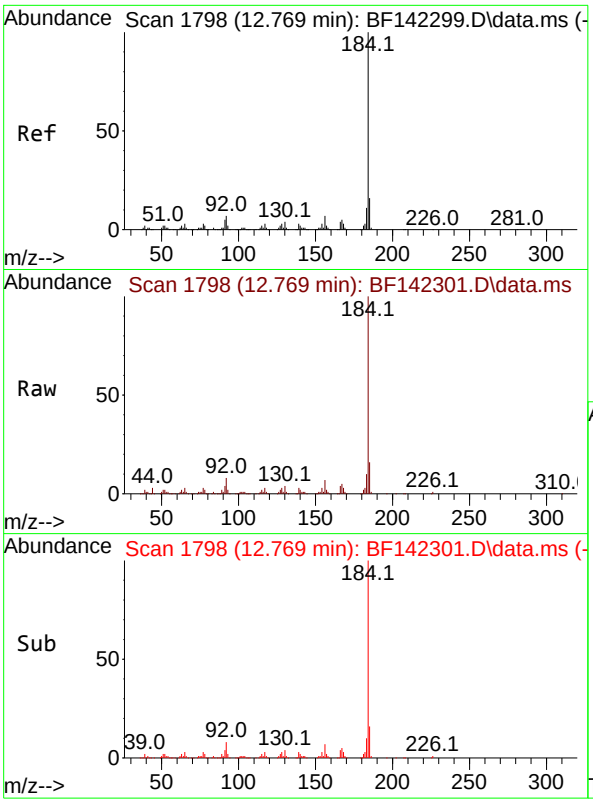


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:240 Resp: 358642

Ion	Ratio	Lower	Upper
240	100		
120	11.6	9.7	14.5
236	25.7	20.0	30.0



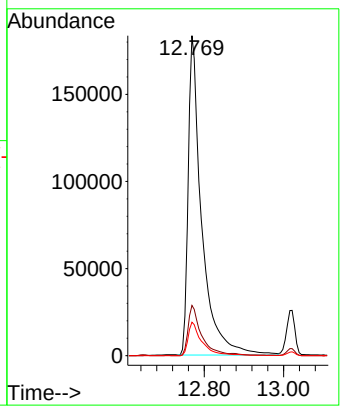


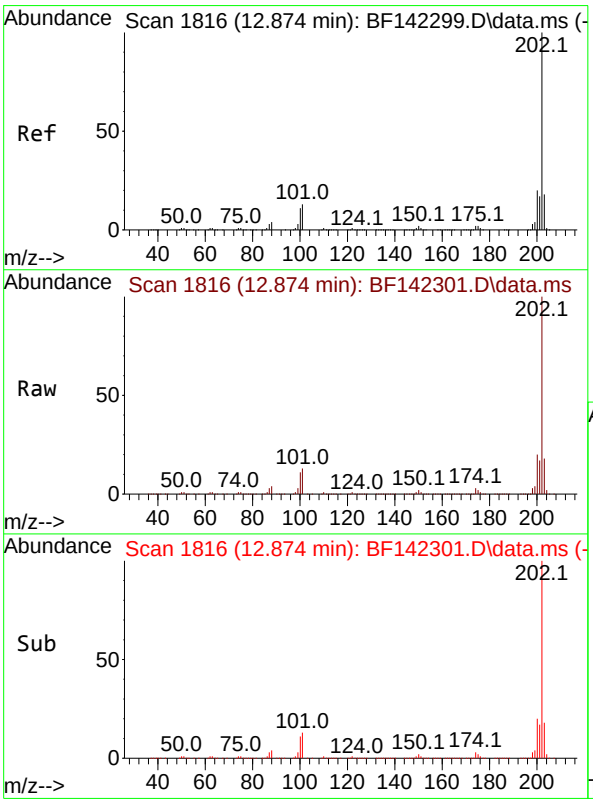
#77
Benzidine
Concen: 66.599 ng
RT: 12.769 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:184 Resp: 434063

Ion	Ratio	Lower	Upper
184	100		
185	15.7	12.6	18.8
183	10.5	8.6	12.8

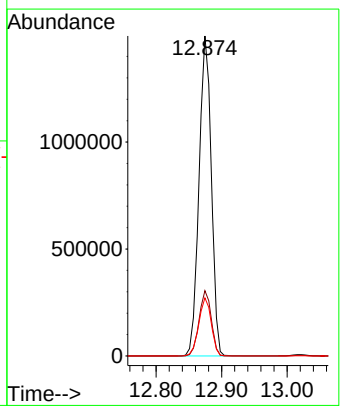


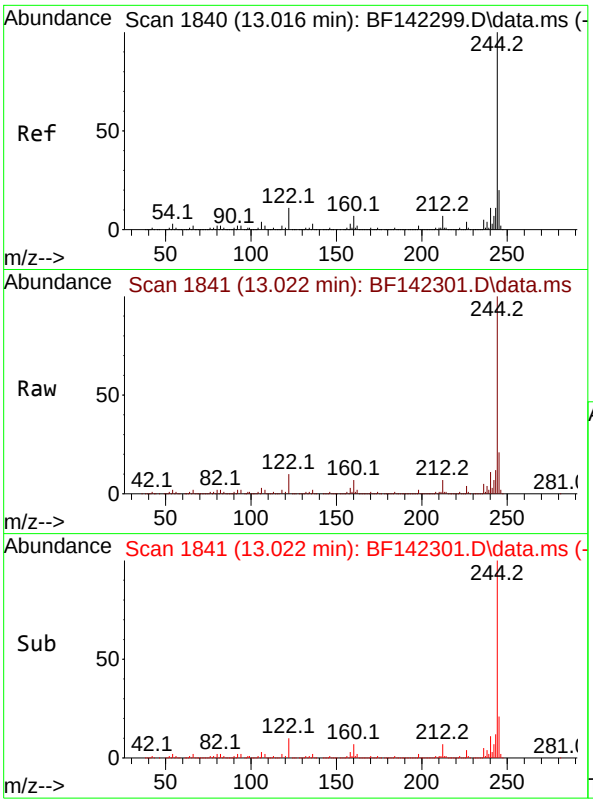


#78
Pyrene
Concen: 61.239 ng
RT: 12.874 min Scan# 1816
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:202 Resp: 1954922

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.2	24.4
203	18.2	14.3	21.5



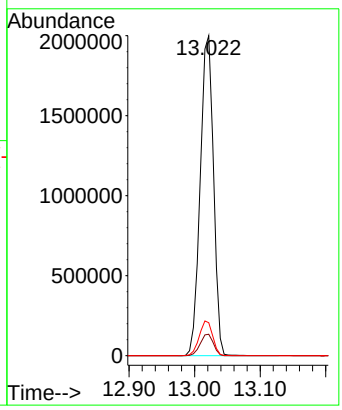


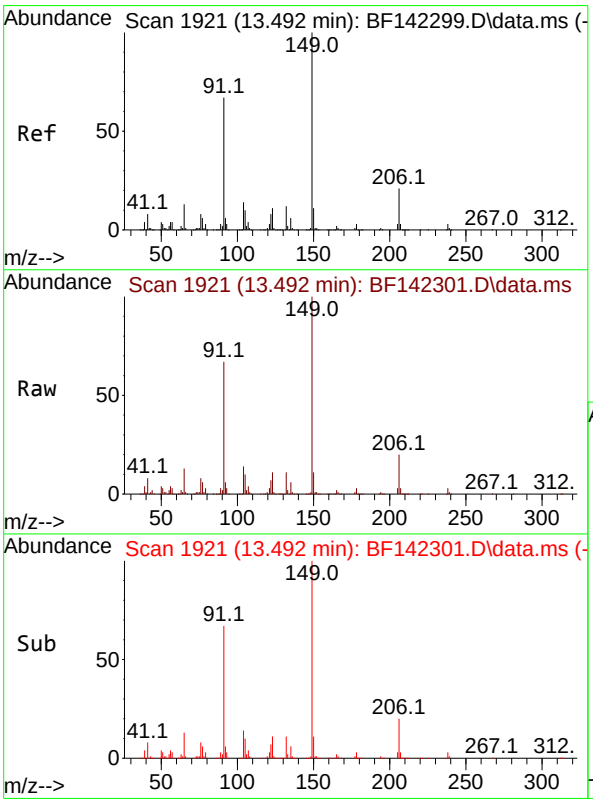
#79
Terphenyl-d14
Concen: 116.709 ng
RT: 13.022 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:244 Resp: 2827945

Ion	Ratio	Lower	Upper
244	100		
212	6.7	5.4	8.2
122	10.3	9.0	13.4

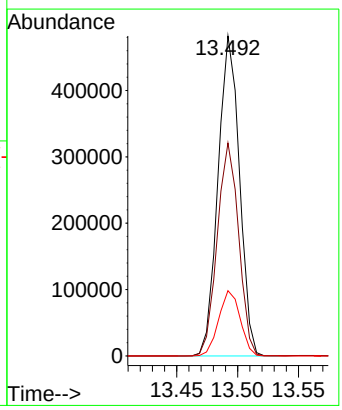


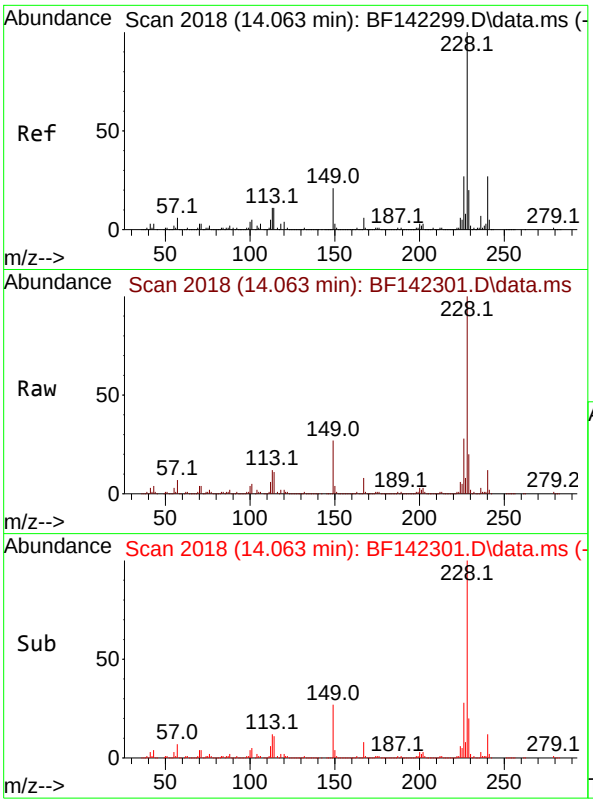


#80
Butylbenzylphthalate
Concen: 62.274 ng
RT: 13.492 min Scan# 1921
Delta R.T. 0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:149 Resp: 591132

Ion	Ratio	Lower	Upper
149	100		
91	66.6	53.8	80.6
206	20.4	16.6	24.8



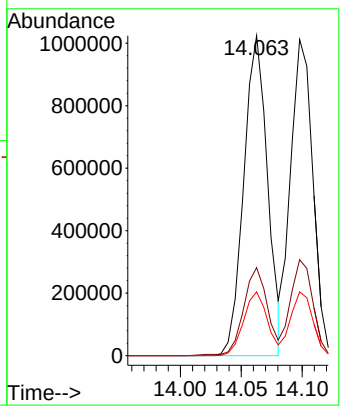


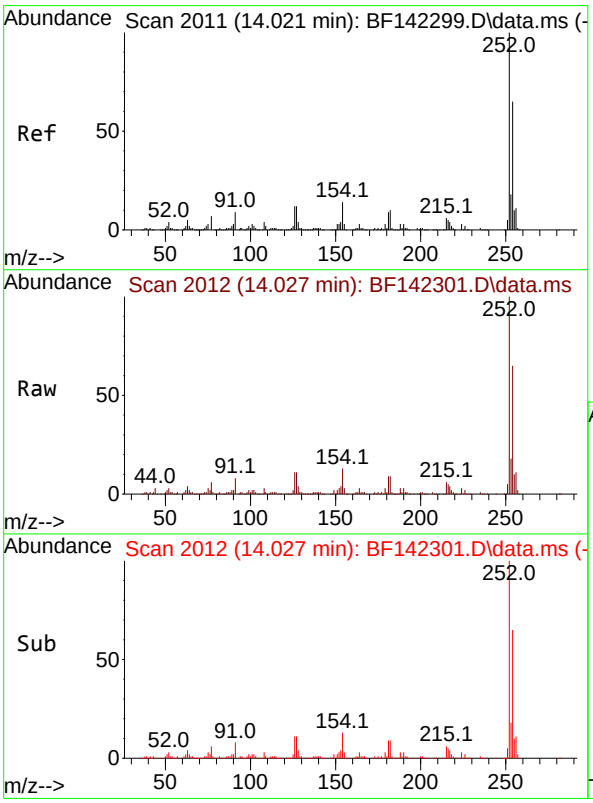
#81
Benzo(a)anthracene
Concen: 60.043 ng
RT: 14.063 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 1394561

Ion	Ratio	Lower	Upper
228	100		
226	27.5	21.5	32.3
229	20.0	15.9	23.9

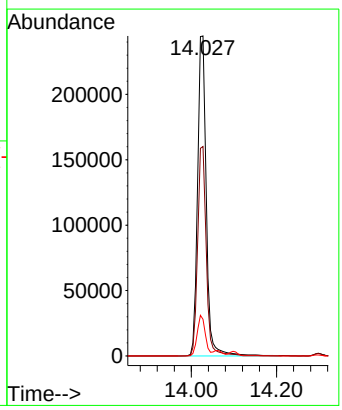


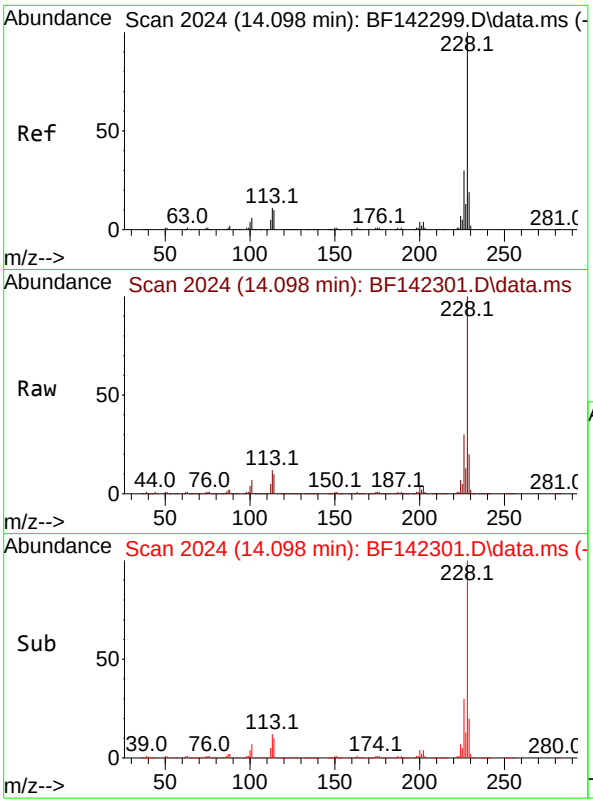


#82
3,3'-Dichlorobenzidine
Concen: 64.332 ng
RT: 14.027 min Scan# 2012
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:252 Resp: 347469

Ion	Ratio	Lower	Upper
252	100		
254	65.5	52.0	78.0
126	11.4	9.7	14.5



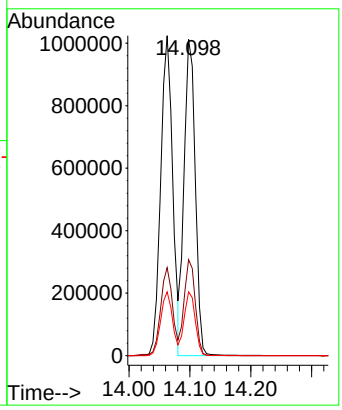


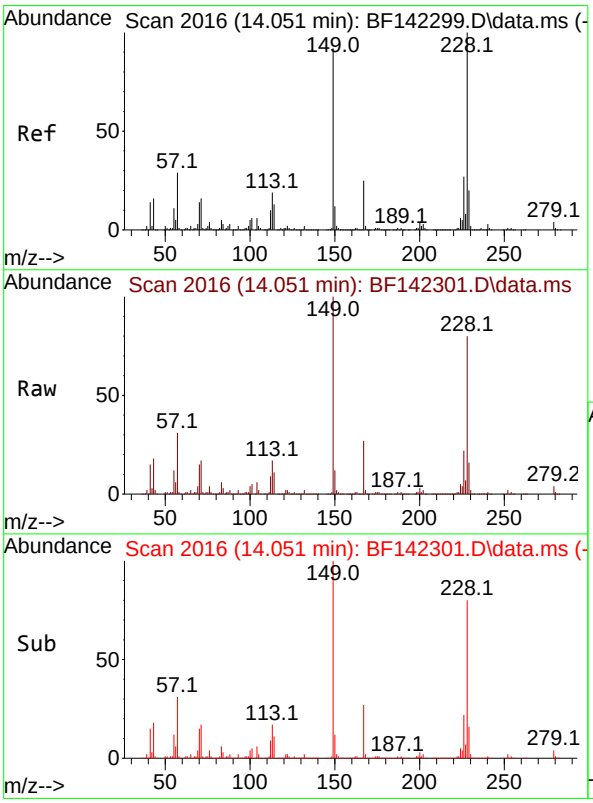
#83
Chrysene
Concen: 59.838 ng
RT: 14.098 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 1293807

Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.9	35.9
229	20.2	15.4	23.2

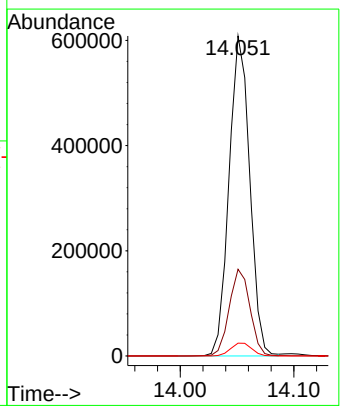


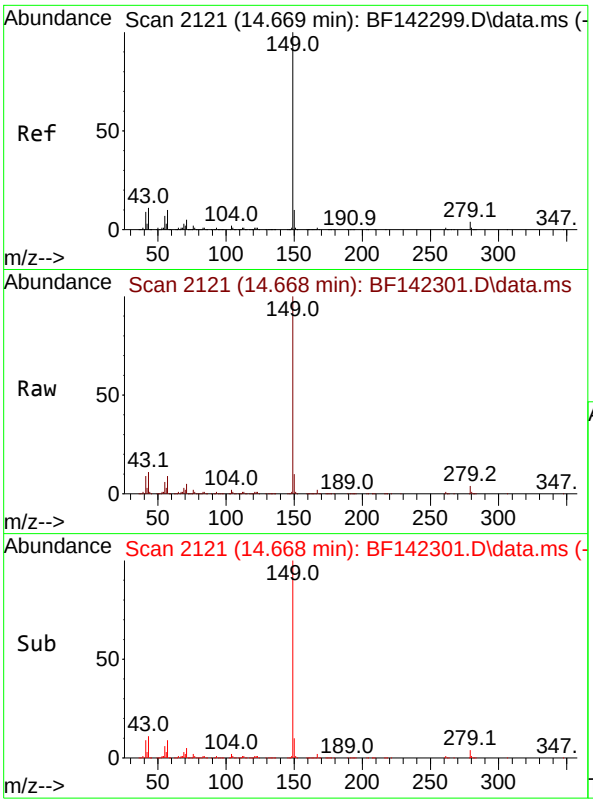


#84
Bis(2-ethylhexyl)phthalate
Concen: 62.098 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:149 Resp: 769940

Ion	Ratio	Lower	Upper
149	100		
167	27.1	22.0	33.0
279	4.0	3.0	4.6



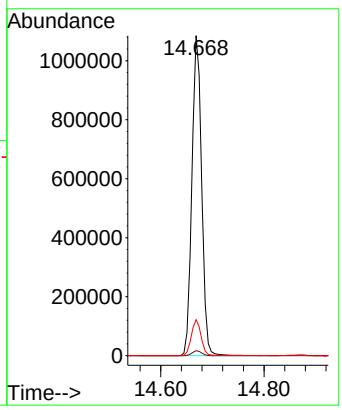


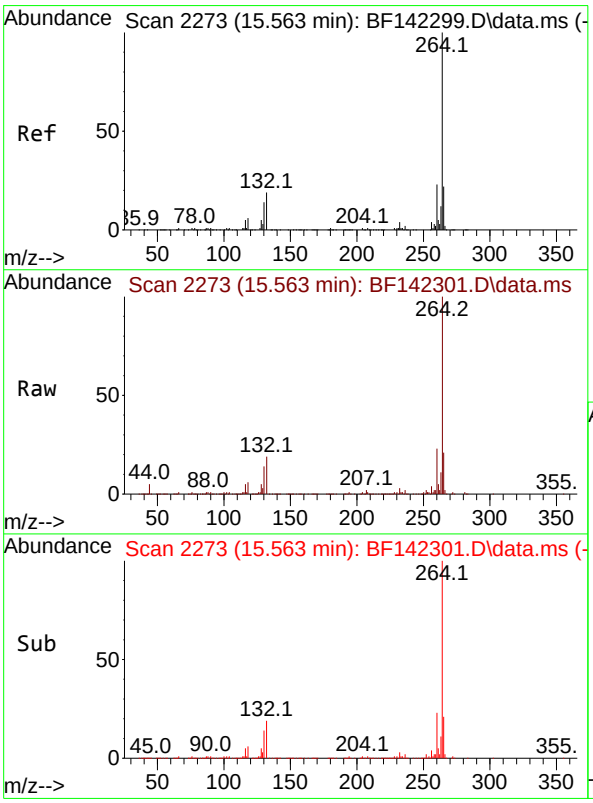
#85
Di-n-octyl phthalate
Concen: 61.963 ng
RT: 14.668 min Scan# 21
Delta R.T. -0.001 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:149 Resp: 1414997

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	11.3	9.2	13.8

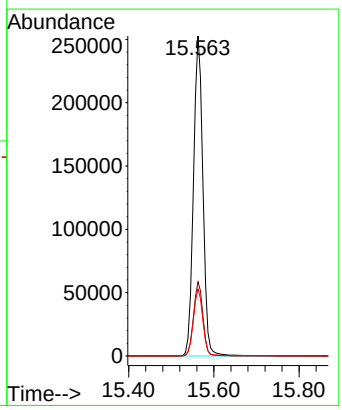


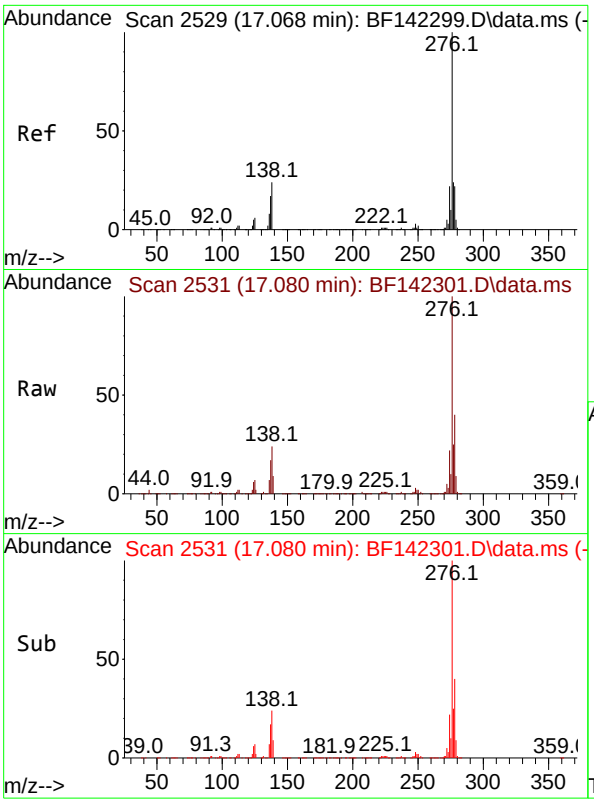


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2273
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:264 Resp: 387967

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	27.8
265	20.9	17.5	26.3



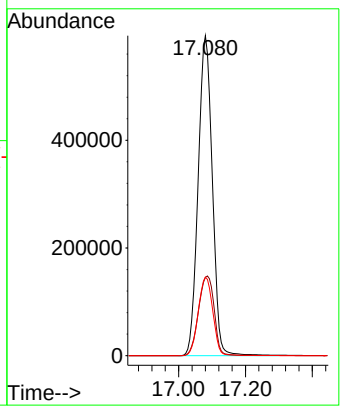


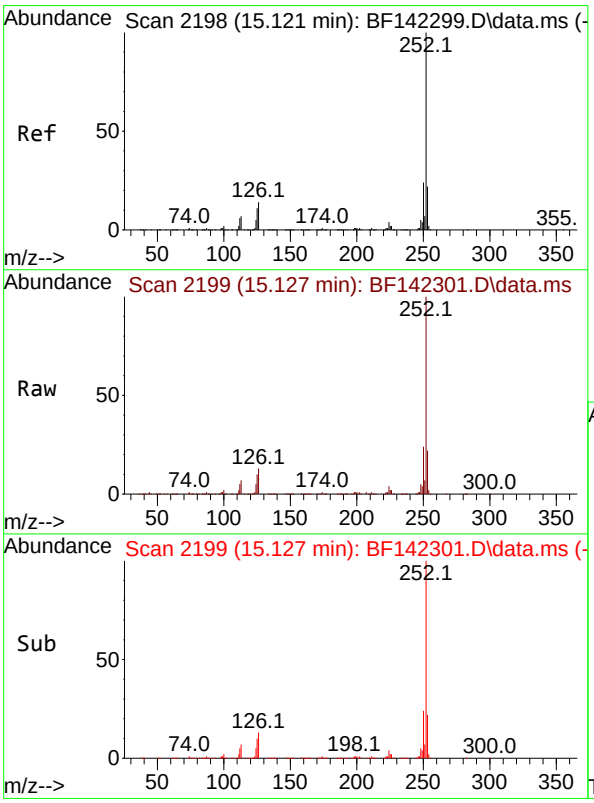
#87
Indeno(1,2,3-cd)pyrene
Concen: 64.842 ng
RT: 17.080 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:276 Resp: 1749961

Ion	Ratio	Lower	Upper
276	100		
138	27.6	22.0	33.0
277	25.3	20.1	30.1

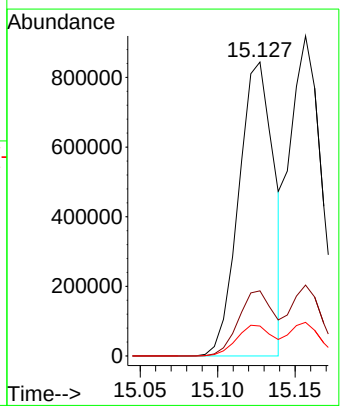


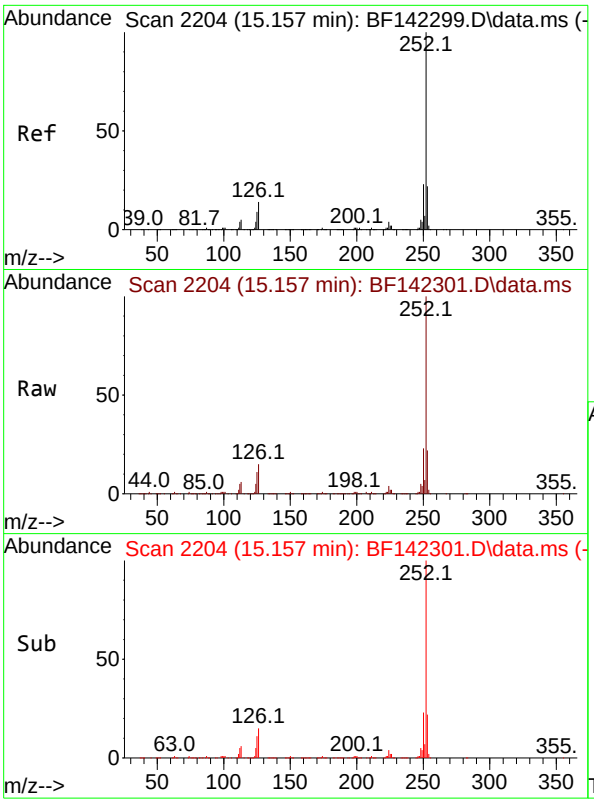


#88
Benzo(b)fluoranthene
Concen: 56.551 ng
RT: 15.127 min Scan# 2199
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:252 Resp: 1328806

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	10.2	8.7	13.1



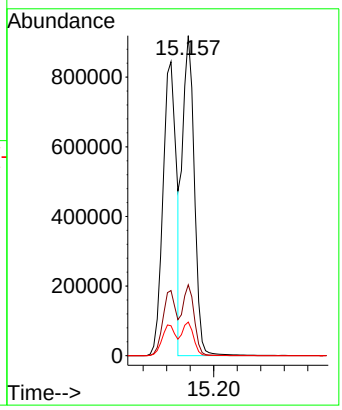


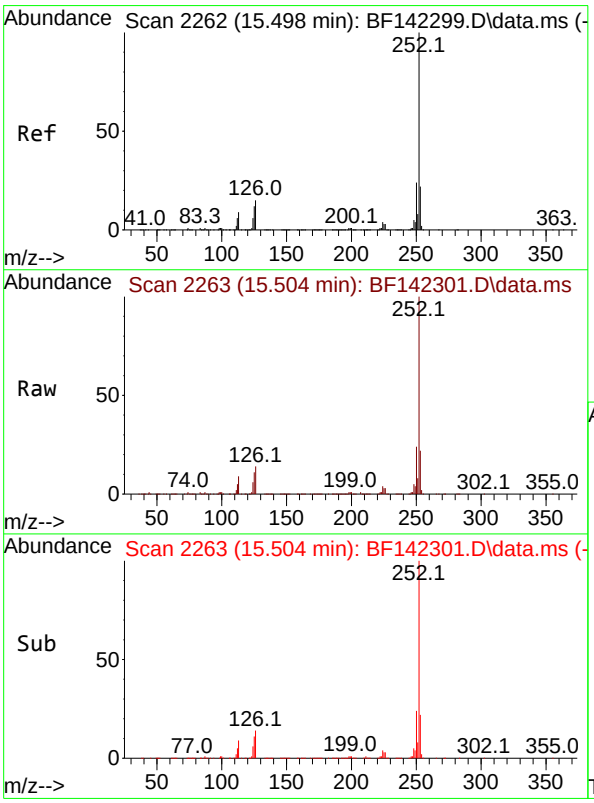
#89
Benzo(k)fluoranthene
Concen: 60.288 ng
RT: 15.157 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:252 Resp: 1296375

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	10.5	8.1	12.1

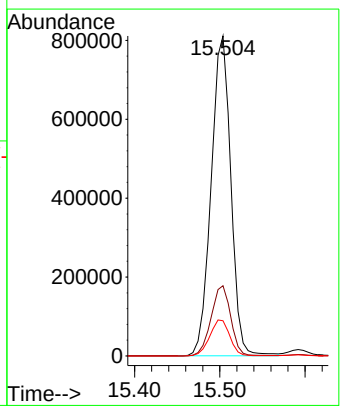


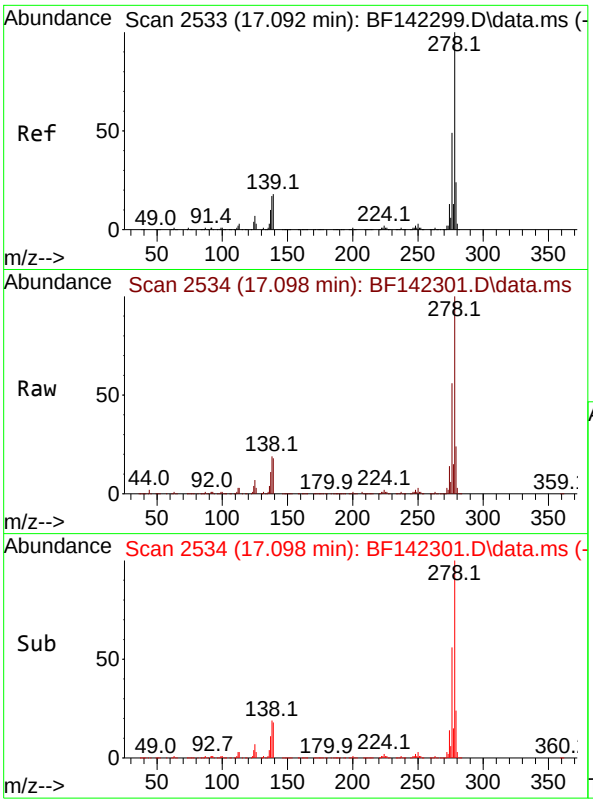


#90
Benzo(a)pyrene
Concen: 61.838 ng
RT: 15.504 min Scan# 2263
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:252 Resp: 1302088

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.6
125	11.0	9.4	14.0



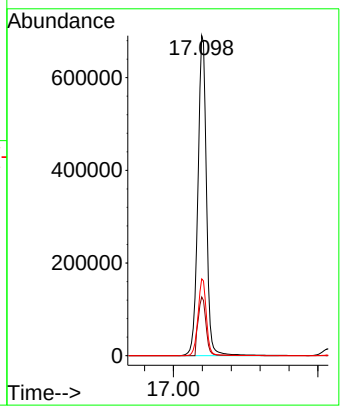


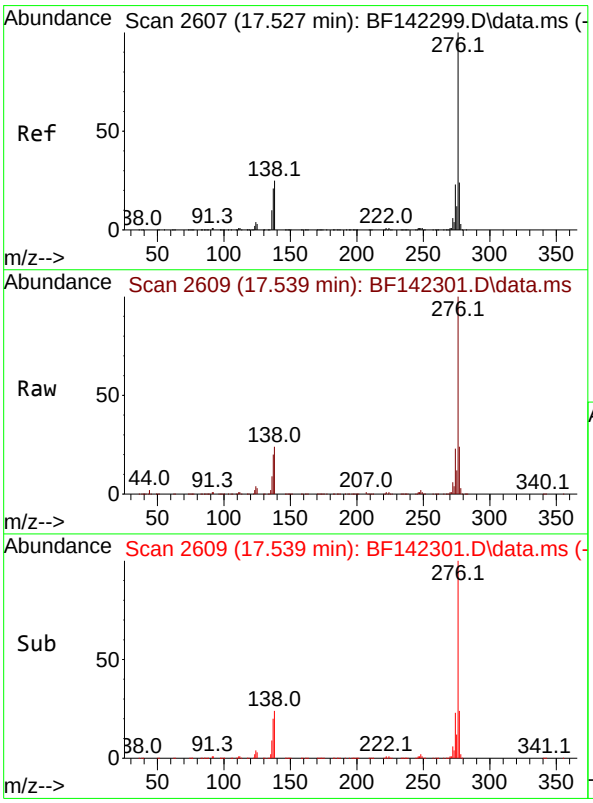
#91
Dibenzo(a,h)anthracene
Concen: 63.902 ng
RT: 17.098 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:278 Resp: 1424781

Ion	Ratio	Lower	Upper
278	100		
139	18.4	14.5	21.7
279	24.0	18.9	28.3

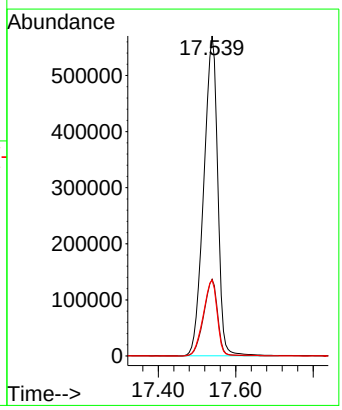




#92
Benzo(g,h,i)perylene
Concen: 64.444 ng
RT: 17.539 min Scan# 2609
Delta R.T. 0.012 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Tgt Ion:276 Resp: 1426095

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.0	28.6
138	23.6	19.8	29.6



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142302.D
Acq On : 05 May 2025 17:15
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: May 05 18:39:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:17:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.910	152	205452	20.000	ng		0.00
21) Naphthalene-d8	8.192	136	801101	20.000	ng		0.00
39) Acenaphthene-d10	9.945	164	414811	20.000	ng		0.00
64) Phenanthrene-d10	11.433	188	679241	20.000	ng		0.00
76) Chrysene-d12	14.074	240	373928	20.000	ng		0.00
86) Perylene-d12	15.562	264	426614	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.516	112	1784288	148.254	ng		0.00
7) Phenol-d6	6.534	99	2195377	148.311	ng		0.01
23) Nitrobenzene-d5	7.481	82	2128583	162.047	ng		0.01
42) 2,4,6-Tribromophenol	10.739	330	652850	163.012	ng		0.00
45) 2-Fluorobiphenyl	9.269	172	3617174	124.337	ng		0.00
79) Terphenyl-d14	13.021	244	3360156	133.004	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.687	88	419794	77.457	ng		100
3) Pyridine	3.457	79	1043726	82.025	ng		99
4) n-Nitrosodimethylamine	3.422	42	579736	78.391	ng		99
6) Aniline	6.575	93	1209360	83.294	ng		100
8) 2-Chlorophenol	6.692	128	1007022	78.300	ng		99
9) Benzaldehyde	6.457	77	435889	50.313	ng		99
10) Phenol	6.551	94	1223529	77.977	ng		96
11) bis(2-Chloroethyl)ether	6.645	93	1036576	66.991	ng		99
12) 1,3-Dichlorobenzene	6.851	146	1066308	72.470	ng		99
13) 1,4-Dichlorobenzene	6.928	146	1063540	71.991	ng		99
14) 1,2-Dichlorobenzene	7.081	146	1030293	72.657	ng		99
15) Benzyl Alcohol	7.051	79	799114	83.370	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.186	45	1679925	72.703	ng		99
17) 2-Methylphenol	7.157	107	803596	77.177	ng		98
18) Hexachloroethane	7.422	117	380705	77.452	ng		99
19) n-Nitroso-di-n-propyla...	7.334	70	688261	75.168	ng		97
20) 3+4-Methylphenols	7.316	107	921424	70.906	ng	#	89
22) Acetophenone	7.322	105	1245347	69.916	ng	#	94
24) Nitrobenzene	7.498	77	978534	79.029	ng		97
25) Isophorone	7.739	82	1916388	77.044	ng		100
26) 2-Nitrophenol	7.810	139	496348	80.172	ng		99
27) 2,4-Dimethylphenol	7.839	122	958602	76.651	ng		100
28) bis(2-Chloroethoxy)met...	7.939	93	1171369	73.236	ng		100
29) 2,4-Dichlorophenol	8.045	162	832329	78.283	ng		100
30) 1,2,4-Trichlorobenzene	8.133	180	868126	72.551	ng		99
31) Naphthalene	8.216	128	2675722	68.916	ng		99
32) Benzoic acid	7.975	122	595531	76.609	ng		99
33) 4-Chloroaniline	8.263	127	559381	35.308	ng		99
34) Hexachlorobutadiene	8.333	225	520499	73.460	ng		99
35) Caprolactam	8.651	113	213853	69.013	ng		97
36) 4-Chloro-3-methylphenol	8.739	107	840535	76.050	ng		100
37) 2-Methylnaphthalene	8.904	142	1669985	69.220	ng		98
38) 1-Methylnaphthalene	9.004	142	1714046	68.165	ng		99
40) 1,2,4,5-Tetrachloroben...	9.069	216	849773	73.349	ng		99
41) Hexachlorocyclopentadiene	9.057	237	612608	85.560	ng		100
43) 2,4,6-Trichlorophenol	9.180	196	605787	82.898	ng		99

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142302.D
Acq On : 05 May 2025 17:15
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: May 05 18:39:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:17:22 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.216	196	611514	78.648	ng		99
46) 1,1'-Biphenyl	9.369	154	2173202	68.328	ng		99
47) 2-Chloronaphthalene	9.398	162	1688751	71.397	ng		99
48) 2-Nitroaniline	9.486	65	547789	90.354	ng		98
49) Acenaphthylene	9.810	152	2763028	69.830	ng		98
50) Dimethylphthalate	9.675	163	1968431	73.901	ng		100
51) 2,6-Dinitrotoluene	9.733	165	437098	87.669	ng		93
52) Acenaphthene	9.986	154	1694020	71.203	ng		99
53) 3-Nitroaniline	9.904	138	510152	87.244	ng		96
54) 2,4-Dinitrophenol	10.004	184	210652	80.686	ng	#	3
55) Dibenzofuran	10.157	168	2410169	68.642	ng		98
56) 4-Nitrophenol	10.051	139	383978	87.250	ng		97
57) 2,4-Dinitrotoluene	10.133	165	566575	88.591	ng		99
58) Fluorene	10.498	166	1792549	66.896	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.269	232	520638	81.113	ng		98
60) Diethylphthalate	10.369	149	1909012	71.766	ng		99
61) 4-Chlorophenyl-phenyle...	10.486	204	888242	68.707	ng		98
62) 4-Nitroaniline	10.516	138	323923	69.894	ng		99
63) Azobenzene	10.651	77	1821504	71.660	ng		99
65) 4,6-Dinitro-2-methylph...	10.539	198	273917	80.746	ng		96
66) n-Nitrosodiphenylamine	10.610	169	1658390	73.372	ng		100
67) 4-Bromophenyl-phenylether	10.980	248	590568	76.716	ng		98
68) Hexachlorobenzene	11.045	284	650802	76.857	ng		96
69) Atrazine	11.133	200	476112	79.910	ng		99
70) Pentachlorophenol	11.233	266	390517	87.666	ng		97
71) Phenanthrene	11.463	178	2460275	69.101	ng		98
72) Anthracene	11.516	178	2518162	68.834	ng		99
73) Carbazole	11.663	167	2274167	69.290	ng		99
74) Di-n-butylphthalate	11.992	149	2521480	73.060	ng		99
75) Fluoranthene	12.645	202	2345160	65.892	ng		99
77) Benzidine	12.774	184	504643	74.263	ng		99
78) Pyrene	12.874	202	2325631	69.874	ng		99
80) Butylbenzylphthalate	13.492	149	788213	78.621	ng		99
81) Benzo(a)anthracene	14.063	228	1782801	73.621	ng		99
82) 3,3'-Dichlorobenzidine	14.027	252	474263	84.217	ng		99
83) Chrysene	14.104	228	1687889	74.873	ng		99
84) Bis(2-ethylhexyl)phtha...	14.051	149	1042846	79.404	ng		100
85) Di-n-octyl phthalate	14.668	149	1969676	80.100	ng		99
87) Indeno(1,2,3-cd)pyrene	17.086	276	2392344	80.614	ng		100
88) Benzo(b)fluoranthene	15.127	252	1972745	76.350	ng		99
89) Benzo(k)fluoranthene	15.162	252	1653244	69.919	ng		100
90) Benzo(a)pyrene	15.504	252	1797975	77.653	ng		100
91) Dibenzo(a,h)anthracene	17.109	278	1926135	78.562	ng		99
92) Benzo(g,h,i)perylene	17.551	276	1951121	80.182	ng		99

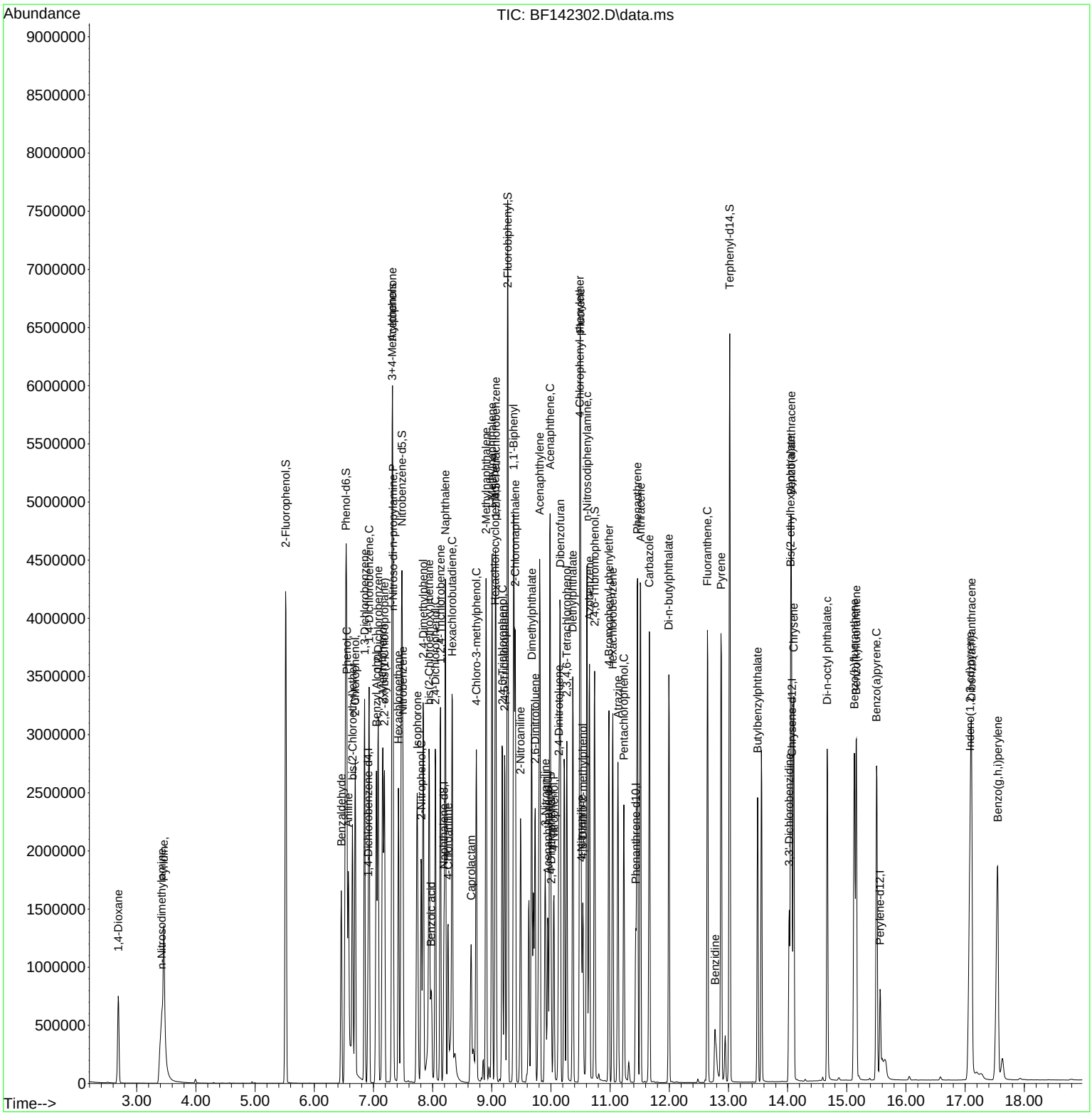
(#) = qualifier out of range (m) = manual integration (+) = signals summed

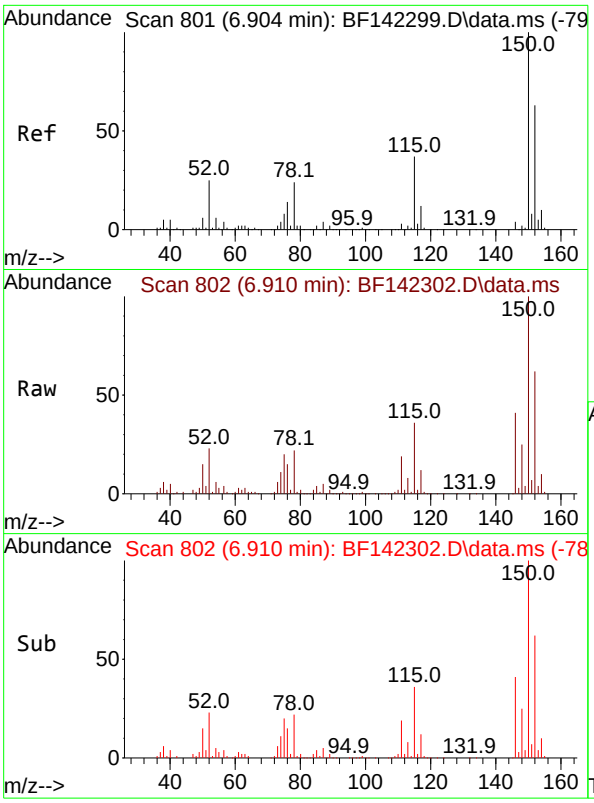
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142302.D
Acq On : 05 May 2025 17:15
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Quant Time: May 05 18:39:28 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:17:22 2025
Response via : Initial Calibration



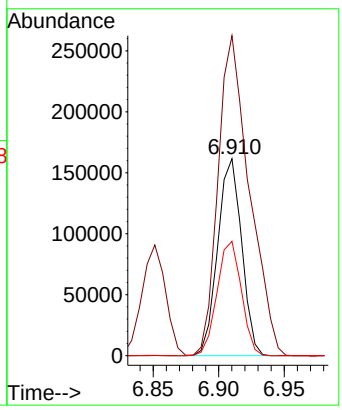


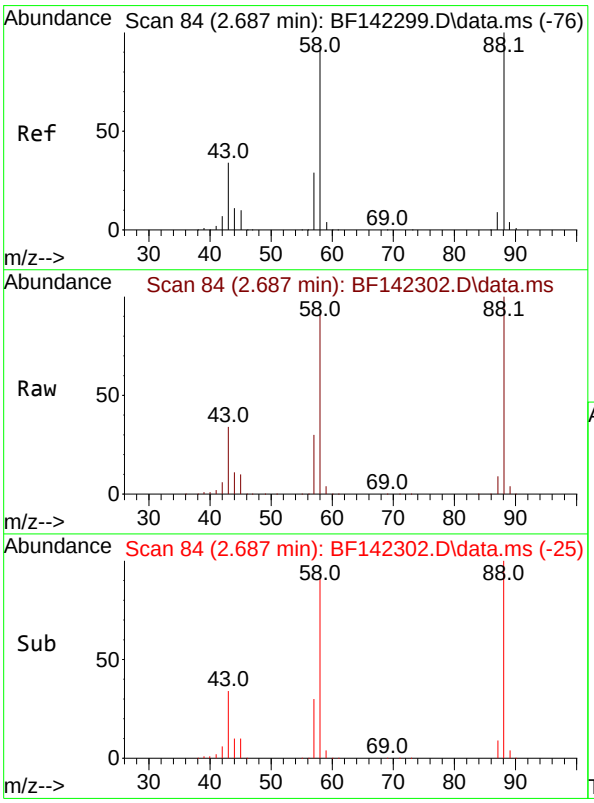
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.910 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 205452

Ion	Ratio	Lower	Upper
152	100		
150	162.5	126.6	190.0
115	58.1	47.3	70.9

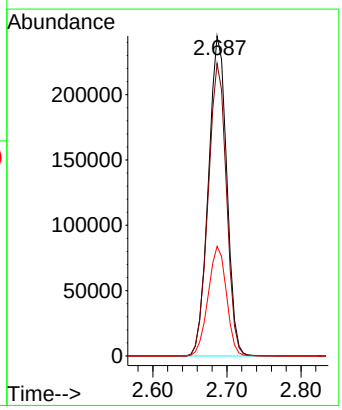


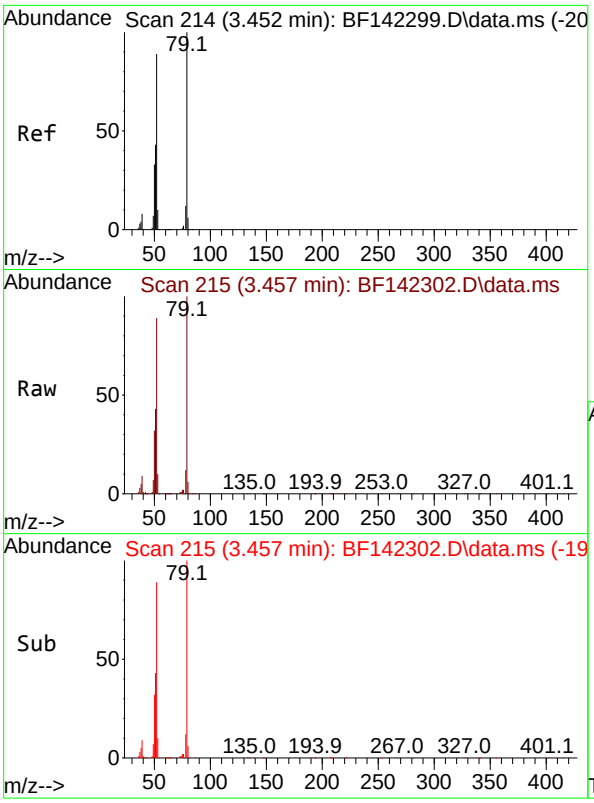


#2
1,4-Dioxane
Concen: 77.457 ng
RT: 2.687 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion: 88 Resp: 419794

Ion	Ratio	Lower	Upper
88	100		
58	91.0	73.0	109.4
43	34.2	27.8	41.6



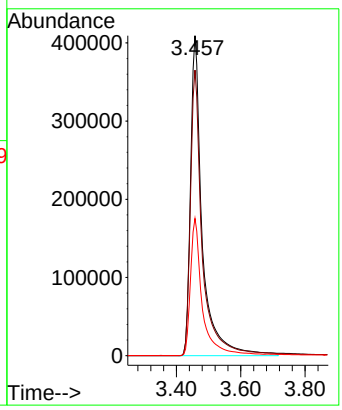


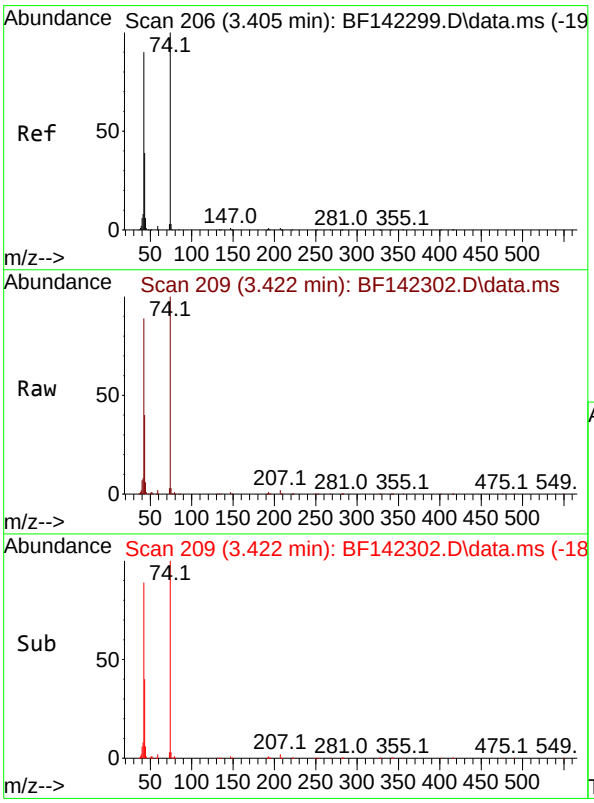
#3
Pyridine
Concen: 82.025 ng
RT: 3.457 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 1043726

Ion	Ratio	Lower	Upper
79	100		
52	89.3	71.0	106.4
51	42.9	34.9	52.3

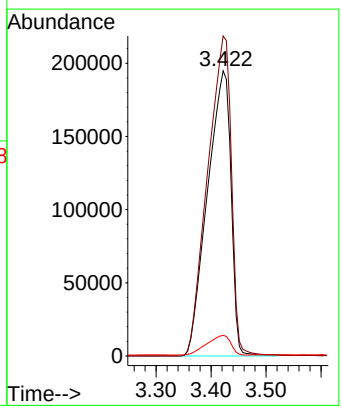


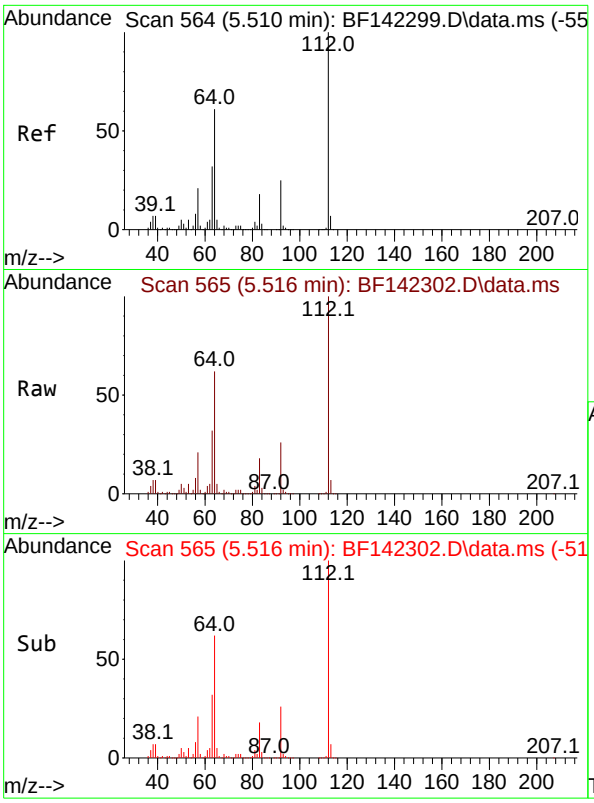


#4
n-Nitrosodimethylamine
Concen: 78.391 ng
RT: 3.422 min Scan# 209
Delta R.T. 0.017 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion: 42 Resp: 579736

Ion	Ratio	Lower	Upper
42	100		
74	112.3	88.5	132.7
44	7.3	5.8	8.8



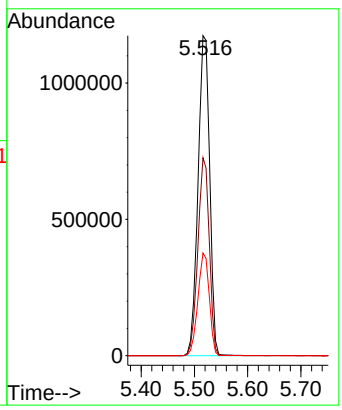


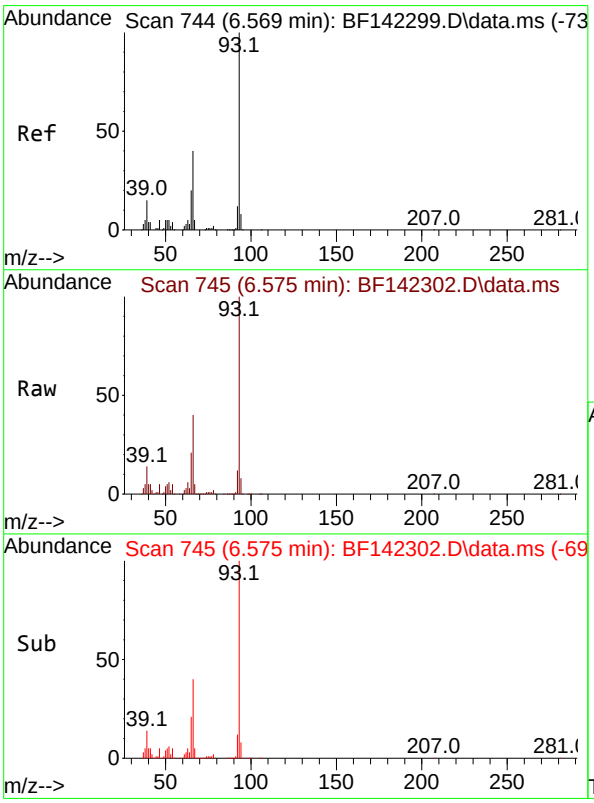
#5
2-Fluorophenol
Concen: 148.254 ng
RT: 5.516 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:112 Resp: 1784288

Ion	Ratio	Lower	Upper
112	100		
64	61.8	48.9	73.3
63	32.1	25.6	38.4

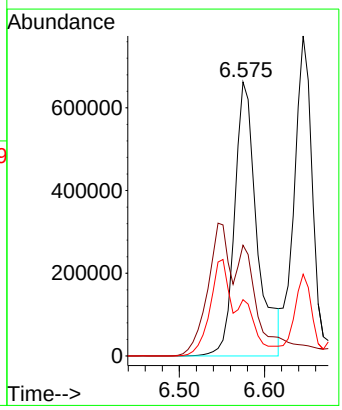


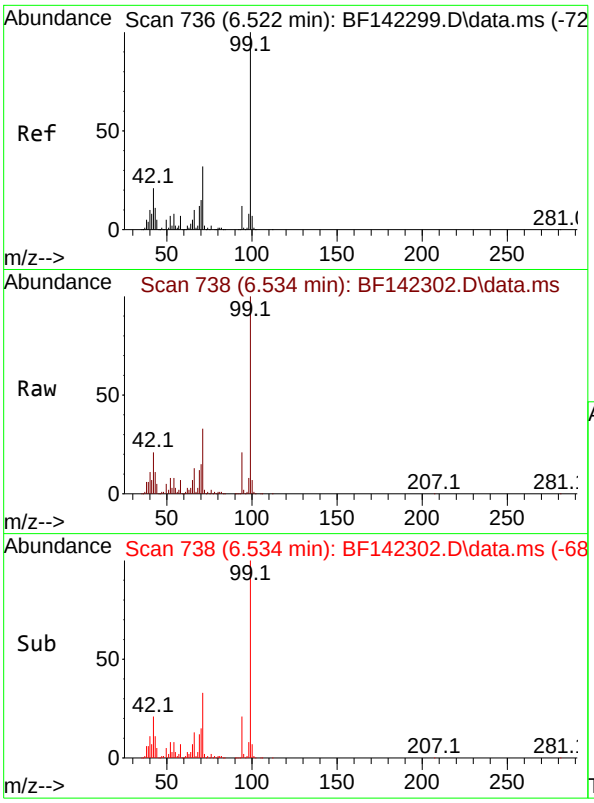


#6
Aniline
Concen: 83.294 ng
RT: 6.575 min Scan# 745
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion: 93 Resp: 1209360

Ion	Ratio	Lower	Upper
93	100		
66	40.4	32.2	48.4
65	20.6	16.3	24.5



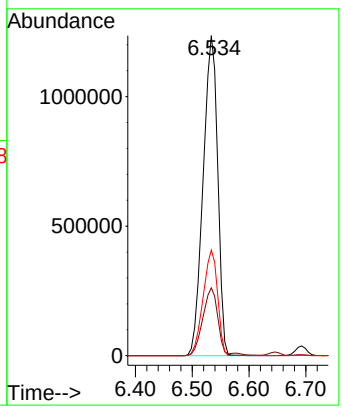


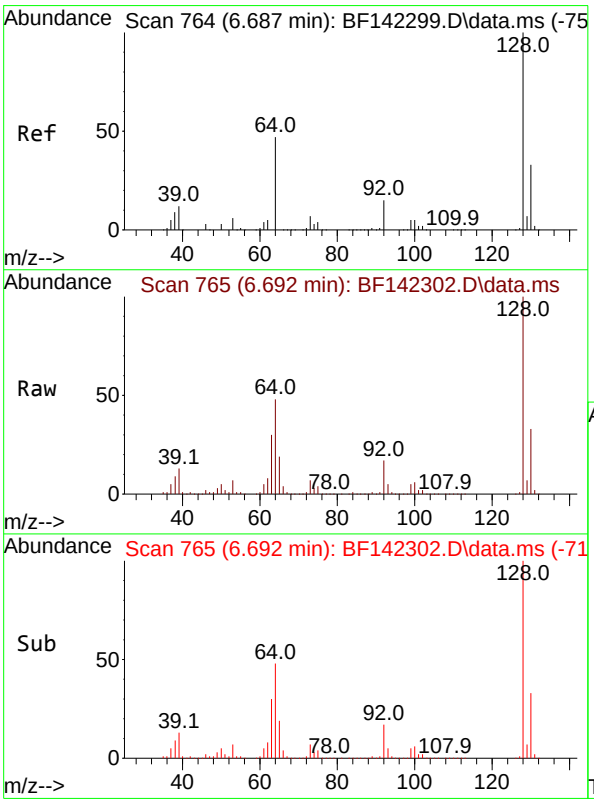
#7
Phenol-d6
Concen: 148.311 ng
RT: 6.534 min Scan# 7
Delta R.T. 0.012 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 99 Resp: 2195377

Ion	Ratio	Lower	Upper
99	100		
42	21.2	17.0	25.4
71	33.0	25.8	38.8

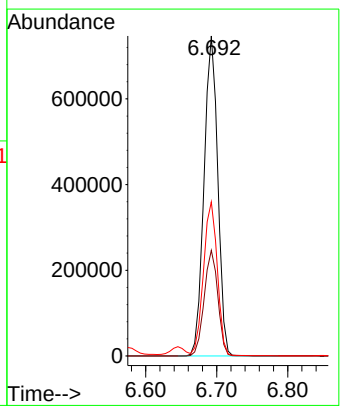


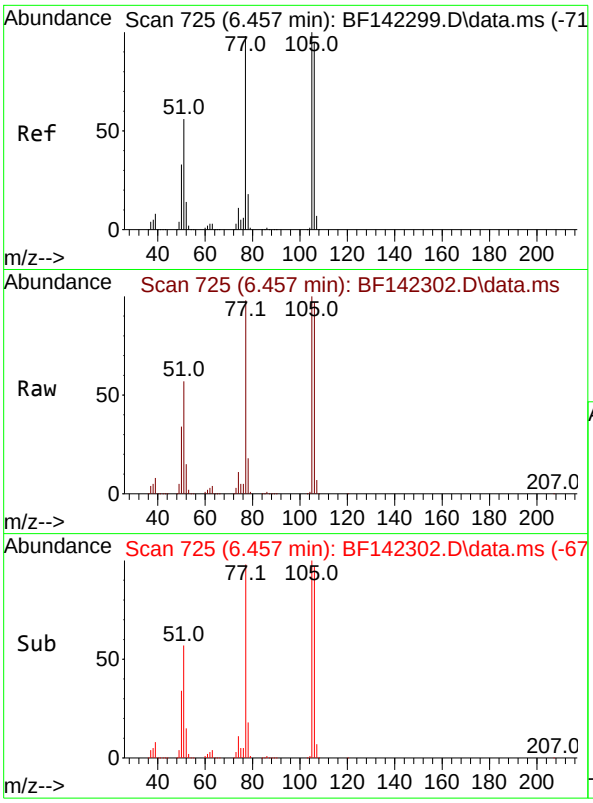


#8
2-Chlorophenol
Concen: 78.300 ng
RT: 6.692 min Scan# 765
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:128 Resp: 1007022

Ion	Ratio	Lower	Upper
128	100		
130	33.0	12.7	52.7
64	48.1	29.2	69.2



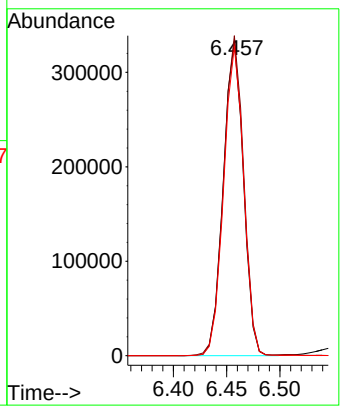


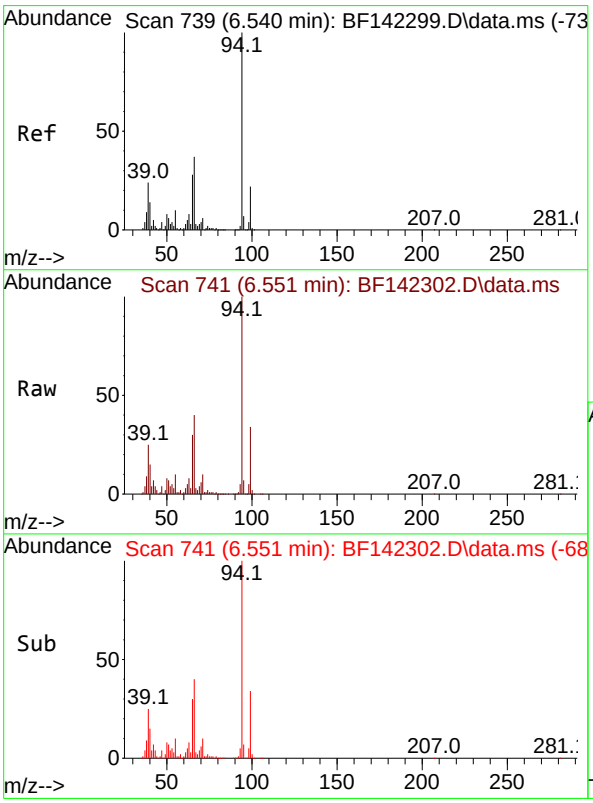
#9
Benzaldehyde
Concen: 50.313 ng
RT: 6.457 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 435889

Ion	Ratio	Lower	Upper
77	100		
105	101.9	82.0	122.0
106	98.4	77.2	117.2

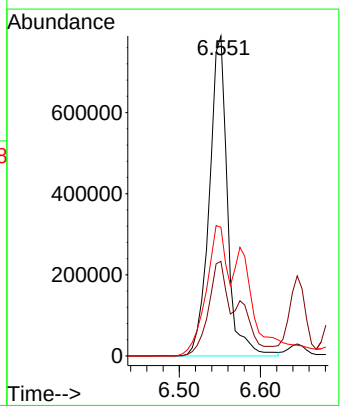


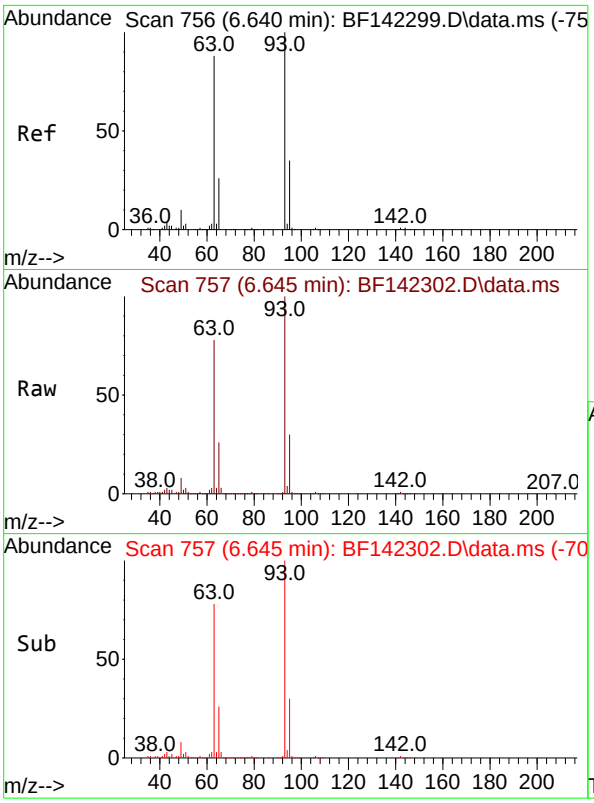


#10
Phenol
Concen: 77.977 ng
RT: 6.551 min Scan# 741
Delta R.T. 0.012 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion: 94 Resp: 1223529

Ion	Ratio	Lower	Upper
94	100		
65	29.6	8.5	48.5
66	40.2	17.3	57.3



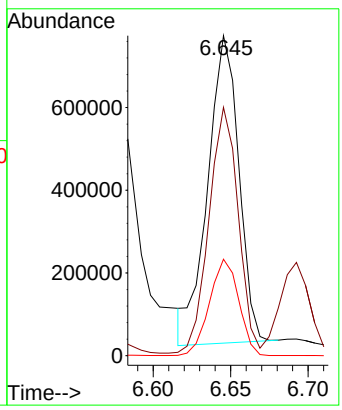


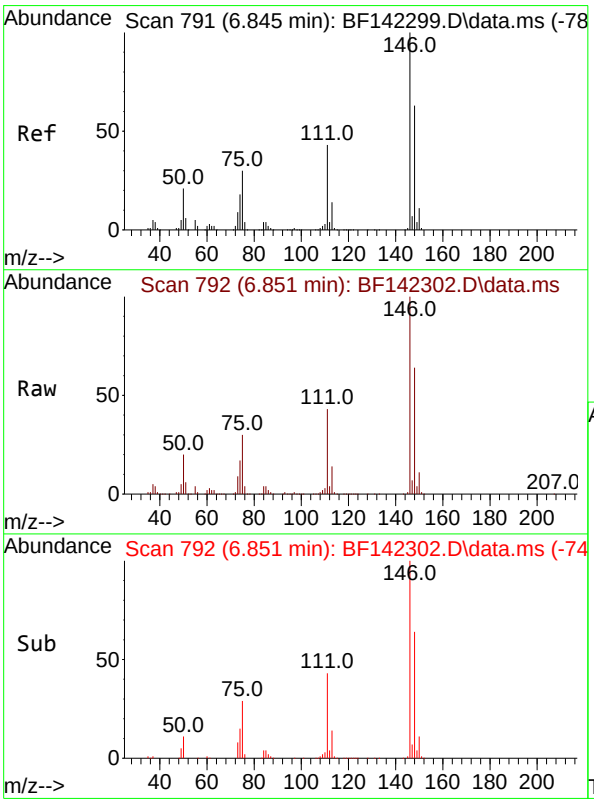
#11
bis(2-Chloroethyl)ether
Concen: 66.991 ng
RT: 6.645 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 93 Resp: 1036576

Ion	Ratio	Lower	Upper
93	100		
63	77.6	58.4	98.4
95	30.1	10.6	50.6

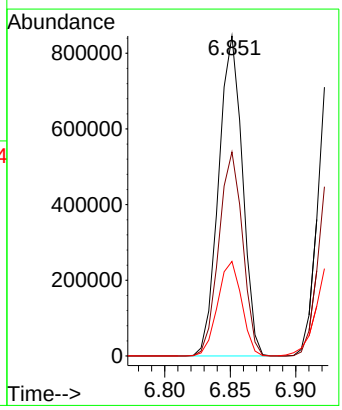


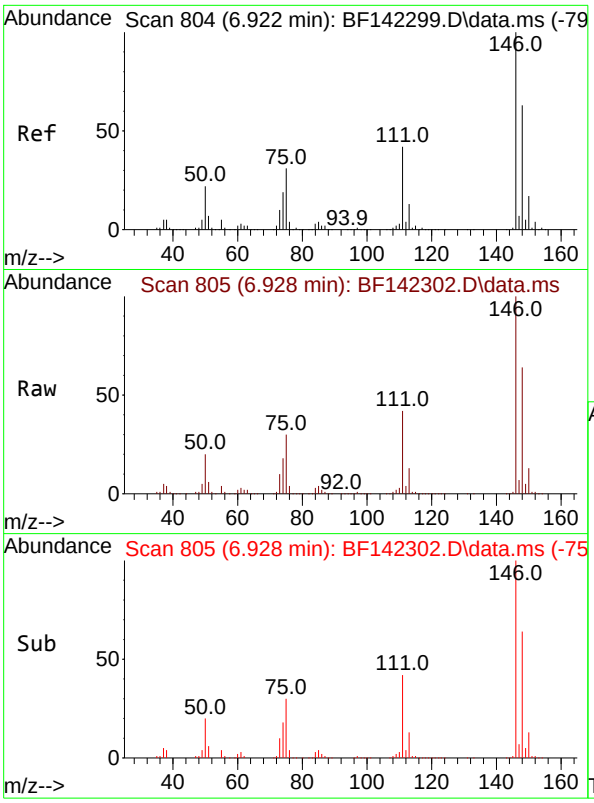


#12
1,3-Dichlorobenzene
Concen: 72.470 ng
RT: 6.851 min Scan# 792
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:146 Resp: 1066308

Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.6	76.0
75	29.6	24.2	36.4



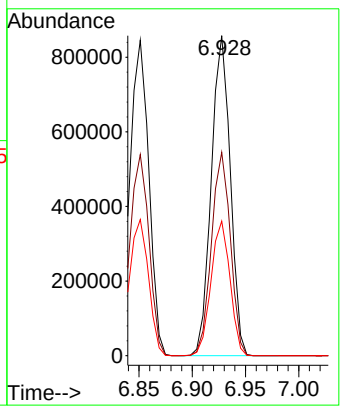


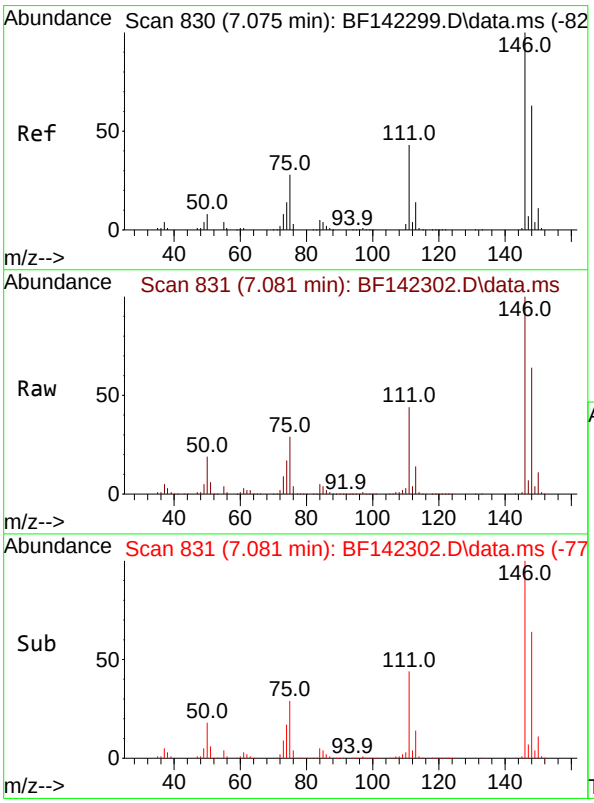
#13
1,4-Dichlorobenzene
Concen: 71.991 ng
RT: 6.928 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 1063540

Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.5	75.7
111	42.1	33.4	50.2

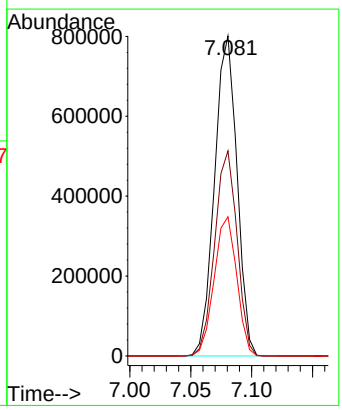


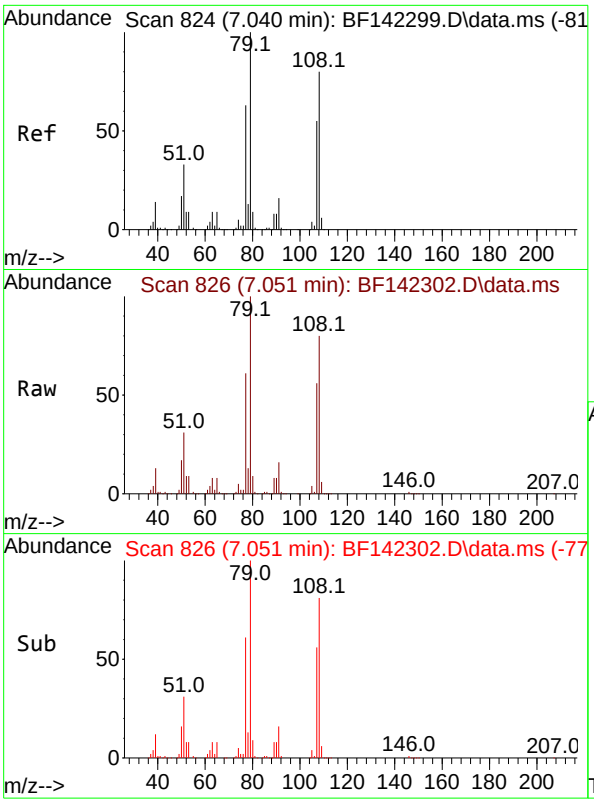


#14
1,2-Dichlorobenzene
Concen: 72.657 ng
RT: 7.081 min Scan# 831
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:146 Resp: 1030293

Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.3	75.5
111	43.5	34.5	51.7



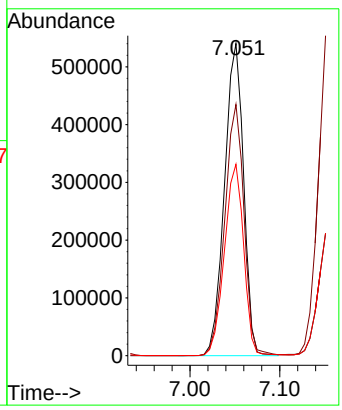


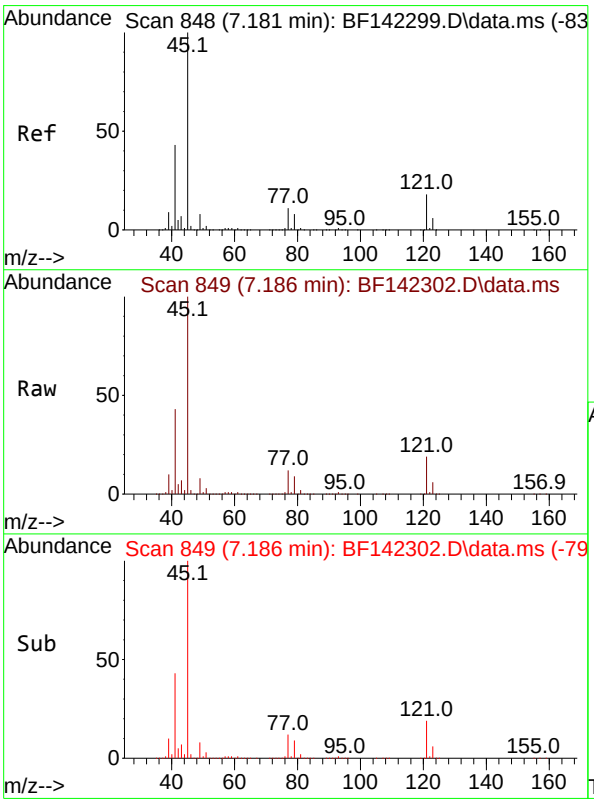
#15
Benzyl Alcohol
Concen: 83.370 ng
RT: 7.051 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 79 Resp: 799114

Ion	Ratio	Lower	Upper
79	100		
108	80.5	63.9	95.9
77	61.3	50.7	76.1

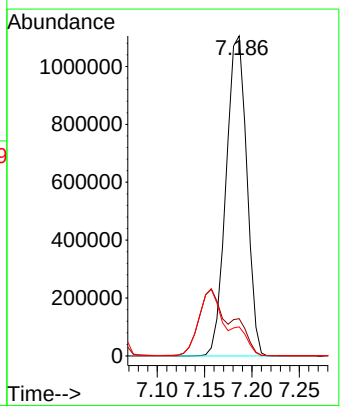


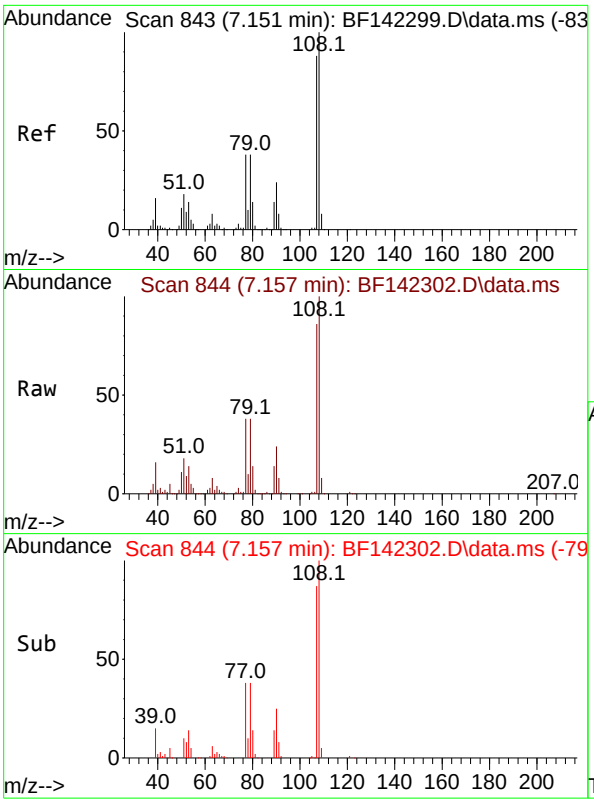


#16
2,2'-oxybis(1-Chloropropane)
Concen: 72.703 ng
RT: 7.186 min Scan# 849
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion: 45 Resp: 1679925

Ion	Ratio	Lower	Upper
45	100		
77	11.7	0.0	31.2
79	9.1	0.0	28.5



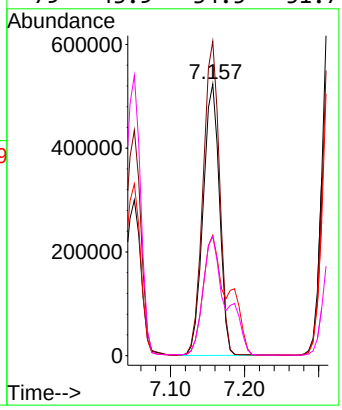


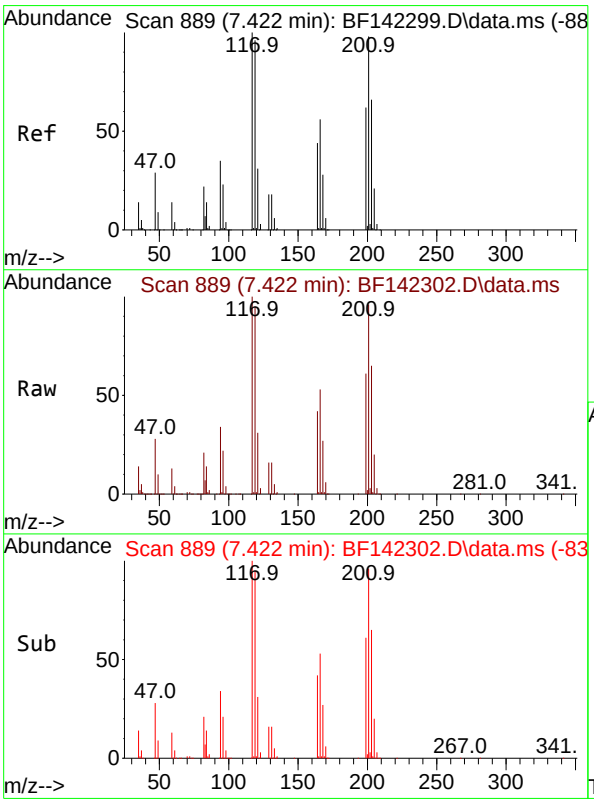
#17
2-Methylphenol
Concen: 77.177 ng
RT: 7.157 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:107 Resp: 803596

Ion	Ratio	Lower	Upper
107	100		
108	115.7	91.1	136.7
77	44.4	34.7	52.1
79	43.9	34.5	51.7

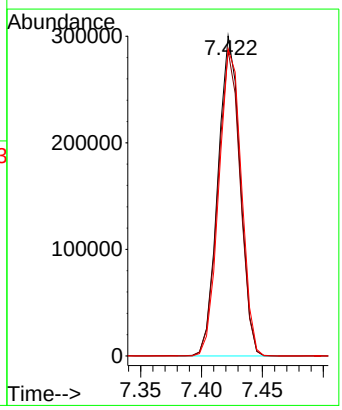


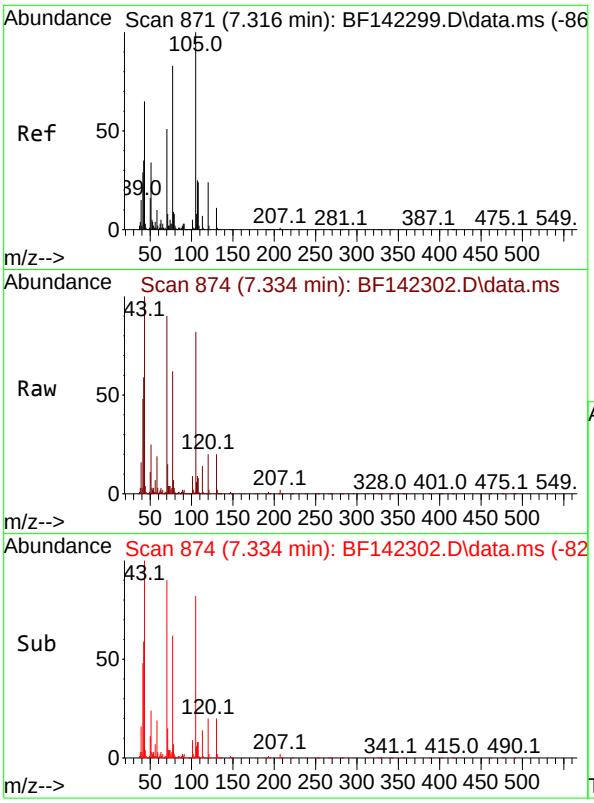


#18
Hexachloroethane
Concen: 77.452 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.000 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:117 Resp: 380705

Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.9	115.3
201	96.0	78.0	117.0



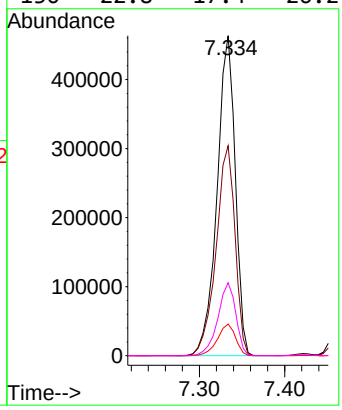


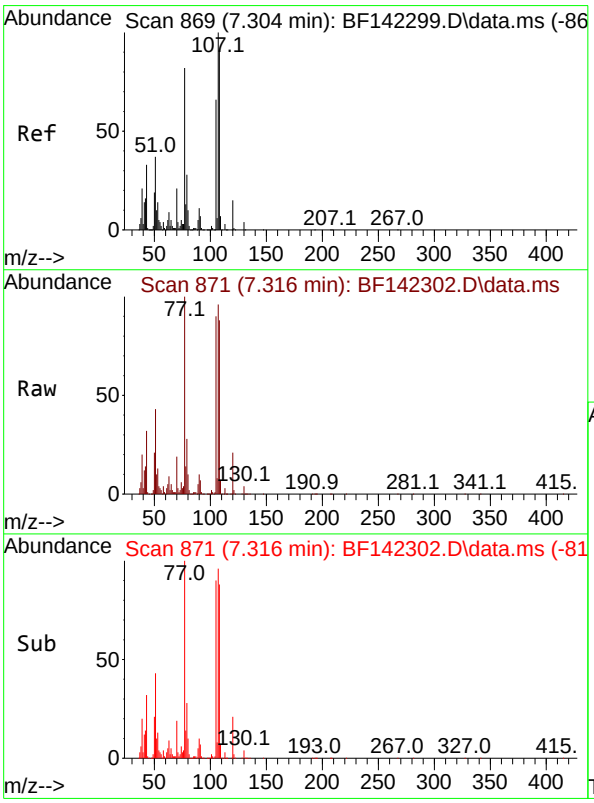
#19
n-Nitroso-di-n-propylamine
Concen: 75.168 ng
RT: 7.334 min Scan# 8
Delta R.T. 0.018 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 70 Resp: 688261

Ion	Ratio	Lower	Upper
70	100		
42	65.6	54.8	82.2
101	9.9	7.7	11.5
130	22.8	17.4	26.2

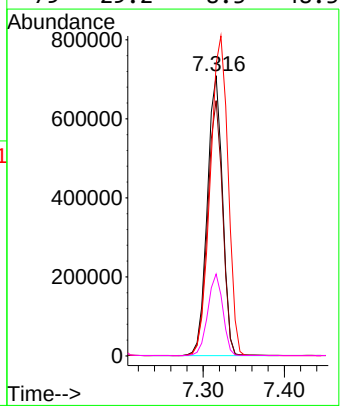


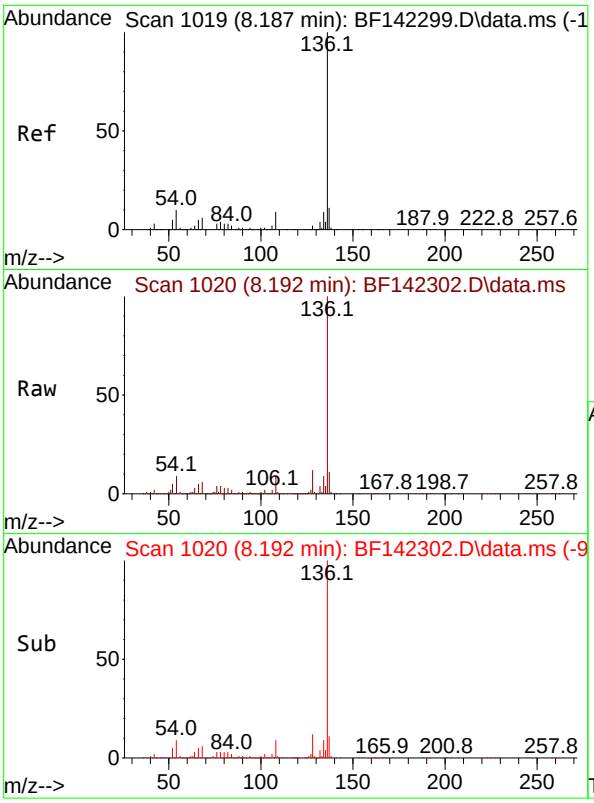


#20
3+4-Methylphenols
Concen: 70.906 ng
RT: 7.316 min Scan# 871
Delta R.T. 0.012 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:107 Resp: 921424

Ion	Ratio	Lower	Upper
107	100		
108	91.1	71.5	111.5
77	104.1	61.6	101.6#
79	29.2	8.3	48.3



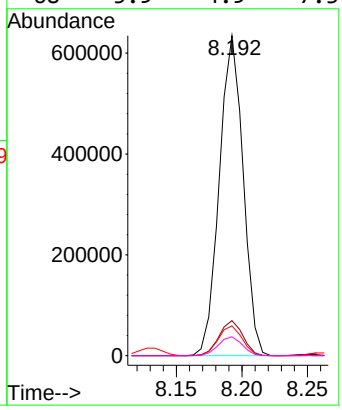


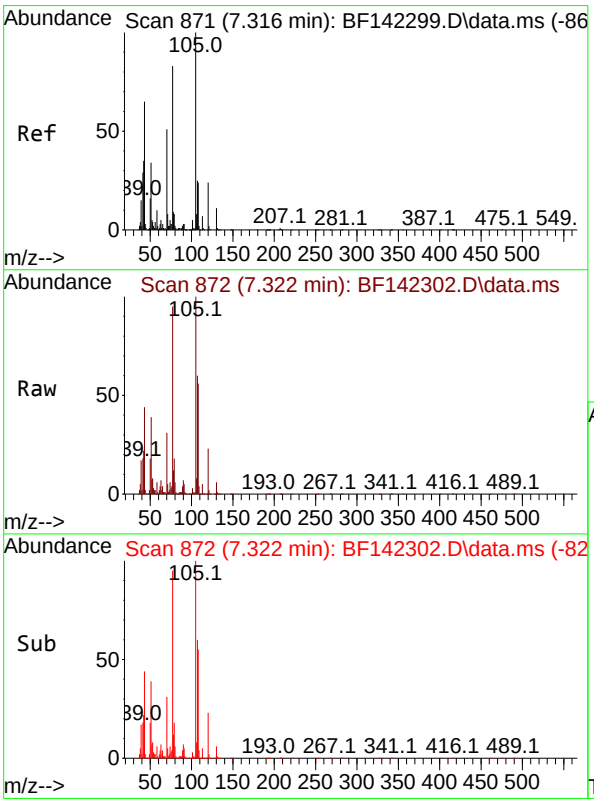
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.192 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:136 Resp: 801101

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.3	7.7	11.5
68	5.9	4.9	7.3

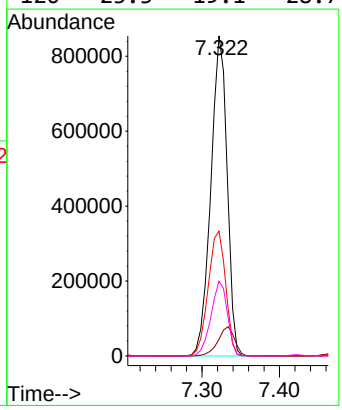


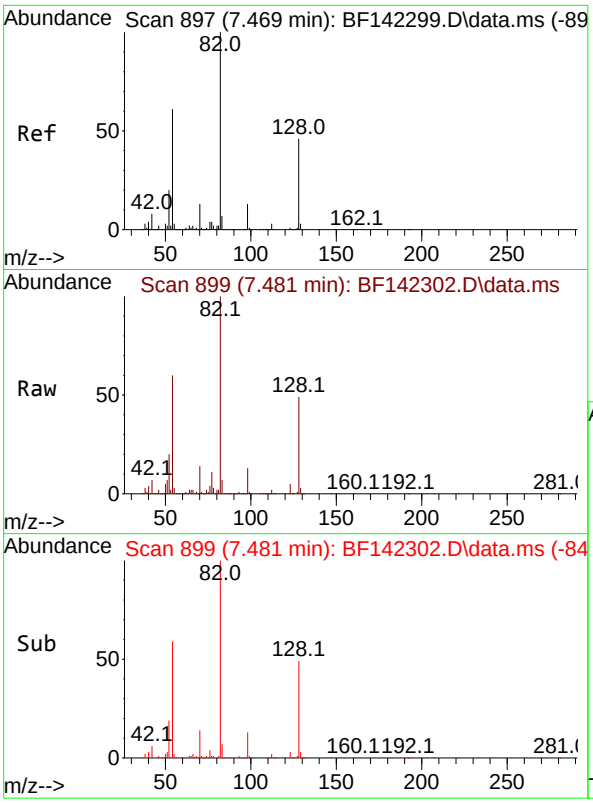


#22
Acetophenone
Concen: 69.916 ng
RT: 7.322 min Scan# 872
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:105 Resp: 1245347

Ion	Ratio	Lower	Upper
105	100		
71	5.2	6.7	10.1#
51	39.0	27.6	41.4
120	23.3	19.1	28.7



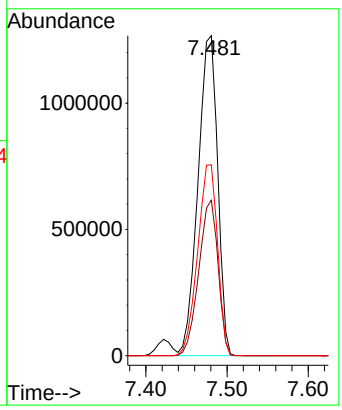


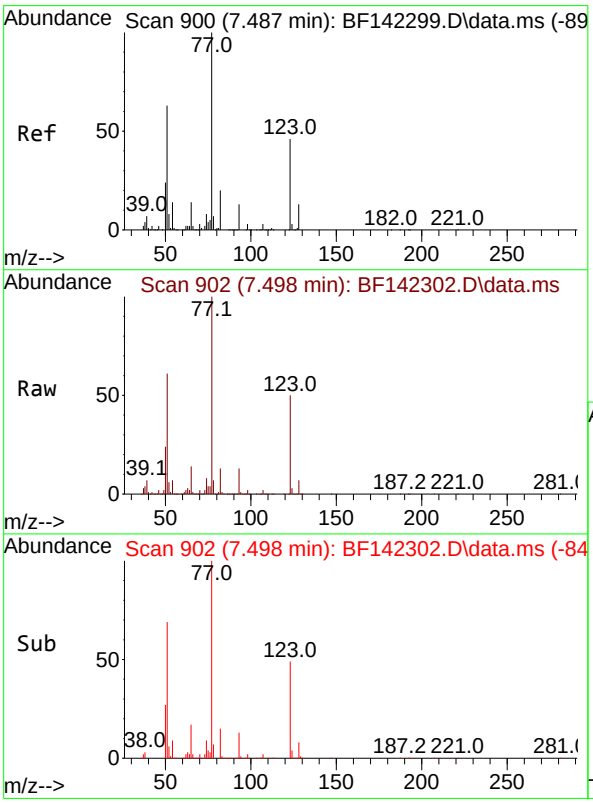
#23
Nitrobenzene-d5
Concen: 162.047 ng
RT: 7.481 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 2128583

Ion	Ratio	Lower	Upper
82	100		
128	48.6	37.0	55.6
54	59.7	48.6	73.0

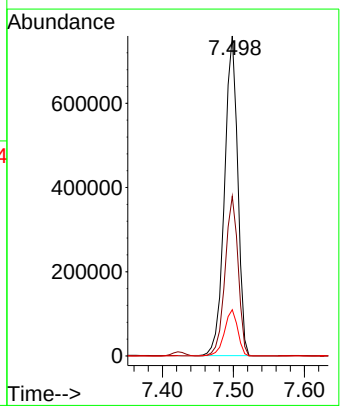


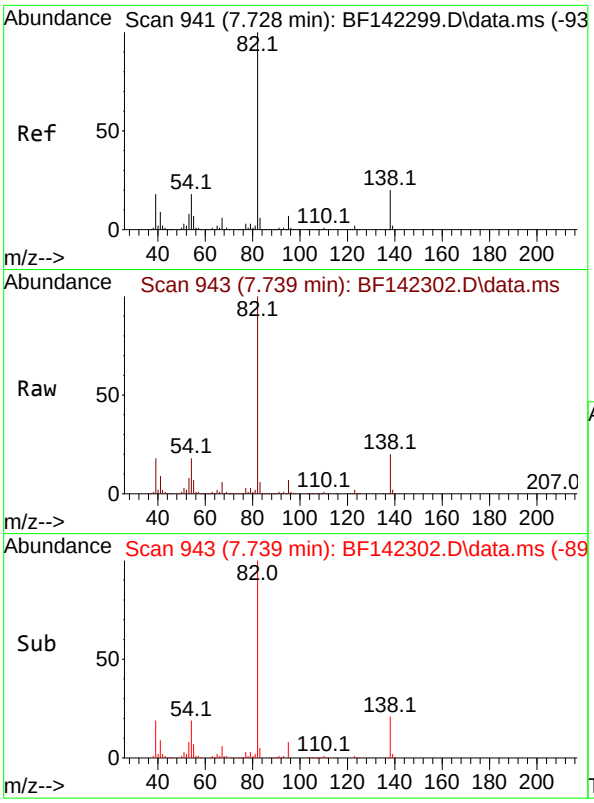


#24
Nitrobenzene
Concen: 79.029 ng
RT: 7.498 min Scan# 902
Delta R.T. 0.012 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion: 77 Resp: 978534

Ion	Ratio	Lower	Upper
77	100		
123	49.9	37.8	56.8
65	14.5	11.4	17.0



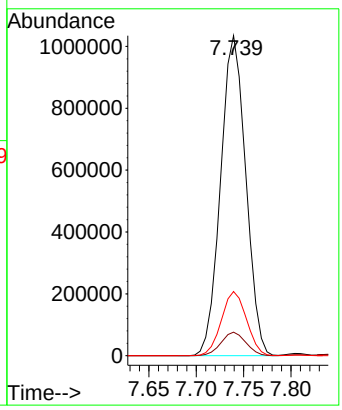


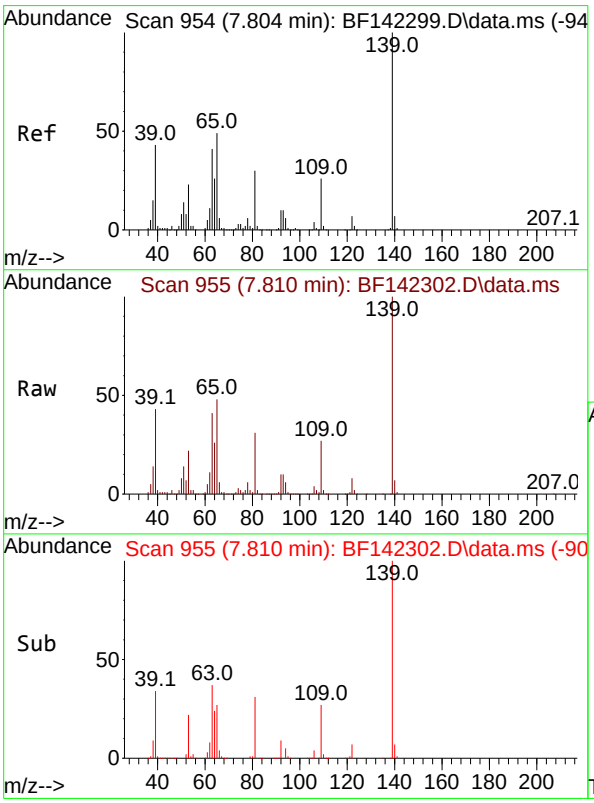
#25
Isophorone
Concen: 77.044 ng
RT: 7.739 min Scan# 94
Delta R.T. 0.012 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 82 Resp: 1916388

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.8	8.8
138	20.1	16.1	24.1

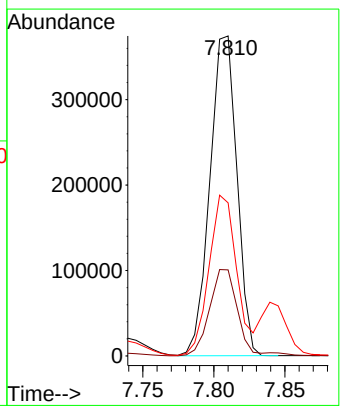


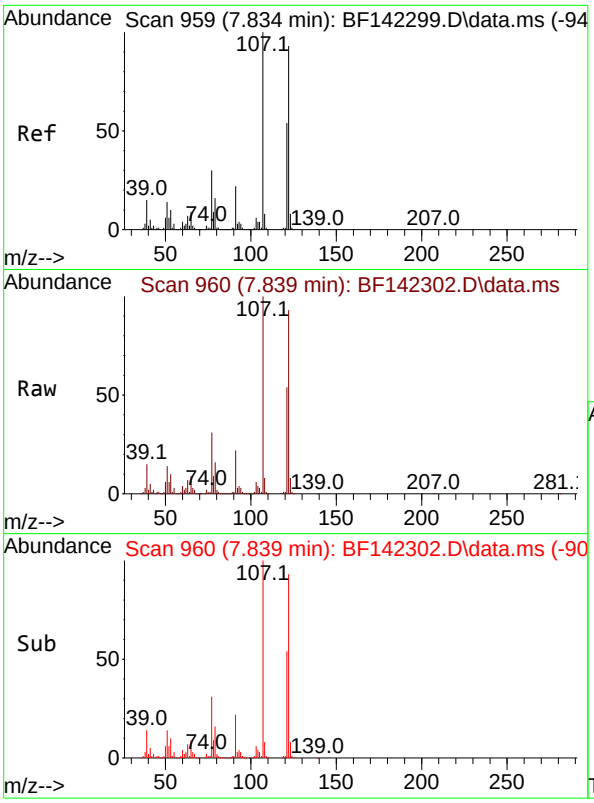


#26
2-Nitrophenol
Concen: 80.172 ng
RT: 7.810 min Scan# 955
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:139 Resp: 496348

Ion	Ratio	Lower	Upper
139	100		
109	26.9	20.8	31.2
65	47.8	38.9	58.3



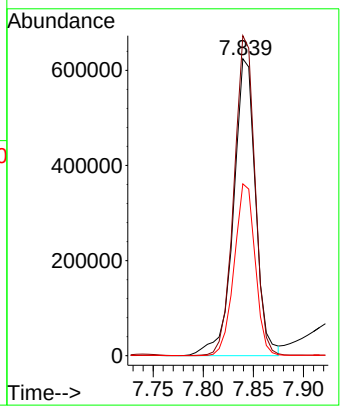


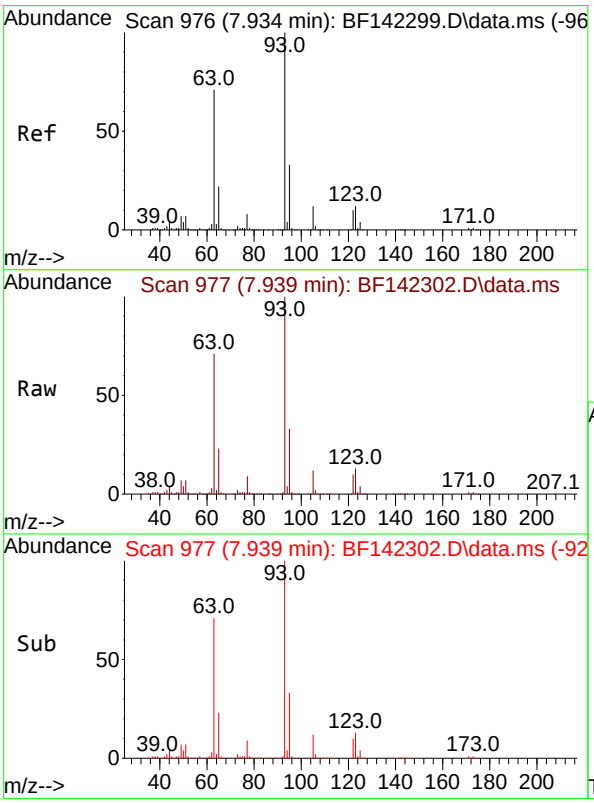
#27
2,4-Dimethylphenol
Concen: 76.651 ng
RT: 7.839 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:122 Resp: 958602

Ion	Ratio	Lower	Upper
122	100		
107	107.7	86.0	129.0
121	57.8	46.2	69.4

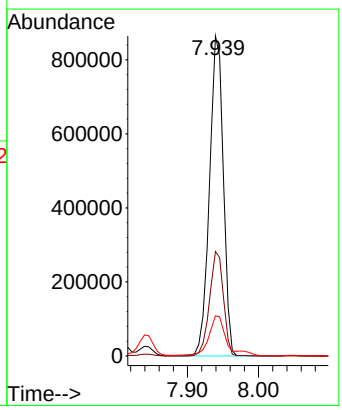


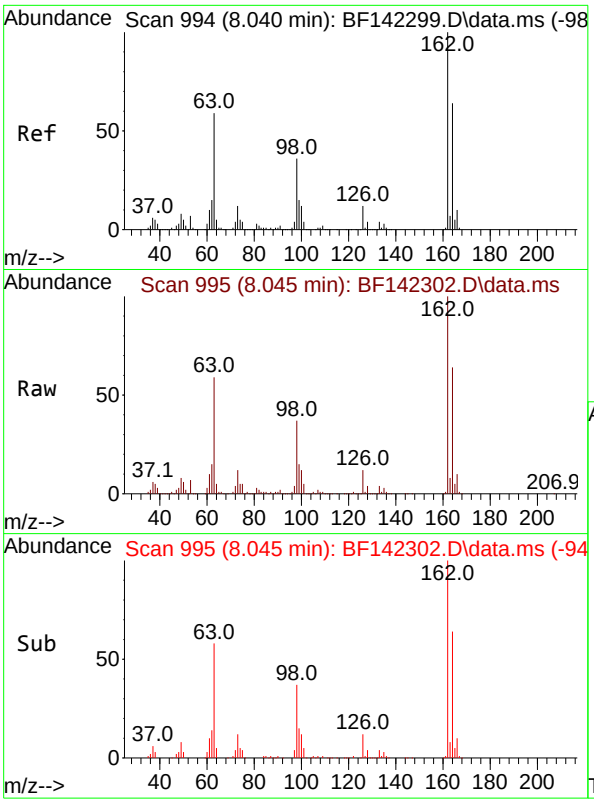


#28
bis(2-Chloroethoxy)methane
Concen: 73.236 ng
RT: 7.939 min Scan# 977
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion: 93 Resp: 1171369

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.1	39.1
123	12.5	10.2	15.4



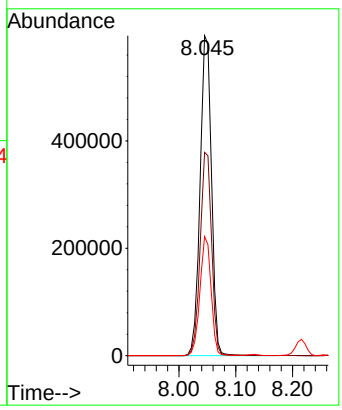


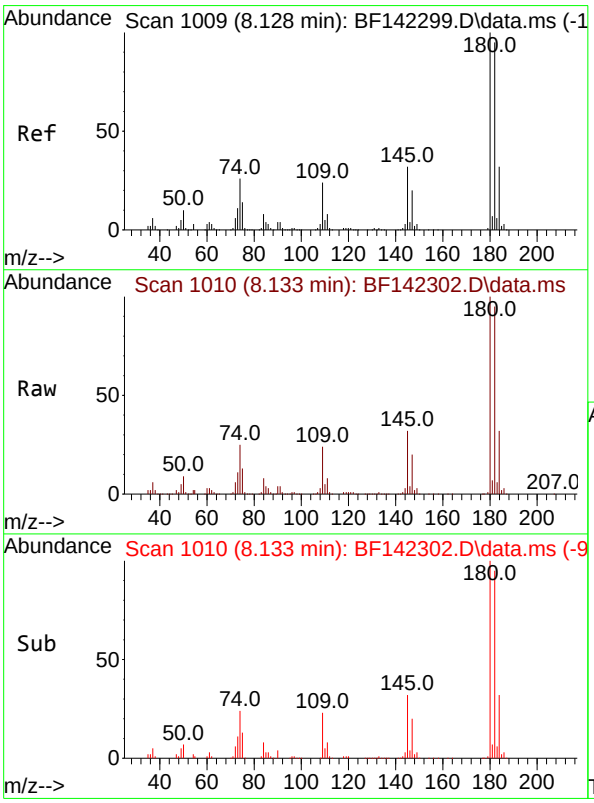
#29
2,4-Dichlorophenol
Concen: 78.283 ng
RT: 8.045 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 832329

Ion	Ratio	Lower	Upper
162	100		
164	63.5	43.6	83.6
98	37.2	16.5	56.5

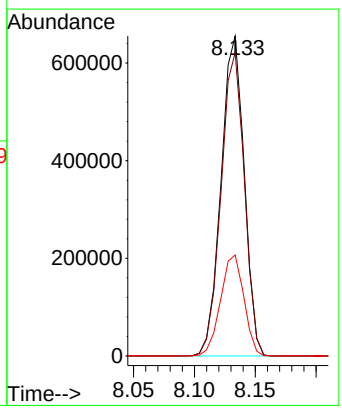


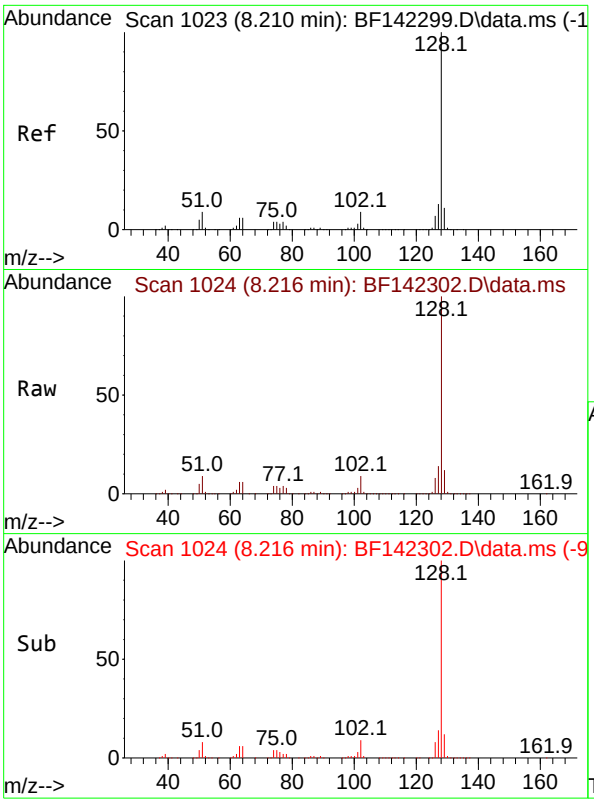


#30
1,2,4-Trichlorobenzene
Concen: 72.551 ng
RT: 8.133 min Scan# 1010
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:180 Resp: 868126

Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.2	114.4
145	31.6	25.8	38.6



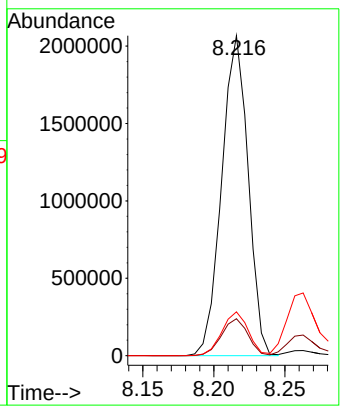


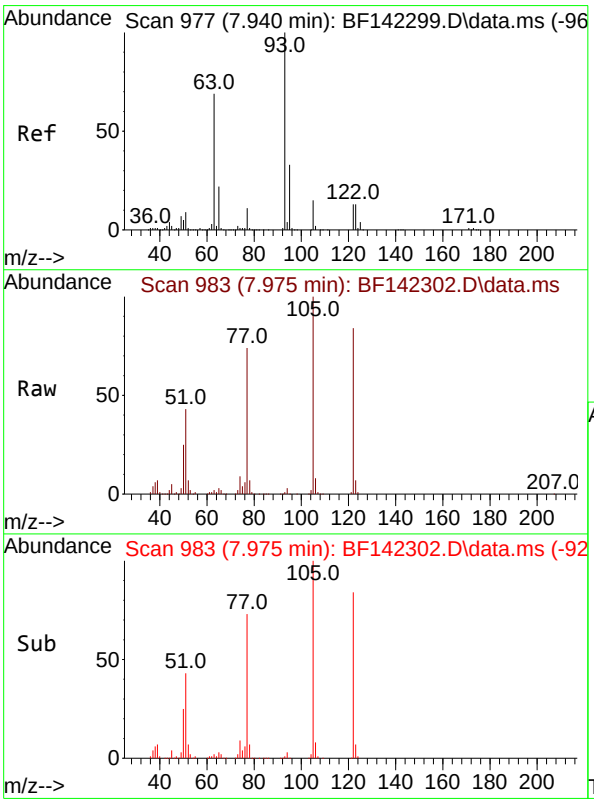
#31
Naphthalene
Concen: 68.916 ng
RT: 8.216 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:128 Resp: 2675722

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.1	13.7
127	13.7	10.5	15.7

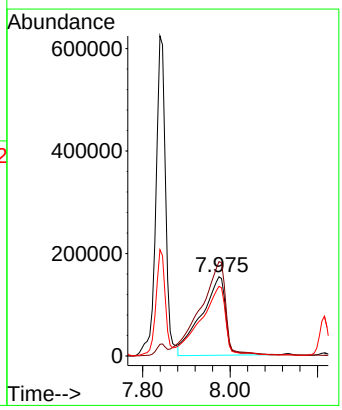


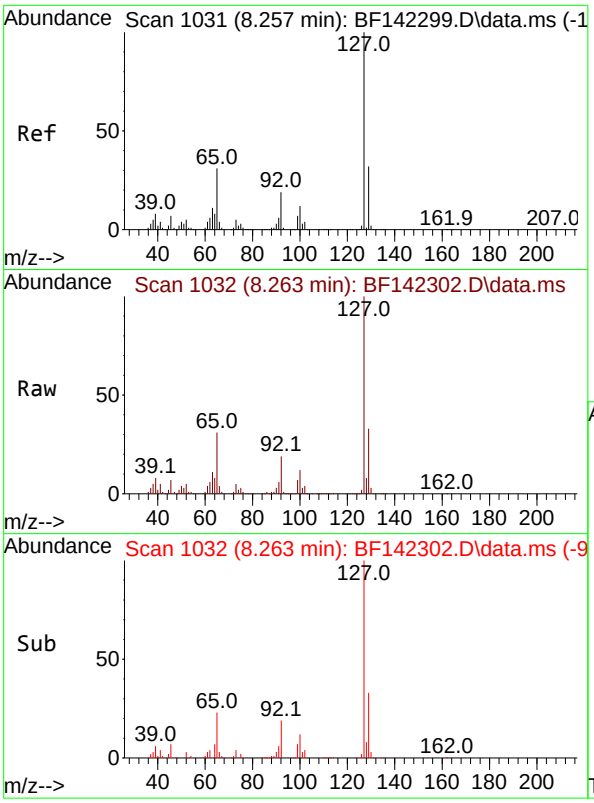


#32
Benzoic acid
Concen: 76.609 ng
RT: 7.975 min Scan# 983
Delta R.T. 0.035 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:122 Resp: 595531

Ion	Ratio	Lower	Upper
122	100		
105	119.1	97.9	137.9
77	88.0	67.7	107.7



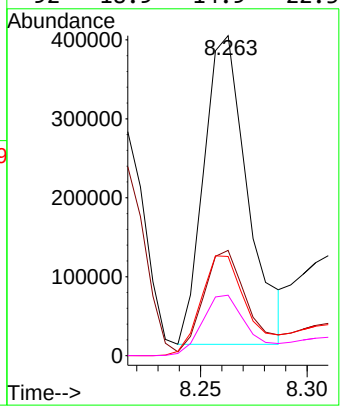


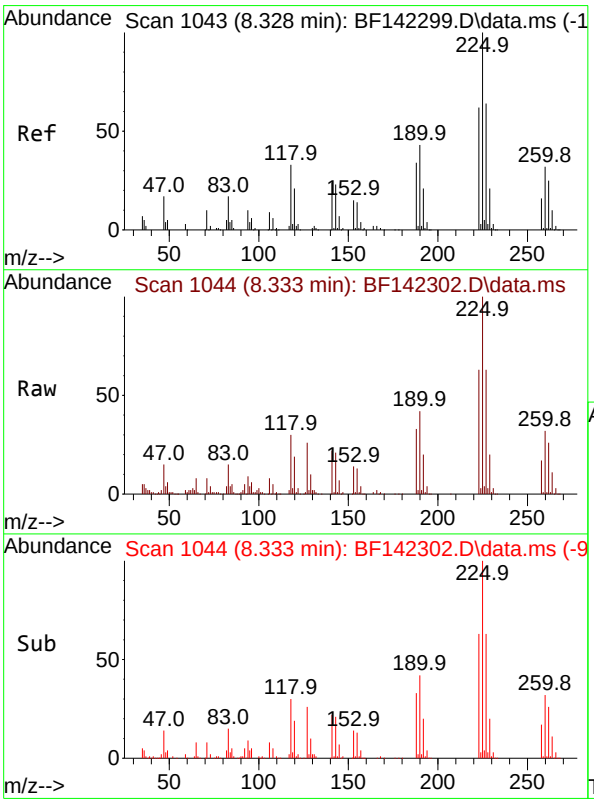
#33
4-Chloroaniline
Concen: 35.308 ng
RT: 8.263 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:127 Resp: 559381

Ion	Ratio	Lower	Upper
127	100		
129	32.9	25.7	38.5
65	31.0	24.9	37.3
92	18.9	14.9	22.3

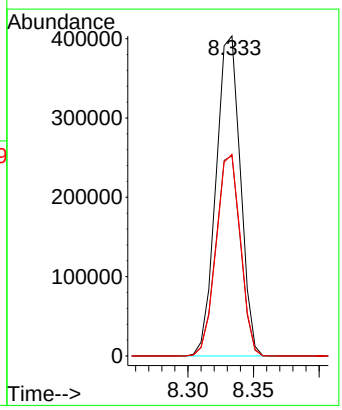


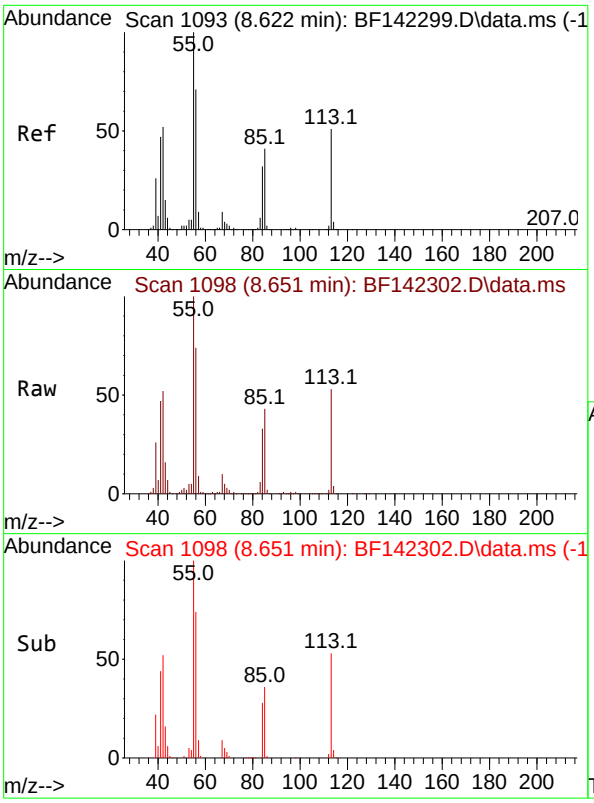


#34
Hexachlorobutadiene
Concen: 73.460 ng
RT: 8.333 min Scan# 1044
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:225 Resp: 520499

Ion	Ratio	Lower	Upper
225	100		
223	62.6	49.8	74.6
227	63.0	50.9	76.3



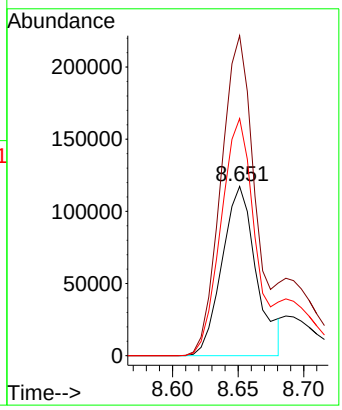


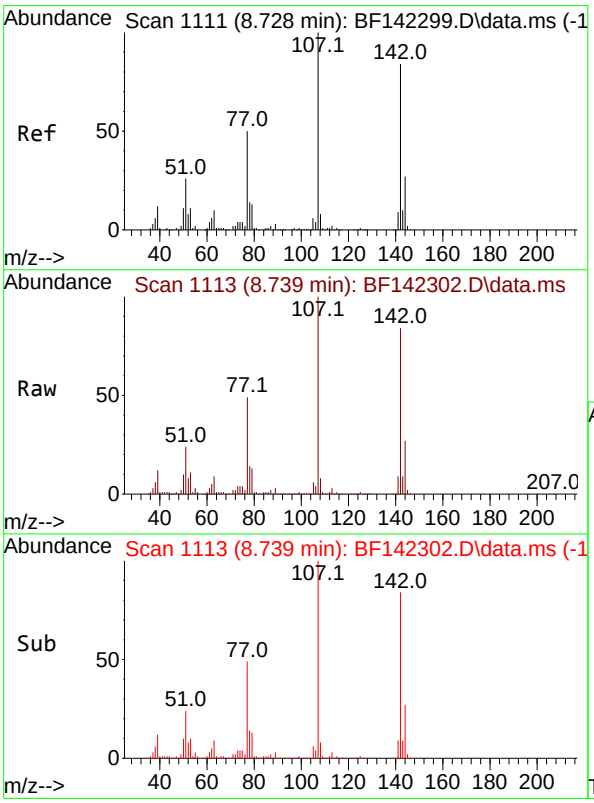
#35
Caprolactam
Concen: 69.013 ng
RT: 8.651 min Scan# 1
Delta R.T. 0.029 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:113 Resp: 213853

Ion	Ratio	Lower	Upper
113	100		
55	189.0	176.4	216.4
56	140.1	120.3	160.3

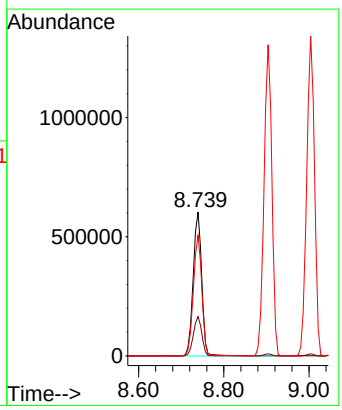


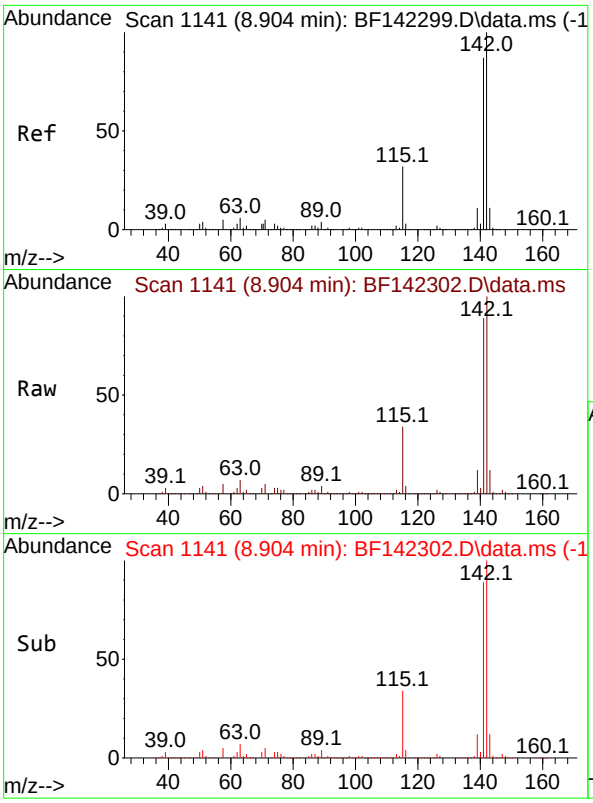


#36
4-Chloro-3-methylphenol
Concen: 76.050 ng
RT: 8.739 min Scan# 1113
Delta R.T. 0.012 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:107 Resp: 840535

Ion	Ratio	Lower	Upper
107	100		
144	27.3	21.3	31.9
142	83.7	66.9	100.3



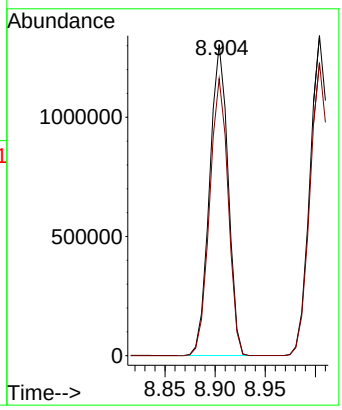


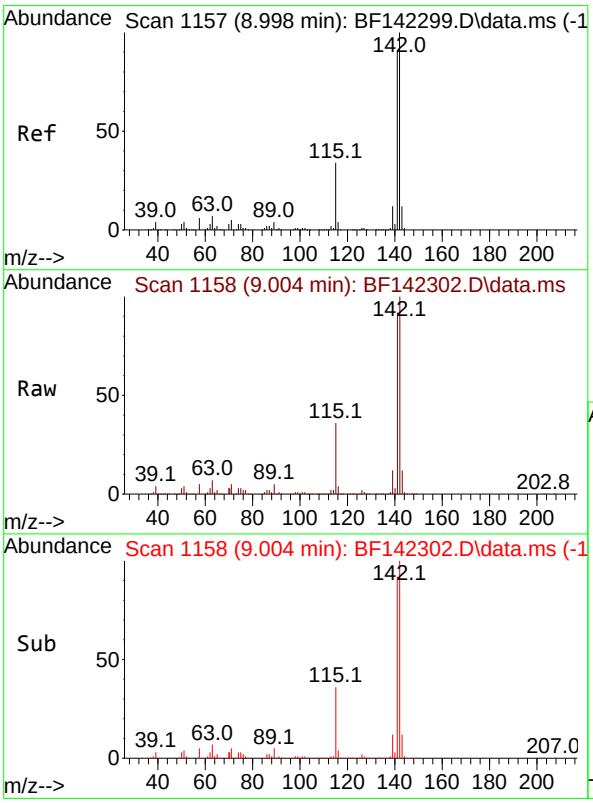
#37
2-Methylnaphthalene
Concen: 69.220 ng
RT: 8.904 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:142 Resp: 1669985

Ion	Ratio	Lower	Upper
142	100		
141	89.1	69.4	104.2

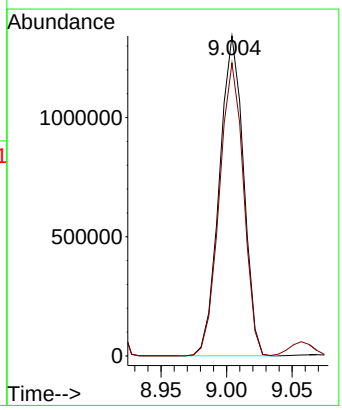


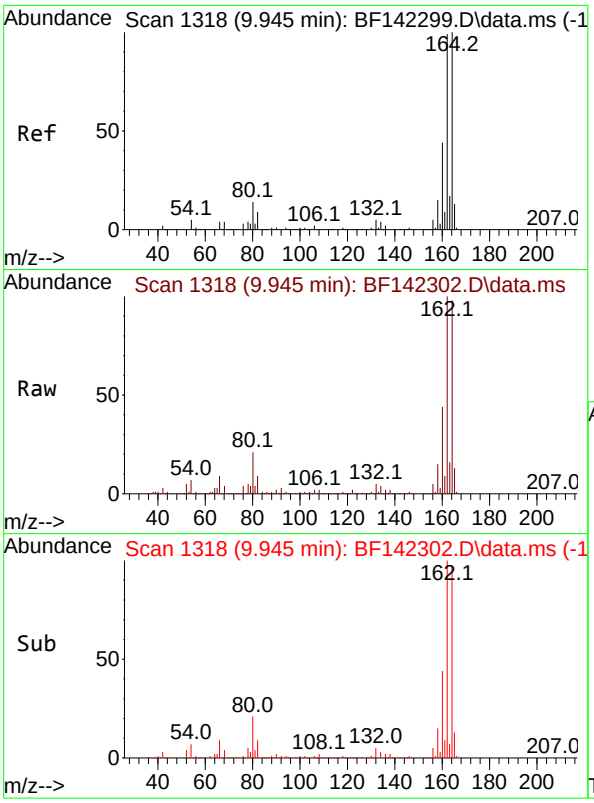


#38
1-Methylnaphthalene
Concen: 68.165 ng
RT: 9.004 min Scan# 1158
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:142 Resp: 1714046

Ion	Ratio	Lower	Upper
142	100		
141	91.6	72.5	108.7



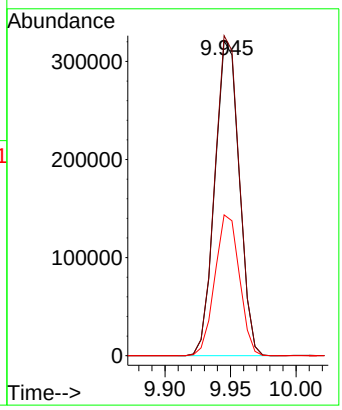


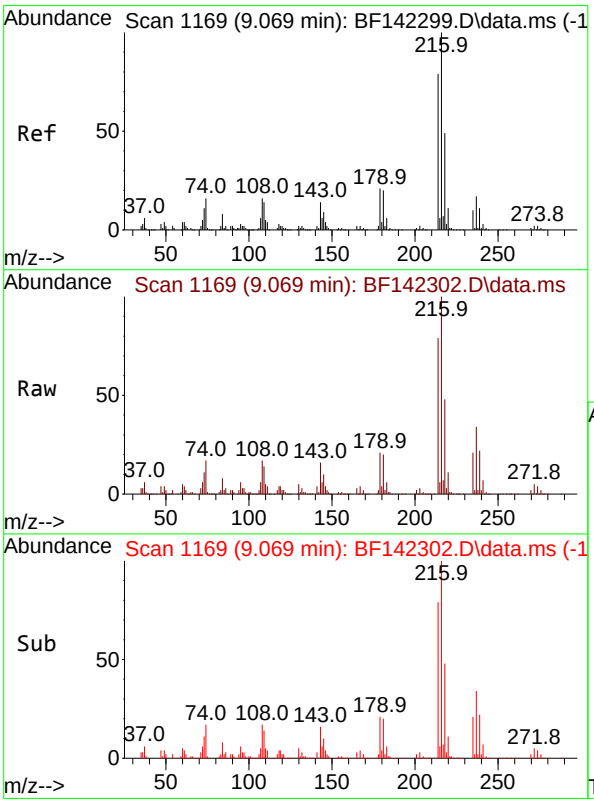
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:164 Resp: 414811

Ion	Ratio	Lower	Upper
164	100		
162	101.7	79.2	118.8
160	44.7	35.3	52.9

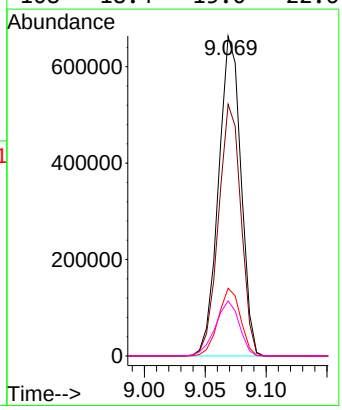


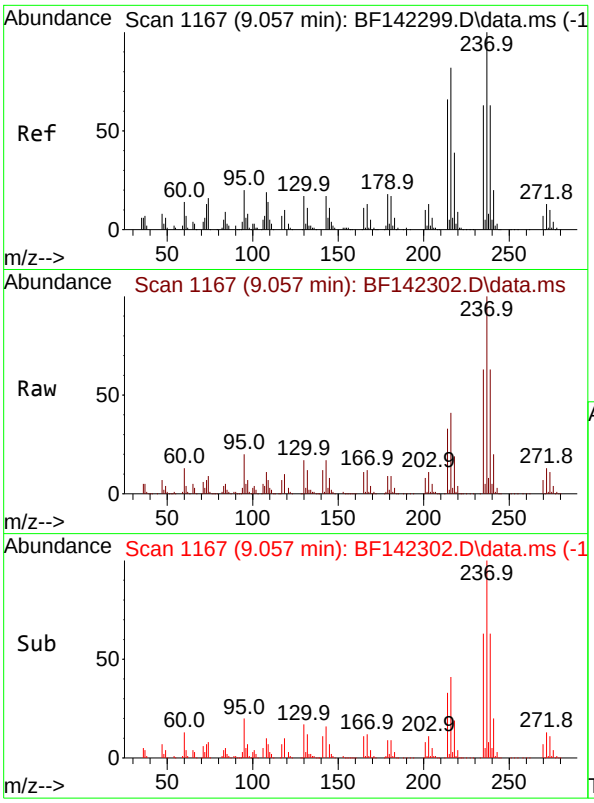


#40
1,2,4,5-Tetrachlorobenzene
Concen: 73.349 ng
RT: 9.069 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:216 Resp: 849773

Ion	Ratio	Lower	Upper
216	100		
214	78.7	63.8	95.6
179	21.0	17.0	25.6
108	18.4	15.0	22.6



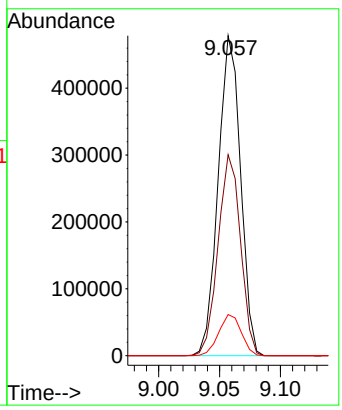


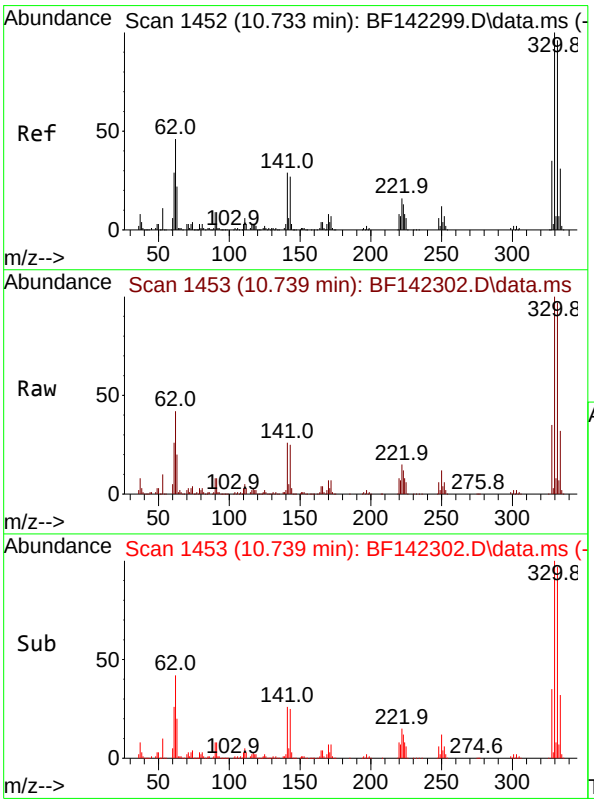
#41
Hexachlorocyclopentadiene
Concen: 85.560 ng
RT: 9.057 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:237 Resp: 612608

Ion	Ratio	Lower	Upper
237	100		
235	62.8	42.8	82.8
272	12.8	0.0	33.0

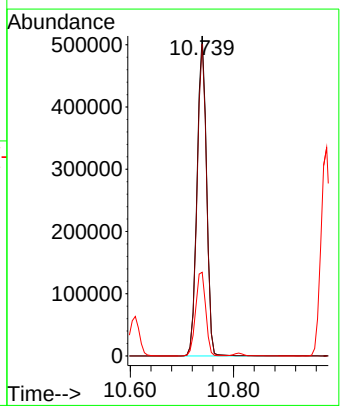


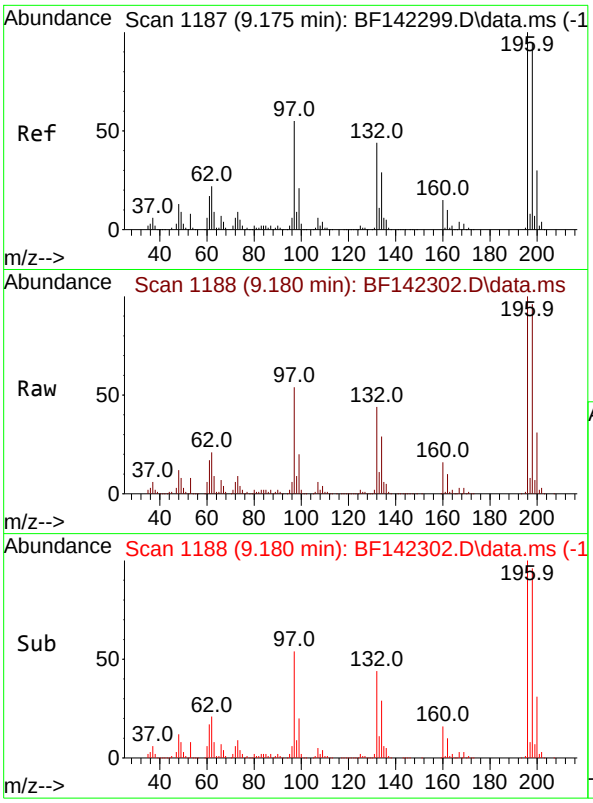


#42
2,4,6-Tribromophenol
Concen: 163.012 ng
RT: 10.739 min Scan# 1453
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:330 Resp: 652850

Ion	Ratio	Lower	Upper
330	100		
332	97.1	76.8	115.2
141	27.9	24.9	37.3



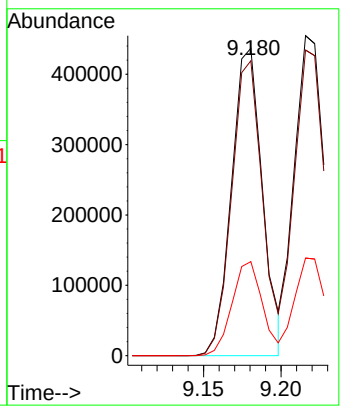


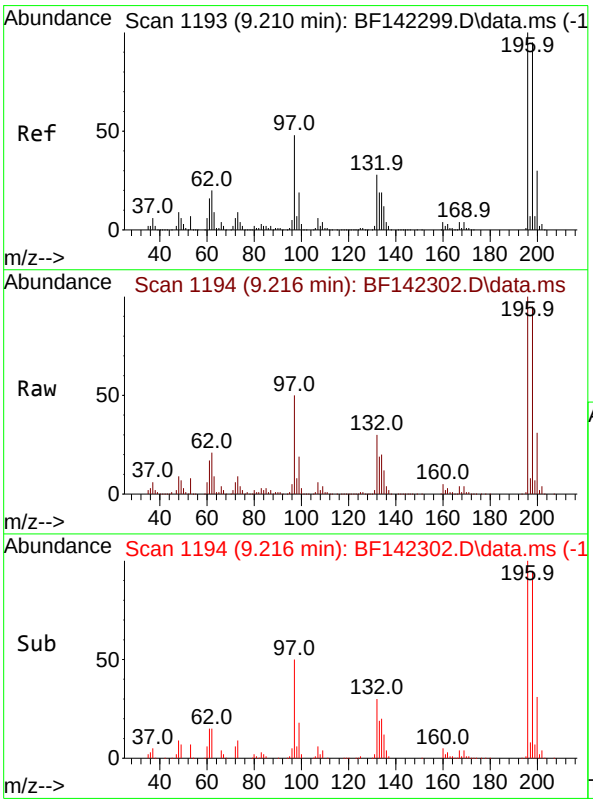
#43
2,4,6-Trichlorophenol
Concen: 82.898 ng
RT: 9.180 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:196 Resp: 605787

Ion	Ratio	Lower	Upper
196	100		
198	96.0	75.4	113.0
200	30.6	24.3	36.5

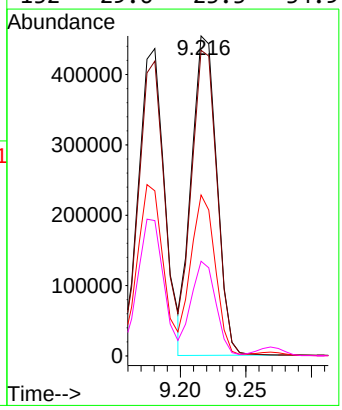


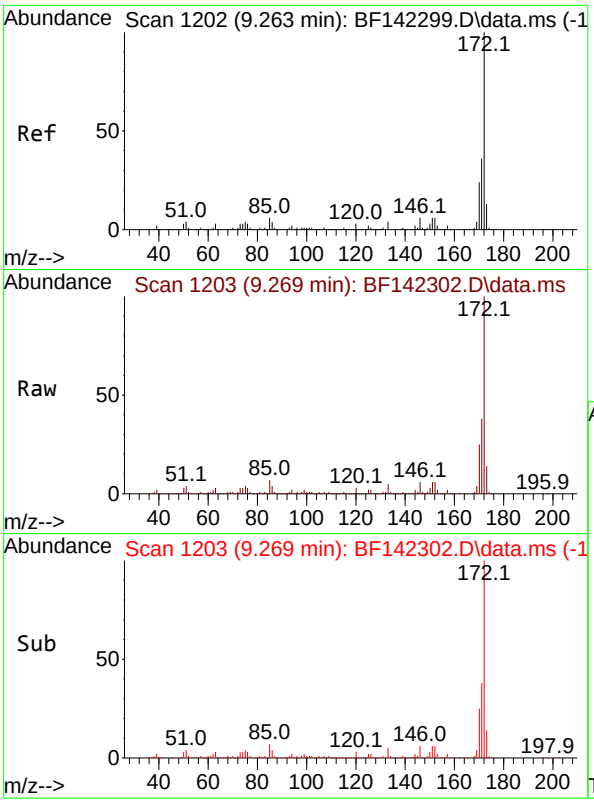


#44
2,4,5-Trichlorophenol
Concen: 78.648 ng
RT: 9.216 min Scan# 1194
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:196 Resp: 611514

Ion	Ratio	Lower	Upper
196	100		
198	95.5	76.1	114.1
97	50.3	39.0	58.4
132	29.6	23.3	34.9



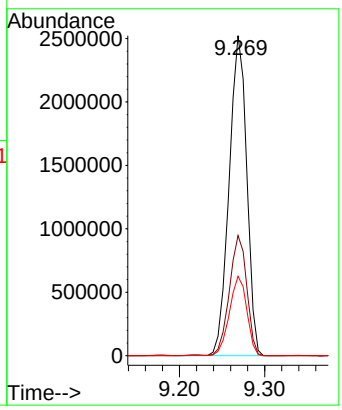


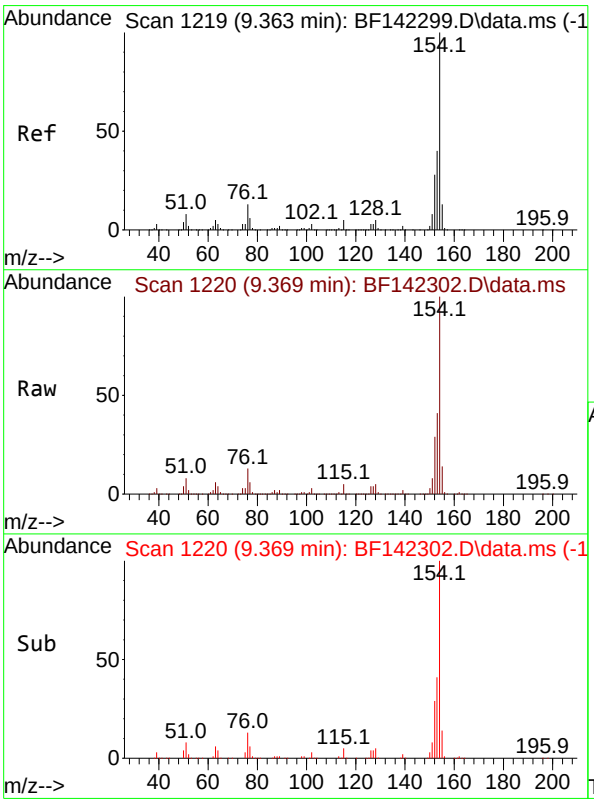
#45
2-Fluorobiphenyl
Concen: 124.337 ng
RT: 9.269 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:172 Resp: 3617174

Ion	Ratio	Lower	Upper
172	100		
171	37.6	28.6	42.8
170	24.8	19.0	28.4

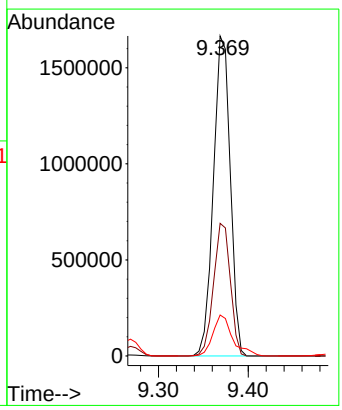


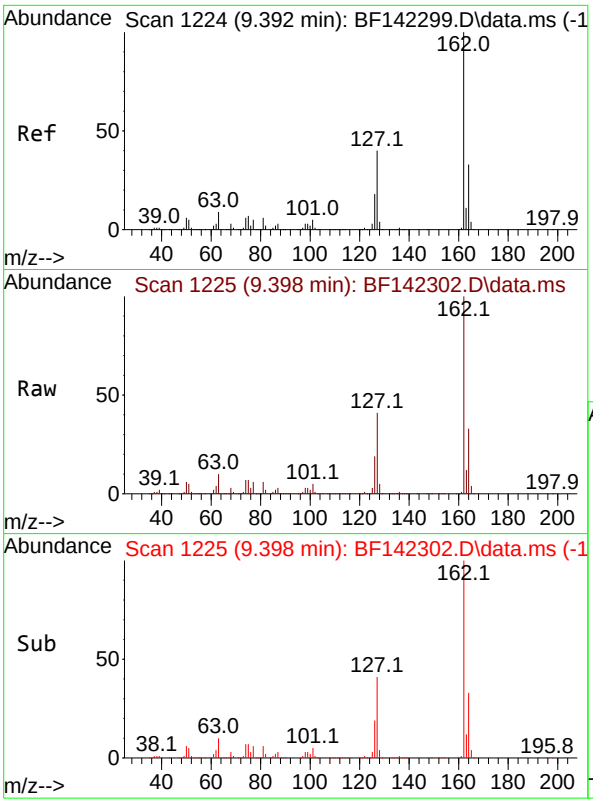


#46
1,1'-Biphenyl
Concen: 68.328 ng
RT: 9.369 min Scan# 1220
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:154 Resp: 2173202

Ion	Ratio	Lower	Upper
154	100		
153	41.5	20.5	60.5
76	12.8	0.0	32.8



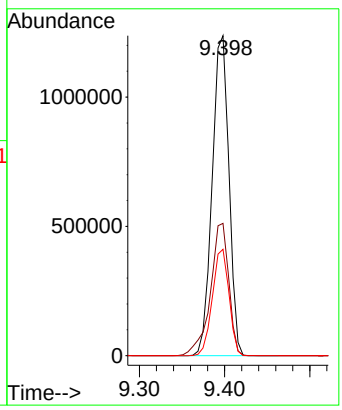


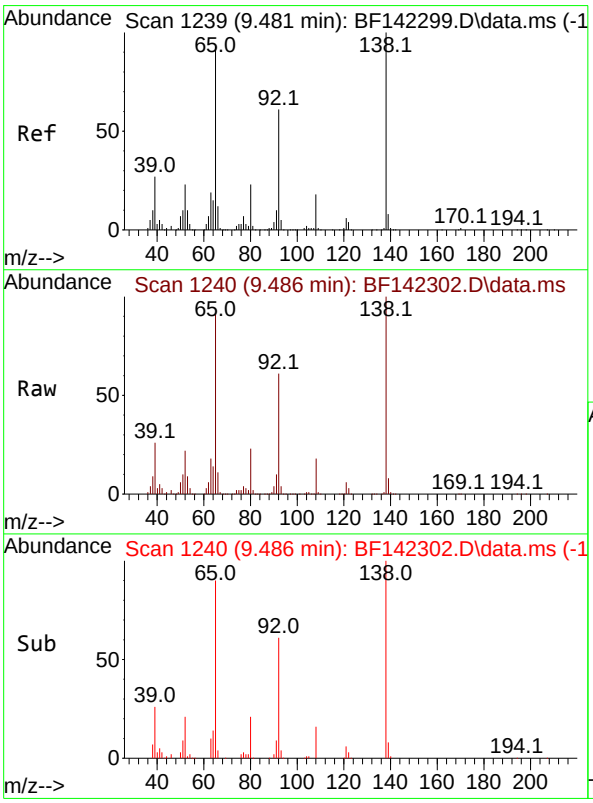
#47
2-Chloronaphthalene
Concen: 71.397 ng
RT: 9.398 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:162 Resp: 1688751

Ion	Ratio	Lower	Upper
162	100		
127	41.4	32.3	48.5
164	33.3	26.6	40.0

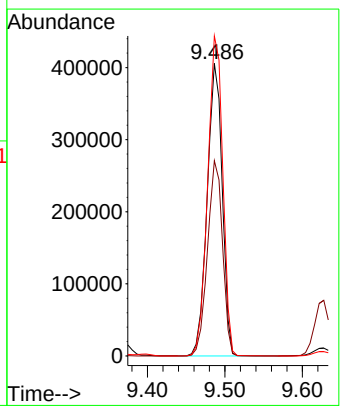


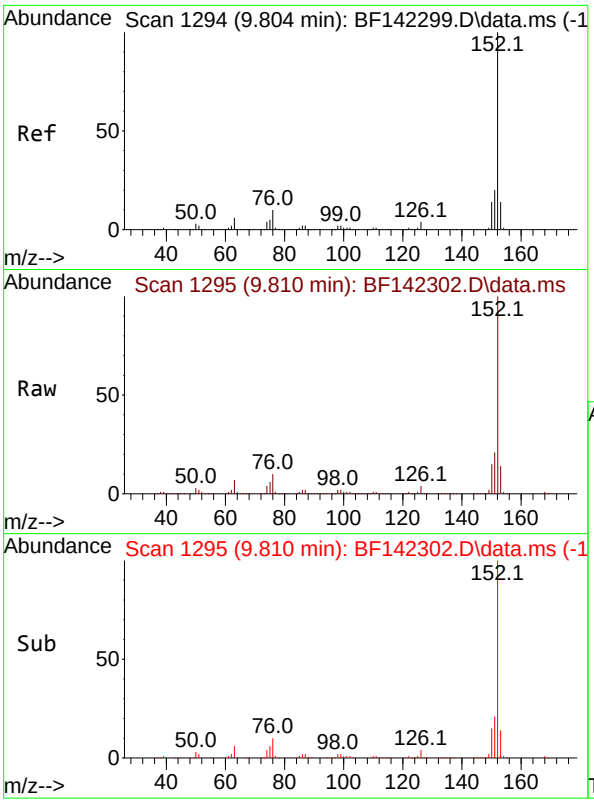


#48
2-Nitroaniline
Concen: 90.354 ng
RT: 9.486 min Scan# 1240
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion: 65 Resp: 547789

Ion	Ratio	Lower	Upper
65	100		
92	66.7	52.3	78.5
138	109.4	85.6	128.4



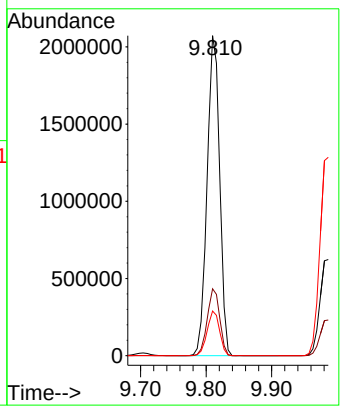


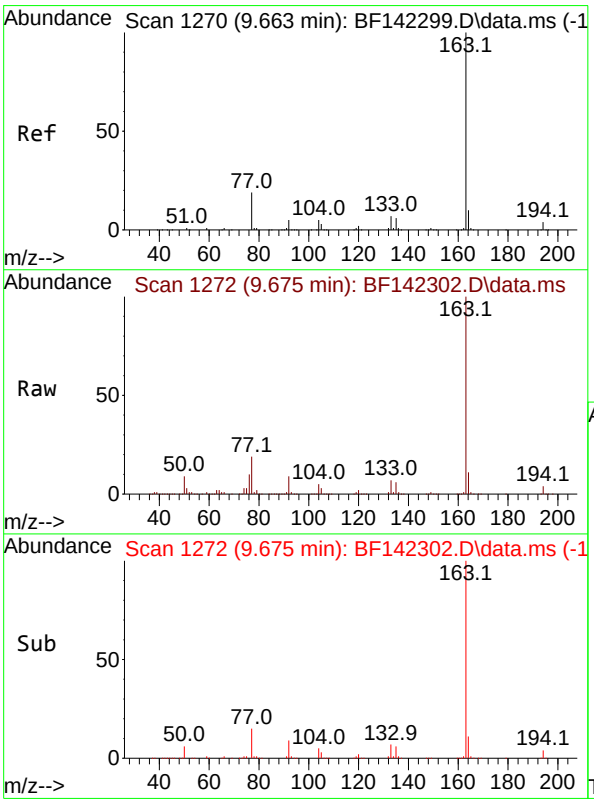
#49
Acenaphthylene
Concen: 69.830 ng
RT: 9.810 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:152 Resp: 2763028

Ion	Ratio	Lower	Upper
152	100		
151	20.9	16.0	24.0
153	14.0	10.8	16.2

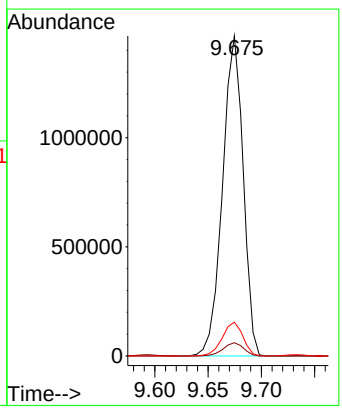


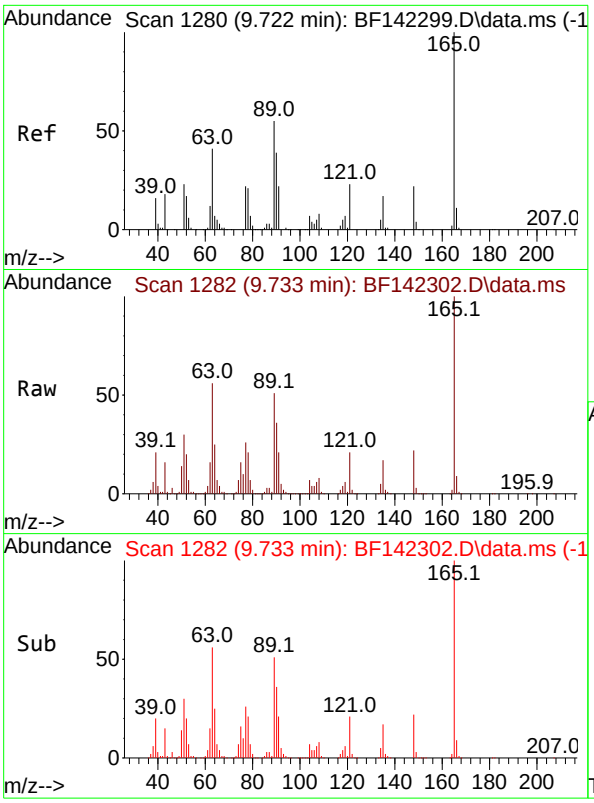


#50
Dimethylphthalate
Concen: 73.901 ng
RT: 9.675 min Scan# 1272
Delta R.T. 0.012 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:163 Resp: 1968431

Ion	Ratio	Lower	Upper
163	100		
194	4.2	3.2	4.8
164	10.6	8.3	12.5



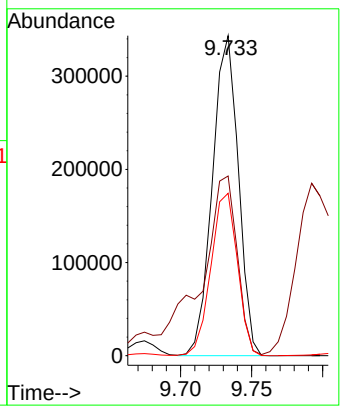


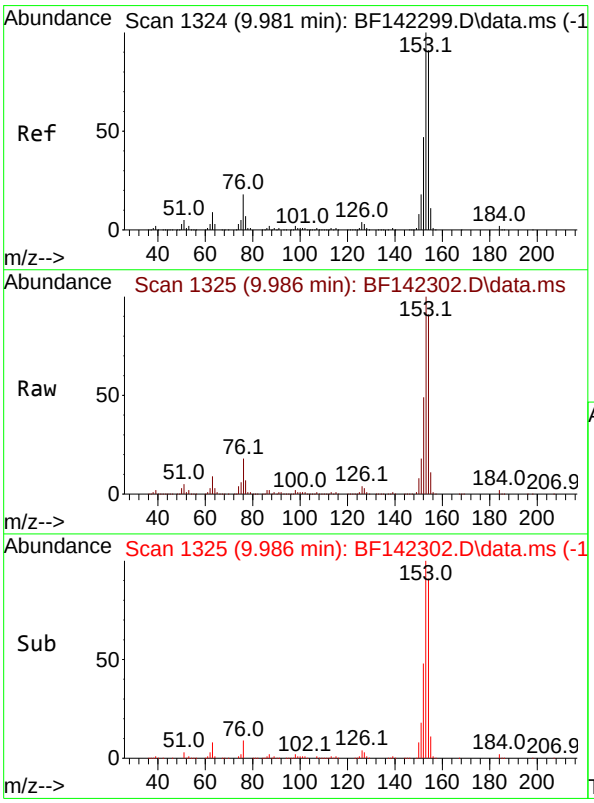
#51
2,6-Dinitrotoluene
Concen: 87.669 ng
RT: 9.733 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 437098

Ion	Ratio	Lower	Upper
165	100		
63	56.2	49.5	74.3
89	50.7	44.6	66.8

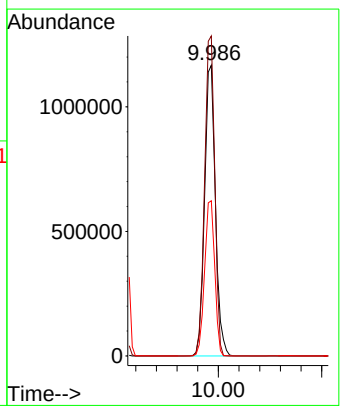


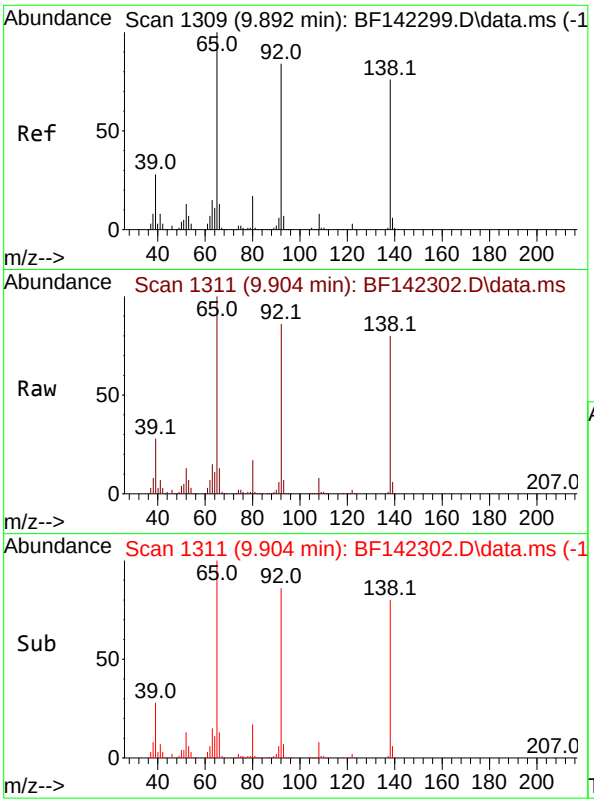


#52
Acenaphthene
Concen: 71.203 ng
RT: 9.986 min Scan# 1325
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:154 Resp: 1694020

Ion	Ratio	Lower	Upper
154	100		
153	110.0	88.0	132.0
152	53.4	41.6	62.4



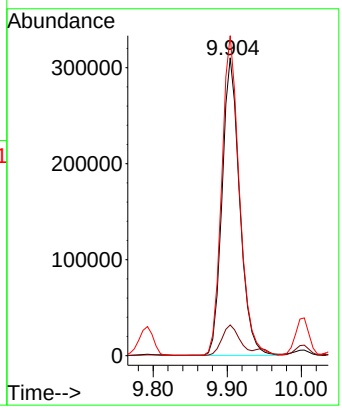


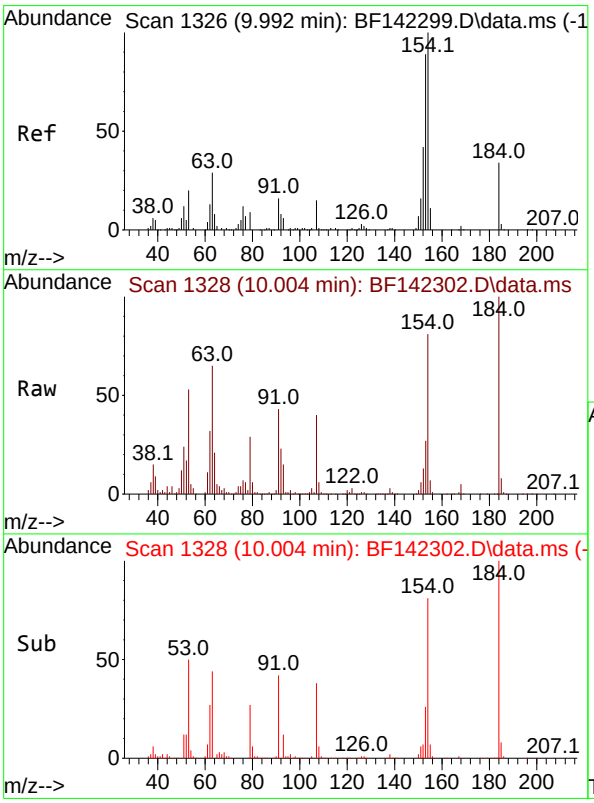
#53
3-Nitroaniline
Concen: 87.244 ng
RT: 9.904 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:138 Resp: 510152

Ion	Ratio	Lower	Upper
138	100		
108	10.3	8.7	13.1
92	107.4	89.5	134.3

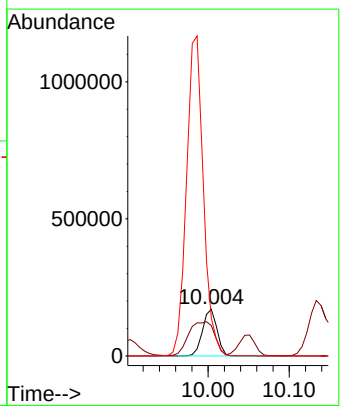


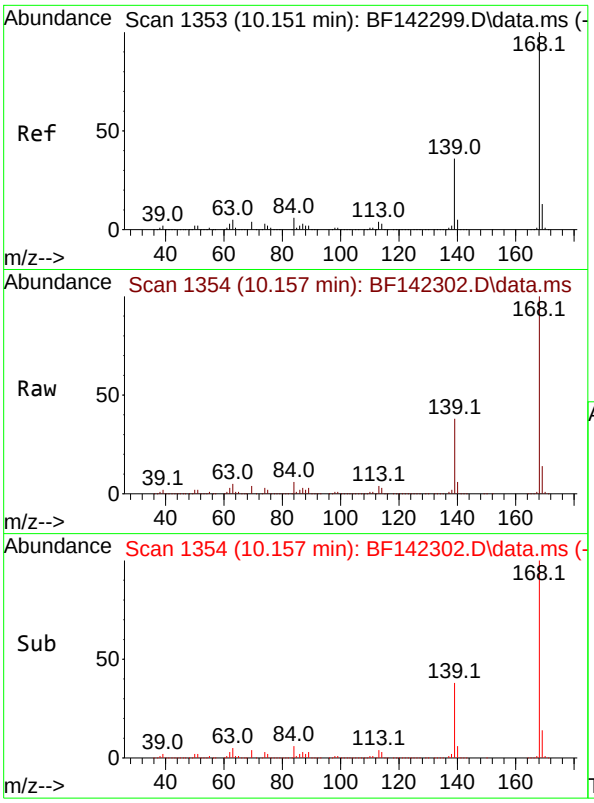


#54
2,4-Dinitrophenol
Concen: 80.686 ng
RT: 10.004 min Scan# 1328
Delta R.T. 0.012 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:184 Resp: 210652

Ion	Ratio	Lower	Upper
184	100		
63	65.1	70.6	105.8#
154	81.2	257.2	385.8#



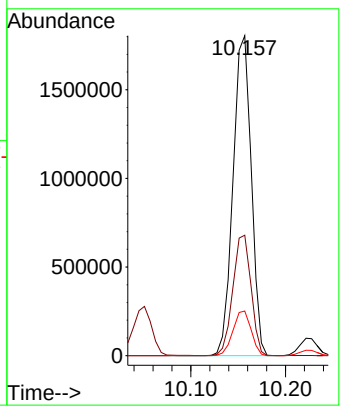


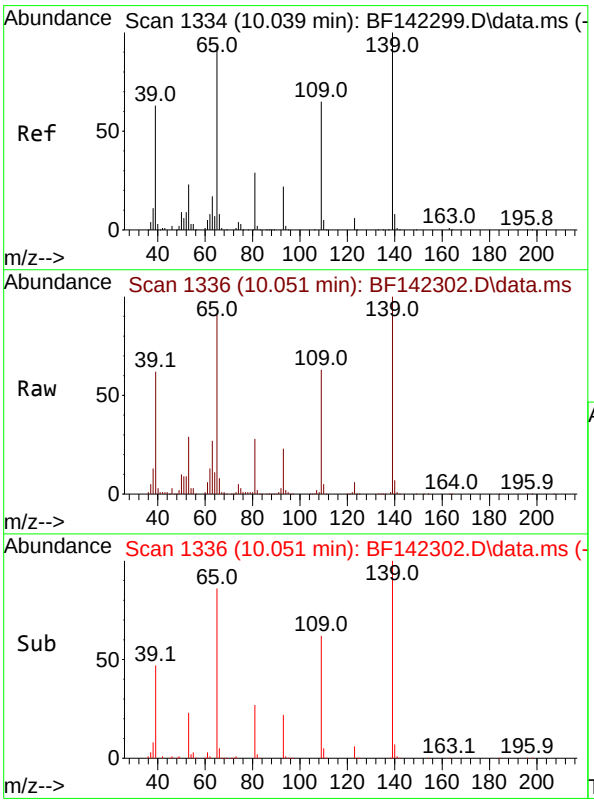
#55
Dibenzofuran
Concen: 68.642 ng
RT: 10.157 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:168 Resp: 2410169

Ion	Ratio	Lower	Upper
168	100		
139	37.7	29.0	43.4
169	13.9	10.7	16.1

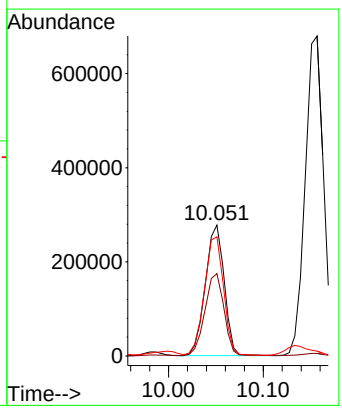


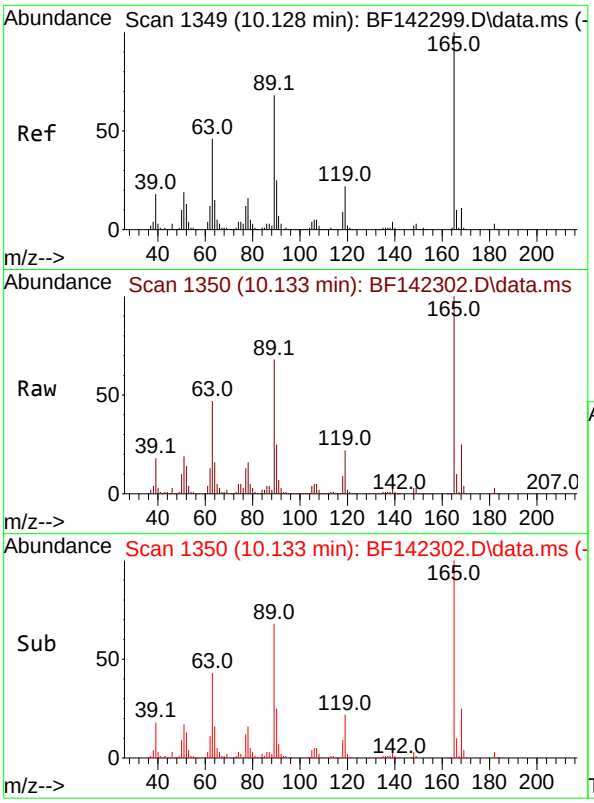


#56
4-Nitrophenol
Concen: 87.250 ng
RT: 10.051 min Scan# 1336
Delta R.T. 0.012 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:139 Resp: 383978

Ion	Ratio	Lower	Upper
139	100		
109	62.9	45.3	85.3
65	91.1	73.9	113.9



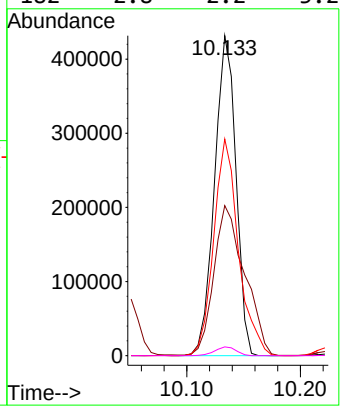


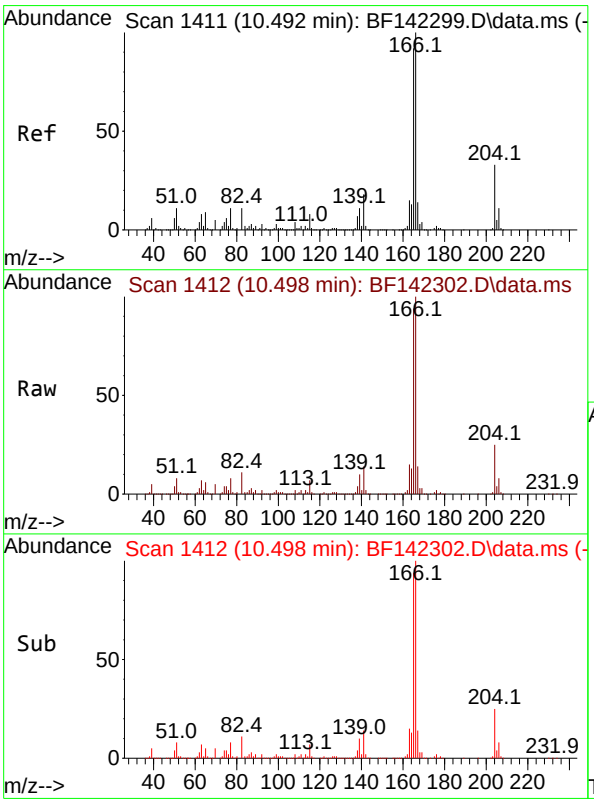
#57
2,4-Dinitrotoluene
Concen: 88.591 ng
RT: 10.133 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:165 Resp: 566575

Ion	Ratio	Lower	Upper
165	100		
63	46.9	37.1	55.7
89	67.7	54.4	81.6
182	2.8	2.2	3.2

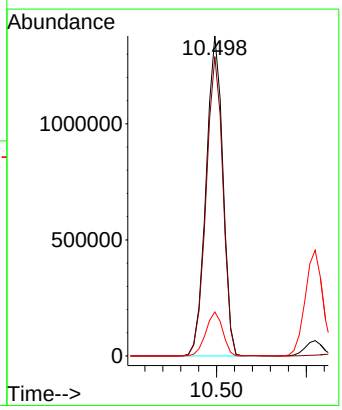


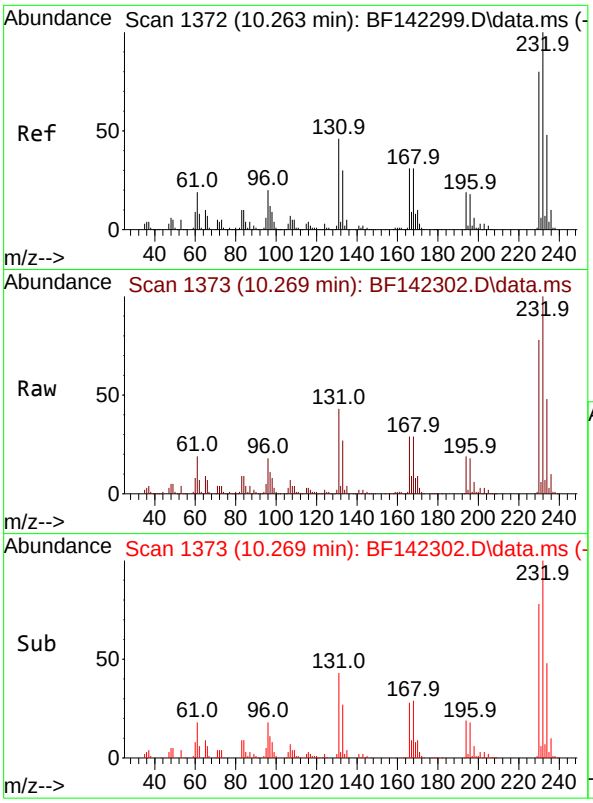


#58
Fluorene
Concen: 66.896 ng
RT: 10.498 min Scan# 1412
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:166 Resp: 1792549

Ion	Ratio	Lower	Upper
166	100		
165	93.6	74.0	111.0
167	13.8	10.9	16.3



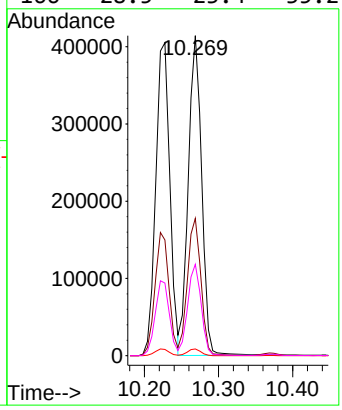


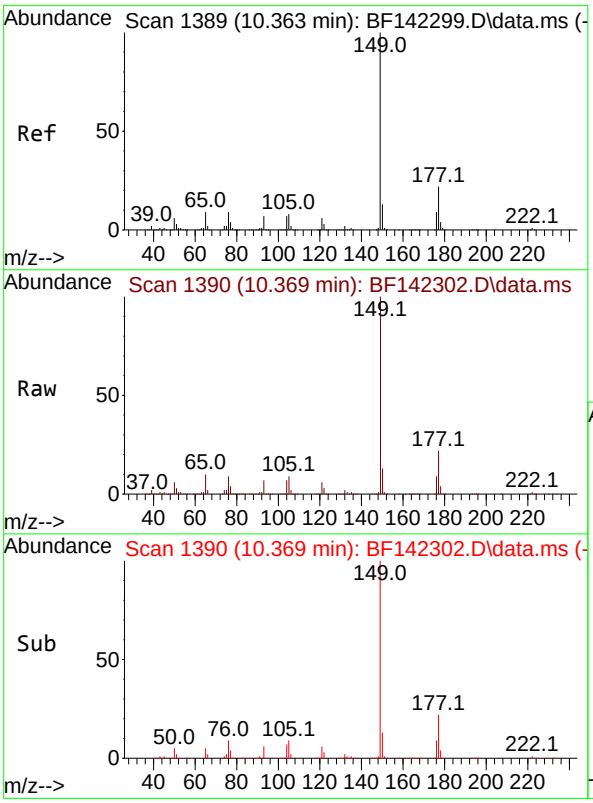
#59
2,3,4,6-Tetrachlorophenol
Concen: 81.113 ng
RT: 10.269 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:232 Resp: 520638

Ion	Ratio	Lower	Upper
232	100		
131	43.0	36.0	54.0
130	2.1	1.8	2.6
166	28.5	23.4	35.2

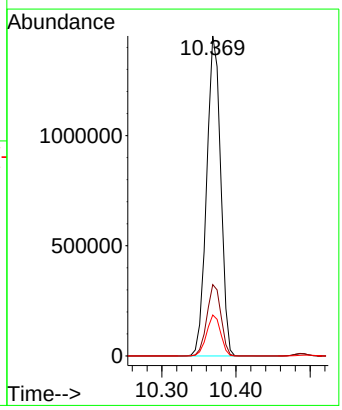


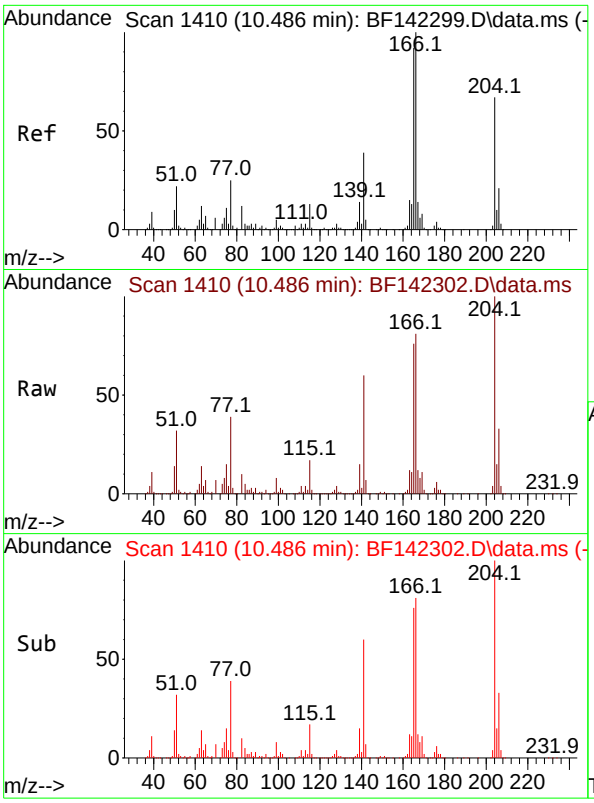


#60
Diethylphthalate
Concen: 71.766 ng
RT: 10.369 min Scan# 1390
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:149 Resp: 1909012

Ion	Ratio	Lower	Upper
149	100		
177	22.3	17.6	26.4
150	12.8	10.1	15.1



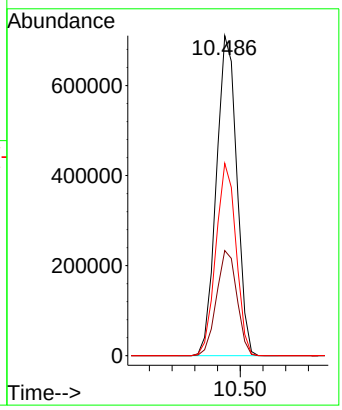


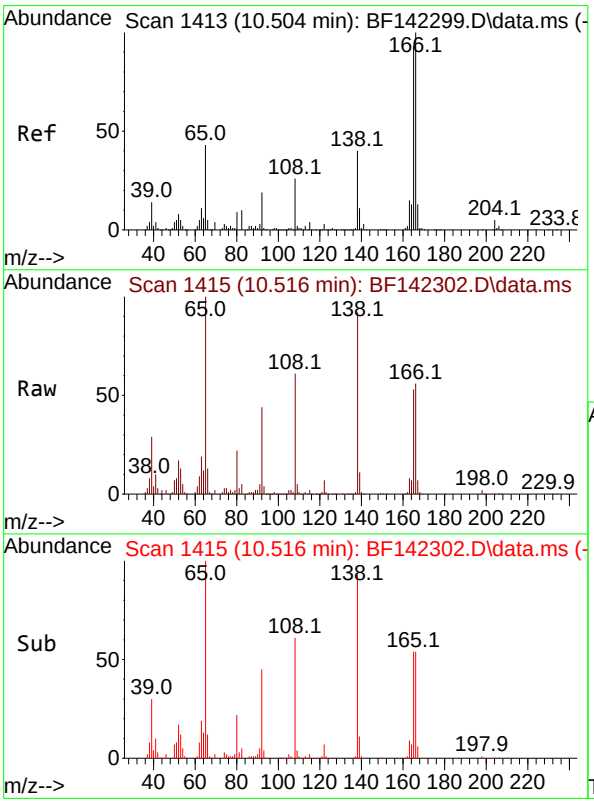
#61
4-Chlorophenyl-phenylether
Concen: 68.707 ng
RT: 10.486 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:204 Resp: 888242

Ion	Ratio	Lower	Upper
204	100		
206	32.9	25.5	38.3
141	60.1	46.4	69.6

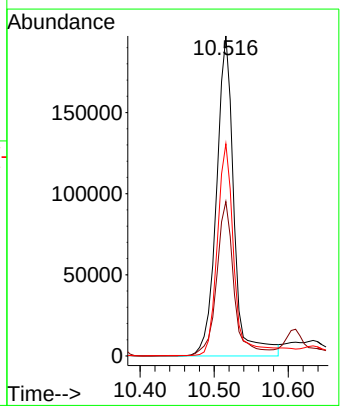


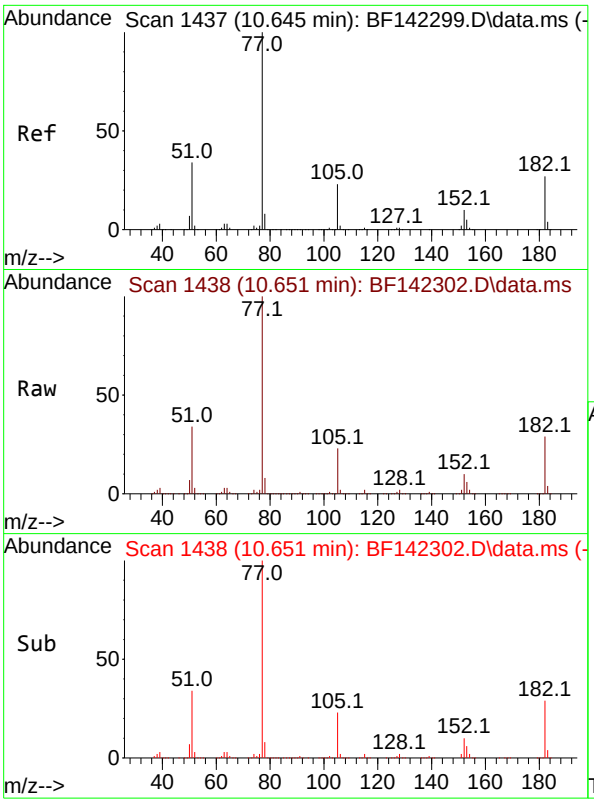


#62
4-Nitroaniline
Concen: 69.894 ng
RT: 10.516 min Scan# 1415
Delta R.T. 0.012 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:138 Resp: 323923

Ion	Ratio	Lower	Upper
138	100		
92	48.3	27.3	67.3
108	66.3	45.1	85.1



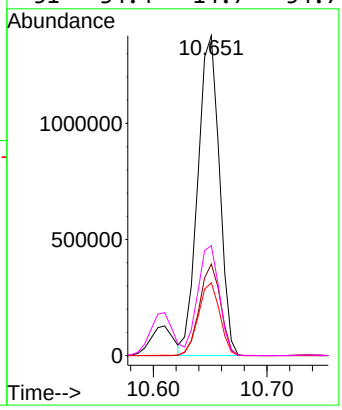


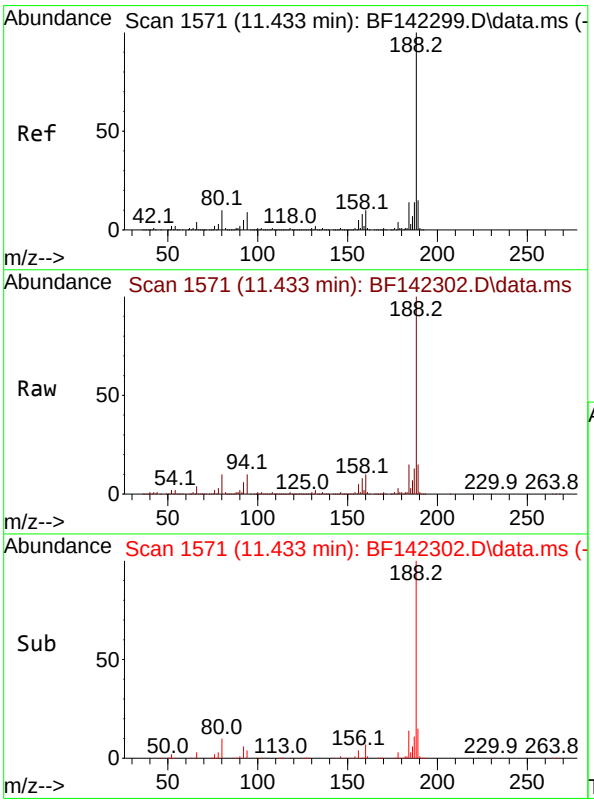
#63
Azobenzene
Concen: 71.660 ng
RT: 10.651 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 1821504

Ion	Ratio	Lower	Upper
77	100		
182	28.6	6.9	46.9
105	22.8	2.7	42.7
51	34.4	14.7	54.7

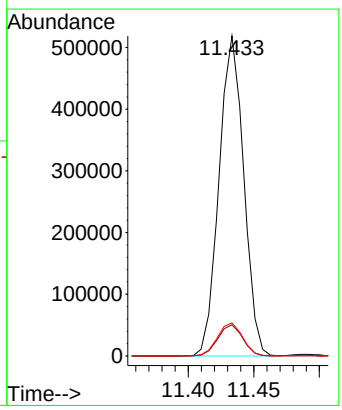


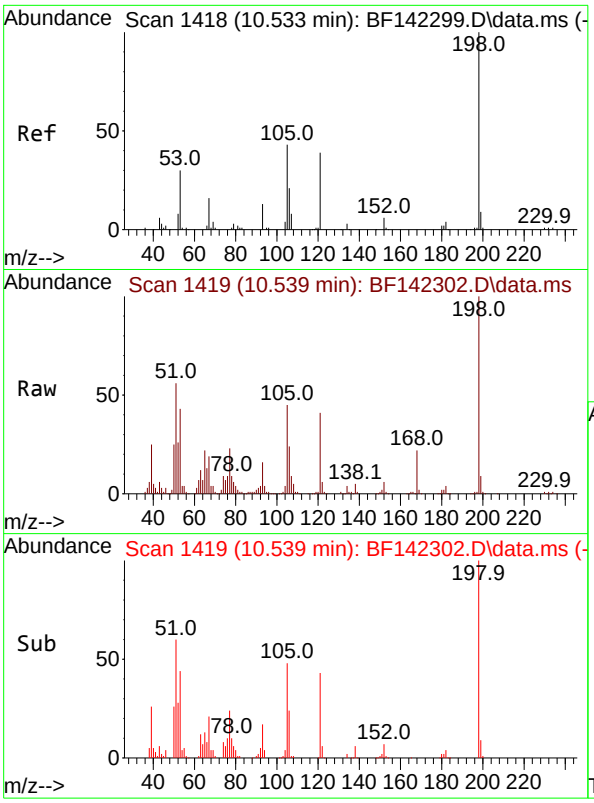


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.000 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:188 Resp: 679241

Ion	Ratio	Lower	Upper
188	100		
94	9.7	7.5	11.3
80	10.3	7.9	11.9



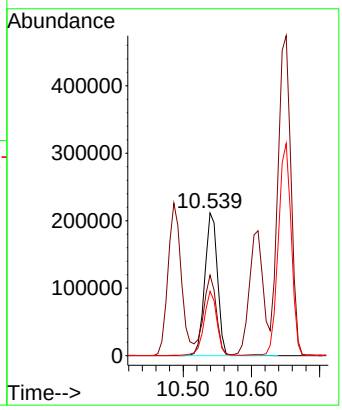


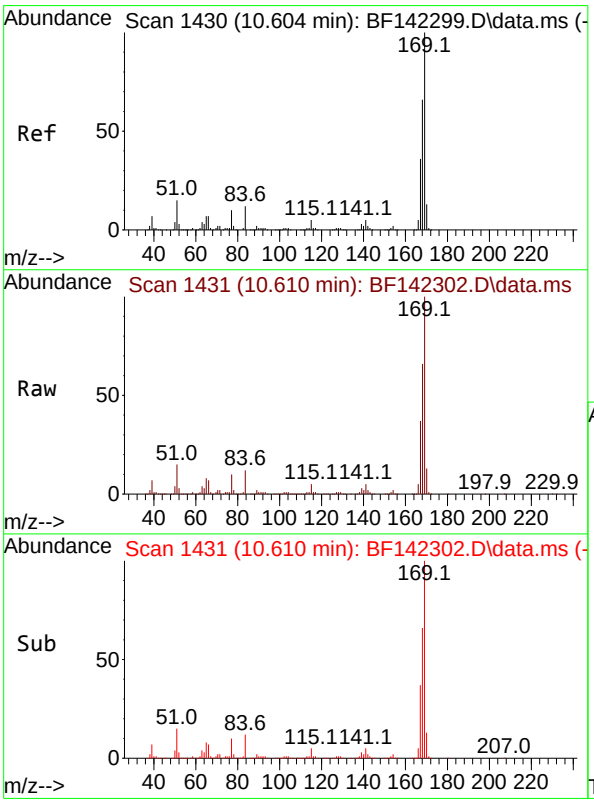
#65
4,6-Dinitro-2-methylphenol
Concen: 80.746 ng
RT: 10.539 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:198 Resp: 273917

Ion	Ratio	Lower	Upper
198	100		
51	56.4	32.9	72.9
105	45.1	23.7	63.7

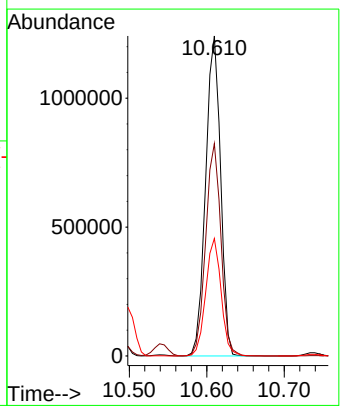


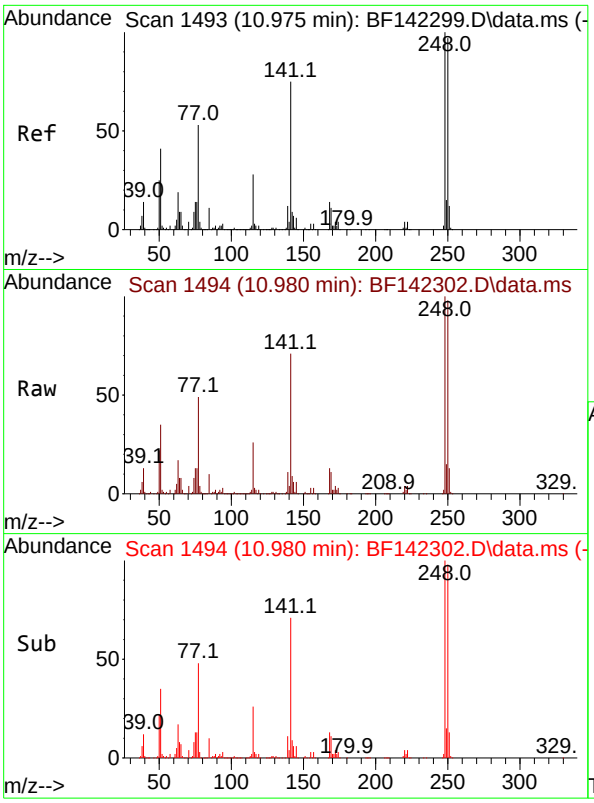


#66
n-Nitrosodiphenylamine
Concen: 73.372 ng
RT: 10.610 min Scan# 1431
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:169 Resp: 1658390

Ion	Ratio	Lower	Upper
169	100		
168	66.3	53.2	79.8
167	36.7	28.9	43.3



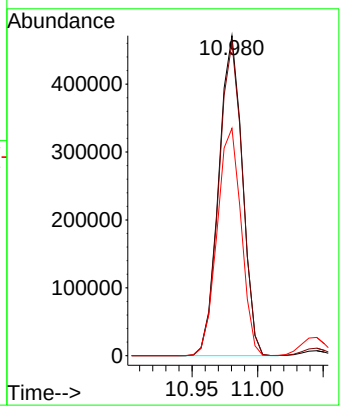


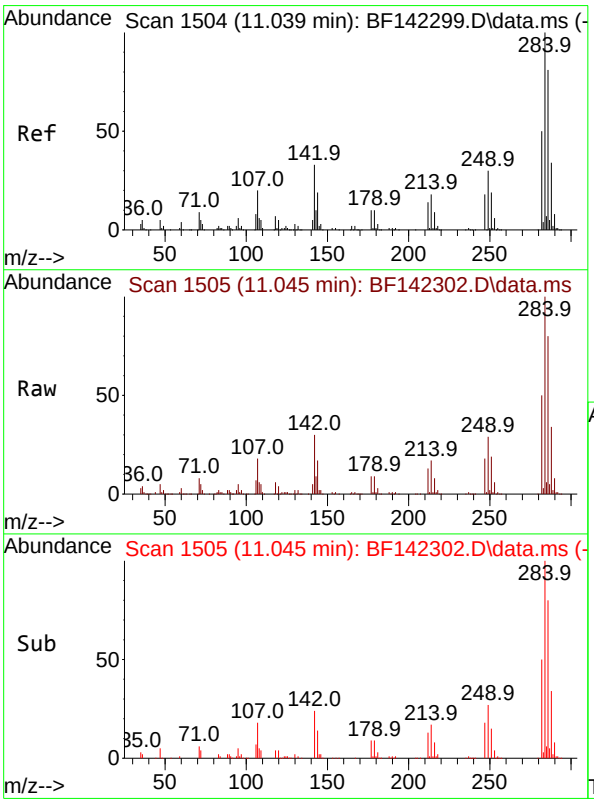
#67
4-Bromophenyl-phenylether
Concen: 76.716 ng
RT: 10.980 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:248 Resp: 590568

Ion	Ratio	Lower	Upper
248	100		
250	97.9	77.9	116.9
141	71.0	59.8	89.8

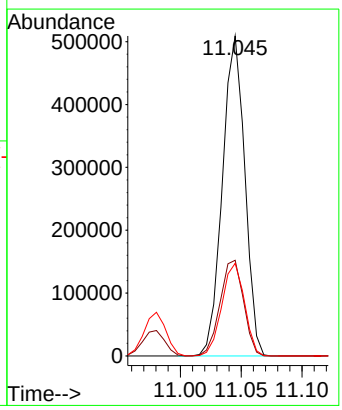


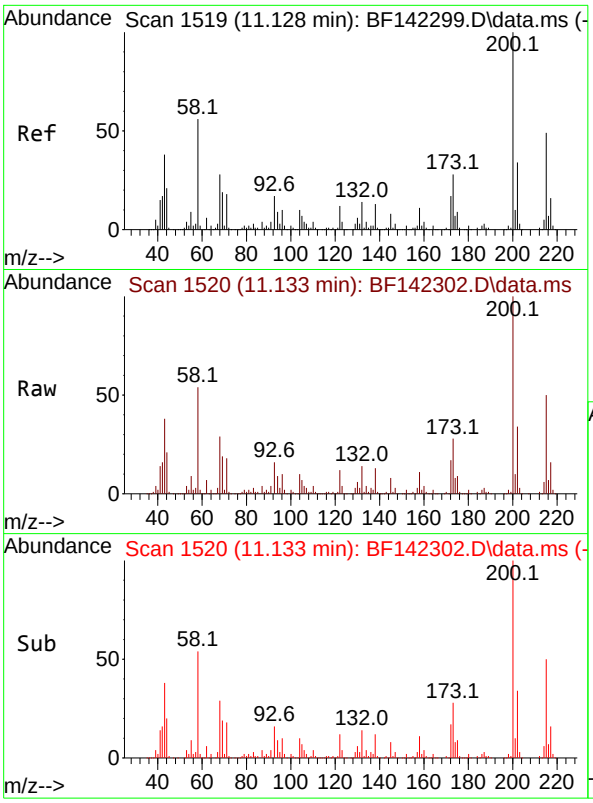


#68
Hexachlorobenzene
Concen: 76.857 ng
RT: 11.045 min Scan# 1505
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:284 Resp: 650802

Ion	Ratio	Lower	Upper
284	100		
142	29.9	26.6	39.8
249	29.0	24.1	36.1



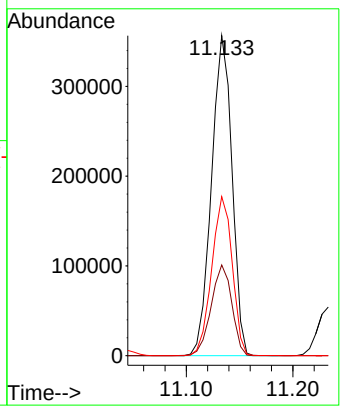


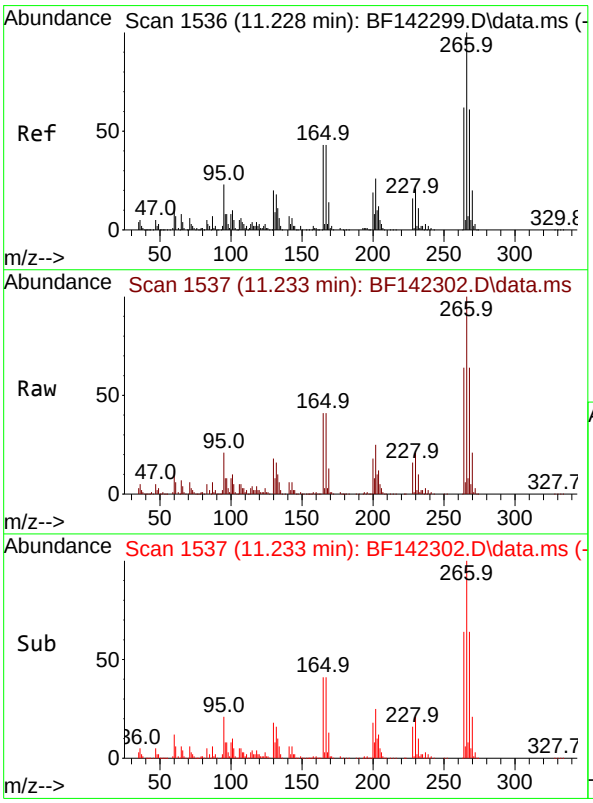
#69
Atrazine
Concen: 79.910 ng
RT: 11.133 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:200 Resp: 476112

Ion	Ratio	Lower	Upper
200	100		
173	28.4	8.1	48.1
215	49.7	28.8	68.8

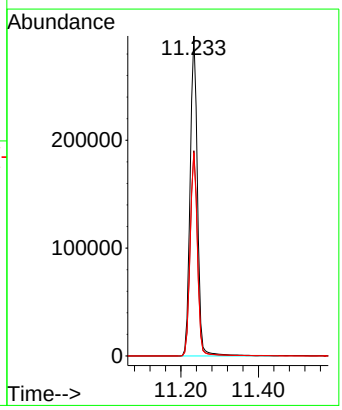


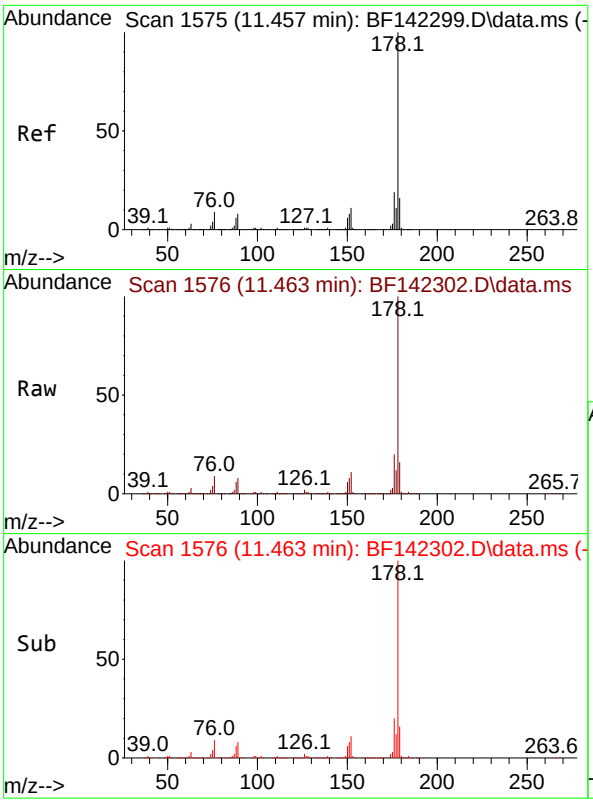


#70
Pentachlorophenol
Concen: 87.666 ng
RT: 11.233 min Scan# 1537
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:266 Resp: 390517

Ion	Ratio	Lower	Upper
266	100		
268	64.2	48.7	73.1
264	63.5	49.8	74.6



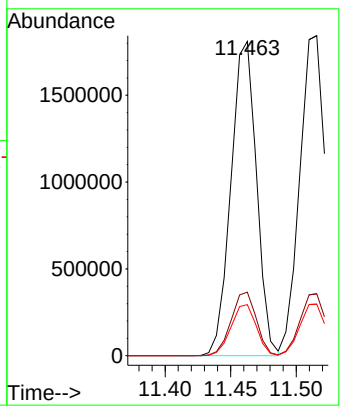


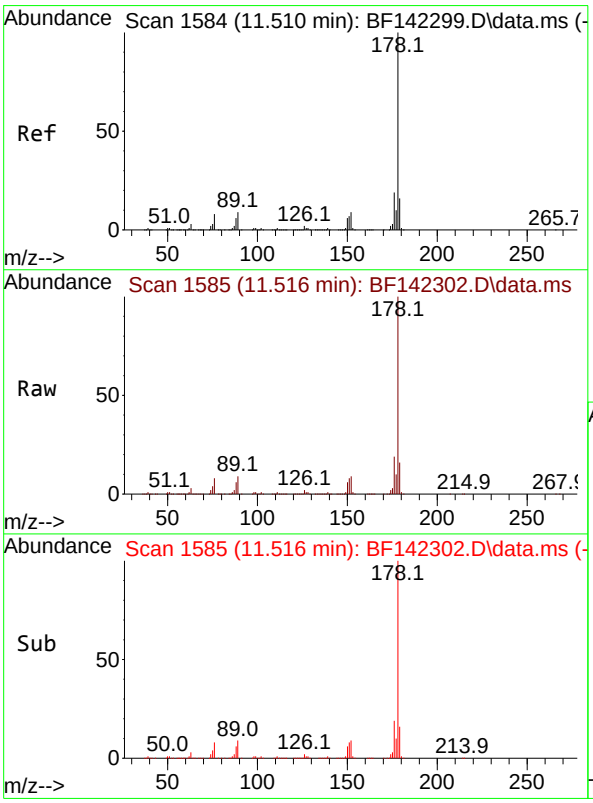
#71
Phenanthrene
Concen: 69.101 ng
RT: 11.463 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:178 Resp: 2460275

Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.5	23.3
179	16.2	12.6	18.8

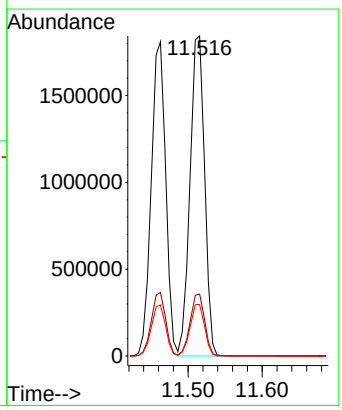


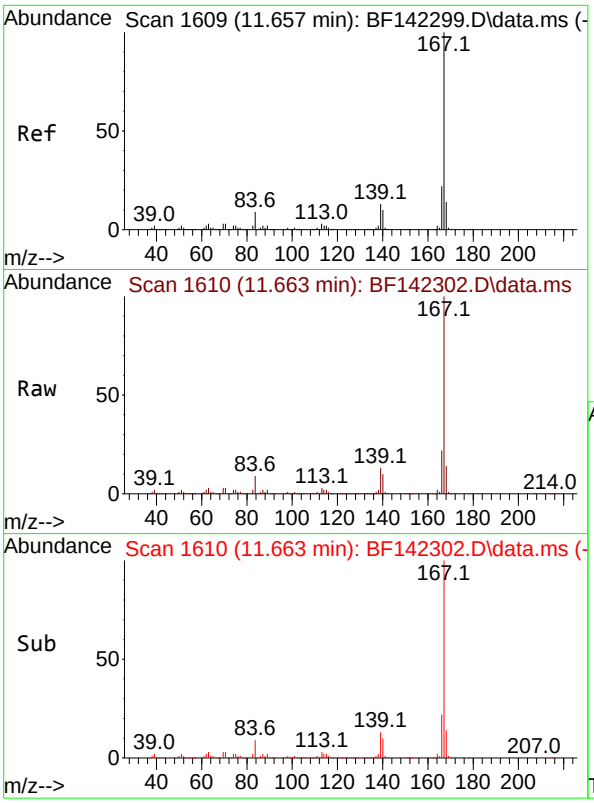


#72
Anthracene
Concen: 68.834 ng
RT: 11.516 min Scan# 1585
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:178 Resp: 2518162

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	16.1	12.6	18.8



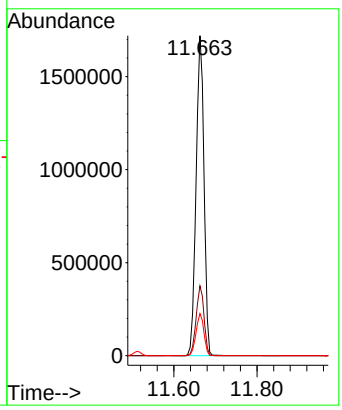


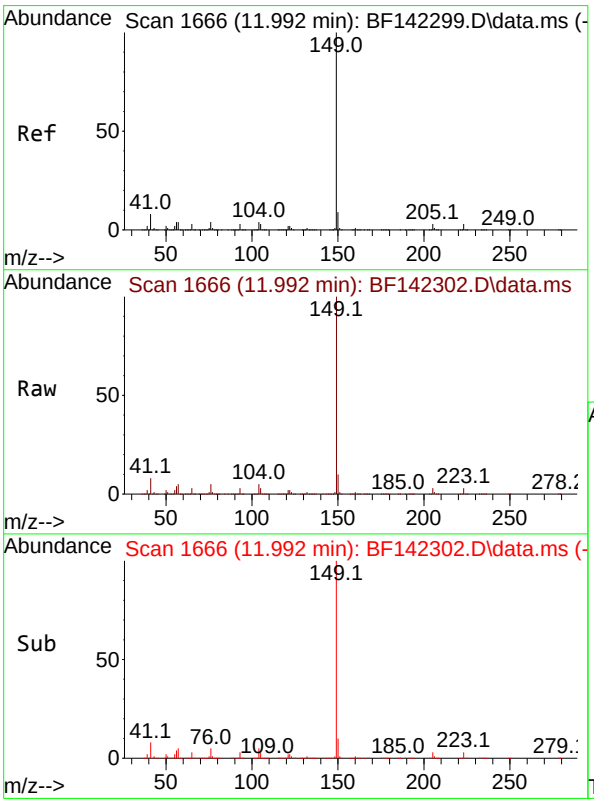
#73
Carbazole
Concen: 69.290 ng
RT: 11.663 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:167 Resp: 2274167

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.2	25.8
139	13.2	10.3	15.5

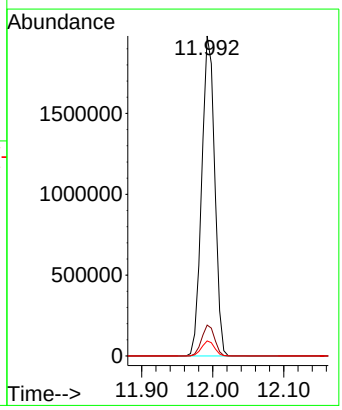


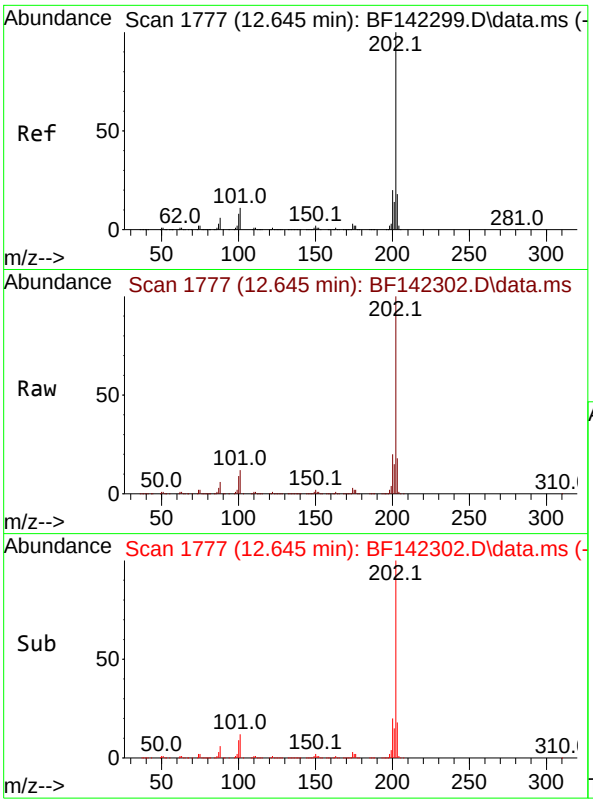


#74
Di-n-butylphthalate
Concen: 73.060 ng
RT: 11.992 min Scan# 1666
Delta R.T. -0.000 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:149 Resp: 2521480

Ion	Ratio	Lower	Upper
149	100		
150	9.7	7.5	11.3
104	4.7	3.6	5.4



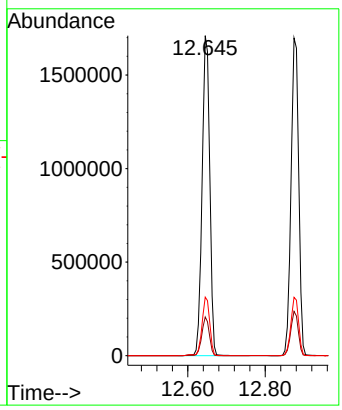


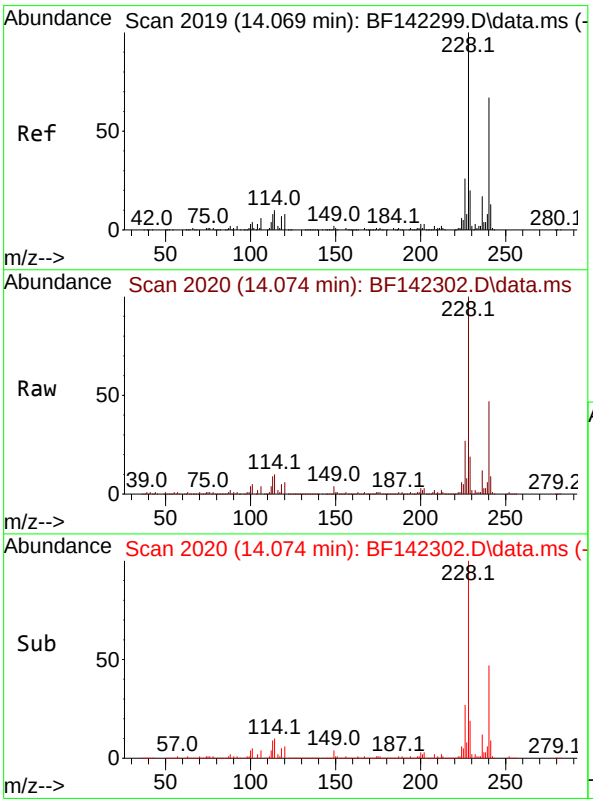
#75
Fluoranthene
Concen: 65.892 ng
RT: 12.645 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:202 Resp: 2345160

Ion	Ratio	Lower	Upper
202	100		
101	12.1	0.0	31.4
203	18.3	0.0	37.9

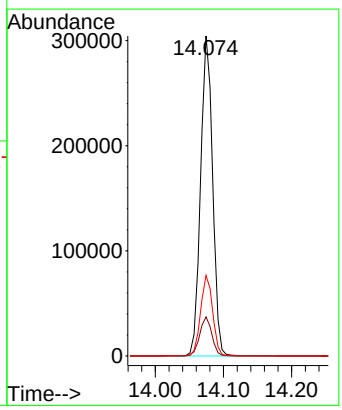


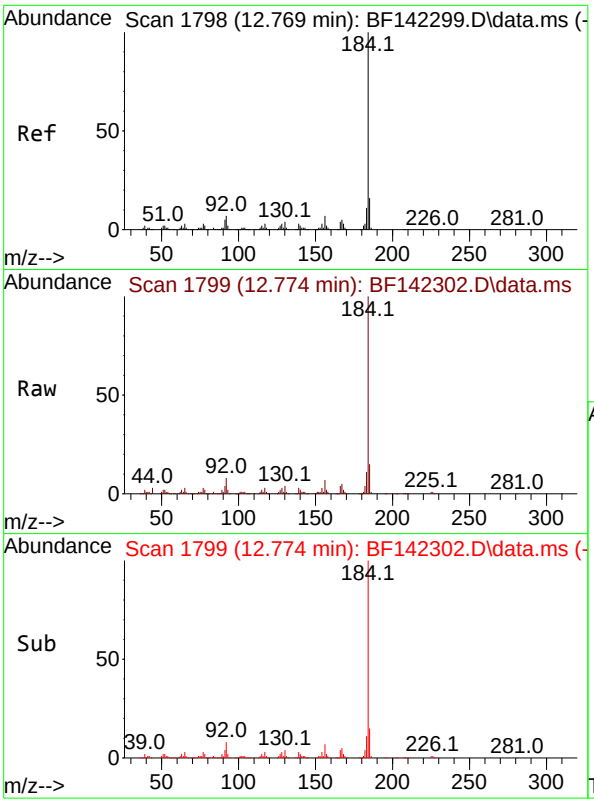


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:240 Resp: 373928

Ion	Ratio	Lower	Upper
240	100		
120	12.2	9.7	14.5
236	25.2	20.0	30.0



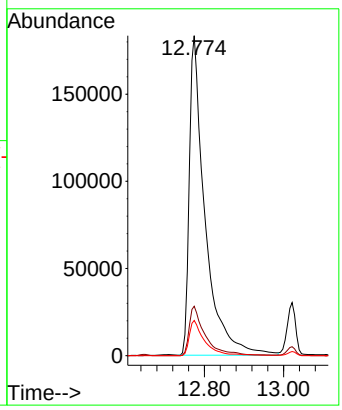


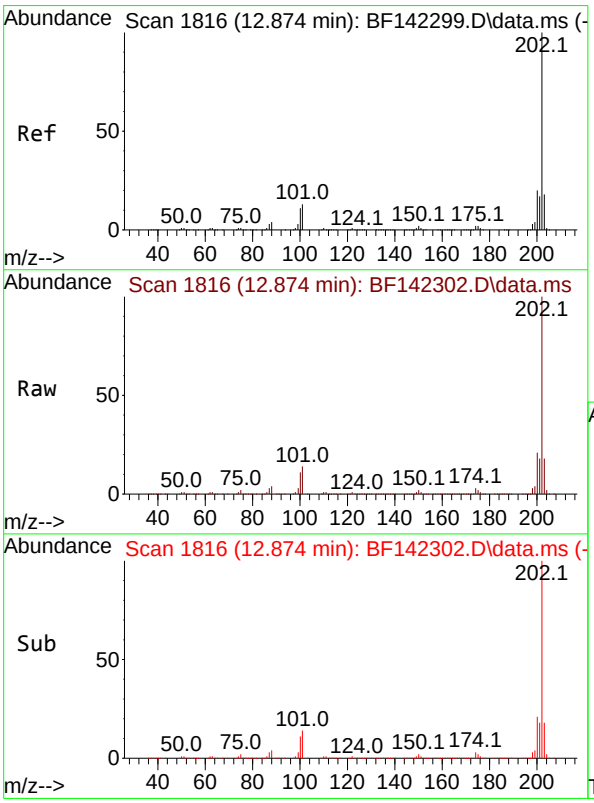
#77
Benzidine
Concen: 74.263 ng
RT: 12.774 min Scan# 1
Delta R.T. 0.005 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:184 Resp: 504643

Ion	Ratio	Lower	Upper
184	100		
185	15.5	12.6	18.8
183	11.0	8.6	12.8

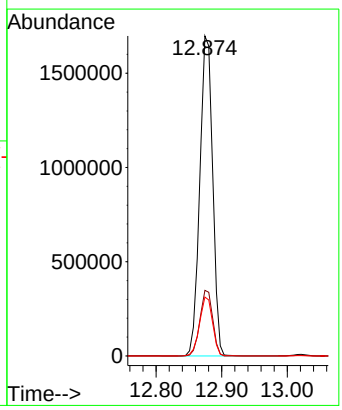


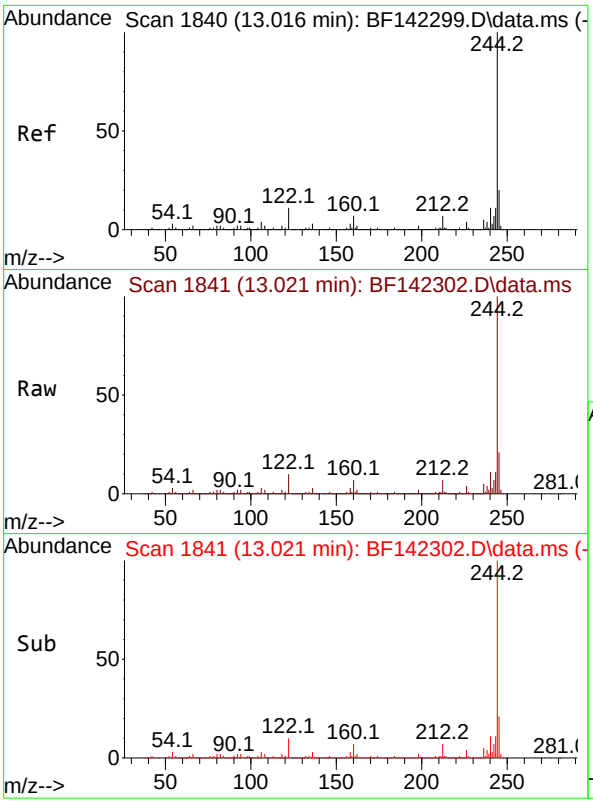


#78
Pyrene
Concen: 69.874 ng
RT: 12.874 min Scan# 1816
Delta R.T. -0.000 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:202 Resp: 2325631

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.2	24.4
203	18.4	14.3	21.5



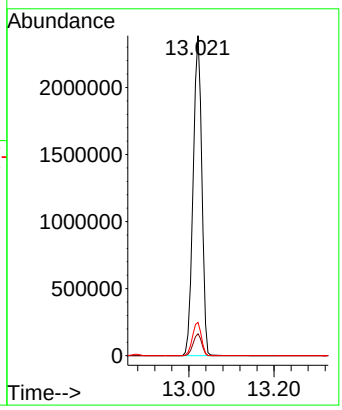


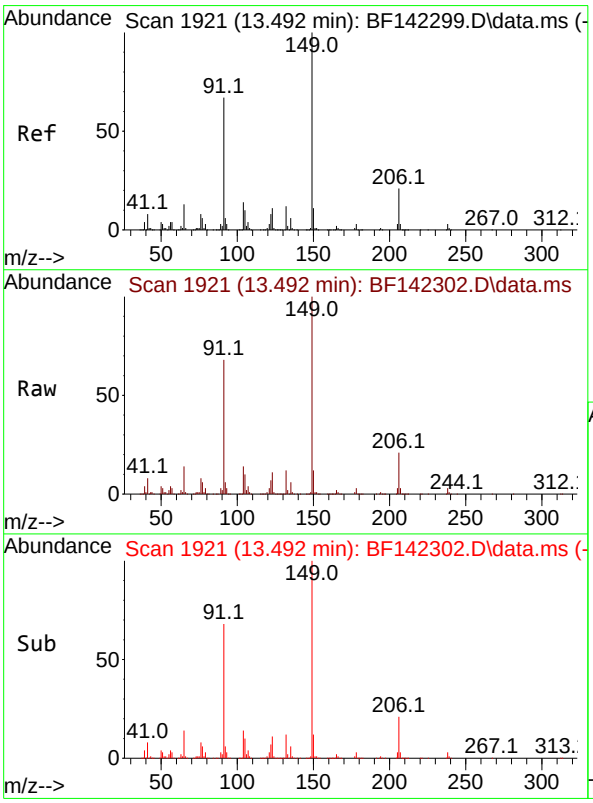
#79
Terphenyl-d14
Concen: 133.004 ng
RT: 13.021 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:244 Resp: 3360156

Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.4	8.2
122	10.4	9.0	13.4

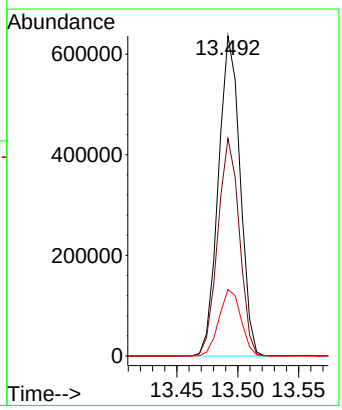


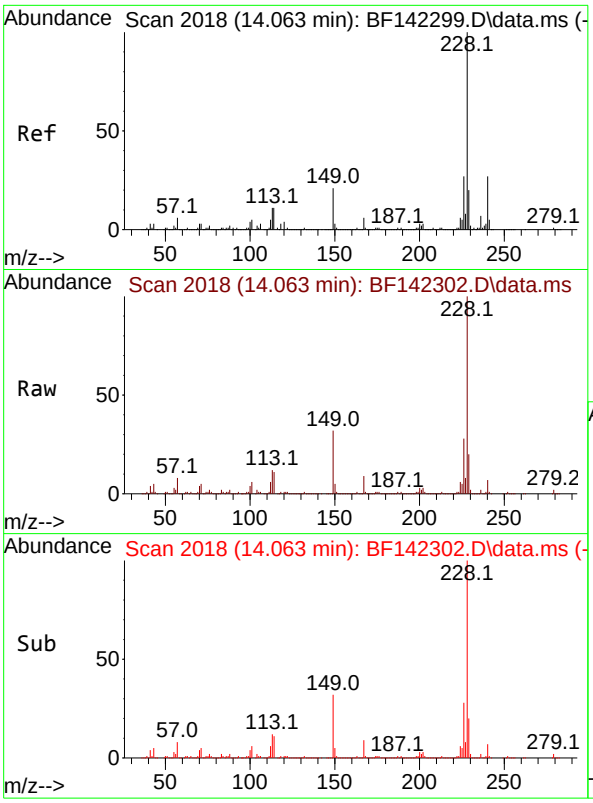


#80
Butylbenzylphthalate
Concen: 78.621 ng
RT: 13.492 min Scan# 1921
Delta R.T. -0.000 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:149 Resp: 788213

Ion	Ratio	Lower	Upper
149	100		
91	67.9	53.8	80.6
206	20.8	16.6	24.8



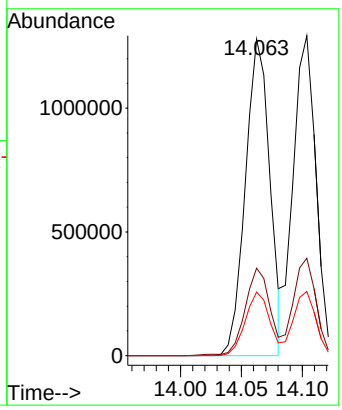


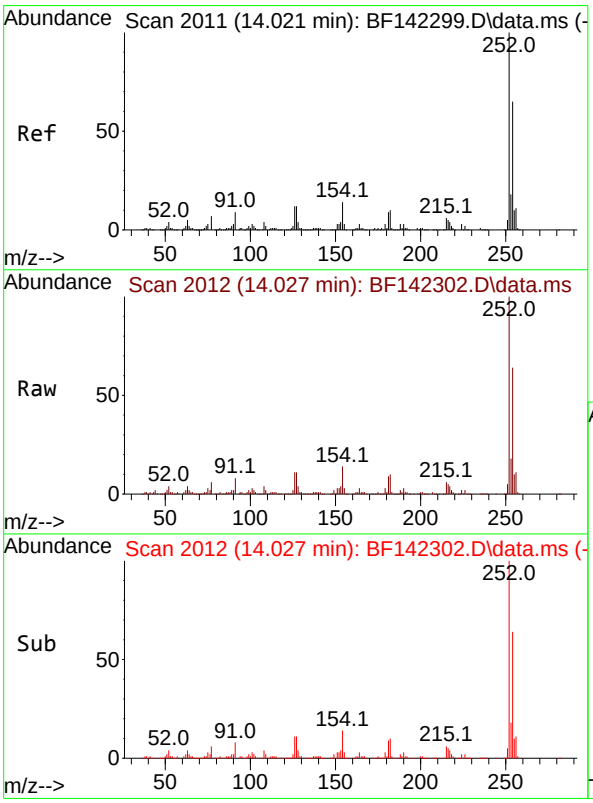
#81
Benzo(a)anthracene
Concen: 73.621 ng
RT: 14.063 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:228 Resp: 1782801

Ion	Ratio	Lower	Upper
228	100		
226	27.7	21.5	32.3
229	20.1	15.9	23.9

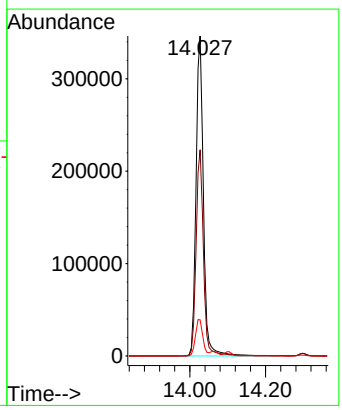


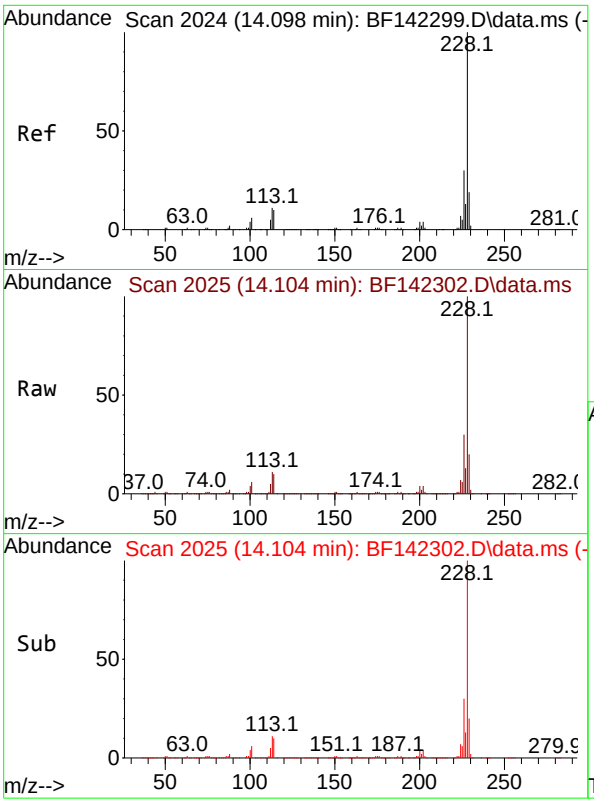


#82
3,3'-Dichlorobenzidine
Concen: 84.217 ng
RT: 14.027 min Scan# 2012
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:252 Resp: 474263

Ion	Ratio	Lower	Upper
252	100		
254	64.5	52.0	78.0
126	11.3	9.7	14.5



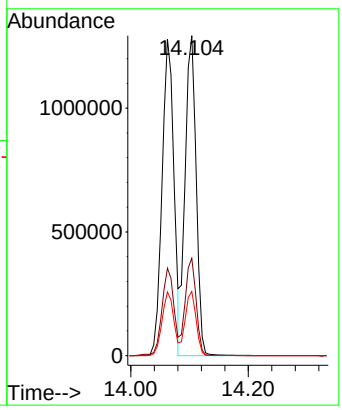


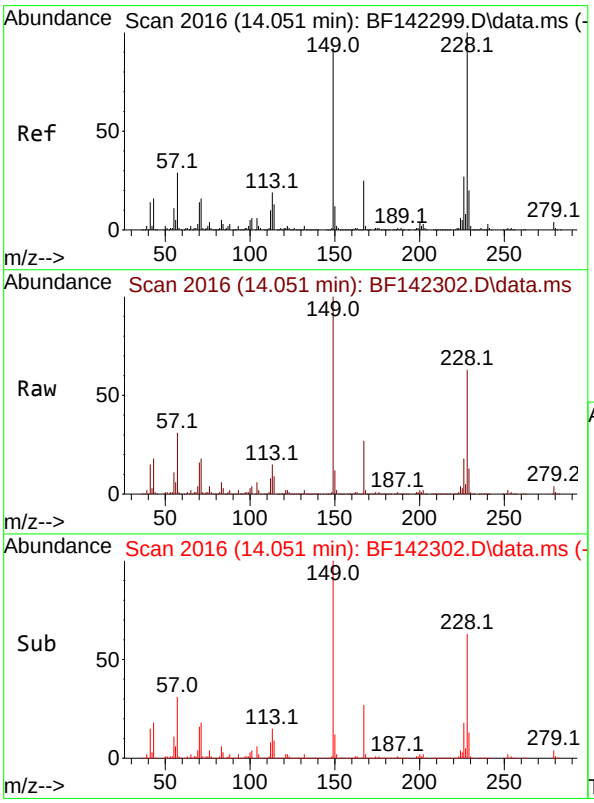
#83
Chrysene
Concen: 74.873 ng
RT: 14.104 min Scan# 2(
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:228 Resp: 1687889

Ion	Ratio	Lower	Upper
228	100		
226	30.4	23.9	35.9
229	20.0	15.4	23.2

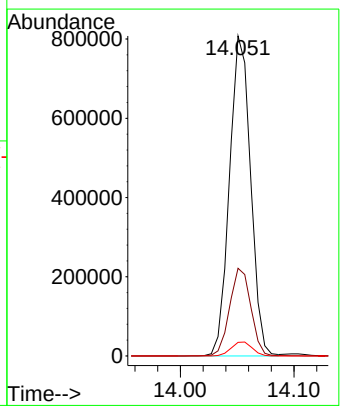


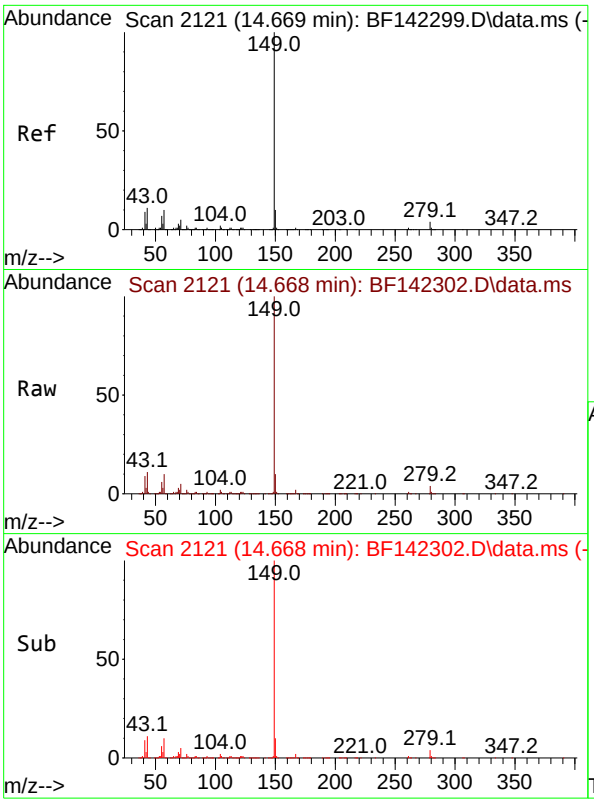


#84
Bis(2-ethylhexyl)phthalate
Concen: 79.404 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.000 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:149 Resp: 1042846

Ion	Ratio	Lower	Upper
149	100		
167	27.4	22.0	33.0
279	4.2	3.0	4.6



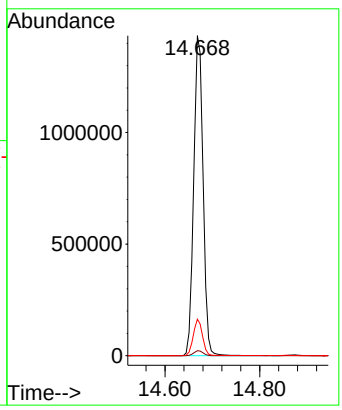


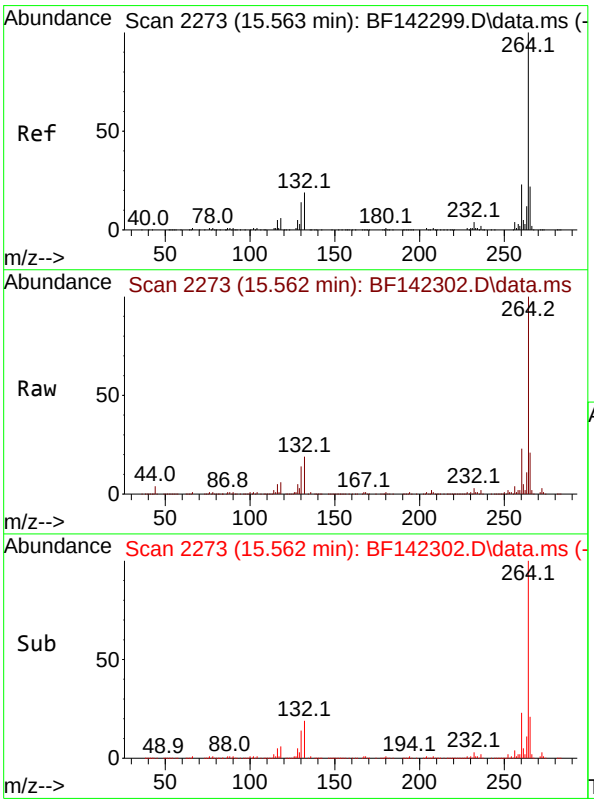
#85
Di-n-octyl phthalate
Concen: 80.100 ng
RT: 14.668 min Scan# 21
Delta R.T. -0.001 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:149 Resp: 1969676

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	11.3	9.2	13.8

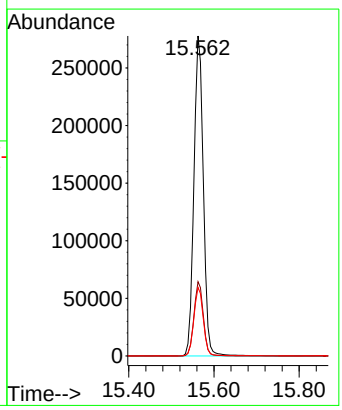


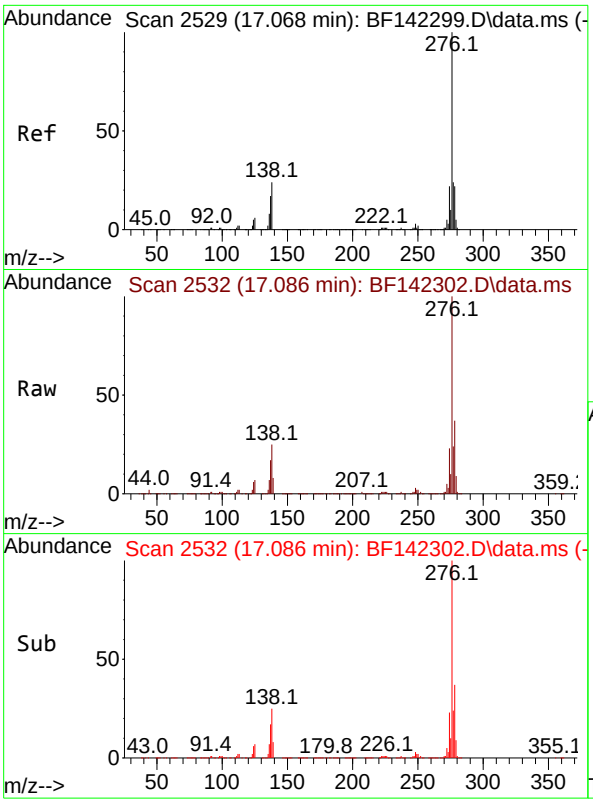


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 2273
Delta R.T. -0.000 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:264 Resp: 426614

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.6	27.8
265	21.4	17.5	26.3



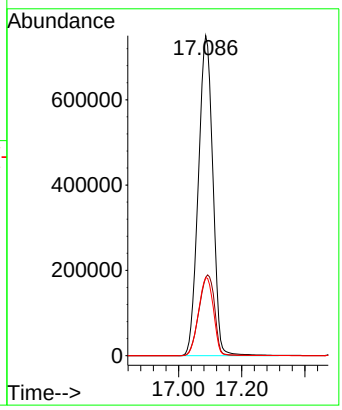


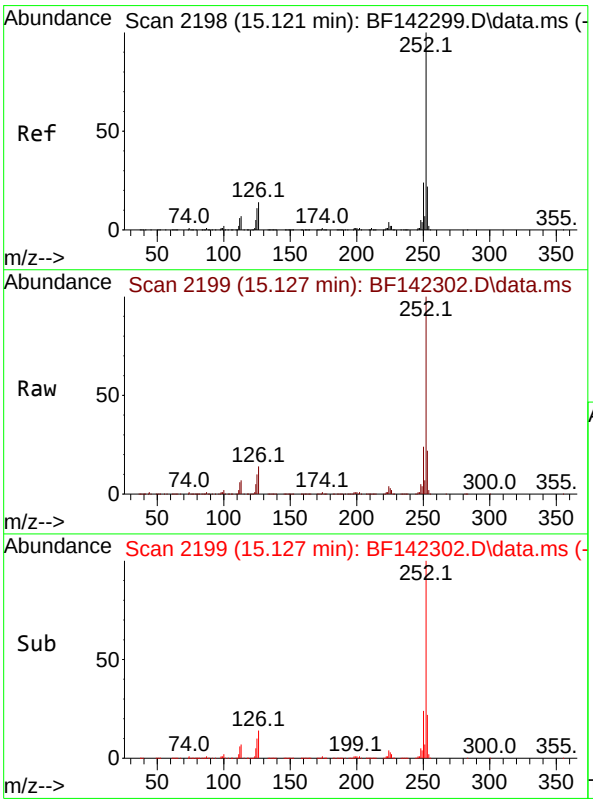
#87
Indeno(1,2,3-cd)pyrene
Concen: 80.614 ng
RT: 17.086 min Scan# 2
Delta R.T. 0.017 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:276 Resp: 2392344

Ion	Ratio	Lower	Upper
276	100		
138	27.3	22.0	33.0
277	25.3	20.1	30.1

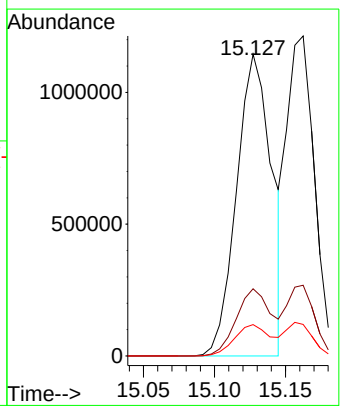


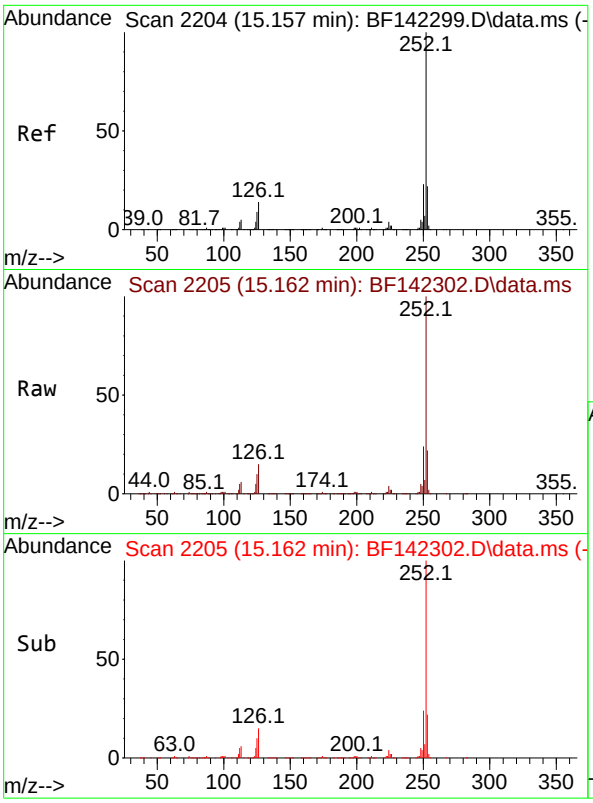


#88
Benzo(b)fluoranthene
Concen: 76.350 ng
RT: 15.127 min Scan# 2199
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:252 Resp: 1972745

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	10.4	8.7	13.1



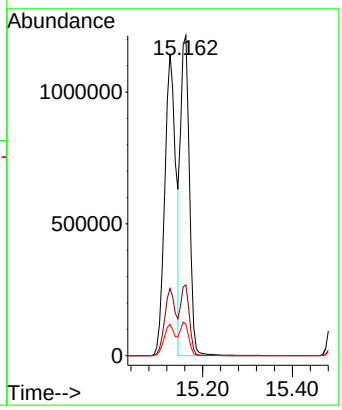


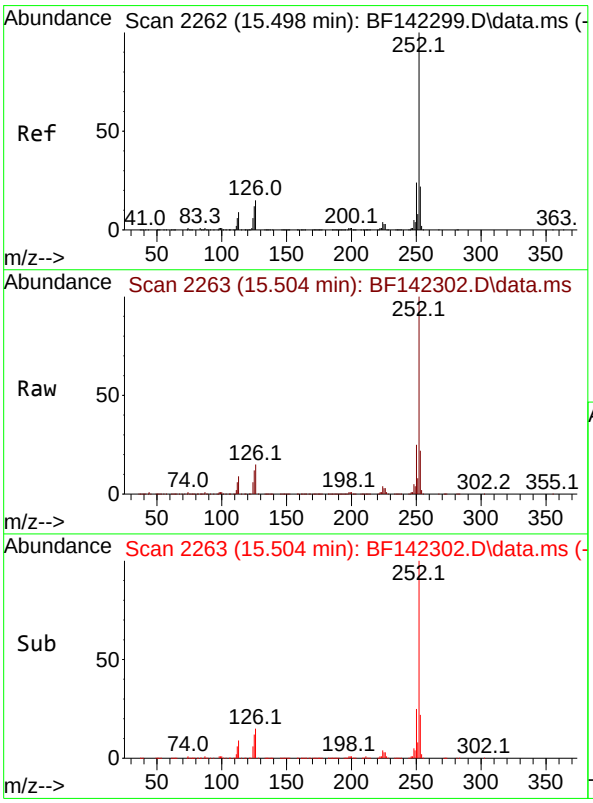
#89
Benzo(k)fluoranthene
Concen: 69.919 ng
RT: 15.162 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 1653244

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	9.9	8.1	12.1

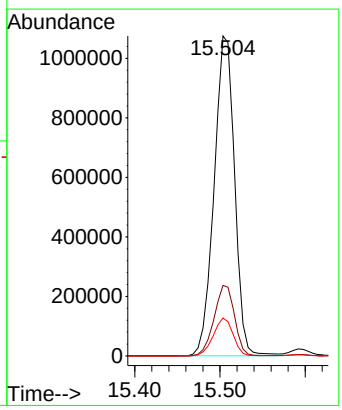


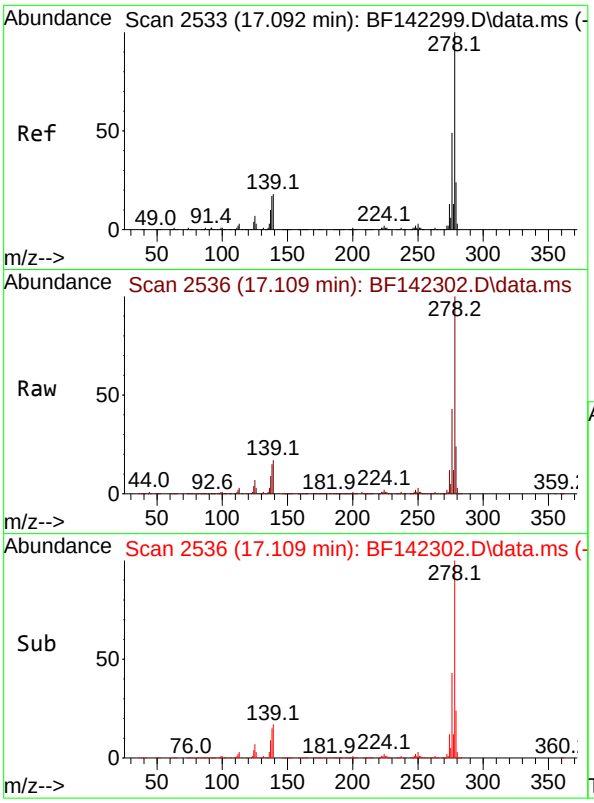


#90
Benzo(a)pyrene
Concen: 77.653 ng
RT: 15.504 min Scan# 2263
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:252 Resp: 1797975

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.6
125	11.9	9.4	14.0



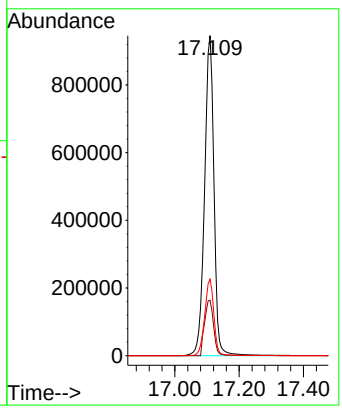


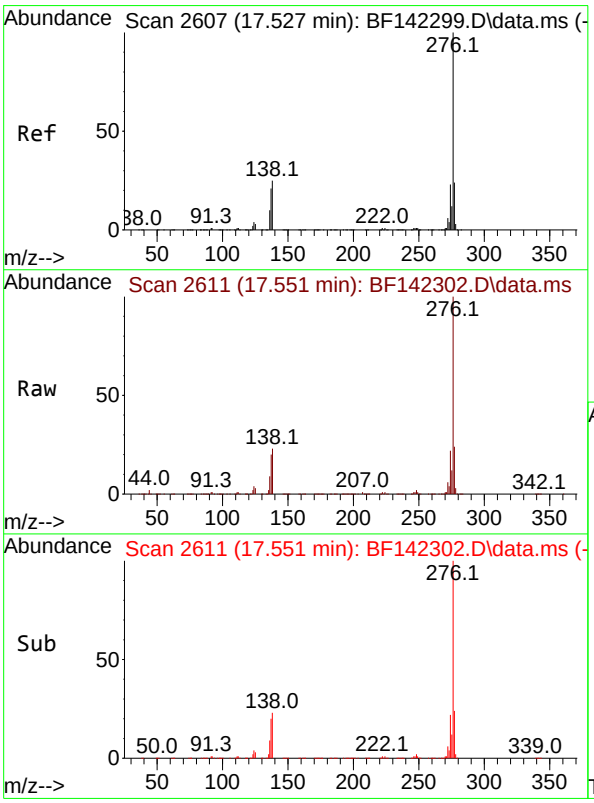
#91
Dibenzo(a,h)anthracene
Concen: 78.562 ng
RT: 17.109 min Scan# 2
Delta R.T. 0.017 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:278 Resp: 1926135

Ion	Ratio	Lower	Upper
278	100		
139	17.4	14.5	21.7
279	23.9	18.9	28.3

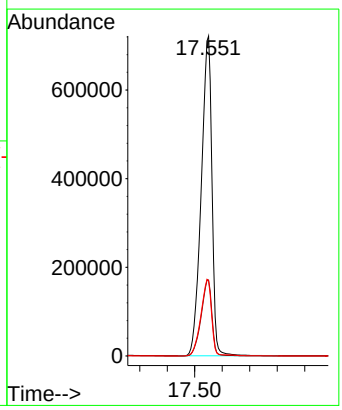




#92
Benzo(g,h,i)perylene
Concen: 80.182 ng
RT: 17.551 min Scan# 2611
Delta R.T. 0.023 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Tgt Ion:276 Resp: 1951121

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.0	28.6
138	23.4	19.8	29.6



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142303.D
Acq On : 05 May 2025 18:13
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Quant Time: May 05 18:41:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	230180	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	893807	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	478877	20.000	ng	0.00
64) Phenanthrene-d10	11.433	188	810843	20.000	ng	0.00
76) Chrysene-d12	14.074	240	446151	20.000	ng	0.00
86) Perylene-d12	15.563	264	447218	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	1038606	77.026	ng	0.00
7) Phenol-d6	6.522	99	1267516	76.429	ng	0.00
23) Nitrobenzene-d5	7.469	82	1224734	83.567	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	384712	83.209	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	2396964	71.371	ng	0.00
79) Terphenyl-d14	13.016	244	2301923	76.366	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.687	88	231020	38.046	ng	99
3) Pyridine	3.452	79	584384	40.992	ng	99
4) n-Nitrosodimethylamine	3.405	42	317717	38.346	ng	100
6) Aniline	6.569	93	686015	42.173	ng	99
8) 2-Chlorophenol	6.687	128	572045	39.701	ng	100
9) Benzaldehyde	6.457	77	330476	34.048	ng	100
10) Phenol	6.540	94	715941	40.645	ng	98
11) bis(2-Chloroethyl)ether	6.640	93	583659	33.668	ng	99
12) 1,3-Dichlorobenzene	6.845	146	616110	37.375	ng	99
13) 1,4-Dichlorobenzene	6.922	146	623676	37.681	ng	99
14) 1,2-Dichlorobenzene	7.075	146	600086	37.772	ng	99
15) Benzyl Alcohol	7.045	79	436337	40.632	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.181	45	983896	38.006	ng	100
17) 2-Methylphenol	7.151	107	454505	38.961	ng	100
18) Hexachloroethane	7.422	117	218260	39.633	ng	100
19) n-Nitroso-di-n-propyla...	7.322	70	394300	38.437	ng	98
20) 3+4-Methylphenols	7.304	107	569096	39.089	ng	97
22) Acetophenone	7.316	105	745621	37.519	ng	99
24) Nitrobenzene	7.487	77	572370	41.431	ng	99
25) Isophorone	7.728	82	1066427	38.426	ng	99
26) 2-Nitrophenol	7.804	139	276219	42.037	ng	99
27) 2,4-Dimethylphenol	7.834	122	542819	38.903	ng	98
28) bis(2-Chloroethoxy)met...	7.934	93	681438	38.186	ng	99
29) 2,4-Dichlorophenol	8.039	162	482996	40.715	ng	99
30) 1,2,4-Trichlorobenzene	8.128	180	500471	37.487	ng	99
31) Naphthalene	8.210	128	1645769	37.992	ng	100
32) Benzoic acid	7.939	122	282406	39.978	ng	98
33) 4-Chloroaniline	8.257	127	370214	20.954	ng	100
34) Hexachlorobutadiene	8.328	225	304456	38.512	ng	100
35) Caprolactam	8.622	113	143456	41.494	ng	96
36) 4-Chloro-3-methylphenol	8.728	107	489740	39.715	ng	99
37) 2-Methylnaphthalene	8.898	142	1013246	37.643	ng	98
38) 1-Methylnaphthalene	8.998	142	1052686	37.522	ng	100
40) 1,2,4,5-Tetrachloroben...	9.069	216	502278	37.555	ng	99
41) Hexachlorocyclopentadiene	9.057	237	347327	42.020	ng	99
43) 2,4,6-Trichlorophenol	9.175	196	347673	41.212	ng	99

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142303.D
Acq On : 05 May 2025 18:13
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Quant Time: May 05 18:41:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	358022	39.886	ng	99
46) 1,1'-Biphenyl	9.363	154	1368945	37.283	ng	100
47) 2-Chloronaphthalene	9.392	162	1019130	37.323	ng	100
48) 2-Nitroaniline	9.481	65	312727	44.681	ng	99
49) Acenaphthylene	9.804	152	1728165	37.833	ng	100
50) Dimethylphthalate	9.663	163	1173252	38.154	ng	100
51) 2,6-Dinitrotoluene	9.722	165	257792	44.788	ng	96
52) Acenaphthene	9.981	154	1029833	37.495	ng	99
53) 3-Nitroaniline	9.898	138	291556	43.190	ng	95
54) 2,4-Dinitrophenol	9.992	184	114850	42.149	ng	85
55) Dibenzofuran	10.151	168	1506186	37.158	ng	99
56) 4-Nitrophenol	10.039	139	225481	44.381	ng	98
57) 2,4-Dinitrotoluene	10.128	165	334070	45.248	ng	97
58) Fluorene	10.492	166	1135685	36.712	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.263	232	308477	41.630	ng	99
60) Diethylphthalate	10.363	149	1168902	38.064	ng	100
61) 4-Chlorophenyl-phenyle...	10.486	204	549616	36.826	ng	99
62) 4-Nitroaniline	10.504	138	210408	39.327	ng	99
63) Azobenzene	10.645	77	1112390	37.908	ng	100
65) 4,6-Dinitro-2-methylph...	10.533	198	152861	41.574	ng	99
66) n-Nitrosodiphenylamine	10.604	169	1027891	38.096	ng	99
67) 4-Bromophenyl-phenylether	10.975	248	352033	38.308	ng	99
68) Hexachlorobenzene	11.039	284	386876	38.273	ng	98
69) Atrazine	11.128	200	291834	41.032	ng	99
70) Pentachlorophenol	11.228	266	233208	43.855	ng	98
71) Phenanthrene	11.457	178	1591319	37.441	ng	100
72) Anthracene	11.510	178	1633756	37.410	ng	100
73) Carbazole	11.657	167	1466436	37.428	ng	100
74) Di-n-butylphthalate	11.992	149	1635344	39.694	ng	100
75) Fluoranthene	12.645	202	1560552	36.731	ng	100
77) Benzidine	12.769	184	349742	43.136	ng	100
78) Pyrene	12.874	202	1553540	39.120	ng	100
80) Butylbenzylphthalate	13.492	149	451916	39.681	ng	99
81) Benzo(a)anthracene	14.063	228	1121831	38.827	ng	99
82) 3,3'-Dichlorobenzidine	14.021	252	278603	41.464	ng	100
83) Chrysene	14.098	228	987170	36.701	ng	99
84) Bis(2-ethylhexyl)phtha...	14.051	149	576295	39.051	ng	99
85) Di-n-octyl phthalate	14.668	149	1053573	40.234	ng	99
87) Indeno(1,2,3-cd)pyrene	17.074	276	1258449	40.452	ng	100
88) Benzo(b)fluoranthene	15.121	252	1055207	38.957	ng	99
89) Benzo(k)fluoranthene	15.151	252	885574	35.727	ng	99
90) Benzo(a)pyrene	15.498	252	943474	38.871	ng	100
91) Dibenzo(a,h)anthracene	17.092	278	1030211	40.084	ng	100
92) Benzo(g,h,i)perylene	17.533	276	1024727	40.171	ng	98

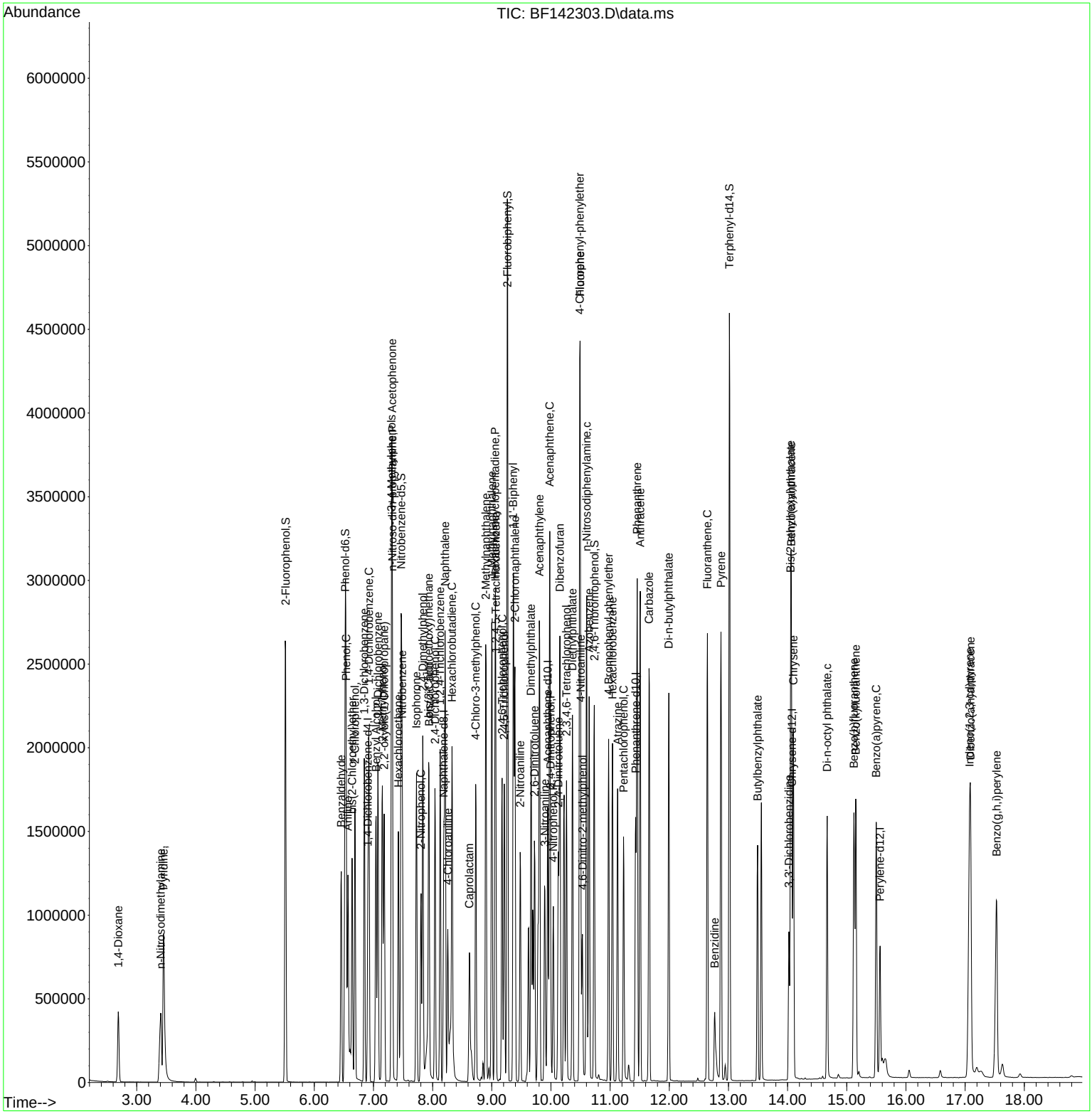
(#) = qualifier out of range (m) = manual integration (+) = signals summed

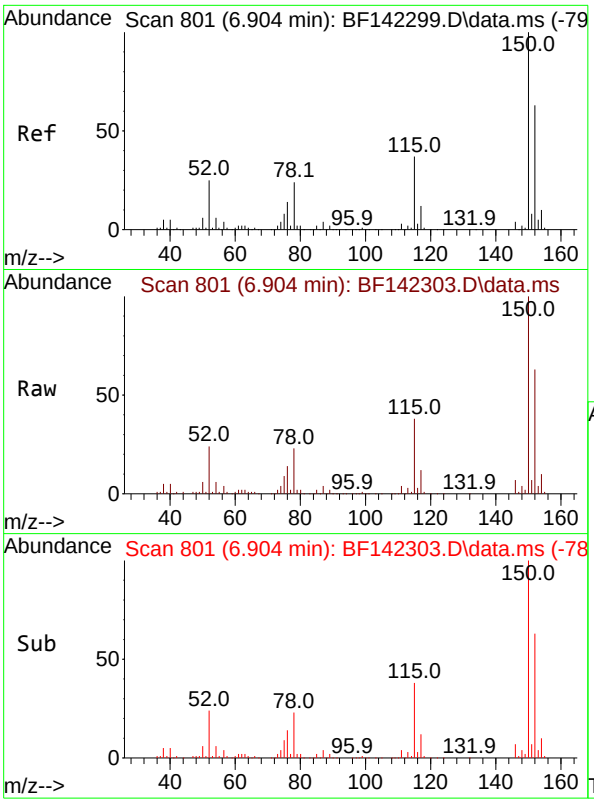
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142303.D
Acq On : 05 May 2025 18:13
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Quant Time: May 05 18:41:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration



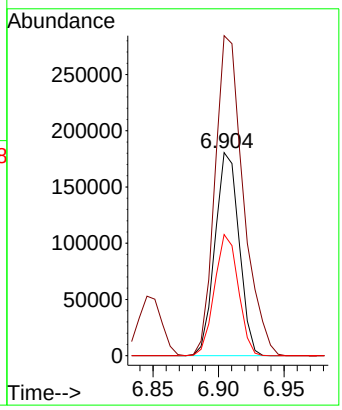


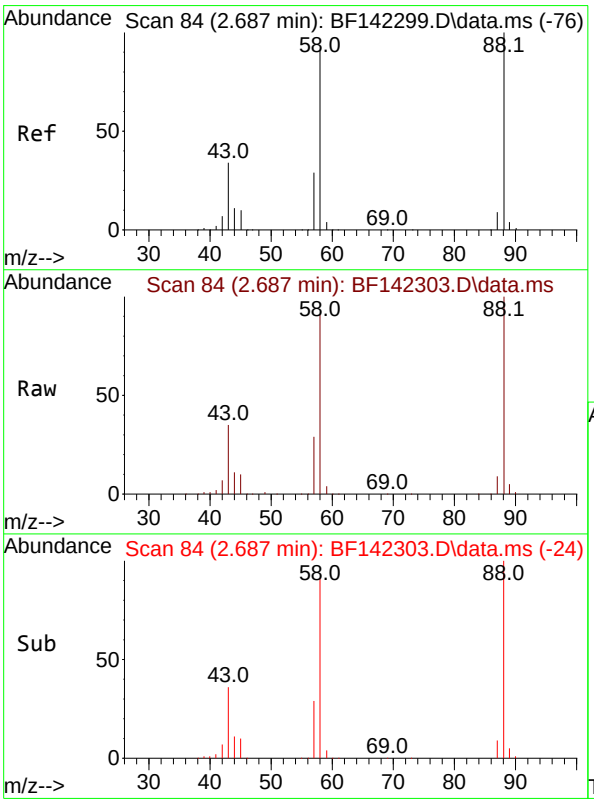
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Tgt Ion:152 Resp: 230180

Ion	Ratio	Lower	Upper
152	100		
150	157.6	126.6	190.0
115	59.7	47.3	70.9

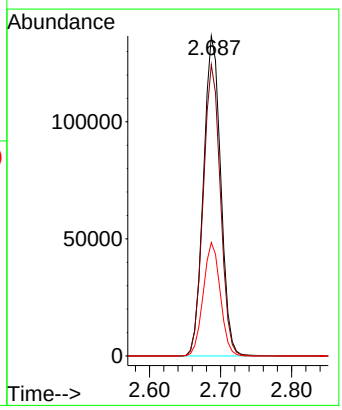


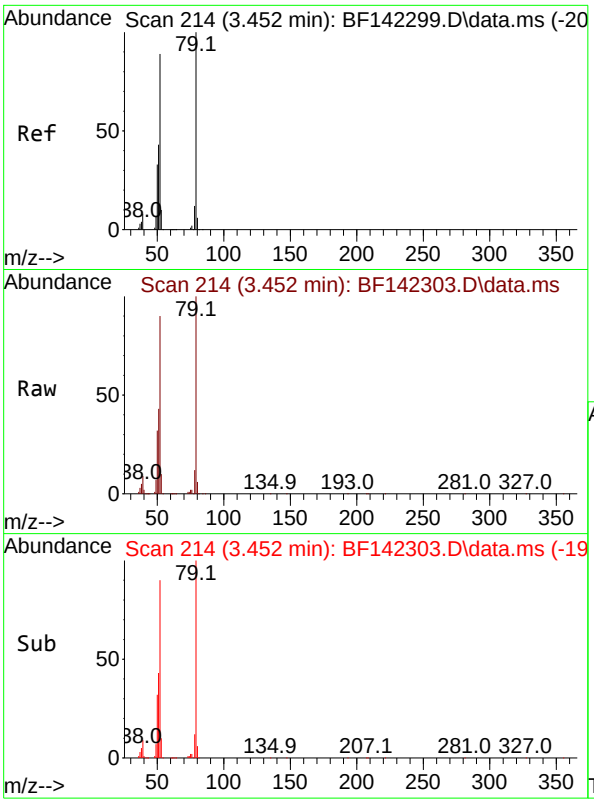


#2
1,4-Dioxane
Concen: 38.046 ng
RT: 2.687 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion: 88 Resp: 231020

Ion	Ratio	Lower	Upper
88	100		
58	90.4	73.0	109.4
43	35.1	27.8	41.6



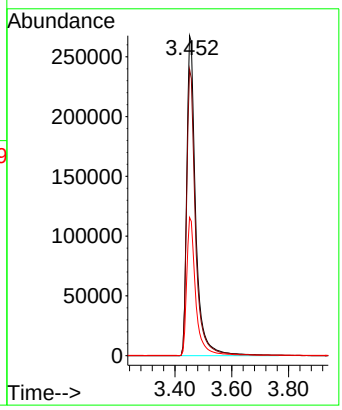


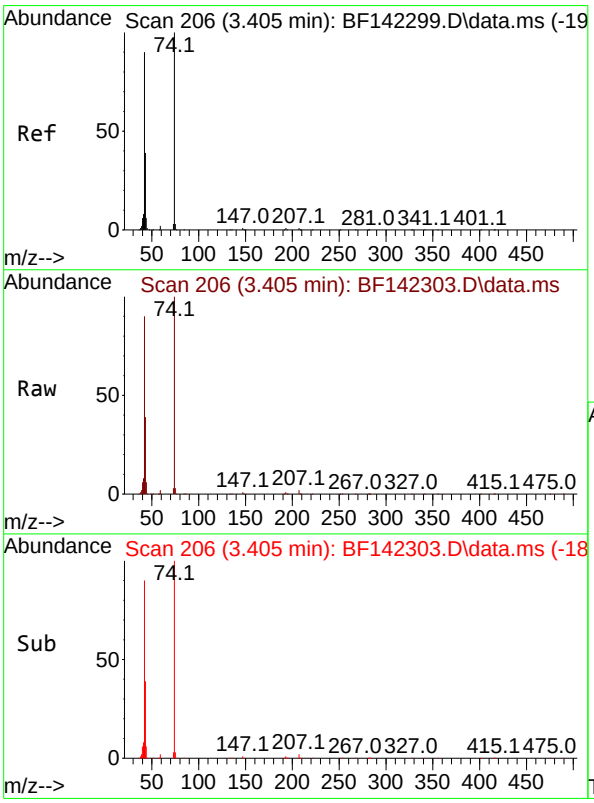
#3
Pyridine
Concen: 40.992 ng
RT: 3.452 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Tgt Ion: 79 Resp: 584384

Ion	Ratio	Lower	Upper
79	100		
52	89.5	71.0	106.4
51	43.2	34.9	52.3

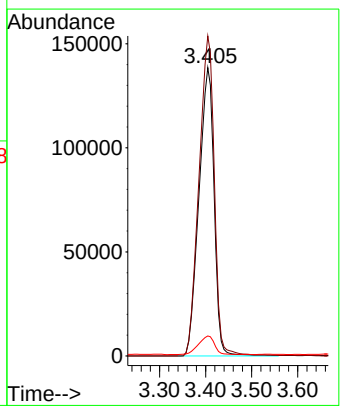


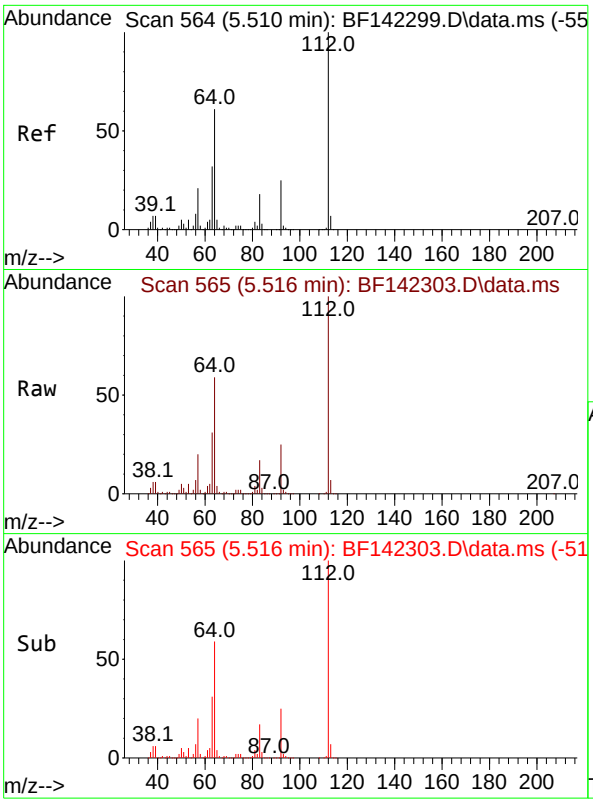


#4
n-Nitrosodimethylamine
Concen: 38.346 ng
RT: 3.405 min Scan# 206
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion: 42 Resp: 317717

Ion	Ratio	Lower	Upper
42	100		
74	111.0	88.5	132.7
44	6.9	5.8	8.8



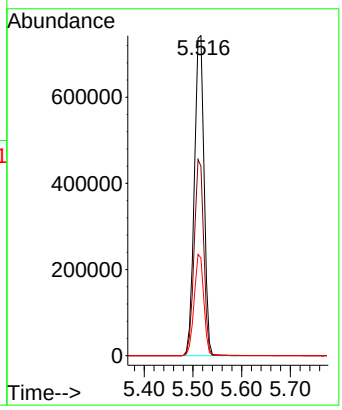


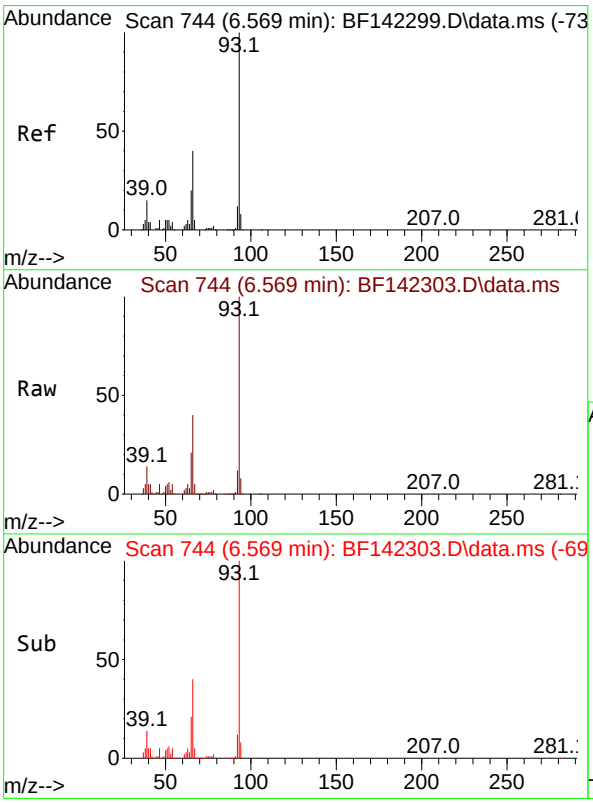
#5
2-Fluorophenol
Concen: 77.026 ng
RT: 5.516 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Tgt Ion:112 Resp: 1038606

Ion	Ratio	Lower	Upper
112	100		
64	59.2	48.9	73.3
63	30.6	25.6	38.4

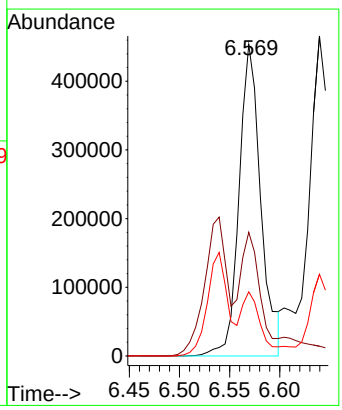


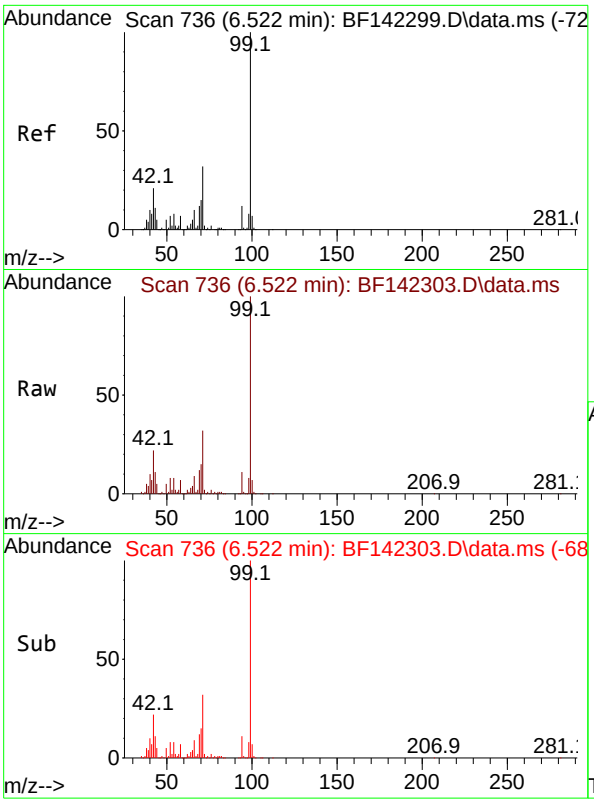


#6
Aniline
Concen: 42.173 ng
RT: 6.569 min Scan# 744
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion: 93 Resp: 686015

Ion	Ratio	Lower	Upper
93	100		
66	39.7	32.2	48.4
65	20.6	16.3	24.5



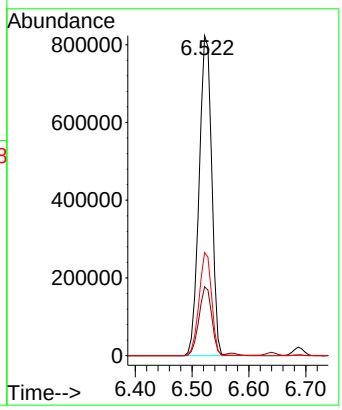


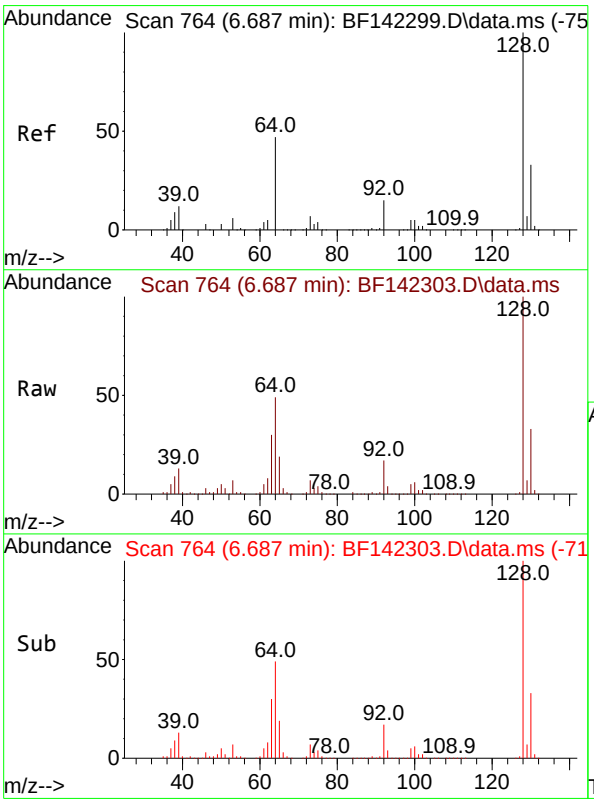
#7
Phenol-d6
Concen: 76.429 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Tgt Ion: 99 Resp: 1267516

Ion	Ratio	Lower	Upper
99	100		
42	21.6	17.0	25.4
71	32.2	25.8	38.8

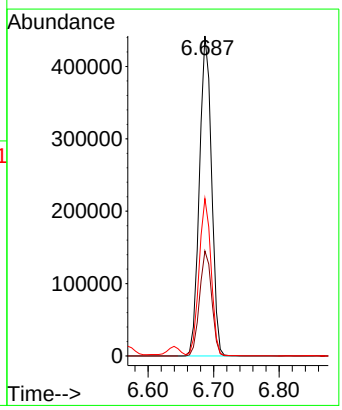


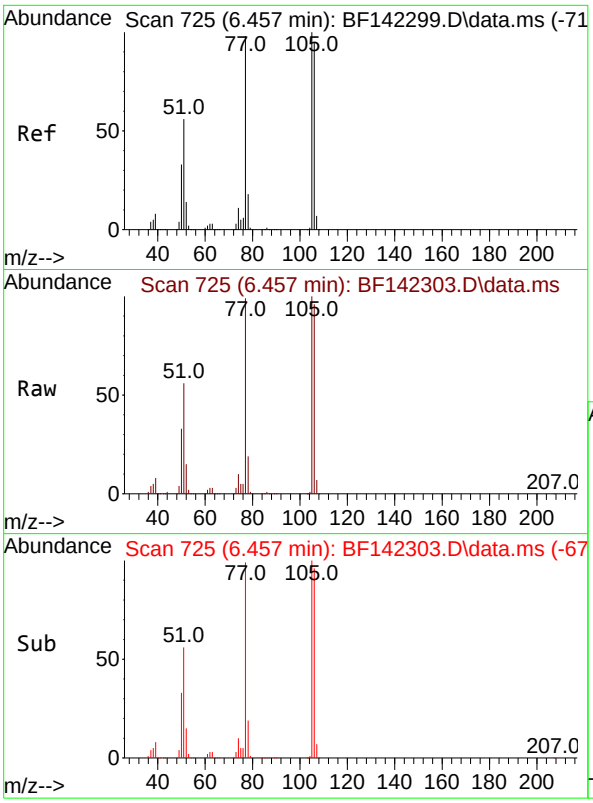


#8
2-Chlorophenol
Concen: 39.701 ng
RT: 6.687 min Scan# 764
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:128 Resp: 572045

Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.7	52.7
64	49.2	29.2	69.2



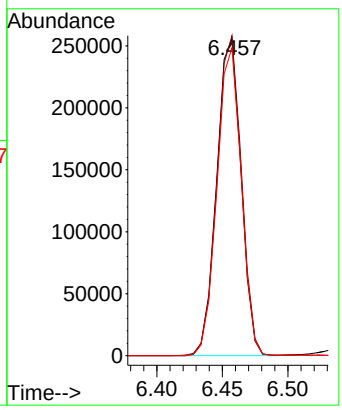


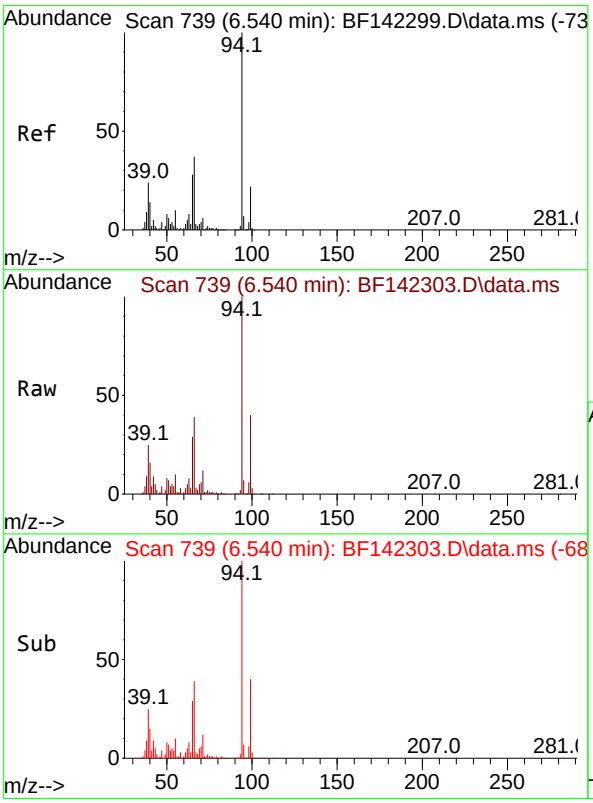
#9
Benzaldehyde
Concen: 34.048 ng
RT: 6.457 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Tgt Ion: 77 Resp: 330476

Ion	Ratio	Lower	Upper
77	100		
105	101.1	82.0	122.0
106	97.2	77.2	117.2

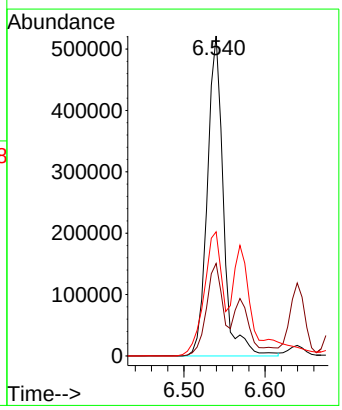


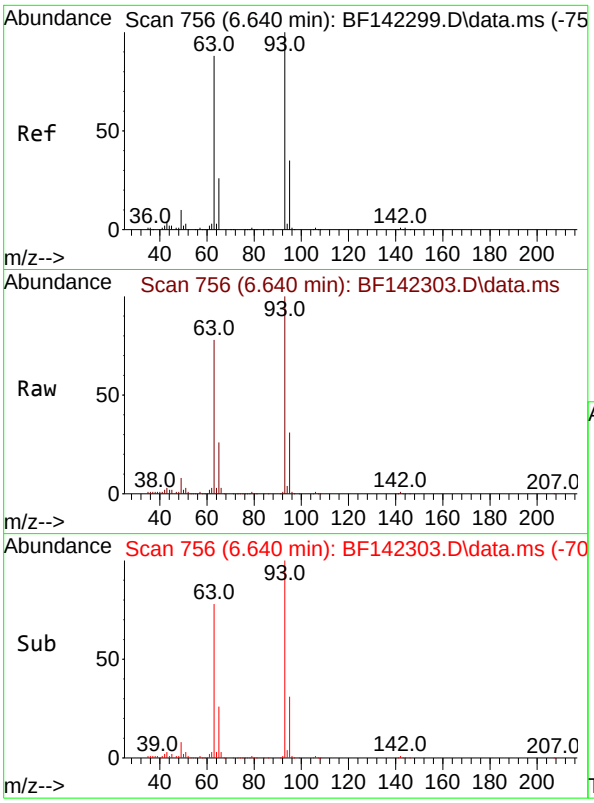


#10
Phenol
Concen: 40.645 ng
RT: 6.540 min Scan# 739
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion: 94 Resp: 715941

Ion	Ratio	Lower	Upper
94	100		
65	28.9	8.5	48.5
66	38.8	17.3	57.3



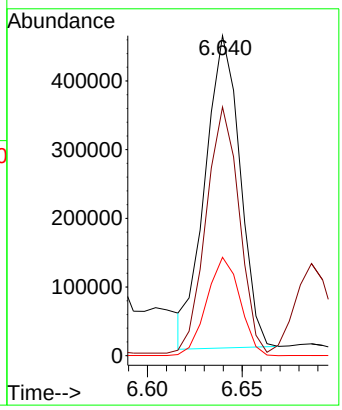


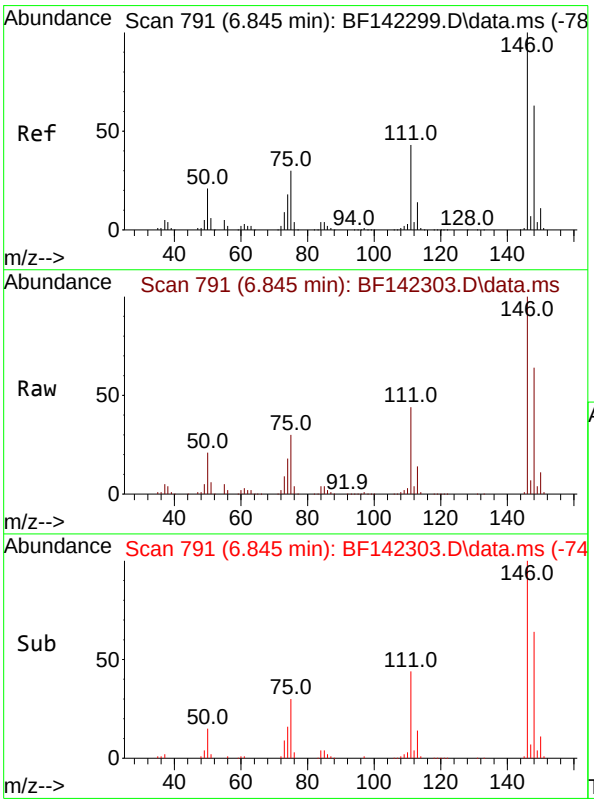
#11
bis(2-Chloroethyl)ether
Concen: 33.668 ng
RT: 6.640 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Tgt Ion: 93 Resp: 583659

Ion	Ratio	Lower	Upper
93	100		
63	77.7	58.4	98.4
95	30.8	10.6	50.6

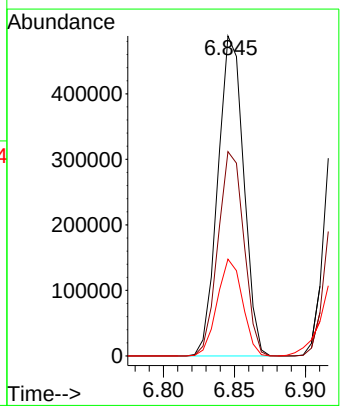


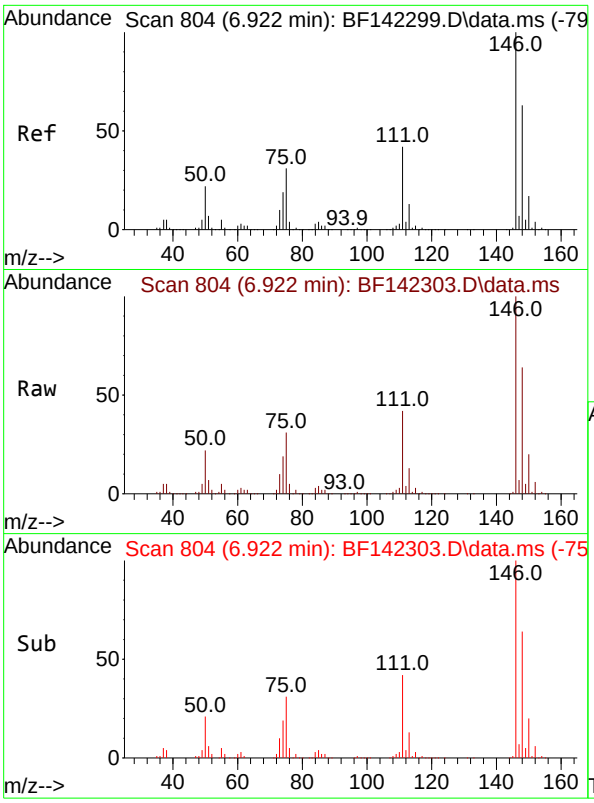


#12
1,3-Dichlorobenzene
Concen: 37.375 ng
RT: 6.845 min Scan# 791
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:146 Resp: 616110

Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.6	76.0
75	30.3	24.2	36.4



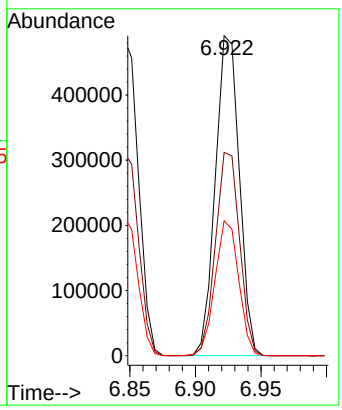


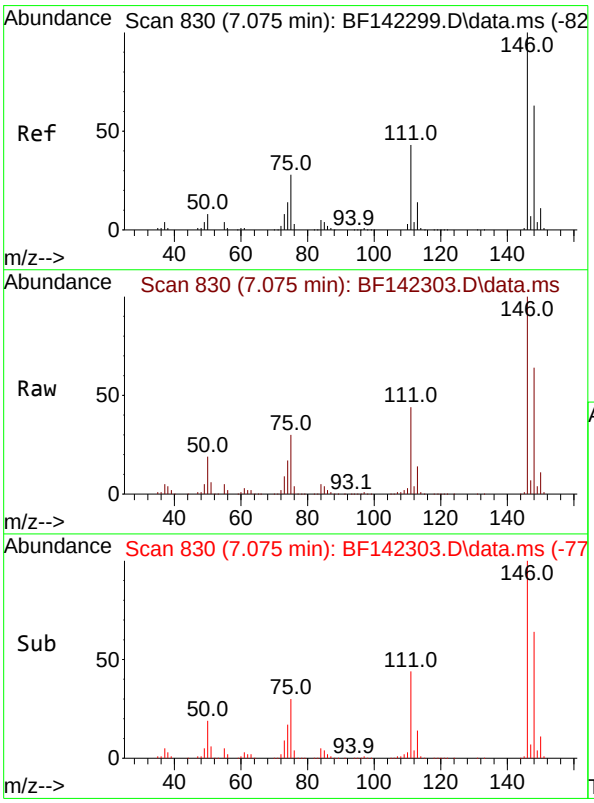
#13
1,4-Dichlorobenzene
Concen: 37.681 ng
RT: 6.922 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Tgt Ion:146 Resp: 623676

Ion	Ratio	Lower	Upper
146	100		
148	63.5	50.5	75.7
111	42.1	33.4	50.2

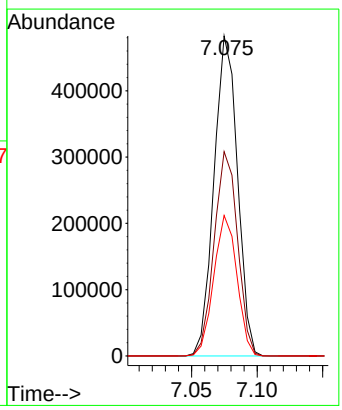


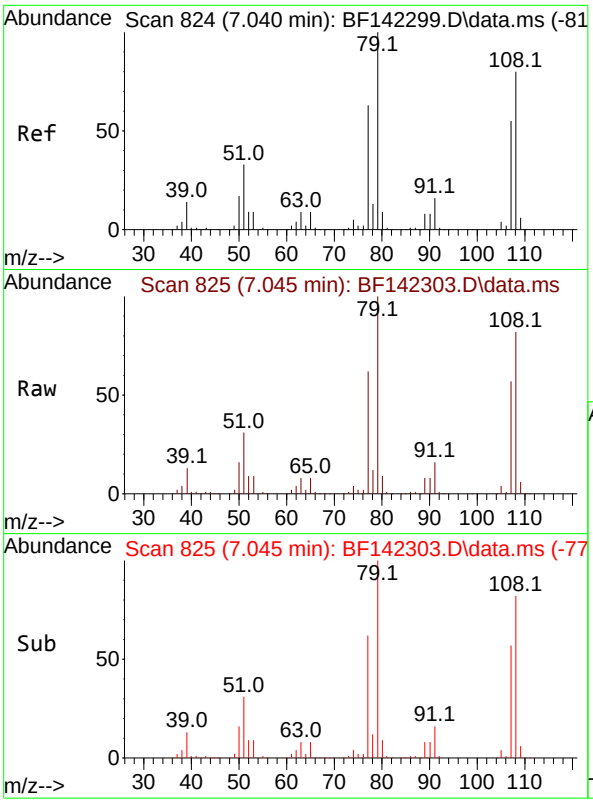


#14
1,2-Dichlorobenzene
Concen: 37.772 ng
RT: 7.075 min Scan# 830
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:146 Resp: 600086

Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.3	75.5
111	43.9	34.5	51.7



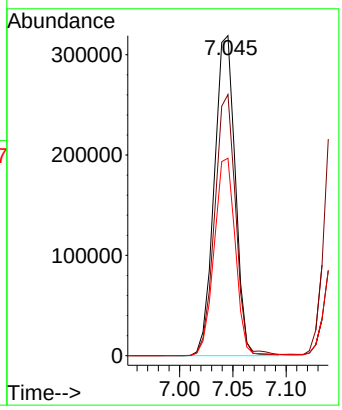


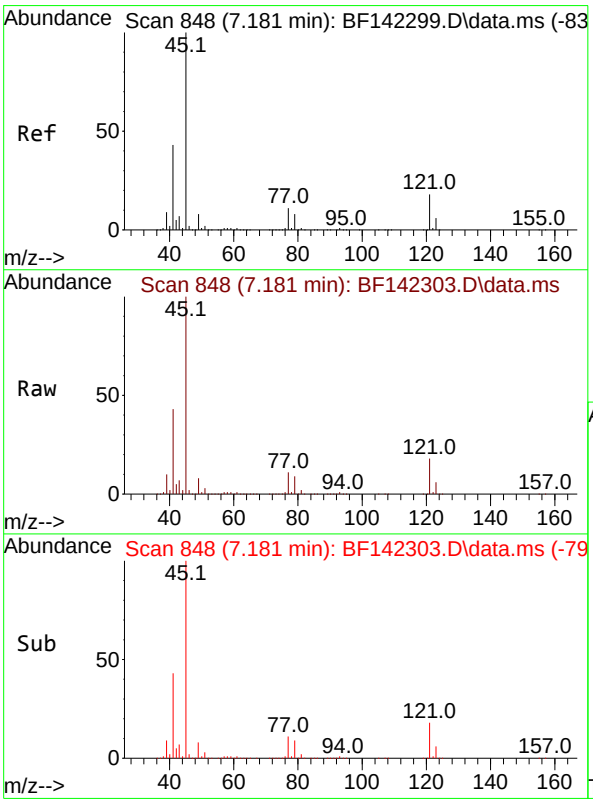
#15
Benzyl Alcohol
Concen: 40.632 ng
RT: 7.045 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Tgt Ion: 79 Resp: 436337

Ion	Ratio	Lower	Upper
79	100		
108	81.6	63.9	95.9
77	61.7	50.7	76.1

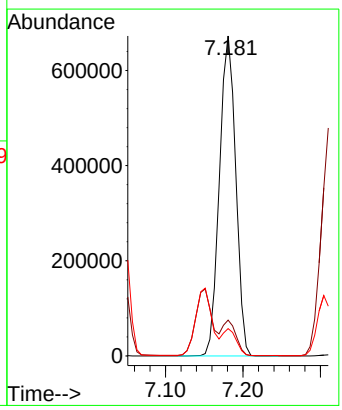


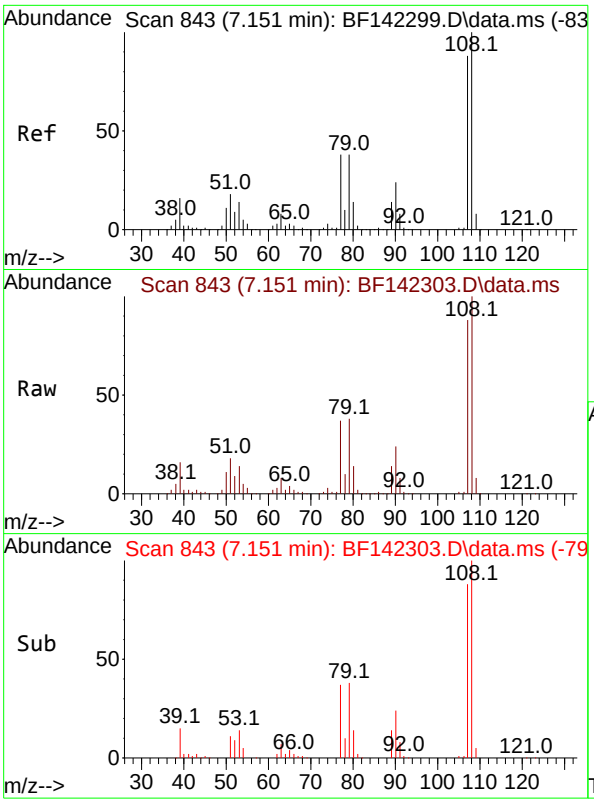


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.006 ng
RT: 7.181 min Scan# 848
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion: 45 Resp: 983896

Ion	Ratio	Lower	Upper
45	100		
77	11.2	0.0	31.2
79	8.6	0.0	28.5



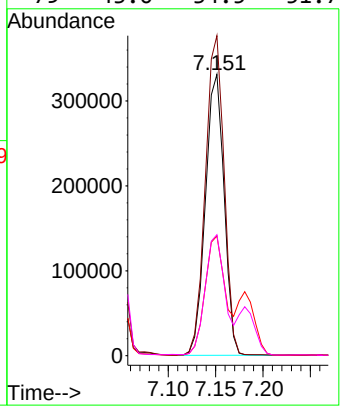


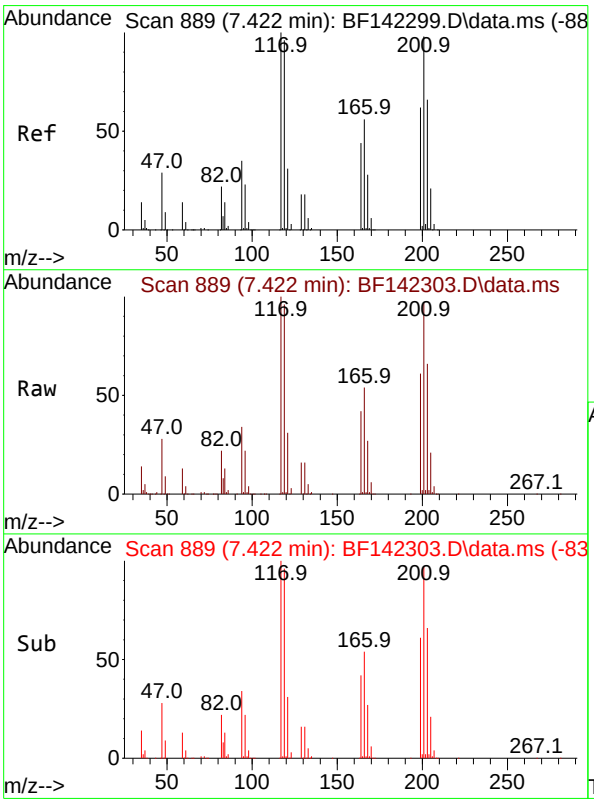
#17
2-Methylphenol
Concen: 38.961 ng
RT: 7.151 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Tgt Ion:107 Resp: 454505

Ion	Ratio	Lower	Upper
107	100		
108	113.8	91.1	136.7
77	42.5	34.7	52.1
79	43.0	34.5	51.7

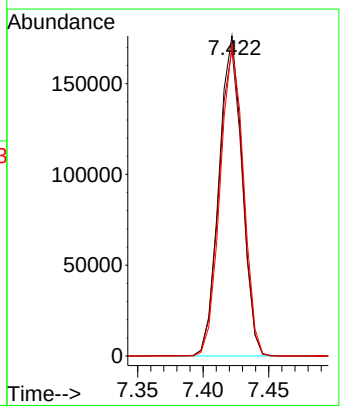


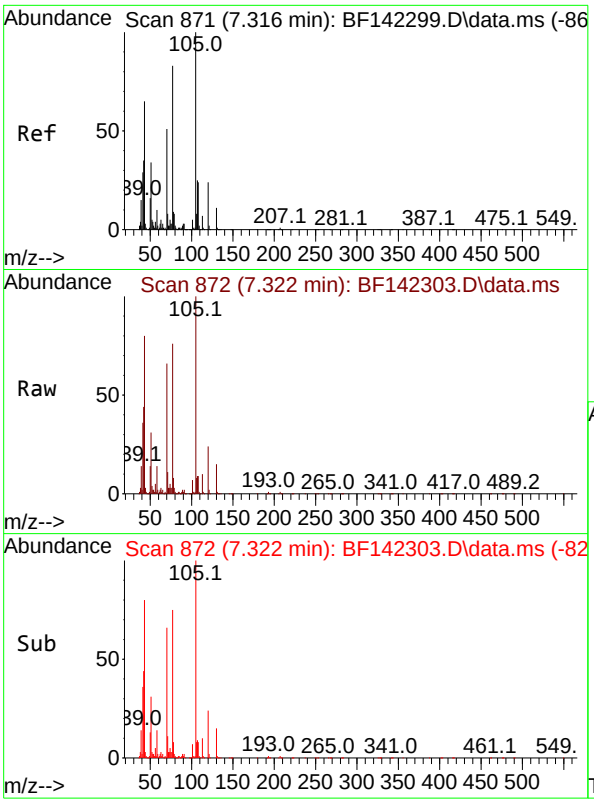


#18
Hexachloroethane
Concen: 39.633 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:117 Resp: 218260

Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.9	115.3
201	97.3	78.0	117.0



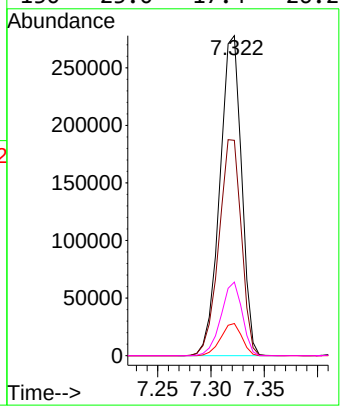


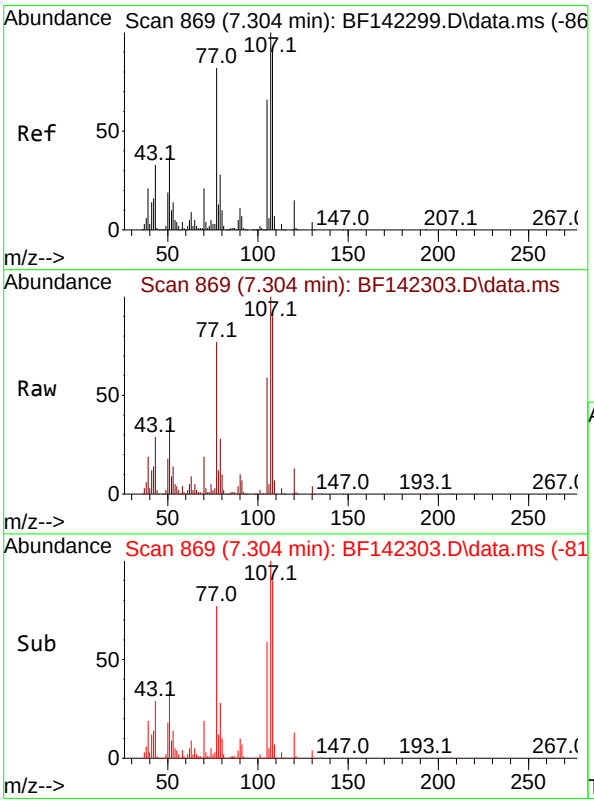
#19
n-Nitroso-di-n-propylamine
Concen: 38.437 ng
RT: 7.322 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Tgt Ion: 70 Resp: 394300

Ion	Ratio	Lower	Upper
70	100		
42	67.3	54.8	82.2
101	10.0	7.7	11.5
130	23.0	17.4	26.2

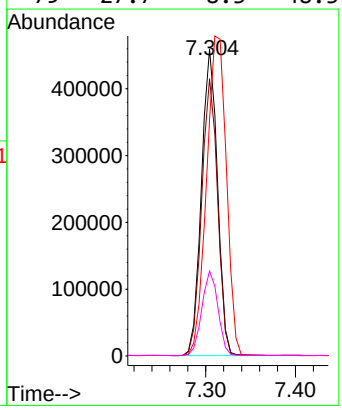


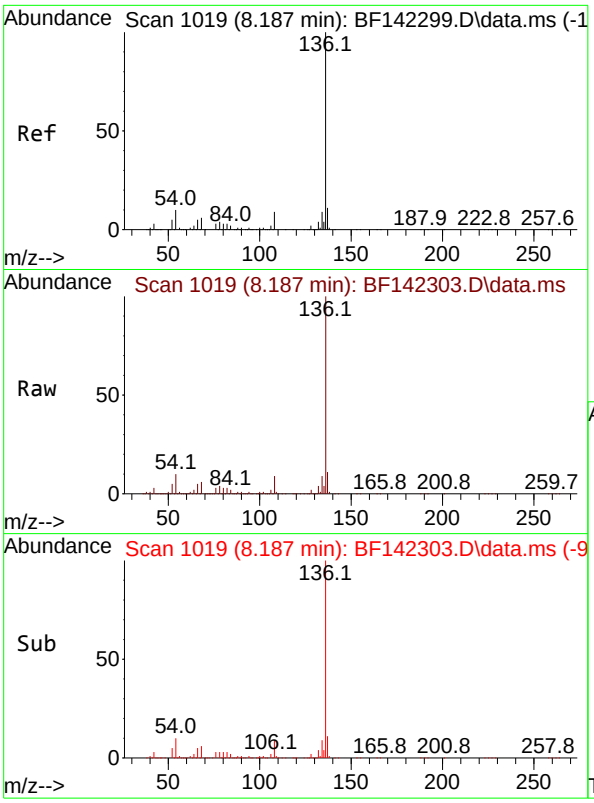


#20
3+4-Methylphenols
Concen: 39.089 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:107 Resp: 569096

Ion	Ratio	Lower	Upper
107	100		
108	90.3	71.5	111.5
77	76.9	61.6	101.6
79	27.7	8.3	48.3



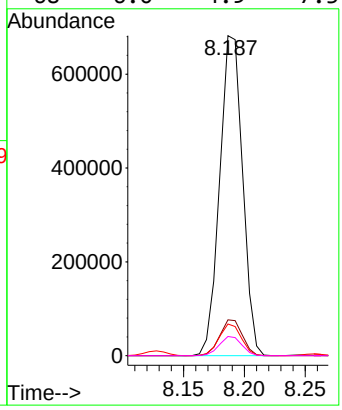


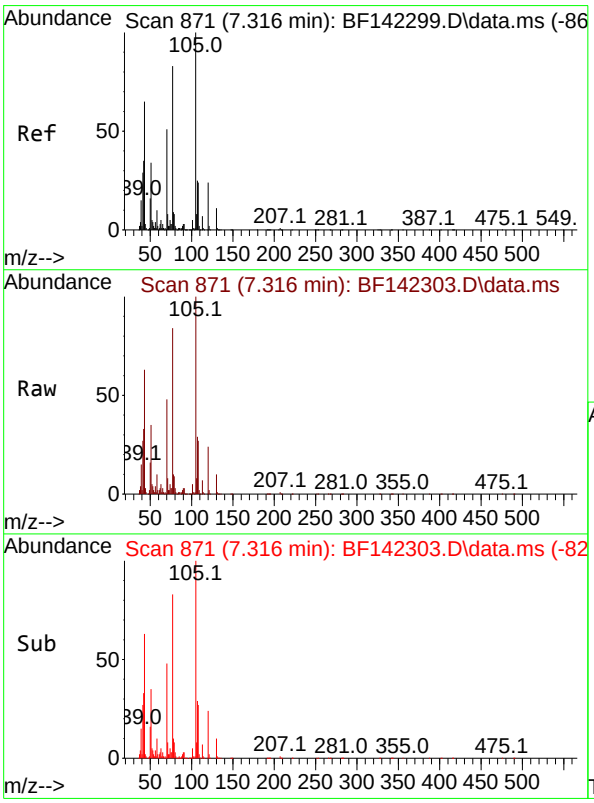
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Tgt Ion:136 Resp: 893807

Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	9.9	7.7	11.5
68	6.0	4.9	7.3

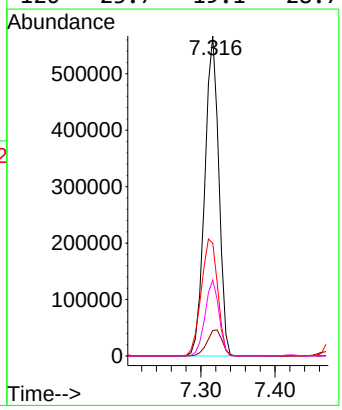


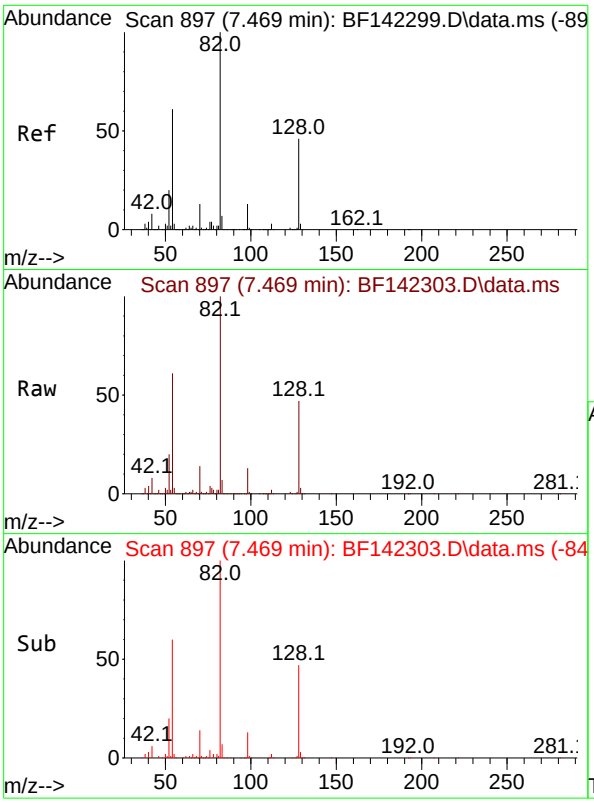


#22
Acetophenone
Concen: 37.519 ng
RT: 7.316 min Scan# 871
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:105 Resp: 745621

Ion	Ratio	Lower	Upper
105	100		
71	8.0	6.7	10.1
51	35.2	27.6	41.4
120	23.7	19.1	28.7



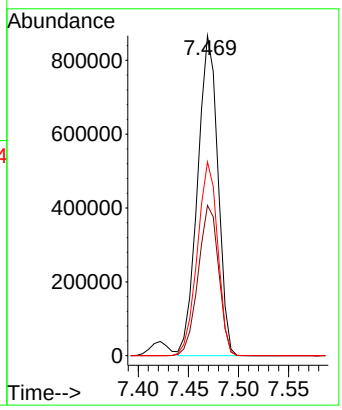


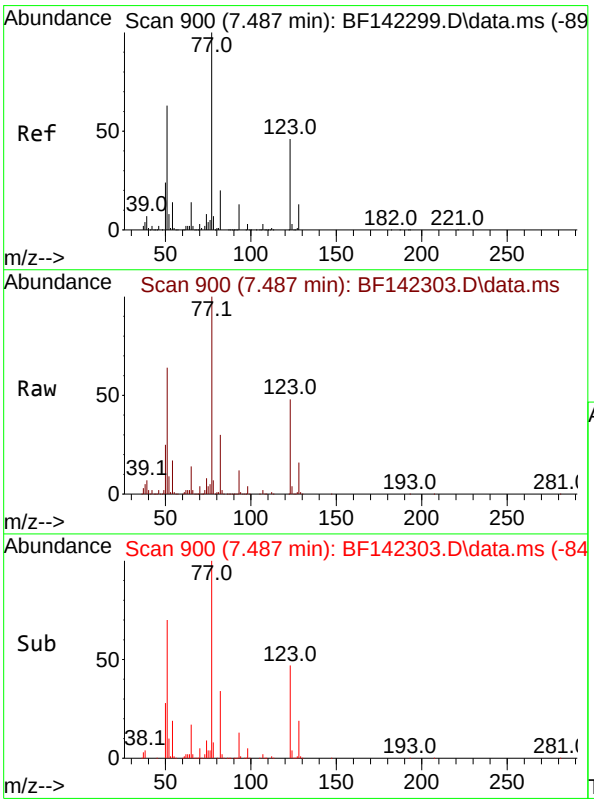
#23
Nitrobenzene-d5
Concen: 83.567 ng
RT: 7.469 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Tgt Ion: 82 Resp: 1224734

Ion	Ratio	Lower	Upper
82	100		
128	47.0	37.0	55.6
54	60.6	48.6	73.0

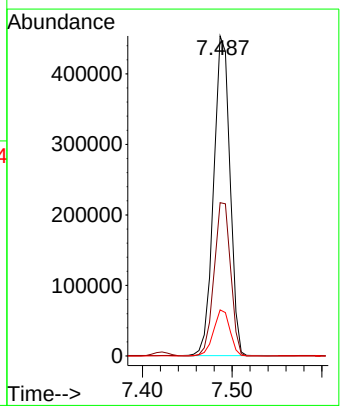


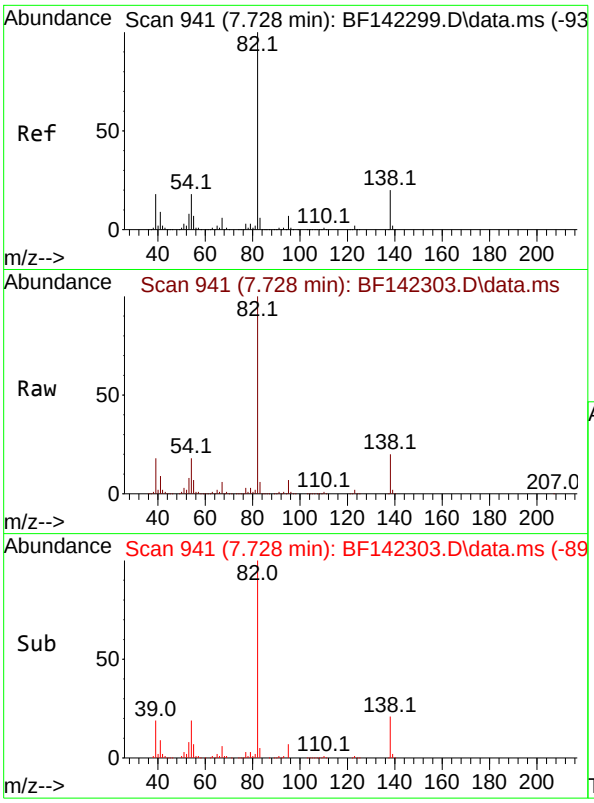


#24
Nitrobenzene
Concen: 41.431 ng
RT: 7.487 min Scan# 900
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion: 77 Resp: 572370

Ion	Ratio	Lower	Upper
77	100		
123	47.9	37.8	56.8
65	14.4	11.4	17.0



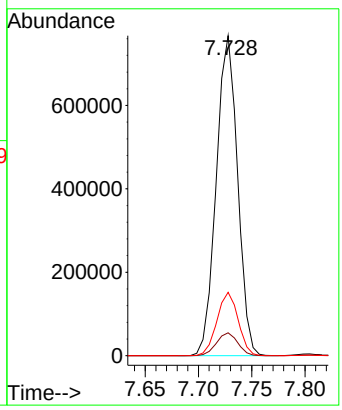


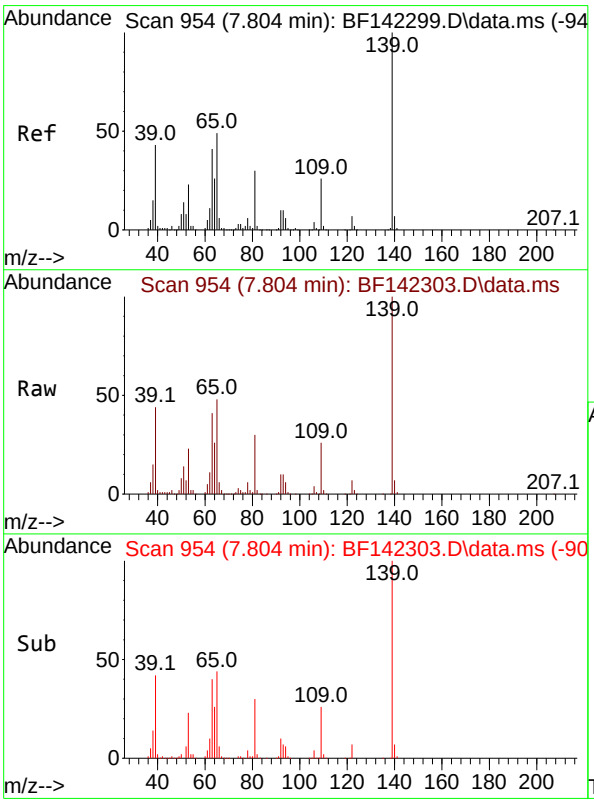
#25
Isophorone
Concen: 38.426 ng
RT: 7.728 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Tgt Ion: 82 Resp: 1066427

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.8	8.8
138	19.8	16.1	24.1

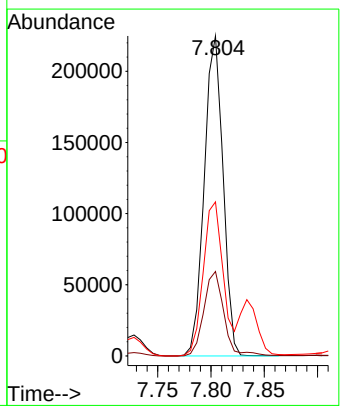


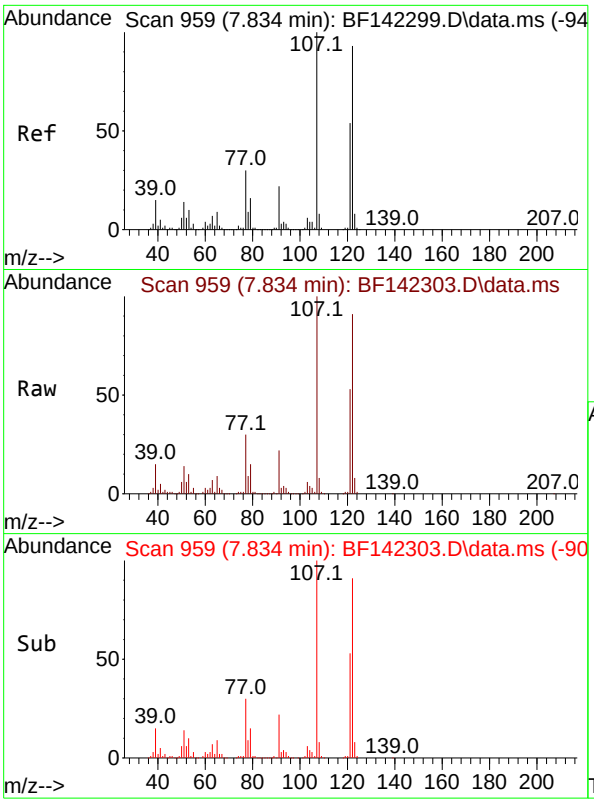


#26
2-Nitrophenol
Concen: 42.037 ng
RT: 7.804 min Scan# 954
Delta R.T. 0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:139 Resp: 276219

Ion	Ratio	Lower	Upper
139	100		
109	26.4	20.8	31.2
65	48.1	38.9	58.3



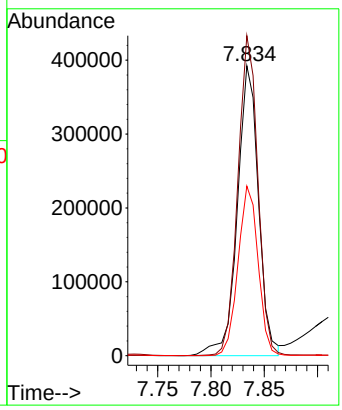


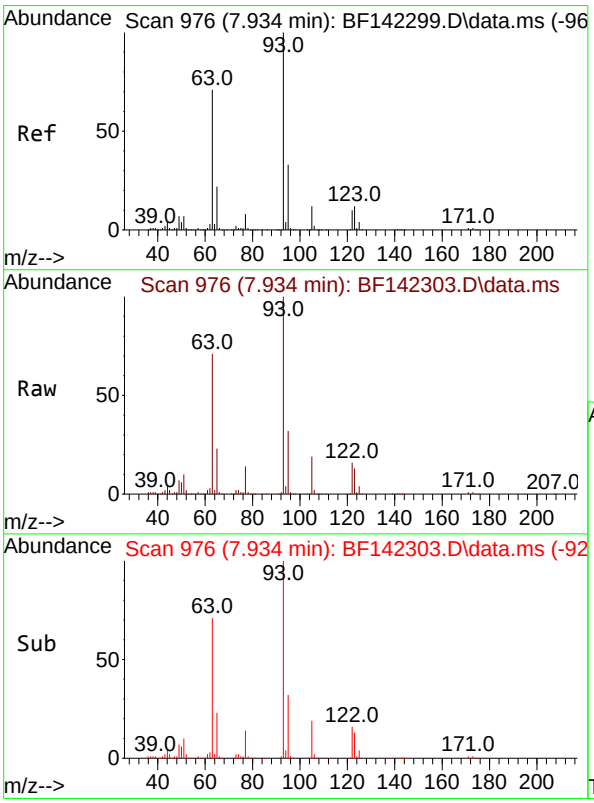
#27
2,4-Dimethylphenol
Concen: 38.903 ng
RT: 7.834 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Tgt Ion:122 Resp: 542819

Ion	Ratio	Lower	Upper
122	100		
107	110.4	86.0	129.0
121	58.5	46.2	69.4

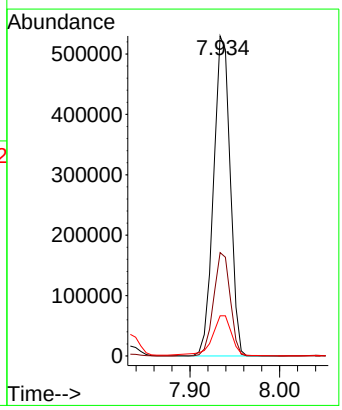


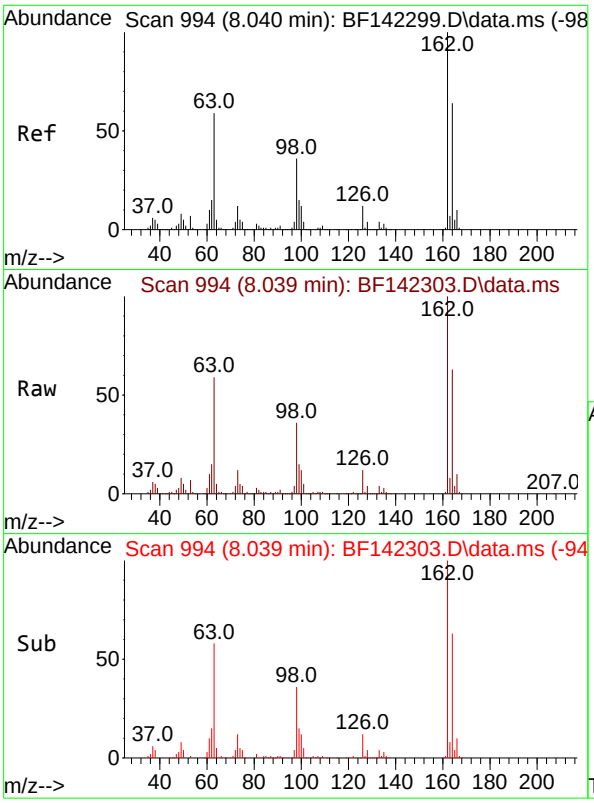


#28
bis(2-Chloroethoxy)methane
Concen: 38.186 ng
RT: 7.934 min Scan# 976
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion: 93 Resp: 681438

Ion	Ratio	Lower	Upper
93	100		
95	32.3	26.1	39.1
123	12.6	10.2	15.4



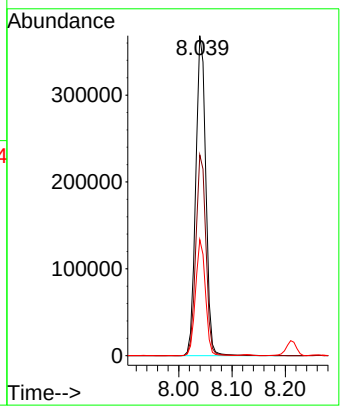


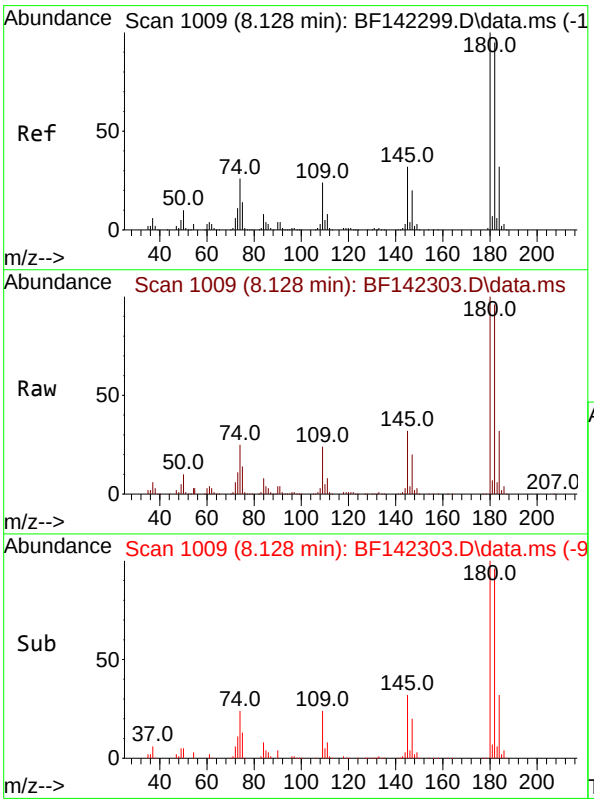
#29
2,4-Dichlorophenol
Concen: 40.715 ng
RT: 8.039 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Tgt Ion:162 Resp: 482996

Ion	Ratio	Lower	Upper
162	100		
164	62.7	43.6	83.6
98	36.3	16.5	56.5

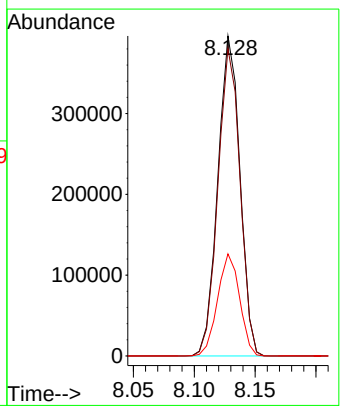


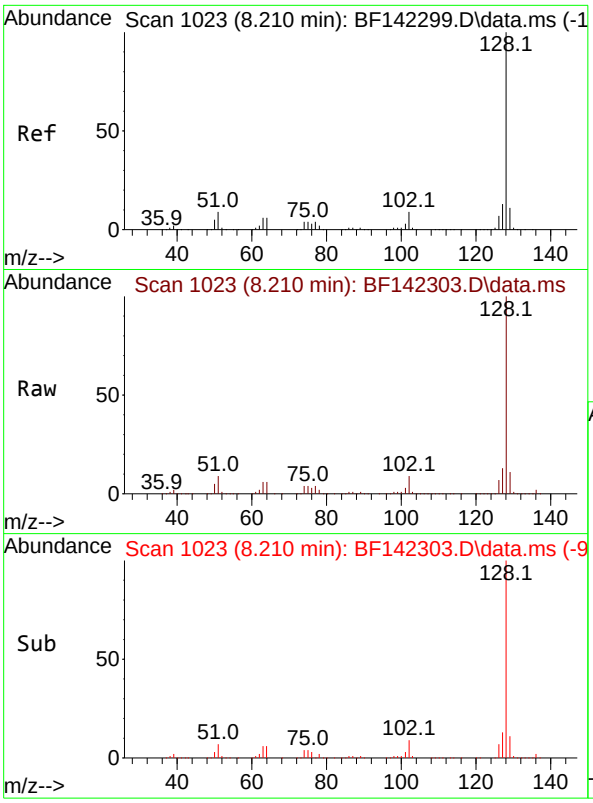


#30
1,2,4-Trichlorobenzene
Concen: 37.487 ng
RT: 8.128 min Scan# 1009
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:180 Resp: 500471

Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.2	114.4
145	31.9	25.8	38.6



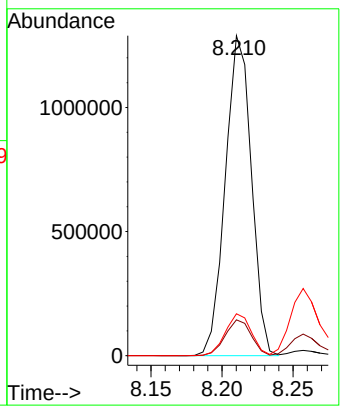


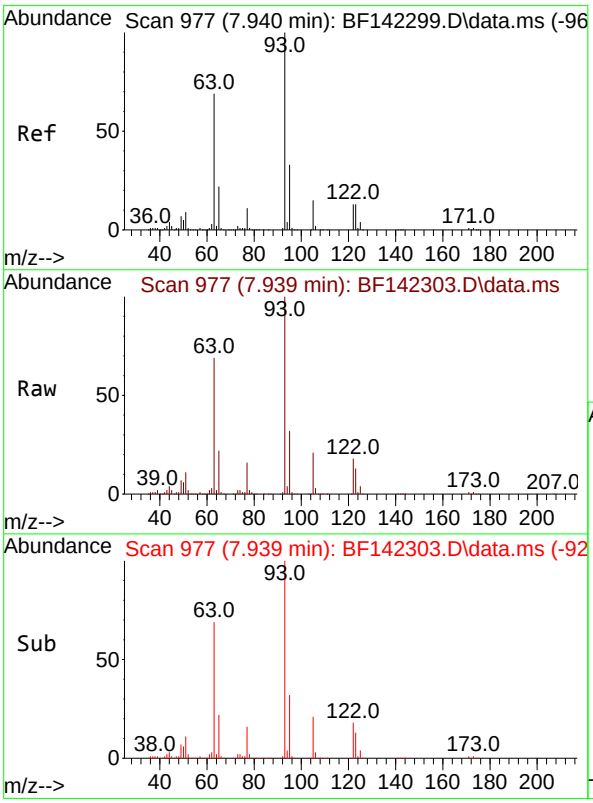
#31
Naphthalene
Concen: 37.992 ng
RT: 8.210 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Tgt Ion:128 Resp: 1645769

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.1	13.7
127	13.1	10.5	15.7

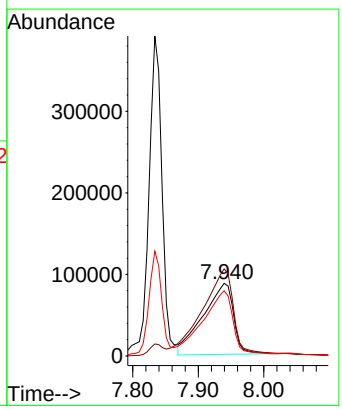


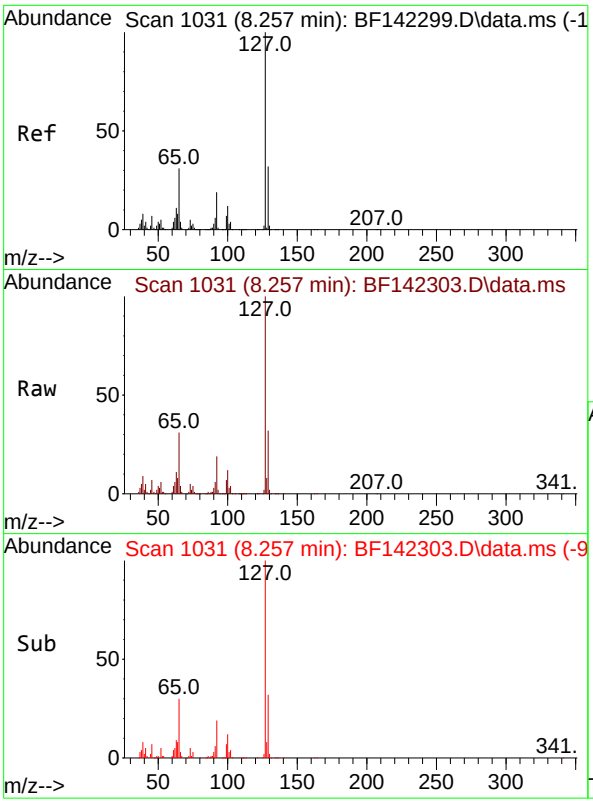


#32
Benzoic acid
Concen: 39.978 ng
RT: 7.939 min Scan# 977
Delta R.T. -0.001 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:122 Resp: 282406

Ion	Ratio	Lower	Upper
122	100		
105	120.0	97.9	137.9
77	89.6	67.7	107.7



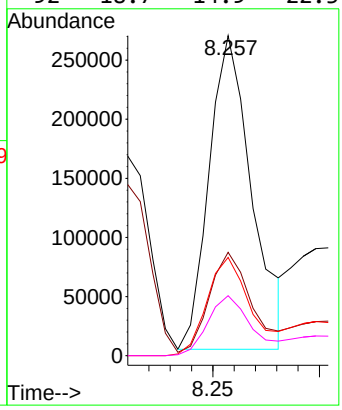


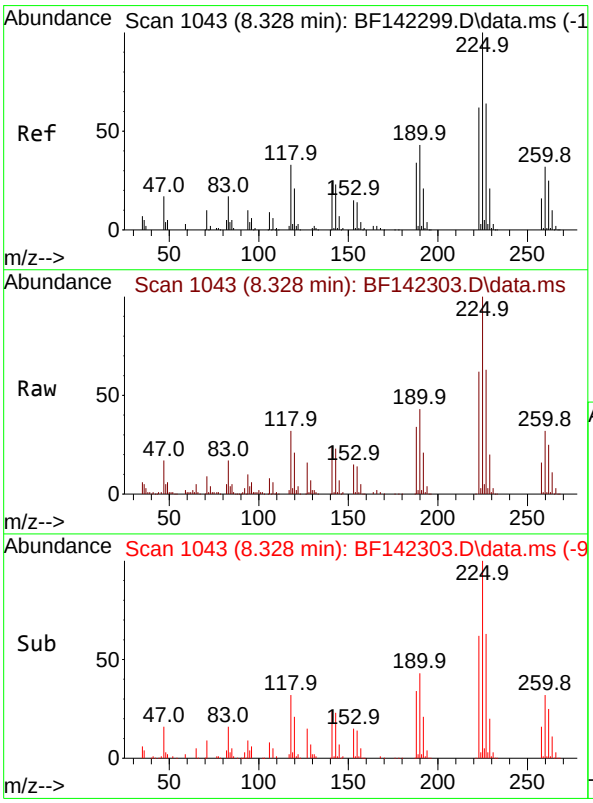
#33
4-Chloroaniline
Concen: 20.954 ng
RT: 8.257 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Tgt Ion:127 Resp: 370214

Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.7	38.5
65	30.7	24.9	37.3
92	18.7	14.9	22.3

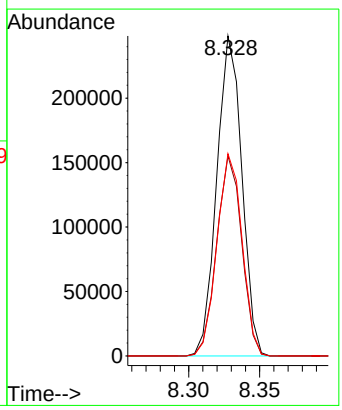


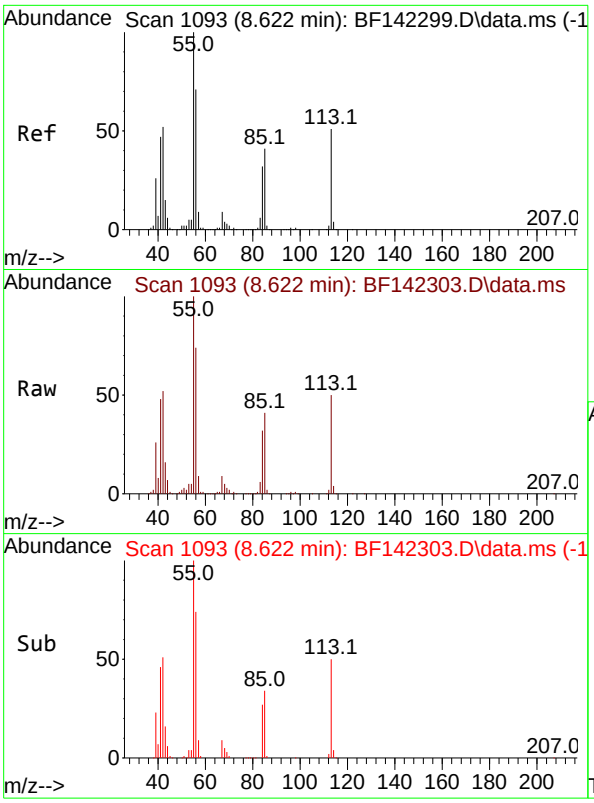


#34
Hexachlorobutadiene
Concen: 38.512 ng
RT: 8.328 min Scan# 1043
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:225 Resp: 304456

Ion	Ratio	Lower	Upper
225	100		
223	62.5	49.8	74.6
227	63.2	50.9	76.3



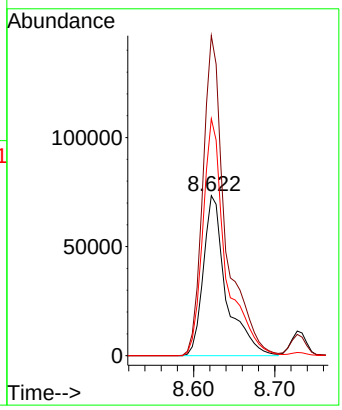


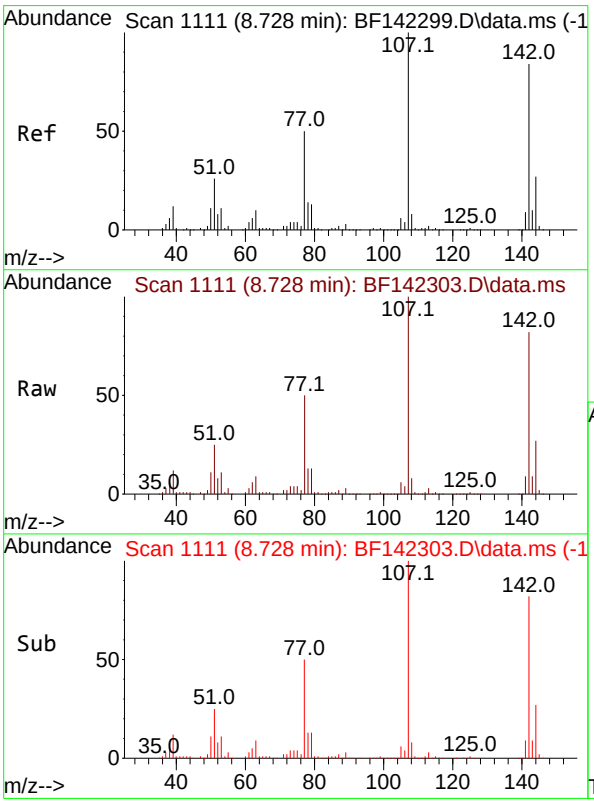
#35
Caprolactam
Concen: 41.494 ng
RT: 8.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Tgt Ion:113 Resp: 143456

Ion	Ratio	Lower	Upper
113	100		
55	199.9	176.4	216.4
56	148.0	120.3	160.3

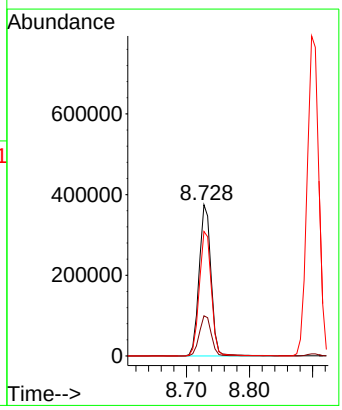


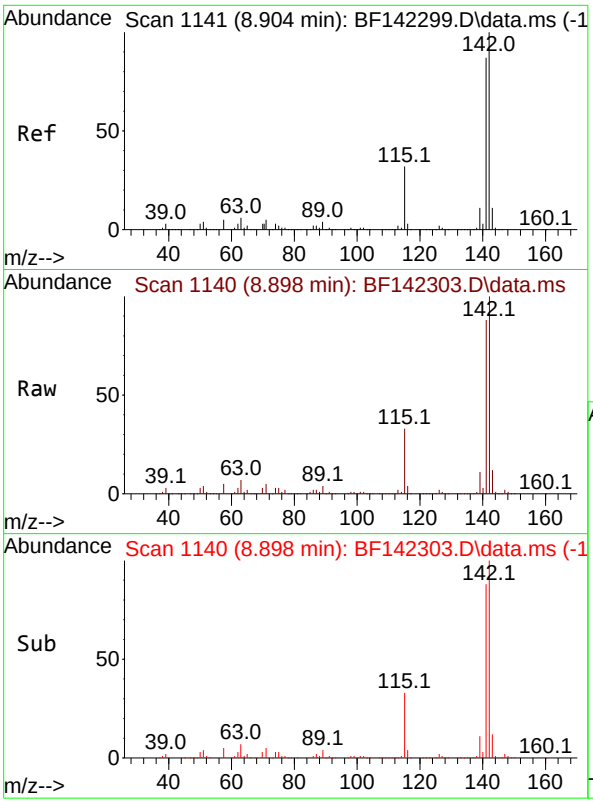


#36
4-Chloro-3-methylphenol
Concen: 39.715 ng
RT: 8.728 min Scan# 1111
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:107 Resp: 489740

Ion	Ratio	Lower	Upper
107	100		
144	26.6	21.3	31.9
142	82.4	66.9	100.3



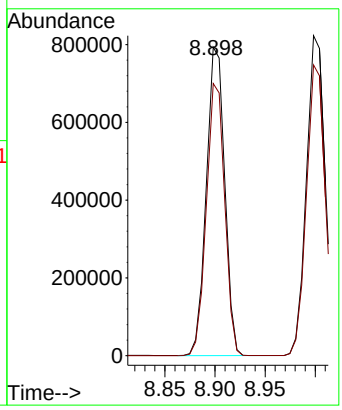


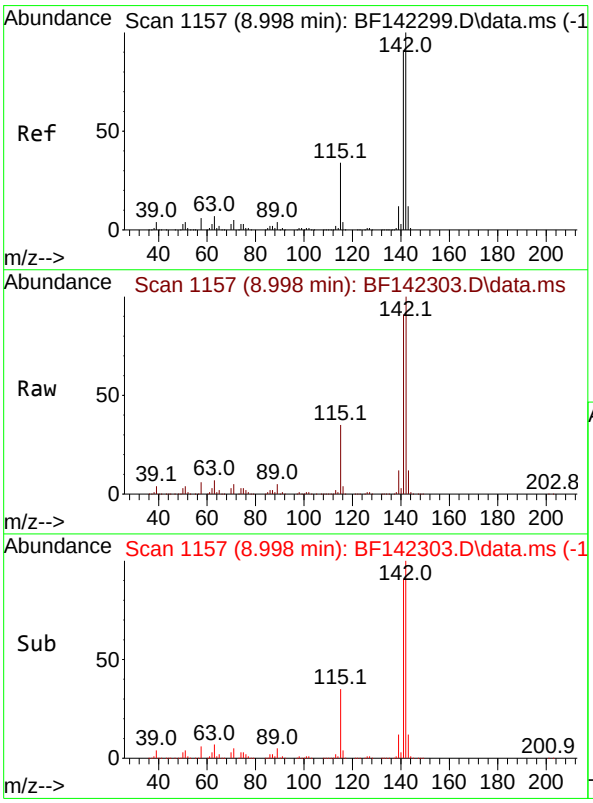
#37
2-Methylnaphthalene
Concen: 37.643 ng
RT: 8.898 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Tgt Ion:142 Resp: 1013246

Ion	Ratio	Lower	Upper
142	100		
141	88.2	69.4	104.2

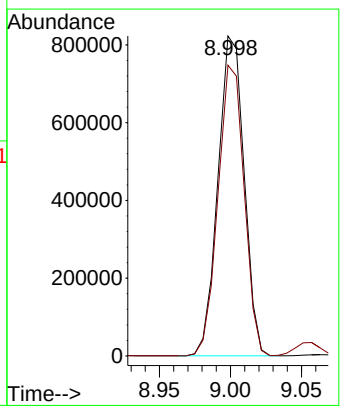


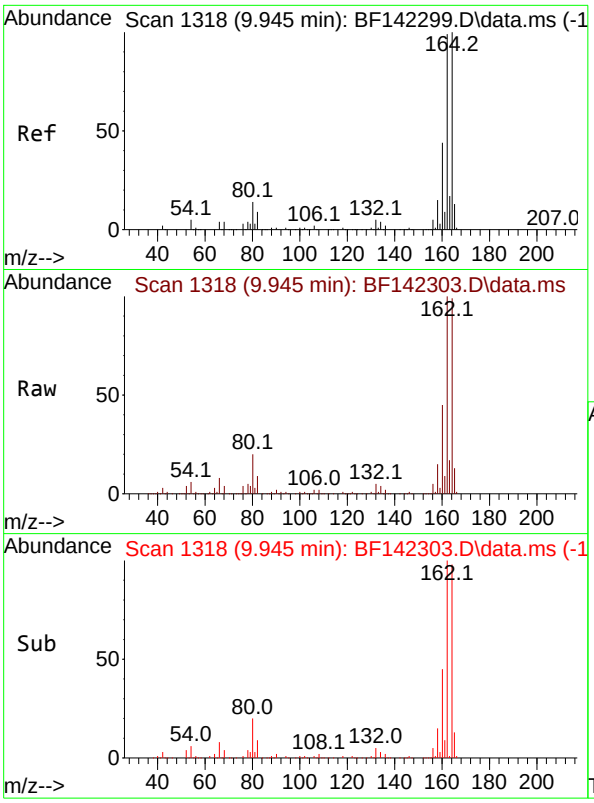


#38
1-Methylnaphthalene
Concen: 37.522 ng
RT: 8.998 min Scan# 1157
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:142 Resp: 1052686

Ion	Ratio	Lower	Upper
142	100		
141	90.9	72.5	108.7



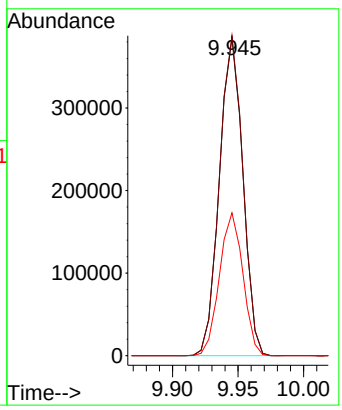


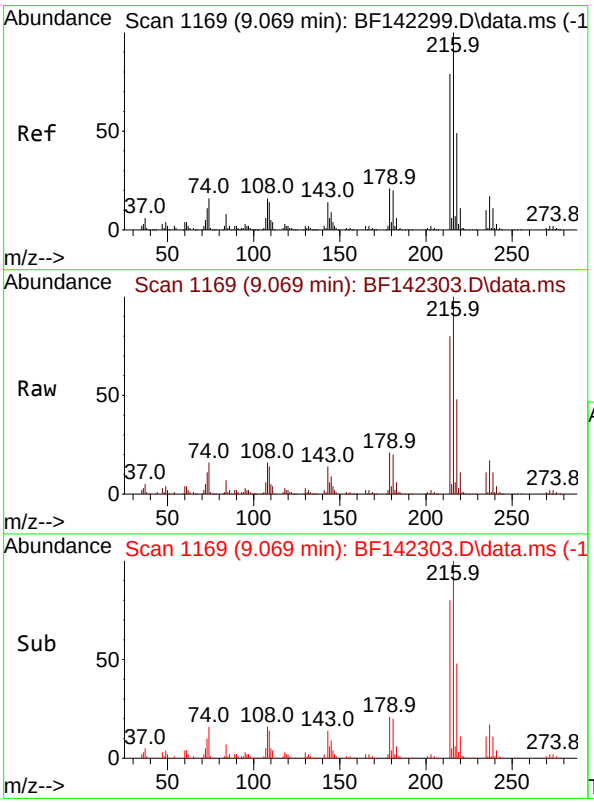
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Tgt Ion:164 Resp: 478877

Ion	Ratio	Lower	Upper
164	100		
162	100.7	79.2	118.8
160	45.0	35.3	52.9

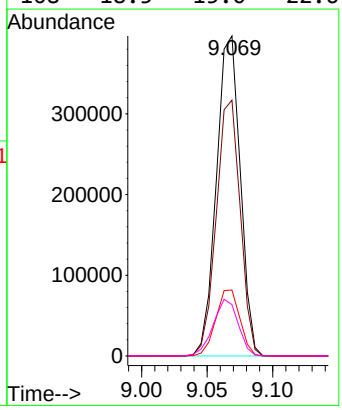


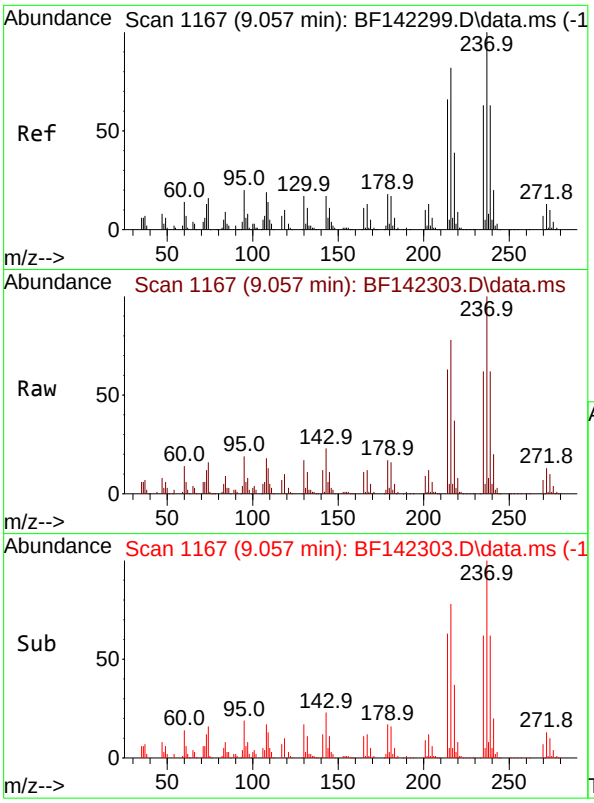


#40
1,2,4,5-Tetrachlorobenzene
Concen: 37.555 ng
RT: 9.069 min Scan# 1169
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:216 Resp: 502278

Ion	Ratio	Lower	Upper
216	100		
214	80.0	63.8	95.6
179	20.8	17.0	25.6
108	18.5	15.0	22.6



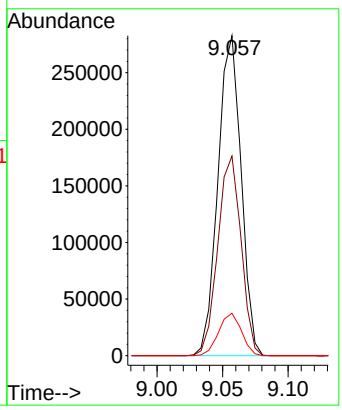


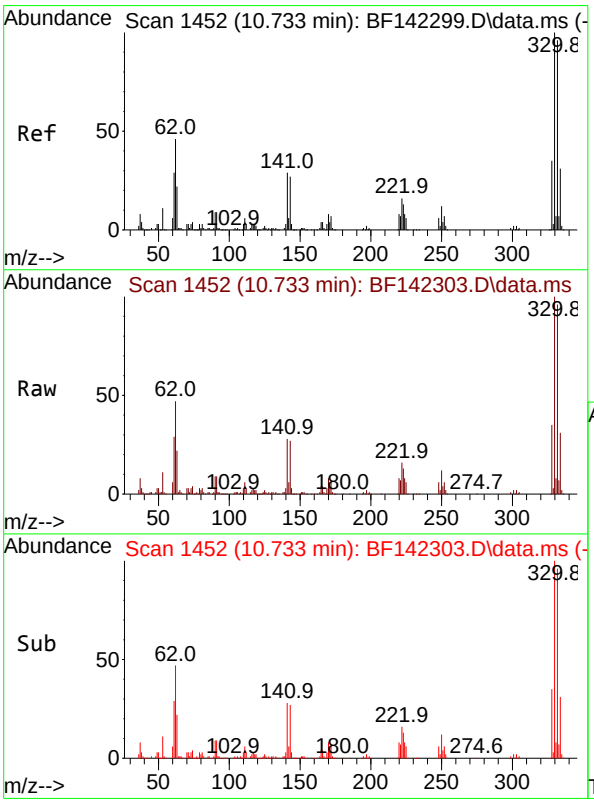
#41
Hexachlorocyclopentadiene
Concen: 42.020 ng
RT: 9.057 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Tgt Ion:237 Resp: 347327

Ion	Ratio	Lower	Upper
237	100		
235	62.4	42.8	82.8
272	13.3	0.0	33.0

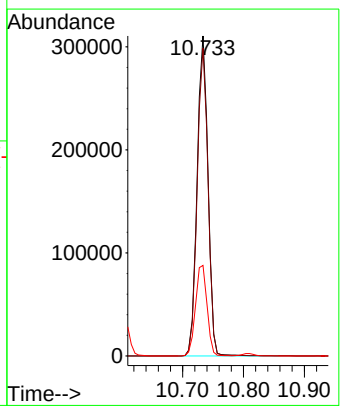


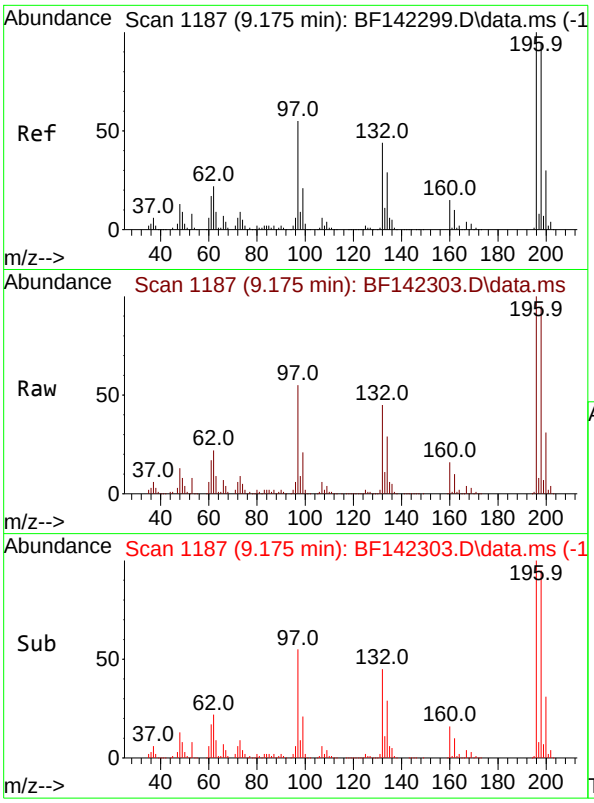


#42
2,4,6-Tribromophenol
Concen: 83.209 ng
RT: 10.733 min Scan# 1452
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:330 Resp: 384712

Ion	Ratio	Lower	Upper
330	100		
332	95.8	76.8	115.2
141	30.1	24.9	37.3



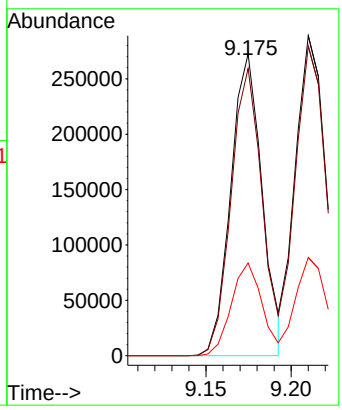


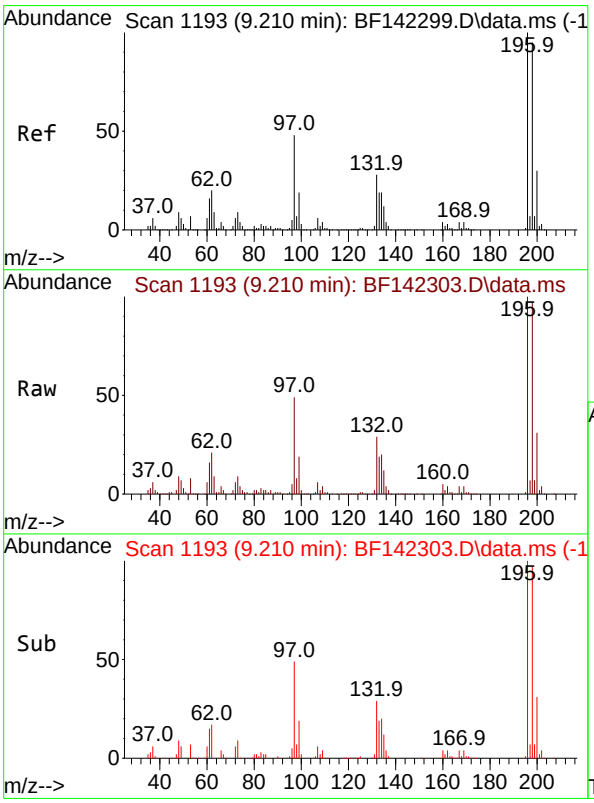
#43
2,4,6-Trichlorophenol
Concen: 41.212 ng
RT: 9.175 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Tgt Ion:196 Resp: 347673

Ion	Ratio	Lower	Upper
196	100		
198	95.2	75.4	113.0
200	30.7	24.3	36.5

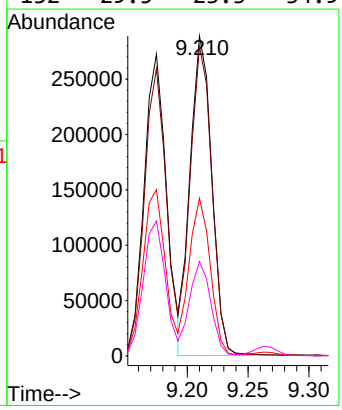


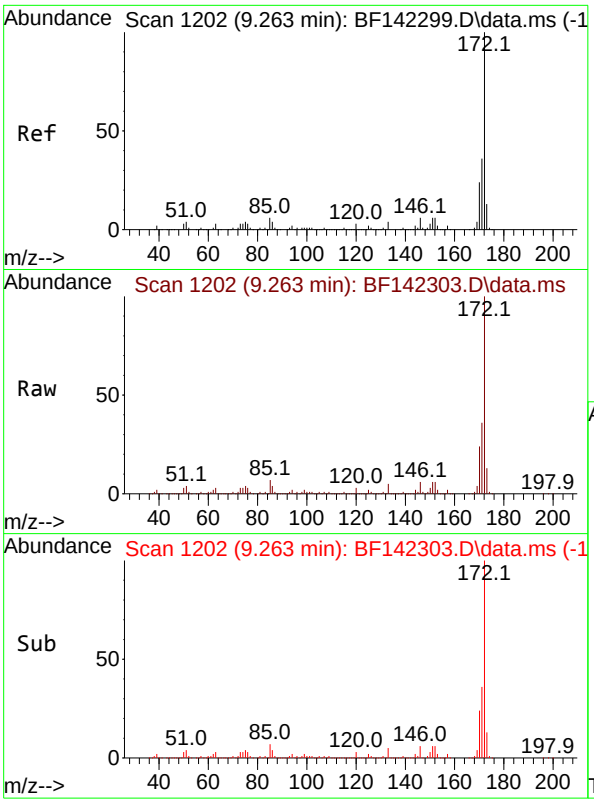


#44
2,4,5-Trichlorophenol
Concen: 39.886 ng
RT: 9.210 min Scan# 1193
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:196 Resp: 358022

Ion	Ratio	Lower	Upper
196	100		
198	96.8	76.1	114.1
97	49.3	39.0	58.4
132	29.5	23.3	34.9



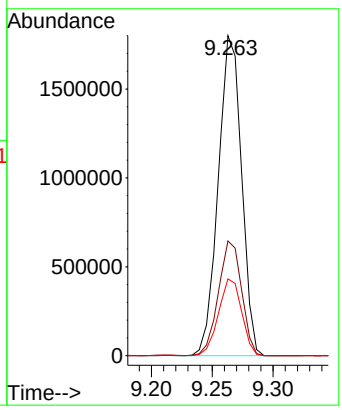


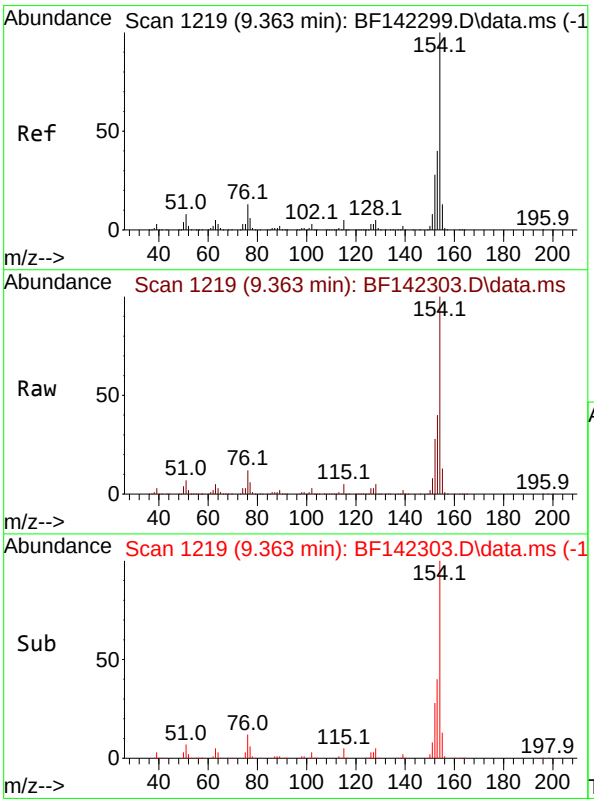
#45
2-Fluorobiphenyl
Concen: 71.371 ng
RT: 9.263 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Tgt Ion:172 Resp: 2396964

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	42.8
170	24.0	19.0	28.4

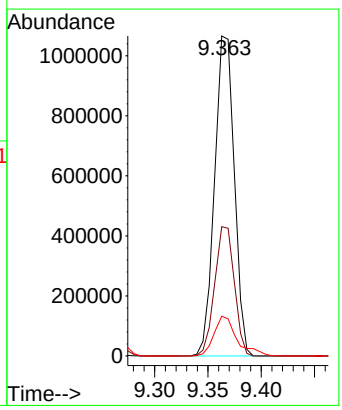


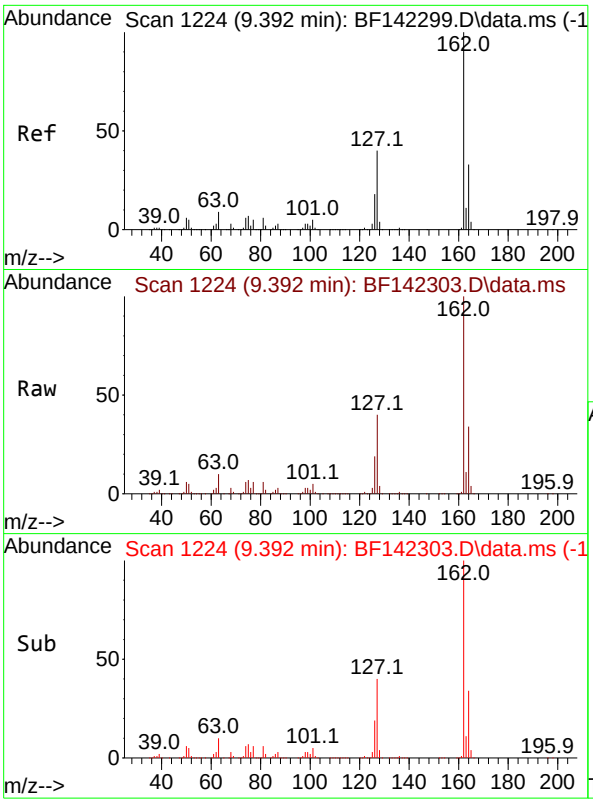


#46
1,1'-Biphenyl
Concen: 37.283 ng
RT: 9.363 min Scan# 1219
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:154 Resp: 1368945

Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.5	60.5
76	12.4	0.0	32.8



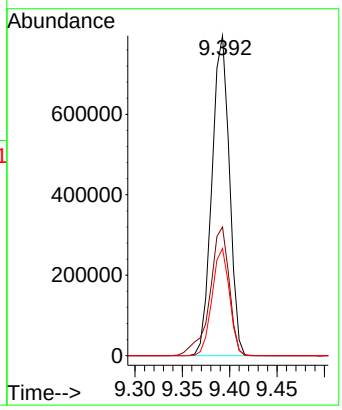


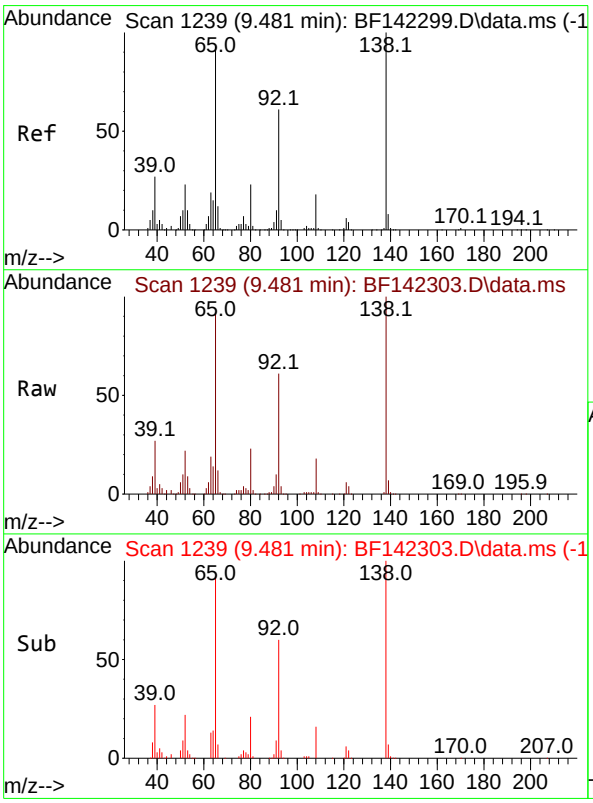
#47
2-Chloronaphthalene
Concen: 37.323 ng
RT: 9.392 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Tgt Ion:162 Resp: 1019130

Ion	Ratio	Lower	Upper
162	100		
127	40.3	32.3	48.5
164	33.5	26.6	40.0

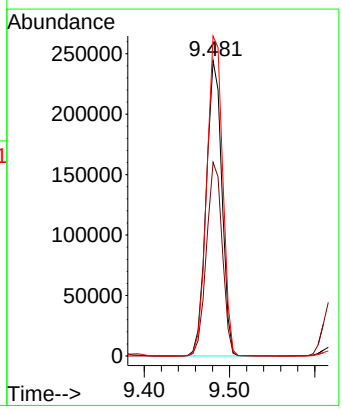


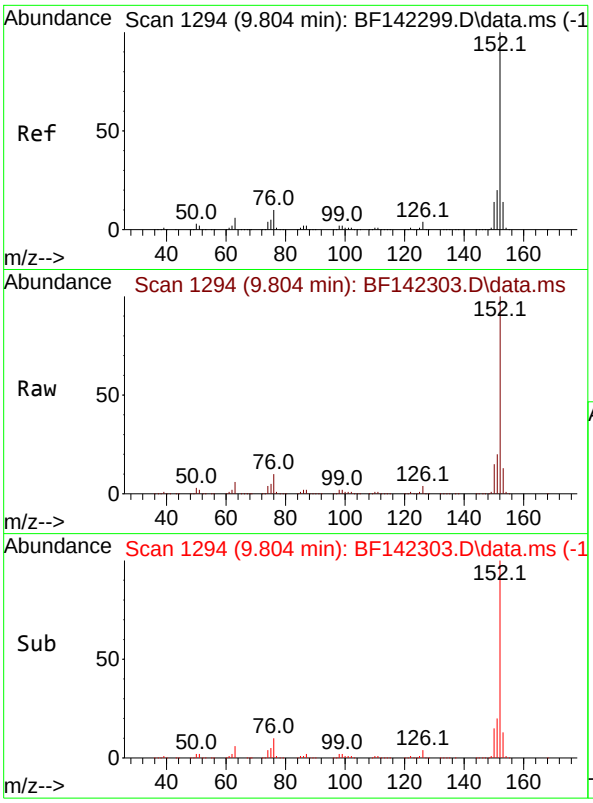


#48
2-Nitroaniline
Concen: 44.681 ng
RT: 9.481 min Scan# 1239
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion: 65 Resp: 312727

Ion	Ratio	Lower	Upper
65	100		
92	65.6	52.3	78.5
138	108.3	85.6	128.4



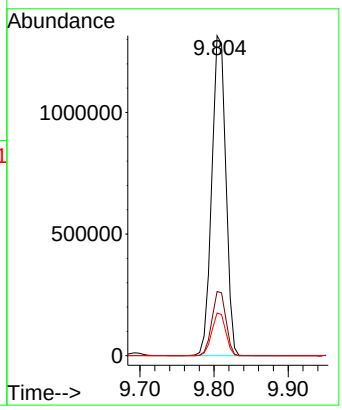


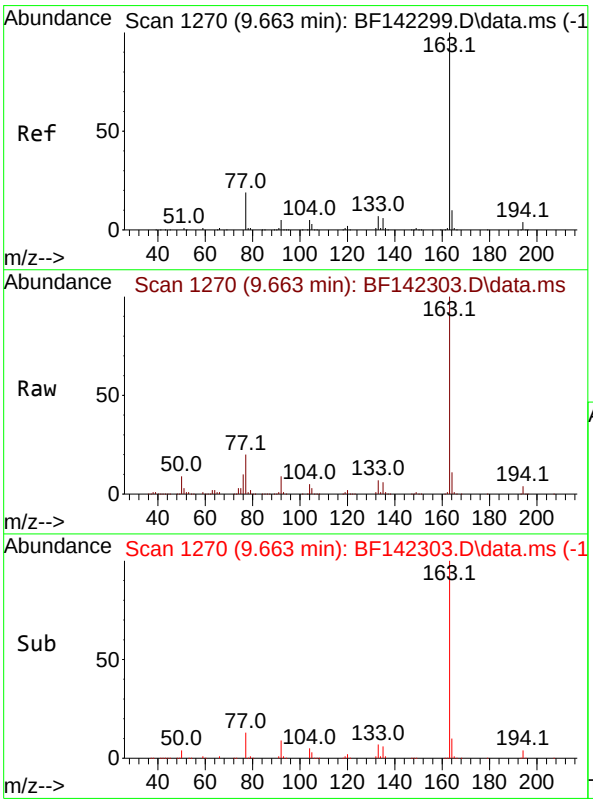
#49
Acenaphthylene
Concen: 37.833 ng
RT: 9.804 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Tgt Ion:152 Resp: 1728165

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.0	24.0
153	13.4	10.8	16.2

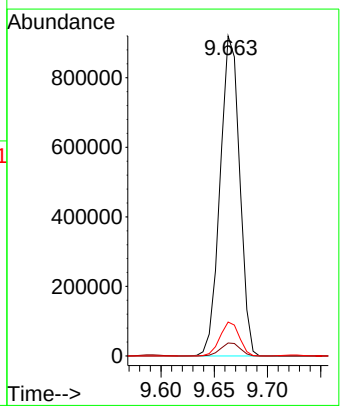


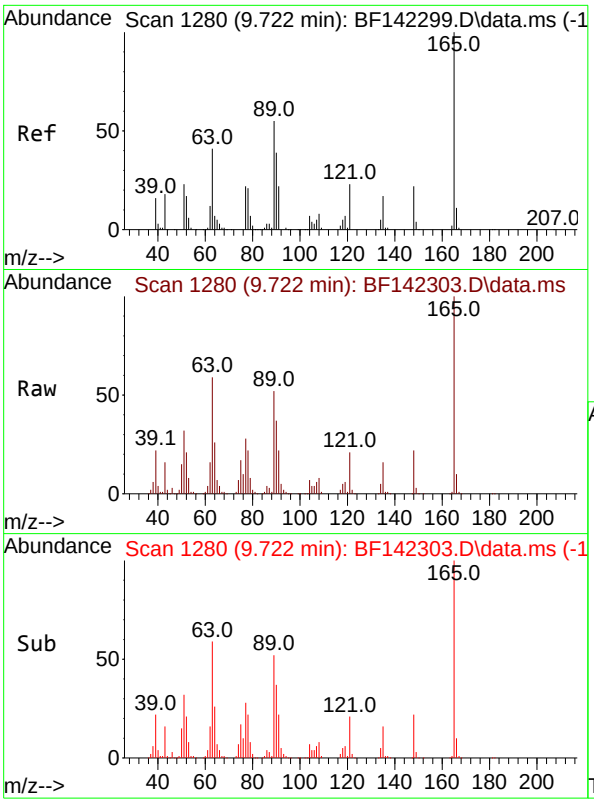


#50
Dimethylphthalate
Concen: 38.154 ng
RT: 9.663 min Scan# 1270
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:163 Resp: 1173252

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.2	4.8
164	10.6	8.3	12.5



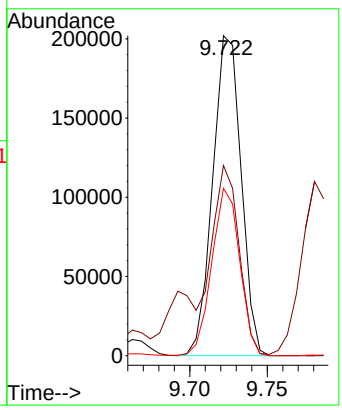


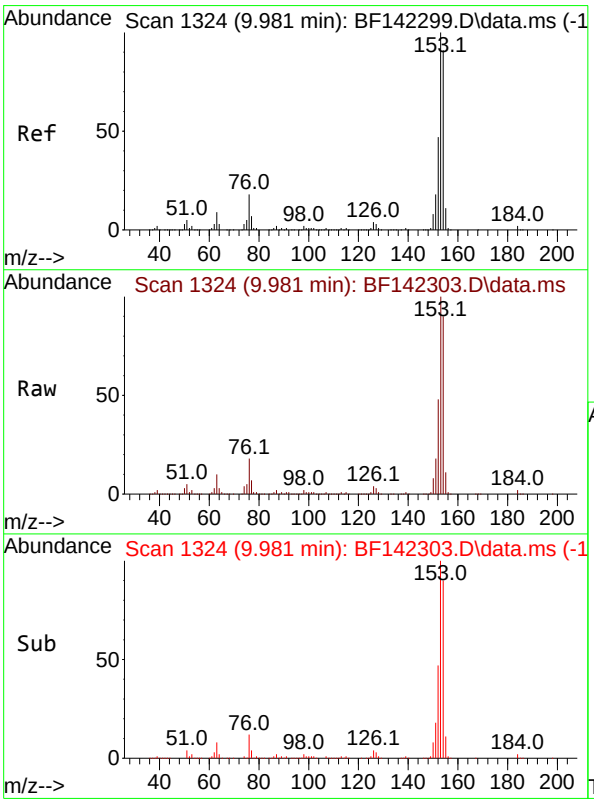
#51
2,6-Dinitrotoluene
Concen: 44.788 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Tgt Ion:165 Resp: 257792

Ion	Ratio	Lower	Upper
165	100		
63	59.5	49.5	74.3
89	52.3	44.6	66.8

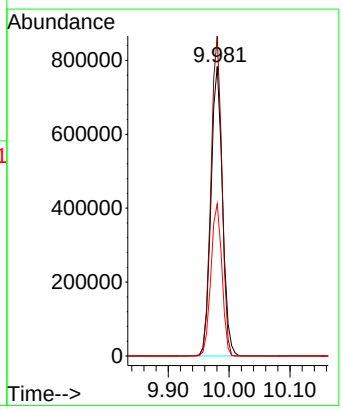


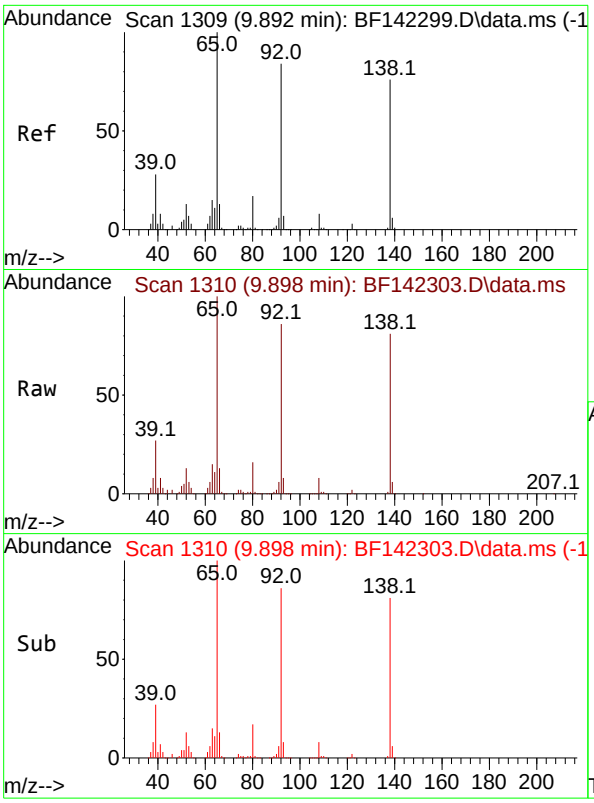


#52
Acenaphthene
Concen: 37.495 ng
RT: 9.981 min Scan# 1324
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:154 Resp: 1029833

Ion	Ratio	Lower	Upper
154	100		
153	110.6	88.0	132.0
152	52.6	41.6	62.4



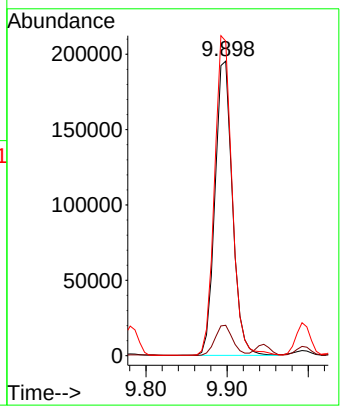


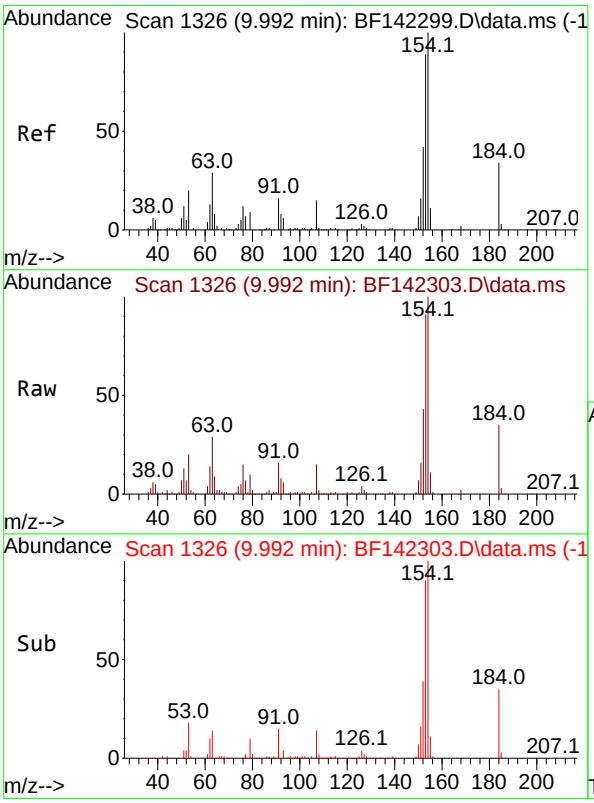
#53
3-Nitroaniline
Concen: 43.190 ng
RT: 9.898 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Tgt Ion:138 Resp: 291556

Ion	Ratio	Lower	Upper
138	100		
108	10.3	8.7	13.1
92	106.7	89.5	134.3

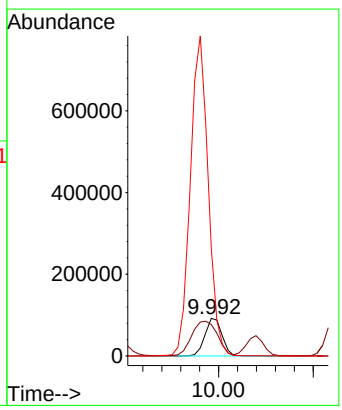


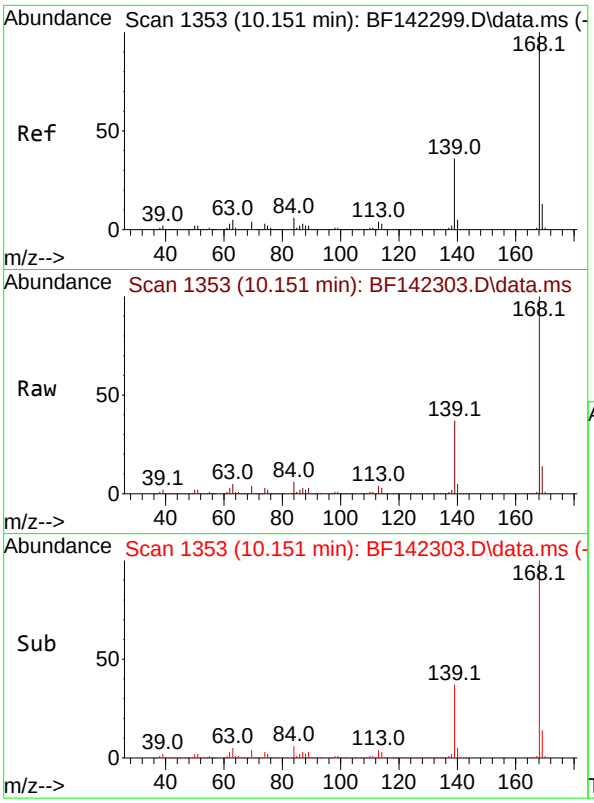


#54
2,4-Dinitrophenol
Concen: 42.149 ng
RT: 9.992 min Scan# 1326
Delta R.T. 0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:184 Resp: 114850

Ion	Ratio	Lower	Upper
184	100		
63	83.6	70.6	105.8
154	285.8	257.2	385.8



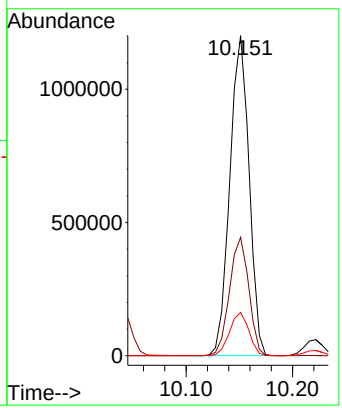


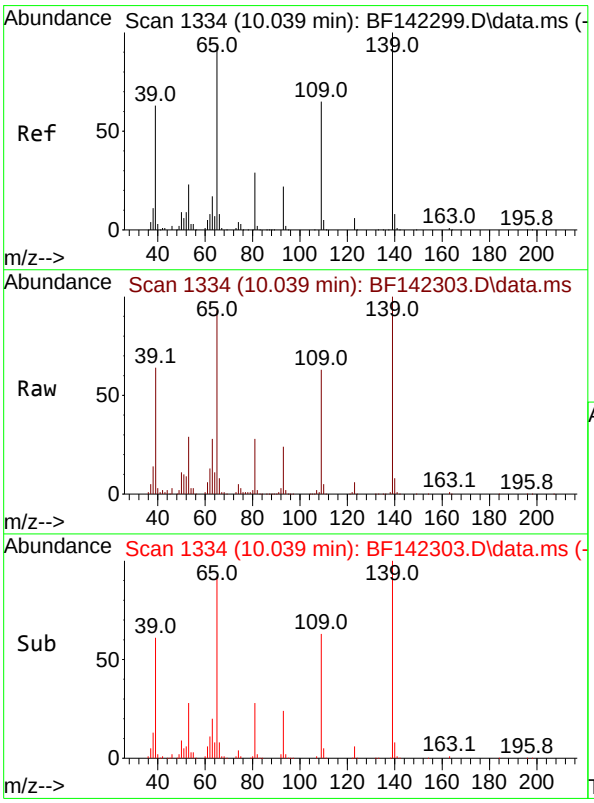
#55
Dibenzofuran
Concen: 37.158 ng
RT: 10.151 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Tgt Ion:168 Resp: 1506186

Ion	Ratio	Lower	Upper
168	100		
139	37.0	29.0	43.4
169	13.5	10.7	16.1

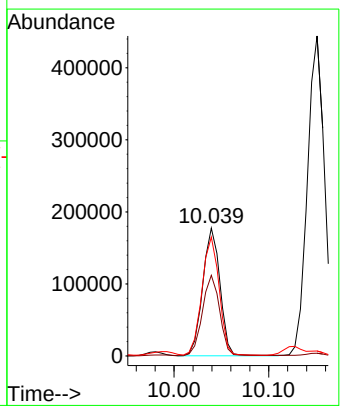


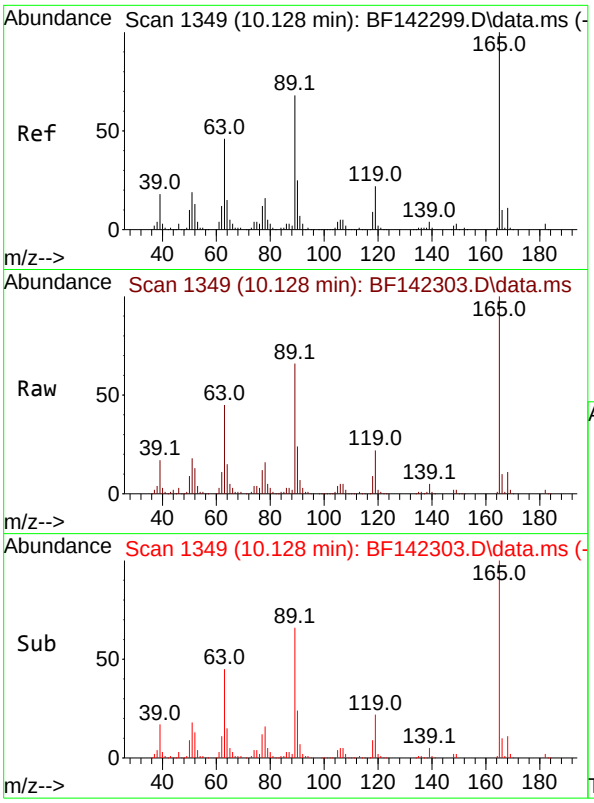


#56
4-Nitrophenol
Concen: 44.381 ng
RT: 10.039 min Scan# 1334
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:139 Resp: 225481

Ion	Ratio	Lower	Upper
139	100		
109	63.1	45.3	85.3
65	93.0	73.9	113.9



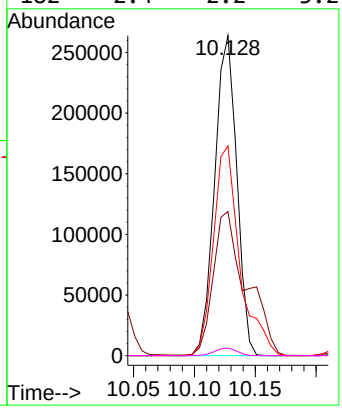


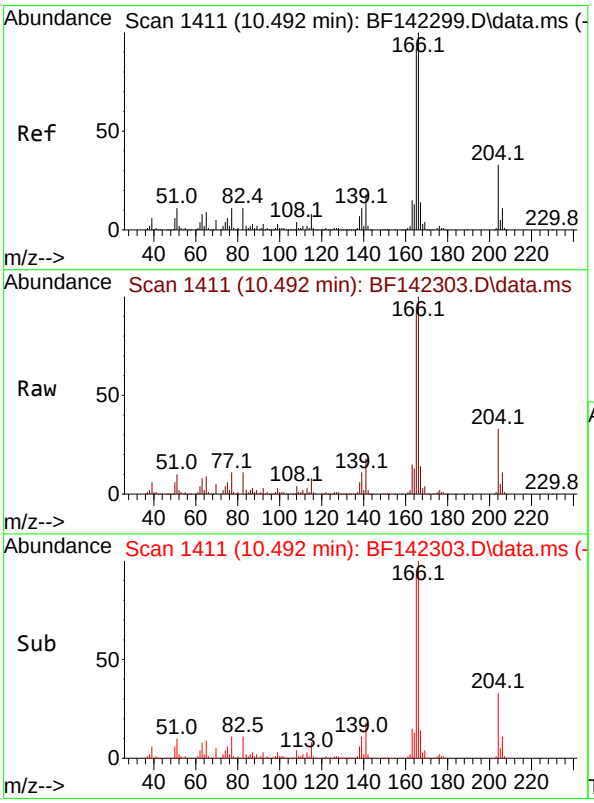
#57
2,4-Dinitrotoluene
Concen: 45.248 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Tgt Ion:165 Resp: 334070

Ion	Ratio	Lower	Upper
165	100		
63	45.0	37.1	55.7
89	65.5	54.4	81.6
182	2.4	2.2	3.2

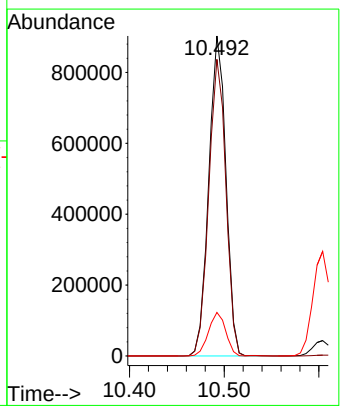


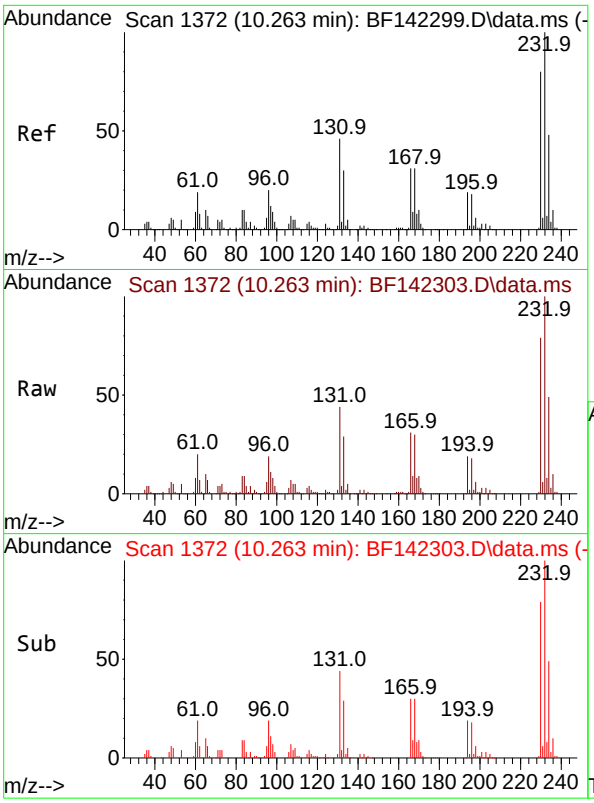


#58
Fluorene
Concen: 36.712 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:166 Resp: 1135685

Ion	Ratio	Lower	Upper
166	100		
165	92.7	74.0	111.0
167	13.6	10.9	16.3



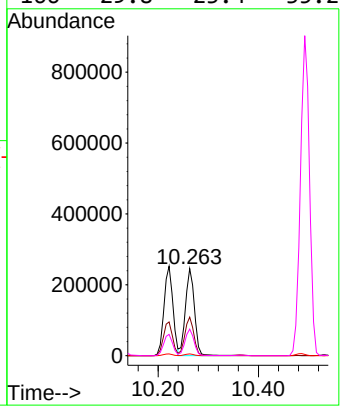


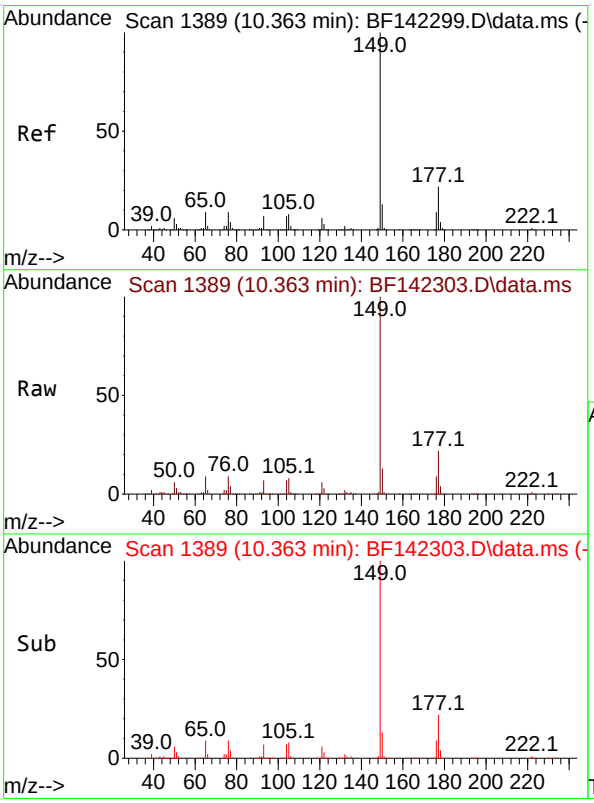
#59
2,3,4,6-Tetrachlorophenol
Concen: 41.630 ng
RT: 10.263 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Tgt Ion:232 Resp: 308477

Ion	Ratio	Lower	Upper
232	100		
131	44.2	36.0	54.0
130	2.0	1.8	2.6
166	29.8	23.4	35.2

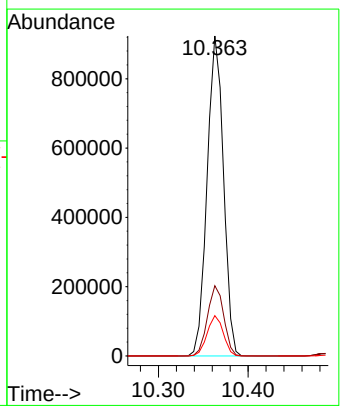


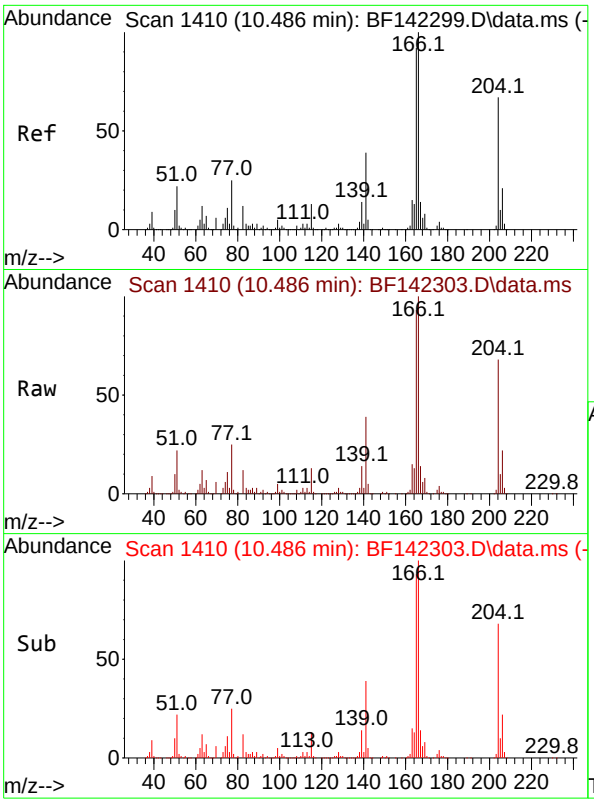


#60
Diethylphthalate
Concen: 38.064 ng
RT: 10.363 min Scan# 1389
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:149 Resp: 1168902

Ion	Ratio	Lower	Upper
149	100		
177	22.0	17.6	26.4
150	12.6	10.1	15.1



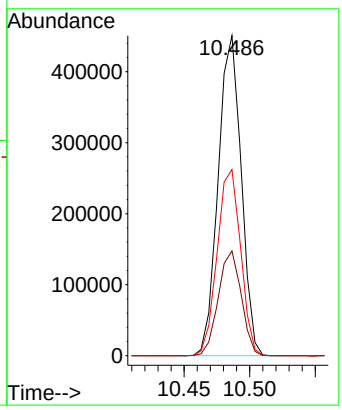


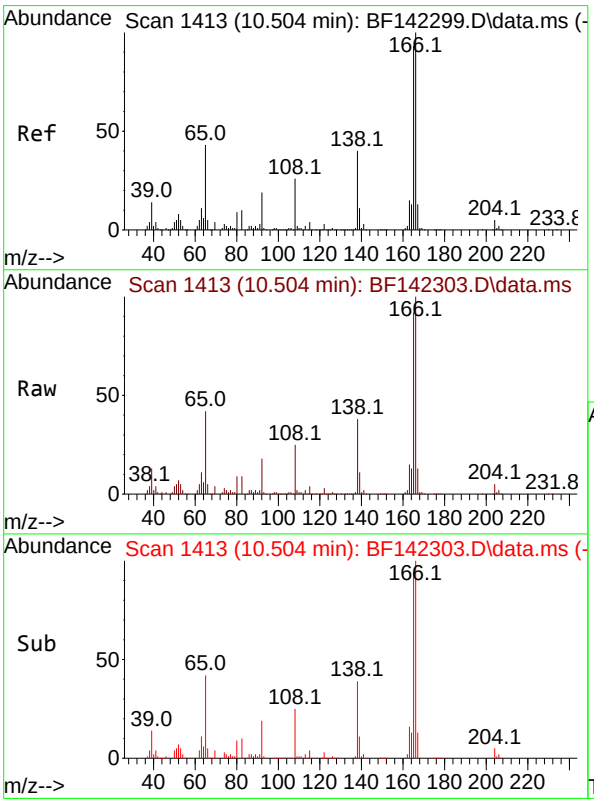
#61
4-Chlorophenyl-phenylether
Concen: 36.826 ng
RT: 10.486 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Tgt Ion:204 Resp: 549616

Ion	Ratio	Lower	Upper
204	100		
206	32.8	25.5	38.3
141	58.2	46.4	69.6

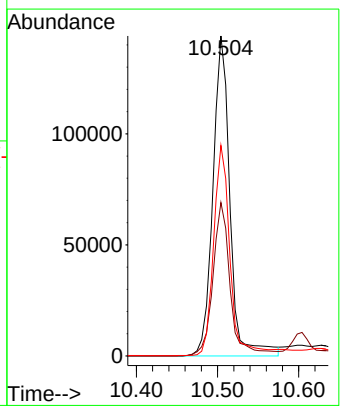


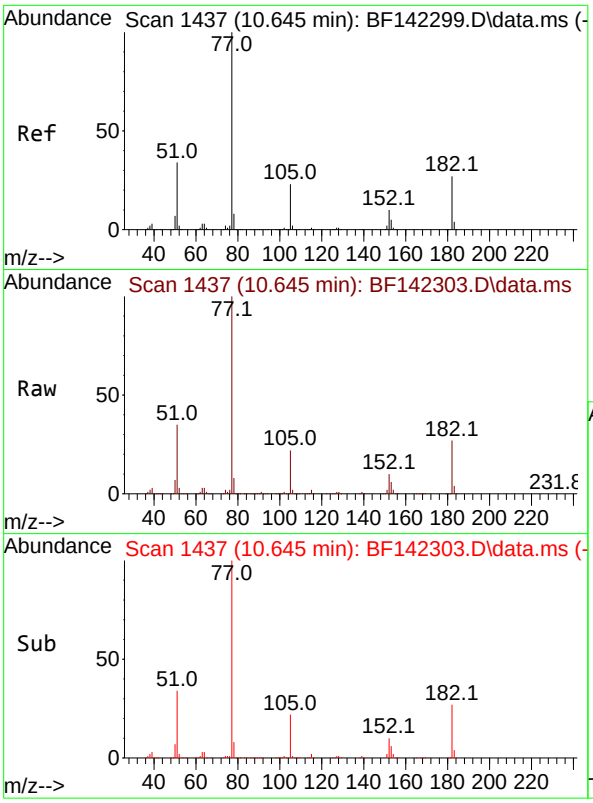


#62
4-Nitroaniline
Concen: 39.327 ng
RT: 10.504 min Scan# 1413
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:138 Resp: 210408

Ion	Ratio	Lower	Upper
138	100		
92	47.9	27.3	67.3
108	65.8	45.1	85.1



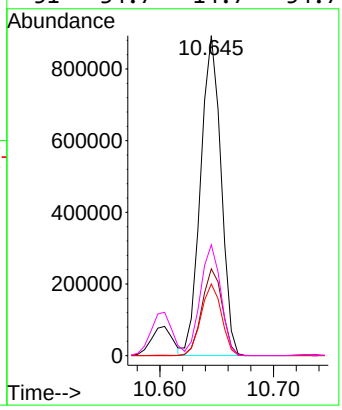


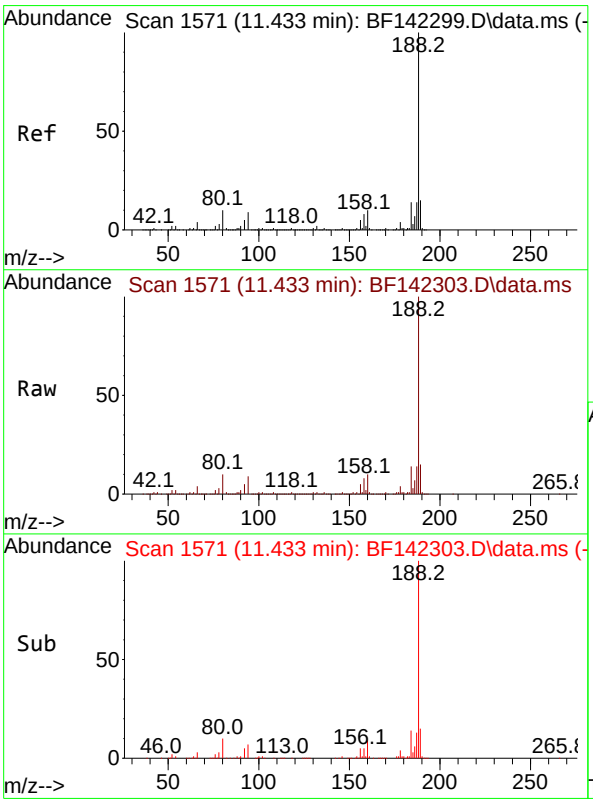
#63
Azobenzene
Concen: 37.908 ng
RT: 10.645 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Tgt Ion: 77 Resp: 1112390

Ion	Ratio	Lower	Upper
77	100		
182	27.2	6.9	46.9
105	22.4	2.7	42.7
51	34.7	14.7	54.7

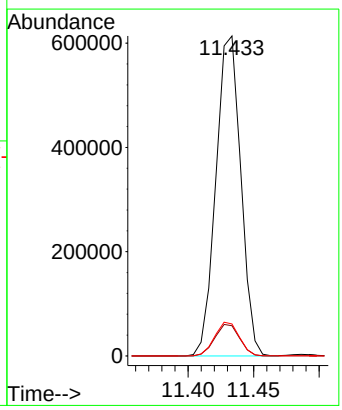


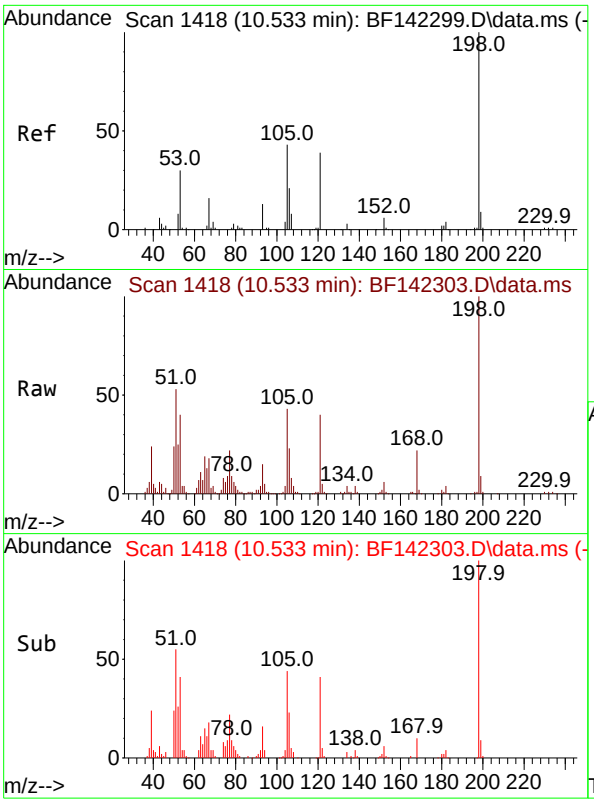


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:188 Resp: 810843

Ion	Ratio	Lower	Upper
188	100		
94	9.5	7.5	11.3
80	10.0	7.9	11.9



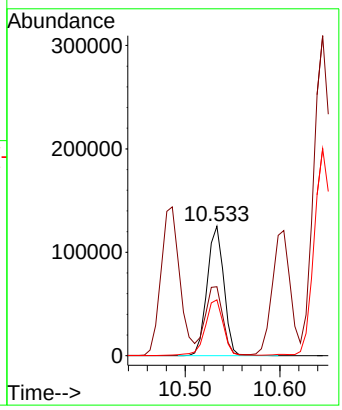


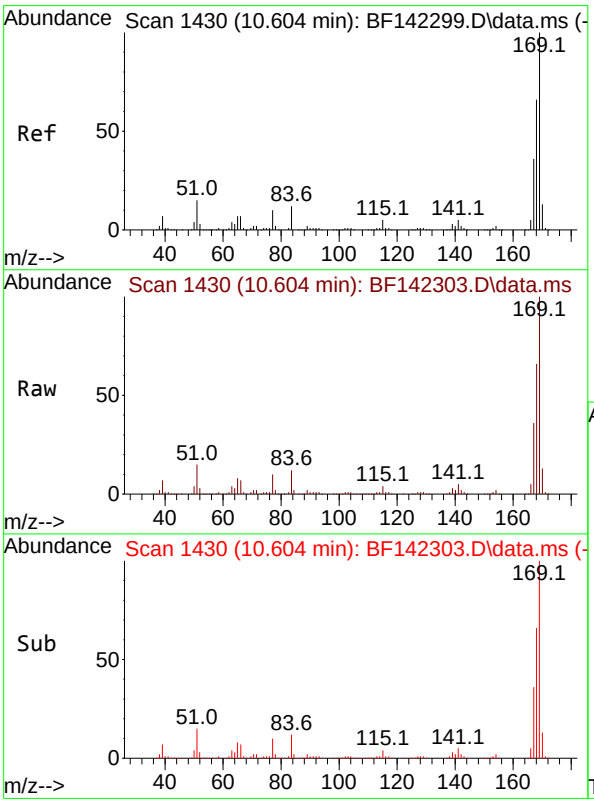
#65
4,6-Dinitro-2-methylphenol
Concen: 41.574 ng
RT: 10.533 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Tgt Ion:198 Resp: 152861

Ion	Ratio	Lower	Upper
198	100		
51	53.3	32.9	72.9
105	43.1	23.7	63.7

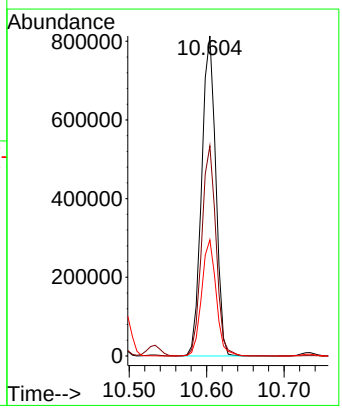


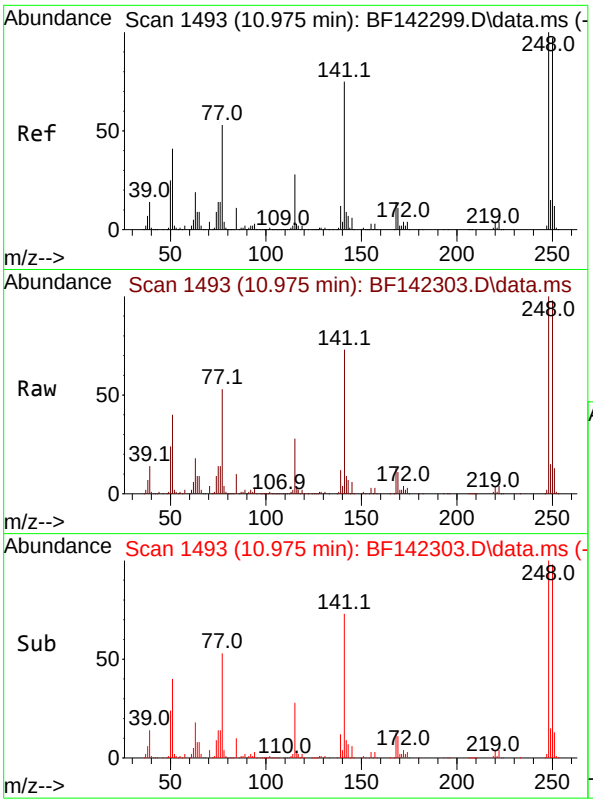


#66
n-Nitrosodiphenylamine
Concen: 38.096 ng
RT: 10.604 min Scan# 1430
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:169 Resp: 1027891

Ion	Ratio	Lower	Upper
169	100		
168	65.7	53.2	79.8
167	36.3	28.9	43.3



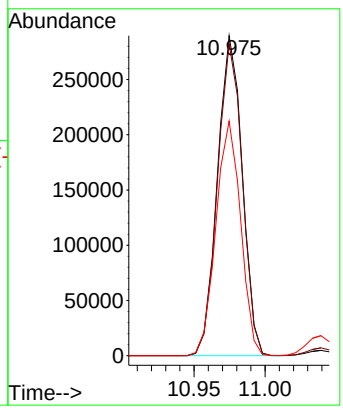


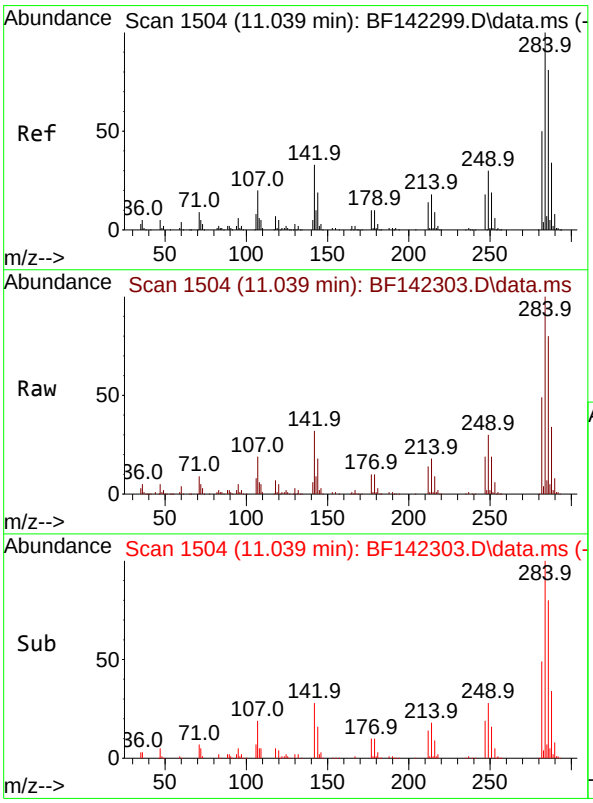
#67
4-Bromophenyl-phenylether
Concen: 38.308 ng
RT: 10.975 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Tgt Ion:248 Resp: 352033

Ion	Ratio	Lower	Upper
248	100		
250	97.5	77.9	116.9
141	73.3	59.8	89.8

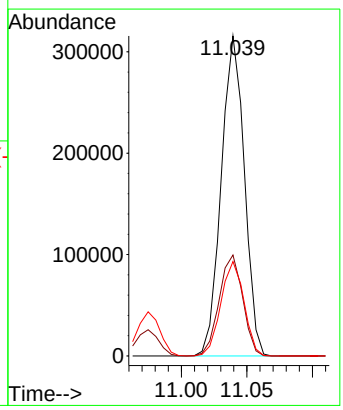


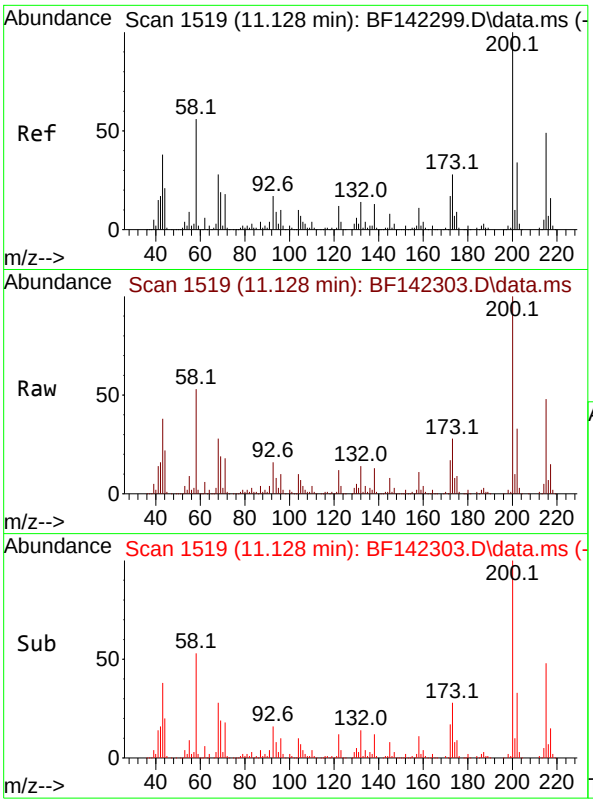


#68
Hexachlorobenzene
Concen: 38.273 ng
RT: 11.039 min Scan# 1504
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:284 Resp: 386876

Ion	Ratio	Lower	Upper
284	100		
142	31.5	26.6	39.8
249	29.5	24.1	36.1



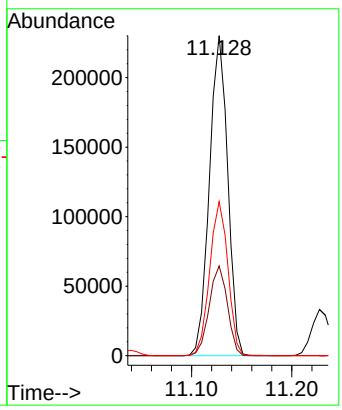


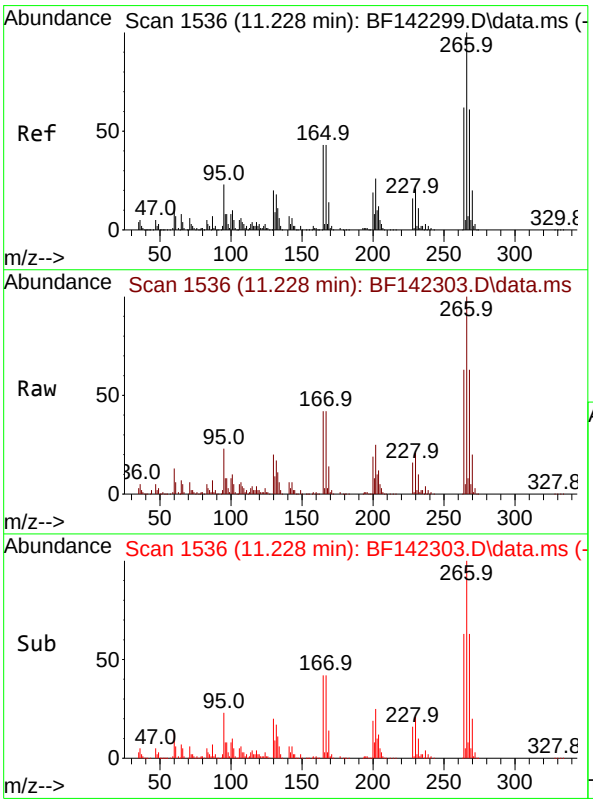
#69
Atrazine
Concen: 41.032 ng
RT: 11.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Tgt Ion:200 Resp: 291834

Ion	Ratio	Lower	Upper
200	100		
173	28.0	8.1	48.1
215	48.2	28.8	68.8

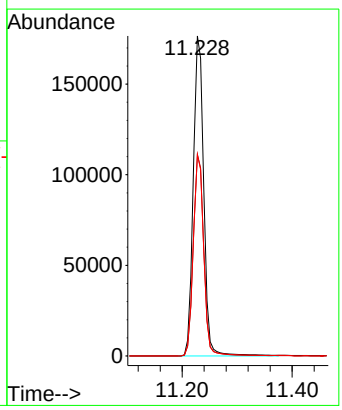


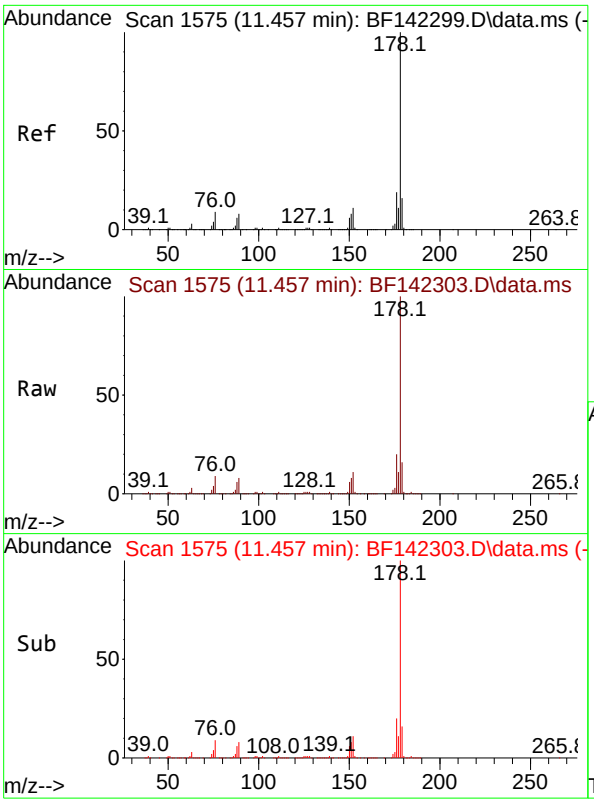


#70
Pentachlorophenol
Concen: 43.855 ng
RT: 11.228 min Scan# 1536
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:266 Resp: 233208

Ion	Ratio	Lower	Upper
266	100		
268	62.9	48.7	73.1
264	62.9	49.8	74.6



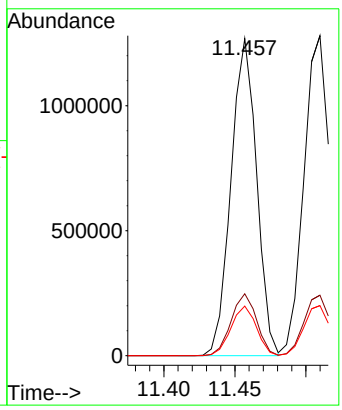


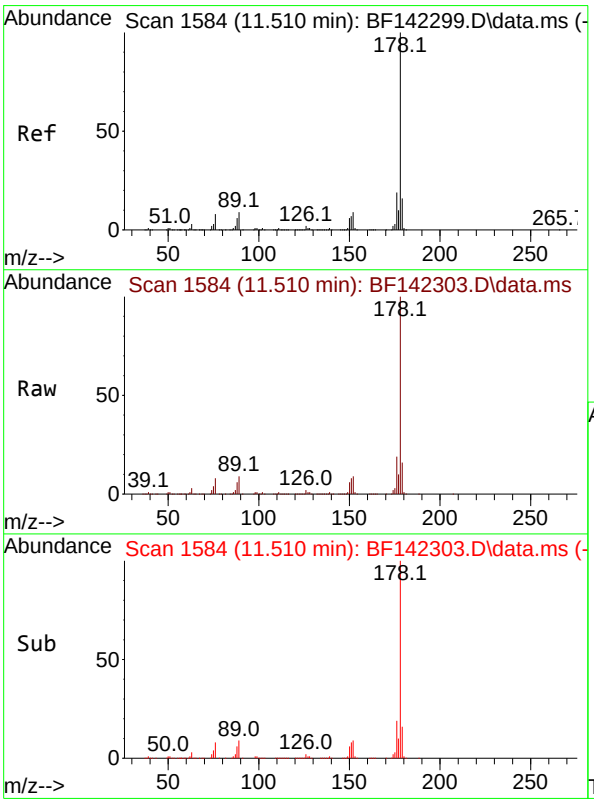
#71
Phenanthrene
Concen: 37.441 ng
RT: 11.457 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Tgt Ion:178 Resp: 1591319

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.5	23.3
179	15.6	12.6	18.8

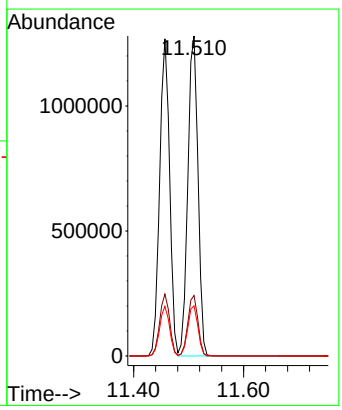


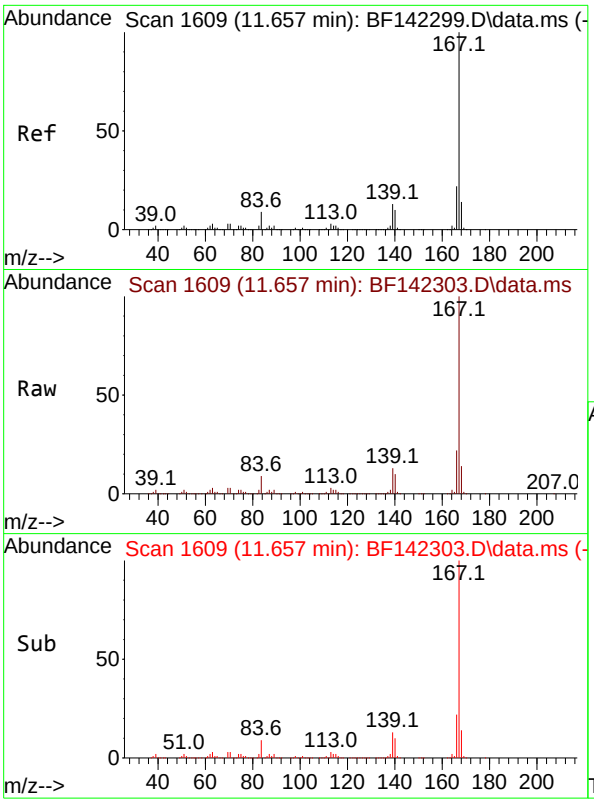


#72
Anthracene
Concen: 37.410 ng
RT: 11.510 min Scan# 1584
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:178 Resp: 1633756

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	15.7	12.6	18.8



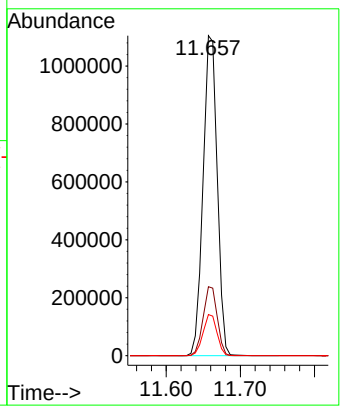


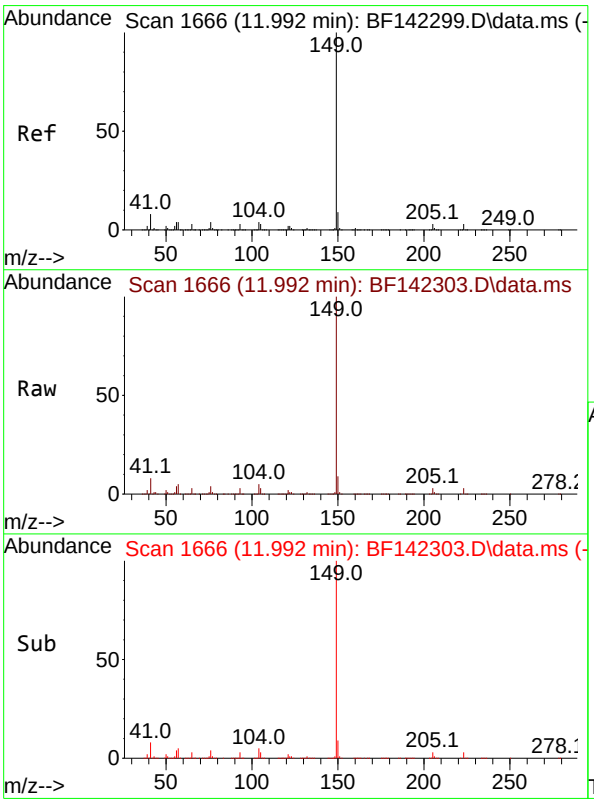
#73
Carbazole
Concen: 37.428 ng
RT: 11.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Tgt Ion:167 Resp: 1466436

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.2	25.8
139	12.9	10.3	15.5

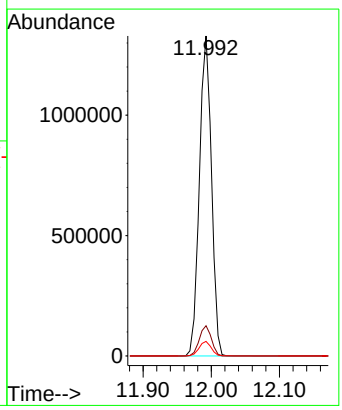


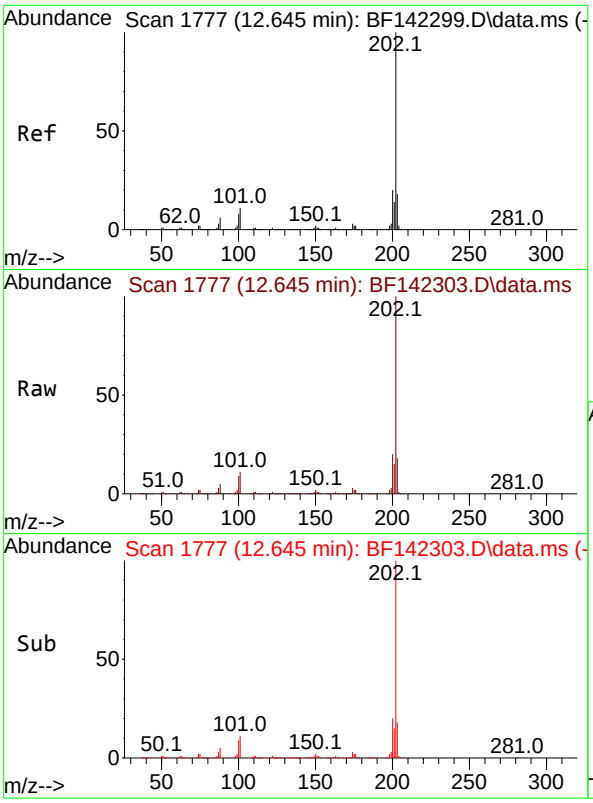


#74
Di-n-butylphthalate
Concen: 39.694 ng
RT: 11.992 min Scan# 1666
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:149 Resp: 1635344

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.5	11.3
104	4.5	3.6	5.4



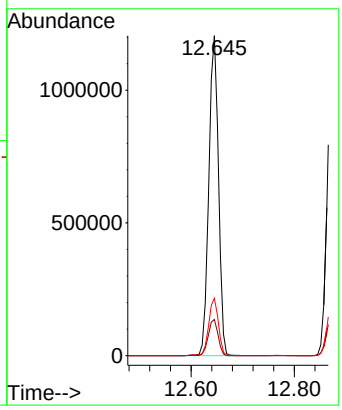


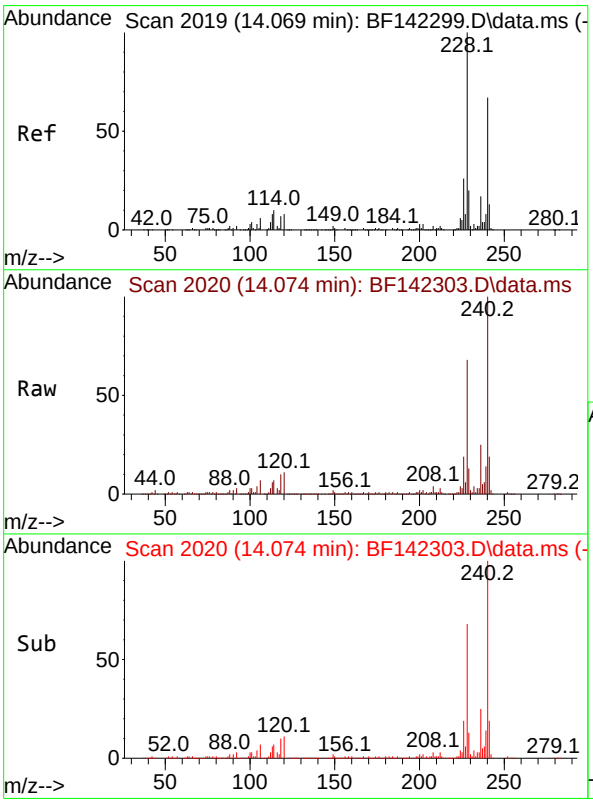
#75
Fluoranthene
Concen: 36.731 ng
RT: 12.645 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Tgt Ion:202 Resp: 1560552

Ion	Ratio	Lower	Upper
202	100		
101	11.3	0.0	31.4
203	18.0	0.0	37.9

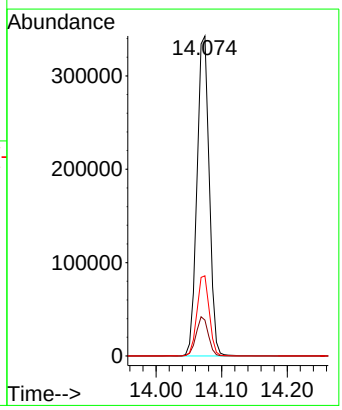


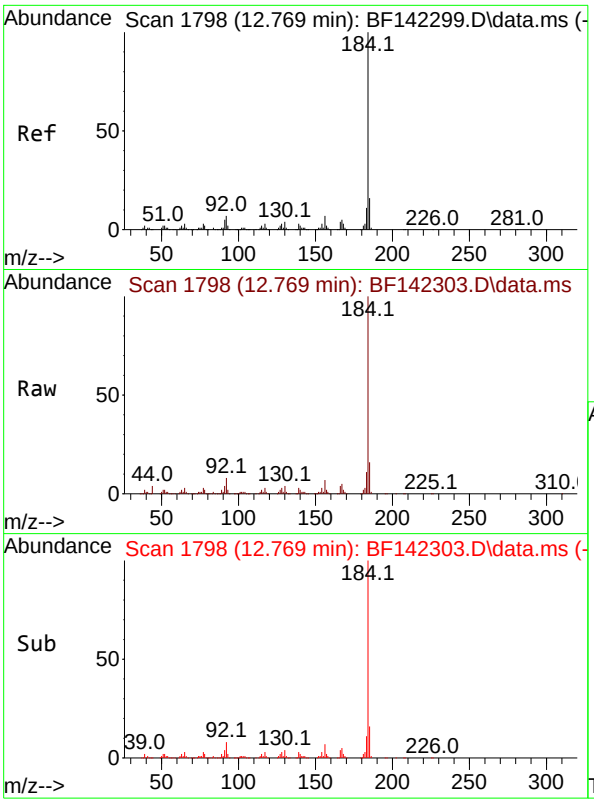


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:240 Resp: 446151

Ion	Ratio	Lower	Upper
240	100		
120	11.2	9.7	14.5
236	25.1	20.0	30.0



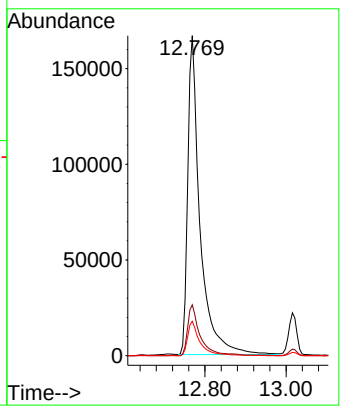


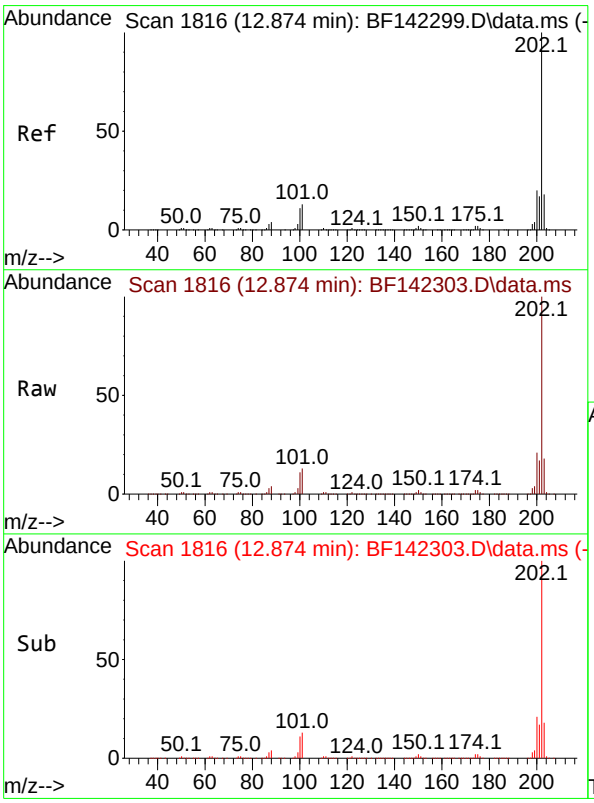
#77
Benzidine
Concen: 43.136 ng
RT: 12.769 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Tgt Ion:184 Resp: 349742

Ion	Ratio	Lower	Upper
184	100		
185	15.9	12.6	18.8
183	10.8	8.6	12.8

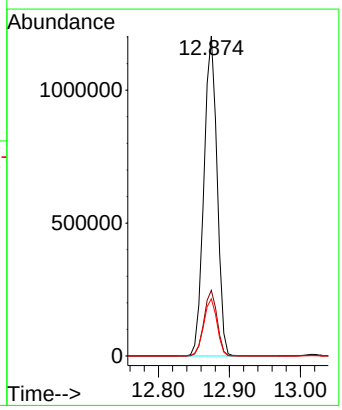


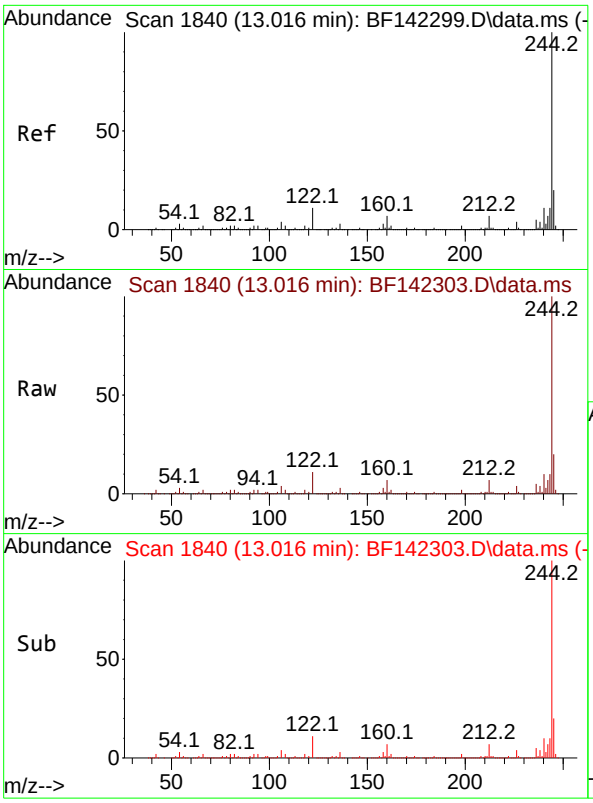


#78
Pyrene
Concen: 39.120 ng
RT: 12.874 min Scan# 1816
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:202 Resp: 1553540

Ion	Ratio	Lower	Upper
202	100		
200	20.5	16.2	24.4
203	17.9	14.3	21.5



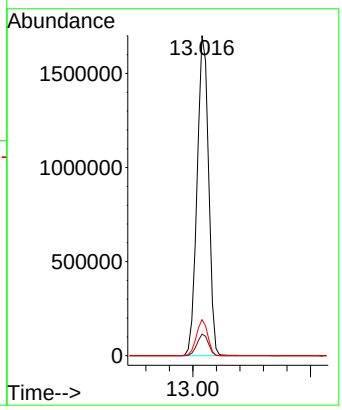


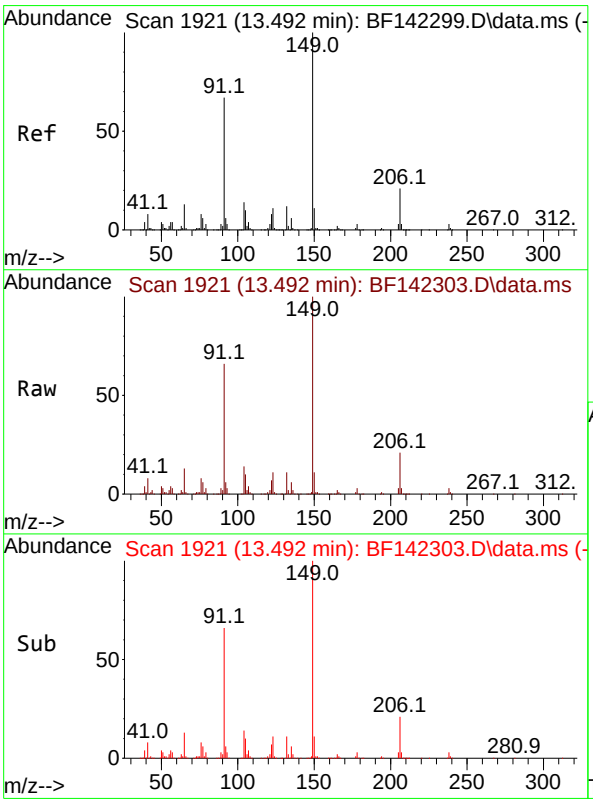
#79
Terphenyl-d14
Concen: 76.366 ng
RT: 13.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Tgt Ion:244 Resp: 2301923

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.4	8.2
122	11.3	9.0	13.4

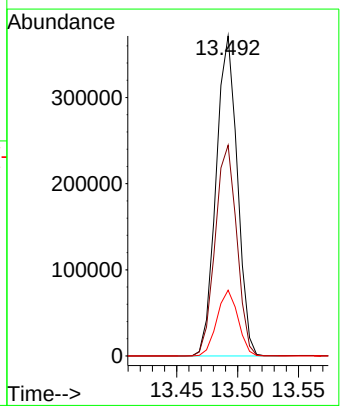


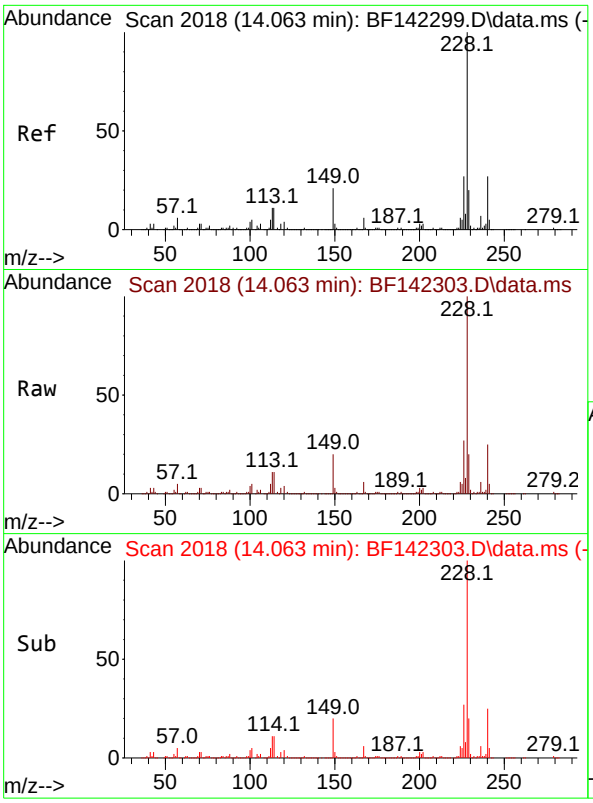


#80
Butylbenzylphthalate
Concen: 39.681 ng
RT: 13.492 min Scan# 1921
Delta R.T. 0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:149 Resp: 451916

Ion	Ratio	Lower	Upper
149	100		
91	65.8	53.8	80.6
206	20.5	16.6	24.8



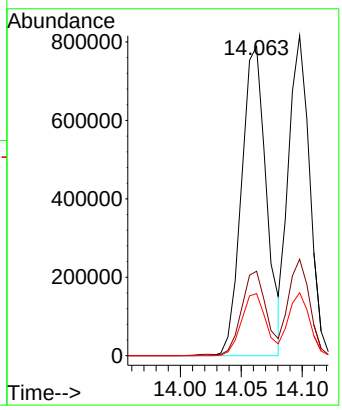


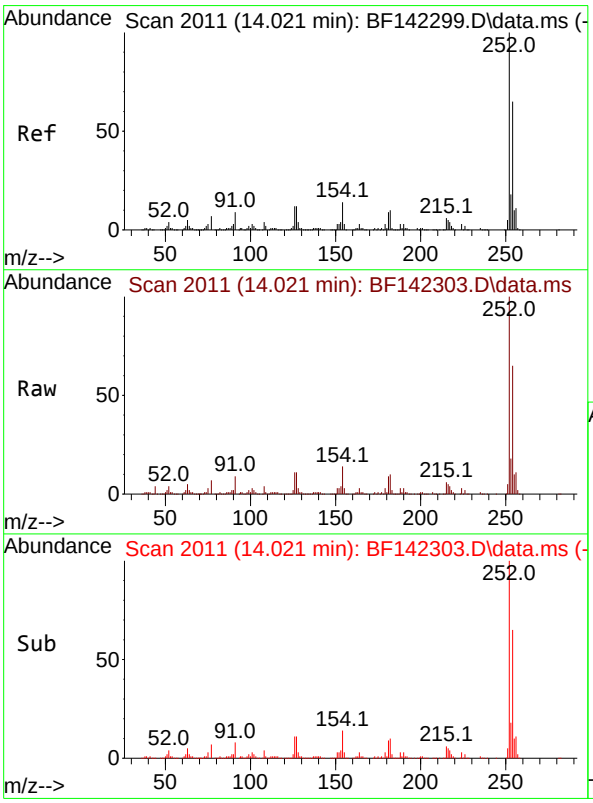
#81
Benzo(a)anthracene
Concen: 38.827 ng
RT: 14.063 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Tgt Ion:228 Resp: 1121831

Ion	Ratio	Lower	Upper
228	100		
226	27.3	21.5	32.3
229	20.0	15.9	23.9

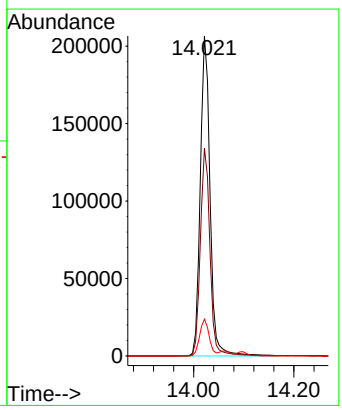


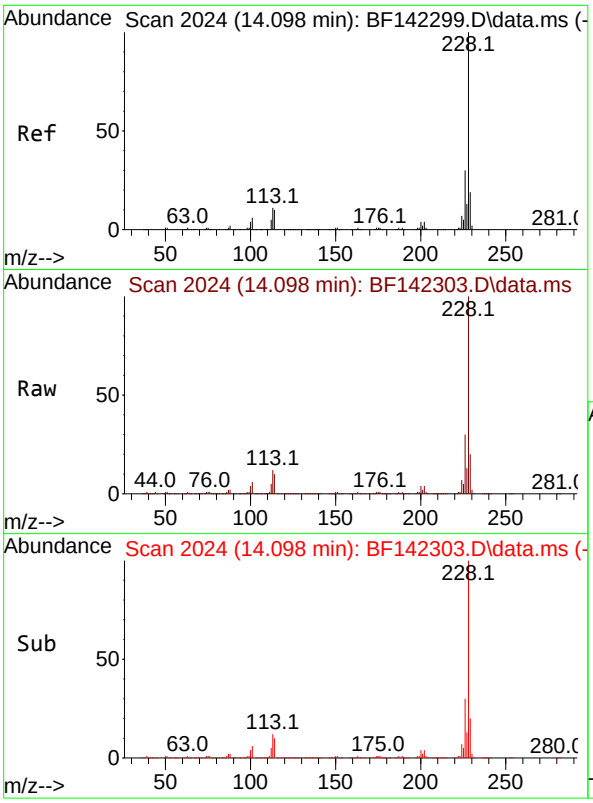


#82
3,3'-Dichlorobenzidine
Concen: 41.464 ng
RT: 14.021 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:252 Resp: 278603

Ion	Ratio	Lower	Upper
252	100		
254	64.9	52.0	78.0
126	11.5	9.7	14.5



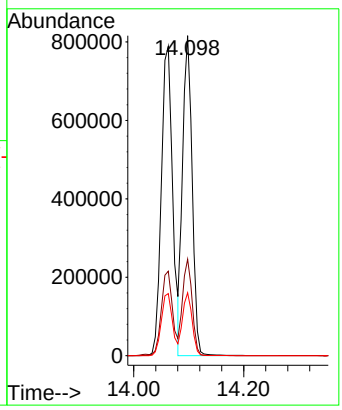


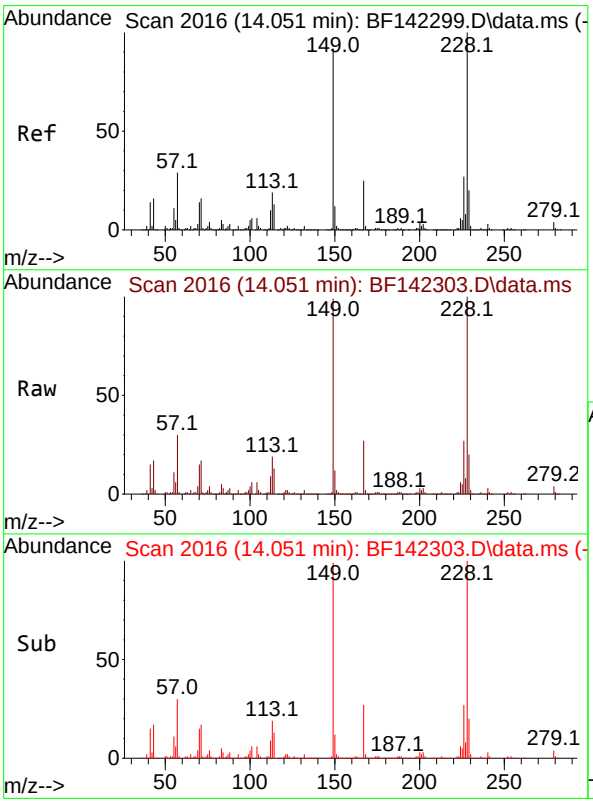
#83
Chrysene
Concen: 36.701 ng
RT: 14.098 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Tgt Ion:228 Resp: 987170

Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.9	35.9
229	19.7	15.4	23.2

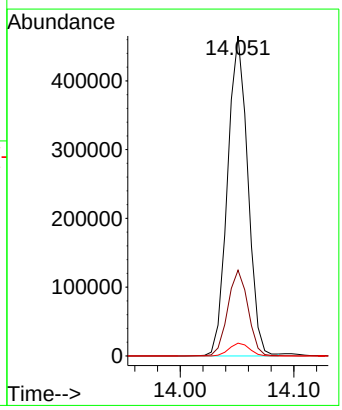


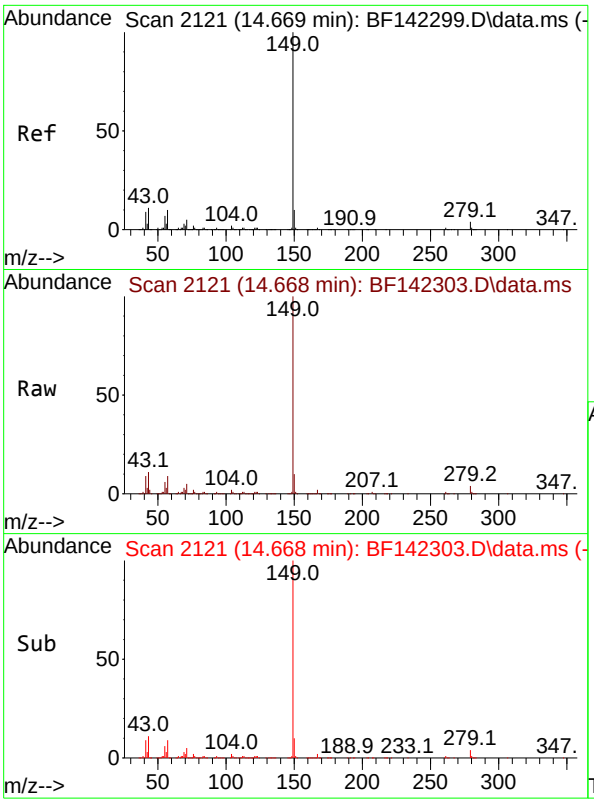


#84
Bis(2-ethylhexyl)phthalate
Concen: 39.051 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:149 Resp: 576295

Ion	Ratio	Lower	Upper
149	100		
167	26.8	22.0	33.0
279	4.0	3.0	4.6



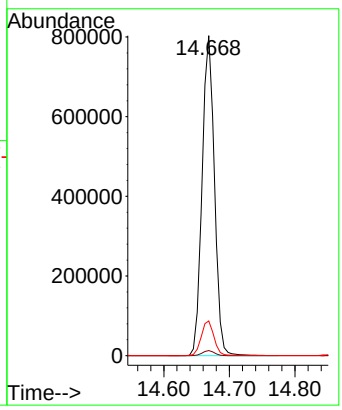


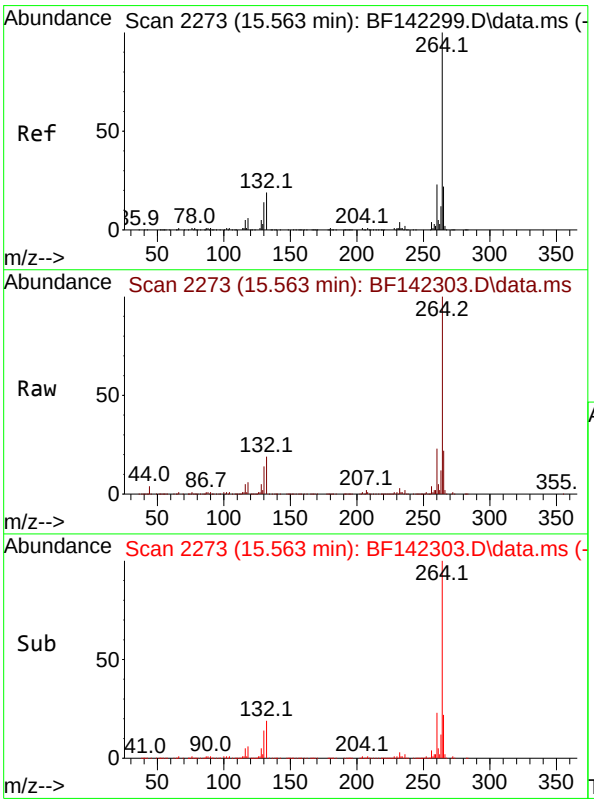
#85
Di-n-octyl phthalate
Concen: 40.234 ng
RT: 14.668 min Scan# 21
Delta R.T. -0.001 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Tgt Ion:149 Resp: 1053573

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.1	1.7
43	11.3	9.2	13.8

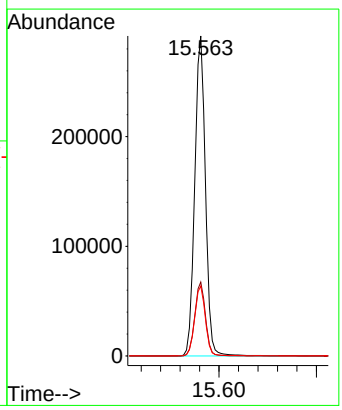


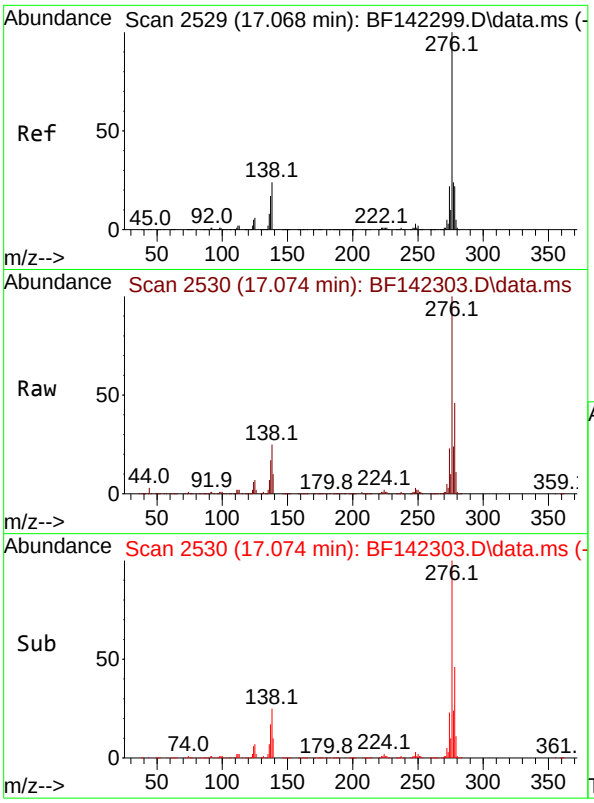


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.563 min Scan# 2273
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:264 Resp: 447218

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.6	27.8
265	21.9	17.5	26.3



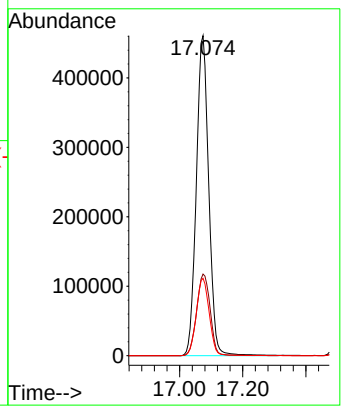


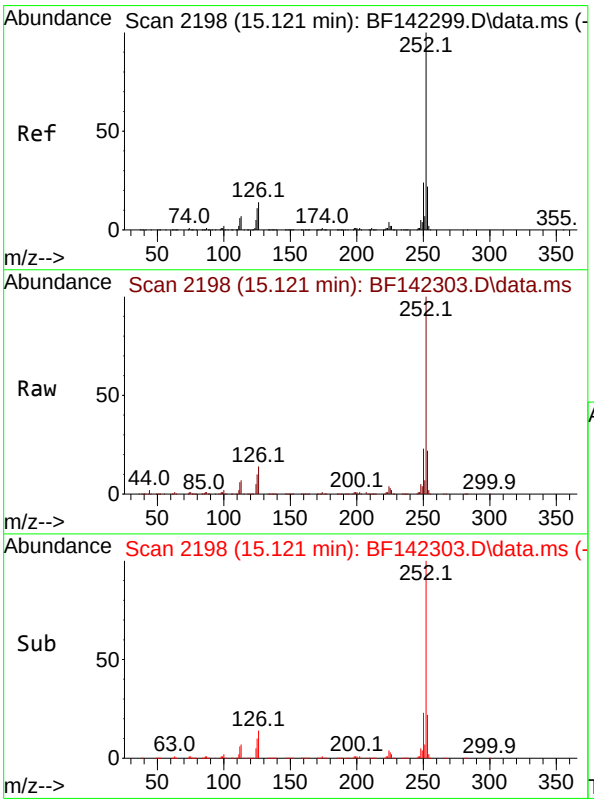
#87
Indeno(1,2,3-cd)pyrene
Concen: 40.452 ng
RT: 17.074 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Tgt Ion:276 Resp: 1258449

Ion	Ratio	Lower	Upper
276	100		
138	27.8	22.0	33.0
277	25.2	20.1	30.1

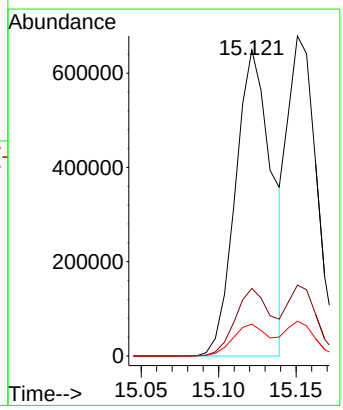


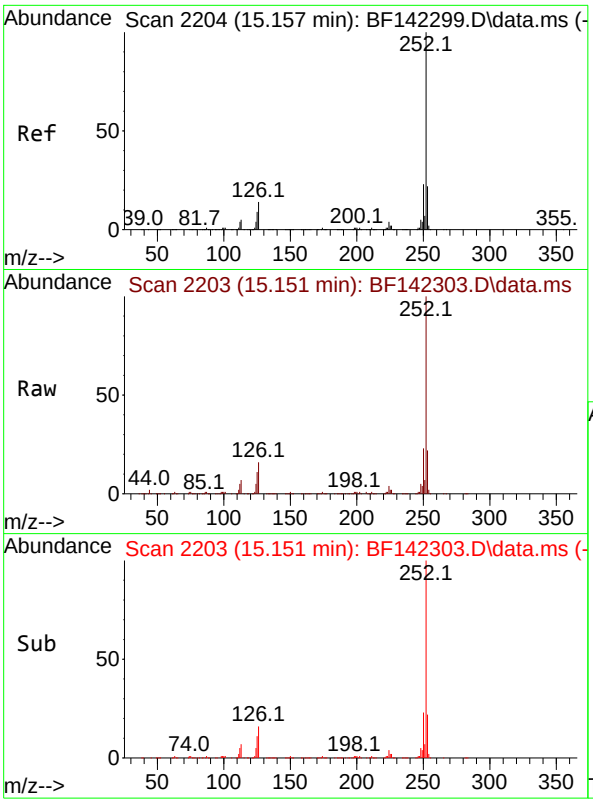


#88
Benzo(b)fluoranthene
Concen: 38.957 ng
RT: 15.121 min Scan# 2198
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:252 Resp: 1055207

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.7	26.5
125	10.4	8.7	13.1



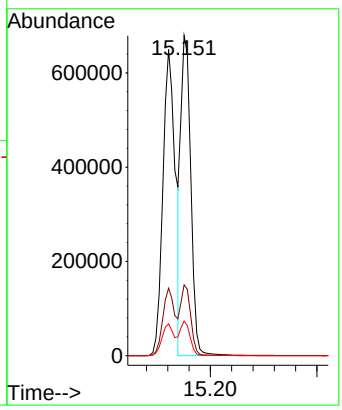


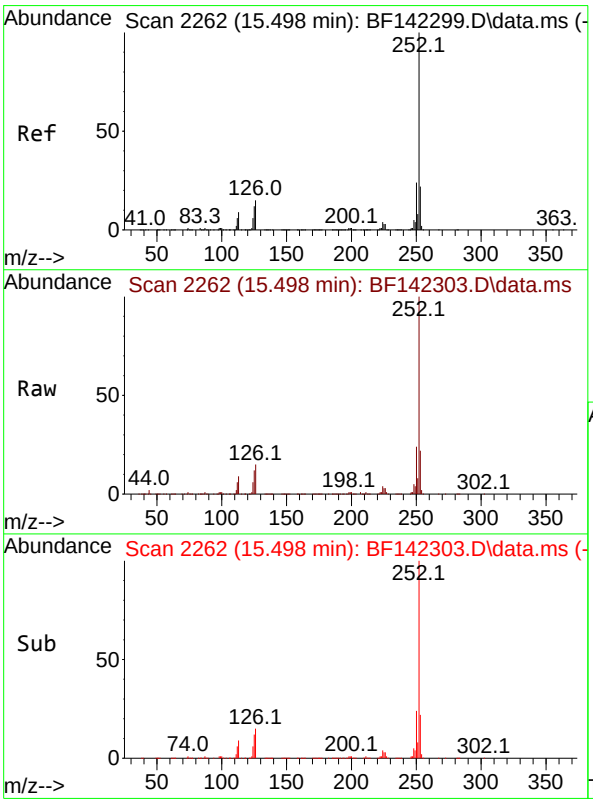
#89
Benzo(k)fluoranthene
Concen: 35.727 ng
RT: 15.151 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Tgt Ion:252 Resp: 885574

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.6	26.4
125	10.8	8.1	12.1

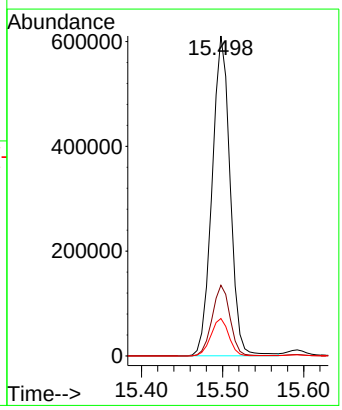


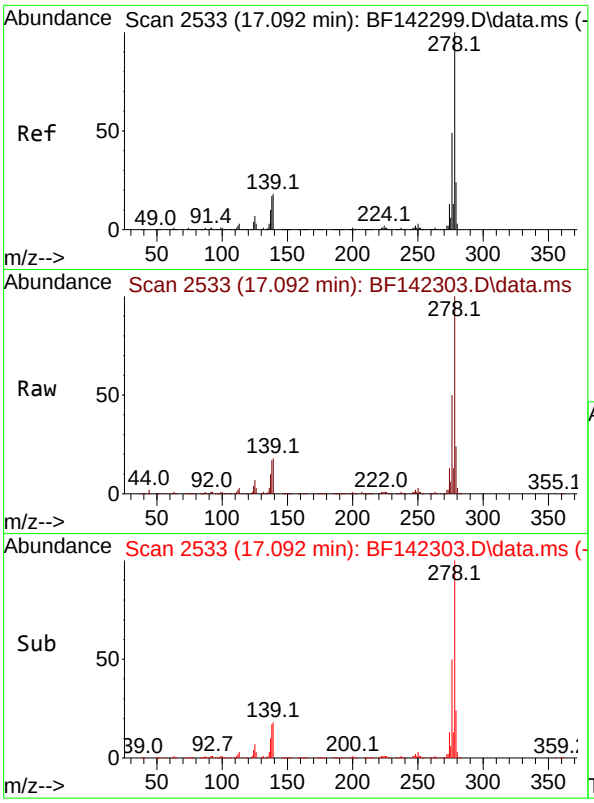


#90
Benzo(a)pyrene
Concen: 38.871 ng
RT: 15.498 min Scan# 2262
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:252 Resp: 943474

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.8	26.6
125	11.7	9.4	14.0



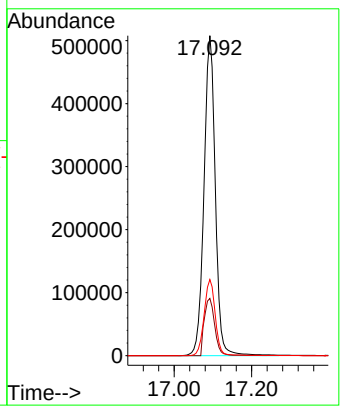


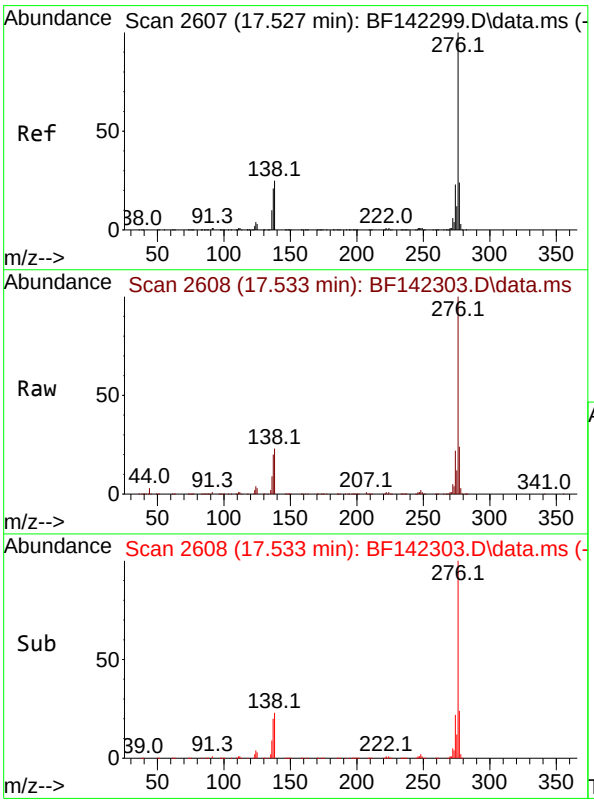
#91
Dibenzo(a,h)anthracene
Concen: 40.084 ng
RT: 17.092 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Tgt Ion:278 Resp: 1030211

Ion	Ratio	Lower	Upper
278	100		
139	17.9	14.5	21.7
279	23.8	18.9	28.3

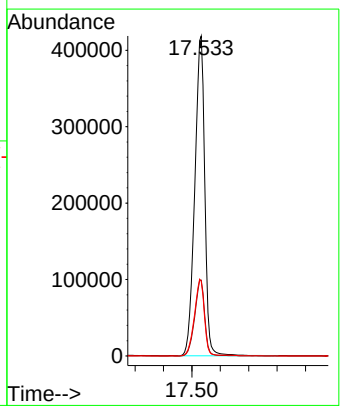




#92
Benzo(g,h,i)perylene
Concen: 40.171 ng
RT: 17.533 min Scan# 2608
Delta R.T. 0.006 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Tgt Ion:276 Resp: 1024727

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.0	28.6
138	23.3	19.8	29.6



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142384.D
Acq On : 15 May 2025 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: May 15 10:43:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	167469	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	652293	20.000	ng	0.00
39) Acenaphthene-d10	9.945	164	352544	20.000	ng	0.00
64) Phenanthrene-d10	11.427	188	609842	20.000	ng	0.00
76) Chrysene-d12	14.068	240	307770	20.000	ng	0.00
86) Perylene-d12	15.556	264	334801	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	793699	80.905	ng	0.00
7) Phenol-d6	6.528	99	973163	80.654	ng	0.00
23) Nitrobenzene-d5	7.469	82	945883	88.437	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	321545	94.468	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	1880482	76.057	ng	0.00
79) Terphenyl-d14	13.015	244	1718750	82.657	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.681	88	165382	37.436	ng	98
3) Pyridine	3.445	79	423152	40.797	ng	99
4) n-Nitrosodimethylamine	3.398	42	227064	37.667	ng	97
6) Aniline	6.563	93	627828	53.049	ng	100
8) 2-Chlorophenol	6.686	128	449181	42.847	ng	98
9) Benzaldehyde	6.451	77	264659	37.477	ng	99
10) Phenol	6.539	94	564949	44.171	ng	97
11) bis(2-Chloroethyl)ether	6.639	93	403831	32.018	ng	97
12) 1,3-Dichlorobenzene	6.845	146	477678	39.828	ng	99
13) 1,4-Dichlorobenzene	6.922	146	479424	39.812	ng	99
14) 1,2-Dichlorobenzene	7.075	146	459174	39.725	ng	99
15) Benzyl Alcohol	7.039	79	350796	44.898	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.175	45	699875	37.159	ng	100
17) 2-Methylphenol	7.151	107	341529	40.240	ng	100
18) Hexachloroethane	7.416	117	166684	41.602	ng	99
19) n-Nitroso-di-n-propyla...	7.316	70	297251	39.827	ng	98
20) 3+4-Methylphenols	7.304	107	428978	40.498	ng	96
22) Acetophenone	7.316	105	563832	38.876	ng	99
24) Nitrobenzene	7.486	77	428681	42.519	ng	96
25) Isophorone	7.728	82	797707	39.386	ng	99
26) 2-Nitrophenol	7.798	139	234213	48.180	ng	98
27) 2,4-Dimethylphenol	7.833	122	413214	40.579	ng	100
28) bis(2-Chloroethoxy)met...	7.933	93	491833	37.765	ng	100
29) 2,4-Dichlorophenol	8.039	162	367794	42.484	ng	99
30) 1,2,4-Trichlorobenzene	8.128	180	397960	40.845	ng	99
31) Naphthalene	8.210	128	1241567	39.273	ng	100
32) Benzoic acid	7.945	122	262715	48.080	ng	98
33) 4-Chloroaniline	8.257	127	427785	33.162	ng	99
34) Hexachlorobutadiene	8.328	225	235169	40.762	ng	99
35) Caprolactam	8.622	113	110904	43.955	ng	96
36) 4-Chloro-3-methylphenol	8.727	107	388839	43.207	ng	98
37) 2-Methylnaphthalene	8.898	142	779778	39.695	ng	99
38) 1-Methylnaphthalene	8.998	142	807941	39.461	ng	100
40) 1,2,4,5-Tetrachloroben...	9.063	216	396248	40.244	ng	99
41) Hexachlorocyclopentadiene	9.051	237	275586	45.288	ng	100
43) 2,4,6-Trichlorophenol	9.175	196	277366	44.660	ng	99

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142384.D
Acq On : 15 May 2025 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: May 15 10:43:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	284606	43.069	ng		99
46) 1,1'-Biphenyl	9.363	154	1054716	39.019	ng		99
47) 2-Chloronaphthalene	9.386	162	793640	39.480	ng		99
48) 2-Nitroaniline	9.480	65	242020	46.970	ng		93
49) Acenaphthylene	9.804	152	1330203	39.556	ng		100
50) Dimethylphthalate	9.663	163	920024	40.641	ng		99
51) 2,6-Dinitrotoluene	9.722	165	202470	47.782	ng		92
52) Acenaphthene	9.974	154	823139	40.709	ng		100
53) 3-Nitroaniline	9.892	138	231519	46.586	ng		93
54) 2,4-Dinitrophenol	9.992	184	109406	52.287	ng	#	31
55) Dibenzofuran	10.145	168	1177533	39.460	ng		99
56) 4-Nitrophenol	10.039	139	190242	50.863	ng		98
57) 2,4-Dinitrotoluene	10.122	165	272568	50.147	ng		96
58) Fluorene	10.492	166	887188	38.957	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	246742	45.231	ng		98
60) Diethylphthalate	10.363	149	894154	39.551	ng		99
61) 4-Chlorophenyl-phenyle...	10.480	204	442251	40.251	ng		99
62) 4-Nitroaniline	10.504	138	190827	48.448	ng		99
63) Azobenzene	10.639	77	829169	38.382	ng		100
65) 4,6-Dinitro-2-methylph...	10.533	198	143343	50.061	ng		92
66) n-Nitrosodiphenylamine	10.598	169	795348	39.193	ng		100
67) 4-Bromophenyl-phenylether	10.974	248	278763	40.333	ng		96
68) Hexachlorobenzene	11.039	284	308205	40.540	ng		96
69) Atrazine	11.121	200	220173	41.159	ng		100
70) Pentachlorophenol	11.227	266	196607	49.158	ng		98
71) Phenanthrene	11.451	178	1232846	38.567	ng		100
72) Anthracene	11.504	178	1276652	38.868	ng		100
73) Carbazole	11.657	167	1120621	38.029	ng		99
74) Di-n-butylphthalate	11.986	149	1222117	39.441	ng		100
75) Fluoranthene	12.639	202	1178524	36.881	ng		99
77) Benzidine	12.763	184	338767	60.569	ng		98
78) Pyrene	12.868	202	1163491	42.472	ng		99
80) Butylbenzylphthalate	13.486	149	341169	43.080	ng		98
81) Benzo(a)anthracene	14.057	228	787940	39.532	ng		100
82) 3,3'-Dichlorobenzidine	14.015	252	250112	53.961	ng		98
83) Chrysene	14.092	228	718046	38.699	ng		99
84) Bis(2-ethylhexyl)phtha...	14.045	149	466640	45.102	ng		99
85) Di-n-octyl phthalate	14.662	149	874781	46.831	ng		97
87) Indeno(1,2,3-cd)pyrene	17.062	276	977143	41.956	ng		99
88) Benzo(b)fluoranthene	15.115	252	790611	38.990	ng		99
89) Benzo(k)fluoranthene	15.151	252	705674	38.028	ng		100
90) Benzo(a)pyrene	15.492	252	744294	40.961	ng		100
91) Dibenzo(a,h)anthracene	17.086	278	791409	41.131	ng		98
92) Benzo(g,h,i)perylene	17.521	276	776651	40.669	ng		97

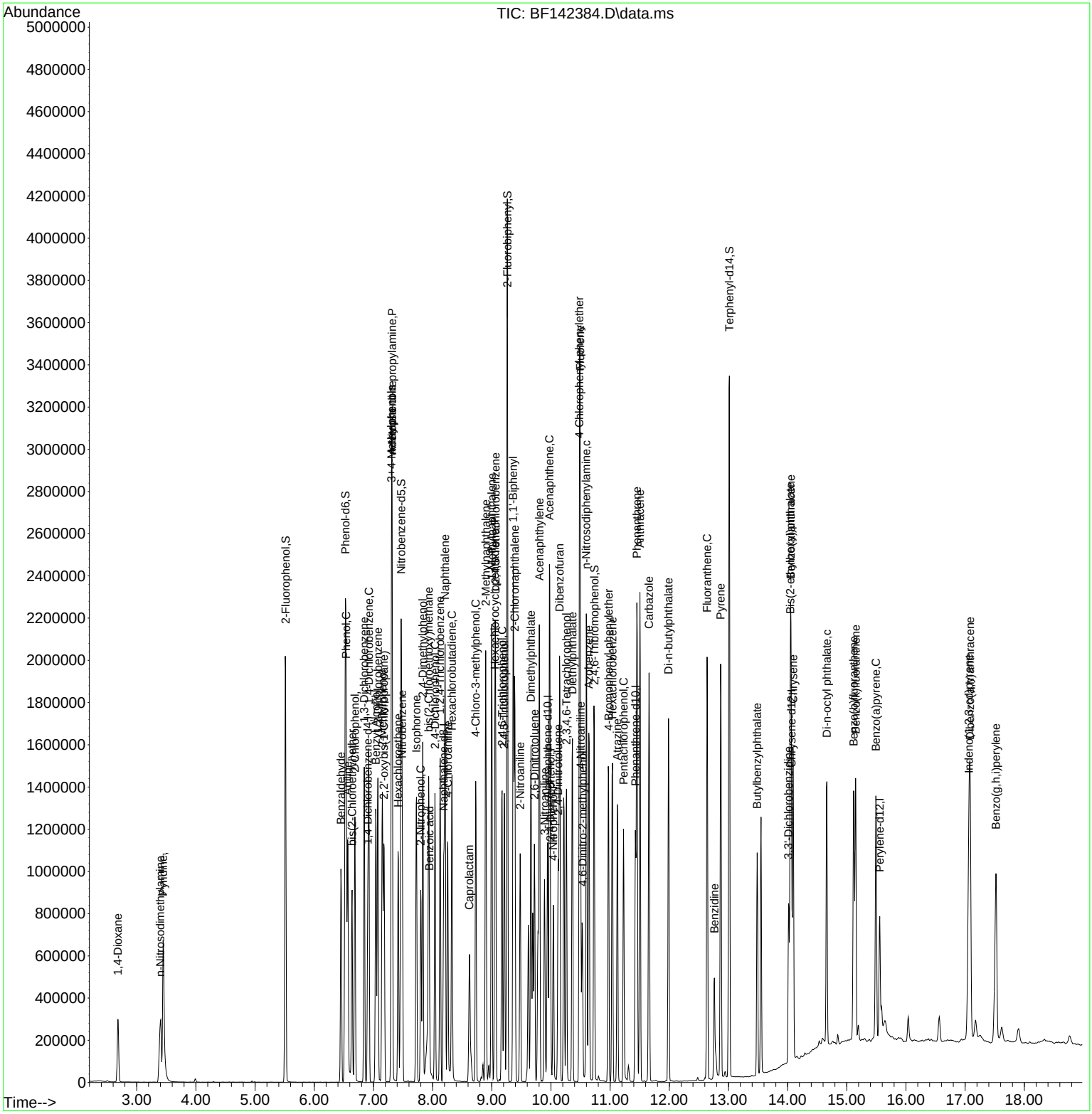
(#) = qualifier out of range (m) = manual integration (+) = signals summed

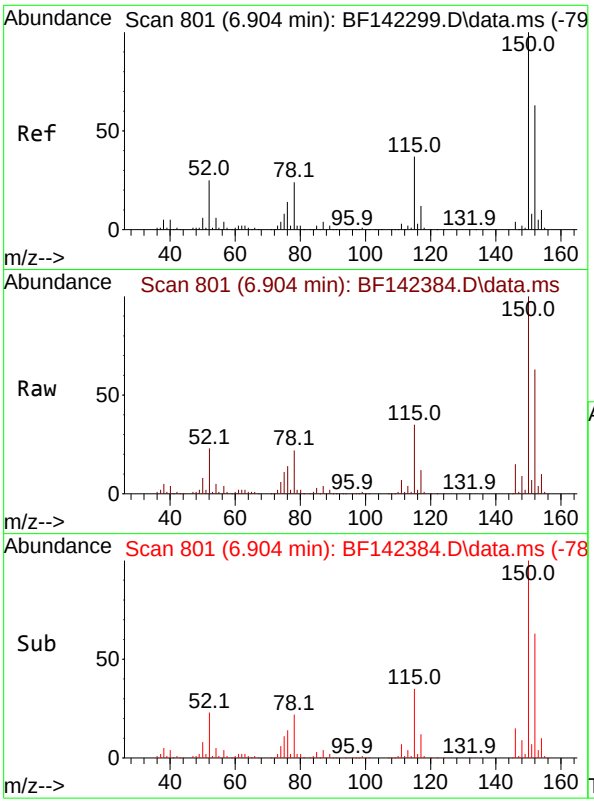
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142384.D
Acq On : 15 May 2025 10:08
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Quant Time: May 15 10:43:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration



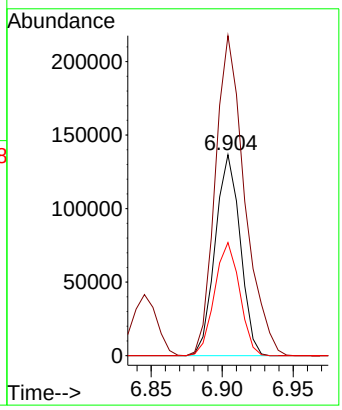


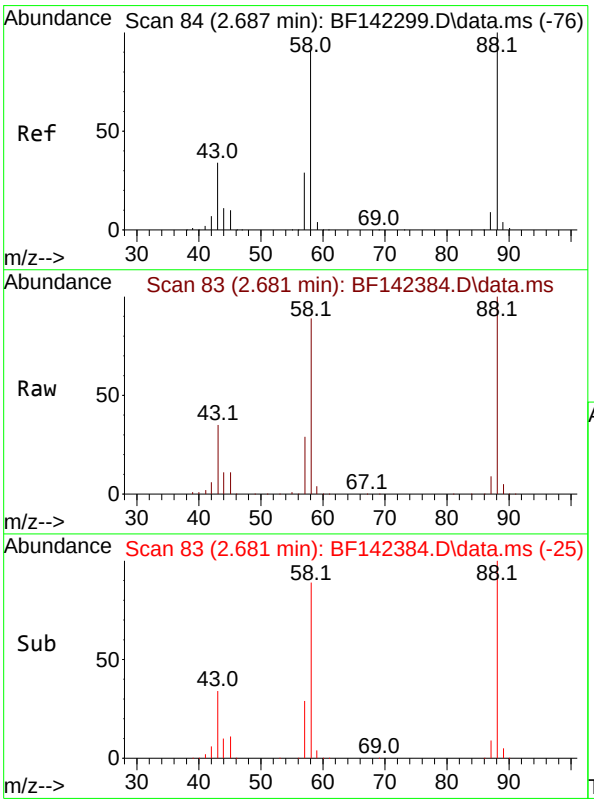
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 167469

Ion	Ratio	Lower	Upper
152	100		
150	159.2	126.6	190.0
115	56.3	47.3	70.9

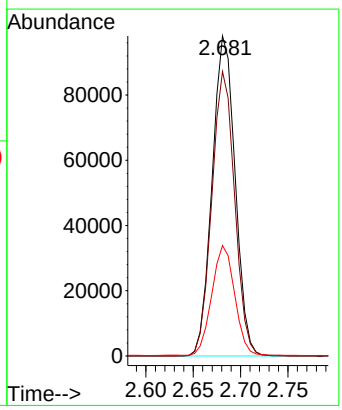


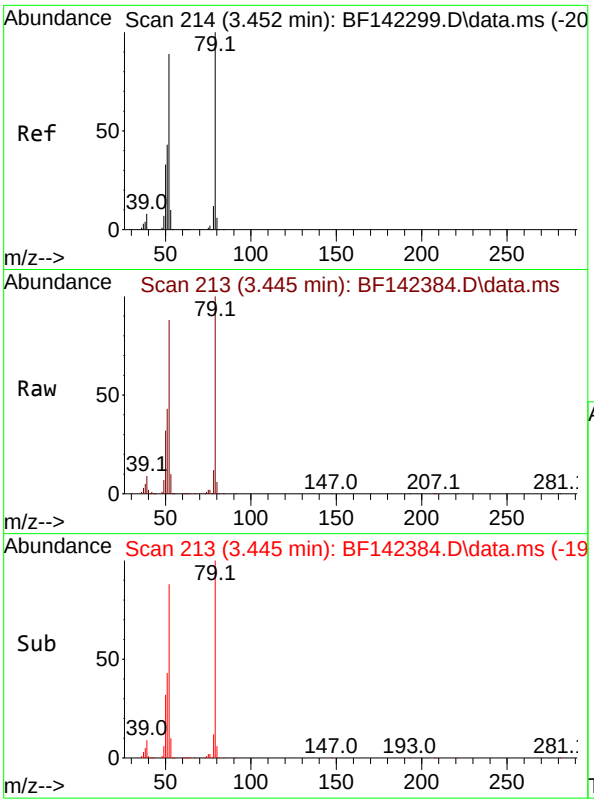


#2
1,4-Dioxane
Concen: 37.436 ng
RT: 2.681 min Scan# 83
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion: 88 Resp: 165382

Ion	Ratio	Lower	Upper
88	100		
58	88.3	73.0	109.4
43	34.2	27.8	41.6



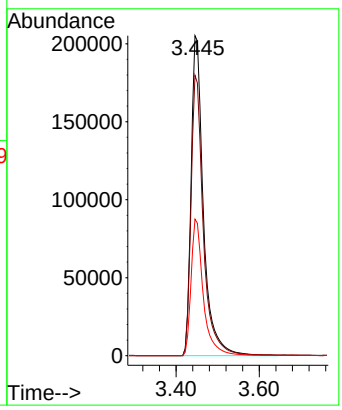


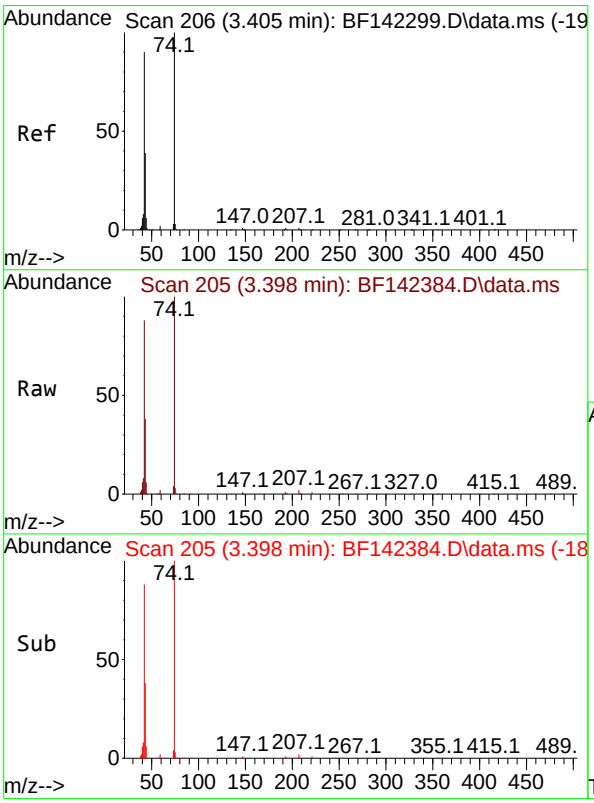
#3
Pyridine
Concen: 40.797 ng
RT: 3.445 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 423152

Ion	Ratio	Lower	Upper
79	100		
52	87.6	71.0	106.4
51	42.7	34.9	52.3

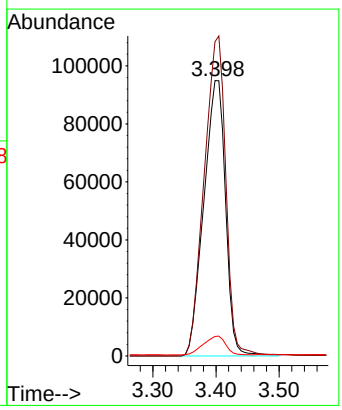


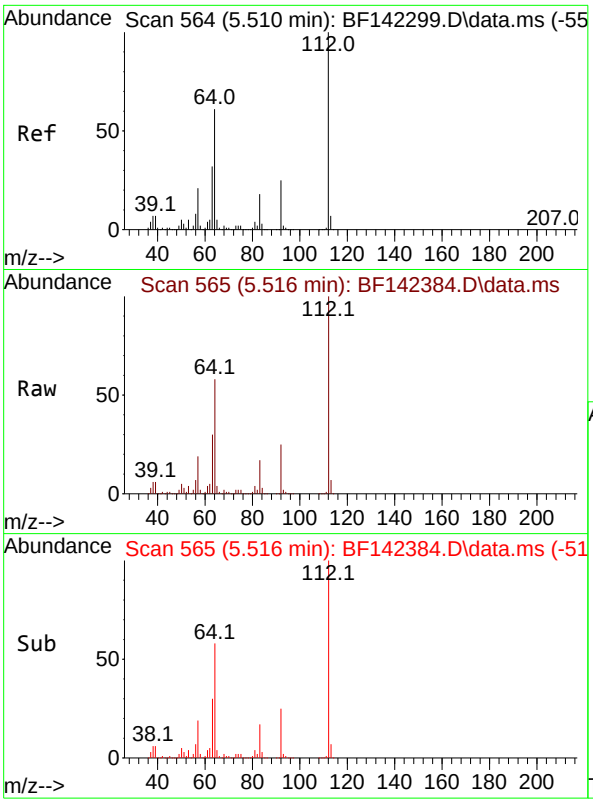


#4
n-Nitrosodimethylamine
Concen: 37.667 ng
RT: 3.398 min Scan# 205
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion: 42 Resp: 227064

Ion	Ratio	Lower	Upper
42	100		
74	114.1	88.5	132.7
44	7.1	5.8	8.8



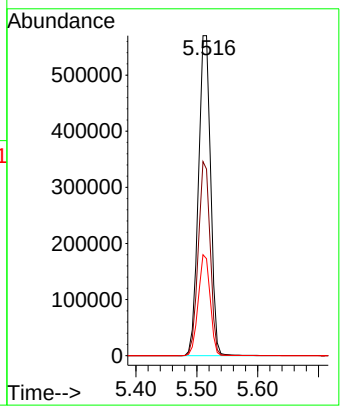


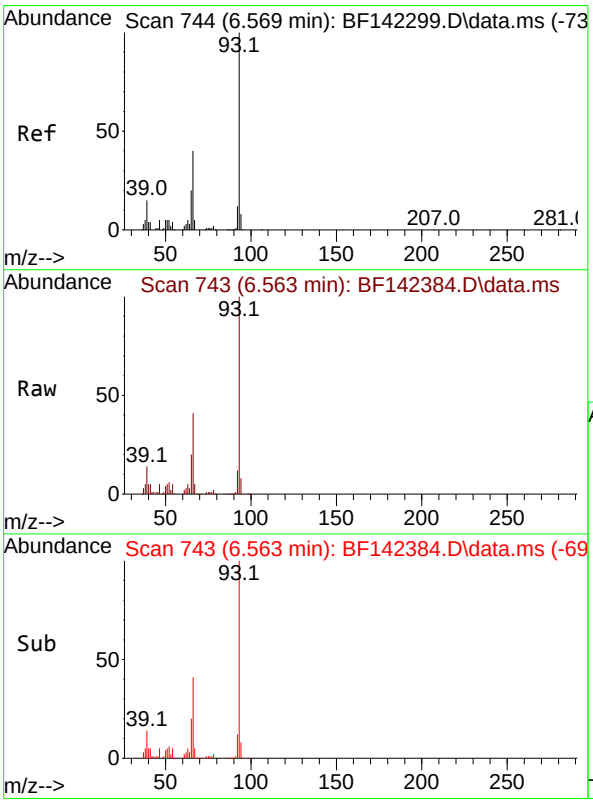
#5
2-Fluorophenol
Concen: 80.905 ng
RT: 5.516 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:112 Resp: 793699

Ion	Ratio	Lower	Upper
112	100		
64	58.3	48.9	73.3
63	30.3	25.6	38.4

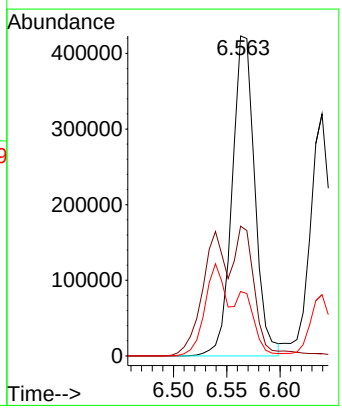


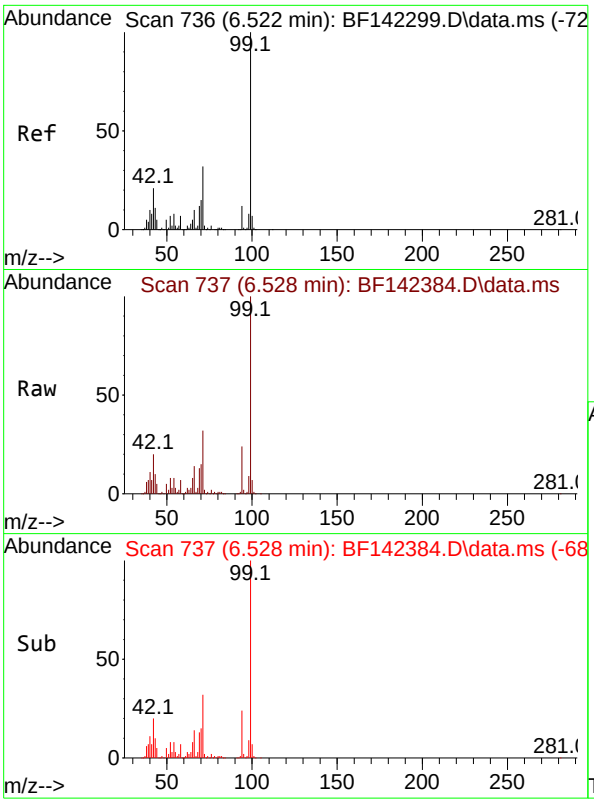


#6
Aniline
Concen: 53.049 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion: 93 Resp: 627828

Ion	Ratio	Lower	Upper
93	100		
66	40.5	32.2	48.4
65	20.1	16.3	24.5



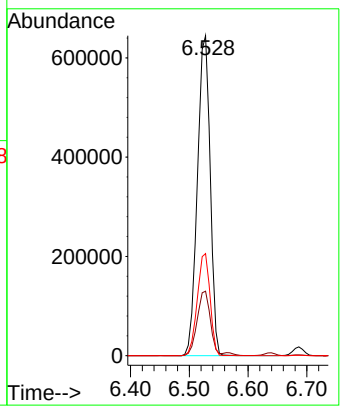


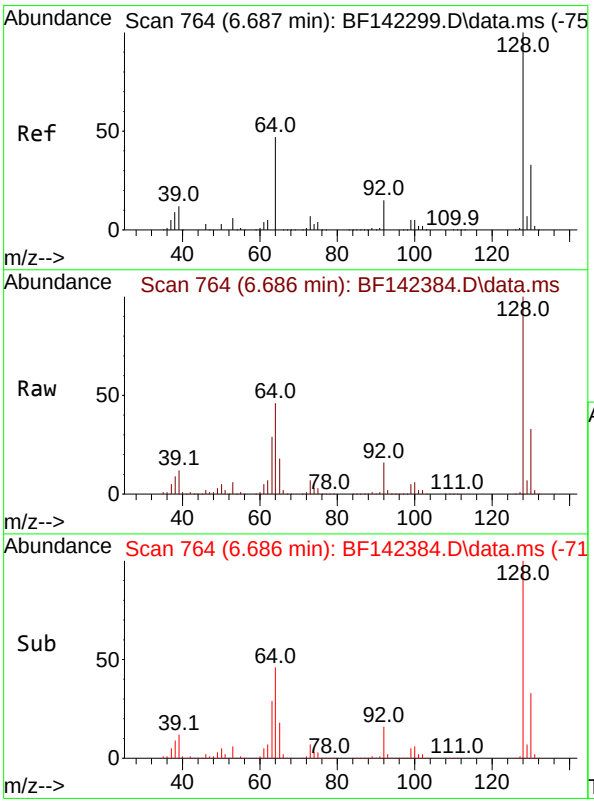
#7
Phenol-d6
Concen: 80.654 ng
RT: 6.528 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 99 Resp: 973163

Ion	Ratio	Lower	Upper
99	100		
42	20.1	17.0	25.4
71	31.9	25.8	38.8

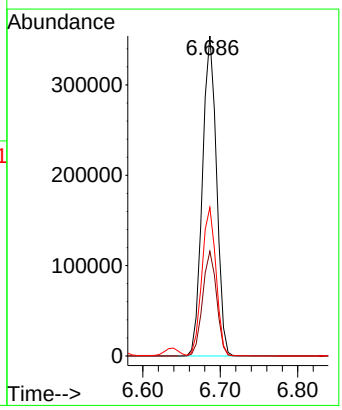


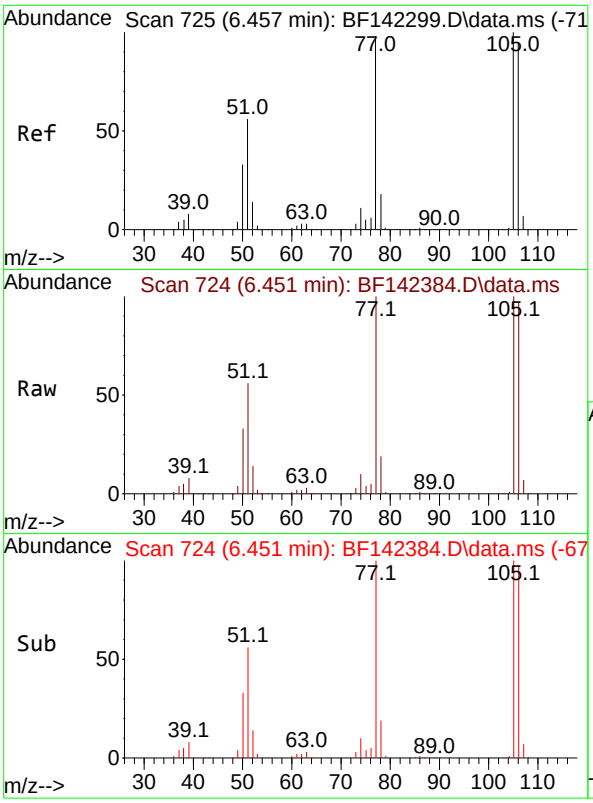


#8
2-Chlorophenol
Concen: 42.847 ng
RT: 6.686 min Scan# 764
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:128 Resp: 449181

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.7	52.7
64	46.4	29.2	69.2



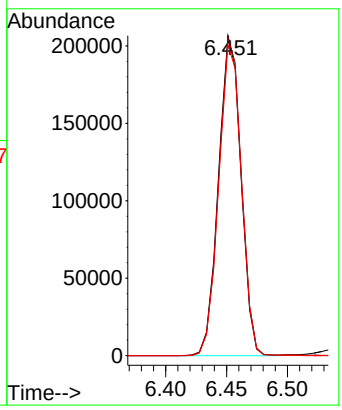


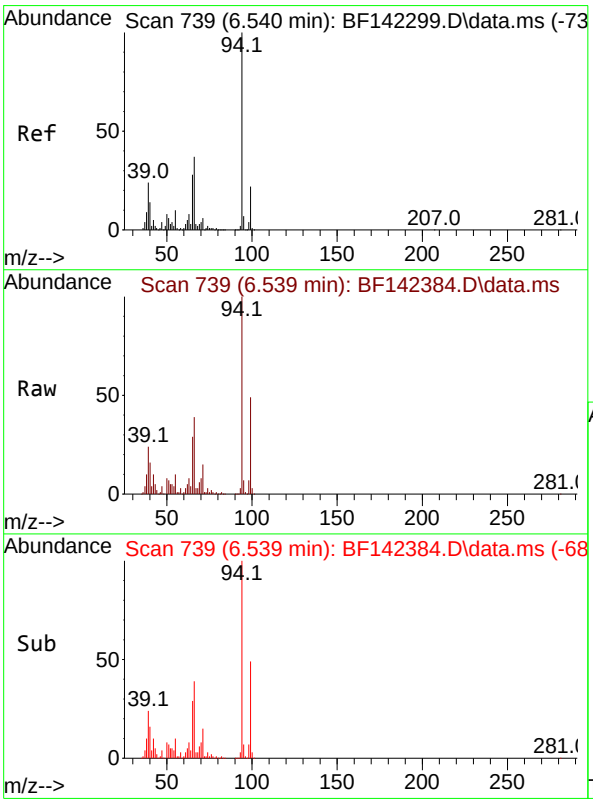
#9
Benzaldehyde
Concen: 37.477 ng
RT: 6.451 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 264659

Ion	Ratio	Lower	Upper
77	100		
105	99.6	82.0	122.0
106	97.1	77.2	117.2

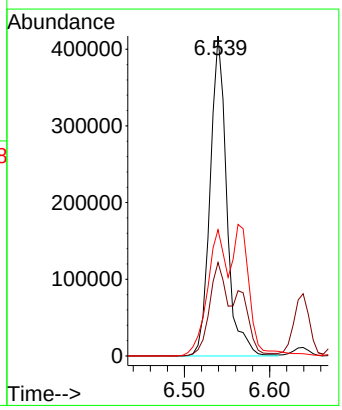


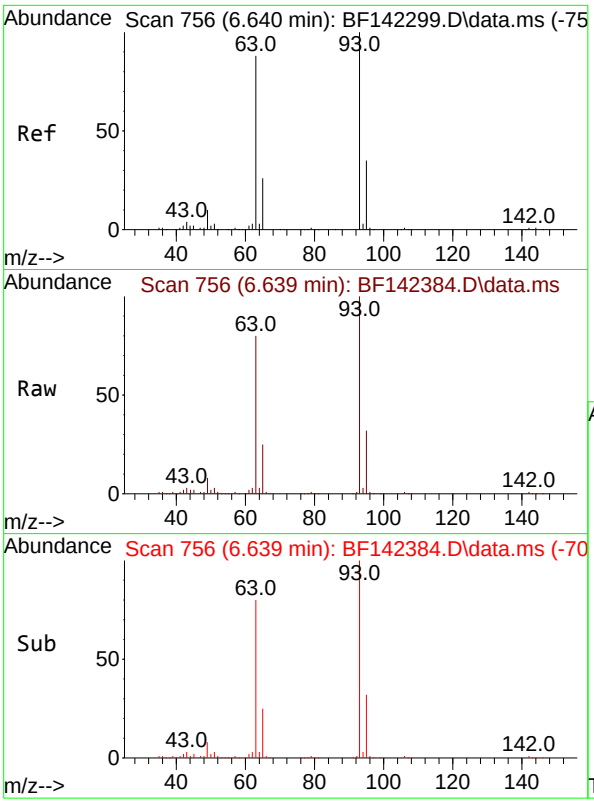


#10
Phenol
Concen: 44.171 ng
RT: 6.539 min Scan# 739
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion: 94 Resp: 564949

Ion	Ratio	Lower	Upper
94	100		
65	29.2	8.5	48.5
66	39.5	17.3	57.3



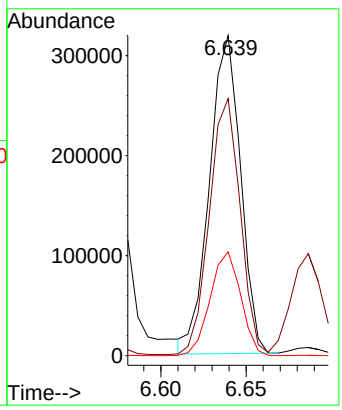


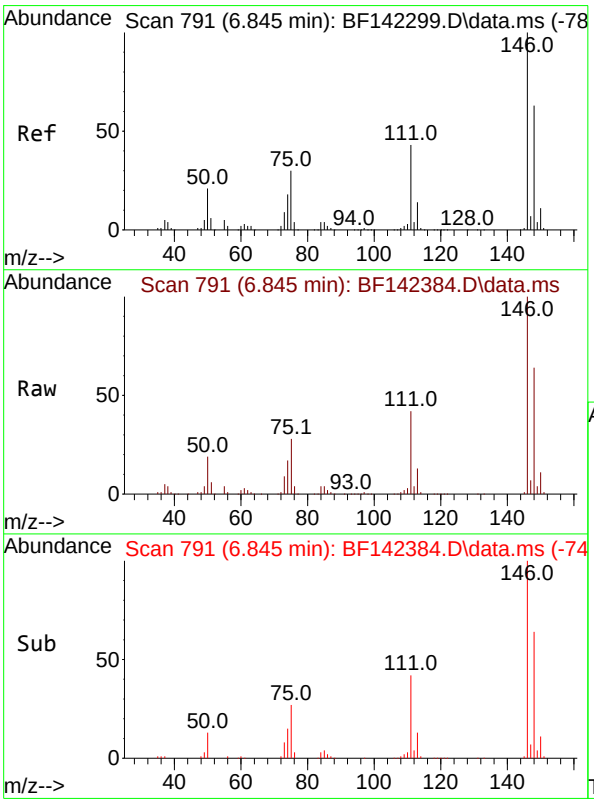
#11
bis(2-Chloroethyl)ether
Concen: 32.018 ng
RT: 6.639 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 93 Resp: 403831

Ion	Ratio	Lower	Upper
93	100		
63	80.3	58.4	98.4
95	32.5	10.6	50.6

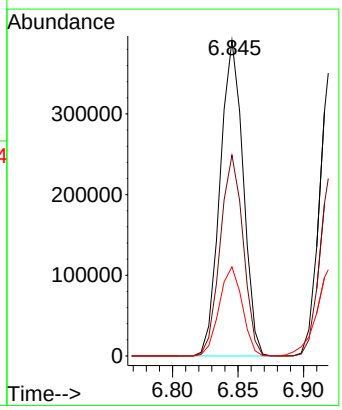


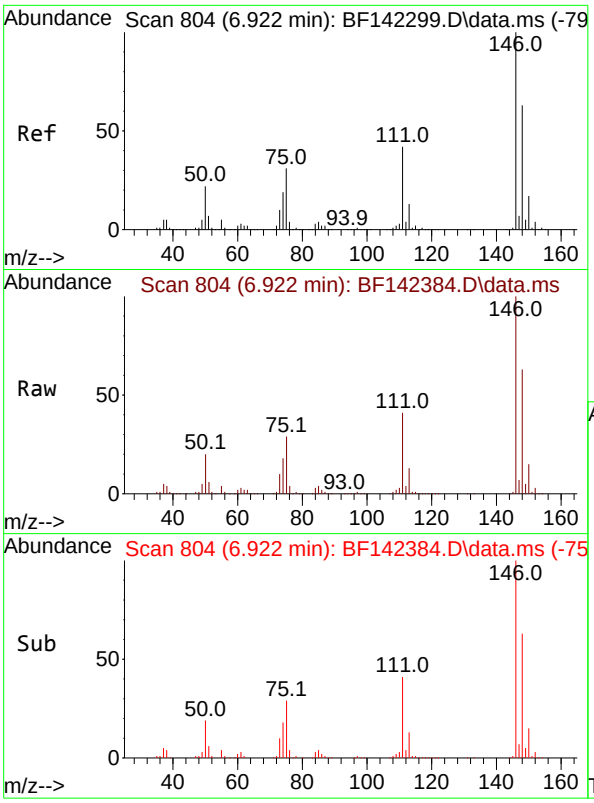


#12
1,3-Dichlorobenzene
Concen: 39.828 ng
RT: 6.845 min Scan# 791
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:146 Resp: 477678

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.6	76.0
75	28.2	24.2	36.4



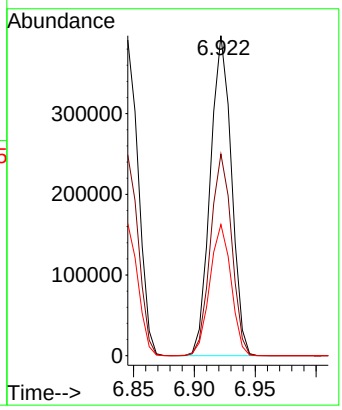


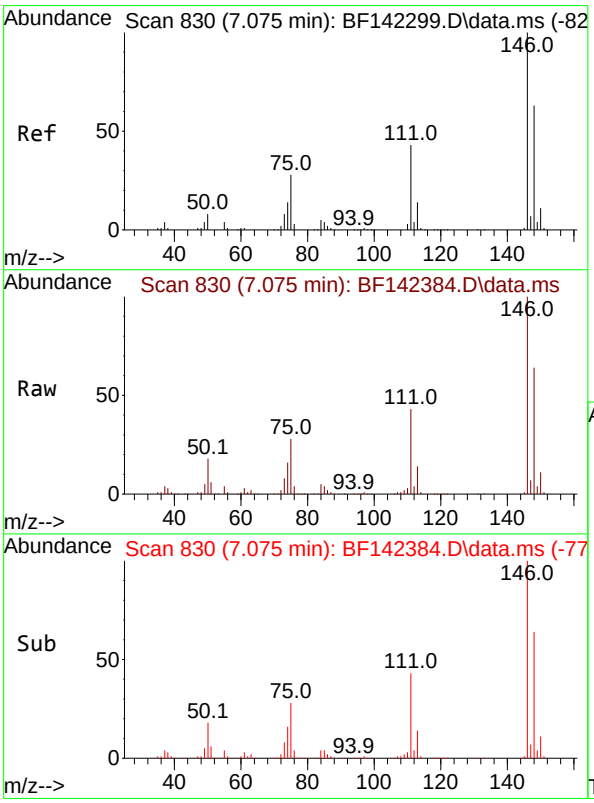
#13
1,4-Dichlorobenzene
Concen: 39.812 ng
RT: 6.922 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:146 Resp: 479424

Ion	Ratio	Lower	Upper
146	100		
148	63.0	50.5	75.7
111	41.0	33.4	50.2

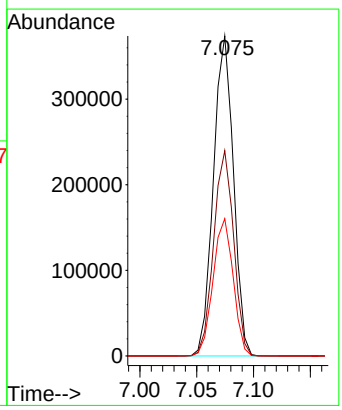


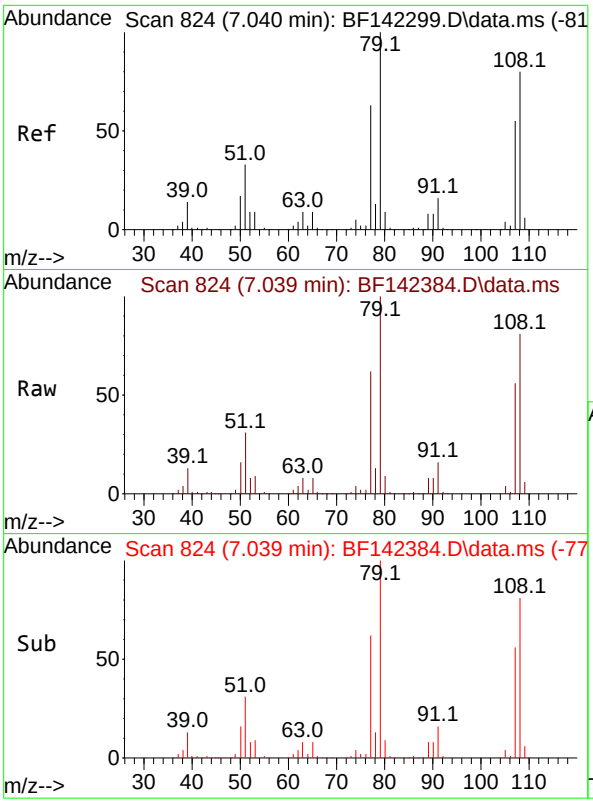


#14
1,2-Dichlorobenzene
Concen: 39.725 ng
RT: 7.075 min Scan# 830
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:146 Resp: 459174

Ion	Ratio	Lower	Upper
146	100		
148	64.1	50.3	75.5
111	42.9	34.5	51.7



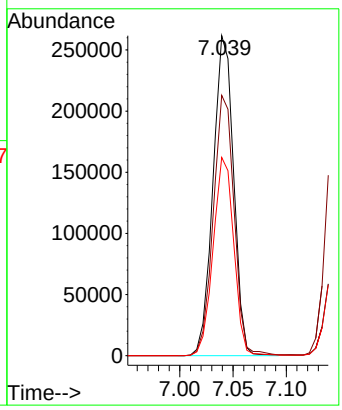


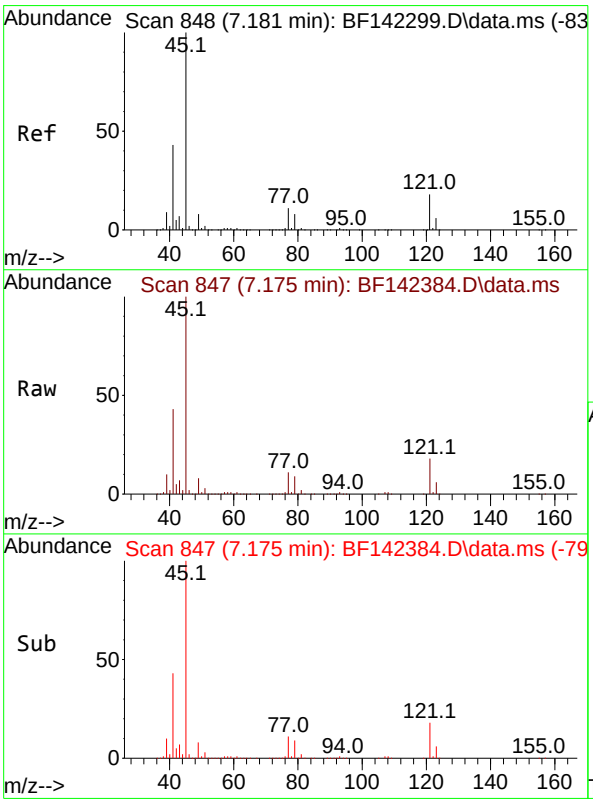
#15
Benzyl Alcohol
Concen: 44.898 ng
RT: 7.039 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 79 Resp: 350796

Ion	Ratio	Lower	Upper
79	100		
108	81.3	63.9	95.9
77	61.9	50.7	76.1

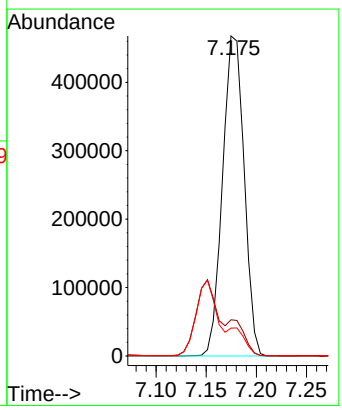


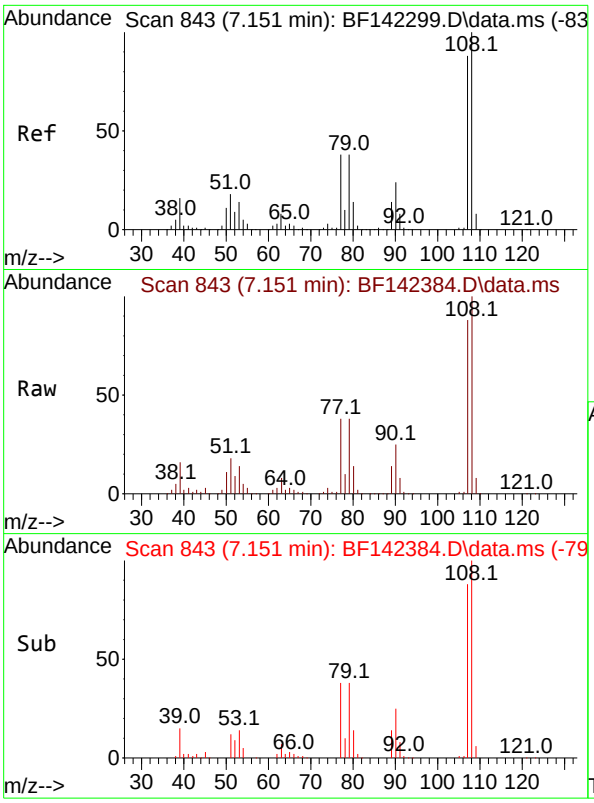


#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.159 ng
RT: 7.175 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion: 45 Resp: 699875

Ion	Ratio	Lower	Upper
45	100		
77	11.3	0.0	31.2
79	8.7	0.0	28.5



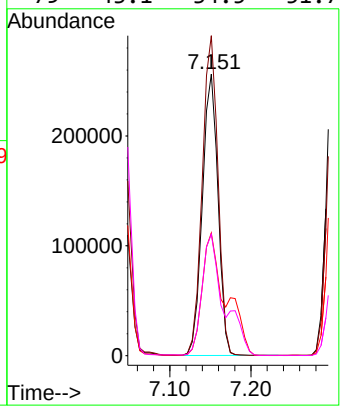


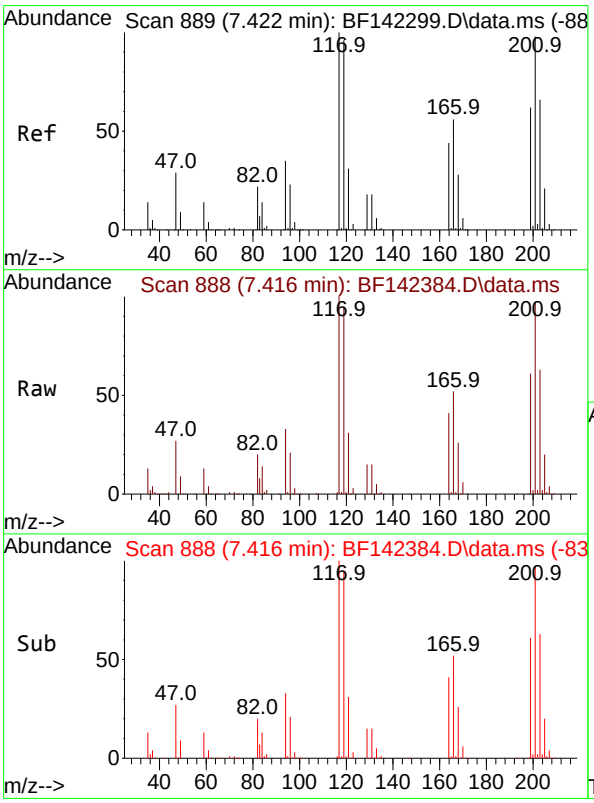
#17
2-Methylphenol
Concen: 40.240 ng
RT: 7.151 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:107 Resp: 341529

Ion	Ratio	Lower	Upper
107	100		
108	113.7	91.1	136.7
77	43.6	34.7	52.1
79	43.1	34.5	51.7

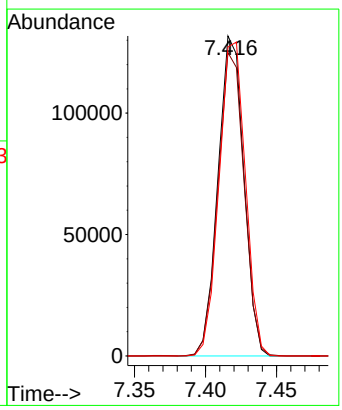


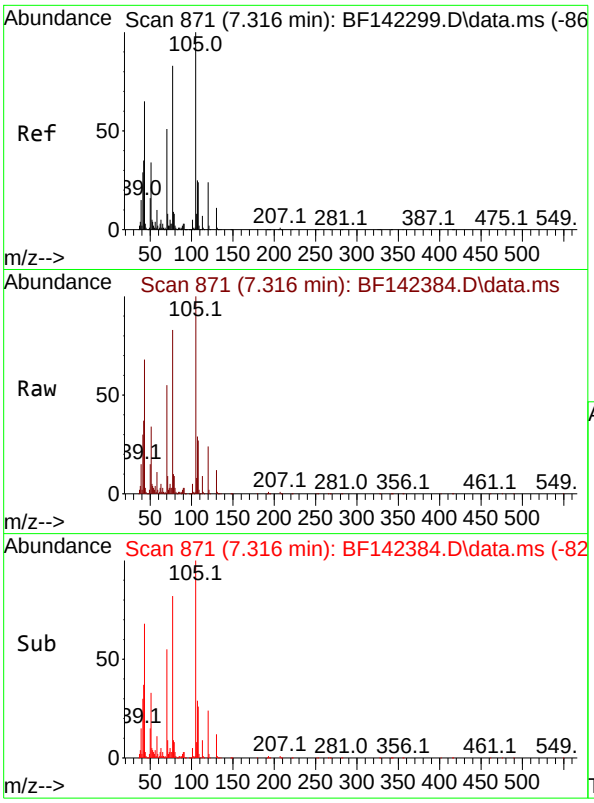


#18
Hexachloroethane
Concen: 41.602 ng
RT: 7.416 min Scan# 888
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:117 Resp: 166684

Ion	Ratio	Lower	Upper
117	100		
119	94.8	76.9	115.3
201	96.6	78.0	117.0



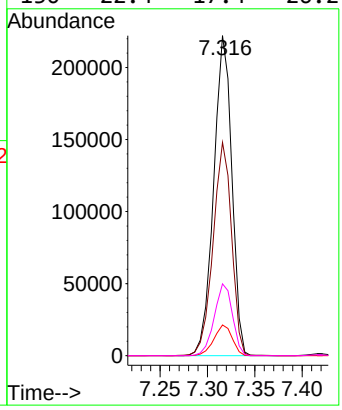


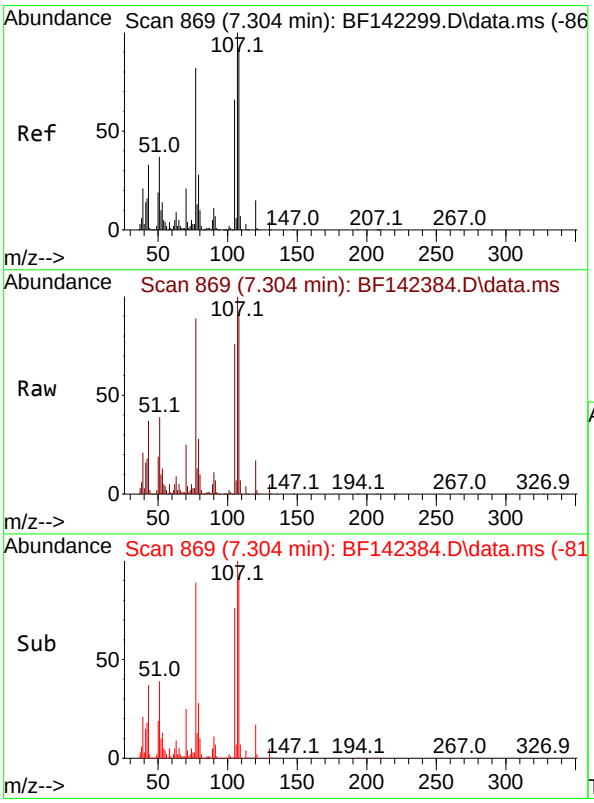
#19
n-Nitroso-di-n-propylamine
Concen: 39.827 ng
RT: 7.316 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 297251

Ion	Ratio	Lower	Upper
70	100		
42	66.6	54.8	82.2
101	9.6	7.7	11.5
130	22.4	17.4	26.2

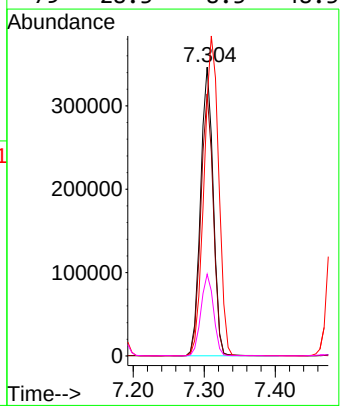


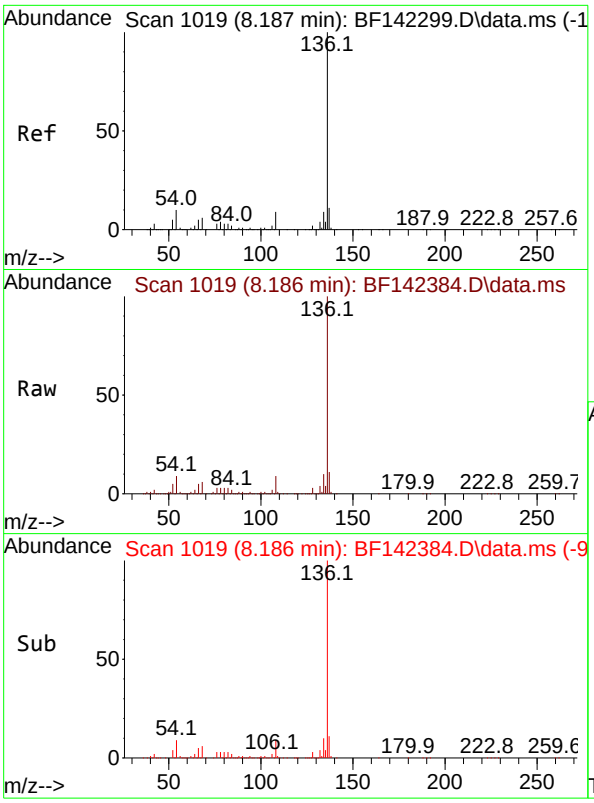


#20
3+4-Methylphenols
Concen: 40.498 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:107 Resp: 428978

Ion	Ratio	Lower	Upper
107	100		
108	90.7	71.5	111.5
77	88.9	61.6	101.6
79	28.3	8.3	48.3



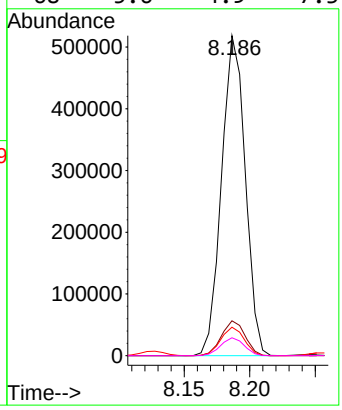


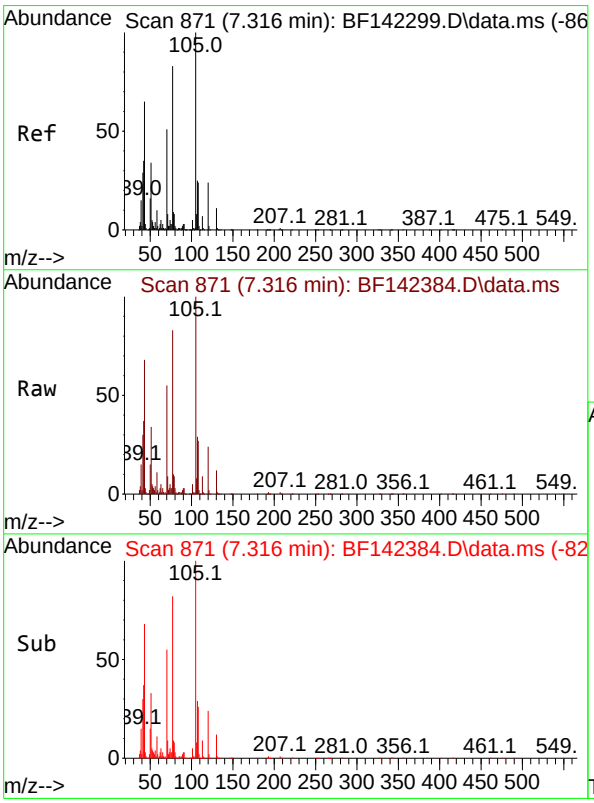
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:136 Resp: 652293

Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	8.9	7.7	11.5
68	5.6	4.9	7.3

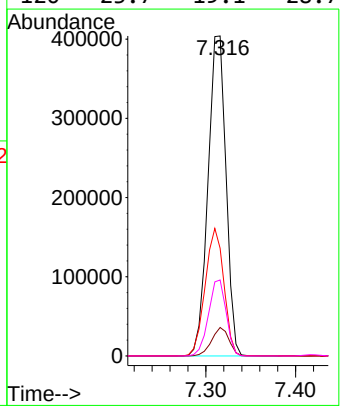


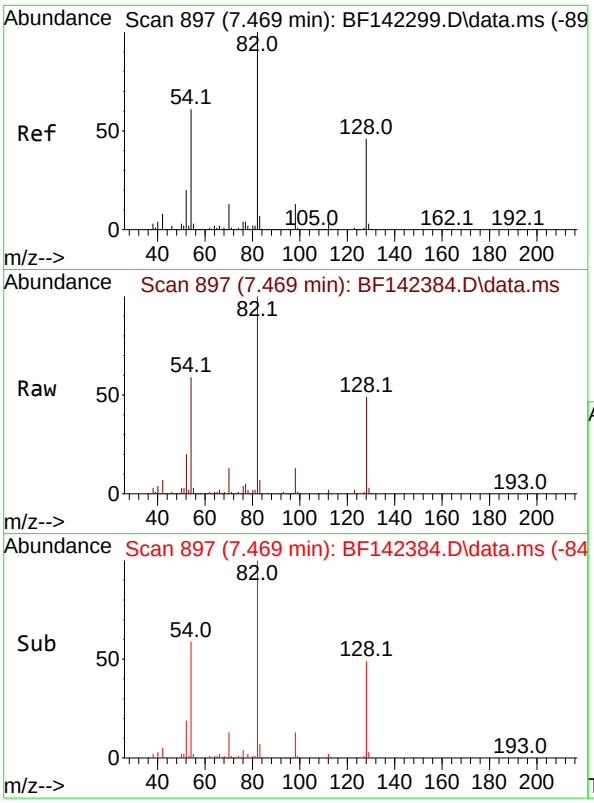


#22
Acetophenone
Concen: 38.876 ng
RT: 7.316 min Scan# 871
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:105 Resp: 563832

Ion	Ratio	Lower	Upper
105	100		
71	8.9	6.7	10.1
51	33.7	27.6	41.4
120	23.7	19.1	28.7



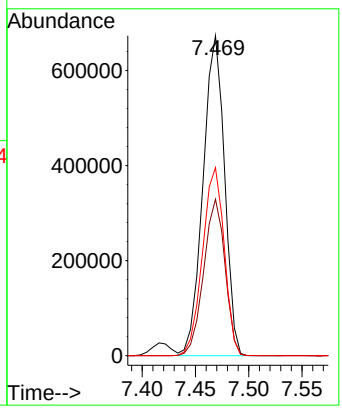


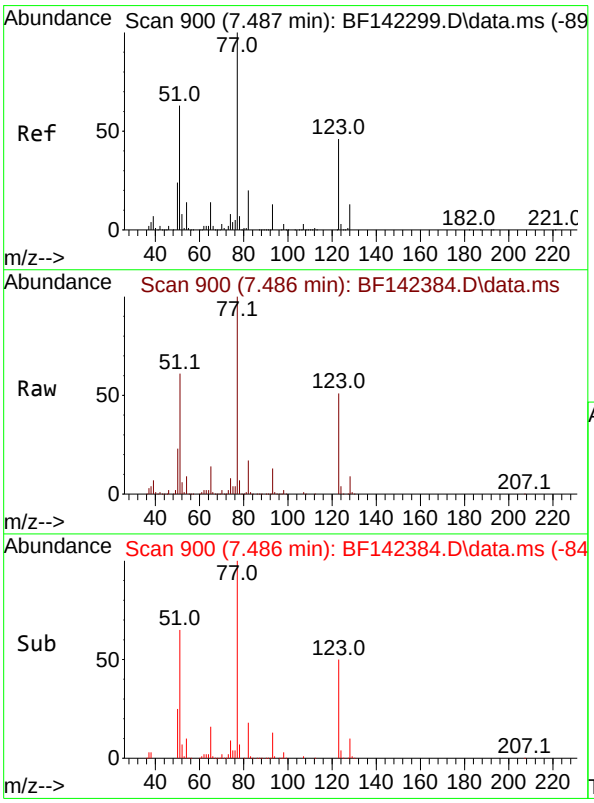
#23
Nitrobenzene-d5
Concen: 88.437 ng
RT: 7.469 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 945883

Ion	Ratio	Lower	Upper
82	100		
128	48.9	37.0	55.6
54	58.8	48.6	73.0

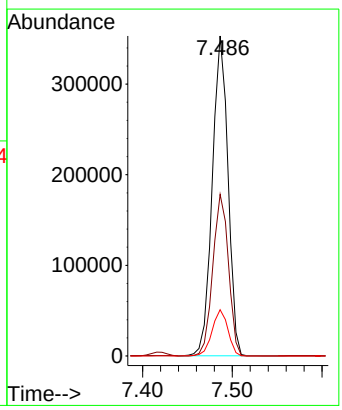


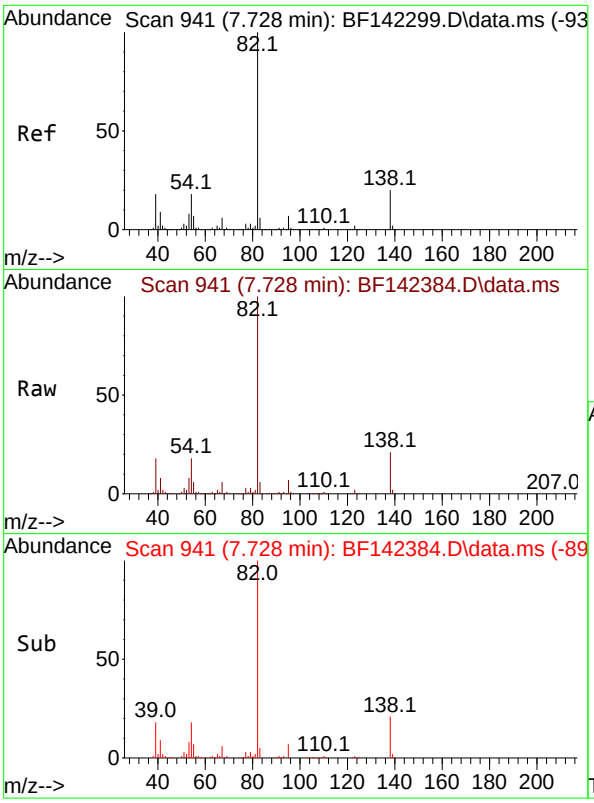


#24
Nitrobenzene
Concen: 42.519 ng
RT: 7.486 min Scan# 900
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion: 77 Resp: 428681

Ion	Ratio	Lower	Upper
77	100		
123	50.5	37.8	56.8
65	14.4	11.4	17.0



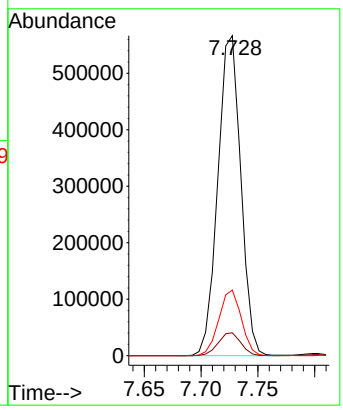


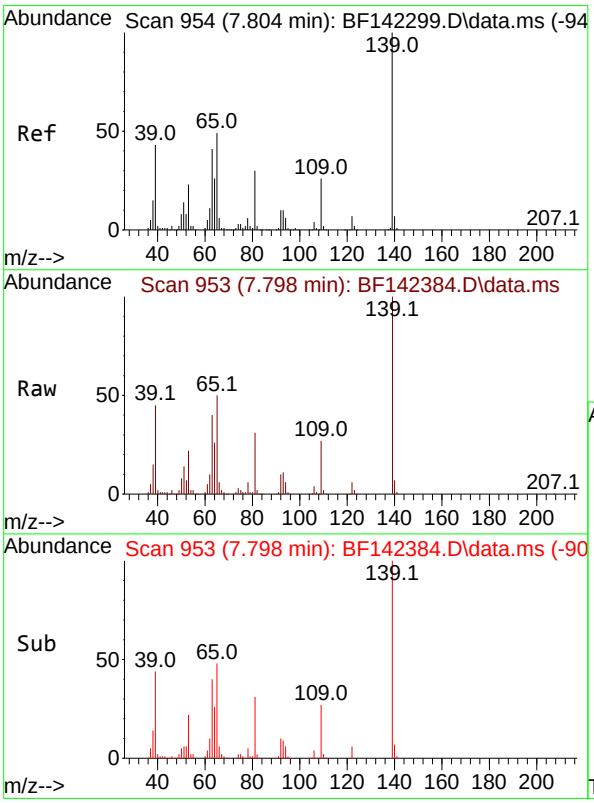
#25
Isophorone
Concen: 39.386 ng
RT: 7.728 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 82 Resp: 797707

Ion	Ratio	Lower	Upper
82	100		
95	7.2	5.8	8.8
138	20.5	16.1	24.1

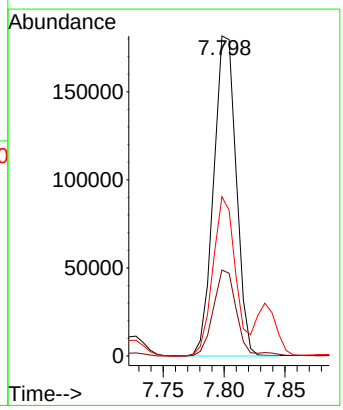


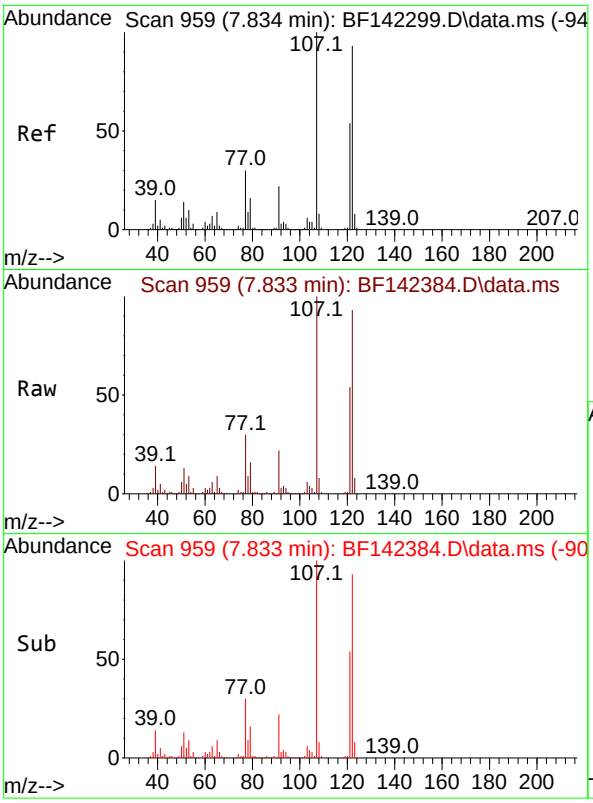


#26
2-Nitrophenol
Concen: 48.180 ng
RT: 7.798 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:139 Resp: 234213

Ion	Ratio	Lower	Upper
139	100		
109	26.8	20.8	31.2
65	49.7	38.9	58.3



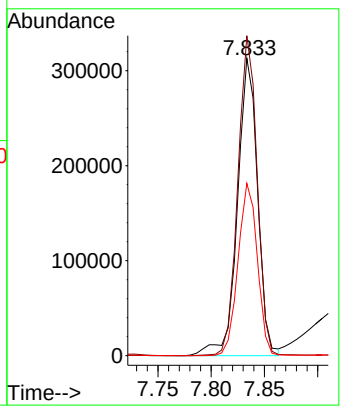


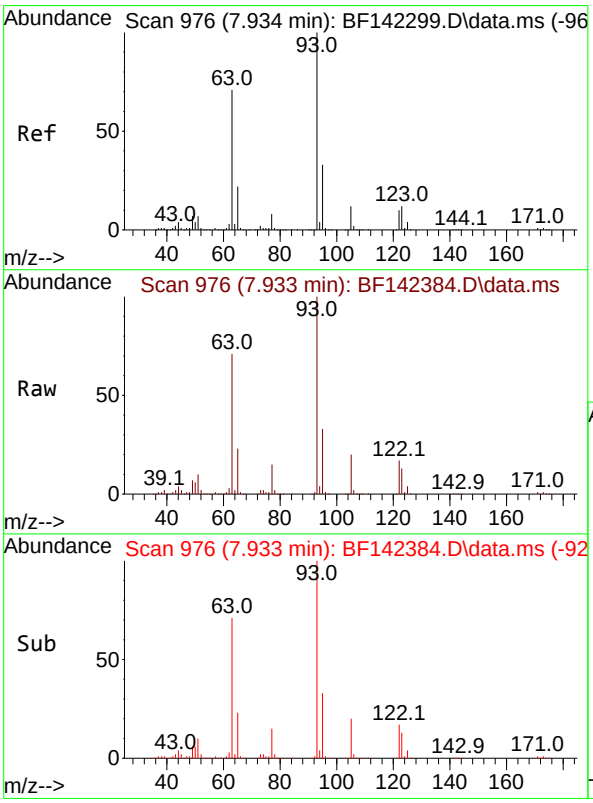
#27
2,4-Dimethylphenol
Concen: 40.579 ng
RT: 7.833 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:122 Resp: 413214

Ion	Ratio	Lower	Upper
122	100		
107	107.6	86.0	129.0
121	58.0	46.2	69.4

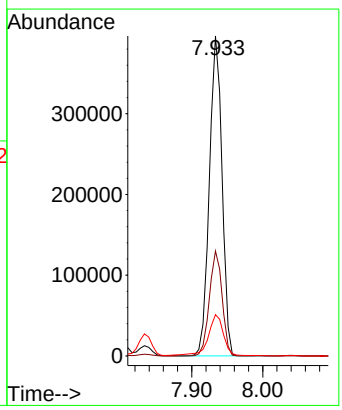


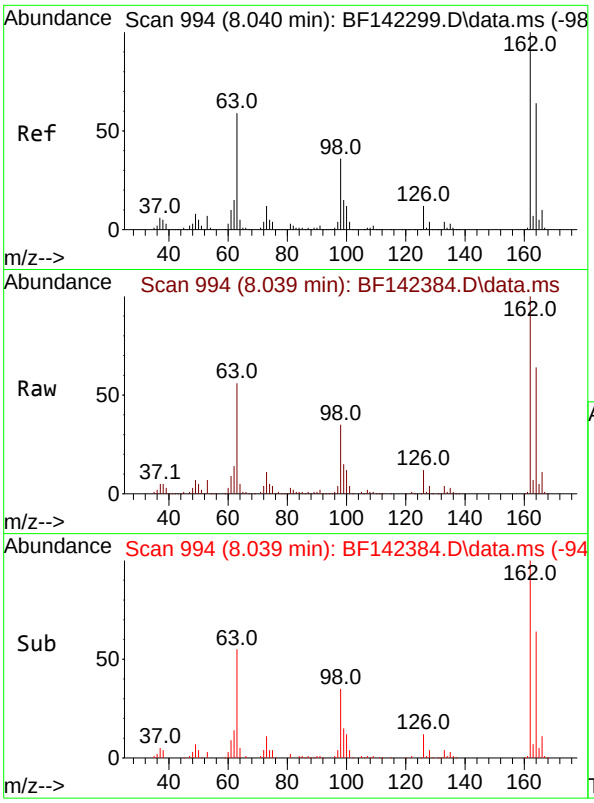


#28
bis(2-Chloroethoxy)methane
Concen: 37.765 ng
RT: 7.933 min Scan# 976
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion: 93 Resp: 491833

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.1	39.1
123	12.9	10.2	15.4



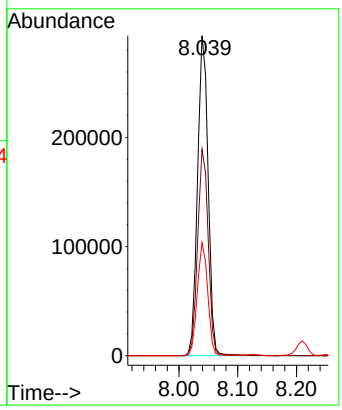


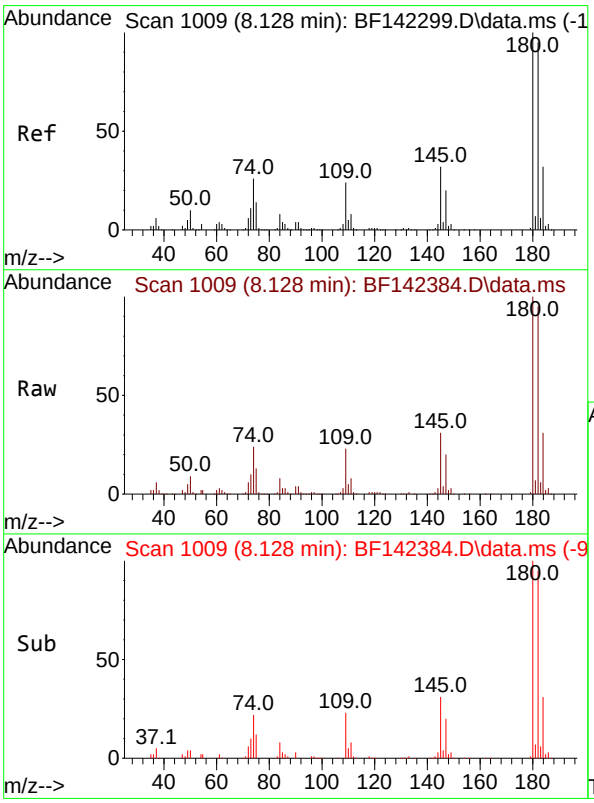
#29
2,4-Dichlorophenol
Concen: 42.484 ng
RT: 8.039 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 367794

Ion	Ratio	Lower	Upper
162	100		
164	64.5	43.6	83.6
98	35.3	16.5	56.5

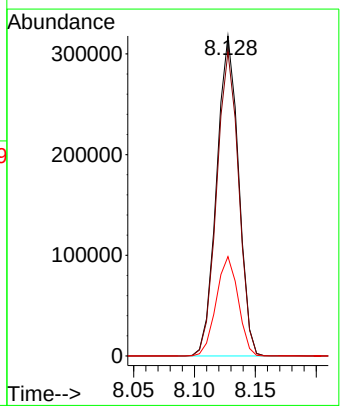


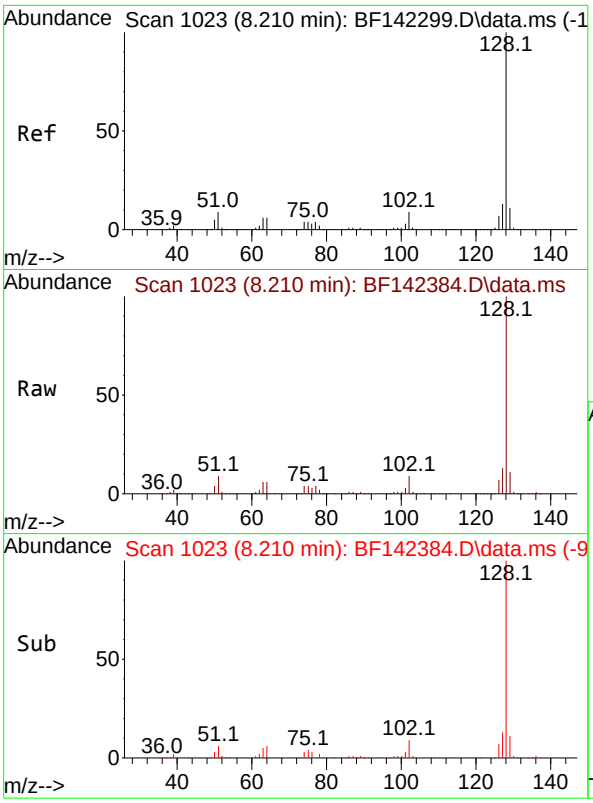


#30
1,2,4-Trichlorobenzene
Concen: 40.845 ng
RT: 8.128 min Scan# 1009
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:180 Resp: 397960

Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.2	114.4
145	31.1	25.8	38.6



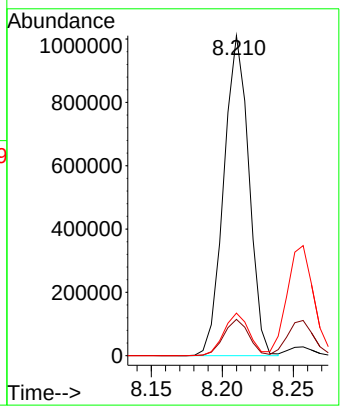


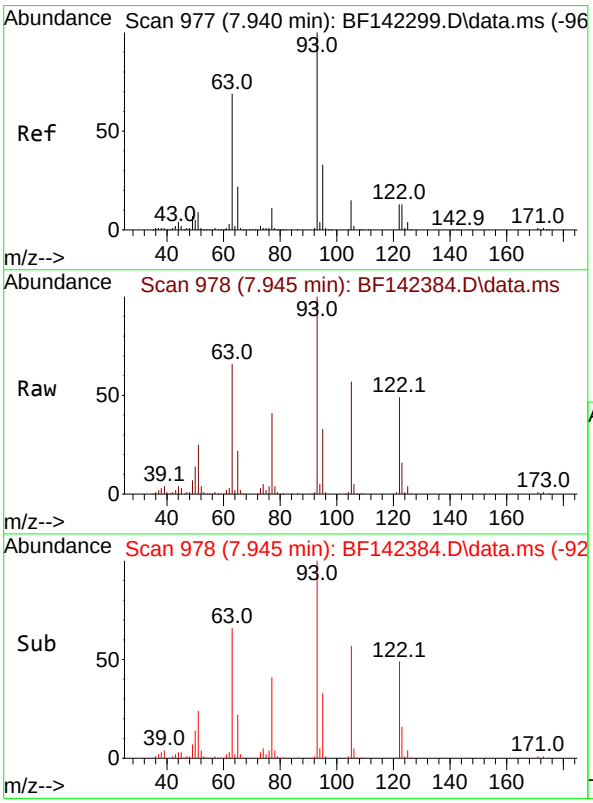
#31
Naphthalene
Concen: 39.273 ng
RT: 8.210 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:128 Resp: 1241567

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.1	13.7
127	13.3	10.5	15.7

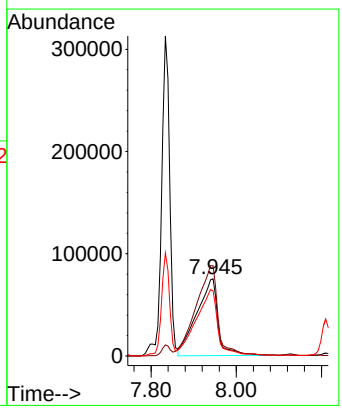


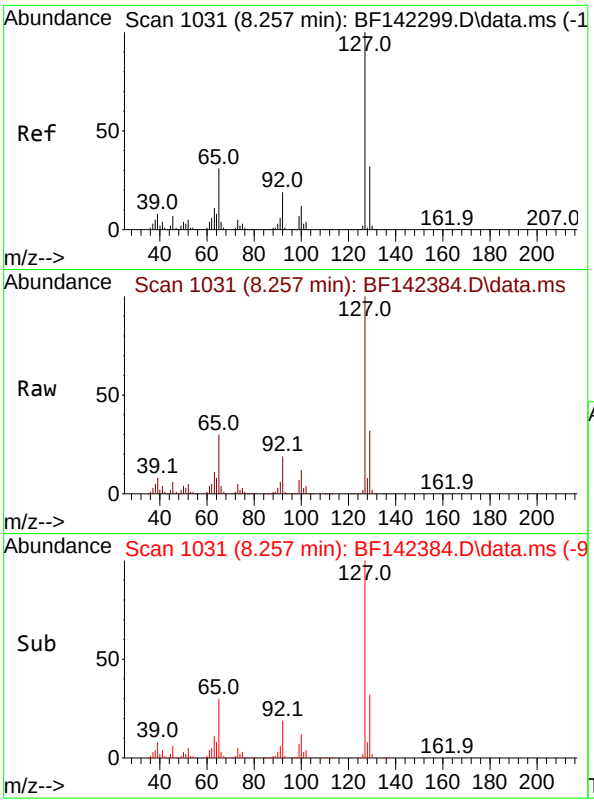


#32
Benzoic acid
Concen: 48.080 ng
RT: 7.945 min Scan# 978
Delta R.T. 0.005 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:122 Resp: 262715

Ion	Ratio	Lower	Upper
122	100		
105	117.0	97.9	137.9
77	84.4	67.7	107.7



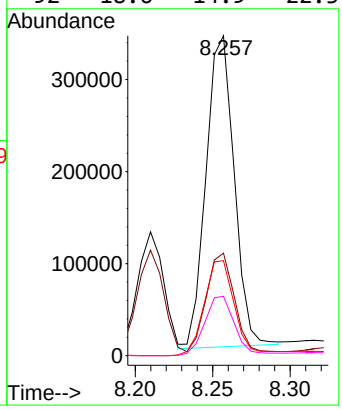


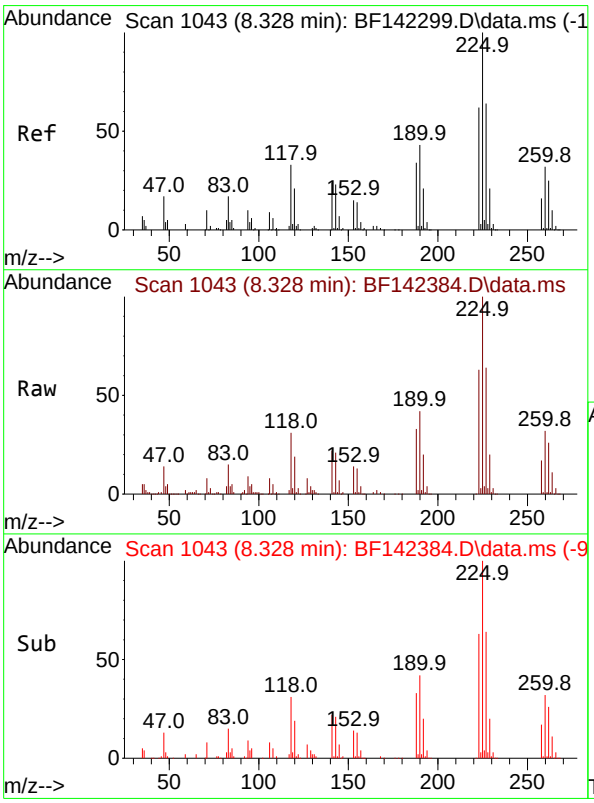
#33
4-Chloroaniline
Concen: 33.162 ng
RT: 8.257 min Scan# 1
Delta R.T. -0.010 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:127 Resp: 427785

Ion	Ratio	Lower	Upper
127	100		
129	32.0	25.7	38.5
65	29.7	24.9	37.3
92	18.6	14.9	22.3

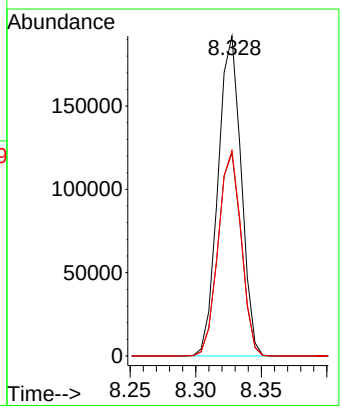


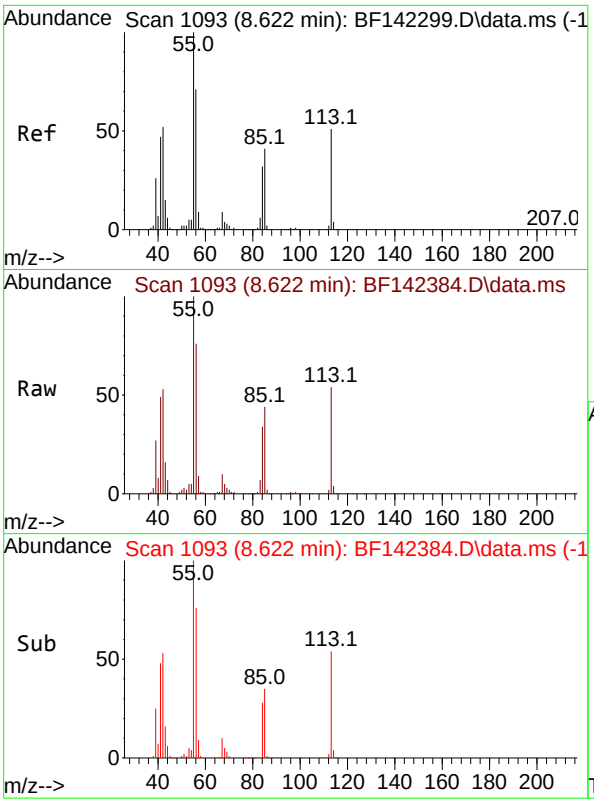


#34
Hexachlorobutadiene
Concen: 40.762 ng
RT: 8.328 min Scan# 1043
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:225 Resp: 235169

Ion	Ratio	Lower	Upper
225	100		
223	63.4	49.8	74.6
227	64.2	50.9	76.3



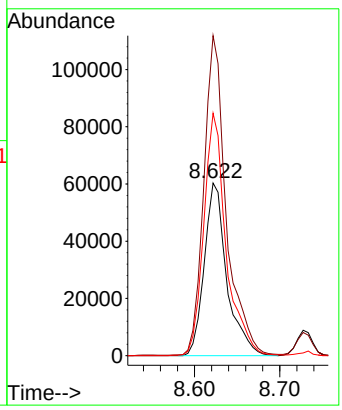


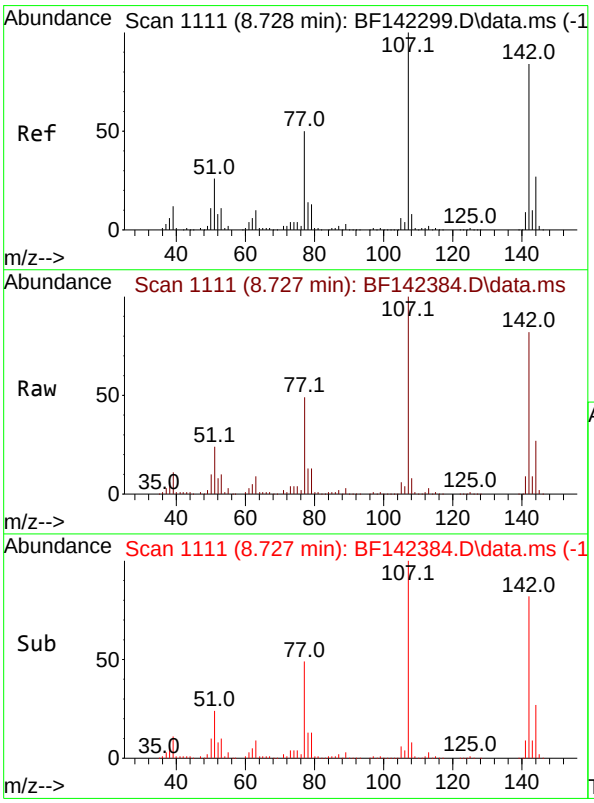
#35
Caprolactam
Concen: 43.955 ng
RT: 8.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:113 Resp: 110904

Ion	Ratio	Lower	Upper
113	100		
55	185.4	176.4	216.4
56	140.4	120.3	160.3

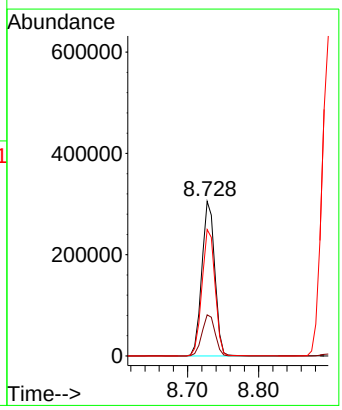


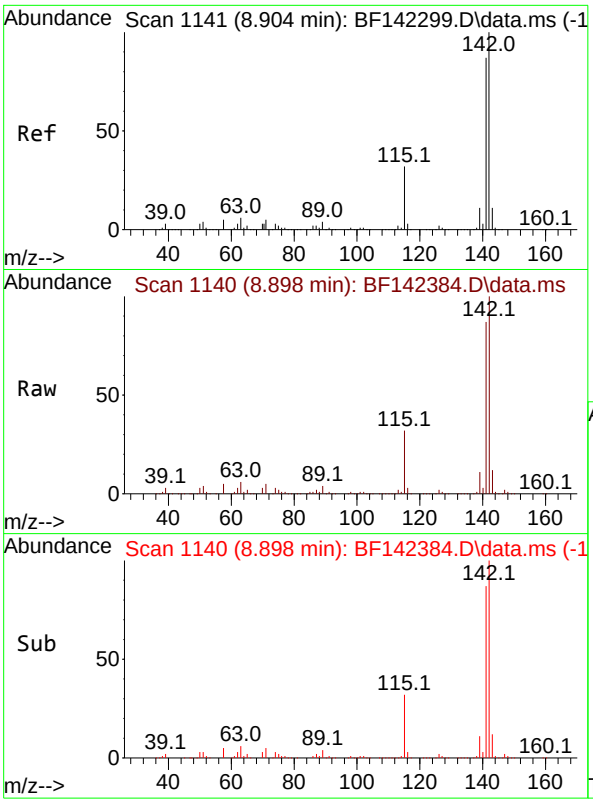


#36
4-Chloro-3-methylphenol
Concen: 43.207 ng
RT: 8.727 min Scan# 1111
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:107 Resp: 388839

Ion	Ratio	Lower	Upper
107	100		
144	26.6	21.3	31.9
142	81.8	66.9	100.3



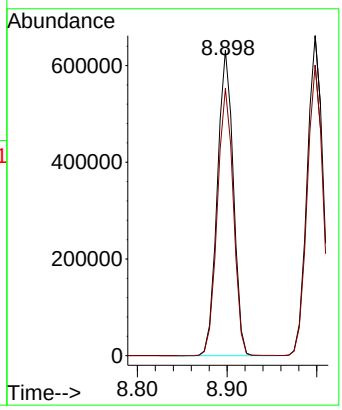


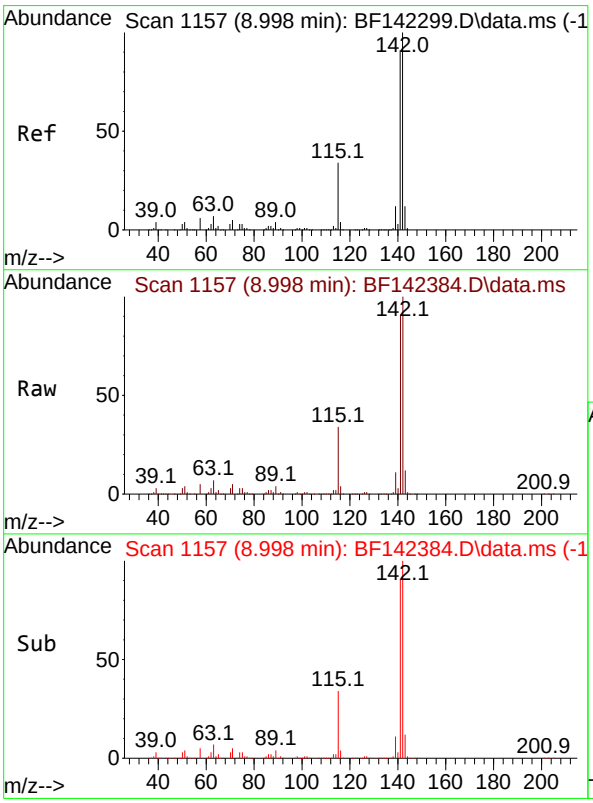
#37
2-Methylnaphthalene
Concen: 39.695 ng
RT: 8.898 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:142 Resp: 779778

Ion	Ratio	Lower	Upper
142	100		
141	87.5	69.4	104.2

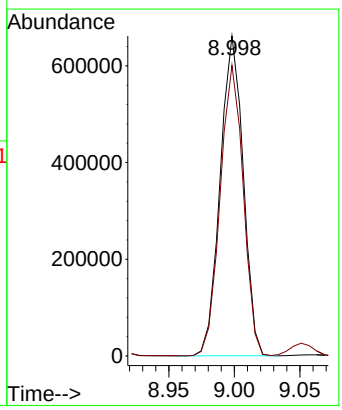


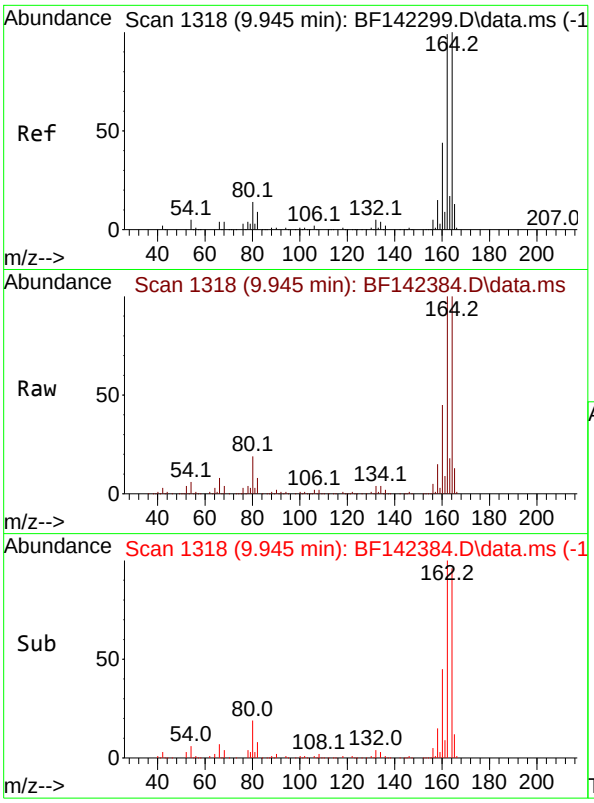


#38
1-Methylnaphthalene
Concen: 39.461 ng
RT: 8.998 min Scan# 1157
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:142 Resp: 807941

Ion	Ratio	Lower	Upper
142	100		
141	90.8	72.5	108.7



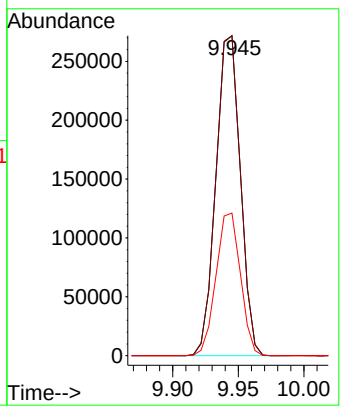


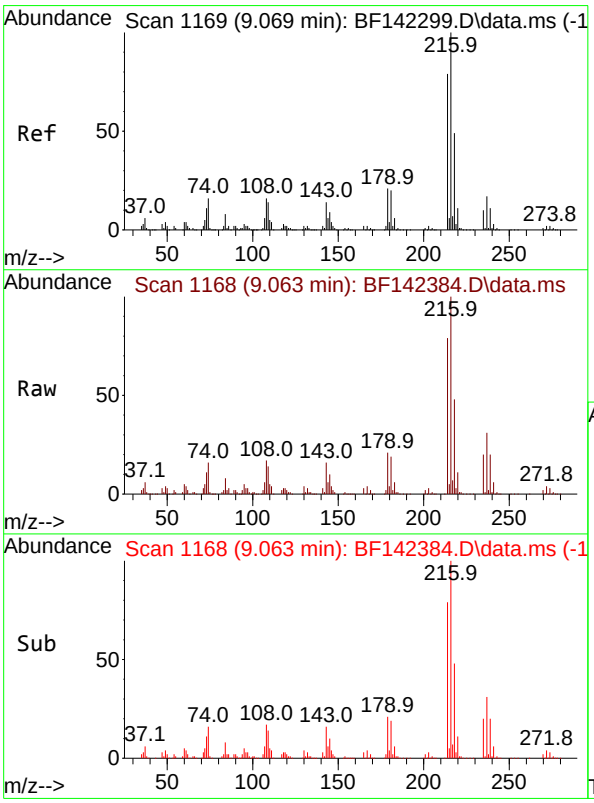
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:164 Resp: 352544

Ion	Ratio	Lower	Upper
164	100		
162	100.0	79.2	118.8
160	44.6	35.3	52.9

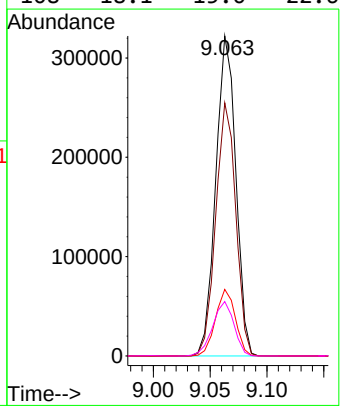


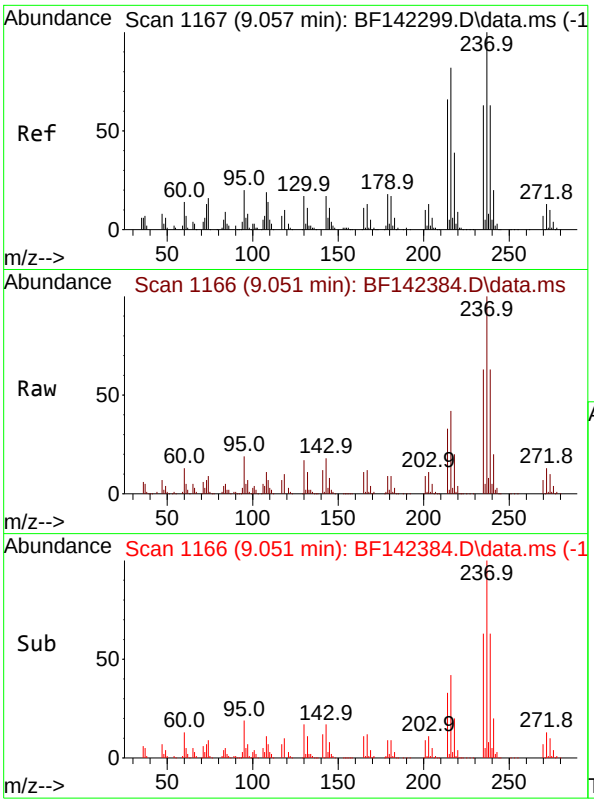


#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.244 ng
RT: 9.063 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:216 Resp: 396248

Ion	Ratio	Lower	Upper
216	100		
214	78.8	63.8	95.6
179	20.6	17.0	25.6
108	18.1	15.0	22.6



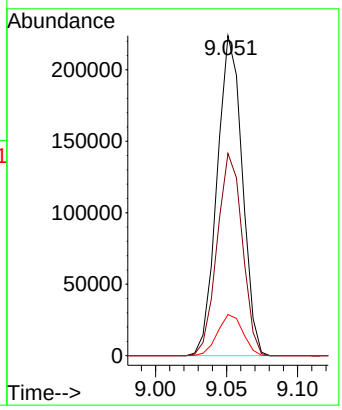


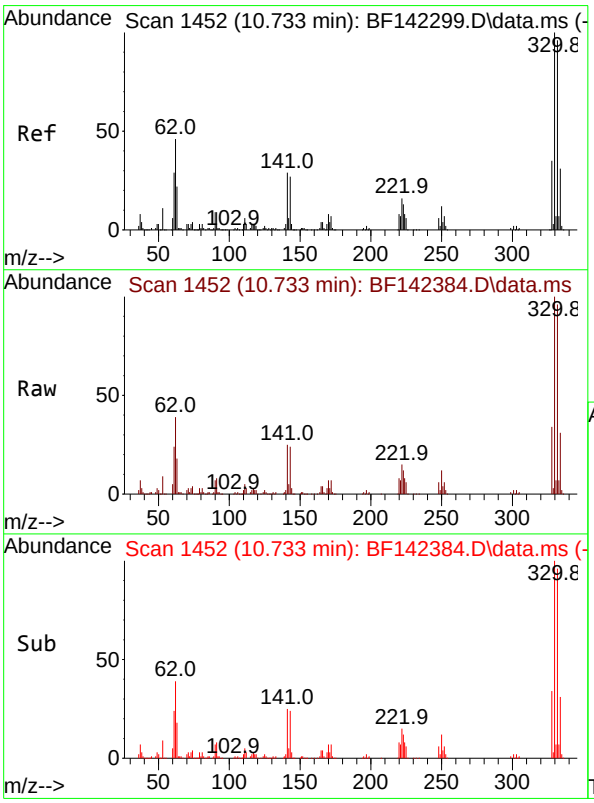
#41
Hexachlorocyclopentadiene
Concen: 45.288 ng
RT: 9.051 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:237 Resp: 275586

Ion	Ratio	Lower	Upper
237	100		
235	63.2	42.8	82.8
272	12.9	0.0	33.0

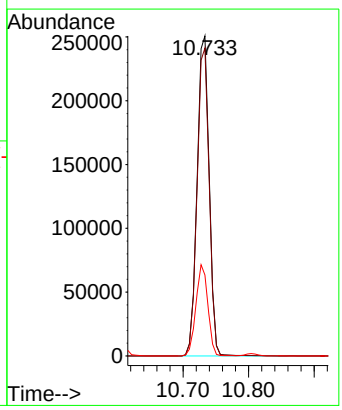


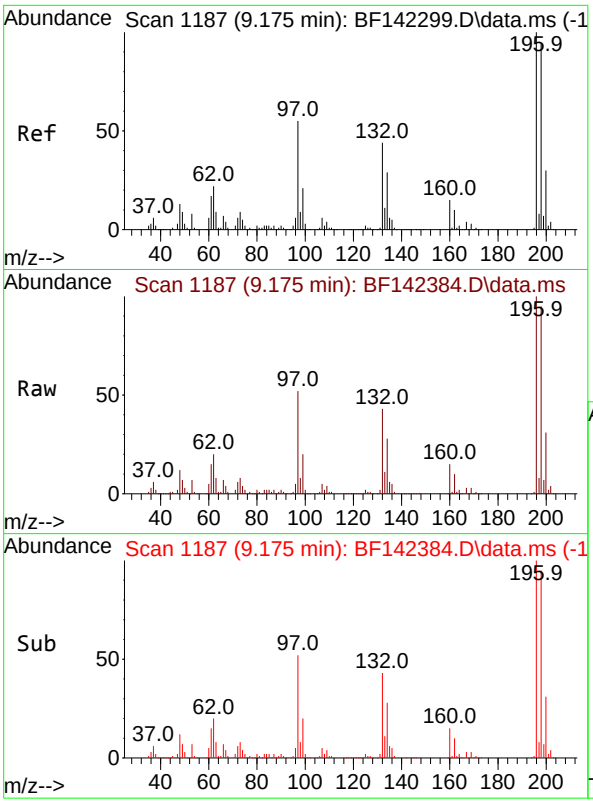


#42
2,4,6-Tribromophenol
Concen: 94.468 ng
RT: 10.733 min Scan# 1452
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:330 Resp: 321545

Ion	Ratio	Lower	Upper
330	100		
332	96.4	76.8	115.2
141	28.3	24.9	37.3



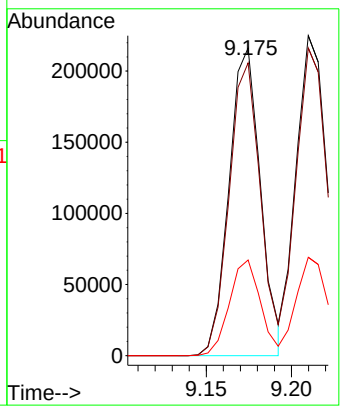


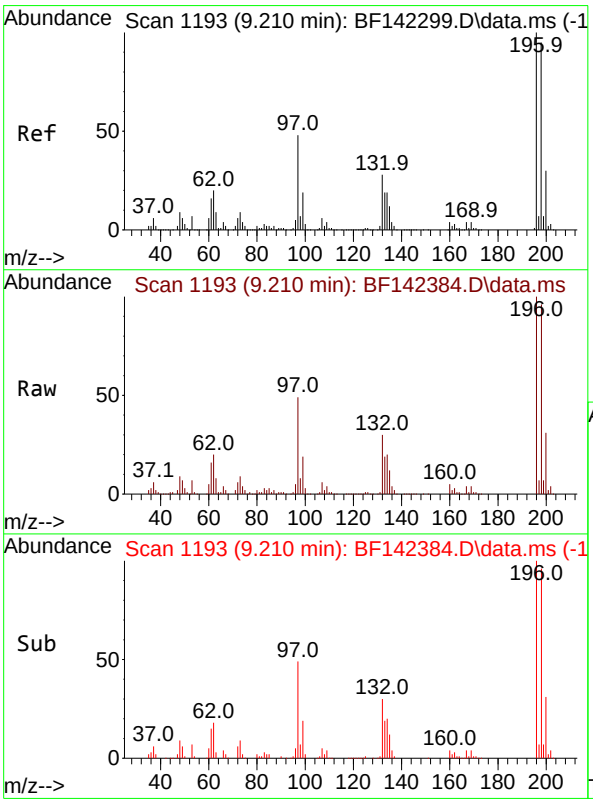
#43
2,4,6-Trichlorophenol
Concen: 44.660 ng
RT: 9.175 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 277366

Ion	Ratio	Lower	Upper
196	100		
198	95.2	75.4	113.0
200	31.1	24.3	36.5

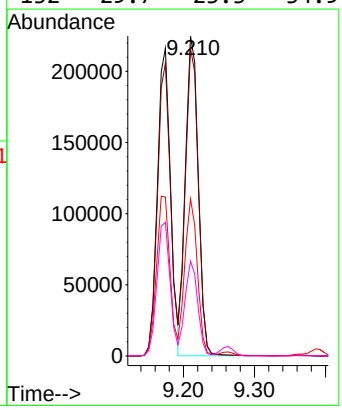


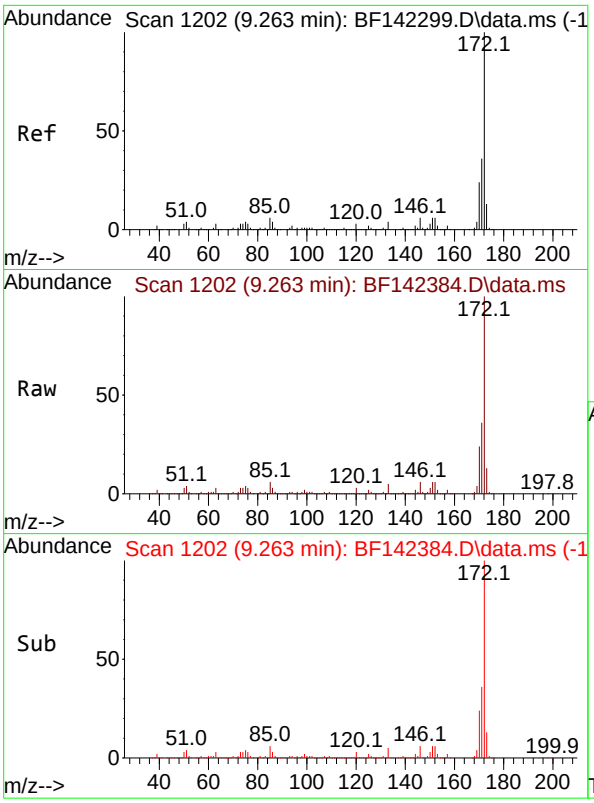


#44
2,4,5-Trichlorophenol
Concen: 43.069 ng
RT: 9.210 min Scan# 1193
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:196 Resp: 284606

Ion	Ratio	Lower	Upper
196	100		
198	96.2	76.1	114.1
97	49.1	39.0	58.4
132	29.7	23.3	34.9



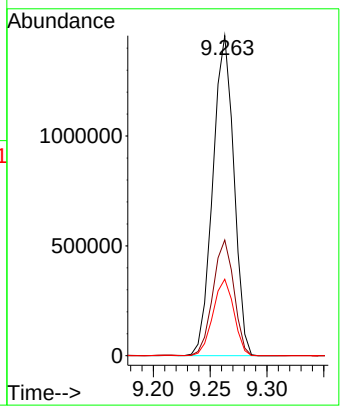


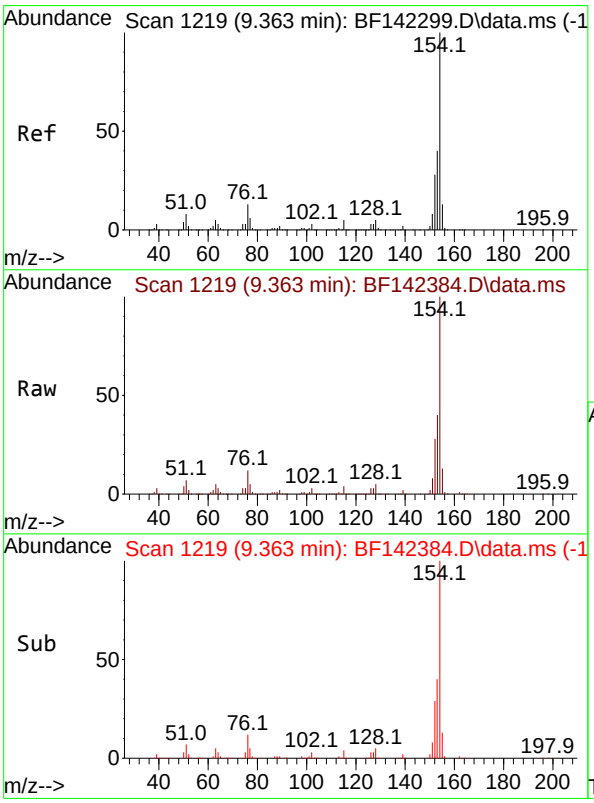
#45
2-Fluorobiphenyl
Concen: 76.057 ng
RT: 9.263 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:172 Resp: 1880482

Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.6	42.8
170	23.9	19.0	28.4

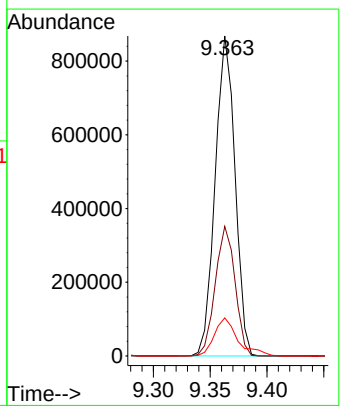


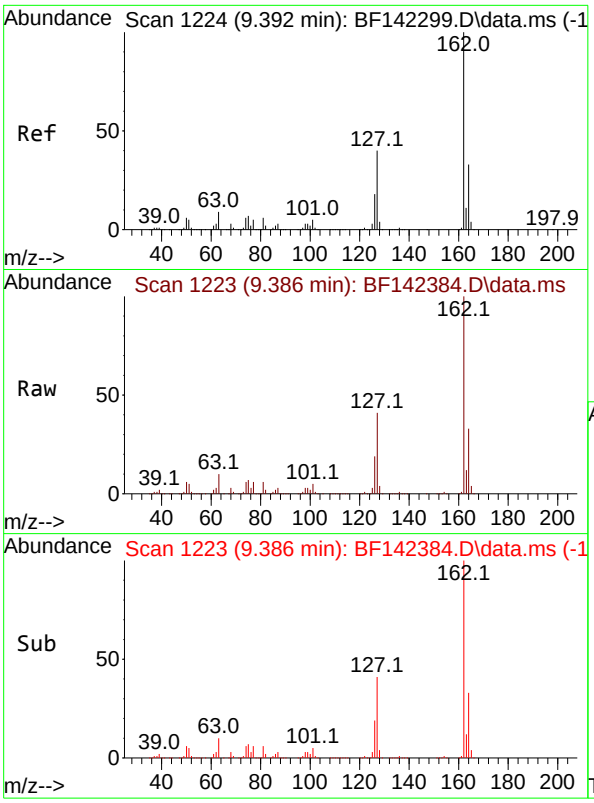


#46
1,1'-Biphenyl
Concen: 39.019 ng
RT: 9.363 min Scan# 1219
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:154 Resp: 1054716

Ion	Ratio	Lower	Upper
154	100		
153	40.5	20.5	60.5
76	11.9	0.0	32.8



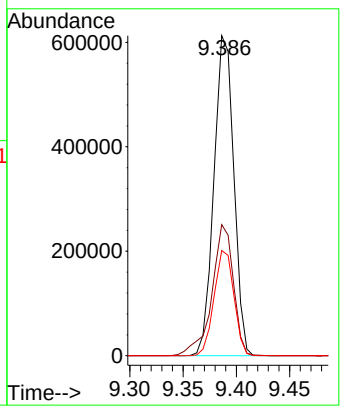


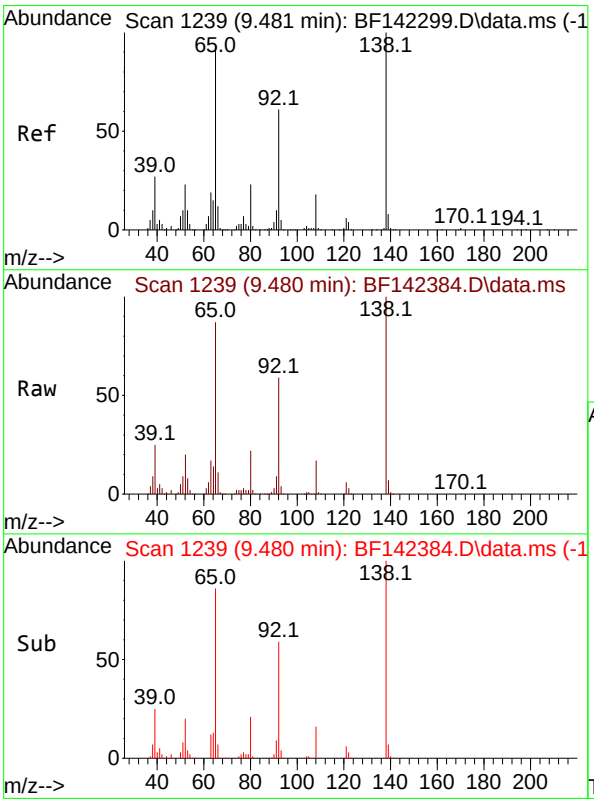
#47
2-Chloronaphthalene
Concen: 39.480 ng
RT: 9.386 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:162 Resp: 793640

Ion	Ratio	Lower	Upper
162	100		
127	40.9	32.3	48.5
164	32.9	26.6	40.0

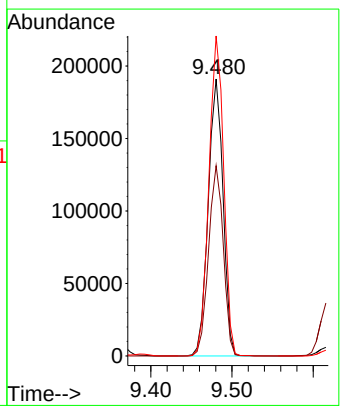


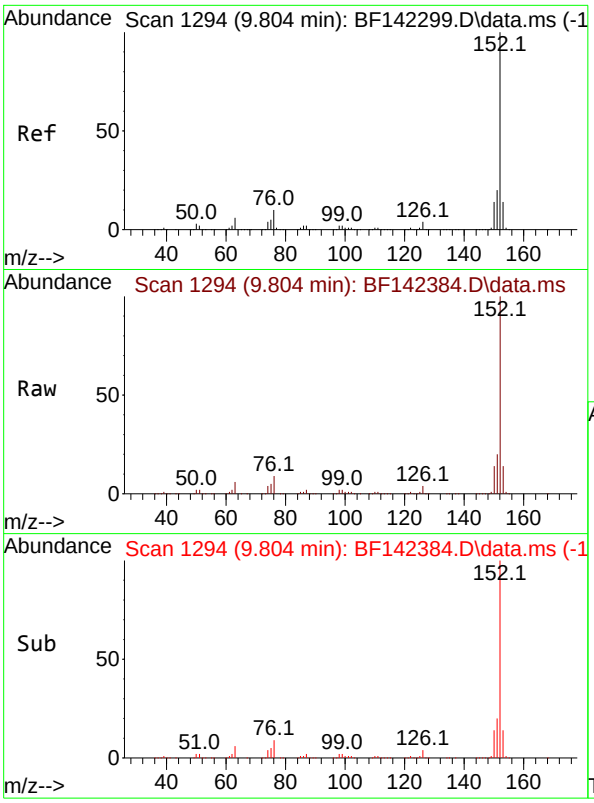


#48
2-Nitroaniline
Concen: 46.970 ng
RT: 9.480 min Scan# 1239
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion: 65 Resp: 242020

Ion	Ratio	Lower	Upper
65	100		
92	68.7	52.3	78.5
138	115.5	85.6	128.4



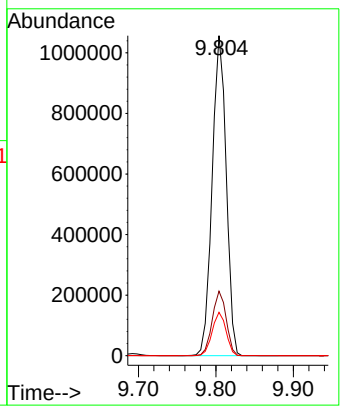


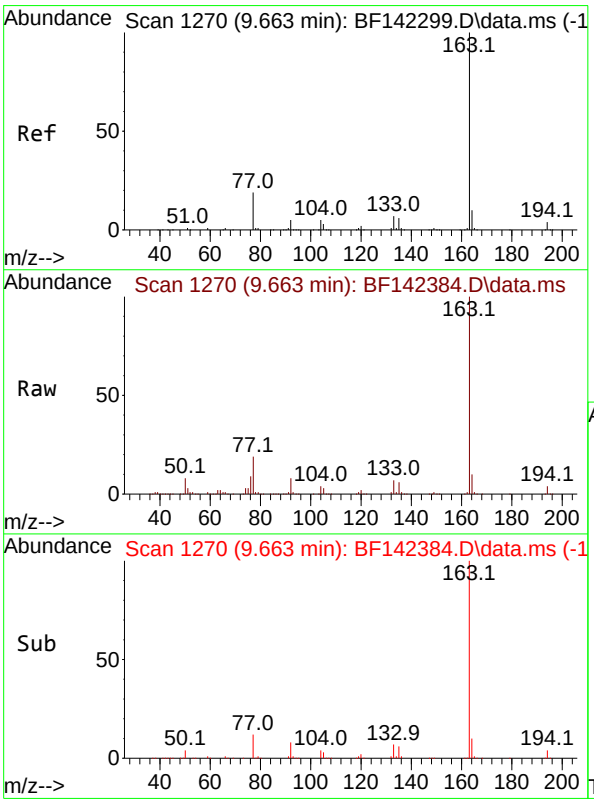
#49
Acenaphthylene
Concen: 39.556 ng
RT: 9.804 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:152 Resp: 1330203

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.0	24.0
153	13.5	10.8	16.2

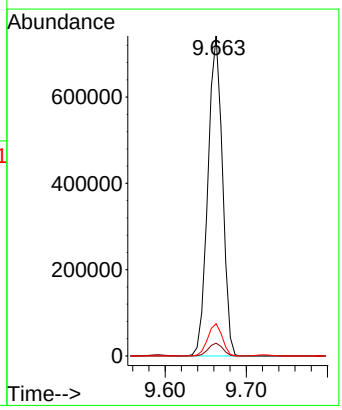


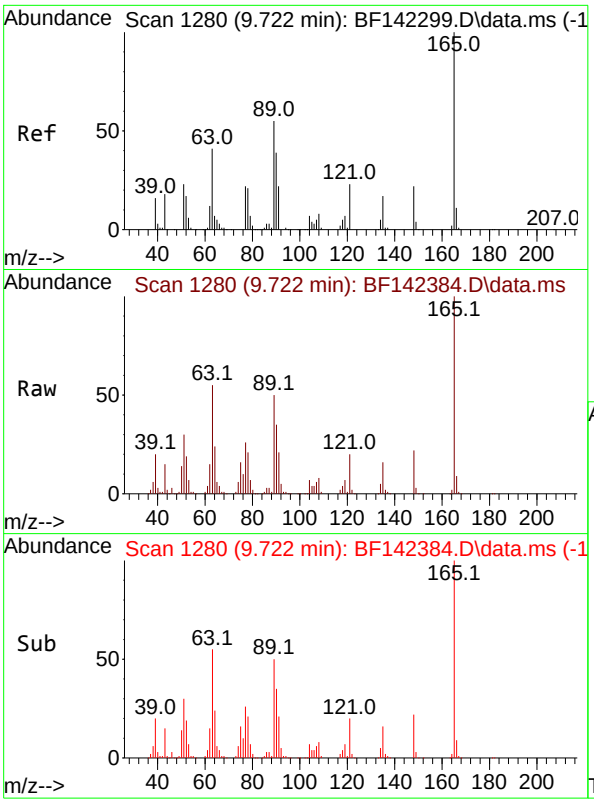


#50
Dimethylphthalate
Concen: 40.641 ng
RT: 9.663 min Scan# 1270
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:163 Resp: 920024

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.2	4.8
164	10.1	8.3	12.5



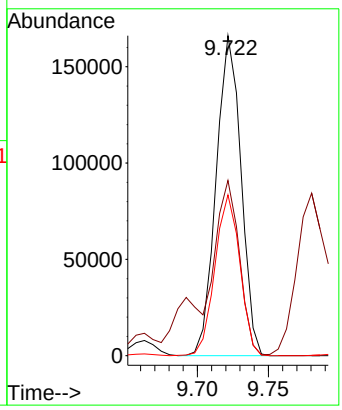


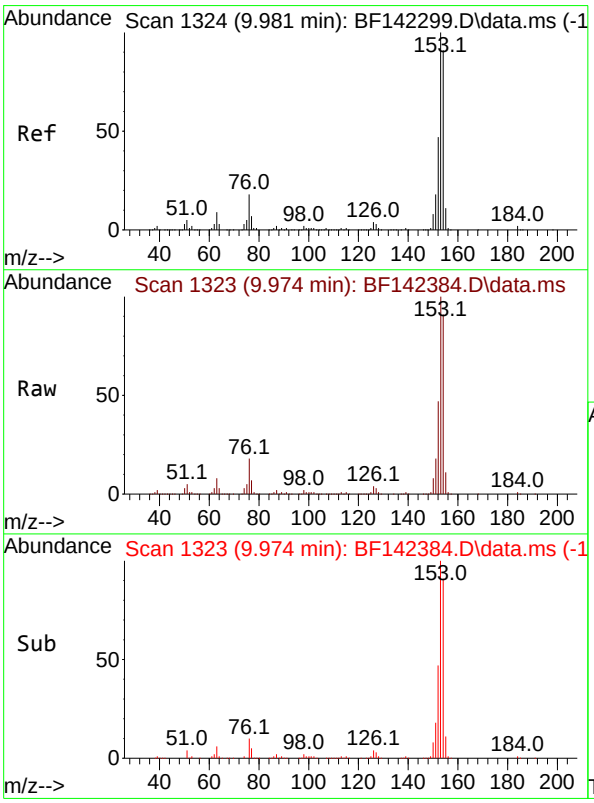
#51
2,6-Dinitrotoluene
Concen: 47.782 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 202470

Ion	Ratio	Lower	Upper
165	100		
63	54.8	49.5	74.3
89	50.3	44.6	66.8

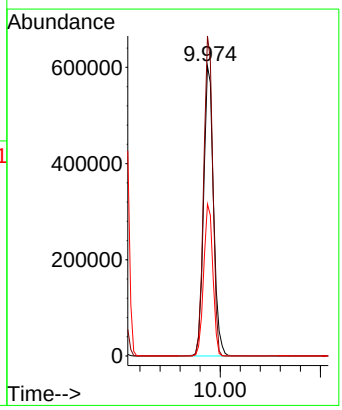


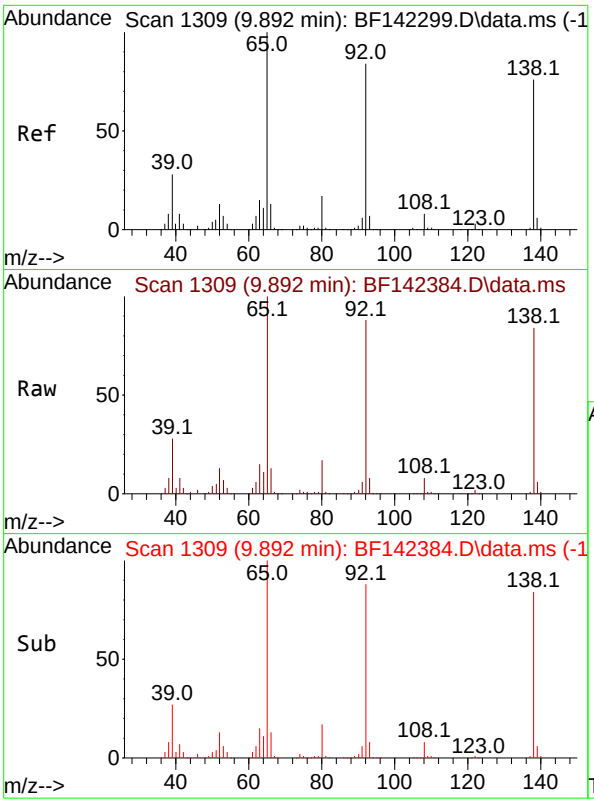


#52
Acenaphthene
Concen: 40.709 ng
RT: 9.974 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:154 Resp: 823139

Ion	Ratio	Lower	Upper
154	100		
153	110.4	88.0	132.0
152	52.4	41.6	62.4



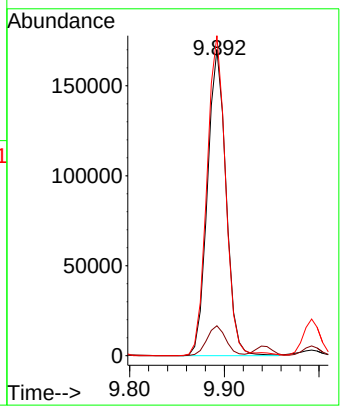


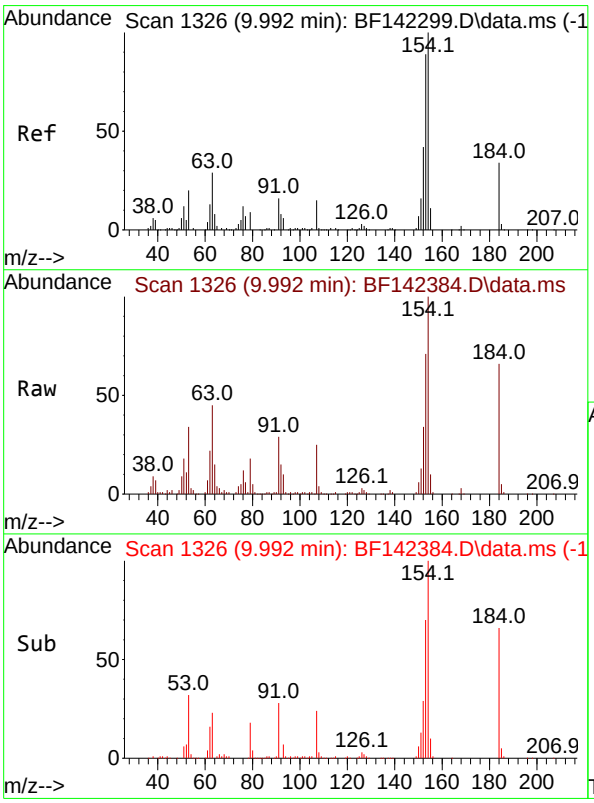
#53
3-Nitroaniline
Concen: 46.586 ng
RT: 9.892 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:138 Resp: 231519

Ion	Ratio	Lower	Upper
138	100		
108	9.8	8.7	13.1
92	104.5	89.5	134.3

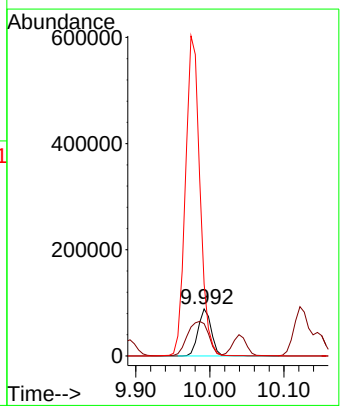


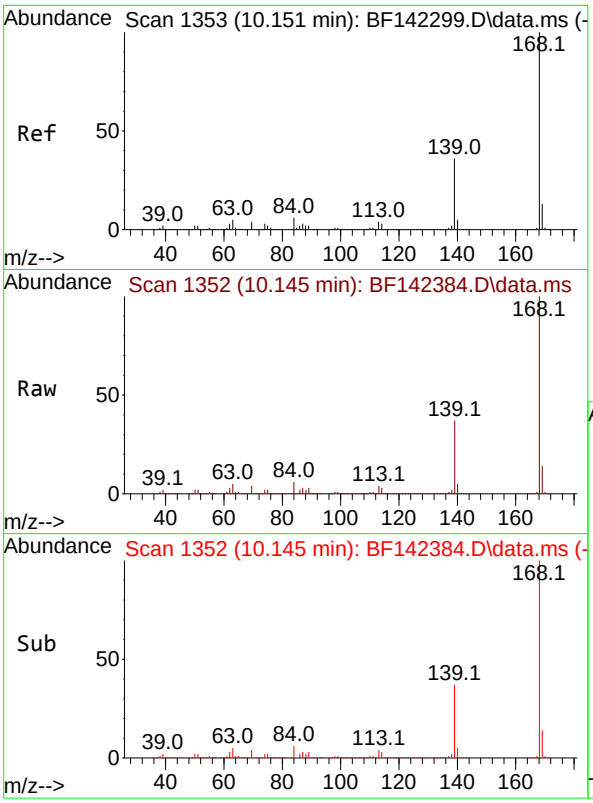


#54
2,4-Dinitrophenol
Concen: 52.287 ng
RT: 9.992 min Scan# 1326
Delta R.T. 0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:184 Resp: 109406

Ion	Ratio	Lower	Upper
184	100		
63	68.7	70.6	105.8#
154	152.4	257.2	385.8#



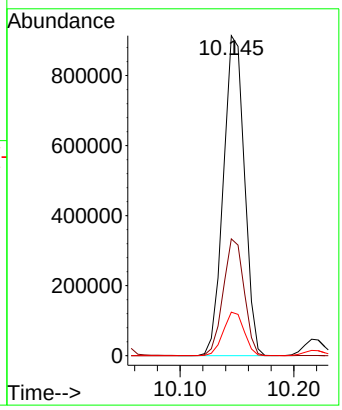


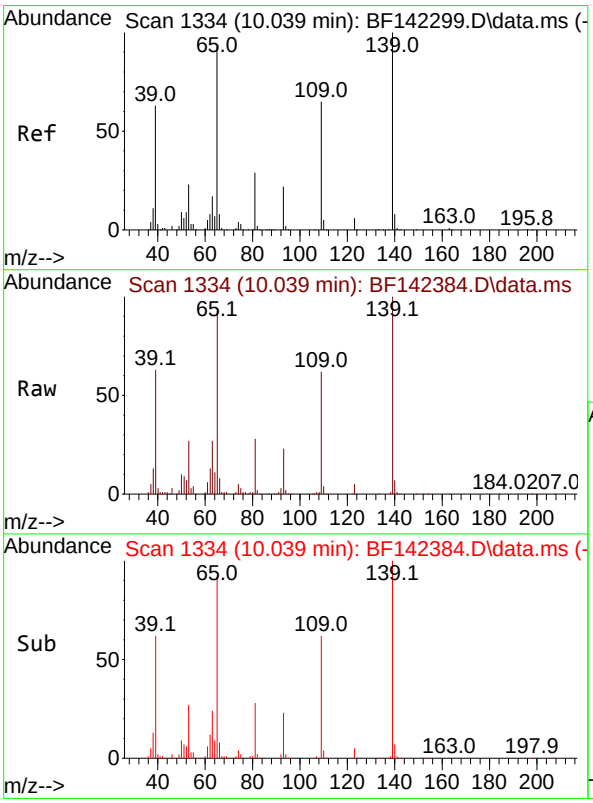
#55
Dibenzofuran
Concen: 39.460 ng
RT: 10.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:168 Resp: 1177533

Ion	Ratio	Lower	Upper
168	100		
139	36.5	29.0	43.4
169	13.6	10.7	16.1

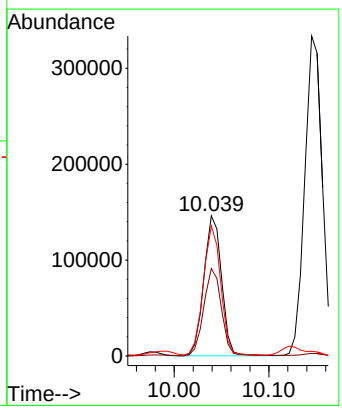


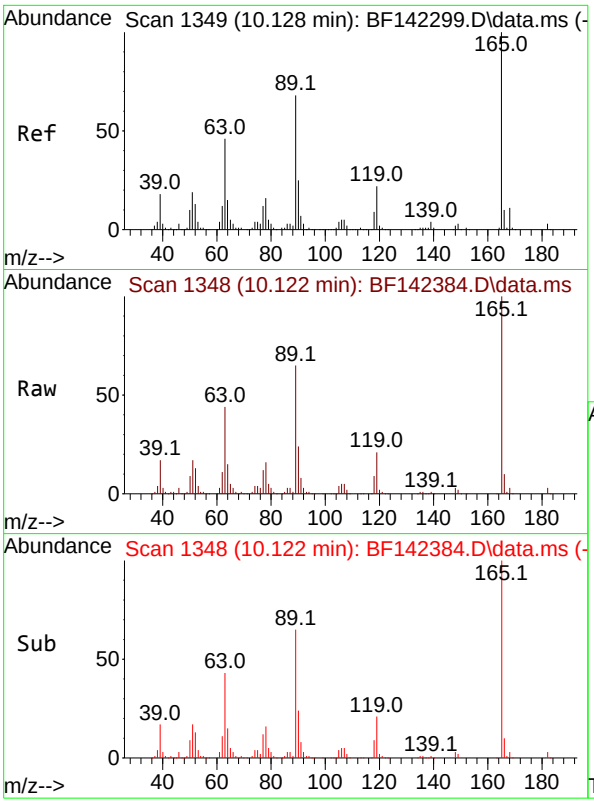


#56
4-Nitrophenol
Concen: 50.863 ng
RT: 10.039 min Scan# 1334
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:139 Resp: 190242

Ion	Ratio	Lower	Upper
139	100		
109	62.3	45.3	85.3
65	92.7	73.9	113.9



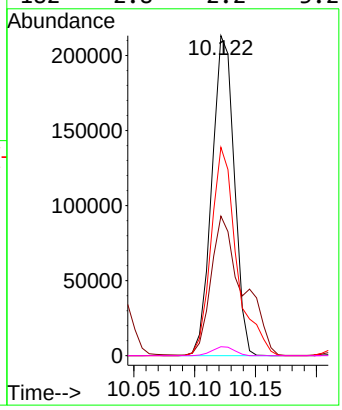


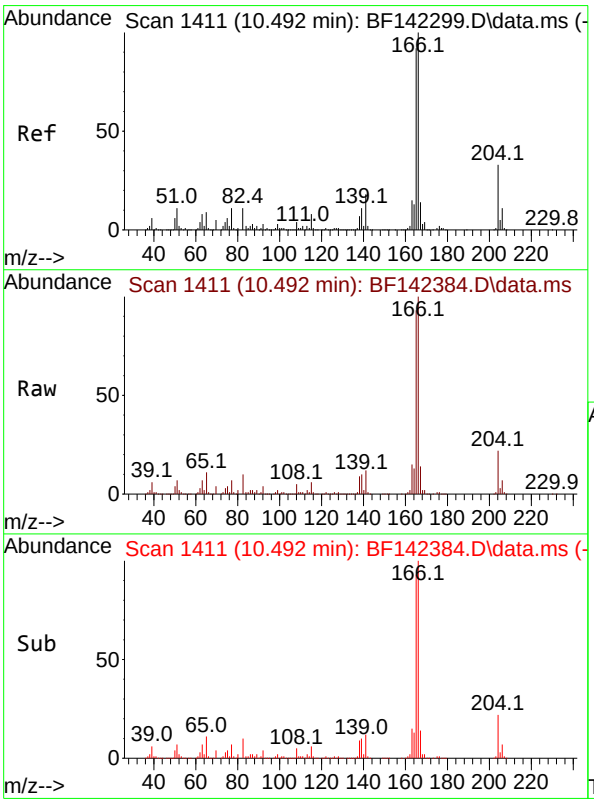
#57
2,4-Dinitrotoluene
Concen: 50.147 ng
RT: 10.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:165 Resp: 272568

Ion	Ratio	Lower	Upper
165	100		
63	43.6	37.1	55.7
89	65.1	54.4	81.6
182	2.8	2.2	3.2

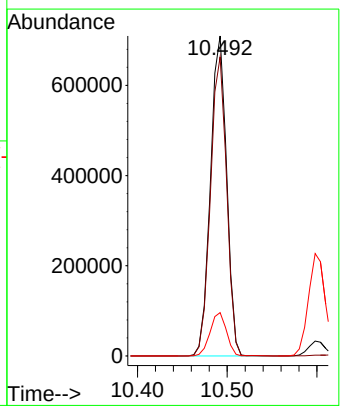


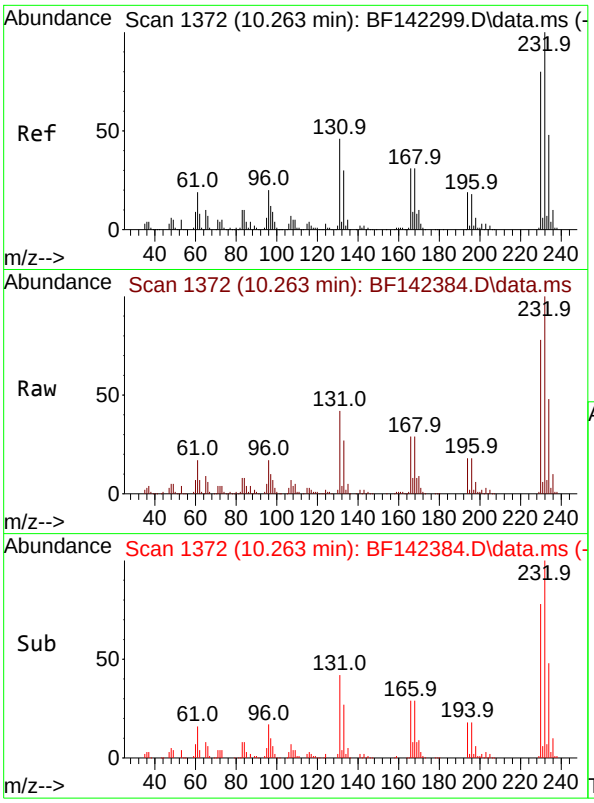


#58
Fluorene
Concen: 38.957 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:166 Resp: 887188

Ion	Ratio	Lower	Upper
166	100		
165	93.5	74.0	111.0
167	13.6	10.9	16.3



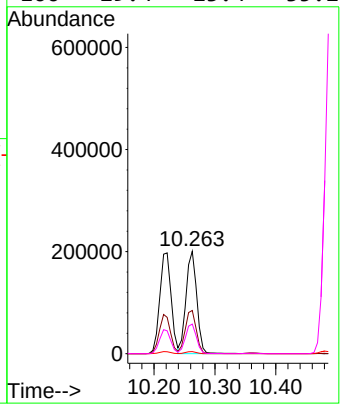


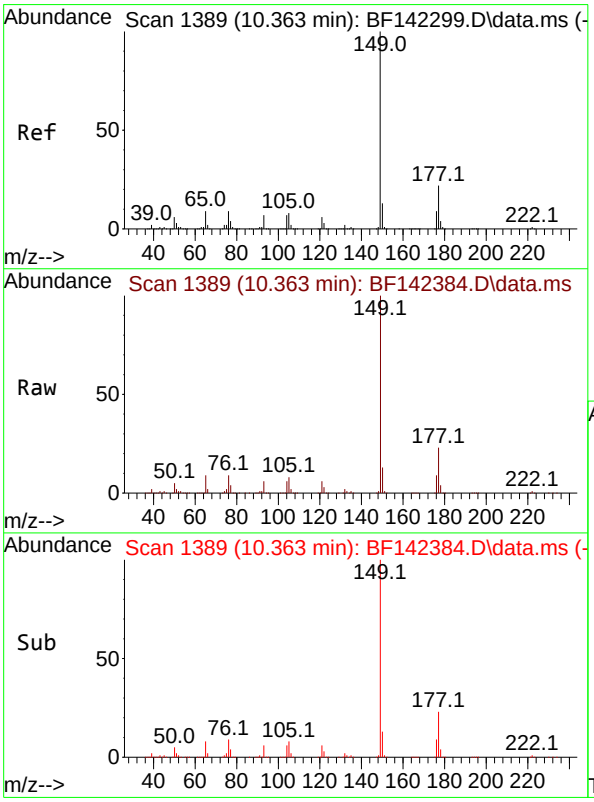
#59
2,3,4,6-Tetrachlorophenol
Concen: 45.231 ng
RT: 10.263 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:232 Resp: 246742

Ion	Ratio	Lower	Upper
232	100		
131	43.3	36.0	54.0
130	2.1	1.8	2.6
166	29.4	23.4	35.2

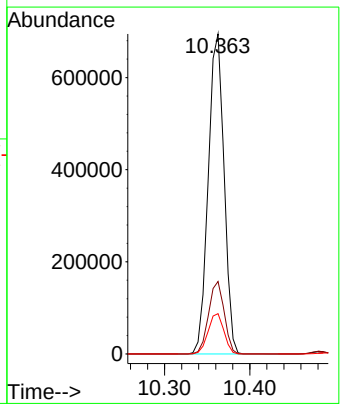


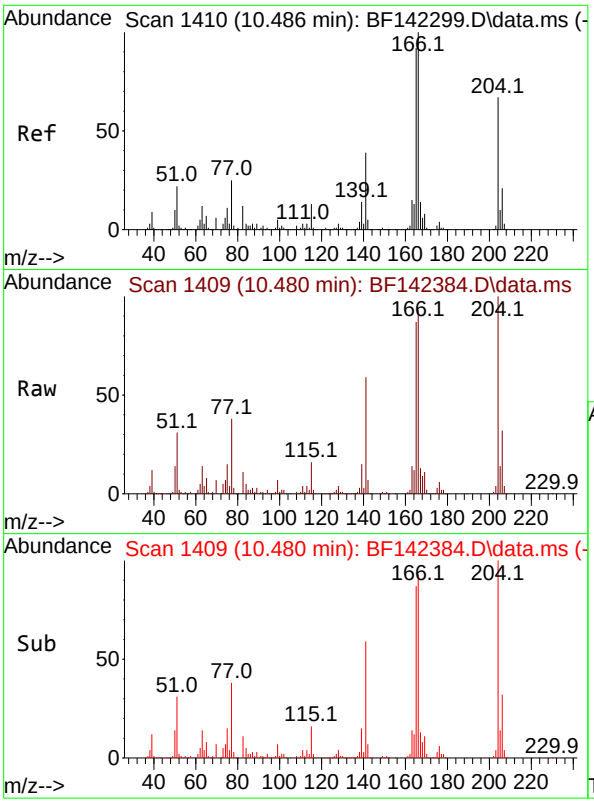


#60
Diethylphthalate
Concen: 39.551 ng
RT: 10.363 min Scan# 1389
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:149 Resp: 894154

Ion	Ratio	Lower	Upper
149	100		
177	22.6	17.6	26.4
150	12.6	10.1	15.1



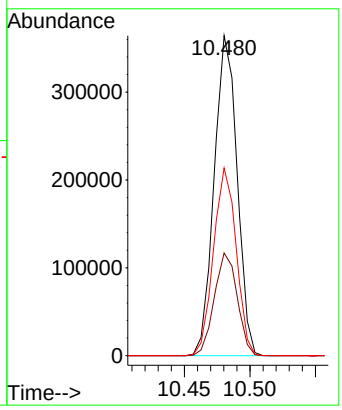


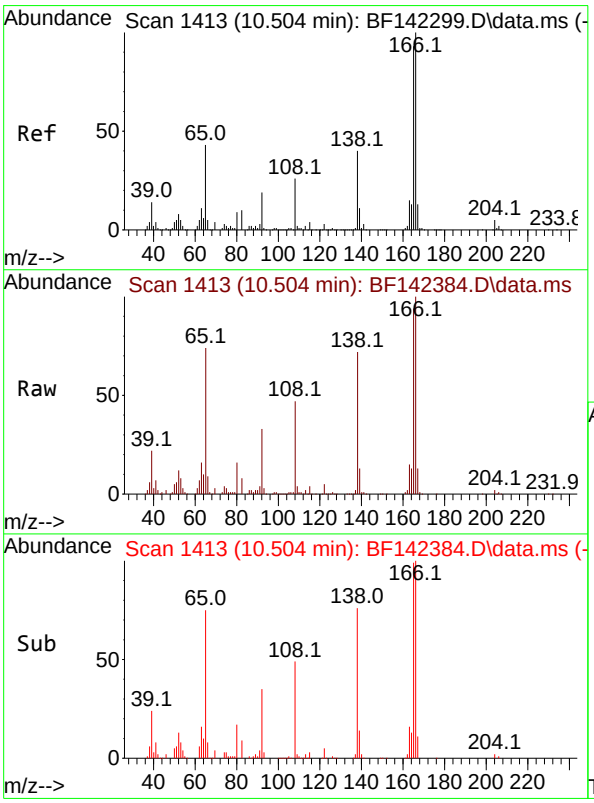
#61
4-Chlorophenyl-phenylether
Concen: 40.251 ng
RT: 10.480 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:204 Resp: 442251

Ion	Ratio	Lower	Upper
204	100		
206	32.1	25.5	38.3
141	58.6	46.4	69.6

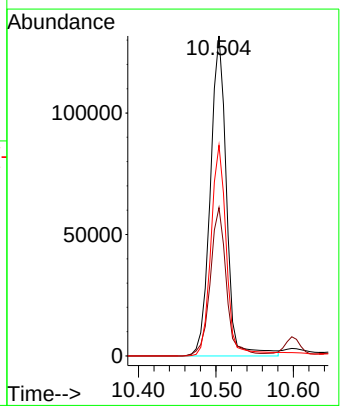


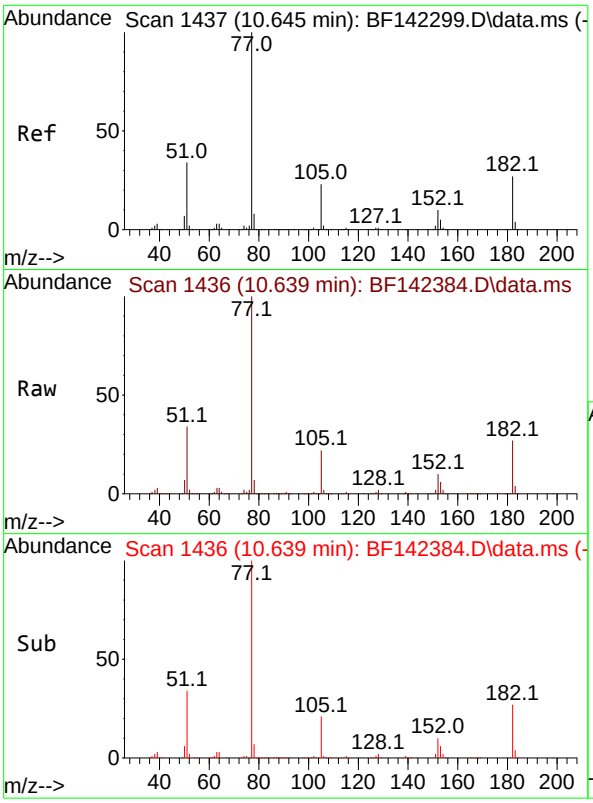


#62
4-Nitroaniline
Concen: 48.448 ng
RT: 10.504 min Scan# 1413
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:138 Resp: 190827

Ion	Ratio	Lower	Upper
138	100		
92	46.3	27.3	67.3
108	65.8	45.1	85.1



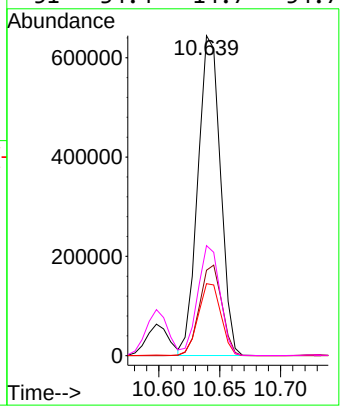


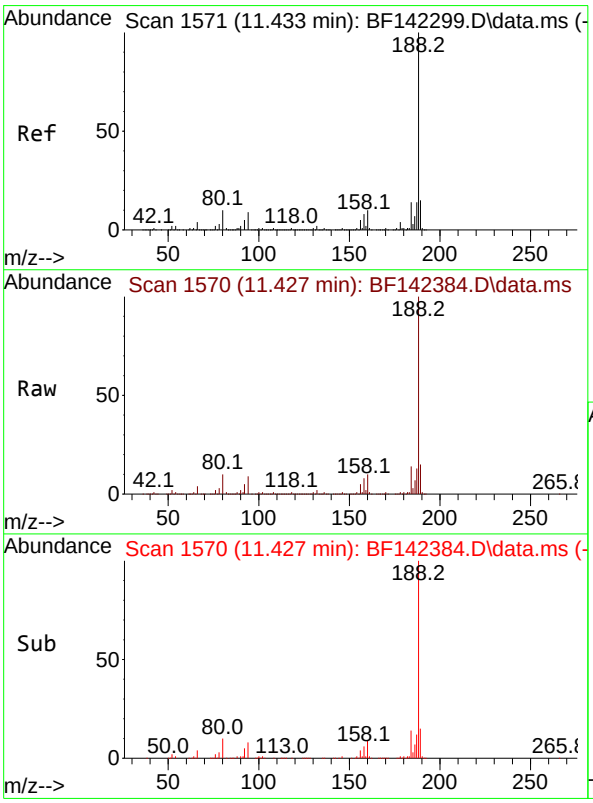
#63
Azobenzene
Concen: 38.382 ng
RT: 10.639 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 77 Resp: 829169

Ion	Ratio	Lower	Upper
77	100		
182	26.7	6.9	46.9
105	22.5	2.7	42.7
51	34.4	14.7	54.7

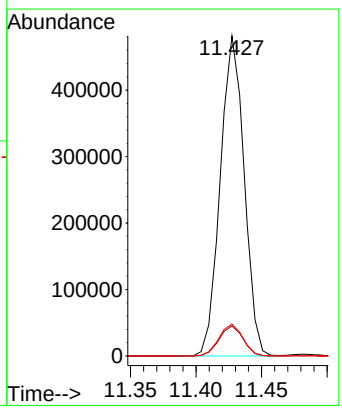


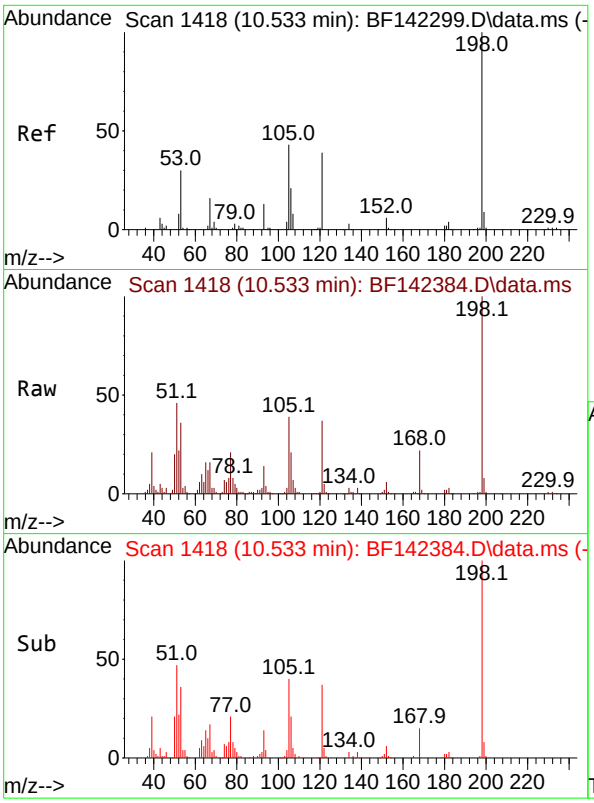


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:188 Resp: 609842

Ion	Ratio	Lower	Upper
188	100		
94	9.4	7.5	11.3
80	10.0	7.9	11.9



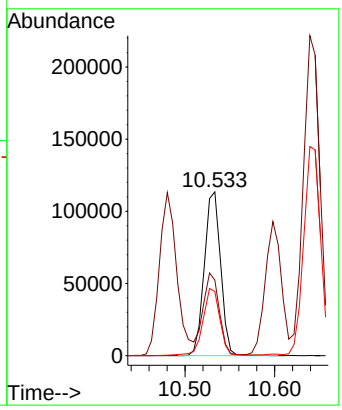


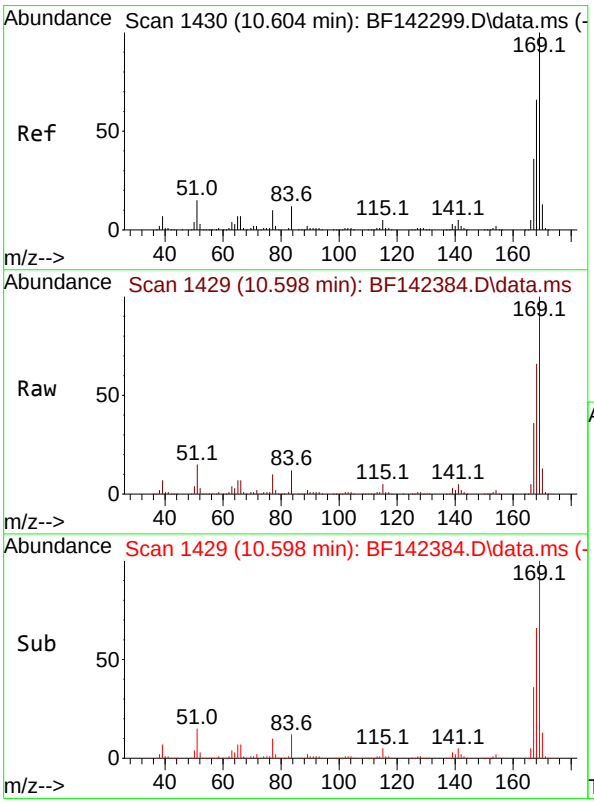
#65
4,6-Dinitro-2-methylphenol
Concen: 50.061 ng
RT: 10.533 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:198 Resp: 143343

Ion	Ratio	Lower	Upper
198	100		
51	46.1	32.9	72.9
105	39.2	23.7	63.7

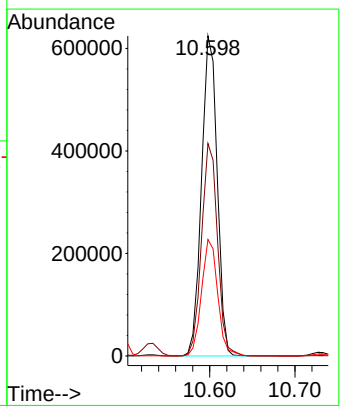


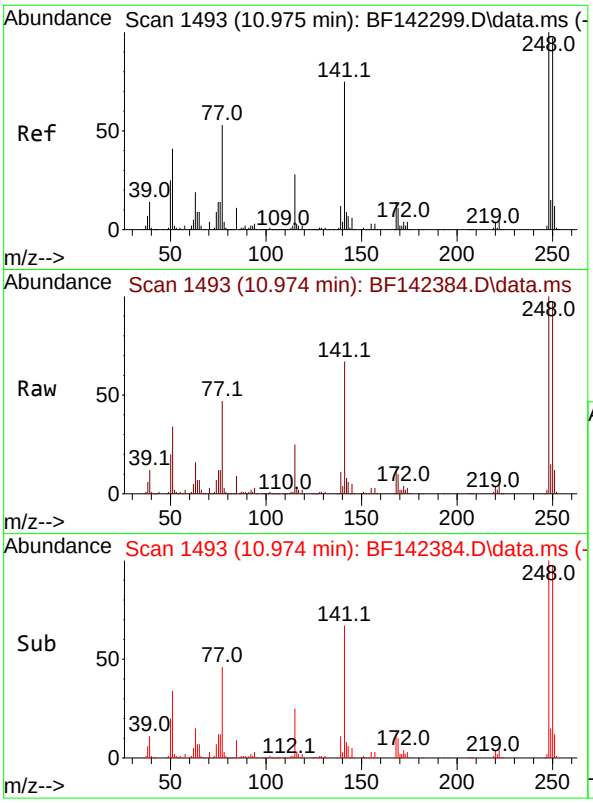


#66
n-Nitrosodiphenylamine
Concen: 39.193 ng
RT: 10.598 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:169 Resp: 795348

Ion	Ratio	Lower	Upper
169	100		
168	66.4	53.2	79.8
167	36.4	28.9	43.3



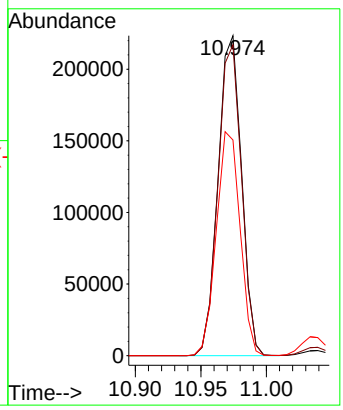


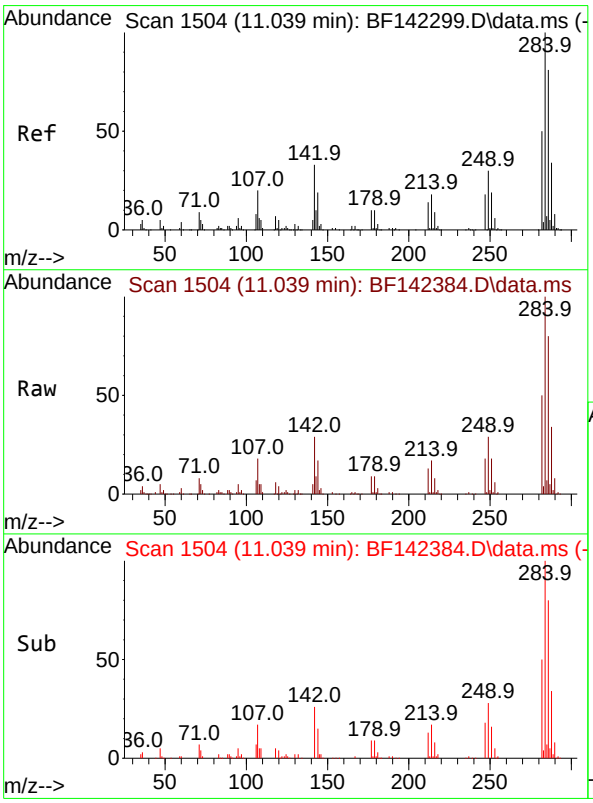
#67
4-Bromophenyl-phenylether
Concen: 40.333 ng
RT: 10.974 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 278763

Ion	Ratio	Lower	Upper
248	100		
250	97.1	77.9	116.9
141	67.4	59.8	89.8

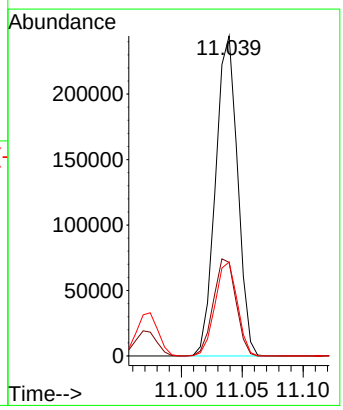


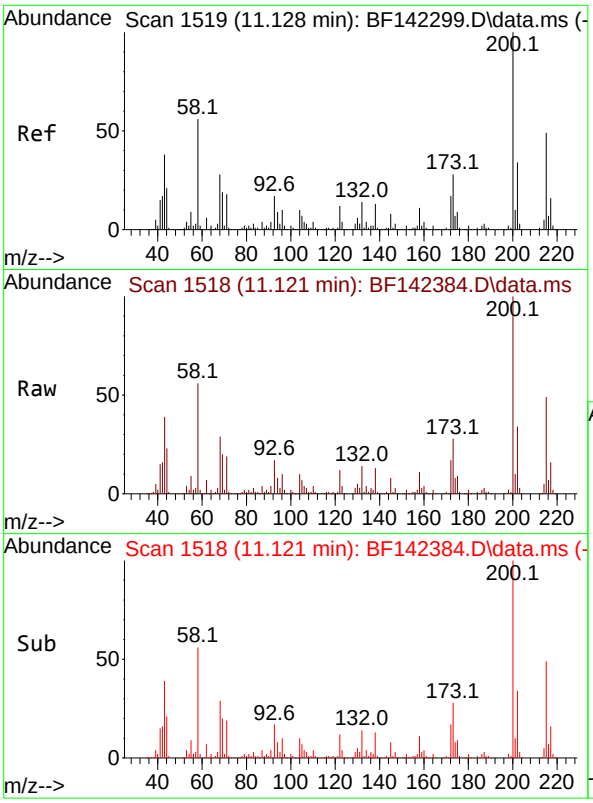


#68
Hexachlorobenzene
Concen: 40.540 ng
RT: 11.039 min Scan# 1504
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:284 Resp: 308205

Ion	Ratio	Lower	Upper
284	100		
142	29.3	26.6	39.8
249	29.4	24.1	36.1



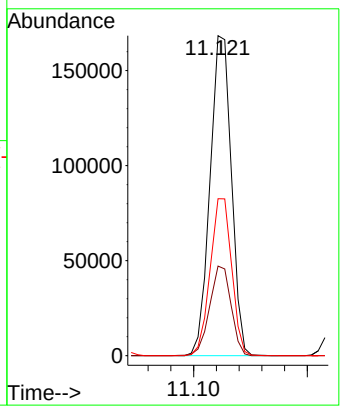


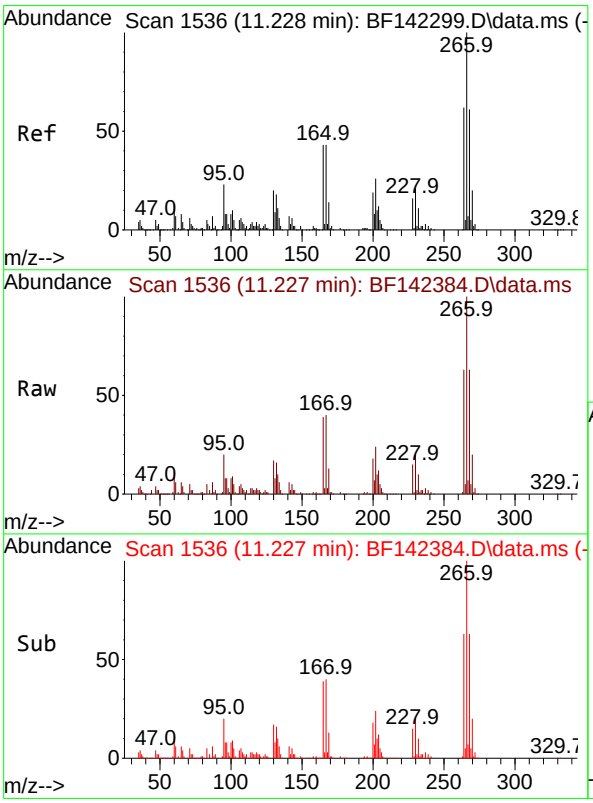
#69
Atrazine
Concen: 41.159 ng
RT: 11.121 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:200 Resp: 220173

Ion	Ratio	Lower	Upper
200	100		
173	28.0	8.1	48.1
215	49.0	28.8	68.8

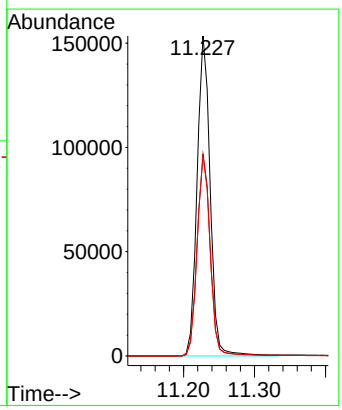


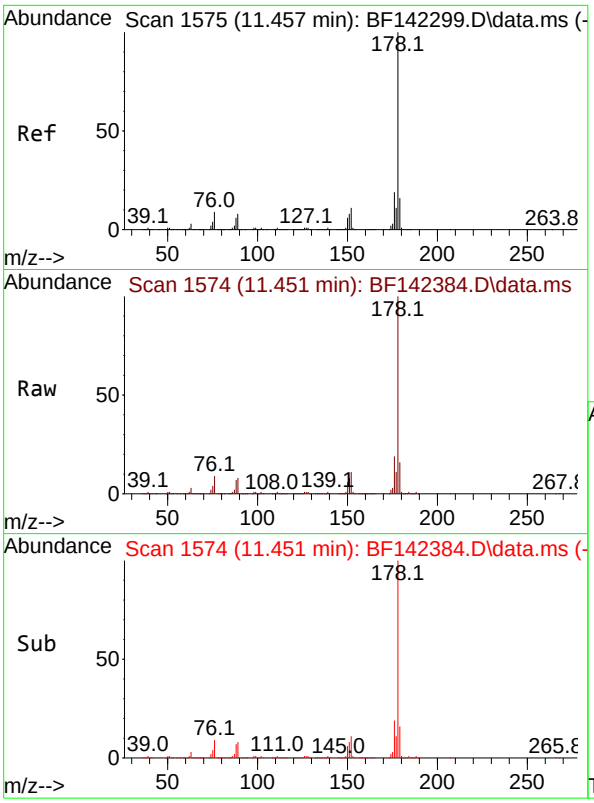


#70
Pentachlorophenol
Concen: 49.158 ng
RT: 11.227 min Scan# 1536
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:266 Resp: 196607

Ion	Ratio	Lower	Upper
266	100		
268	63.1	48.7	73.1
264	62.8	49.8	74.6



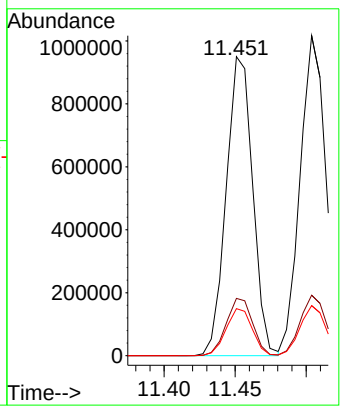


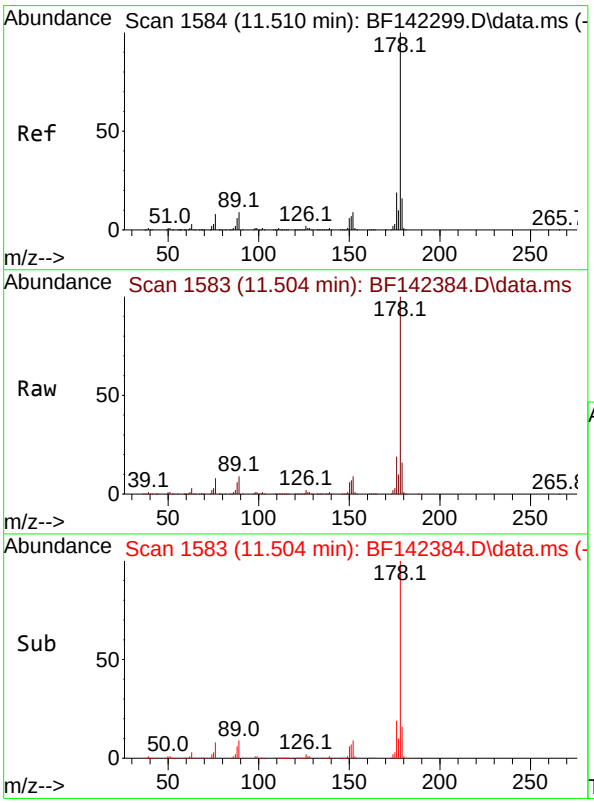
#71
Phenanthrene
Concen: 38.567 ng
RT: 11.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:178 Resp: 1232846

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.5	23.3
179	15.8	12.6	18.8

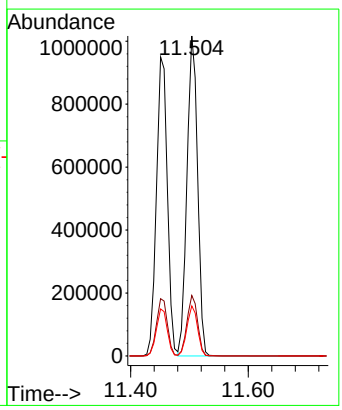


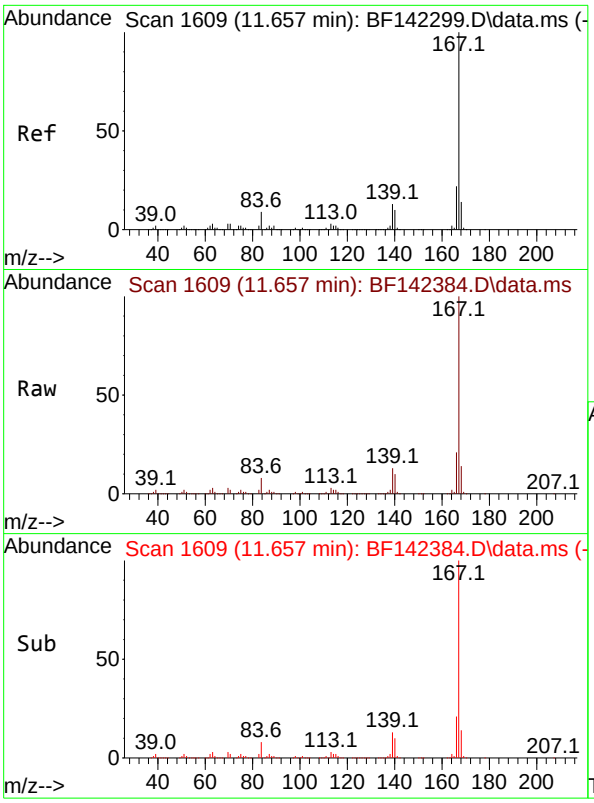


#72
Anthracene
Concen: 38.868 ng
RT: 11.504 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:178 Resp: 1276652

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	15.6	12.6	18.8



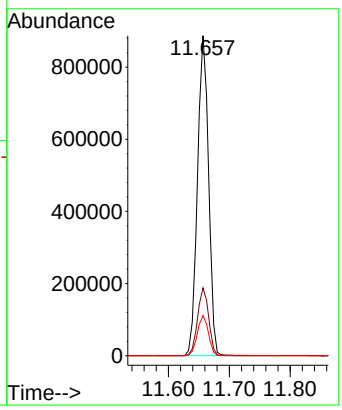


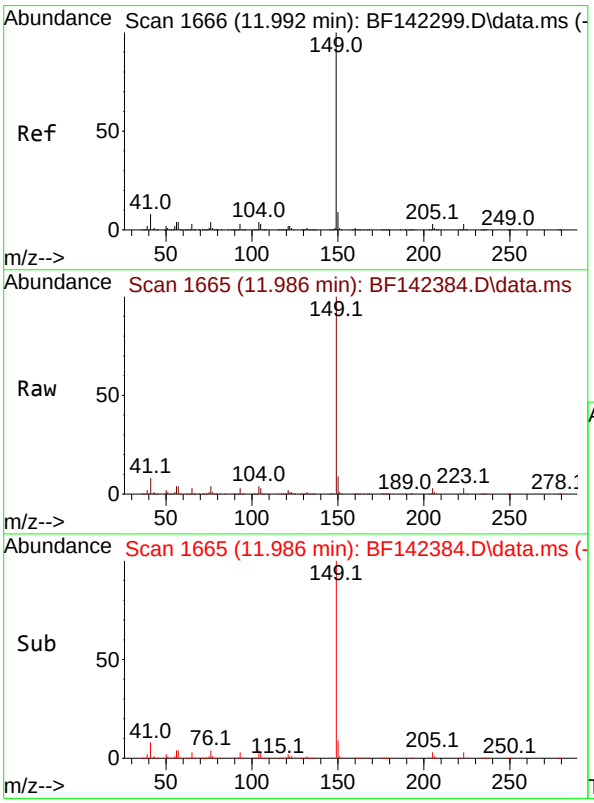
#73
Carbazole
Concen: 38.029 ng
RT: 11.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:167 Resp: 1120621

Ion	Ratio	Lower	Upper
167	100		
166	21.2	17.2	25.8
139	12.5	10.3	15.5

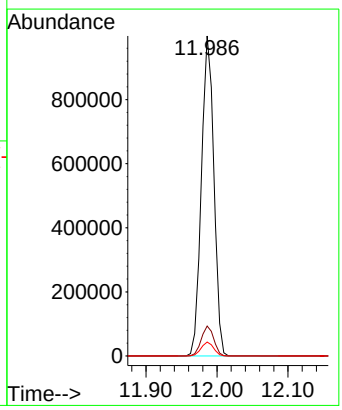


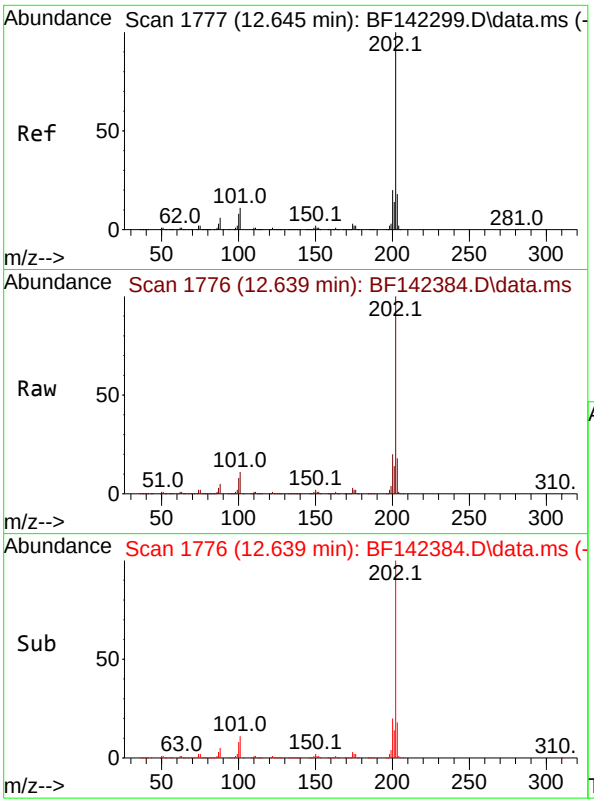


#74
Di-n-butylphthalate
Concen: 39.441 ng
RT: 11.986 min Scan# 1665
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:149 Resp: 1222117

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.5	11.3
104	4.3	3.6	5.4



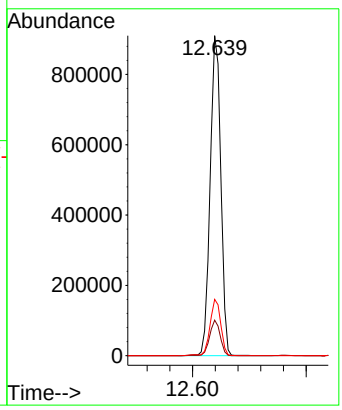


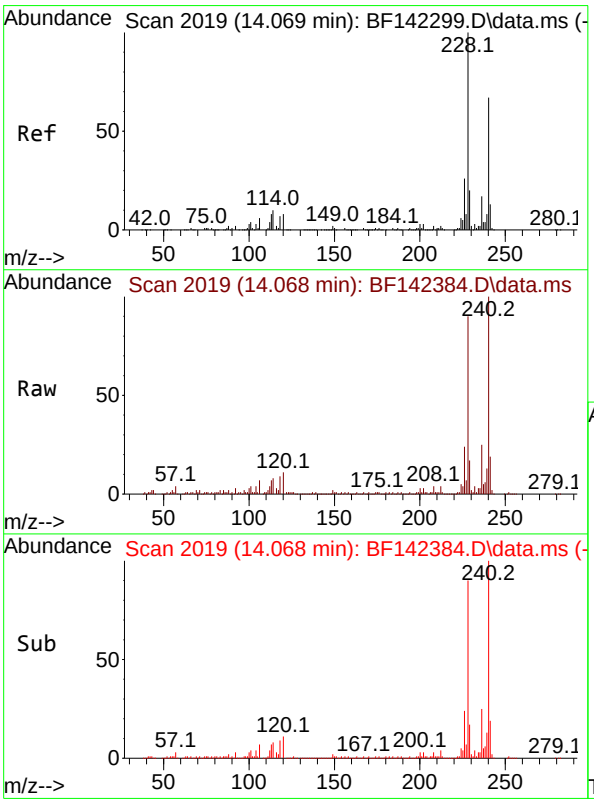
#75
Fluoranthene
Concen: 36.881 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 1178524

Ion	Ratio	Lower	Upper
202	100		
101	11.1	0.0	31.4
203	17.6	0.0	37.9

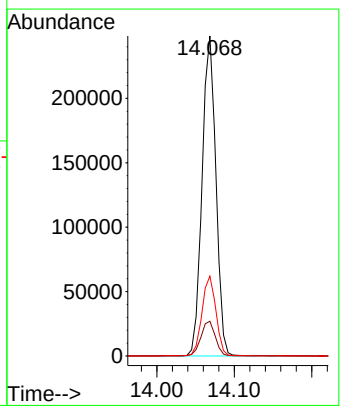


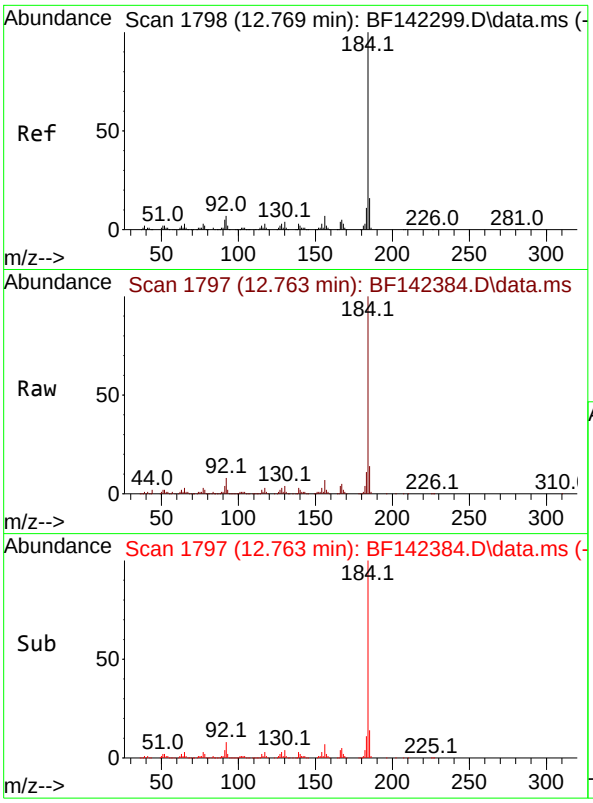


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:240 Resp: 307770

Ion	Ratio	Lower	Upper
240	100		
120	10.8	9.7	14.5
236	24.9	20.0	30.0



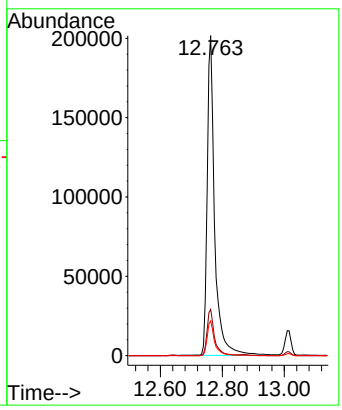


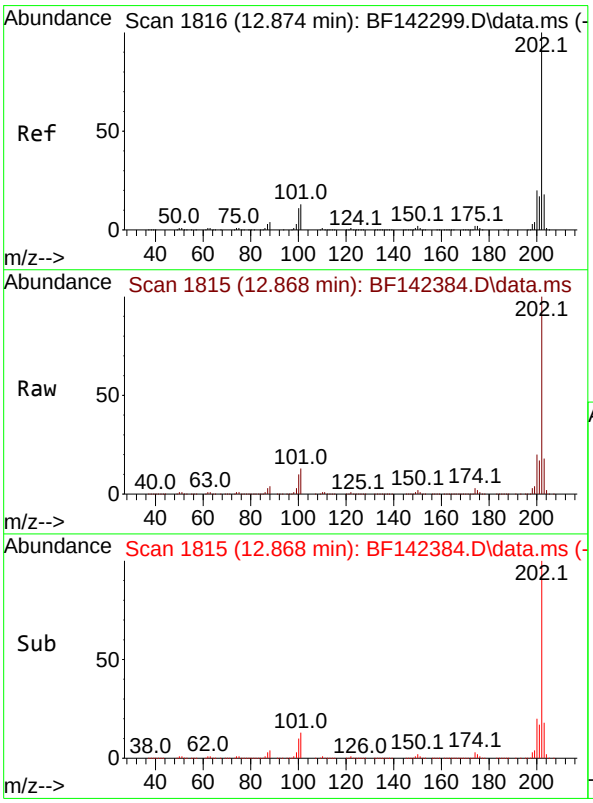
#77
Benzidine
Concen: 60.569 ng
RT: 12.763 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:184 Resp: 338767

Ion	Ratio	Lower	Upper
184	100		
185	14.5	12.6	18.8
183	10.9	8.6	12.8

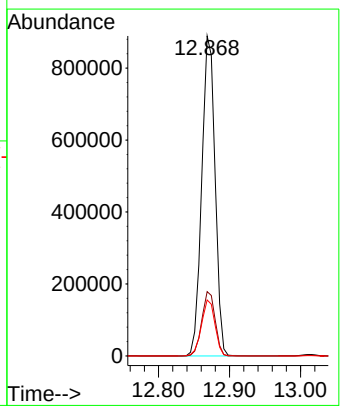


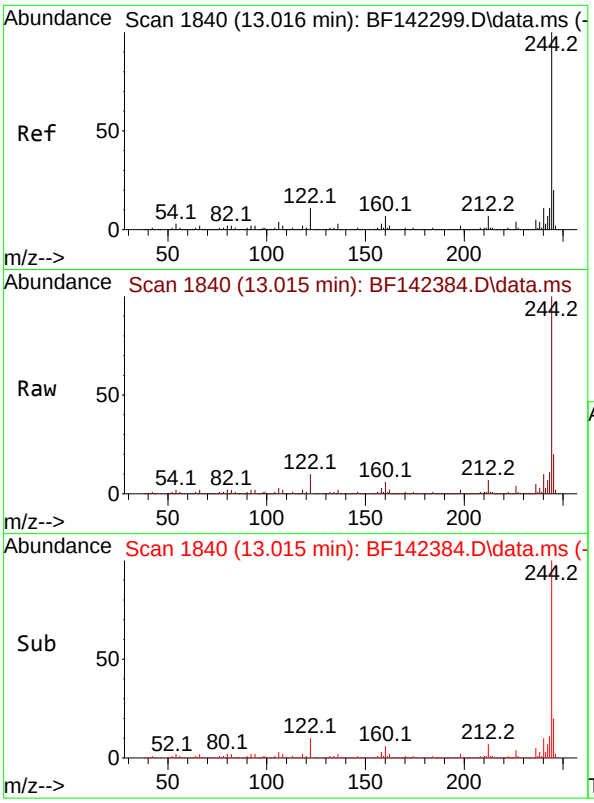


#78
Pyrene
Concen: 42.472 ng
RT: 12.868 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:202 Resp: 1163491

Ion	Ratio	Lower	Upper
202	100		
200	20.1	16.2	24.4
203	17.5	14.3	21.5



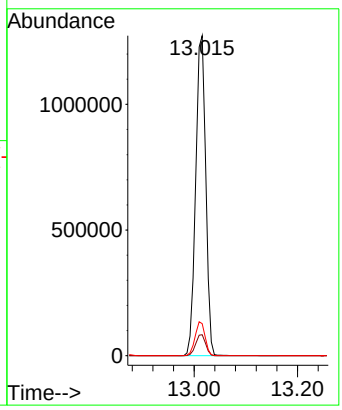


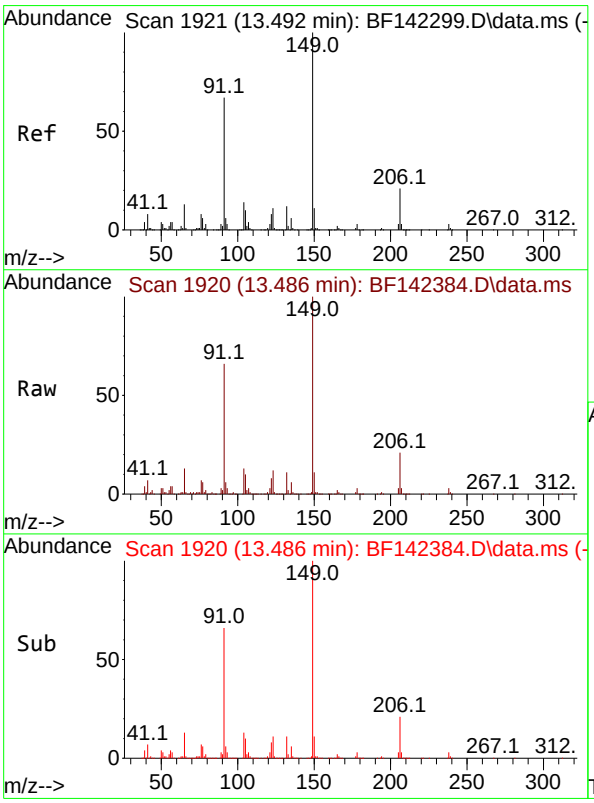
#79
Terphenyl-d14
Concen: 82.657 ng
RT: 13.015 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:244 Resp: 1718750

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.2
122	10.0	9.0	13.4

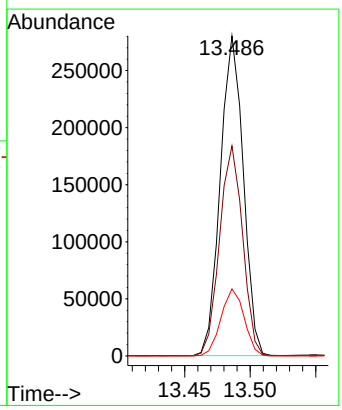


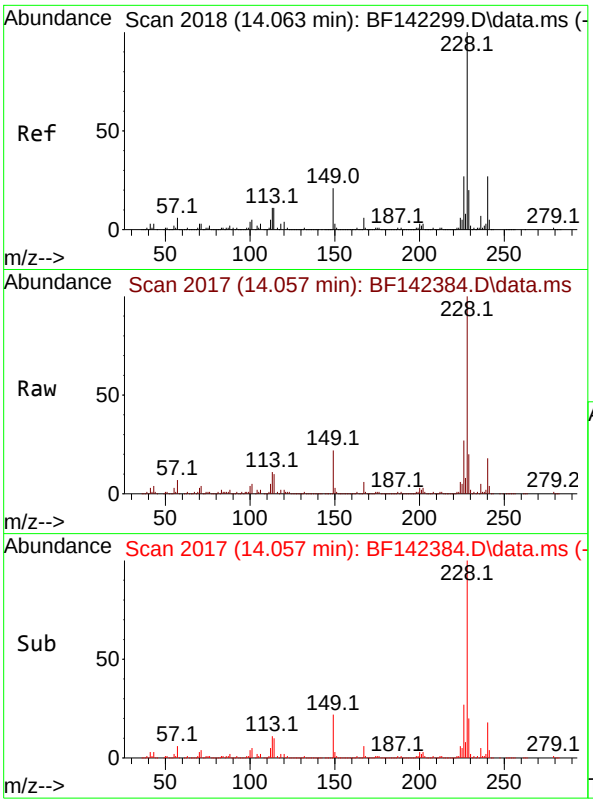


#80
Butylbenzylphthalate
Concen: 43.080 ng
RT: 13.486 min Scan# 1920
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:149 Resp: 341169

Ion	Ratio	Lower	Upper
149	100		
91	65.6	53.8	80.6
206	20.9	16.6	24.8



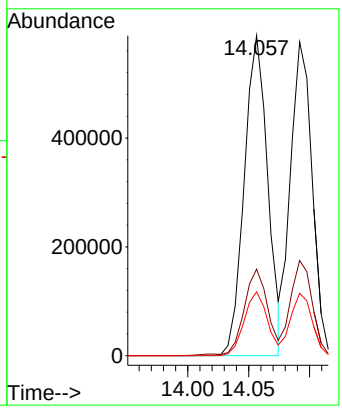


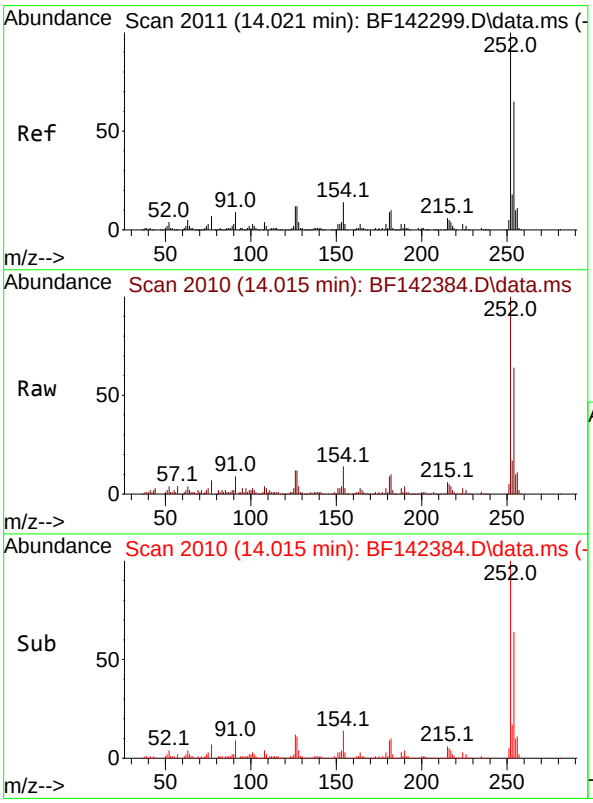
#81
Benzo(a)anthracene
Concen: 39.532 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 787940

Ion	Ratio	Lower	Upper
228	100		
226	27.1	21.5	32.3
229	19.9	15.9	23.9

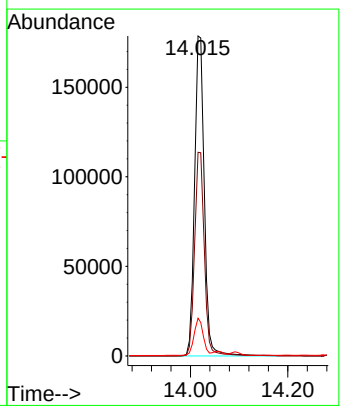


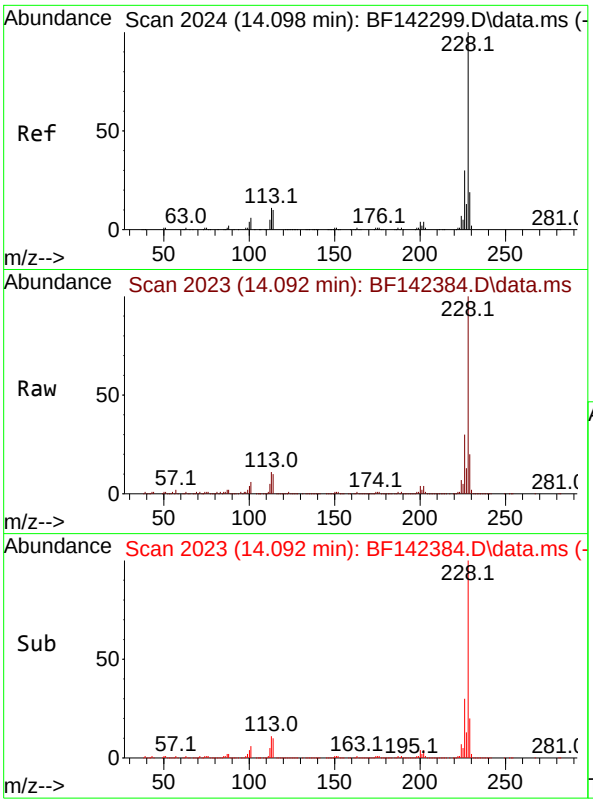


#82
3,3'-Dichlorobenzidine
Concen: 53.961 ng
RT: 14.015 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:252 Resp: 250112

Ion	Ratio	Lower	Upper
252	100		
254	63.7	52.0	78.0
126	11.8	9.7	14.5



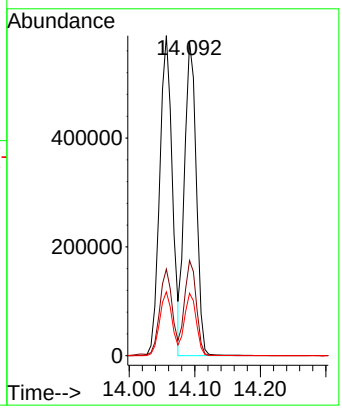


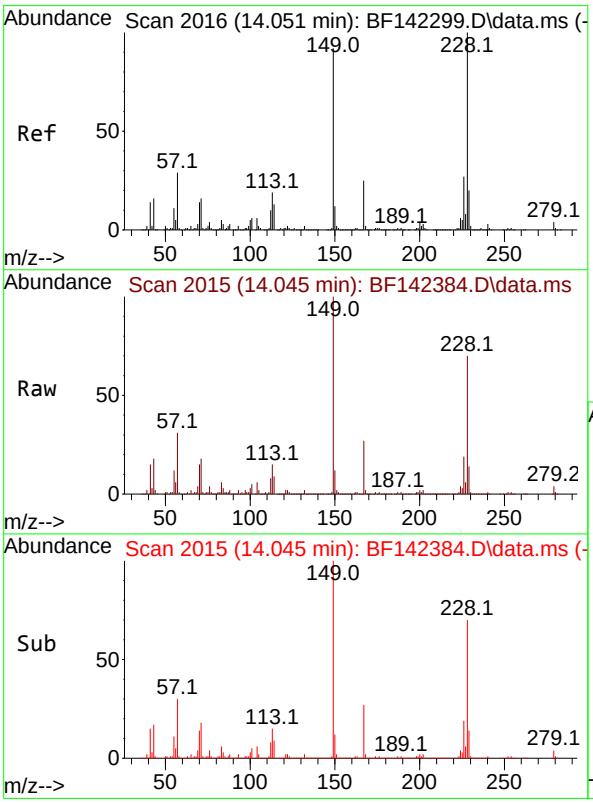
#83
Chrysene
Concen: 38.699 ng
RT: 14.092 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:228 Resp: 718046

Ion	Ratio	Lower	Upper
228	100		
226	30.3	23.9	35.9
229	19.9	15.4	23.2

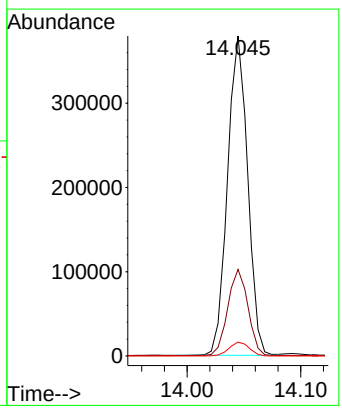


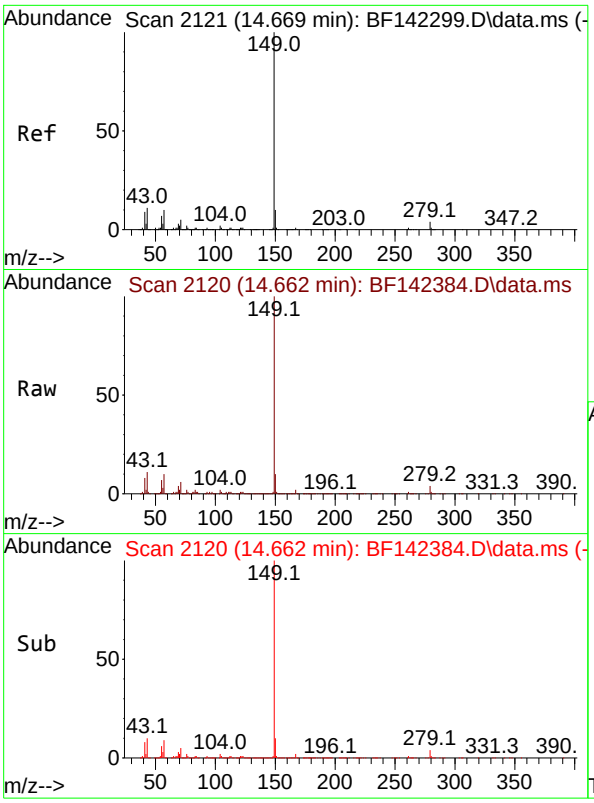


#84
Bis(2-ethylhexyl)phthalate
Concen: 45.102 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:149 Resp: 466640

Ion	Ratio	Lower	Upper
149	100		
167	27.1	22.0	33.0
279	4.3	3.0	4.6



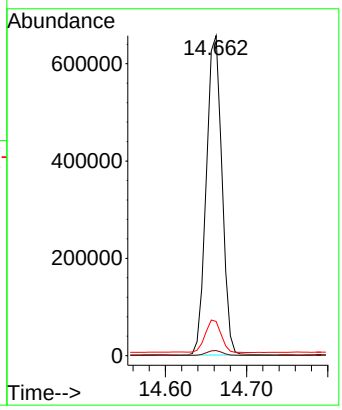


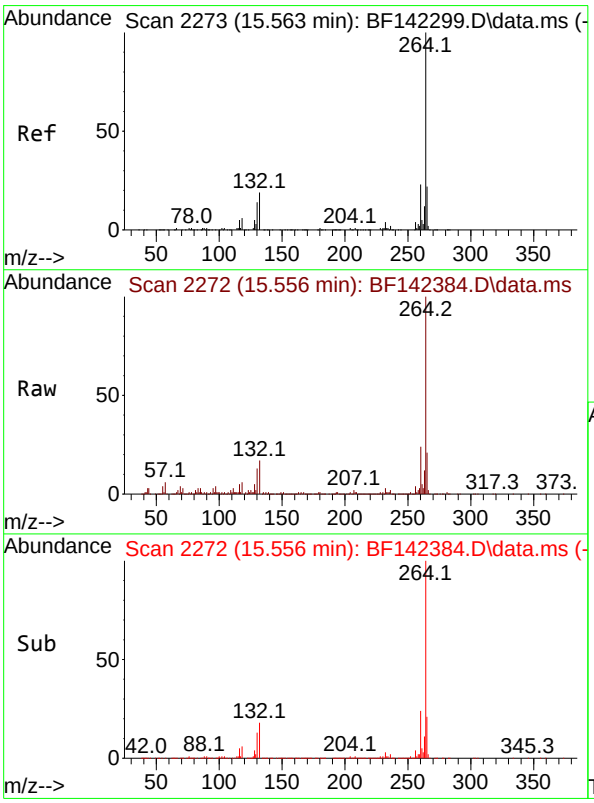
#85
Di-n-octyl phthalate
Concen: 46.831 ng
RT: 14.662 min Scan# 21
Delta R.T. -0.007 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:149 Resp: 874781

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	10.3	9.2	13.8

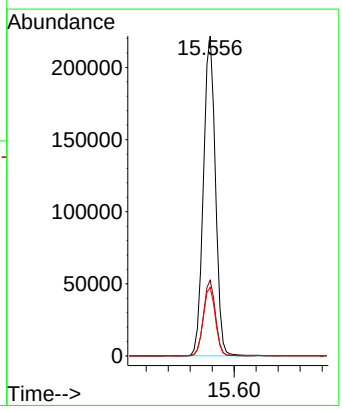


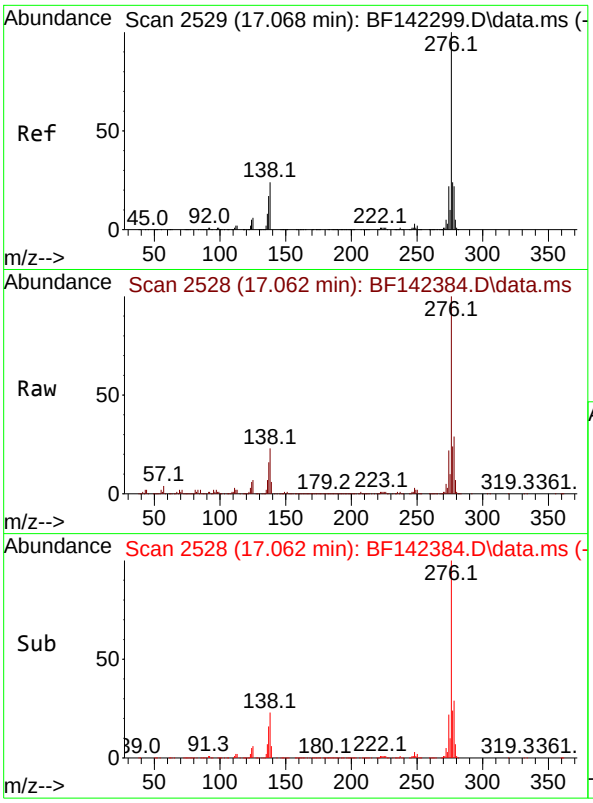


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.556 min Scan# 2272
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:264 Resp: 334801

Ion	Ratio	Lower	Upper
264	100		
260	23.6	18.6	27.8
265	21.4	17.5	26.3



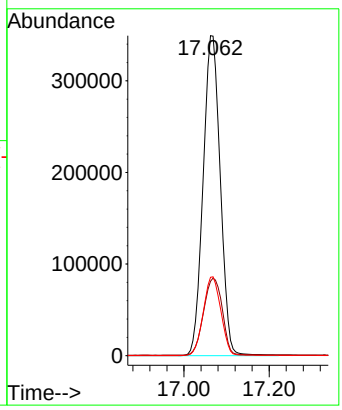


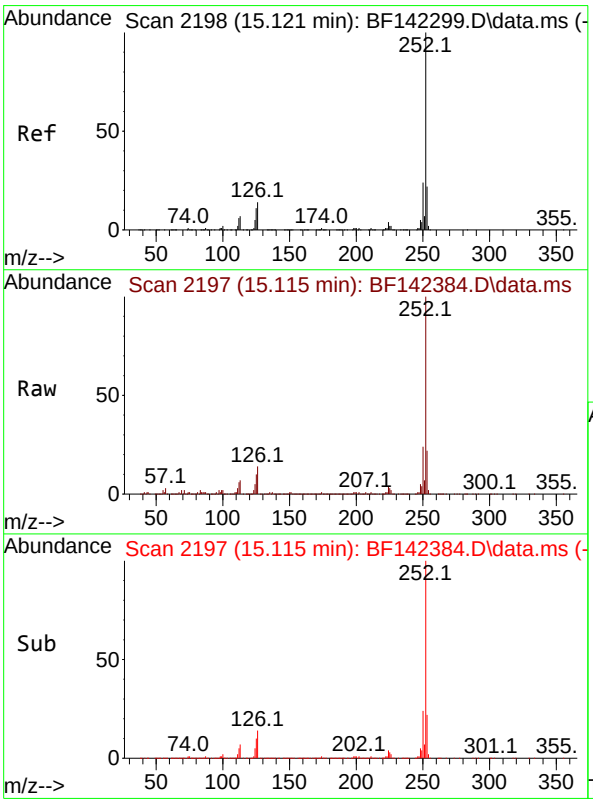
#87
Indeno(1,2,3-cd)pyrene
Concen: 41.956 ng
RT: 17.062 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:276 Resp: 977143

Ion	Ratio	Lower	Upper
276	100		
138	26.1	22.0	33.0
277	25.1	20.1	30.1

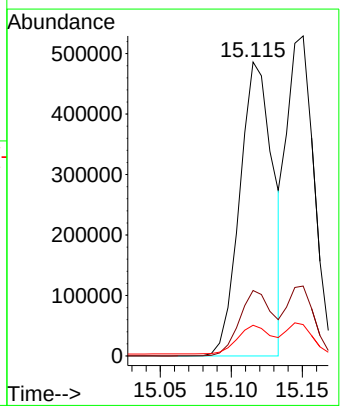


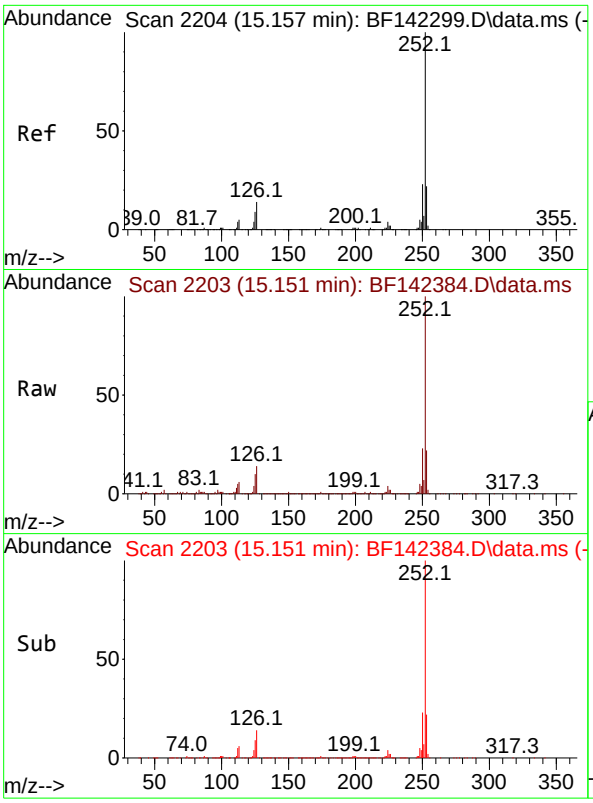


#88
Benzo(b)fluoranthene
Concen: 38.990 ng
RT: 15.115 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:252 Resp: 790611

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	10.5	8.7	13.1



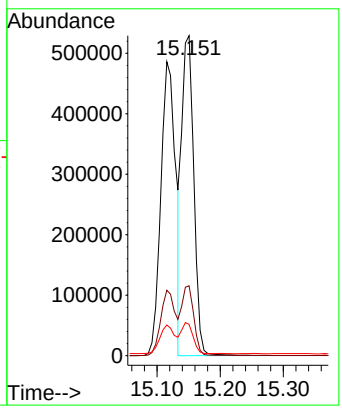


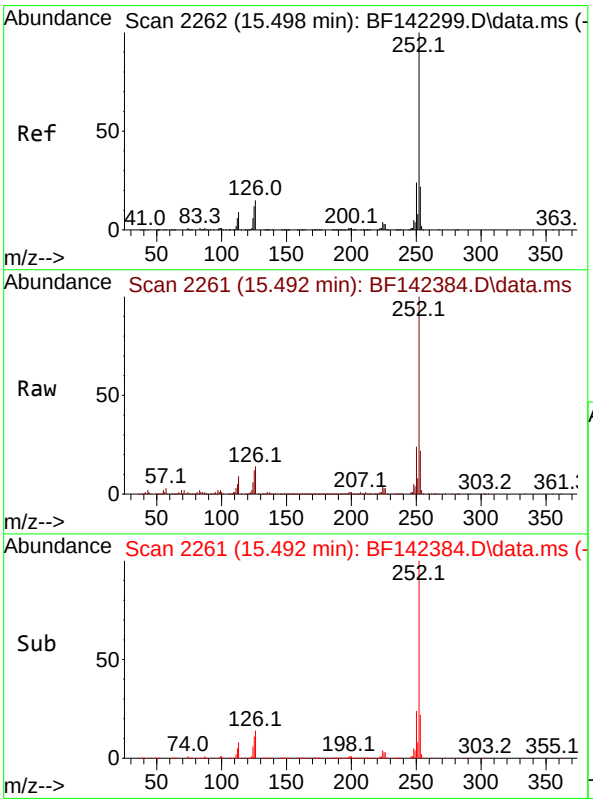
#89
Benzo(k)fluoranthene
Concen: 38.028 ng
RT: 15.151 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:252 Resp: 705674

Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.6	26.4
125	9.8	8.1	12.1

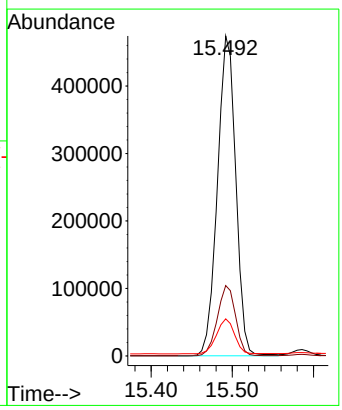


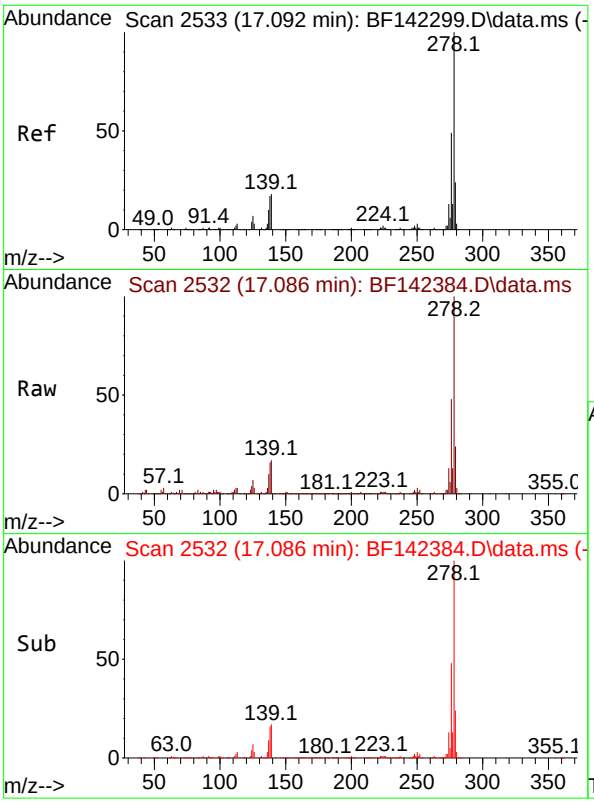


#90
Benzo(a)pyrene
Concen: 40.961 ng
RT: 15.492 min Scan# 2261
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:252 Resp: 744294

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.8	26.6
125	11.6	9.4	14.0



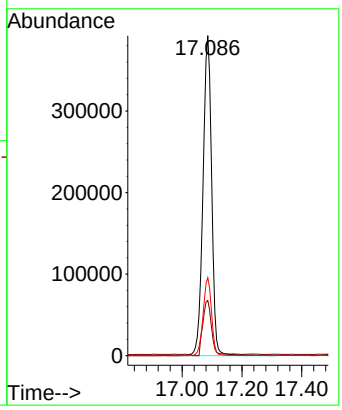


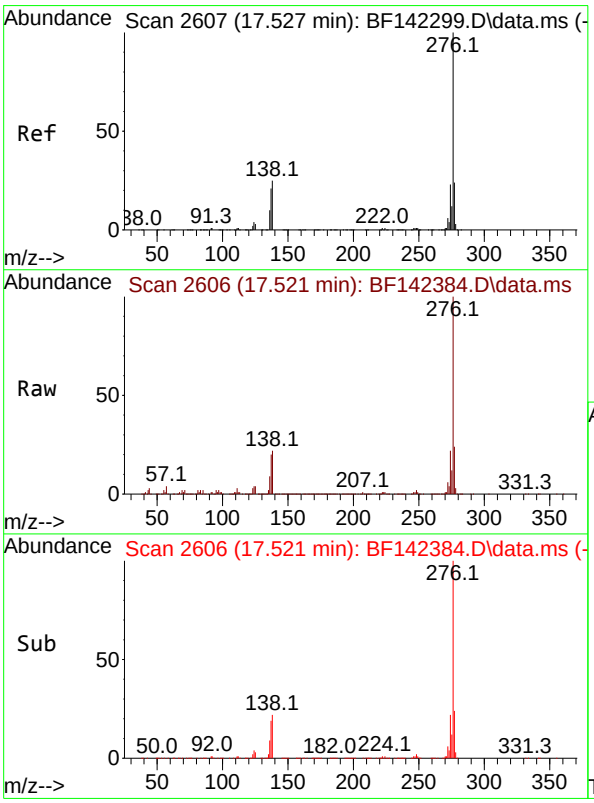
#91
Dibenzo(a,h)anthracene
Concen: 41.131 ng
RT: 17.086 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:278 Resp: 791409

Ion	Ratio	Lower	Upper
278	100		
139	17.2	14.5	21.7
279	24.4	18.9	28.3

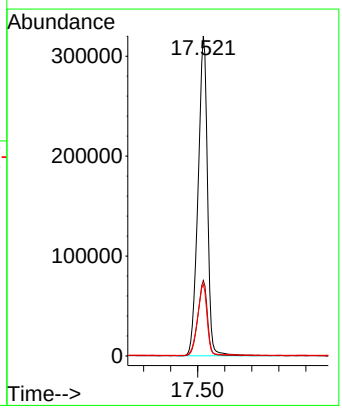




#92
Benzo(g,h,i)perylene
Concen: 40.669 ng
RT: 17.521 min Scan# 2606
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Tgt Ion:276 Resp: 776651

Ion	Ratio	Lower	Upper
276	100		
277	23.6	19.0	28.6
138	22.3	19.8	29.6



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142386.D
Acq On : 15 May 2025 11:06
Operator : RC/JU
Sample : PB167951BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Quant Time: May 15 12:17:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	183759	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	709461	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	390383	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	683655	20.000	ng	0.00
76) Chrysene-d12	14.069	240	358537	20.000	ng	0.00
86) Perylene-d12	15.557	264	373046	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.528	112	1284437	119.321	ng	0.02
7) Phenol-d6	6.528	99	1553880	117.366	ng	0.00
23) Nitrobenzene-d5	7.469	82	948826	81.564	ng	0.00
42) 2,4,6-Tribromophenol	10.733	330	536451	142.330	ng	0.00
45) 2-Fluorobiphenyl	9.263	172	1960008	71.589	ng	0.00
79) Terphenyl-d14	13.016	244	1921973	79.343	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.787	88	154852	31.945	ng	98
3) Pyridine	3.534	79	419284	36.841	ng	99
4) n-Nitrosodimethylamine	3.487	42	256246	38.740	ng	99
6) Aniline	6.569	93	561568	43.244	ng	98
8) 2-Chlorophenol	6.687	128	512971	44.594	ng	98
9) Benzaldehyde	6.451	77	303883	39.217	ng	100
10) Phenol	6.545	94	624910	44.528	ng	94
11) bis(2-Chloroethyl)ether	6.640	93	480788	34.740	ng	99
12) 1,3-Dichlorobenzene	6.845	146	534851	40.642	ng	98
13) 1,4-Dichlorobenzene	6.922	146	537927	40.711	ng	99
14) 1,2-Dichlorobenzene	7.075	146	523399	41.268	ng	99
15) Benzyl Alcohol	7.040	79	411059	47.948	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.175	45	801766	38.795	ng	99
17) 2-Methylphenol	7.151	107	400813	43.038	ng	99
18) Hexachloroethane	7.416	117	185824	42.268	ng	99
19) n-Nitroso-di-n-propyla...	7.316	70	337716	41.238	ng	99
20) 3+4-Methylphenols	7.304	107	497423	42.797	ng	92
22) Acetophenone	7.310	105	649406	41.168	ng	94
24) Nitrobenzene	7.487	77	492634	44.925	ng	97
25) Isophorone	7.722	82	924519	41.969	ng	100
26) 2-Nitrophenol	7.798	139	268958	50.641	ng	99
27) 2,4-Dimethylphenol	7.834	122	491276	44.357	ng	100
28) bis(2-Chloroethoxy)met...	7.934	93	581272	41.036	ng	100
29) 2,4-Dichlorophenol	8.040	162	438536	46.573	ng	99
30) 1,2,4-Trichlorobenzene	8.128	180	456485	43.077	ng	99
31) Naphthalene	8.210	128	1435630	41.752	ng	100
32) Benzoic acid	7.957	122	327035	53.296	ng	99
33) 4-Chloroaniline	8.257	127	85243	6.076	ng	98
34) Hexachlorobutadiene	8.322	225	273992	43.664	ng	99
35) Caprolactam	8.622	113	71850	26.182	ng	95
36) 4-Chloro-3-methylphenol	8.734	107	464569	47.463	ng	99
37) 2-Methylnaphthalene	8.898	142	901910	42.213	ng	99
38) 1-Methylnaphthalene	8.998	142	935769	42.021	ng	100
40) 1,2,4,5-Tetrachloroben...	9.063	216	451848	41.442	ng	99
41) Hexachlorocyclopentadiene	9.051	237	607941	90.221	ng	99
43) 2,4,6-Trichlorophenol	9.175	196	327505	47.621	ng	99

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142386.D
Acq On : 15 May 2025 11:06
Operator : RC/JU
Sample : PB167951BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Quant Time: May 15 12:17:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	345379	47.199	ng		99
46) 1,1'-Biphenyl	9.363	154	1229160	41.065	ng		99
47) 2-Chloronaphthalene	9.386	162	916262	41.162	ng		100
48) 2-Nitroaniline	9.481	65	287593	50.405	ng		95
49) Acenaphthylene	9.804	152	1563555	41.988	ng		99
50) Dimethylphthalate	9.663	163	1114509	44.460	ng		100
51) 2,6-Dinitrotoluene	9.722	165	251258	53.548	ng		91
52) Acenaphthene	9.975	154	1053599	47.056	ng		99
53) 3-Nitroaniline	9.892	138	148171	26.925	ng		94
54) 2,4-Dinitrophenol	9.998	184	299083	117.829	ng	#	1
55) Dibenzofuran	10.151	168	1371115	41.493	ng		100
56) 4-Nitrophenol	10.051	139	464288	112.100	ng		97
57) 2,4-Dinitrotoluene	10.128	165	347454	57.728	ng		95
58) Fluorene	10.492	166	1051263	41.687	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	305641	50.597	ng		97
60) Diethylphthalate	10.363	149	1107155	44.226	ng		100
61) 4-Chlorophenyl-phenyle...	10.481	204	518059	42.581	ng		99
62) 4-Nitroaniline	10.510	138	255090	58.486	ng		99
63) Azobenzene	10.645	77	986822	41.252	ng		98
65) 4,6-Dinitro-2-methylph...	10.533	198	182627	55.913	ng		98
66) n-Nitrosodiphenylamine	10.604	169	955633	42.007	ng		100
67) 4-Bromophenyl-phenylether	10.975	248	337616	43.574	ng		96
68) Hexachlorobenzene	11.039	284	375531	44.062	ng		95
69) Atrazine	11.128	200	293766	48.987	ng		99
70) Pentachlorophenol	11.233	266	471856	105.241	ng		97
71) Phenanthrene	11.457	178	1503753	41.963	ng		100
72) Anthracene	11.504	178	1524726	41.409	ng		100
73) Carbazole	11.657	167	1390787	42.101	ng		100
74) Di-n-butylphthalate	11.986	149	1588510	45.730	ng		100
75) Fluoranthene	12.639	202	1487674	41.530	ng		100
77) Benzidine	12.763	184	473065	72.605	ng		97
78) Pyrene	12.869	202	1474683	46.209	ng		100
80) Butylbenzylphthalate	13.486	149	449443	48.238	ng		100
81) Benzo(a)anthracene	14.057	228	1014145	43.677	ng		99
82) 3,3'-Dichlorobenzidine	14.021	252	206951	38.327	ng		99
83) Chrysene	14.092	228	939233	43.452	ng		98
84) Bis(2-ethylhexyl)phtha...	14.045	149	581894	47.979	ng		100
85) Di-n-octyl phthalate	14.663	149	1080903	49.196	ng		98
87) Indeno(1,2,3-cd)pyrene	17.068	276	1184117	45.630	ng		98
88) Benzo(b)fluoranthene	15.116	252	975513	43.176	ng		100
89) Benzo(k)fluoranthene	15.151	252	902489	43.649	ng		100
90) Benzo(a)pyrene	15.498	252	932498	46.057	ng		98
91) Dibenzo(a,h)anthracene	17.086	278	974032	45.433	ng		98
92) Benzo(g,h,i)perylene	17.527	276	943811	44.356	ng		97

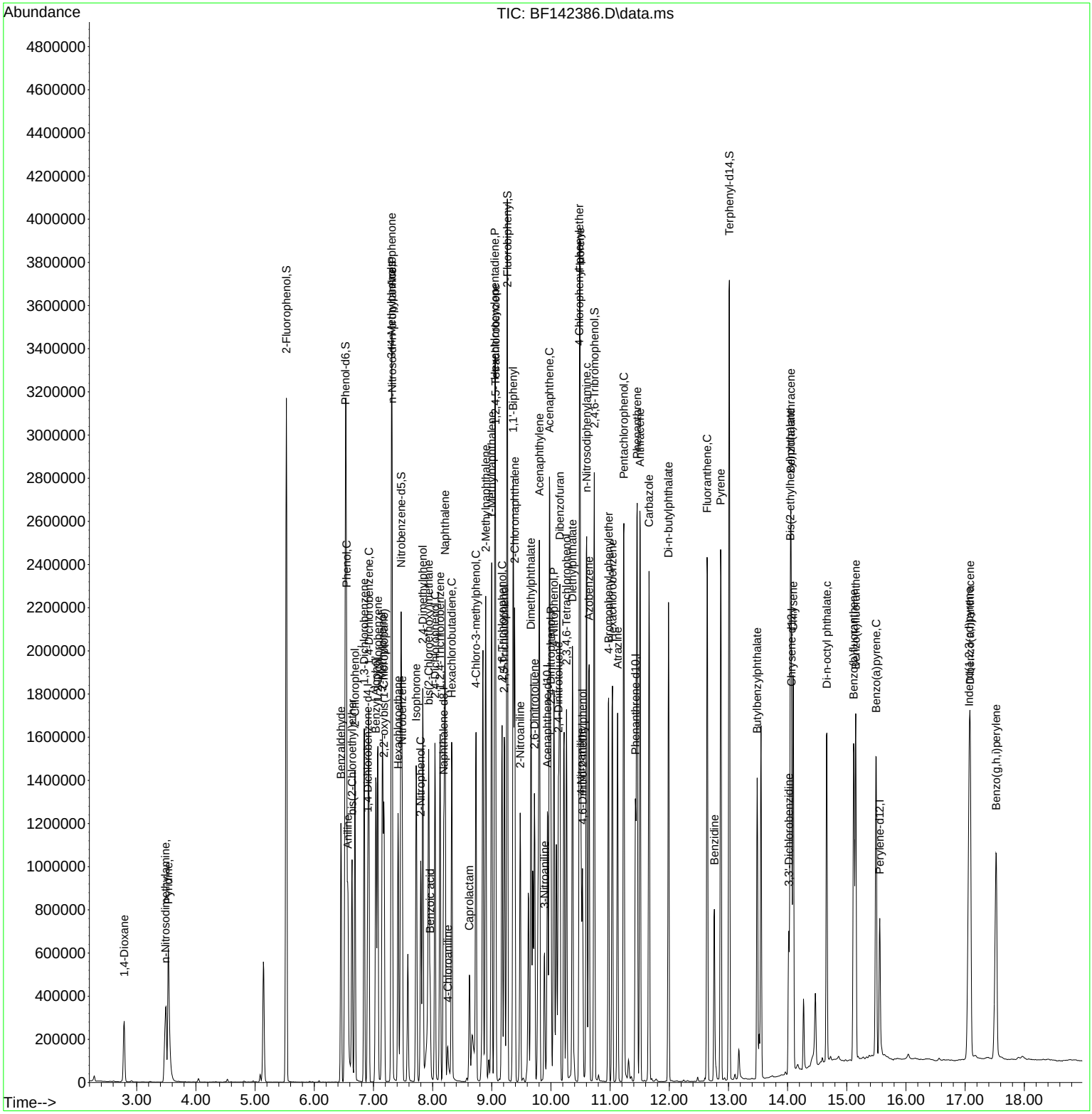
(#) = qualifier out of range (m) = manual integration (+) = signals summed

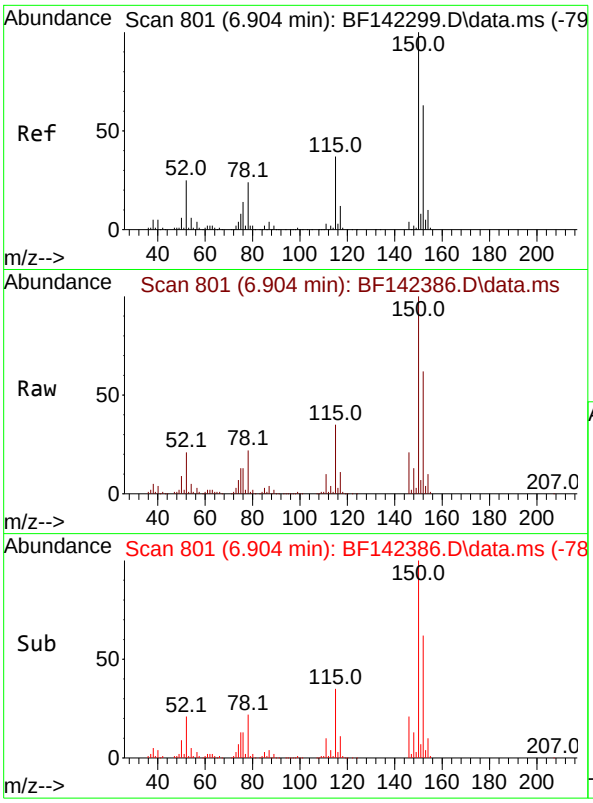
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142386.D
Acq On : 15 May 2025 11:06
Operator : RC/JU
Sample : PB167951BS
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Quant Time: May 15 12:17:49 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration



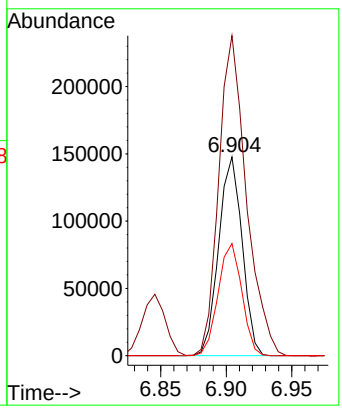


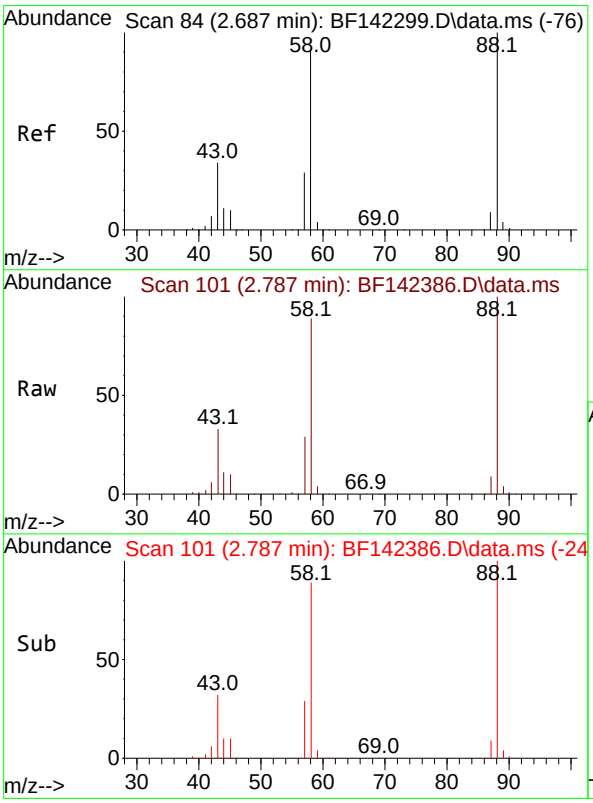
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:152 Resp: 183759

Ion	Ratio	Lower	Upper
152	100		
150	161.0	126.6	190.0
115	56.4	47.3	70.9

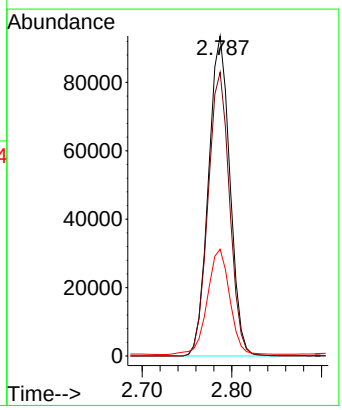


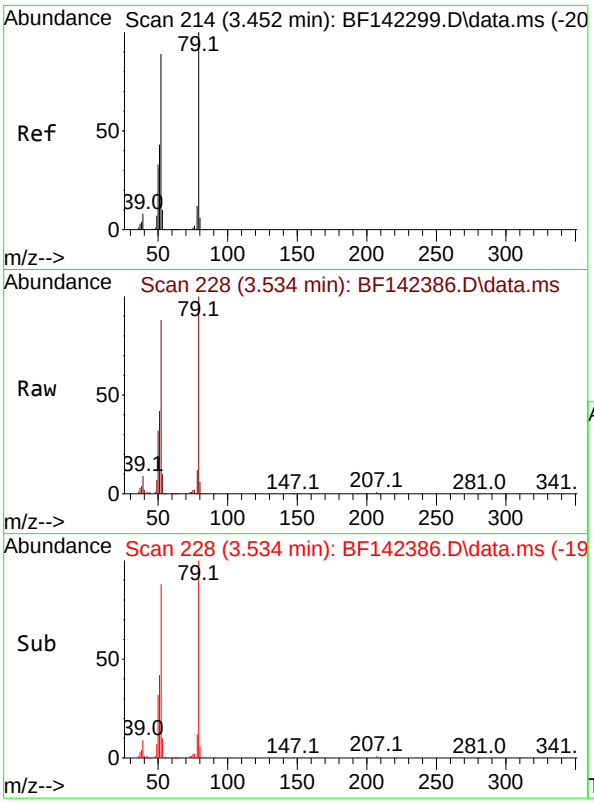


#2
1,4-Dioxane
Concen: 31.945 ng
RT: 2.787 min Scan# 101
Delta R.T. 0.100 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion: 88 Resp: 154852

Ion	Ratio	Lower	Upper
88	100		
58	88.9	73.0	109.4
43	34.5	27.8	41.6



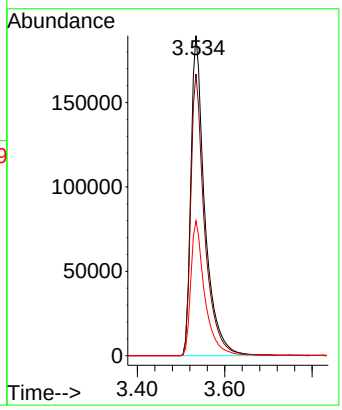


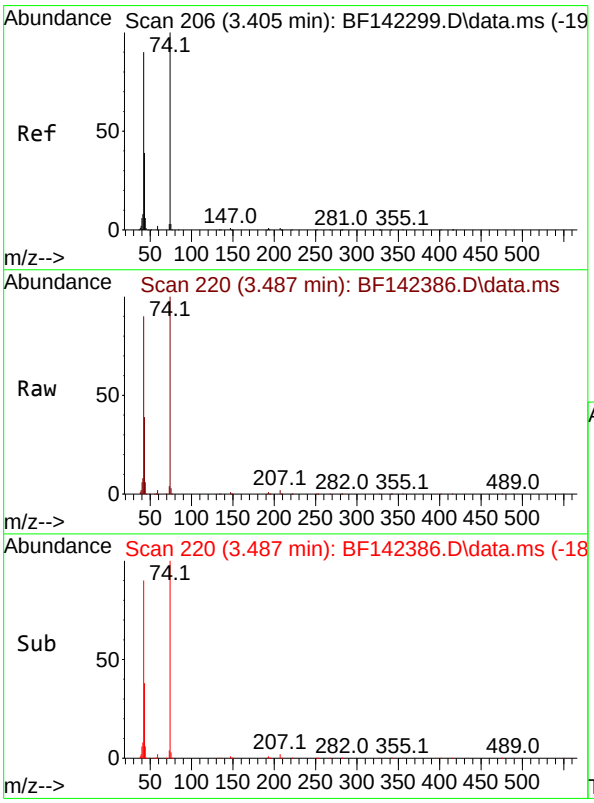
#3
Pyridine
Concen: 36.841 ng
RT: 3.534 min Scan# 2
Delta R.T. 0.082 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion: 79 Resp: 419284

Ion	Ratio	Lower	Upper
79	100		
52	88.0	71.0	106.4
51	42.1	34.9	52.3

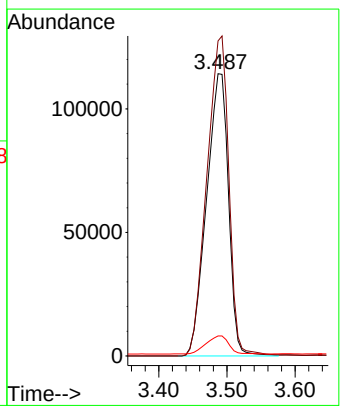


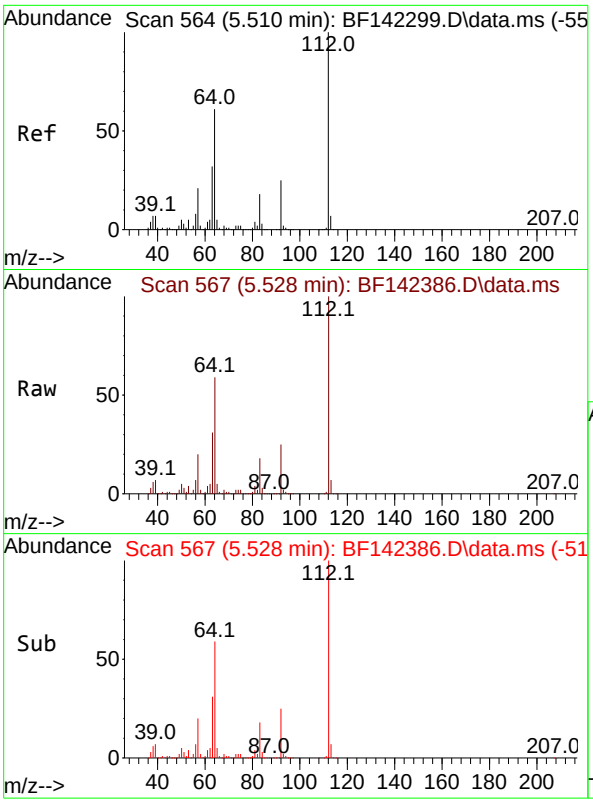


#4
n-Nitrosodimethylamine
Concen: 38.740 ng
RT: 3.487 min Scan# 220
Delta R.T. 0.082 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion: 42 Resp: 256246

Ion	Ratio	Lower	Upper
42	100		
74	111.6	88.5	132.7
44	7.1	5.8	8.8



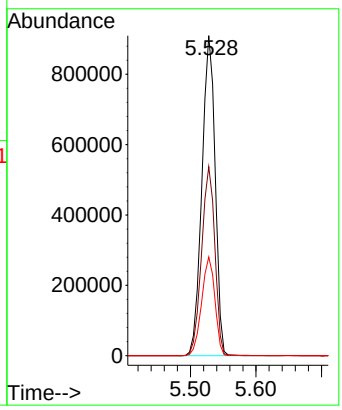


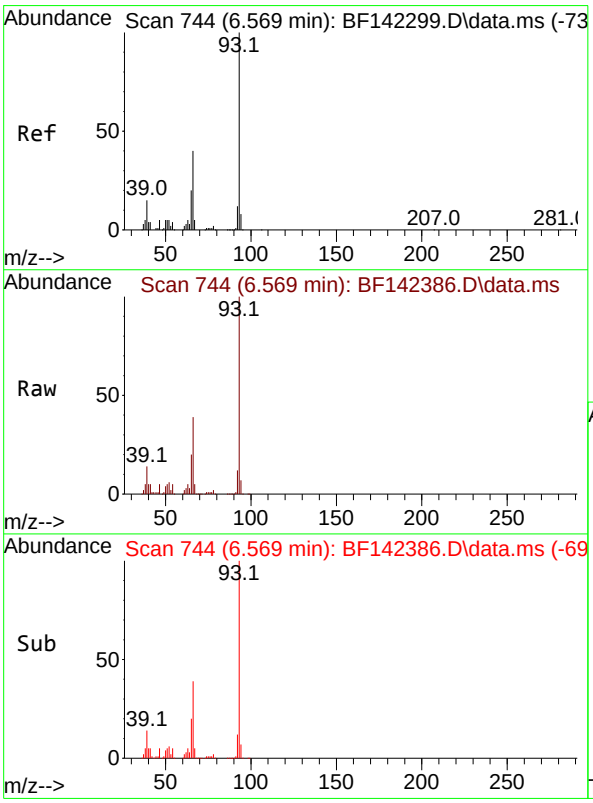
#5
2-Fluorophenol
Concen: 119.321 ng
RT: 5.528 min Scan# 5
Delta R.T. 0.018 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:112 Resp: 1284437

Ion	Ratio	Lower	Upper
112	100		
64	59.1	48.9	73.3
63	30.8	25.6	38.4

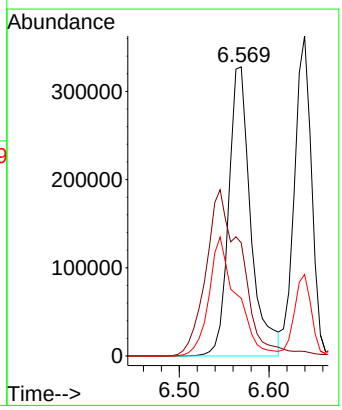


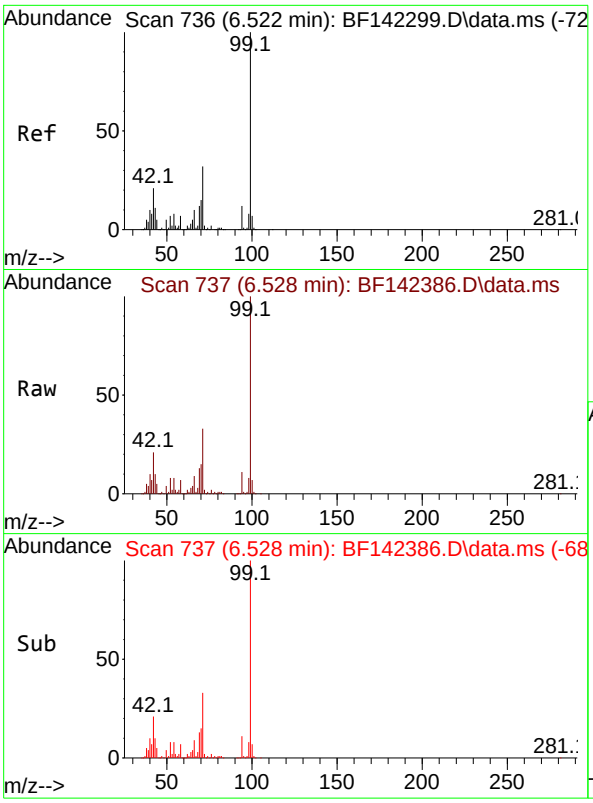


#6
Aniline
Concen: 43.244 ng
RT: 6.569 min Scan# 744
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion: 93 Resp: 561568

Ion	Ratio	Lower	Upper
93	100		
66	39.1	32.2	48.4
65	20.0	16.3	24.5



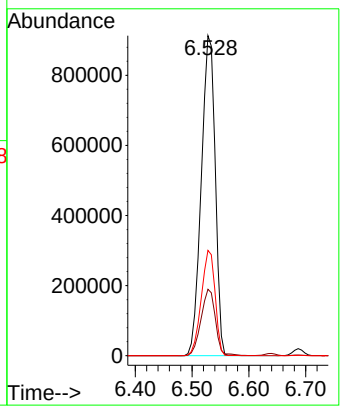


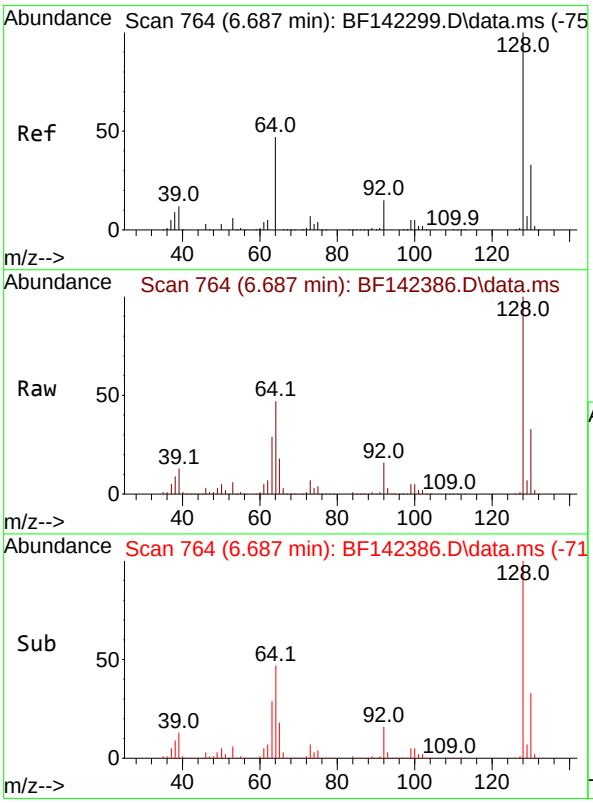
#7
Phenol-d6
Concen: 117.366 ng
RT: 6.528 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion: 99 Resp: 1553880

Ion	Ratio	Lower	Upper
99	100		
42	20.8	17.0	25.4
71	32.9	25.8	38.8

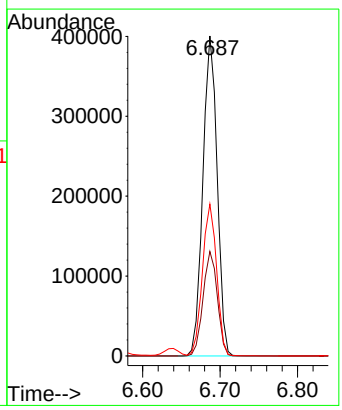


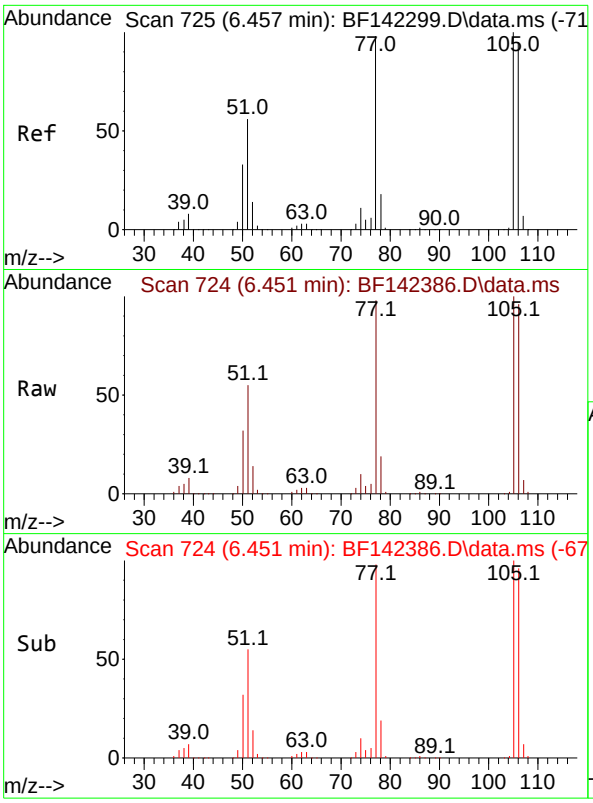


#8
2-Chlorophenol
Concen: 44.594 ng
RT: 6.687 min Scan# 764
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:128 Resp: 512971

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.7	52.7
64	47.5	29.2	69.2



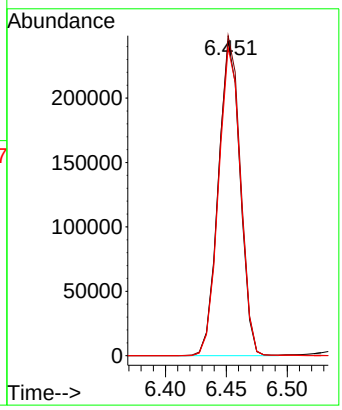


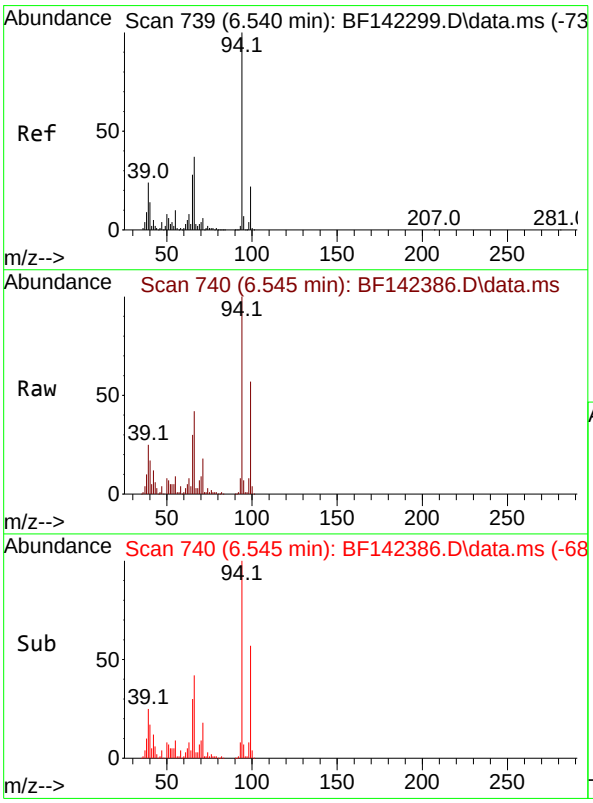
#9
Benzaldehyde
Concen: 39.217 ng
RT: 6.451 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion: 77 Resp: 303883

Ion	Ratio	Lower	Upper
77	100		
105	101.7	82.0	122.0
106	97.9	77.2	117.2

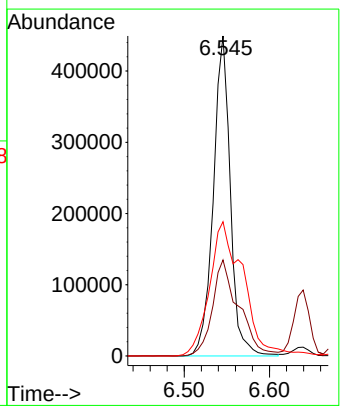


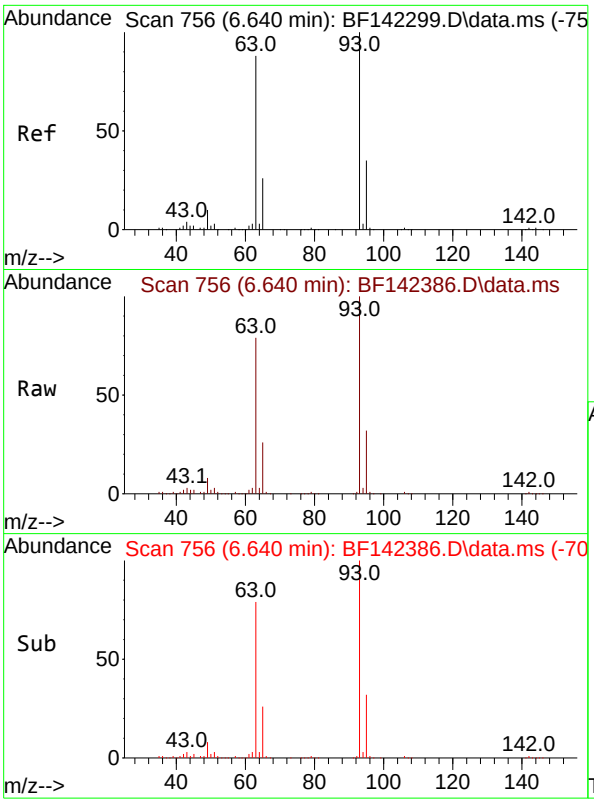


#10
Phenol
Concen: 44.528 ng
RT: 6.545 min Scan# 740
Delta R.T. 0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion: 94 Resp: 624910

Ion	Ratio	Lower	Upper
94	100		
65	30.0	8.5	48.5
66	42.0	17.3	57.3



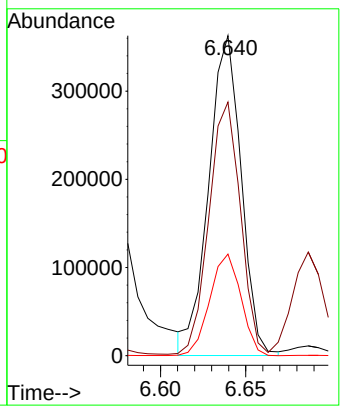


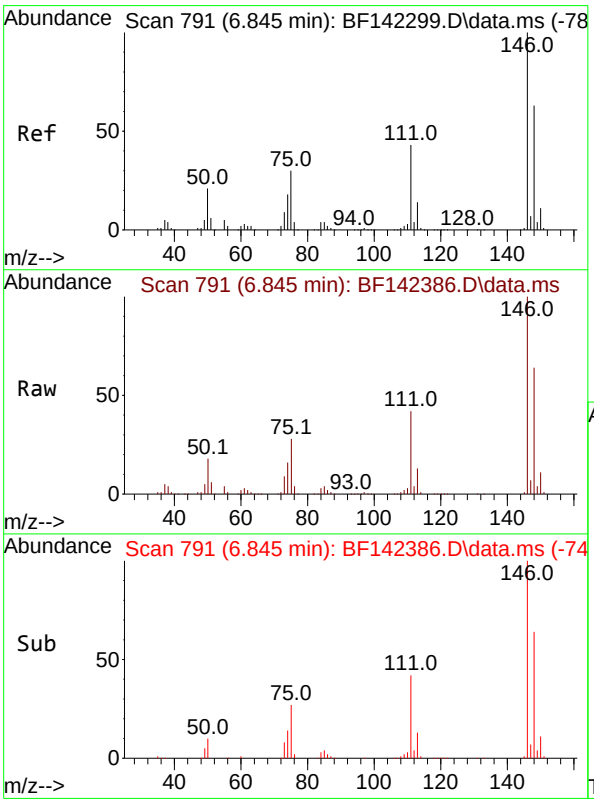
#11
bis(2-Chloroethyl)ether
Concen: 34.740 ng
RT: 6.640 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion: 93 Resp: 480788

Ion	Ratio	Lower	Upper
93	100		
63	79.3	58.4	98.4
95	31.8	10.6	50.6

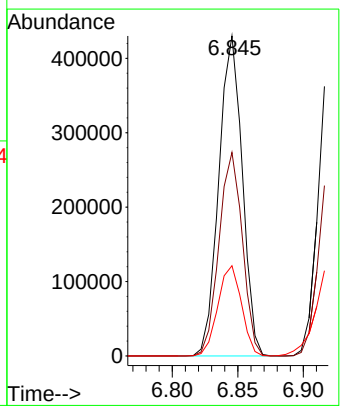


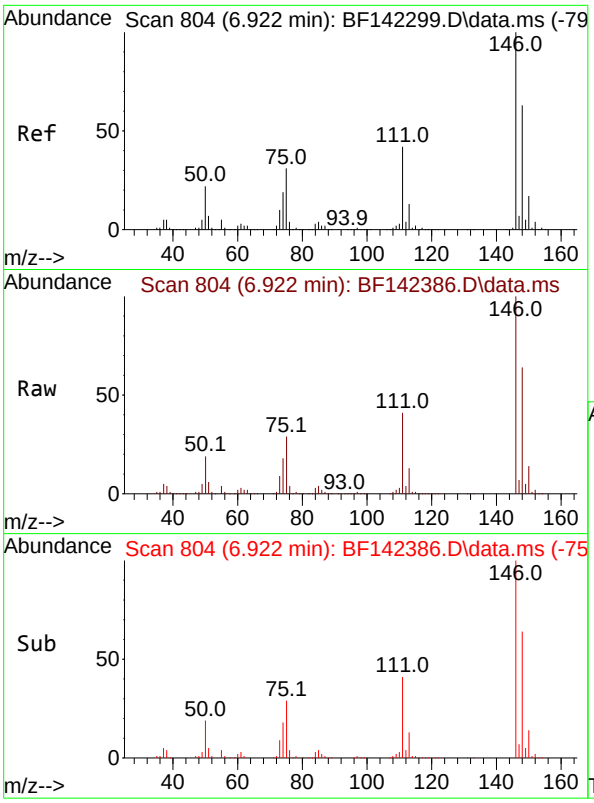


#12
1,3-Dichlorobenzene
Concen: 40.642 ng
RT: 6.845 min Scan# 791
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:146 Resp: 534851

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.6	76.0
75	28.2	24.2	36.4



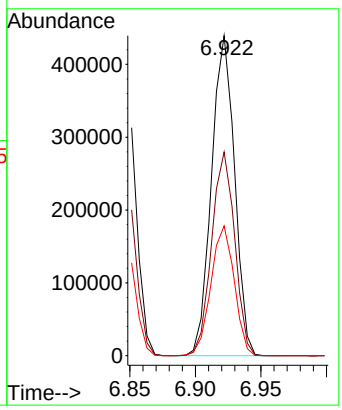


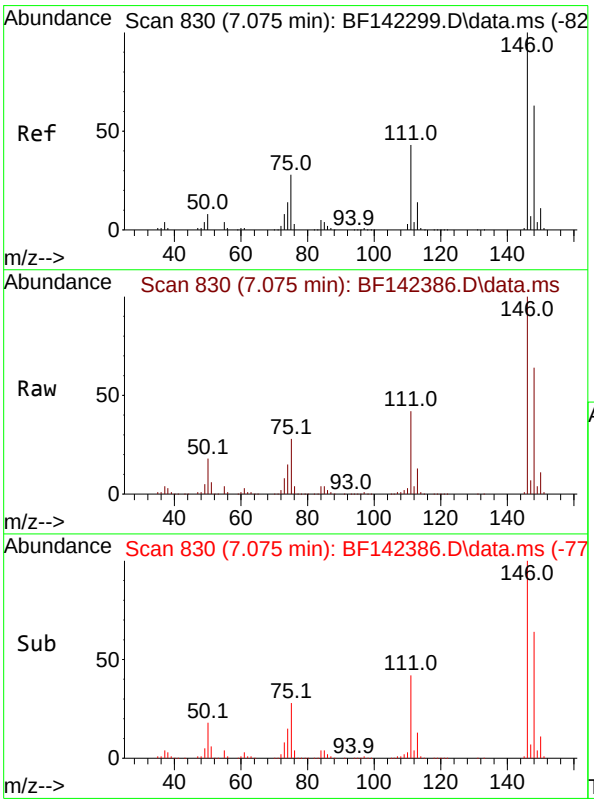
#13
1,4-Dichlorobenzene
Concen: 40.711 ng
RT: 6.922 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:146 Resp: 537927

Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.5	75.7
111	40.5	33.4	50.2

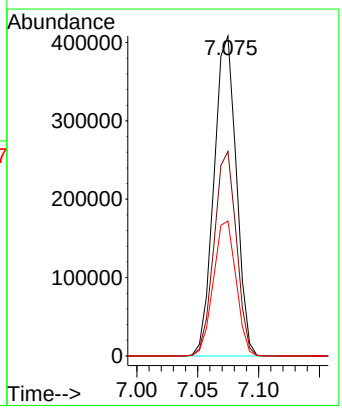


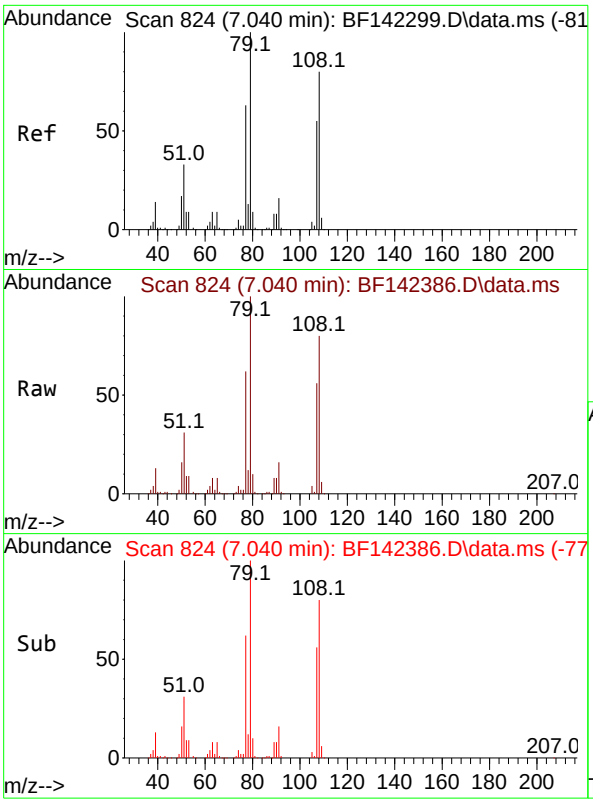


#14
1,2-Dichlorobenzene
Concen: 41.268 ng
RT: 7.075 min Scan# 830
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:146 Resp: 523399

Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.3	75.5
111	42.2	34.5	51.7



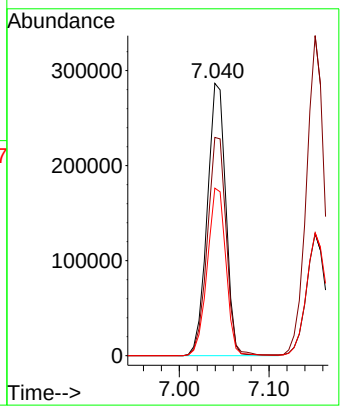


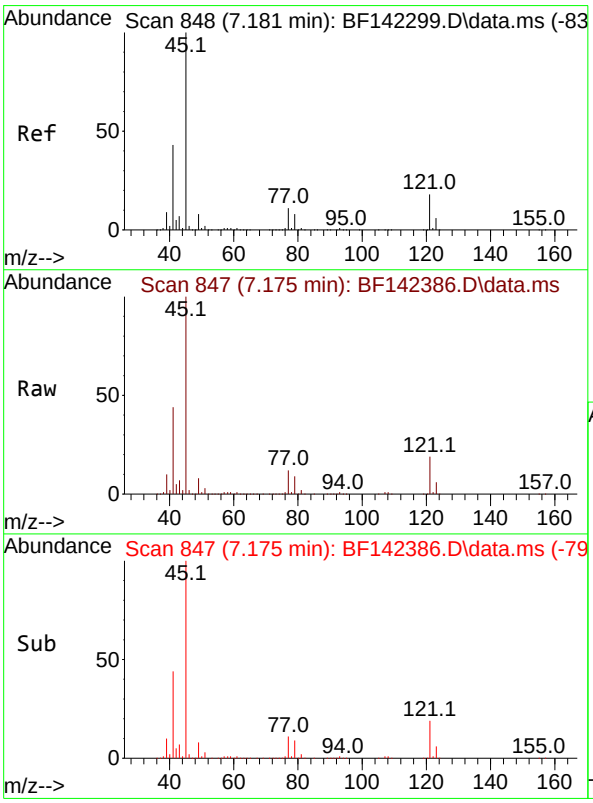
#15
Benzyl Alcohol
Concen: 47.948 ng
RT: 7.040 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion: 79 Resp: 411059

Ion	Ratio	Lower	Upper
79	100		
108	80.1	63.9	95.9
77	61.5	50.7	76.1

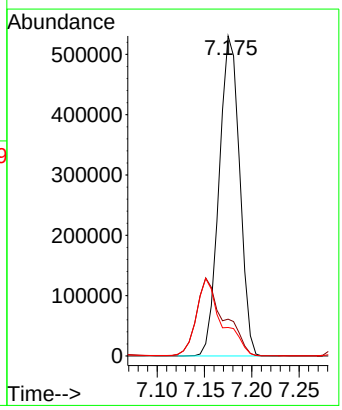


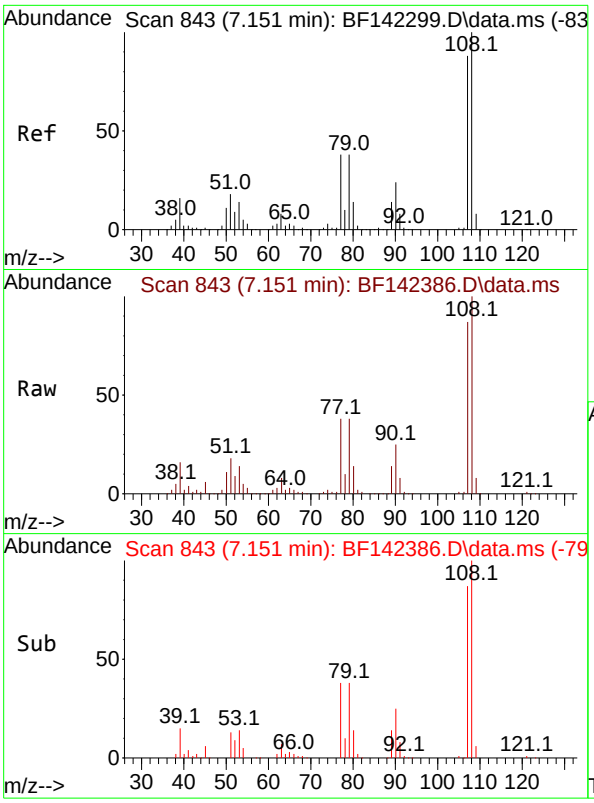


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.795 ng
RT: 7.175 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion: 45 Resp: 801766

Ion	Ratio	Lower	Upper
45	100		
77	11.5	0.0	31.2
79	8.9	0.0	28.5



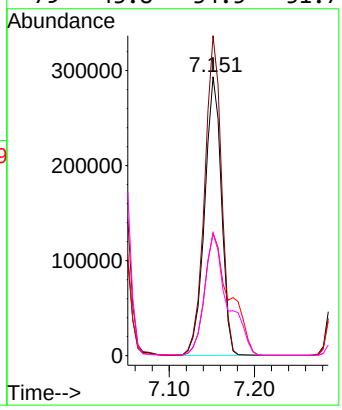


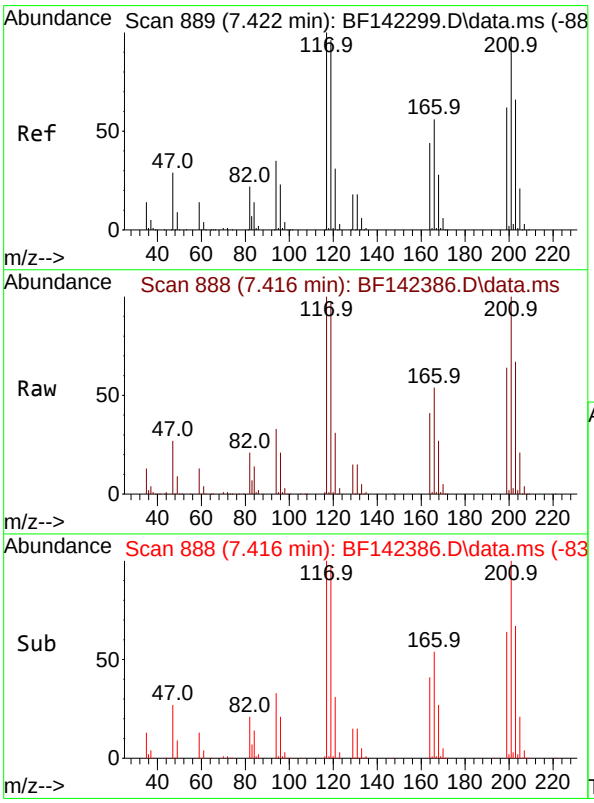
#17
2-Methylphenol
Concen: 43.038 ng
RT: 7.151 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:107 Resp: 400813

Ion	Ratio	Lower	Upper
107	100		
108	114.8	91.1	136.7
77	44.1	34.7	52.1
79	43.8	34.5	51.7

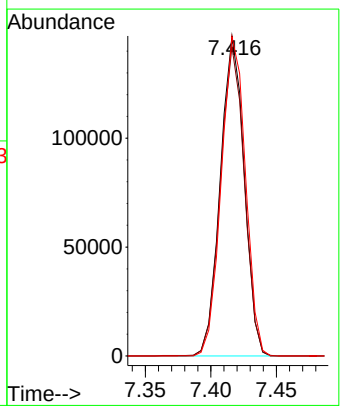


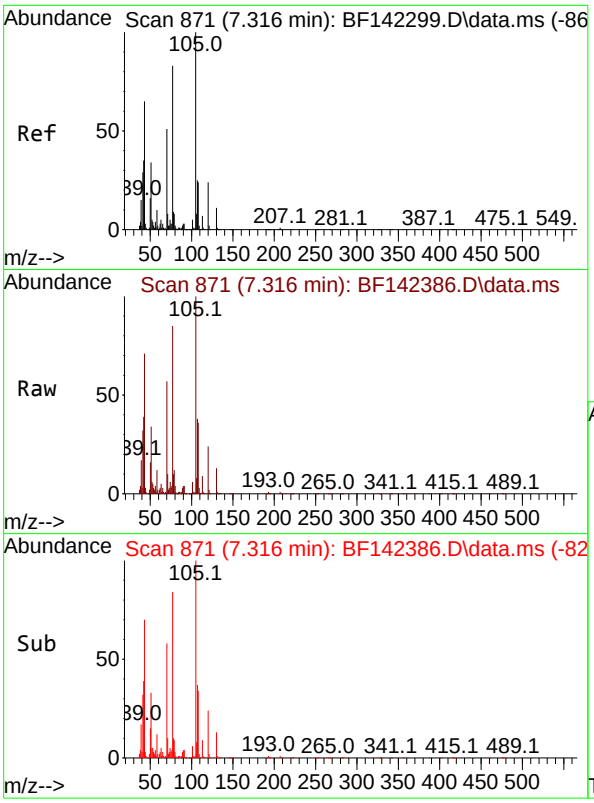


#18
Hexachloroethane
Concen: 42.268 ng
RT: 7.416 min Scan# 888
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:117 Resp: 185824

Ion	Ratio	Lower	Upper
117	100		
119	96.6	76.9	115.3
201	99.8	78.0	117.0



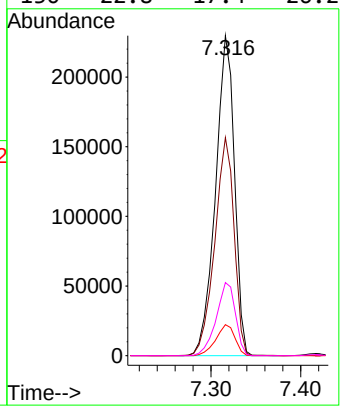


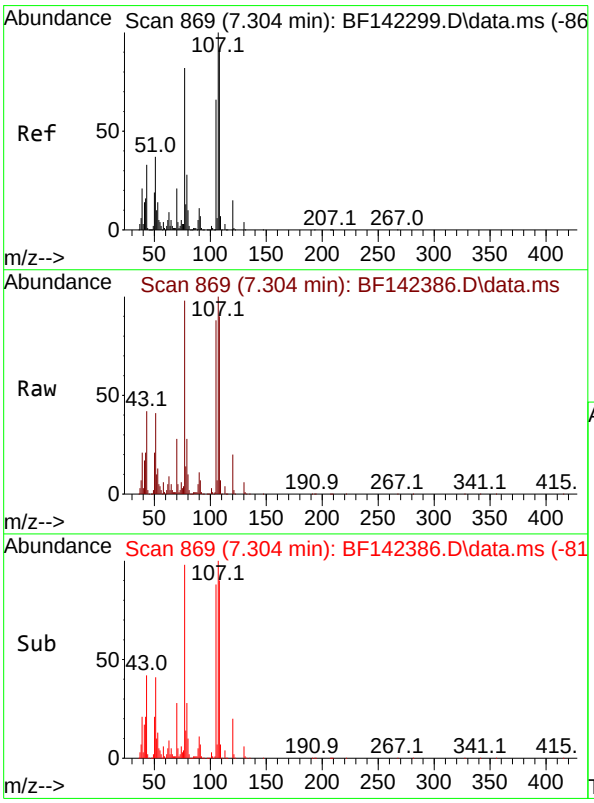
#19
n-Nitroso-di-n-propylamine
Concen: 41.238 ng
RT: 7.316 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion: 70 Resp: 337716

Ion	Ratio	Lower	Upper
70	100		
42	68.2	54.8	82.2
101	9.7	7.7	11.5
130	22.8	17.4	26.2

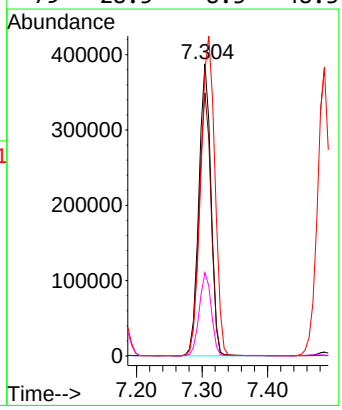


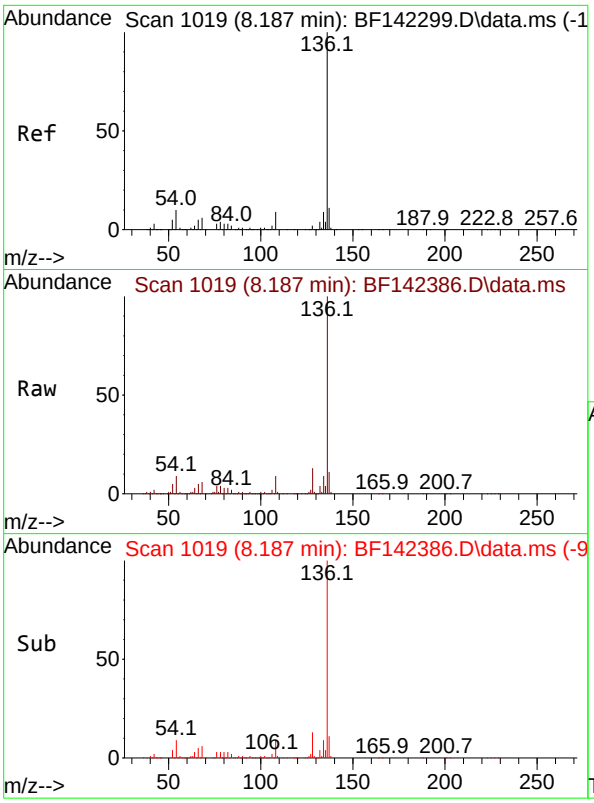


#20
3+4-Methylphenols
Concen: 42.797 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:107 Resp: 497423

Ion	Ratio	Lower	Upper
107	100		
108	90.1	71.5	111.5
77	97.6	61.6	101.6
79	28.5	8.3	48.3



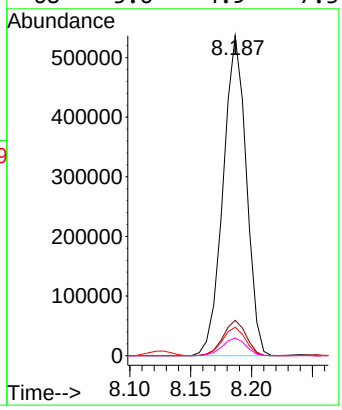


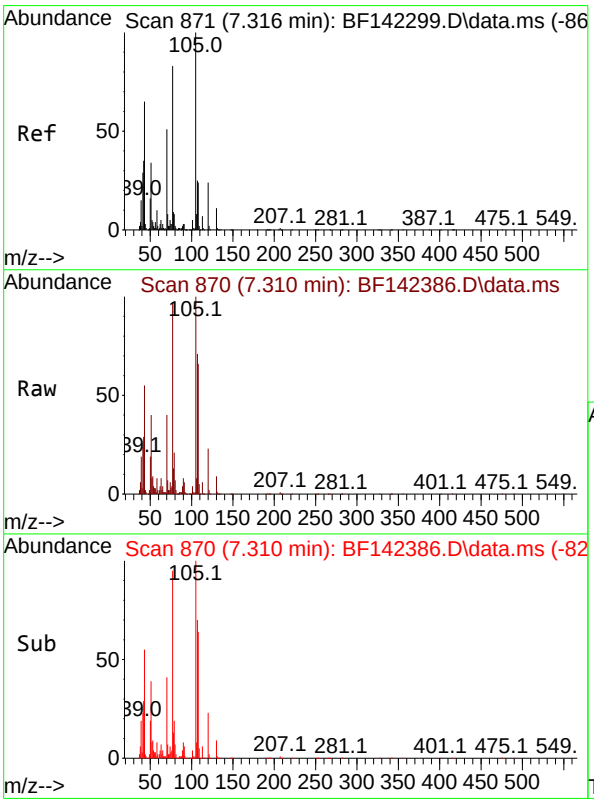
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:136 Resp: 709461

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	8.9	7.7	11.5
68	5.6	4.9	7.3

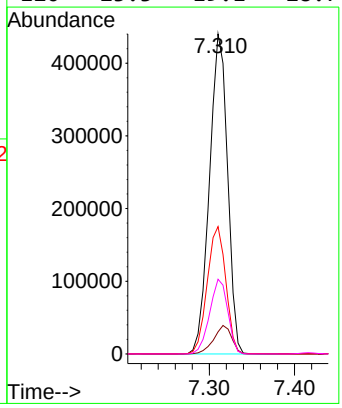


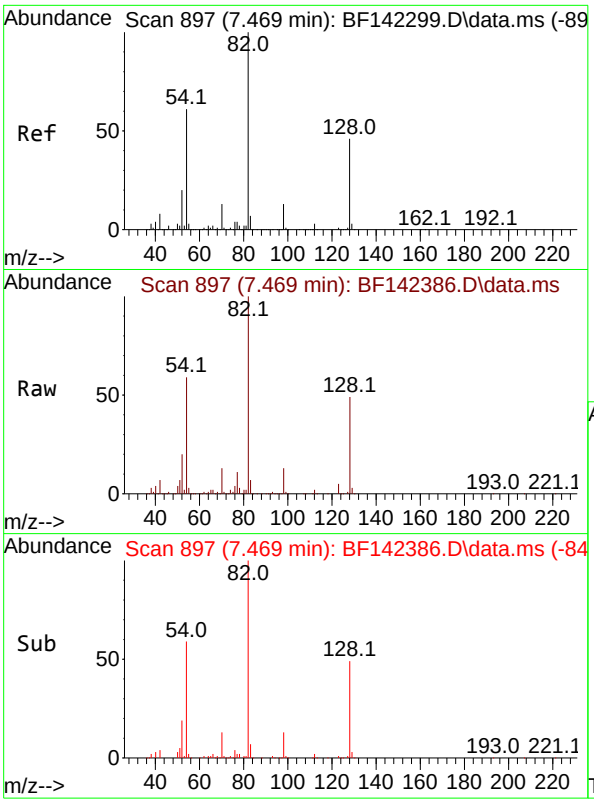


#22
Acetophenone
Concen: 41.168 ng
RT: 7.310 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:105 Resp: 649406

Ion	Ratio	Lower	Upper
105	100		
71	6.9	6.7	10.1
51	39.8	27.6	41.4
120	23.3	19.1	28.7



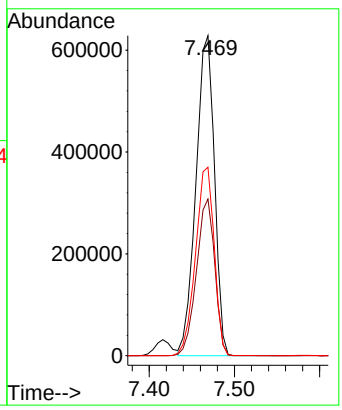


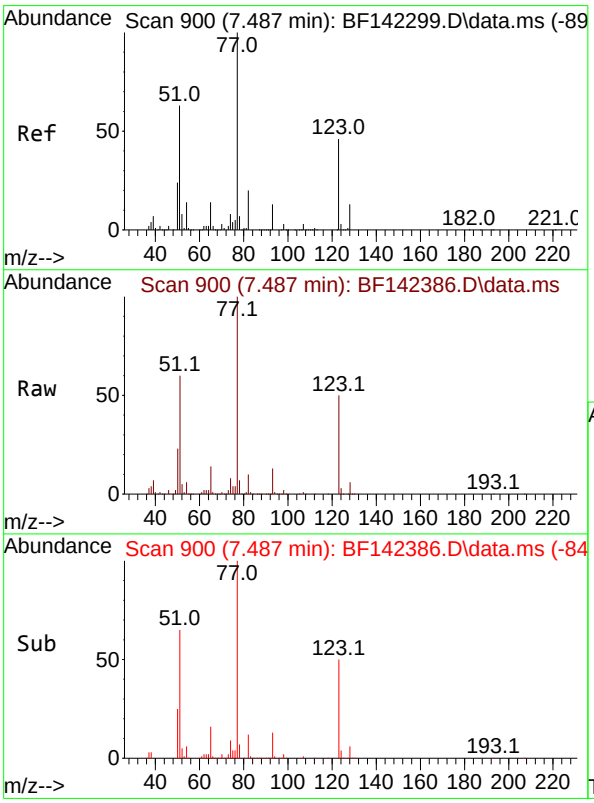
#23
Nitrobenzene-d5
Concen: 81.564 ng
RT: 7.469 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion: 82 Resp: 948826

Ion	Ratio	Lower	Upper
82	100		
128	48.9	37.0	55.6
54	58.9	48.6	73.0

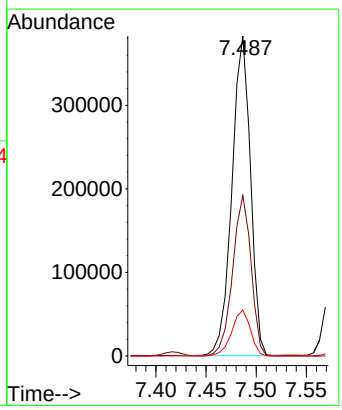


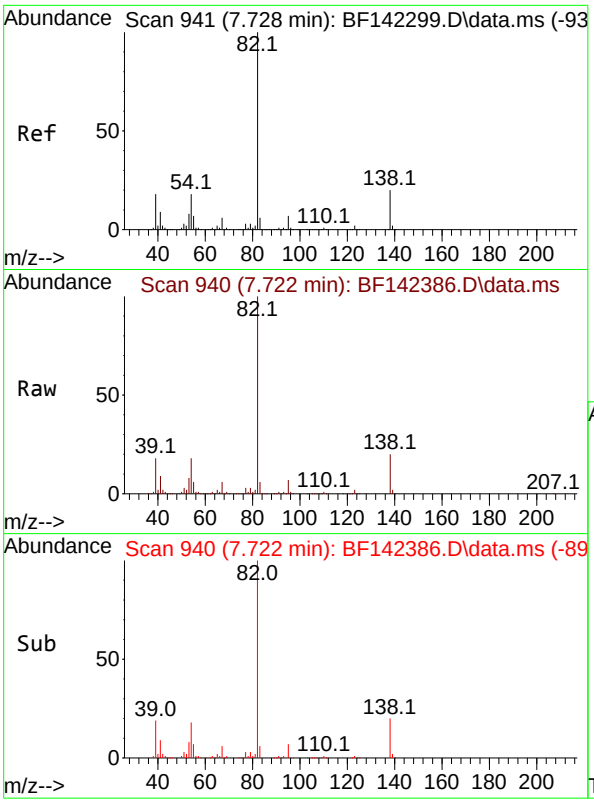


#24
Nitrobenzene
Concen: 44.925 ng
RT: 7.487 min Scan# 900
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion: 77 Resp: 492634

Ion	Ratio	Lower	Upper
77	100		
123	50.1	37.8	56.8
65	14.4	11.4	17.0



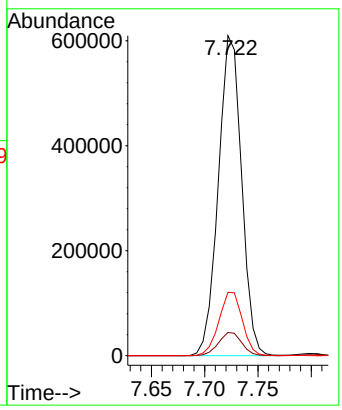


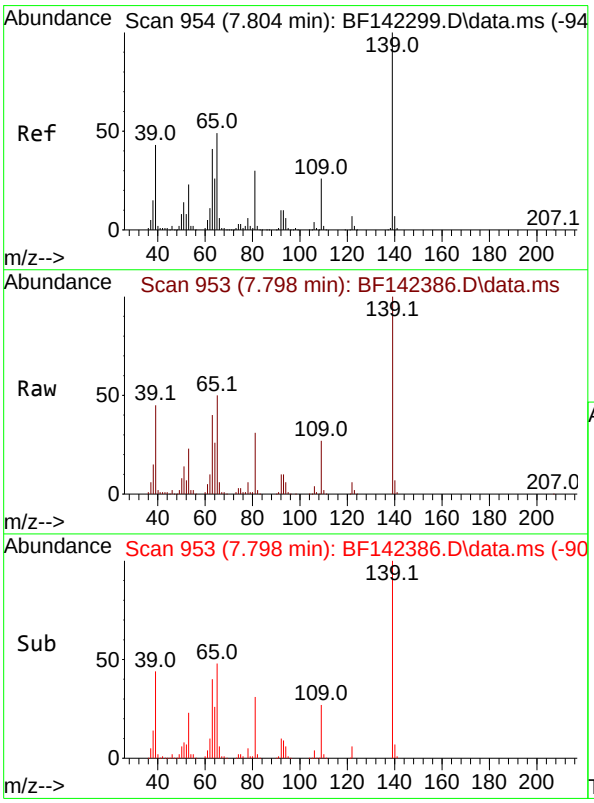
#25
Isophorone
Concen: 41.969 ng
RT: 7.722 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion: 82 Resp: 924519

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.8	8.8
138	19.8	16.1	24.1

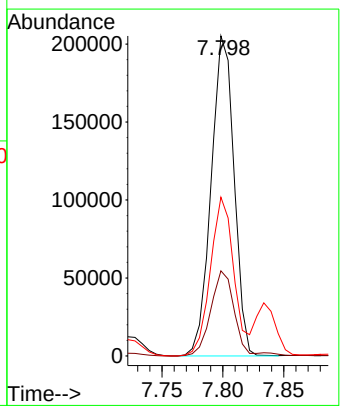


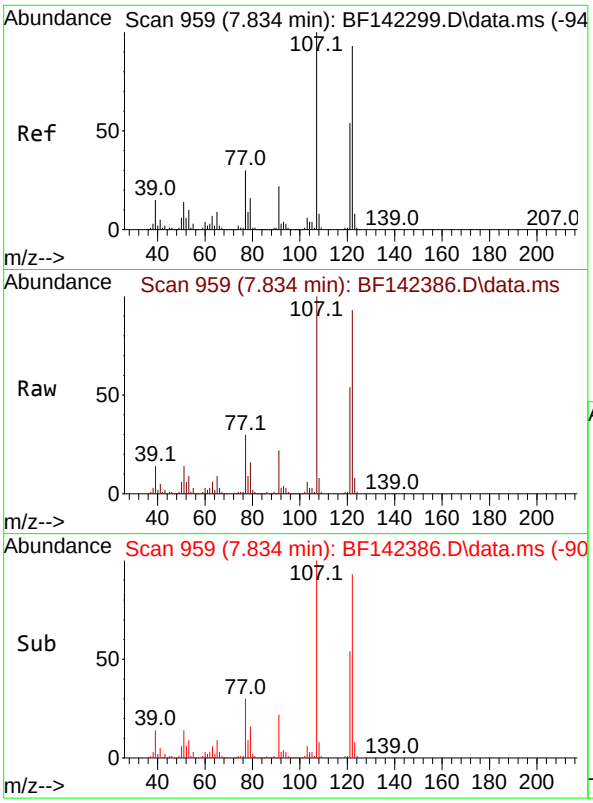


#26
2-Nitrophenol
Concen: 50.641 ng
RT: 7.798 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:139 Resp: 268958

Ion	Ratio	Lower	Upper
139	100		
109	26.6	20.8	31.2
65	49.6	38.9	58.3



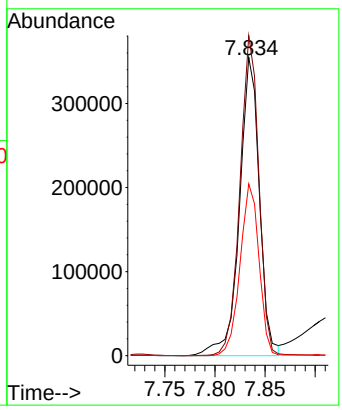


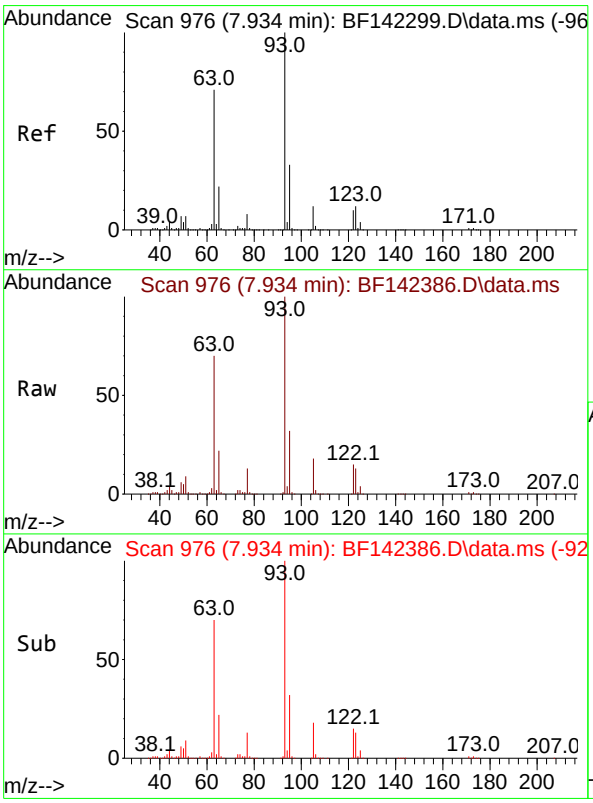
#27
2,4-Dimethylphenol
Concen: 44.357 ng
RT: 7.834 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:122 Resp: 491276

Ion	Ratio	Lower	Upper
122	100		
107	107.3	86.0	129.0
121	57.7	46.2	69.4

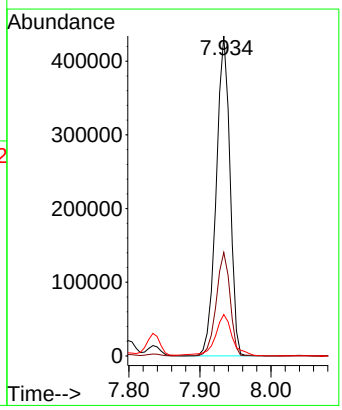


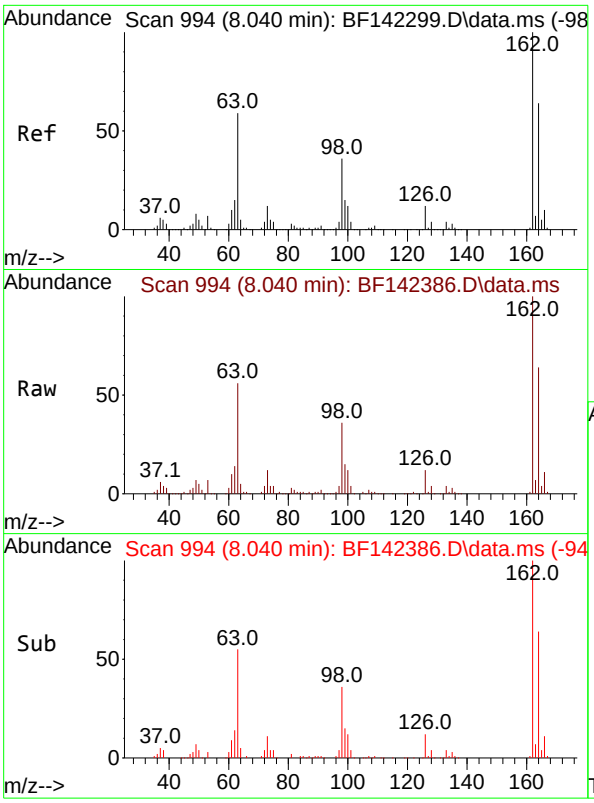


#28
bis(2-Chloroethoxy)methane
Concen: 41.036 ng
RT: 7.934 min Scan# 976
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion: 93 Resp: 581272

Ion	Ratio	Lower	Upper
93	100		
95	32.4	26.1	39.1
123	12.9	10.2	15.4



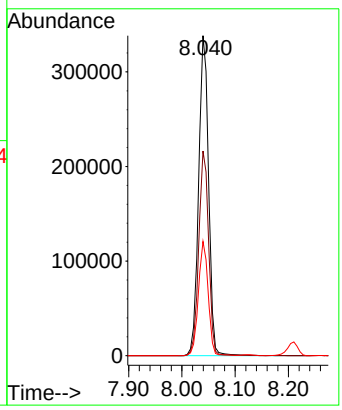


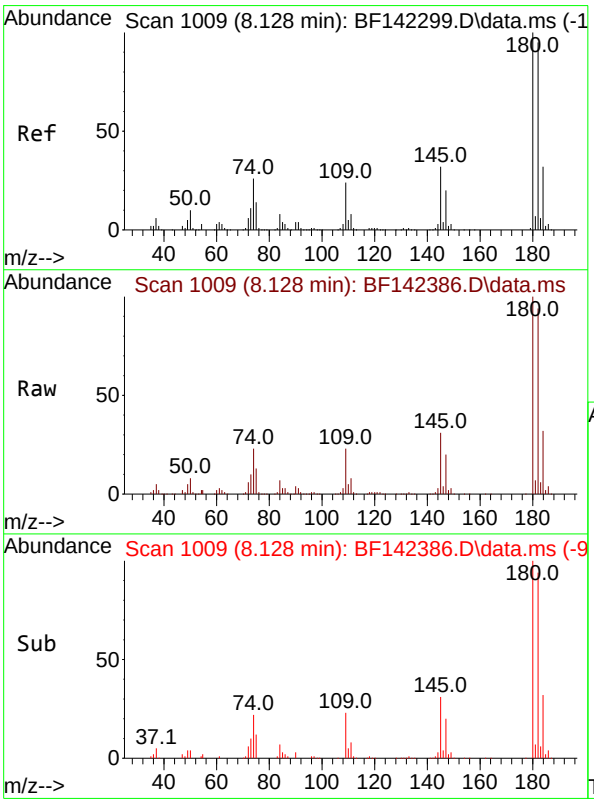
#29
2,4-Dichlorophenol
Concen: 46.573 ng
RT: 8.040 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:162 Resp: 438536

Ion	Ratio	Lower	Upper
162	100		
164	64.0	43.6	83.6
98	35.7	16.5	56.5

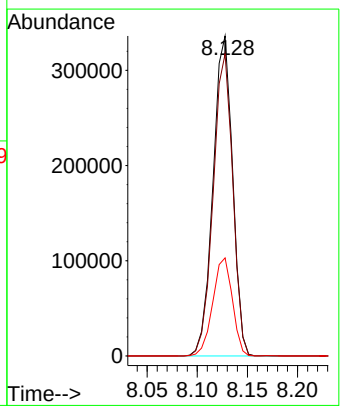


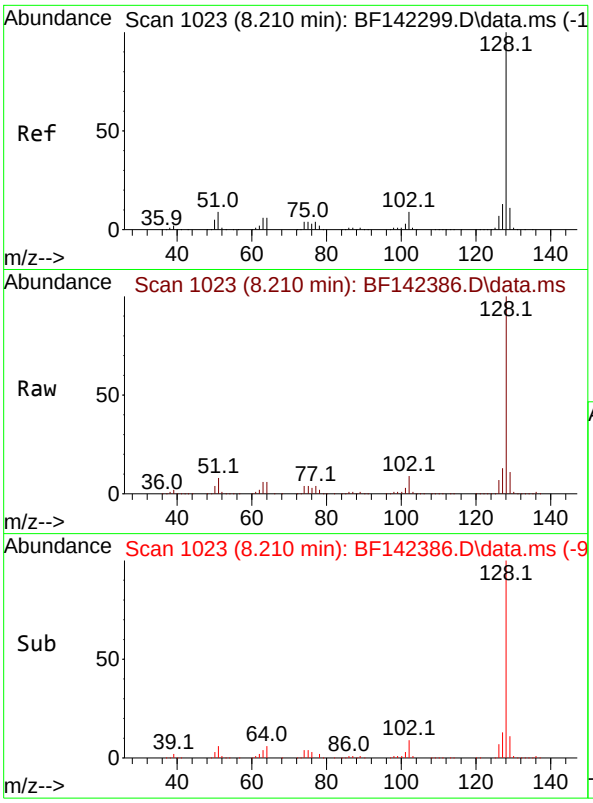


#30
1,2,4-Trichlorobenzene
Concen: 43.077 ng
RT: 8.128 min Scan# 1009
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:180 Resp: 456485

Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.2	114.4
145	30.7	25.8	38.6



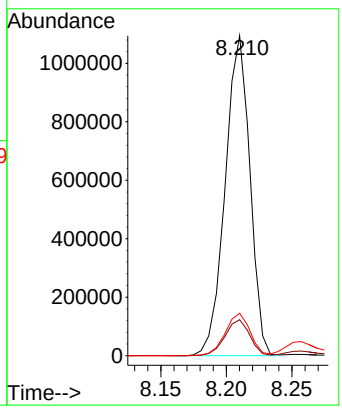


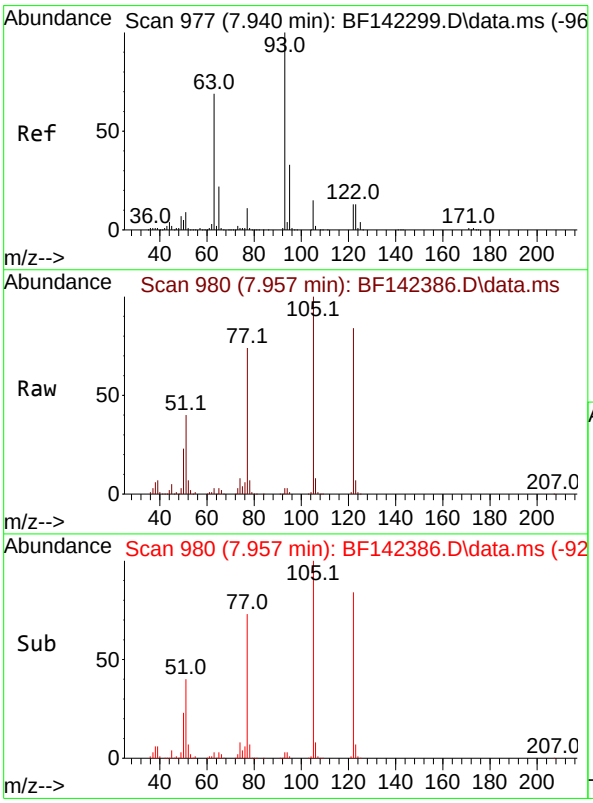
#31
Naphthalene
Concen: 41.752 ng
RT: 8.210 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:128 Resp: 1435630

Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.1	13.7
127	13.3	10.5	15.7

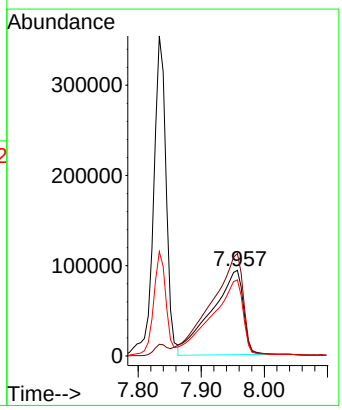


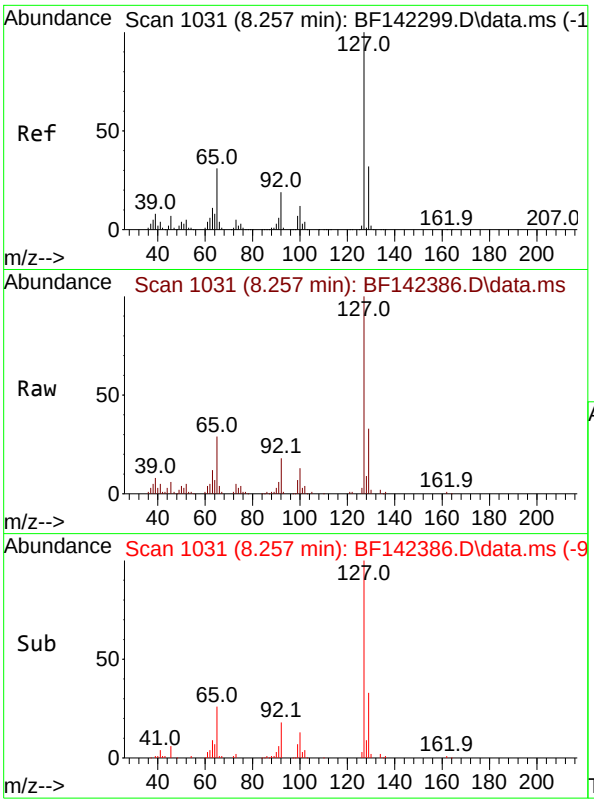


#32
Benzoic acid
Concen: 53.296 ng
RT: 7.957 min Scan# 980
Delta R.T. 0.017 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:122 Resp: 327035

Ion	Ratio	Lower	Upper
122	100		
105	119.7	97.9	137.9
77	88.8	67.7	107.7



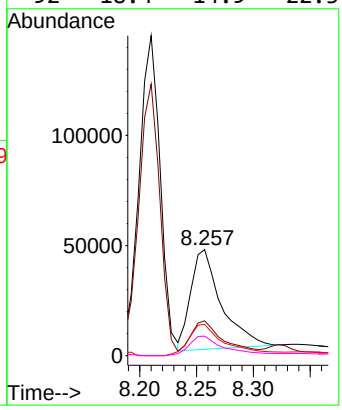


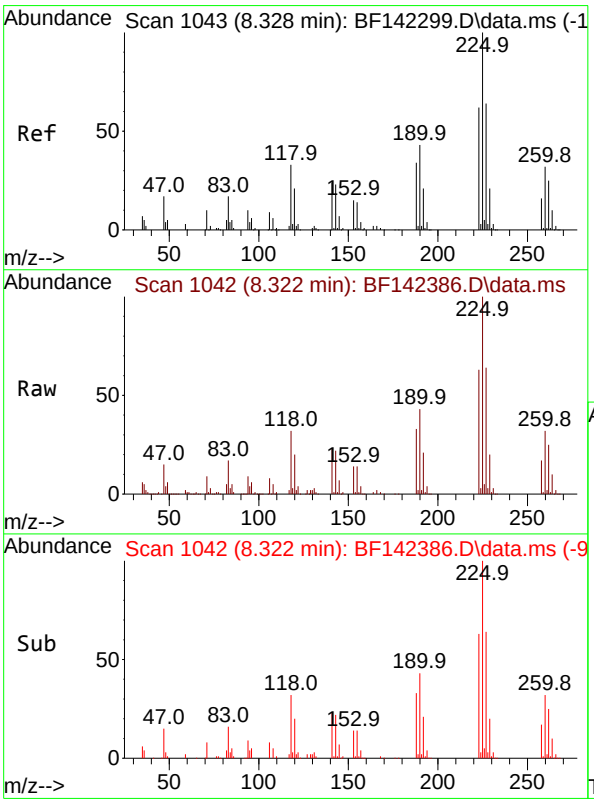
#33
4-Chloroaniline
Concen: 6.076 ng
RT: 8.257 min Scan# 1
Delta R.T. -0.010 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:127 Resp: 85243

Ion	Ratio	Lower	Upper
127	100		
129	32.8	25.7	38.5
65	29.4	24.9	37.3
92	18.4	14.9	22.3

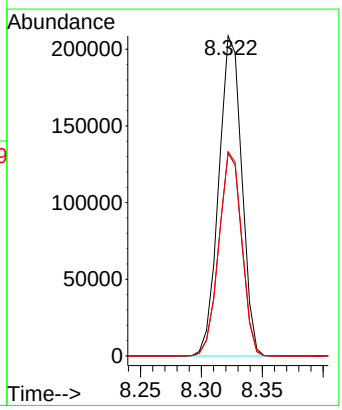


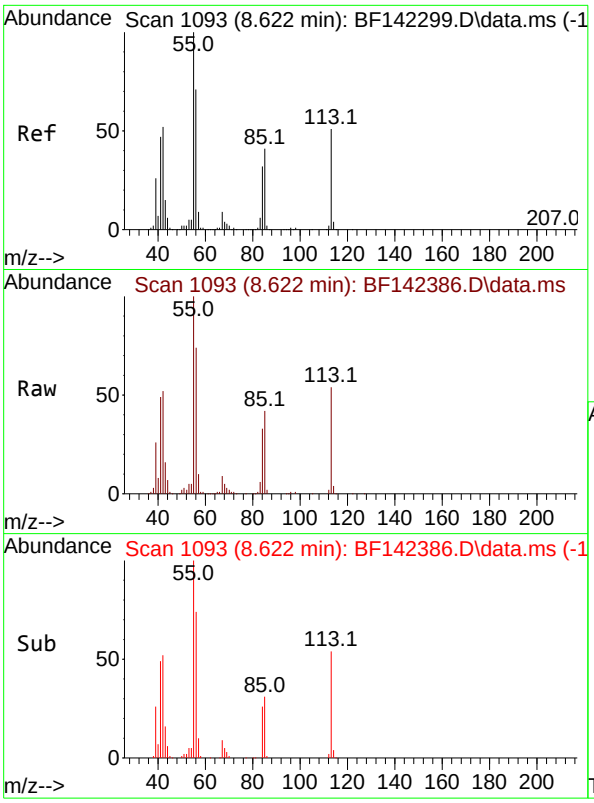


#34
Hexachlorobutadiene
Concen: 43.664 ng
RT: 8.322 min Scan# 1042
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:225 Resp: 273992

Ion	Ratio	Lower	Upper
225	100		
223	63.4	49.8	74.6
227	63.8	50.9	76.3



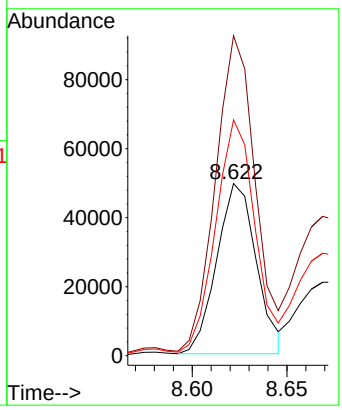


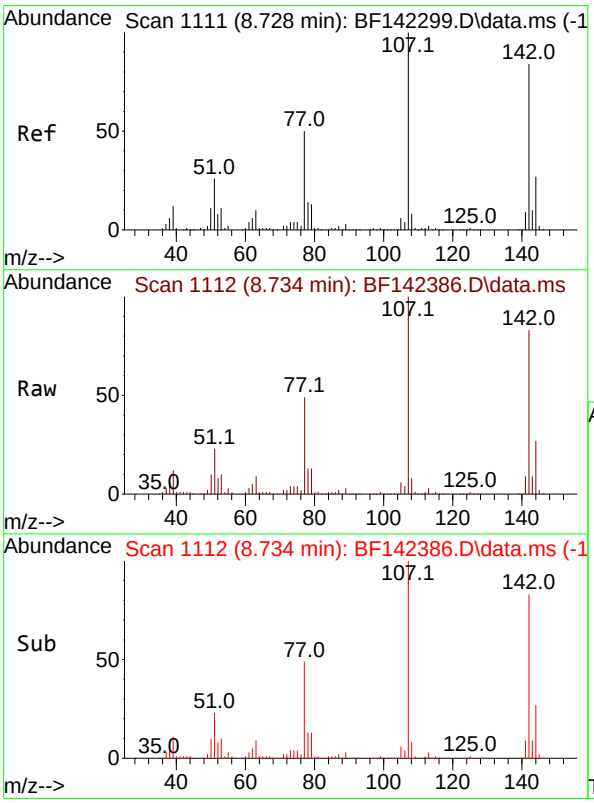
#35
Caprolactam
Concen: 26.182 ng
RT: 8.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:113 Resp: 71850

Ion	Ratio	Lower	Upper
113	100		
55	185.8	176.4	216.4
56	137.0	120.3	160.3

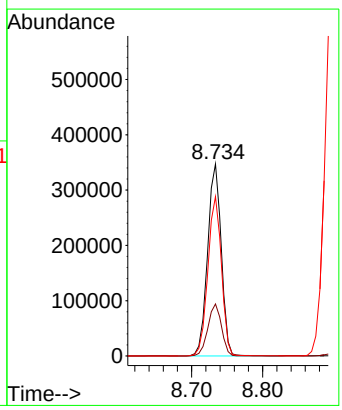


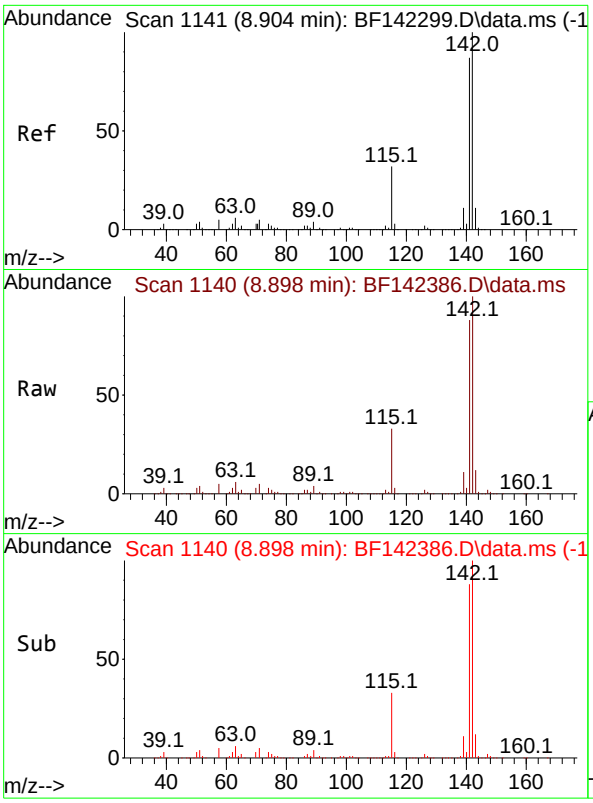


#36
4-Chloro-3-methylphenol
Concen: 47.463 ng
RT: 8.734 min Scan# 1112
Delta R.T. 0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:107 Resp: 464569

Ion	Ratio	Lower	Upper
107	100		
144	27.1	21.3	31.9
142	83.0	66.9	100.3



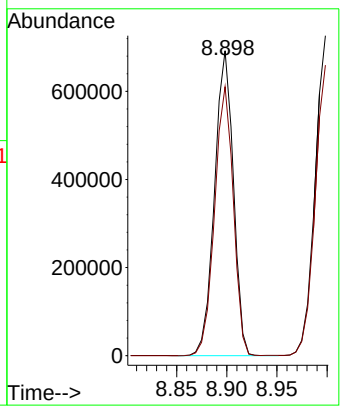


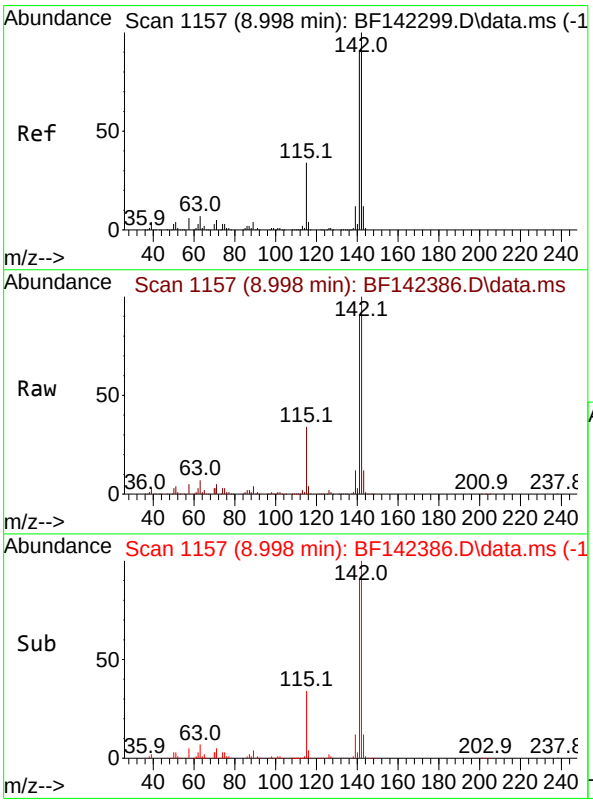
#37
2-Methylnaphthalene
Concen: 42.213 ng
RT: 8.898 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:142 Resp: 901910

Ion	Ratio	Lower	Upper
142	100		
141	88.2	69.4	104.2

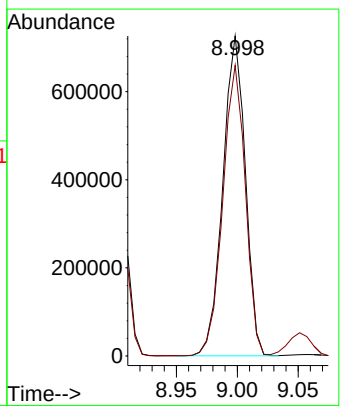


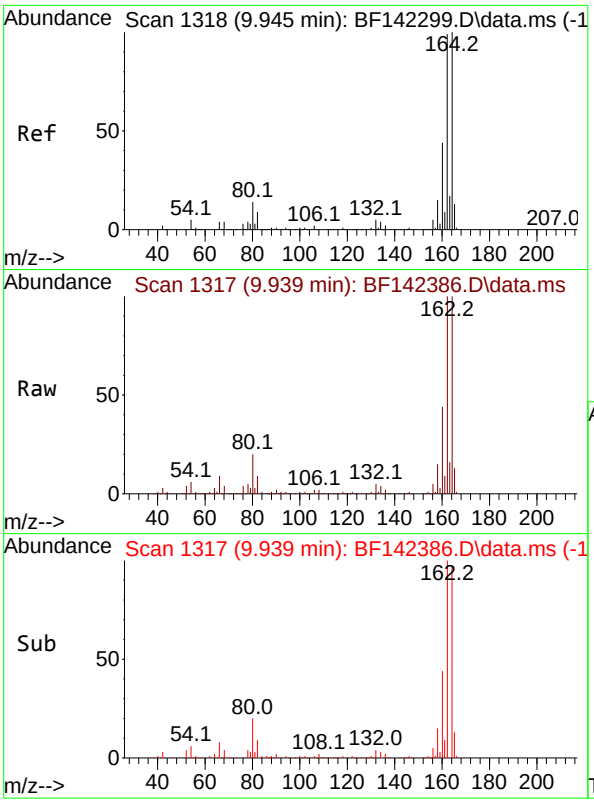


#38
1-Methylnaphthalene
Concen: 42.021 ng
RT: 8.998 min Scan# 1157
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:142 Resp: 935769

Ion	Ratio	Lower	Upper
142	100		
141	90.8	72.5	108.7



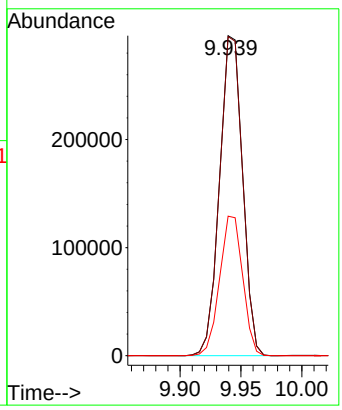


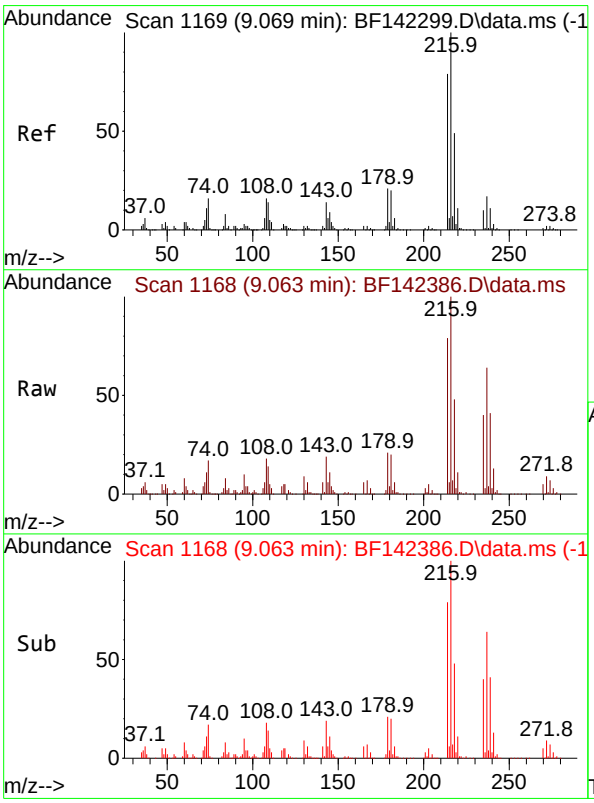
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:164 Resp: 390383

Ion	Ratio	Lower	Upper
164	100		
162	99.7	79.2	118.8
160	43.6	35.3	52.9

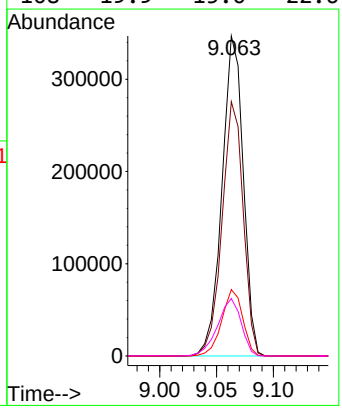


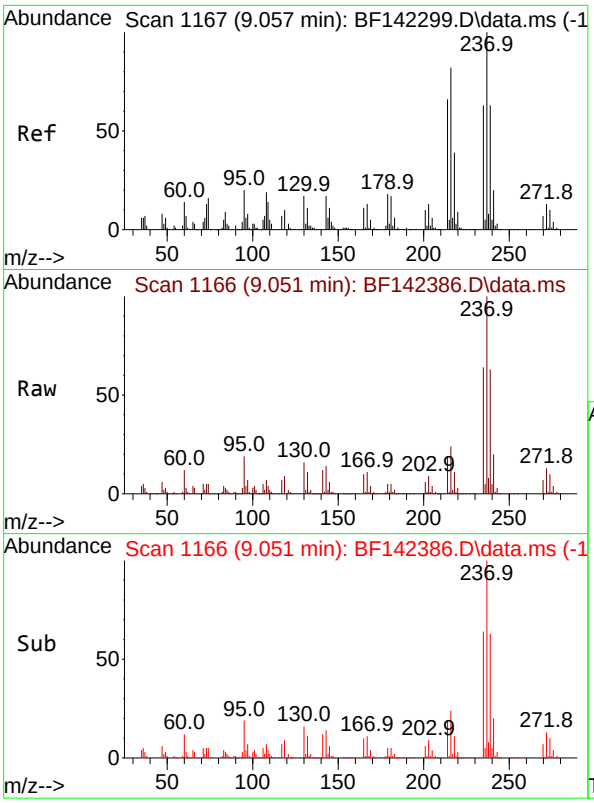


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.442 ng
RT: 9.063 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:216 Resp: 451848

Ion	Ratio	Lower	Upper
216	100		
214	79.0	63.8	95.6
179	20.5	17.0	25.6
108	19.9	15.0	22.6



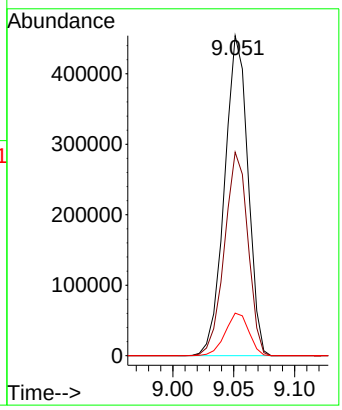


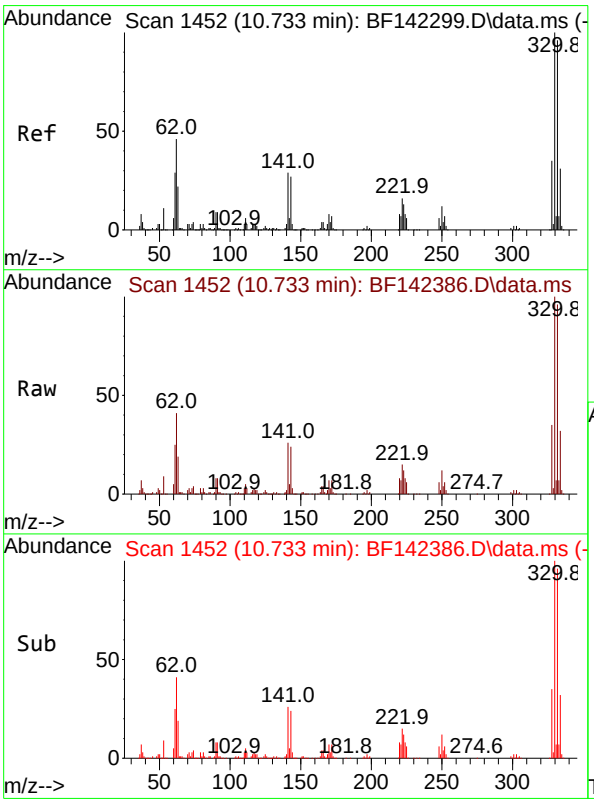
#41
Hexachlorocyclopentadiene
Concen: 90.221 ng
RT: 9.051 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:237 Resp: 607941

Ion	Ratio	Lower	Upper
237	100		
235	63.6	42.8	82.8
272	13.3	0.0	33.0

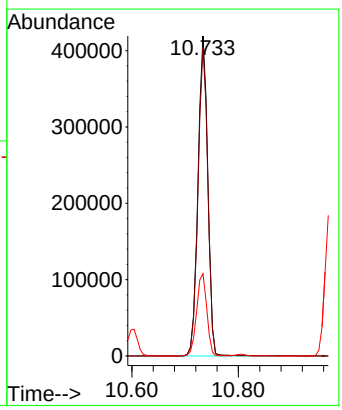


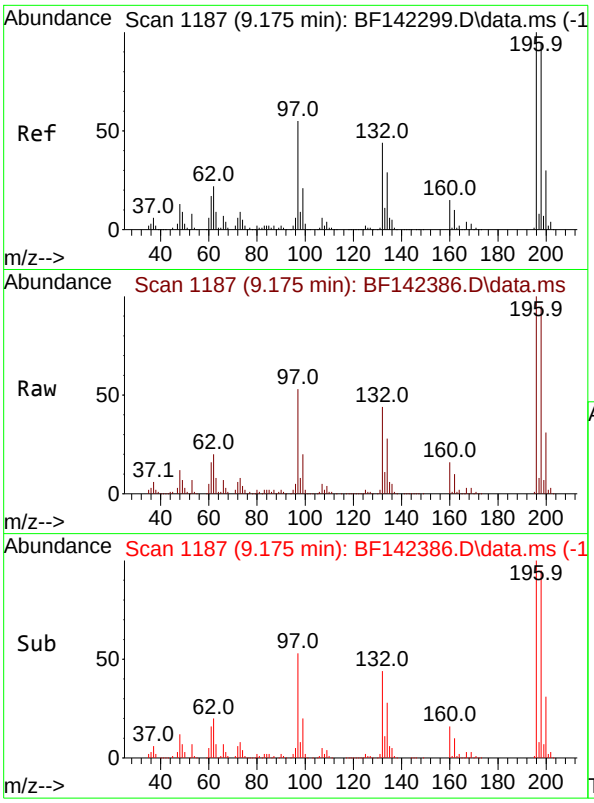


#42
2,4,6-Tribromophenol
Concen: 142.330 ng
RT: 10.733 min Scan# 1452
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:330 Resp: 536451

Ion	Ratio	Lower	Upper
330	100		
332	95.9	76.8	115.2
141	26.7	24.9	37.3



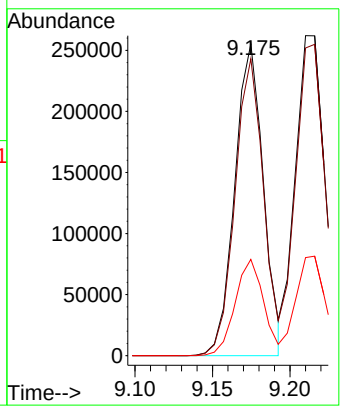


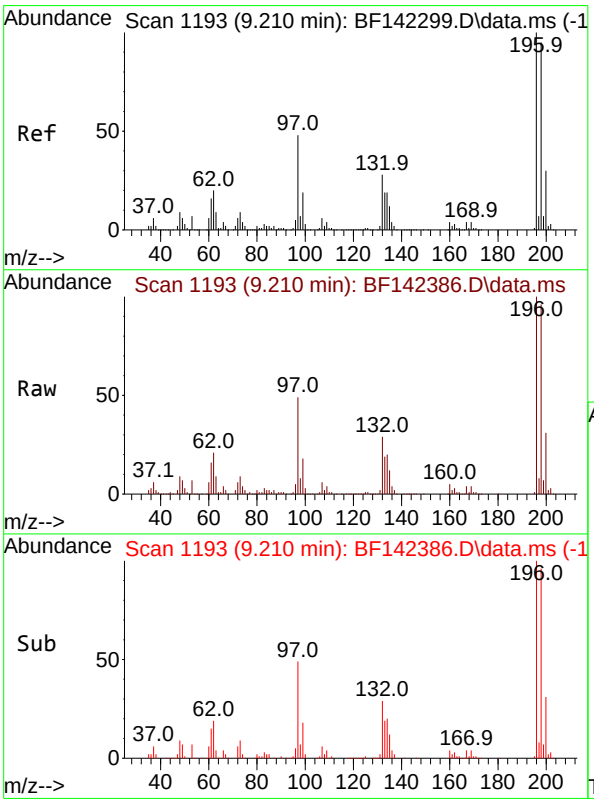
#43
2,4,6-Trichlorophenol
Concen: 47.621 ng
RT: 9.175 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:196 Resp: 327505

Ion	Ratio	Lower	Upper
196	100		
198	95.2	75.4	113.0
200	30.9	24.3	36.5

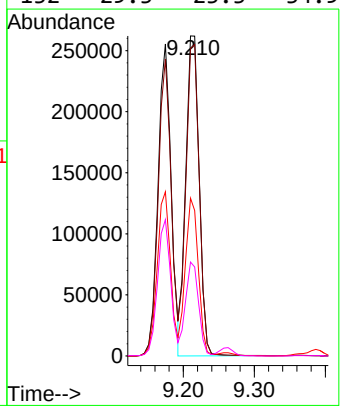


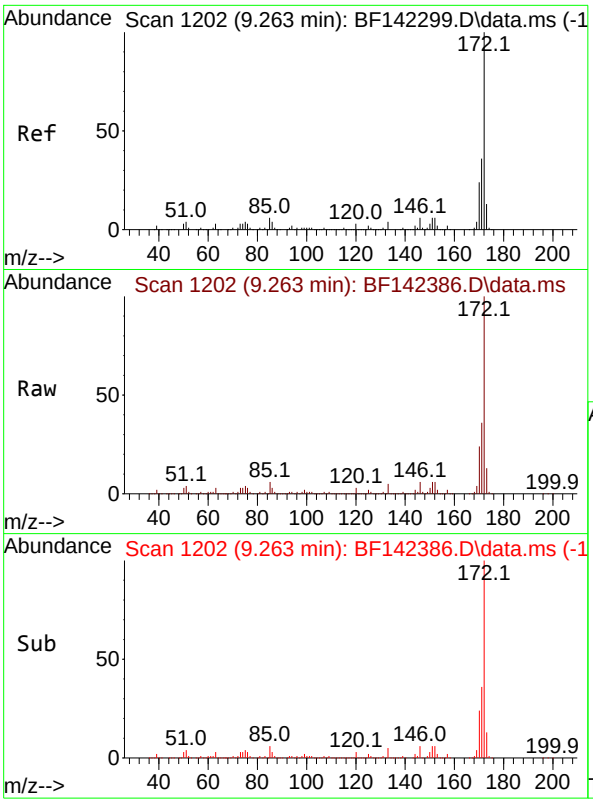


#44
2,4,5-Trichlorophenol
Concen: 47.199 ng
RT: 9.210 min Scan# 1193
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:196 Resp: 345379

Ion	Ratio	Lower	Upper
196	100		
198	96.2	76.1	114.1
97	49.3	39.0	58.4
132	29.3	23.3	34.9



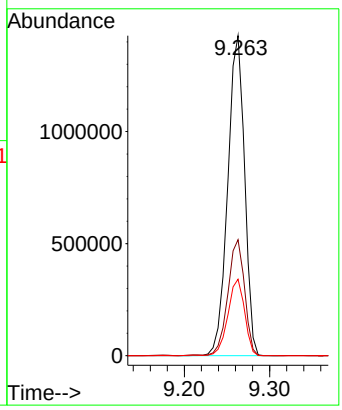


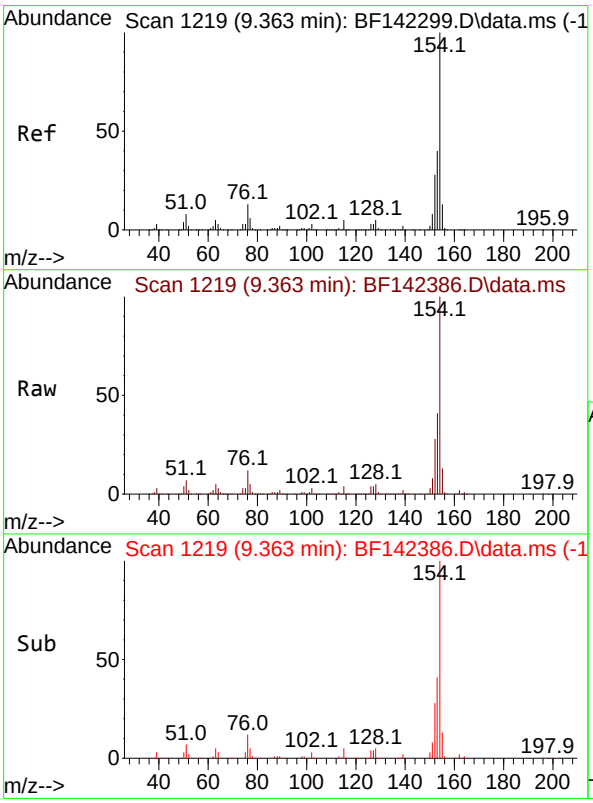
#45
2-Fluorobiphenyl
Concen: 71.589 ng
RT: 9.263 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:172 Resp: 1960008

Ion	Ratio	Lower	Upper
172	100		
171	36.2	28.6	42.8
170	23.9	19.0	28.4

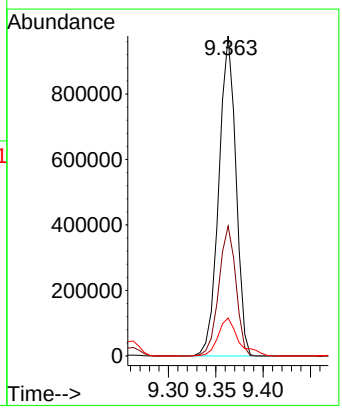


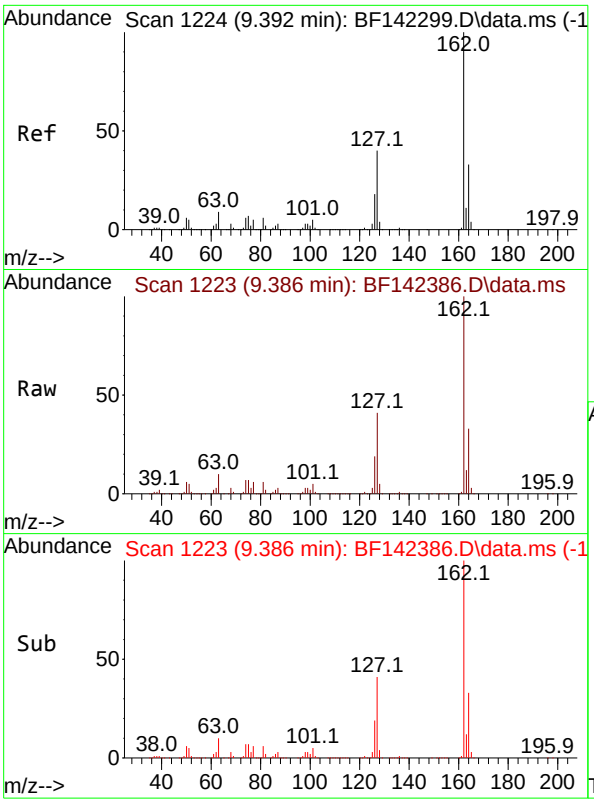


#46
1,1'-Biphenyl
Concen: 41.065 ng
RT: 9.363 min Scan# 1219
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:154 Resp: 1229160

Ion	Ratio	Lower	Upper
154	100		
153	40.6	20.5	60.5
76	11.8	0.0	32.8



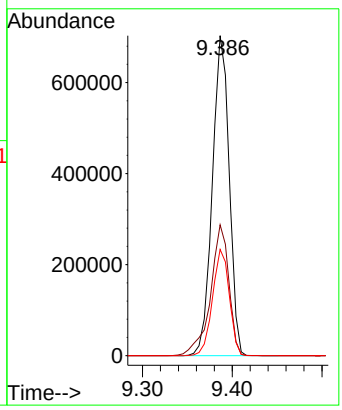


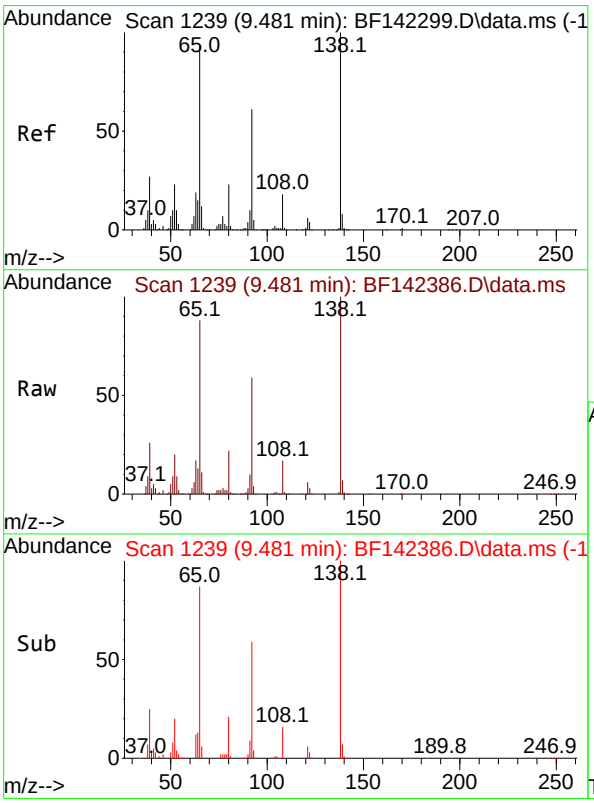
#47
2-Chloronaphthalene
Concen: 41.162 ng
RT: 9.386 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:162 Resp: 916262

Ion	Ratio	Lower	Upper
162	100		
127	40.9	32.3	48.5
164	33.2	26.6	40.0

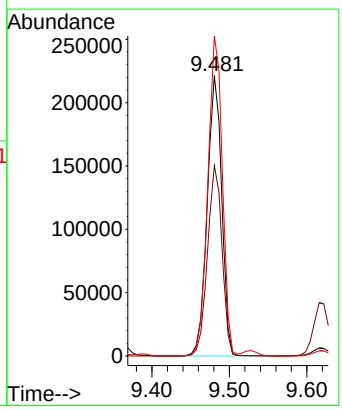


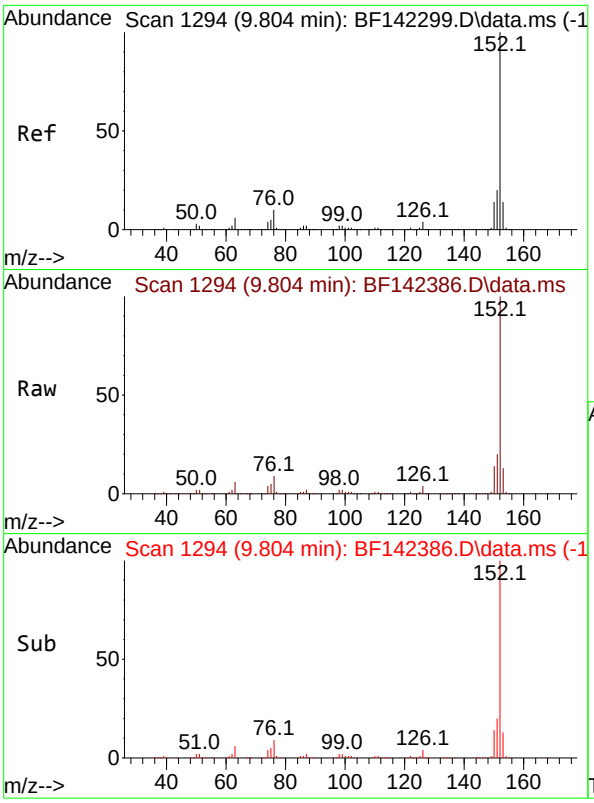


#48
2-Nitroaniline
Concen: 50.405 ng
RT: 9.481 min Scan# 1239
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion: 65 Resp: 287593

Ion	Ratio	Lower	Upper
65	100		
92	67.9	52.3	78.5
138	114.2	85.6	128.4



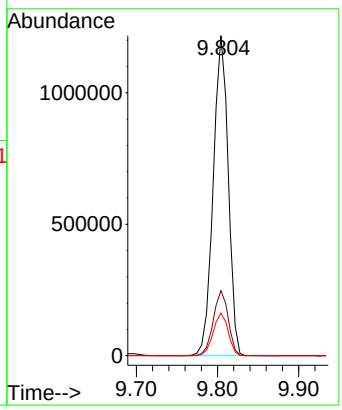


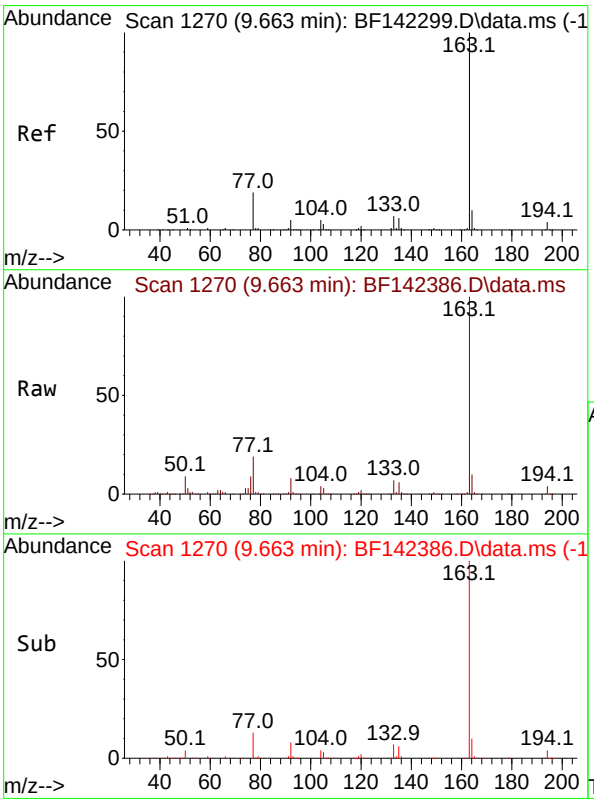
#49
Acenaphthylene
Concen: 41.988 ng
RT: 9.804 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:152 Resp: 1563555

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.0	24.0
153	13.3	10.8	16.2

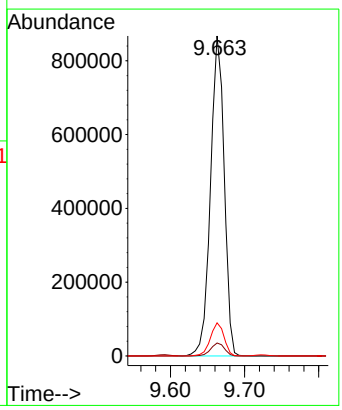


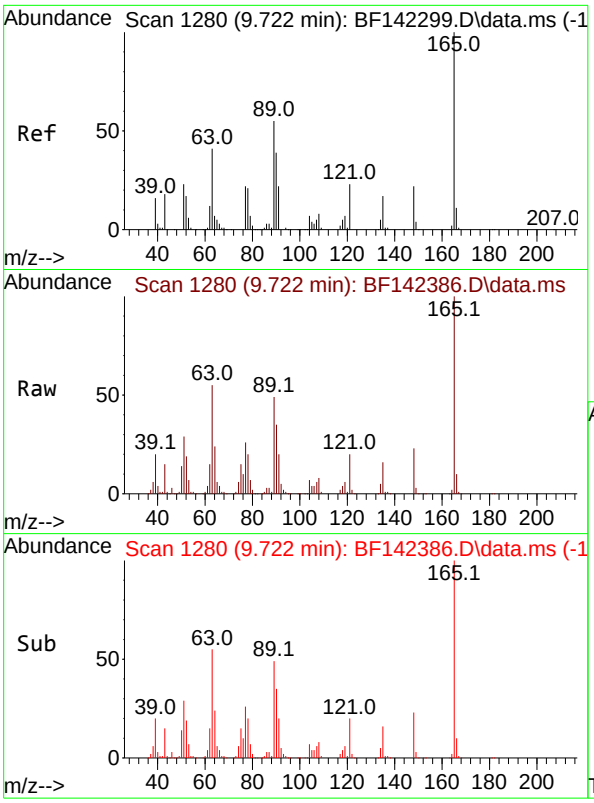


#50
Dimethylphthalate
Concen: 44.460 ng
RT: 9.663 min Scan# 1270
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:163 Resp: 1114509

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.2	4.8
164	10.4	8.3	12.5



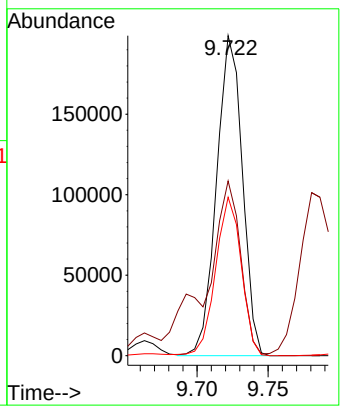


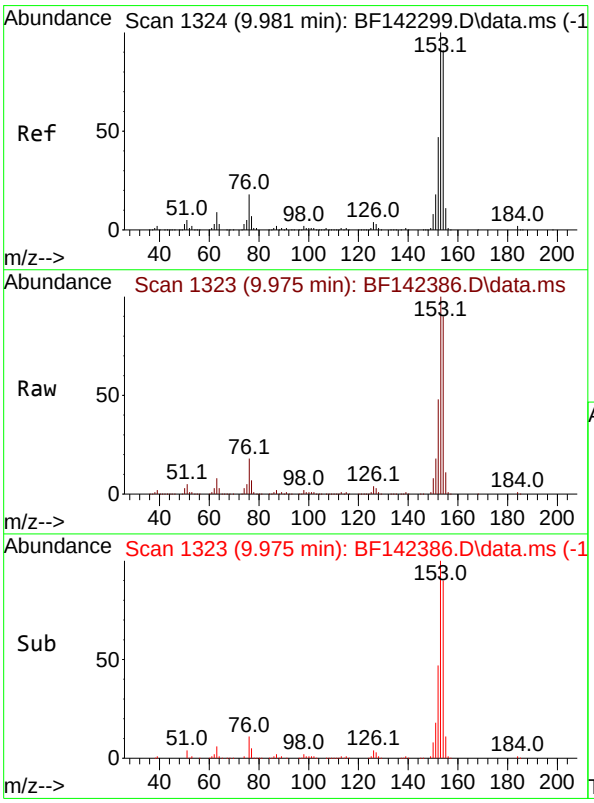
#51
2,6-Dinitrotoluene
Concen: 53.548 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:165 Resp: 251258

Ion	Ratio	Lower	Upper
165	100		
63	54.6	49.5	74.3
89	49.5	44.6	66.8

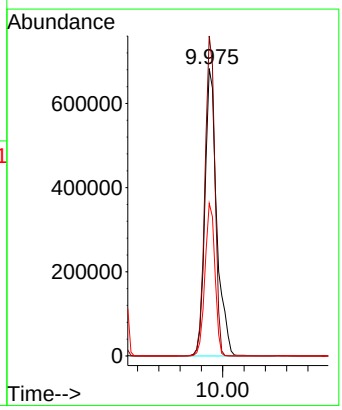


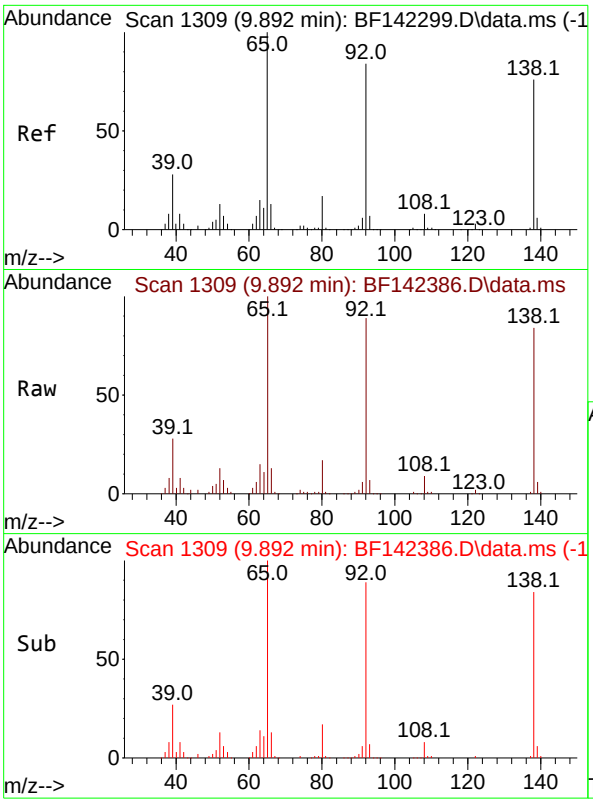


#52
Acenaphthene
Concen: 47.056 ng
RT: 9.975 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:154 Resp: 1053599

Ion	Ratio	Lower	Upper
154	100		
153	111.4	88.0	132.0
152	53.1	41.6	62.4



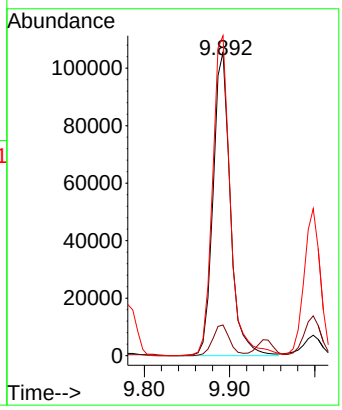


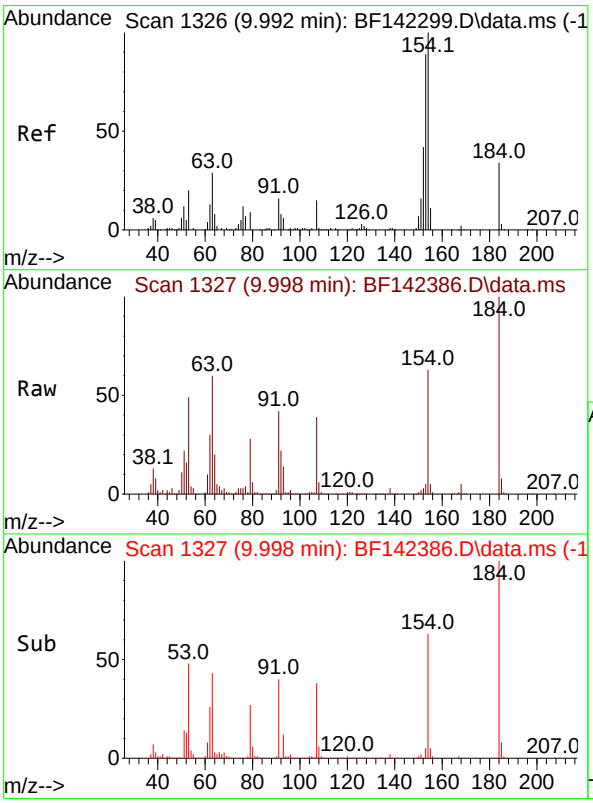
#53
3-Nitroaniline
Concen: 26.925 ng
RT: 9.892 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:138 Resp: 148171

Ion	Ratio	Lower	Upper
138	100		
108	10.1	8.7	13.1
92	105.5	89.5	134.3

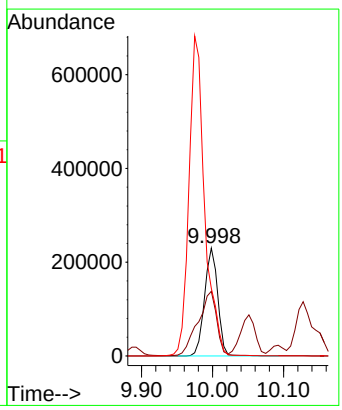


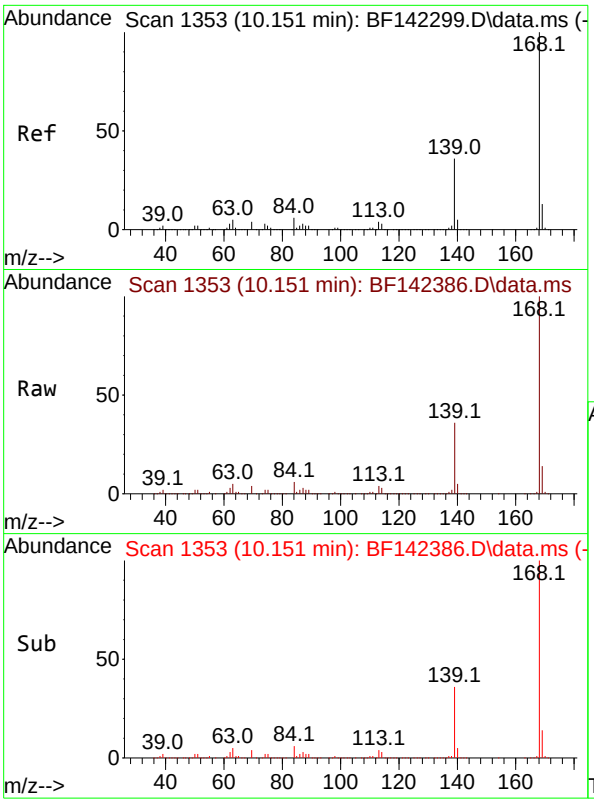


#54
2,4-Dinitrophenol
Concen: 117.829 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:184 Resp: 299083

Ion	Ratio	Lower	Upper
184	100		
63	60.0	70.6	105.8#
154	62.7	257.2	385.8#



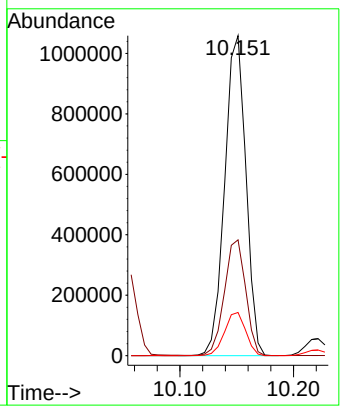


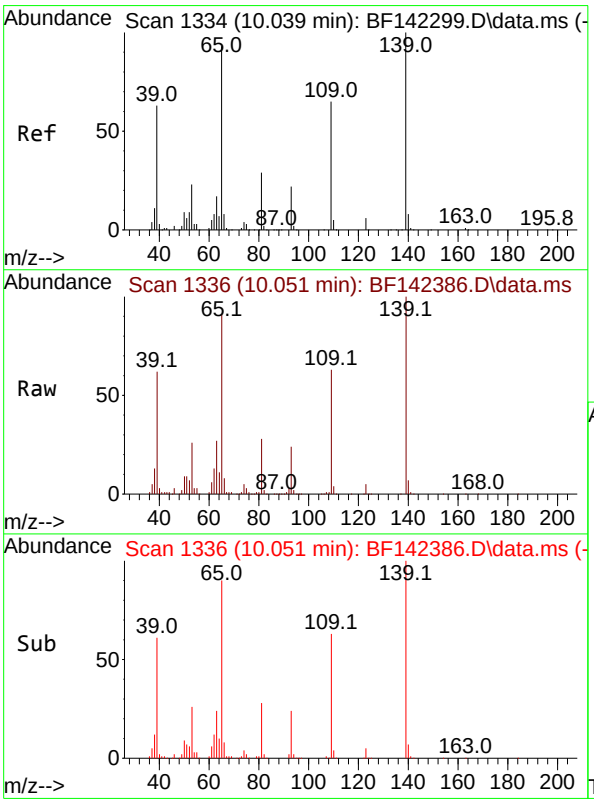
#55
Dibenzofuran
Concen: 41.493 ng
RT: 10.151 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:168 Resp: 1371115

Ion	Ratio	Lower	Upper
168	100		
139	36.2	29.0	43.4
169	13.5	10.7	16.1

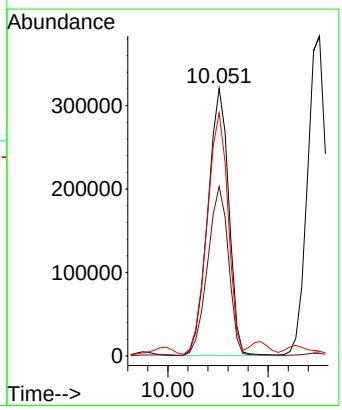


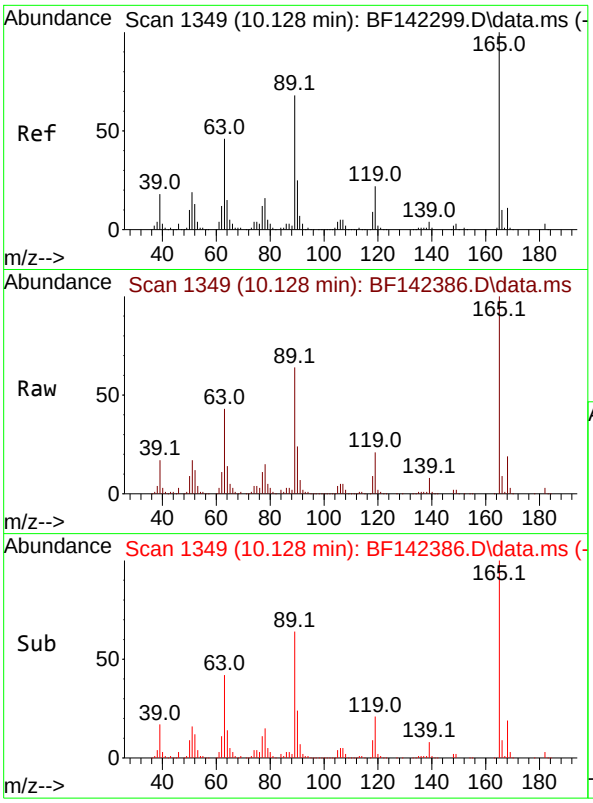


#56
4-Nitrophenol
Concen: 112.100 ng
RT: 10.051 min Scan# 1336
Delta R.T. 0.012 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:139 Resp: 464288

Ion	Ratio	Lower	Upper
139	100		
109	63.3	45.3	85.3
65	90.8	73.9	113.9



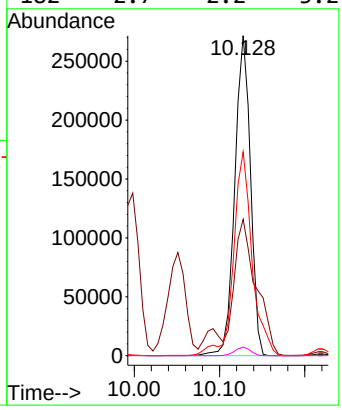


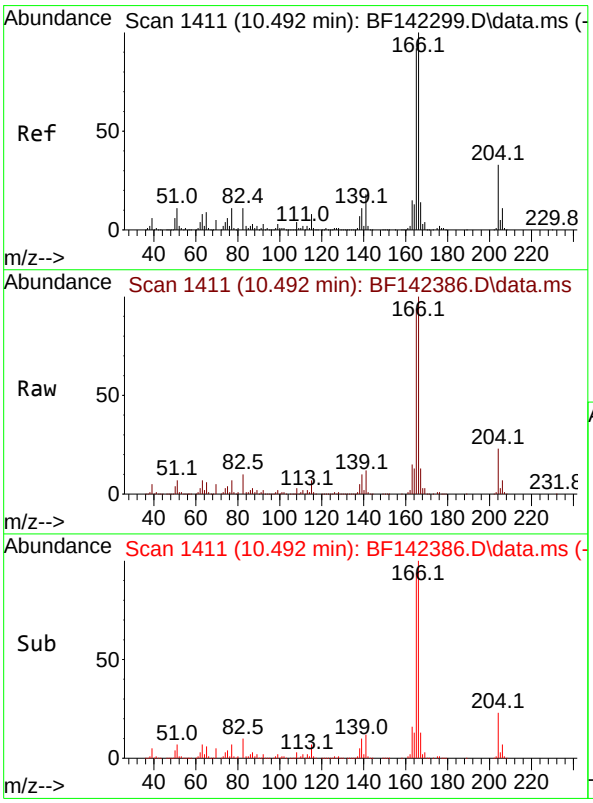
#57
2,4-Dinitrotoluene
Concen: 57.728 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:165 Resp: 347454

Ion	Ratio	Lower	Upper
165	100		
63	42.6	37.1	55.7
89	63.7	54.4	81.6
182	2.7	2.2	3.2

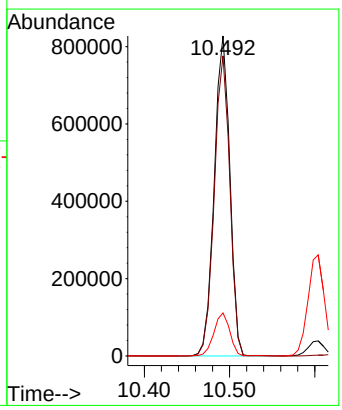


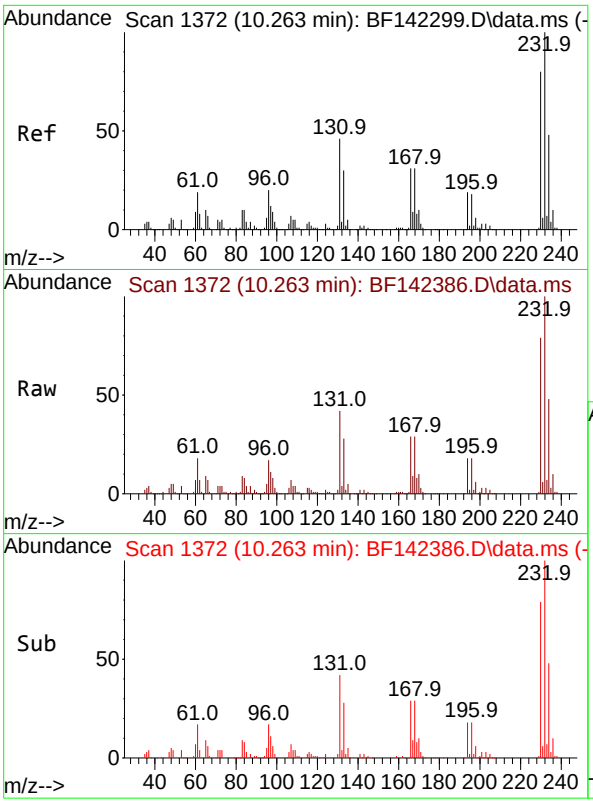


#58
Fluorene
Concen: 41.687 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:166 Resp: 1051263

Ion	Ratio	Lower	Upper
166	100		
165	93.8	74.0	111.0
167	13.5	10.9	16.3



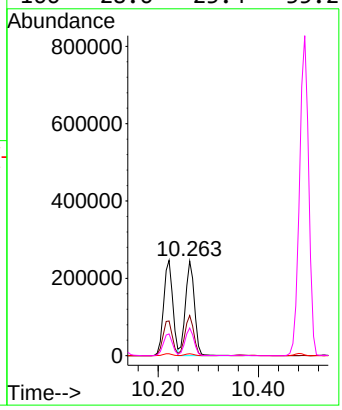


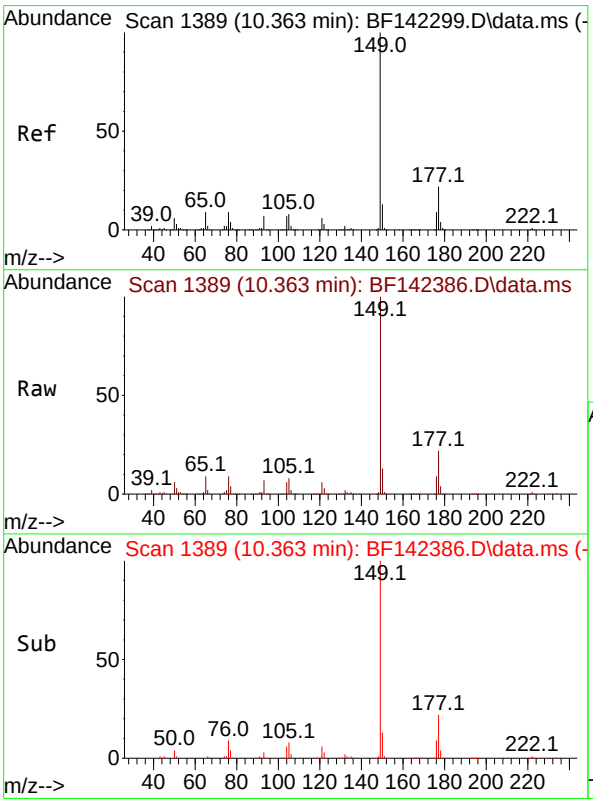
#59
2,3,4,6-Tetrachlorophenol
Concen: 50.597 ng
RT: 10.263 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:232 Resp: 305641

Ion	Ratio	Lower	Upper
232	100		
131	42.1	36.0	54.0
130	2.0	1.8	2.6
166	28.6	23.4	35.2

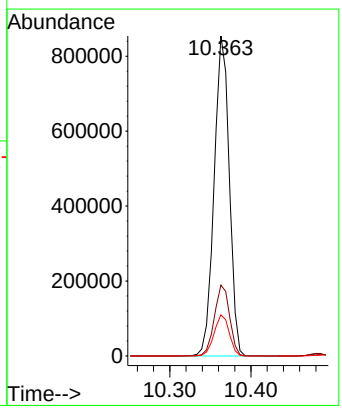


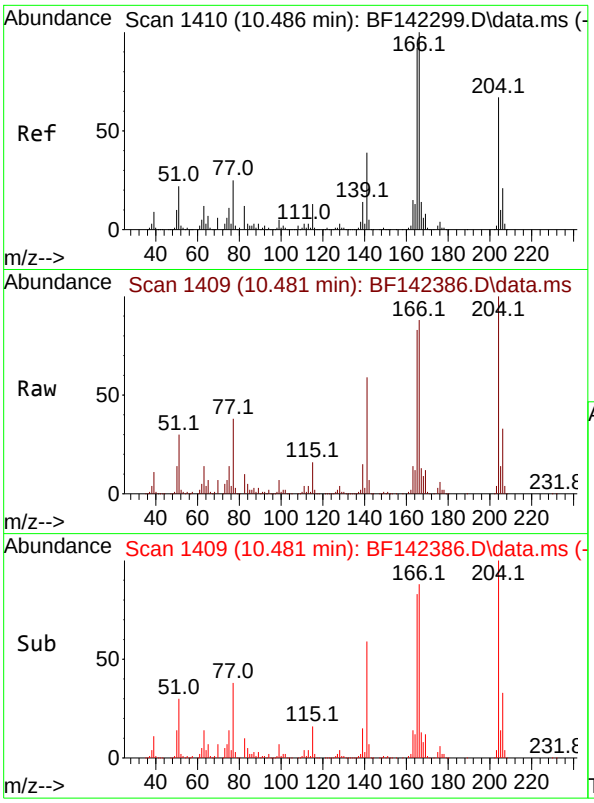


#60
Diethylphthalate
Concen: 44.226 ng
RT: 10.363 min Scan# 1389
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:149 Resp: 1107155

Ion	Ratio	Lower	Upper
149	100		
177	22.2	17.6	26.4
150	12.9	10.1	15.1



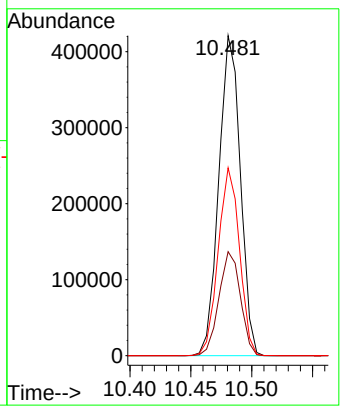


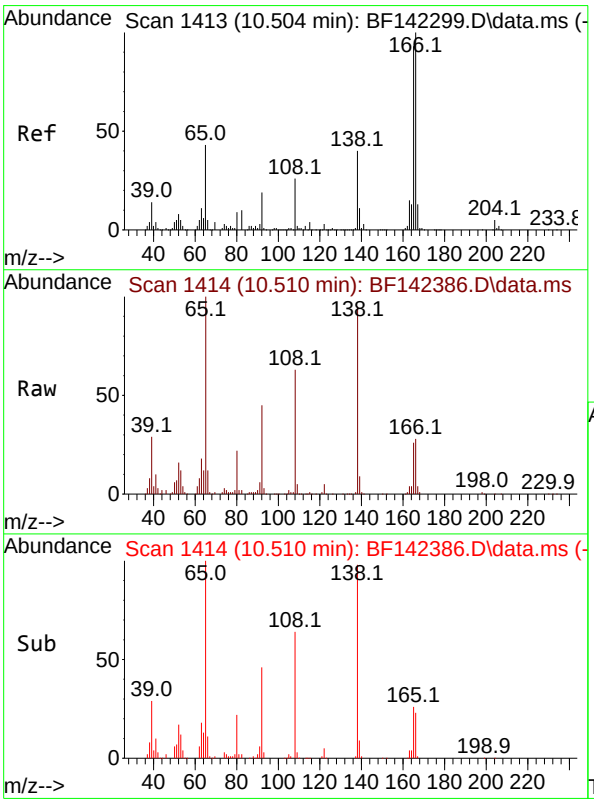
#61
4-Chlorophenyl-phenylether
Concen: 42.581 ng
RT: 10.481 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:204 Resp: 518059

Ion	Ratio	Lower	Upper
204	100		
206	32.5	25.5	38.3
141	58.7	46.4	69.6

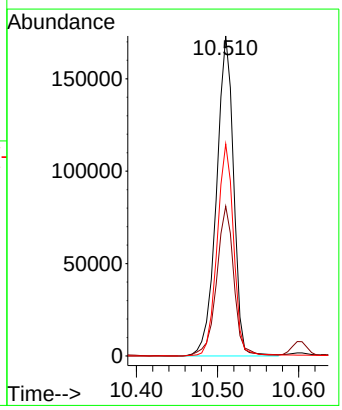


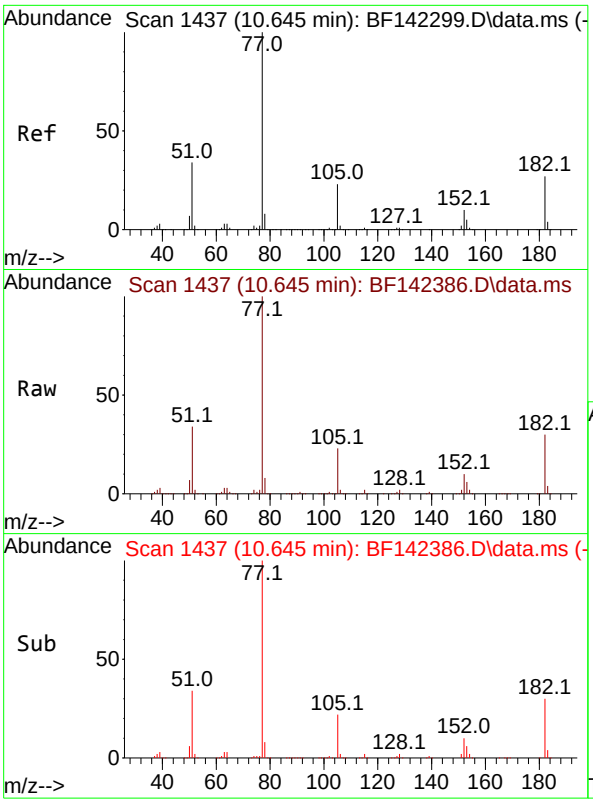


#62
4-Nitroaniline
Concen: 58.486 ng
RT: 10.510 min Scan# 1414
Delta R.T. 0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:138 Resp: 255090

Ion	Ratio	Lower	Upper
138	100		
92	46.8	27.3	67.3
108	66.2	45.1	85.1



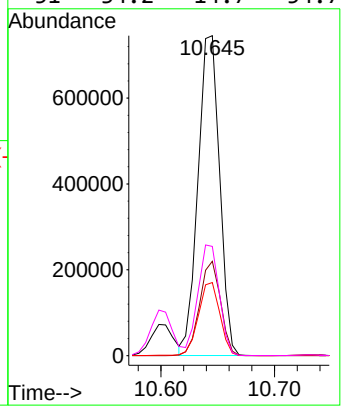


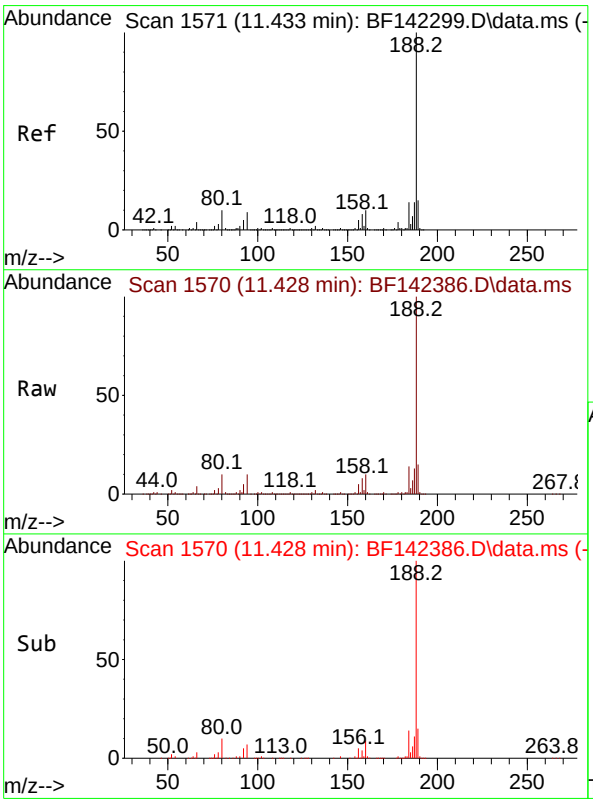
#63
Azobenzene
Concen: 41.252 ng
RT: 10.645 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion: 77 Resp: 986822

Ion	Ratio	Lower	Upper
77	100		
182	29.5	6.9	46.9
105	22.8	2.7	42.7
51	34.2	14.7	54.7

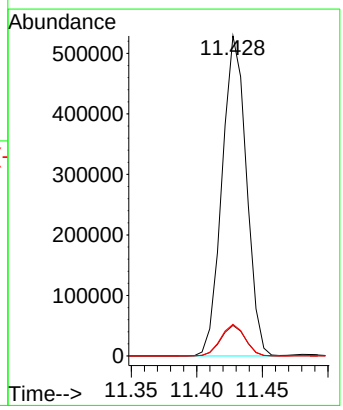


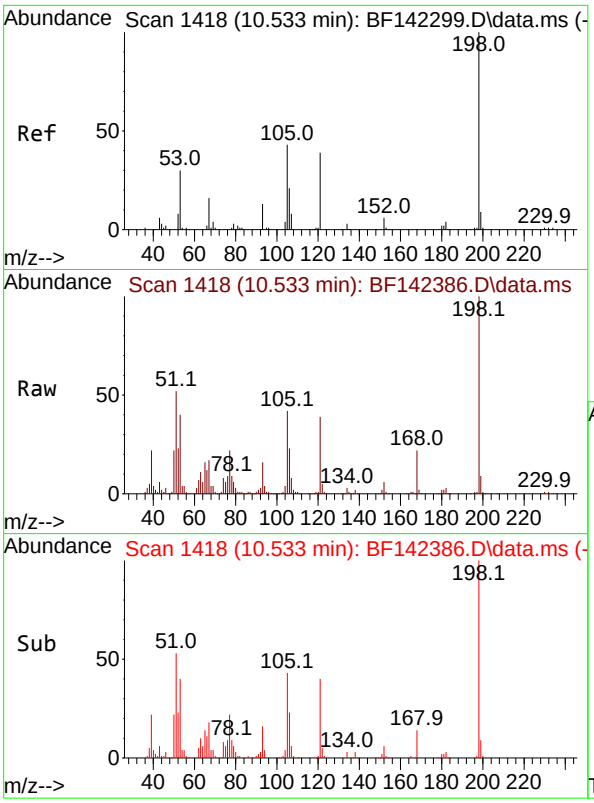


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:188 Resp: 683655

Ion	Ratio	Lower	Upper
188	100		
94	9.6	7.5	11.3
80	9.9	7.9	11.9



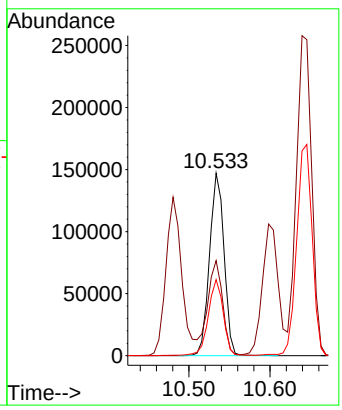


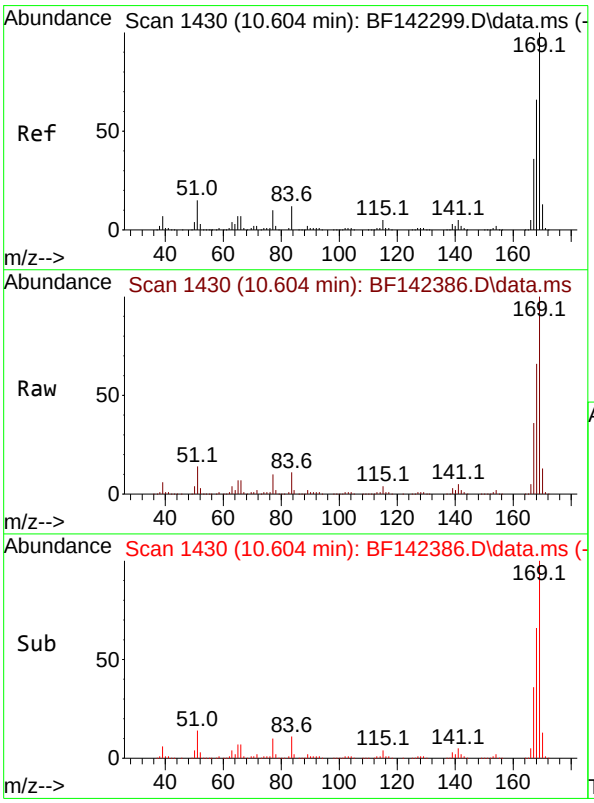
#65
4,6-Dinitro-2-methylphenol
Concen: 55.913 ng
RT: 10.533 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:198 Resp: 182627

Ion	Ratio	Lower	Upper
198	100		
51	52.1	32.9	72.9
105	41.7	23.7	63.7

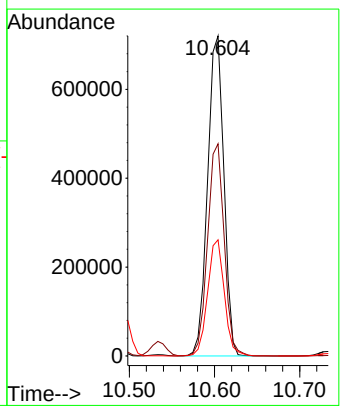


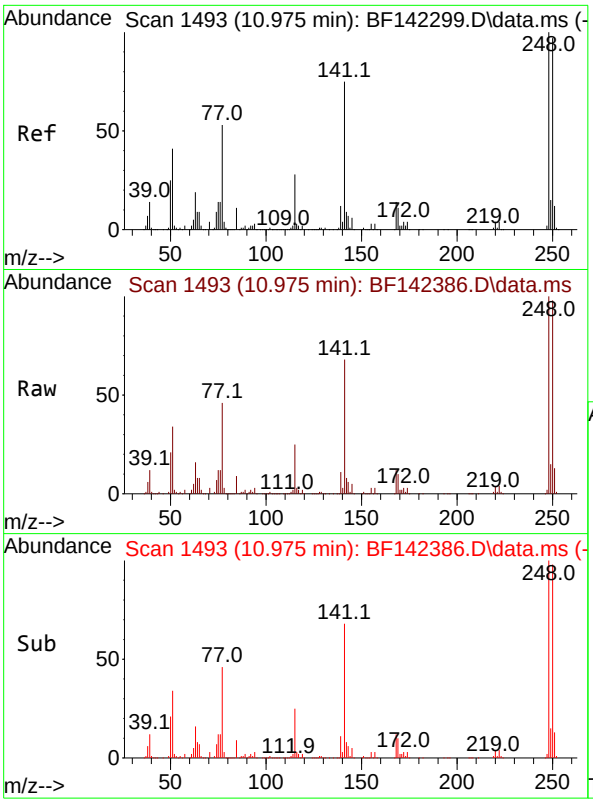


#66
n-Nitrosodiphenylamine
Concen: 42.007 ng
RT: 10.604 min Scan# 1430
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:169 Resp: 955633

Ion	Ratio	Lower	Upper
169	100		
168	66.3	53.2	79.8
167	36.3	28.9	43.3



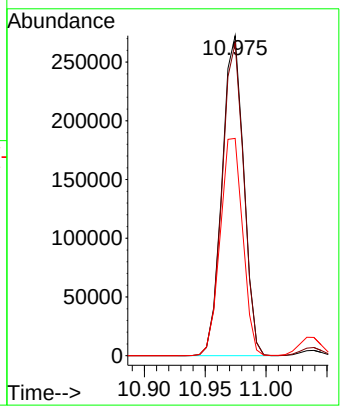


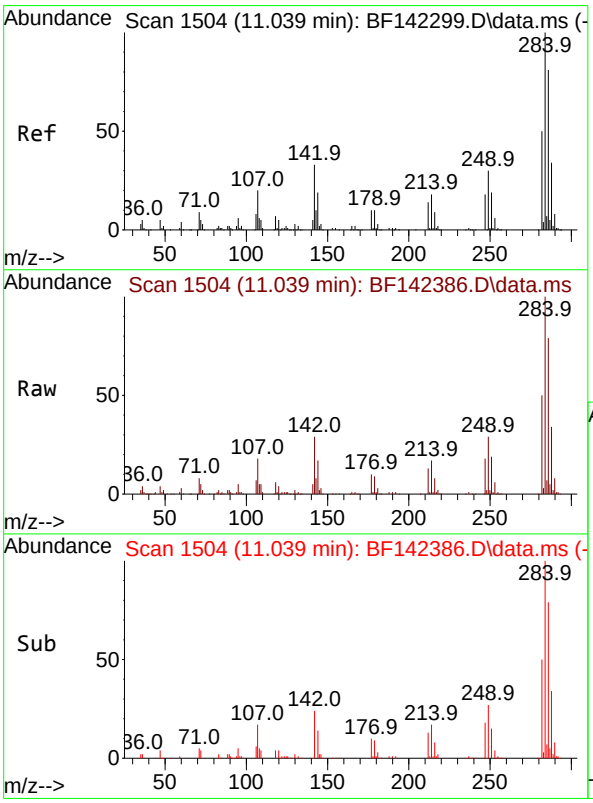
#67
4-Bromophenyl-phenylether
Concen: 43.574 ng
RT: 10.975 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:248 Resp: 337616

Ion	Ratio	Lower	Upper
248	100		
250	97.6	77.9	116.9
141	67.9	59.8	89.8

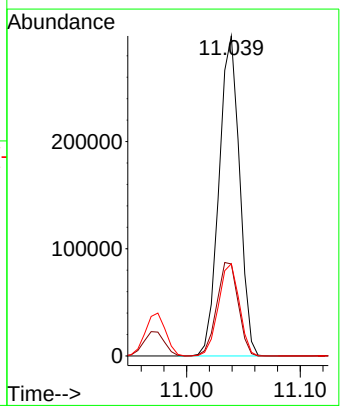


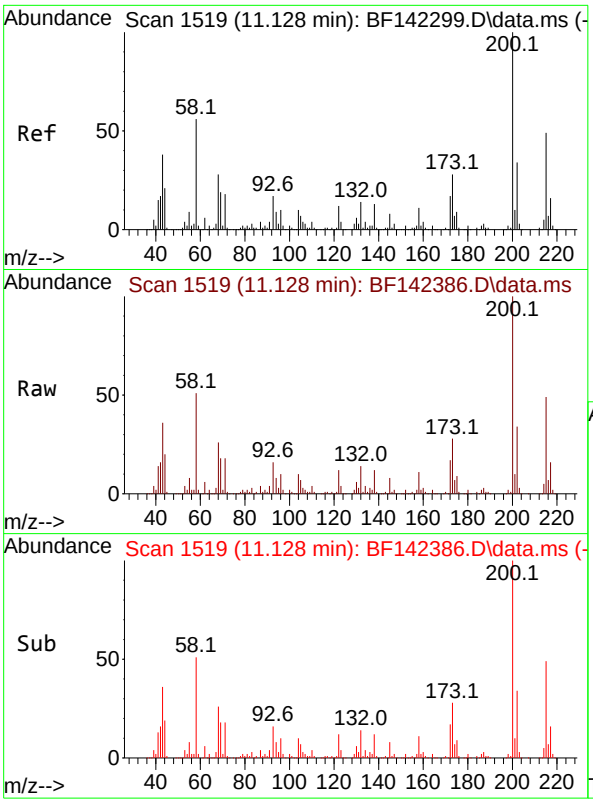


#68
Hexachlorobenzene
Concen: 44.062 ng
RT: 11.039 min Scan# 1504
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:284 Resp: 375531

Ion	Ratio	Lower	Upper
284	100		
142	28.7	26.6	39.8
249	28.8	24.1	36.1



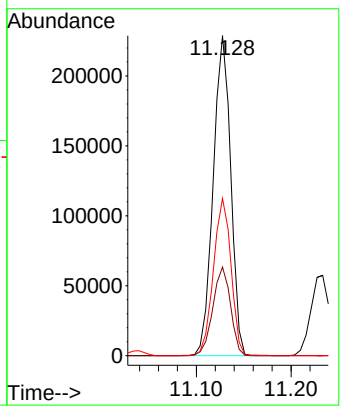


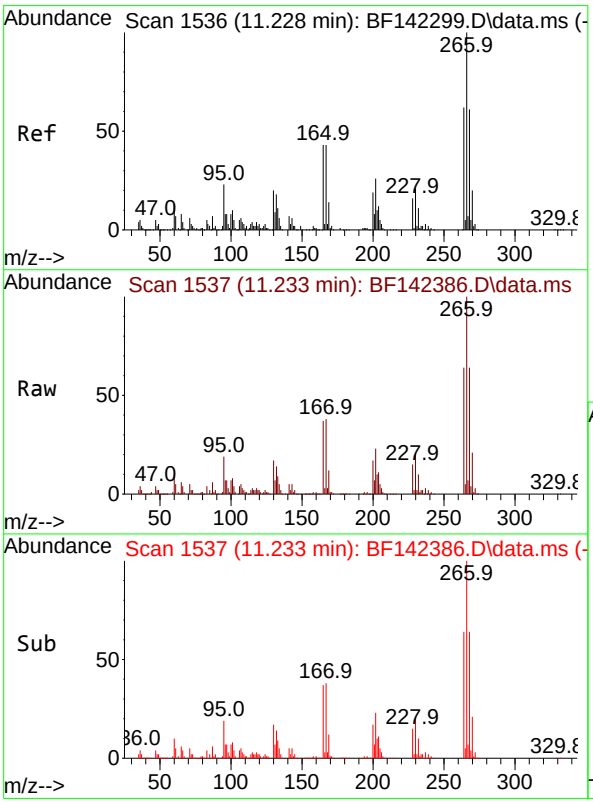
#69
Atrazine
Concen: 48.987 ng
RT: 11.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:200 Resp: 293766

Ion	Ratio	Lower	Upper
200	100		
173	27.7	8.1	48.1
215	49.1	28.8	68.8

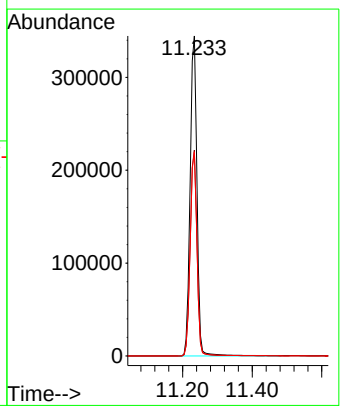


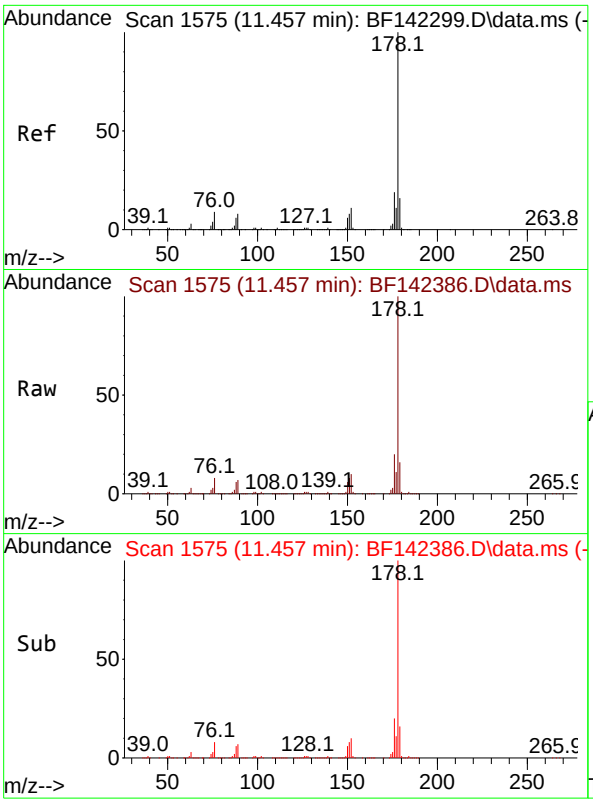


#70
Pentachlorophenol
Concen: 105.241 ng
RT: 11.233 min Scan# 1537
Delta R.T. 0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:266 Resp: 471856

Ion	Ratio	Lower	Upper
266	100		
268	64.4	48.7	73.1
264	63.8	49.8	74.6



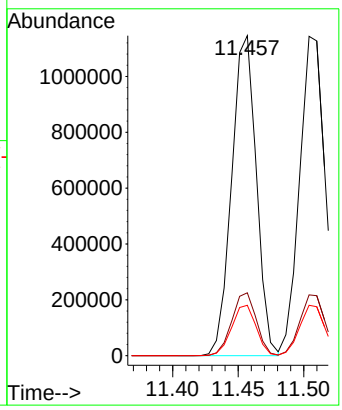


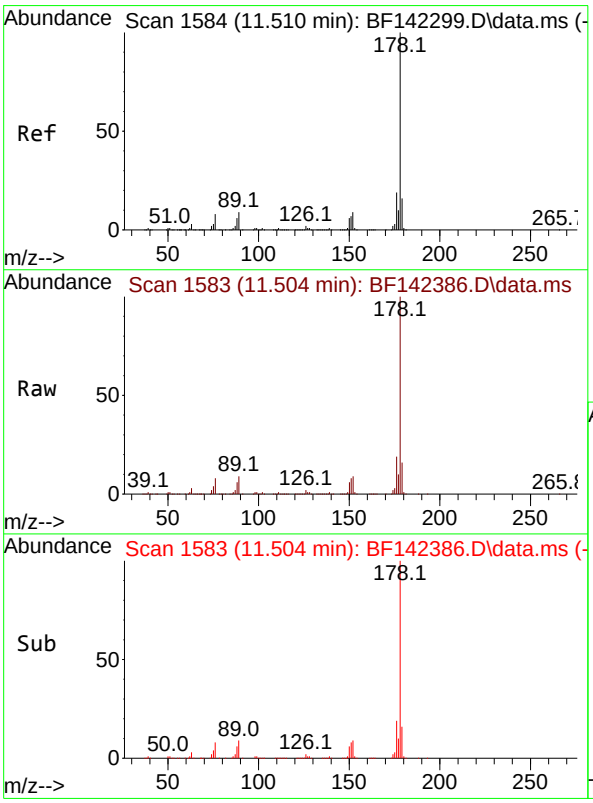
#71
Phenanthrene
Concen: 41.963 ng
RT: 11.457 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:178 Resp: 1503753

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.5	23.3
179	15.8	12.6	18.8

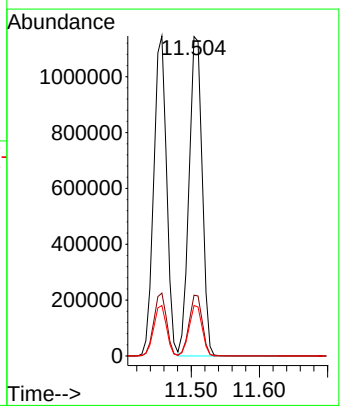


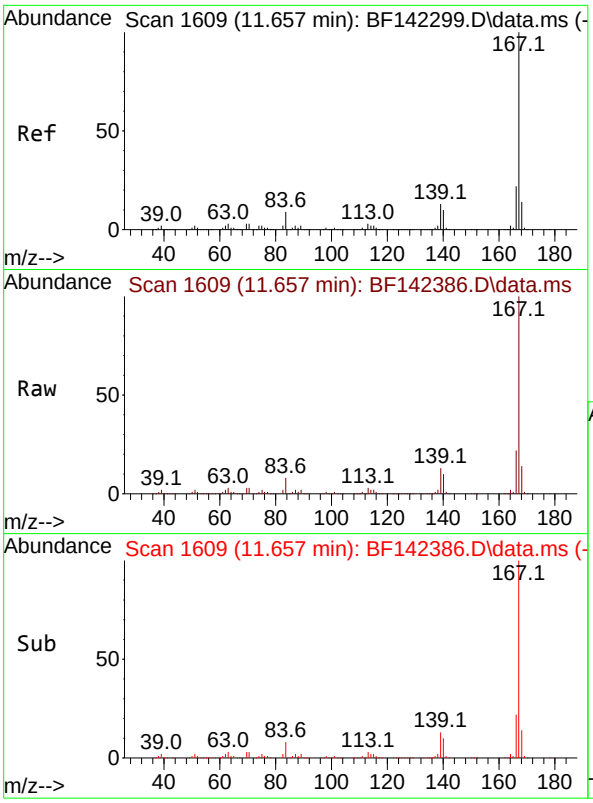


#72
Anthracene
Concen: 41.409 ng
RT: 11.504 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:178 Resp: 1524726

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	15.8	12.6	18.8



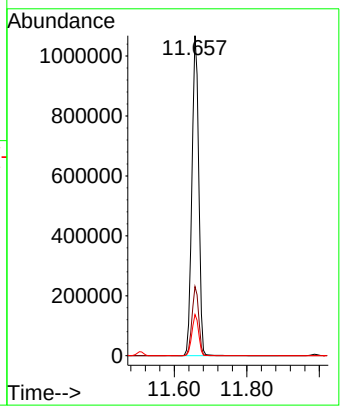


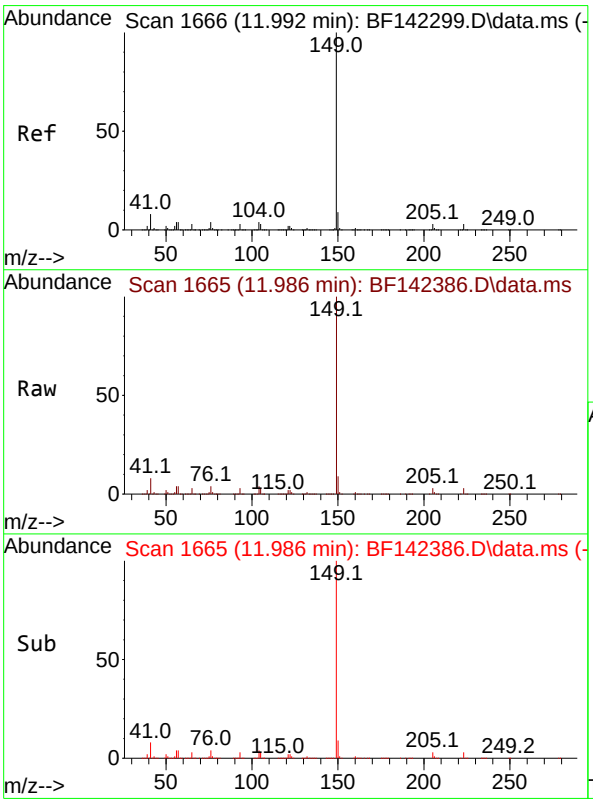
#73
Carbazole
Concen: 42.101 ng
RT: 11.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:167 Resp: 1390787

Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.2	25.8
139	12.9	10.3	15.5

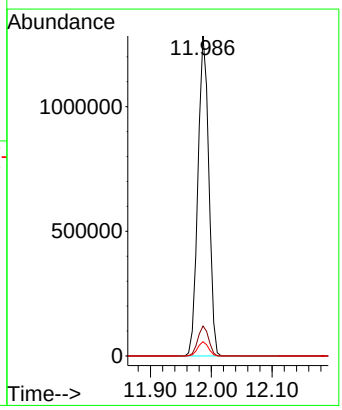


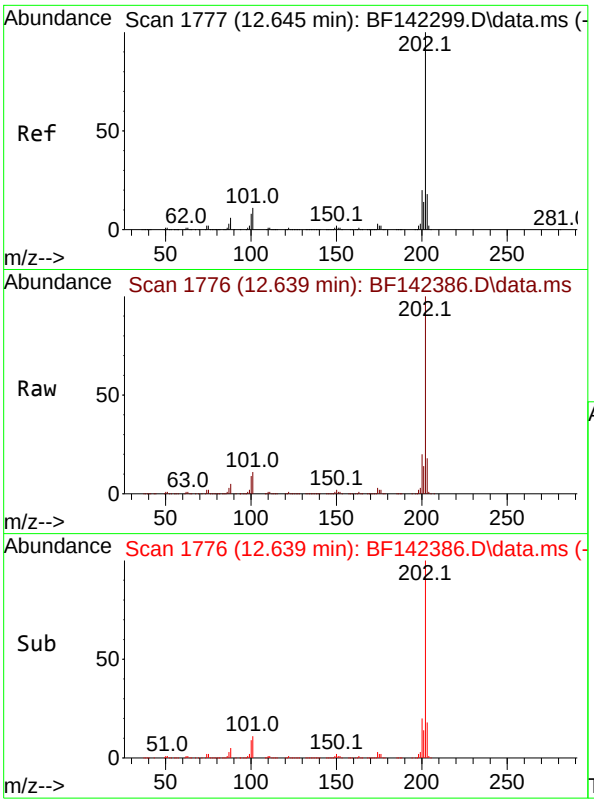


#74
Di-n-butylphthalate
Concen: 45.730 ng
RT: 11.986 min Scan# 1665
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:149 Resp: 1588510

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	4.4	3.6	5.4



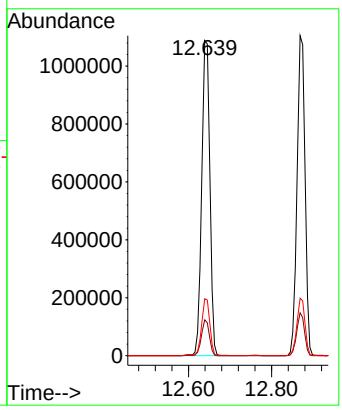


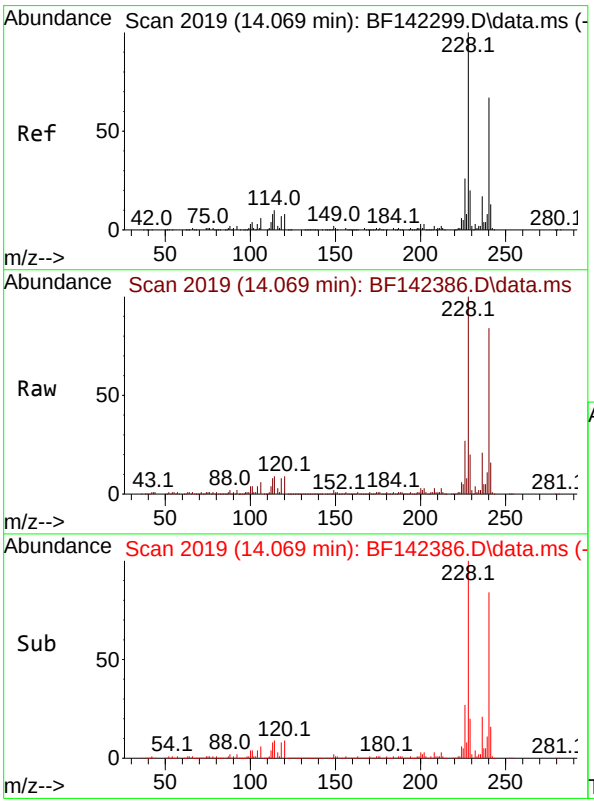
#75
Fluoranthene
Concen: 41.530 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:202 Resp: 1487674

Ion	Ratio	Lower	Upper
202	100		
101	11.4	0.0	31.4
203	18.1	0.0	37.9

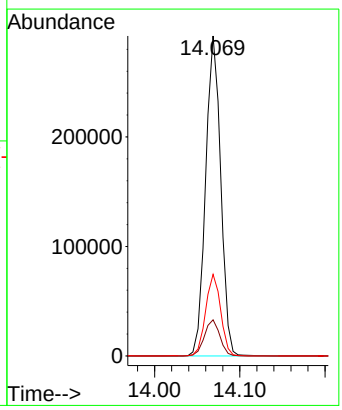


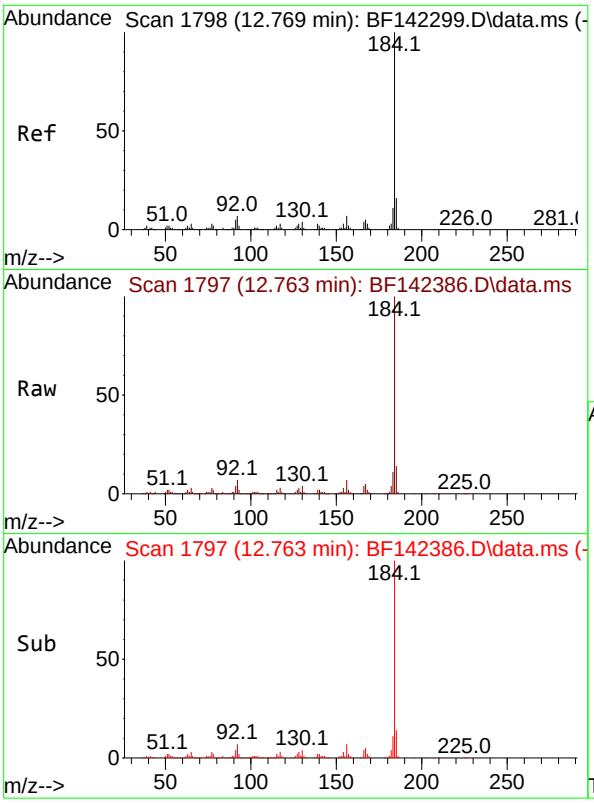


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:240 Resp: 358537

Ion	Ratio	Lower	Upper
240	100		
120	11.3	9.7	14.5
236	25.5	20.0	30.0



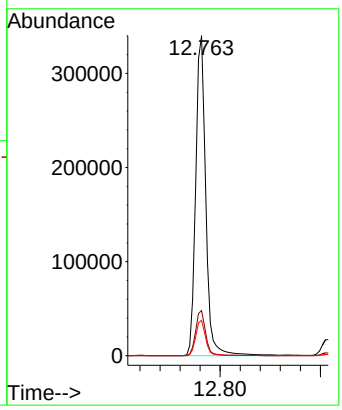


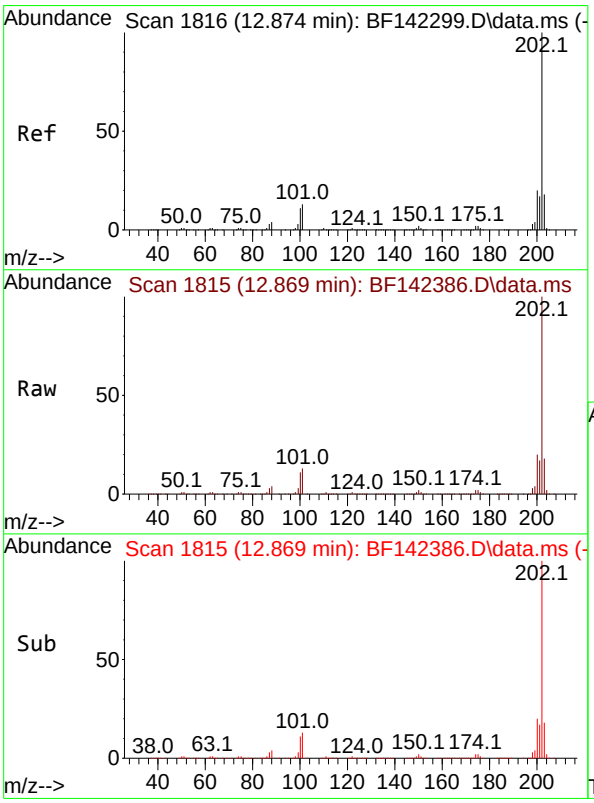
#77
Benzidine
Concen: 72.605 ng
RT: 12.763 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:184 Resp: 473065

Ion	Ratio	Lower	Upper
184	100		
185	14.1	12.6	18.8
183	11.0	8.6	12.8

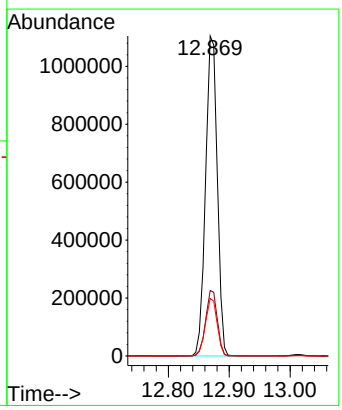


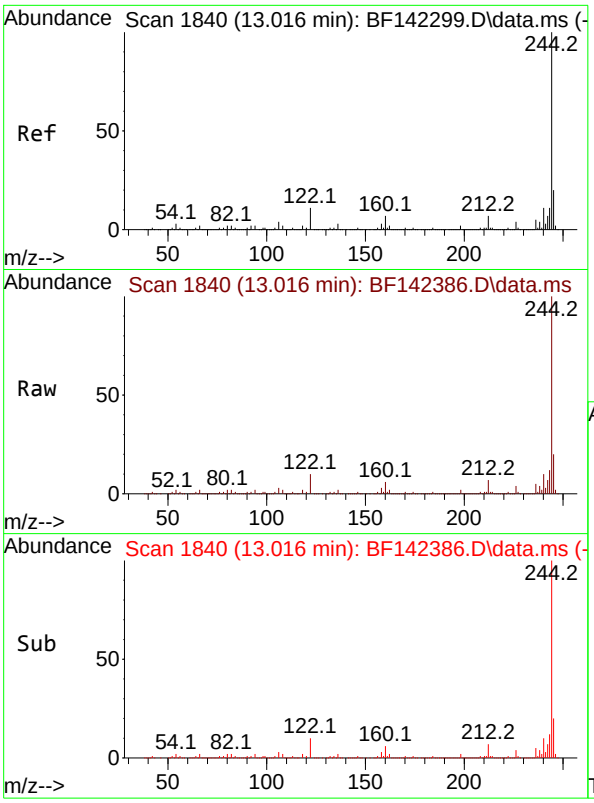


#78
Pyrene
Concen: 46.209 ng
RT: 12.869 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:202 Resp: 1474683

Ion	Ratio	Lower	Upper
202	100		
200	20.4	16.2	24.4
203	18.0	14.3	21.5



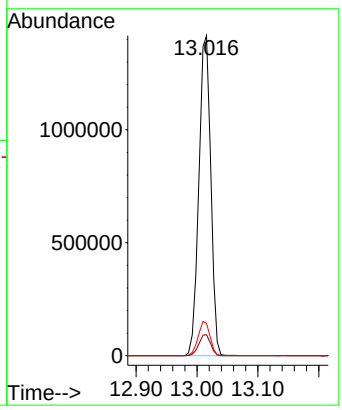


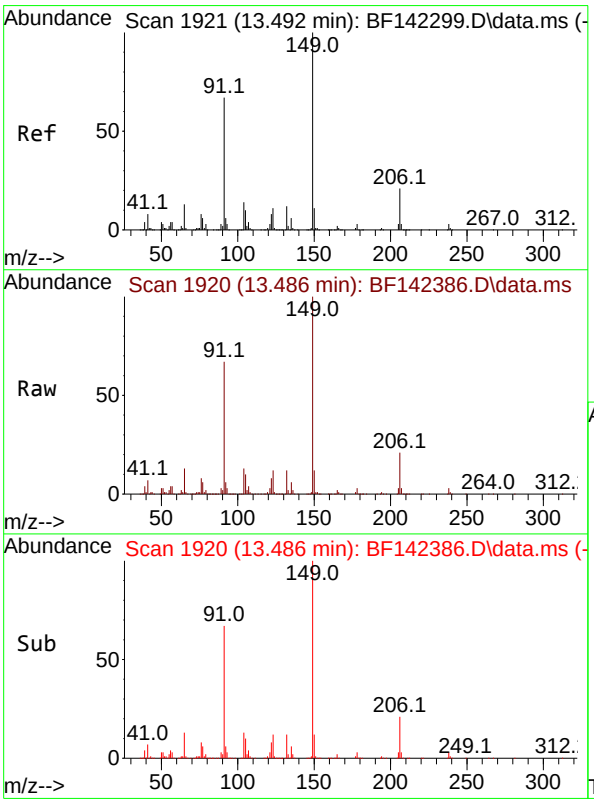
#79
Terphenyl-d14
Concen: 79.343 ng
RT: 13.016 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:244 Resp: 1921973

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.2
122	10.1	9.0	13.4

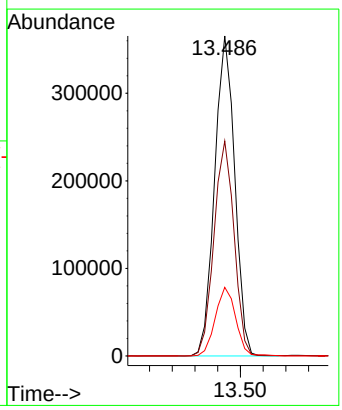


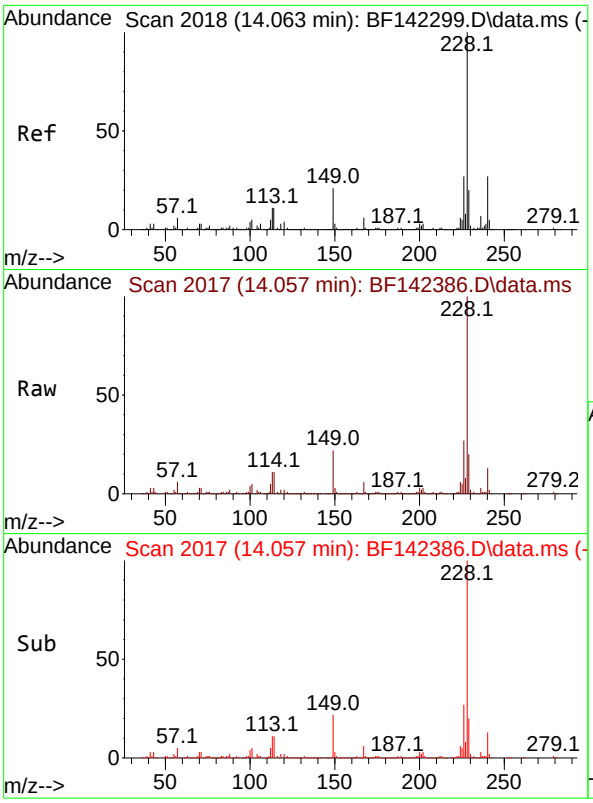


#80
Butylbenzylphthalate
Concen: 48.238 ng
RT: 13.486 min Scan# 1920
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:149 Resp: 449443

Ion	Ratio	Lower	Upper
149	100		
91	67.1	53.8	80.6
206	21.5	16.6	24.8



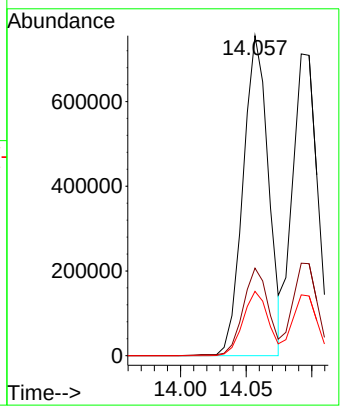


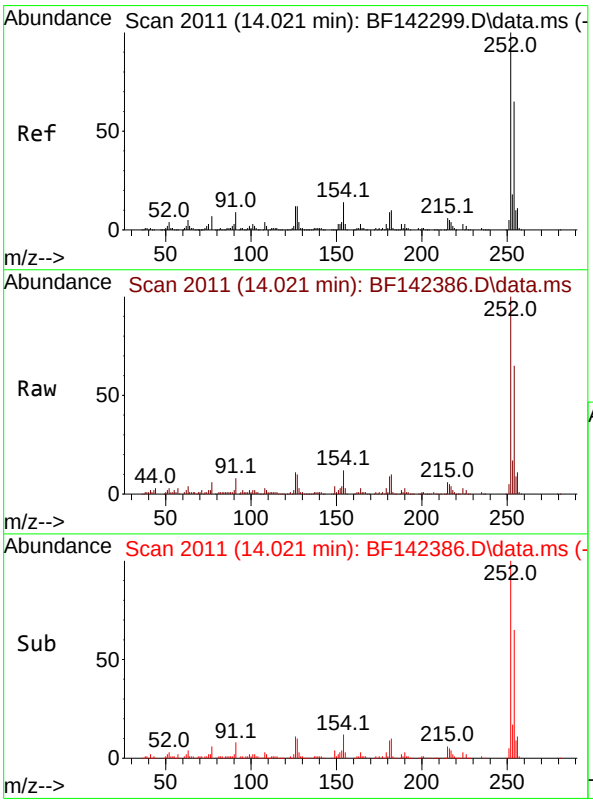
#81
Benzo(a)anthracene
Concen: 43.677 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:228 Resp: 1014145

Ion	Ratio	Lower	Upper
228	100		
226	27.4	21.5	32.3
229	20.1	15.9	23.9

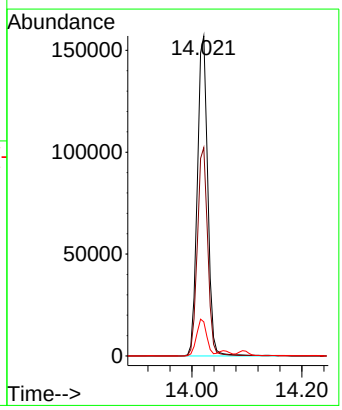


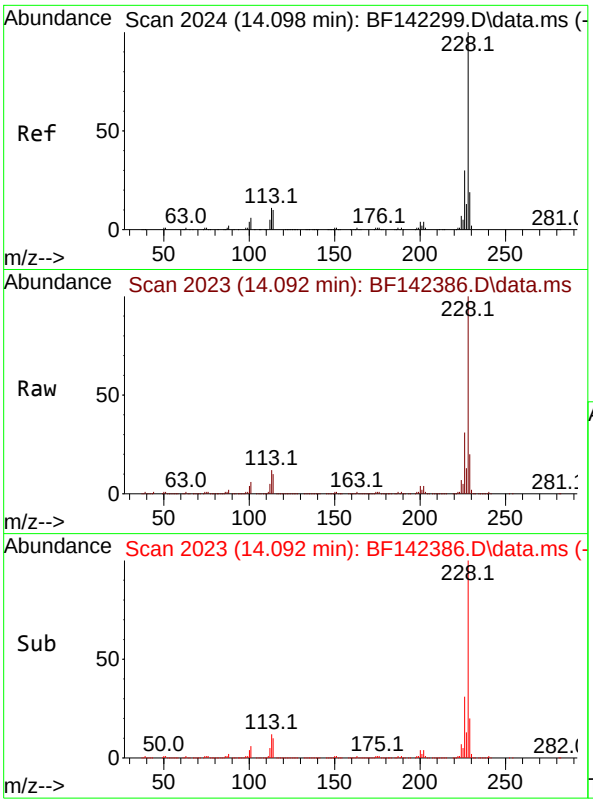


#82
3,3'-Dichlorobenzidine
Concen: 38.327 ng
RT: 14.021 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:252 Resp: 206951

Ion	Ratio	Lower	Upper
252	100		
254	65.1	52.0	78.0
126	10.7	9.7	14.5



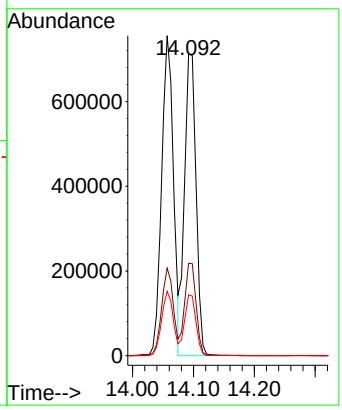


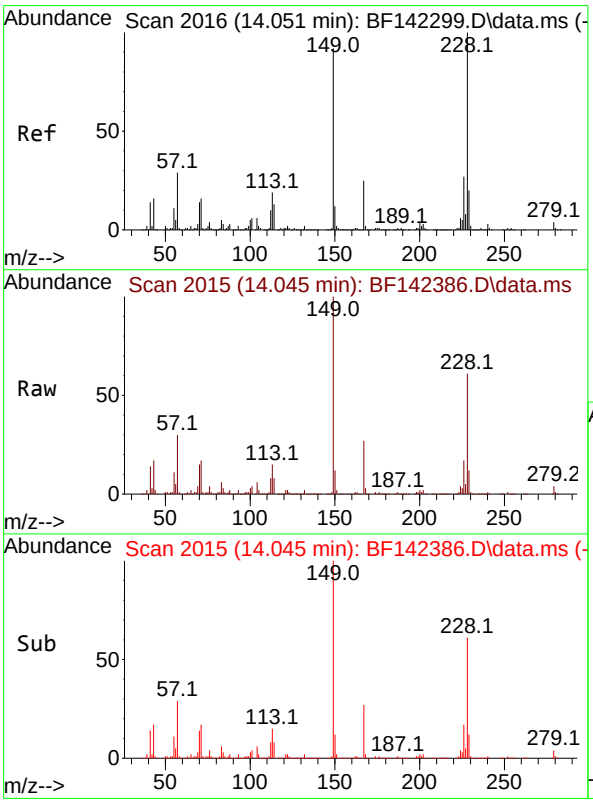
#83
Chrysene
Concen: 43.452 ng
RT: 14.092 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:228 Resp: 939233

Ion	Ratio	Lower	Upper
228	100		
226	30.7	23.9	35.9
229	20.2	15.4	23.2

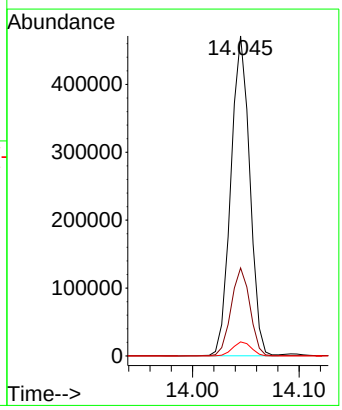


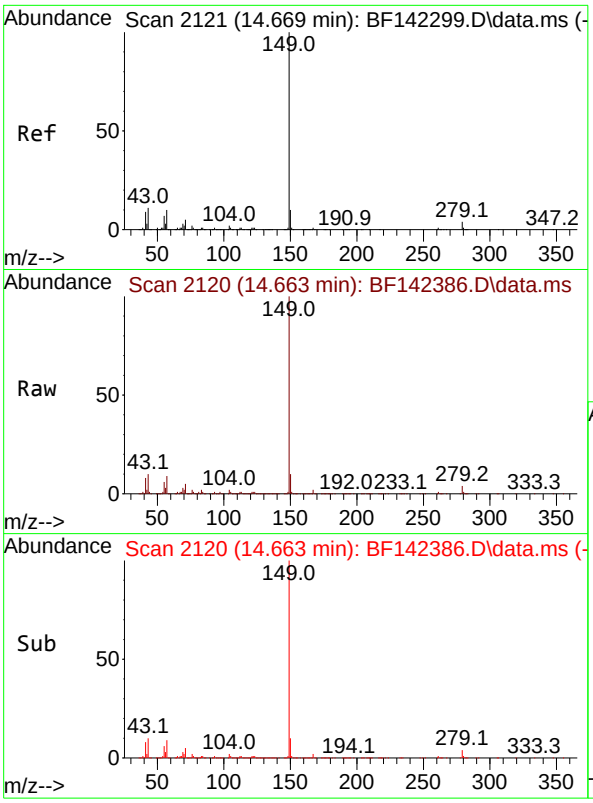


#84
Bis(2-ethylhexyl)phthalate
Concen: 47.979 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:149 Resp: 581894

Ion	Ratio	Lower	Upper
149	100		
167	27.5	22.0	33.0
279	4.4	3.0	4.6



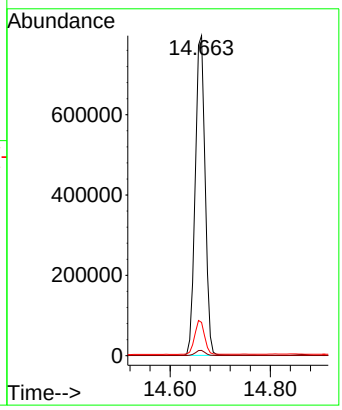


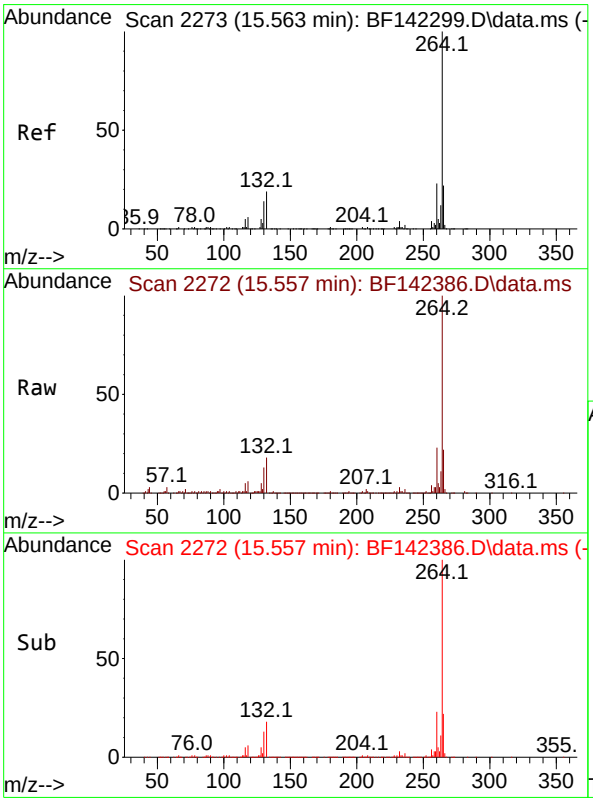
#85
Di-n-octyl phthalate
Concen: 49.196 ng
RT: 14.663 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:149 Resp: 1080903

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.1	1.7
43	10.5	9.2	13.8

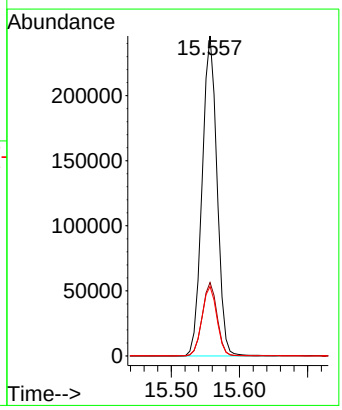


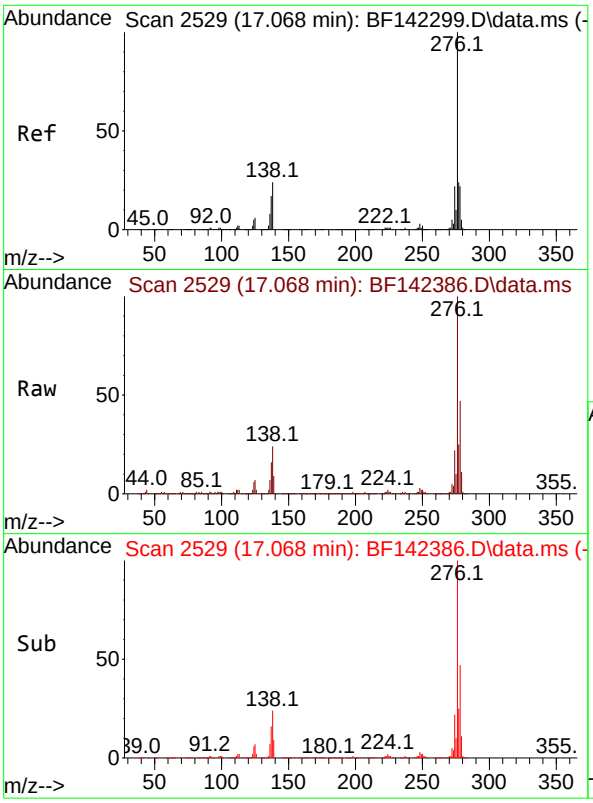


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2272
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:264 Resp: 373046

Ion	Ratio	Lower	Upper
264	100		
260	22.9	18.6	27.8
265	21.7	17.5	26.3



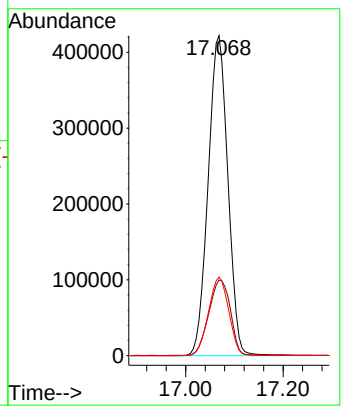


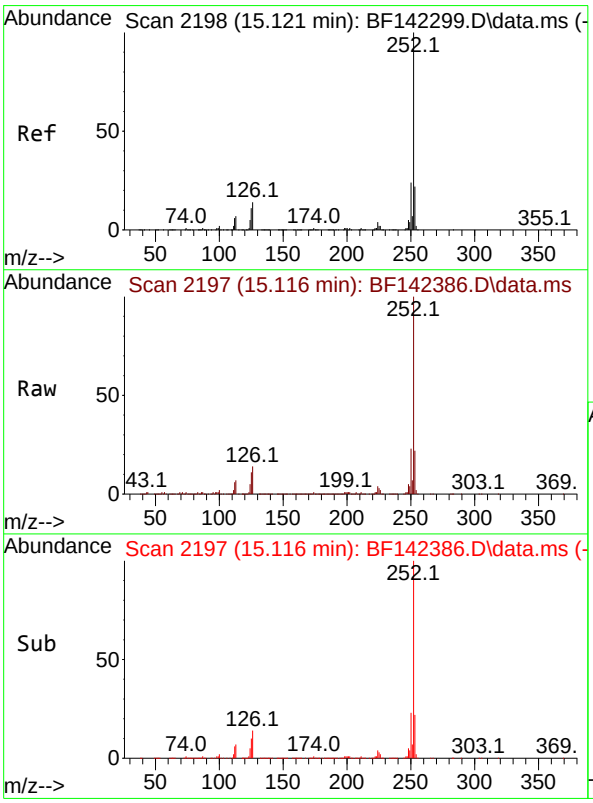
#87
Indeno(1,2,3-cd)pyrene
Concen: 45.630 ng
RT: 17.068 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:276 Resp: 1184117

Ion	Ratio	Lower	Upper
276	100		
138	25.8	22.0	33.0
277	25.4	20.1	30.1

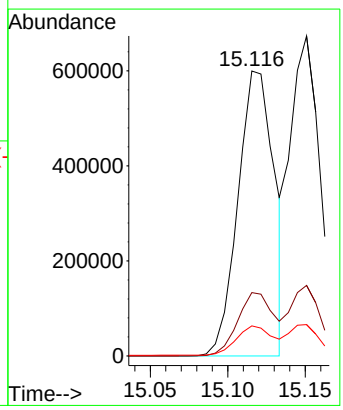


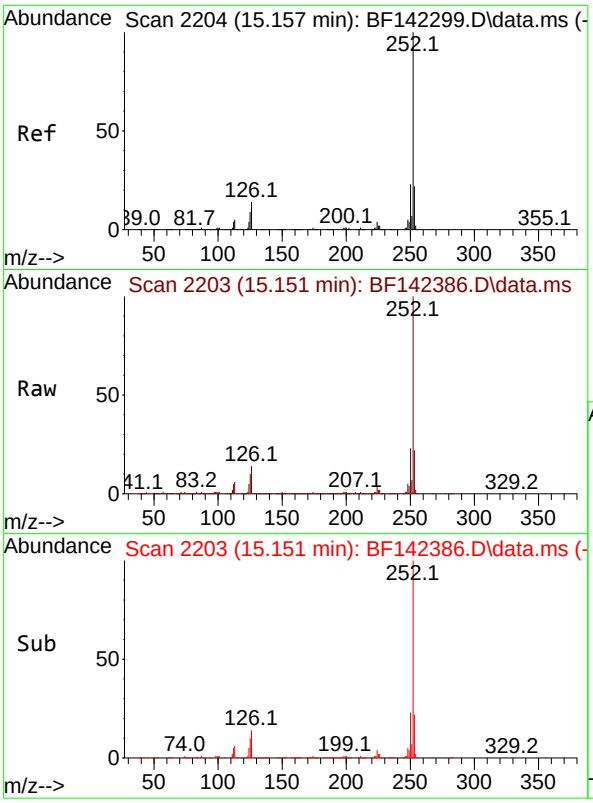


#88
Benzo(b)fluoranthene
Concen: 43.176 ng
RT: 15.116 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:252 Resp: 975513

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	10.6	8.7	13.1



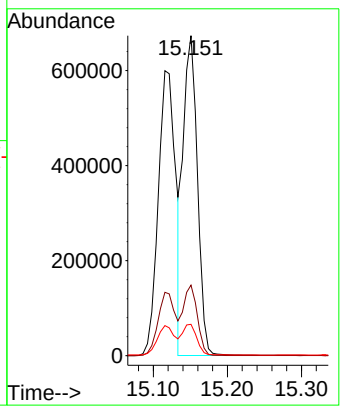


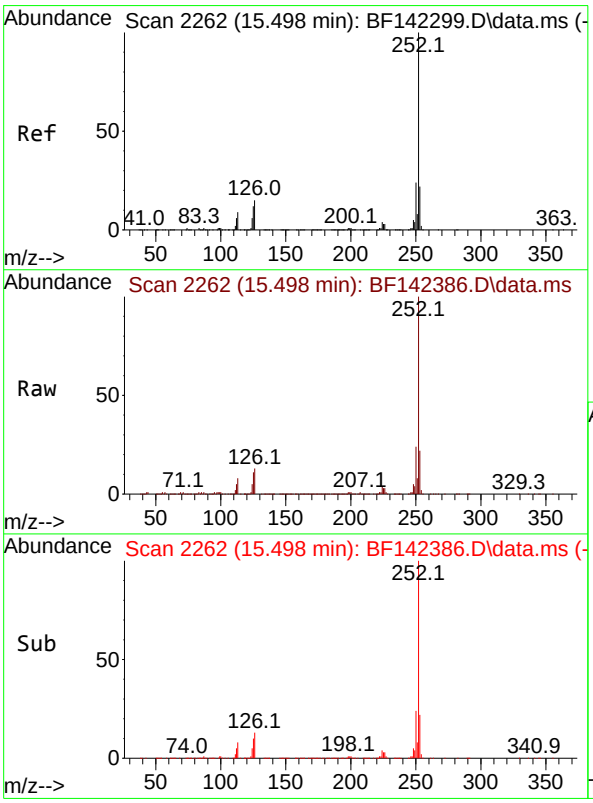
#89
Benzo(k)fluoranthene
Concen: 43.649 ng
RT: 15.151 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:252 Resp: 902489

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.6	26.4
125	9.8	8.1	12.1

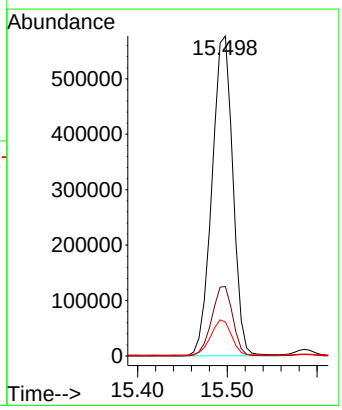


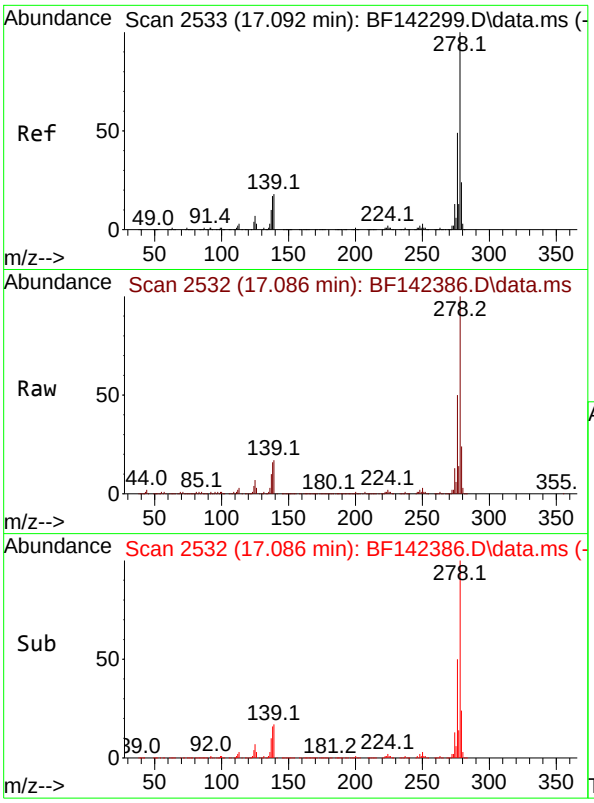


#90
Benzo(a)pyrene
Concen: 46.057 ng
RT: 15.498 min Scan# 2262
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:252 Resp: 932498

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.6
125	10.6	9.4	14.0



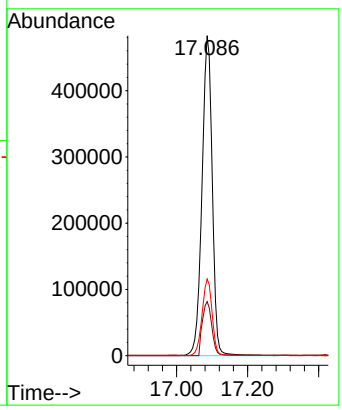


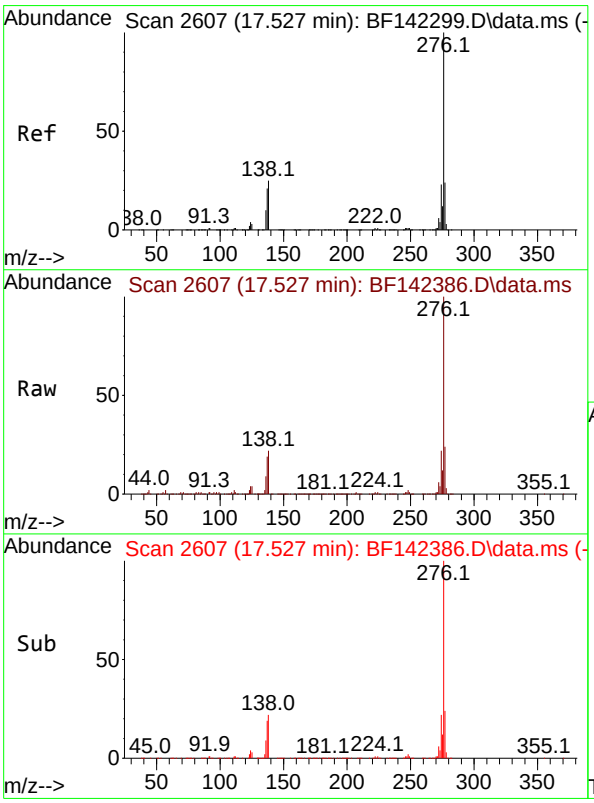
#91
Dibenzo(a,h)anthracene
Concen: 45.433 ng
RT: 17.086 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

Tgt Ion:278 Resp: 974032

Ion	Ratio	Lower	Upper
278	100		
139	16.9	14.5	21.7
279	24.0	18.9	28.3

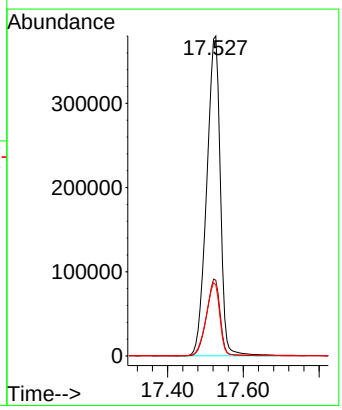




#92
Benzo(g,h,i)perylene
Concen: 44.356 ng
RT: 17.527 min Scan# 2607
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Tgt Ion:276 Resp: 943811

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.0	28.6
138	22.2	19.8	29.6



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142388.D
Acq On : 15 May 2025 12:18
Operator : RC/JU
Sample : Q1993-02MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Quant Time: May 15 13:13:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.904	152	172758	20.000	ng		0.00
21) Naphthalene-d8	8.187	136	661579	20.000	ng		0.00
39) Acenaphthene-d10	9.939	164	349080	20.000	ng		0.00
64) Phenanthrene-d10	11.428	188	537648	20.000	ng		0.00
76) Chrysene-d12	14.069	240	310239	20.000	ng		0.00
86) Perylene-d12	15.557	264	367976	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.516	112	645246	63.759	ng		0.00
7) Phenol-d6	6.522	99	513718	41.273	ng		0.00
23) Nitrobenzene-d5	7.469	82	932224	85.936	ng		0.00
42) 2,4,6-Tribromophenol	10.733	330	464026	137.681	ng		0.00
45) 2-Fluorobiphenyl	9.263	172	1860447	75.993	ng		0.00
79) Terphenyl-d14	13.010	244	1429949	68.221	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.728	88	78691	17.267	ng		97
3) Pyridine	3.487	79	182339	17.042	ng		98
4) n-Nitrosodimethylamine	3.428	42	115314	18.544	ng		94
6) Aniline	6.563	93	404794	33.156	ng		99
8) 2-Chlorophenol	6.687	128	409681	37.883	ng		97
9) Benzaldehyde	6.451	77	243231	33.388	ng		99
10) Phenol	6.534	94	228634	17.329	ng		98
11) bis(2-Chloroethyl)ether	6.634	93	443232	34.066	ng		97
12) 1,3-Dichlorobenzene	6.846	146	412960	33.378	ng		97
13) 1,4-Dichlorobenzene	6.922	146	422266	33.992	ng		99
14) 1,2-Dichlorobenzene	7.075	146	416285	34.912	ng		99
15) Benzyl Alcohol	7.040	79	272744	33.840	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.175	45	753579	38.785	ng		99
17) 2-Methylphenol	7.151	107	276466	31.577	ng		99
18) Hexachloroethane	7.416	117	140013	33.875	ng		99
19) n-Nitroso-di-n-propyla...	7.316	70	329104	42.745	ng		97
20) 3+4-Methylphenols	7.304	107	310142	28.383	ng	#	64
22) Acetophenone	7.310	105	629515	42.795	ng		99
24) Nitrobenzene	7.487	77	471629	46.123	ng		96
25) Isophorone	7.722	82	902585	43.939	ng		100
26) 2-Nitrophenol	7.798	139	254589	51.343	ng		99
27) 2,4-Dimethylphenol	7.834	122	422391	40.898	ng		99
28) bis(2-Chloroethoxy)met...	7.934	93	563392	42.653	ng		98
29) 2,4-Dichlorophenol	8.040	162	394568	44.936	ng		98
30) 1,2,4-Trichlorobenzene	8.128	180	395832	40.057	ng		99
31) Naphthalene	8.210	128	1302962	40.636	ng		100
32) Benzoic acid	7.904	122	88700	21.457	ng		99
33) 4-Chloroaniline	8.251	127	217827	16.649	ng		99
34) Hexachlorobutadiene	8.322	225	227885	38.945	ng		100
35) Caprolactam	8.622	113	22274	8.704	ng		98
36) 4-Chloro-3-methylphenol	8.722	107	372907	40.855	ng		100
37) 2-Methylnaphthalene	8.898	142	848266	42.575	ng		99
38) 1-Methylnaphthalene	8.998	142	875361	42.153	ng		99
40) 1,2,4,5-Tetrachloroben...	9.063	216	424400	43.530	ng		99
41) Hexachlorocyclopentadiene	9.051	237	507870	84.288	ng		99
43) 2,4,6-Trichlorophenol	9.169	196	314642	51.164	ng		99

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142388.D
Acq On : 15 May 2025 12:18
Operator : RC/JU
Sample : Q1993-02MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Quant Time: May 15 13:13:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	304721	46.570	ng		98
46) 1,1'-Biphenyl	9.363	154	1168846	43.670	ng		99
47) 2-Chloronaphthalene	9.387	162	866810	43.548	ng		99
48) 2-Nitroaniline	9.481	65	257479	50.466	ng		91
49) Acenaphthylene	9.804	152	1443735	43.358	ng		100
50) Dimethylphthalate	9.663	163	1038662	46.337	ng		100
51) 2,6-Dinitrotoluene	9.722	165	230553	54.949	ng		89
52) Acenaphthene	9.975	154	963224	48.109	ng		98
53) 3-Nitroaniline	9.886	138	127310	25.872	ng		95
54) 2,4-Dinitrophenol	9.998	184	242565	107.582	ng	#	1
55) Dibenzofuran	10.145	168	1273696	43.106	ng		99
56) 4-Nitrophenol	10.039	139	134214	36.240	ng		97
57) 2,4-Dinitrotoluene	10.122	165	300847	55.899	ng		96
58) Fluorene	10.492	166	958116	42.489	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	262685	48.631	ng		97
60) Diethylphthalate	10.363	149	1563487	69.844	ng		99
61) 4-Chlorophenyl-phenyle...	10.481	204	484239	44.510	ng		99
62) 4-Nitroaniline	10.504	138	190164	48.759	ng		100
63) Azobenzene	10.639	77	940653	43.974	ng		99
65) 4,6-Dinitro-2-methylph...	10.534	198	150445	58.228	ng		93
66) n-Nitrosodiphenylamine	10.598	169	859278	48.029	ng		99
67) 4-Bromophenyl-phenylether	10.975	248	304081	49.904	ng		95
68) Hexachlorobenzene	11.039	284	333282	49.725	ng		94
69) Atrazine	11.128	200	213276	45.223	ng		99
70) Pentachlorophenol	11.228	266	371808	105.447	ng		99
71) Phenanthrene	11.451	178	1258546	44.657	ng		100
72) Anthracene	11.504	178	1270435	43.873	ng		100
73) Carbazole	11.657	167	1049104	40.382	ng		99
74) Di-n-butylphthalate	11.986	149	1375619	50.356	ng		100
75) Fluoranthene	12.639	202	1121887	39.823	ng		99
77) Benzidine	12.763	184	62808	11.140	ng		97
78) Pyrene	12.869	202	1088440	39.416	ng		99
80) Butylbenzylphthalate	13.486	149	444086	54.564	ng		98
81) Benzo(a)anthracene	14.057	228	928873	46.232	ng		100
82) 3,3'-Dichlorobenzidine	14.016	252	192303	41.159	ng		98
83) Chrysene	14.092	228	851984	45.552	ng		99
84) Bis(2-ethylhexyl)phtha...	14.045	149	604179	56.725	ng		100
85) Di-n-octyl phthalate	14.657	149	1077874	55.501	ng		97
87) Indeno(1,2,3-cd)pyrene	17.063	276	1032531	40.337	ng		98
88) Benzo(b)fluoranthene	15.116	252	1033127	46.356	ng		99
89) Benzo(k)fluoranthene	15.151	252	946000	46.383	ng		99
90) Benzo(a)pyrene	15.492	252	974319	48.786	ng		99
91) Dibenzo(a,h)anthracene	17.080	278	842856	39.856	ng		99
92) Benzo(g,h,i)perylene	17.521	276	790907	37.682	ng		98

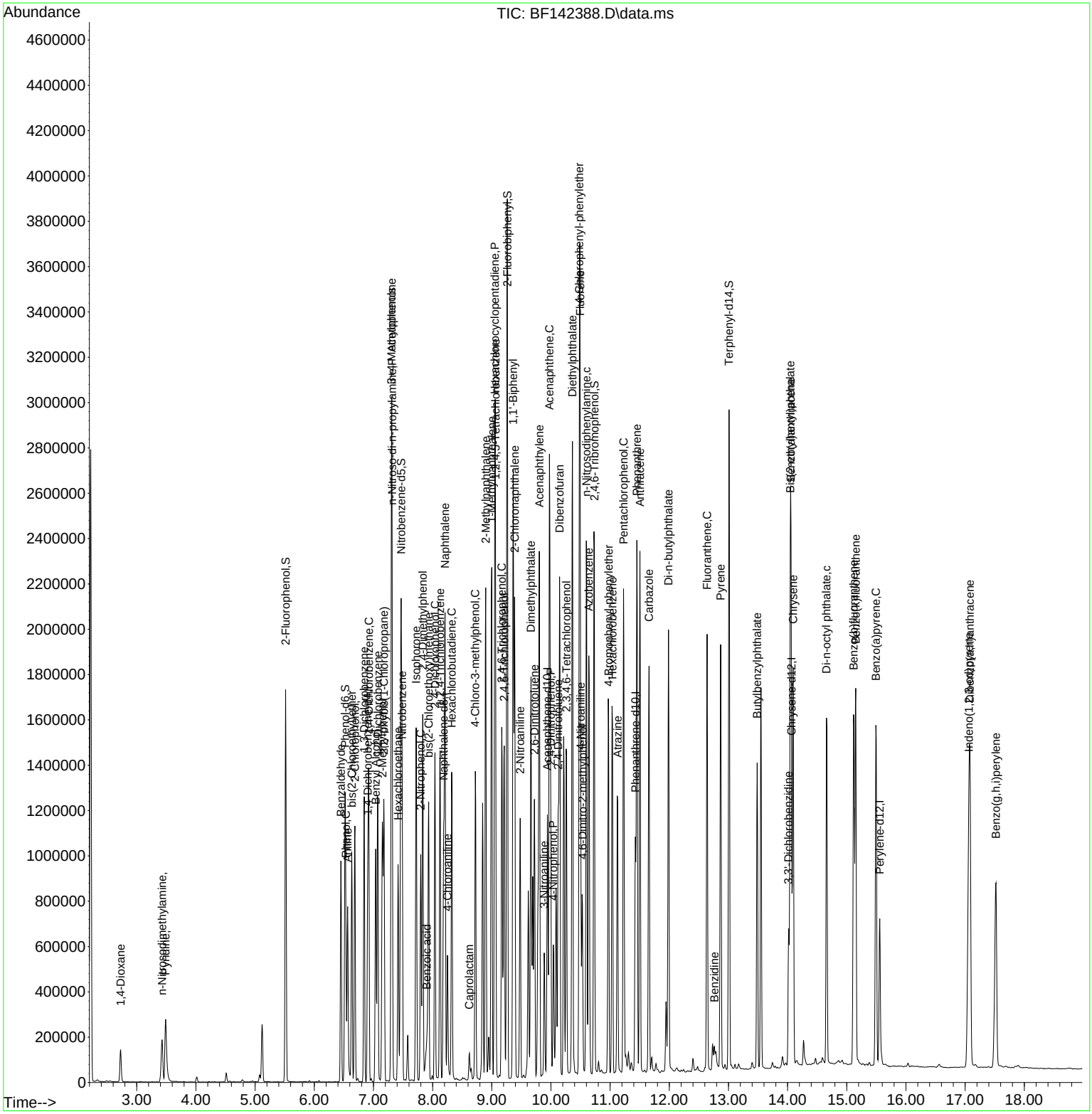
(#) = qualifier out of range (m) = manual integration (+) = signals summed

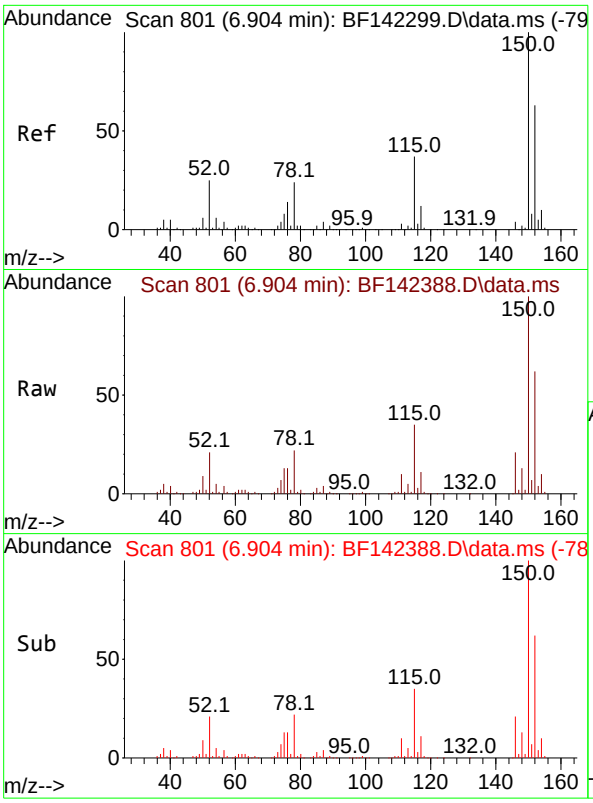
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142388.D
Acq On : 15 May 2025 12:18
Operator : RC/JU
Sample : Q1993-02MS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Quant Time: May 15 13:13:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration



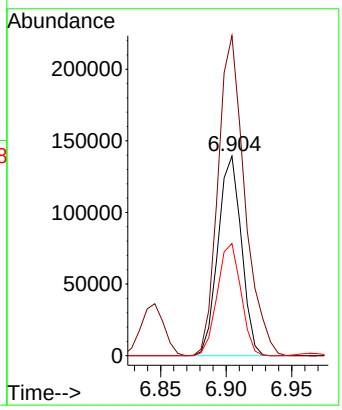


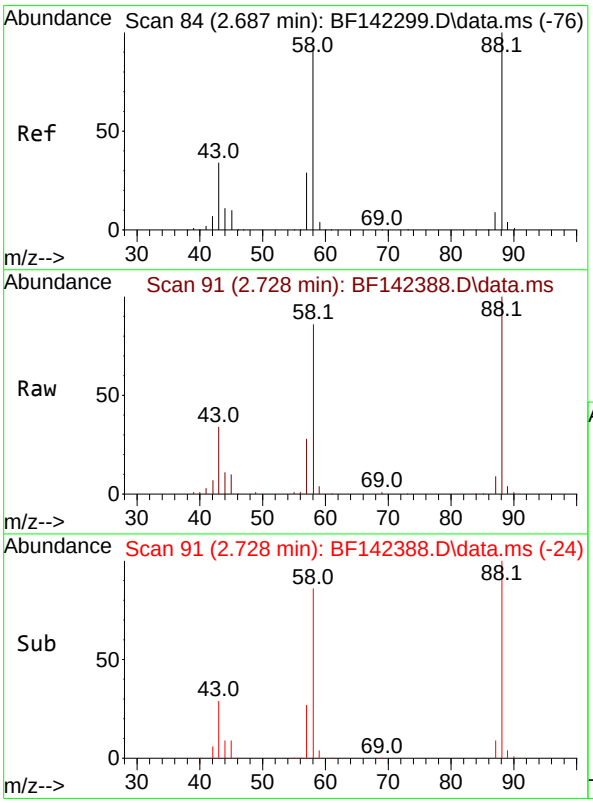
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:152 Resp: 172758

Ion	Ratio	Lower	Upper
152	100		
150	160.4	126.6	190.0
115	56.2	47.3	70.9

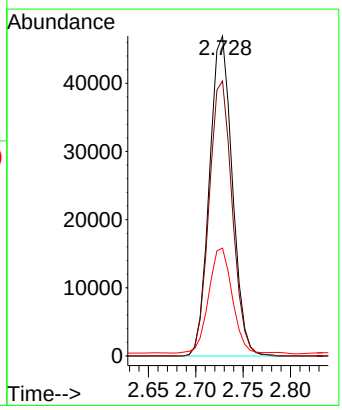


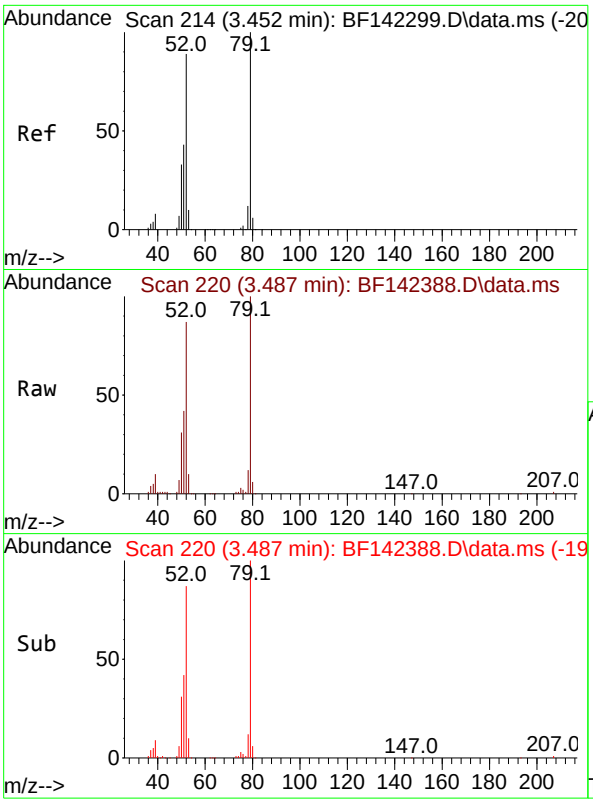


#2
1,4-Dioxane
Concen: 17.267 ng
RT: 2.728 min Scan# 91
Delta R.T. 0.041 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion: 88 Resp: 78691

Ion	Ratio	Lower	Upper
88	100		
58	87.3	73.0	109.4
43	33.6	27.8	41.6



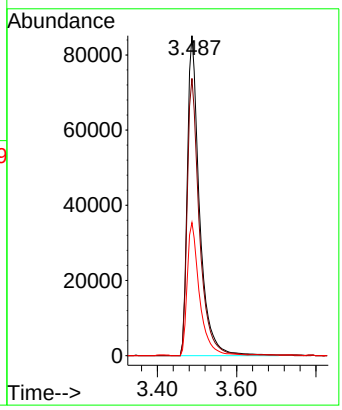


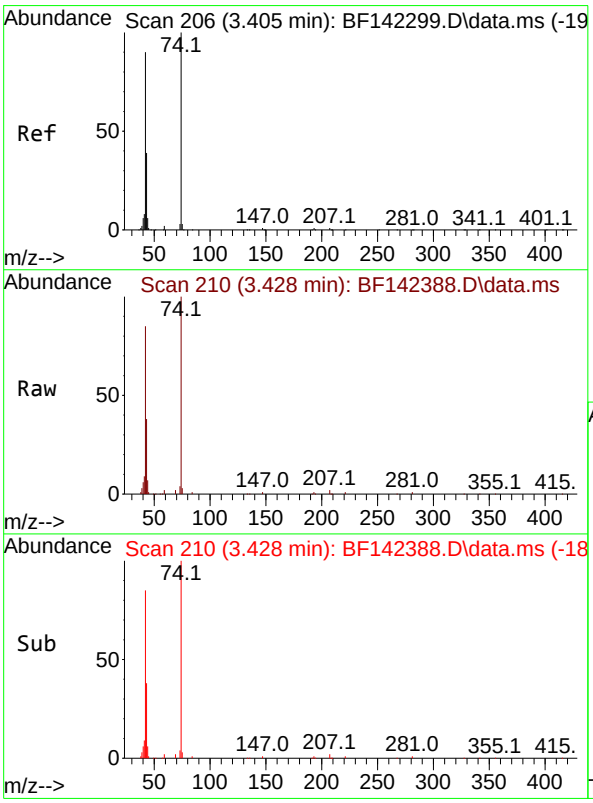
#3
Pyridine
Concen: 17.042 ng
RT: 3.487 min Scan# 2
Delta R.T. 0.035 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion: 79 Resp: 182339

Ion	Ratio	Lower	Upper
79	100		
52	86.6	71.0	106.4
51	41.6	34.9	52.3

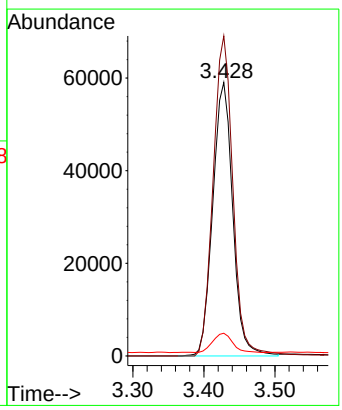


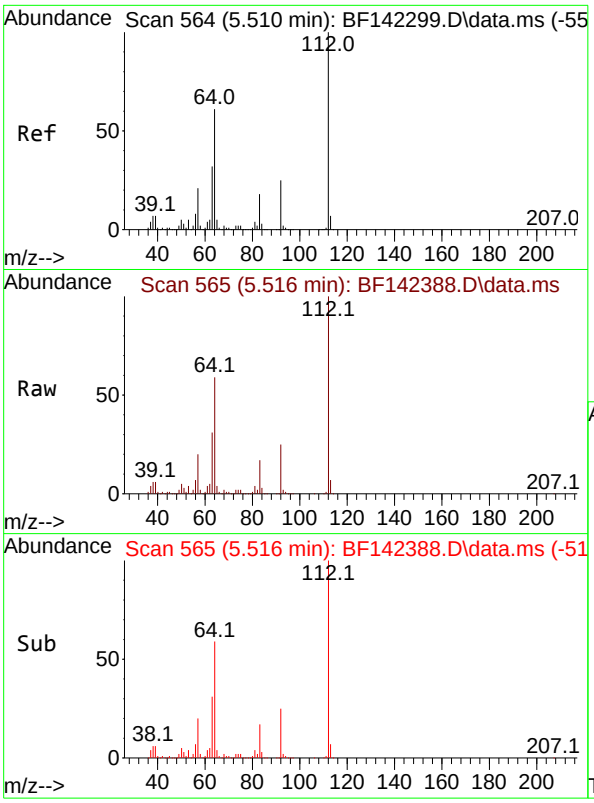


#4
n-Nitrosodimethylamine
Concen: 18.544 ng
RT: 3.428 min Scan# 210
Delta R.T. 0.024 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion: 42 Resp: 115314

Ion	Ratio	Lower	Upper
42	100		
74	117.0	88.5	132.7
44	8.3	5.8	8.8



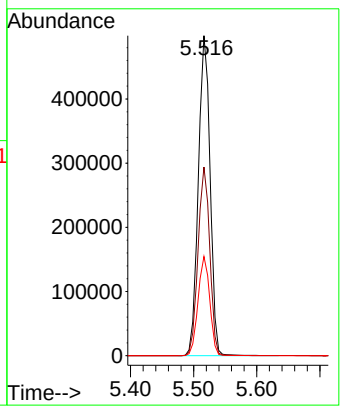


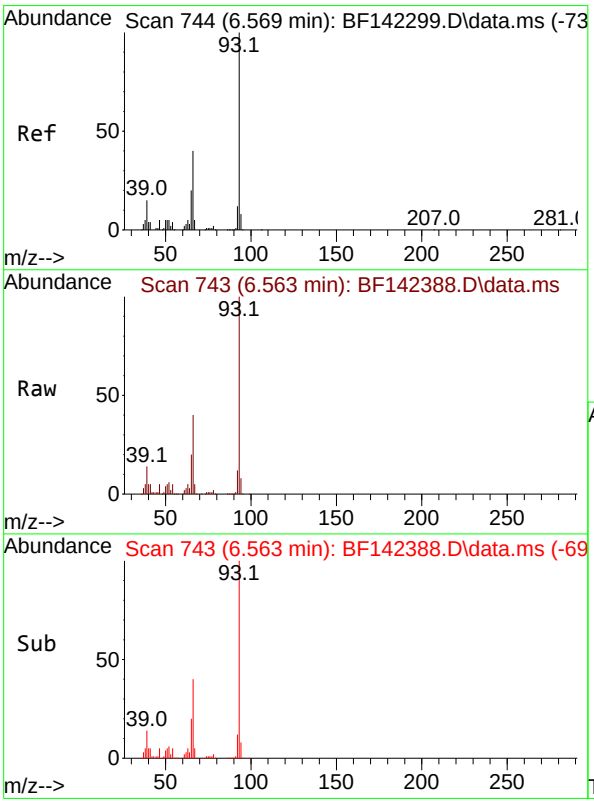
#5
2-Fluorophenol
Concen: 63.759 ng
RT: 5.516 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:112 Resp: 645246

Ion	Ratio	Lower	Upper
112	100		
64	58.9	48.9	73.3
63	31.0	25.6	38.4

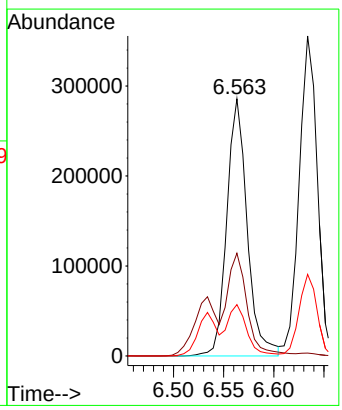


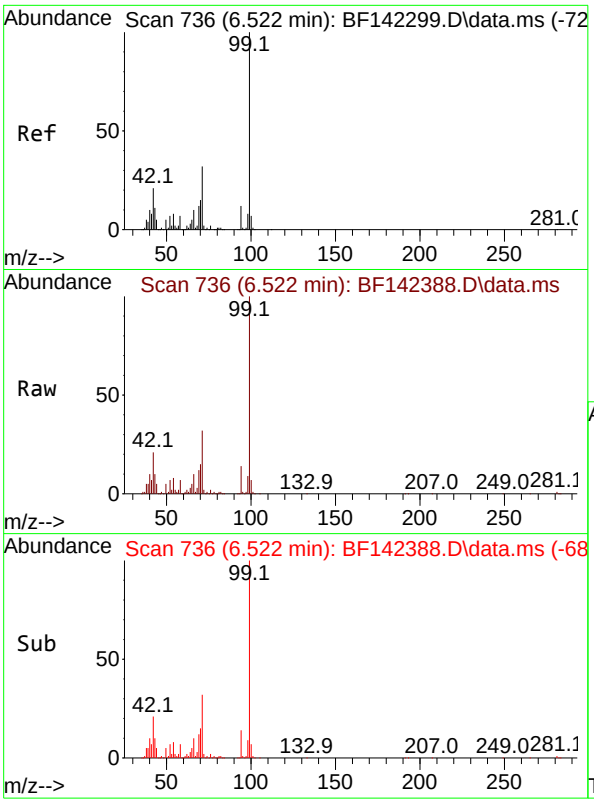


#6
Aniline
Concen: 33.156 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion: 93 Resp: 404794

Ion	Ratio	Lower	Upper
93	100		
66	39.9	32.2	48.4
65	20.0	16.3	24.5



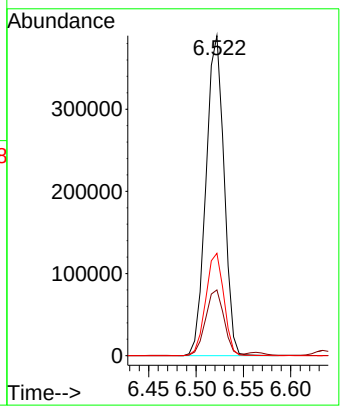


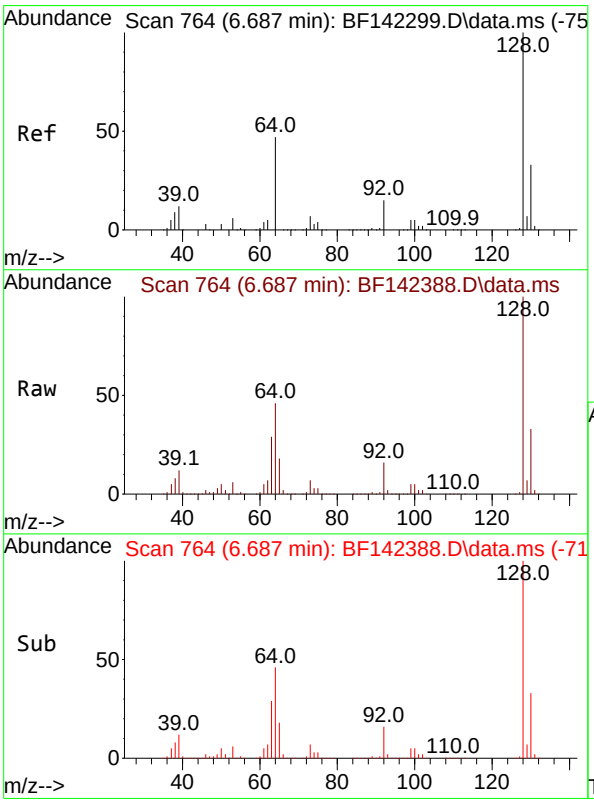
#7
Phenol-d6
Concen: 41.273 ng
RT: 6.522 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion: 99 Resp: 513718

Ion	Ratio	Lower	Upper
99	100		
42	20.6	17.0	25.4
71	32.0	25.8	38.8

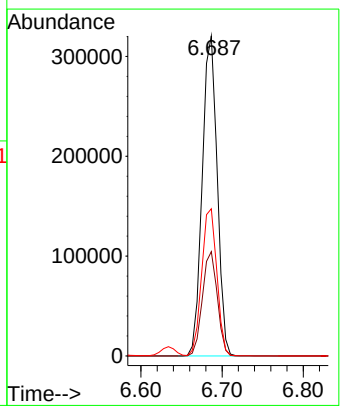


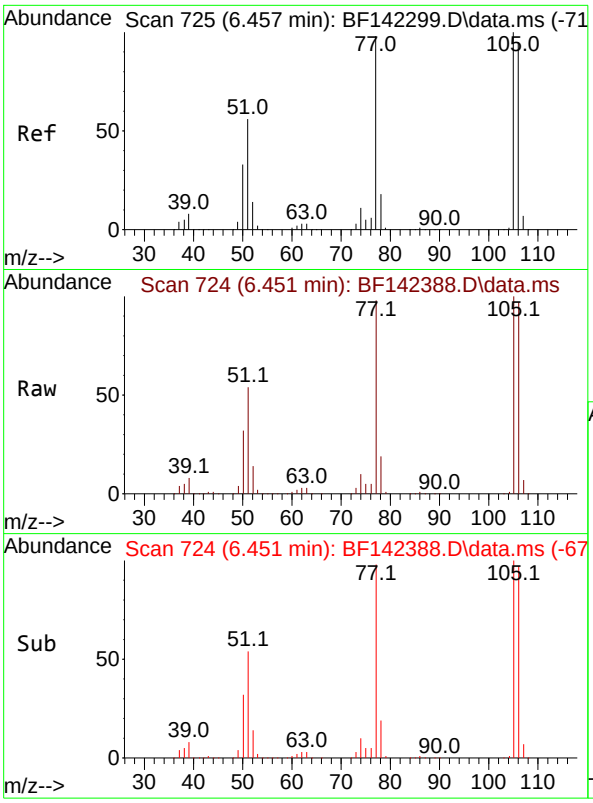


#8
2-Chlorophenol
Concen: 37.883 ng
RT: 6.687 min Scan# 764
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:128 Resp: 409681

Ion	Ratio	Lower	Upper
128	100		
130	32.6	12.7	52.7
64	46.0	29.2	69.2



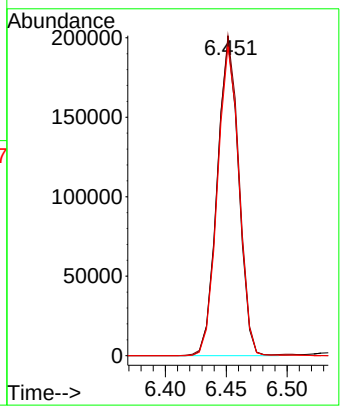


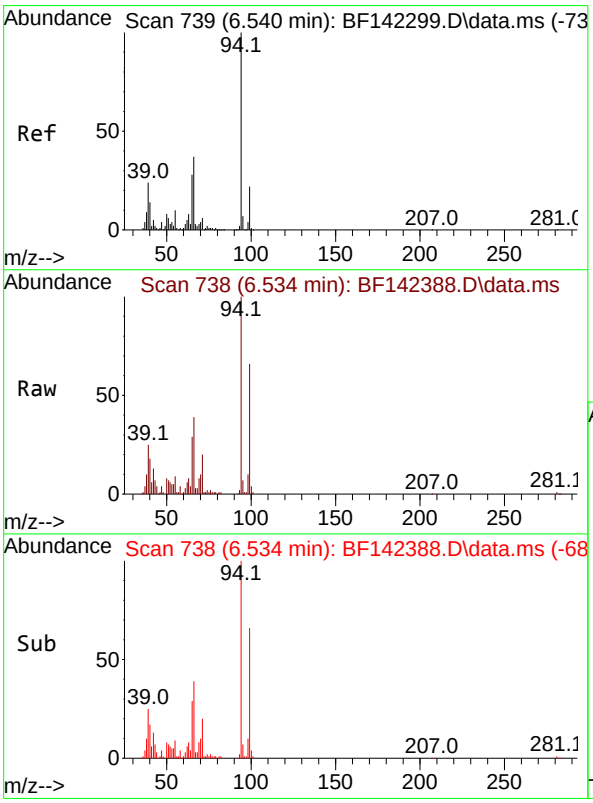
#9
Benzaldehyde
Concen: 33.388 ng
RT: 6.451 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion: 77 Resp: 243231

Ion	Ratio	Lower	Upper
77	100		
105	101.6	82.0	122.0
106	98.1	77.2	117.2

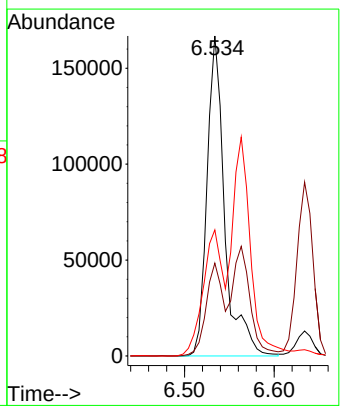


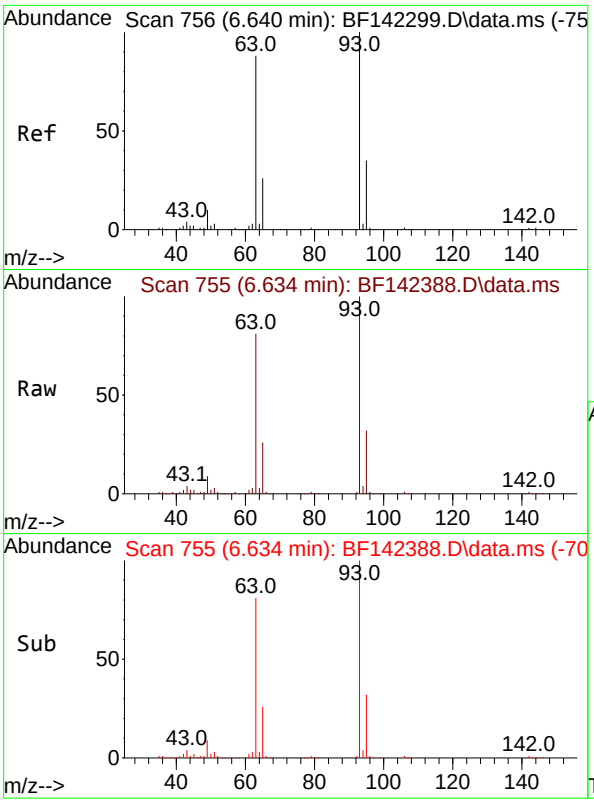


#10
Phenol
Concen: 17.329 ng
RT: 6.534 min Scan# 738
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion: 94 Resp: 228634

Ion	Ratio	Lower	Upper
94	100		
65	29.0	8.5	48.5
66	39.4	17.3	57.3



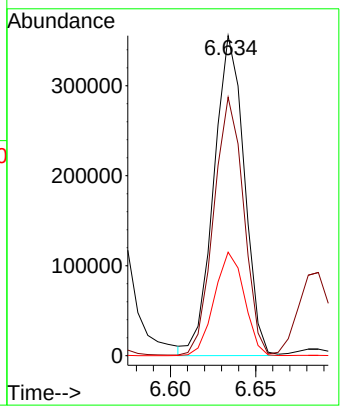


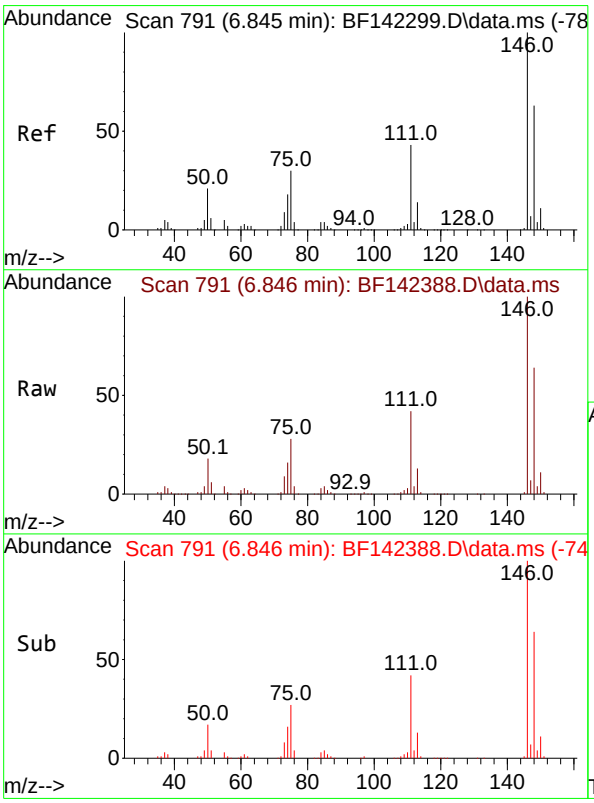
#11
bis(2-Chloroethyl)ether
Concen: 34.066 ng
RT: 6.634 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion: 93 Resp: 443232

Ion	Ratio	Lower	Upper
93	100		
63	80.7	58.4	98.4
95	32.4	10.6	50.6

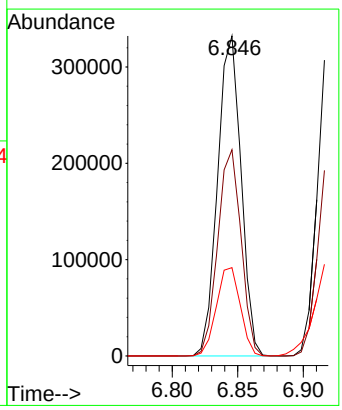


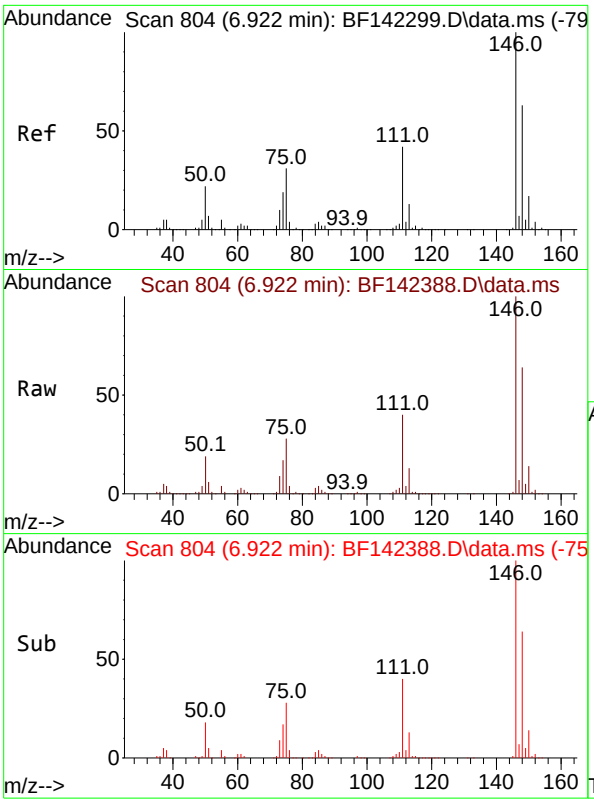


#12
1,3-Dichlorobenzene
Concen: 33.378 ng
RT: 6.846 min Scan# 791
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:146 Resp: 412960

Ion	Ratio	Lower	Upper
146	100		
148	64.4	50.6	76.0
75	27.6	24.2	36.4



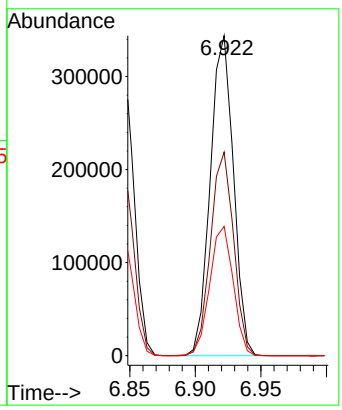


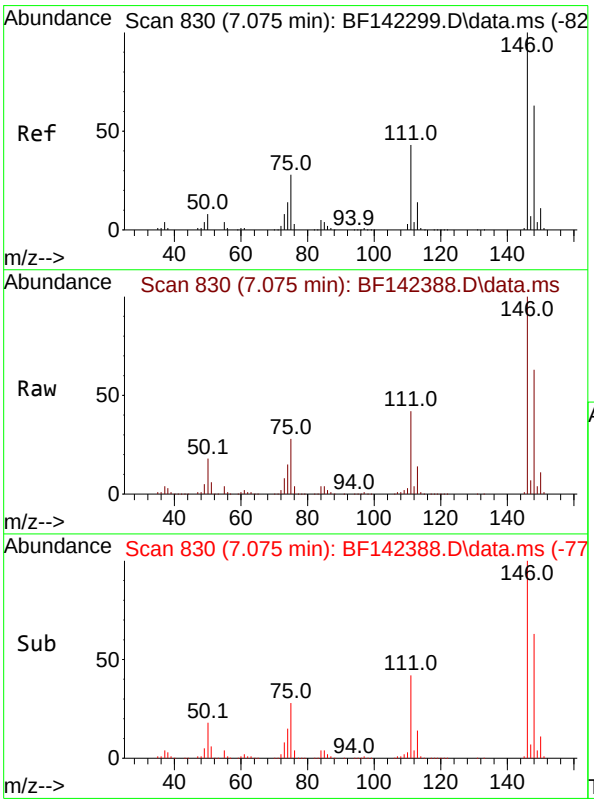
#13
1,4-Dichlorobenzene
Concen: 33.992 ng
RT: 6.922 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:146 Resp: 422266

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.5	75.7
111	40.4	33.4	50.2

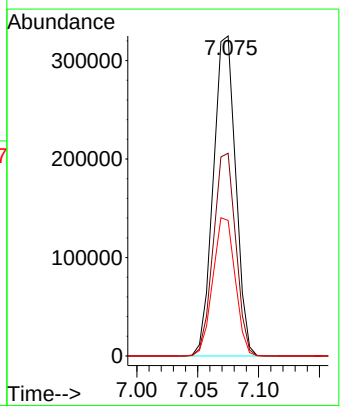


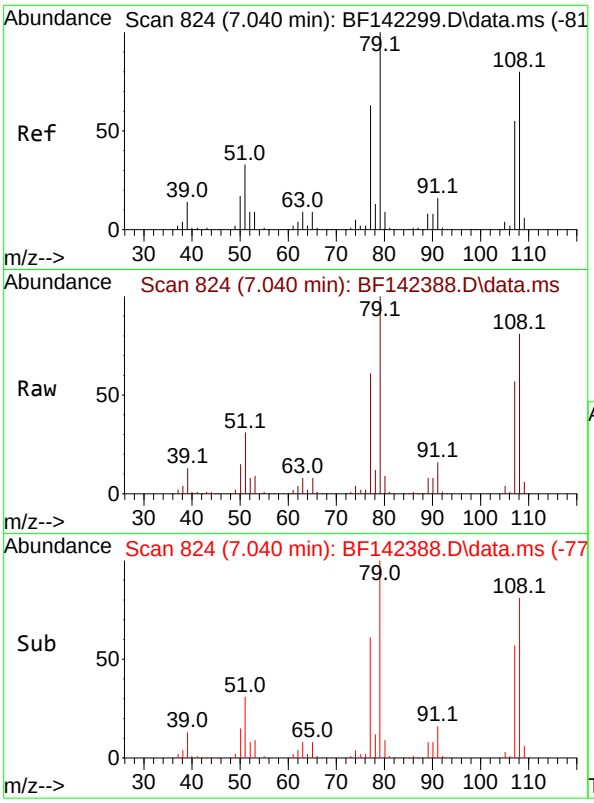


#14
1,2-Dichlorobenzene
Concen: 34.912 ng
RT: 7.075 min Scan# 830
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:146 Resp: 416285

Ion	Ratio	Lower	Upper
146	100		
148	63.3	50.3	75.5
111	42.3	34.5	51.7



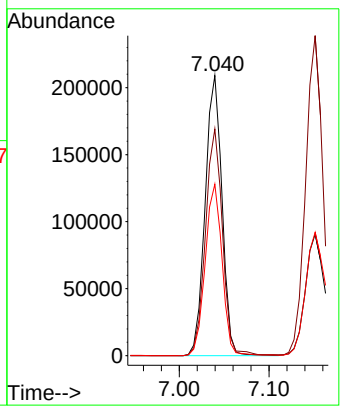


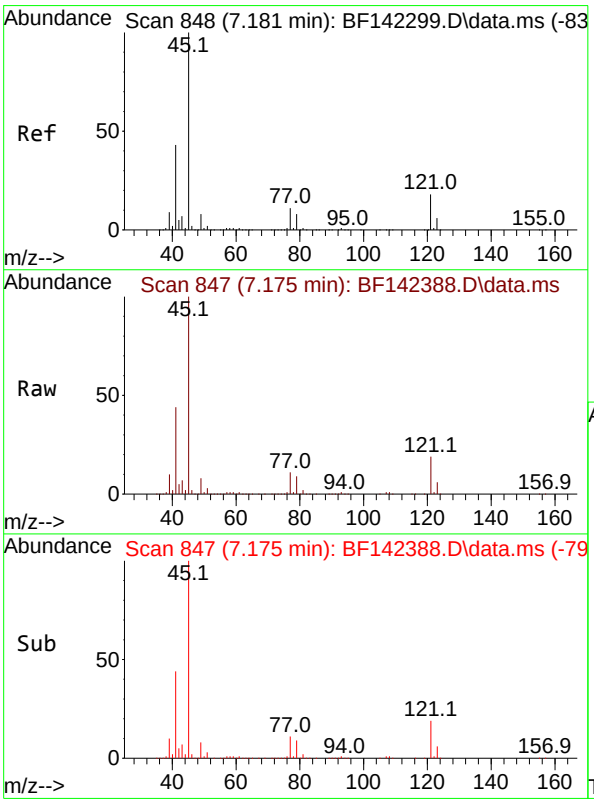
#15
Benzyl Alcohol
Concen: 33.840 ng
RT: 7.040 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion: 79 Resp: 272744

Ion	Ratio	Lower	Upper
79	100		
108	81.0	63.9	95.9
77	61.2	50.7	76.1

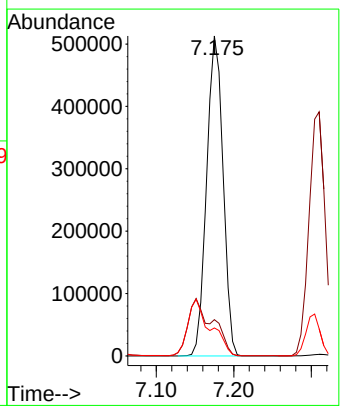


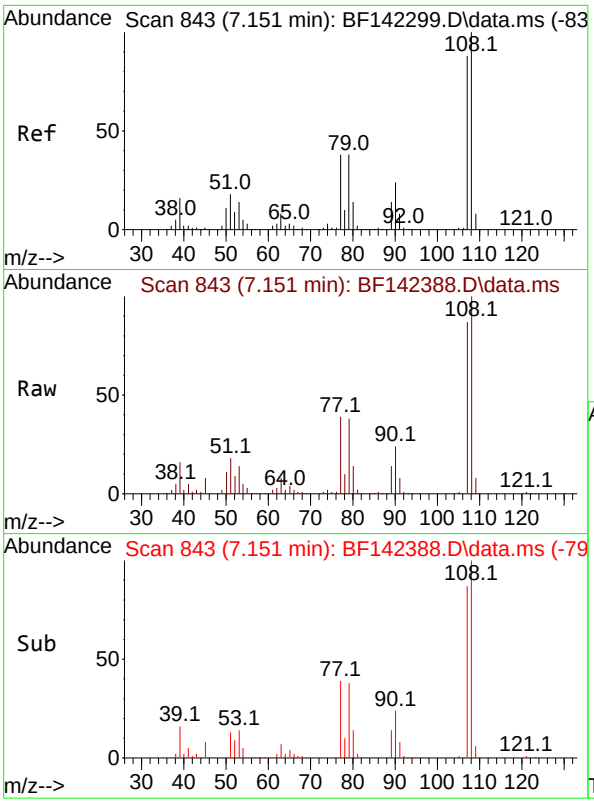


#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.785 ng
RT: 7.175 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion: 45 Resp: 753579

Ion	Ratio	Lower	Upper
45	100		
77	11.3	0.0	31.2
79	8.8	0.0	28.5



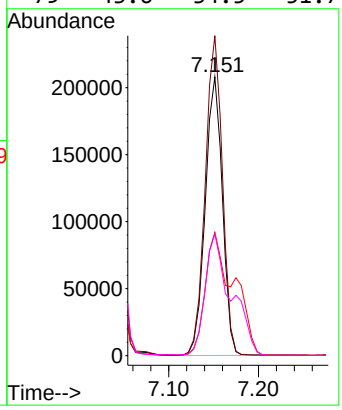


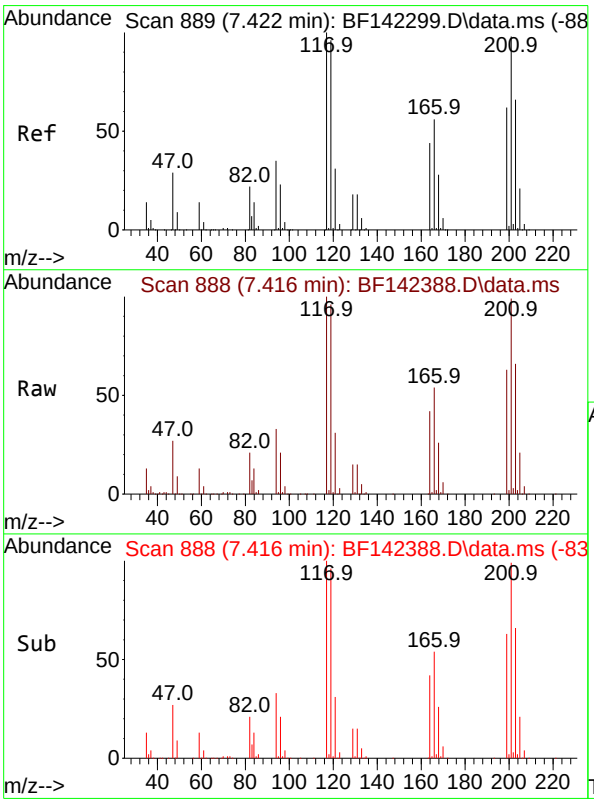
#17
2-Methylphenol
Concen: 31.577 ng
RT: 7.151 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:107 Resp: 276466

Ion	Ratio	Lower	Upper
107	100		
108	114.8	91.1	136.7
77	44.2	34.7	52.1
79	43.6	34.5	51.7

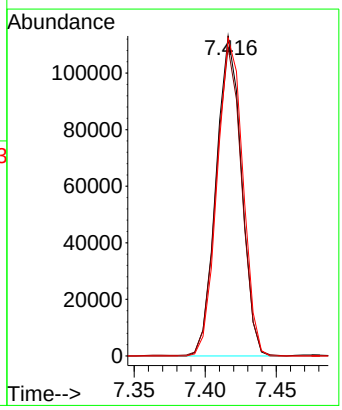


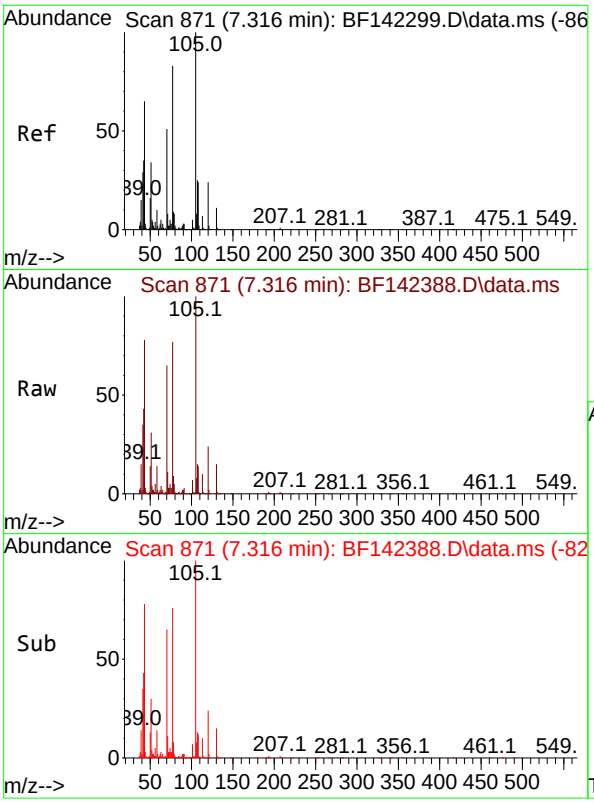


#18
Hexachloroethane
Concen: 33.875 ng
RT: 7.416 min Scan# 888
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:117 Resp: 140013

Ion	Ratio	Lower	Upper
117	100		
119	96.4	76.9	115.3
201	99.4	78.0	117.0



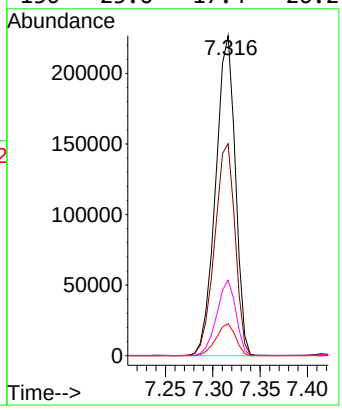


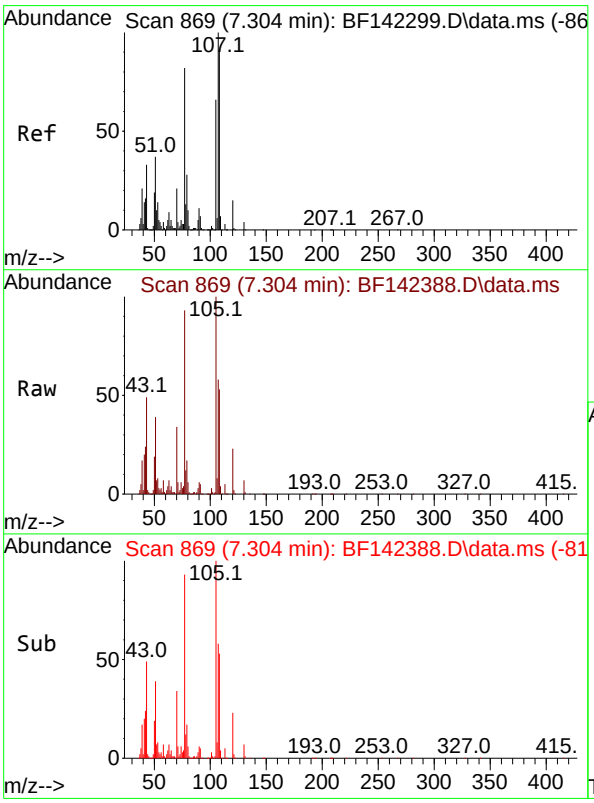
#19
n-Nitroso-di-n-propylamine
Concen: 42.745 ng
RT: 7.316 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion: 70 Resp: 329104

Ion	Ratio	Lower	Upper
70	100		
42	66.3	54.8	82.2
101	10.0	7.7	11.5
130	23.6	17.4	26.2

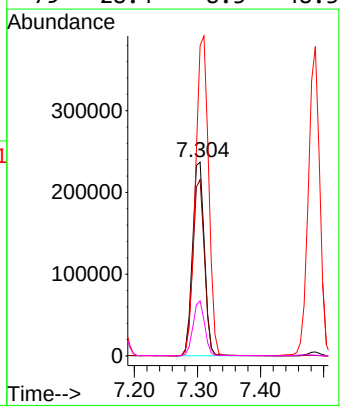


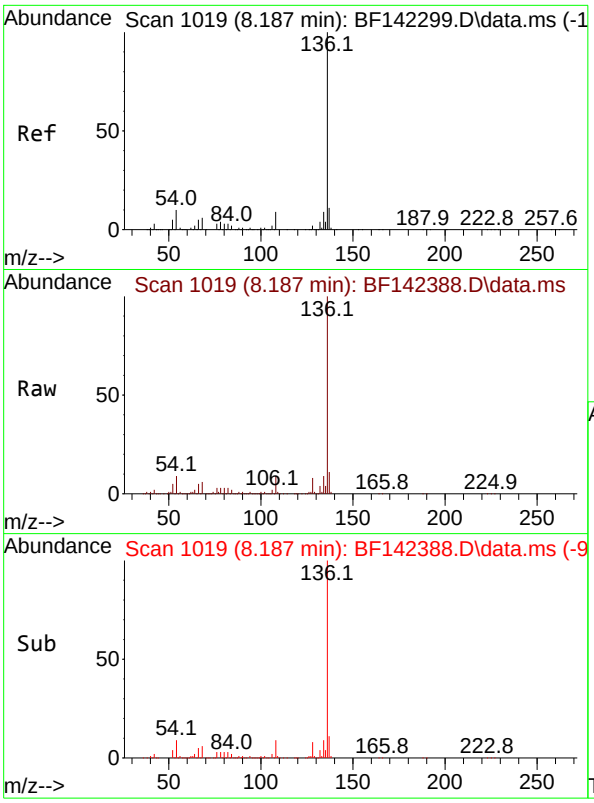


#20
3+4-Methylphenols
Concen: 28.383 ng
RT: 7.304 min Scan# 869
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:107 Resp: 310142

Ion	Ratio	Lower	Upper
107	100		
108	91.1	71.5	111.5
77	160.3	61.6	101.6#
79	28.4	8.3	48.3



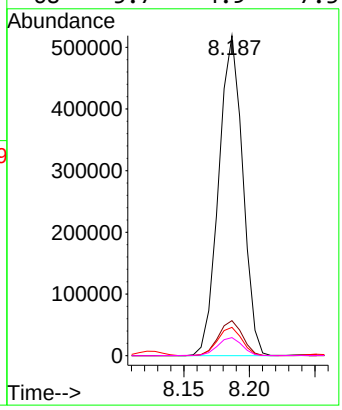


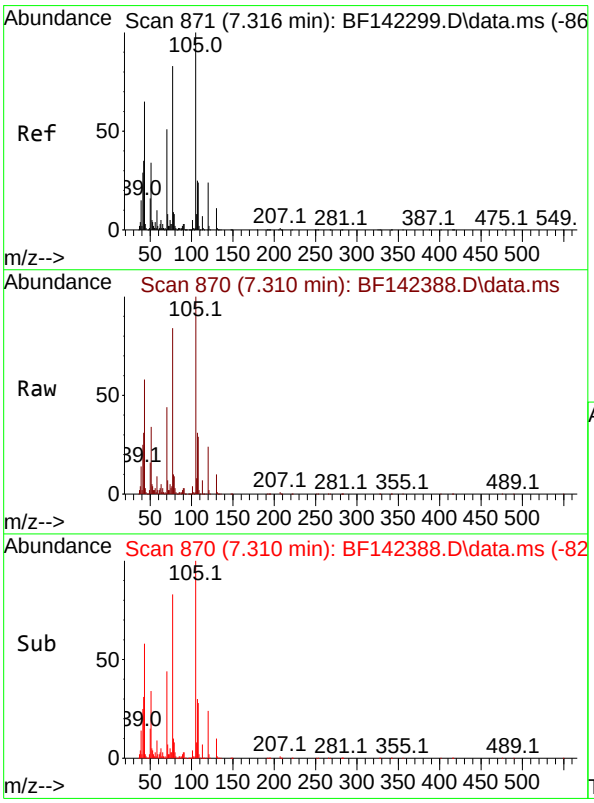
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:136 Resp: 661579

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	8.8	7.7	11.5
68	5.7	4.9	7.3

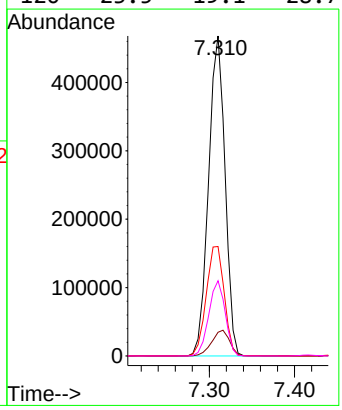


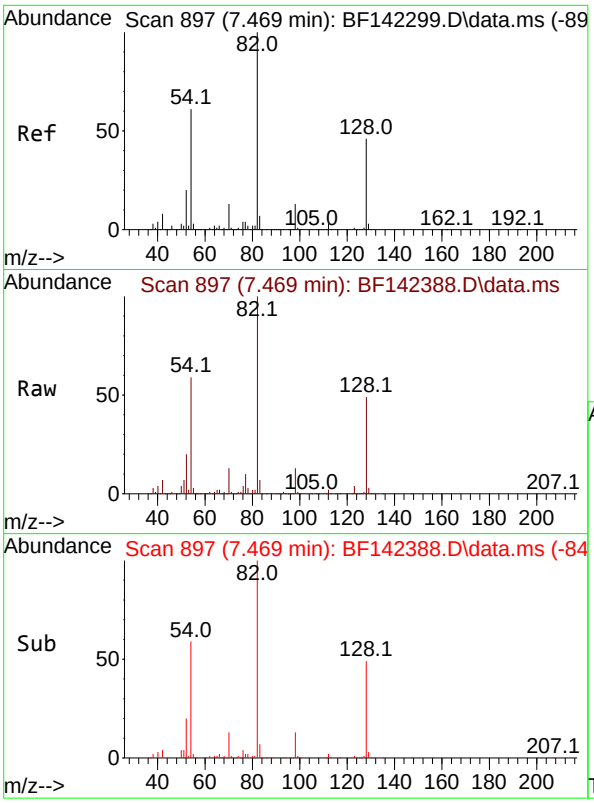


#22
Acetophenone
Concen: 42.795 ng
RT: 7.310 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:105 Resp: 629515

Ion	Ratio	Lower	Upper
105	100		
71	7.4	6.7	10.1
51	34.2	27.6	41.4
120	23.5	19.1	28.7



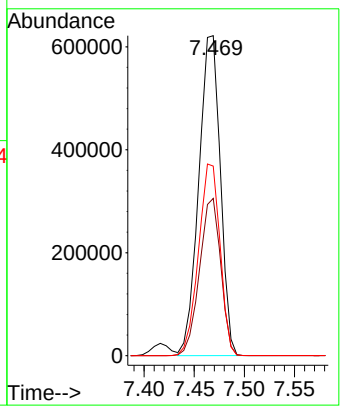


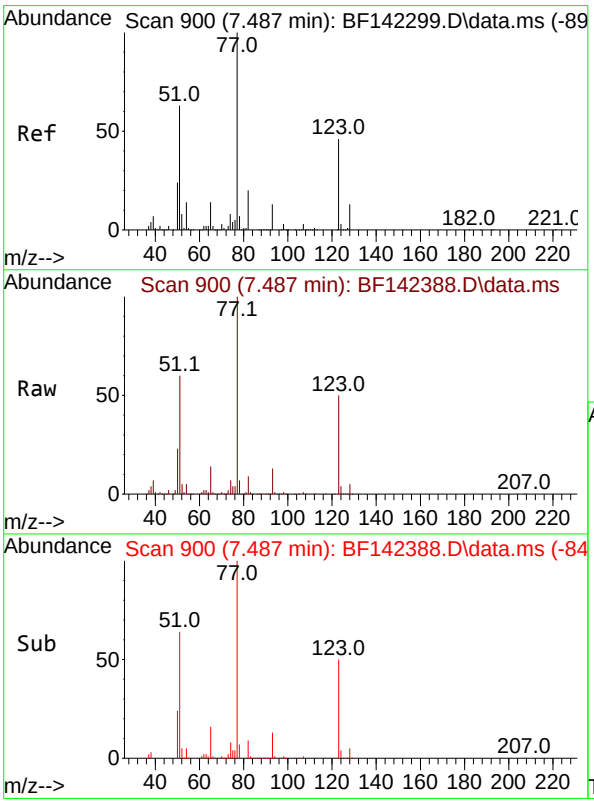
#23
Nitrobenzene-d5
Concen: 85.936 ng
RT: 7.469 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion: 82 Resp: 932224

Ion	Ratio	Lower	Upper
82	100		
128	49.2	37.0	55.6
54	59.3	48.6	73.0

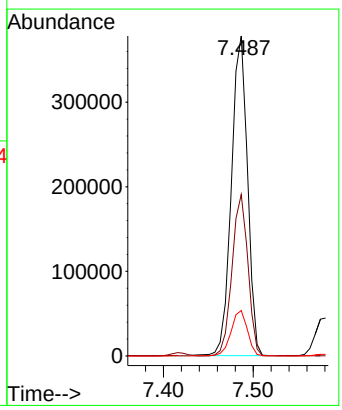


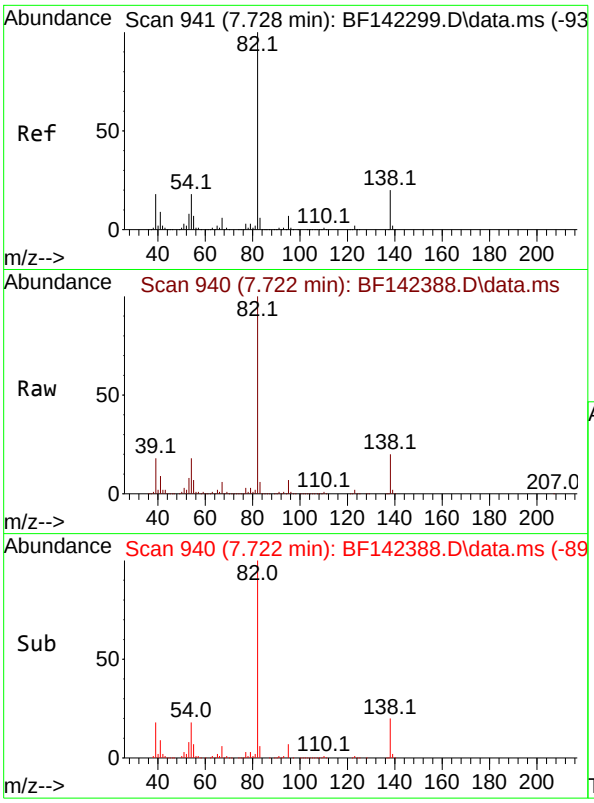


#24
Nitrobenzene
Concen: 46.123 ng
RT: 7.487 min Scan# 900
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion: 77 Resp: 471629

Ion	Ratio	Lower	Upper
77	100		
123	50.4	37.8	56.8
65	14.2	11.4	17.0



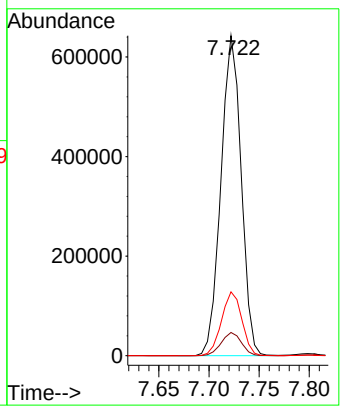


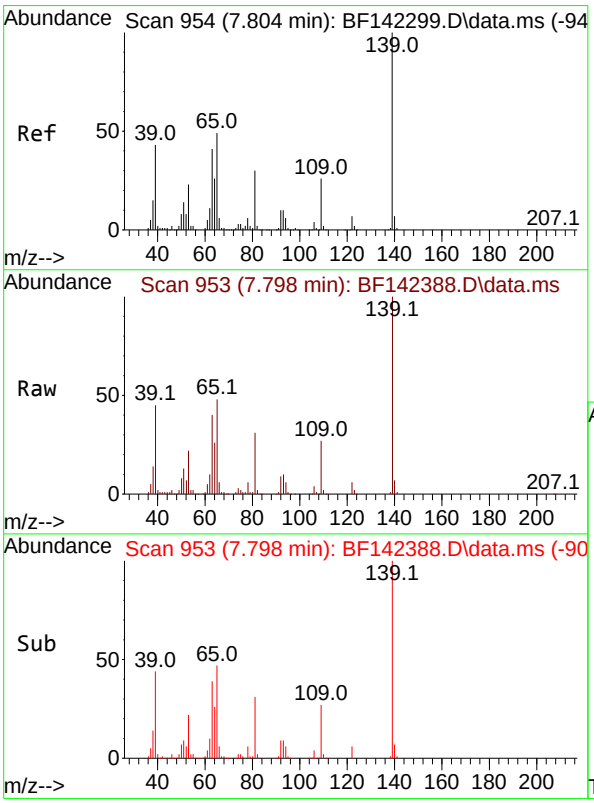
#25
Isophorone
Concen: 43.939 ng
RT: 7.722 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion: 82 Resp: 902585

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.8	8.8
138	20.0	16.1	24.1

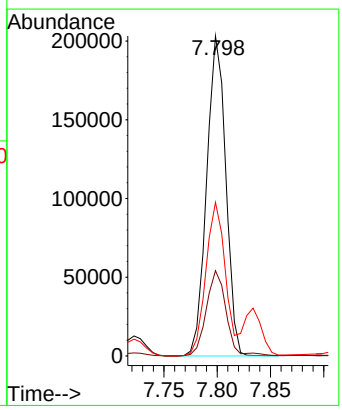


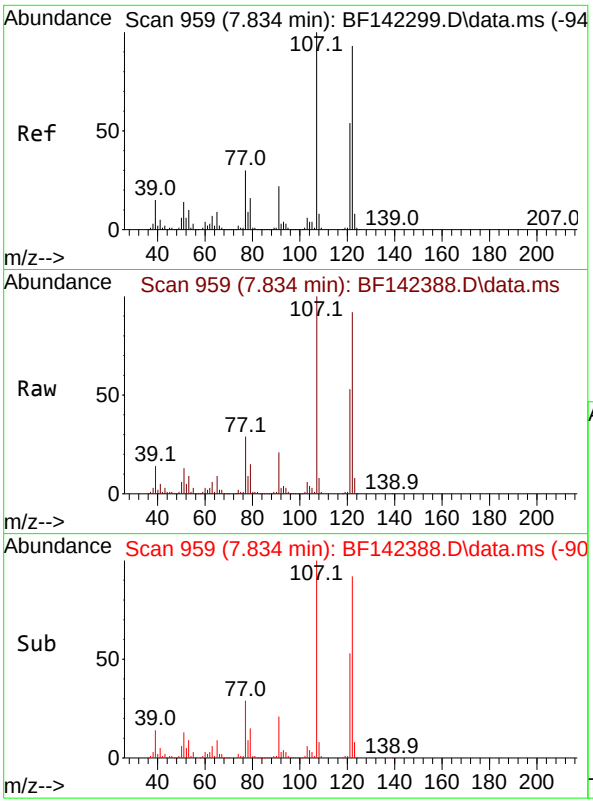


#26
2-Nitrophenol
Concen: 51.343 ng
RT: 7.798 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:139 Resp: 254589

Ion	Ratio	Lower	Upper
139	100		
109	26.7	20.8	31.2
65	48.0	38.9	58.3



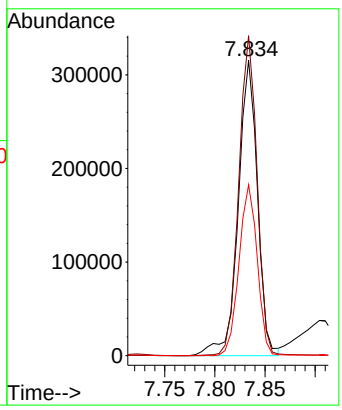


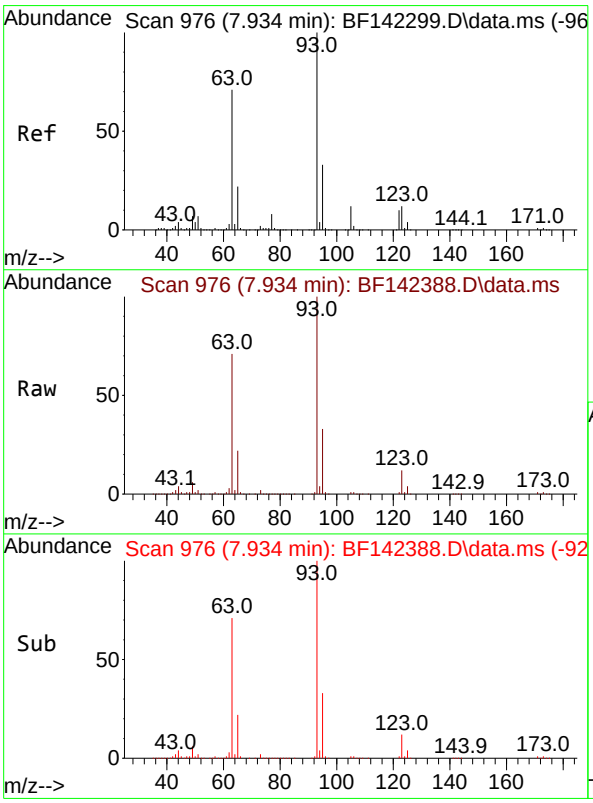
#27
2,4-Dimethylphenol
Concen: 40.898 ng
RT: 7.834 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:122 Resp: 422391

Ion	Ratio	Lower	Upper
122	100		
107	108.4	86.0	129.0
121	57.9	46.2	69.4

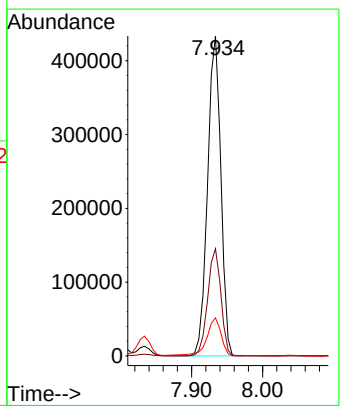


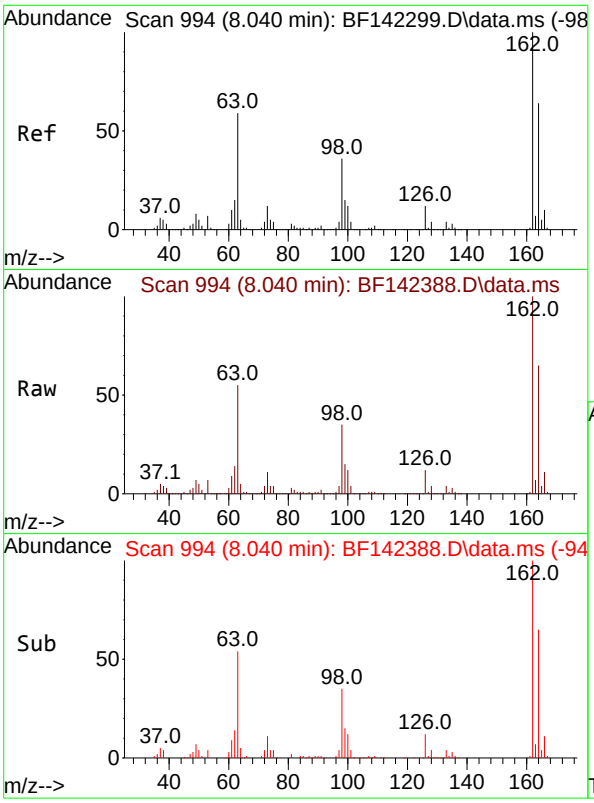


#28
bis(2-Chloroethoxy)methane
Concen: 42.653 ng
RT: 7.934 min Scan# 976
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion: 93 Resp: 563392

Ion	Ratio	Lower	Upper
93	100		
95	33.5	26.1	39.1
123	11.9	10.2	15.4



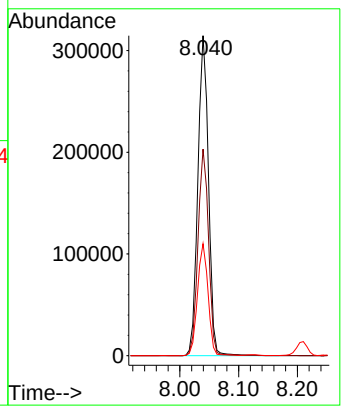


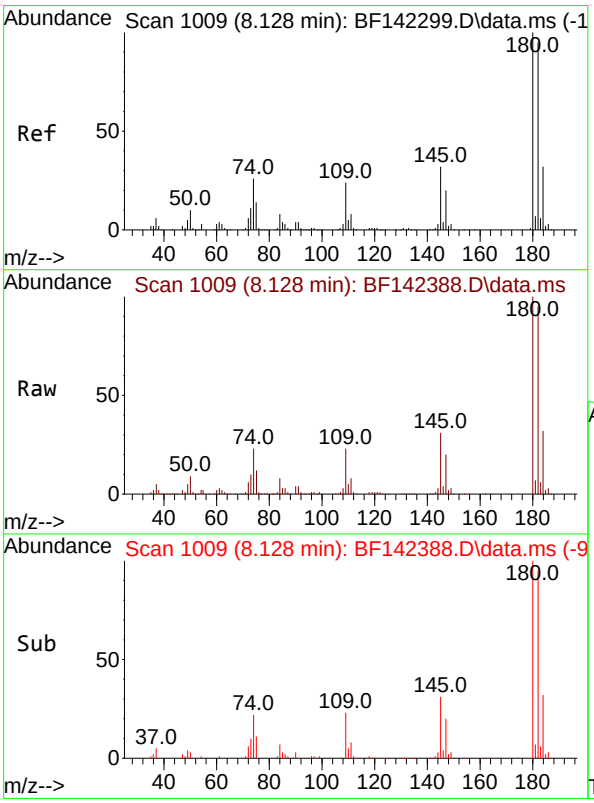
#29
2,4-Dichlorophenol
Concen: 44.936 ng
RT: 8.040 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:162 Resp: 394568

Ion	Ratio	Lower	Upper
162	100		
164	64.6	43.6	83.6
98	35.0	16.5	56.5

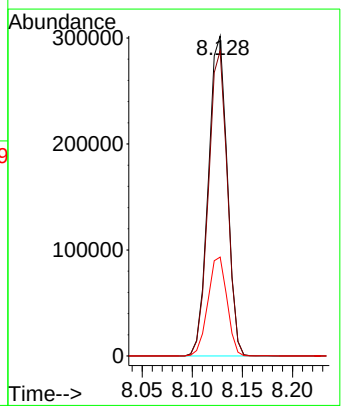


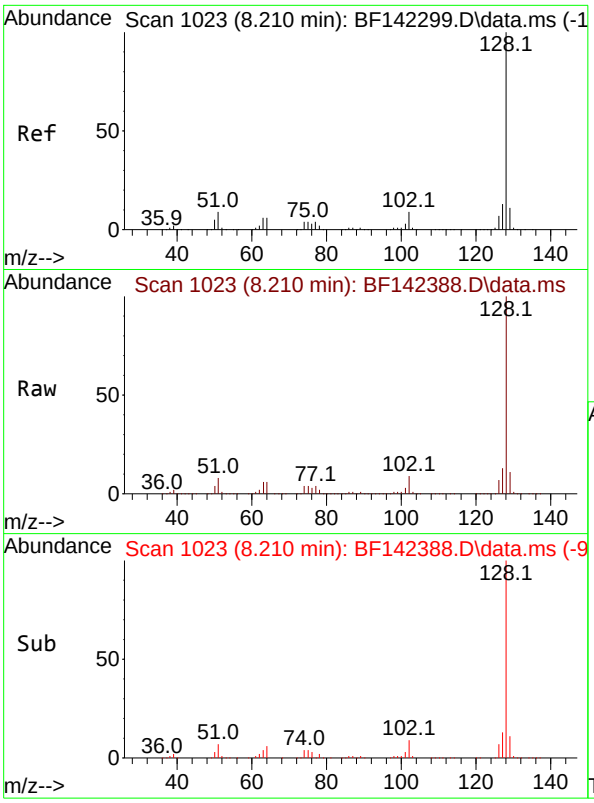


#30
1,2,4-Trichlorobenzene
Concen: 40.057 ng
RT: 8.128 min Scan# 1009
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:180 Resp: 395832

Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.2	114.4
145	30.9	25.8	38.6



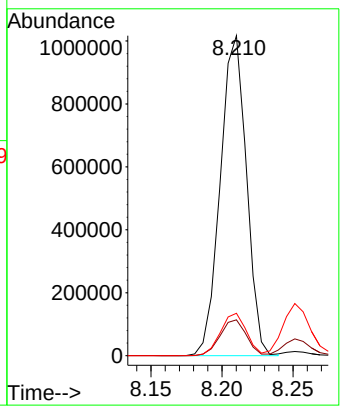


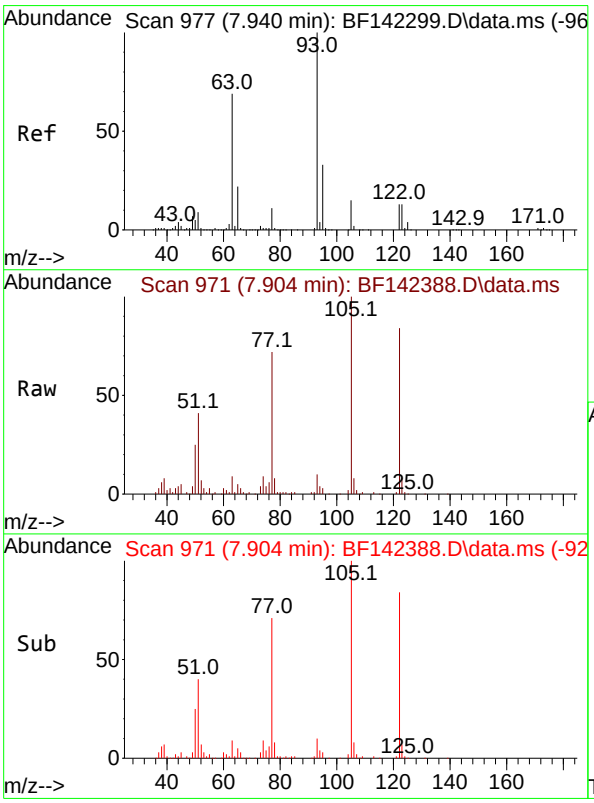
#31
Naphthalene
Concen: 40.636 ng
RT: 8.210 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:128 Resp: 1302962

Ion	Ratio	Lower	Upper
128	100		
129	11.2	9.1	13.7
127	13.3	10.5	15.7

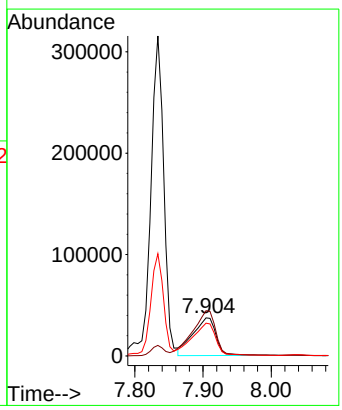


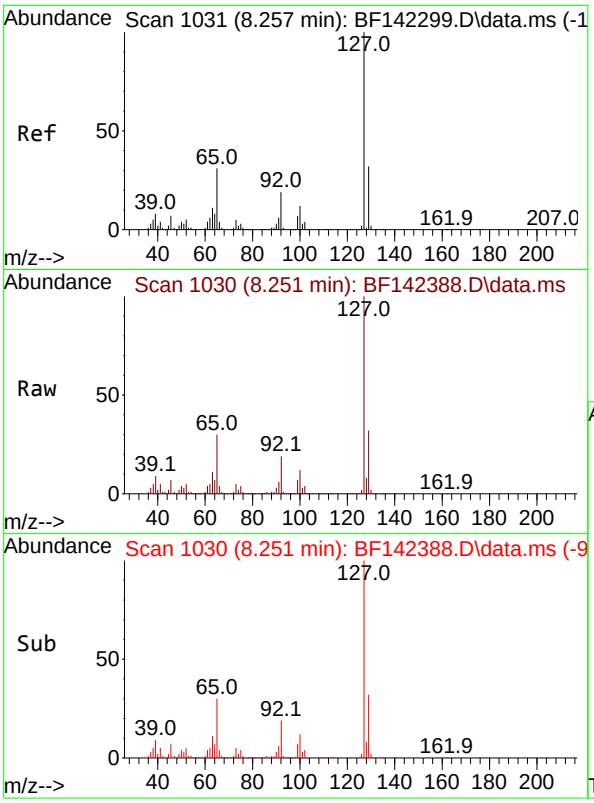


#32
Benzoic acid
Concen: 21.457 ng
RT: 7.904 min Scan# 971
Delta R.T. -0.036 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:122 Resp: 88700

Ion	Ratio	Lower	Upper
122	100		
105	118.9	97.9	137.9
77	86.0	67.7	107.7



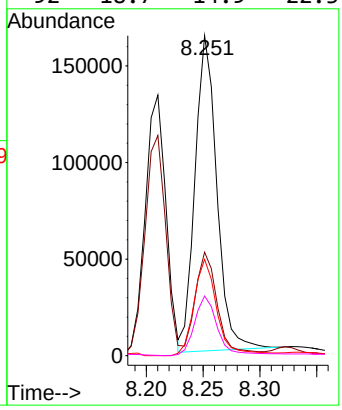


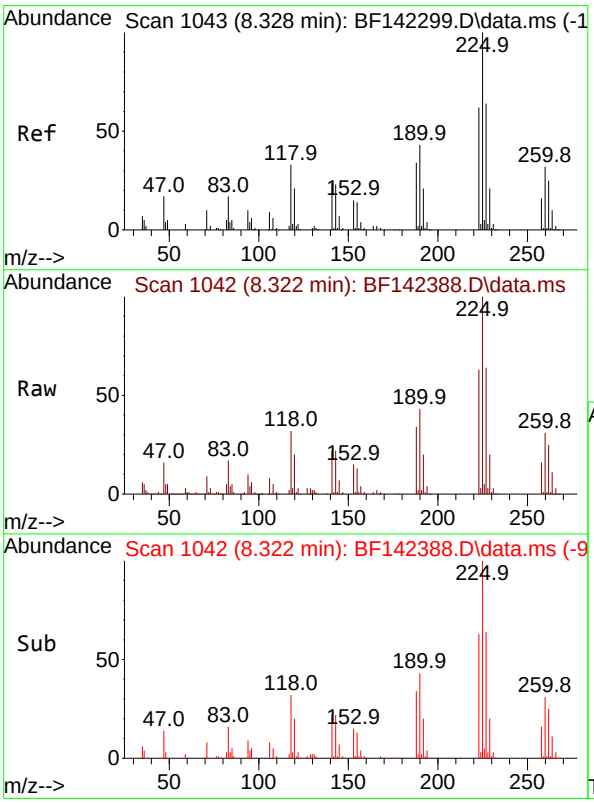
#33
4-Chloroaniline
Concen: 16.649 ng
RT: 8.251 min Scan# 1
Delta R.T. -0.016 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:127 Resp: 217827

Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.7	38.5
65	30.1	24.9	37.3
92	18.7	14.9	22.3

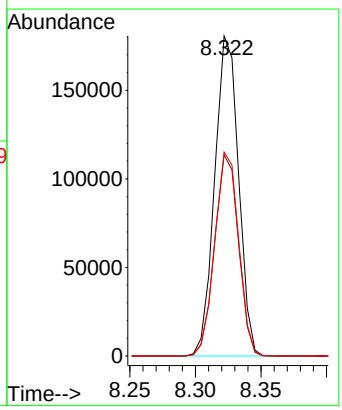


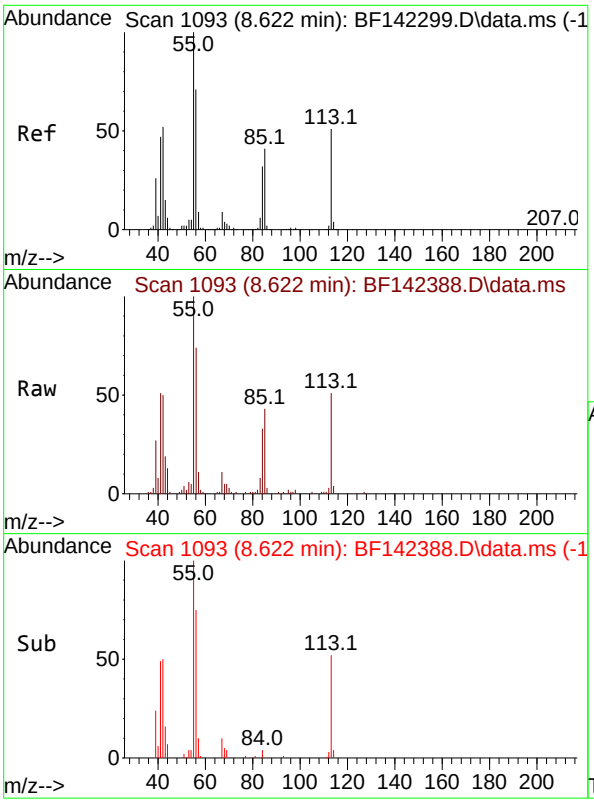


#34
Hexachlorobutadiene
Concen: 38.945 ng
RT: 8.322 min Scan# 1042
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:225 Resp: 227885

Ion	Ratio	Lower	Upper
225	100		
223	62.9	49.8	74.6
227	63.7	50.9	76.3



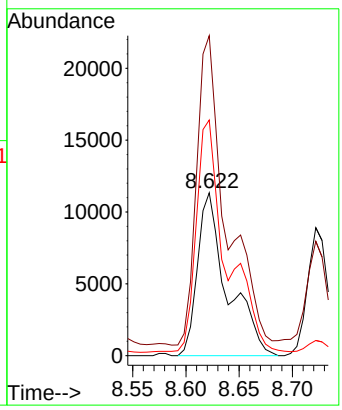


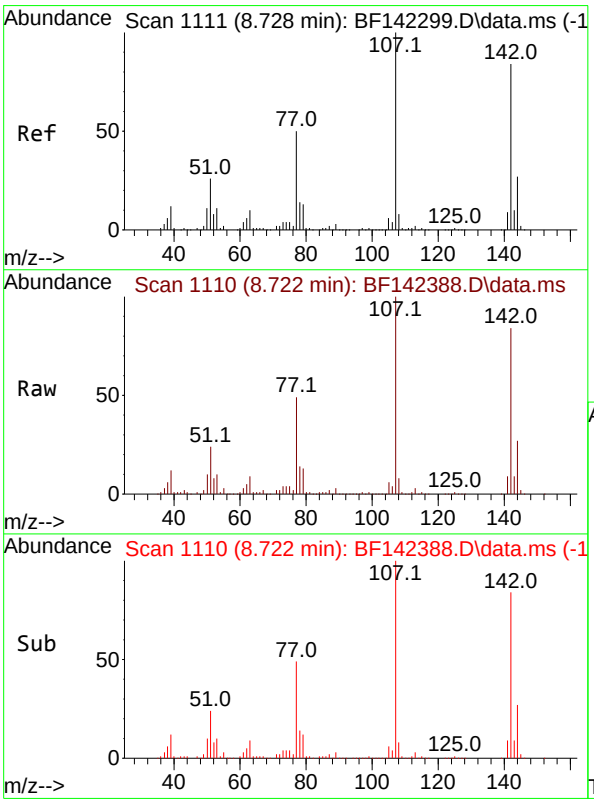
#35
Caprolactam
Concen: 8.704 ng
RT: 8.622 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:113 Resp: 22274

Ion	Ratio	Lower	Upper
113	100		
55	196.4	176.4	216.4
56	144.7	120.3	160.3

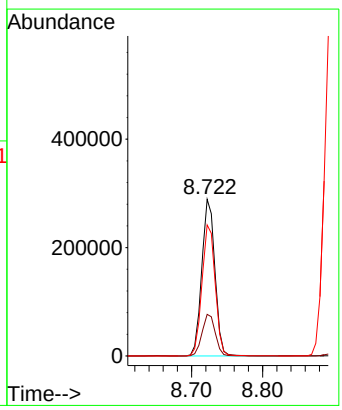


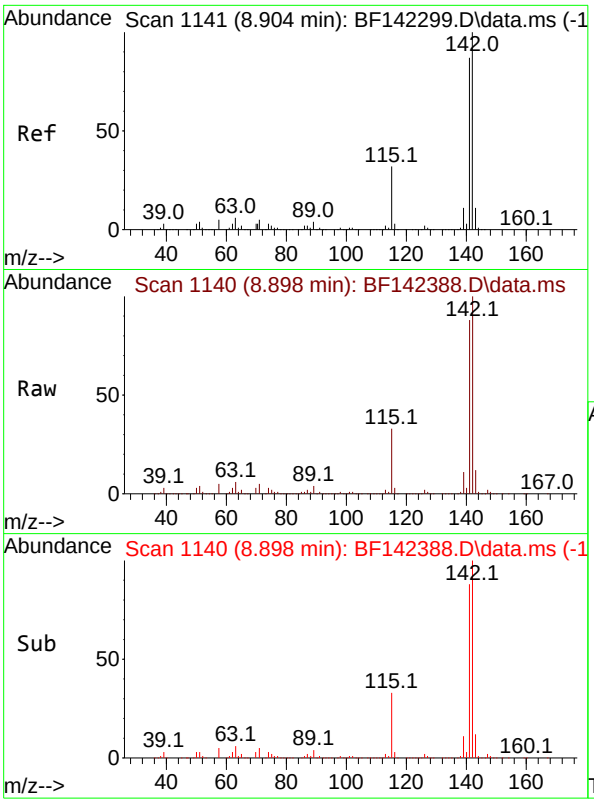


#36
4-Chloro-3-methylphenol
Concen: 40.855 ng
RT: 8.722 min Scan# 1110
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:107 Resp: 372907

Ion	Ratio	Lower	Upper
107	100		
144	26.6	21.3	31.9
142	83.7	66.9	100.3



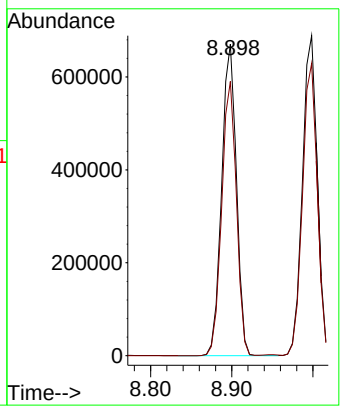


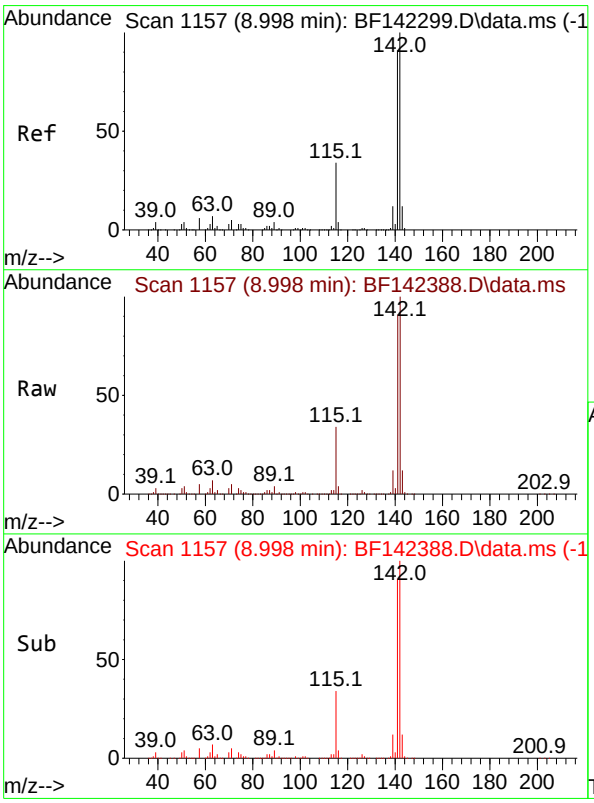
#37
2-Methylnaphthalene
Concen: 42.575 ng
RT: 8.898 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:142 Resp: 848266

Ion	Ratio	Lower	Upper
142	100		
141	88.0	69.4	104.2

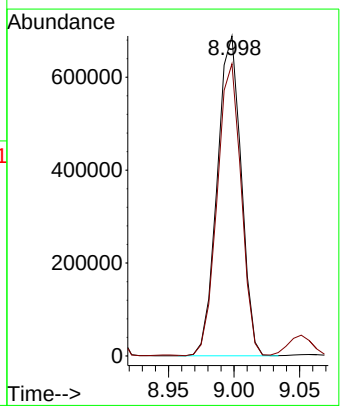


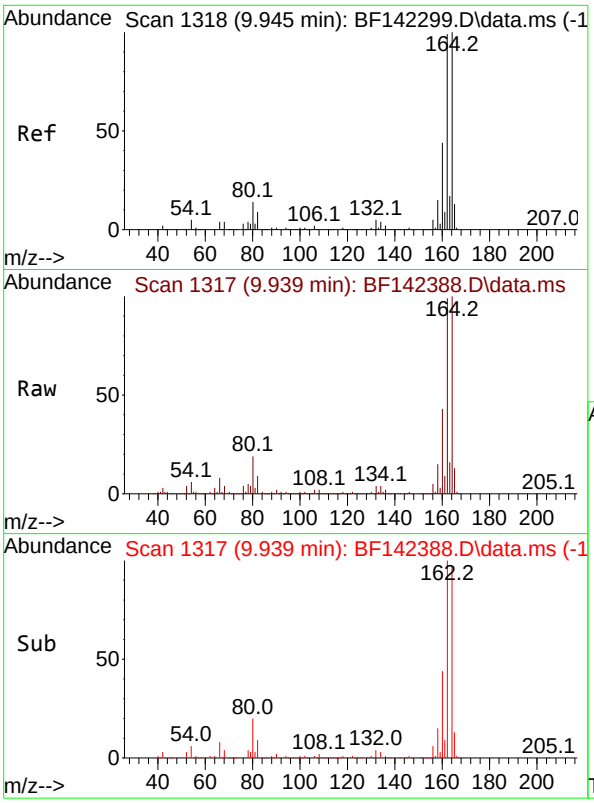


#38
1-Methylnaphthalene
Concen: 42.153 ng
RT: 8.998 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:142 Resp: 875361

Ion	Ratio	Lower	Upper
142	100		
141	91.3	72.5	108.7



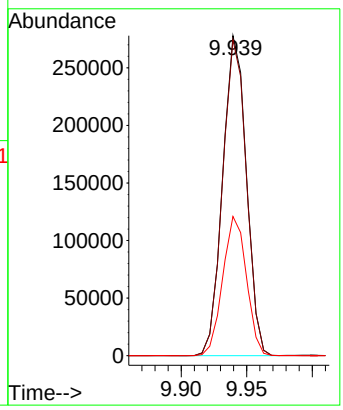


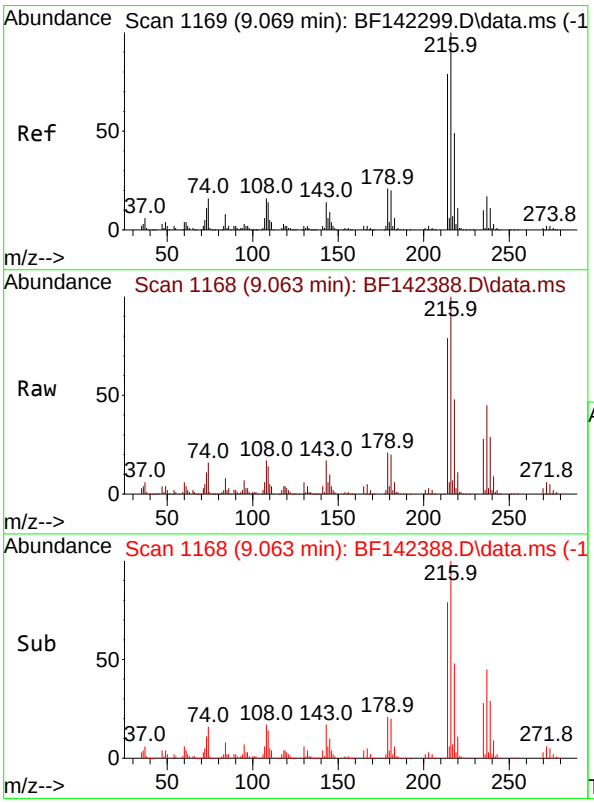
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:164 Resp: 349080

Ion	Ratio	Lower	Upper
164	100		
162	98.7	79.2	118.8
160	43.5	35.3	52.9

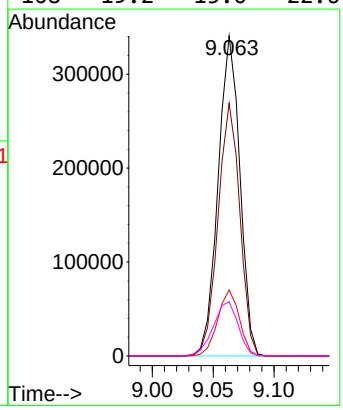


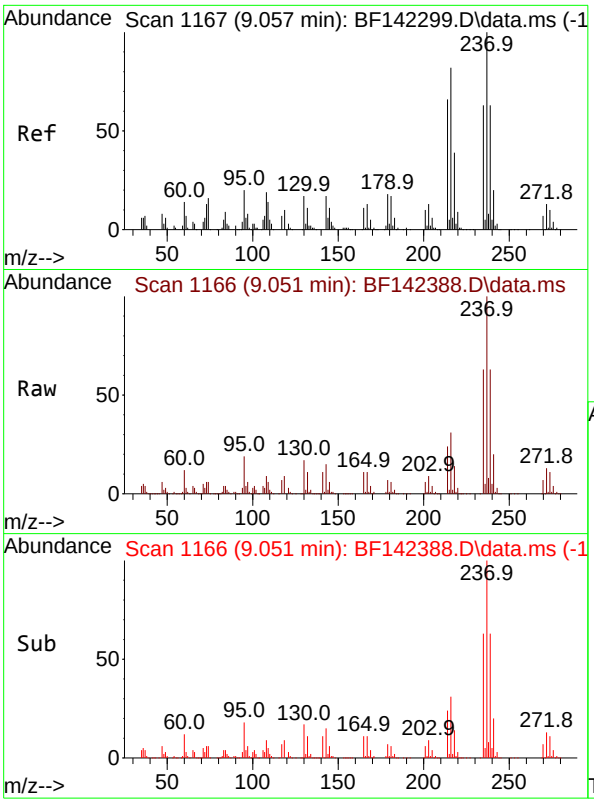


#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.530 ng
RT: 9.063 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:216 Resp: 424400

Ion	Ratio	Lower	Upper
216	100		
214	78.7	63.8	95.6
179	20.5	17.0	25.6
108	19.2	15.0	22.6



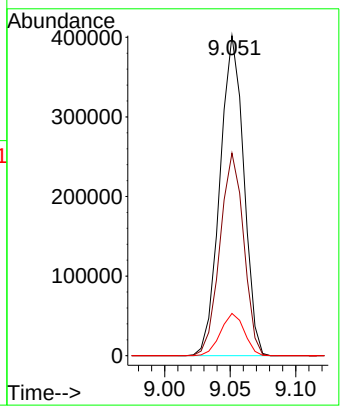


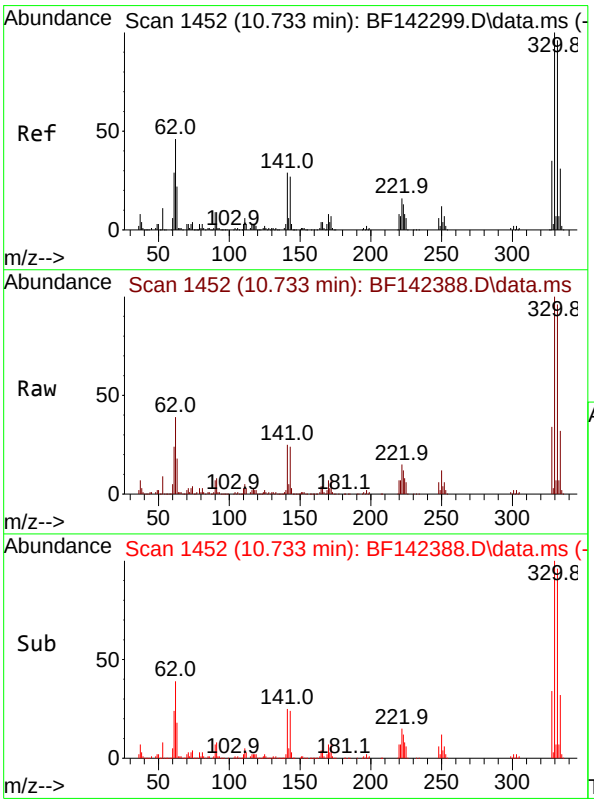
#41
Hexachlorocyclopentadiene
Concen: 84.288 ng
RT: 9.051 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:237 Resp: 507870

Ion	Ratio	Lower	Upper
237	100		
235	63.3	42.8	82.8
272	13.2	0.0	33.0

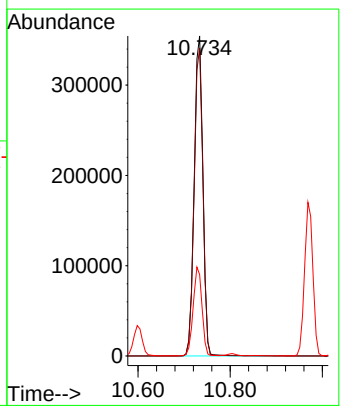


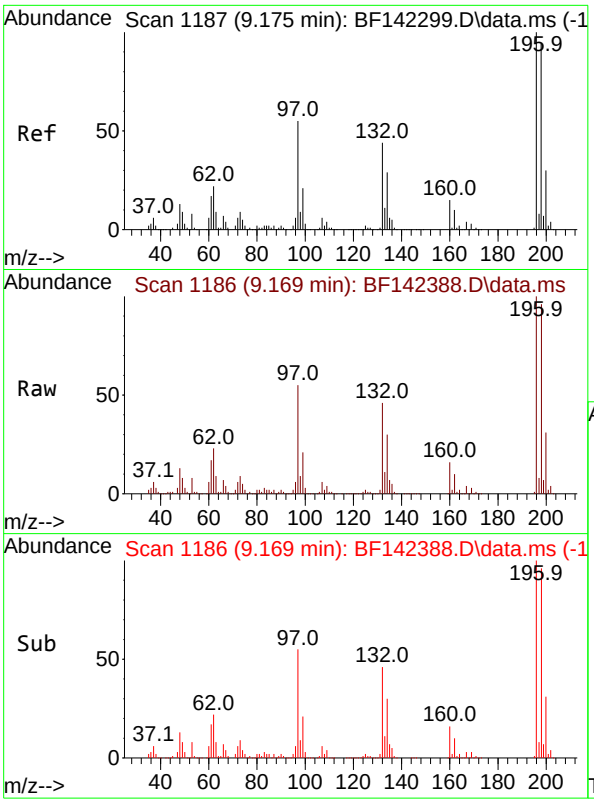


#42
2,4,6-Tribromophenol
Concen: 137.681 ng
RT: 10.733 min Scan# 1452
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:330 Resp: 464026

Ion	Ratio	Lower	Upper
330	100		
332	96.1	76.8	115.2
141	27.9	24.9	37.3



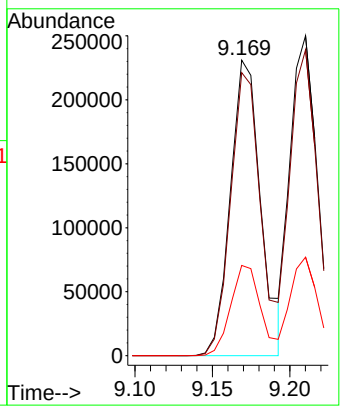


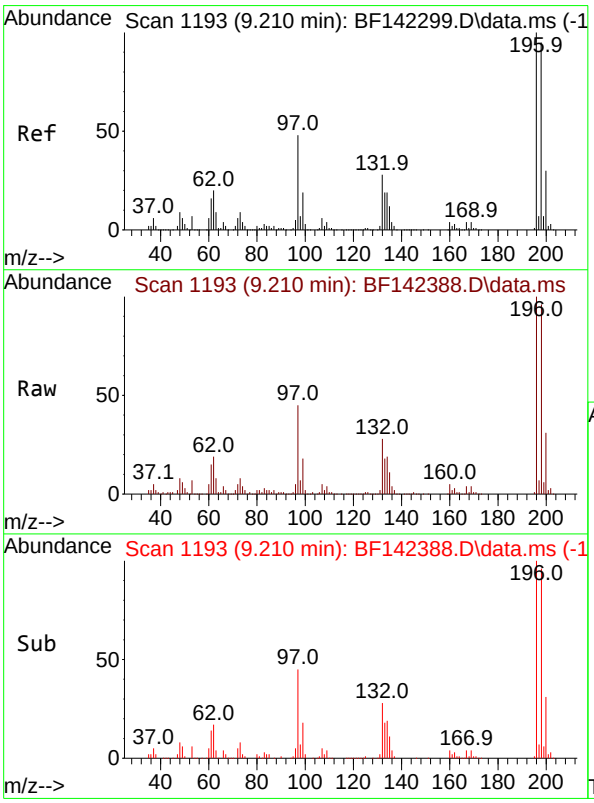
#43
2,4,6-Trichlorophenol
Concen: 51.164 ng
RT: 9.169 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:196 Resp: 314642

Ion	Ratio	Lower	Upper
196	100		
198	95.8	75.4	113.0
200	30.5	24.3	36.5

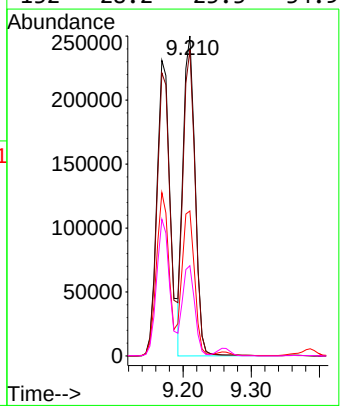


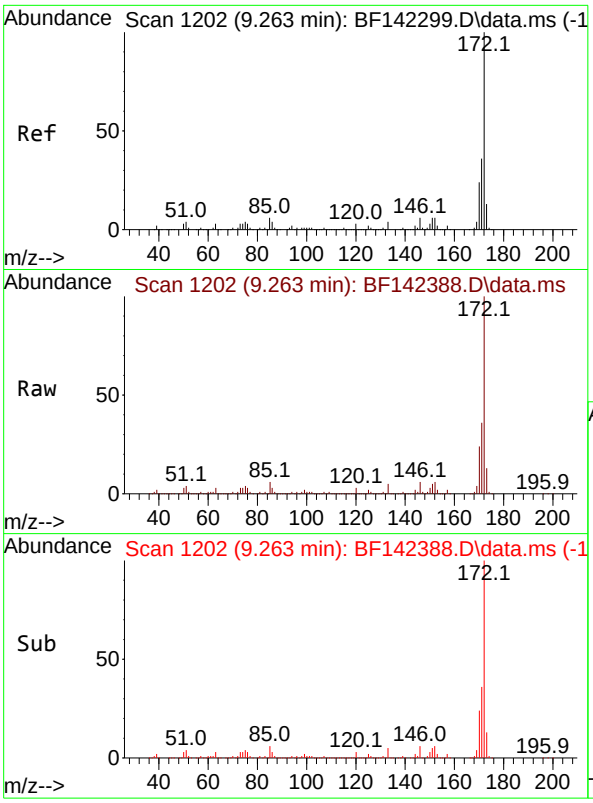


#44
2,4,5-Trichlorophenol
Concen: 46.570 ng
RT: 9.210 min Scan# 1193
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:196 Resp: 304721

Ion	Ratio	Lower	Upper
196	100		
198	95.6	76.1	114.1
97	45.3	39.0	58.4
132	28.2	23.3	34.9



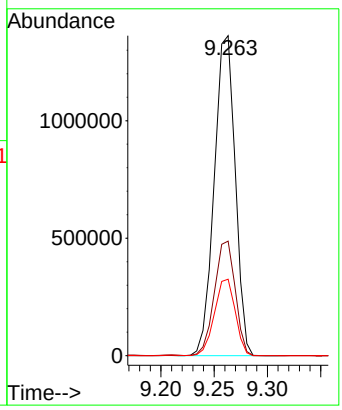


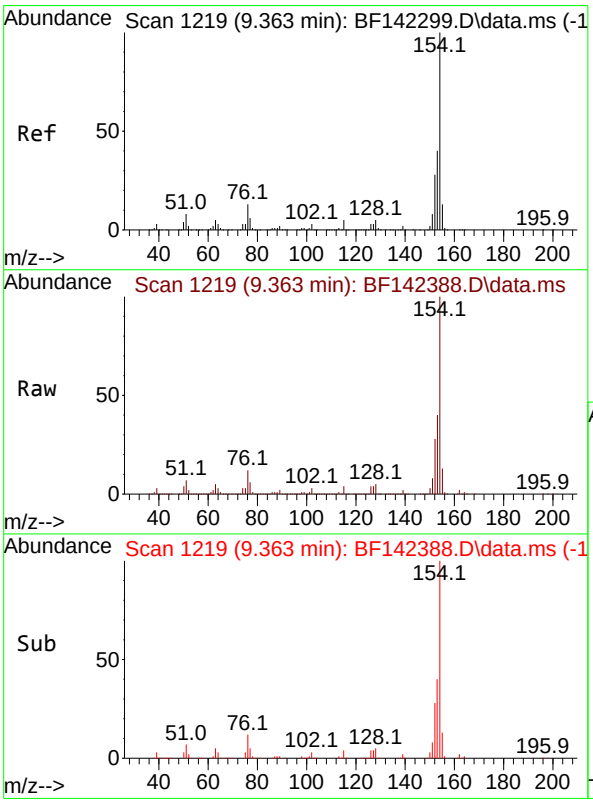
#45
2-Fluorobiphenyl
Concen: 75.993 ng
RT: 9.263 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:172 Resp: 1860447

Ion	Ratio	Lower	Upper
172	100		
171	35.8	28.6	42.8
170	23.9	19.0	28.4

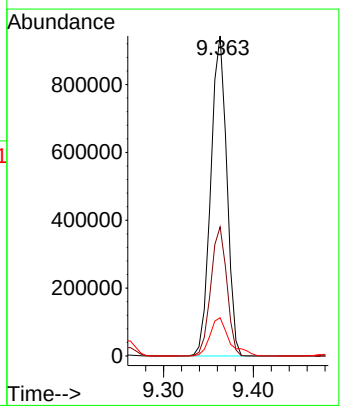


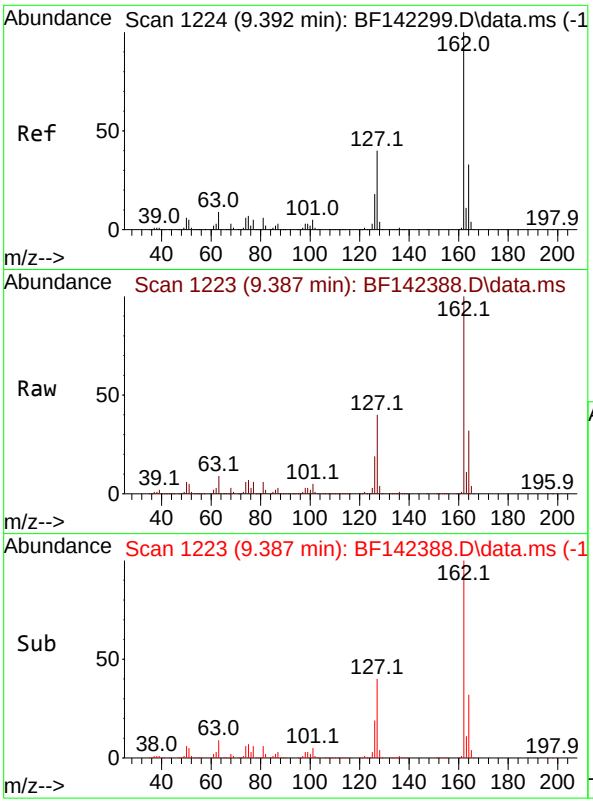


#46
1,1'-Biphenyl
Concen: 43.670 ng
RT: 9.363 min Scan# 1219
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:154 Resp: 1168846

Ion	Ratio	Lower	Upper
154	100		
153	40.4	20.5	60.5
76	12.0	0.0	32.8



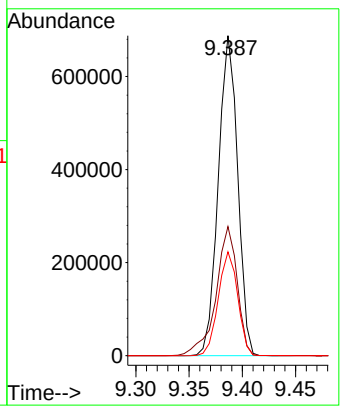


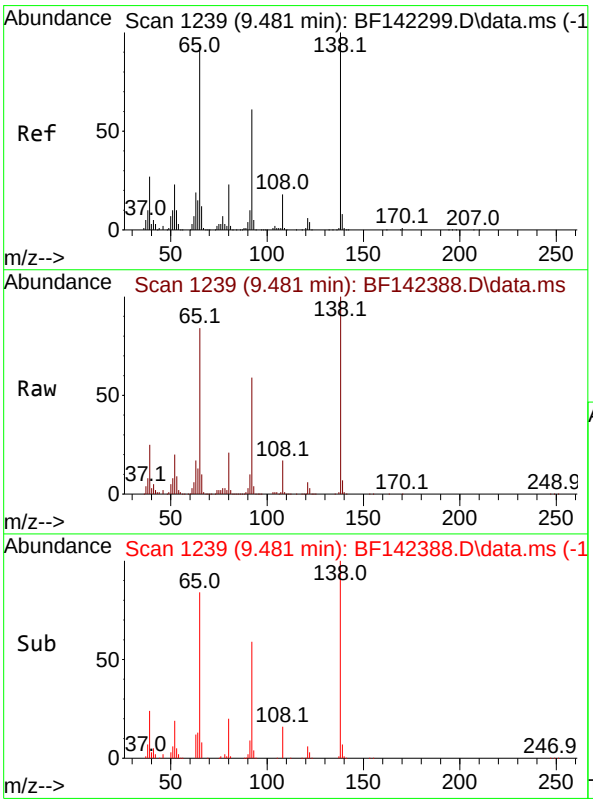
#47
2-Chloronaphthalene
Concen: 43.548 ng
RT: 9.387 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:162 Resp: 866810

Ion	Ratio	Lower	Upper
162	100		
127	40.4	32.3	48.5
164	32.4	26.6	40.0

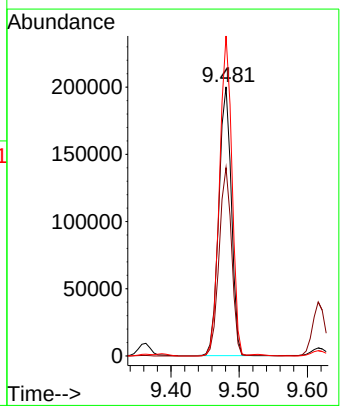


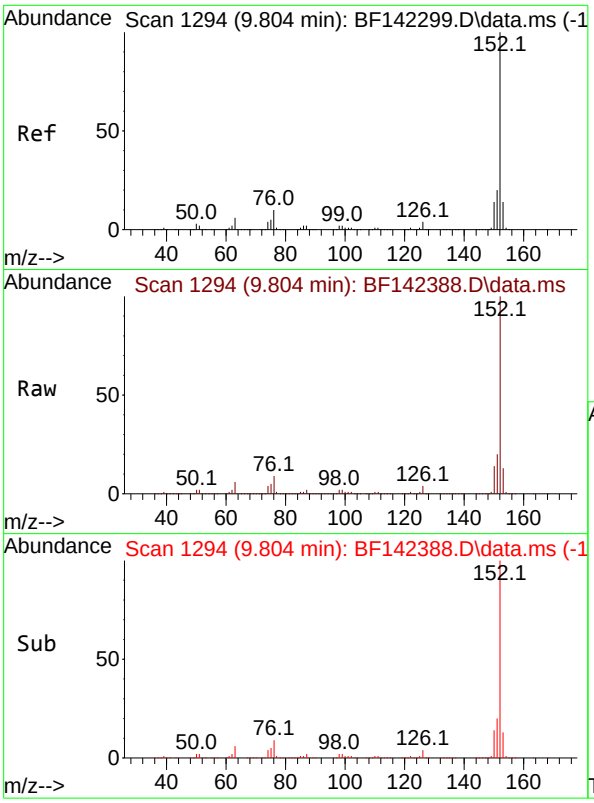


#48
2-Nitroaniline
Concen: 50.466 ng
RT: 9.481 min Scan# 1239
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion: 65 Resp: 257479

Ion	Ratio	Lower	Upper
65	100		
92	70.0	52.3	78.5
138	118.9	85.6	128.4



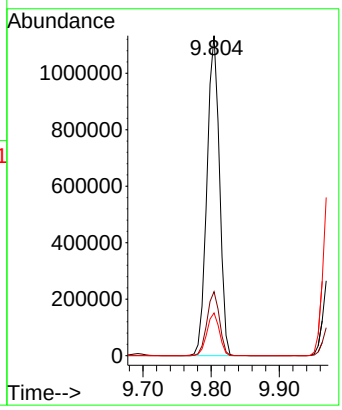


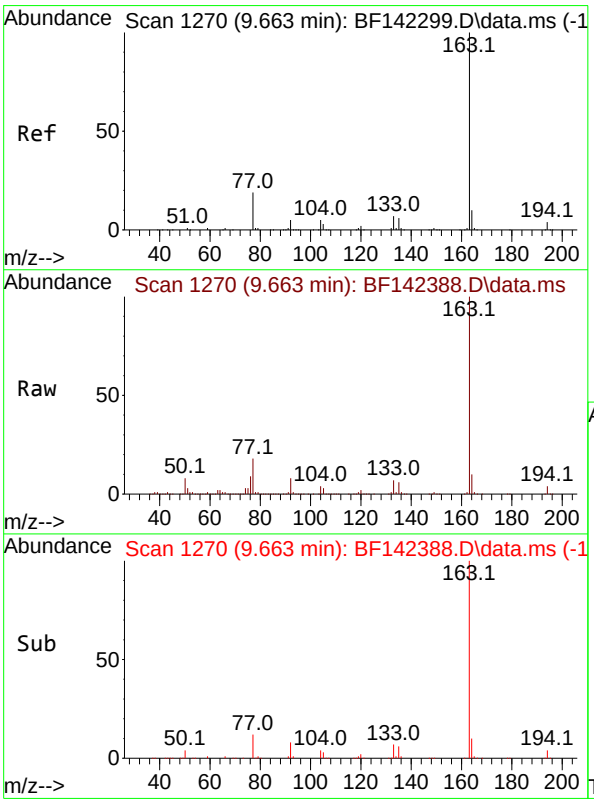
#49
Acenaphthylene
Concen: 43.358 ng
RT: 9.804 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:152 Resp: 1443735

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.0	24.0
153	13.4	10.8	16.2

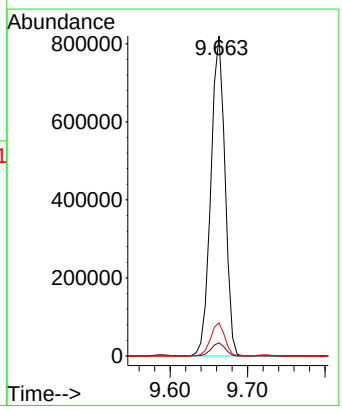


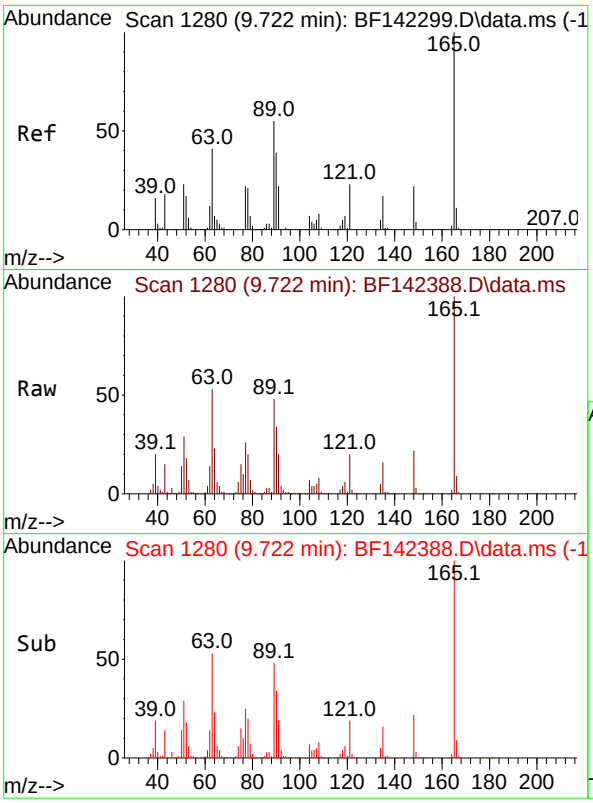


#50
Dimethylphthalate
Concen: 46.337 ng
RT: 9.663 min Scan# 1270
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:163 Resp: 1038662

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.2	4.8
164	10.3	8.3	12.5



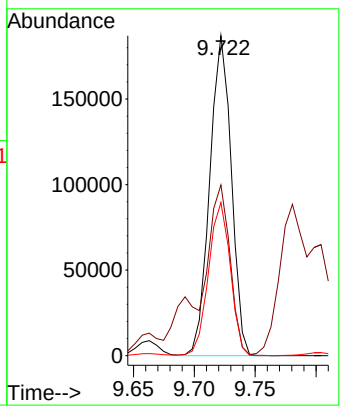


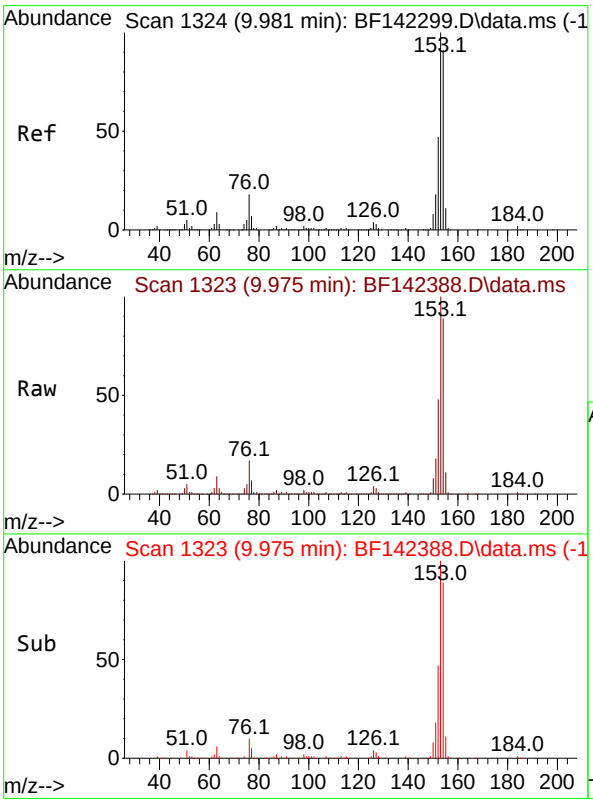
#51
2,6-Dinitrotoluene
Concen: 54.949 ng
RT: 9.722 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:165 Resp: 230553

Ion	Ratio	Lower	Upper
165	100		
63	53.4	49.5	74.3
89	47.9	44.6	66.8

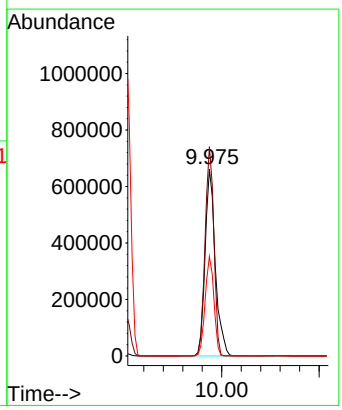


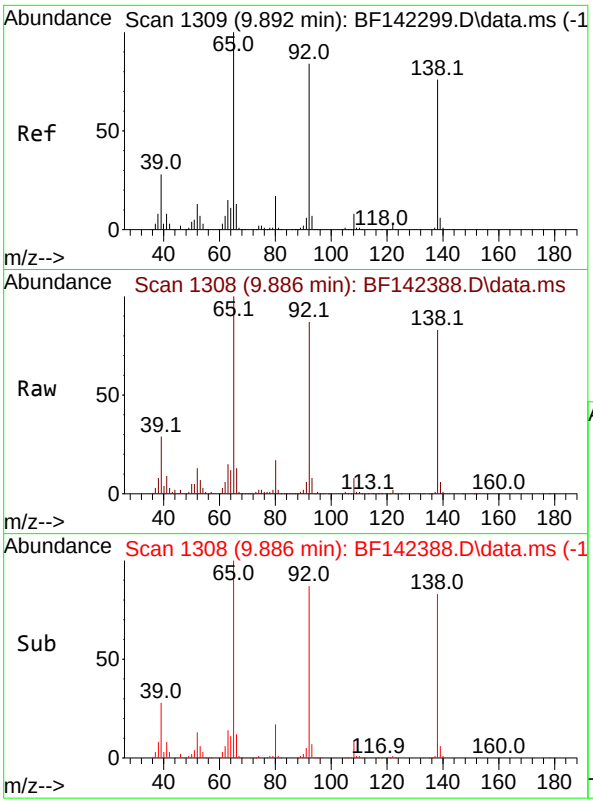


#52
Acenaphthene
Concen: 48.109 ng
RT: 9.975 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:154 Resp: 963224

Ion	Ratio	Lower	Upper
154	100		
153	111.9	88.0	132.0
152	53.2	41.6	62.4



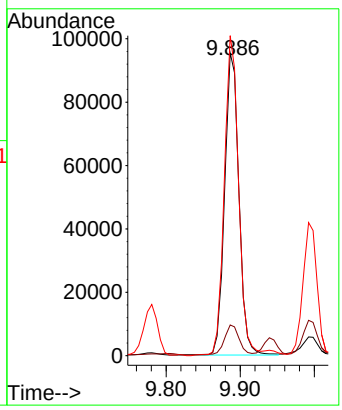


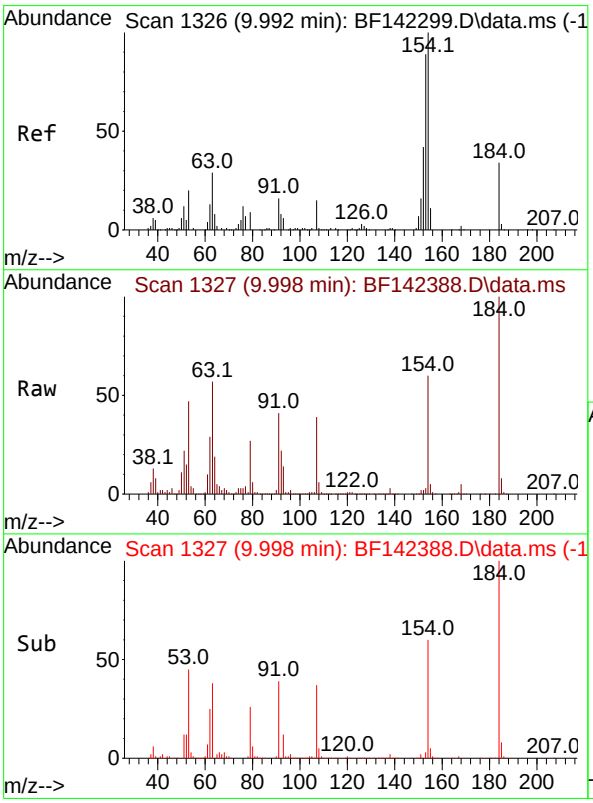
#53
3-Nitroaniline
Concen: 25.872 ng
RT: 9.886 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:138 Resp: 127310

Ion	Ratio	Lower	Upper
138	100		
108	10.1	8.7	13.1
92	105.7	89.5	134.3

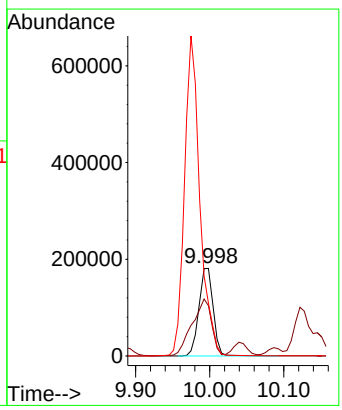


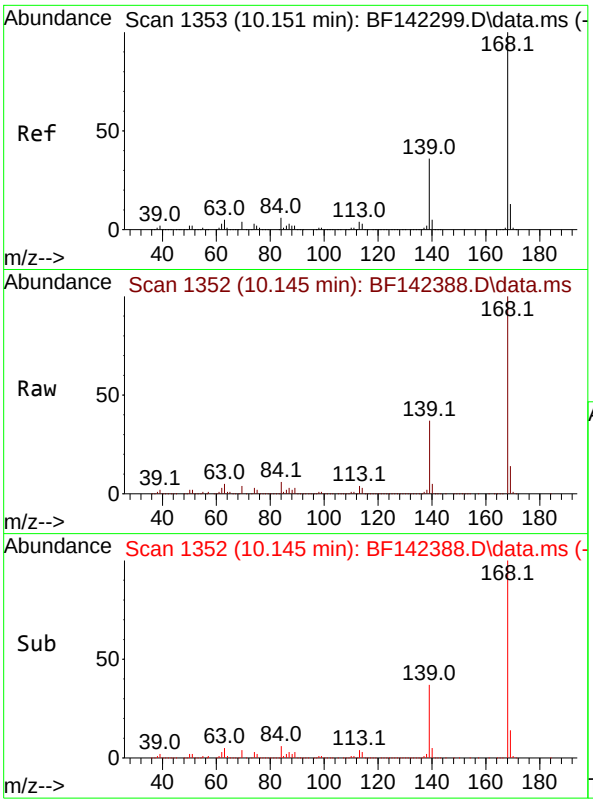


#54
2,4-Dinitrophenol
Concen: 107.582 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:184 Resp: 242565

Ion	Ratio	Lower	Upper
184	100		
63	57.4	70.6	105.8#
154	60.3	257.2	385.8#



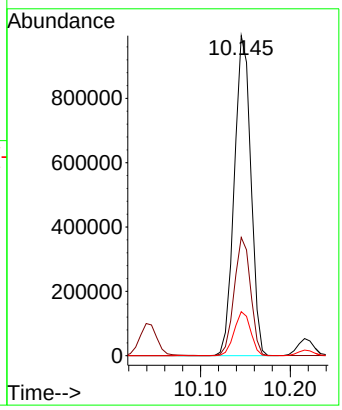


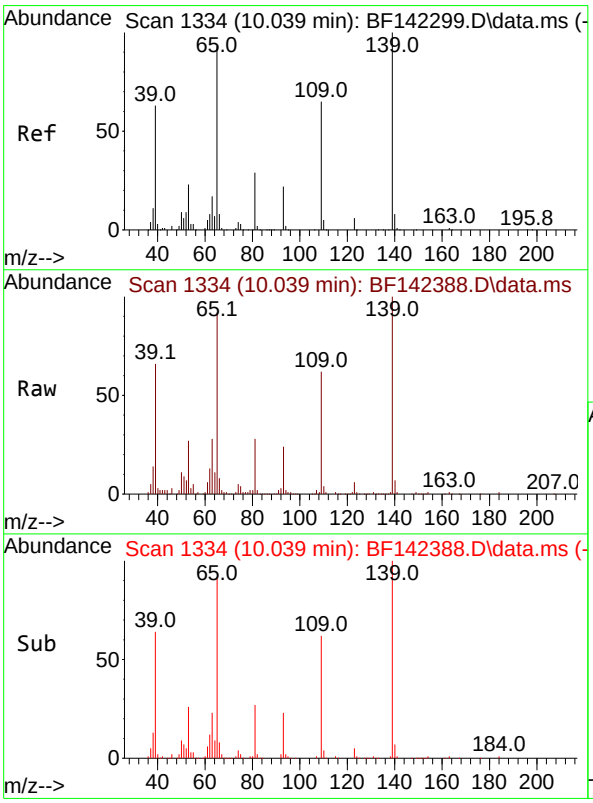
#55
Dibenzofuran
Concen: 43.106 ng
RT: 10.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:168 Resp: 1273696

Ion	Ratio	Lower	Upper
168	100		
139	37.0	29.0	43.4
169	13.8	10.7	16.1

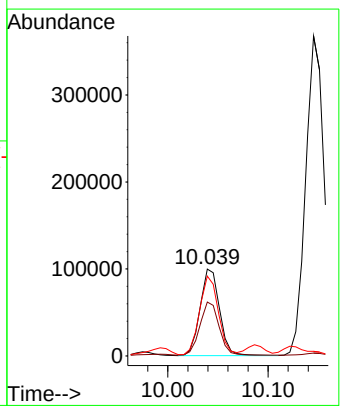


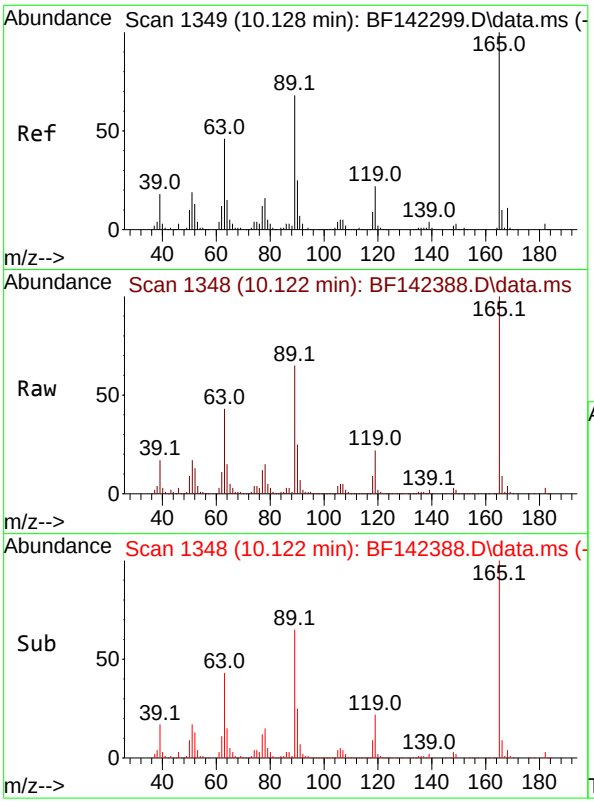


#56
4-Nitrophenol
Concen: 36.240 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:139 Resp: 134214

Ion	Ratio	Lower	Upper
139	100		
109	62.2	45.3	85.3
65	91.8	73.9	113.9



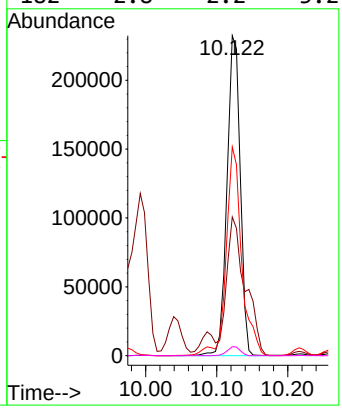


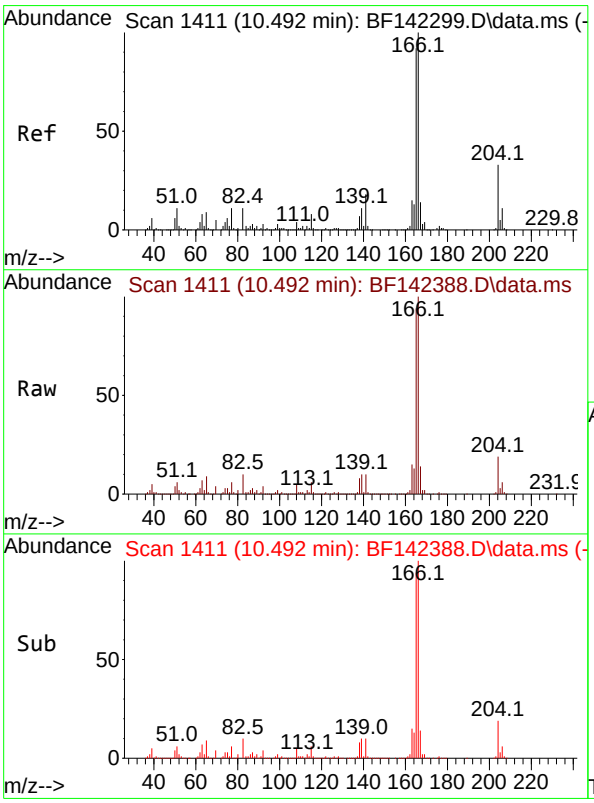
#57
2,4-Dinitrotoluene
Concen: 55.899 ng
RT: 10.122 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:165 Resp: 300847

Ion	Ratio	Lower	Upper
165	100		
63	43.3	37.1	55.7
89	65.2	54.4	81.6
182	2.8	2.2	3.2

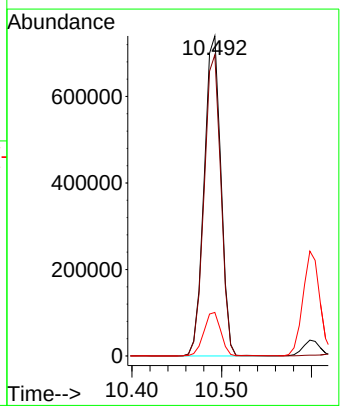


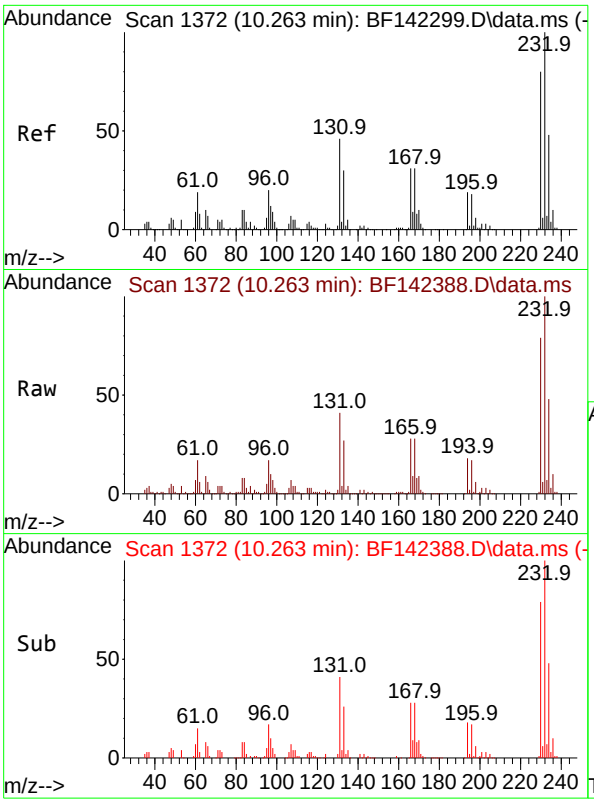


#58
Fluorene
Concen: 42.489 ng
RT: 10.492 min Scan# 1411
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:166 Resp: 958116

Ion	Ratio	Lower	Upper
166	100		
165	94.1	74.0	111.0
167	13.6	10.9	16.3



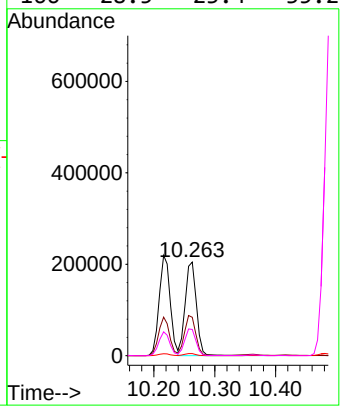


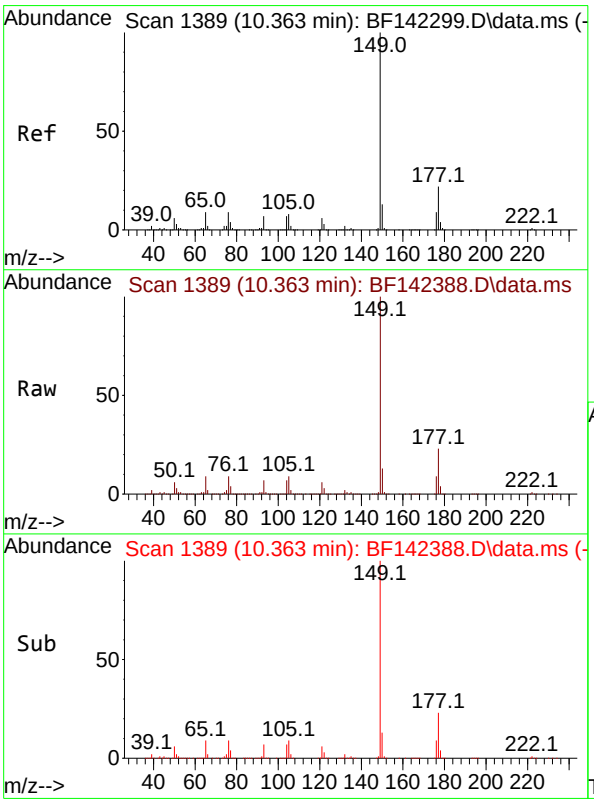
#59
2,3,4,6-Tetrachlorophenol
Concen: 48.631 ng
RT: 10.263 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:232 Resp: 262685

Ion	Ratio	Lower	Upper
232	100		
131	42.1	36.0	54.0
130	2.4	1.8	2.6
166	28.5	23.4	35.2

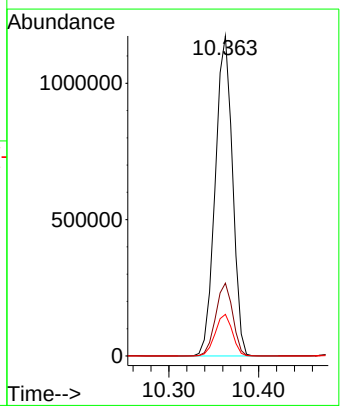


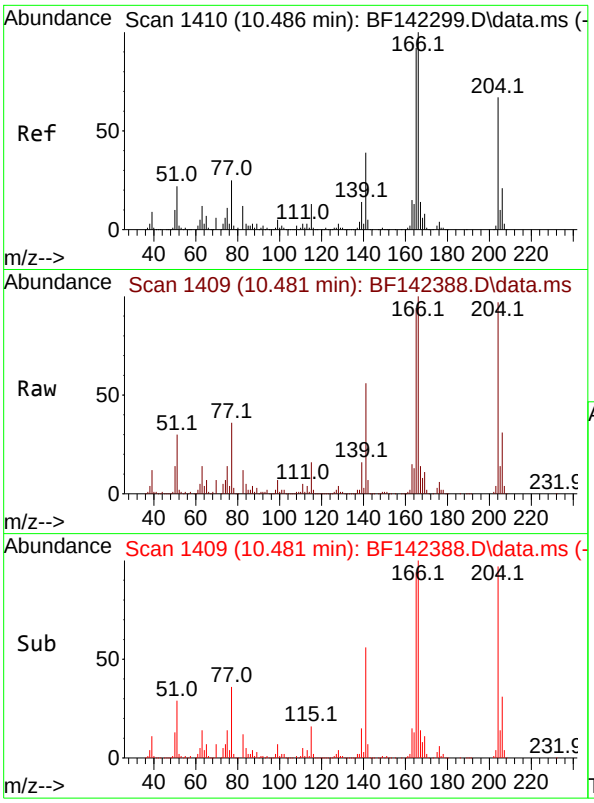


#60
Diethylphthalate
Concen: 69.844 ng
RT: 10.363 min Scan# 1389
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:149 Resp: 1563487

Ion	Ratio	Lower	Upper
149	100		
177	22.7	17.6	26.4
150	13.0	10.1	15.1



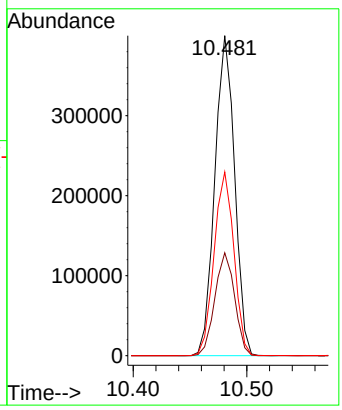


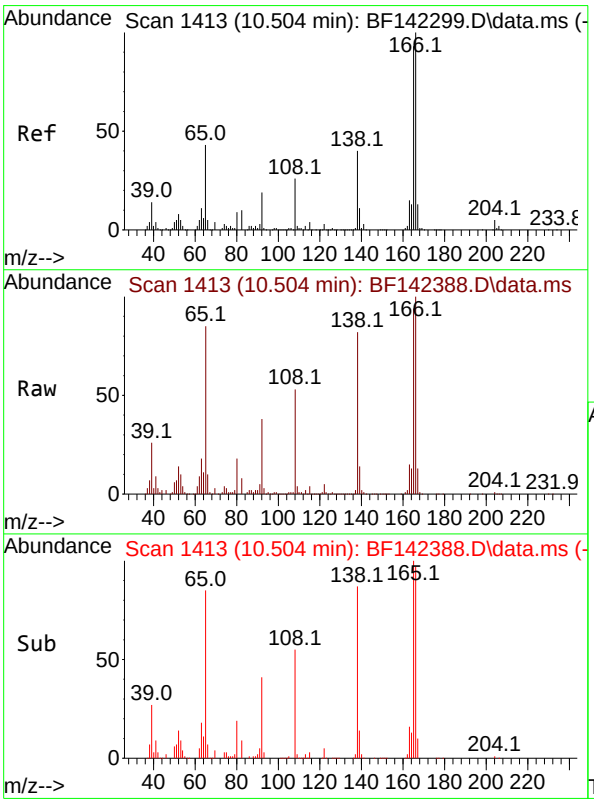
#61
4-Chlorophenyl-phenylether
Concen: 44.510 ng
RT: 10.481 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:204 Resp: 484239

Ion	Ratio	Lower	Upper
204	100		
206	32.2	25.5	38.3
141	57.4	46.4	69.6

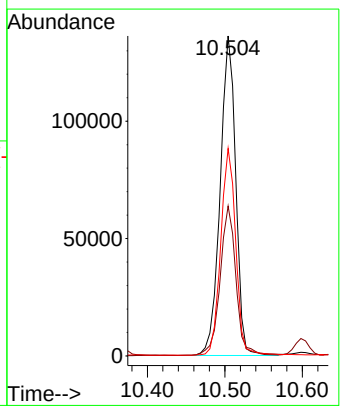


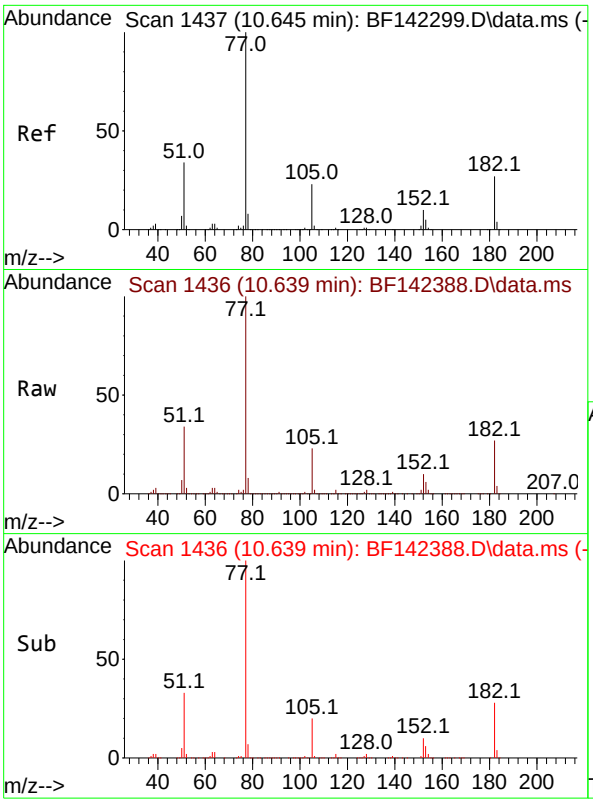


#62
4-Nitroaniline
Concen: 48.759 ng
RT: 10.504 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:138 Resp: 190164

Ion	Ratio	Lower	Upper
138	100		
92	46.9	27.3	67.3
108	64.8	45.1	85.1



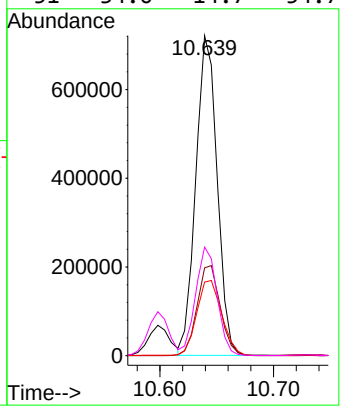


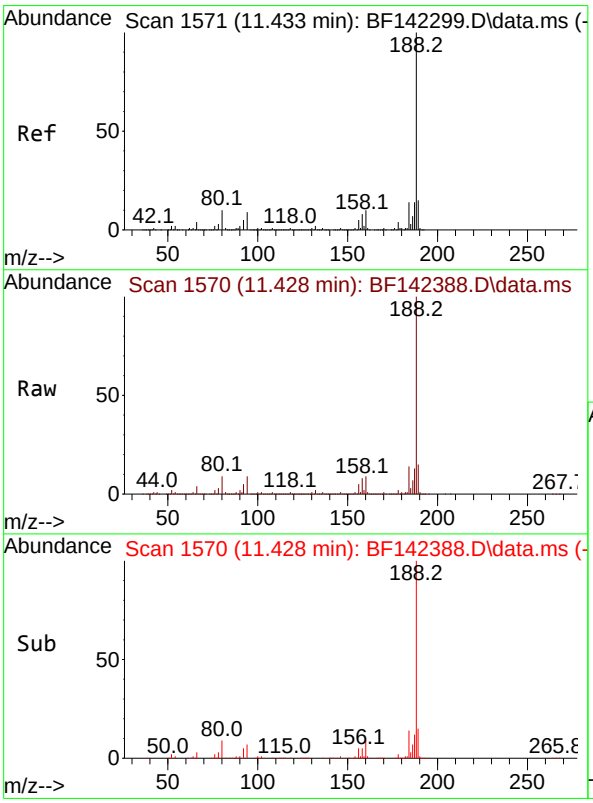
#63
Azobenzene
Concen: 43.974 ng
RT: 10.639 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion: 77 Resp: 940653

Ion	Ratio	Lower	Upper
77	100		
182	27.5	6.9	46.9
105	23.0	2.7	42.7
51	34.0	14.7	54.7

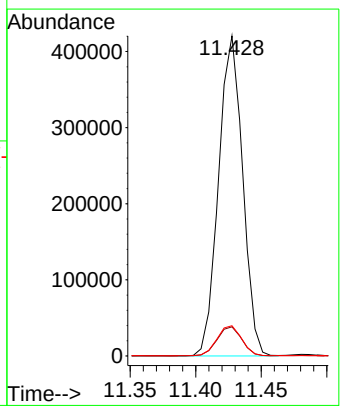


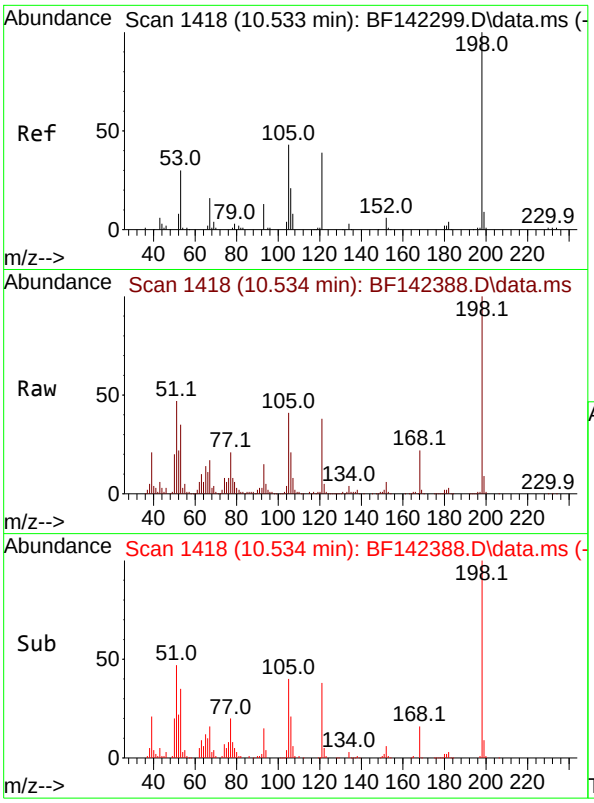


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:188 Resp: 537648

Ion	Ratio	Lower	Upper
188	100		
94	9.1	7.5	11.3
80	9.5	7.9	11.9



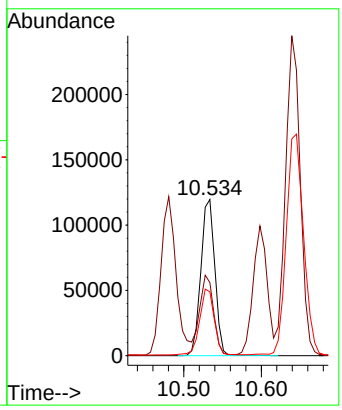


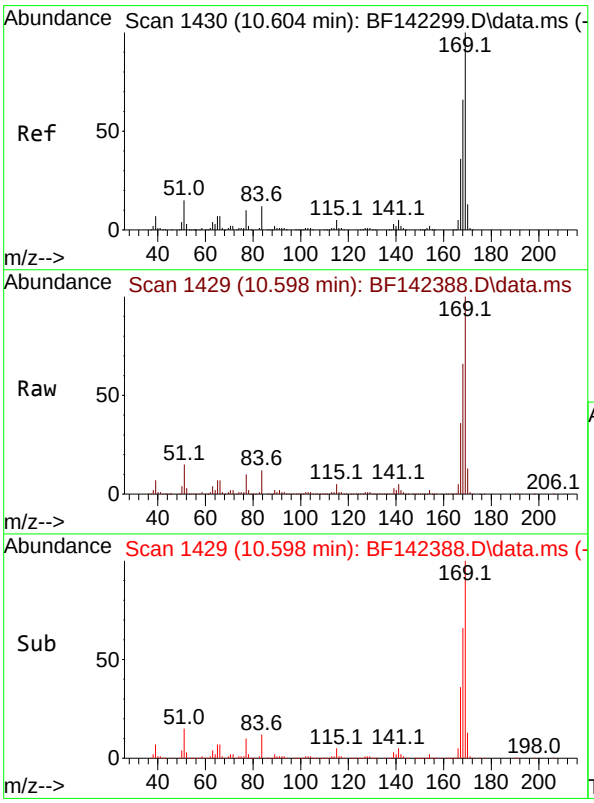
#65
4,6-Dinitro-2-methylphenol
Concen: 58.228 ng
RT: 10.534 min Scan# 14
Delta R.T. 0.001 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:198 Resp: 150445

Ion	Ratio	Lower	Upper
198	100		
51	46.9	32.9	72.9
105	40.9	23.7	63.7

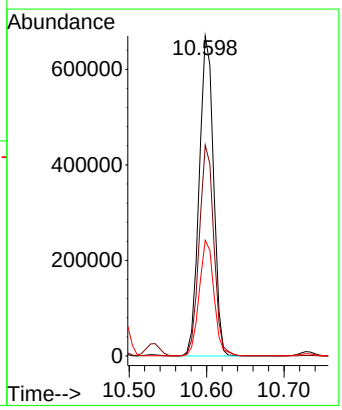


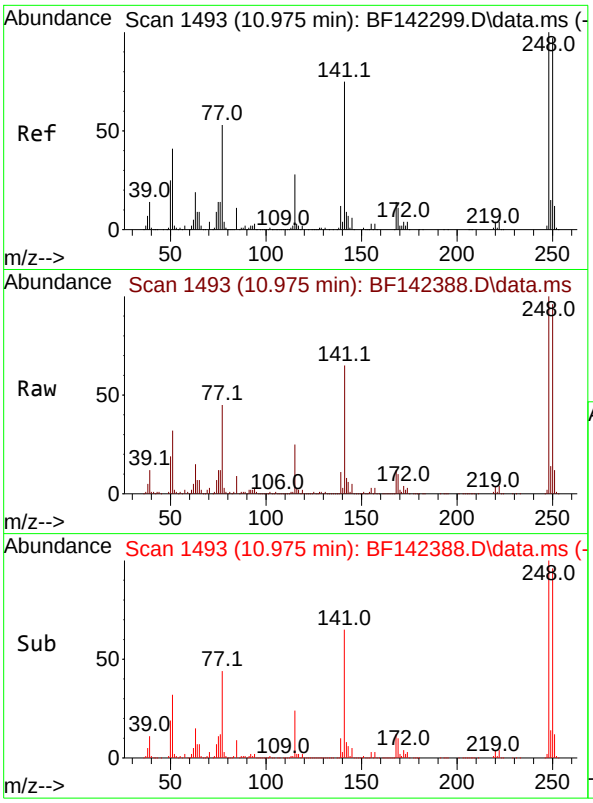


#66
n-Nitrosodiphenylamine
Concen: 48.029 ng
RT: 10.598 min Scan# 1429
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:169 Resp: 859278

Ion	Ratio	Lower	Upper
169	100		
168	65.9	53.2	79.8
167	36.2	28.9	43.3



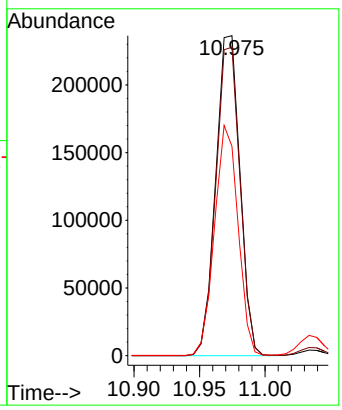


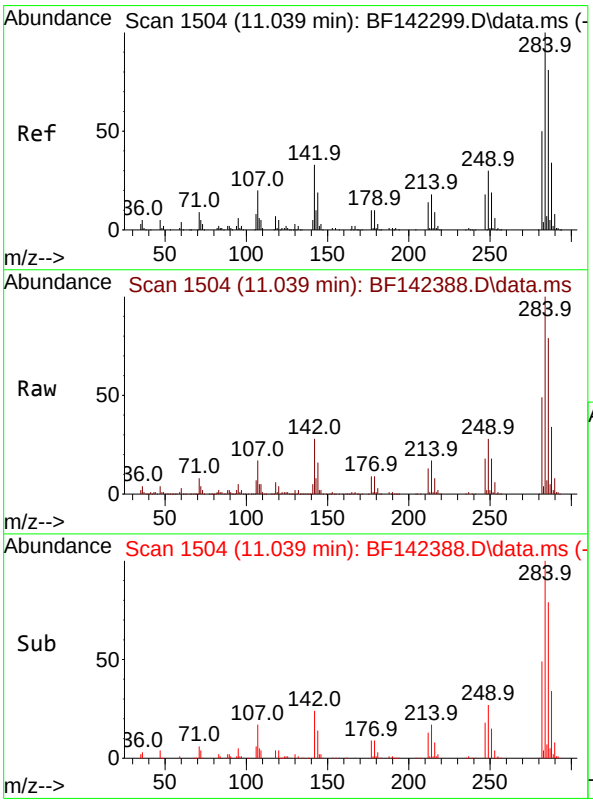
#67
4-Bromophenyl-phenylether
Concen: 49.904 ng
RT: 10.975 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:248 Resp: 304081

Ion	Ratio	Lower	Upper
248	100		
250	96.4	77.9	116.9
141	65.4	59.8	89.8

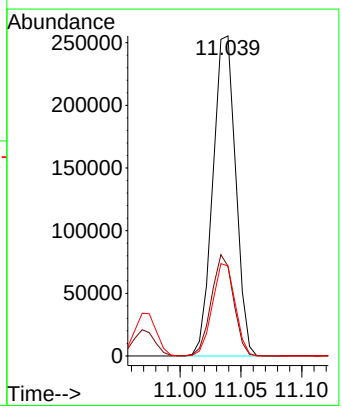


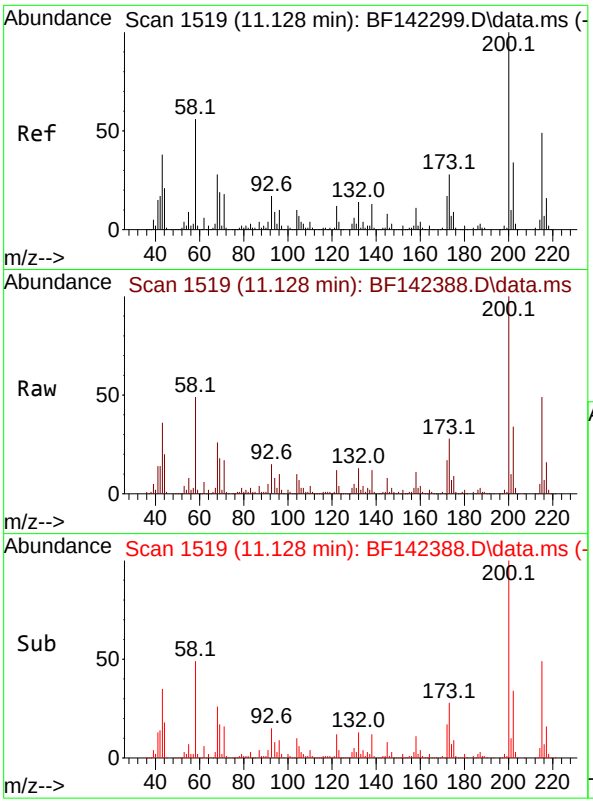


#68
Hexachlorobenzene
Concen: 49.725 ng
RT: 11.039 min Scan# 1504
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:284 Resp: 333282

Ion	Ratio	Lower	Upper
284	100		
142	28.1	26.6	39.8
249	28.2	24.1	36.1



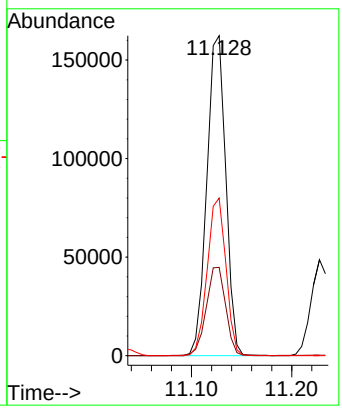


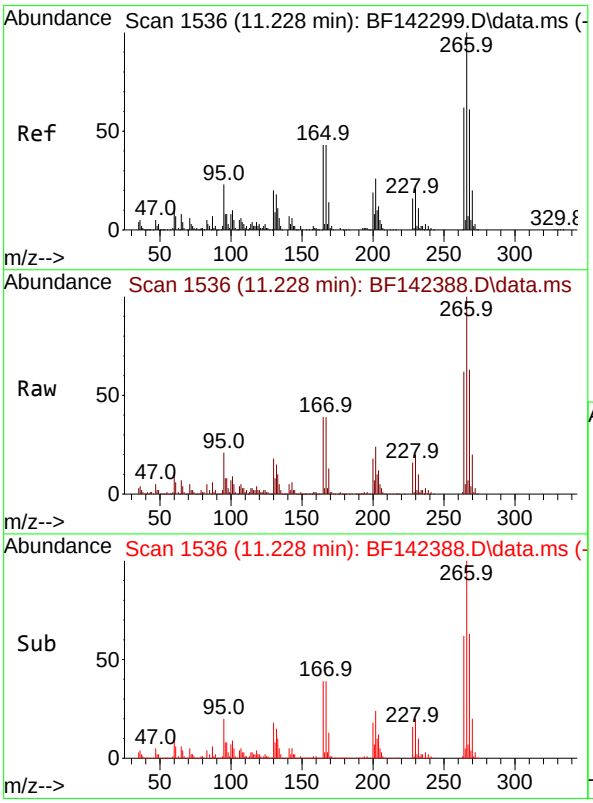
#69
Atrazine
Concen: 45.223 ng
RT: 11.128 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:200 Resp: 213276

Ion	Ratio	Lower	Upper
200	100		
173	27.6	8.1	48.1
215	49.2	28.8	68.8

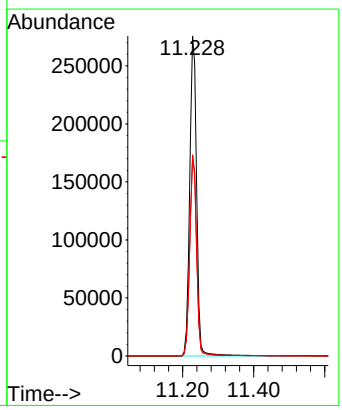


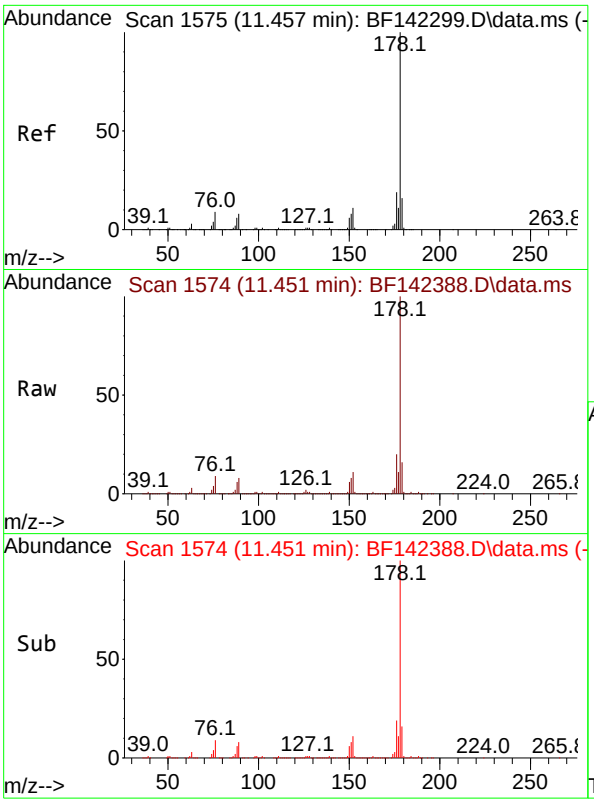


#70
Pentachlorophenol
Concen: 105.447 ng
RT: 11.228 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:266 Resp: 371808

Ion	Ratio	Lower	Upper
266	100		
268	62.9	48.7	73.1
264	62.3	49.8	74.6



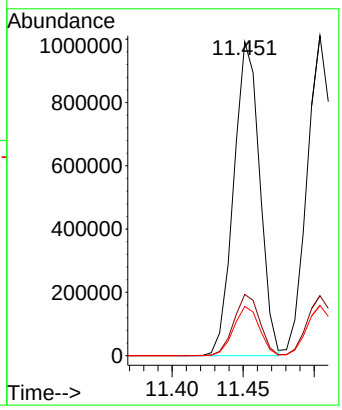


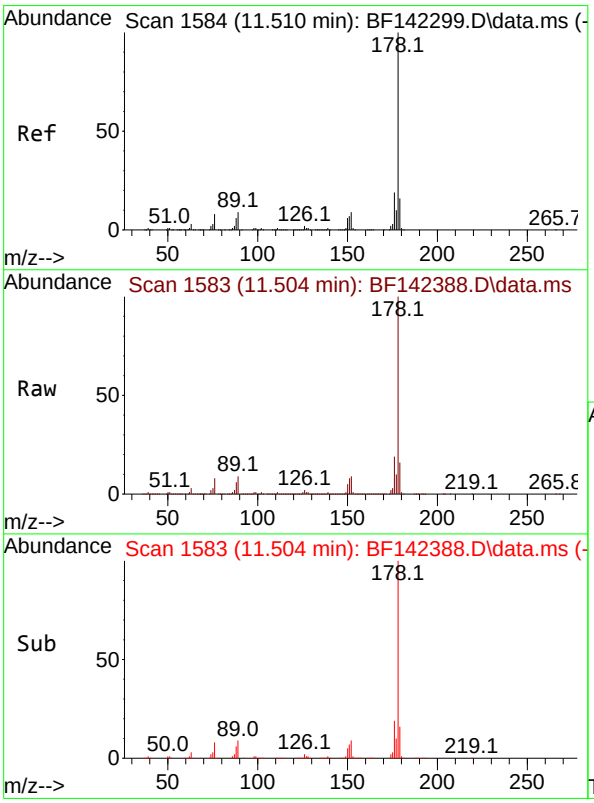
#71
Phenanthrene
Concen: 44.657 ng
RT: 11.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:178 Resp: 1258546

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.5	23.3
179	15.7	12.6	18.8

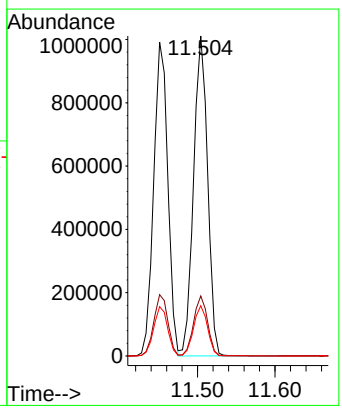


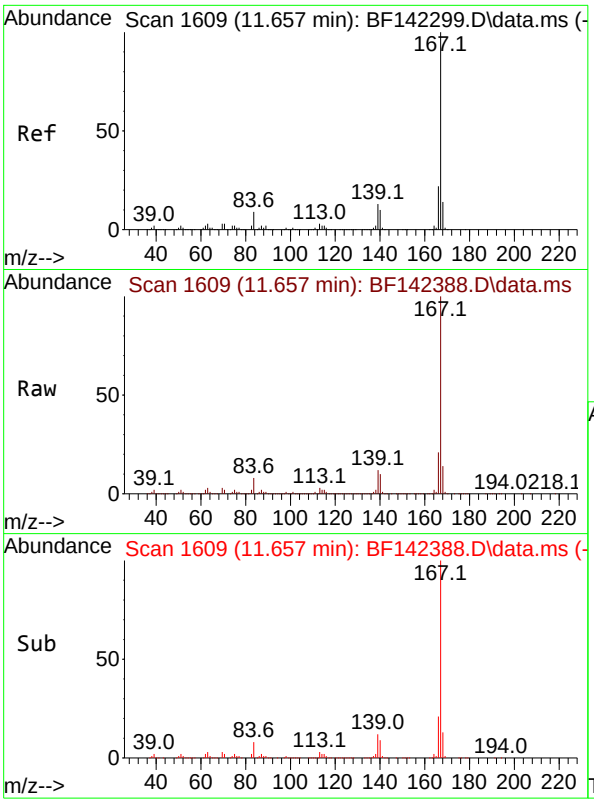


#72
Anthracene
Concen: 43.873 ng
RT: 11.504 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:178 Resp: 1270435

Ion	Ratio	Lower	Upper
178	100		
176	18.8	15.3	22.9
179	15.7	12.6	18.8



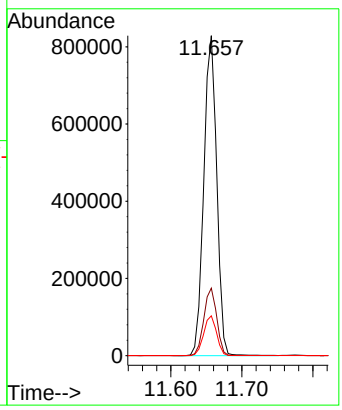


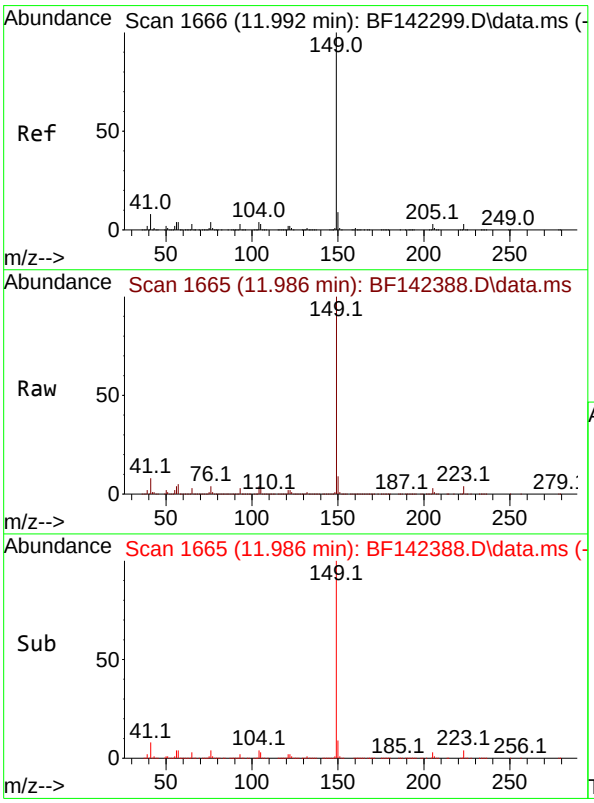
#73
Carbazole
Concen: 40.382 ng
RT: 11.657 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:167 Resp: 1049104

Ion	Ratio	Lower	Upper
167	100		
166	21.1	17.2	25.8
139	12.4	10.3	15.5

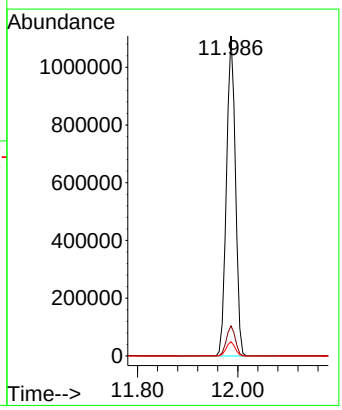


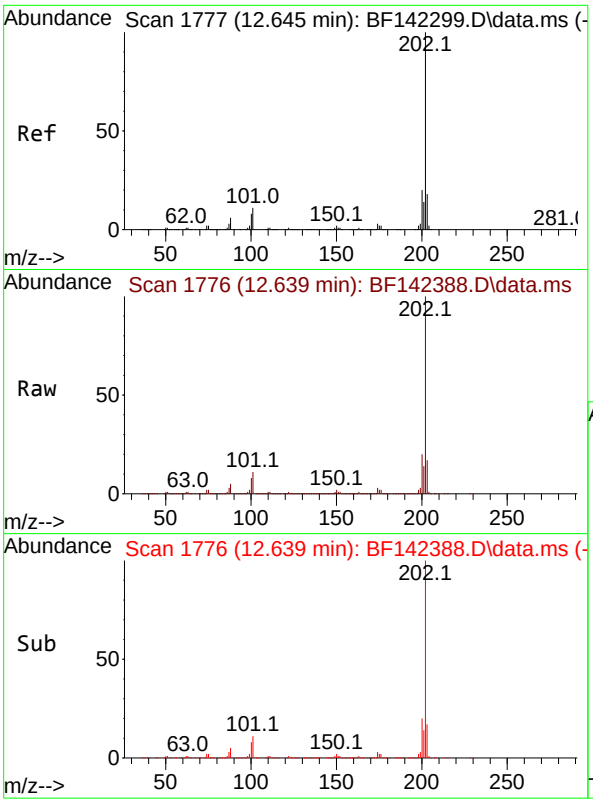


#74
Di-n-butylphthalate
Concen: 50.356 ng
RT: 11.986 min Scan# 1665
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:149 Resp: 1375619

Ion	Ratio	Lower	Upper
149	100		
150	9.4	7.5	11.3
104	4.4	3.6	5.4



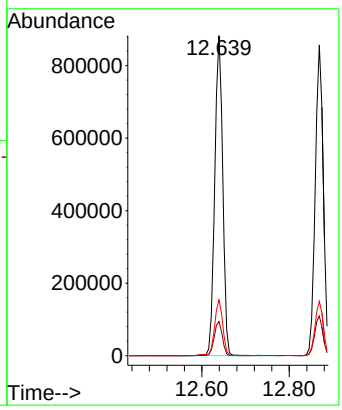


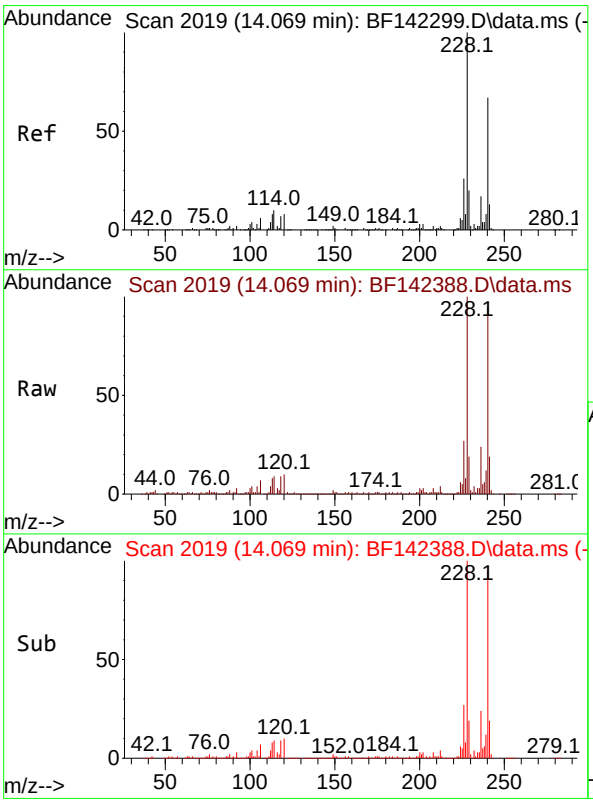
#75
Fluoranthene
Concen: 39.823 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:202 Resp: 1121887

Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	31.4
203	17.4	0.0	37.9

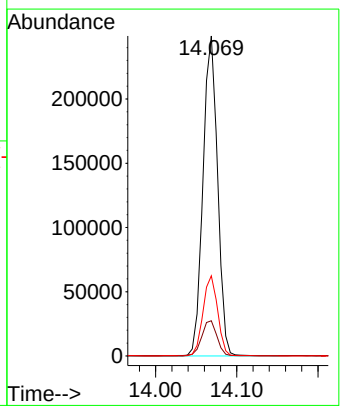


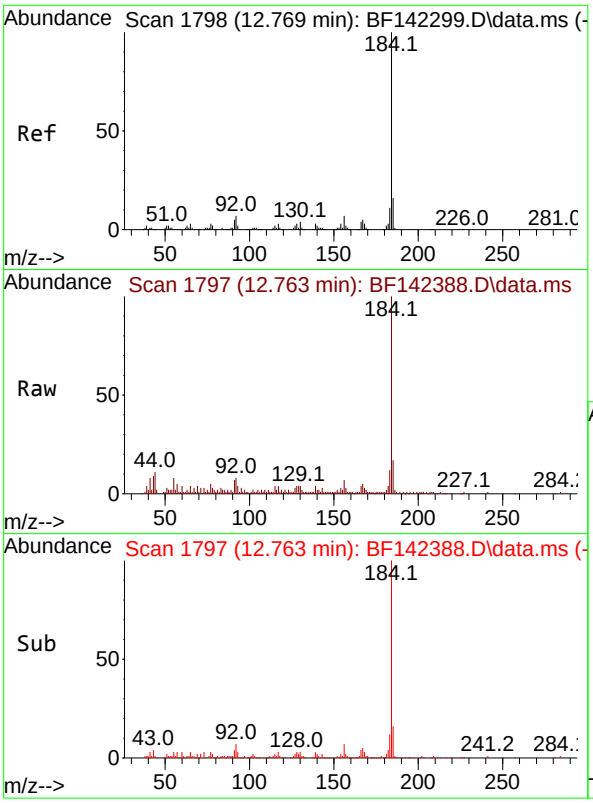


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:240 Resp: 310239

Ion	Ratio	Lower	Upper
240	100		
120	11.0	9.7	14.5
236	25.1	20.0	30.0



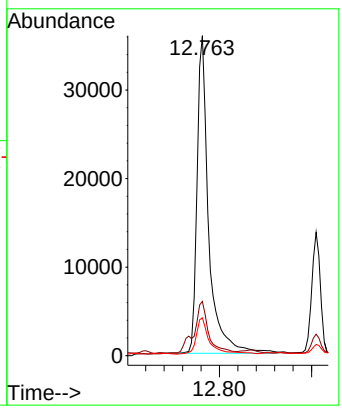


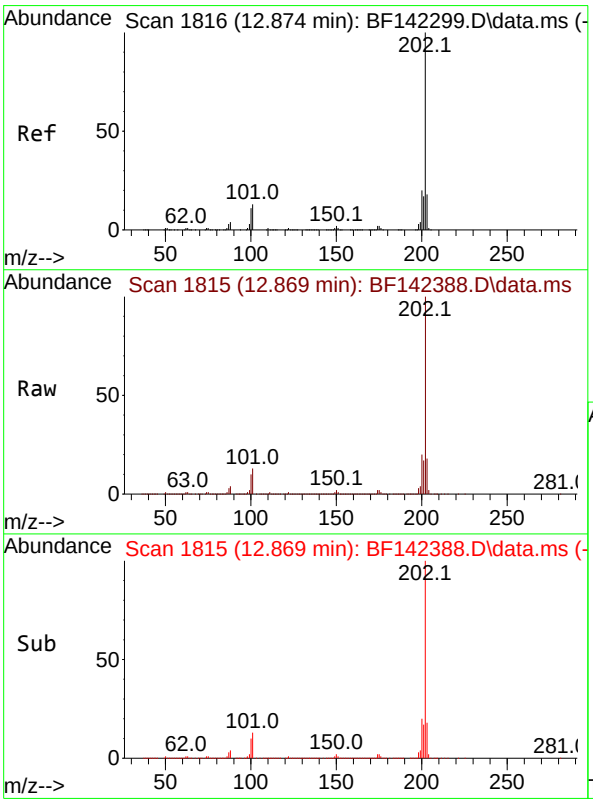
#77
Benzidine
Concen: 11.140 ng
RT: 12.763 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:184 Resp: 62808

Ion	Ratio	Lower	Upper
184	100		
185	17.0	12.6	18.8
183	11.9	8.6	12.8

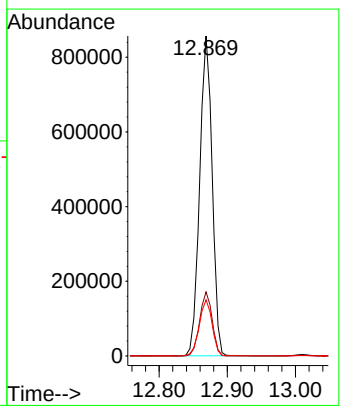


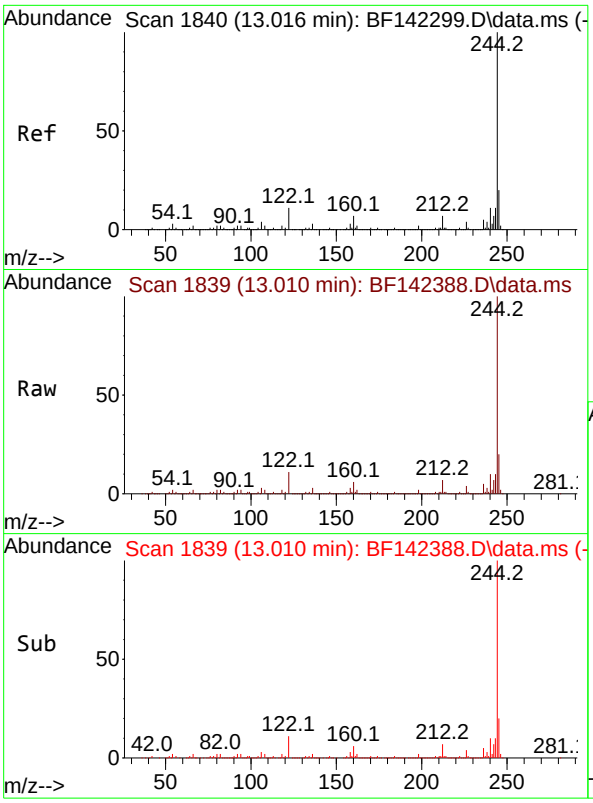


#78
Pyrene
Concen: 39.416 ng
RT: 12.869 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:202 Resp: 1088440

Ion	Ratio	Lower	Upper
202	100		
200	20.0	16.2	24.4
203	17.5	14.3	21.5



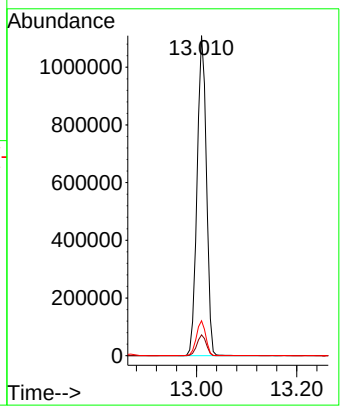


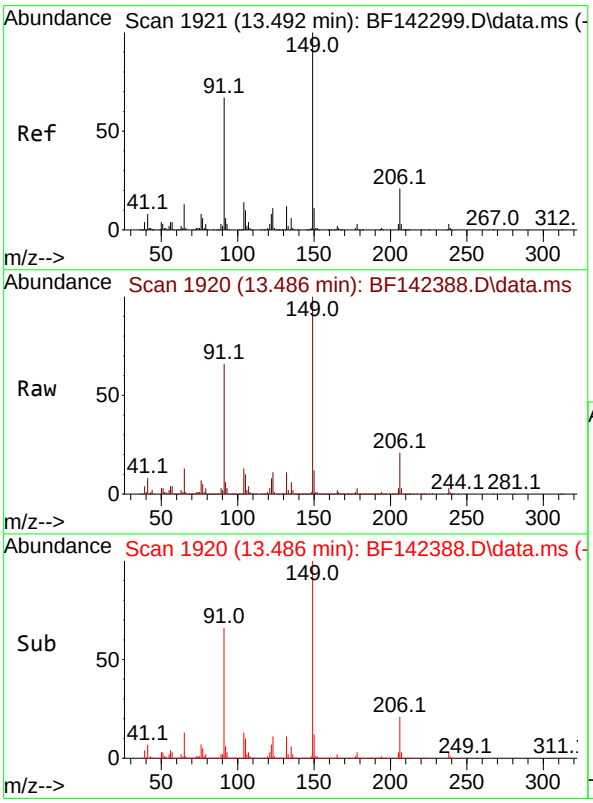
#79
Terphenyl-d14
Concen: 68.221 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:244 Resp: 1429949

Ion	Ratio	Lower	Upper
244	100		
212	6.5	5.4	8.2
122	10.9	9.0	13.4

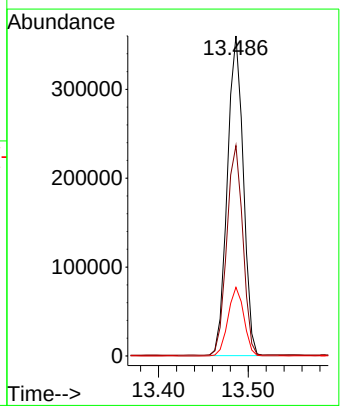


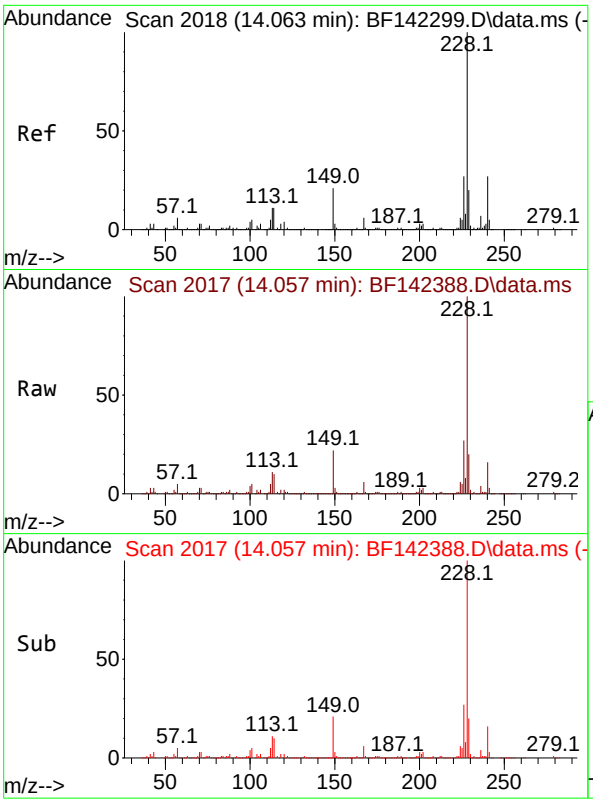


#80
Butylbenzylphthalate
Concen: 54.564 ng
RT: 13.486 min Scan# 1920
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:149 Resp: 444086

Ion	Ratio	Lower	Upper
149	100		
91	65.8	53.8	80.6
206	21.4	16.6	24.8



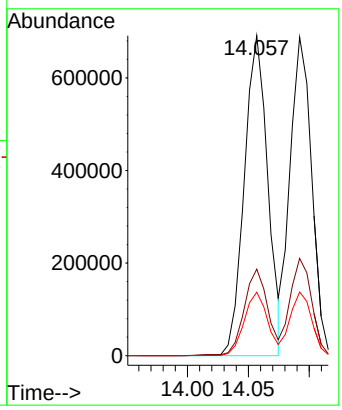


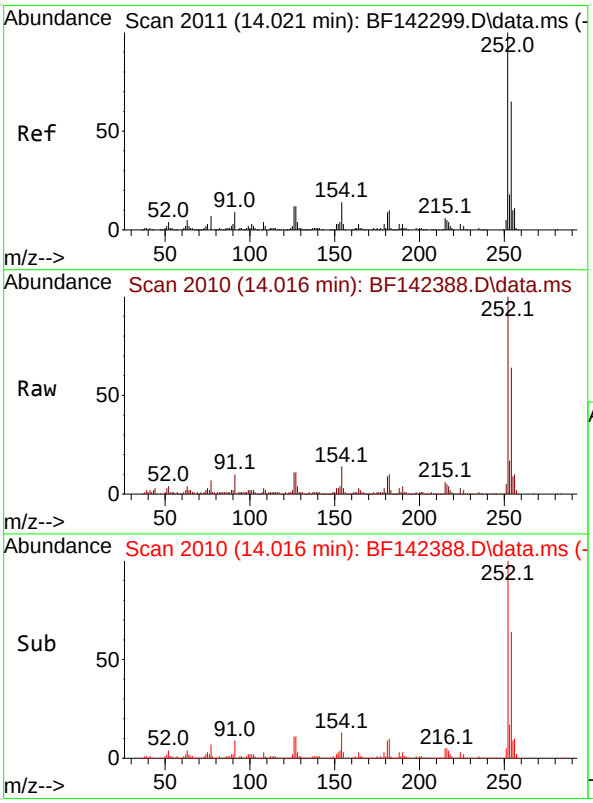
#81
Benzo(a)anthracene
Concen: 46.232 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:228 Resp: 928873

Ion	Ratio	Lower	Upper
228	100		
226	27.0	21.5	32.3
229	19.9	15.9	23.9

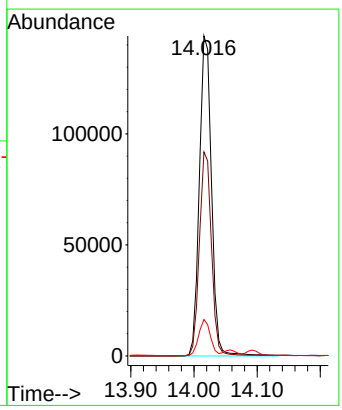


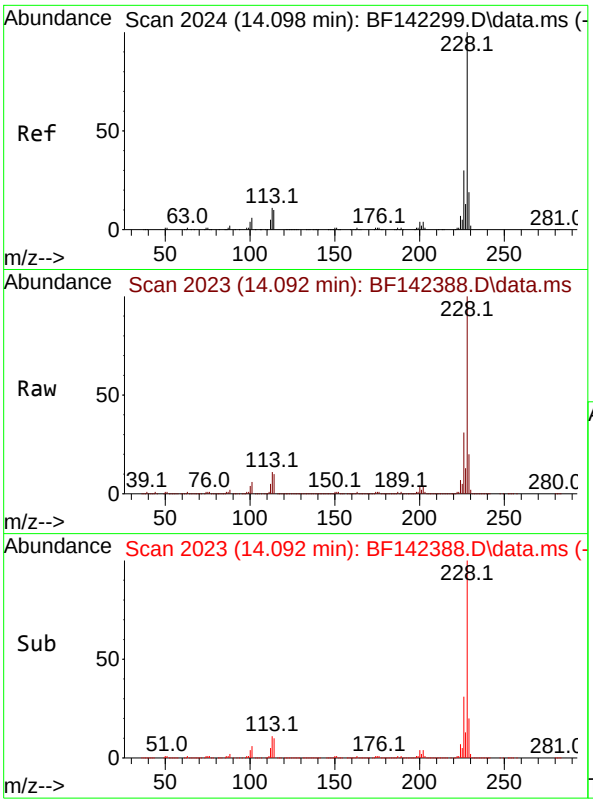


#82
3,3'-Dichlorobenzidine
Concen: 41.159 ng
RT: 14.016 min Scan# 2010
Delta R.T. -0.005 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:252 Resp: 192303

Ion	Ratio	Lower	Upper
252	100		
254	63.7	52.0	78.0
126	11.4	9.7	14.5



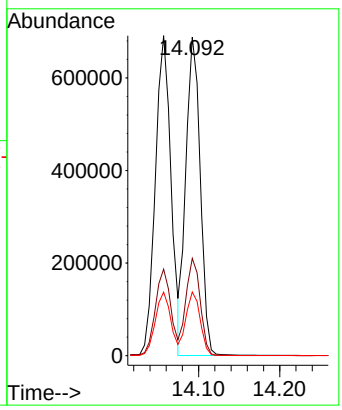


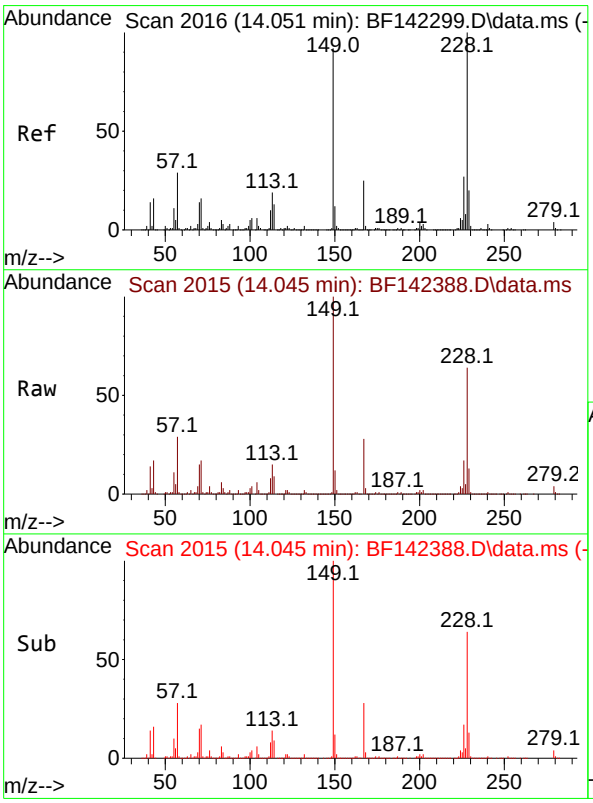
#83
Chrysene
Concen: 45.552 ng
RT: 14.092 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:228 Resp: 851984

Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.9	35.9
229	20.0	15.4	23.2

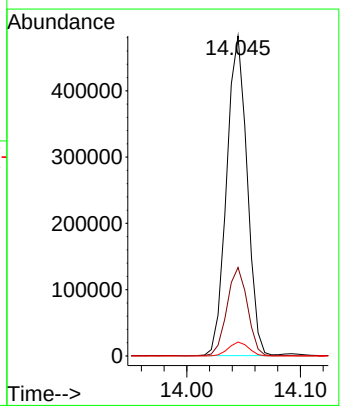


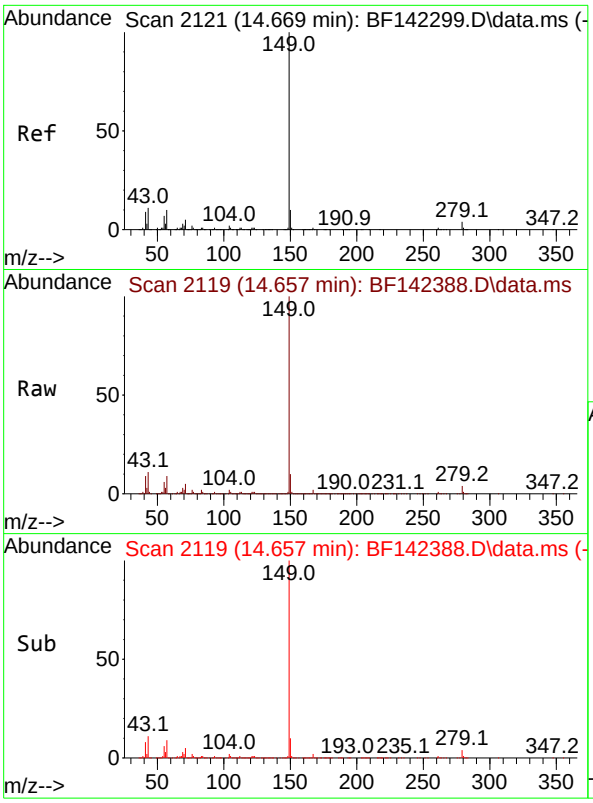


#84
Bis(2-ethylhexyl)phthalate
Concen: 56.725 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:149 Resp: 604179

Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.0	33.0
279	4.3	3.0	4.6



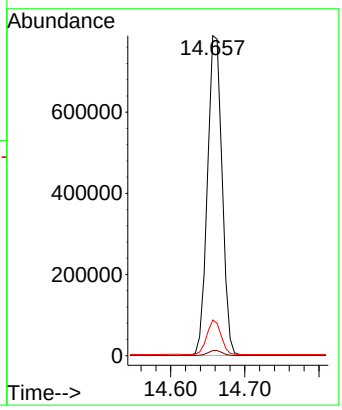


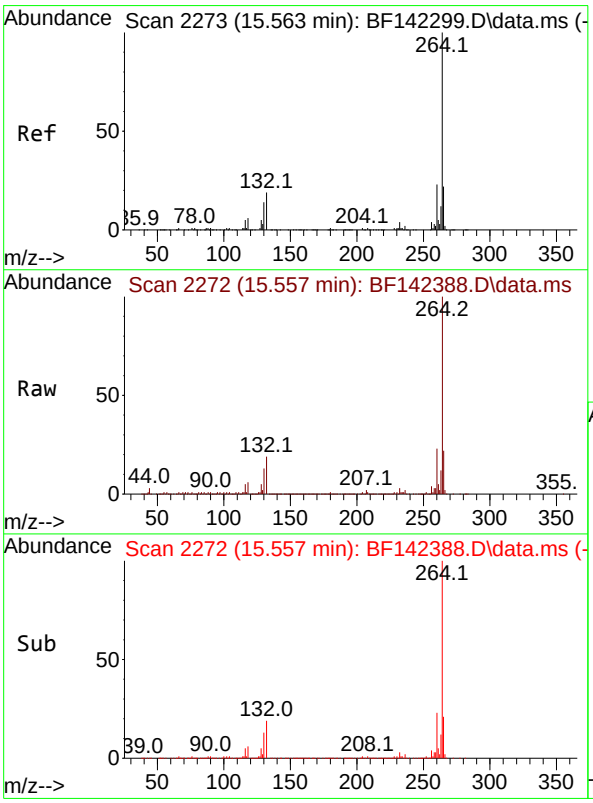
#85
Di-n-octyl phthalate
Concen: 55.501 ng
RT: 14.657 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:149 Resp: 1077874

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.1	1.7
43	10.4	9.2	13.8

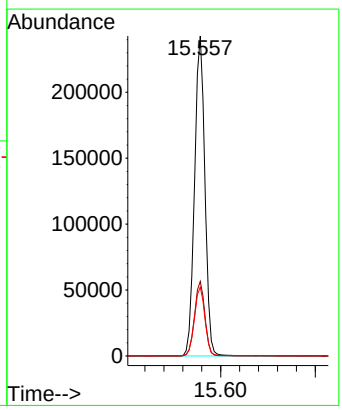


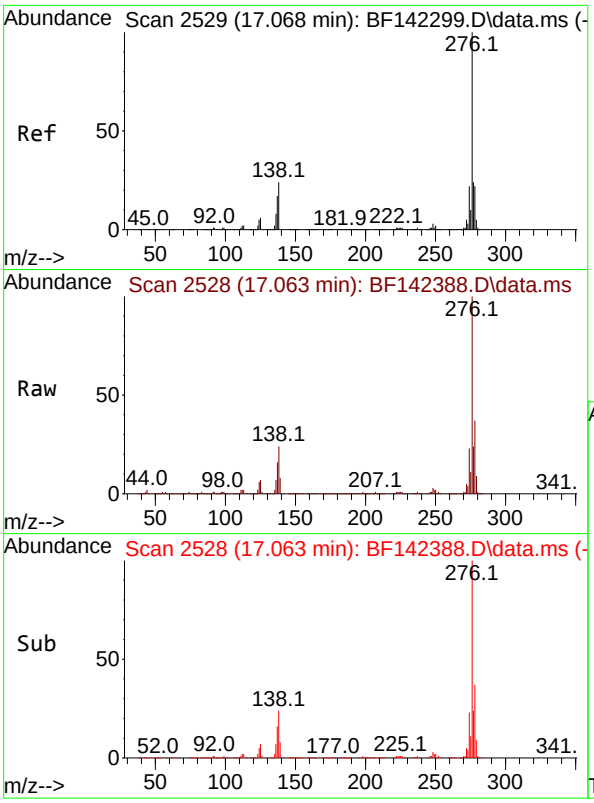


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2272
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:264 Resp: 367976

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.6	27.8
265	21.5	17.5	26.3



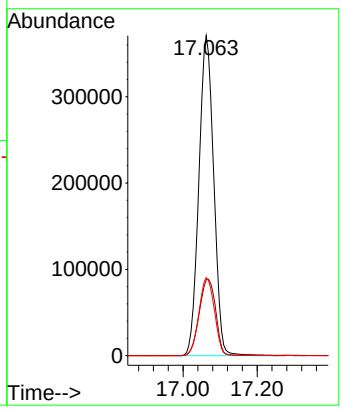


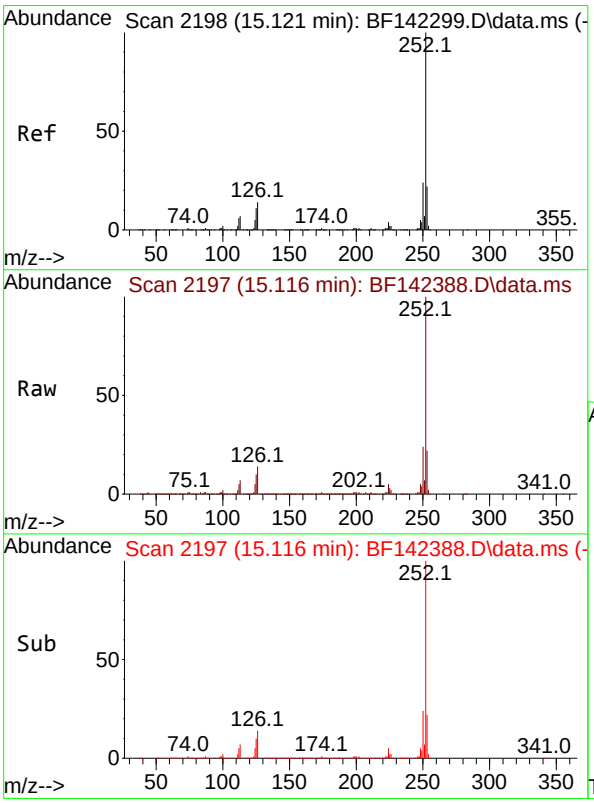
#87
Indeno(1,2,3-cd)pyrene
Concen: 40.337 ng
RT: 17.063 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:276 Resp: 1032531

Ion	Ratio	Lower	Upper
276	100		
138	26.2	22.0	33.0
277	25.5	20.1	30.1

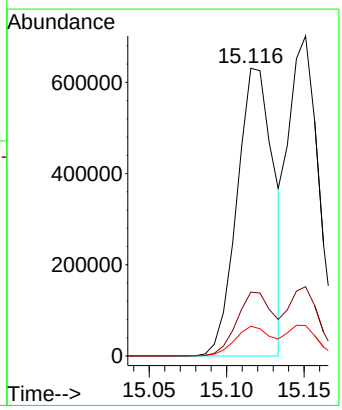


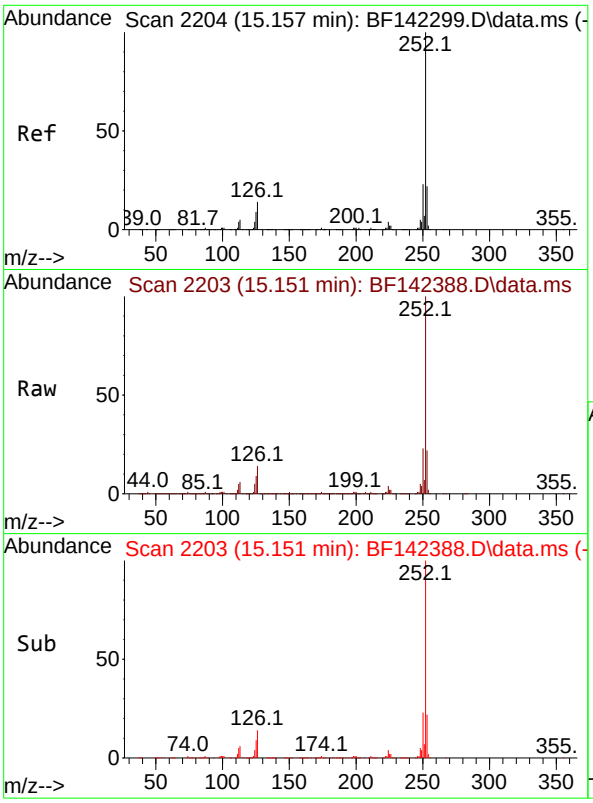


#88
Benzo(b)fluoranthene
Concen: 46.356 ng
RT: 15.116 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:252 Resp: 1033127

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	10.3	8.7	13.1



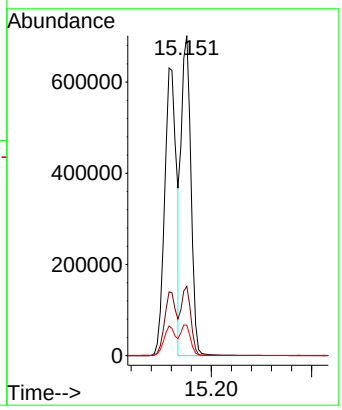


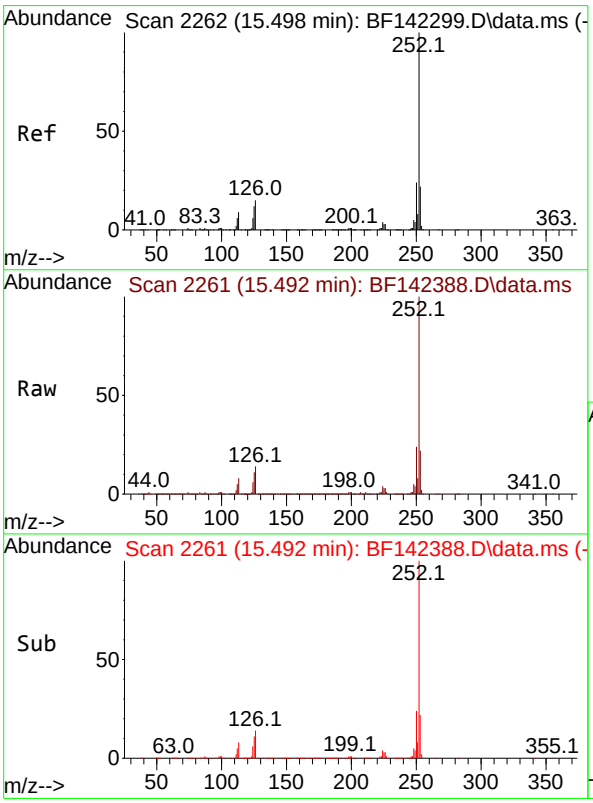
#89
Benzo(k)fluoranthene
Concen: 46.383 ng
RT: 15.151 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:252 Resp: 946000

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.6	26.4
125	9.5	8.1	12.1

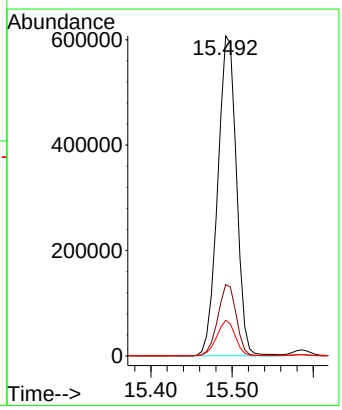


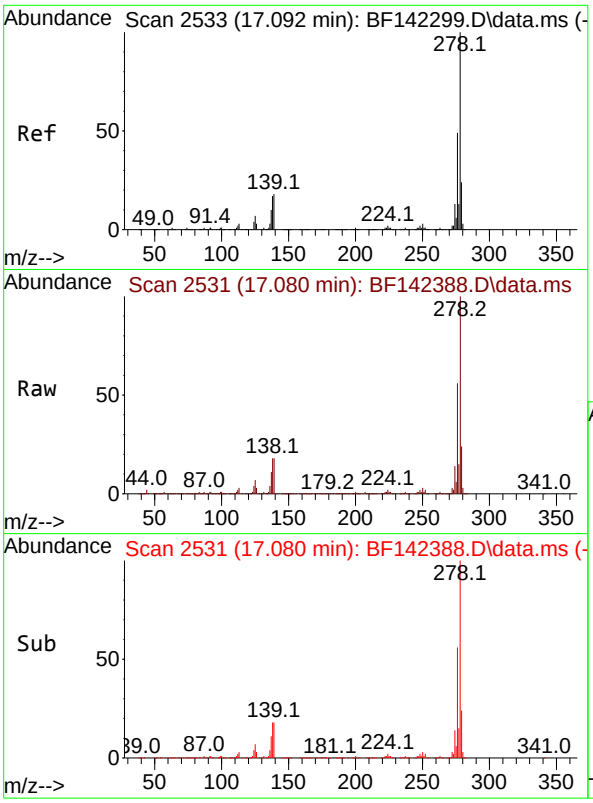


#90
Benzo(a)pyrene
Concen: 48.786 ng
RT: 15.492 min Scan# 2261
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:252 Resp: 974319

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.6
125	11.1	9.4	14.0



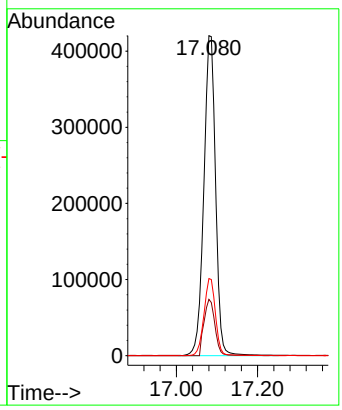


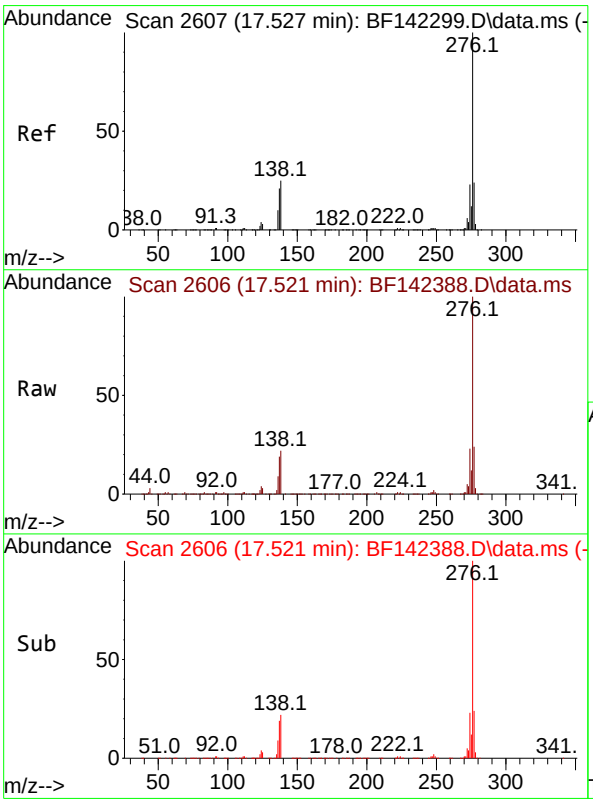
#91
Dibenzo(a,h)anthracene
Concen: 39.856 ng
RT: 17.080 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion:278 Resp: 842856

Ion	Ratio	Lower	Upper
278	100		
139	17.6	14.5	21.7
279	24.1	18.9	28.3

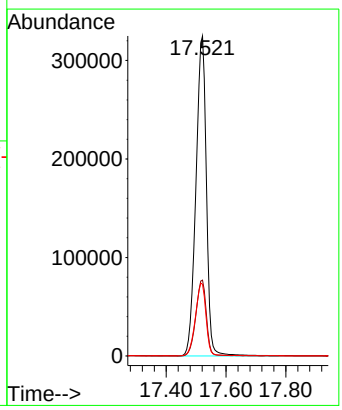




#92
Benzo(g,h,i)perylene
Concen: 37.682 ng
RT: 17.521 min Scan# 2606
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Tgt Ion:276 Resp: 790907

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.0	28.6
138	22.4	19.8	29.6



Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142389.D
Acq On : 15 May 2025 12:47
Operator : RC/JU
Sample : Q1993-03MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Quant Time: May 15 13:30:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.904	152	172657	20.000	ng		0.00
21) Naphthalene-d8	8.186	136	662026	20.000	ng		0.00
39) Acenaphthene-d10	9.939	164	357440	20.000	ng		0.00
64) Phenanthrene-d10	11.427	188	546787	20.000	ng		0.00
76) Chrysene-d12	14.068	240	314221	20.000	ng		0.00
86) Perylene-d12	15.557	264	374057	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.516	112	679597	67.192	ng		0.00
7) Phenol-d6	6.522	99	545778	43.874	ng		0.00
23) Nitrobenzene-d5	7.469	82	981708	90.437	ng		0.00
42) 2,4,6-Tribromophenol	10.733	330	496952	144.002	ng		0.00
45) 2-Fluorobiphenyl	9.263	172	1972111	78.670	ng		0.00
79) Terphenyl-d14	13.010	244	1560715	73.516	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.734	88	83098	18.245	ng		98
3) Pyridine	3.493	79	193764	18.120	ng		97
4) n-Nitrosodimethylamine	3.434	42	124182	19.981	ng		96
6) Aniline	6.563	93	429774	35.223	ng		99
8) 2-Chlorophenol	6.687	128	429490	39.738	ng		97
9) Benzaldehyde	6.451	77	259230	35.605	ng		100
10) Phenol	6.534	94	239943	18.197	ng		96
11) bis(2-Chloroethyl)ether	6.634	93	465560	35.803	ng		97
12) 1,3-Dichlorobenzene	6.845	146	437405	35.374	ng		98
13) 1,4-Dichlorobenzene	6.922	146	447175	36.019	ng		99
14) 1,2-Dichlorobenzene	7.075	146	440362	36.953	ng		100
15) Benzyl Alcohol	7.039	79	288653	35.835	ng		98
16) 2,2'-oxybis(1-Chloropr...	7.175	45	794103	40.894	ng		99
17) 2-Methylphenol	7.151	107	298612	34.126	ng		99
18) Hexachloroethane	7.416	117	149837	36.273	ng		100
19) n-Nitroso-di-n-propyla...	7.316	70	352727	45.840	ng		97
20) 3+4-Methylphenols	7.304	107	327459	29.985	ng	#	67
22) Acetophenone	7.310	105	662853	45.031	ng		99
24) Nitrobenzene	7.487	77	494951	48.371	ng		96
25) Isophorone	7.722	82	961365	46.768	ng		100
26) 2-Nitrophenol	7.798	139	278478	55.742	ng		99
27) 2,4-Dimethylphenol	7.834	122	447099	43.261	ng		99
28) bis(2-Chloroethoxy)met...	7.934	93	606692	45.900	ng		99
29) 2,4-Dichlorophenol	8.039	162	420656	47.875	ng		99
30) 1,2,4-Trichlorobenzene	8.128	180	418015	42.273	ng		99
31) Naphthalene	8.210	128	1389634	43.310	ng		100
32) Benzoic acid	7.910	122	100050	23.298	ng		98
33) 4-Chloroaniline	8.251	127	225855	17.251	ng		99
34) Hexachlorobutadiene	8.322	225	243324	41.556	ng		99
35) Caprolactam	8.622	113	18970	7.408	ng		99
36) 4-Chloro-3-methylphenol	8.722	107	398461	43.626	ng		99
37) 2-Methylnaphthalene	8.898	142	897809	45.031	ng		100
38) 1-Methylnaphthalene	8.998	142	928360	44.675	ng		99
40) 1,2,4,5-Tetrachloroben...	9.063	216	448092	44.886	ng		99
41) Hexachlorocyclopentadiene	9.051	237	529316	85.793	ng		99
43) 2,4,6-Trichlorophenol	9.169	196	334881	53.182	ng		99

Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142389.D
Acq On : 15 May 2025 12:47
Operator : RC/JU
Sample : Q1993-03MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Quant Time: May 15 13:30:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	324822	48.481	ng		98
46) 1,1'-Biphenyl	9.363	154	1234418	45.041	ng		99
47) 2-Chloronaphthalene	9.386	162	917216	45.002	ng		99
48) 2-Nitroaniline	9.480	65	282636	54.101	ng		93
49) Acenaphthylene	9.804	152	1533127	44.966	ng		100
50) Dimethylphthalate	9.663	163	1109141	48.324	ng		100
51) 2,6-Dinitrotoluene	9.722	165	244138	56.826	ng		91
52) Acenaphthene	9.975	154	1043039	50.877	ng		100
53) 3-Nitroaniline	9.886	138	130415	25.883	ng		98
54) 2,4-Dinitrophenol	9.998	184	265247	114.370	ng	#	1
55) Dibenzofuran	10.145	168	1352552	44.704	ng		99
56) 4-Nitrophenol	10.045	139	143679	37.888	ng		95
57) 2,4-Dinitrotoluene	10.128	165	321887	58.409	ng		94
58) Fluorene	10.492	166	1019788	44.166	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.263	232	281314	50.862	ng		97
60) Diethylphthalate	10.363	149	1662268	72.520	ng		99
61) 4-Chlorophenyl-phenyle...	10.480	204	514546	46.190	ng		99
62) 4-Nitroaniline	10.504	138	207168	51.876	ng		100
63) Azobenzene	10.639	77	995905	45.468	ng		100
65) 4,6-Dinitro-2-methylph...	10.533	198	165536	62.409	ng		96
66) n-Nitrosodiphenylamine	10.604	169	916055	50.347	ng		100
67) 4-Bromophenyl-phenylether	10.975	248	325670	52.554	ng		95
68) Hexachlorobenzene	11.039	284	355537	52.158	ng		95
69) Atrazine	11.127	200	235144	49.027	ng		99
70) Pentachlorophenol	11.227	266	397210	110.768	ng		98
71) Phenanthrene	11.451	178	1344429	46.908	ng		100
72) Anthracene	11.504	178	1366126	46.389	ng		100
73) Carbazole	11.657	167	1133485	42.901	ng		99
74) Di-n-butylphthalate	11.986	149	1504794	54.164	ng		100
75) Fluoranthene	12.639	202	1219362	42.560	ng		99
77) Benzidine	12.763	184	82144	14.385	ng		98
78) Pyrene	12.869	202	1194024	42.691	ng		100
80) Butylbenzylphthalate	13.486	149	487221	58.801	ng		98
81) Benzo(a)anthracene	14.057	228	990604	48.680	ng		100
82) 3,3'-Dichlorobenzidine	14.015	252	202558	42.804	ng		100
83) Chrysene	14.092	228	918925	48.508	ng		99
84) Bis(2-ethylhexyl)phtha...	14.045	149	661166	60.948	ng		100
85) Di-n-octyl phthalate	14.663	149	1132929	57.300	ng		97
87) Indeno(1,2,3-cd)pyrene	17.062	276	1062226	40.822	ng		98
88) Benzo(b)fluoranthene	15.121	252	1077537	47.563	ng		99
89) Benzo(k)fluoranthene	15.151	252	1006024	48.525	ng		100
90) Benzo(a)pyrene	15.498	252	1021358	50.310	ng		98
91) Dibenzo(a,h)anthracene	17.086	278	868581	40.405	ng		98
92) Benzo(g,h,i)perylene	17.521	276	805852	37.770	ng		97

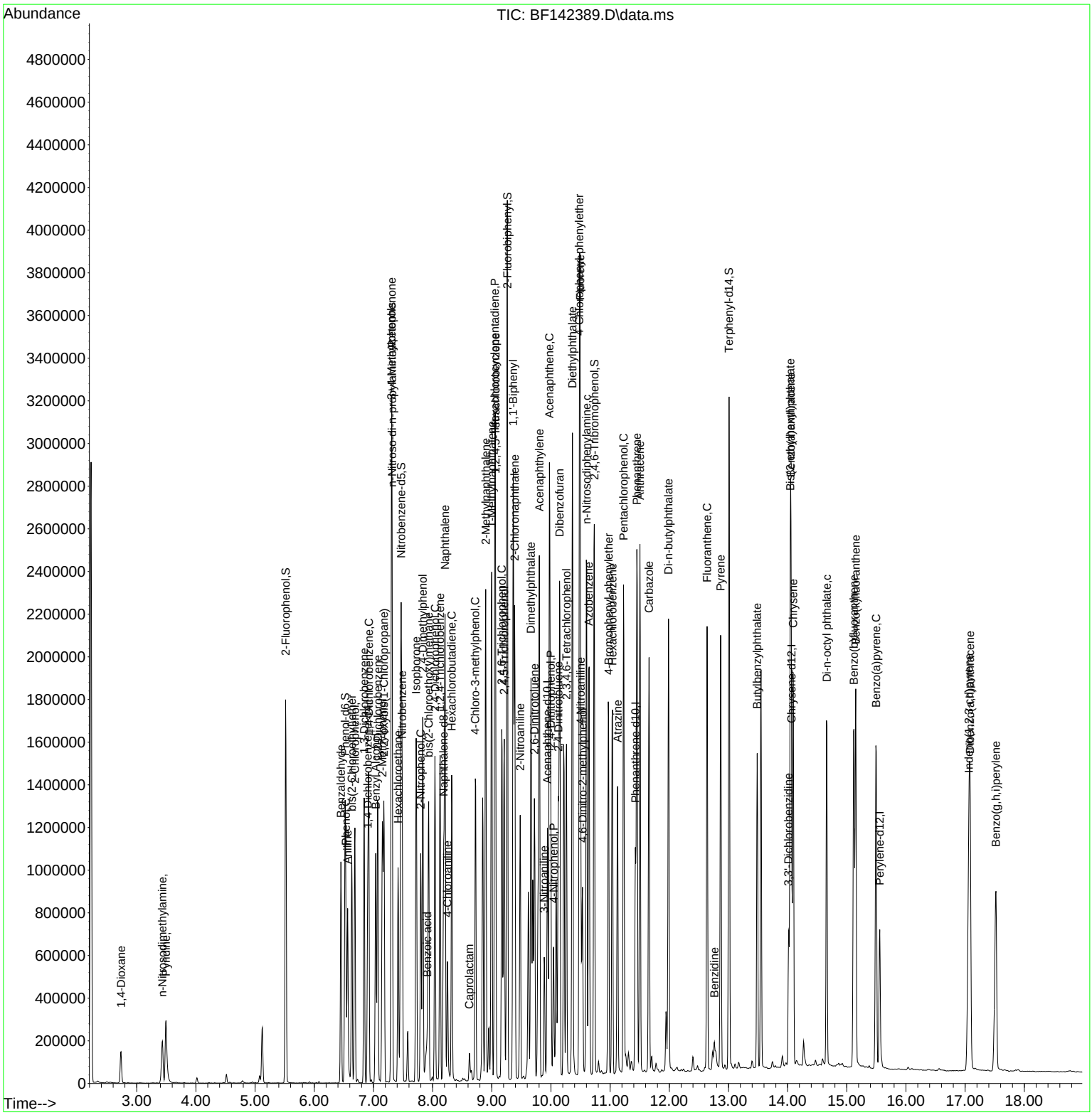
(#) = qualifier out of range (m) = manual integration (+) = signals summed

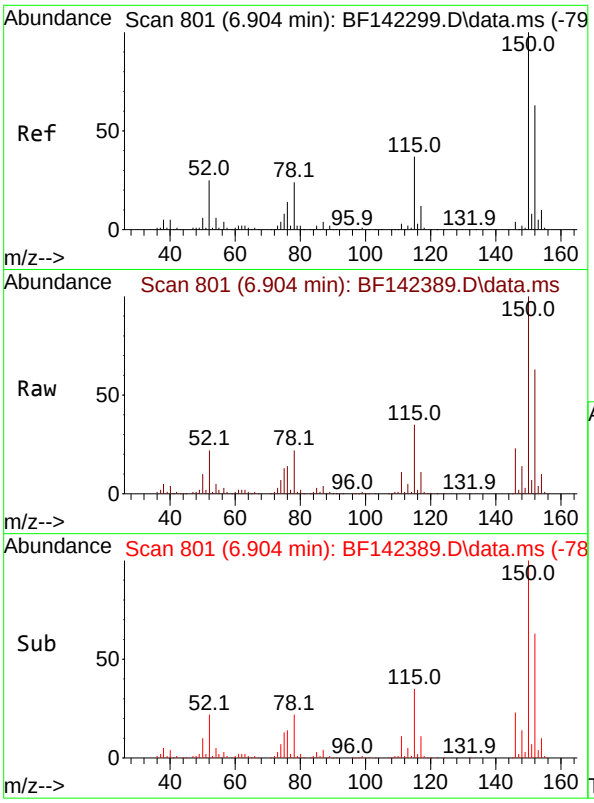
Quantitation Report (Not Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051525\
Data File : BF142389.D
Acq On : 15 May 2025 12:47
Operator : RC/JU
Sample : Q1993-03MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Quant Time: May 15 13:30:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration



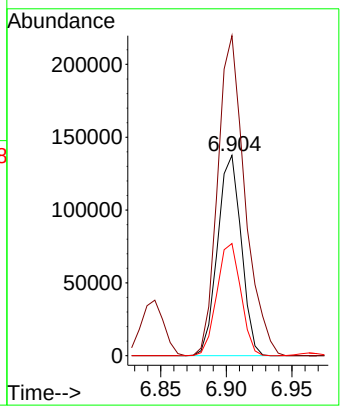


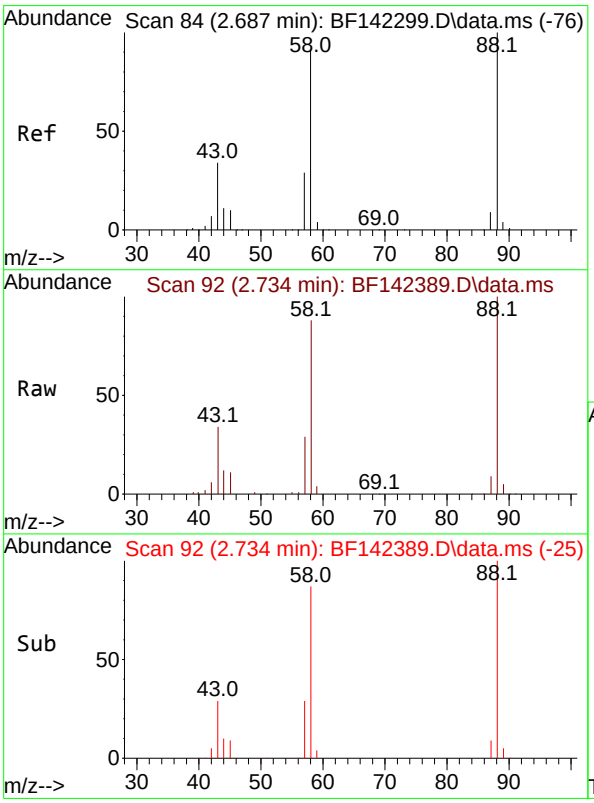
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:152 Resp: 172657

Ion	Ratio	Lower	Upper
152	100		
150	159.7	126.6	190.0
115	56.0	47.3	70.9

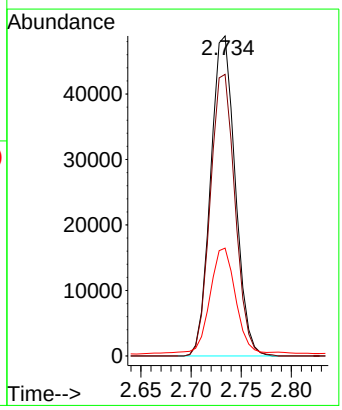


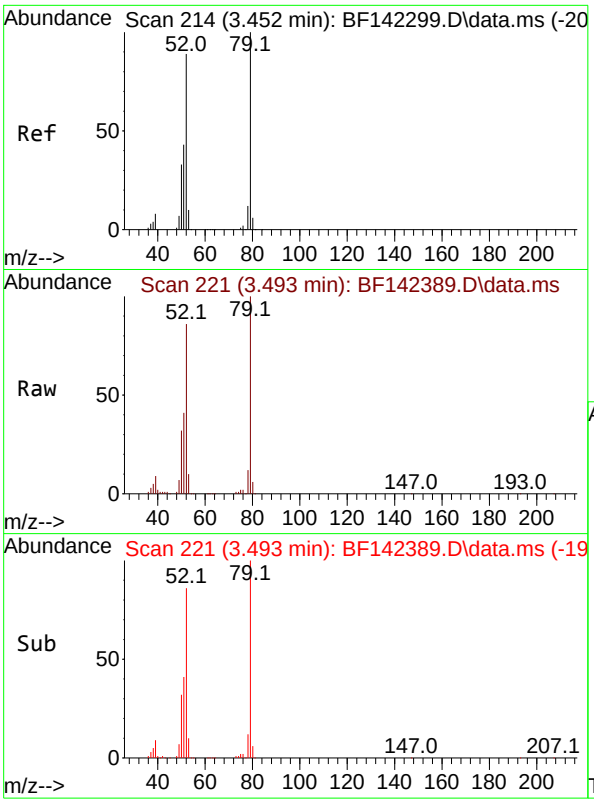


#2
1,4-Dioxane
Concen: 18.245 ng
RT: 2.734 min Scan# 92
Delta R.T. 0.047 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion: 88 Resp: 83098

Ion	Ratio	Lower	Upper
88	100		
58	88.6	73.0	109.4
43	35.5	27.8	41.6



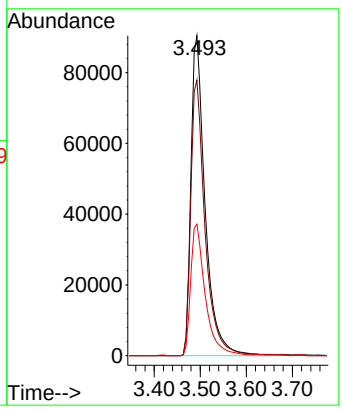


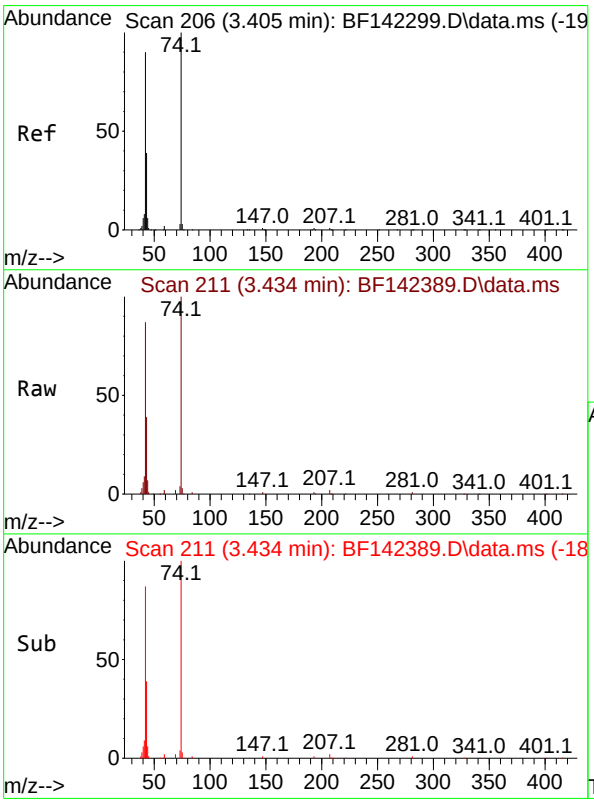
#3
Pyridine
Concen: 18.120 ng
RT: 3.493 min Scan# 2
Delta R.T. 0.041 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion: 79 Resp: 193764

Ion	Ratio	Lower	Upper
79	100		
52	86.1	71.0	106.4
51	41.1	34.9	52.3

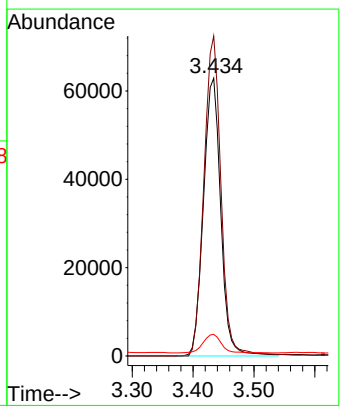


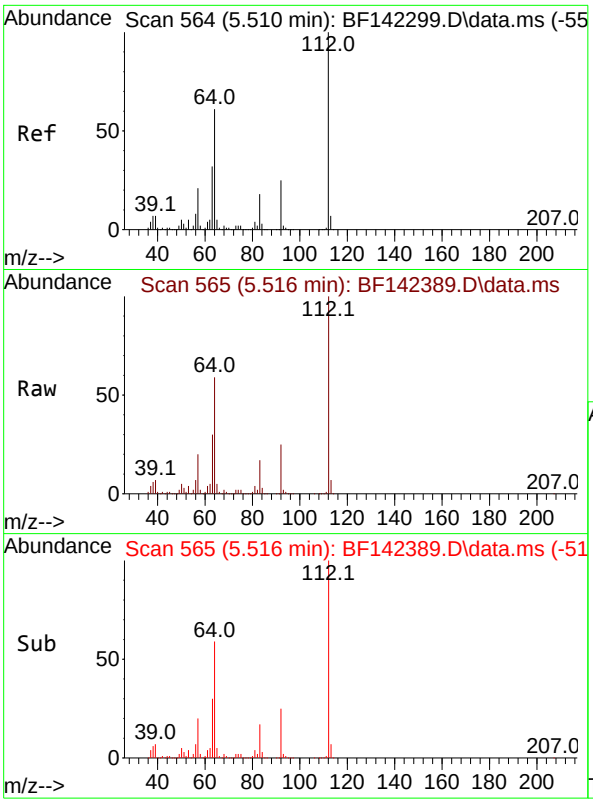


#4
n-Nitrosodimethylamine
Concen: 19.981 ng
RT: 3.434 min Scan# 211
Delta R.T. 0.029 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion: 42 Resp: 124182

Ion	Ratio	Lower	Upper
42	100		
74	115.2	88.5	132.7
44	7.8	5.8	8.8



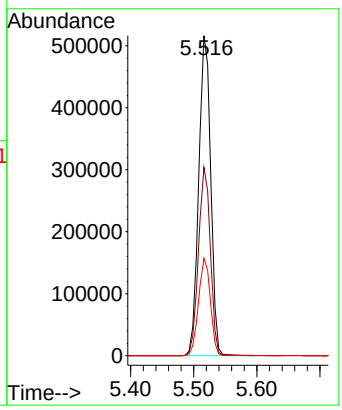


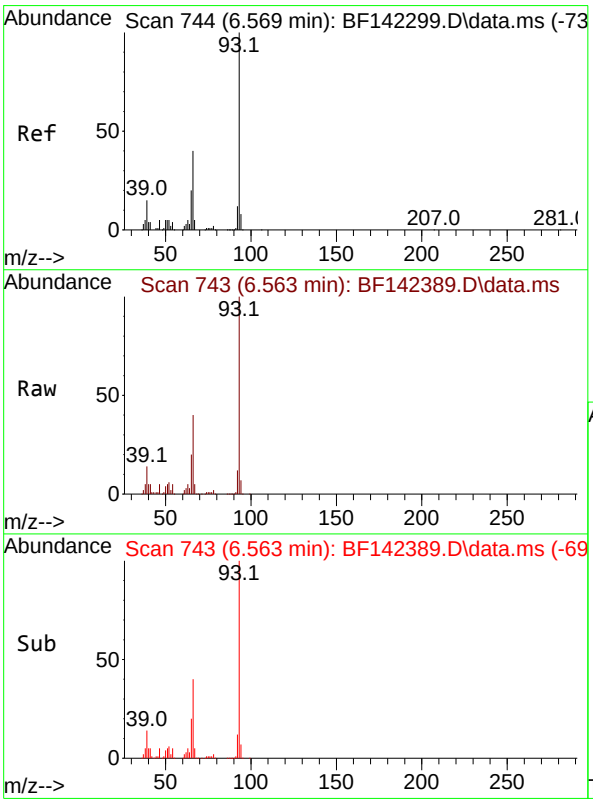
#5
2-Fluorophenol
Concen: 67.192 ng
RT: 5.516 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:112 Resp: 679597

Ion	Ratio	Lower	Upper
112	100		
64	58.9	48.9	73.3
63	30.4	25.6	38.4

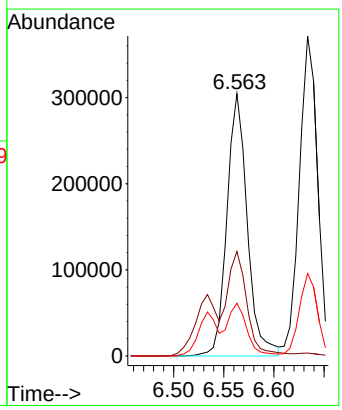


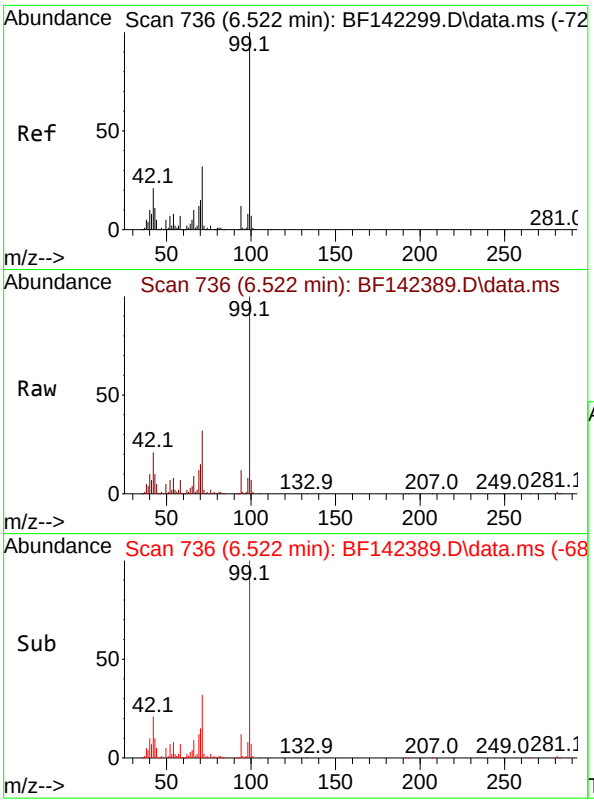


#6
Aniline
Concen: 35.223 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion: 93 Resp: 429774

Ion	Ratio	Lower	Upper
93	100		
66	39.9	32.2	48.4
65	20.1	16.3	24.5



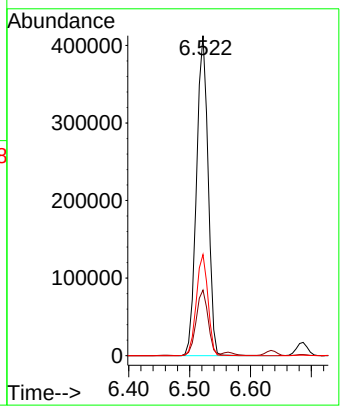


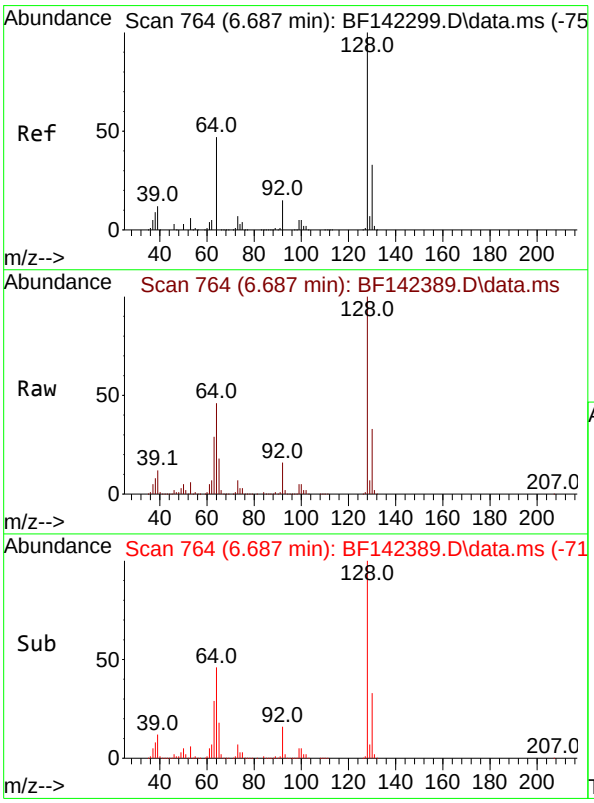
#7
Phenol-d6
Concen: 43.874 ng
RT: 6.522 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion: 99 Resp: 545778

Ion	Ratio	Lower	Upper
99	100		
42	20.5	17.0	25.4
71	31.6	25.8	38.8

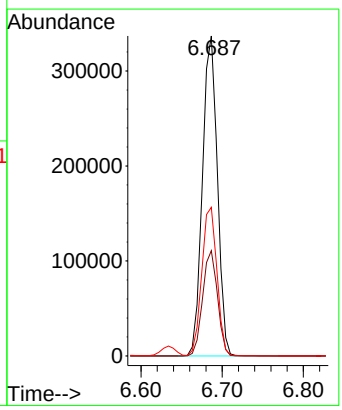


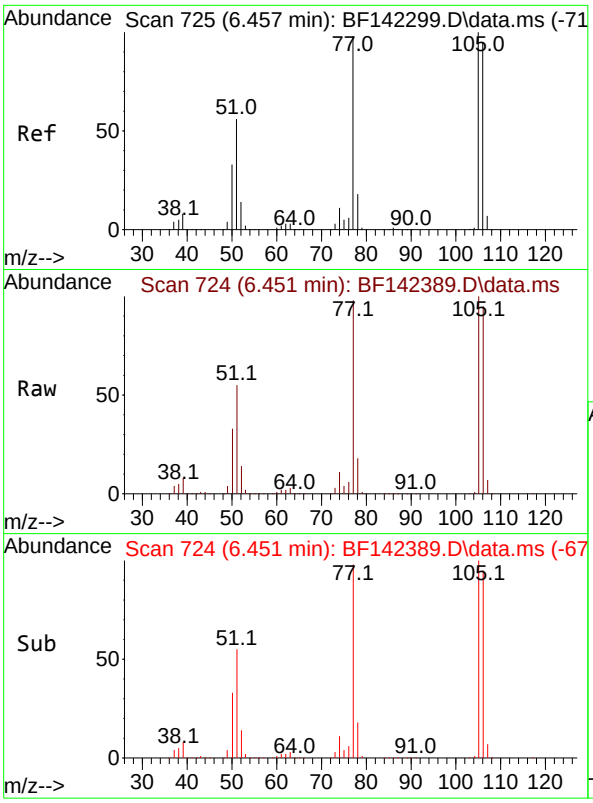


#8
2-Chlorophenol
Concen: 39.738 ng
RT: 6.687 min Scan# 764
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:128 Resp: 429490

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.7	52.7
64	46.5	29.2	69.2



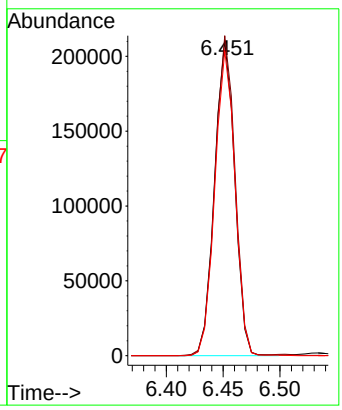


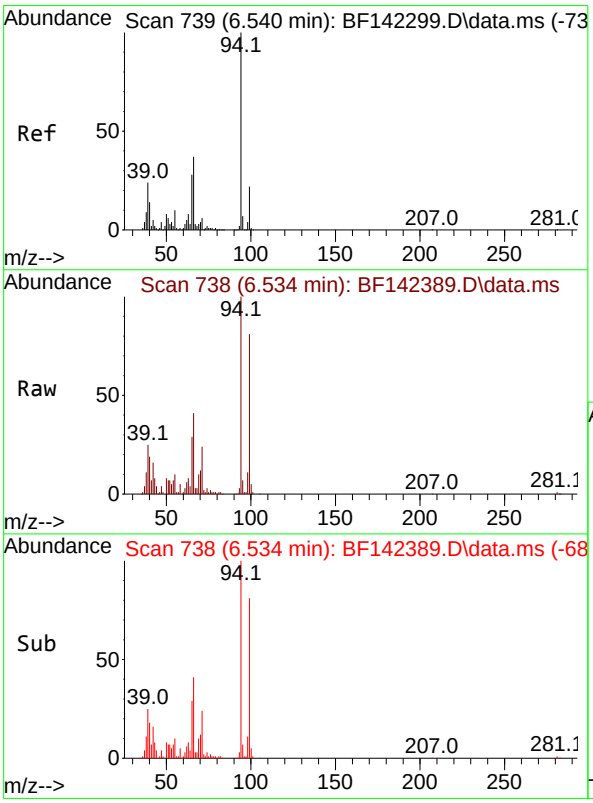
#9
Benzaldehyde
Concen: 35.605 ng
RT: 6.451 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion: 77 Resp: 259230

Ion	Ratio	Lower	Upper
77	100		
105	101.6	82.0	122.0
106	96.8	77.2	117.2

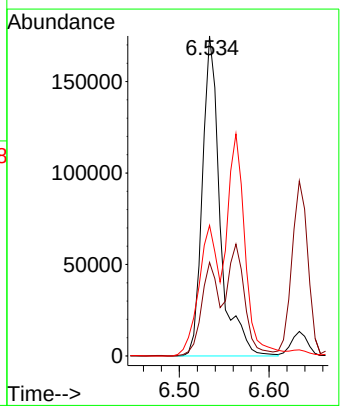


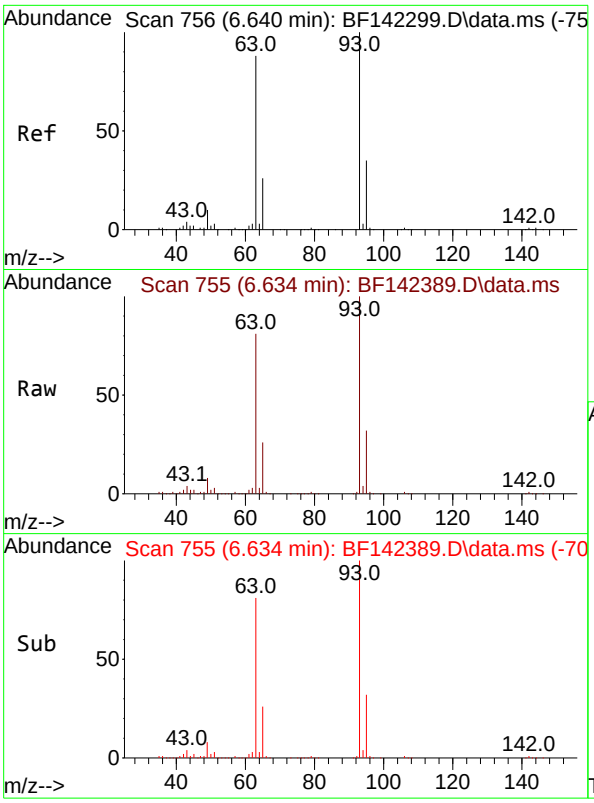


#10
Phenol
Concen: 18.197 ng
RT: 6.534 min Scan# 738
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion: 94 Resp: 239943

Ion	Ratio	Lower	Upper
94	100		
65	29.3	8.5	48.5
66	40.8	17.3	57.3



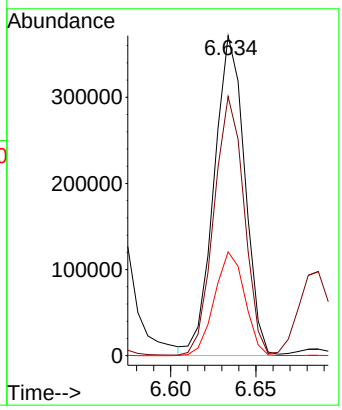


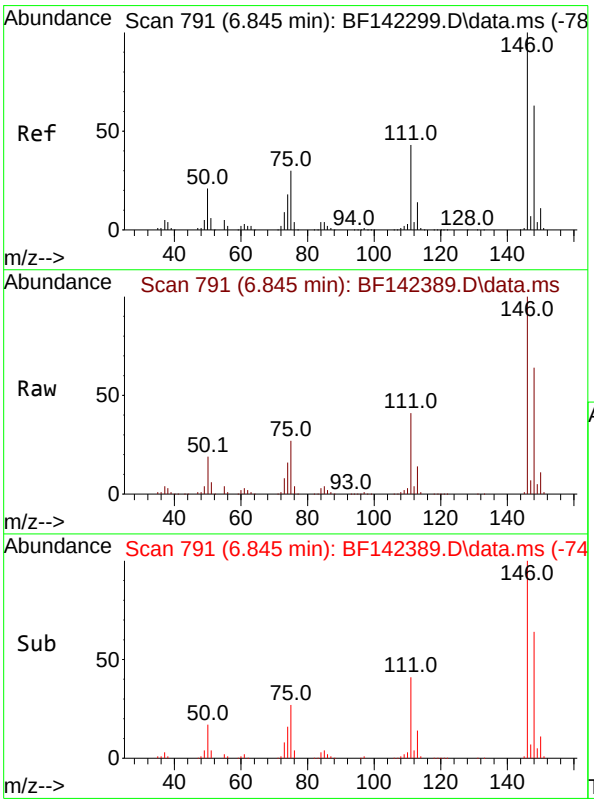
#11
bis(2-Chloroethyl)ether
Concen: 35.803 ng
RT: 6.634 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion: 93 Resp: 465560

Ion	Ratio	Lower	Upper
93	100		
63	81.0	58.4	98.4
95	32.4	10.6	50.6

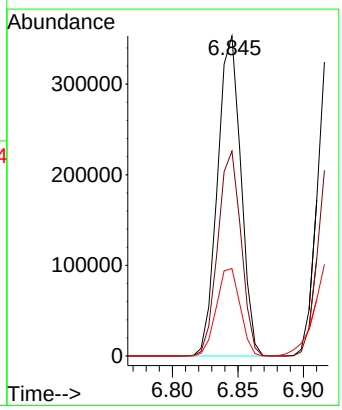


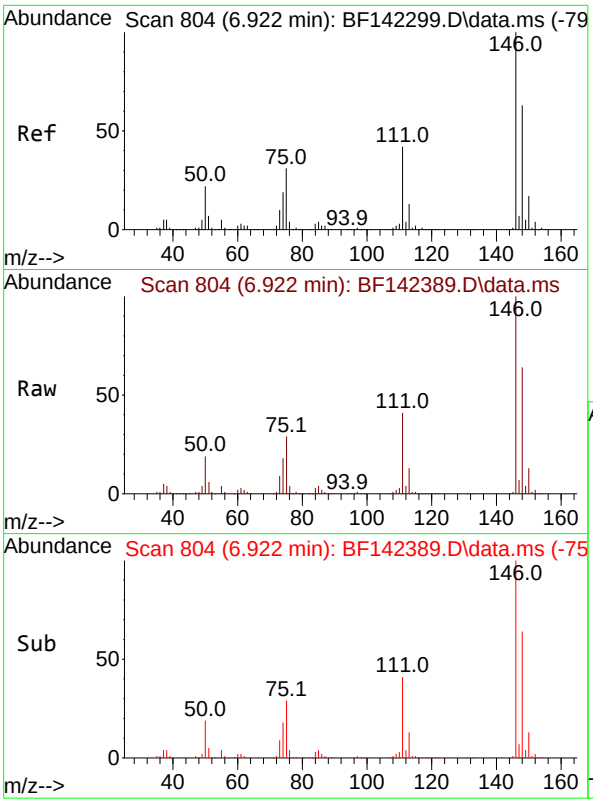


#12
1,3-Dichlorobenzene
Concen: 35.374 ng
RT: 6.845 min Scan# 791
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:146 Resp: 437405

Ion	Ratio	Lower	Upper
146	100		
148	64.0	50.6	76.0
75	27.3	24.2	36.4



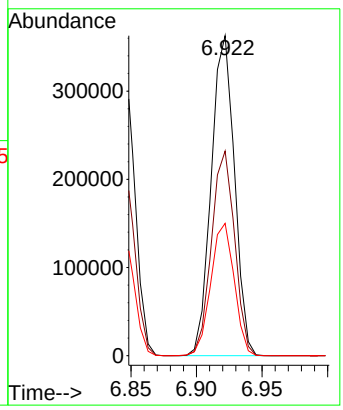


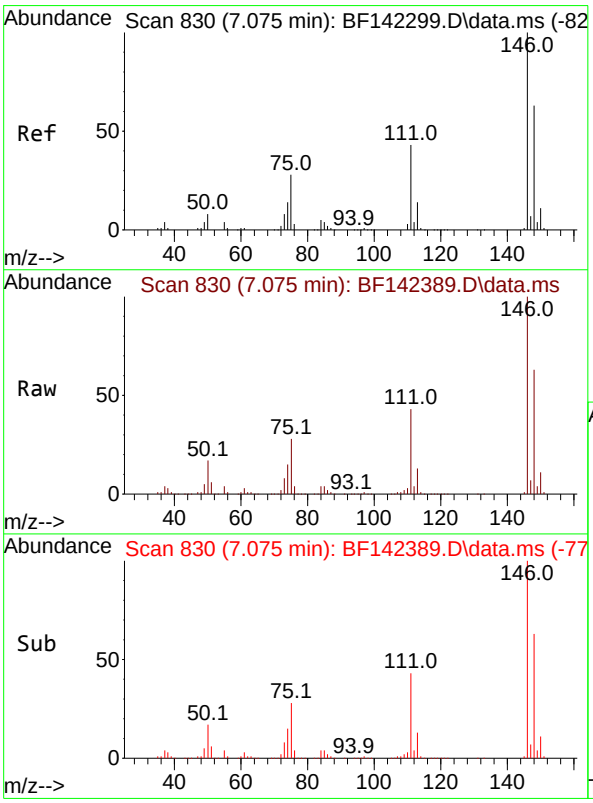
#13
1,4-Dichlorobenzene
Concen: 36.019 ng
RT: 6.922 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:146 Resp: 447175

Ion	Ratio	Lower	Upper
146	100		
148	63.9	50.5	75.7
111	41.3	33.4	50.2

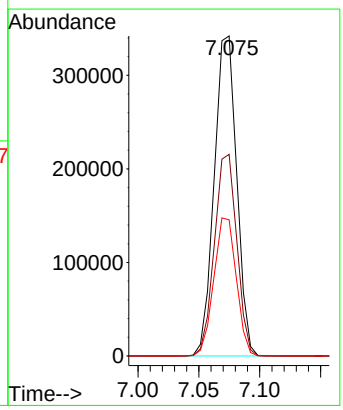


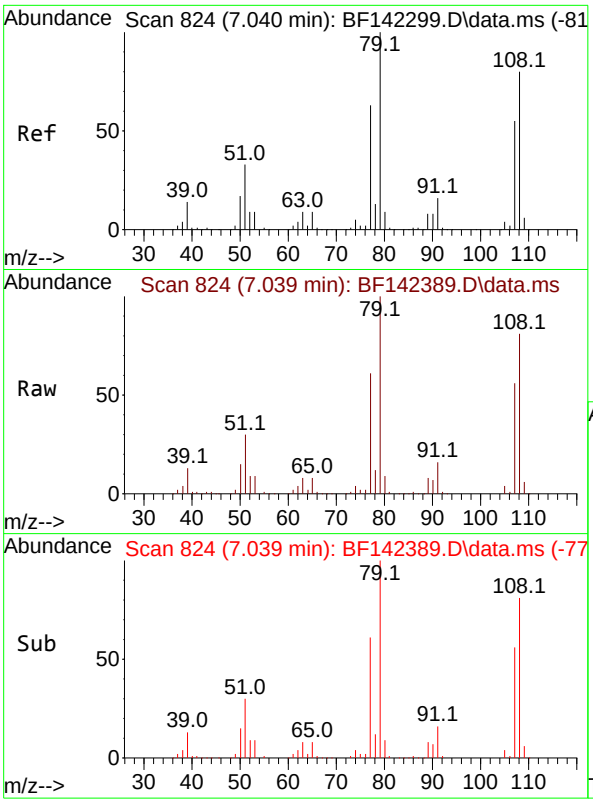


#14
1,2-Dichlorobenzene
Concen: 36.953 ng
RT: 7.075 min Scan# 830
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:146 Resp: 440362

Ion	Ratio	Lower	Upper
146	100		
148	63.0	50.3	75.5
111	42.6	34.5	51.7



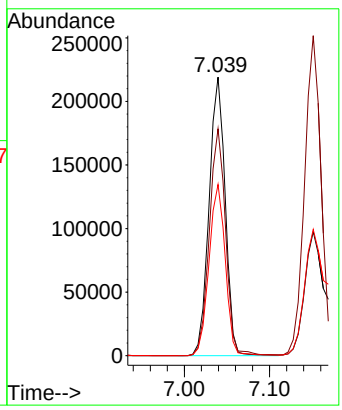


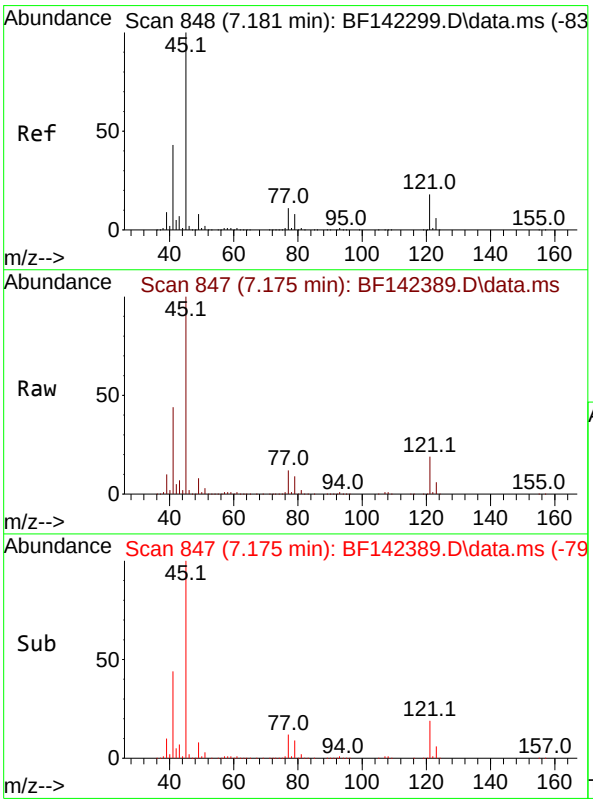
#15
Benzyl Alcohol
Concen: 35.835 ng
RT: 7.039 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion: 79 Resp: 288653

Ion	Ratio	Lower	Upper
79	100		
108	81.4	63.9	95.9
77	61.5	50.7	76.1

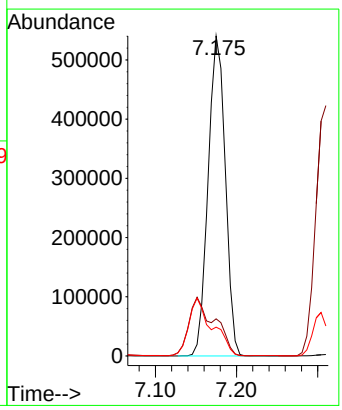


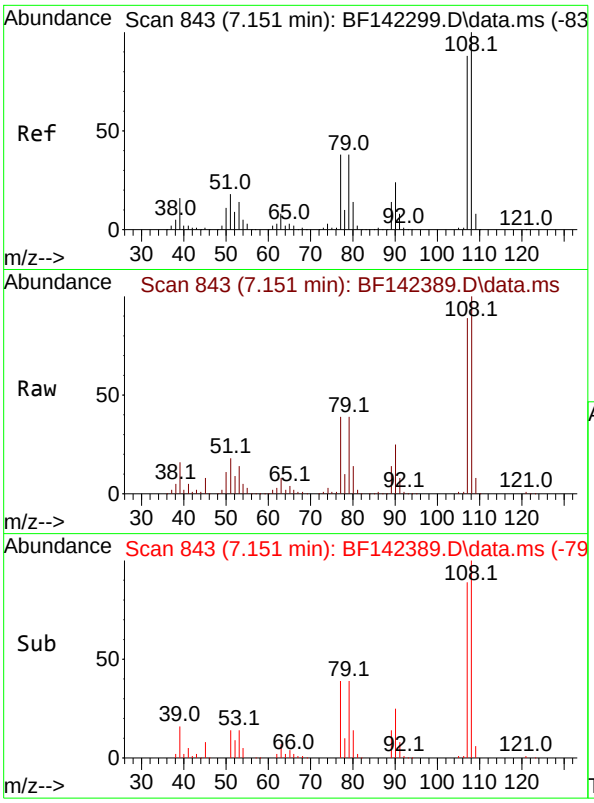


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.894 ng
RT: 7.175 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion: 45 Resp: 794103

Ion	Ratio	Lower	Upper
45	100		
77	11.6	0.0	31.2
79	9.0	0.0	28.5



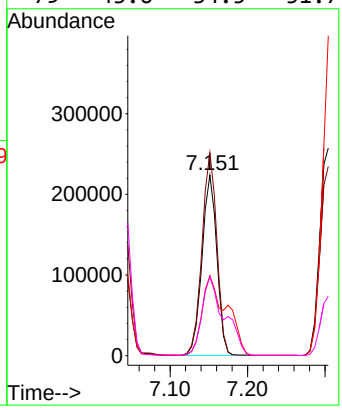


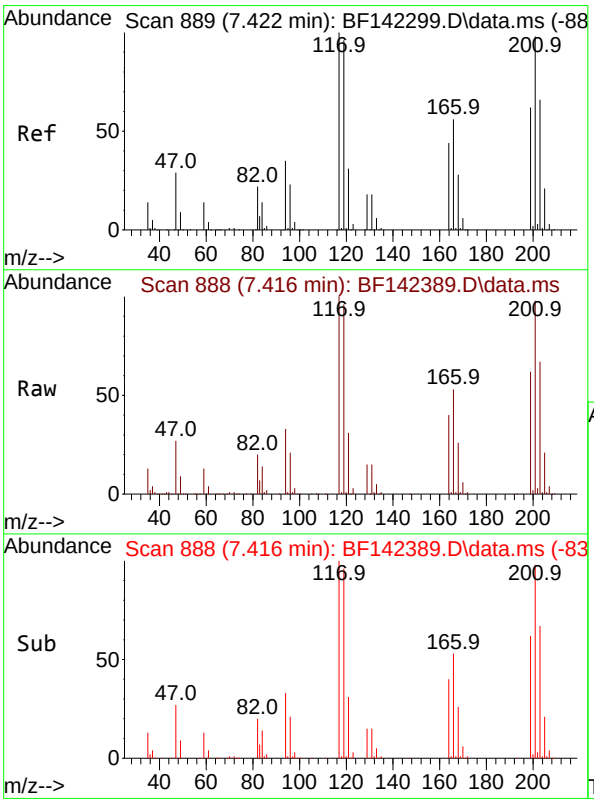
#17
2-Methylphenol
Concen: 34.126 ng
RT: 7.151 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:107 Resp: 298612

Ion	Ratio	Lower	Upper
107	100		
108	112.5	91.1	136.7
77	44.4	34.7	52.1
79	43.6	34.5	51.7

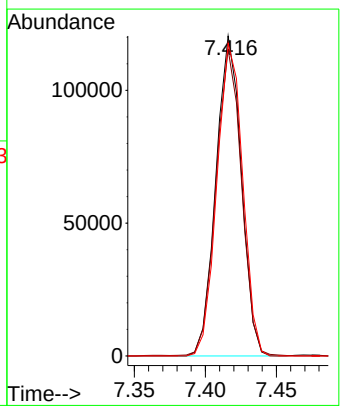


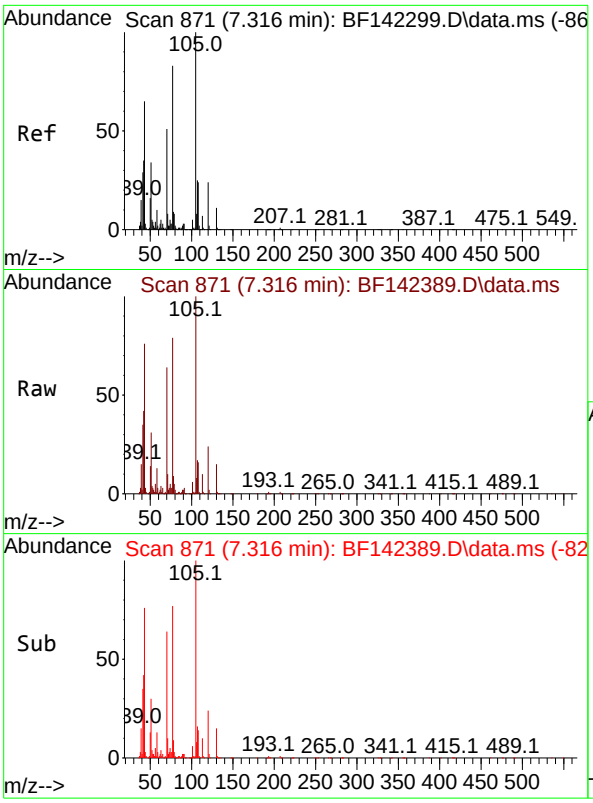


#18
Hexachloroethane
Concen: 36.273 ng
RT: 7.416 min Scan# 888
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:117 Resp: 149837

Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.9	115.3
201	97.8	78.0	117.0



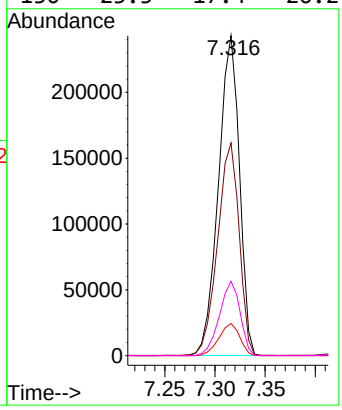


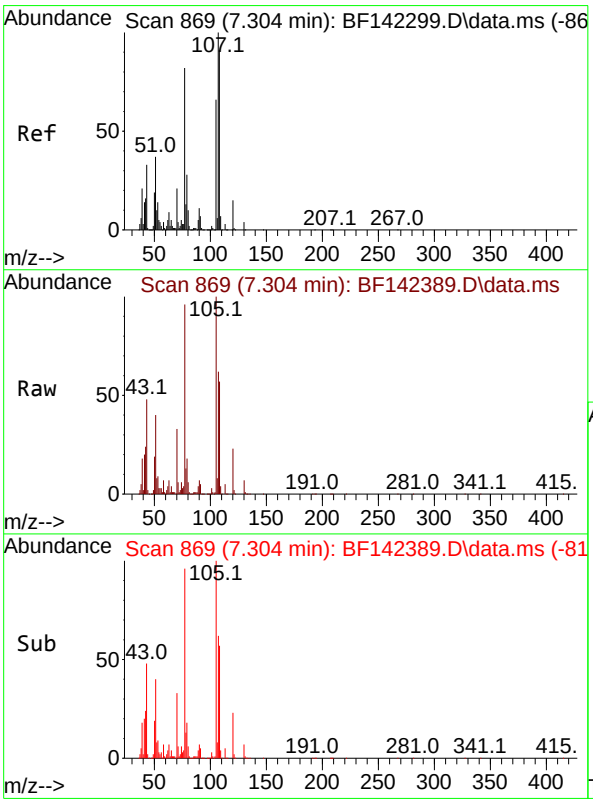
#19
n-Nitroso-di-n-propylamine
Concen: 45.840 ng
RT: 7.316 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion: 70 Resp: 352727

Ion	Ratio	Lower	Upper
70	100		
42	66.5	54.8	82.2
101	10.1	7.7	11.5
130	23.3	17.4	26.2

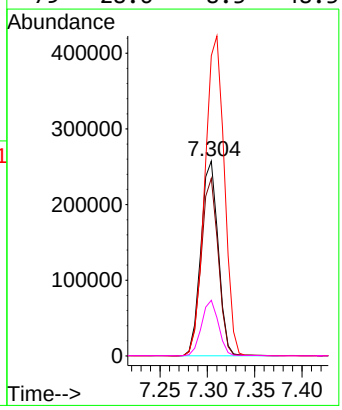


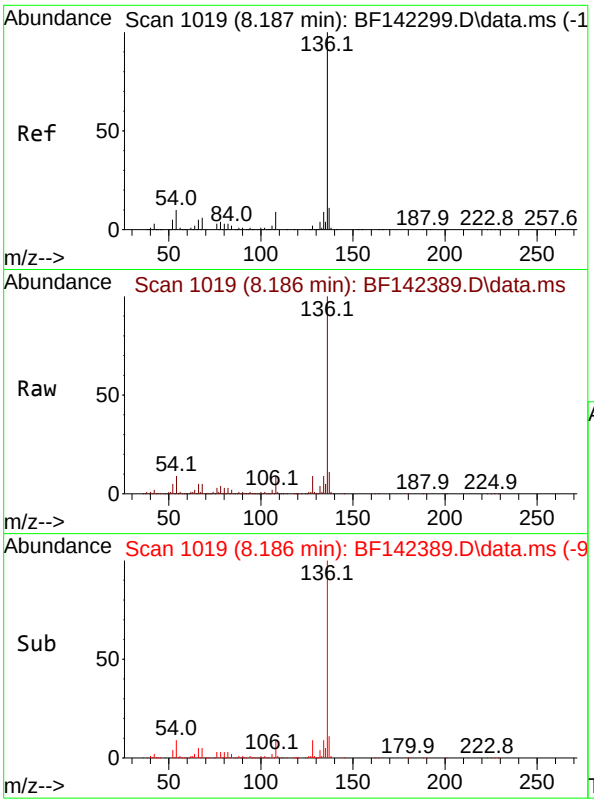


#20
3+4-Methylphenols
Concen: 29.985 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:107 Resp: 327459

Ion	Ratio	Lower	Upper
107	100		
108	91.1	71.5	111.5
77	154.0	61.6	101.6#
79	28.6	8.3	48.3



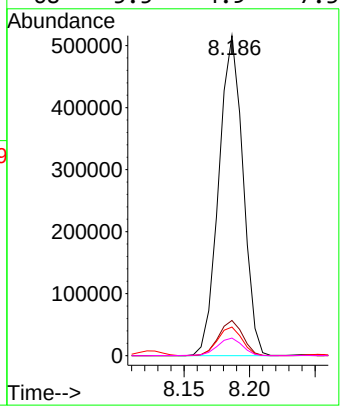


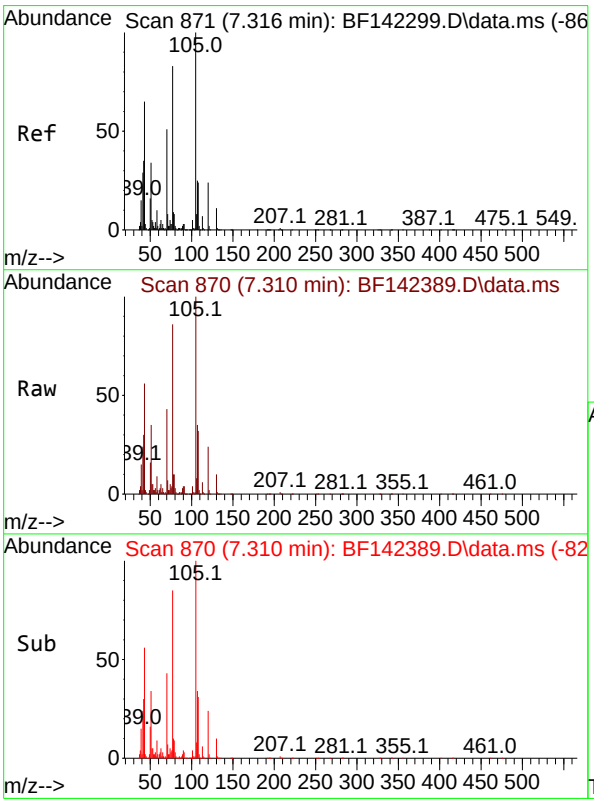
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:136 Resp: 662026

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	9.0	7.7	11.5
68	5.5	4.9	7.3

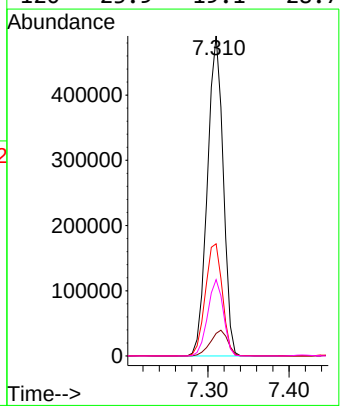


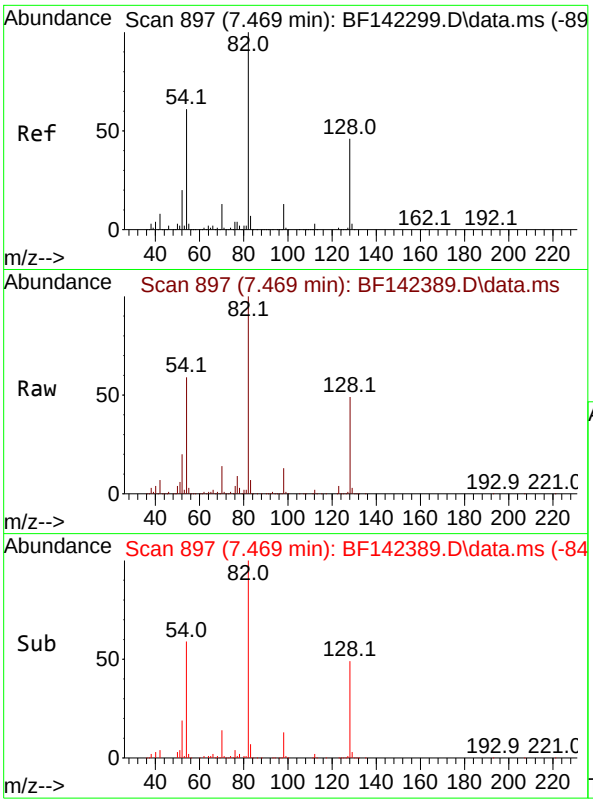


#22
Acetophenone
Concen: 45.031 ng
RT: 7.310 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:105 Resp: 662853

Ion	Ratio	Lower	Upper
105	100		
71	7.1	6.7	10.1
51	35.1	27.6	41.4
120	23.9	19.1	28.7



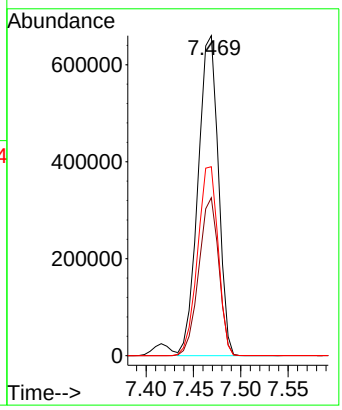


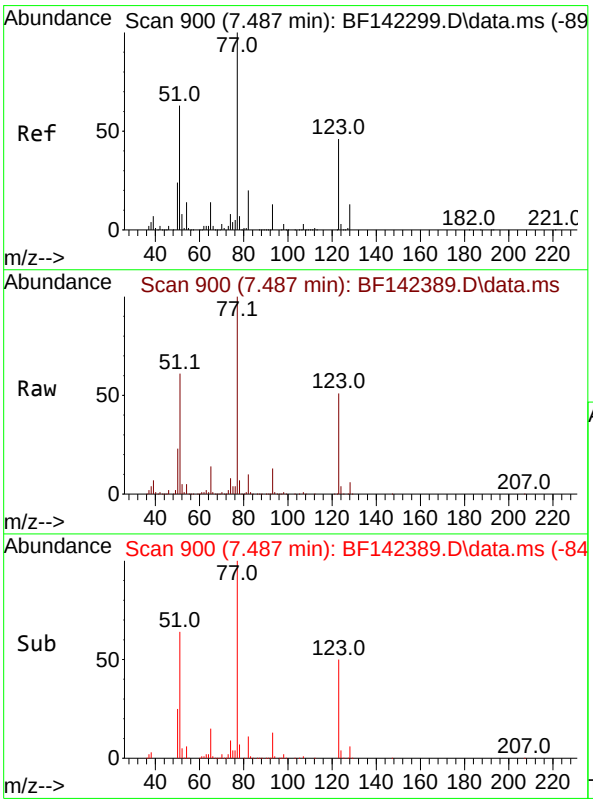
#23
Nitrobenzene-d5
Concen: 90.437 ng
RT: 7.469 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion: 82 Resp: 981708

Ion	Ratio	Lower	Upper
82	100		
128	49.4	37.0	55.6
54	59.1	48.6	73.0

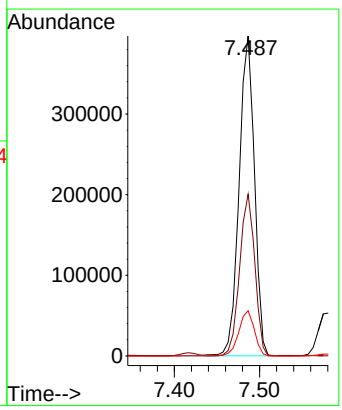


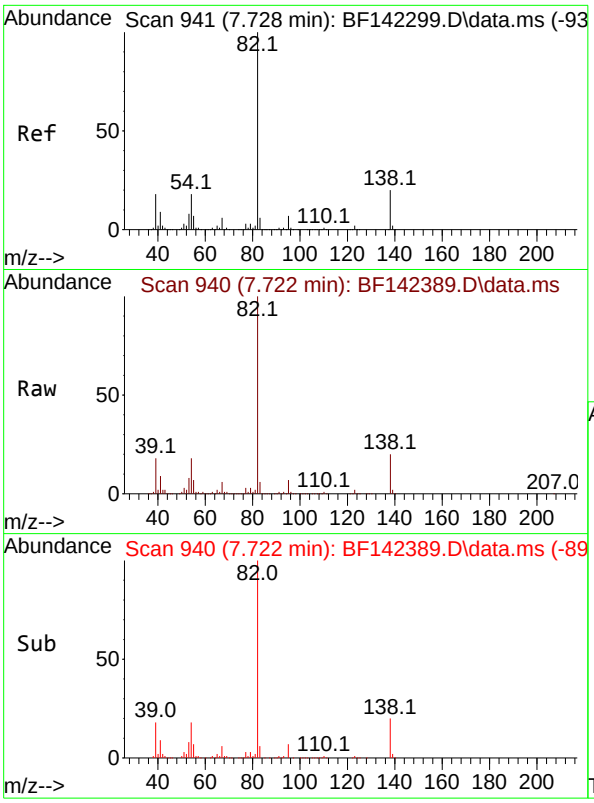


#24
Nitrobenzene
Concen: 48.371 ng
RT: 7.487 min Scan# 900
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion: 77 Resp: 494951

Ion	Ratio	Lower	Upper
77	100		
123	50.6	37.8	56.8
65	14.1	11.4	17.0



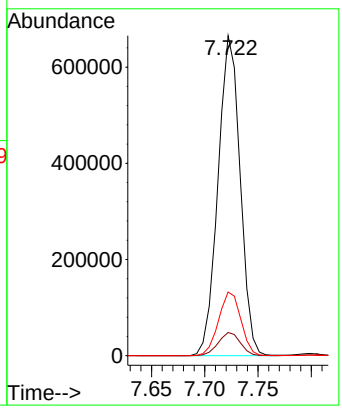


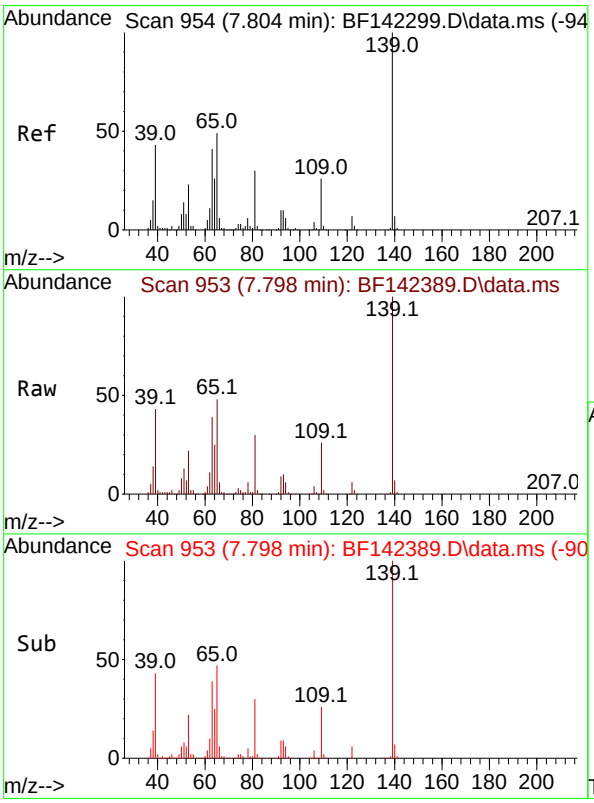
#25
Isophorone
Concen: 46.768 ng
RT: 7.722 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion: 82 Resp: 961365

Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.8	8.8
138	19.9	16.1	24.1

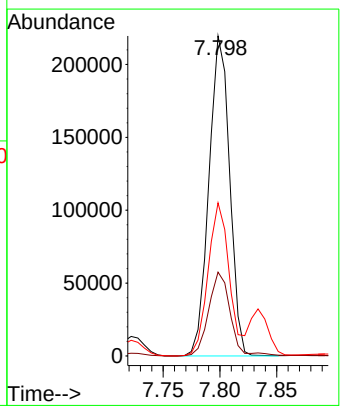


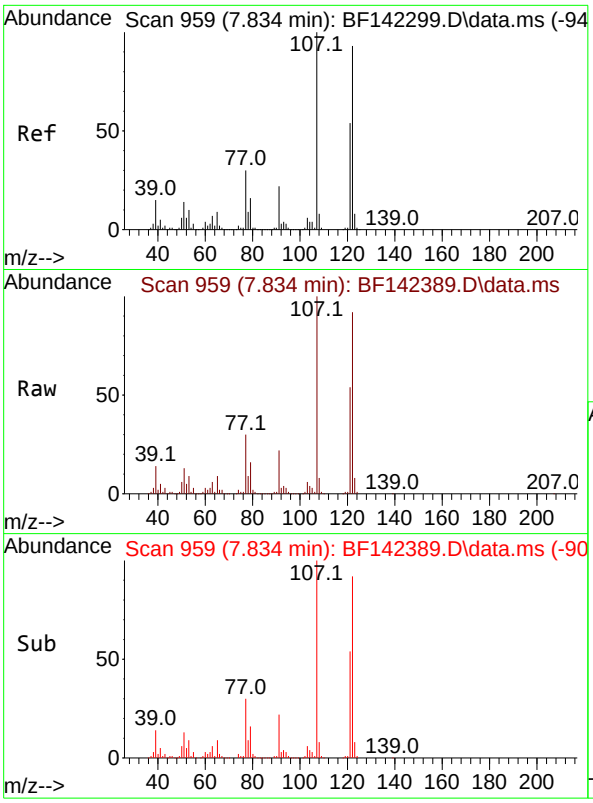


#26
2-Nitrophenol
Concen: 55.742 ng
RT: 7.798 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:139 Resp: 278478

Ion	Ratio	Lower	Upper
139	100		
109	26.2	20.8	31.2
65	47.8	38.9	58.3



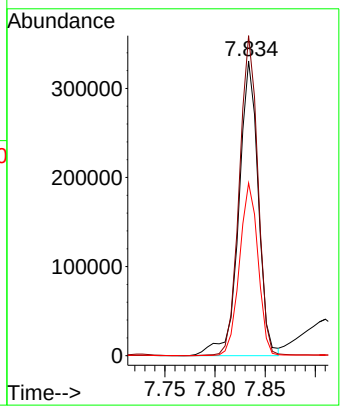


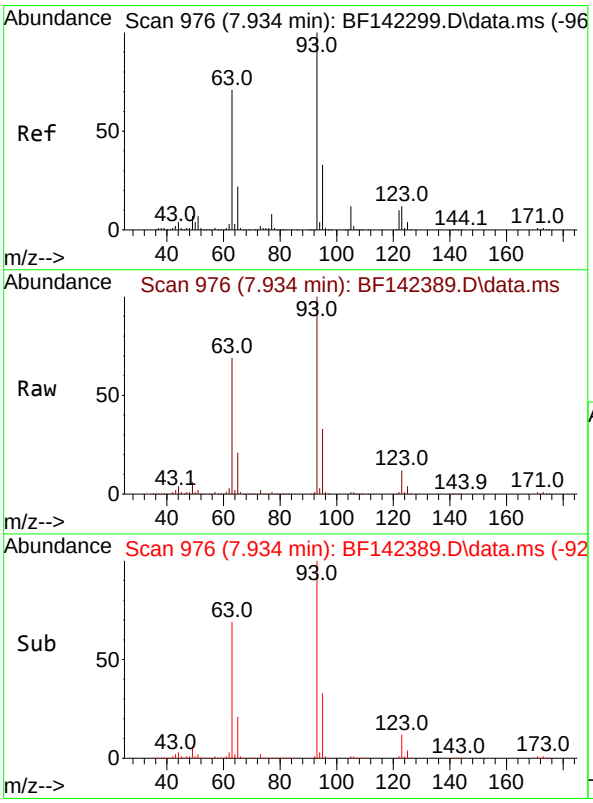
#27
2,4-Dimethylphenol
Concen: 43.261 ng
RT: 7.834 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:122 Resp: 447099

Ion	Ratio	Lower	Upper
122	100		
107	108.6	86.0	129.0
121	58.6	46.2	69.4

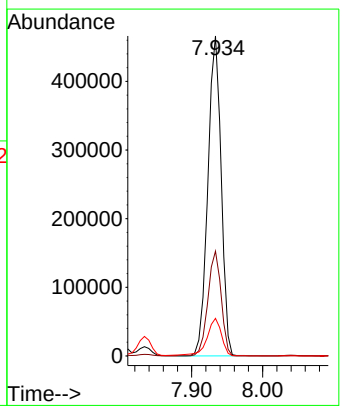


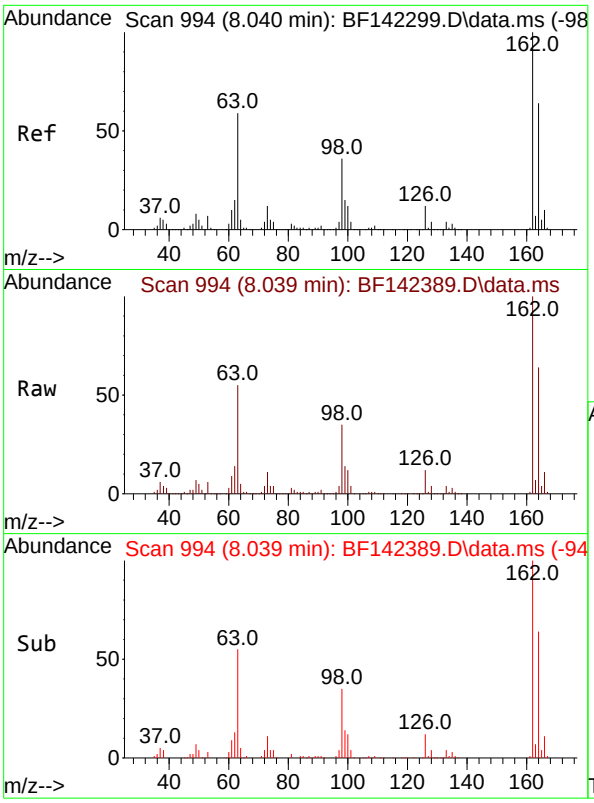


#28
bis(2-Chloroethoxy)methane
Concen: 45.900 ng
RT: 7.934 min Scan# 976
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion: 93 Resp: 606692

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.1	39.1
123	11.8	10.2	15.4



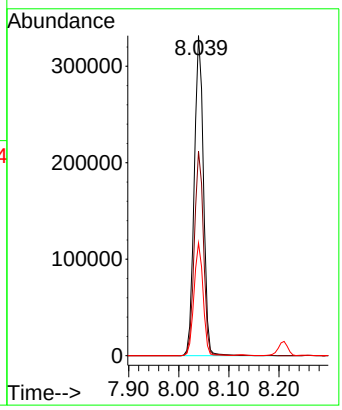


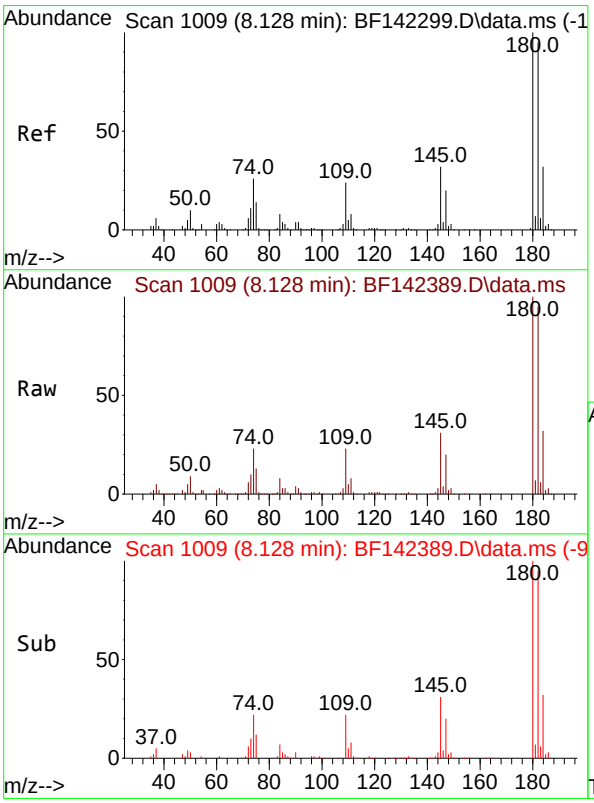
#29
2,4-Dichlorophenol
Concen: 47.875 ng
RT: 8.039 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:162 Resp: 420656

Ion	Ratio	Lower	Upper
162	100		
164	63.8	43.6	83.6
98	35.2	16.5	56.5

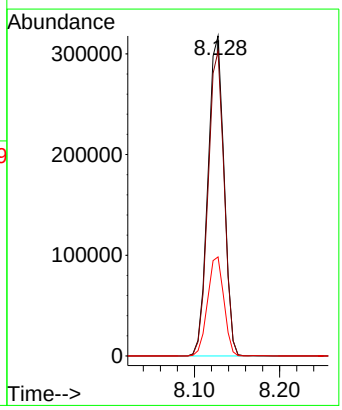


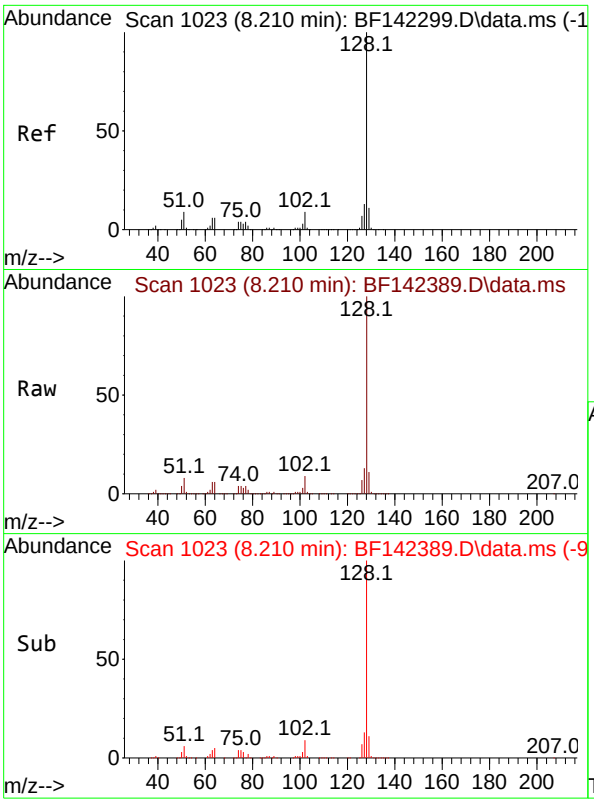


#30
1,2,4-Trichlorobenzene
Concen: 42.273 ng
RT: 8.128 min Scan# 1009
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:180 Resp: 418015

Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.2	114.4
145	30.9	25.8	38.6



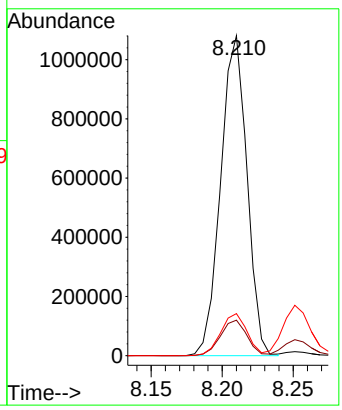


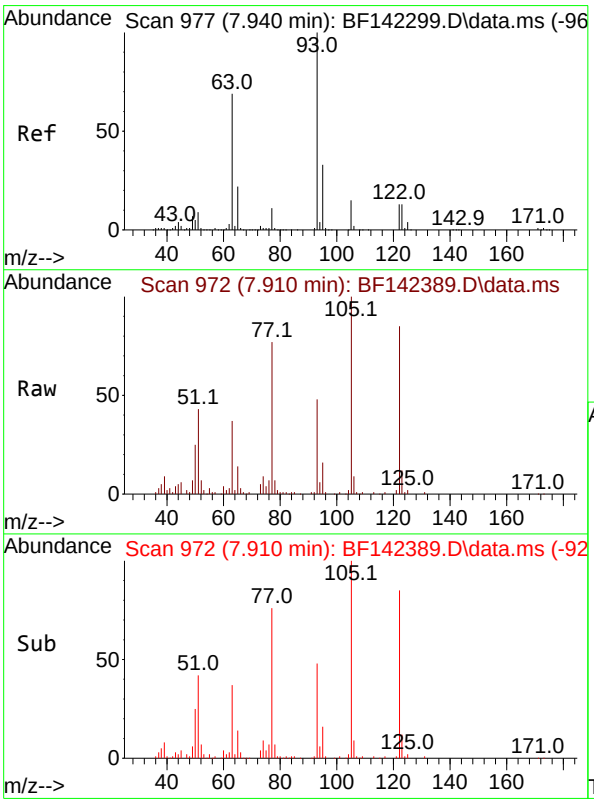
#31
Naphthalene
Concen: 43.310 ng
RT: 8.210 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:128 Resp: 1389634

Ion	Ratio	Lower	Upper
128	100		
129	11.1	9.1	13.7
127	13.2	10.5	15.7

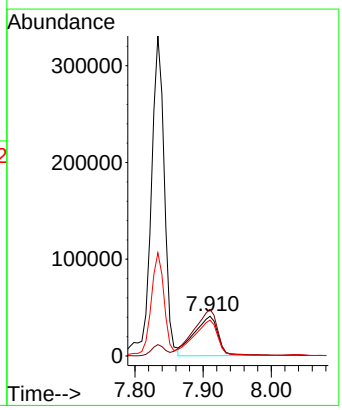


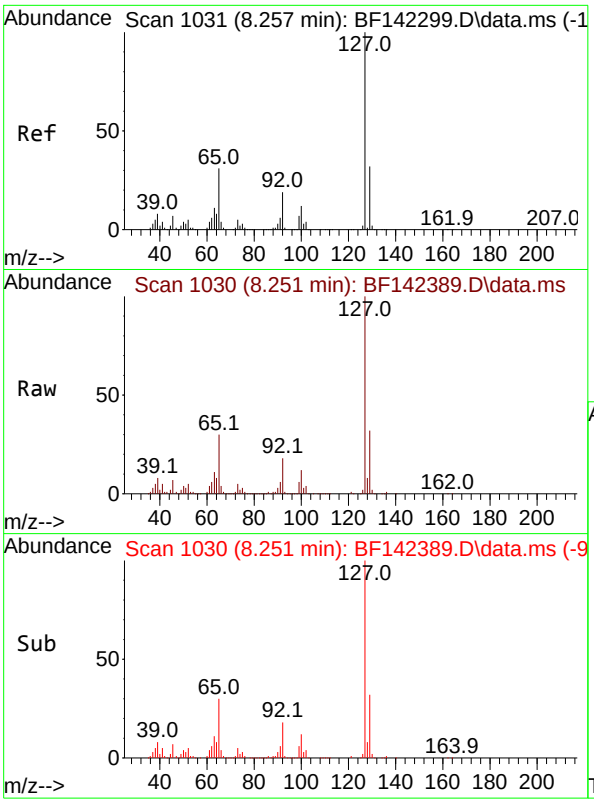


#32
Benzoic acid
Concen: 23.298 ng
RT: 7.910 min Scan# 972
Delta R.T. -0.030 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:122 Resp: 100050

Ion	Ratio	Lower	Upper
122	100		
105	117.4	97.9	137.9
77	90.6	67.7	107.7



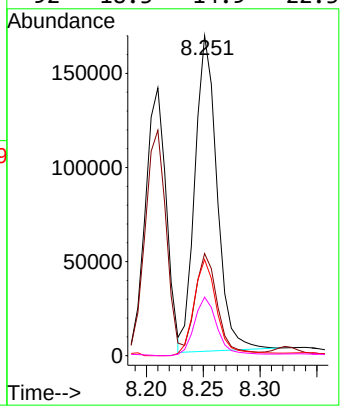


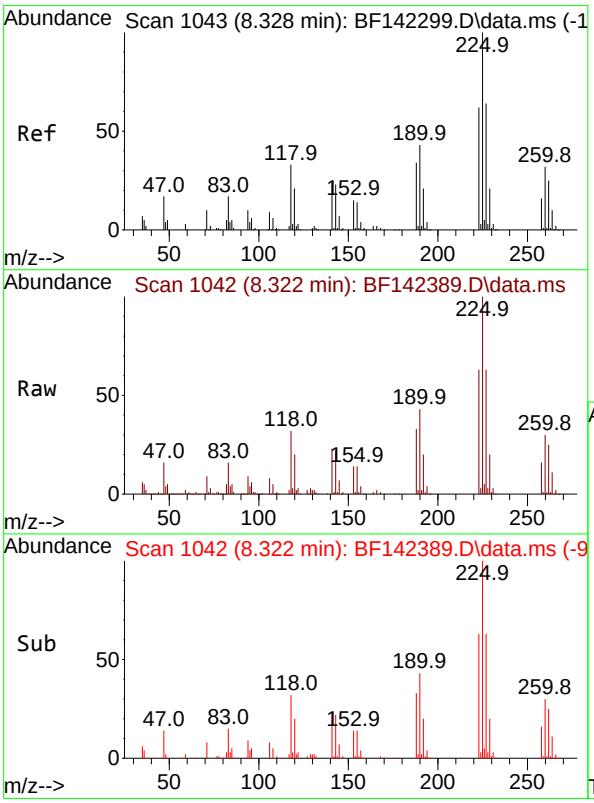
#33
4-Chloroaniline
Concen: 17.251 ng
RT: 8.251 min Scan# 1
Delta R.T. -0.016 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:127 Resp: 225855

Ion	Ratio	Lower	Upper
127	100		
129	31.9	25.7	38.5
65	30.0	24.9	37.3
92	18.3	14.9	22.3

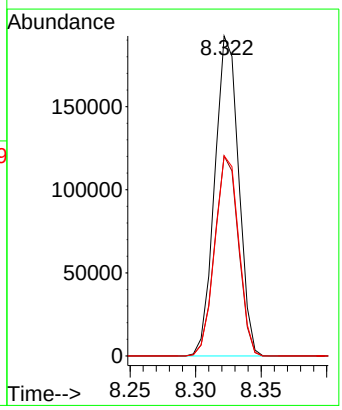


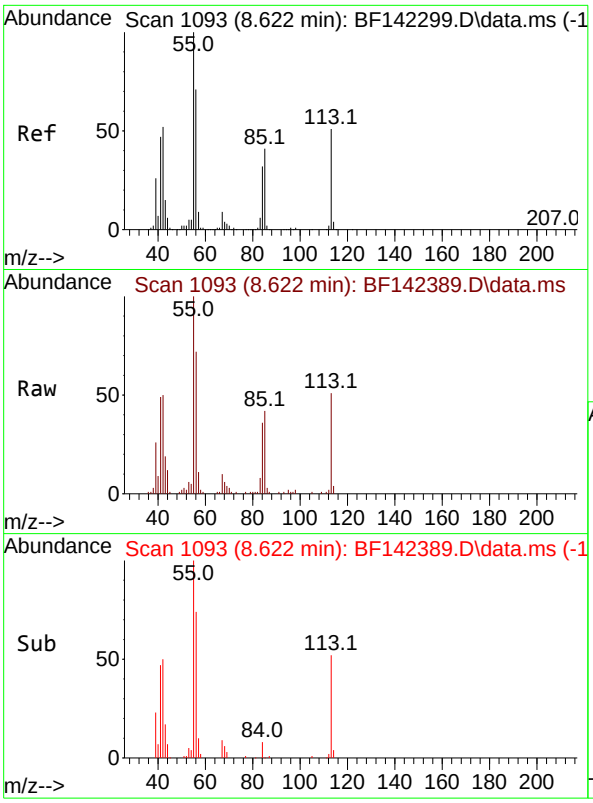


#34
Hexachlorobutadiene
Concen: 41.556 ng
RT: 8.322 min Scan# 1042
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:225 Resp: 243324

Ion	Ratio	Lower	Upper
225	100		
223	62.5	49.8	74.6
227	62.5	50.9	76.3



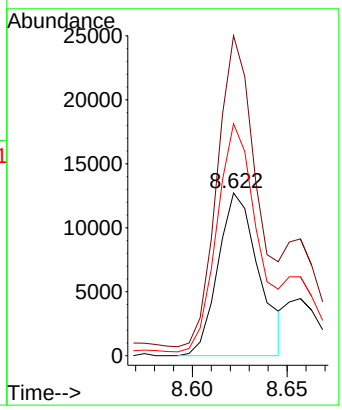


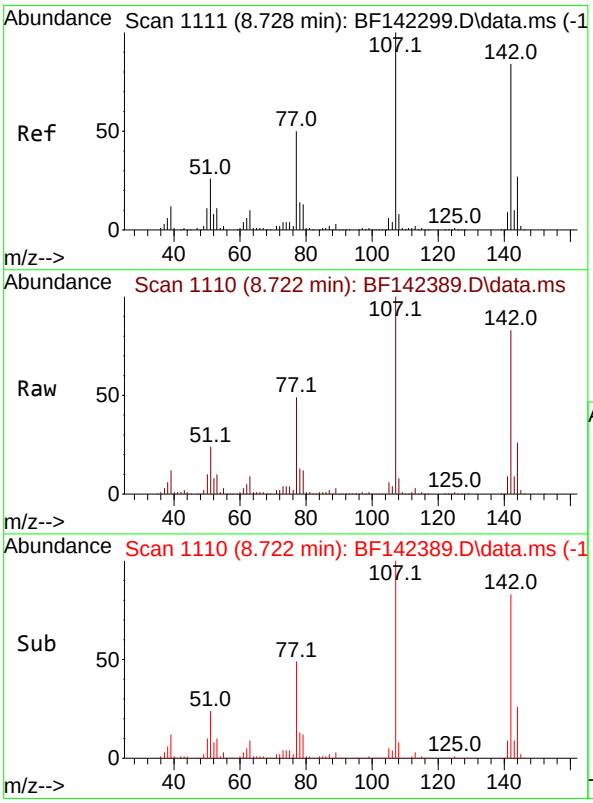
#35
Caprolactam
Concen: 7.408 ng
RT: 8.622 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:113 Resp: 18970

Ion	Ratio	Lower	Upper
113	100		
55	196.7	176.4	216.4
56	142.6	120.3	160.3

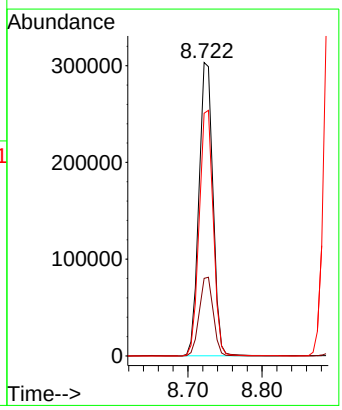


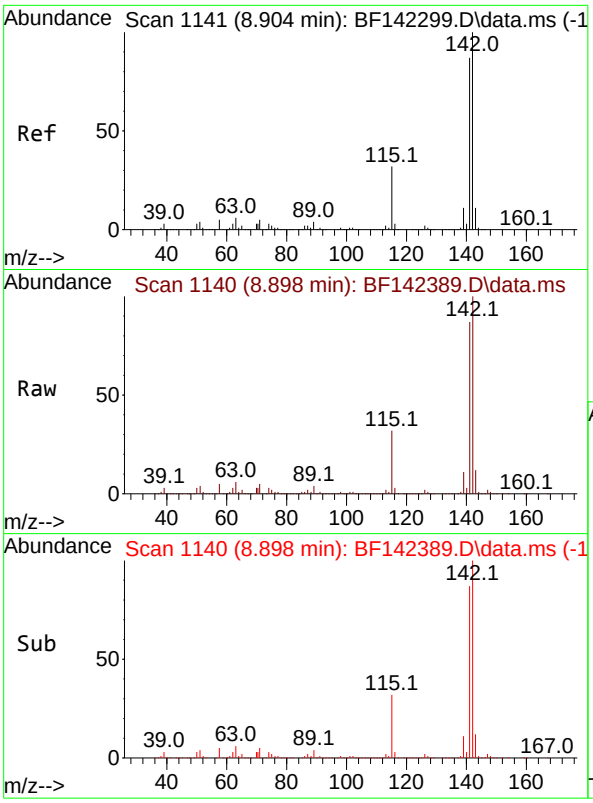


#36
4-Chloro-3-methylphenol
Concen: 43.626 ng
RT: 8.722 min Scan# 1110
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:107 Resp: 398461

Ion	Ratio	Lower	Upper
107	100		
144	26.5	21.3	31.9
142	82.7	66.9	100.3



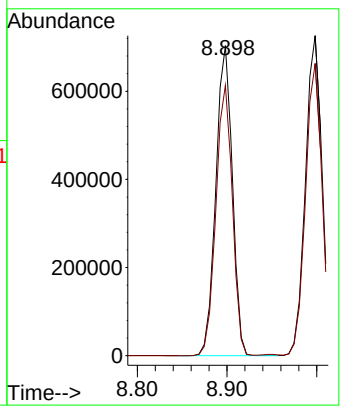


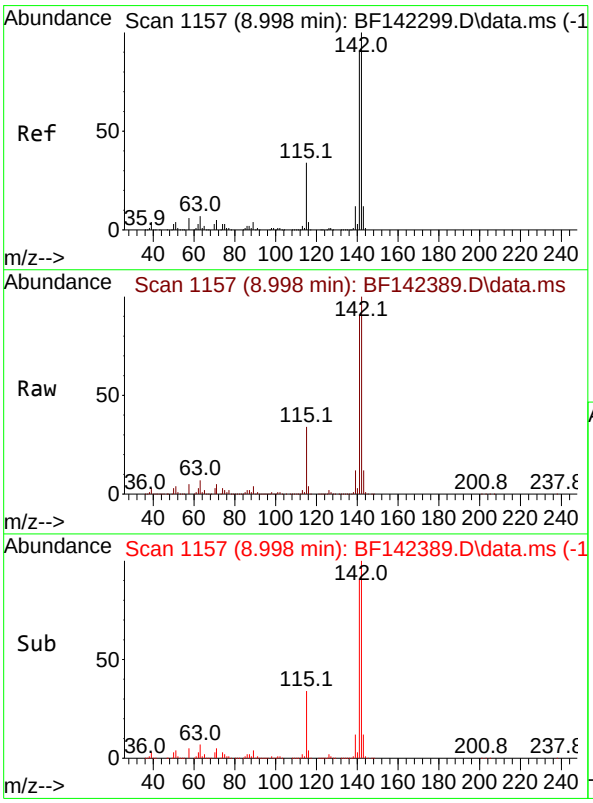
#37
2-Methylnaphthalene
Concen: 45.031 ng
RT: 8.898 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:142 Resp: 897809

Ion	Ratio	Lower	Upper
142	100		
141	87.2	69.4	104.2

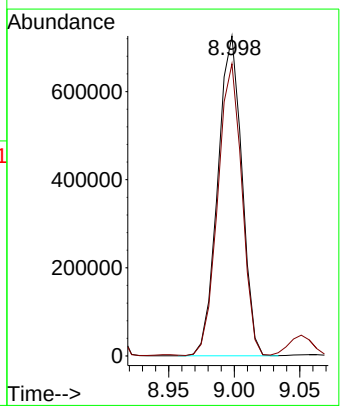


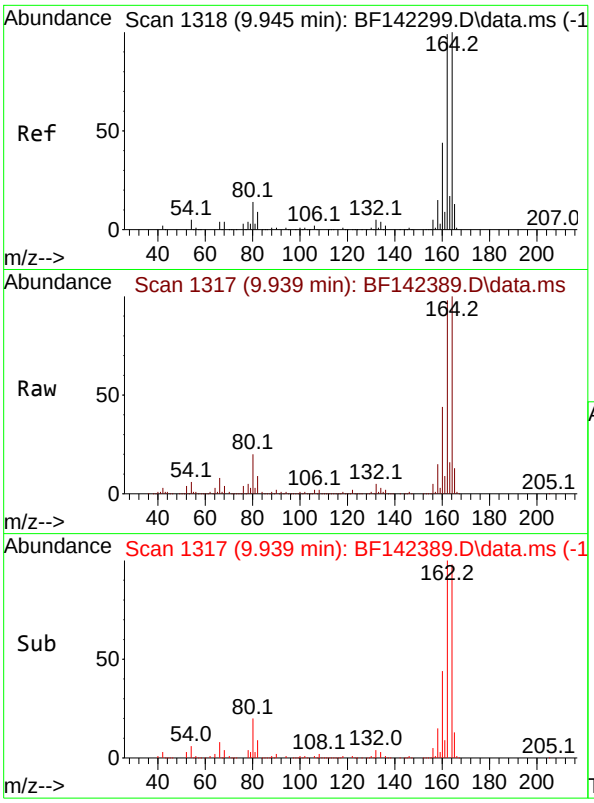


#38
1-Methylnaphthalene
Concen: 44.675 ng
RT: 8.998 min Scan# 1157
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:142 Resp: 928360

Ion	Ratio	Lower	Upper
142	100		
141	91.3	72.5	108.7



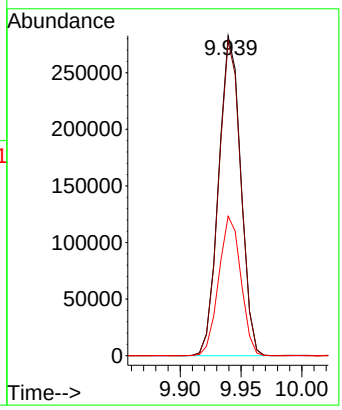


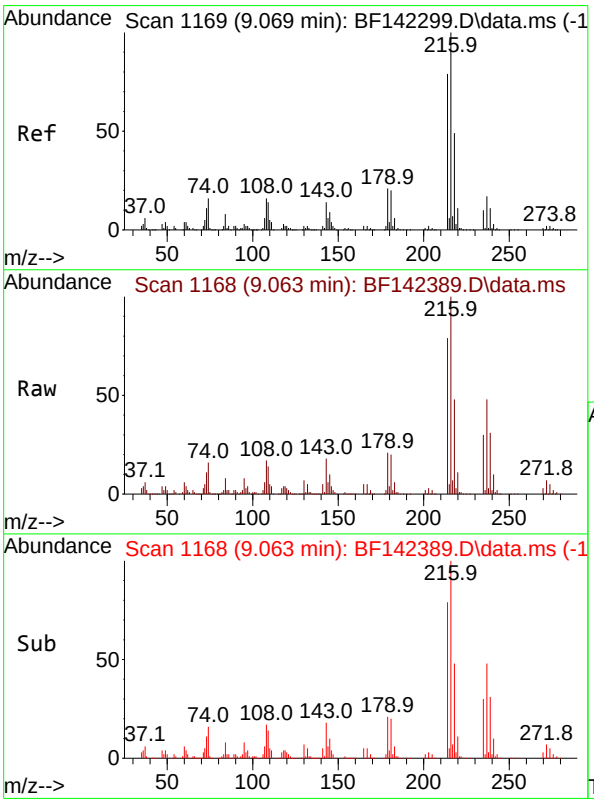
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:164 Resp: 357440

Ion	Ratio	Lower	Upper
164	100		
162	98.3	79.2	118.8
160	43.5	35.3	52.9

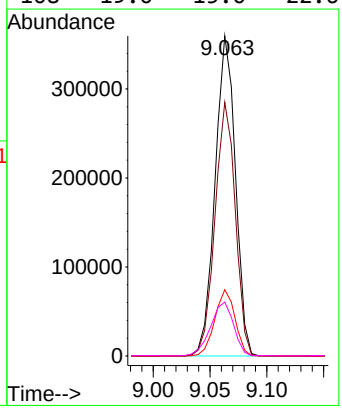


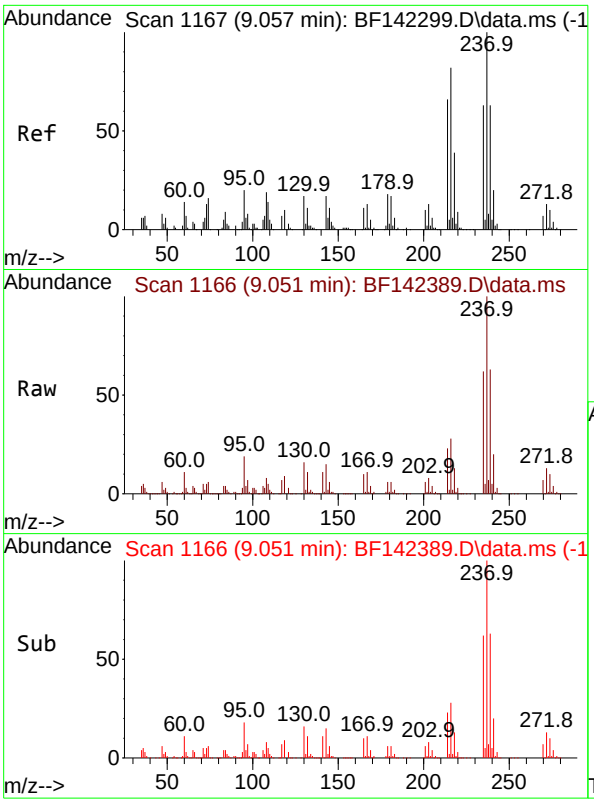


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.886 ng
RT: 9.063 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:216 Resp: 448092

Ion	Ratio	Lower	Upper
216	100		
214	79.1	63.8	95.6
179	20.6	17.0	25.6
108	19.0	15.0	22.6



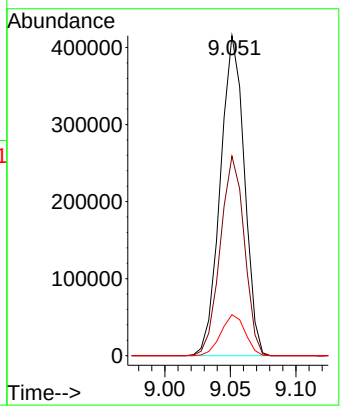


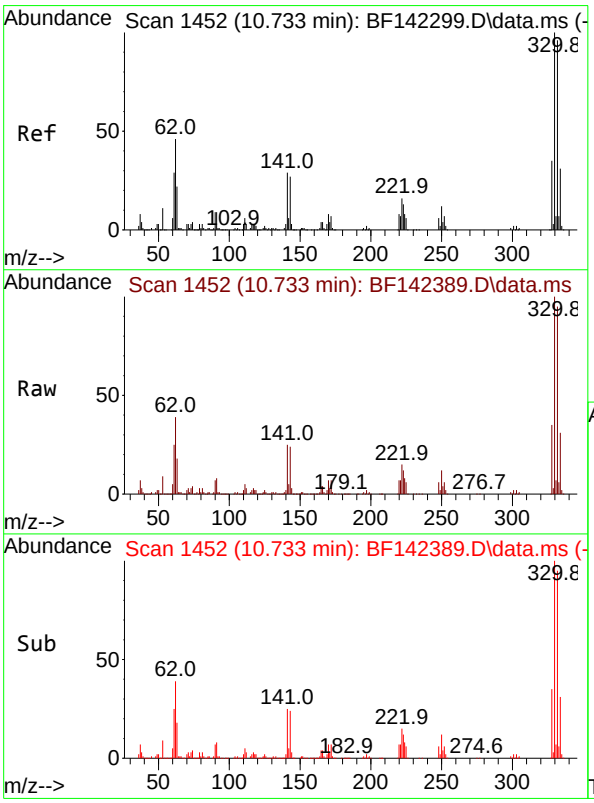
#41
Hexachlorocyclopentadiene
Concen: 85.793 ng
RT: 9.051 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:237 Resp: 529316

Ion	Ratio	Lower	Upper
237	100		
235	62.4	42.8	82.8
272	12.8	0.0	33.0

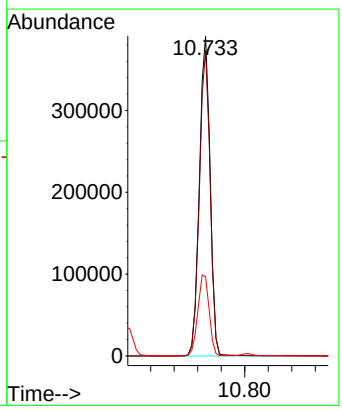


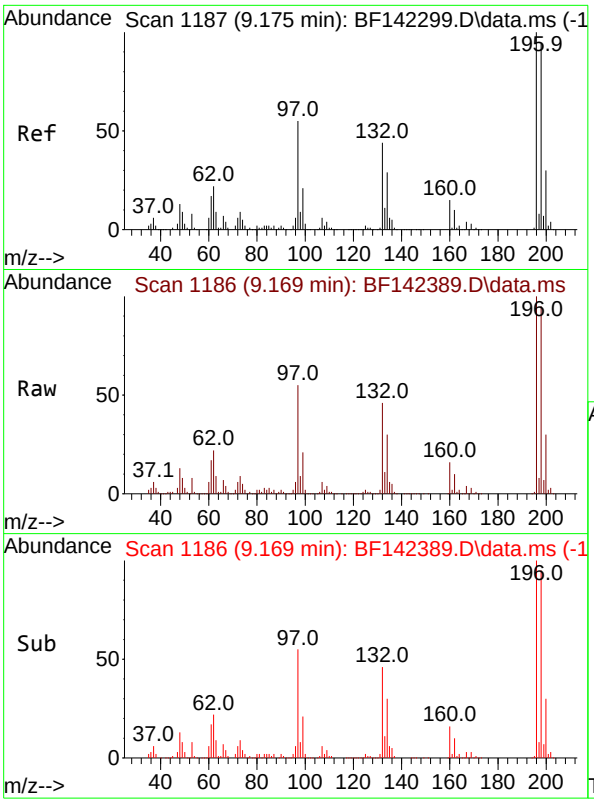


#42
2,4,6-Tribromophenol
Concen: 144.002 ng
RT: 10.733 min Scan# 1452
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:330 Resp: 496952

Ion	Ratio	Lower	Upper
330	100		
332	95.5	76.8	115.2
141	26.5	24.9	37.3



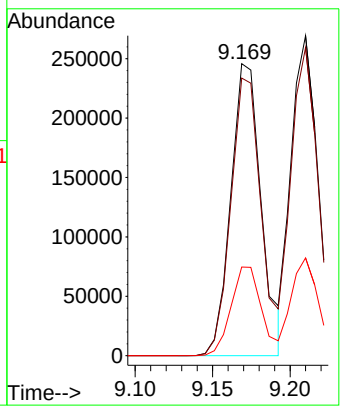


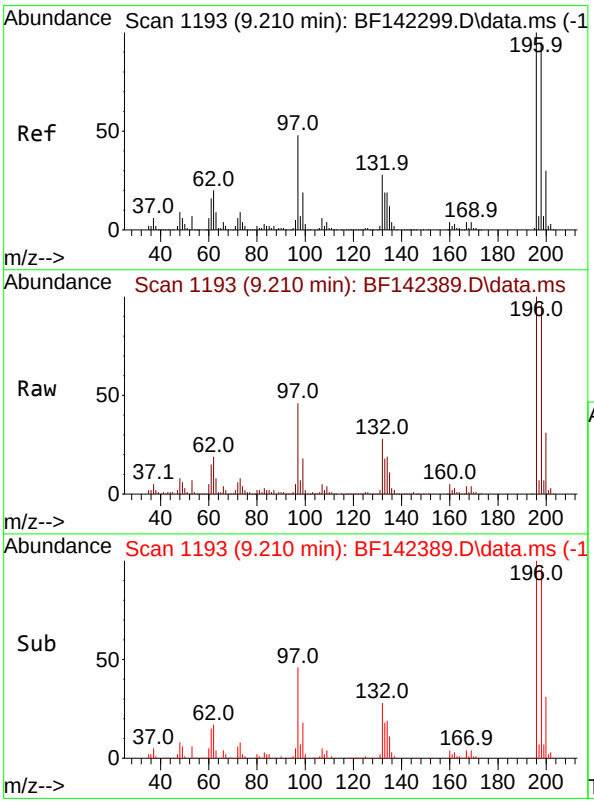
#43
2,4,6-Trichlorophenol
Concen: 53.182 ng
RT: 9.169 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:196 Resp: 334881

Ion	Ratio	Lower	Upper
196	100		
198	95.1	75.4	113.0
200	30.3	24.3	36.5

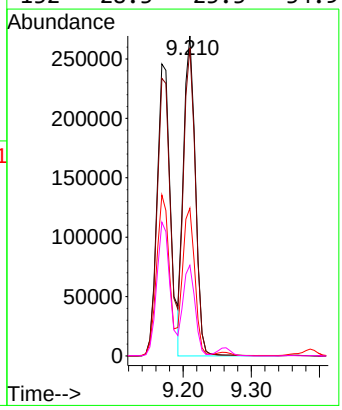


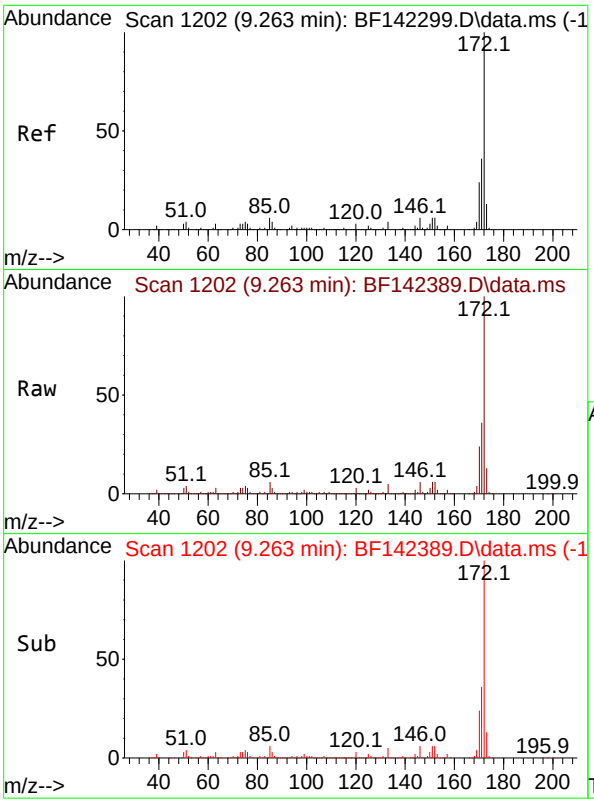


#44
2,4,5-Trichlorophenol
Concen: 48.481 ng
RT: 9.210 min Scan# 1193
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:196 Resp: 324822

Ion	Ratio	Lower	Upper
196	100		
198	96.3	76.1	114.1
97	46.2	39.0	58.4
132	28.3	23.3	34.9



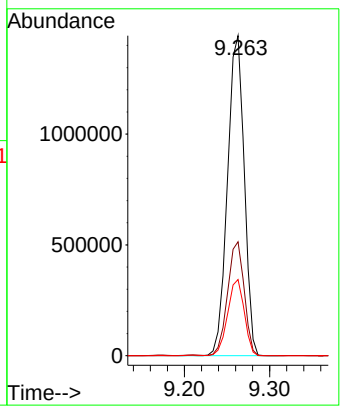


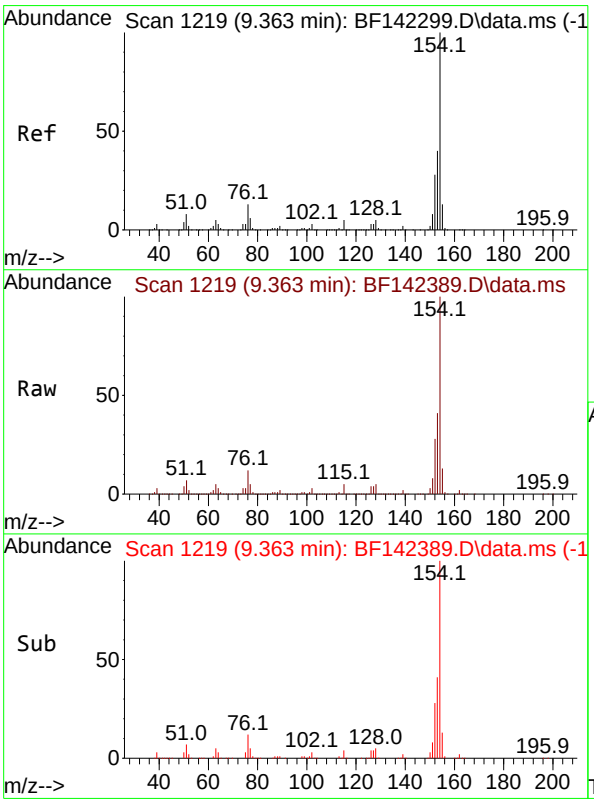
#45
2-Fluorobiphenyl
Concen: 78.670 ng
RT: 9.263 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:172 Resp: 1972111

Ion	Ratio	Lower	Upper
172	100		
171	35.6	28.6	42.8
170	23.8	19.0	28.4

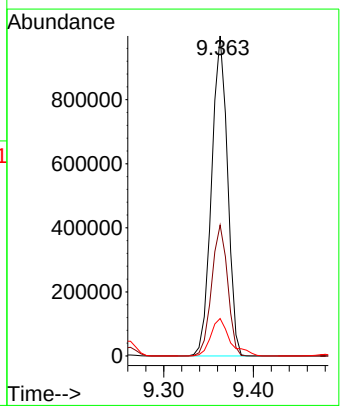


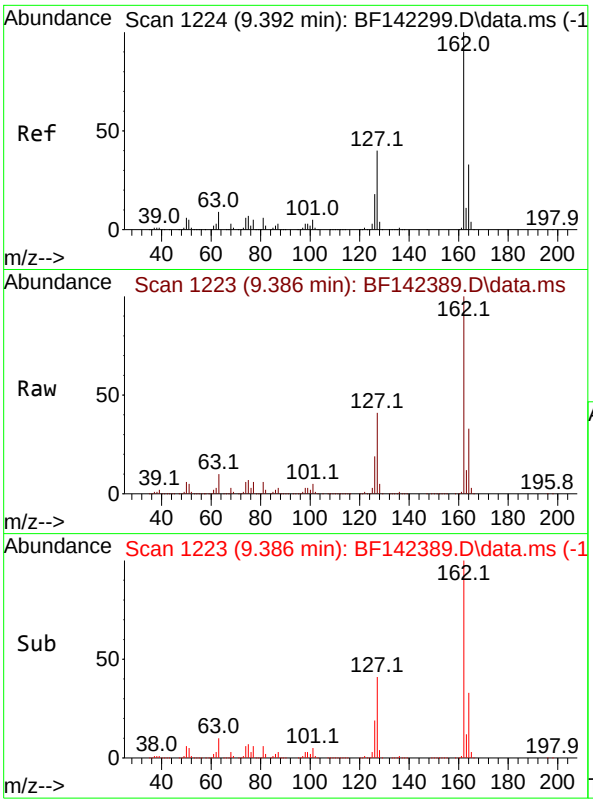


#46
1,1'-Biphenyl
Concen: 45.041 ng
RT: 9.363 min Scan# 1219
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:154 Resp: 1234418

Ion	Ratio	Lower	Upper
154	100		
153	40.9	20.5	60.5
76	11.7	0.0	32.8



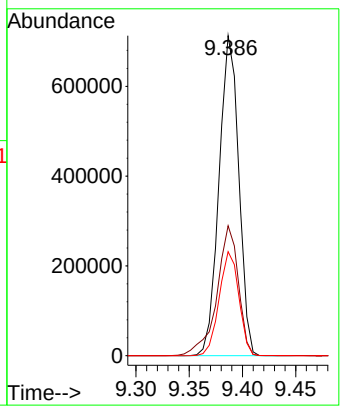


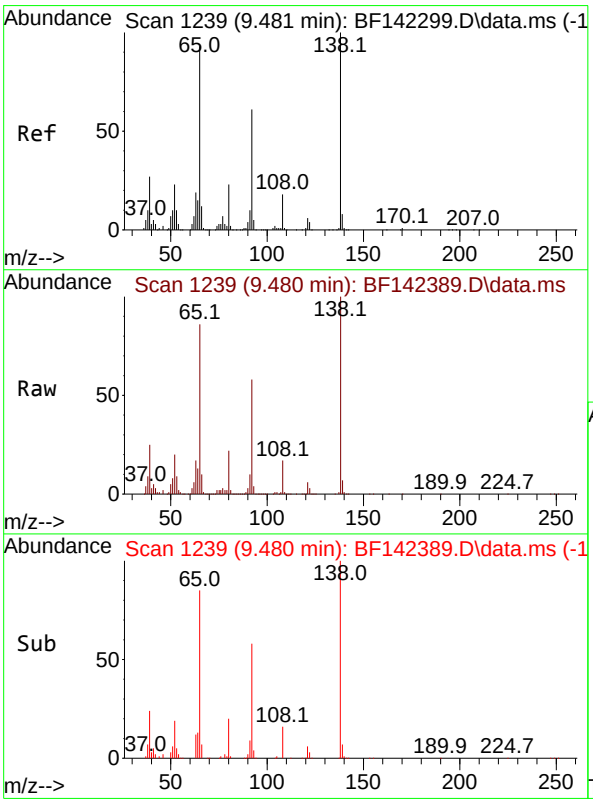
#47
2-Chloronaphthalene
Concen: 45.002 ng
RT: 9.386 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:162 Resp: 917216

Ion	Ratio	Lower	Upper
162	100		
127	40.6	32.3	48.5
164	32.5	26.6	40.0

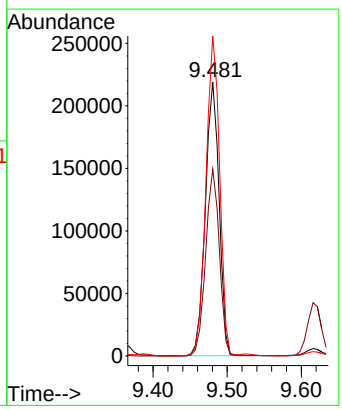


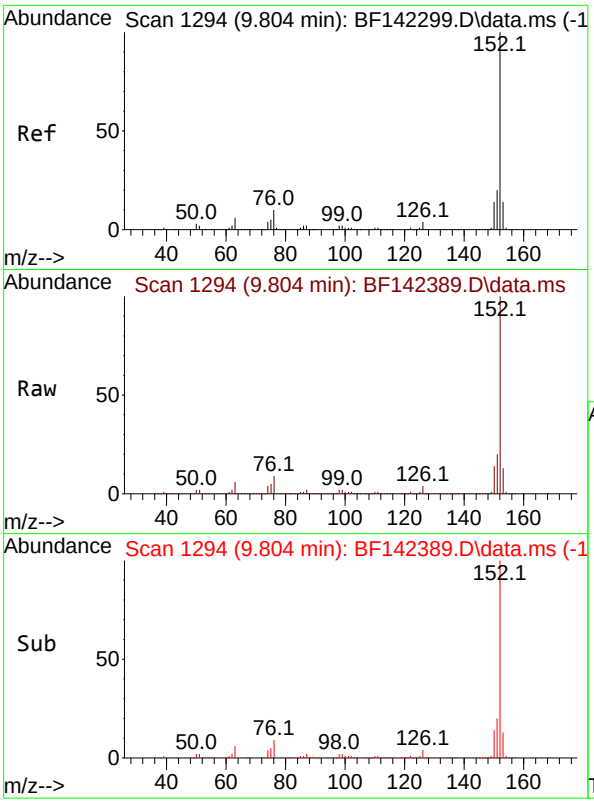


#48
2-Nitroaniline
Concen: 54.101 ng
RT: 9.480 min Scan# 1239
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion: 65 Resp: 282636

Ion	Ratio	Lower	Upper
65	100		
92	68.3	52.3	78.5
138	116.9	85.6	128.4



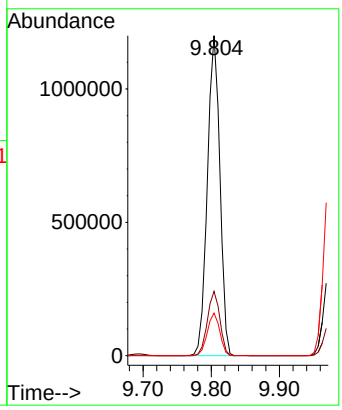


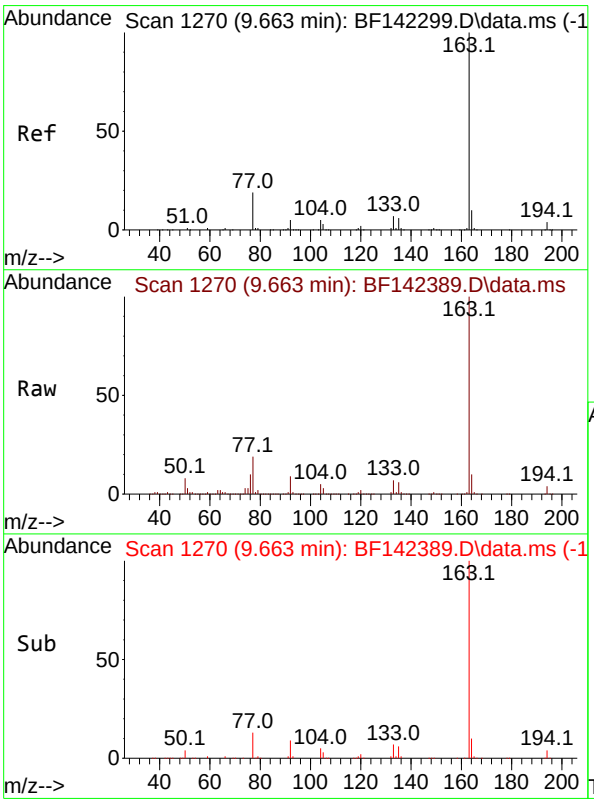
#49
Acenaphthylene
Concen: 44.966 ng
RT: 9.804 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:152 Resp: 1533127

Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.0	24.0
153	13.3	10.8	16.2

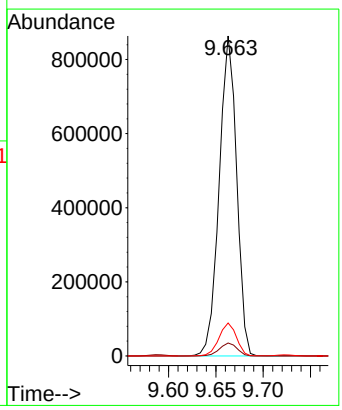


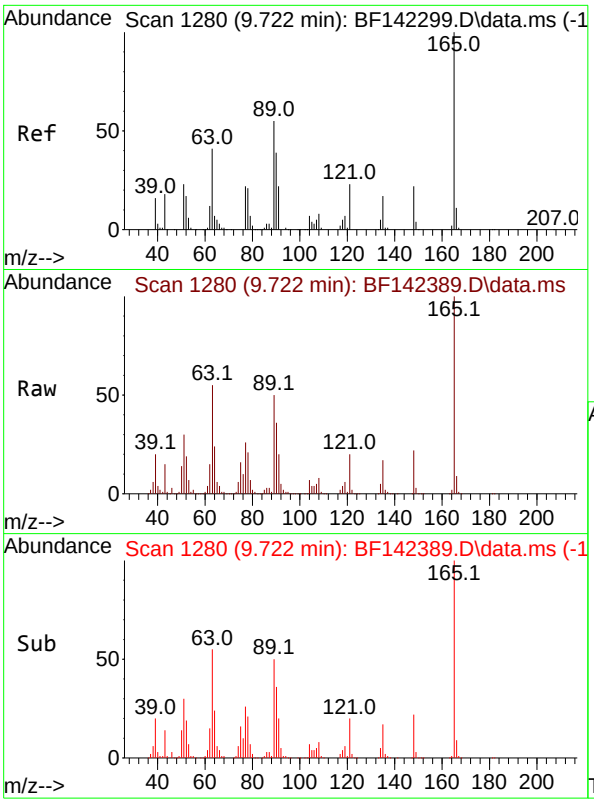


#50
Dimethylphthalate
Concen: 48.324 ng
RT: 9.663 min Scan# 1270
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:163 Resp: 1109141

Ion	Ratio	Lower	Upper
163	100		
194	4.1	3.2	4.8
164	10.3	8.3	12.5



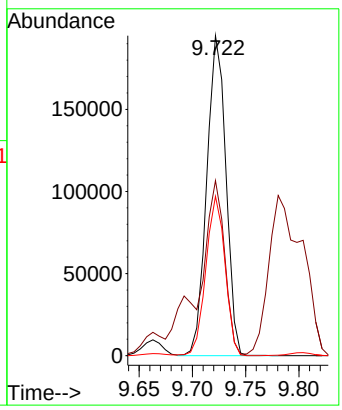


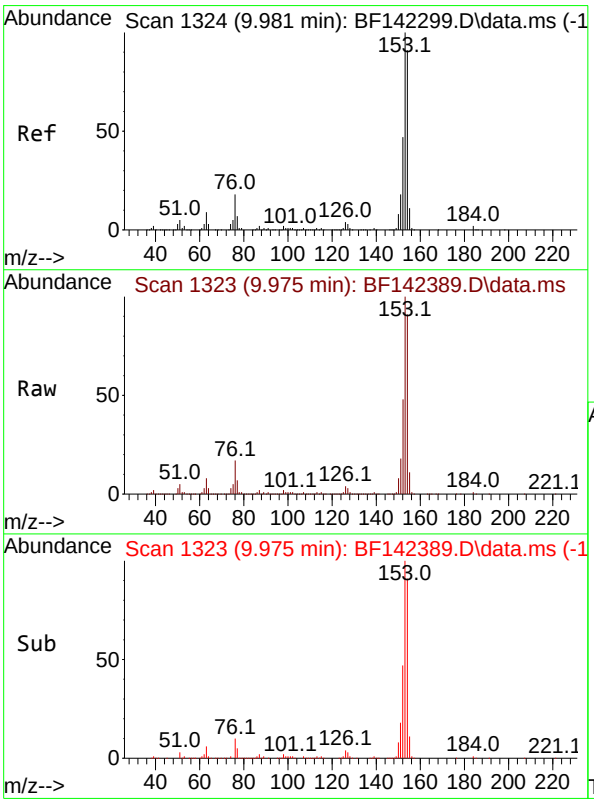
#51
2,6-Dinitrotoluene
Concen: 56.826 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:165 Resp: 244138

Ion	Ratio	Lower	Upper
165	100		
63	54.7	49.5	74.3
89	49.8	44.6	66.8

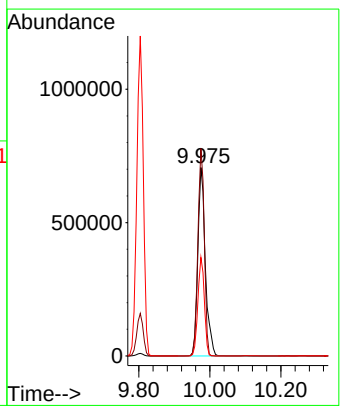


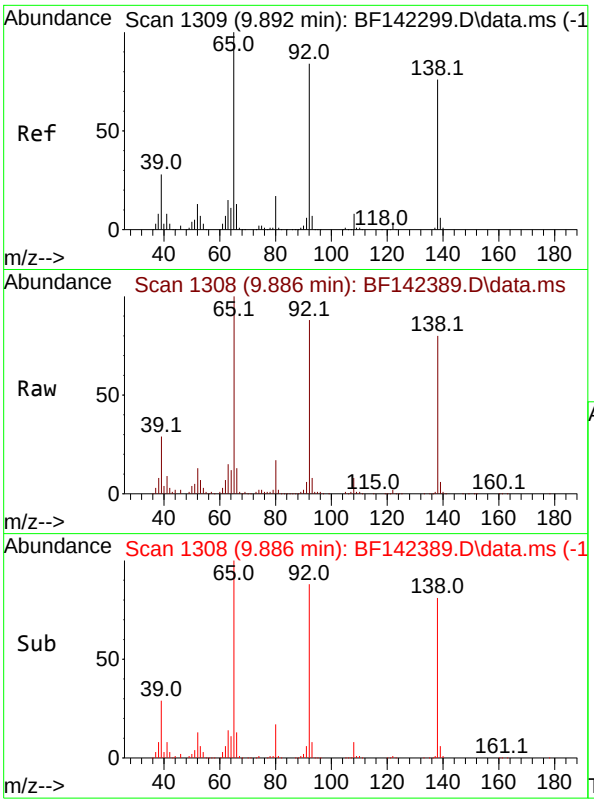


#52
Acenaphthene
Concen: 50.877 ng
RT: 9.975 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:154 Resp: 1043039

Ion	Ratio	Lower	Upper
154	100		
153	110.1	88.0	132.0
152	52.3	41.6	62.4



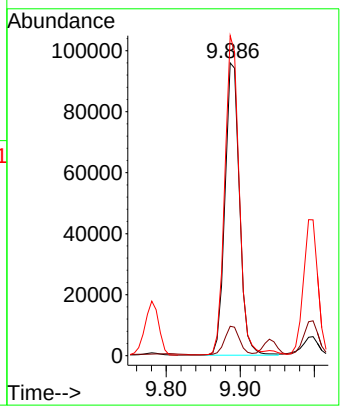


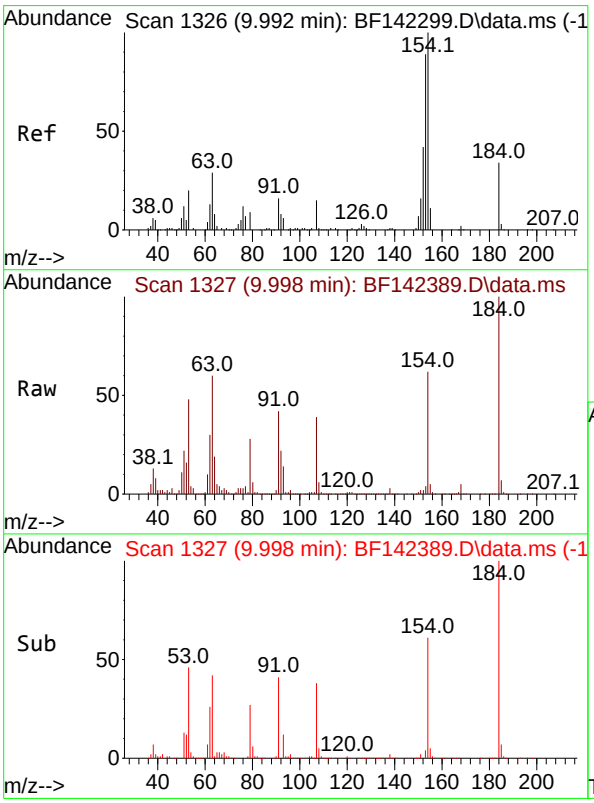
#53
3-Nitroaniline
Concen: 25.883 ng
RT: 9.886 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:138 Resp: 130415

Ion	Ratio	Lower	Upper
138	100		
108	10.0	8.7	13.1
92	109.3	89.5	134.3

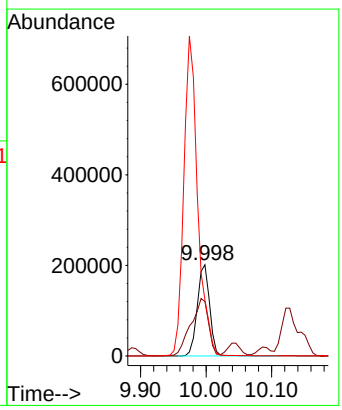


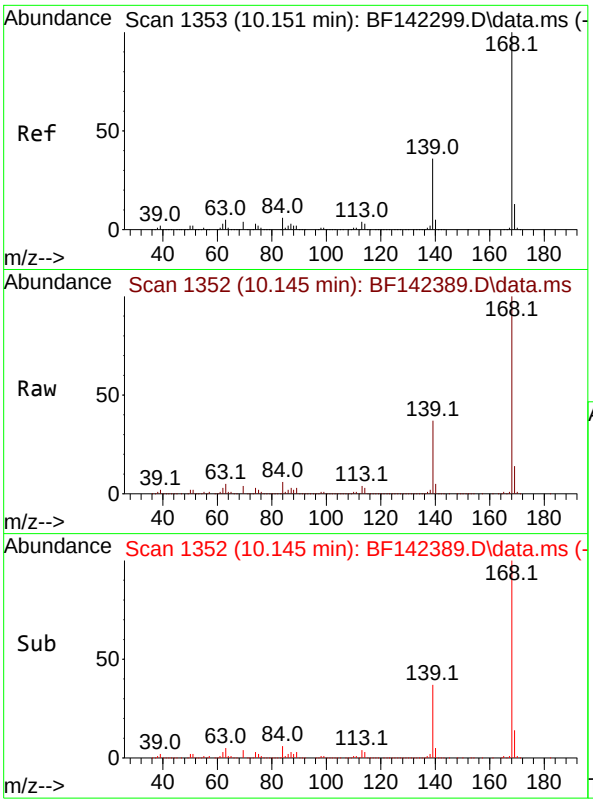


#54
2,4-Dinitrophenol
Concen: 114.370 ng
RT: 9.998 min Scan# 1327
Delta R.T. 0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:184 Resp: 265247

Ion	Ratio	Lower	Upper
184	100		
63	59.7	70.6	105.8#
154	61.7	257.2	385.8#



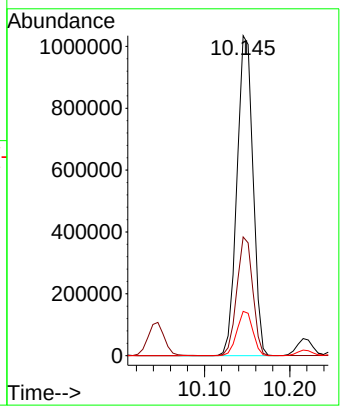


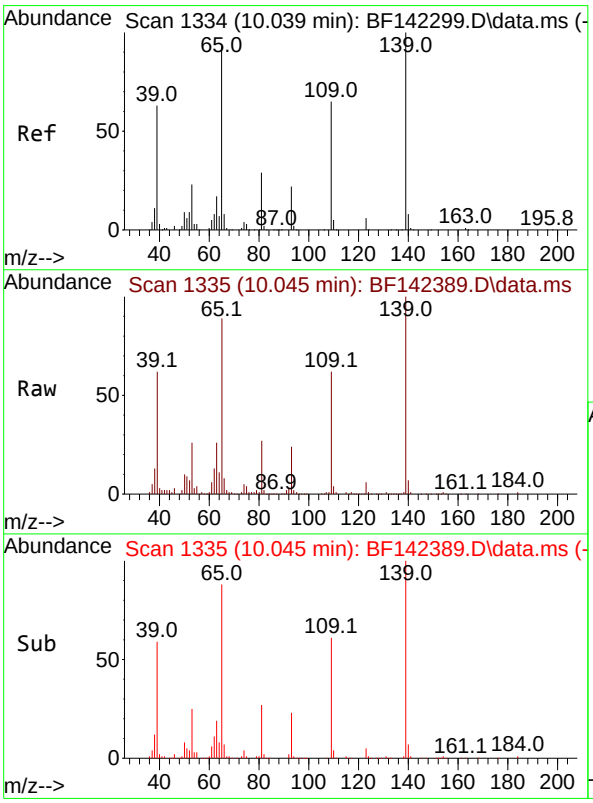
#55
Dibenzofuran
Concen: 44.704 ng
RT: 10.145 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:168 Resp: 1352552

Ion	Ratio	Lower	Upper
168	100		
139	37.1	29.0	43.4
169	13.8	10.7	16.1

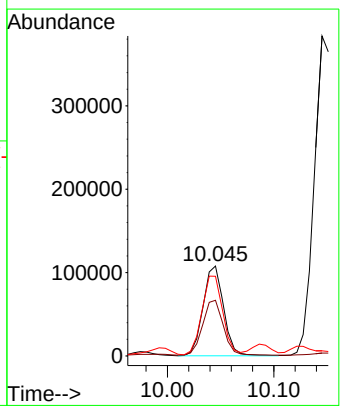


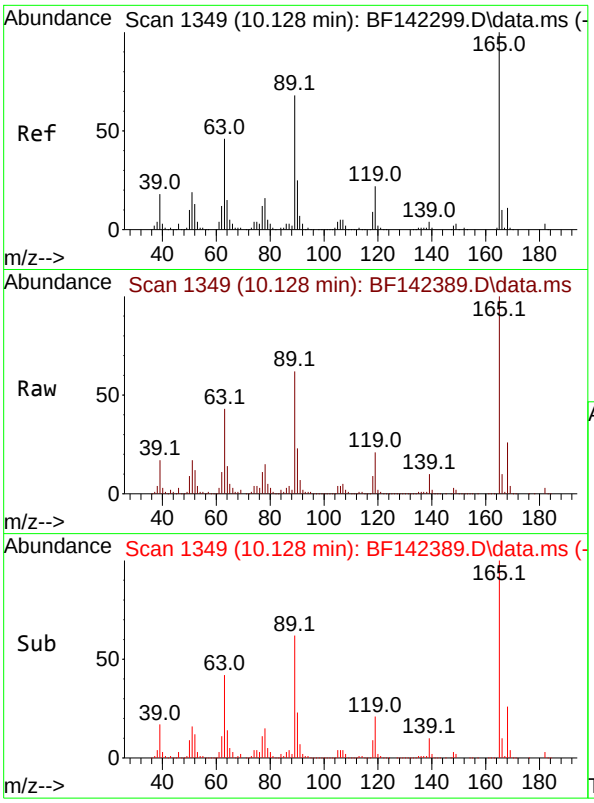


#56
4-Nitrophenol
Concen: 37.888 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:139 Resp: 143679

Ion	Ratio	Lower	Upper
139	100		
109	62.0	45.3	85.3
65	88.7	73.9	113.9



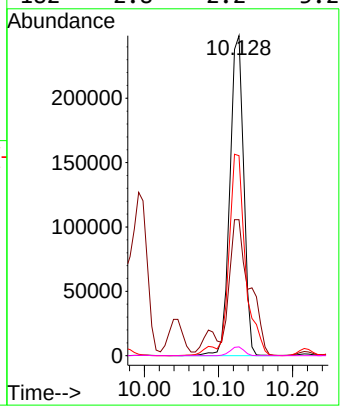


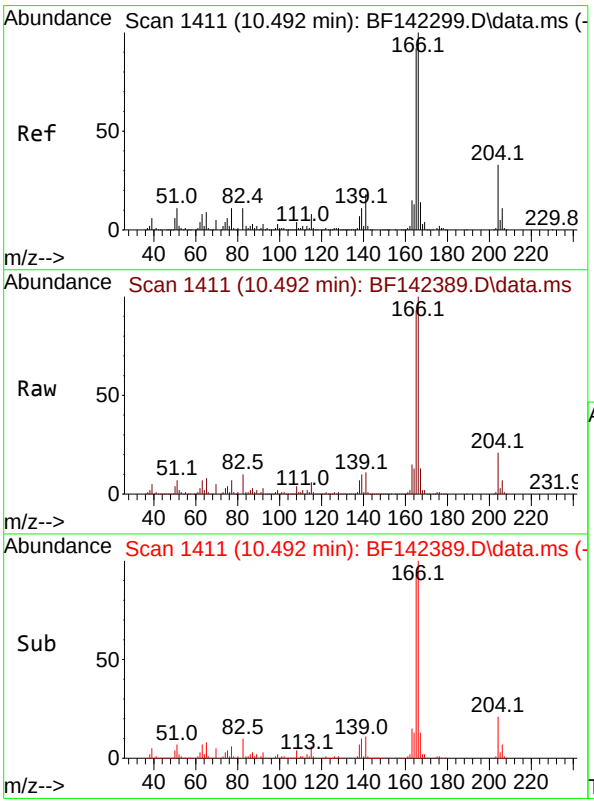
#57
2,4-Dinitrotoluene
Concen: 58.409 ng
RT: 10.128 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:165 Resp: 321887

Ion	Ratio	Lower	Upper
165	100		
63	42.5	37.1	55.7
89	62.5	54.4	81.6
182	2.8	2.2	3.2

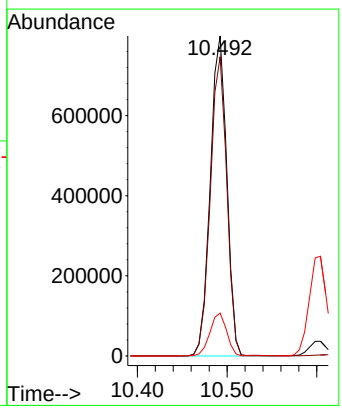


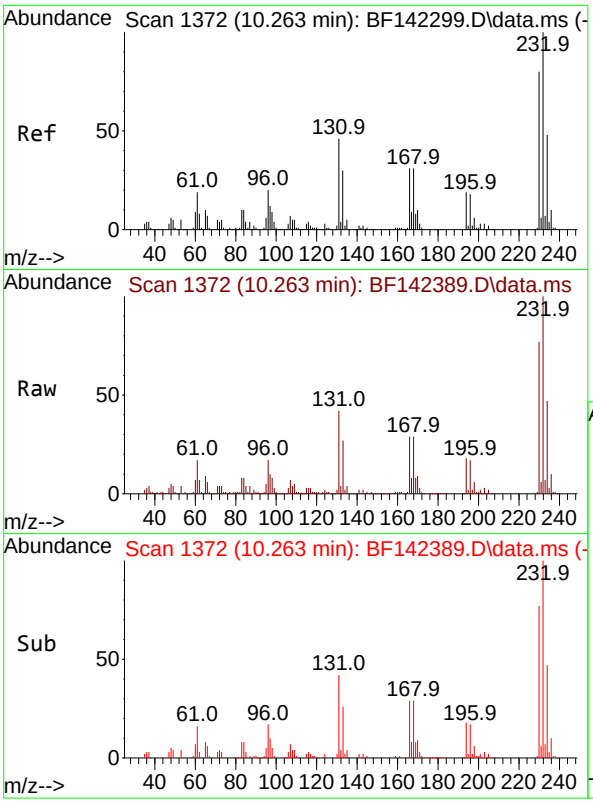


#58
Fluorene
Concen: 44.166 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:166 Resp: 1019788

Ion	Ratio	Lower	Upper
166	100		
165	93.4	74.0	111.0
167	13.4	10.9	16.3



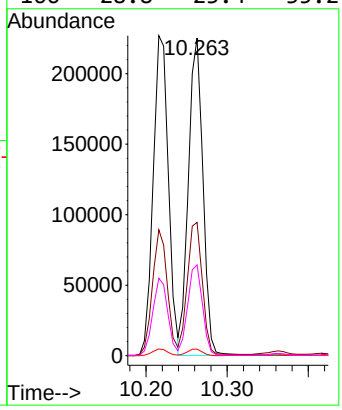


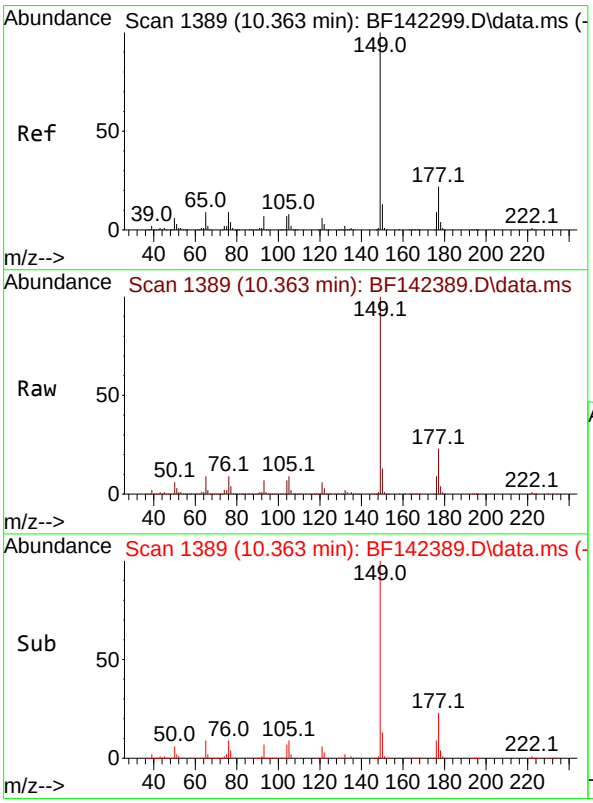
#59
2,3,4,6-Tetrachlorophenol
Concen: 50.862 ng
RT: 10.263 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:232 Resp: 281314

Ion	Ratio	Lower	Upper
232	100		
131	42.6	36.0	54.0
130	2.2	1.8	2.6
166	28.8	23.4	35.2

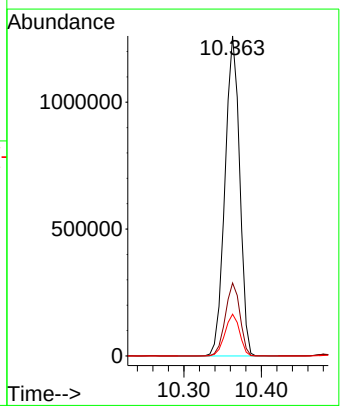


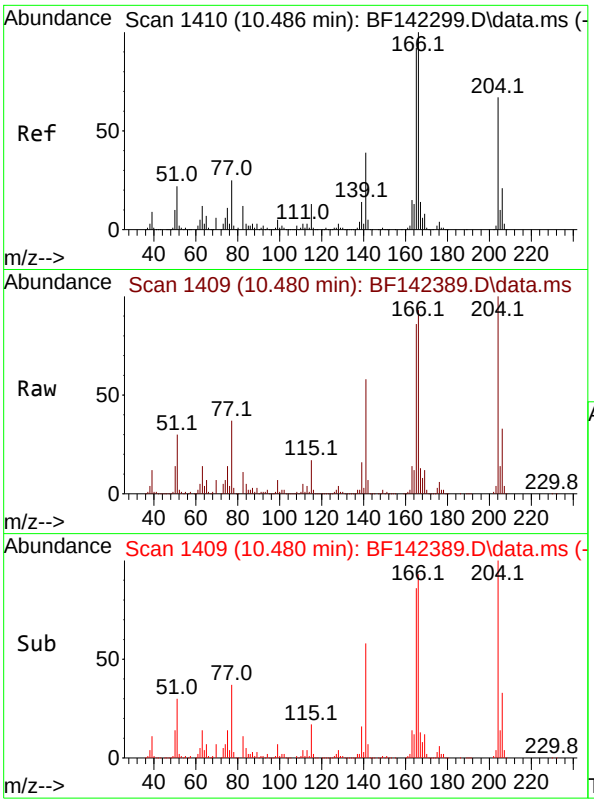


#60
Diethylphthalate
Concen: 72.520 ng
RT: 10.363 min Scan# 1389
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:149 Resp: 1662268

Ion	Ratio	Lower	Upper
149	100		
177	22.8	17.6	26.4
150	13.1	10.1	15.1



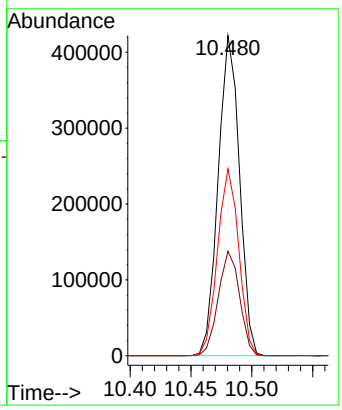


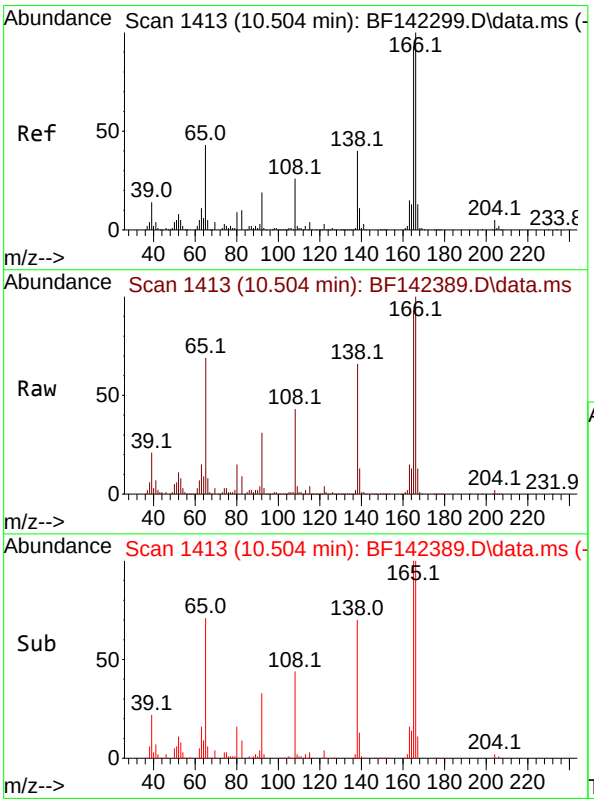
#61
4-Chlorophenyl-phenylether
Concen: 46.190 ng
RT: 10.480 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:204 Resp: 514546

Ion	Ratio	Lower	Upper
204	100		
206	32.6	25.5	38.3
141	58.4	46.4	69.6

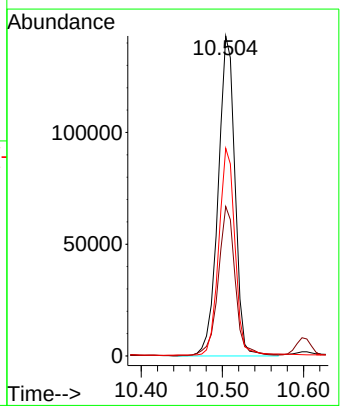


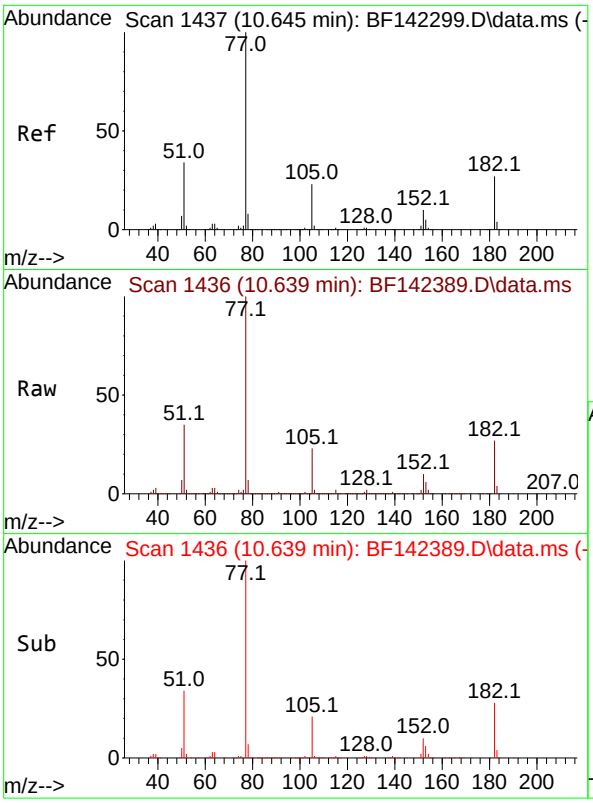


#62
4-Nitroaniline
Concen: 51.876 ng
RT: 10.504 min Scan# 1413
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:138 Resp: 207168

Ion	Ratio	Lower	Upper
138	100		
92	46.7	27.3	67.3
108	64.9	45.1	85.1



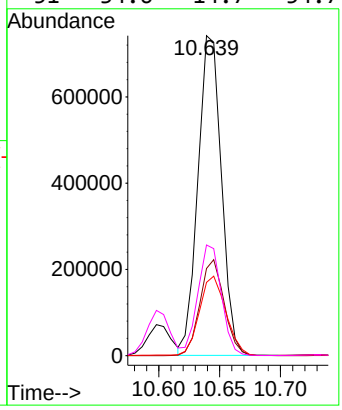


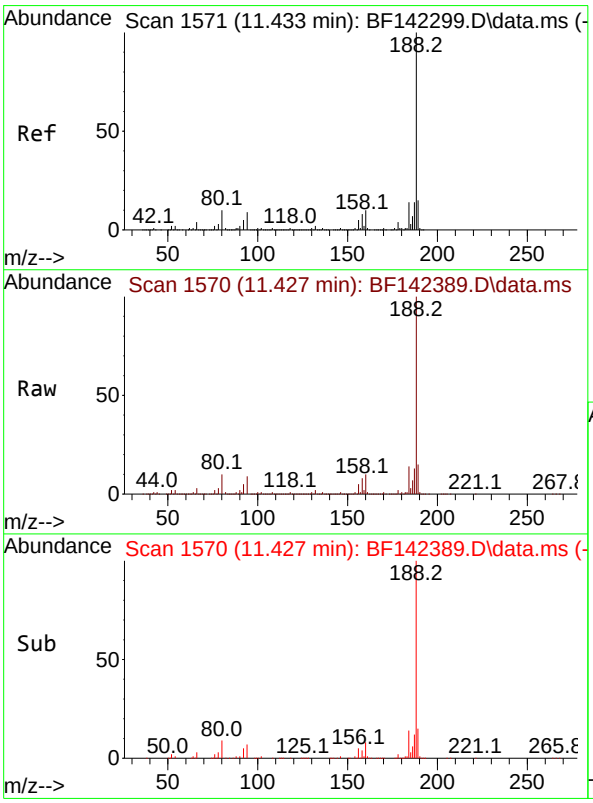
#63
Azobenzene
Concen: 45.468 ng
RT: 10.639 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion: 77 Resp: 995905

Ion	Ratio	Lower	Upper
77	100		
182	27.3	6.9	46.9
105	22.9	2.7	42.7
51	34.6	14.7	54.7

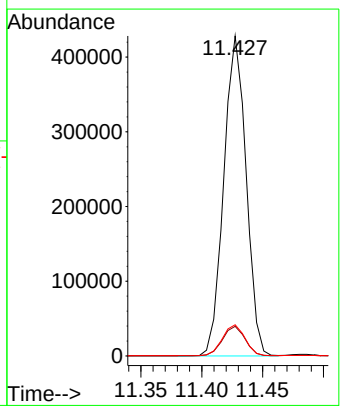


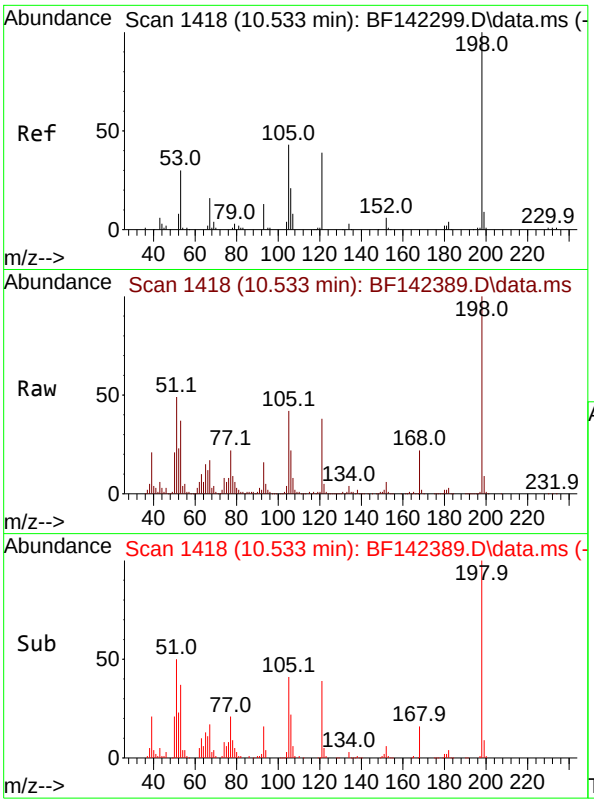


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:188 Resp: 546787

Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.5	11.3
80	9.8	7.9	11.9



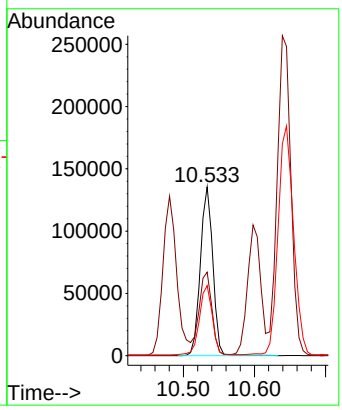


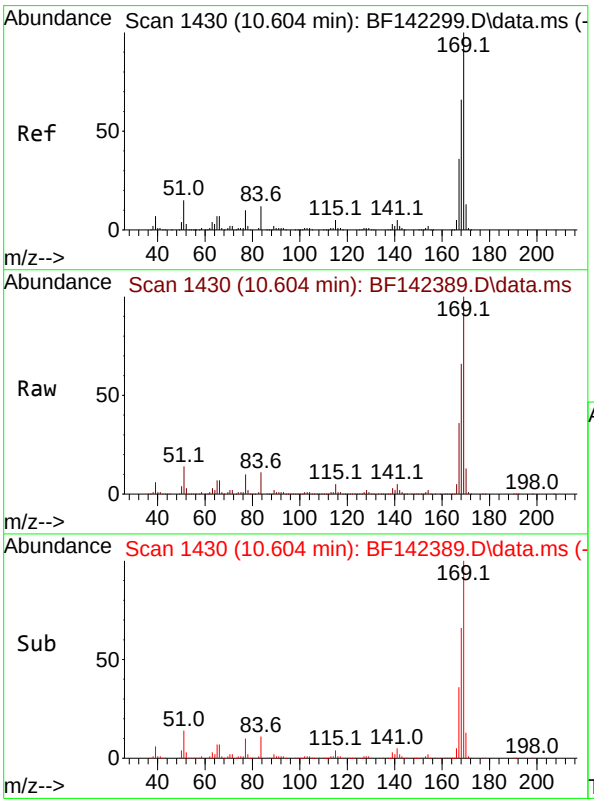
#65
4,6-Dinitro-2-methylphenol
Concen: 62.409 ng
RT: 10.533 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:198 Resp: 165536

Ion	Ratio	Lower	Upper
198	100		
51	49.5	32.9	72.9
105	41.5	23.7	63.7

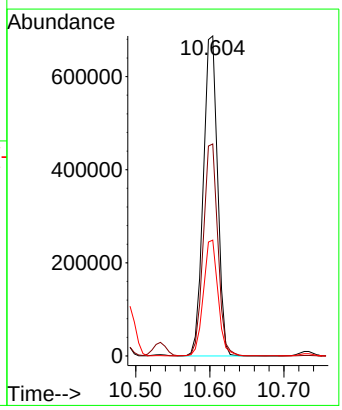


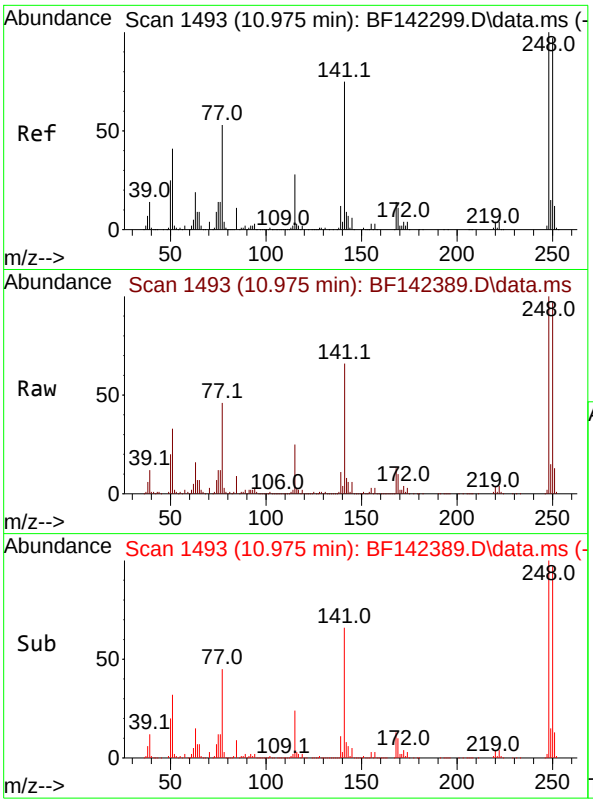


#66
n-Nitrosodiphenylamine
Concen: 50.347 ng
RT: 10.604 min Scan# 1430
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:169 Resp: 916055

Ion	Ratio	Lower	Upper
169	100		
168	66.3	53.2	79.8
167	36.2	28.9	43.3



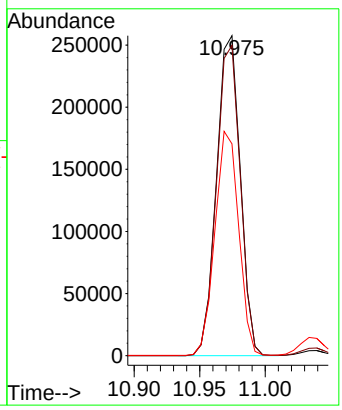


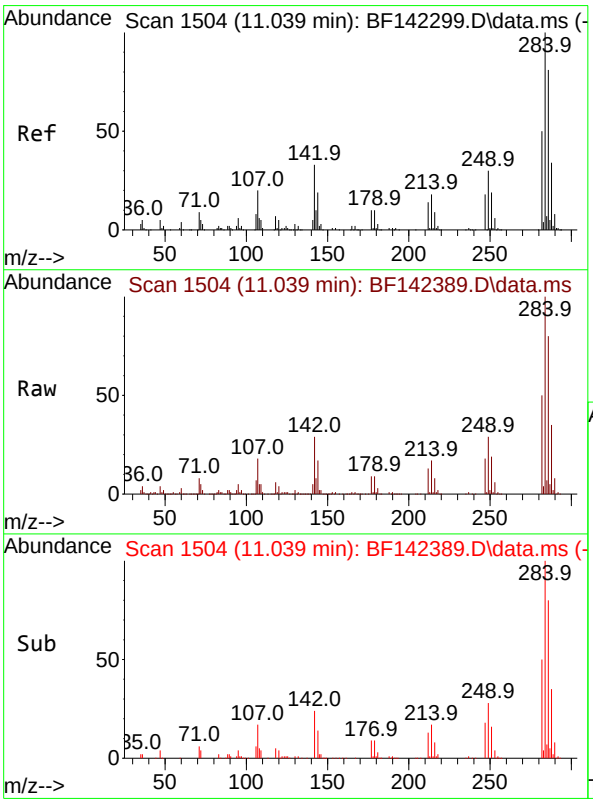
#67
4-Bromophenyl-phenylether
Concen: 52.554 ng
RT: 10.975 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:248 Resp: 325670

Ion	Ratio	Lower	Upper
248	100		
250	97.0	77.9	116.9
141	66.2	59.8	89.8

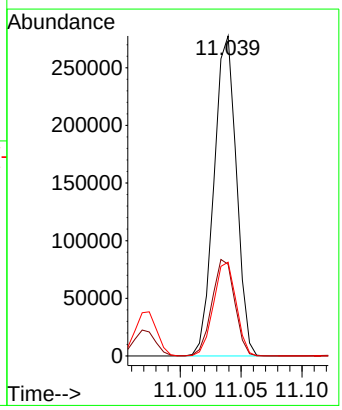


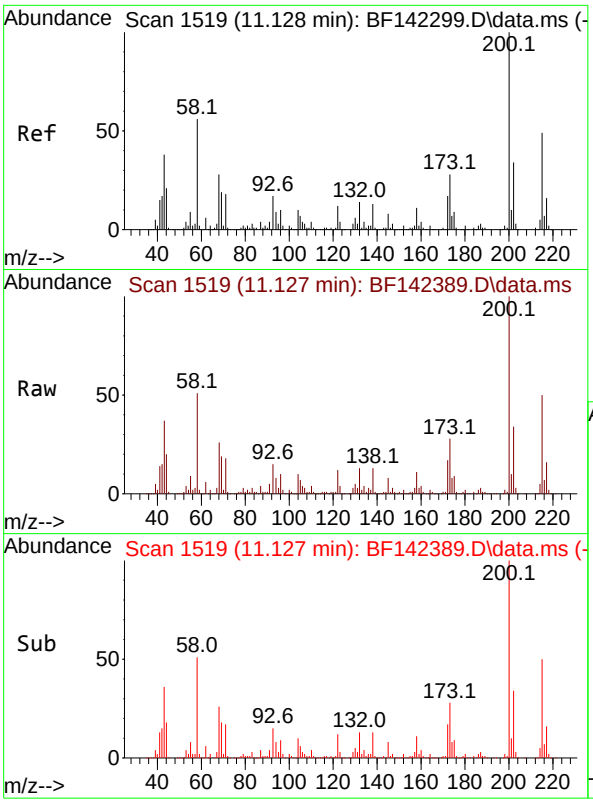


#68
Hexachlorobenzene
Concen: 52.158 ng
RT: 11.039 min Scan# 1504
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:284 Resp: 355537

Ion	Ratio	Lower	Upper
284	100		
142	28.6	26.6	39.8
249	29.3	24.1	36.1



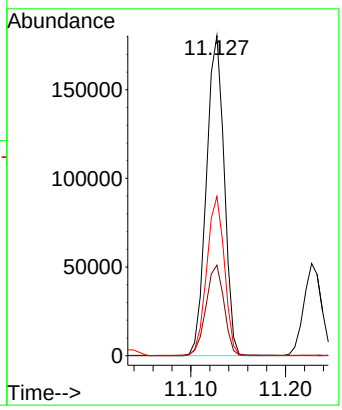


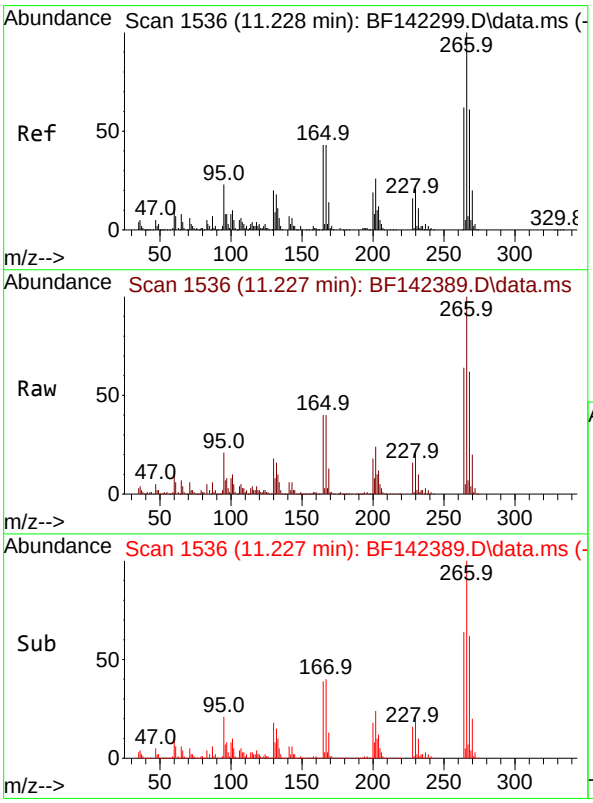
#69
Atrazine
Concen: 49.027 ng
RT: 11.127 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:200 Resp: 235144

Ion	Ratio	Lower	Upper
200	100		
173	28.3	8.1	48.1
215	49.7	28.8	68.8

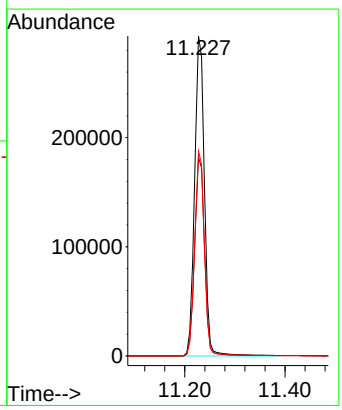


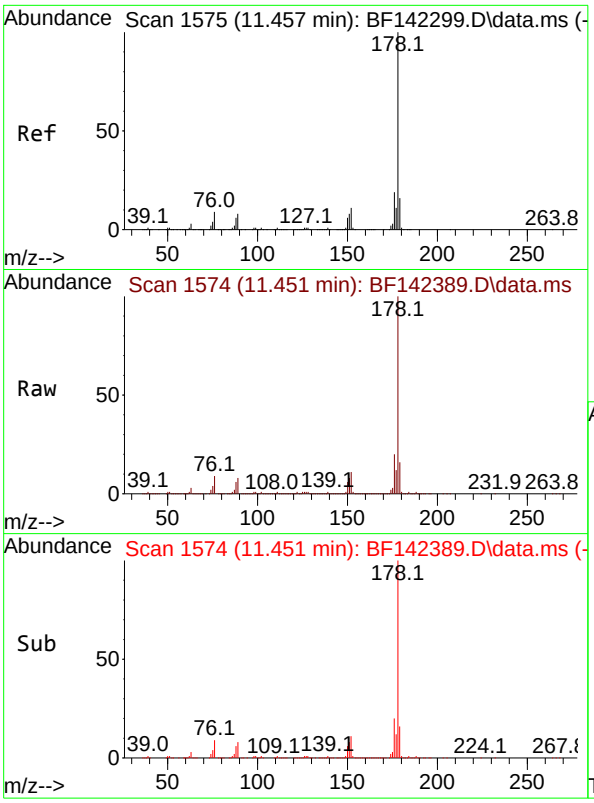


#70
Pentachlorophenol
Concen: 110.768 ng
RT: 11.227 min Scan# 1536
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:266 Resp: 397210

Ion	Ratio	Lower	Upper
266	100		
268	62.1	48.7	73.1
264	64.0	49.8	74.6



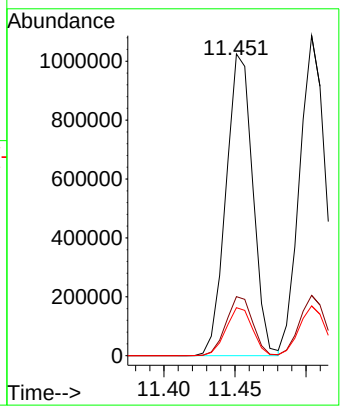


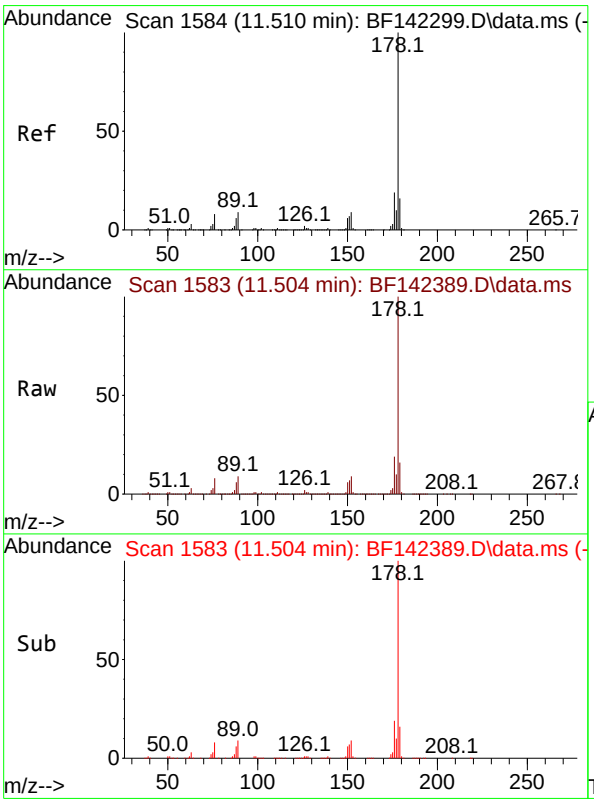
#71
Phenanthrene
Concen: 46.908 ng
RT: 11.451 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:178 Resp: 1344429

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.5	23.3
179	15.9	12.6	18.8

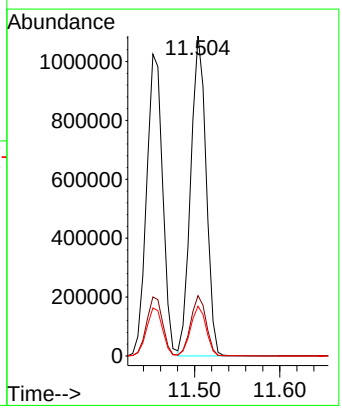


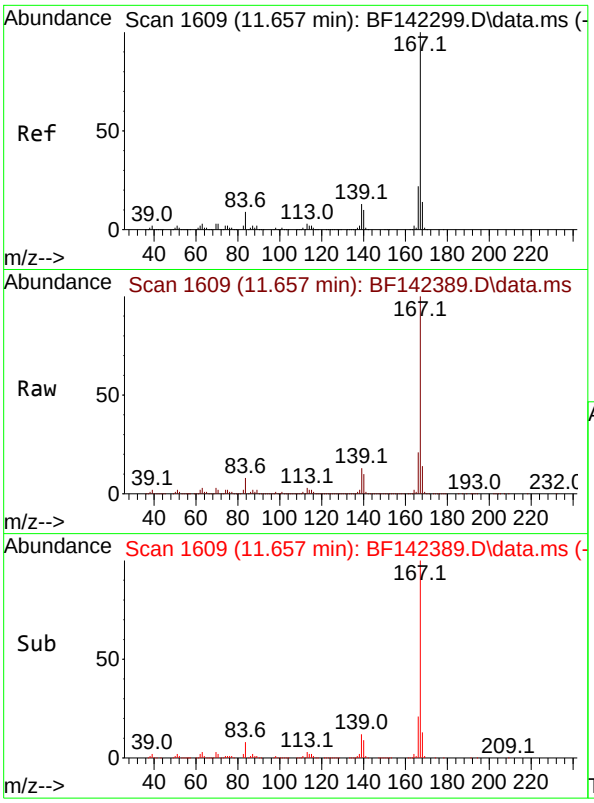


#72
Anthracene
Concen: 46.389 ng
RT: 11.504 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:178 Resp: 1366126

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	15.6	12.6	18.8



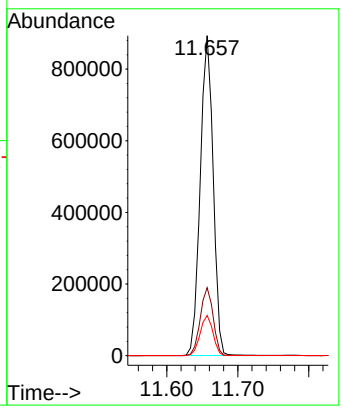


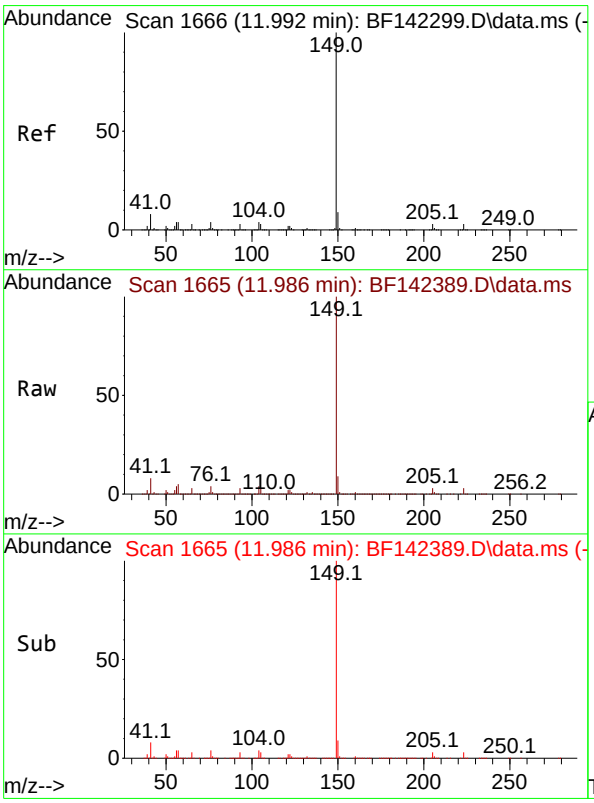
#73
Carbazole
Concen: 42.901 ng
RT: 11.657 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:167 Resp: 1133485

Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.2	25.8
139	12.5	10.3	15.5

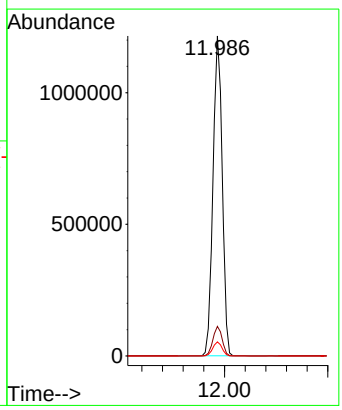


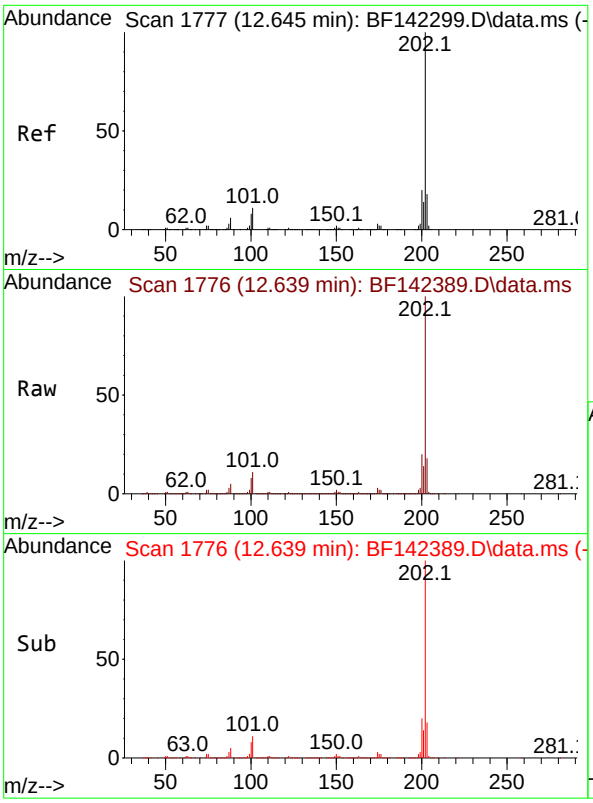


#74
Di-n-butylphthalate
Concen: 54.164 ng
RT: 11.986 min Scan# 1665
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:149 Resp: 1504794

Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.5	11.3
104	4.4	3.6	5.4



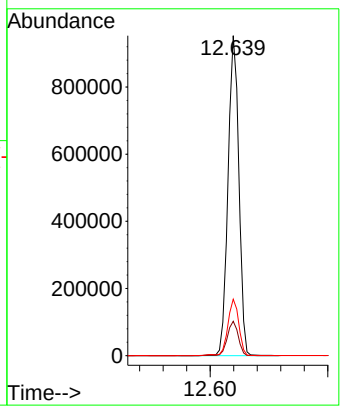


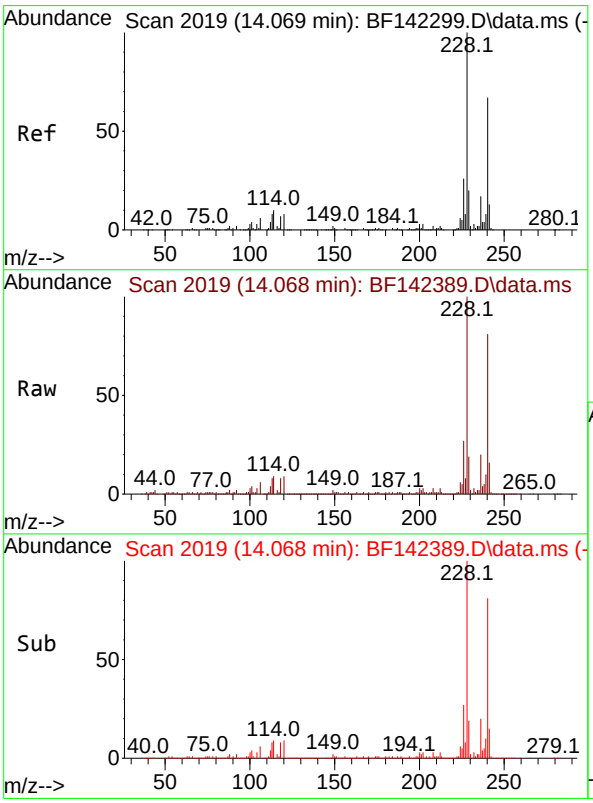
#75
Fluoranthene
Concen: 42.560 ng
RT: 12.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:202 Resp: 1219362

Ion	Ratio	Lower	Upper
202	100		
101	10.7	0.0	31.4
203	17.6	0.0	37.9

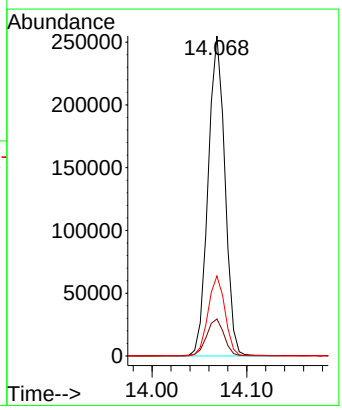


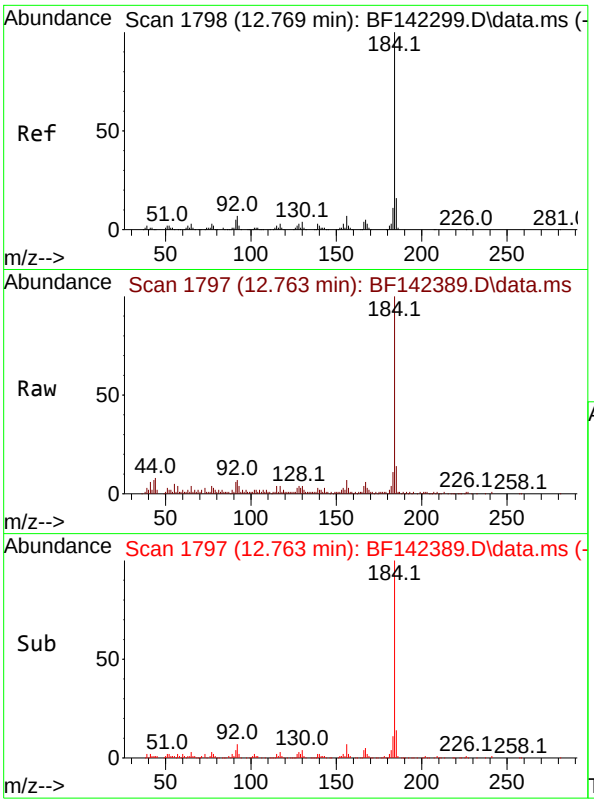


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.068 min Scan# 2019
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:240 Resp: 314221

Ion	Ratio	Lower	Upper
240	100		
120	11.6	9.7	14.5
236	25.0	20.0	30.0



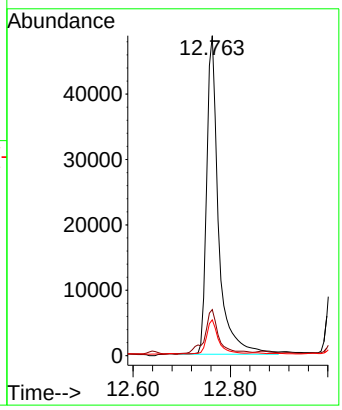


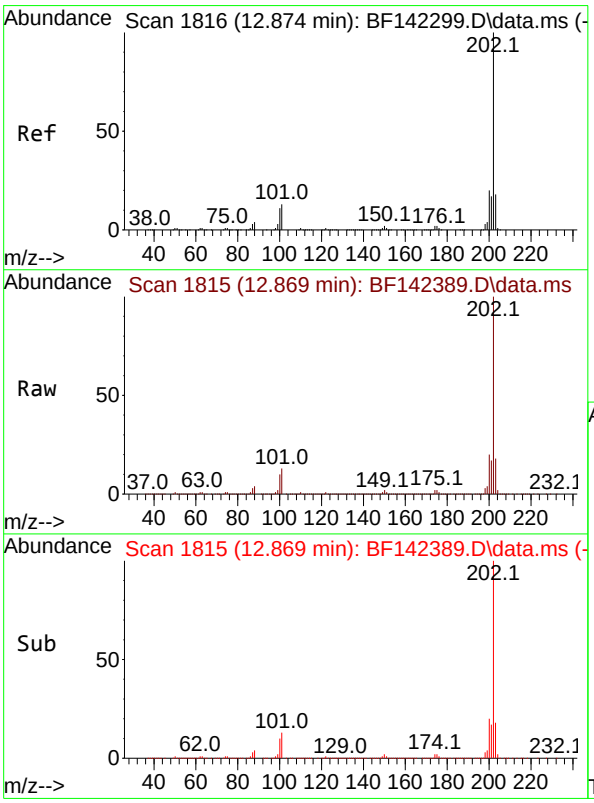
#77
Benzidine
Concen: 14.385 ng
RT: 12.763 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:184 Resp: 82144

Ion	Ratio	Lower	Upper
184	100		
185	14.4	12.6	18.8
183	11.2	8.6	12.8

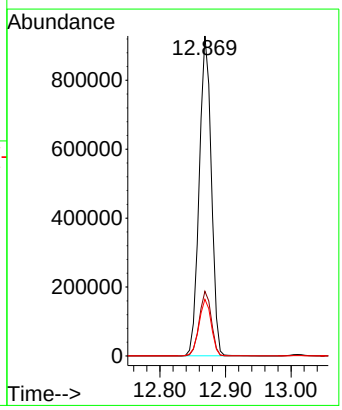


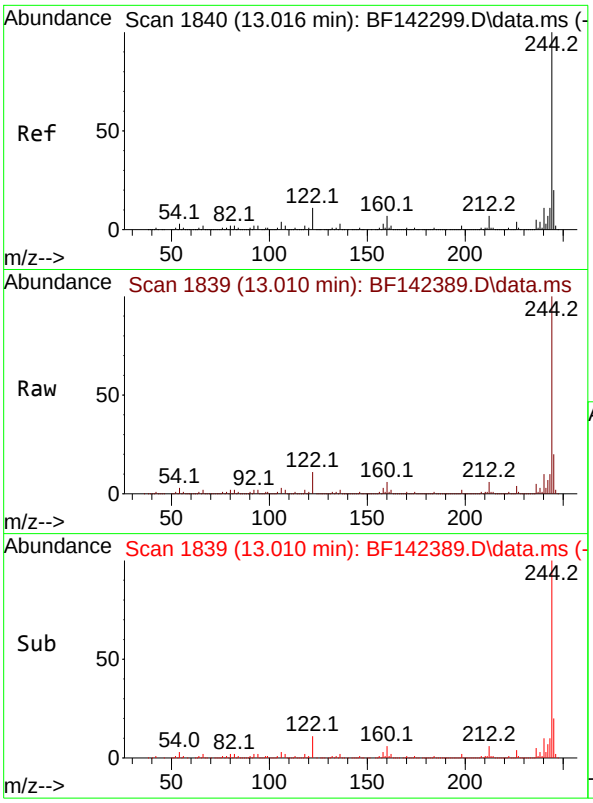


#78
Pyrene
Concen: 42.691 ng
RT: 12.869 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:202 Resp: 1194024

Ion	Ratio	Lower	Upper
202	100		
200	20.2	16.2	24.4
203	17.7	14.3	21.5



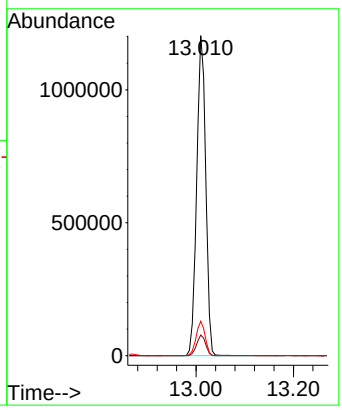


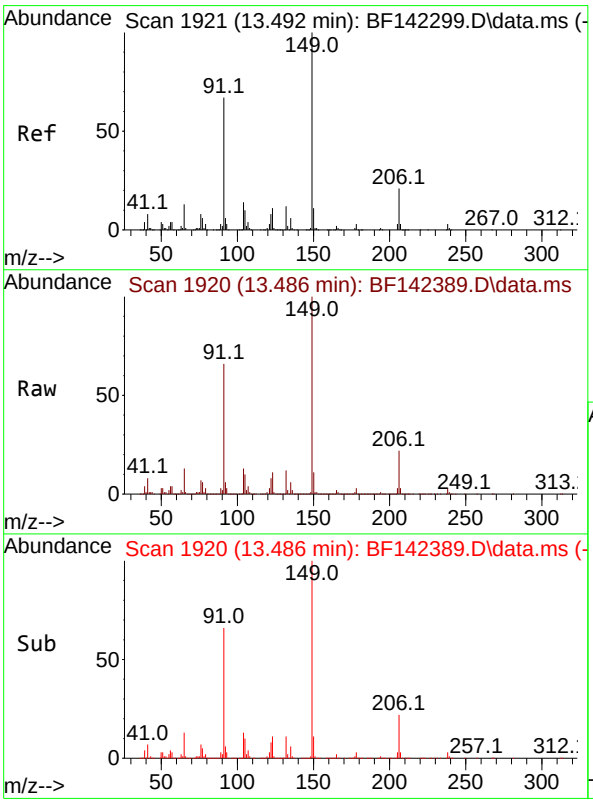
#79
Terphenyl-d14
Concen: 73.516 ng
RT: 13.010 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:244 Resp: 1560715

Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.4	8.2
122	10.7	9.0	13.4

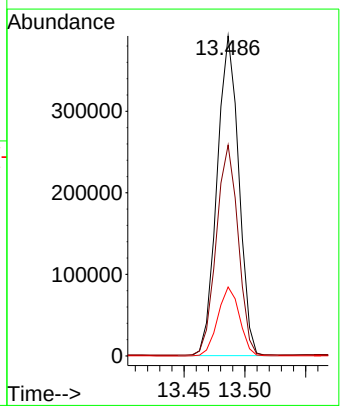


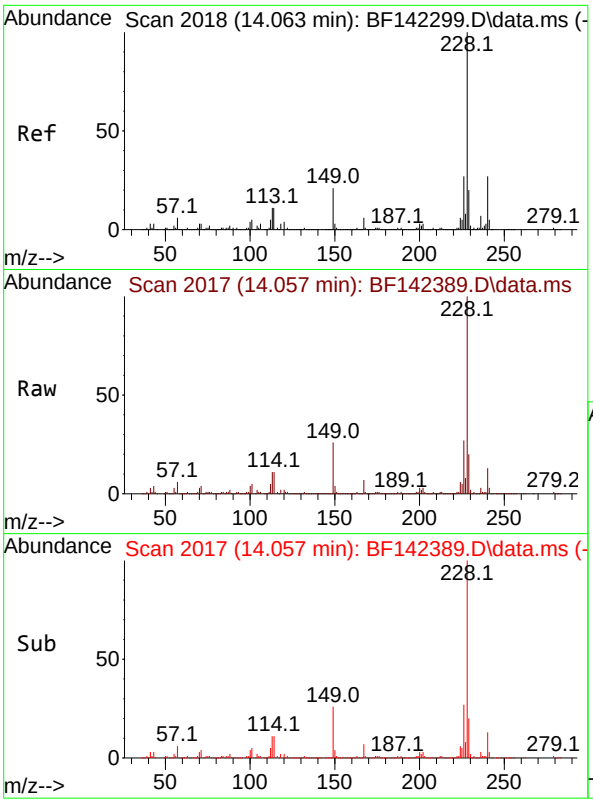


#80
Butylbenzylphthalate
Concen: 58.801 ng
RT: 13.486 min Scan# 1920
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:149 Resp: 487221

Ion	Ratio	Lower	Upper
149	100		
91	65.9	53.8	80.6
206	21.6	16.6	24.8



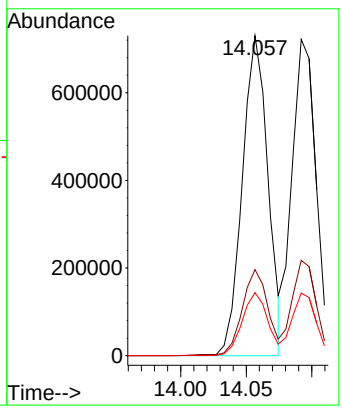


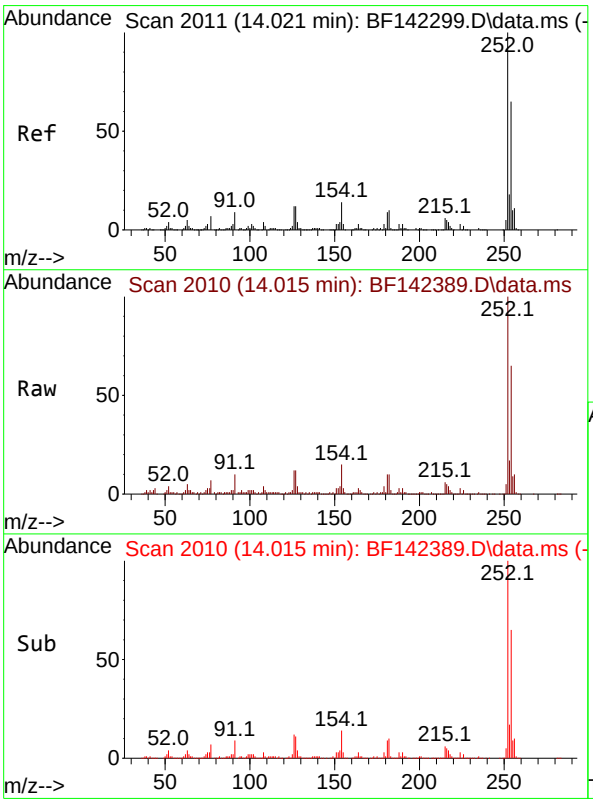
#81
Benzo(a)anthracene
Concen: 48.680 ng
RT: 14.057 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:228 Resp: 990604

Ion	Ratio	Lower	Upper
228	100		
226	26.9	21.5	32.3
229	19.7	15.9	23.9

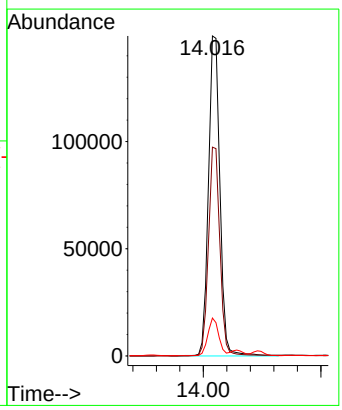


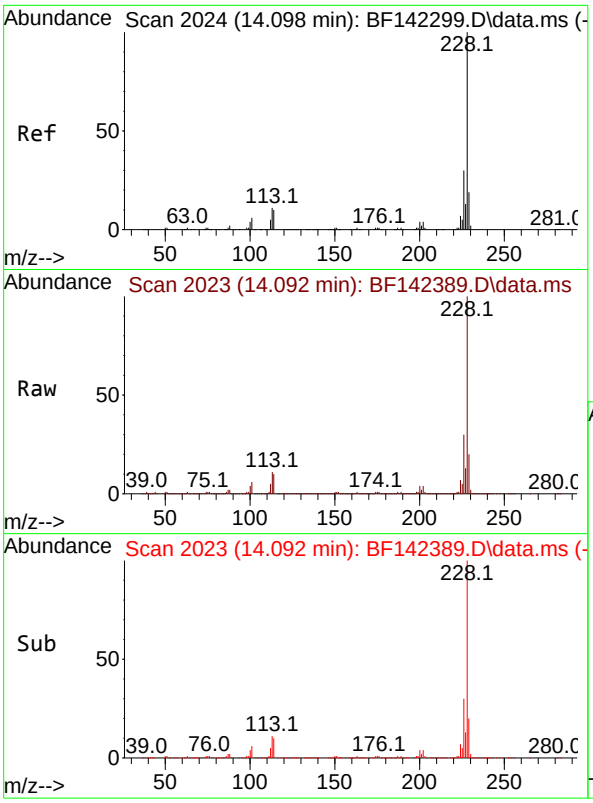


#82
3,3'-Dichlorobenzidine
Concen: 42.804 ng
RT: 14.015 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:252 Resp: 202558

Ion	Ratio	Lower	Upper
252	100		
254	65.2	52.0	78.0
126	11.8	9.7	14.5



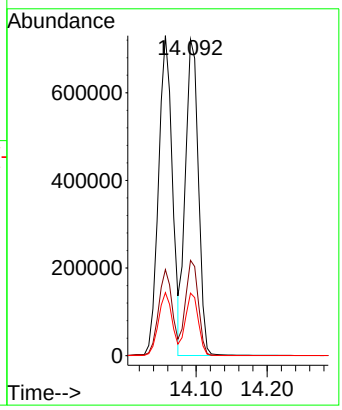


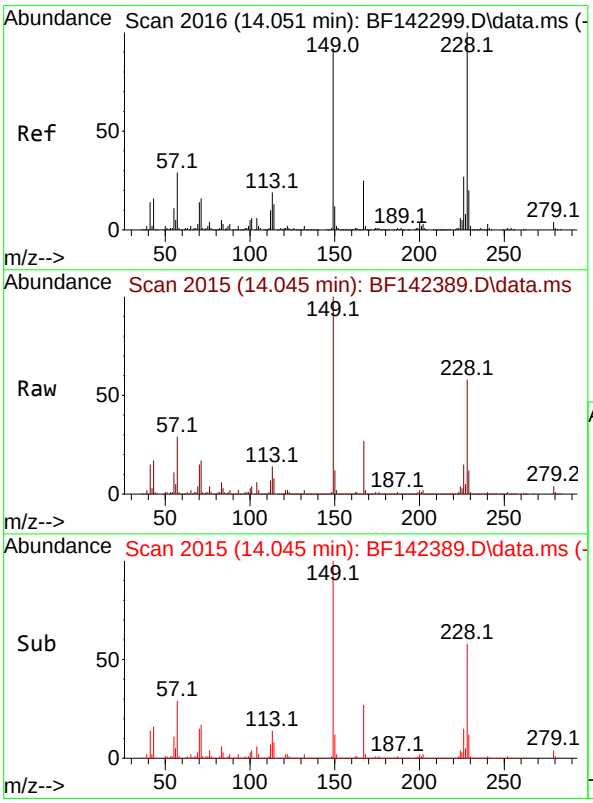
#83
Chrysene
Concen: 48.508 ng
RT: 14.092 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:228 Resp: 918925

Ion	Ratio	Lower	Upper
228	100		
226	30.2	23.9	35.9
229	19.8	15.4	23.2

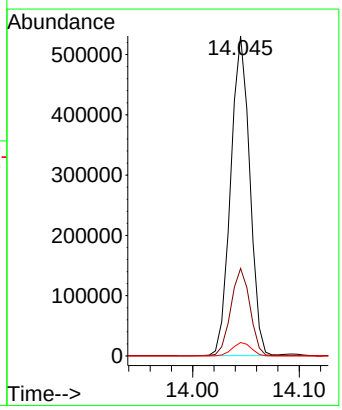


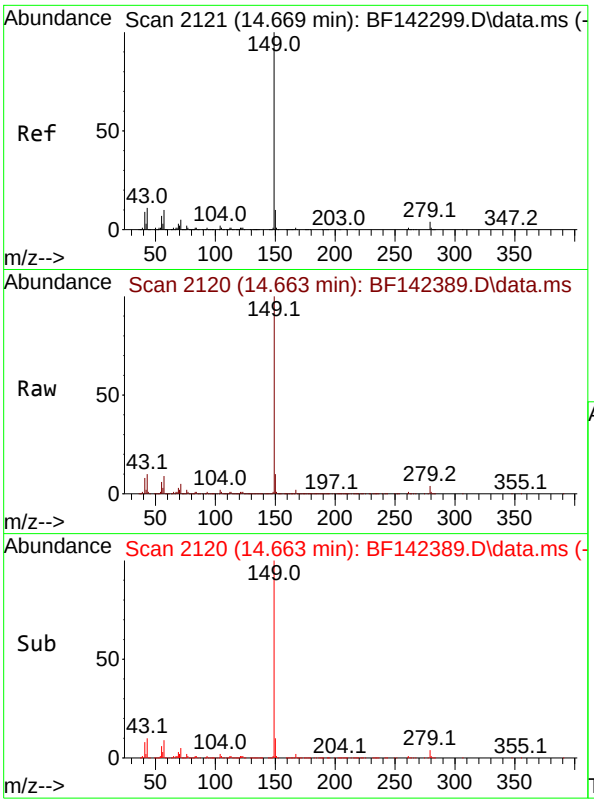


#84
Bis(2-ethylhexyl)phthalate
Concen: 60.948 ng
RT: 14.045 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:149 Resp: 661166

Ion	Ratio	Lower	Upper
149	100		
167	27.3	22.0	33.0
279	4.2	3.0	4.6



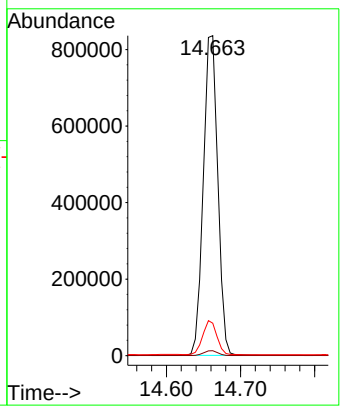


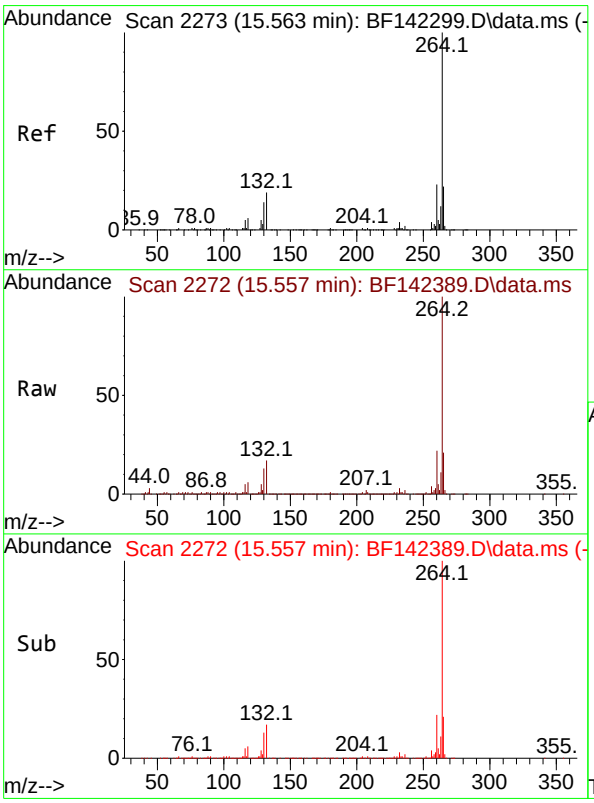
#85
Di-n-octyl phthalate
Concen: 57.300 ng
RT: 14.663 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:149 Resp: 1132929

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	10.3	9.2	13.8

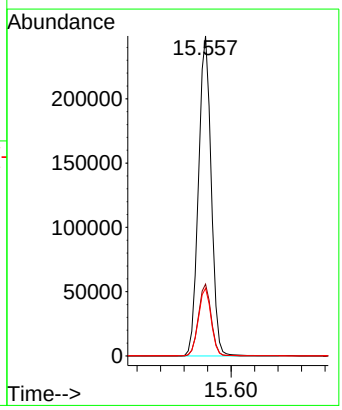


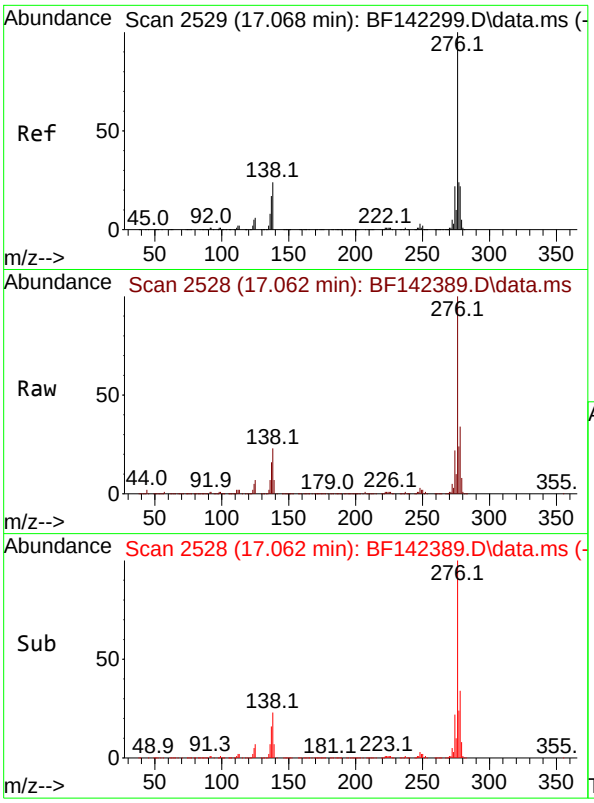


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 2272
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:264 Resp: 374057

Ion	Ratio	Lower	Upper
264	100		
260	22.4	18.6	27.8
265	21.2	17.5	26.3



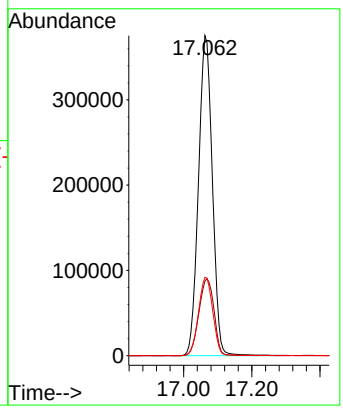


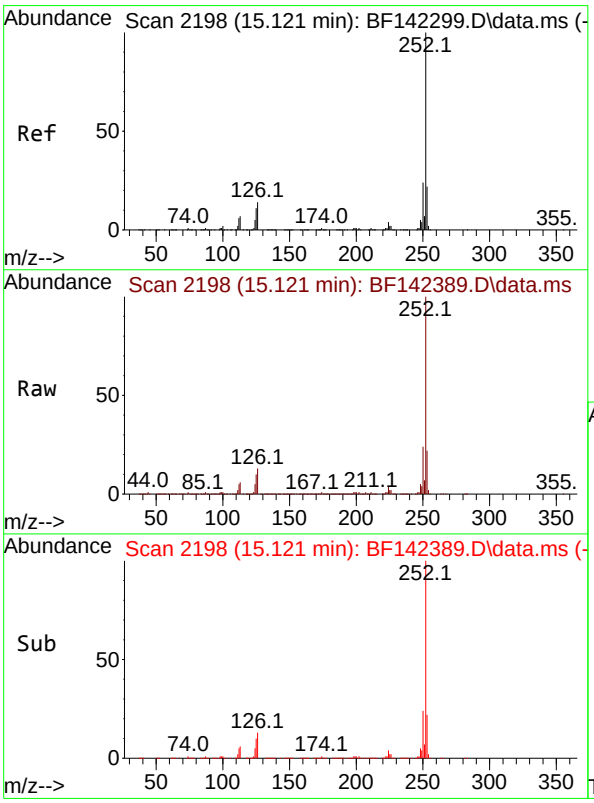
#87
Indeno(1,2,3-cd)pyrene
Concen: 40.822 ng
RT: 17.062 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:276 Resp: 1062226

Ion	Ratio	Lower	Upper
276	100		
138	26.1	22.0	33.0
277	25.2	20.1	30.1

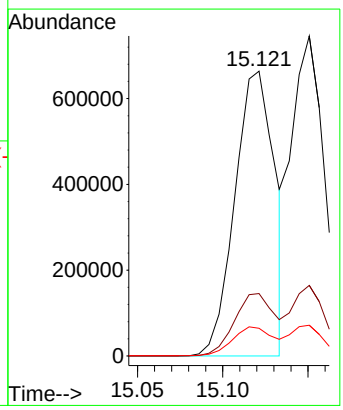


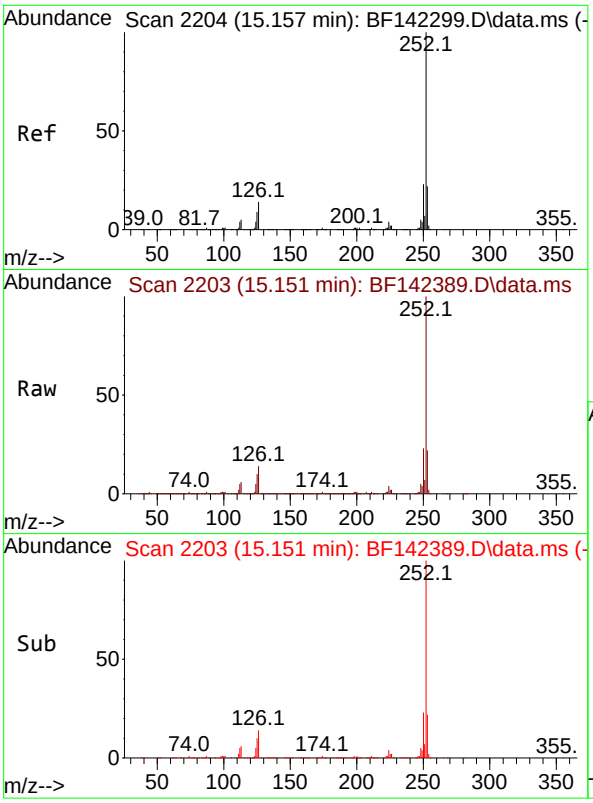


#88
Benzo(b)fluoranthene
Concen: 47.563 ng
RT: 15.121 min Scan# 2198
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:252 Resp: 1077537

Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.7	26.5
125	9.7	8.7	13.1



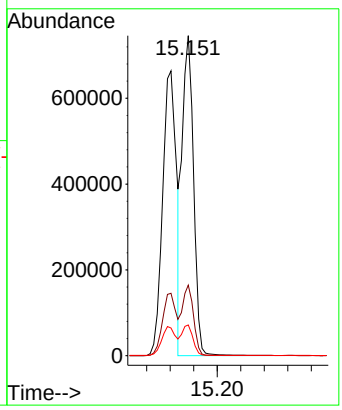


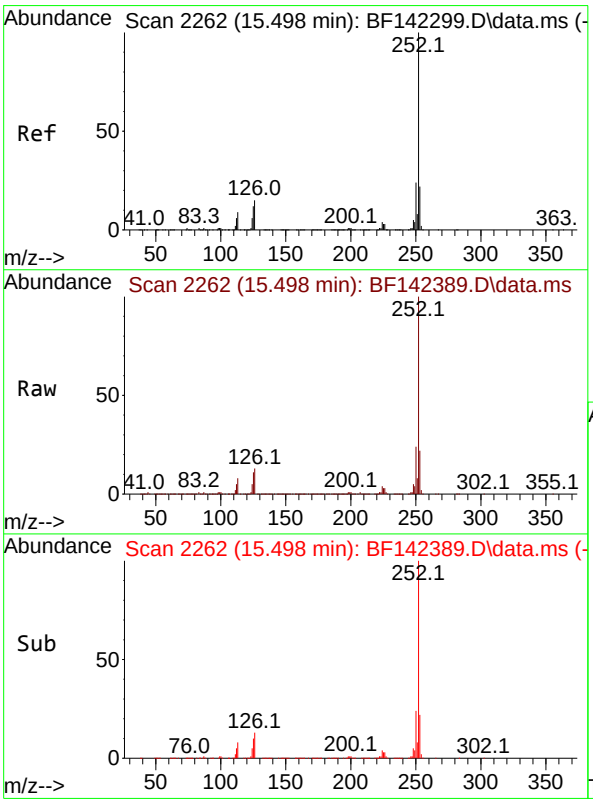
#89
Benzo(k)fluoranthene
Concen: 48.525 ng
RT: 15.151 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:252 Resp: 1006024

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.6	26.4
125	9.6	8.1	12.1

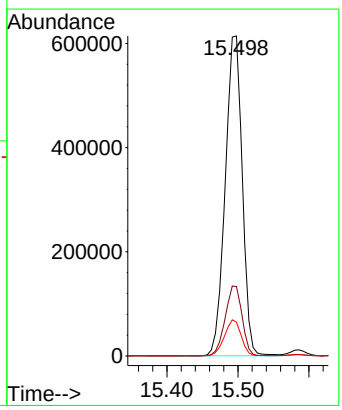


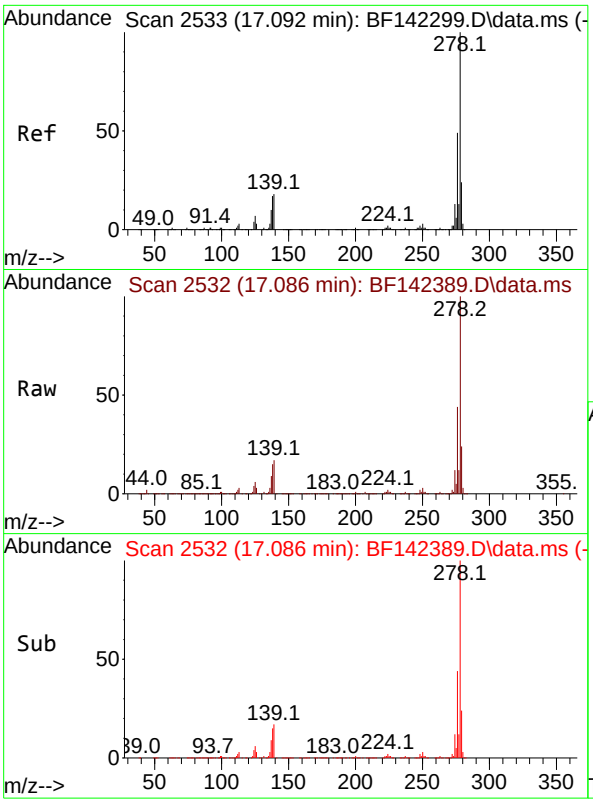


#90
Benzo(a)pyrene
Concen: 50.310 ng
RT: 15.498 min Scan# 2262
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:252 Resp: 1021358

Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.8	26.6
125	10.6	9.4	14.0



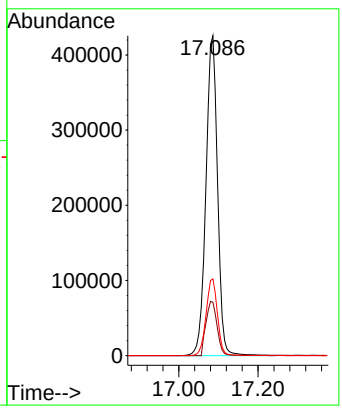


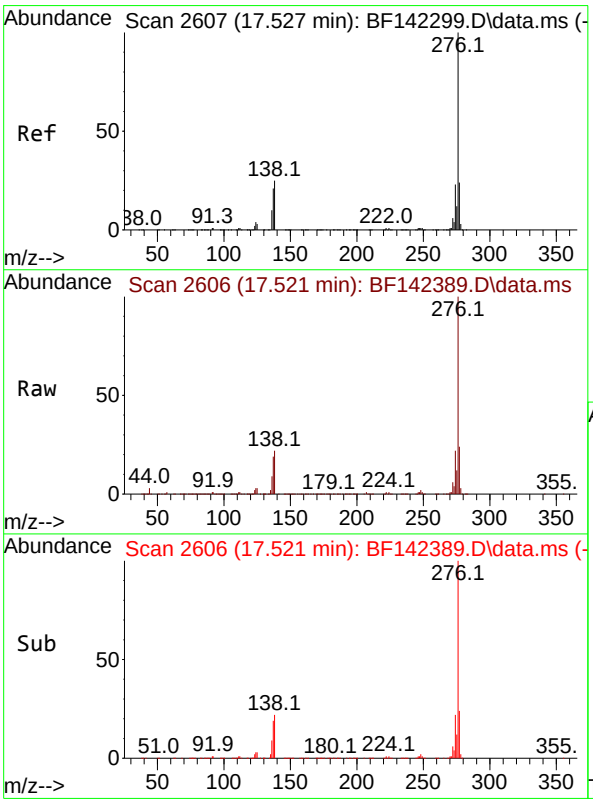
#91
Dibenzo(a,h)anthracene
Concen: 40.405 ng
RT: 17.086 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion:278 Resp: 868581

Ion	Ratio	Lower	Upper
278	100		
139	16.7	14.5	21.7
279	24.0	18.9	28.3





#92
Benzo(g,h,i)perylene
Concen: 37.770 ng
RT: 17.521 min Scan# 2606
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Tgt Ion:276 Resp: 805852

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.0	28.6
138	21.9	19.8	29.6