

Cover Page

Order ID : Q1985

Project ID : NWIRP Bethpage 112G08005-WE13

Client : Tetra Tech NUS, Inc.

Lab Sample Number

Q1985-01
Q1985-02

Client Sample Number

RW8-BW-20250507
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 : _____

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 df. The 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.



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The % RSD is greater than 20% in the Initial Calibration (8270-BF050525.M) for 2-Nitrophenol, 2,4-Dinitrophenol, 4,6-Dinitro-2-methylphenol, Butylbenzophthalate, 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_____

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 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, Butylbenzophthalate, 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.

ALLIANCE 284 Sheffield Street, Mountainside New Jersey 07092

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

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

		NA	NO	YES
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, Therefore 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.

QA REVIEW

Date

ALLIANCE 284 Sheffield Street, Mountainside New Jersey 07092

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

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

(CONTINUED)

NA NO YES

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 Custody

✓

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

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	SVOC-SIMGroup1	8270-Modified	05/07/25	05/13/25	05/14/25	05/08/25
			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

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	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

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	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	

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	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	

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	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

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	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

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		Limits	
								Qual	Low	High	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	

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	RPD		Limits		RPD
							Qual	Low	High		
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	

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: _____



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: CHEMTECHContract: TETR06Lab Code: CHEMSAS No.: Q1985SDG NO.: Q1985Lab File ID: BF142294.DDFTPP Injection Date: 05/05/2025Instrument ID: BNA_FDFTPP 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



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Fax : 908 789 8922

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECHContract: TETR06Lab Code: CHEMSAS No.: Q1985 SDG NO.: Q1985Lab File ID: BF142383.DDFTPP Injection Date: 05/15/2025Instrument ID: BNA_FDFTPP 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

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.

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

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

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

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

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)

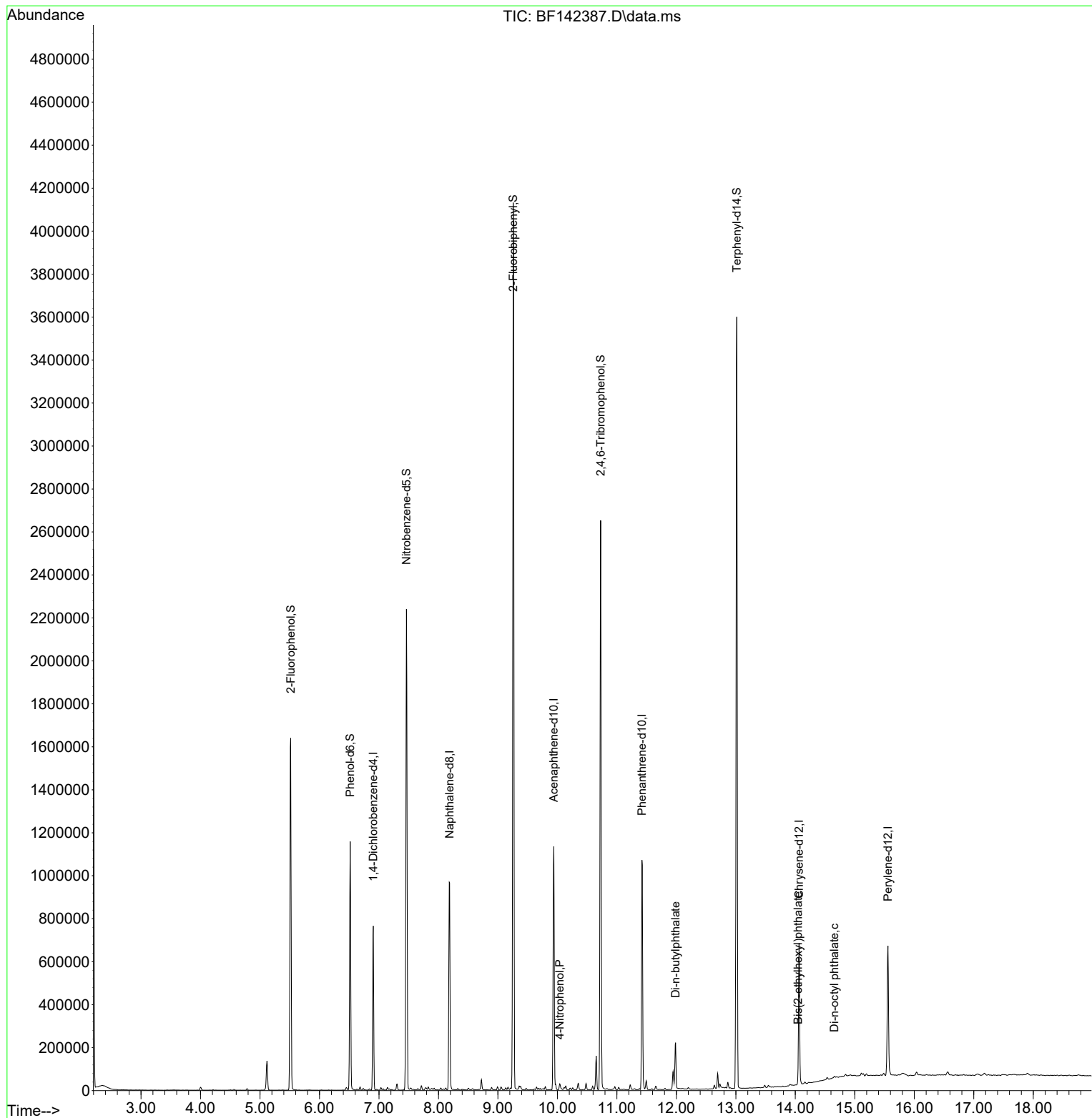
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	167801	20.000	ng	0.00
21) Naphthalene-d8	8.186	136	639031	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	343772	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	569708	20.000	ng	-0.01
76) Chrysene-d12	14.063	240	315375	20.000	ng	0.00
86) Perylene-d12	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

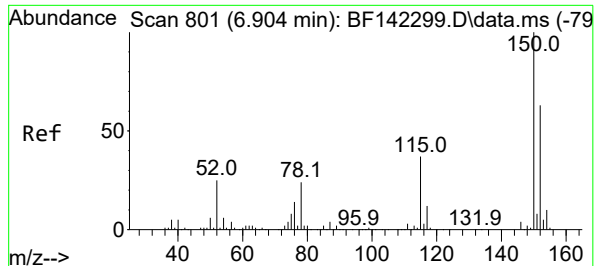
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

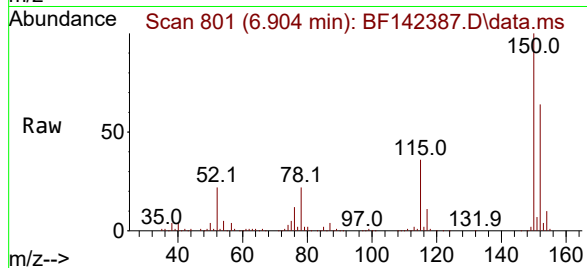
Quant Time: May 15 12:18:48 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration



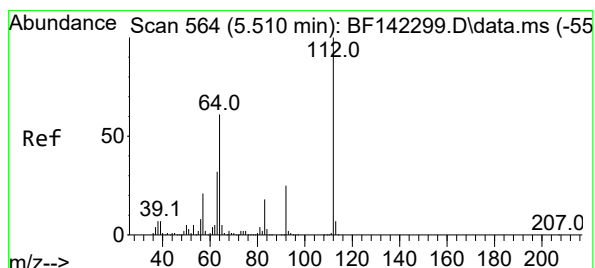
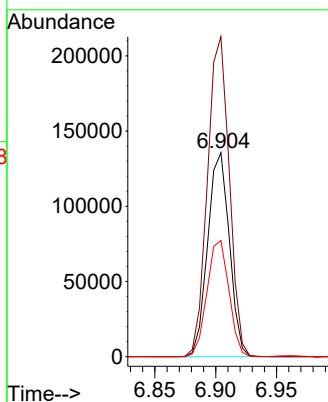
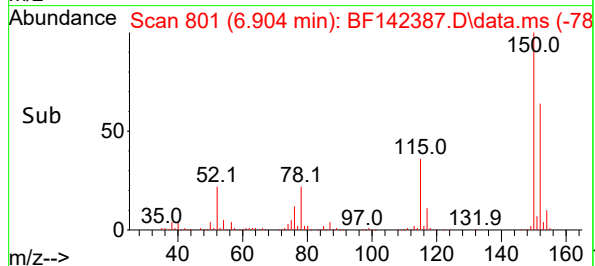


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF142387.D
Acq: 15 May 2025 11:49

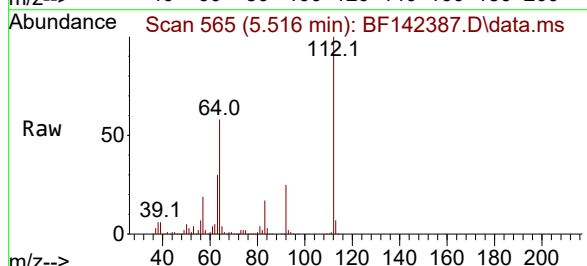
Instrument :
BNA_F
ClientSampleId :
RW8-BW-20250507



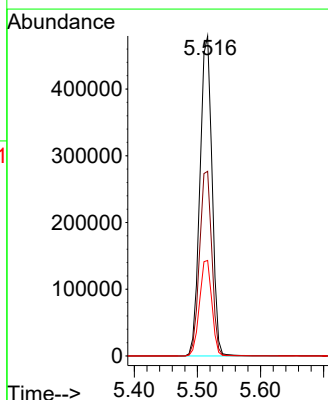
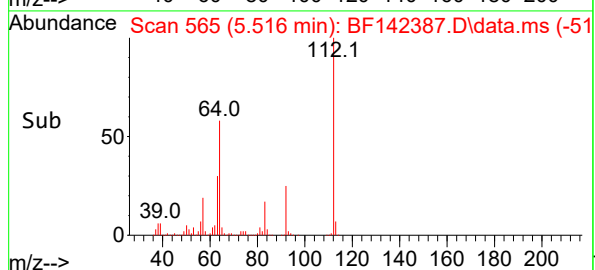
Tgt Ion:152 Resp: 167801
Ion Ratio Lower Upper
152 100
150 156.8 126.6 190.0
115 57.0 47.3 70.9

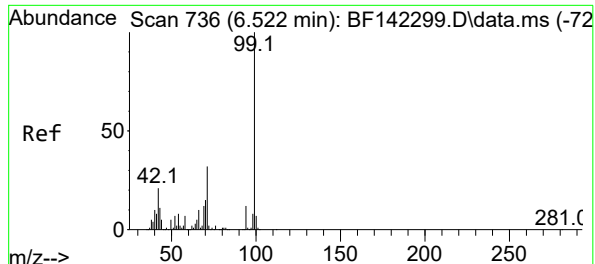


#5
2-Fluorophenol
Concen: 65.015 ng
RT: 5.516 min Scan# 565
Delta R.T. 0.006 min
Lab File: BF142387.D
Acq: 15 May 2025 11:49



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

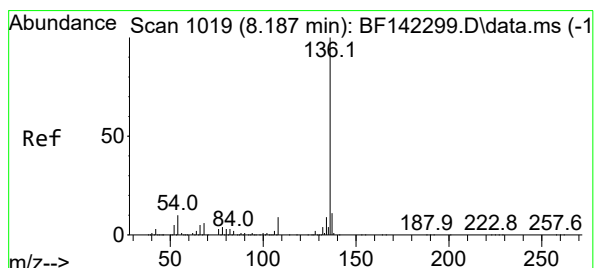
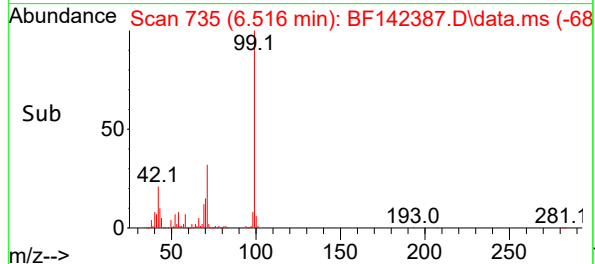
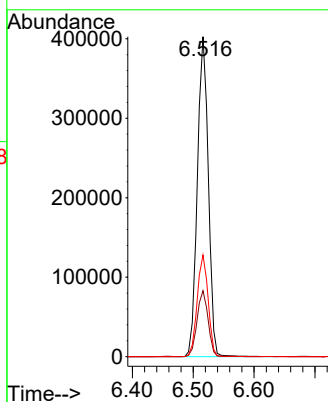
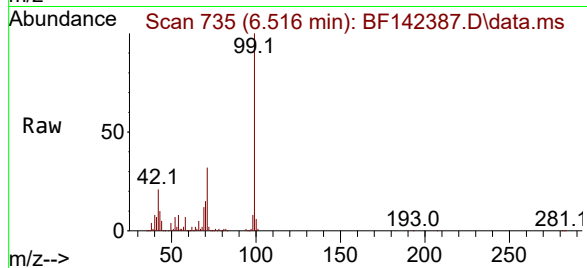




#7
Phenol-d6
Concen: 41.604 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142387.D
Acq: 15 May 2025 11:49

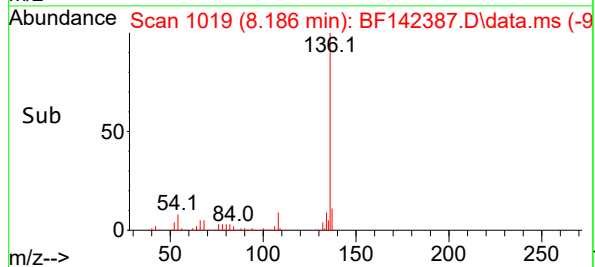
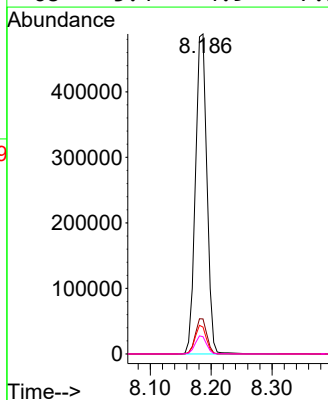
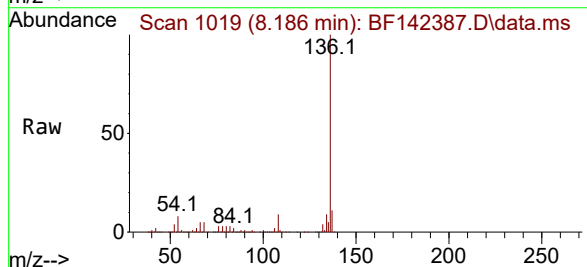
Instrument :
BNA_F
ClientSampleId :
RW8-BW-20250507

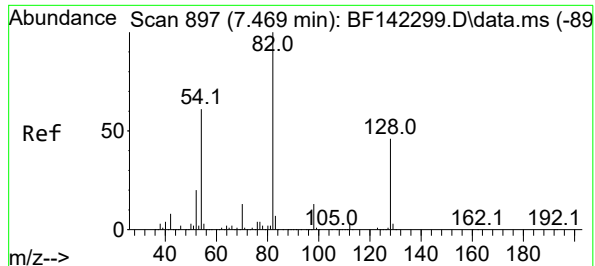
Tgt Ion: 99 Resp: 502983
Ion Ratio Lower Upper
99 100
42 20.6 17.0 25.4
71 31.7 25.8 38.8



#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# 89

Delta R.T. -0.006 min

Lab File: BF142387.D

Acq: 15 May 2025 11:49

Instrument :

BNA_F

ClientSampleId :

RW8-BW-20250507

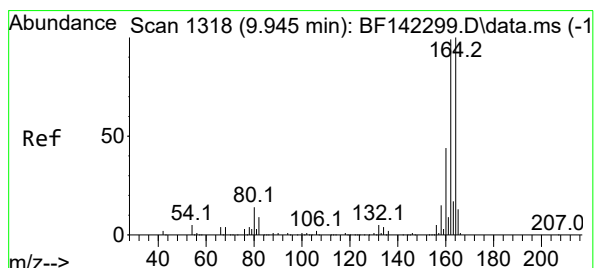
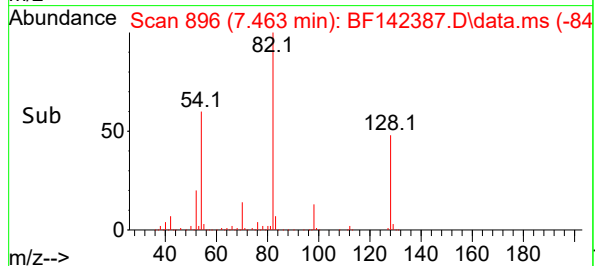
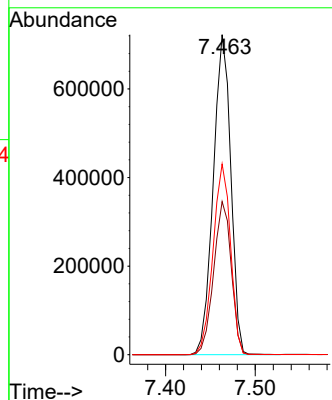
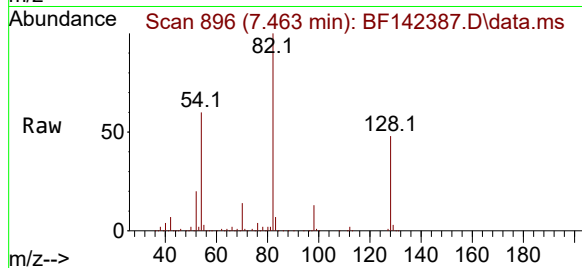
Tgt Ion: 82 Resp: 981641

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

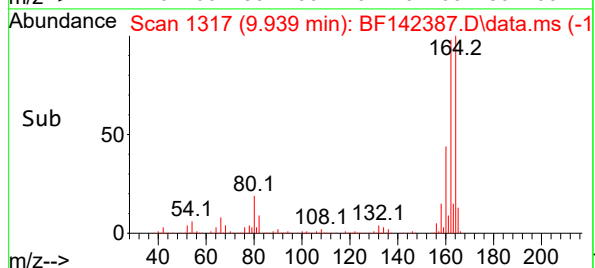
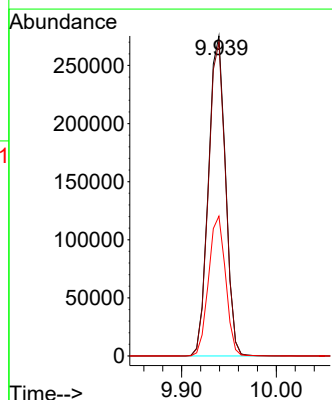
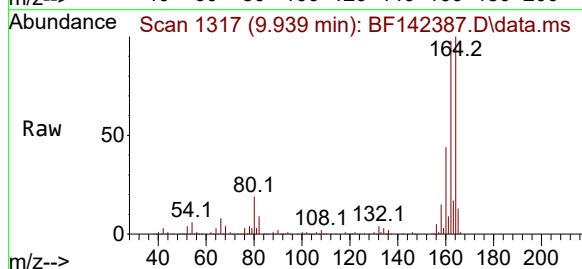
Tgt Ion:164 Resp: 343772

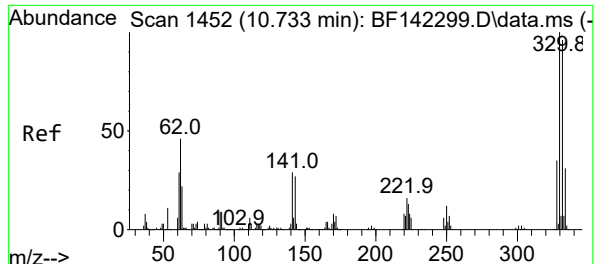
Ion Ratio Lower Upper

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# 1451

Delta R.T. -0.006 min

Lab File: BF142387.D

Acq: 15 May 2025 11:49

Instrument :

BNA_F

ClientSampleId :

RW8-BW-20250507

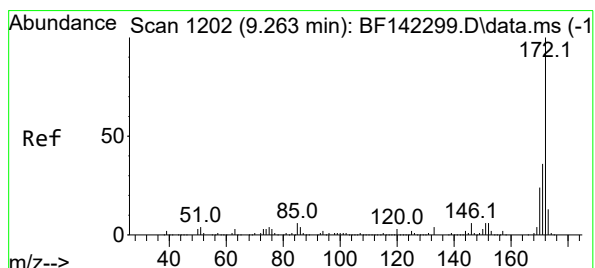
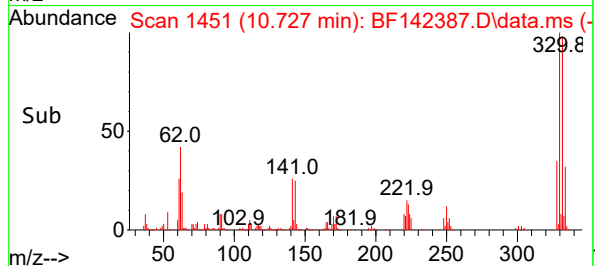
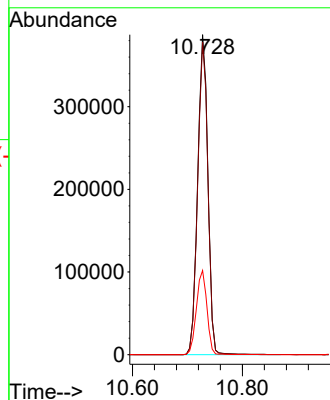
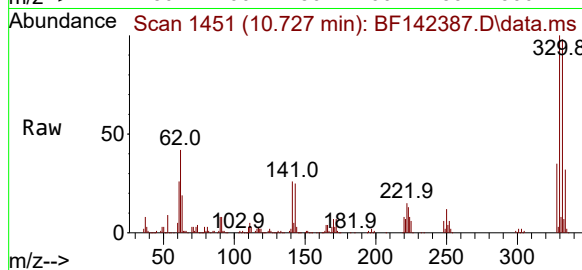
Tgt Ion:330 Resp: 500783

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

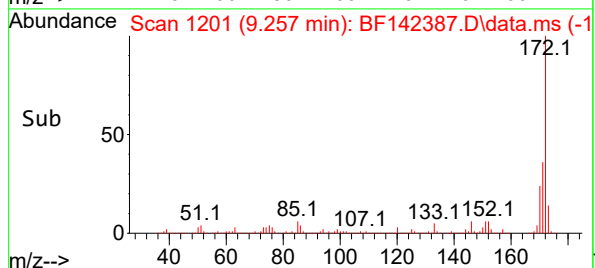
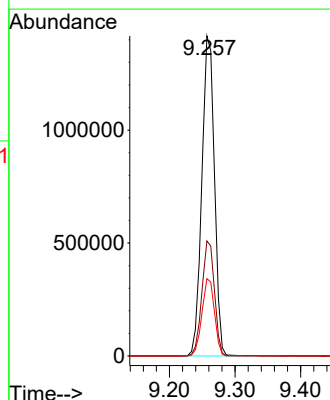
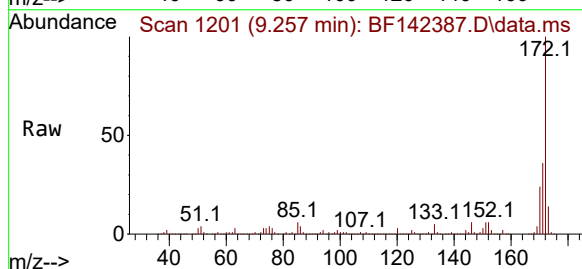
Tgt Ion:172 Resp: 1900582

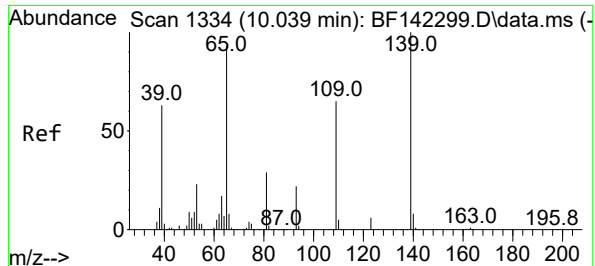
Ion Ratio Lower Upper

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# 11

Delta R.T. -0.000 min

Lab File: BF142387.D

Acq: 15 May 2025 11:49

Instrument :

BNA_F

ClientSampleId :

RW8-BW-20250507

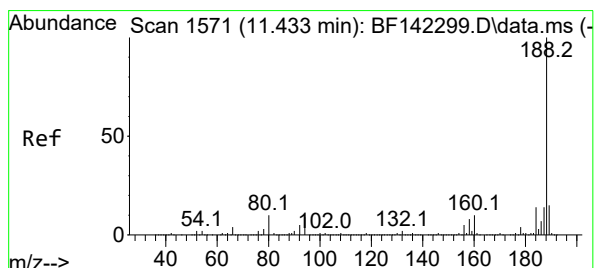
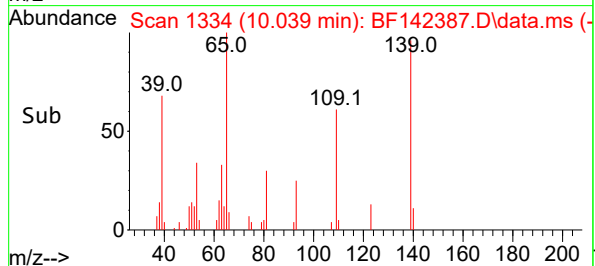
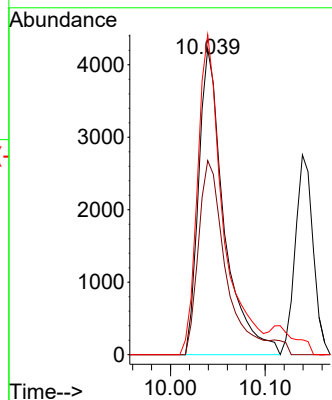
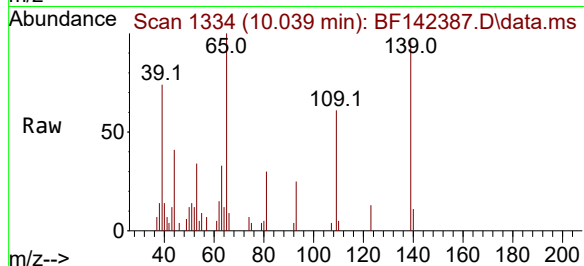
Tgt Ion:139 Resp: 7869

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

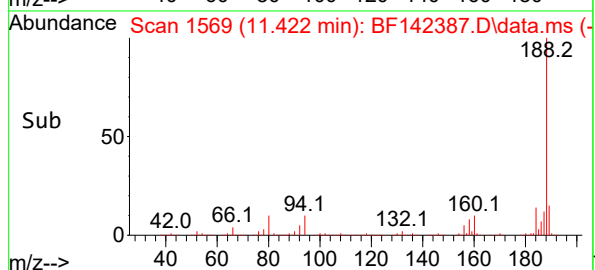
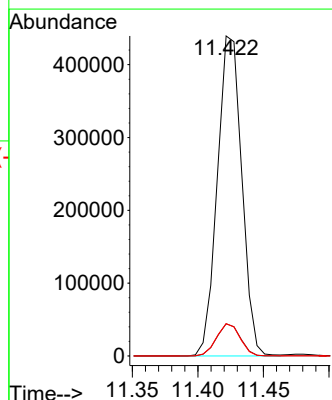
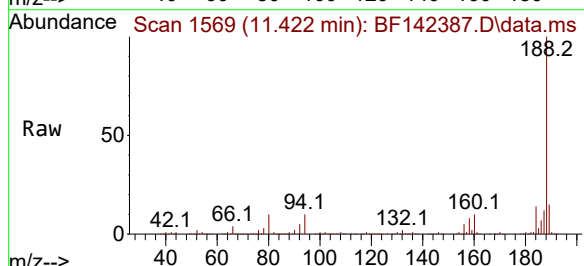
Tgt Ion:188 Resp: 569708

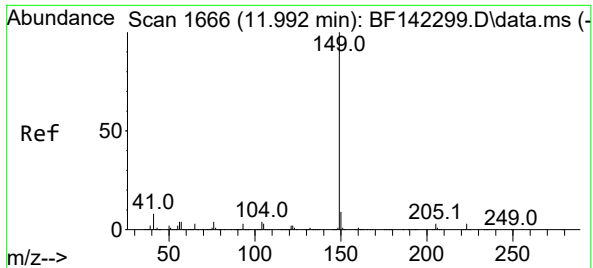
Ion Ratio Lower Upper

188 100

94 10.0 7.5 11.3

80 10.1 7.9 11.9

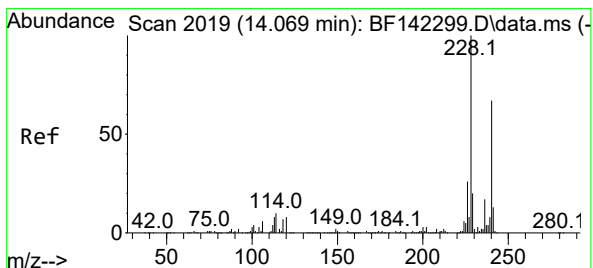
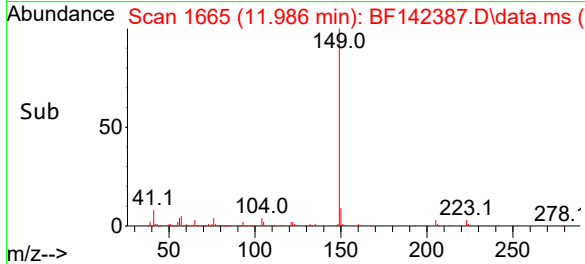
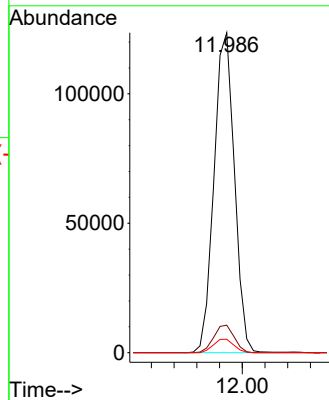
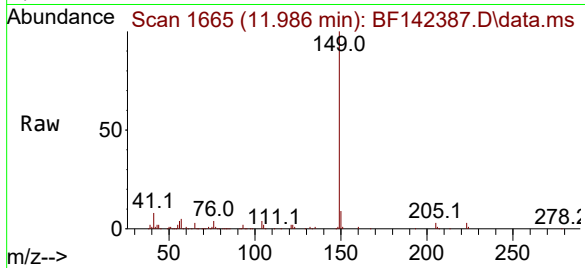




#74
Di-n-butylphthalate
Concen: 5.334 ng
RT: 11.986 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF142387.D
Acq: 15 May 2025 11:49

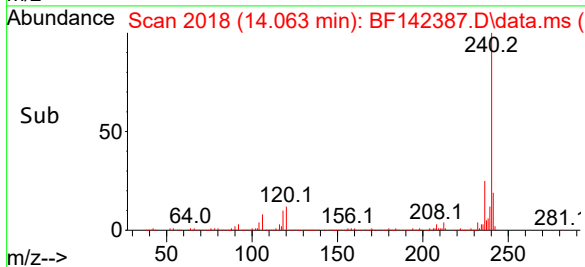
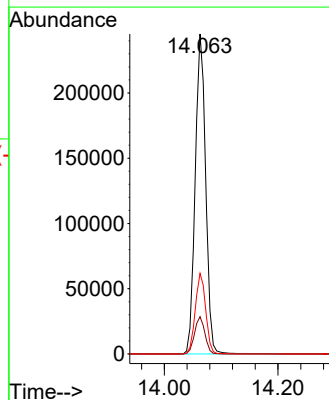
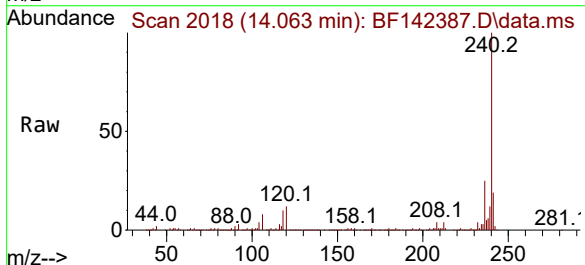
Instrument :
BNA_F
ClientSampleId :
RW8-BW-20250507

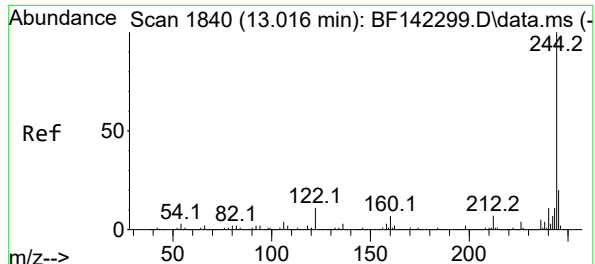
Tgt Ion:149 Resp: 154393
Ion Ratio Lower Upper
149 100
150 8.6 7.5 11.3
104 4.2 3.6 5.4



#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

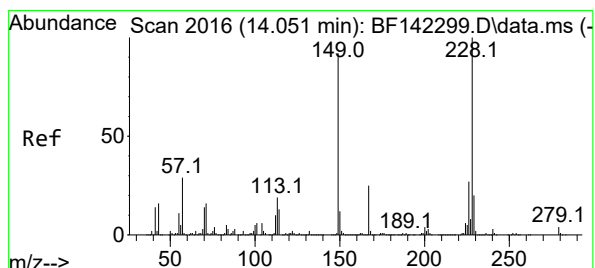
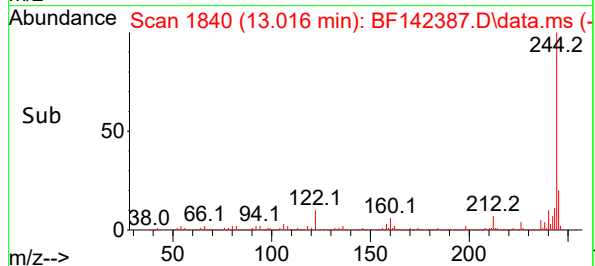
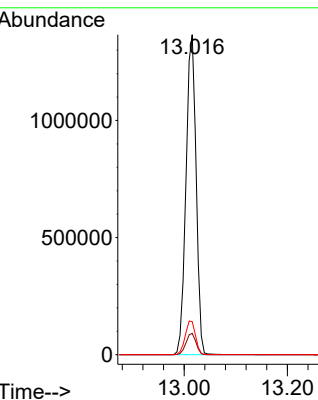
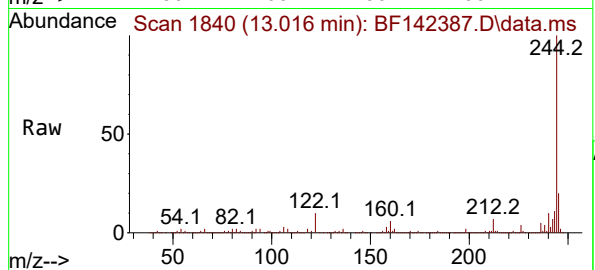
Tgt Ion:244 Resp: 1852419

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

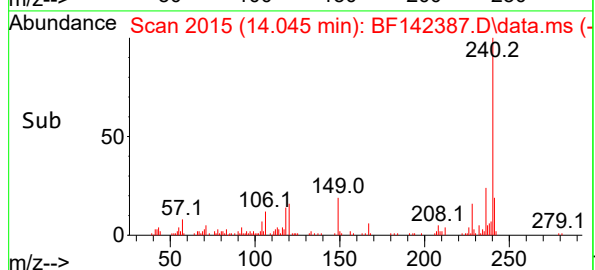
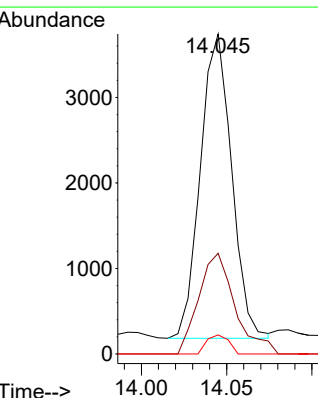
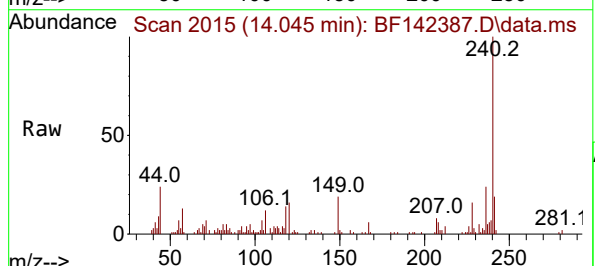
Tgt Ion:149 Resp: 4538

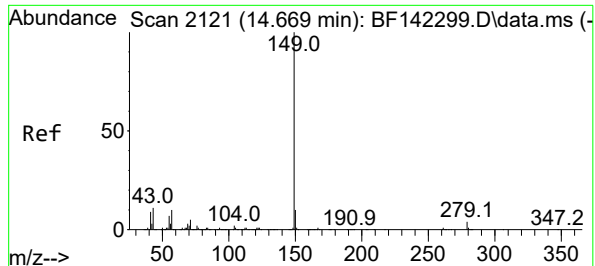
Ion Ratio Lower Upper

149 100

167 31.5 22.0 33.0

279 6.0 3.0 4.6#

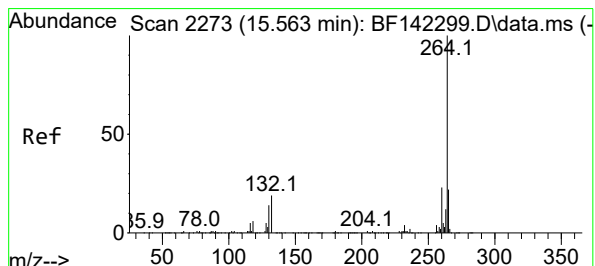
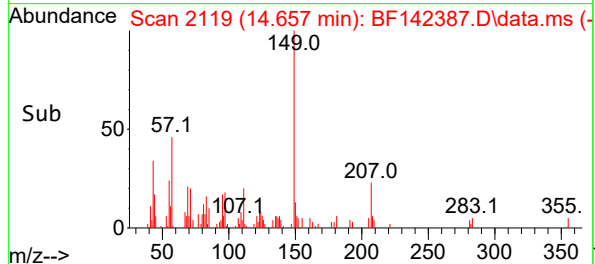
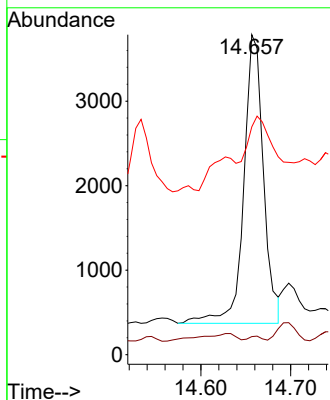
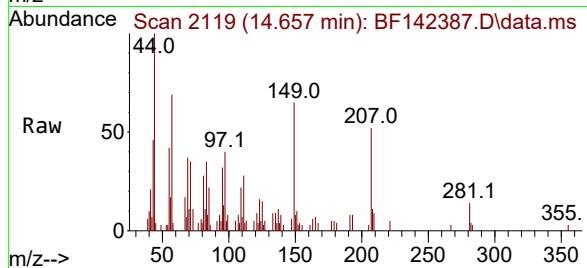




#85
Di-n-octyl phthalate
Concen: 8.067 ng
RT: 14.657 min Scan# 2119
Delta R.T. -0.012 min
Lab File: BF142387.D
Acq: 15 May 2025 11:49

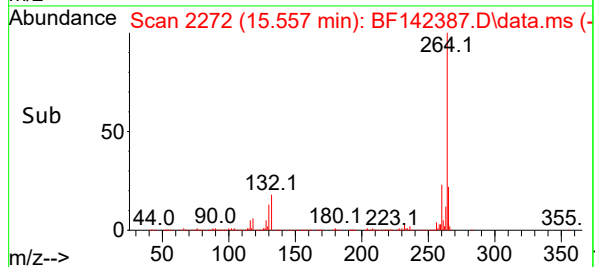
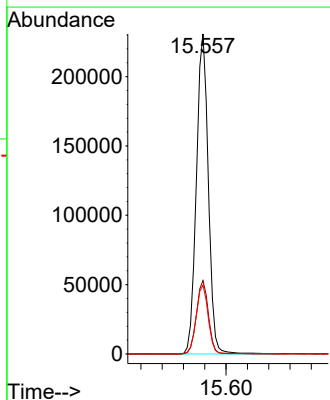
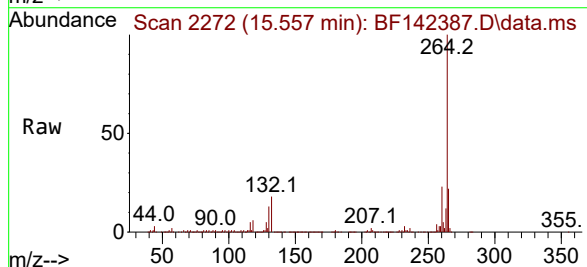
Instrument :
BNA_F
ClientSampleId :
RW8-BW-20250507

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



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%

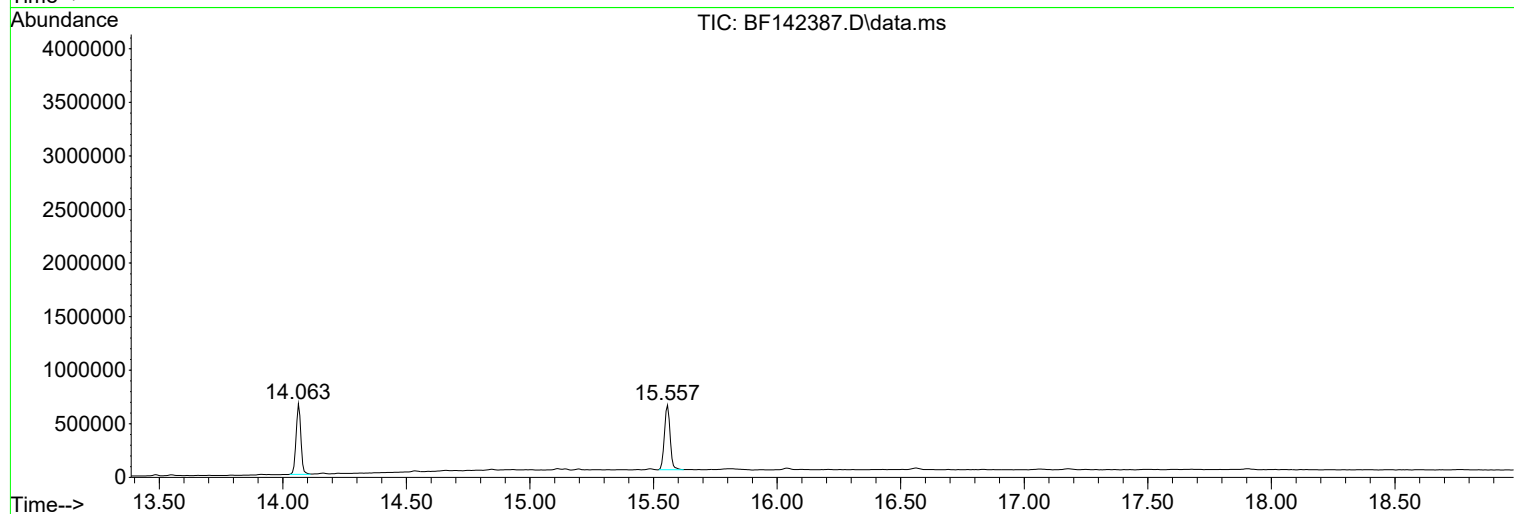
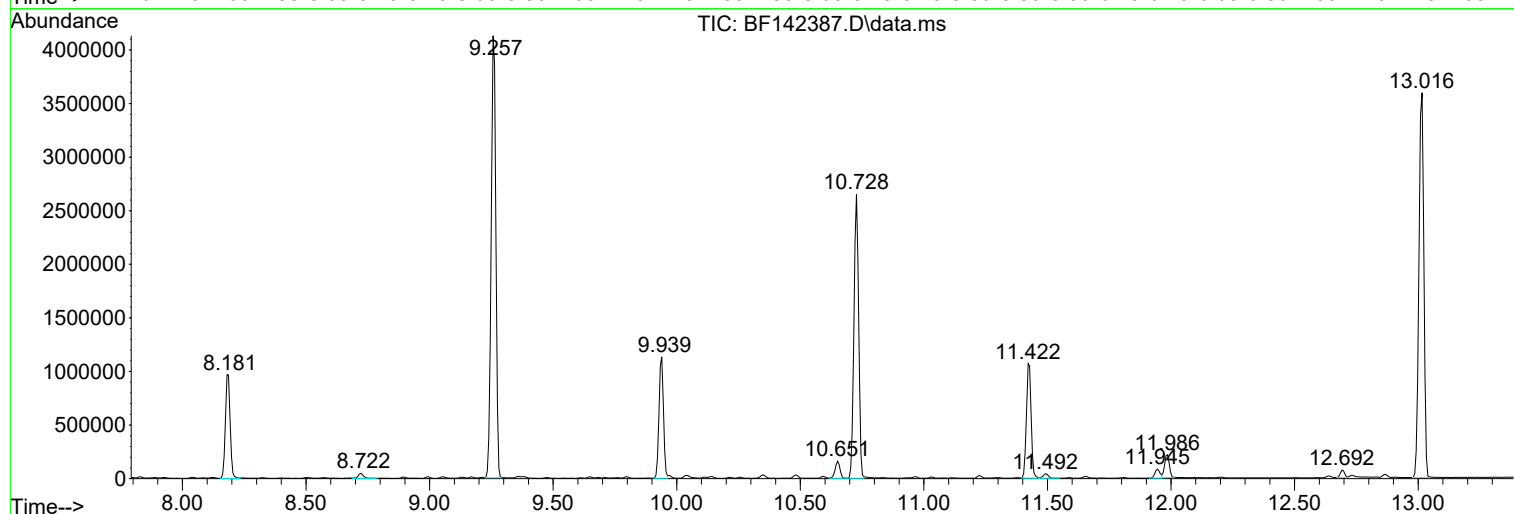
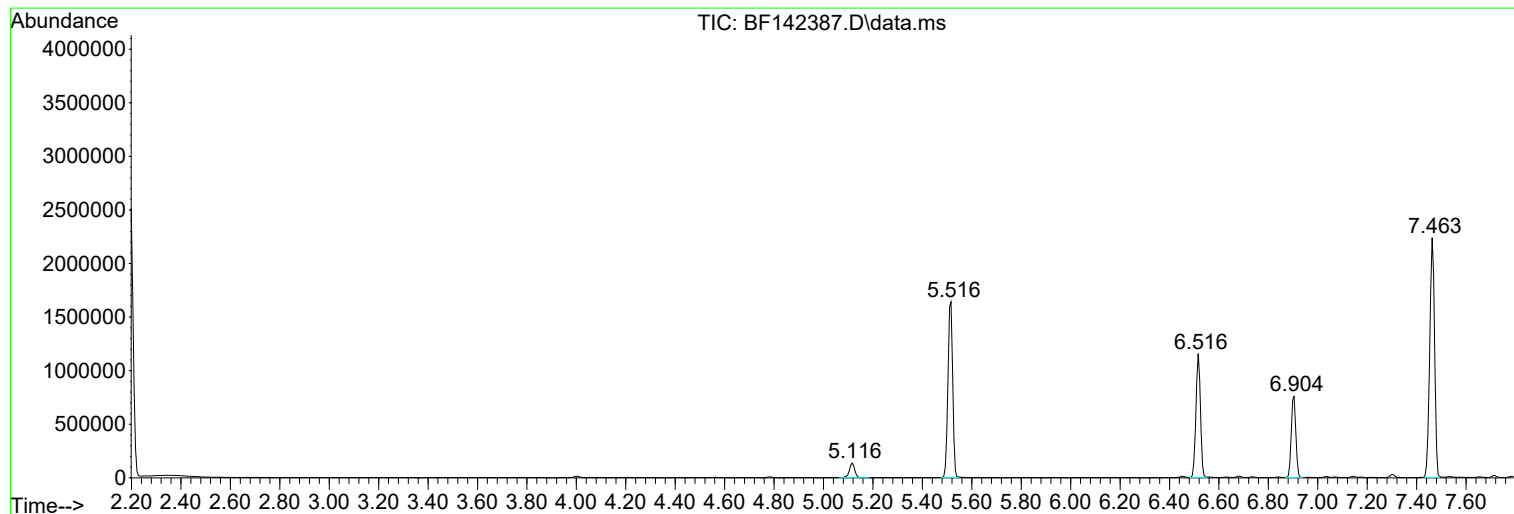
Sum of corrected areas: 28453656

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

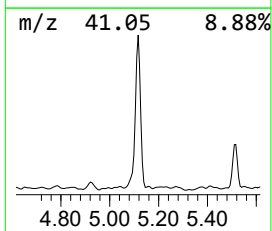
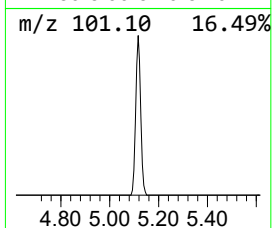
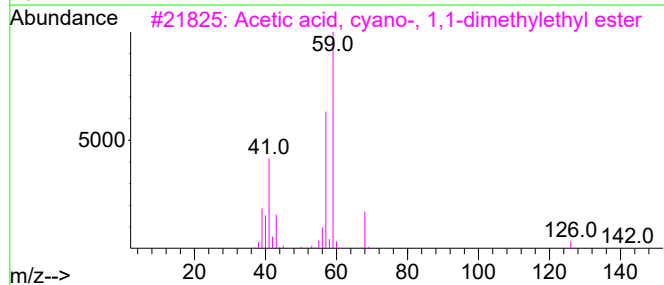
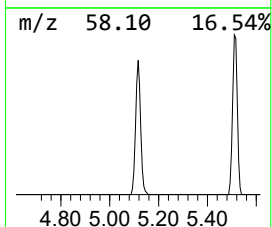
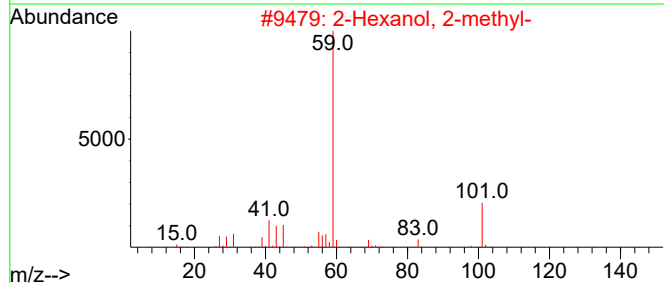
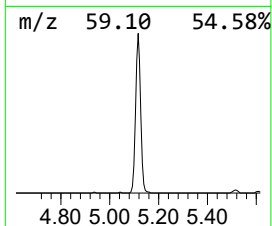
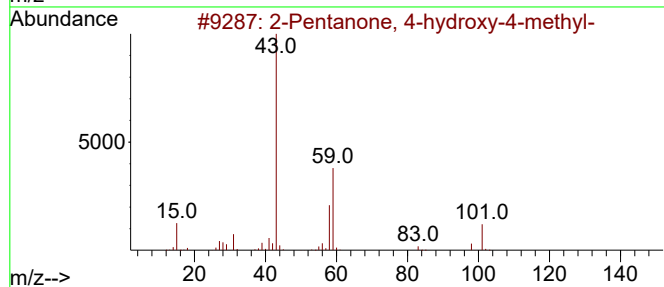
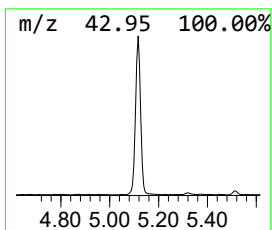
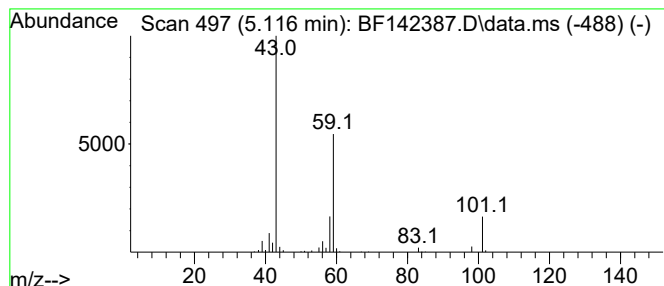
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

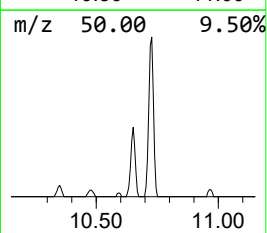
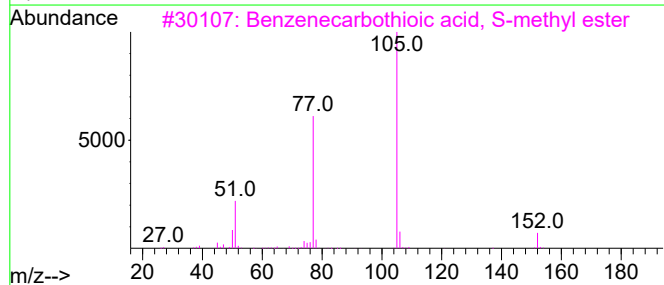
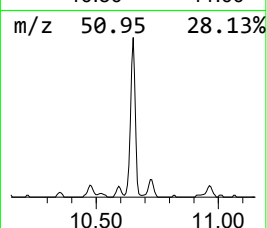
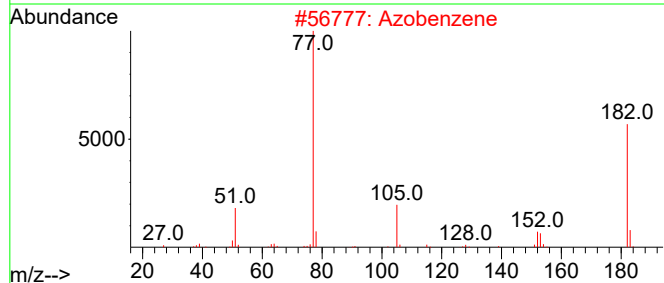
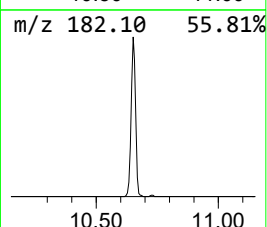
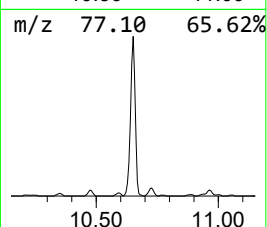
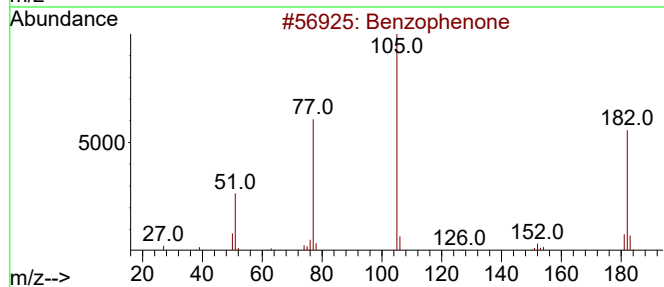
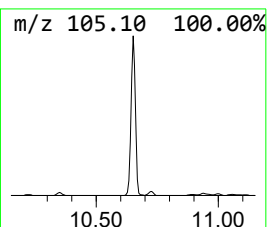
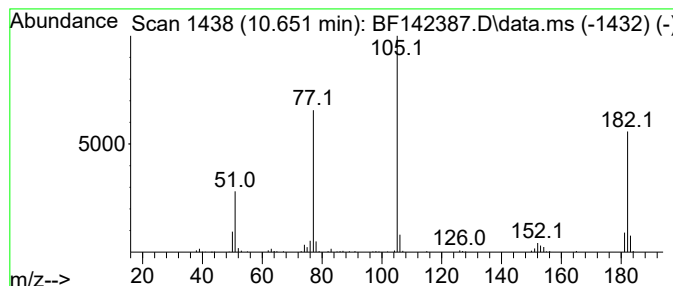
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	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

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 =BF142302.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

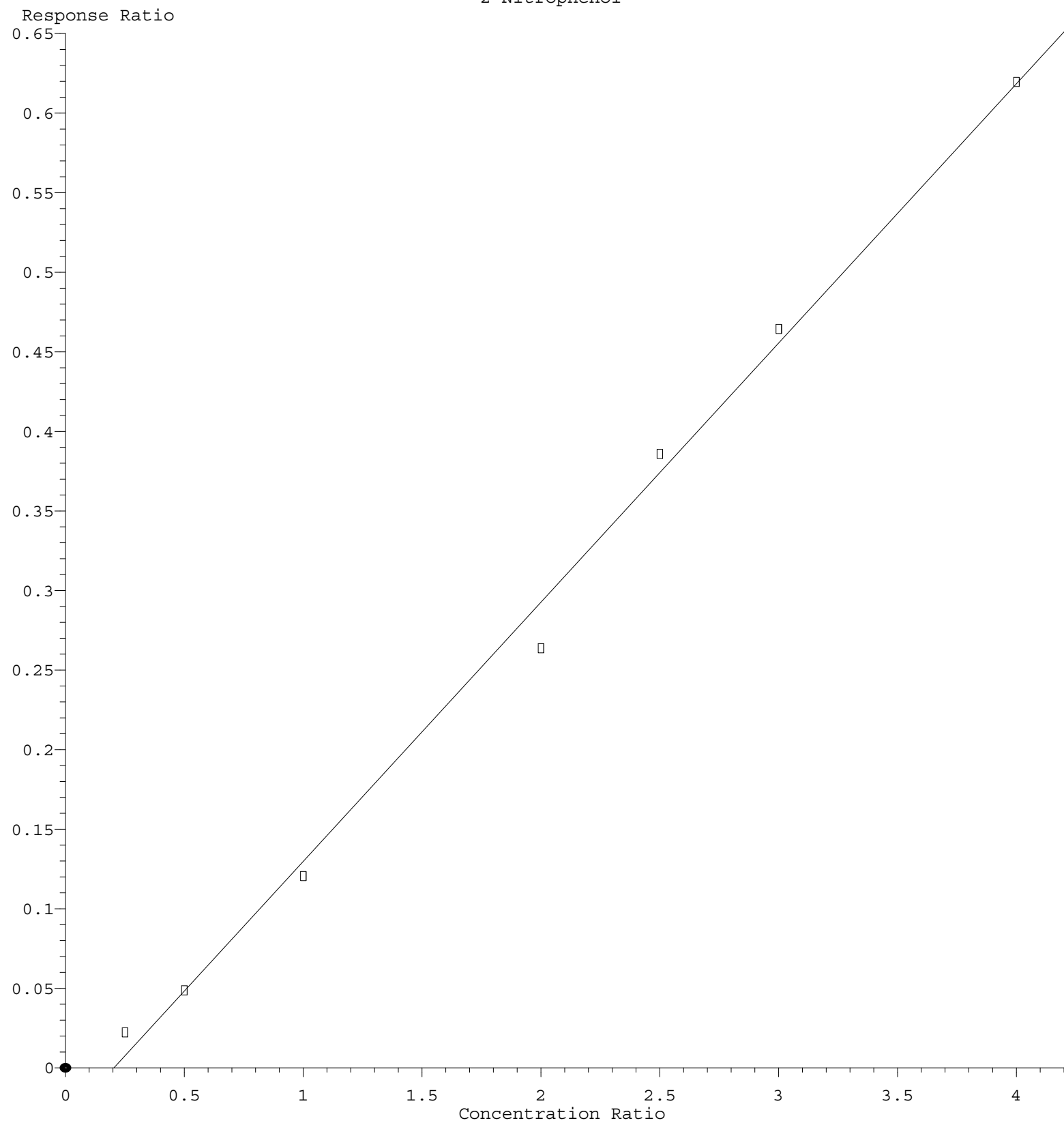
39) I	Acenaphthene-d10	-----ISTD-----									
40)	1,2,4,5-Tetrac...	0.600	0.586	0.586	0.515	0.574	0.538	0.512	0.559	6.51	
41) P	Hexachlorocycl...	0.286	0.303	0.349	0.343	0.388	0.379	0.369	0.345	11.16	
42) S	2,4,6-Tribromo...	0.161	0.176	0.198	0.191	0.218	0.210	0.197	0.193	10.16	
43) C	2,4,6-Trichlor...	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	

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	

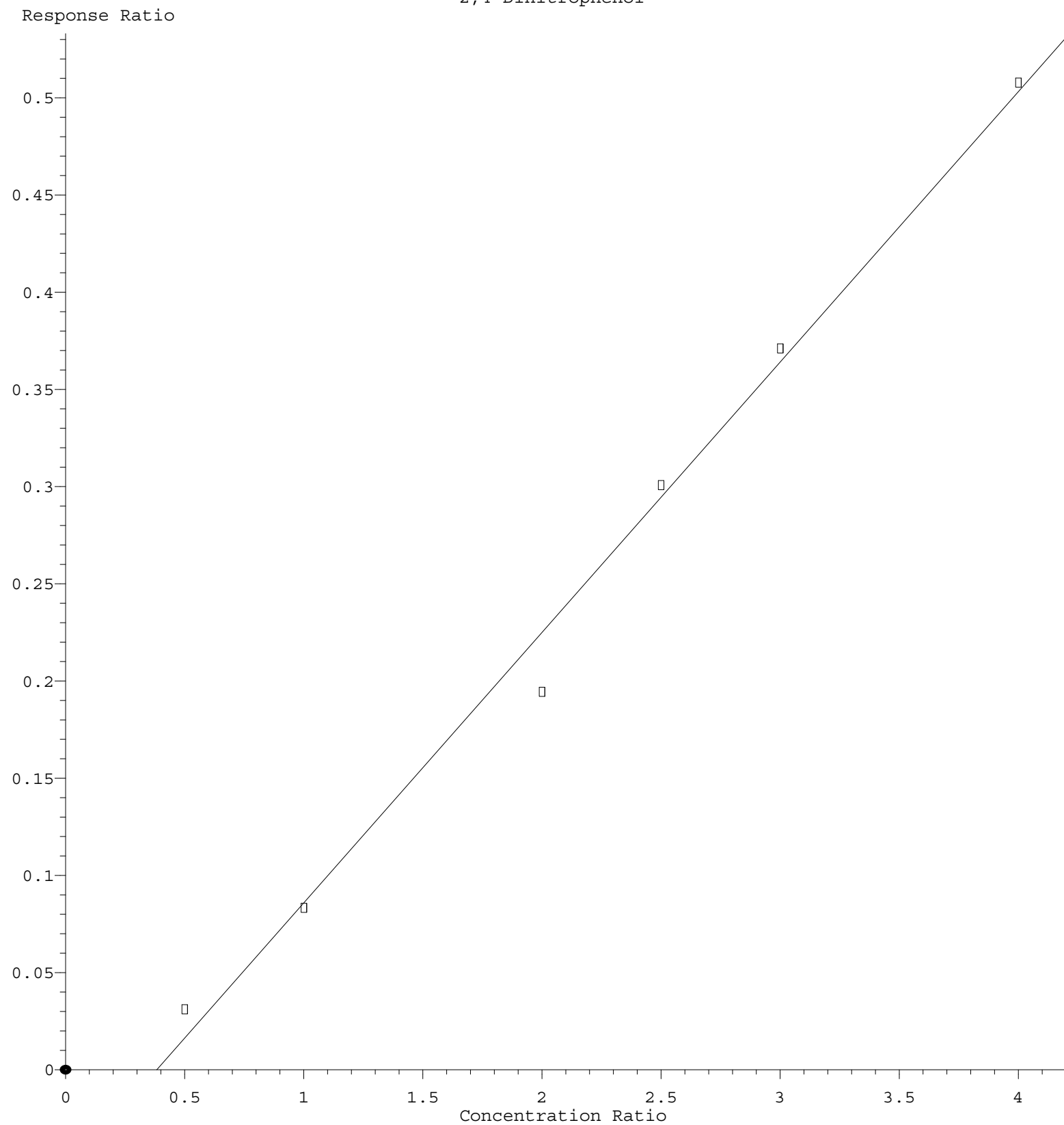
(#) = Out of Range

2-Nitrophenol



Response = $1.629 \times 10^{-1} \times \text{Amt} - 3.329 \times 10^{-2}$
 Coef of Det (r^2) = 0.995567 Curve Fit: Linear
 Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF050525.M
 Calibration Table Last Updated: Mon May 05 18:41:44 2025

2,4-Dinitrophenol



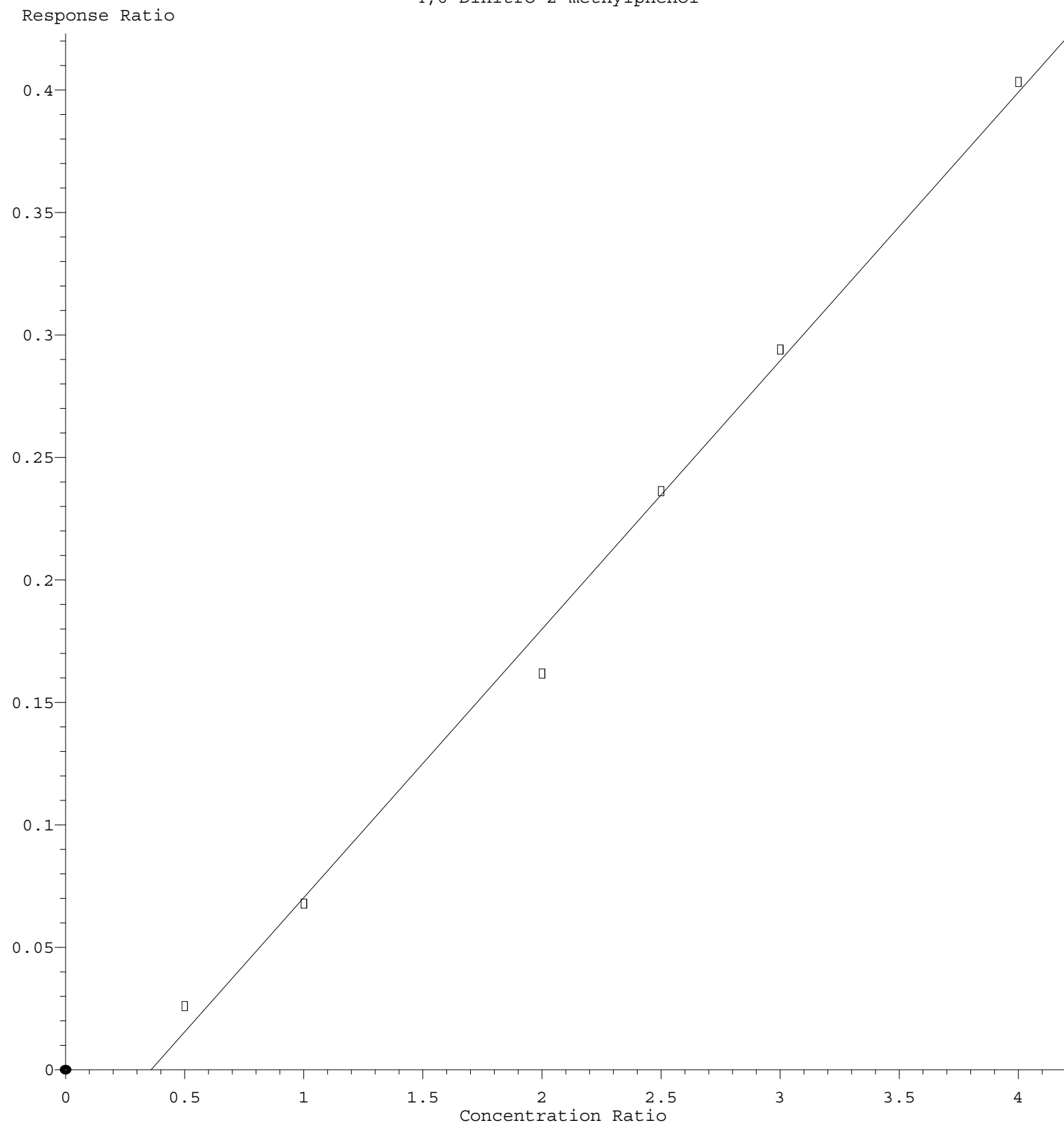
$$\text{Response} = 1.391\text{e-}001 * \text{Amt} - 5.328\text{e-}002$$

Coef of Det (r^2) = 0.992198 Curve Fit: Linear

Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF050525.M

Calibration Table Last Updated: Mon May 05 18:41:44 2025

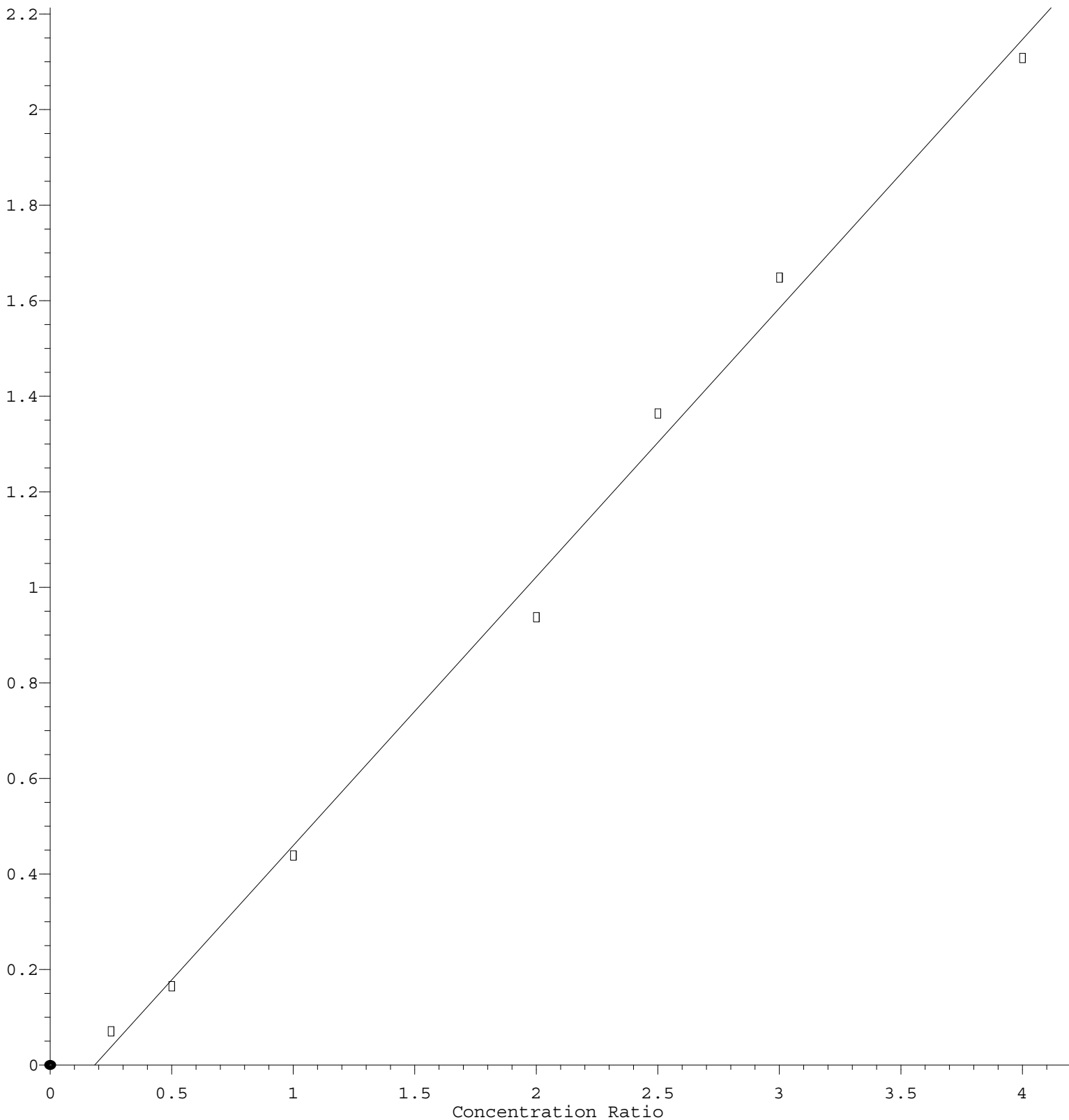
4,6-Dinitro-2-methylphenol



Response = $1.096 \times 10^{-1} \times \text{Amt} - 3.939 \times 10^{-2}$
Coef of Det (r^2) = 0.995176 Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF050525.M
Calibration Table Last Updated: Mon May 05 18:41:44 2025

Butylbenzylphthalate

Response Ratio



$$\text{Response} = 5.624\text{e-}001 * \text{Amt} - 1.029\text{e-}001$$

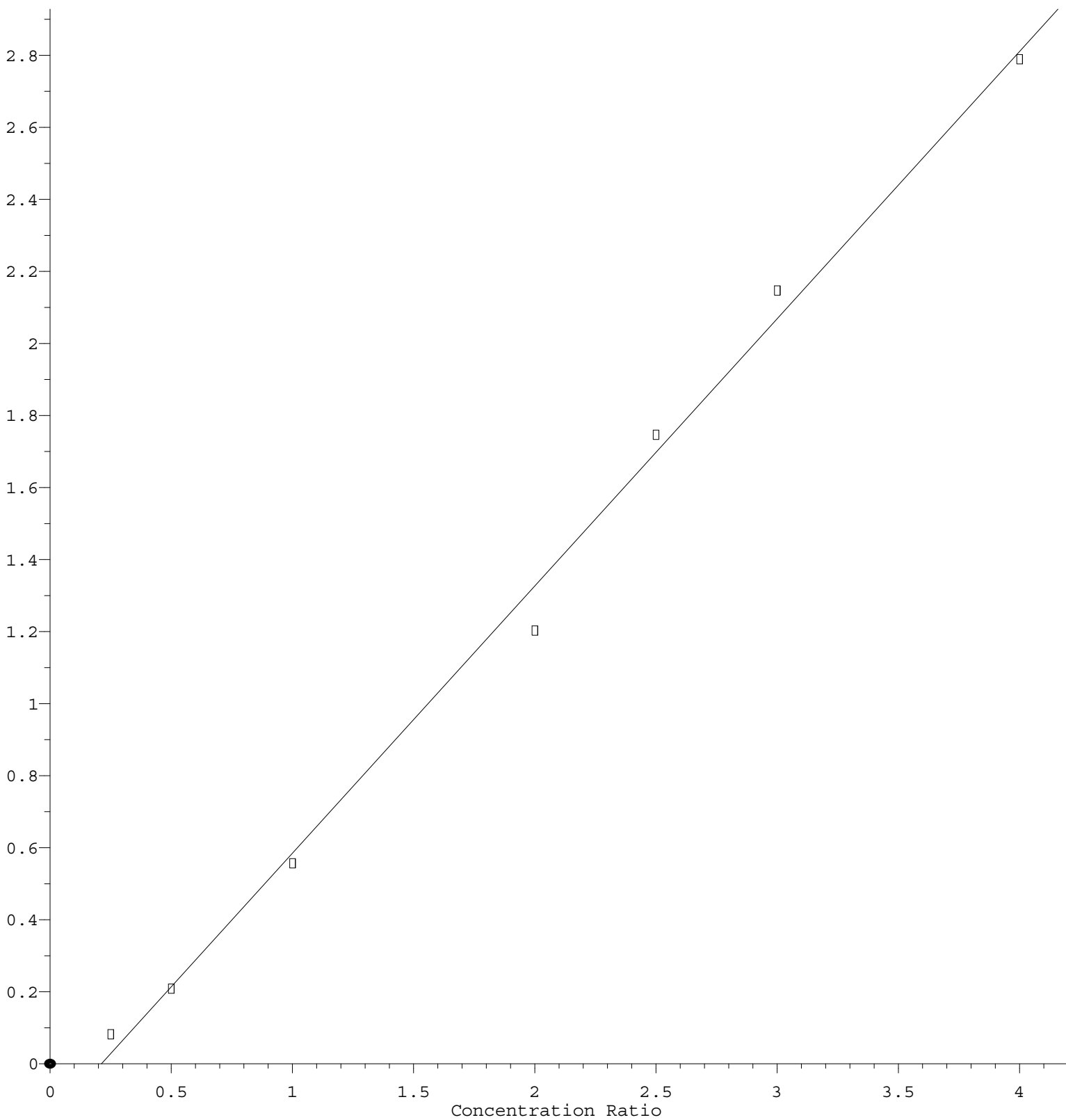
Coef of Det (r^2) = 0.995038 Curve Fit: Linear

Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF050525.M

Calibration Table Last Updated: Mon May 05 18:41:44 2025

Bis(2-ethylhexyl)phthalate

Response Ratio



$$\text{Response} = 7.421\text{e-}001 * \text{Amt} - 1.572\text{e-}001$$

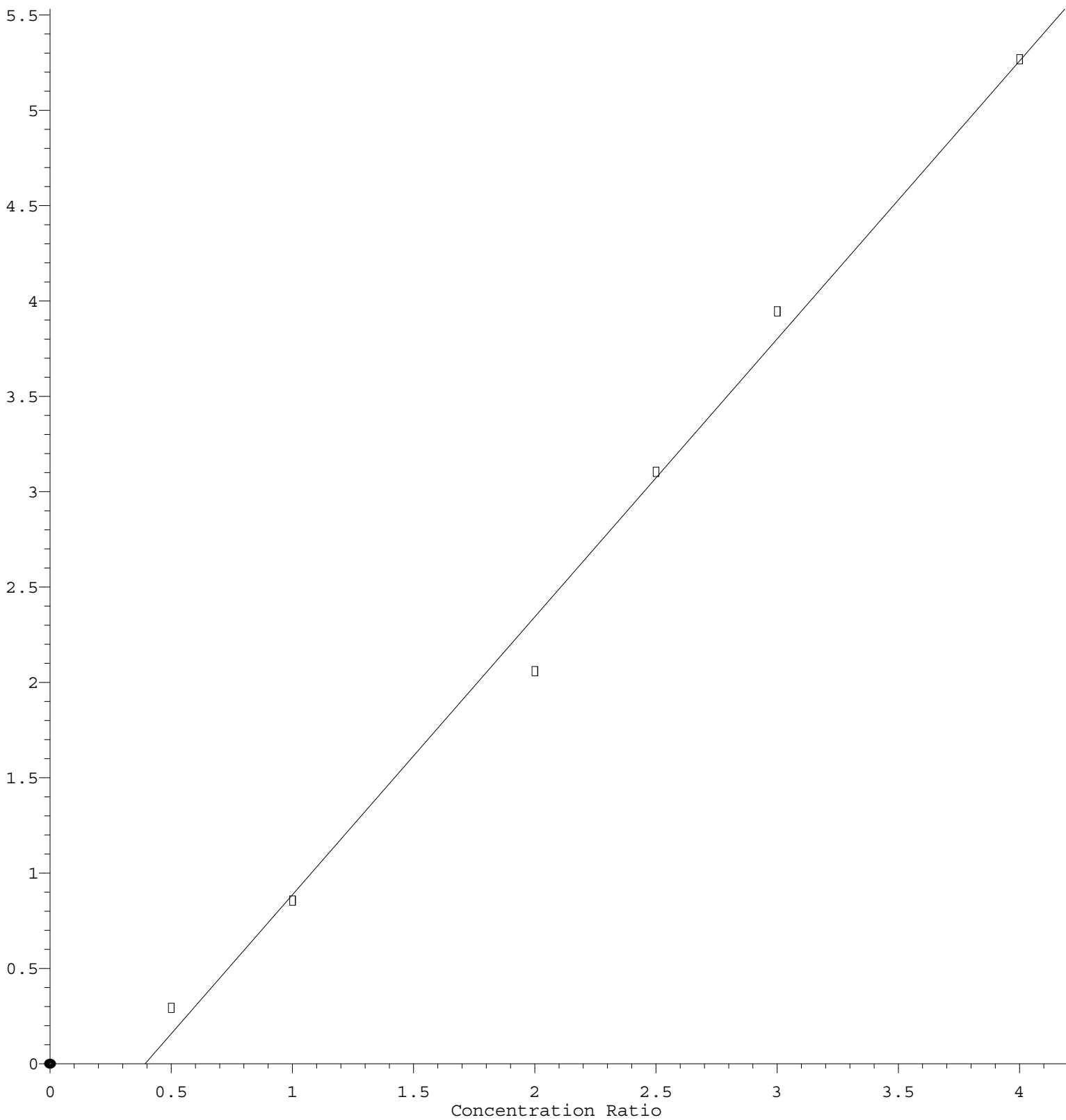
Coef of Det (r^2) = 0.995584 Curve Fit: Linear

Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF050525.M

Calibration Table Last Updated: Mon May 05 18:41:44 2025

Di-n-octyl phthalate

Response Ratio



$$\text{Response} = 1.458 \times 10^0 \times \text{Amt} - 5.715 \times 10^{-1}$$

Coef of Det (r^2) = 0.993132 Curve Fit: Linear

Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF050525.M

Calibration Table Last Updated: Mon May 05 18:41:44 2025

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)

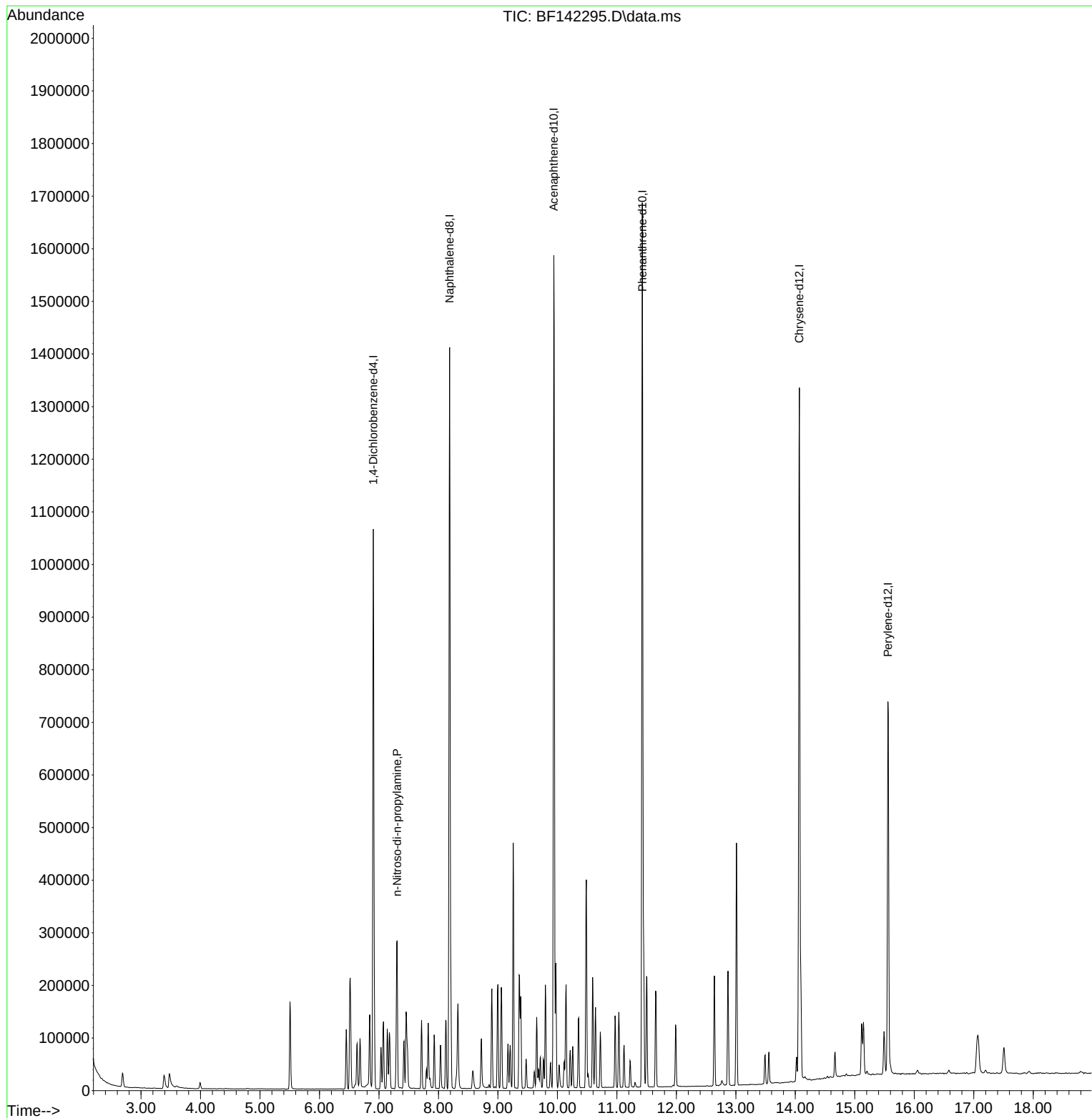
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.904	152	220458	20.000	ng	0.00
21) Naphthalene-d8	8.187	136	851705	20.000	ng	0.00
39) Acenaphthene-d10	9.939	164	461090	20.000	ng	0.00
64) Phenanthrene-d10	11.428	188	826586	20.000	ng	0.00
76) Chrysene-d12	14.069	240	600134	20.000	ng	0.00
86) Perylene-d12	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						
19) n-Nitroso-di-n-propyla...	7.304	70	23149	2.356	ng	Qvalue 93

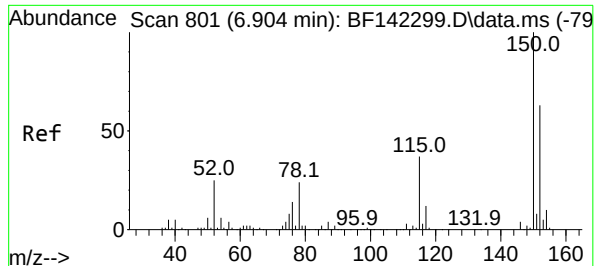
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

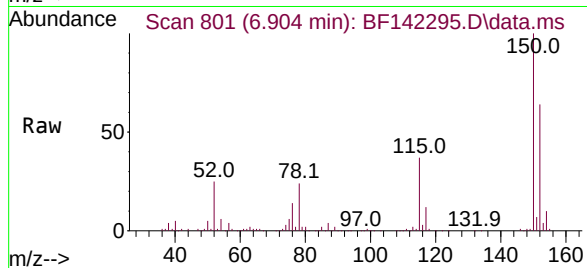
Quant Time: May 05 17:55:56 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 17:44:56 2025
Response via : Initial Calibration



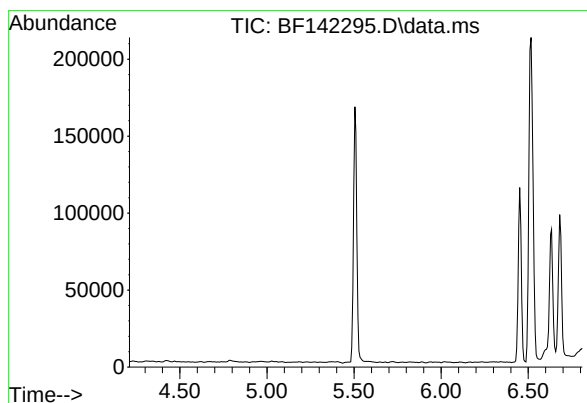
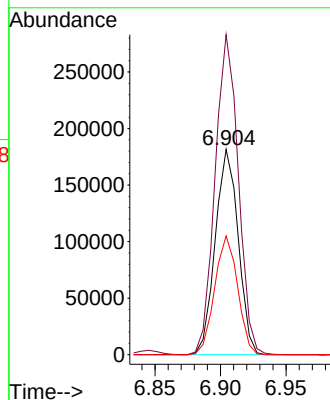
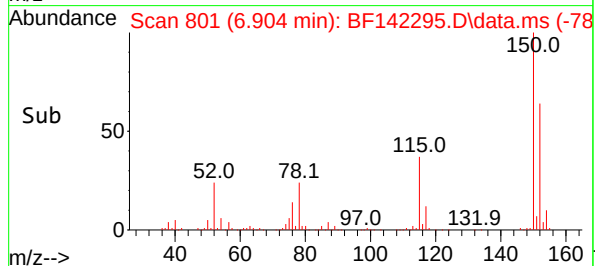


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF142295.D
Acq: 05 May 2025 13:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5



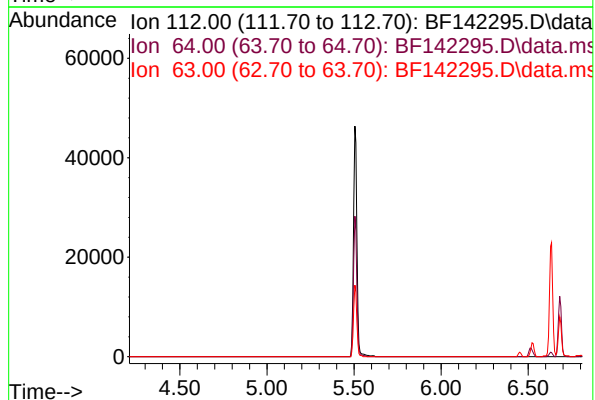
Tgt Ion:152 Resp: 220458
Ion Ratio Lower Upper
152 100
150 155.9 126.6 190.0
115 57.9 47.3 70.9



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

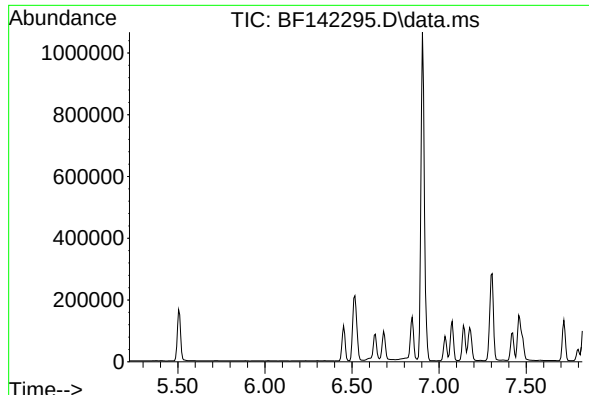
Lab File: BF142295.D
Acq: 05 May 2025 13:54

Tgt Ion: 112
Sig Exp Ratio
112 100
64 61.1
63 32.0



Ion 64.00 (63.70 to 64.70): BF142295.D\data.ms

Ion 63.00 (62.70 to 63.70): BF142295.D\data.ms



#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

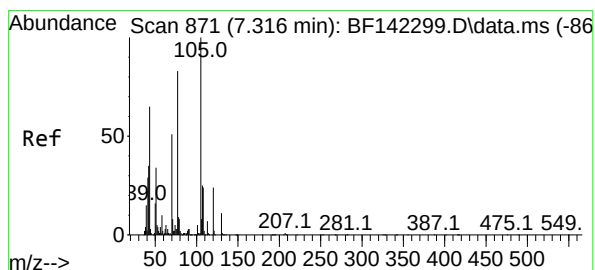
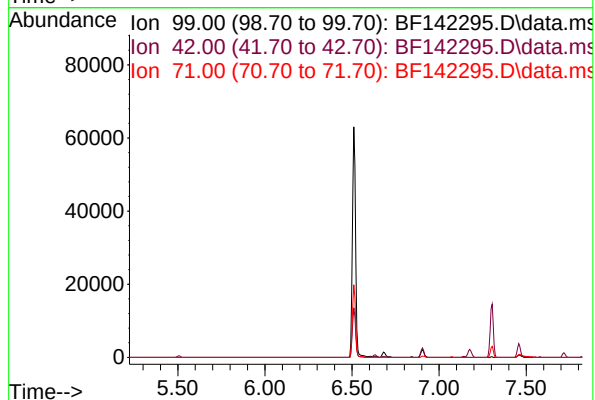
Tgt Ion: 99

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

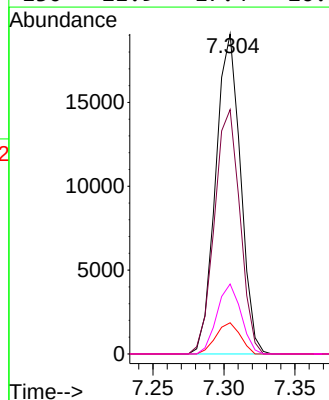
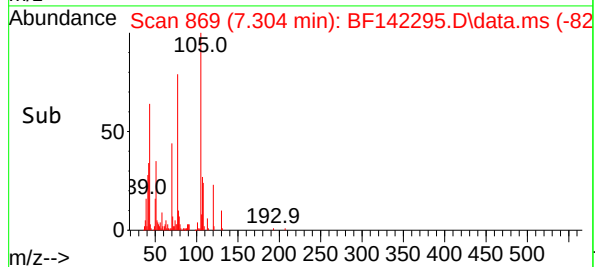
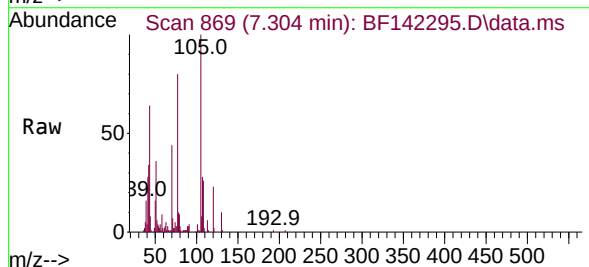
Ion Ratio Lower Upper

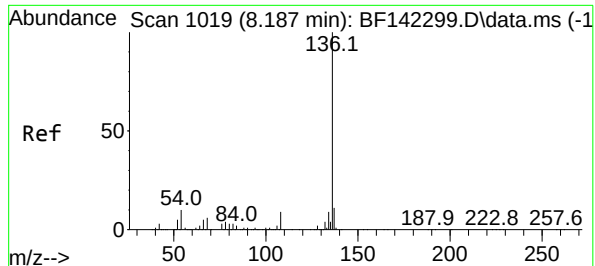
70 100

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

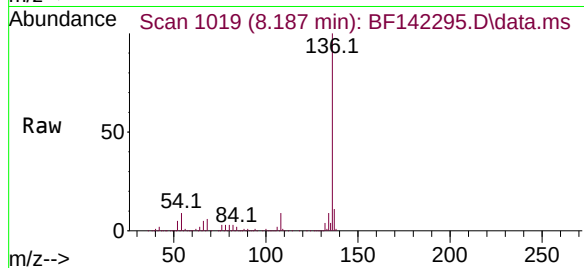
Acq: 05 May 2025 13:54

Instrument :

BNA_F

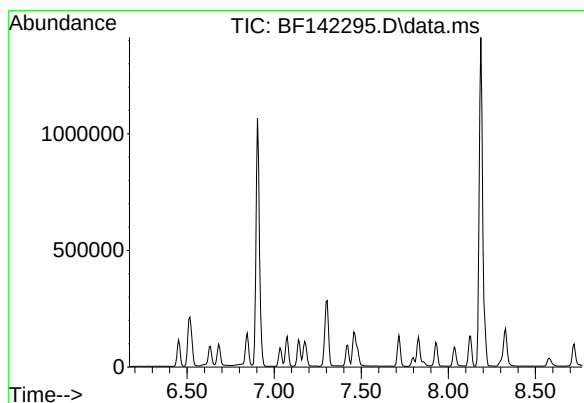
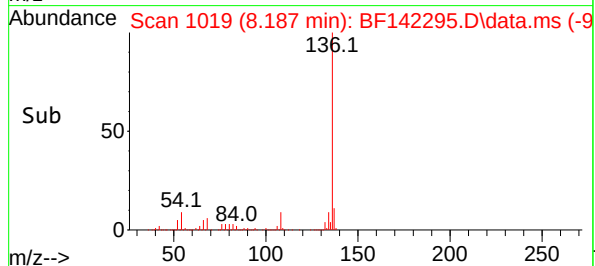
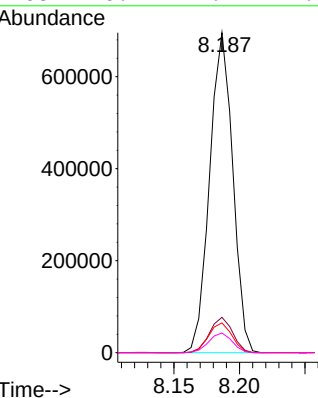
ClientSampleId :

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

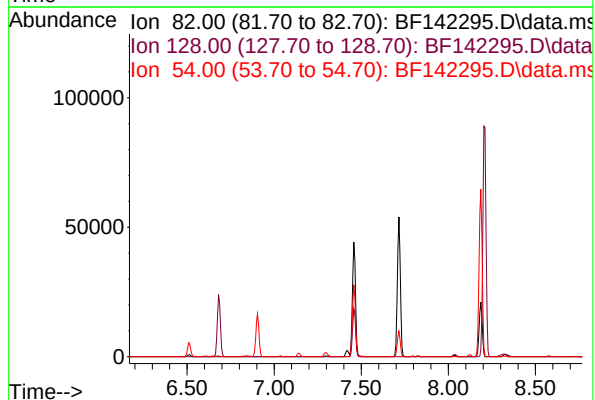
Expected RT: 7.47 min

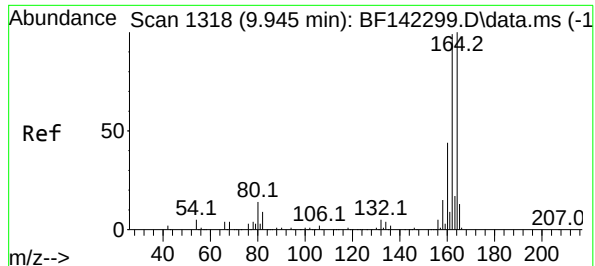
Lab File: BF142295.D

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

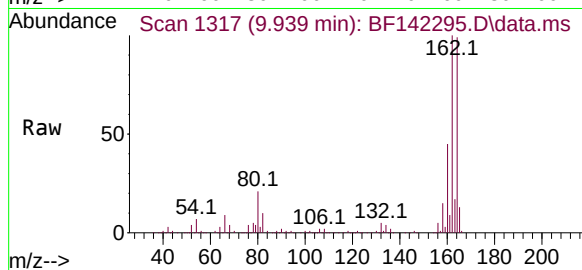
Acq: 05 May 2025 13:54

Instrument :

BNA_F

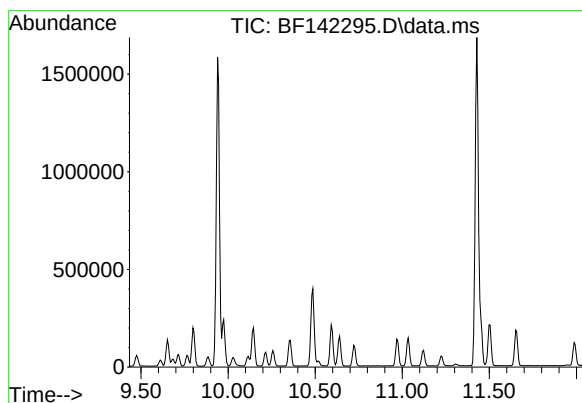
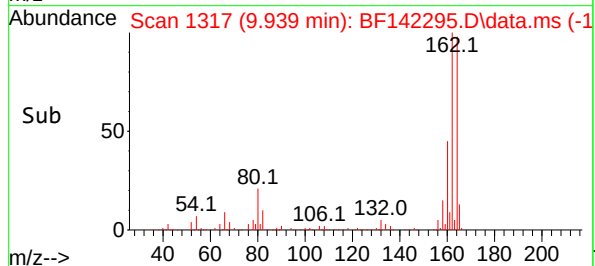
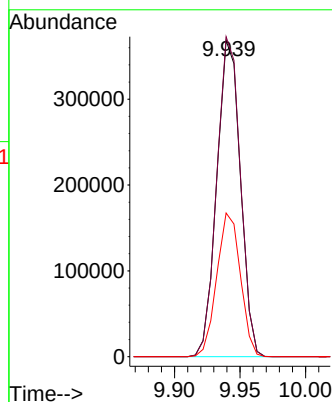
ClientSampleId :

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

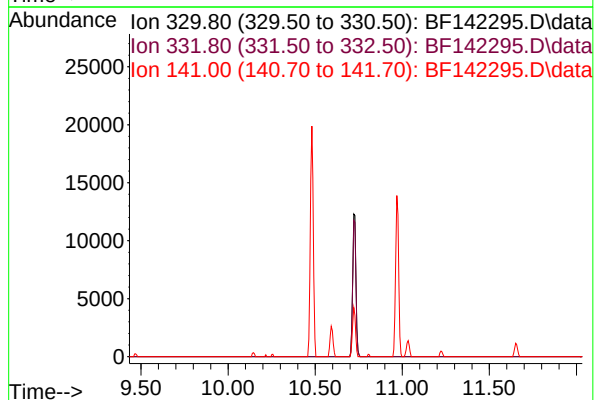
Expected RT: 10.73 min

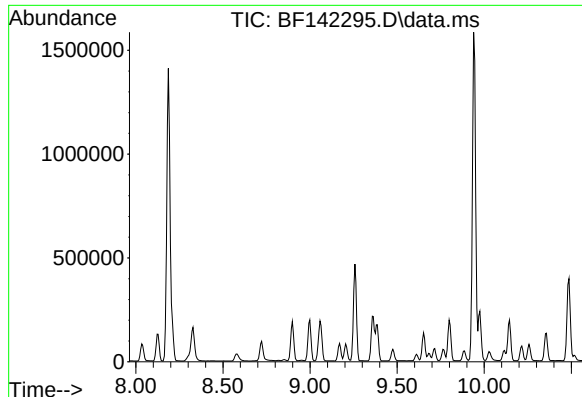
Lab File: BF142295.D

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

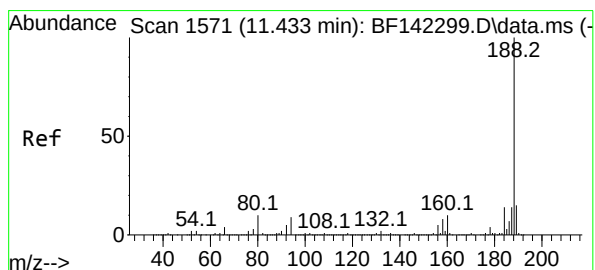
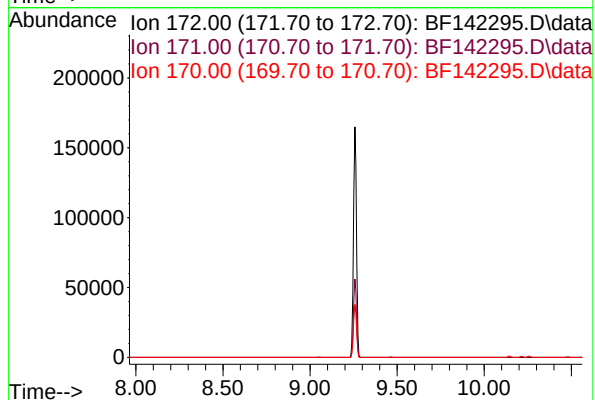
Tgt Ion: 172

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

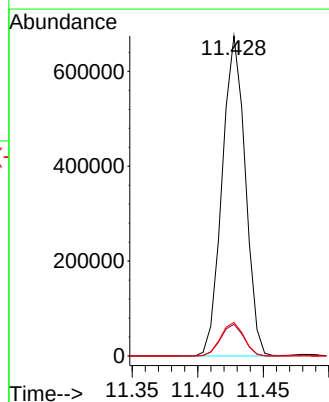
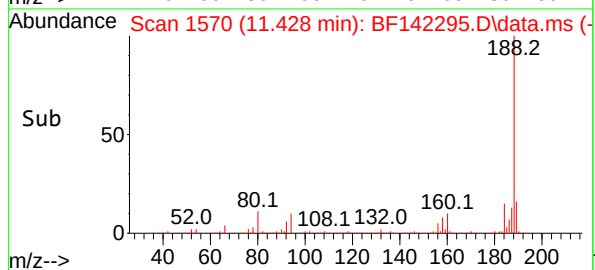
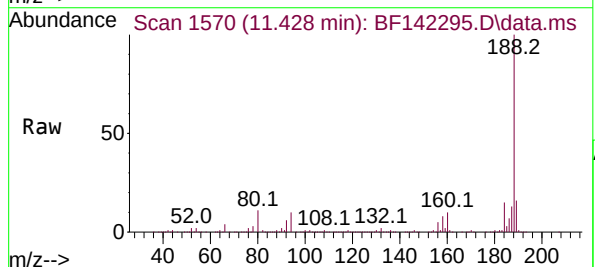
Tgt Ion: 188 Resp: 826586

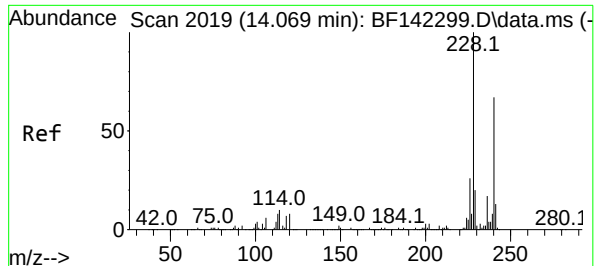
Ion Ratio Lower Upper

188 100

94 9.9 7.5 11.3

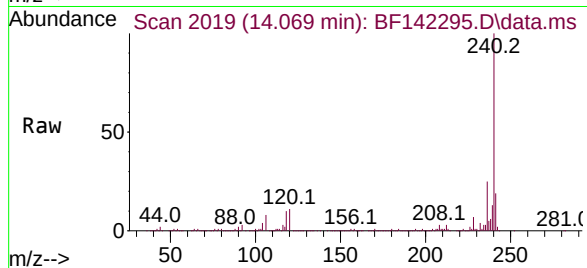
80 10.5 7.9 11.9



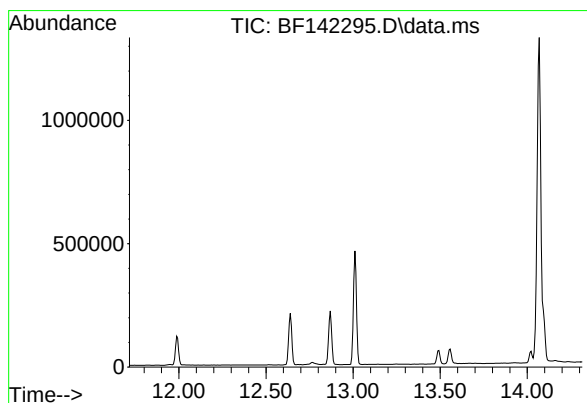
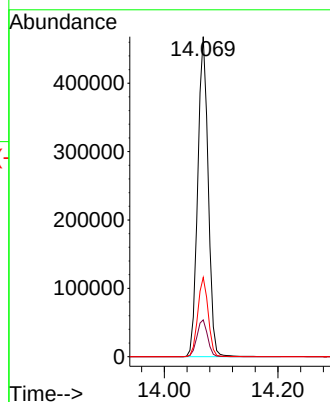
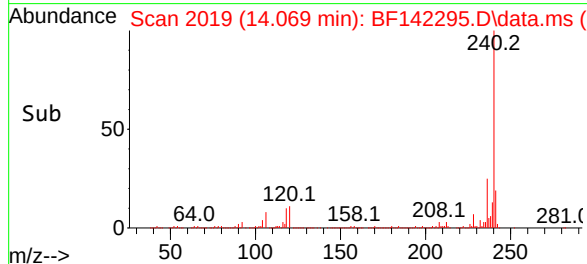


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF142295.D
Acq: 05 May 2025 13:54

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5



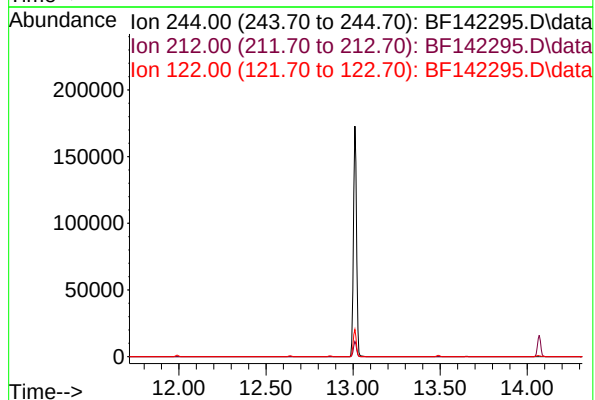
Tgt Ion:240 Resp: 600134
Ion Ratio Lower Upper
240 100
120 11.5 9.7 14.5
236 24.7 20.0 30.0



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

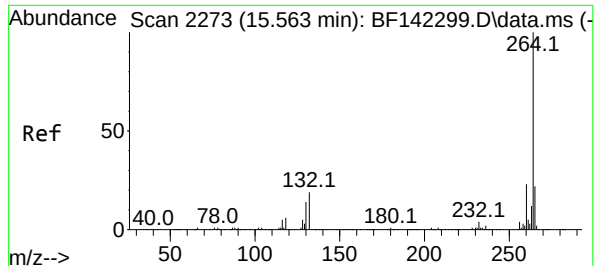
Lab File: BF142295.D
Acq: 05 May 2025 13:54

Tgt Ion: 244
Sig Exp Ratio
244 100
212 6.8
122 11.2



Ion 212.00 (211.70 to 212.70): BF142295.D\data

Ion 122.00 (121.70 to 122.70): BF142295.D\data



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.557 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF142295.D

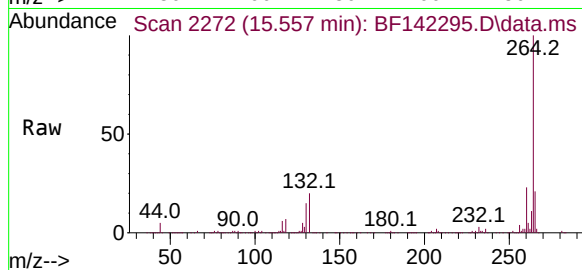
Acq: 05 May 2025 13:54

Instrument :

BNA_F

ClientSampleId :

SSTDICC2.5



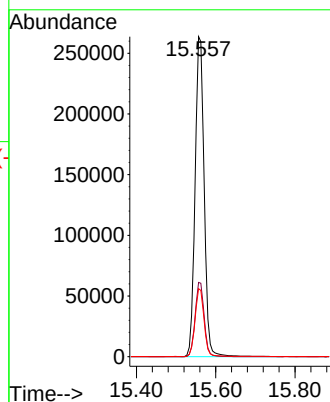
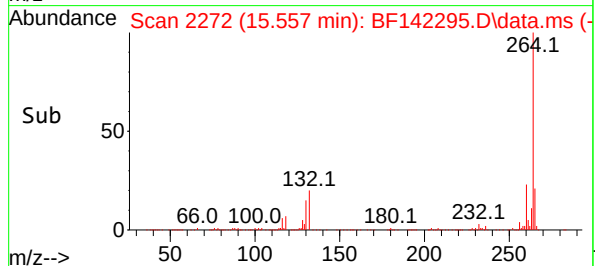
Tgt Ion:264 Resp: 417952

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

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

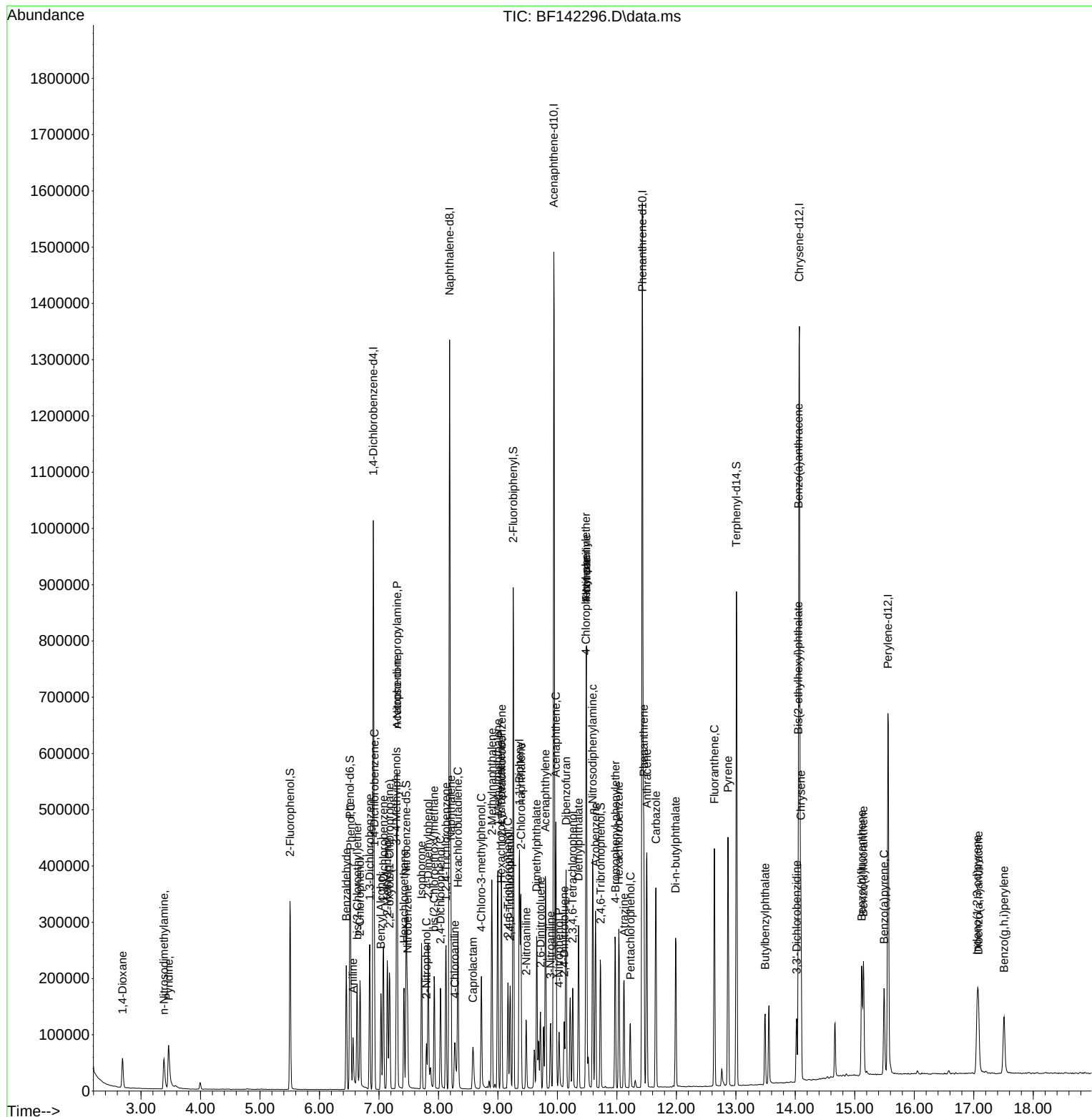
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.363	154	189666	5.631	ng	98
47) 2-Chloronaphthalene	9.386	162	137929	5.506	ng	98
48) 2-Nitroaniline	9.475	65	22539	3.510	ng	95
49) Acenaphthylene	9.798	152	228773	5.460	ng	99
50) Dimethylphthalate	9.651	163	146916	5.208	ng	99
51) 2,6-Dinitrotoluene	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

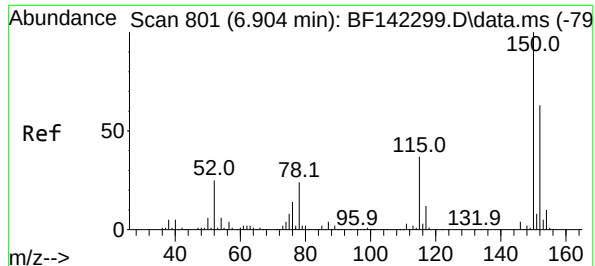
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Manual Integrations

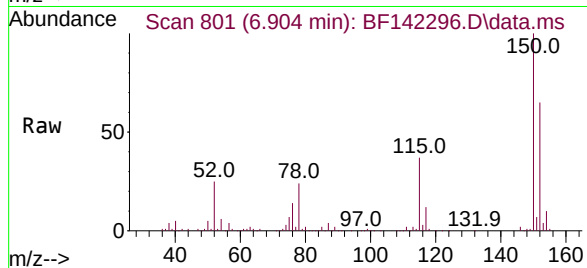
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

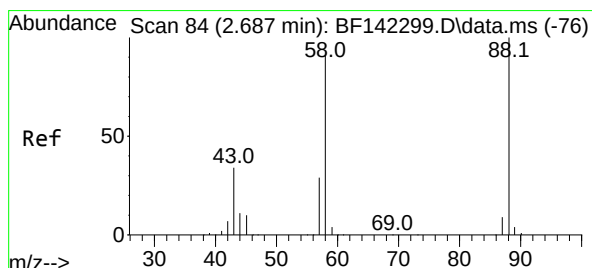
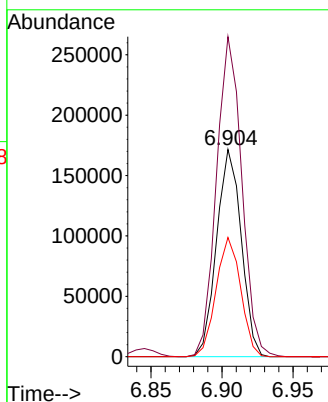
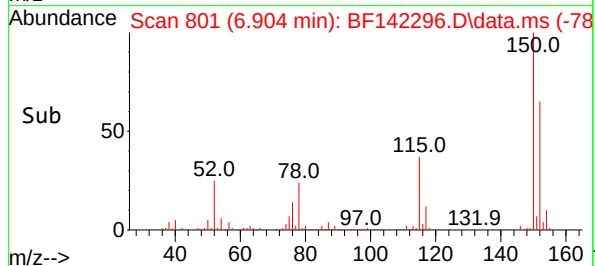
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:152 Resp: 20717
Ion Ratio Lower Upper
152 100
150 154.5 126.6 190.0
115 57.6 47.3 70.9

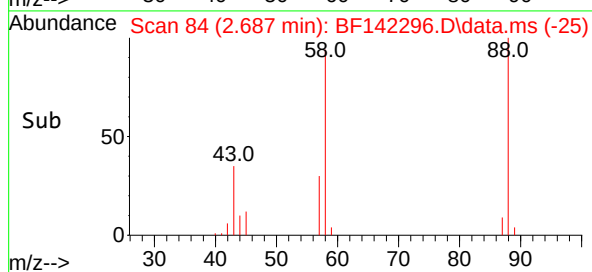
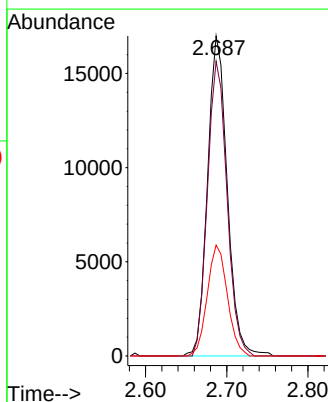
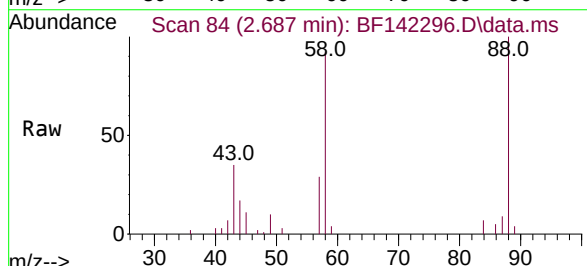
Manual Integrations
APPROVED

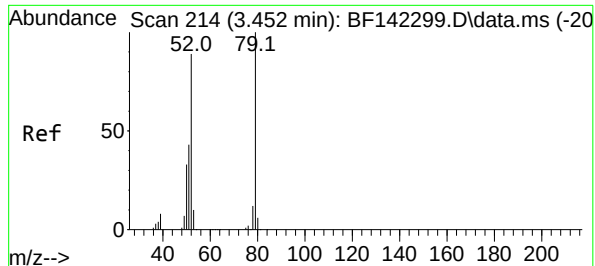
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion: 79 Resp: 6000

Ion Ratio Lower Upper

79 100

52 91.1 71.0 106.4

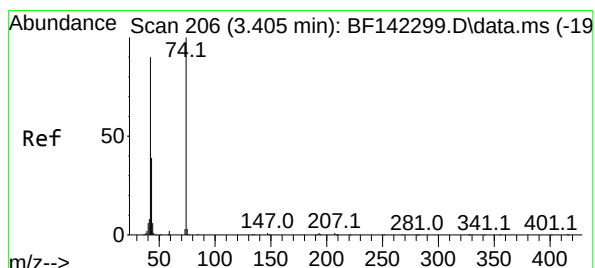
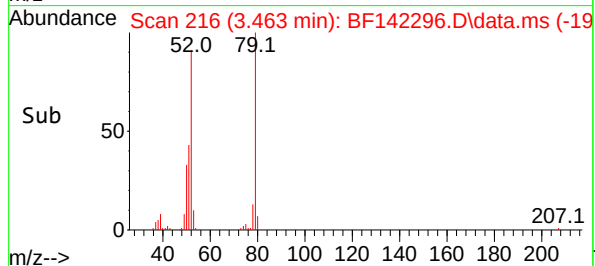
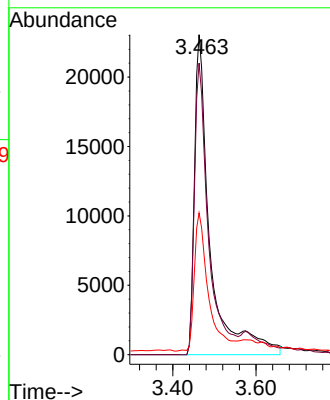
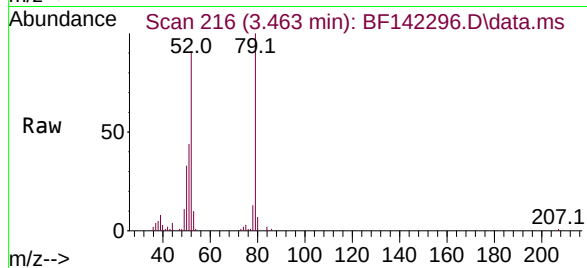
51 44.3 34.9 52.3

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

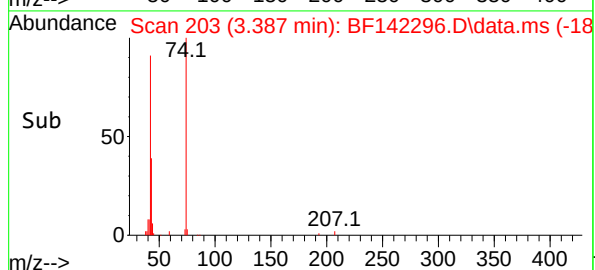
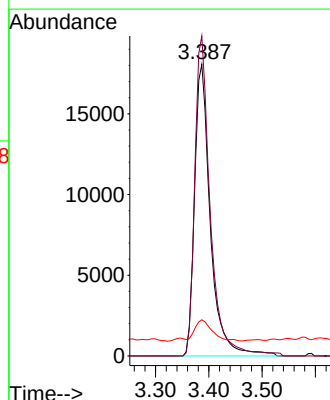
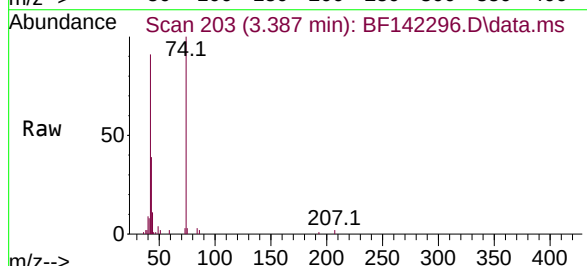
Tgt Ion: 42 Resp: 37175

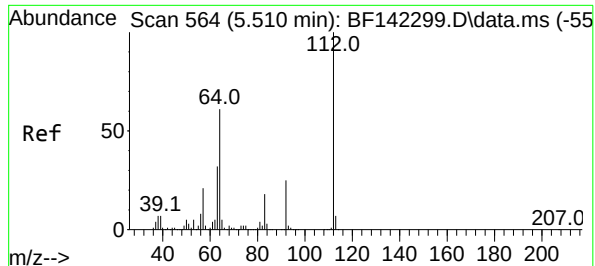
Ion Ratio Lower Upper

42 100

74 109.7 88.5 132.7

44 12.4 5.8 8.8#





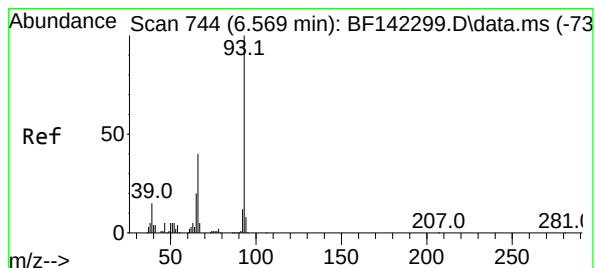
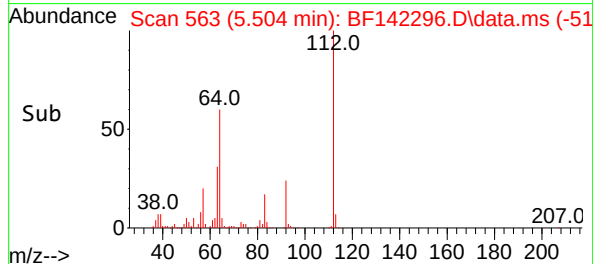
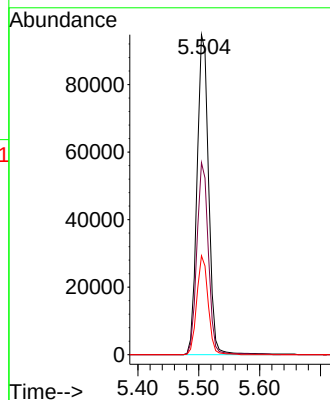
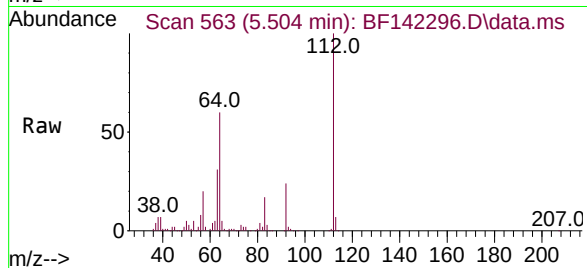
#5
2-Fluorophenol
Concen: 10.347 ng
RT: 5.504 min Scan# 50
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

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

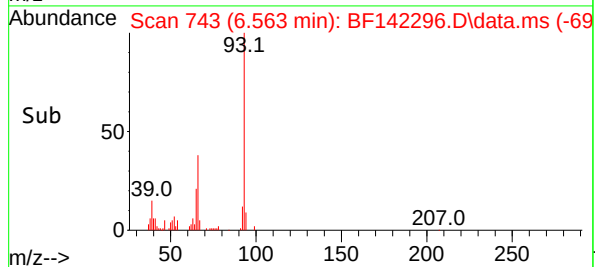
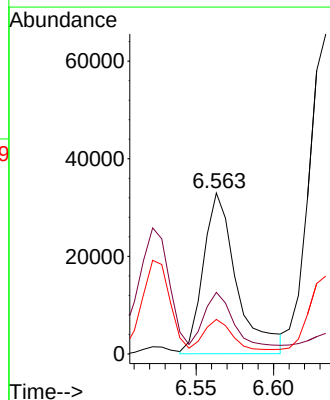
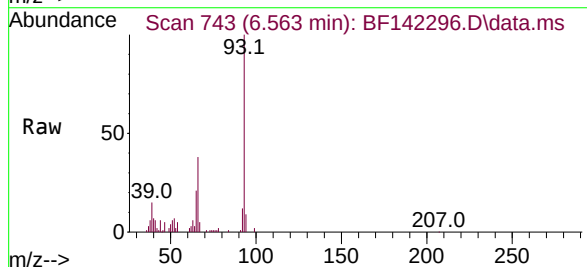
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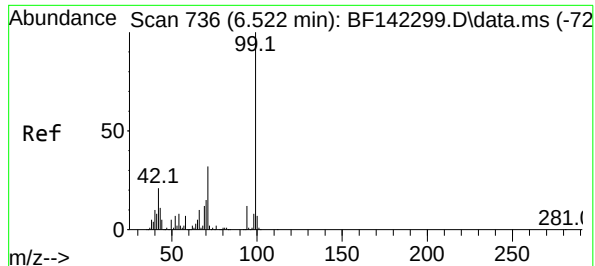
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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# 71

Delta R.T. -0.012 min

Lab File: BF142296.D

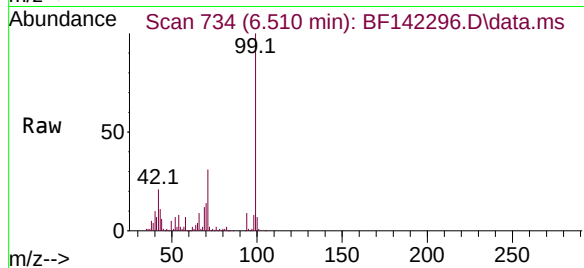
Acq: 05 May 2025 14:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC005



Tgt Ion: 99 Resp: 15641

Ion Ratio Lower Upper

99 100

42 21.1 17.0 25.4

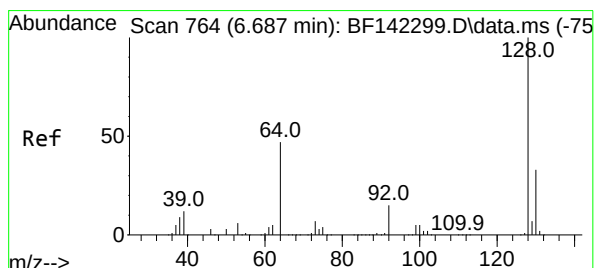
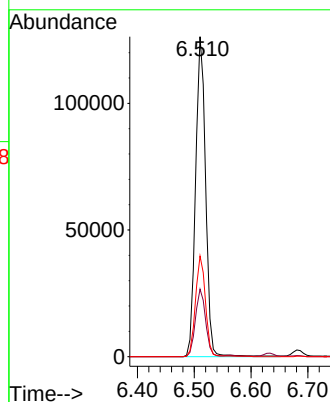
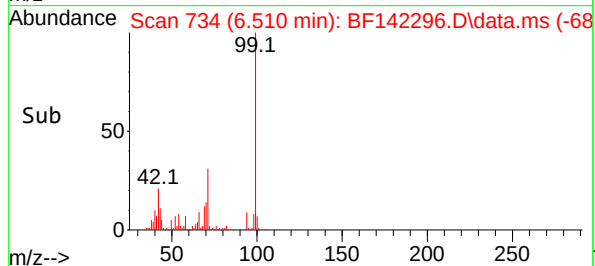
71 31.4 25.8 38.8

Manual Integrations

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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

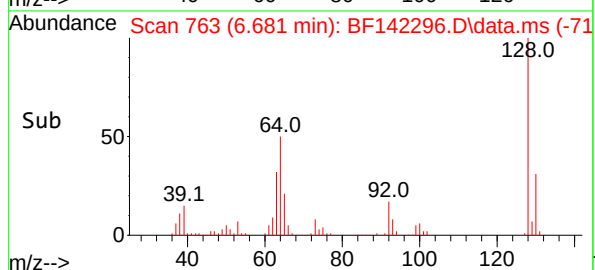
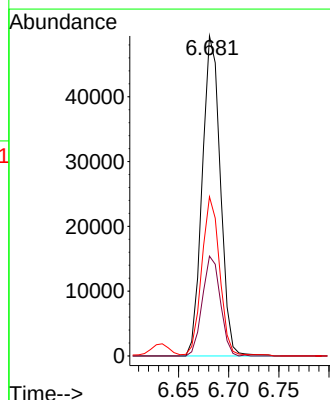
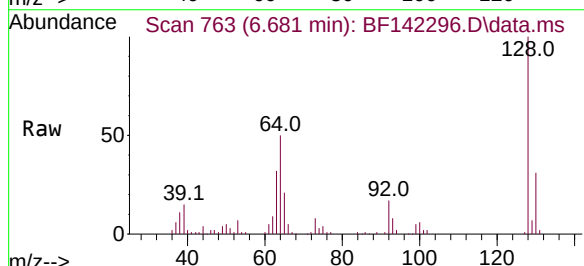
Tgt Ion:128 Resp: 62258

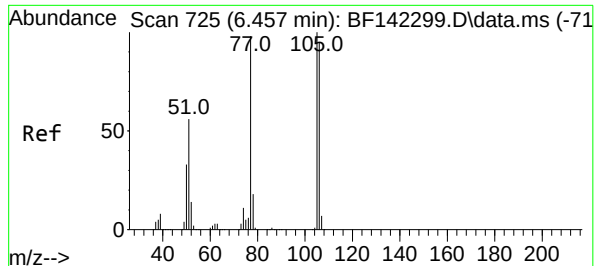
Ion Ratio Lower Upper

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# 711

Delta R.T. -0.006 min

Lab File: BF142296.D

Acq: 05 May 2025 14:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

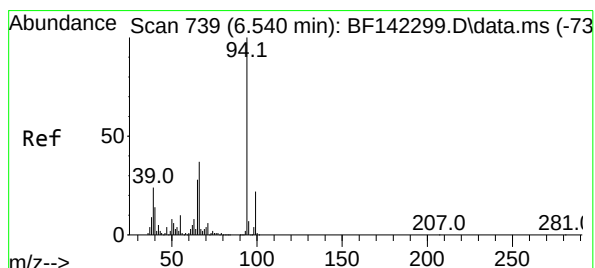
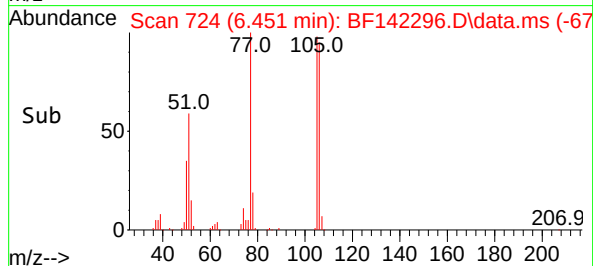
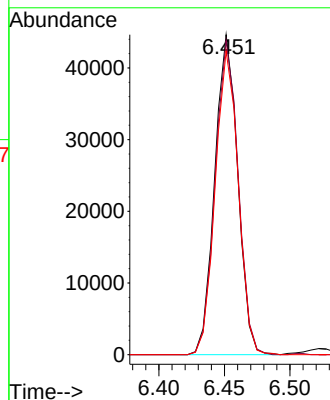
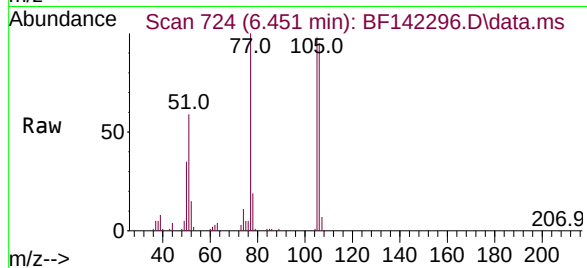
Tgt Ion:	77	Resp:	5431
Ion	Ratio	Lower	Upper
77	100		
105	98.1	82.0	122.0
106	94.9	77.2	117.2

Manual Integrations

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Reviewed By :Rahul Chavli 05/06/2025

Supervised By :Jagrut Upadhyay 05/06/2025



#10

Phenol

Concen: 5.234 ng

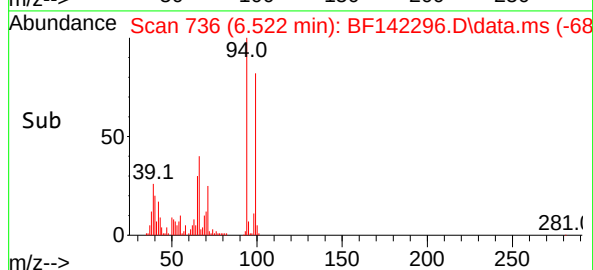
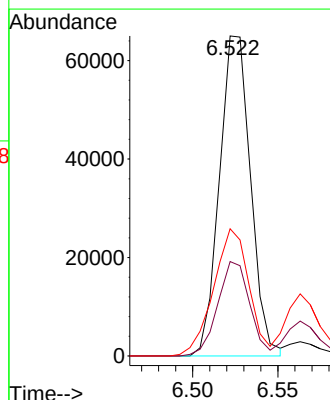
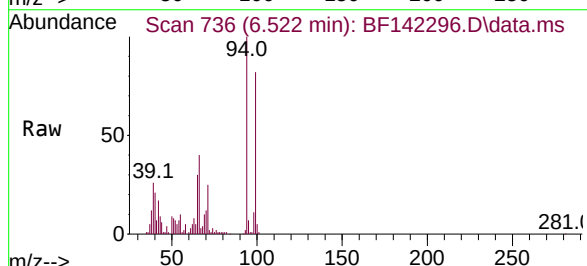
RT: 6.522 min Scan# 736

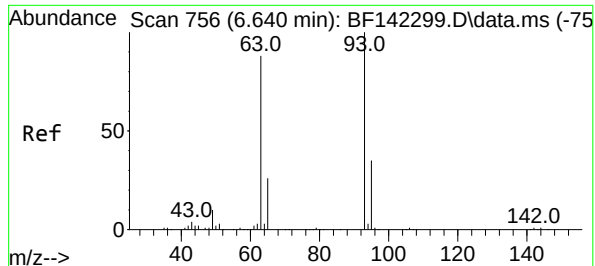
Delta R.T. -0.018 min

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





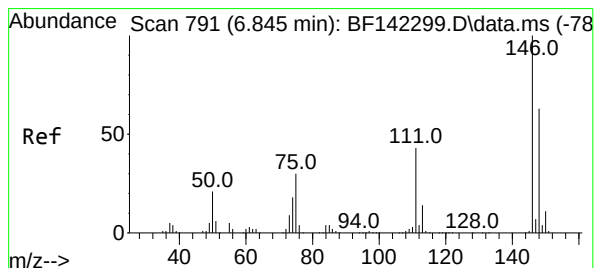
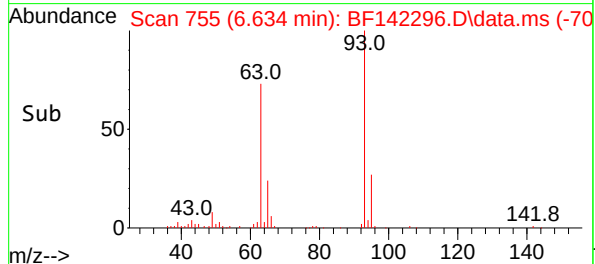
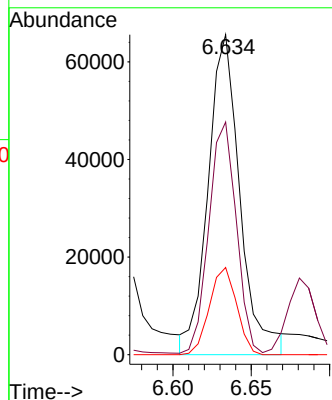
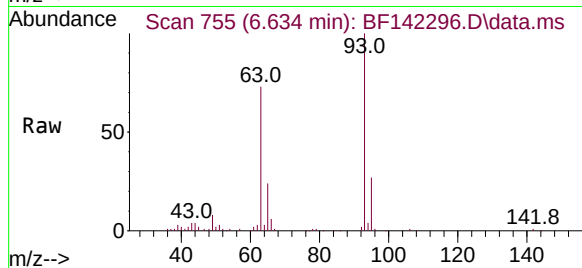
#11
bis(2-Chloroethyl)ether
Concen: 5.940 ng m
RT: 6.634 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 93 Resp: 92675
Ion Ratio Lower Upper
93 100
63 72.7 58.4 98.4
95 27.2 10.6 50.6

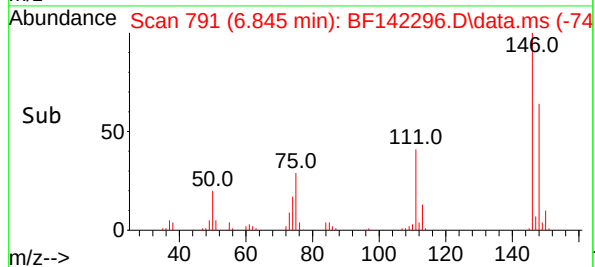
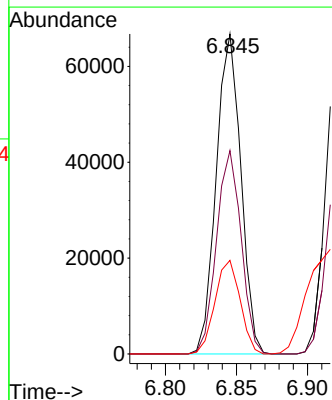
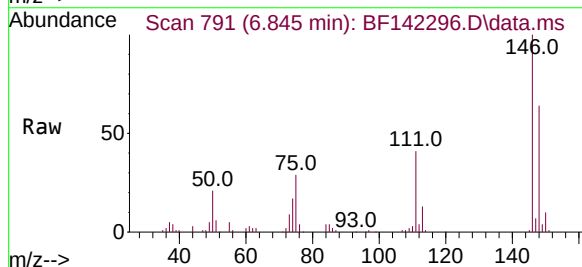
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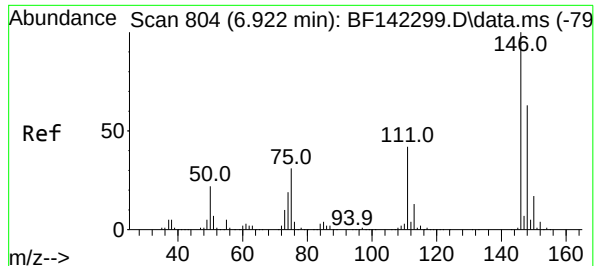
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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# 804

Delta R.T. -0.000 min

Lab File: BF142296.D

Acq: 05 May 2025 14:23

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

Tgt Ion:146 Resp: 80900

Ion Ratio Lower Upper

146 100

148 61.4 50.5 75.7

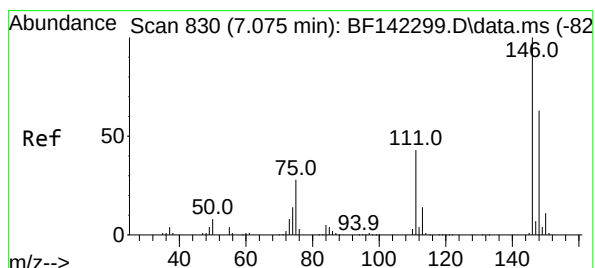
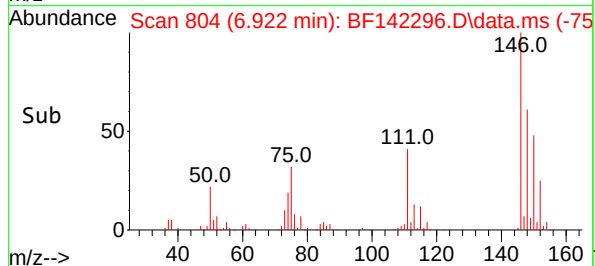
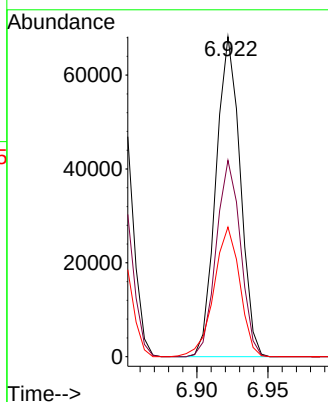
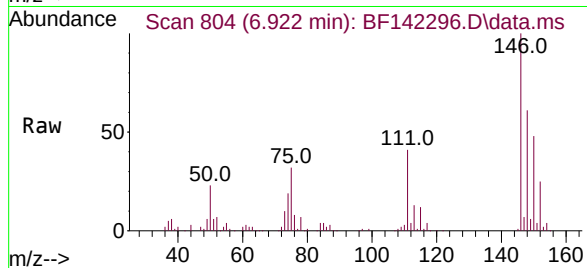
111 40.5 33.4 50.2

Manual Integrations

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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

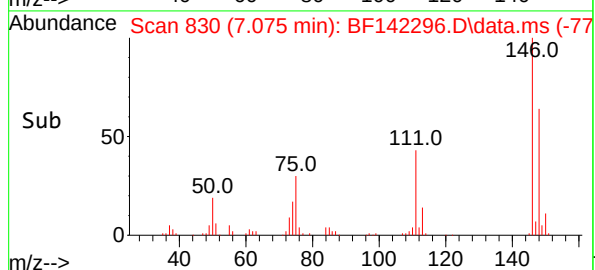
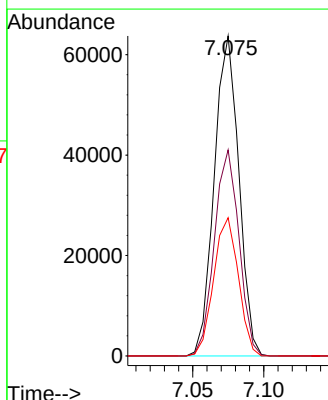
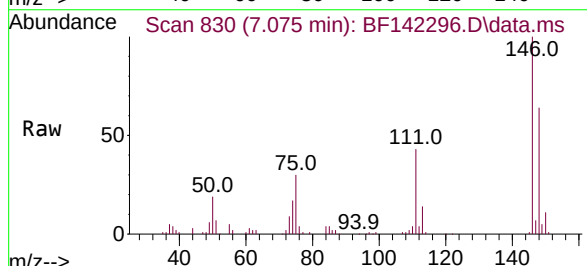
Tgt Ion:146 Resp: 76655

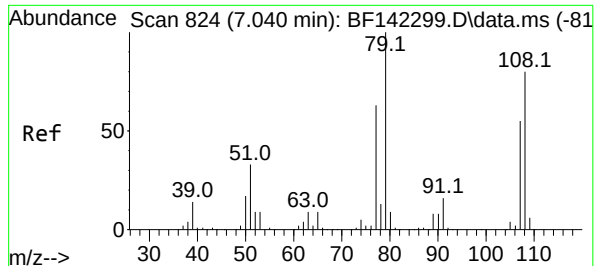
Ion Ratio Lower Upper

146 100

148 64.4 50.3 75.5

111 43.2 34.5 51.7





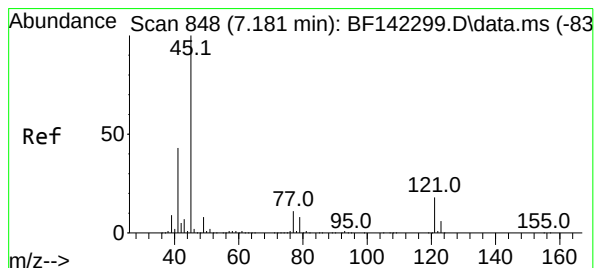
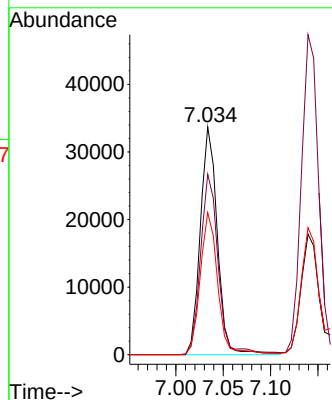
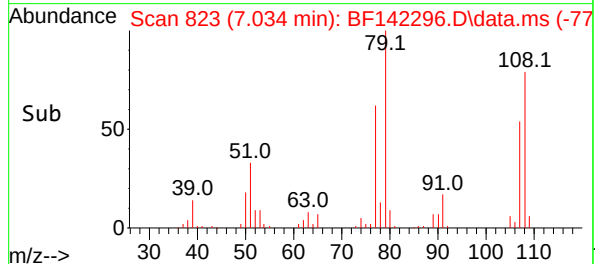
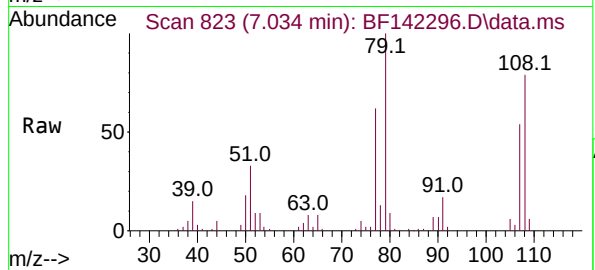
#15
Benzyl Alcohol
Concen: 4.374 ng
RT: 7.034 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

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

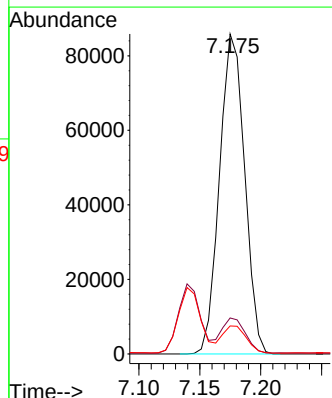
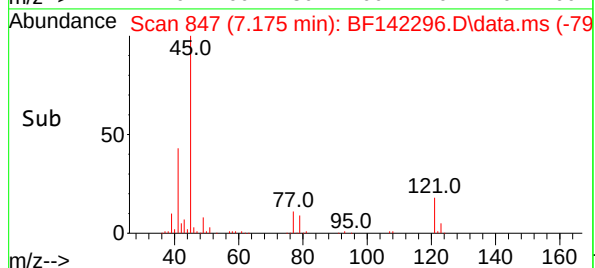
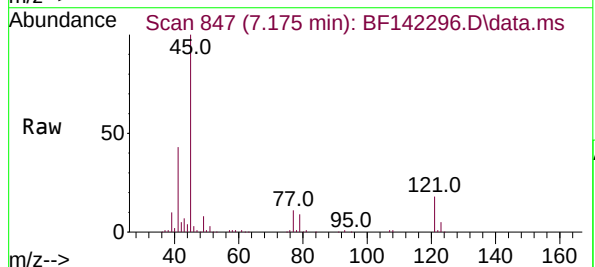
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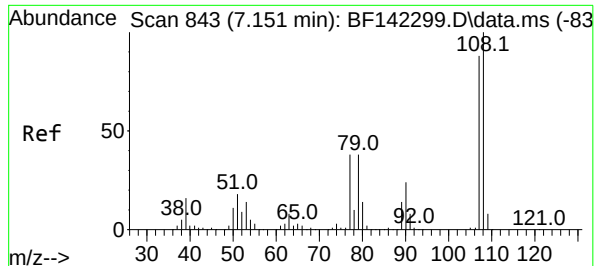
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

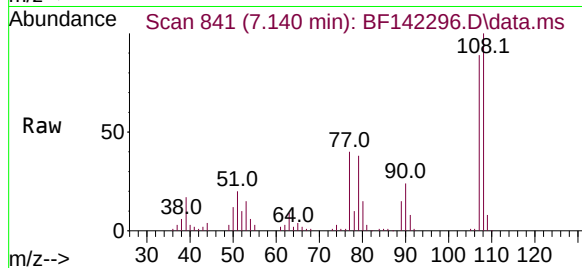
Tgt Ion: 45 Resp: 123229
Ion Ratio Lower Upper
45 100
77 11.3 0.0 31.2
79 8.8 0.0 28.5





#17
2-Methylphenol
Concen: 5.094 ng
RT: 7.140 min Scan# 843
Delta R.T. -0.012 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

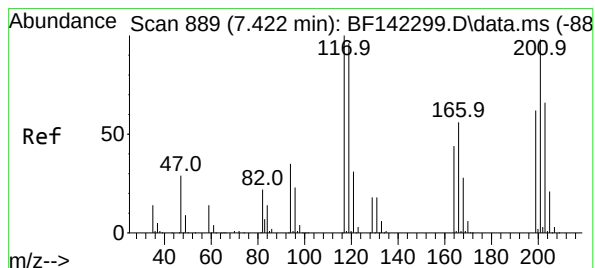
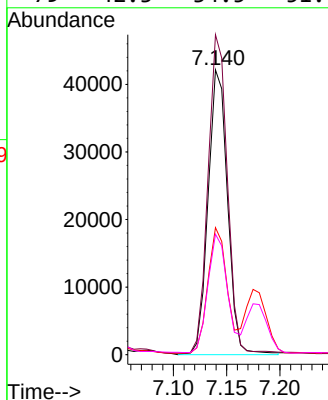
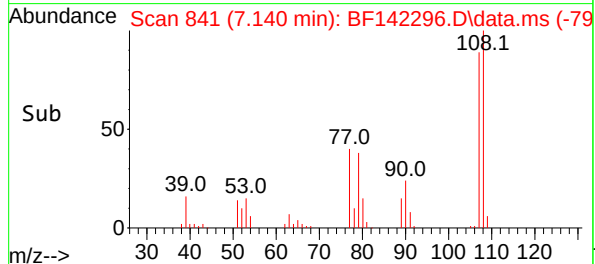
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



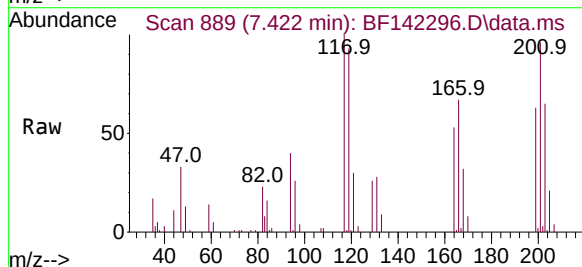
Tgt Ion:107 Resp: 5348
Ion Ratio Lower Upper
107 100
108 112.3 91.1 136.7
77 44.6 34.7 52.1
79 42.3 34.5 51.7

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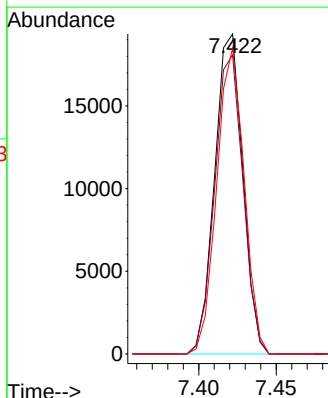
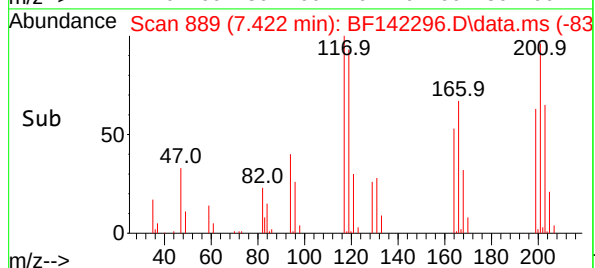
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

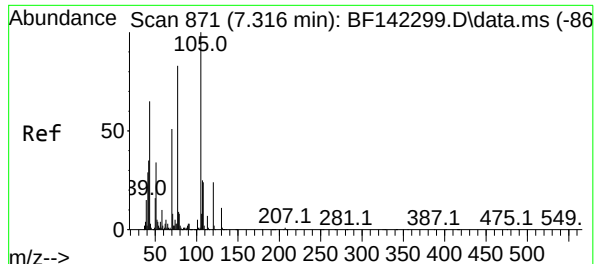


#18
Hexachloroethane
Concen: 4.938 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.000 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23



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# 869

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: 4884

Ion Ratio Lower Upper

70 100

42 71.2 54.8 82.2

101 9.6 7.7 11.5

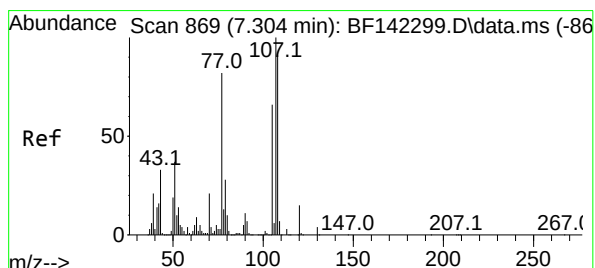
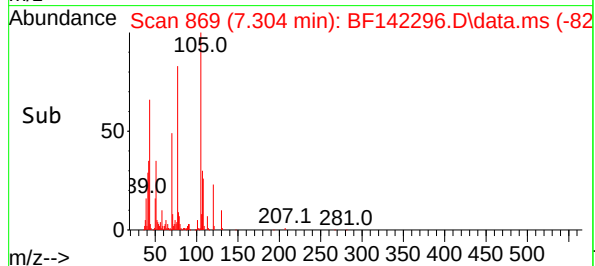
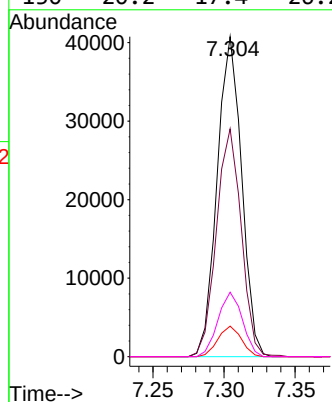
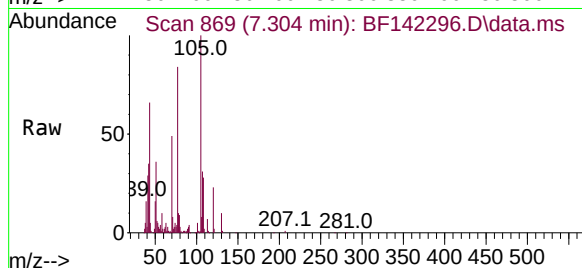
130 20.2 17.4 26.2

Manual Integrations

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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

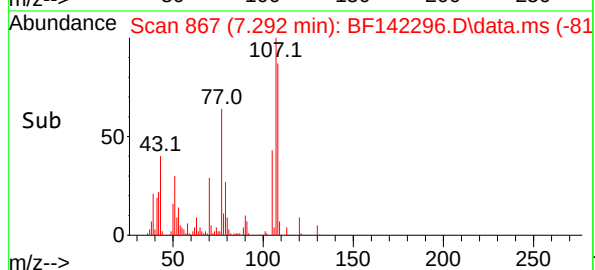
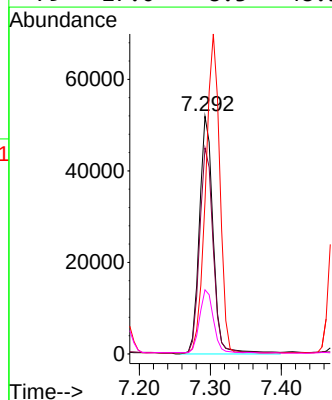
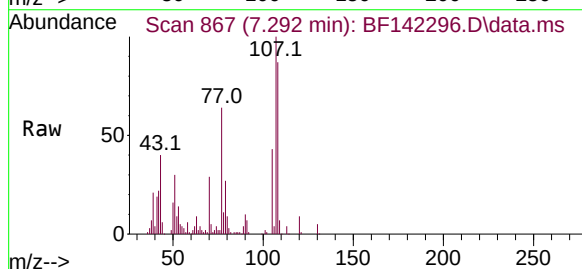
Ion Ratio Lower Upper

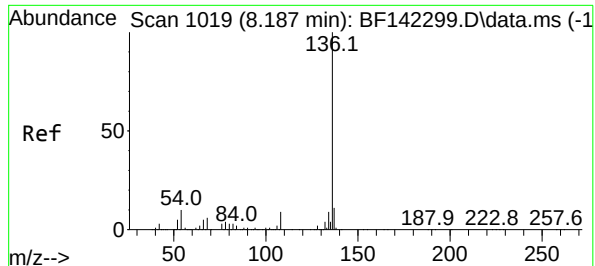
107 100

108 86.7 71.5 111.5

77 64.1 61.6 101.6

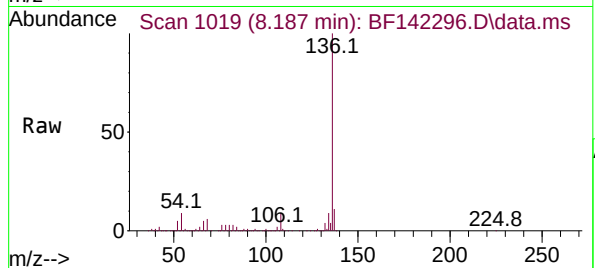
79 27.0 8.3 48.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

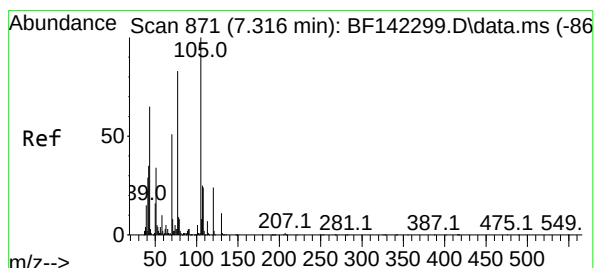
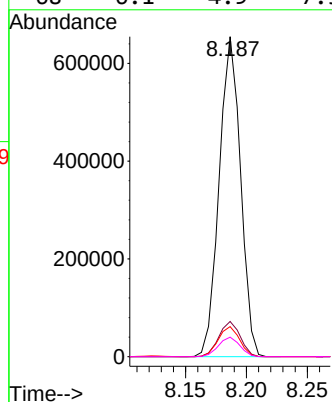
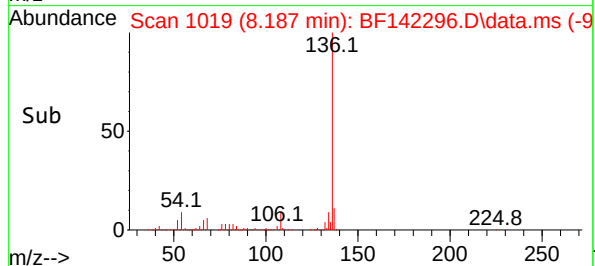
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:136 Resp: 800100
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

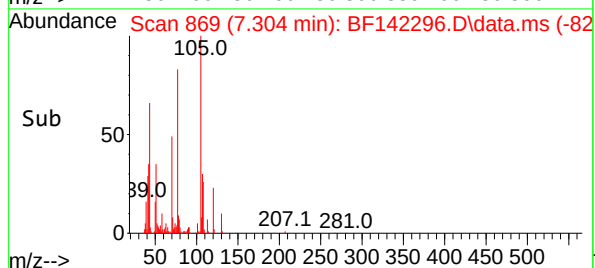
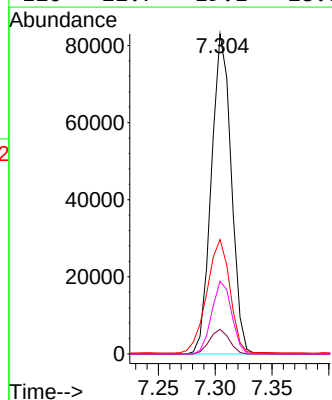
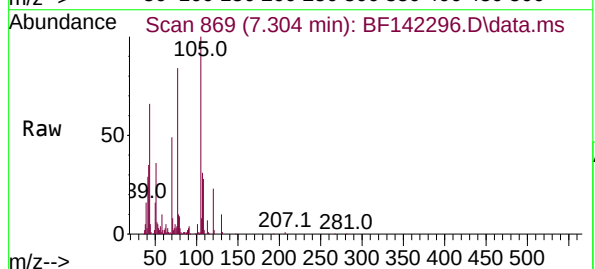
Manual Integrations
APPROVED

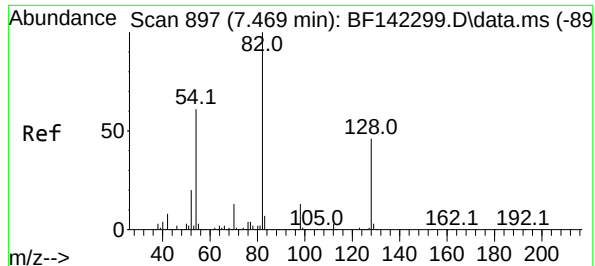
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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# 895

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: 11554

Ion Ratio Lower Upper

82 100

128 41.1 37.0 55.6

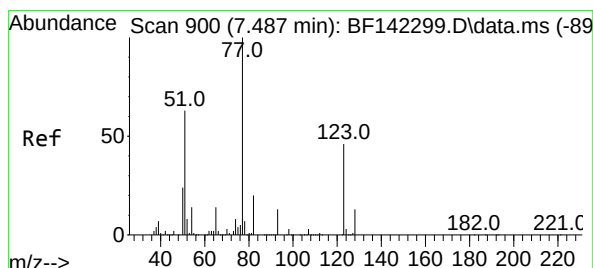
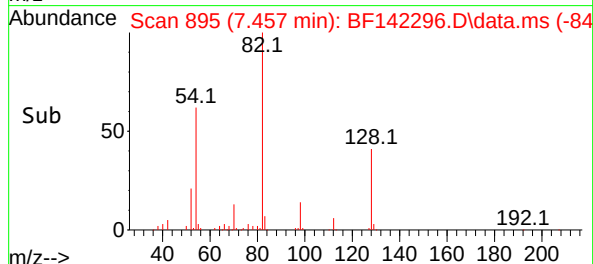
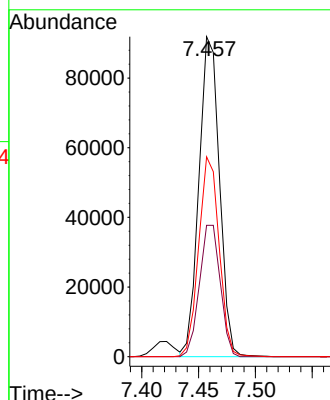
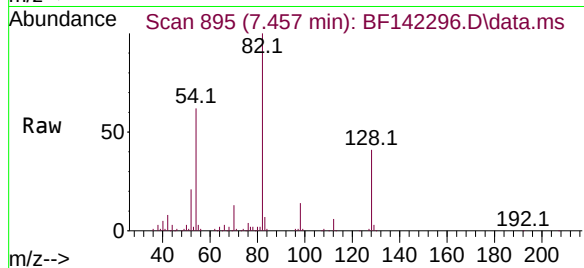
54 62.5 48.6 73.0

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

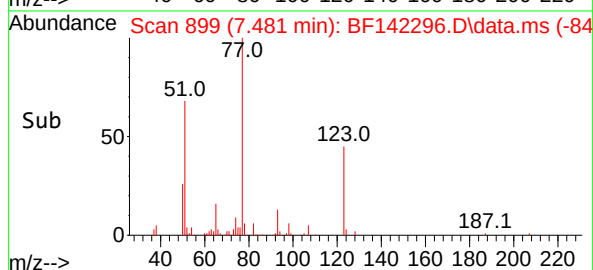
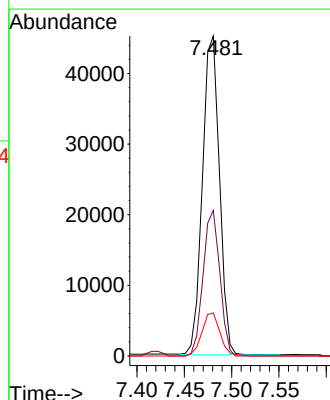
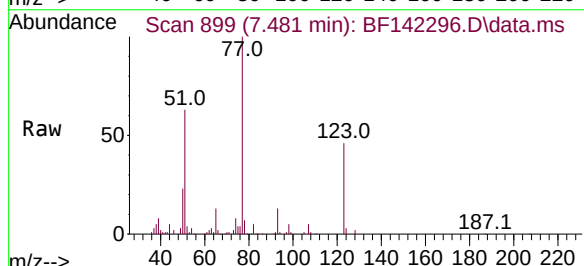
Tgt Ion: 77 Resp: 56276

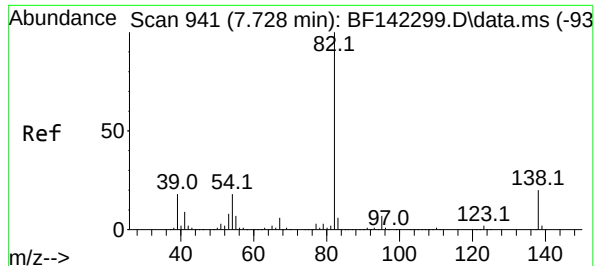
Ion Ratio Lower Upper

77 100

123 45.5 37.8 56.8

65 13.4 11.4 17.0





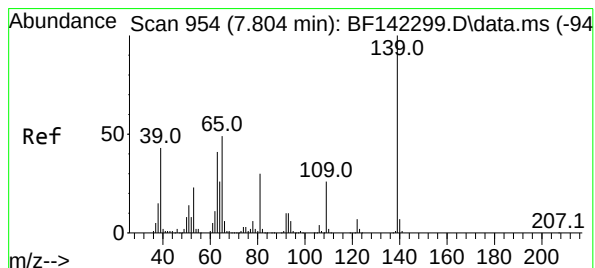
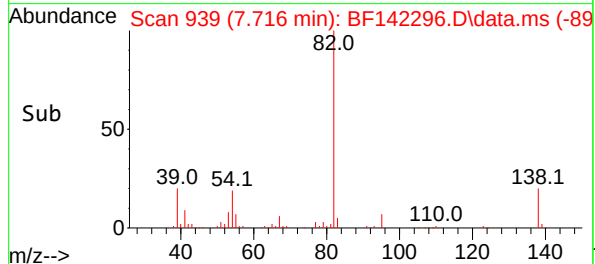
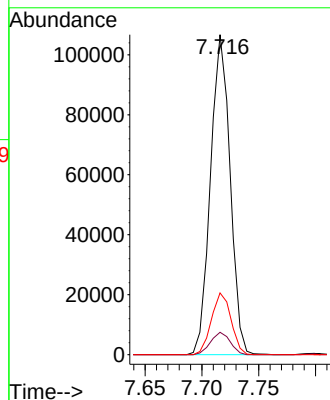
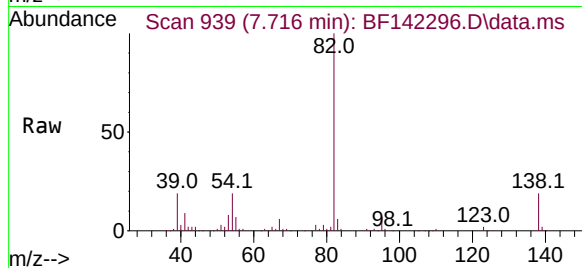
#25
Isophorone
Concen: 5.145 ng
RT: 7.716 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 82 Resp: 12781
Ion Ratio Lower Upper
82 100
95 7.0 5.8 8.8
138 19.3 16.1 24.1

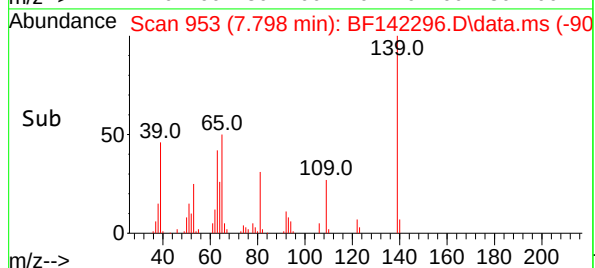
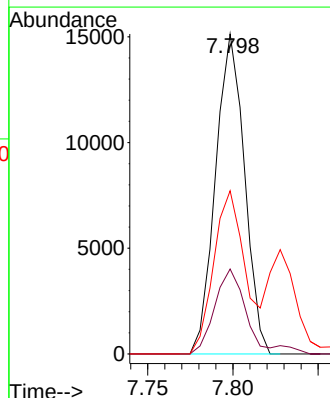
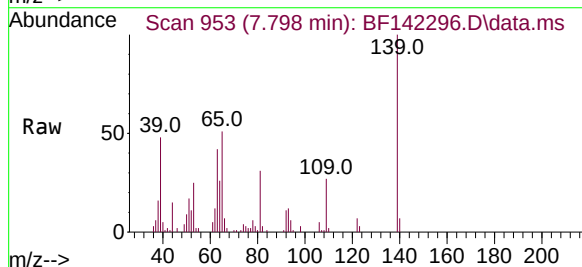
Manual Integrations
APPROVED

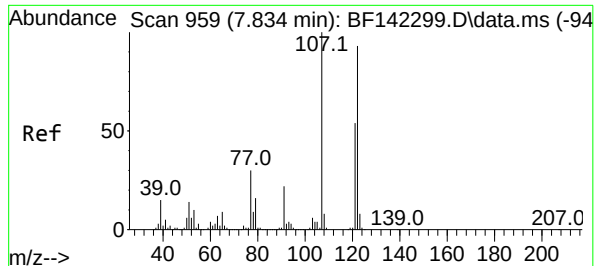
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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# 91

Delta R.T. -0.006 min

Lab File: BF142296.D

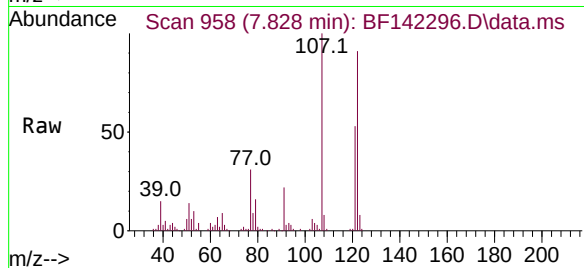
Acq: 05 May 2025 14:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC005



Tgt Ion:122 Resp: 62210

Ion Ratio Lower Upper

122 100

107 109.4 86.0 129.0

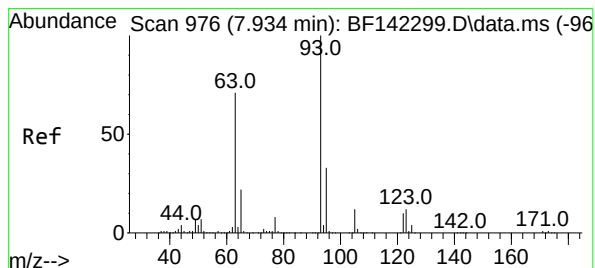
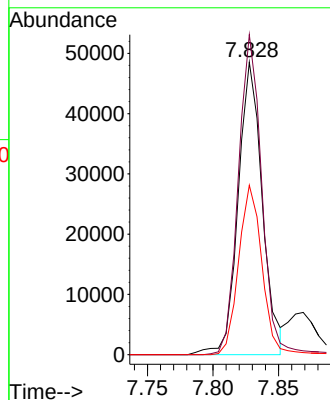
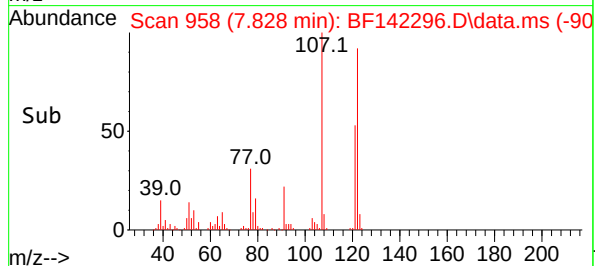
121 57.9 46.2 69.4

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

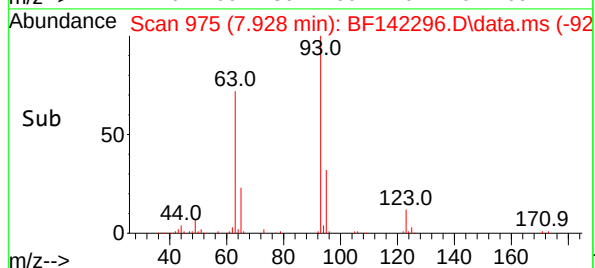
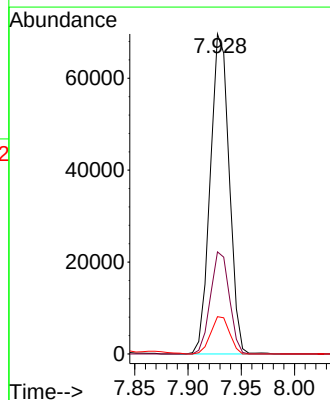
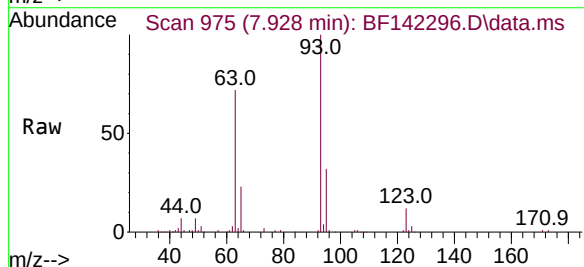
Tgt Ion: 93 Resp: 86020

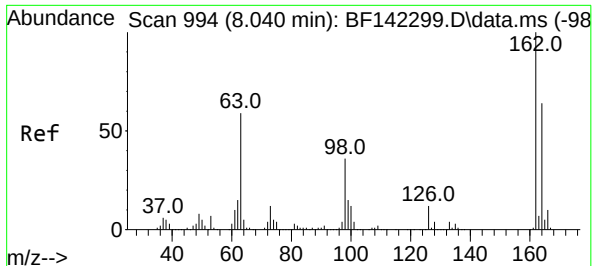
Ion Ratio Lower Upper

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# 994

Delta R.T. -0.006 min

Lab File: BF142296.D

Acq: 05 May 2025 14:23

Instrument :

BNA_F

ClientSampleId :

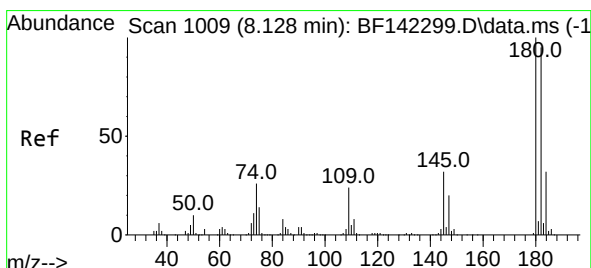
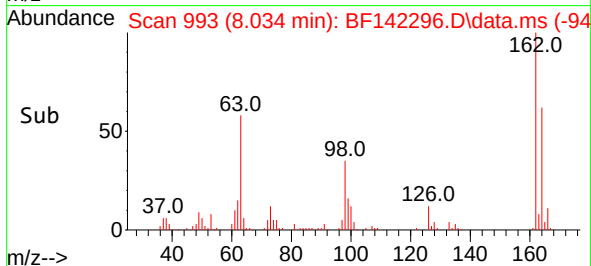
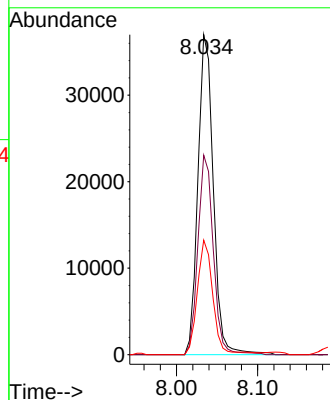
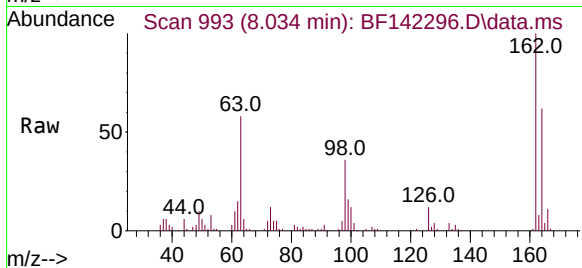
SSTDICC005

Tgt Ion:162	Resp:	4900
Ion Ratio	Lower	Upper
162	100	
164	62.4	43.6 83.6
98	35.8	16.5 56.5

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

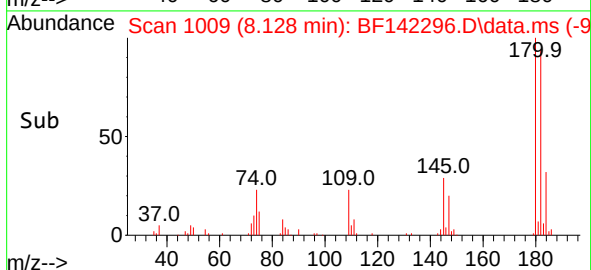
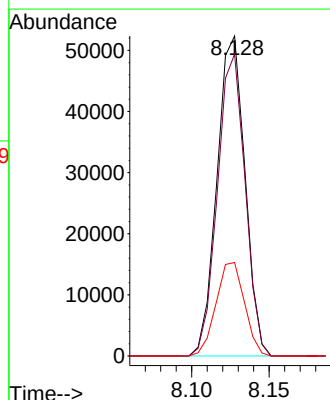
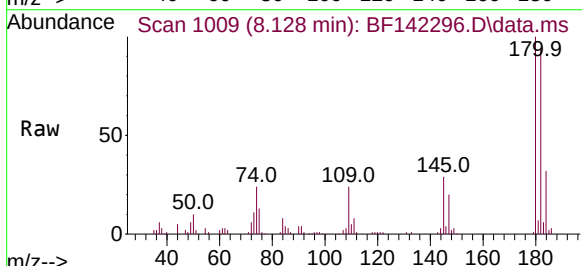
RT: 8.128 min Scan# 1009

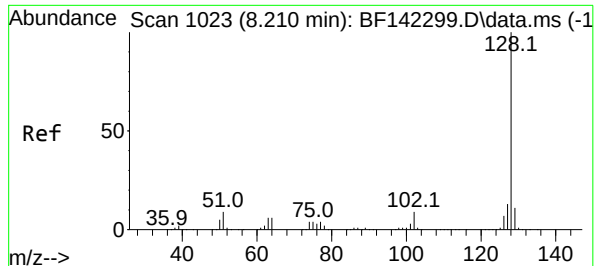
Delta R.T. -0.000 min

Lab File: BF142296.D

Acq: 05 May 2025 14:23

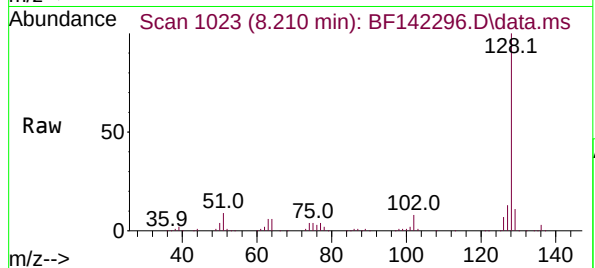
Tgt Ion:180	Resp:	65738
Ion Ratio	Lower	Upper
180	100	
182	94.3	76.2 114.4
145	29.2	25.8 38.6





#31
Naphthalene
Concen: 5.684 ng
RT: 8.210 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

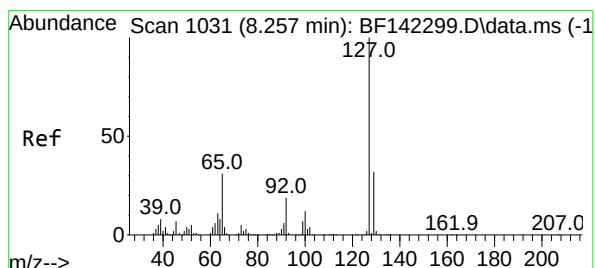
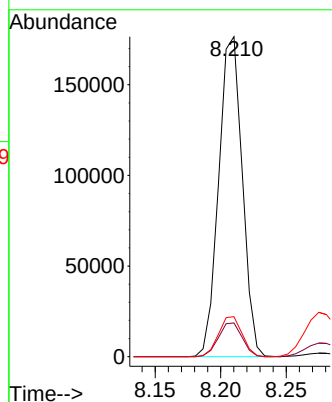
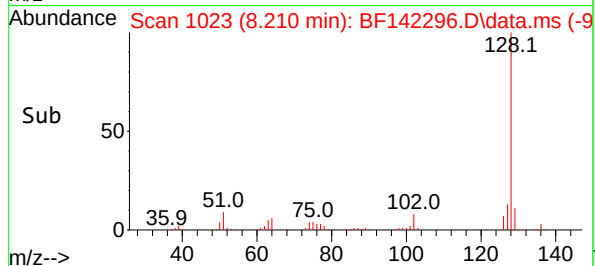
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



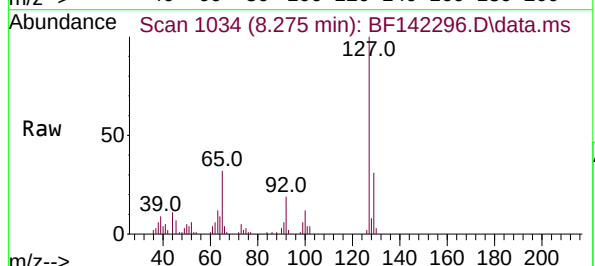
Tgt Ion:128 Resp: 220404
Ion Ratio Lower Upper
128 100
129 10.6 9.1 13.7
127 12.5 10.5 15.7

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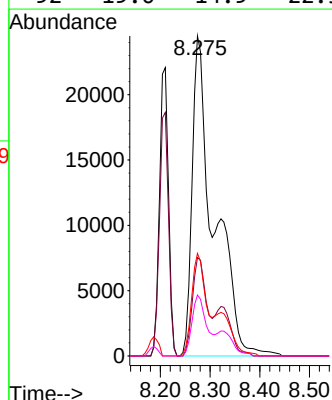
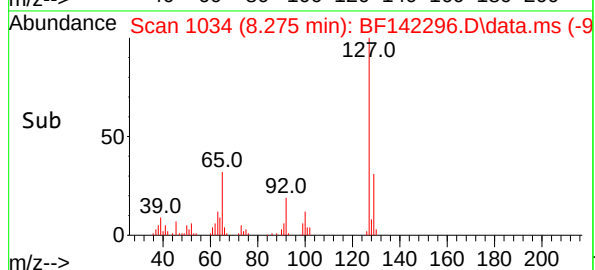
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

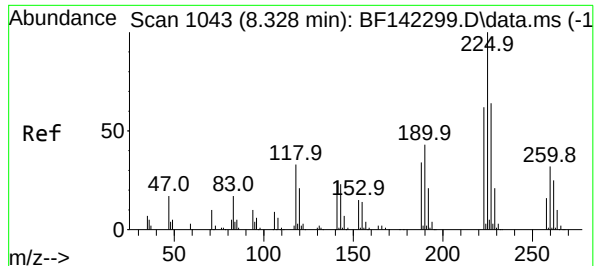


#33
4-Chloroaniline
Concen: 4.723 ng m
RT: 8.275 min Scan# 1034
Delta R.T. 0.018 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23



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# 1043

Delta R.T. -0.000 min

Lab File: BF142296.D

Acq: 05 May 2025 14:23

Instrument :

BNA_F

ClientSampleId :

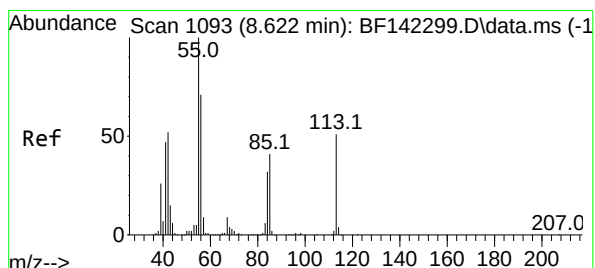
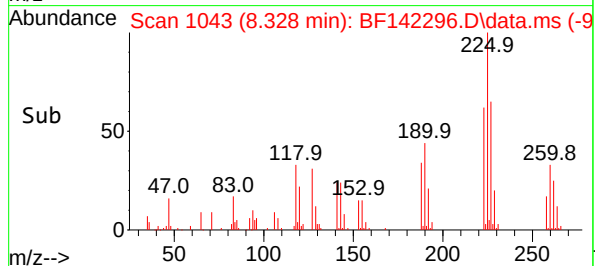
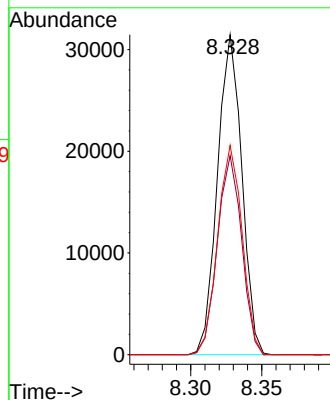
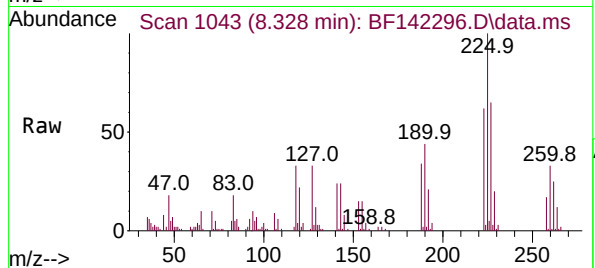
SSTDICC005

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

Manual Integrations

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



#35

Caprolactam

Concen: 4.085 ng

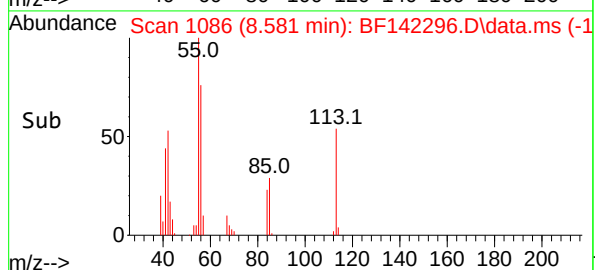
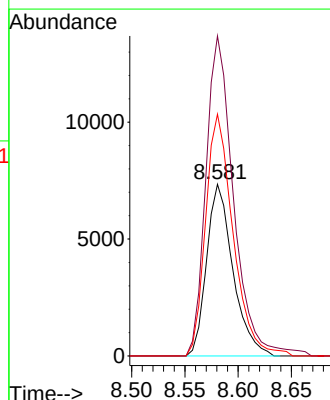
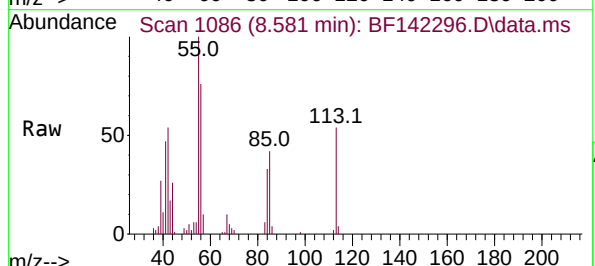
RT: 8.581 min Scan# 1086

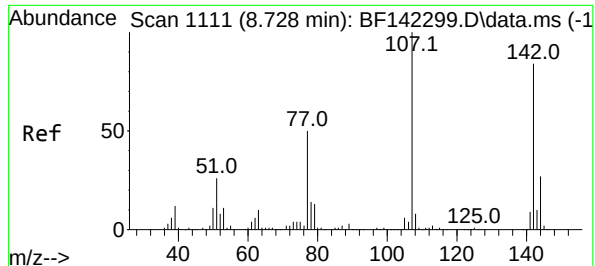
Delta R.T. -0.041 min

Lab File: BF142296.D

Acq: 05 May 2025 14:23

Tgt Ion	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# 1111

Delta R.T. -0.006 min

Lab File: BF142296.D

Acq: 05 May 2025 14:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:107 Resp: 56110

Ion Ratio Lower Upper

107 100

144 26.7 21.3 31.9

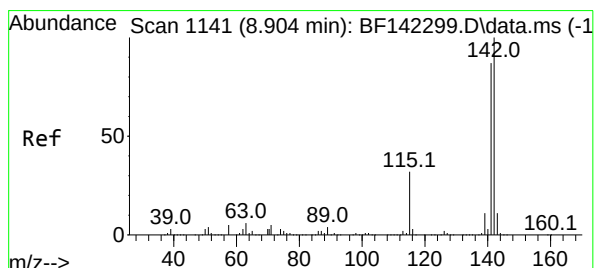
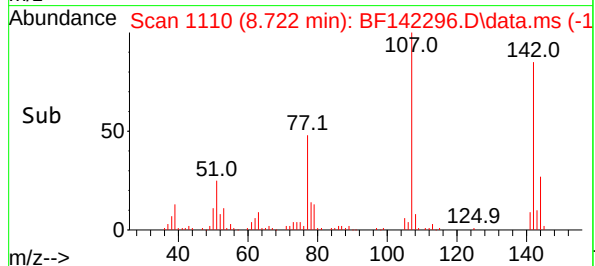
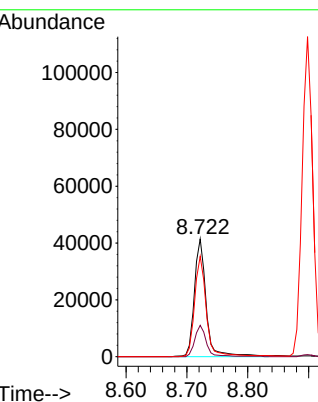
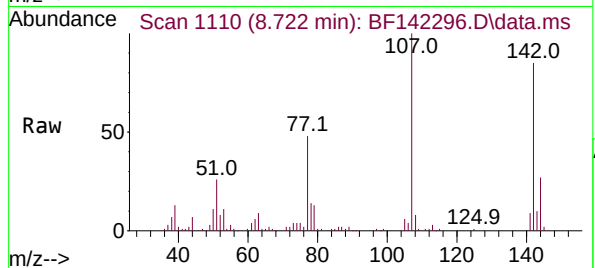
142 85.1 66.9 100.3

Manual Integrations

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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

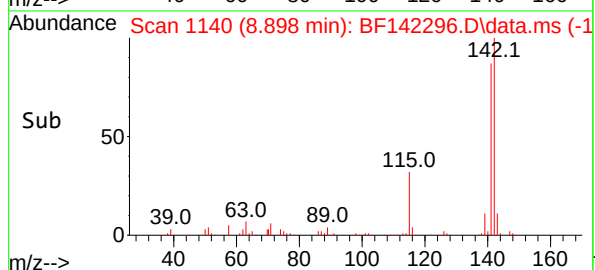
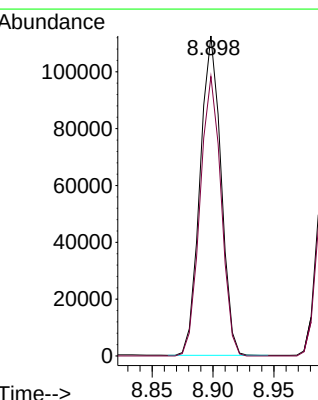
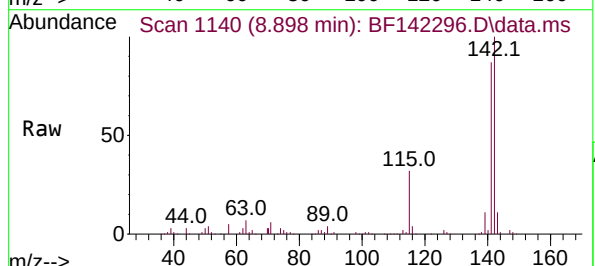
Acq: 05 May 2025 14:23

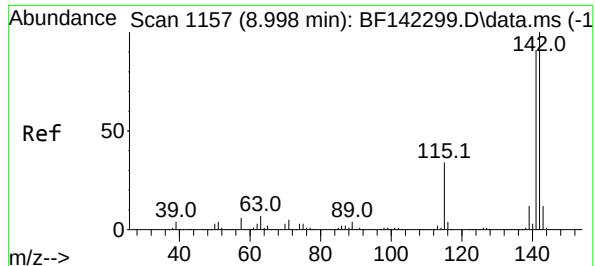
Tgt Ion:142 Resp: 134367

Ion Ratio Lower Upper

142 100

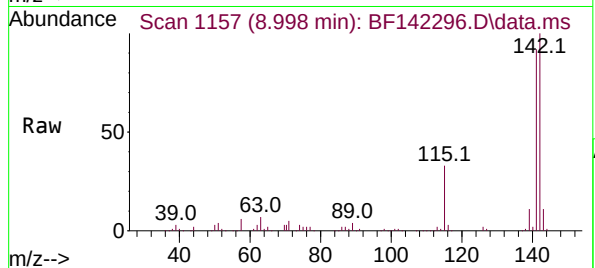
141 87.3 69.4 104.2





#38
1-Methylnaphthalene
Concen: 5.652 ng
RT: 8.998 min Scan# 1157
Delta R.T. -0.000 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

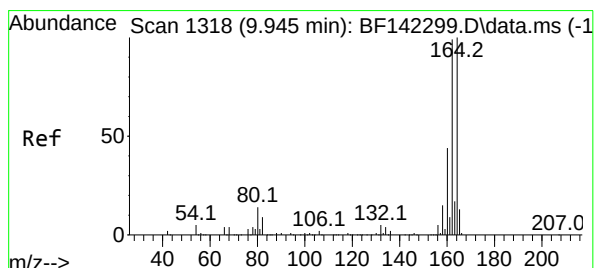
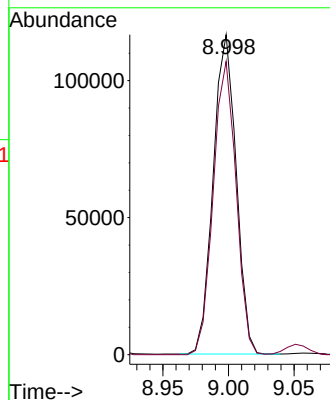
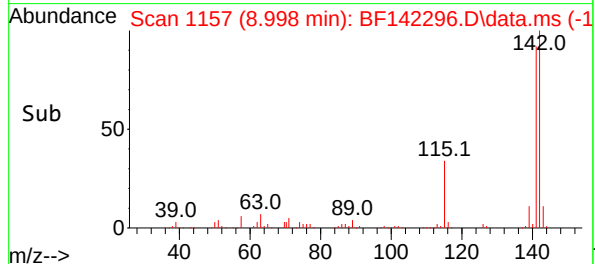
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



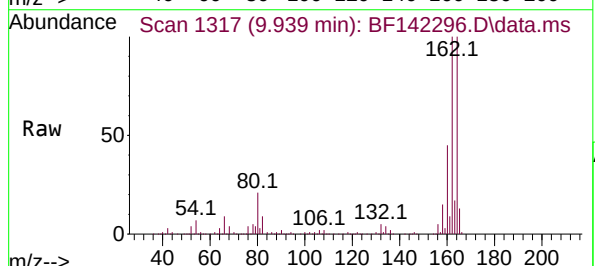
Tgt Ion:142 Resp: 141952
Ion Ratio Lower Upper
142 100
141 91.6 72.5 108.7

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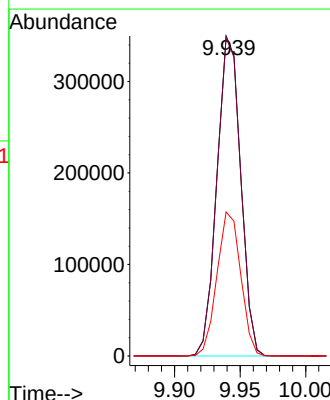
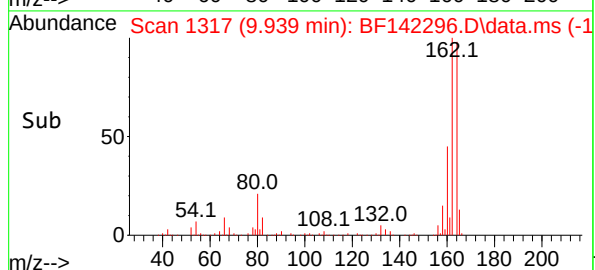
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

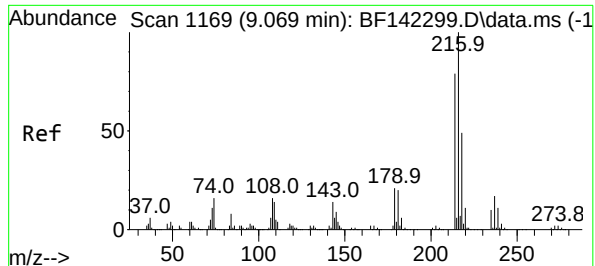


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23



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# 1169

Delta R.T. -0.006 min

Lab File: BF142296.D

Acq: 05 May 2025 14:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

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

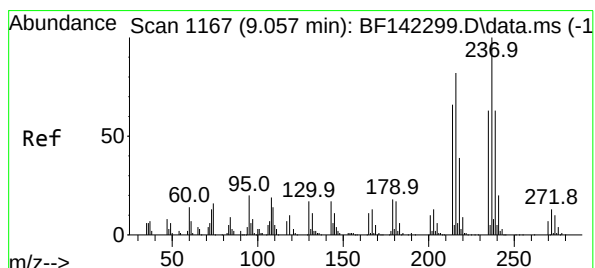
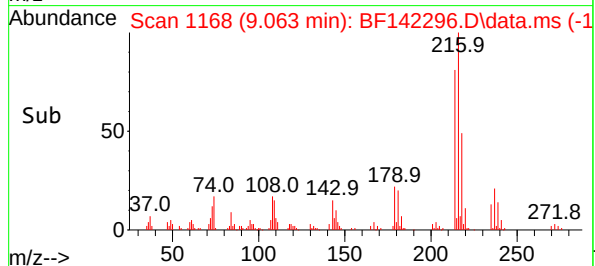
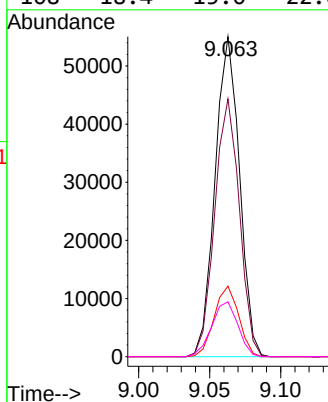
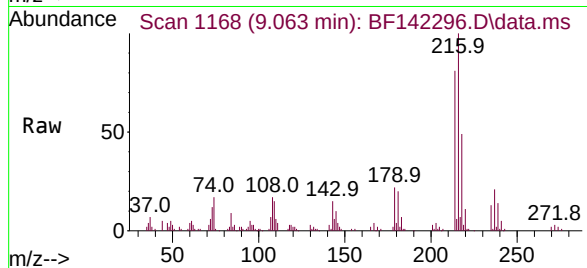
108 18.4 15.0 22.6

Manual Integrations

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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

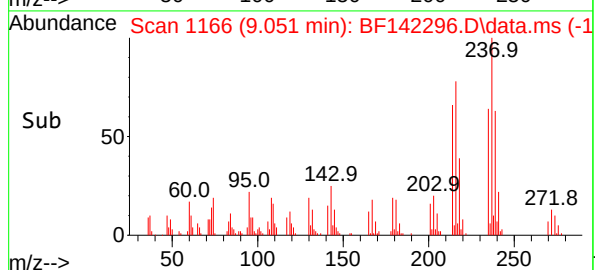
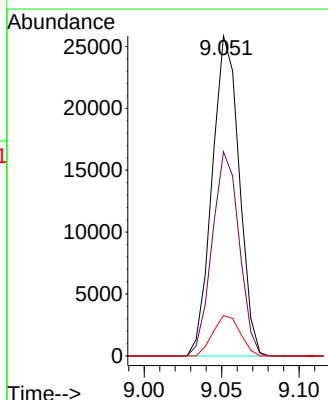
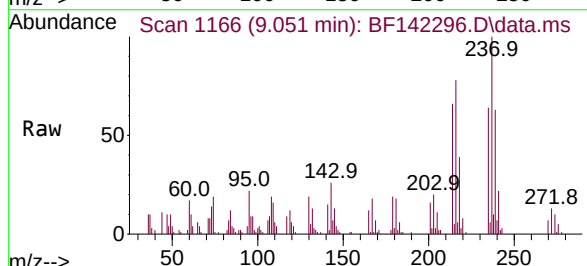
Tgt Ion:237 Resp: 31389

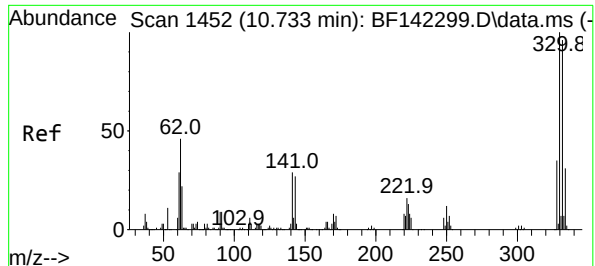
Ion Ratio Lower Upper

237 100

235 63.8 42.8 82.8

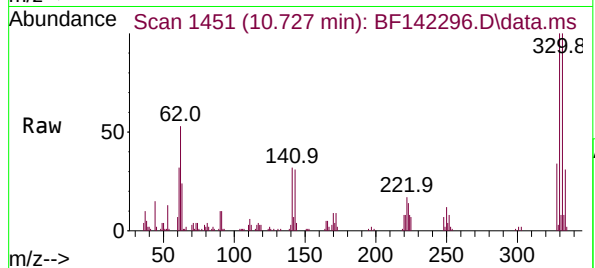
272 12.7 0.0 33.0





#42
2,4,6-Tribromophenol
Concen: 8.322 ng
RT: 10.727 min Scan# 1452
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

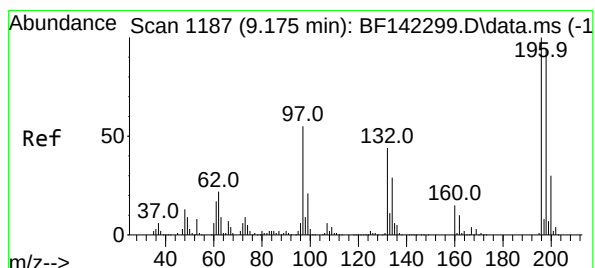
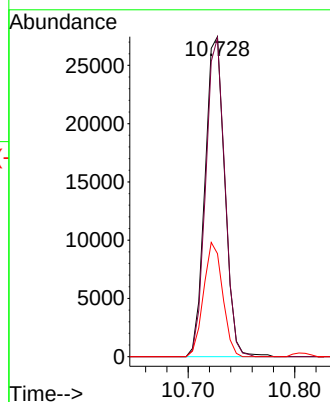
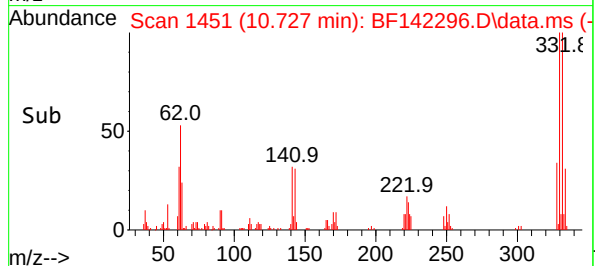
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



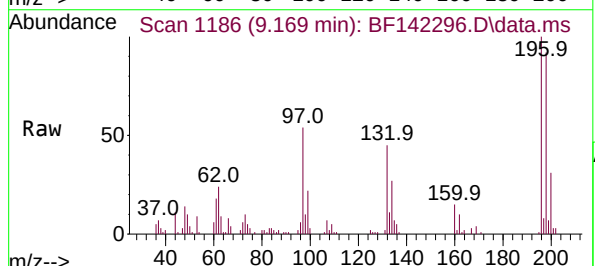
Tgt Ion: 330 Resp: 35290
Ion Ratio Lower Upper
330 100
332 96.3 76.8 115.2
141 34.6 24.9 37.3

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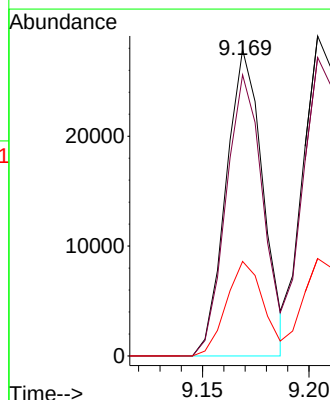
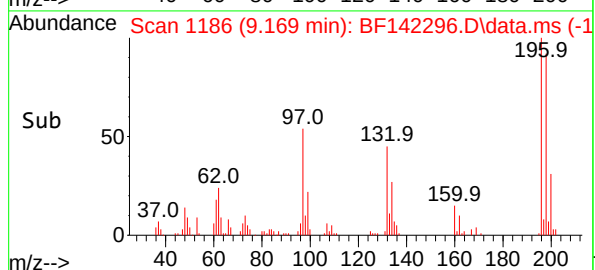
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

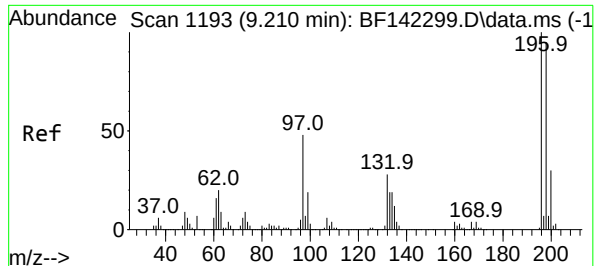


#43
2,4,6-Trichlorophenol
Concen: 4.346 ng
RT: 9.169 min Scan# 1186
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23



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# 1193

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: 3723

Ion Ratio Lower Upper

196 100

198 93.3 76.1 114.1

97 51.2 39.0 58.4

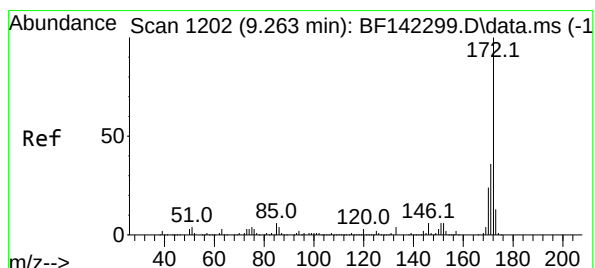
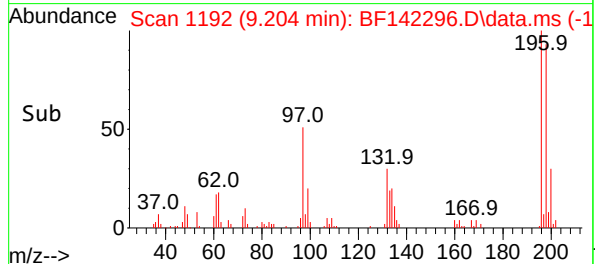
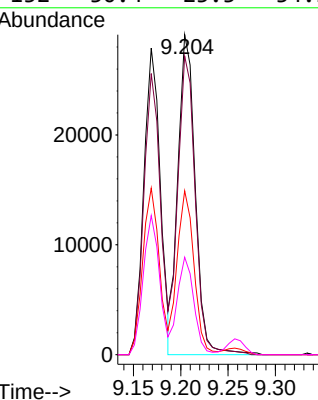
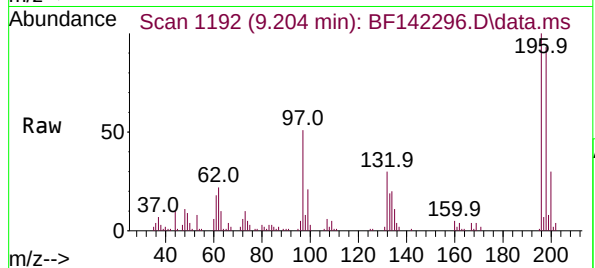
132 30.4 23.3 34.9

Manual Integrations

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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

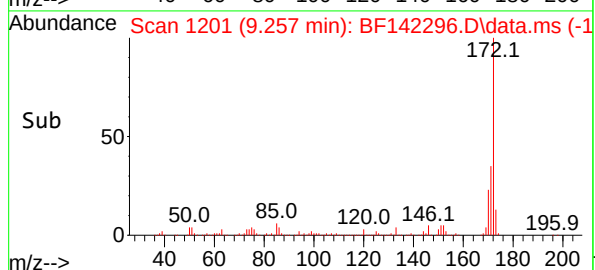
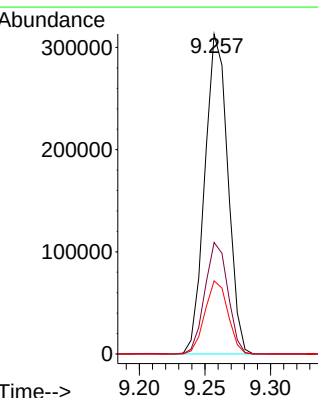
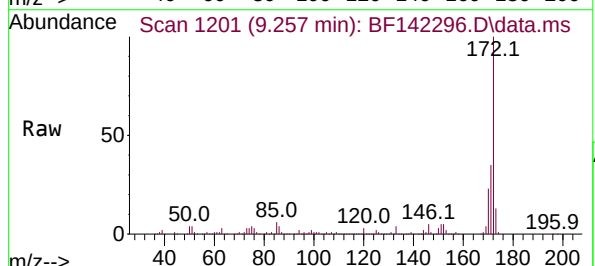
Tgt Ion:172 Resp: 381508

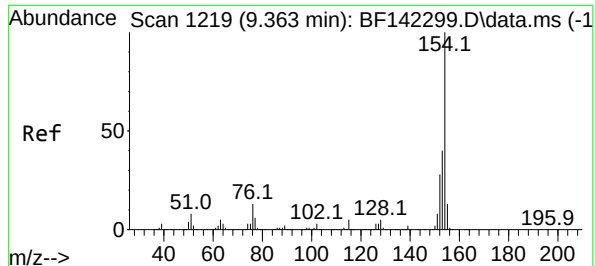
Ion Ratio Lower Upper

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# 1219

Delta R.T. -0.000 min

Lab File: BF142296.D

Acq: 05 May 2025 14:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:154 Resp: 189660

Ion Ratio Lower Upper

154 100

153 39.1 20.5 60.5

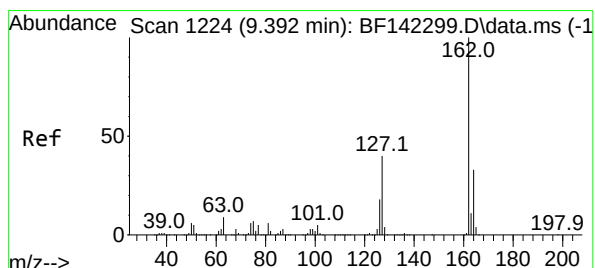
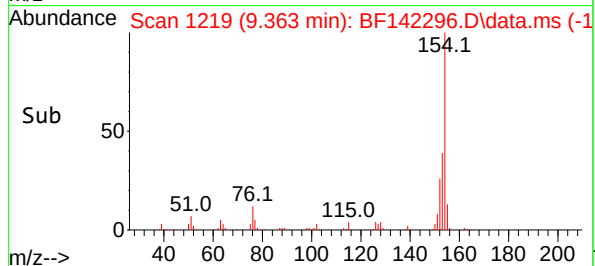
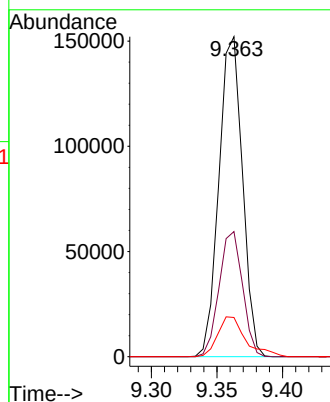
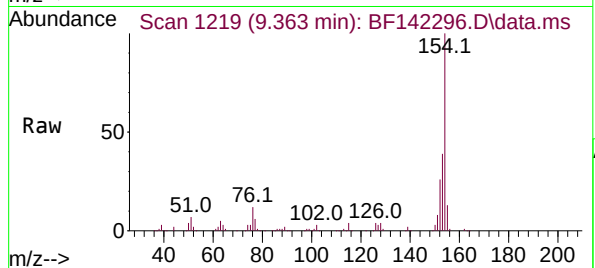
76 12.3 0.0 32.8

Manual Integrations

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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

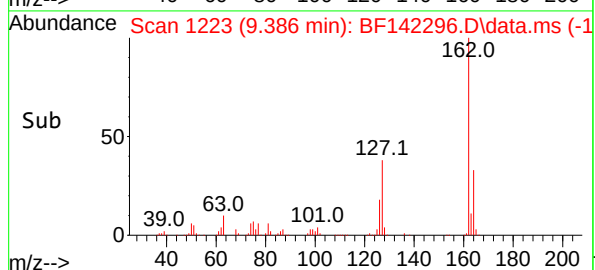
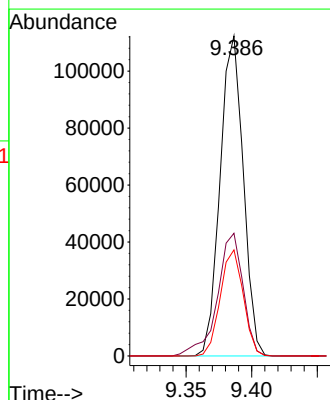
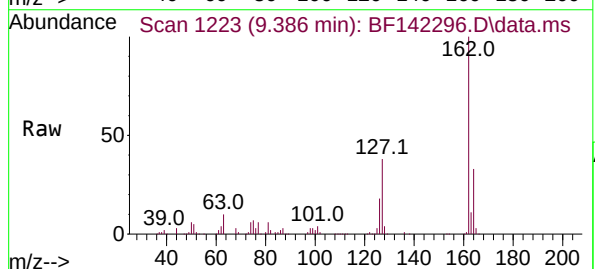
Tgt Ion:162 Resp: 137929

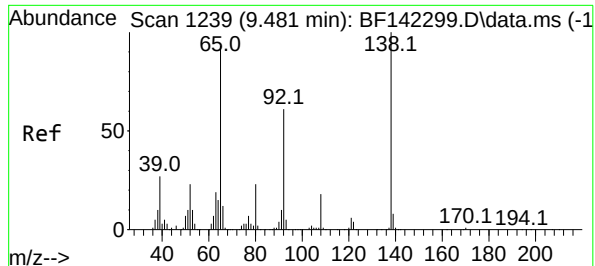
Ion Ratio Lower Upper

162 100

127 38.4 32.3 48.5

164 33.2 26.6 40.0





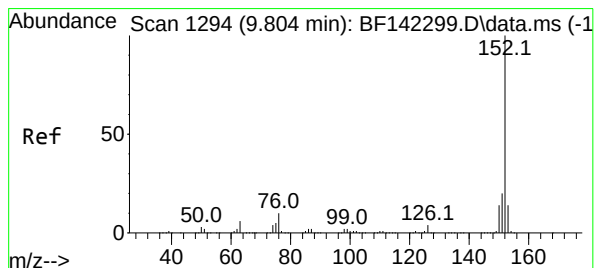
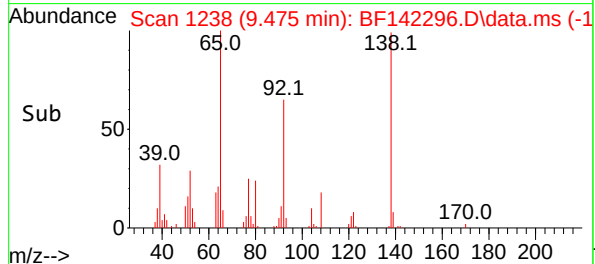
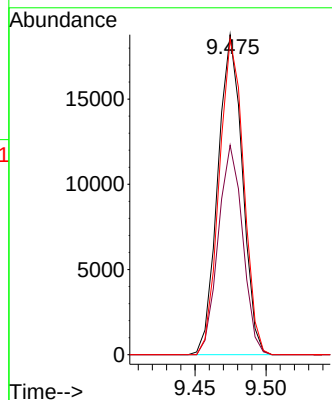
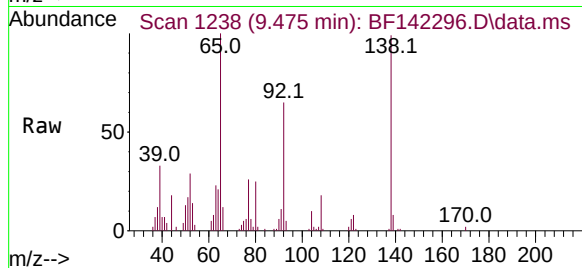
#48
2-Nitroaniline
Concen: 3.510 ng
RT: 9.475 min Scan# 1238
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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

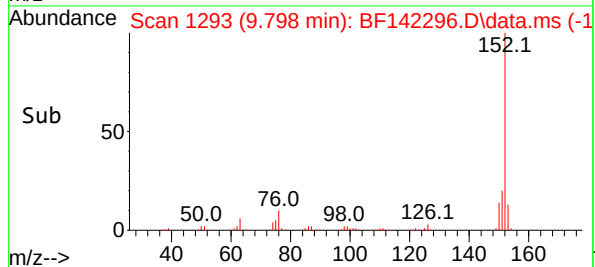
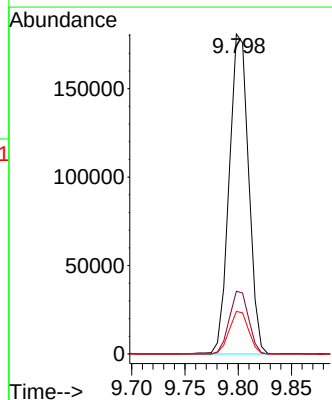
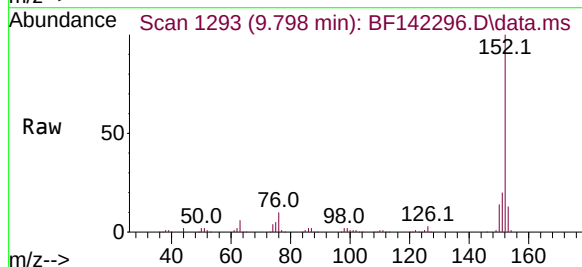
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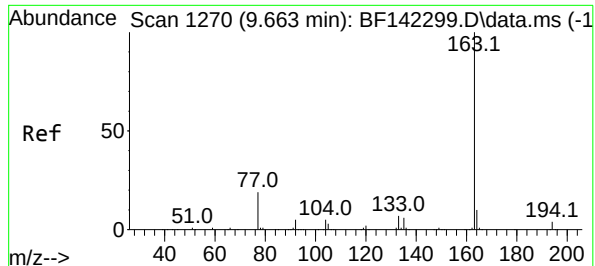
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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# 1268

Delta R.T. -0.012 min

Lab File: BF142296.D

Acq: 05 May 2025 14:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:163 Resp: 146910

Ion Ratio Lower Upper

163 100

194 3.8 3.2 4.8

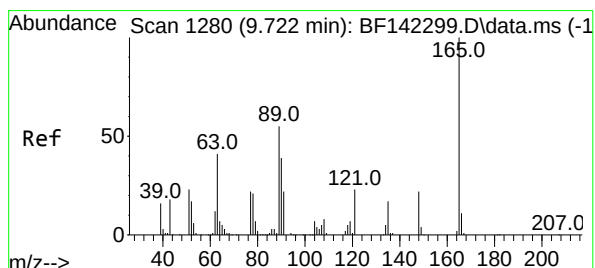
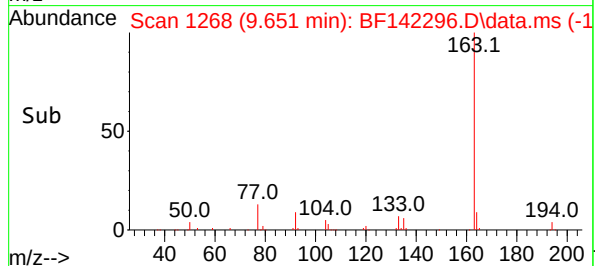
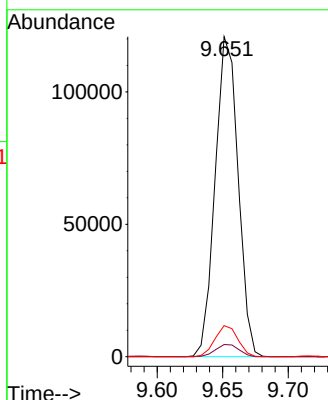
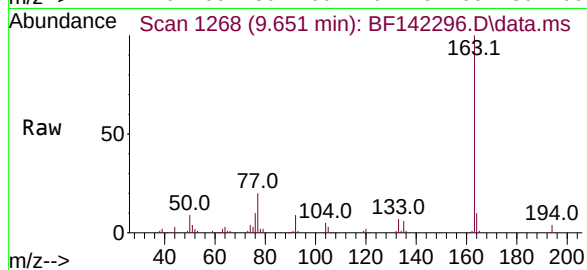
164 9.7 8.3 12.5

Manual Integrations

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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

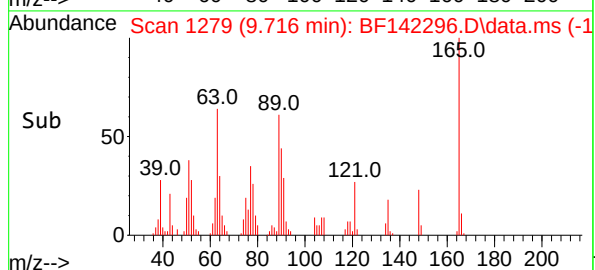
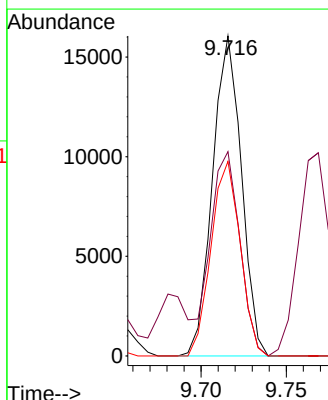
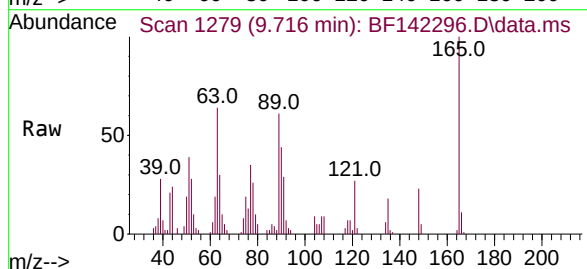
Tgt Ion:165 Resp: 18933

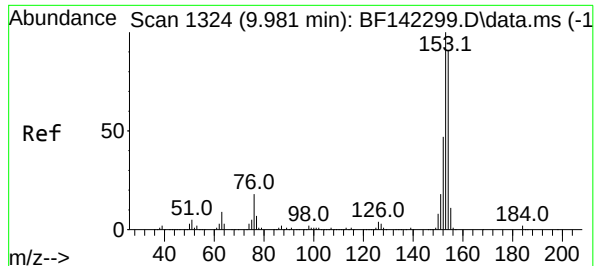
Ion Ratio Lower Upper

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# 11

Delta R.T. -0.006 min

Lab File: BF142296.D

Acq: 05 May 2025 14:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:154 Resp: 138379

Ion Ratio Lower Upper

154 100

153 114.7 88.0 132.0

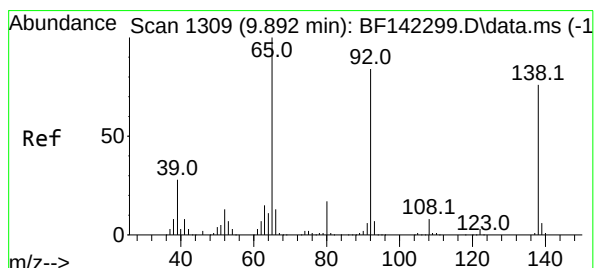
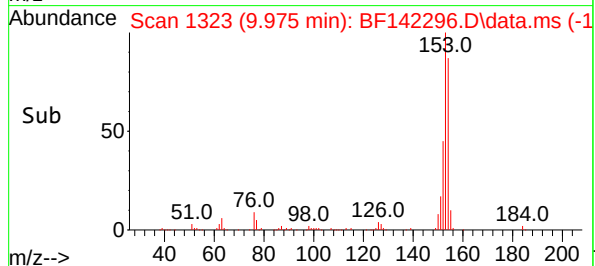
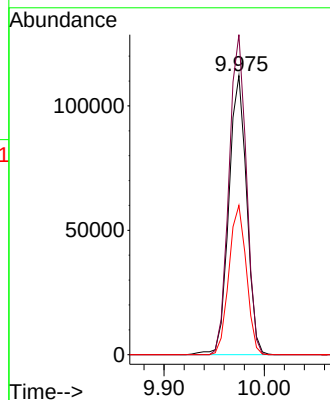
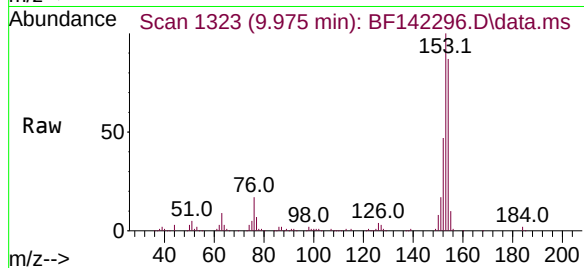
152 53.5 41.6 62.4

Manual Integrations

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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

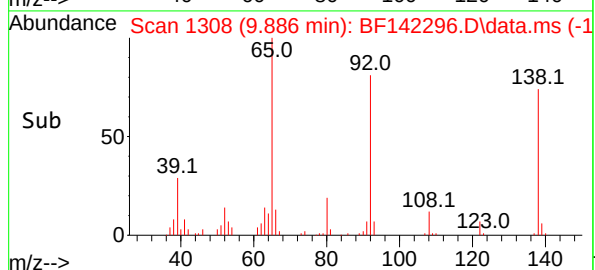
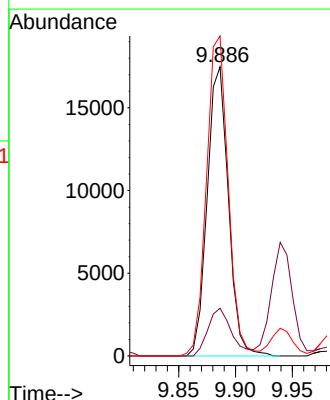
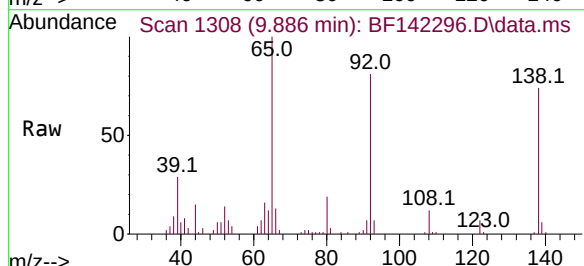
Tgt Ion:138 Resp: 22656

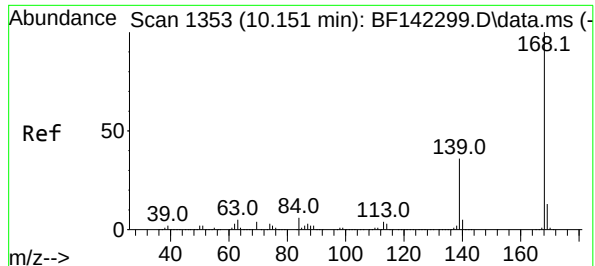
Ion Ratio Lower Upper

138 100

108 16.5 8.7 13.1#

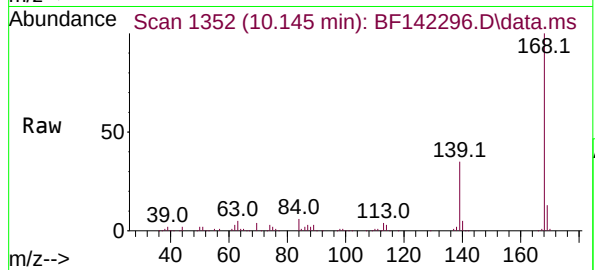
92 110.7 89.5 134.3





#55
Dibenzenofuran
Concen: 5.706 ng
RT: 10.145 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

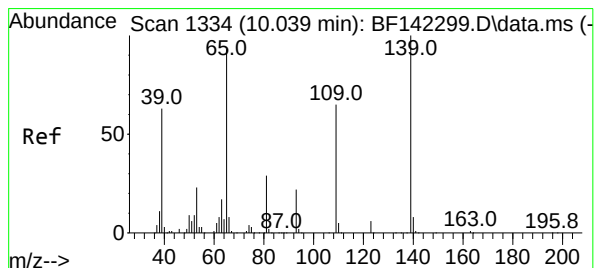
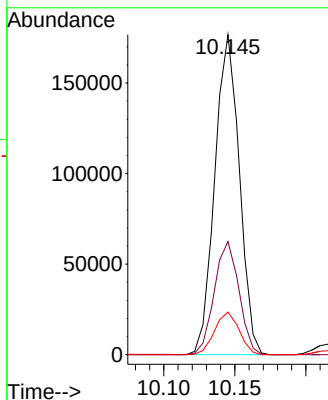
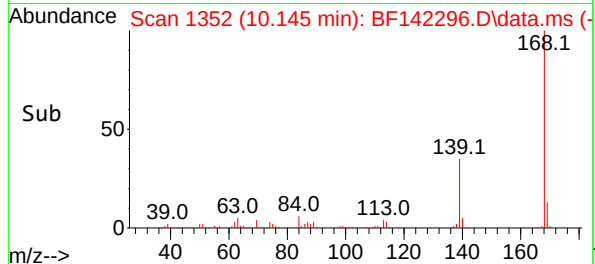
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:168 Resp: 212190
Ion Ratio Lower Upper
168 100
139 35.3 29.0 43.4
169 13.3 10.7 16.1

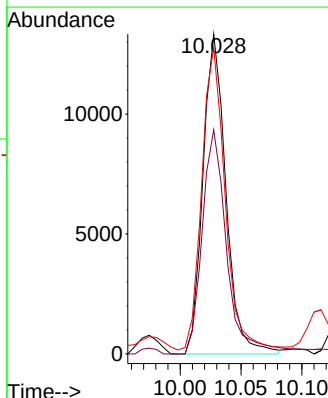
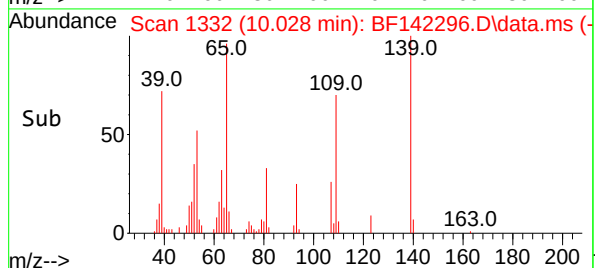
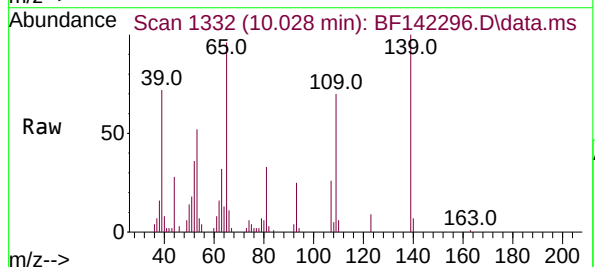
Manual Integrations
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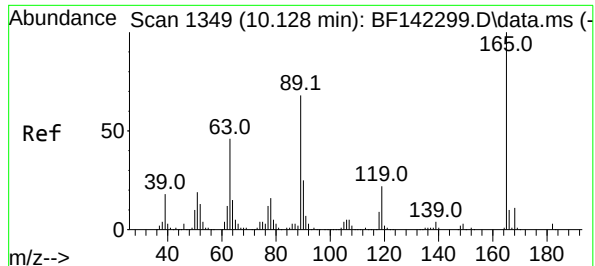
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

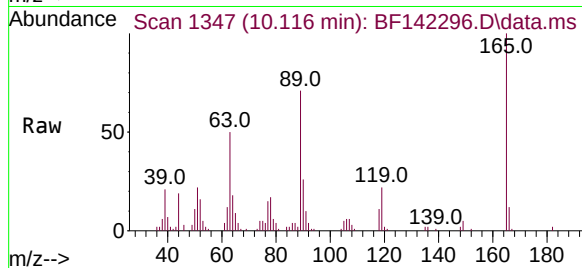
Tgt Ion:139 Resp: 17445
Ion Ratio Lower Upper
139 100
109 70.1 45.3 85.3
65 95.8 73.9 113.9





#57
2,4-Dinitrotoluene
Concen: 3.605 ng
RT: 10.116 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

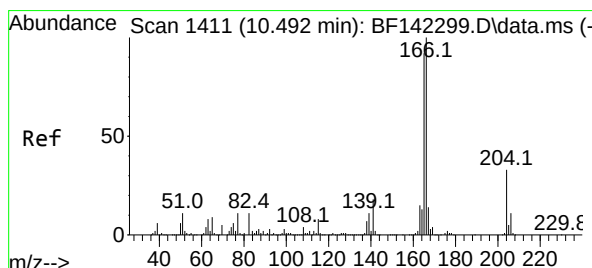
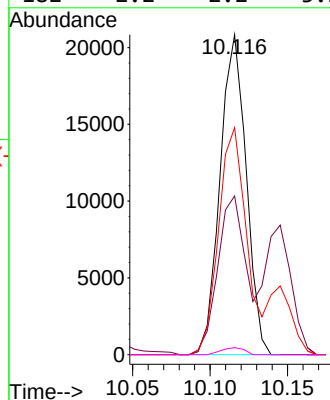
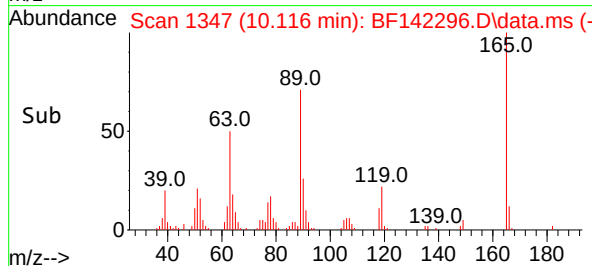
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



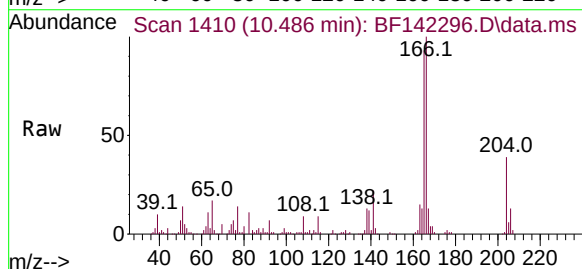
Tgt Ion:165 Resp: 2441
Ion Ratio Lower Upper
165 100
63 49.6 37.1 55.7
89 71.0 54.4 81.6
182 2.2 2.2 3.2

Manual Integrations
APPROVED

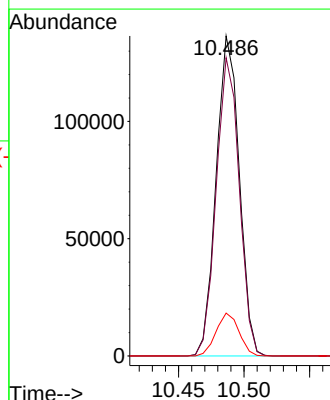
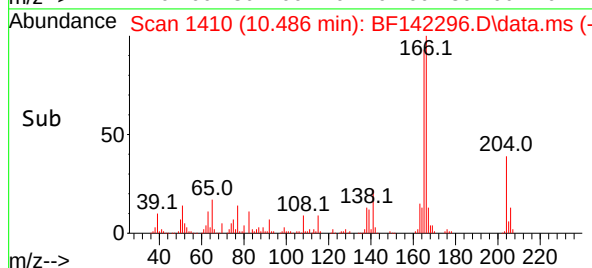
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

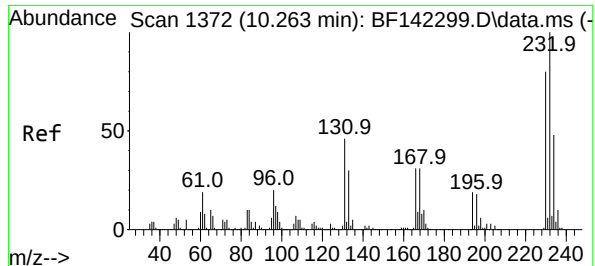


#58
Fluorene
Concen: 5.886 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23



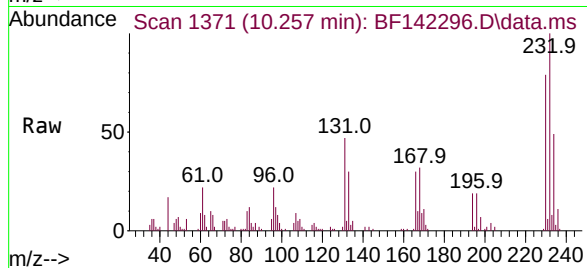
Tgt Ion:166 Resp: 167029
Ion Ratio Lower Upper
166 100
165 93.2 74.0 111.0
167 13.4 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 4.301 ng
RT: 10.257 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

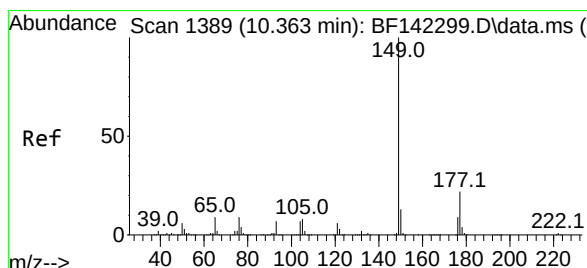
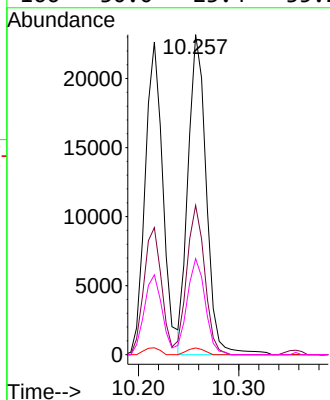
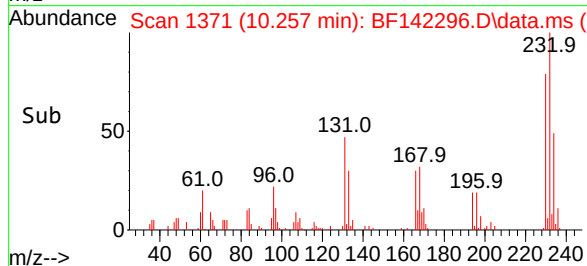
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:232 Resp: 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

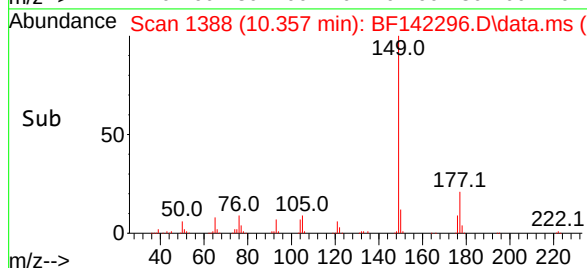
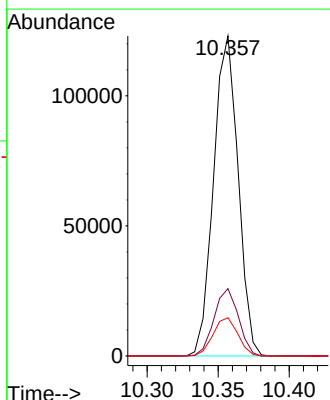
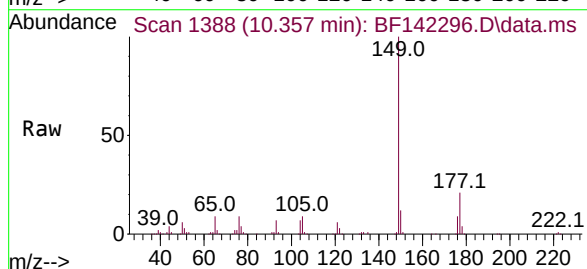
Manual Integrations
APPROVED

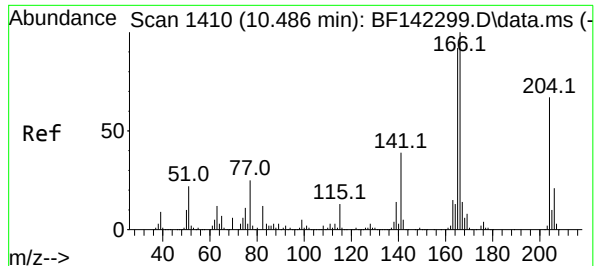
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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





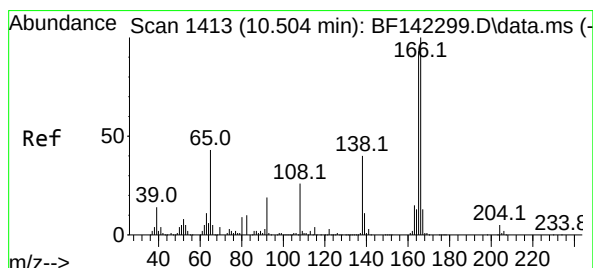
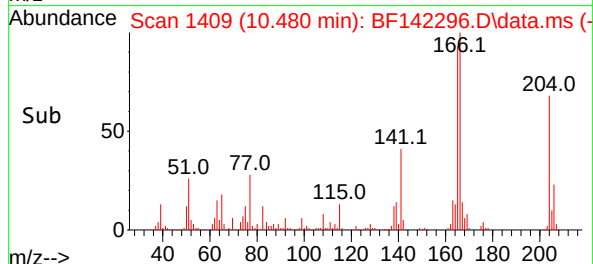
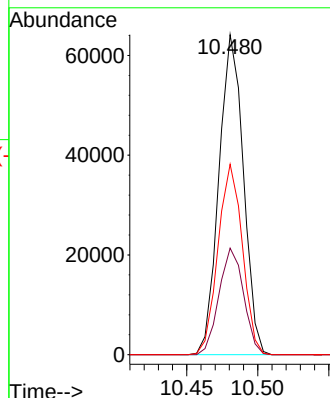
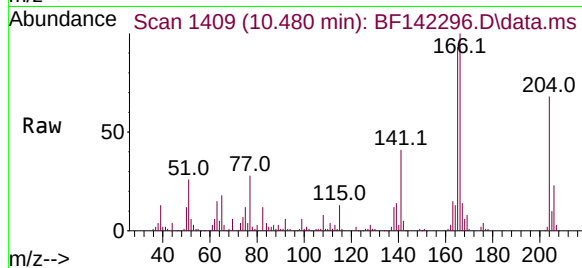
#61
4-Chlorophenyl-phenylether
Concen: 5.608 ng
RT: 10.480 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:204 Resp: 7678
Ion Ratio Lower Upper
204 100
206 33.3 25.5 38.3
141 59.5 46.4 69.6

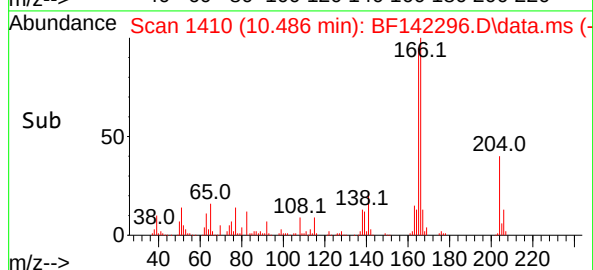
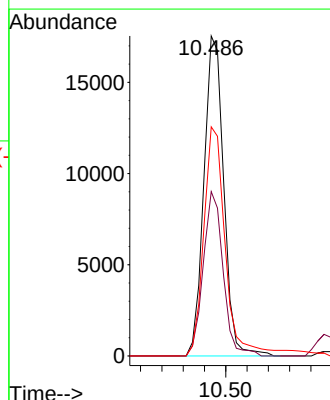
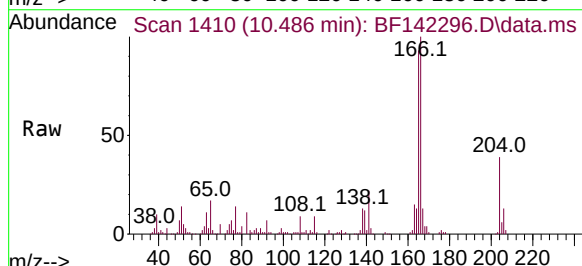
Manual Integrations
APPROVED

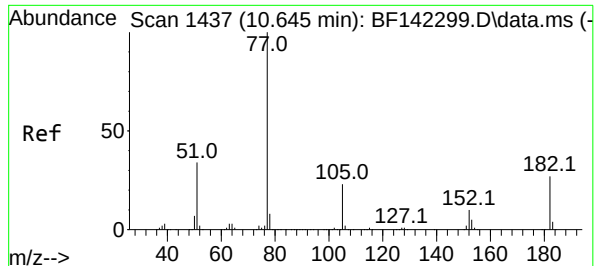
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

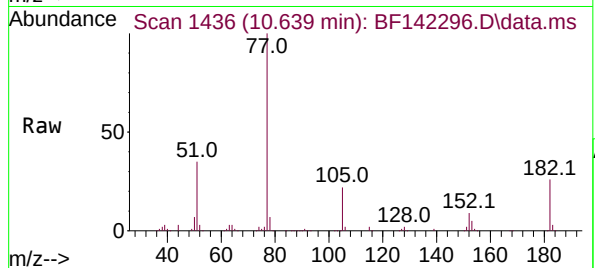
Tgt Ion:138 Resp: 22736
Ion Ratio Lower Upper
138 100
92 51.4 27.3 67.3
108 71.6 45.1 85.1





#63
Azobenzene
Concen: 5.460 ng
RT: 10.639 min Scan# 1436
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

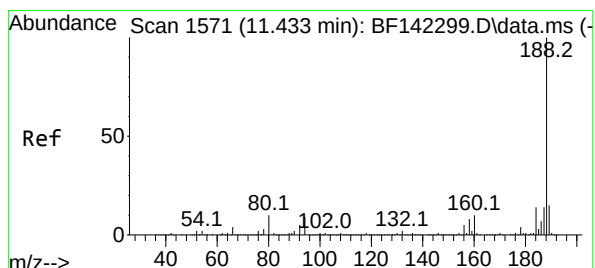
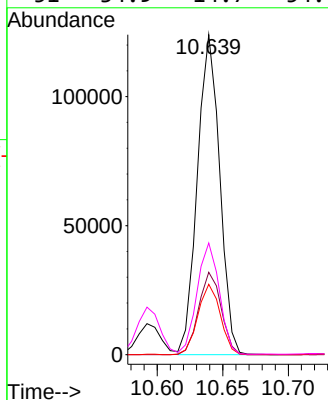
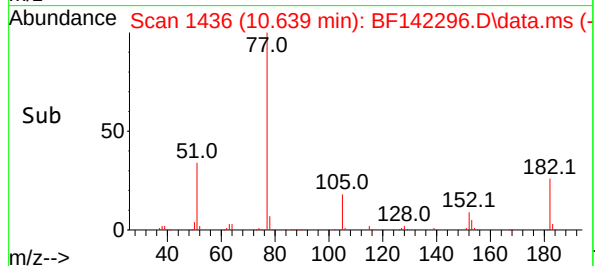
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



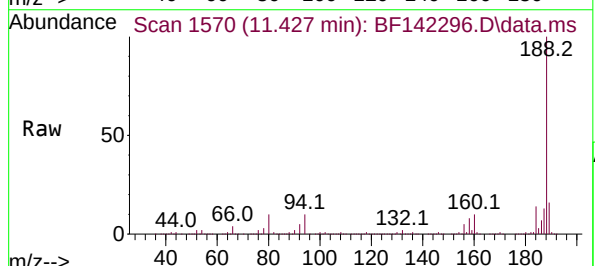
Tgt Ion: 77 Resp: 146968
Ion Ratio Lower Upper
77 100
182 25.7 6.9 46.9
105 22.0 2.7 42.7
51 34.9 14.7 54.7

Manual Integrations
APPROVED

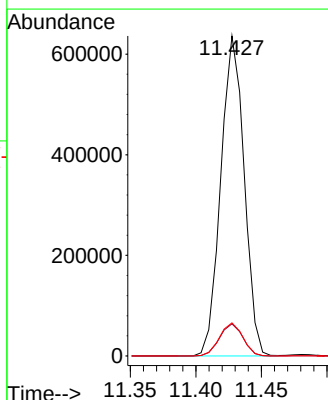
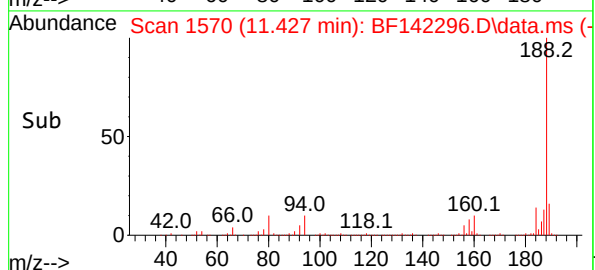
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

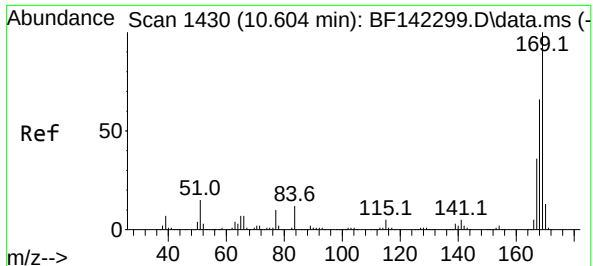


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.427 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23



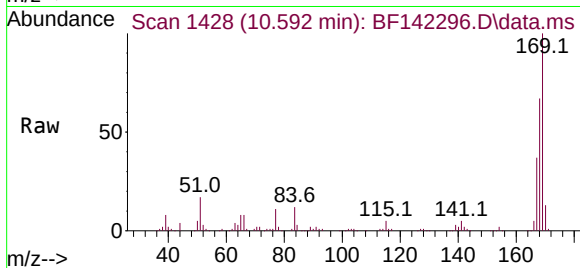
Tgt Ion:188 Resp: 788007
Ion Ratio Lower Upper
188 100
94 10.1 7.5 11.3
80 10.4 7.9 11.9





#66
n-Nitrosodiphenylamine
Concen: 5.286 ng
RT: 10.592 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

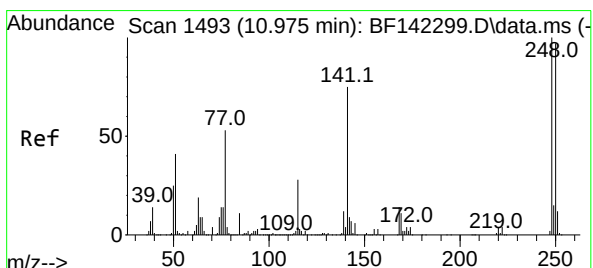
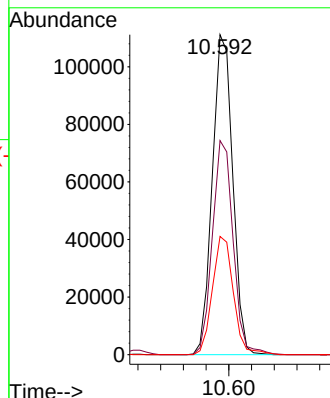
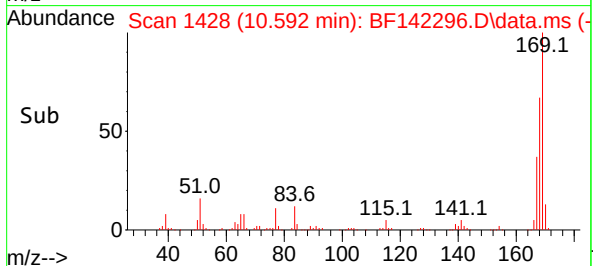
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



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

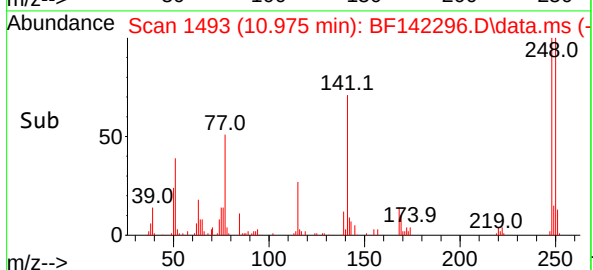
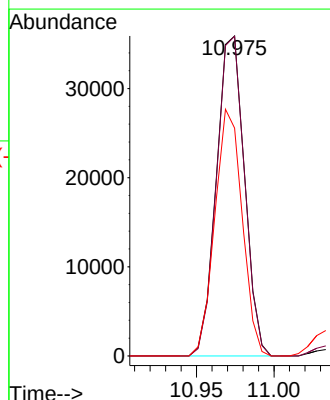
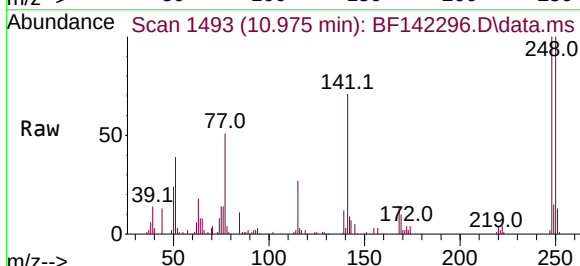
Manual Integrations
APPROVED

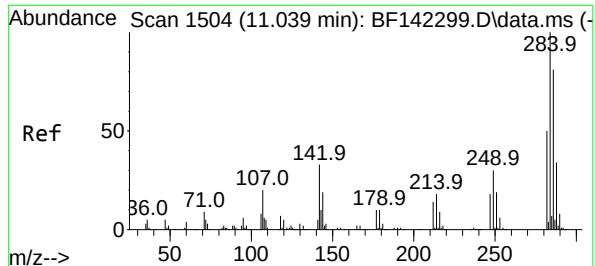
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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# 1503

Delta R.T. -0.006 min

Lab File: BF142296.D

Acq: 05 May 2025 14:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:284 Resp: 51978

Ion Ratio Lower Upper

284 100

142 33.2 26.6 39.8

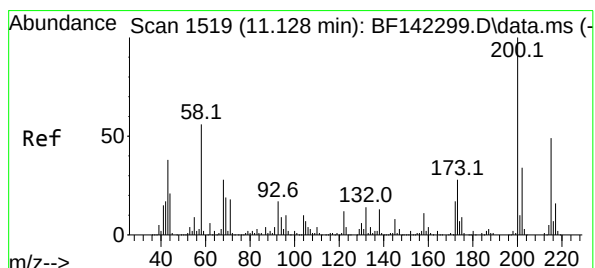
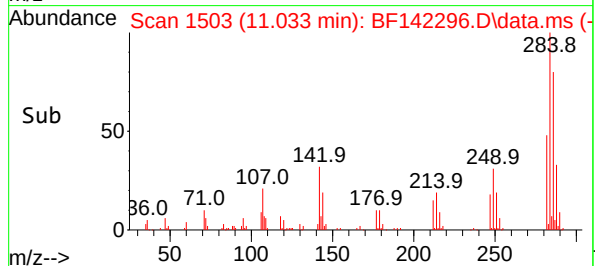
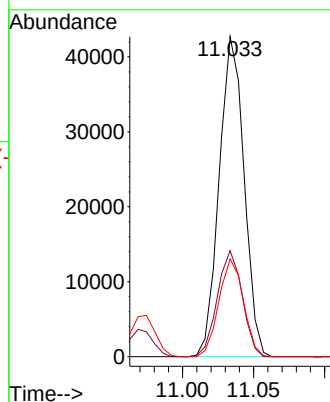
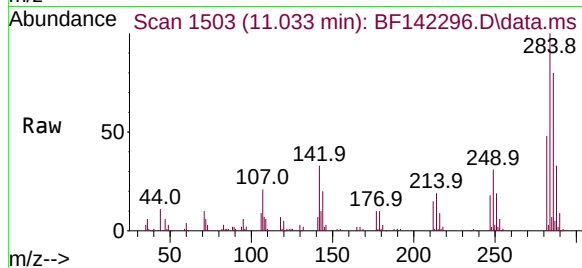
249 30.6 24.1 36.1

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

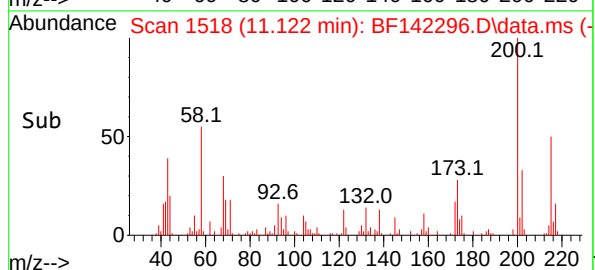
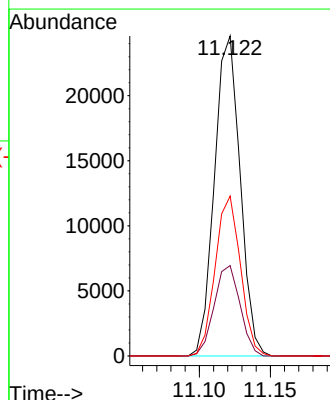
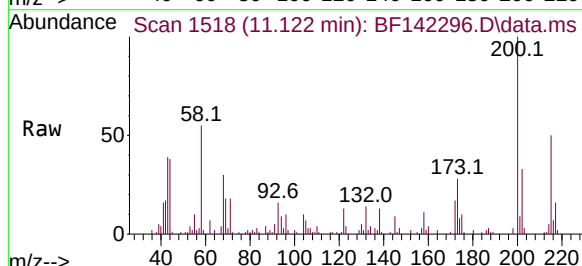
Tgt Ion:200 Resp: 30914

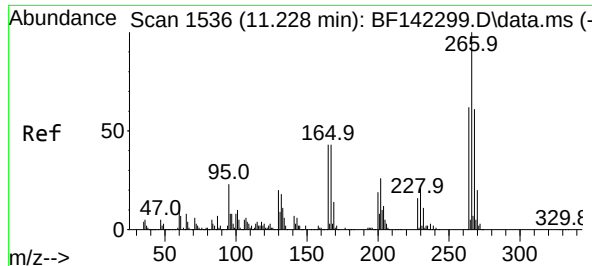
Ion Ratio Lower Upper

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# 1536

Delta R.T. -0.000 min

Lab File: BF142296.D

Acq: 05 May 2025 14:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:266 Resp: 18599

Ion Ratio Lower Upper

266 100

268 62.1 48.7 73.1

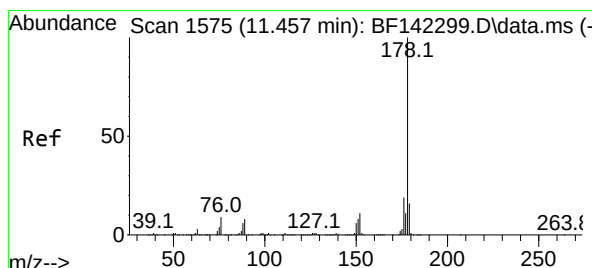
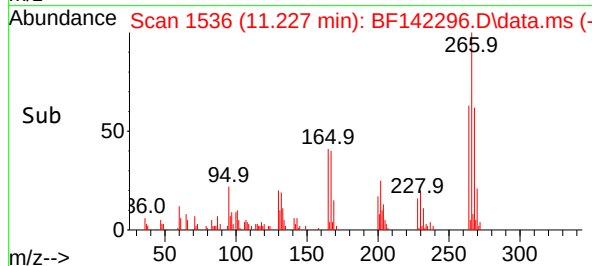
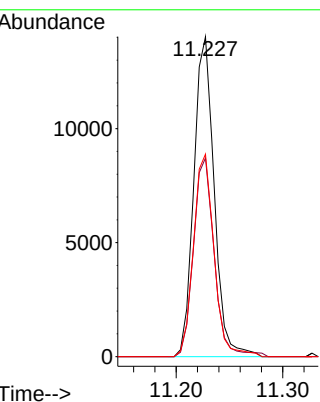
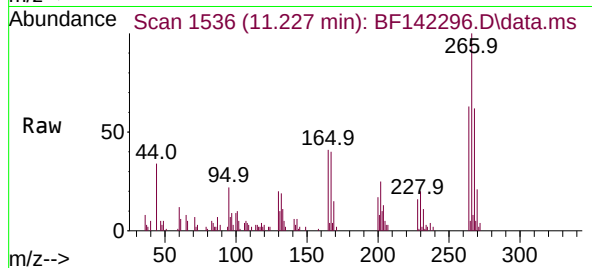
264 63.3 49.8 74.6

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

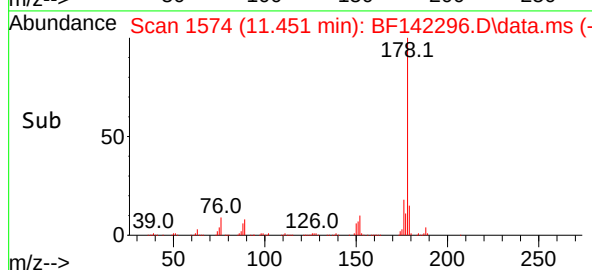
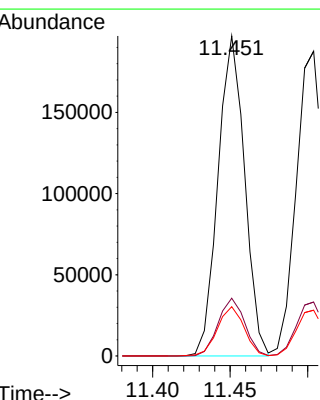
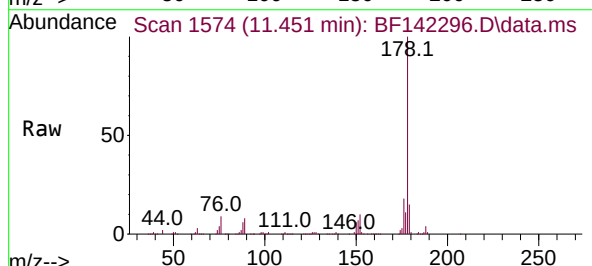
Tgt Ion:178 Resp: 235107

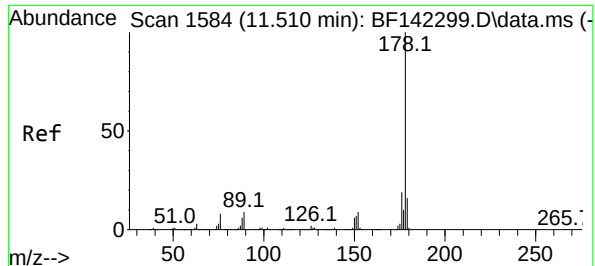
Ion Ratio Lower Upper

178 100

176 18.1 15.5 23.3

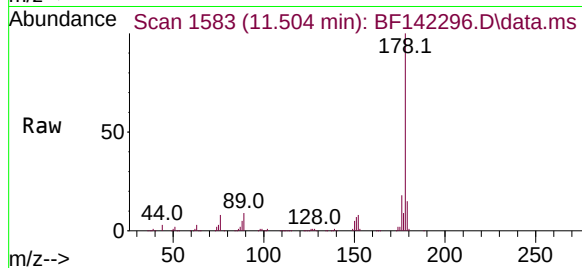
179 15.4 12.6 18.8





#72
Anthracene
Concen: 5.616 ng
RT: 11.504 min Scan# 11504
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

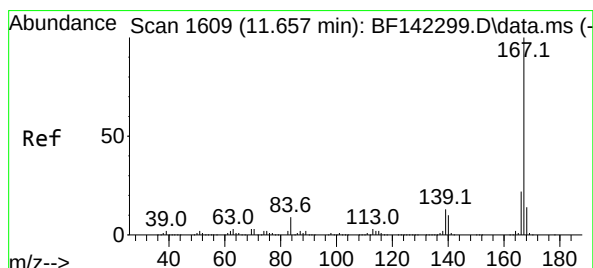
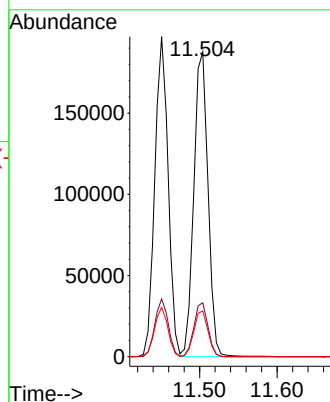
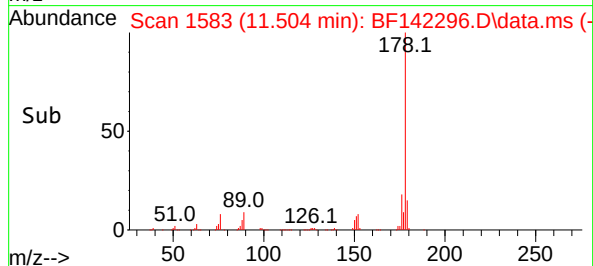
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



Tgt Ion:178 Resp: 23834
Ion Ratio Lower Upper
178 100
176 17.7 15.3 22.9
179 15.0 12.6 18.8

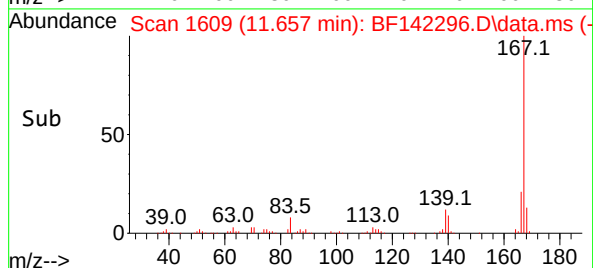
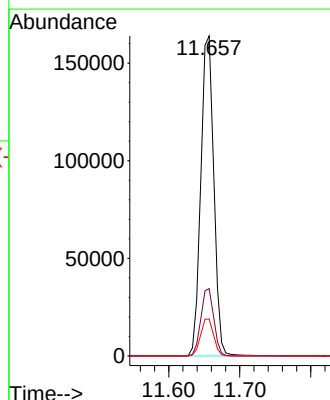
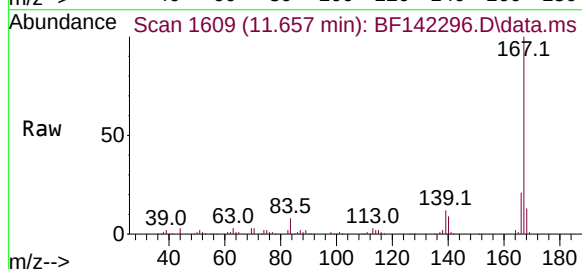
Manual Integrations
APPROVED

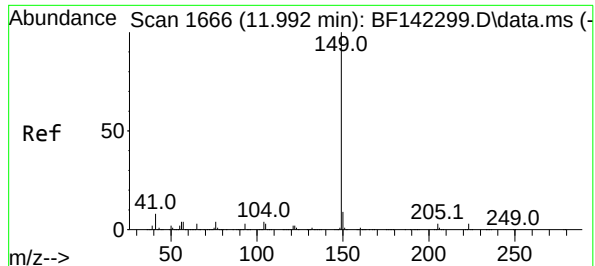
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

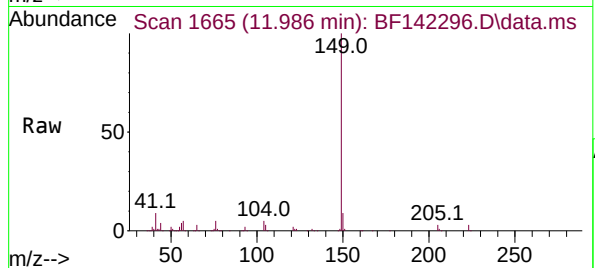
Tgt Ion:167 Resp: 209878
Ion Ratio Lower Upper
167 100
166 21.0 17.2 25.8
139 11.5 10.3 15.5





#74
Di-n-butylphthalate
Concen: 4.707 ng
RT: 11.986 min Scan# 1665
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

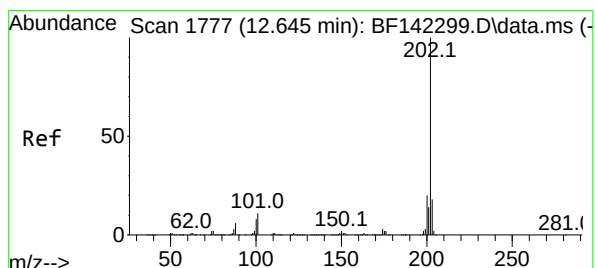
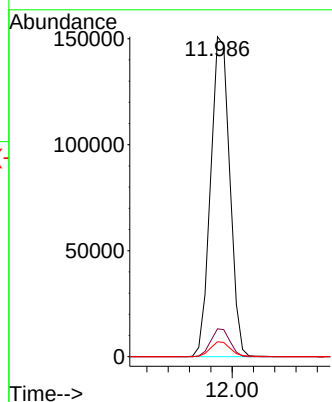
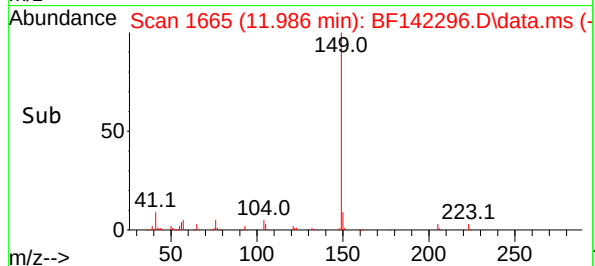
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



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

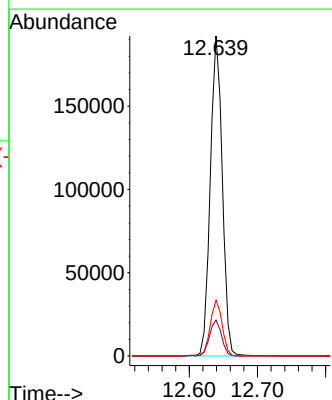
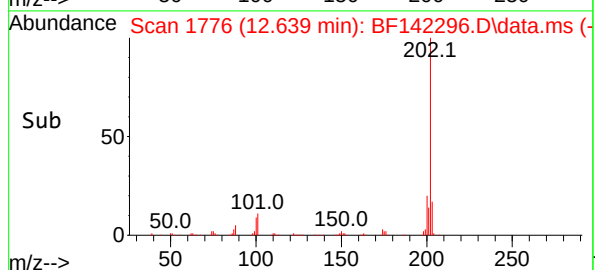
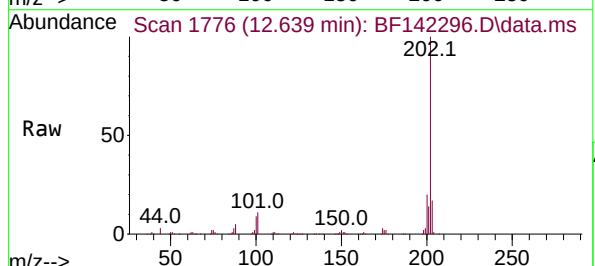
Manual Integrations
APPROVED

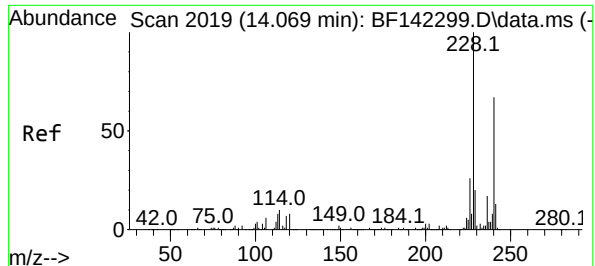
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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# 20

Delta R.T. -0.000 min

Lab File: BF142296.D

Acq: 05 May 2025 14:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:240 Resp: 553678

Ion Ratio Lower Upper

240 100

120 12.0 9.7 14.5

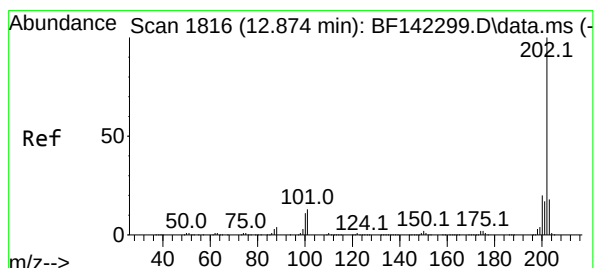
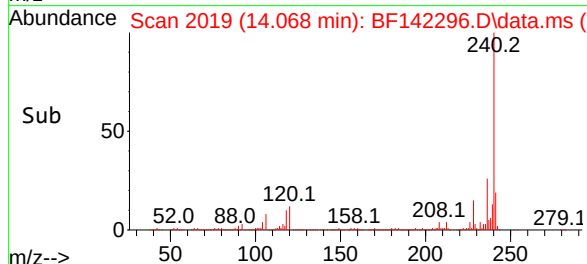
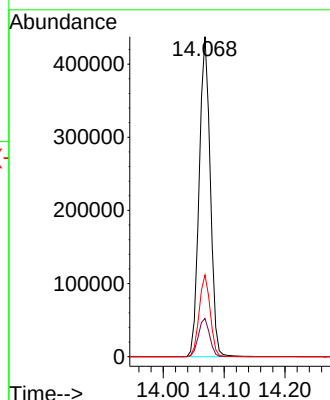
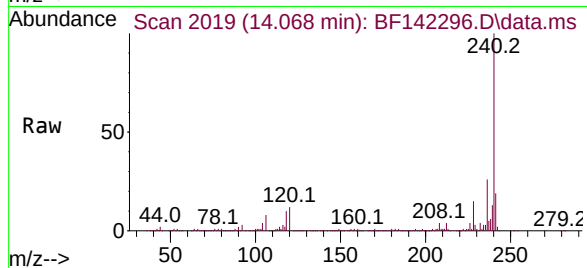
236 25.5 20.0 30.0

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

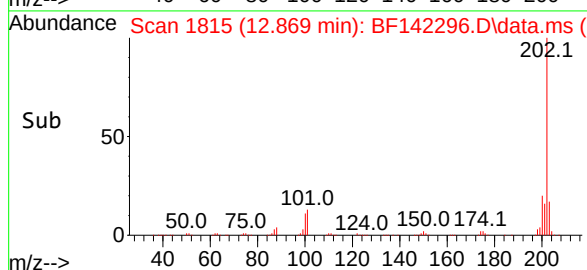
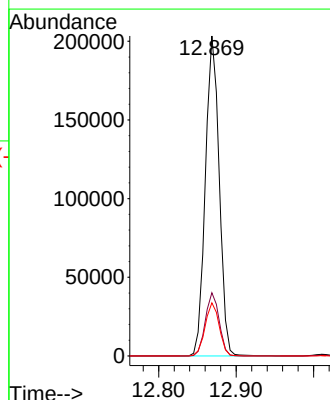
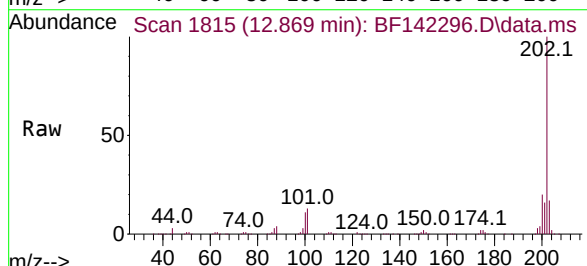
Tgt Ion:202 Resp: 252238

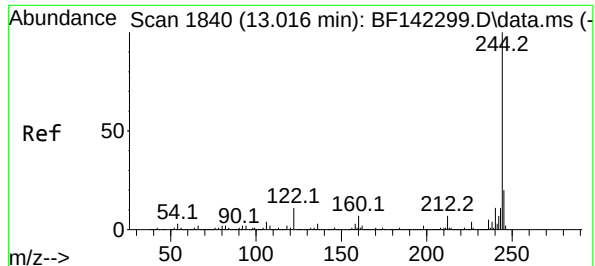
Ion Ratio Lower Upper

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# 1840

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: 41331

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.2

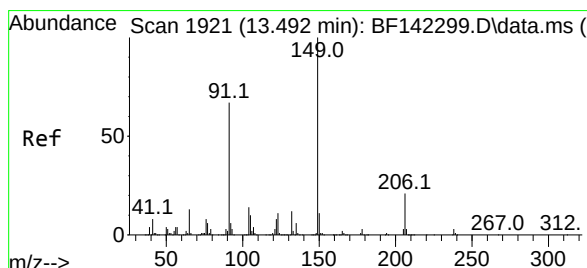
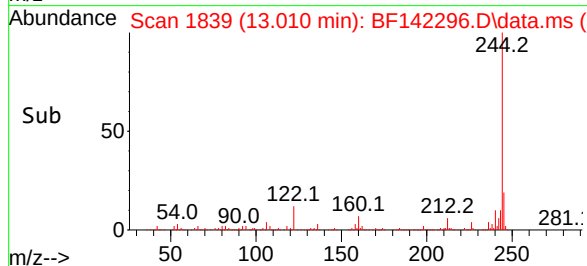
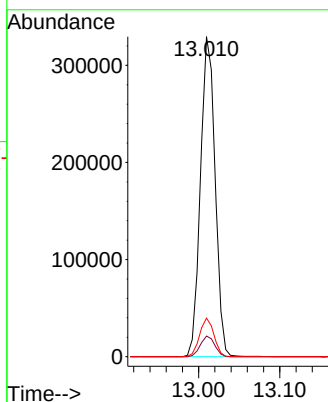
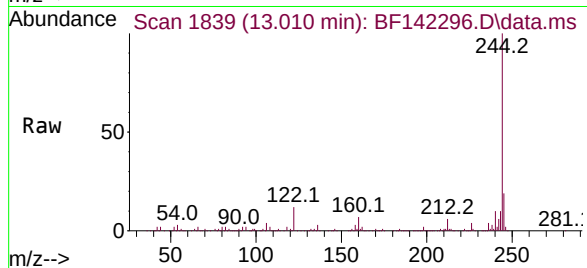
122 12.1 9.0 13.4

Manual Integrations

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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

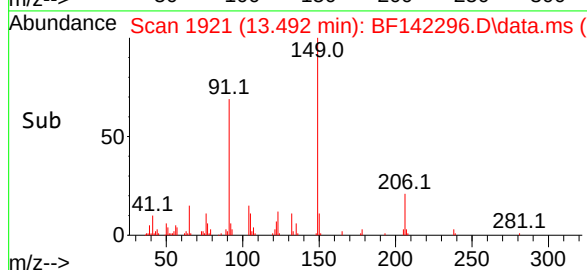
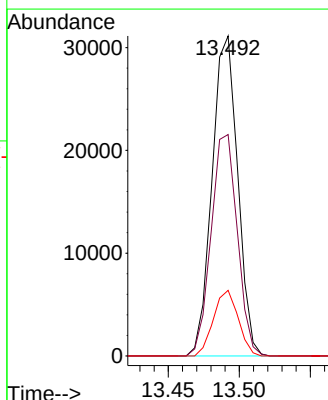
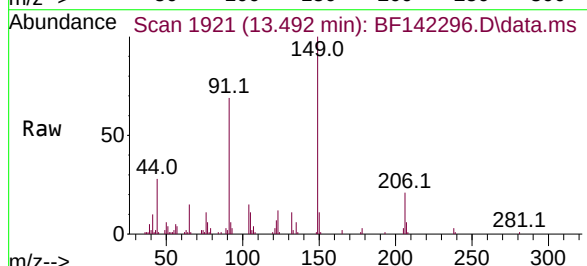
Tgt Ion:149 Resp: 39082

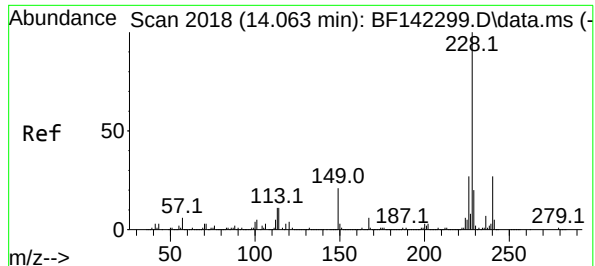
Ion Ratio Lower Upper

149 100

91 69.2 53.8 80.6

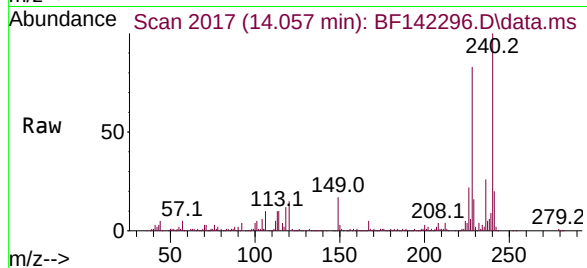
206 20.5 16.6 24.8





#81
Benzo(a)anthracene
Concen: 5.289 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

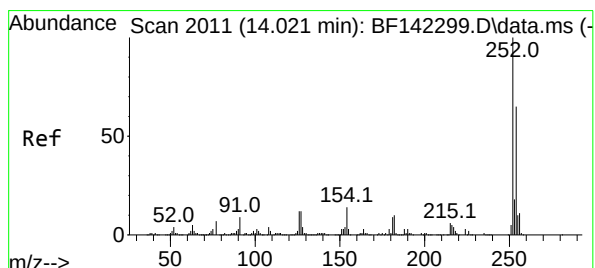
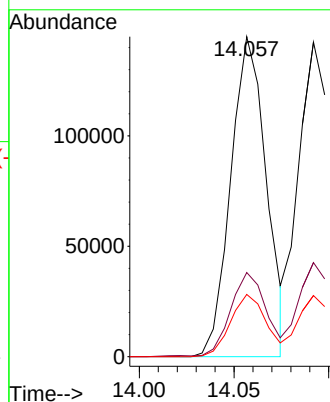
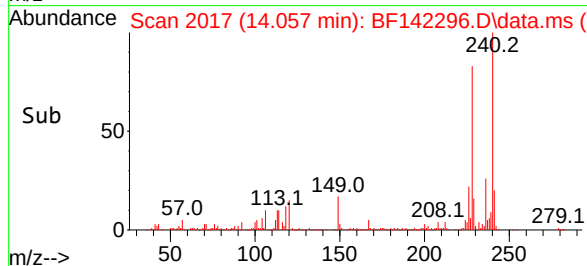
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



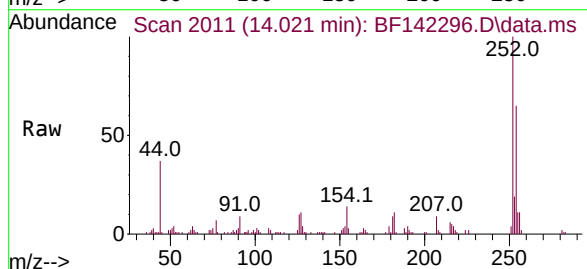
Tgt Ion:228 Resp: 189654
Ion Ratio Lower Upper
228 100
226 26.3 21.5 32.3
229 19.4 15.9 23.9

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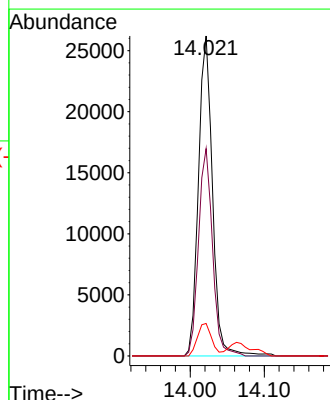
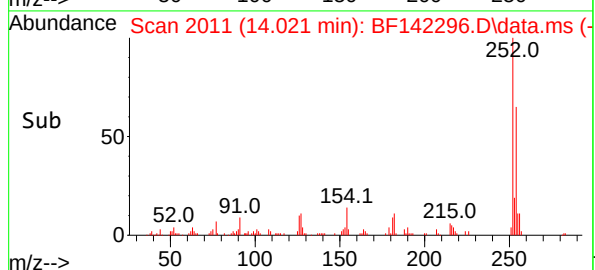
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

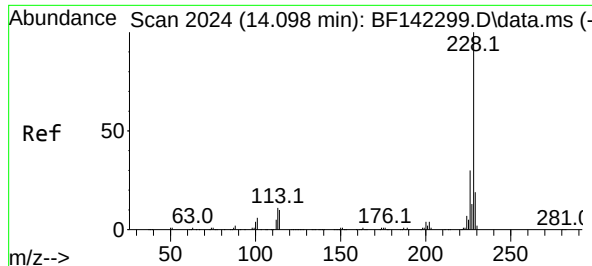


#82
3,3'-Dichlorobenzidine
Concen: 4.143 ng
RT: 14.021 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23



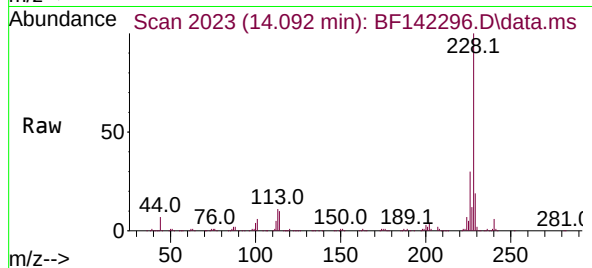
Tgt Ion:252 Resp: 34544
Ion Ratio Lower Upper
252 100
254 64.8 52.0 78.0
126 10.1 9.7 14.5





#83
Chrysene
Concen: 5.365 ng
RT: 14.092 min Scan# 2023
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

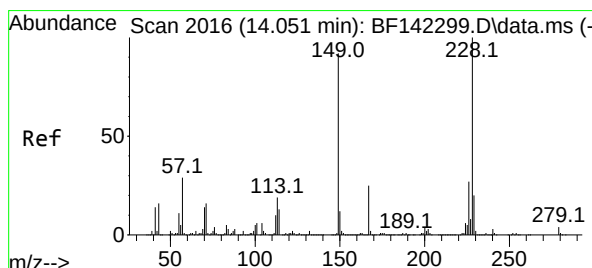
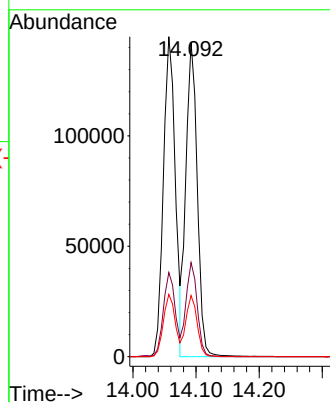
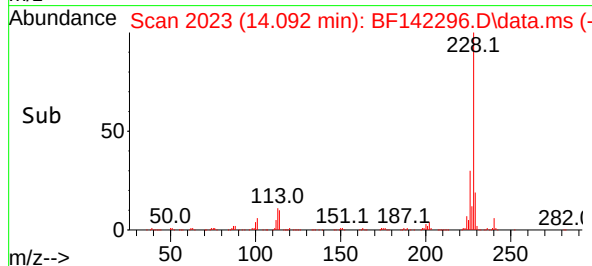
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



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

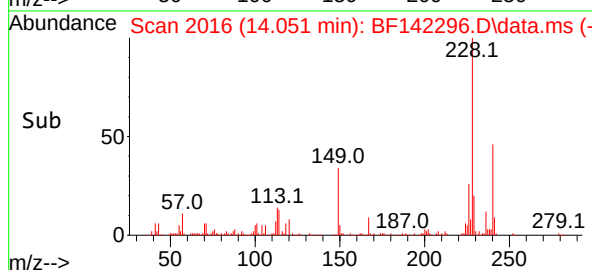
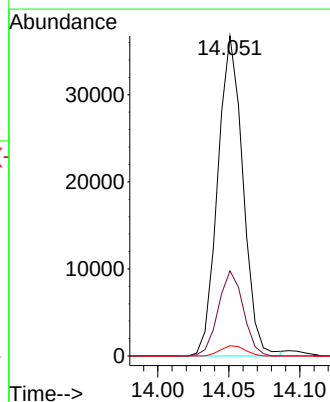
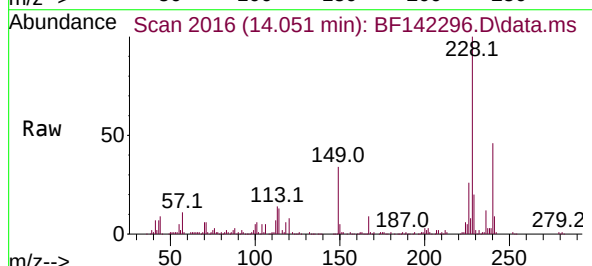
Manual Integrations
APPROVED

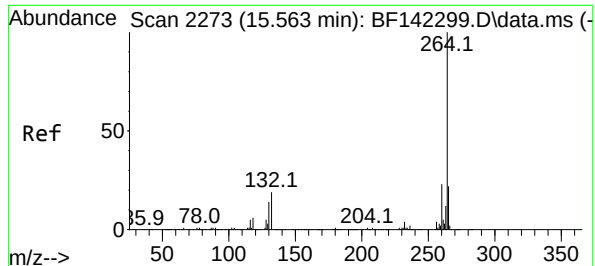
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

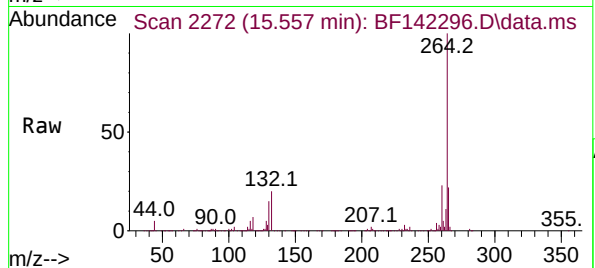
Tgt Ion:149 Resp: 45343
Ion Ratio Lower Upper
149 100
167 26.6 22.0 33.0
279 3.2 3.0 4.6





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.557 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

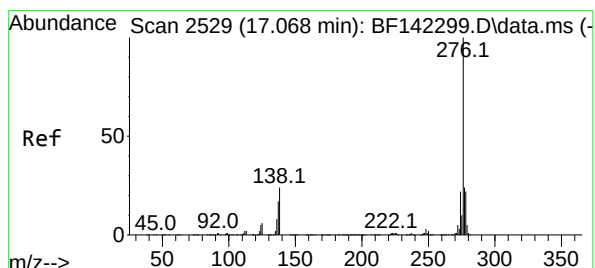
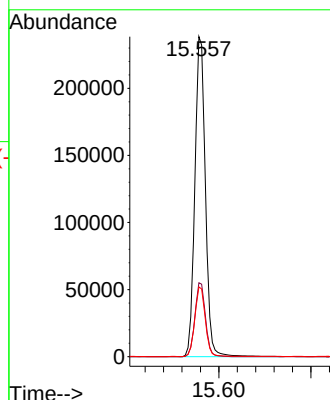
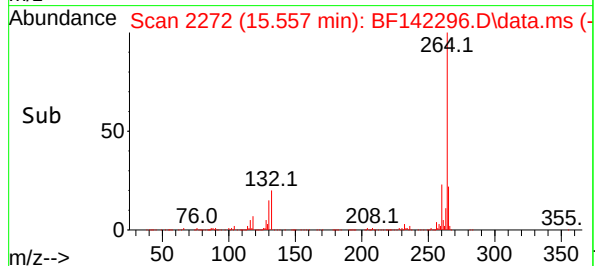
Instrument :
BNA_F
ClientSampleId :
SSTDICC005



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

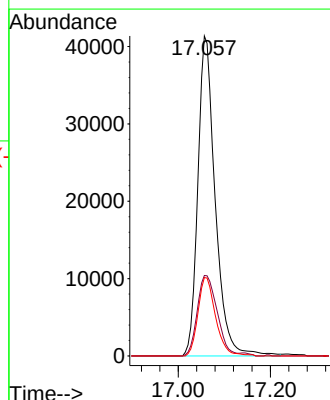
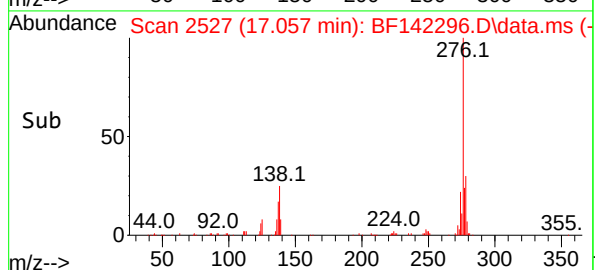
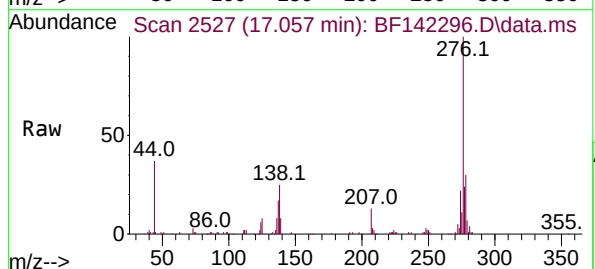
Manual Integrations
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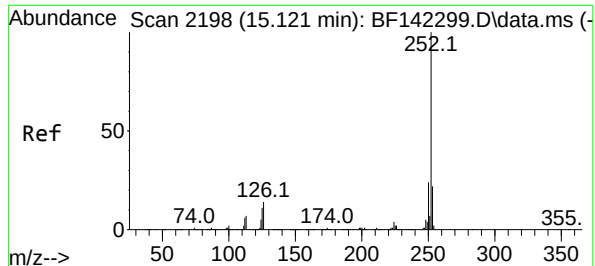
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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# 2198

Delta R.T. -0.006 min

Lab File: BF142296.D

Acq: 05 May 2025 14:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:252 Resp: 12366

Ion Ratio Lower Upper

252 100

253 22.7 17.7 26.5

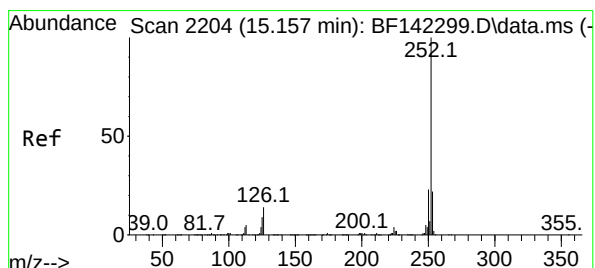
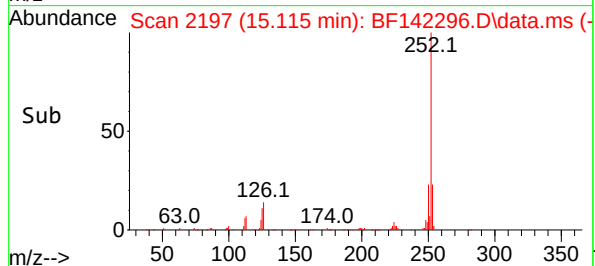
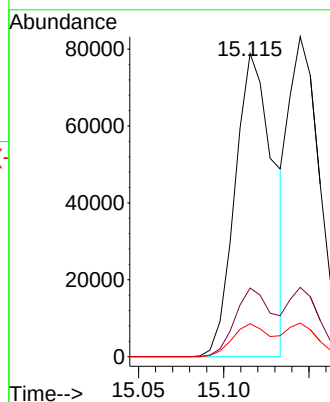
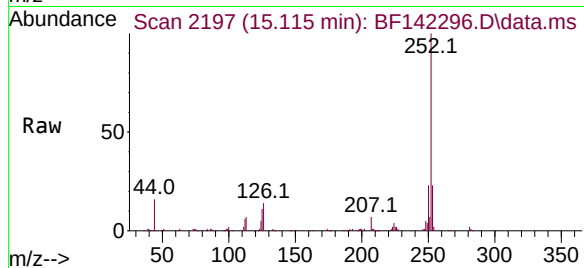
125 10.9 8.7 13.1

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

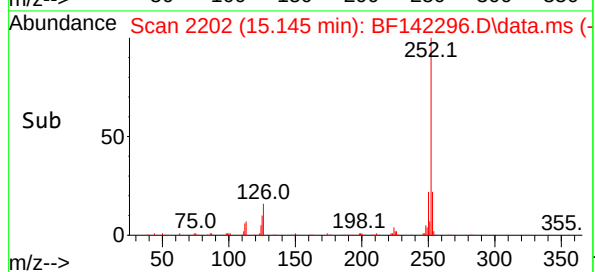
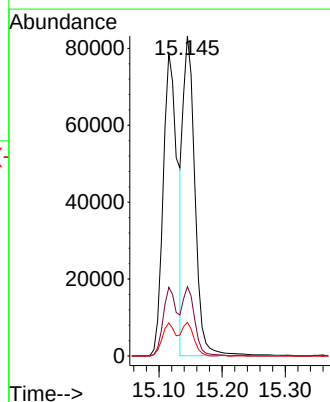
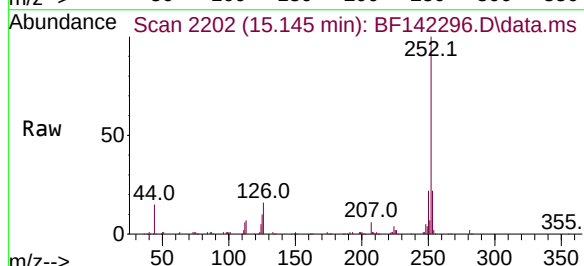
Tgt Ion:252 Resp: 109149

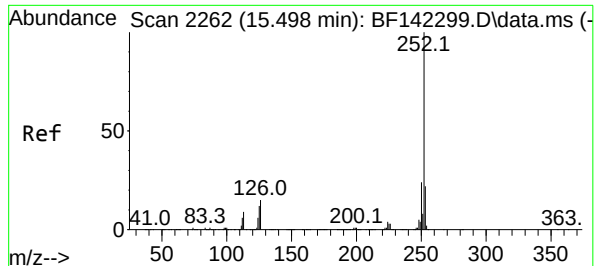
Ion Ratio Lower Upper

252 100

253 21.6 17.6 26.4

125 10.5 8.1 12.1





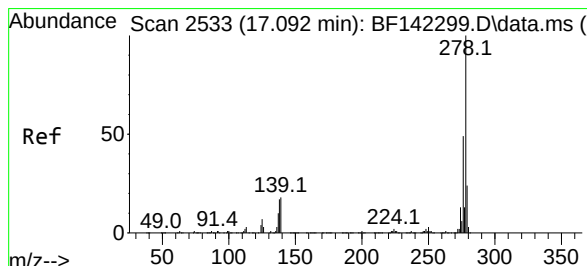
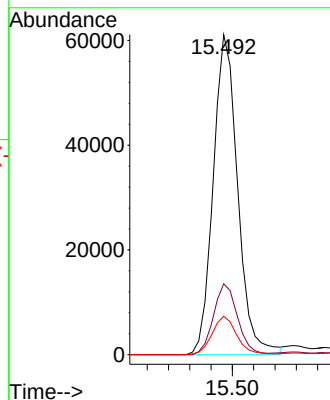
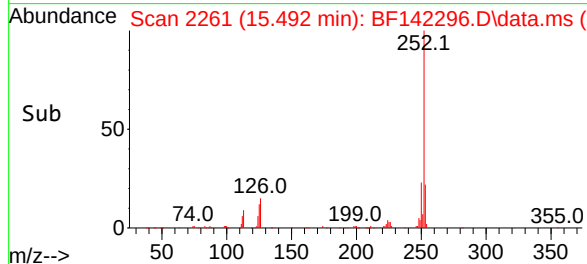
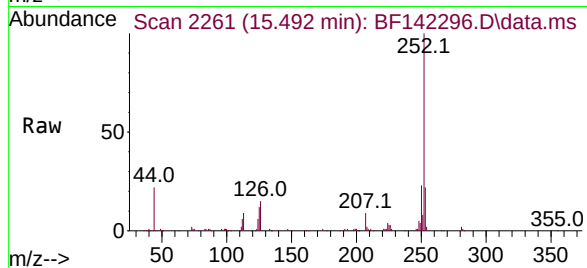
#90
Benzo(a)pyrene
Concen: 4.761 ng
RT: 15.492 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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

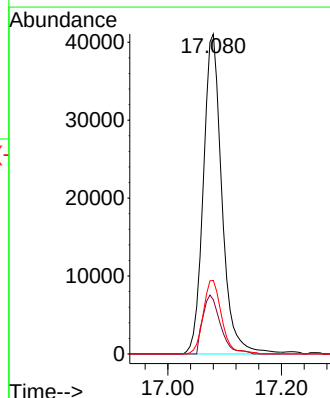
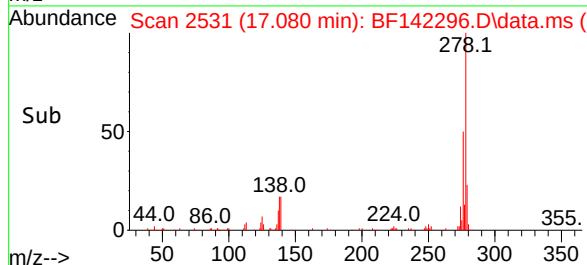
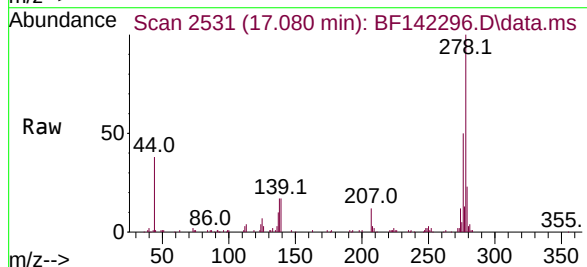
Manual Integrations
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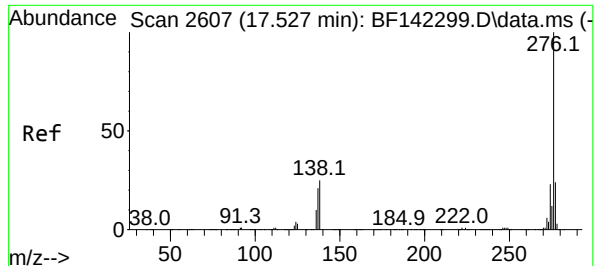
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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# 20

Delta R.T. -0.018 min

Lab File: BF142296.D

Acq: 05 May 2025 14:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

Tgt Ion:276 Resp: 91492

Ion Ratio Lower Upper

276 100

277 24.6 19.0 28.6

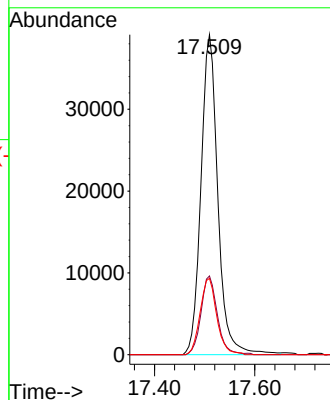
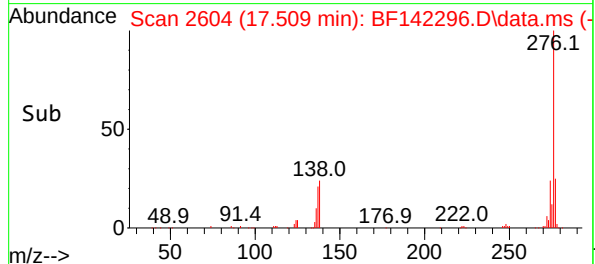
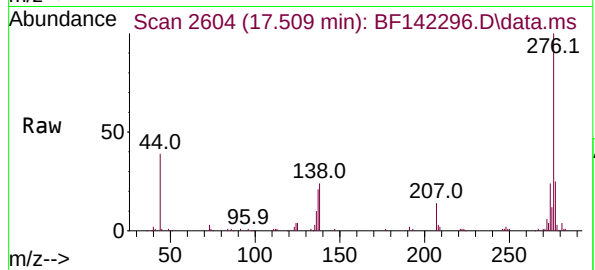
138 23.8 19.8 29.6

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
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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

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 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
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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

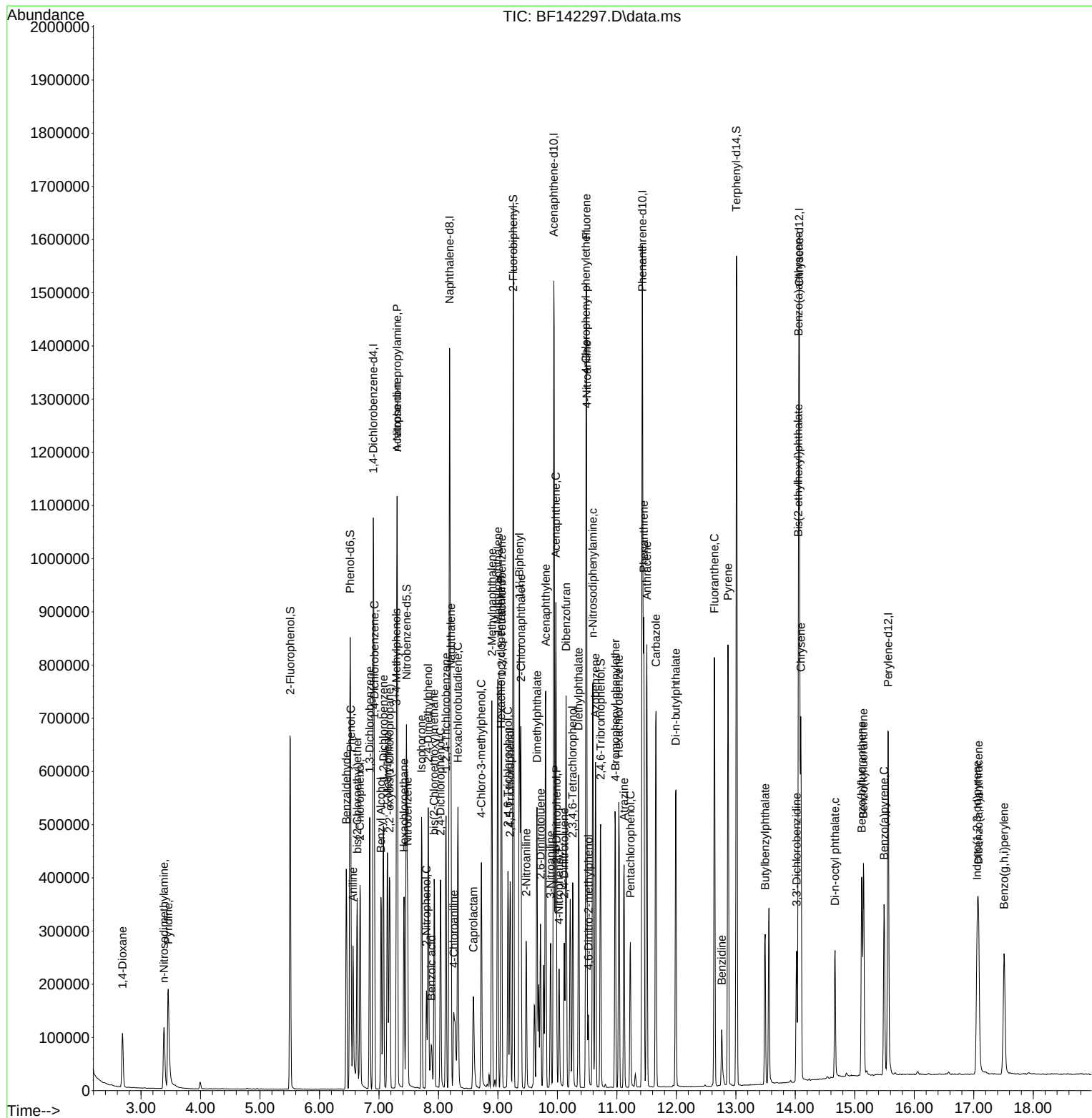
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	79827	9.429	ng	97
46) 1,1'-Biphenyl	9.363	154	370629	10.702	ng	98
47) 2-Chloronaphthalene	9.386	162	270501	10.503	ng	98
48) 2-Nitroaniline	9.475	65	54180	8.208	ng	97
49) Acenaphthylene	9.804	152	457356	10.616	ng	99
50) 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

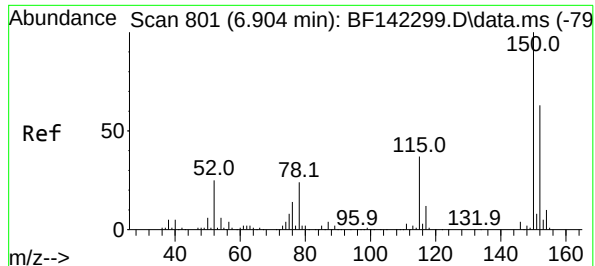
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Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Manual Integrations

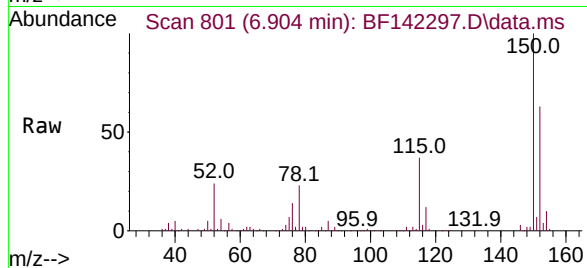
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

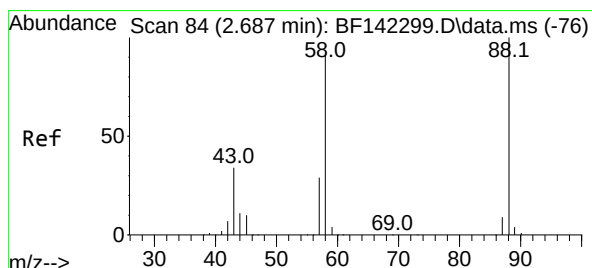
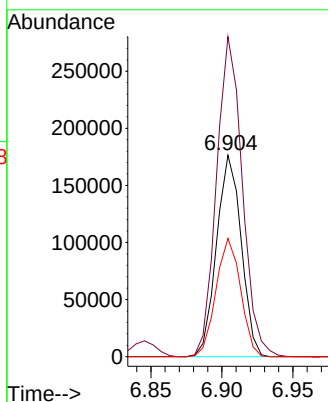
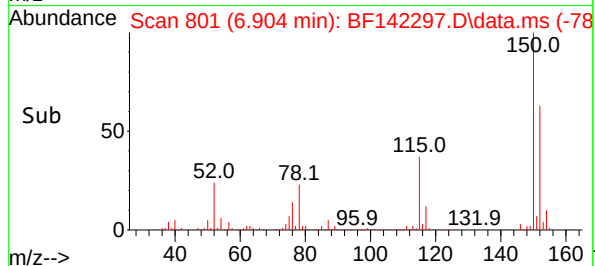
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:152 Resp: 21290
Ion Ratio Lower Upper
152 100
150 158.9 126.6 190.0
115 58.7 47.3 70.9

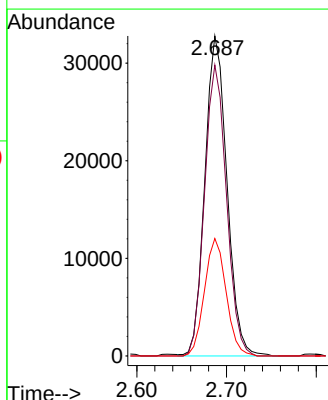
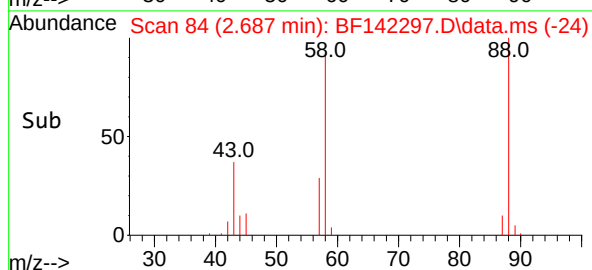
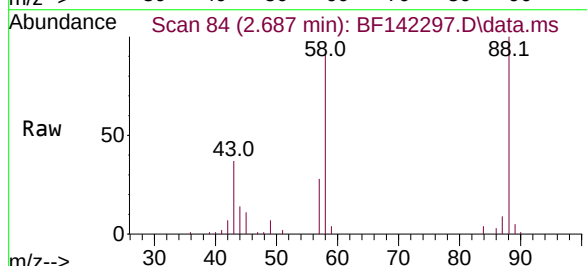
Manual Integrations
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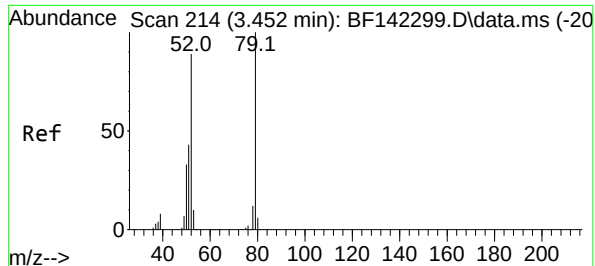
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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# 214

Delta R.T. 0.006 min

Lab File: BF142297.D

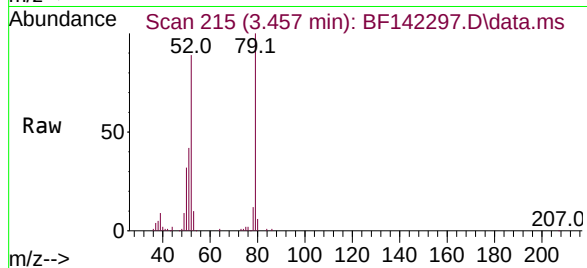
Acq: 05 May 2025 14:52

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



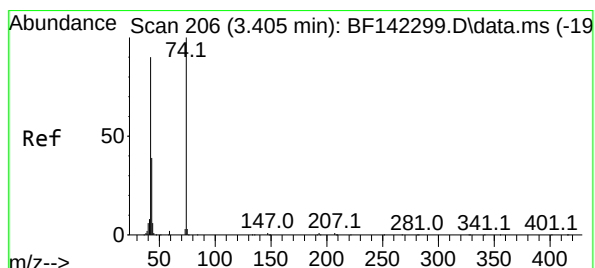
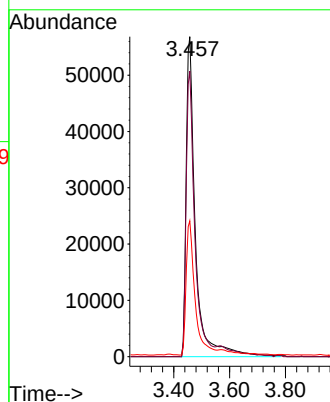
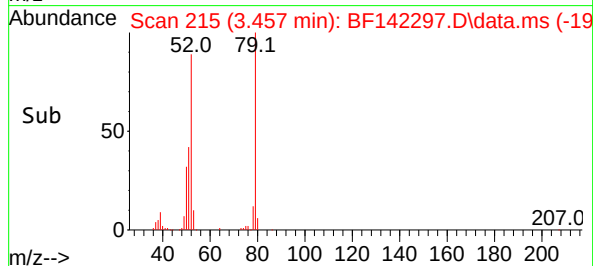
Tgt Ion:	79	Resp:	13128
Ion Ratio	Lower	Upper	
79	100		
52	89.3	71.0	106.4
51	42.5	34.9	52.3

Manual Integrations

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Reviewed By :Rahul Chavli 05/06/2025

Supervised By :Jagrut Upadhyay 05/06/2025



#4

n-Nitrosodimethylamine

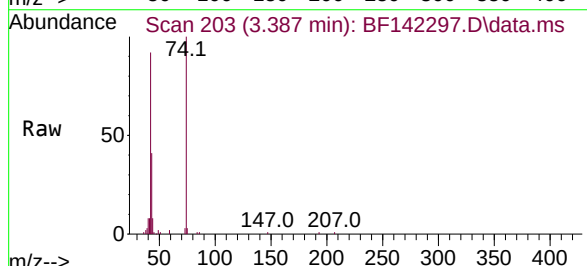
Concen: 9.819 ng

RT: 3.387 min Scan# 203

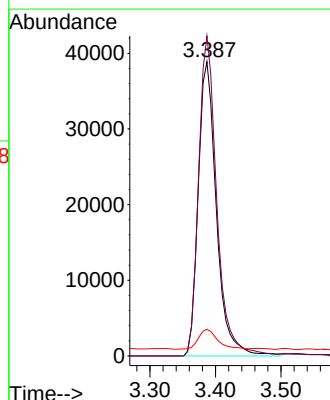
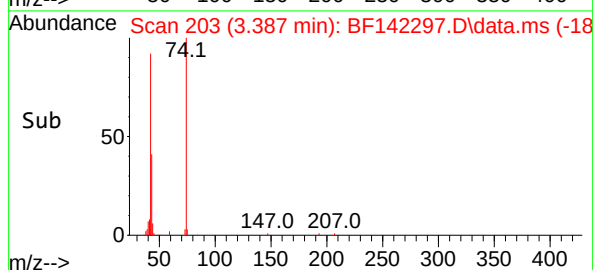
Delta R.T. -0.018 min

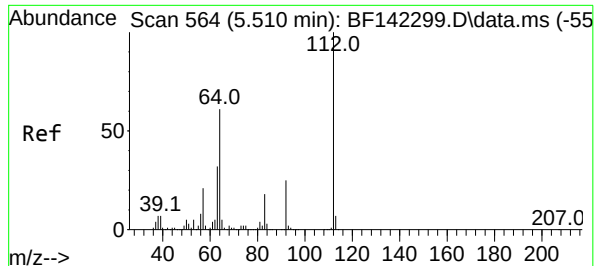
Lab File: BF142297.D

Acq: 05 May 2025 14:52



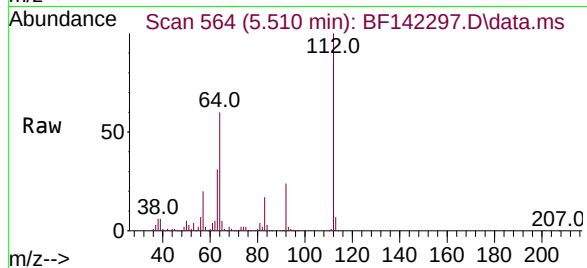
Tgt Ion:	42	Resp:	75254
Ion Ratio	Lower	Upper	
42	100		
74	108.7	88.5	132.7
44	9.1	5.8	8.8





#5
2-Fluorophenol
Concen: 20.086 ng
RT: 5.510 min Scan# 50
Delta R.T. 0.000 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

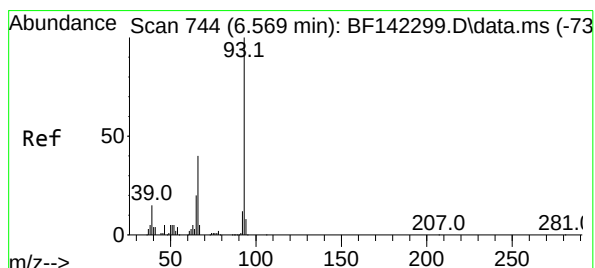
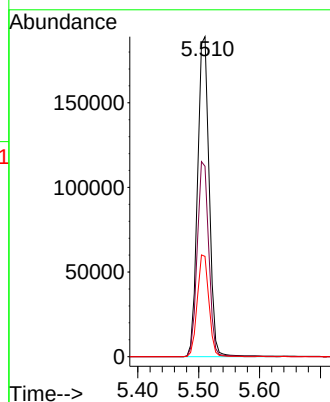
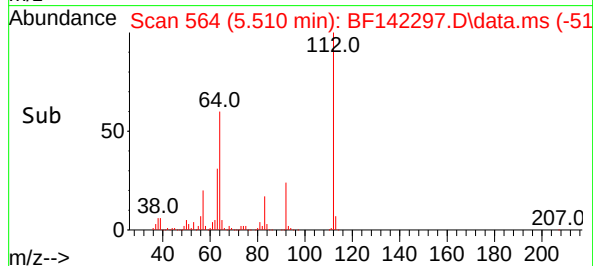
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

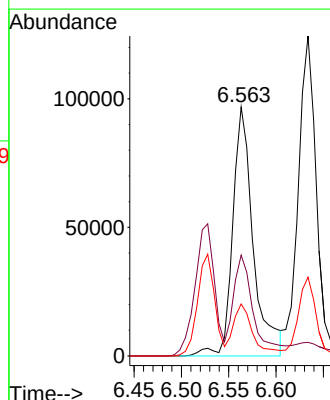
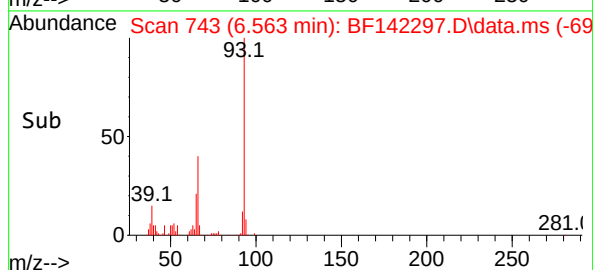
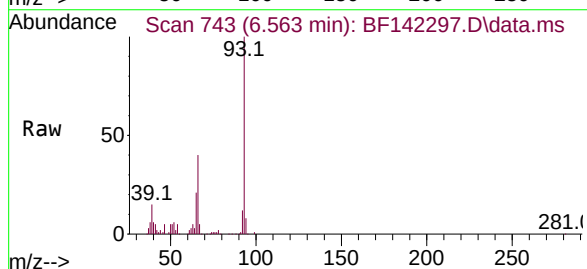
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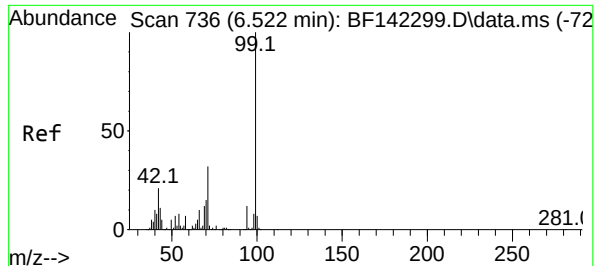
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

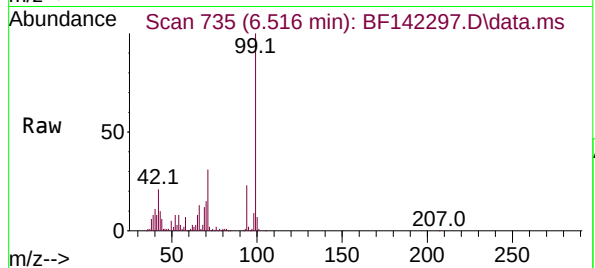
Tgt Ion: 93 Resp: 145801
Ion Ratio Lower Upper
93 100
66 40.5 32.2 48.4
65 20.9 16.3 24.5





#7
Phenol-d6
Concen: 20.240 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

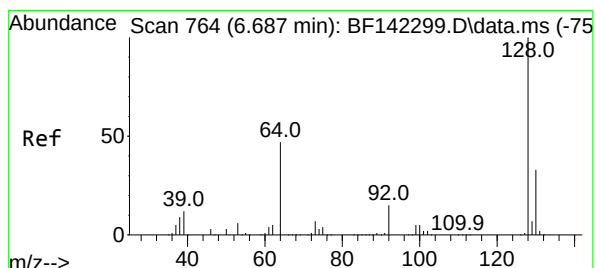
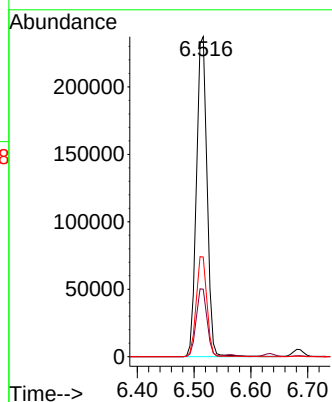
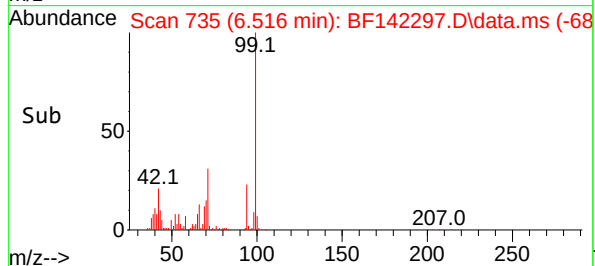
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

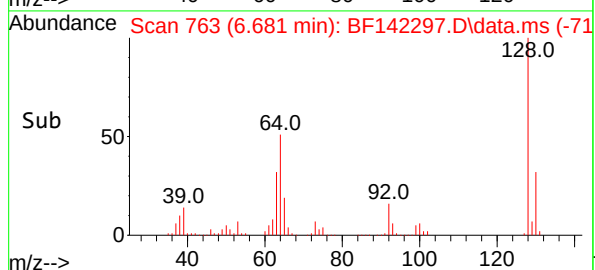
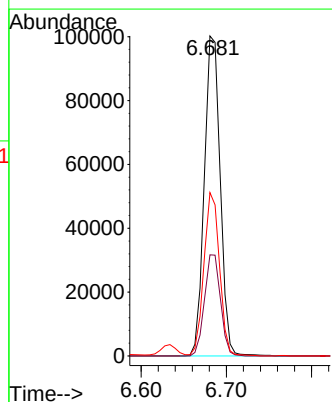
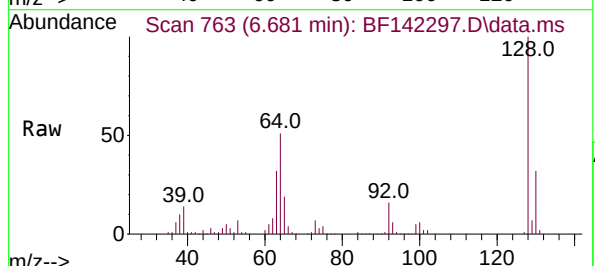
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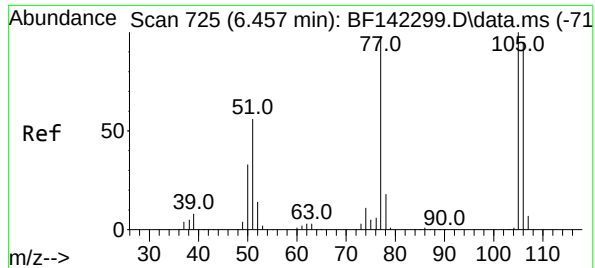
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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# 71

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: 10208

Ion Ratio Lower Upper

77 100

105 101.9 82.0 122.0

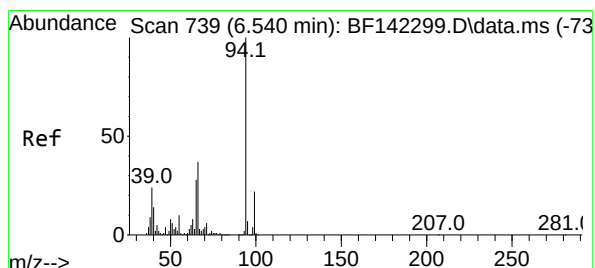
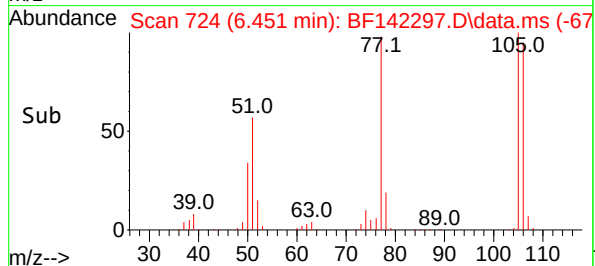
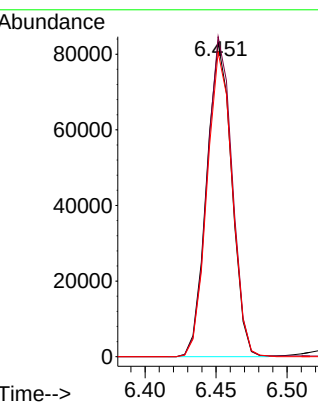
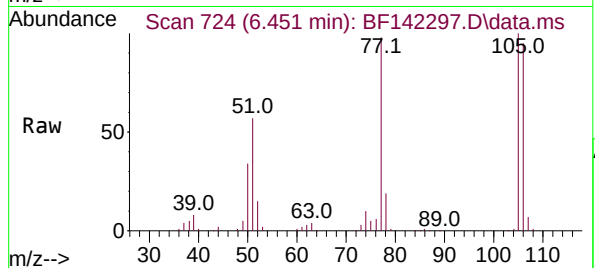
106 96.9 77.2 117.2

Manual Integrations

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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

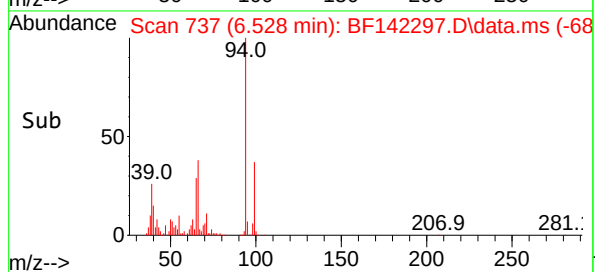
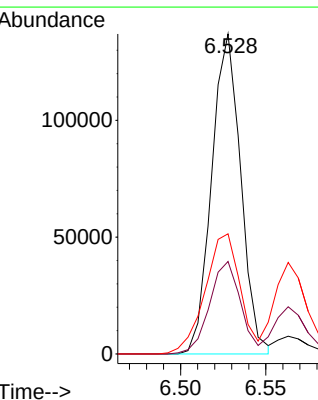
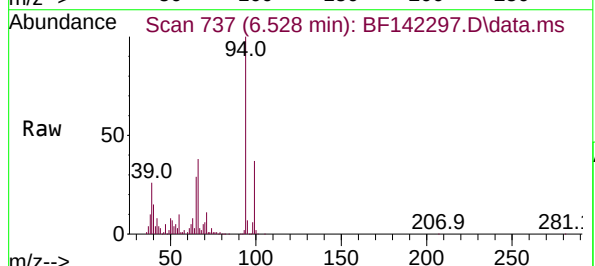
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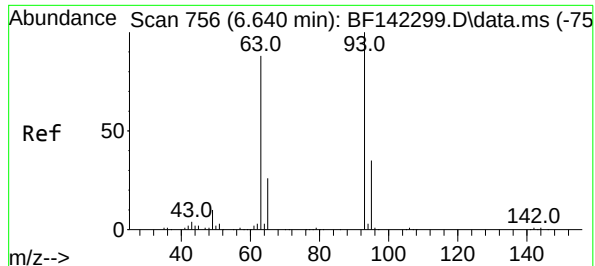
Ion Ratio Lower Upper

94 100

65 28.9 8.5 48.5

66 37.5 17.3 57.3





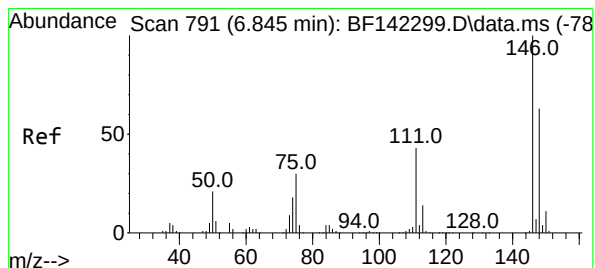
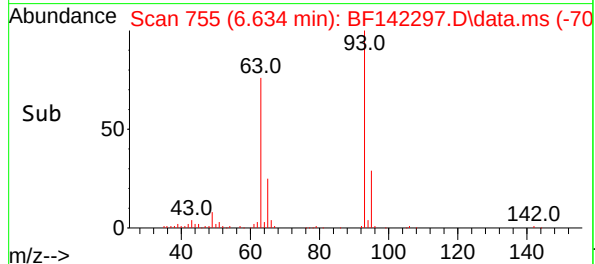
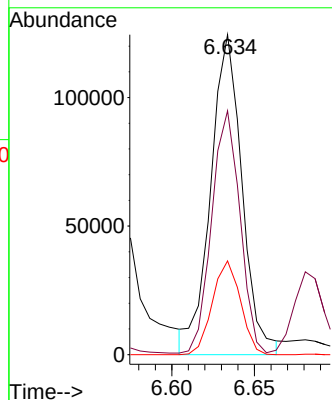
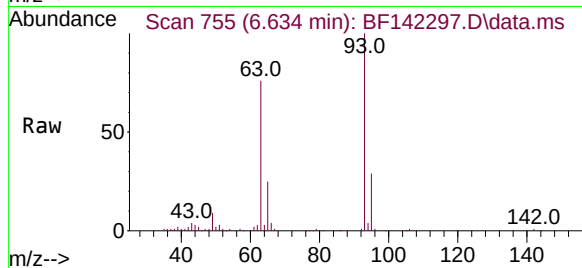
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bis(2-Chloroethyl)ether
Concen: 10.242 ng m
RT: 6.634 min Scan# 755
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 93 Resp: 164220
Ion Ratio Lower Upper
93 100
63 76.2 58.4 98.4
95 29.3 10.6 50.6

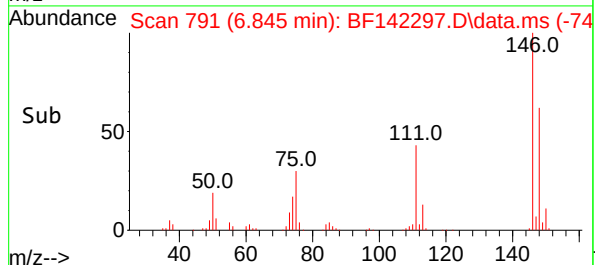
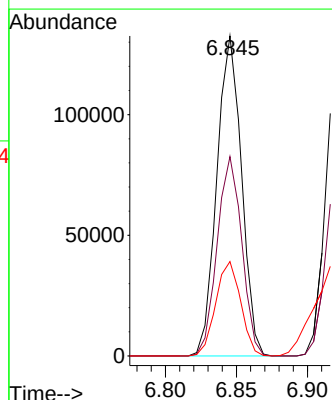
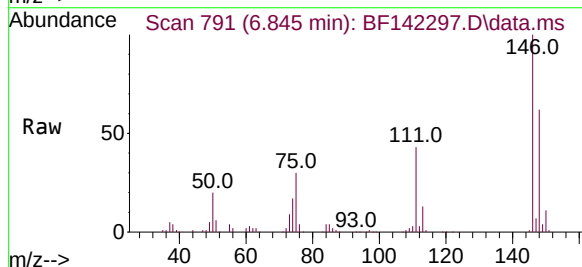
Manual Integrations
APPROVED

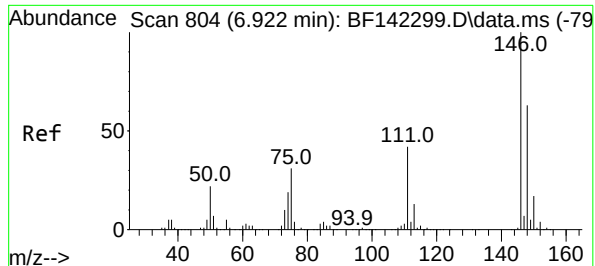
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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# 804

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

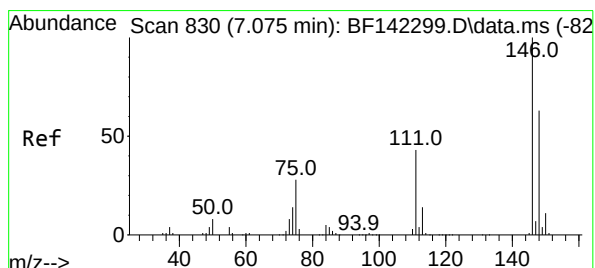
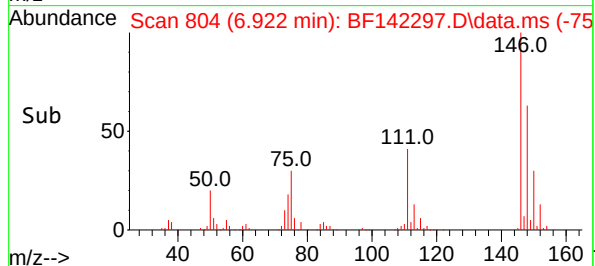
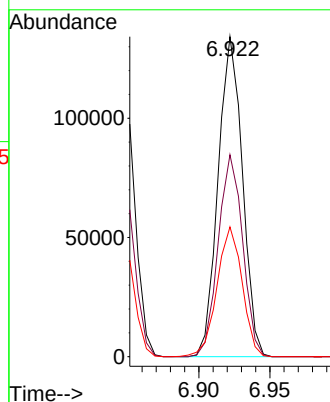
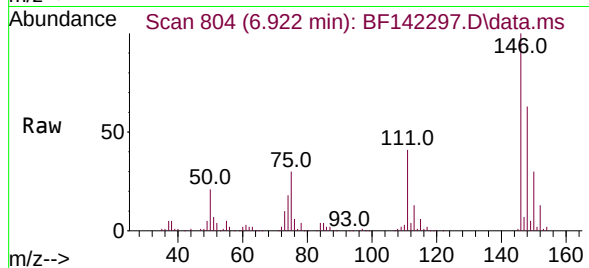
111 40.6 33.4 50.2

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

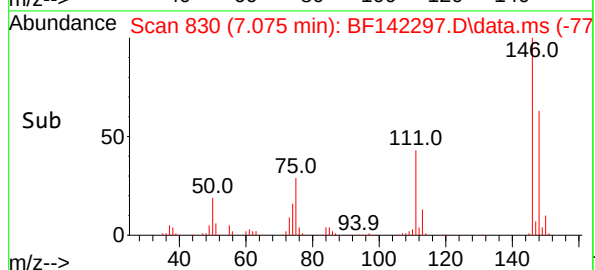
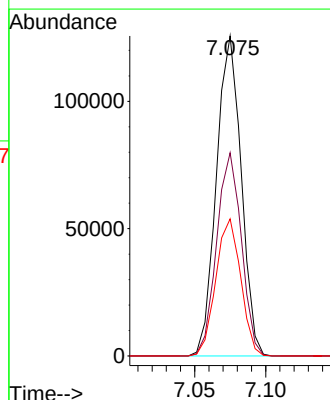
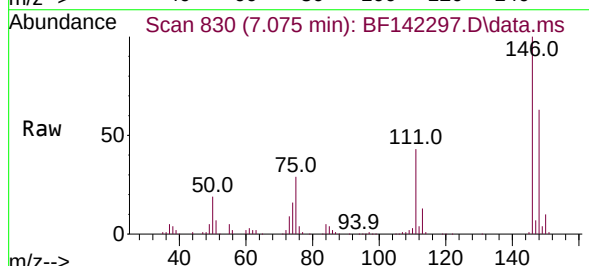
Tgt Ion:146 Resp: 152479

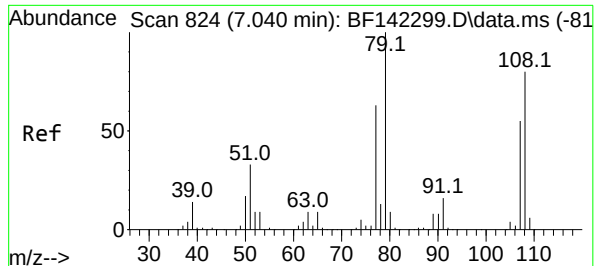
Ion Ratio Lower Upper

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# 81

Delta R.T. -0.006 min

Lab File: BF142297.D

Acq: 05 May 2025 14:52

Instrument :

BNA_F

ClientSampleId :

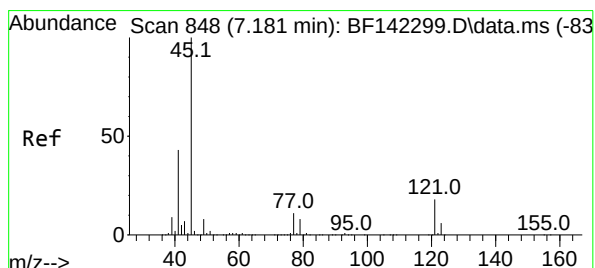
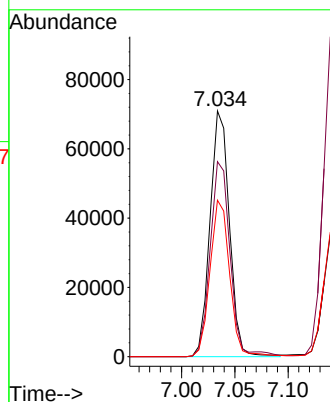
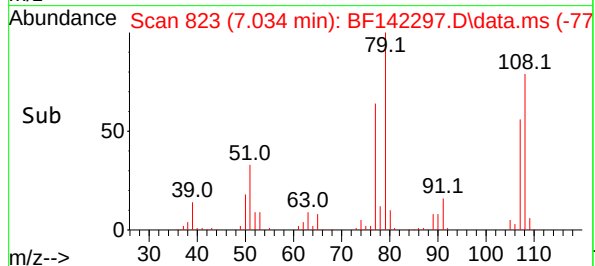
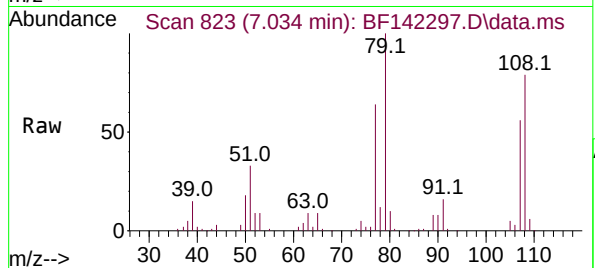
SSTDICC010

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

Manual Integrations

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



#16

2,2'-oxybis(1-Chloropropane)

Concen: 10.270 ng

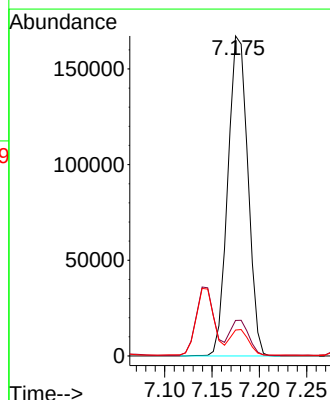
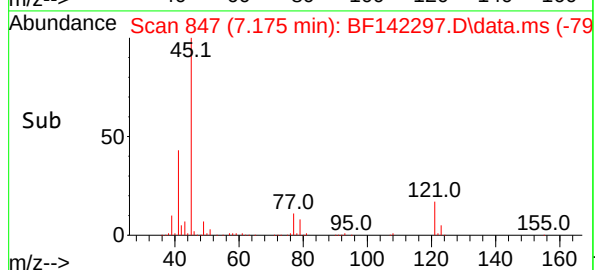
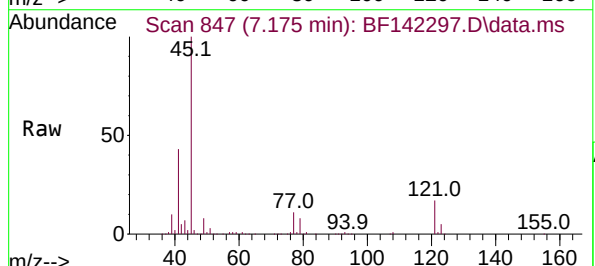
RT: 7.175 min Scan# 847

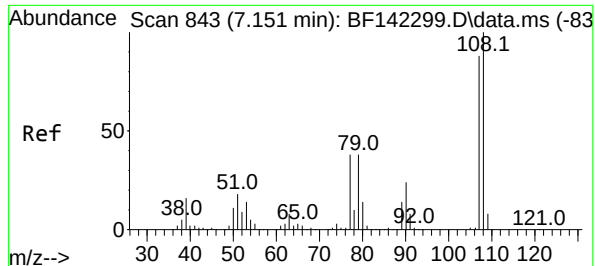
Delta R.T. -0.006 min

Lab File: BF142297.D

Acq: 05 May 2025 14:52

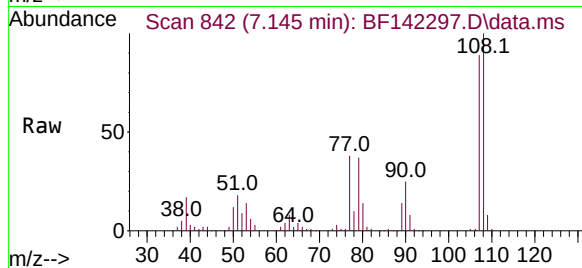
Tgt Ion:	45	Resp:	245918
Ion	Ratio	Lower	Upper
45	100		
77	11.1	0.0	31.2
79	8.1	0.0	28.5





#17
2-Methylphenol
Concen: 9.947 ng
RT: 7.145 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

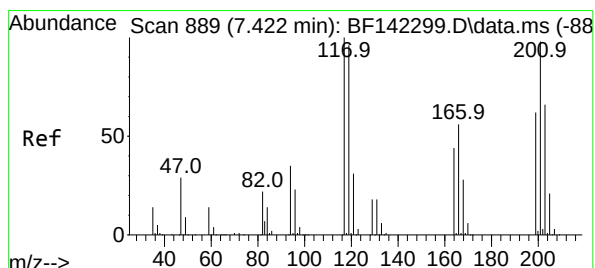
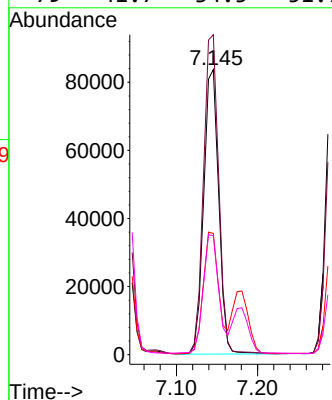
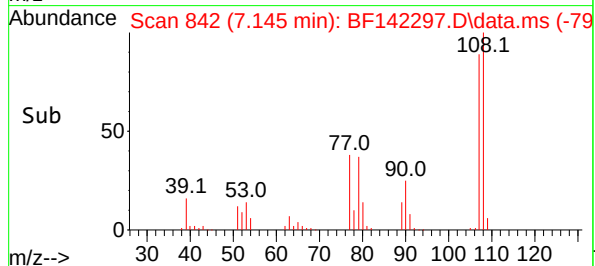
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:107 Resp: 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

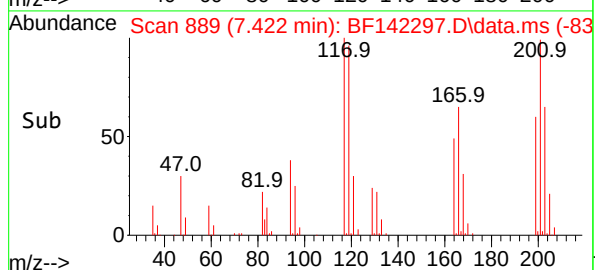
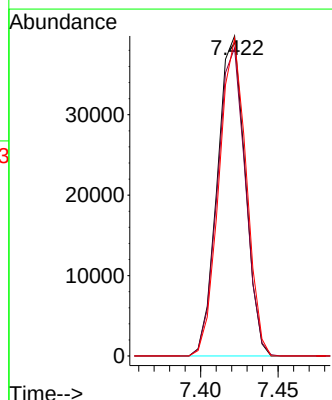
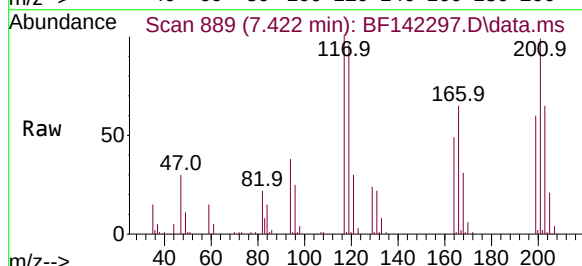
Manual Integrations
APPROVED

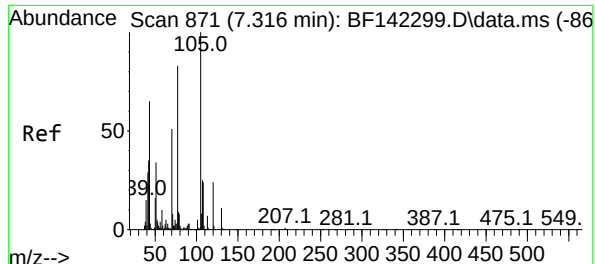
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

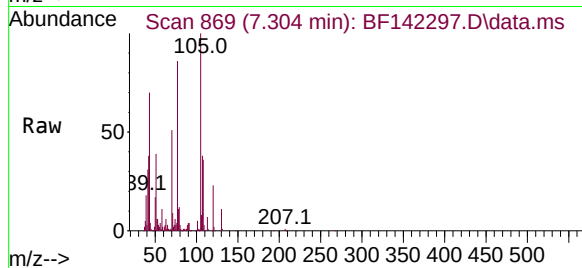
Tgt Ion:117 Resp: 49420
Ion Ratio Lower Upper
117 100
119 96.3 76.9 115.3
201 99.2 78.0 117.0





#19
n-Nitroso-di-n-propylamine
Concen: 10.264 ng
RT: 7.304 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

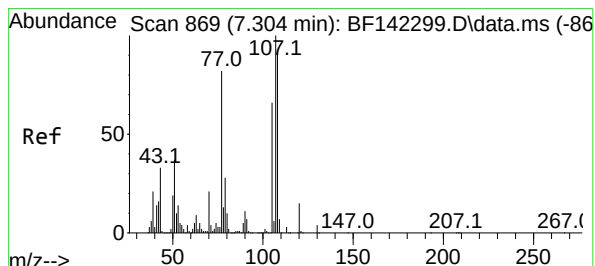
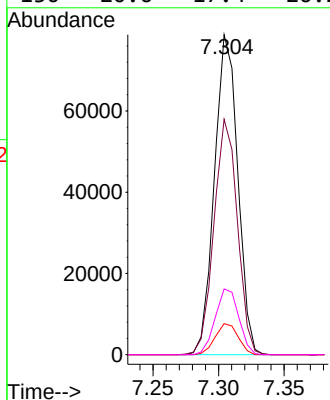
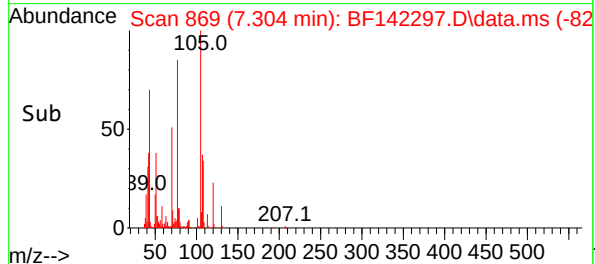
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

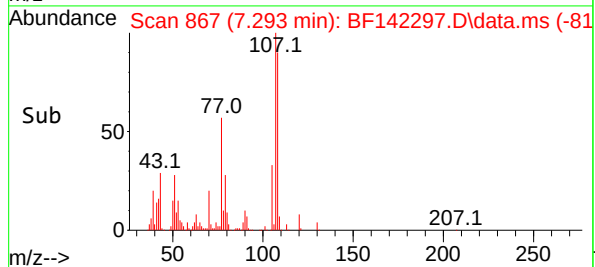
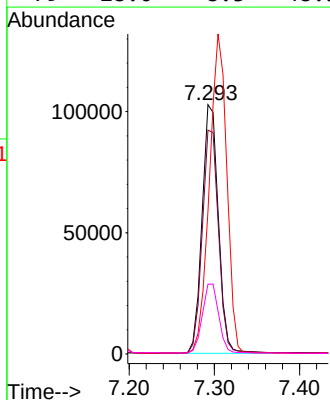
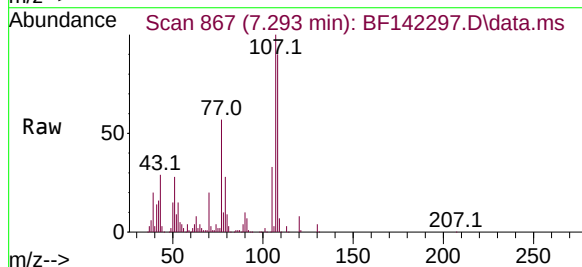
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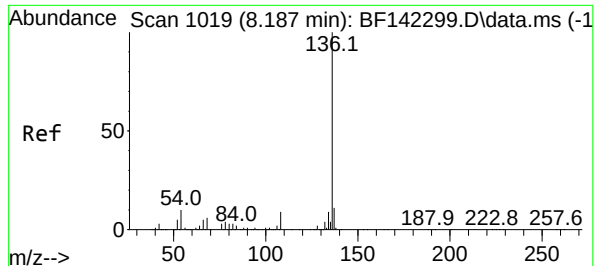
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

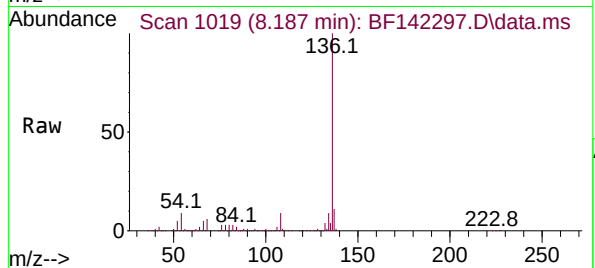
Tgt Ion:107 Resp: 136376
Ion Ratio Lower Upper
107 100
108 89.8 71.5 111.5
77 57.2 61.6 101.6#
79 28.0 8.3 48.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

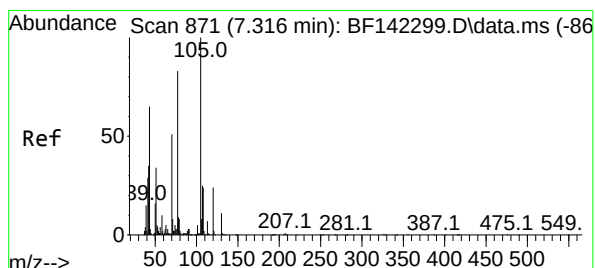
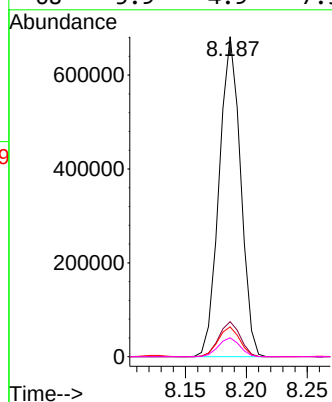
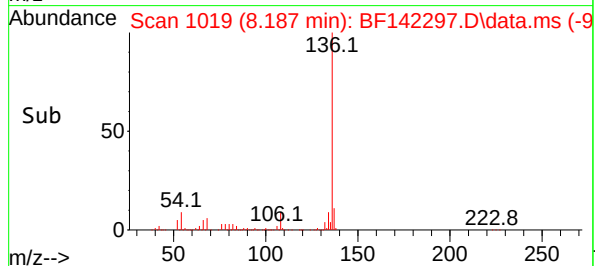
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



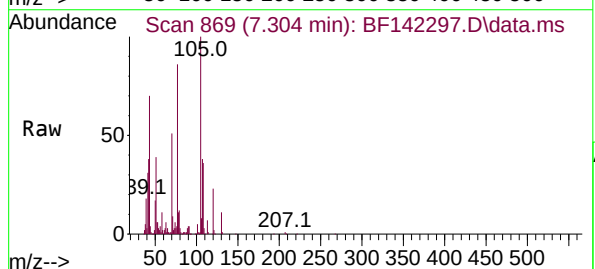
Tgt Ion:136 Resp: 834021
Ion Ratio Lower Upper
136 100
137 11.0 8.9 13.3
54 9.3 7.7 11.5
68 5.9 4.9 7.3

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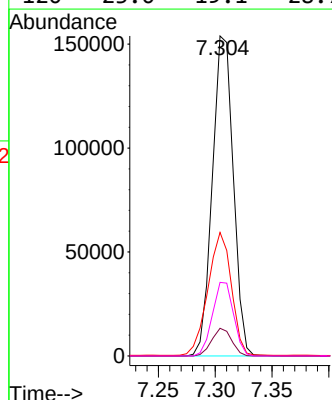
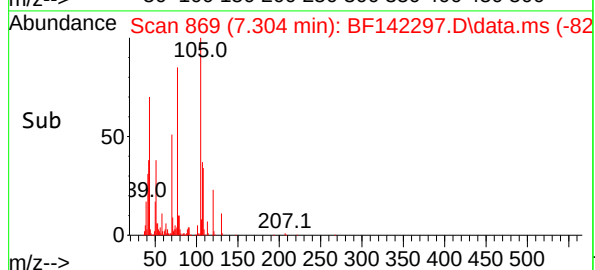
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

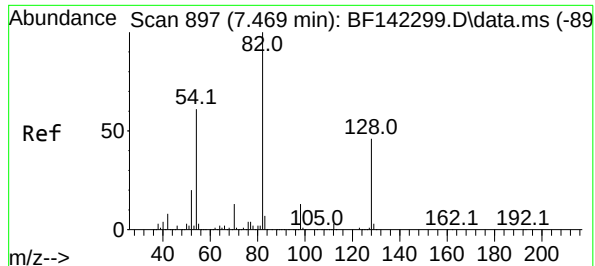


#22
Acetophenone
Concen: 10.662 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52



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# 896

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: 25345

Ion Ratio Lower Upper

82 100

128 43.9 37.0 55.6

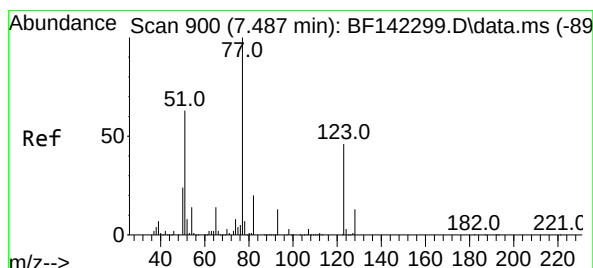
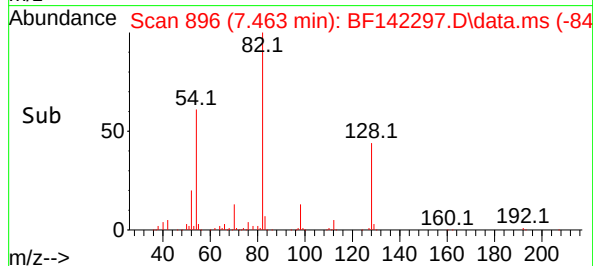
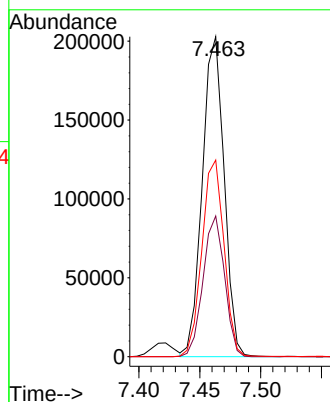
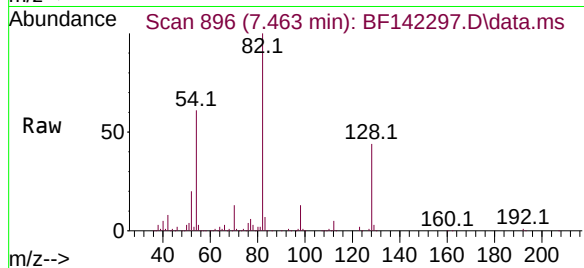
54 61.4 48.6 73.0

Manual Integrations

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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

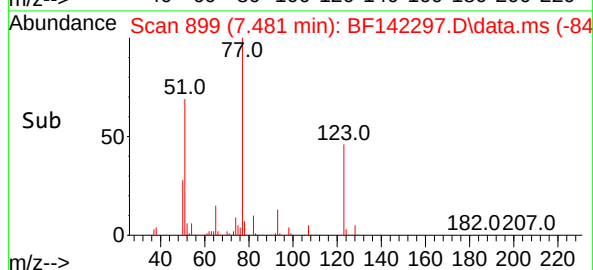
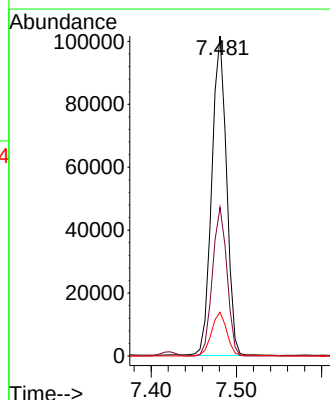
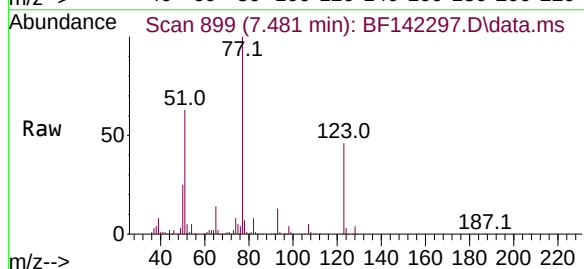
Tgt Ion: 77 Resp: 122267

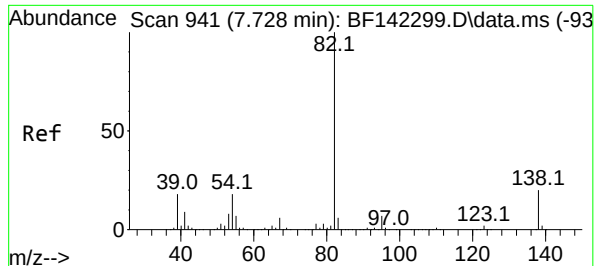
Ion Ratio Lower Upper

77 100

123 46.4 37.8 56.8

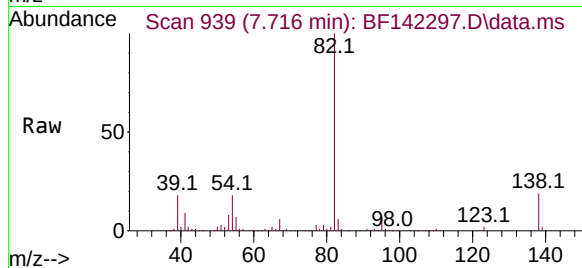
65 13.6 11.4 17.0





#25
Isophorone
Concen: 10.039 ng
RT: 7.716 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

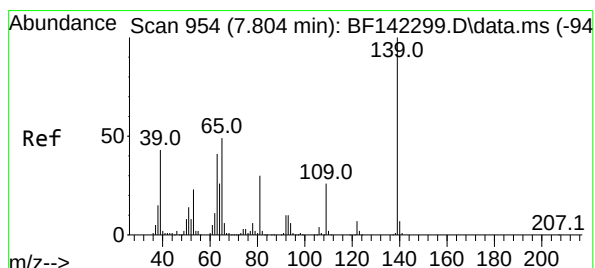
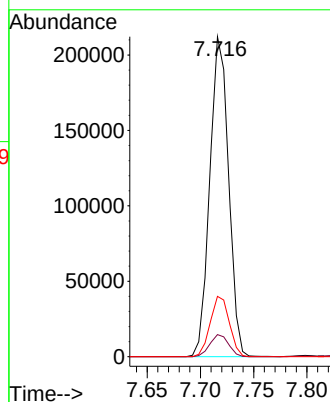
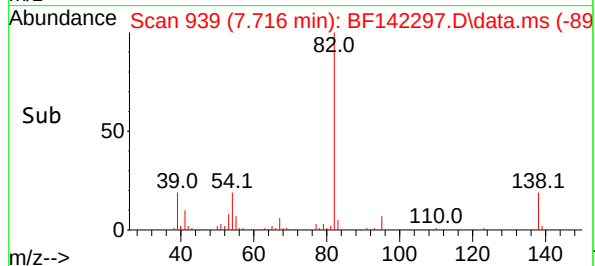
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



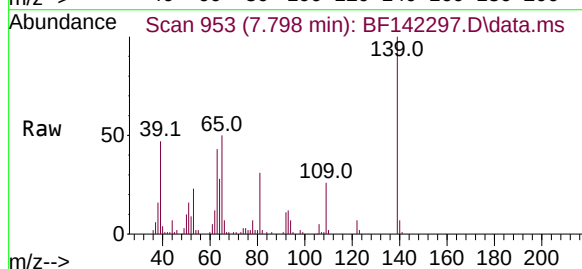
Tgt Ion: 82 Resp: 259962
Ion Ratio Lower Upper
82 100
95 6.9 5.8 8.8
138 18.9 16.1 24.1

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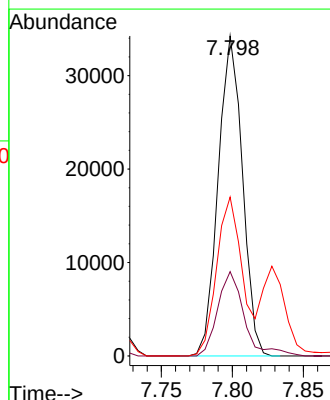
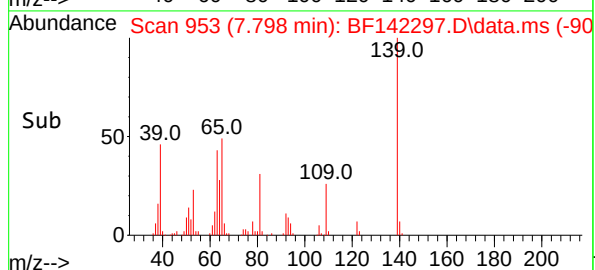
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

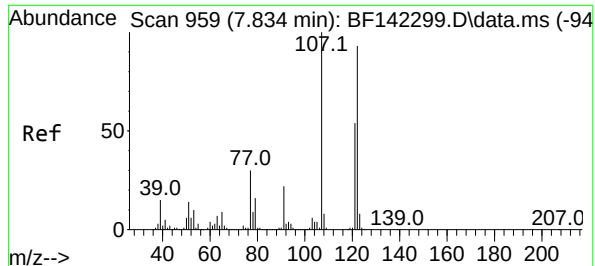


#26
2-Nitrophenol
Concen: 10.066 ng
RT: 7.798 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52



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# 910

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

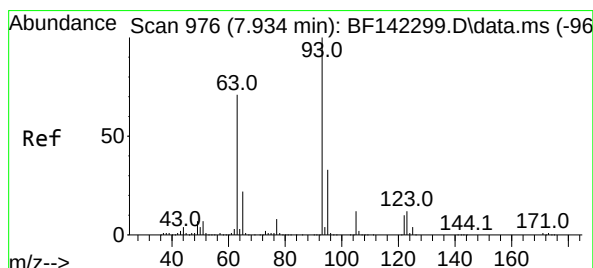
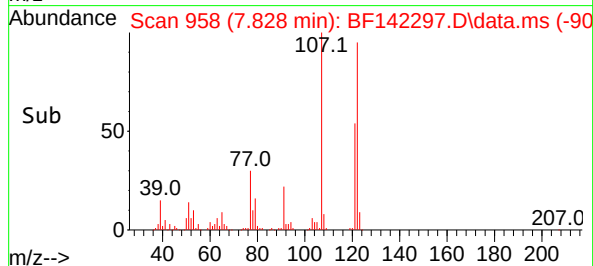
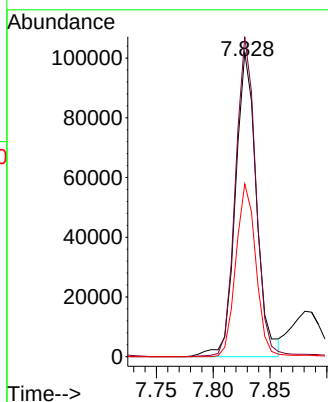
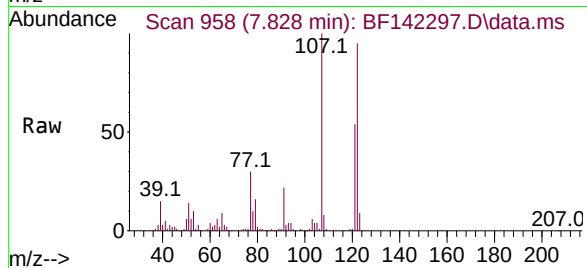
121 56.8 46.2 69.4

Manual Integrations

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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

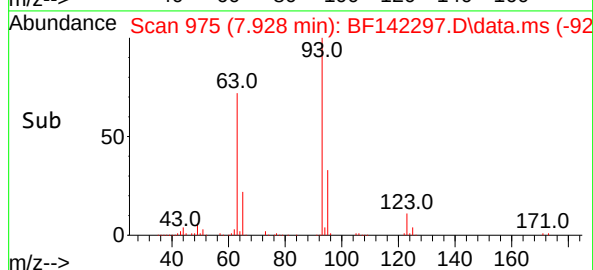
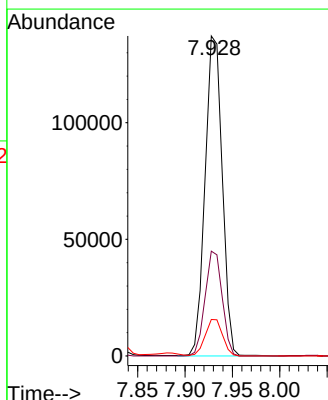
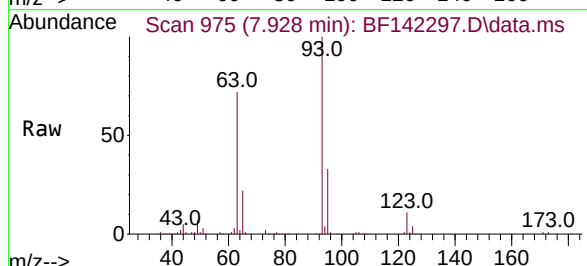
Tgt Ion: 93 Resp: 172734

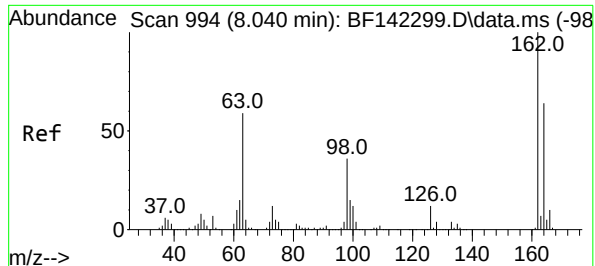
Ion Ratio Lower Upper

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# 994

Delta R.T. -0.006 min

Lab File: BF142297.D

Acq: 05 May 2025 14:52

Instrument :

BNA_F

ClientSampleId :

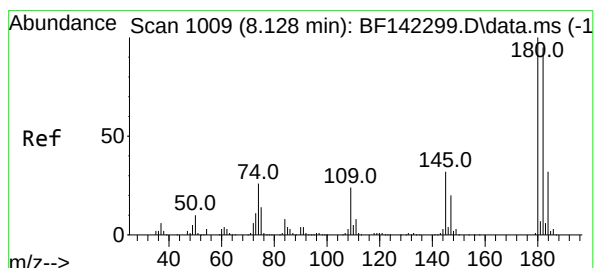
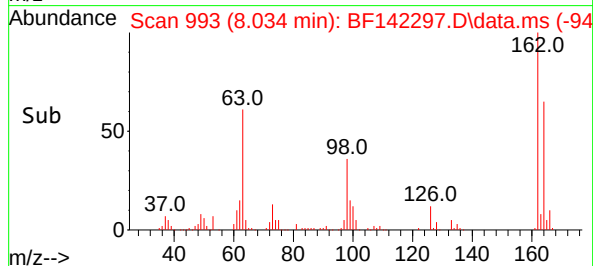
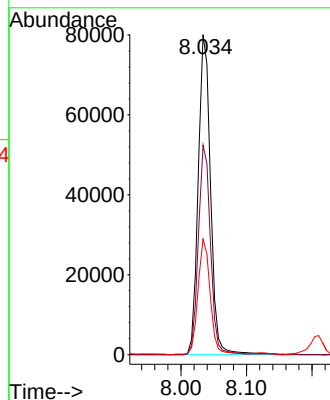
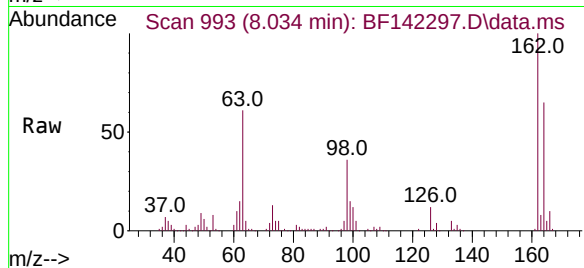
SSTDICC010

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

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Supervised By :Jagrut Upadhyay 05/06/2025



#30

1,2,4-Trichlorobenzene

Concen: 10.358 ng

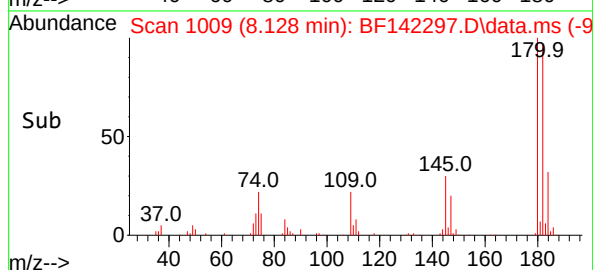
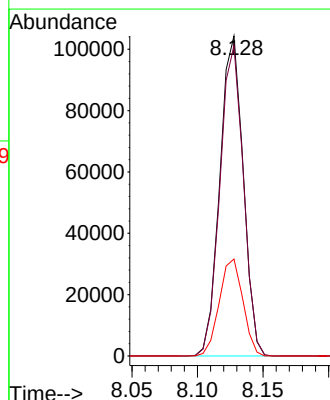
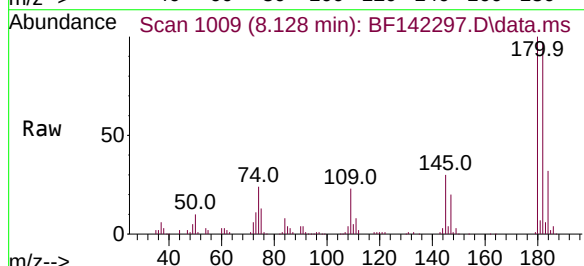
RT: 8.128 min Scan# 1009

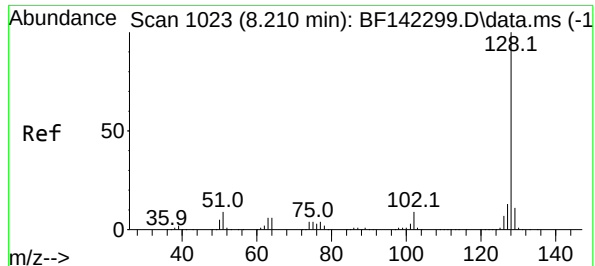
Delta R.T. -0.000 min

Lab File: BF142297.D

Acq: 05 May 2025 14:52

Tgt Ion	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# 1023

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: 429990

Ion Ratio Lower Upper

128 100

129 10.7 9.1 13.7

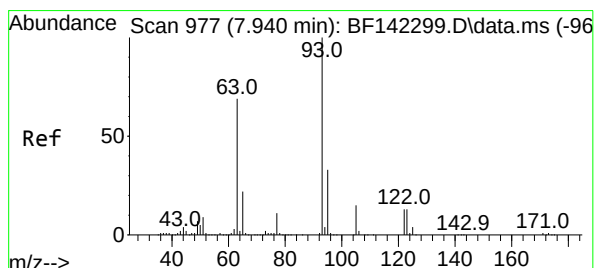
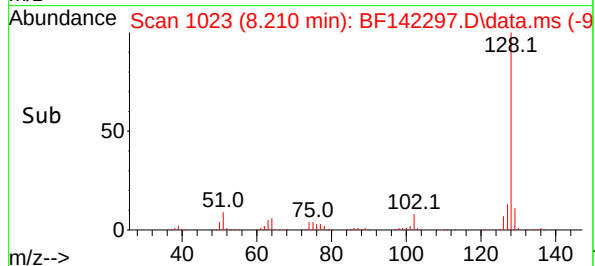
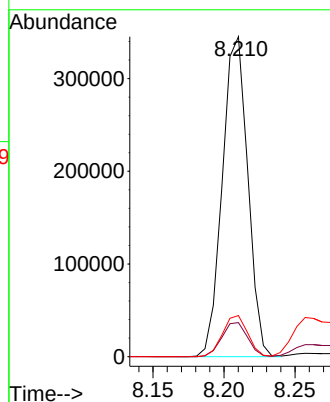
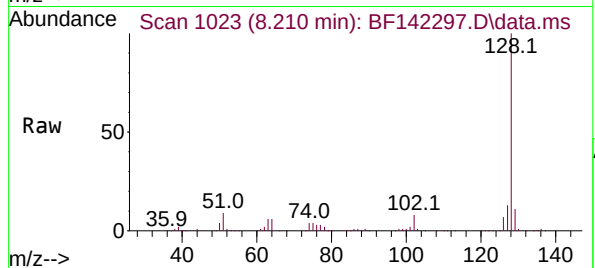
127 12.8 10.5 15.7

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

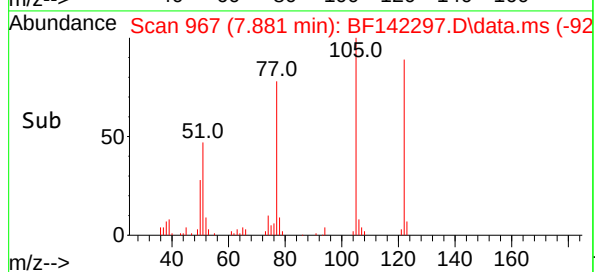
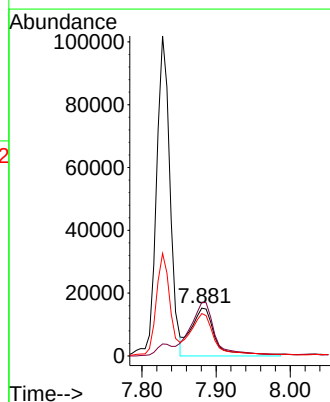
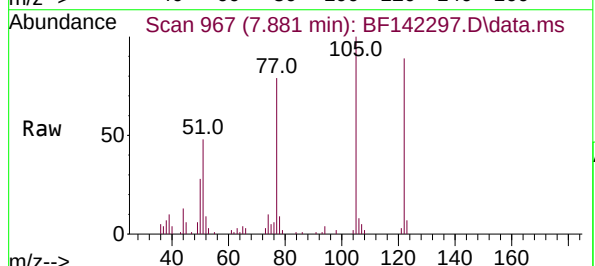
Tgt Ion:122 Resp: 35000

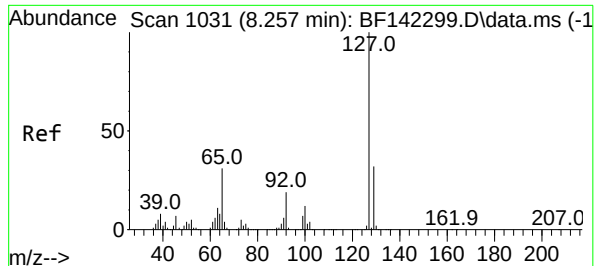
Ion Ratio Lower Upper

122 100

105 112.0 97.9 137.9

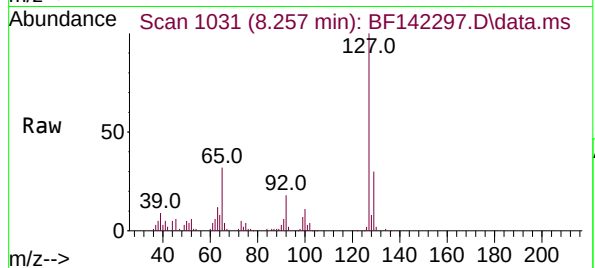
77 88.5 67.7 107.7





#33
4-Chloroaniline
Concen: 9.438 ng m
RT: 8.257 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

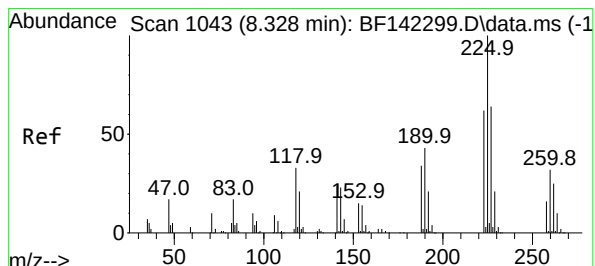
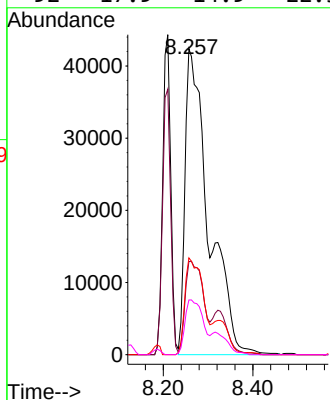
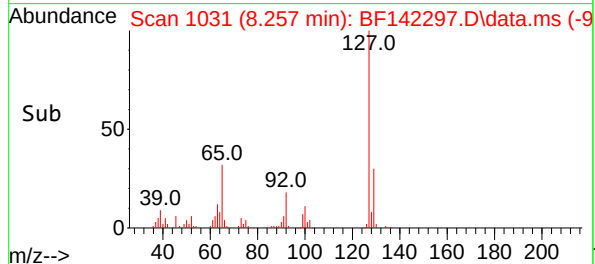
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:127 Resp: 155389
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

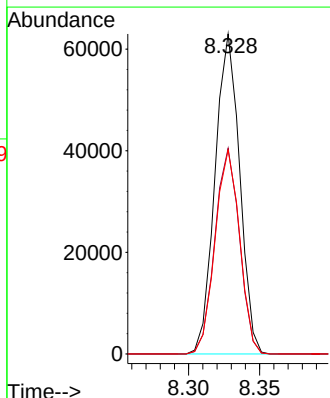
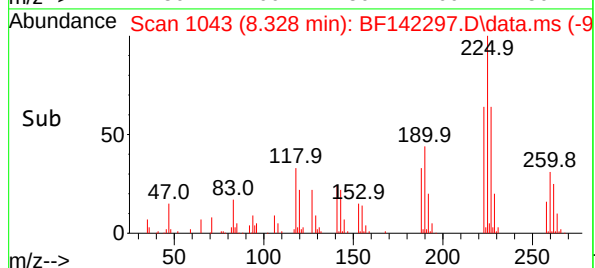
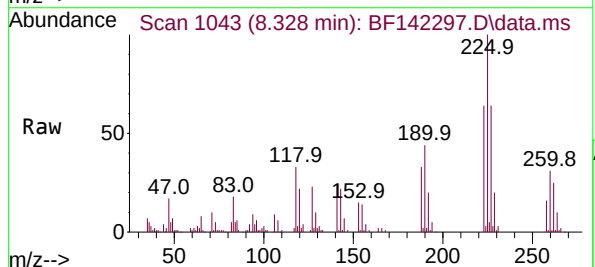
Manual Integrations
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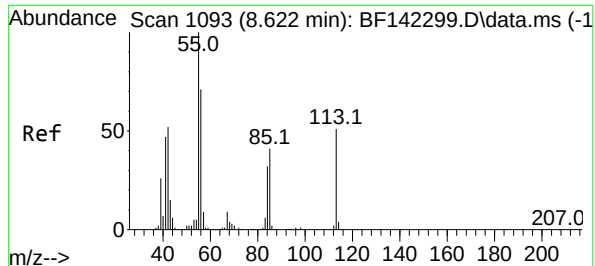
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

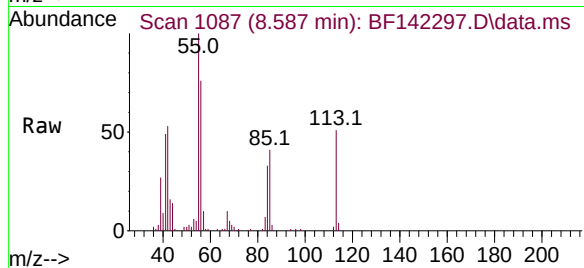
Tgt Ion:225 Resp: 75921
Ion Ratio Lower Upper
225 100
223 64.3 49.8 74.6
227 63.7 50.9 76.3





#35
 Caprolactam
 Concen: 8.834 ng
 RT: 8.587 min Scan# 1107
 Delta R.T. -0.035 min
 Lab File: BF142297.D
 Acq: 05 May 2025 14:52

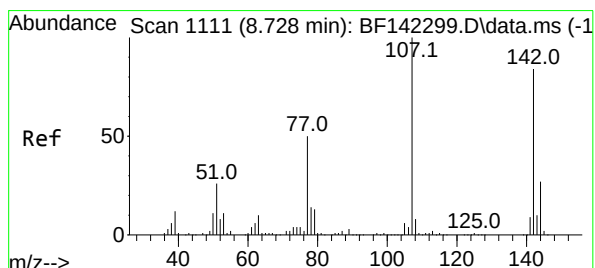
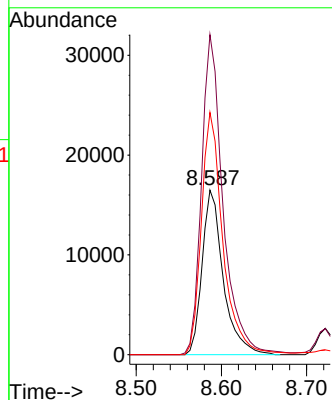
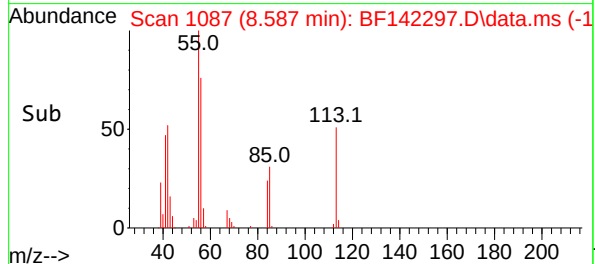
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010



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

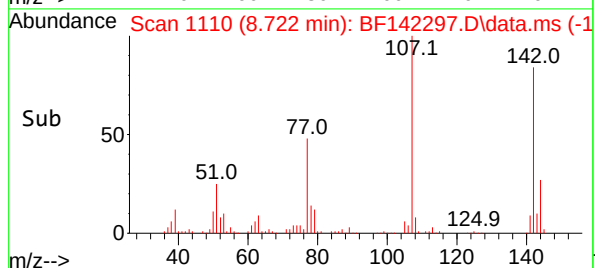
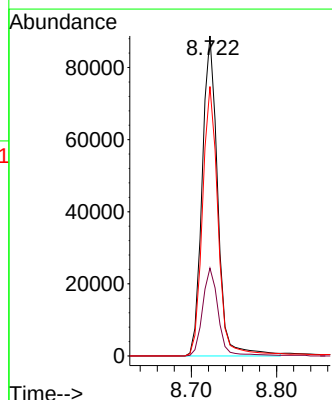
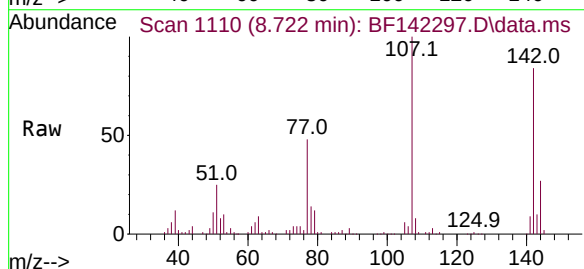
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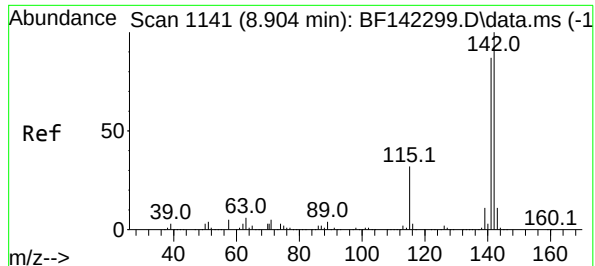
Reviewed By :Rahul Chavli 05/06/2025
 Supervised By :Jagrut Upadhyay 05/06/2025



#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# 1140

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

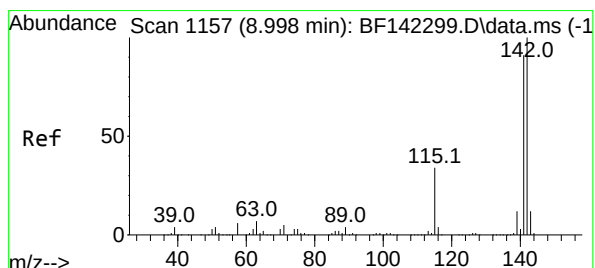
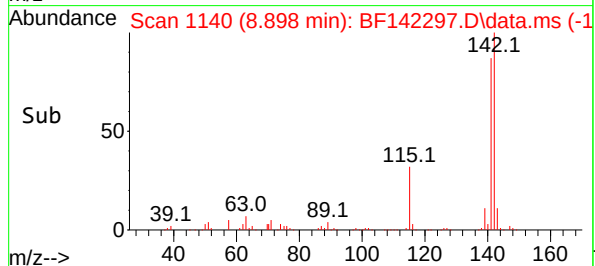
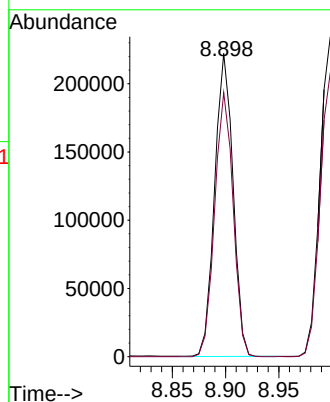
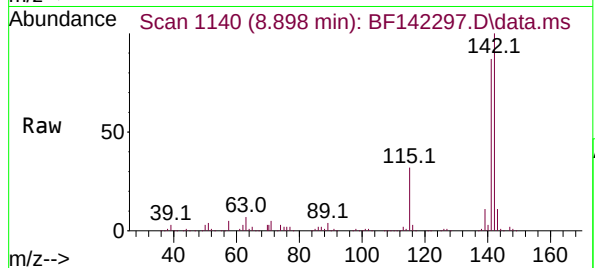
141 87.1 69.4 104.2

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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

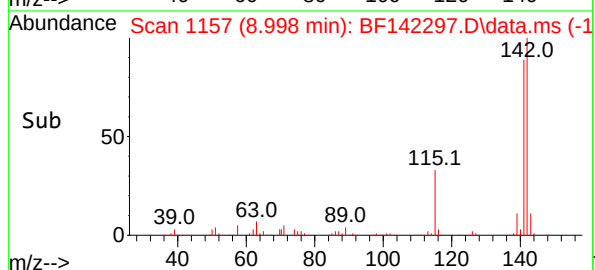
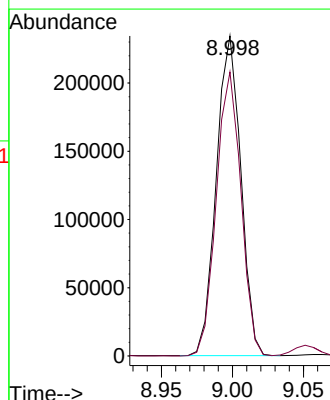
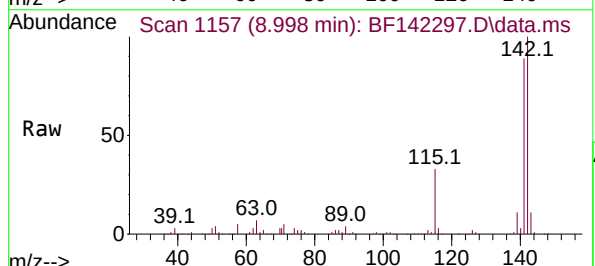
Acq: 05 May 2025 14:52

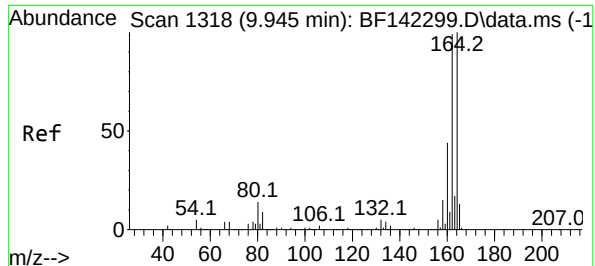
Tgt Ion:142 Resp: 281289

Ion Ratio Lower Upper

142 100

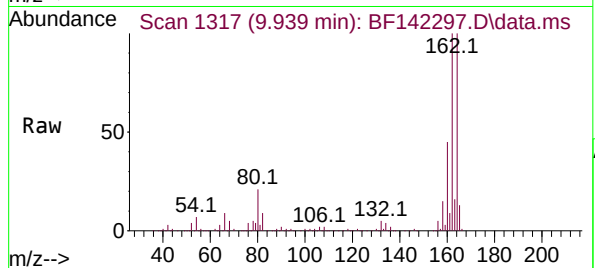
141 88.8 72.5 108.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

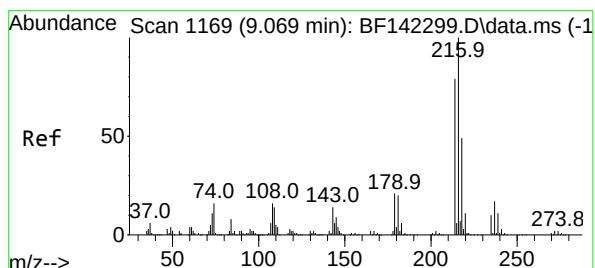
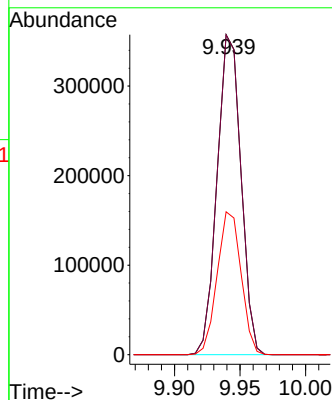
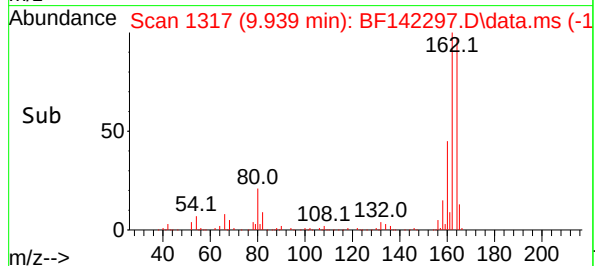
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

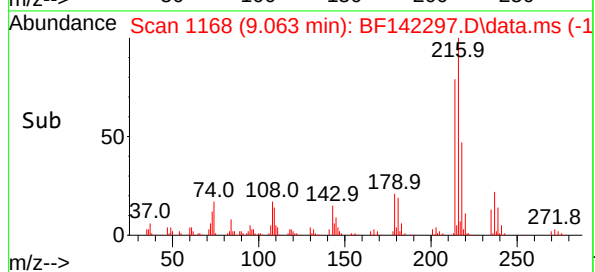
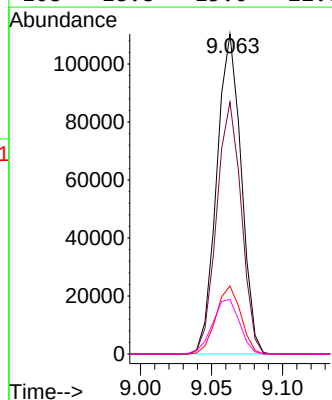
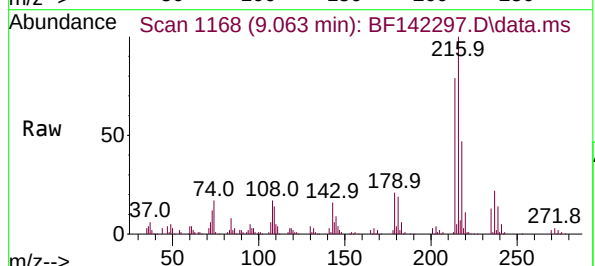
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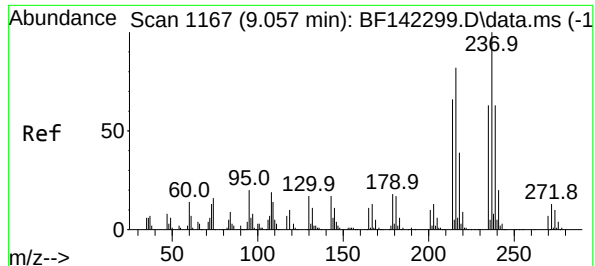
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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





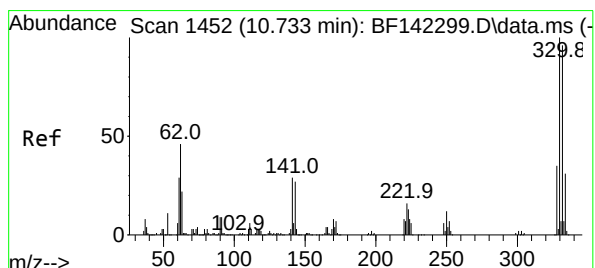
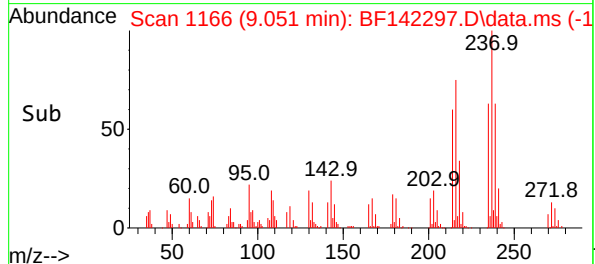
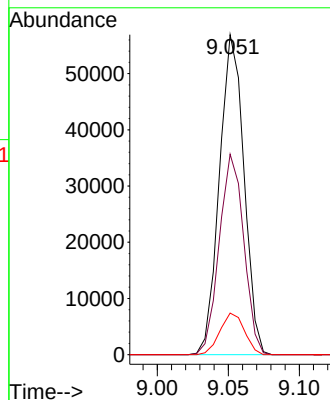
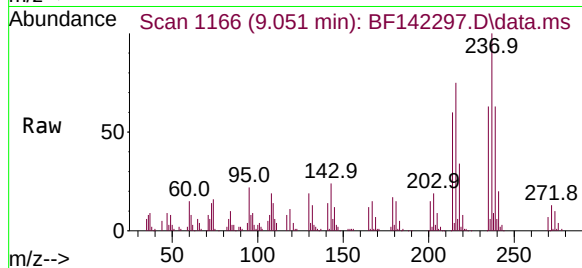
#41
Hexachlorocyclopentadiene
Concen: 8.764 ng
RT: 9.051 min Scan# 1166
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

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

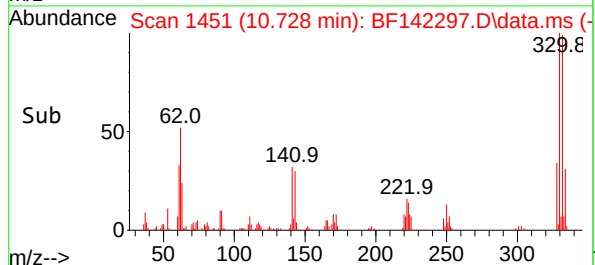
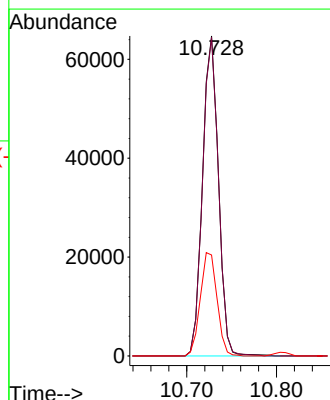
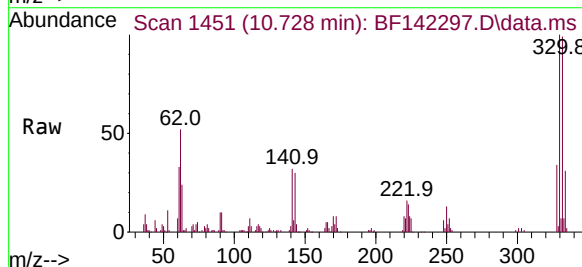
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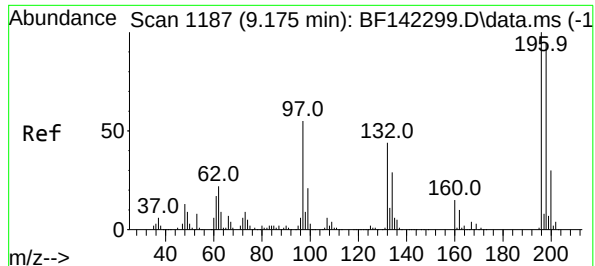
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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# 1186

Delta R.T. -0.006 min

Lab File: BF142297.D

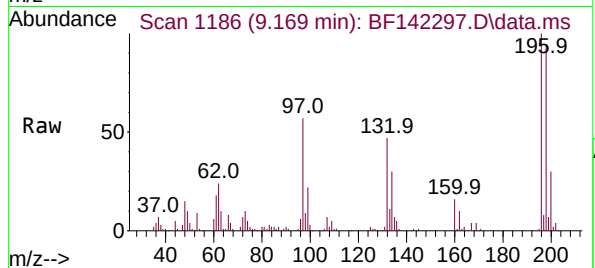
Acq: 05 May 2025 14:52

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



Tgt Ion:196 Resp: 72234

Ion Ratio Lower Upper

196 100

198 93.8 75.4 113.0

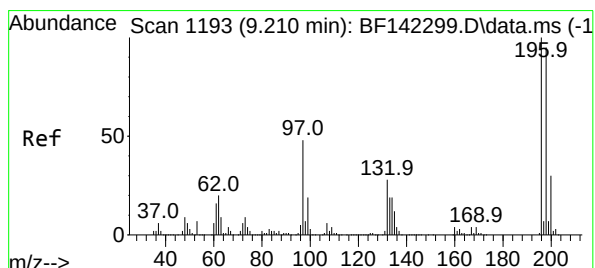
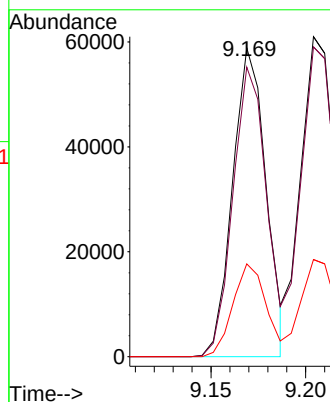
200 30.0 24.3 36.5

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Supervised By :Jagrut Upadhyay 05/06/2025



#44

2,4,5-Trichlorophenol

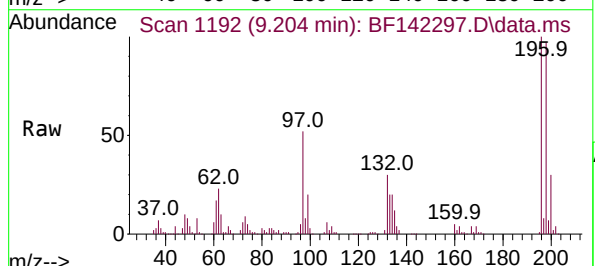
Concen: 9.429 ng

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

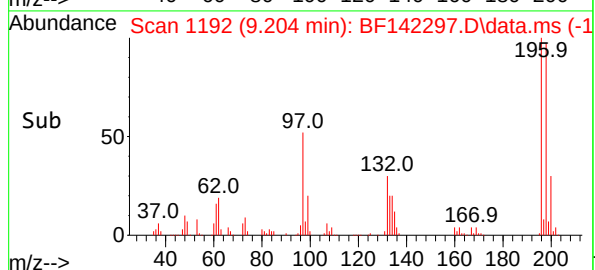
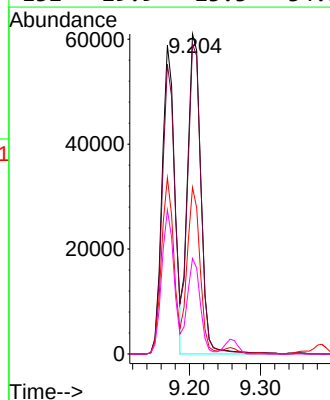
Ion Ratio Lower Upper

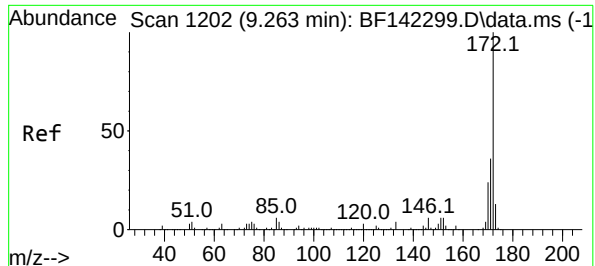
196 100

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# 1201

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

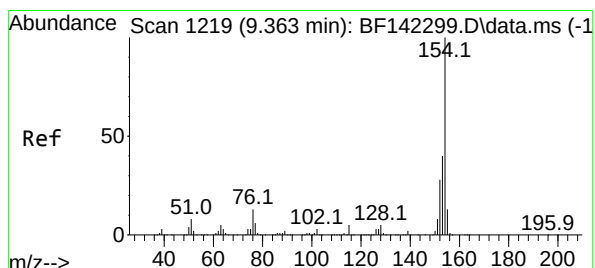
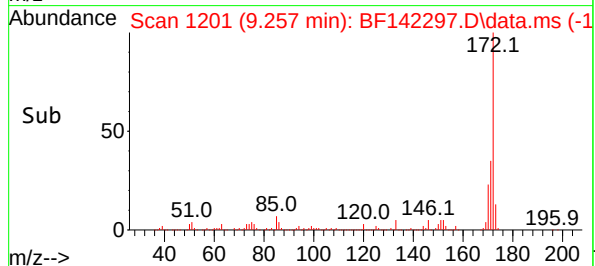
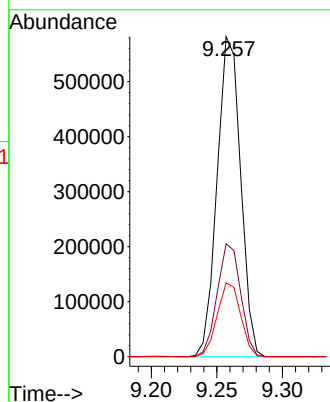
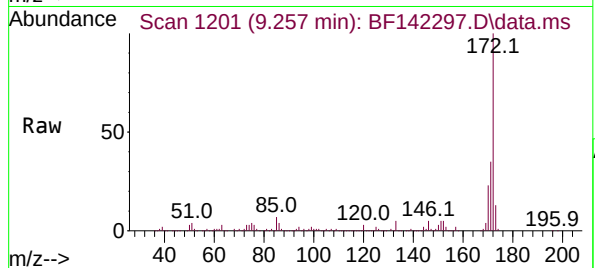
170 23.1 19.0 28.4

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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

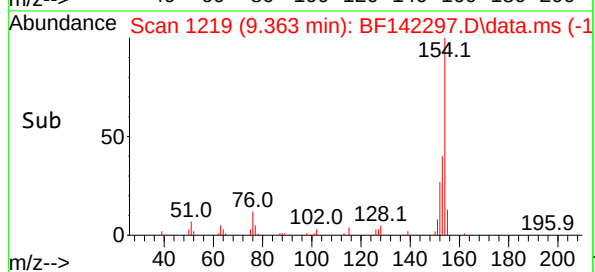
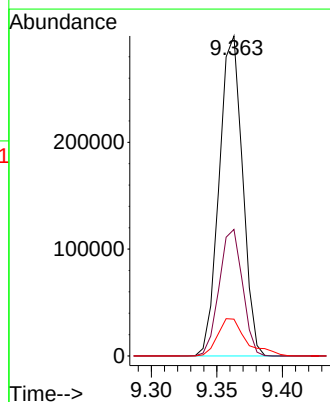
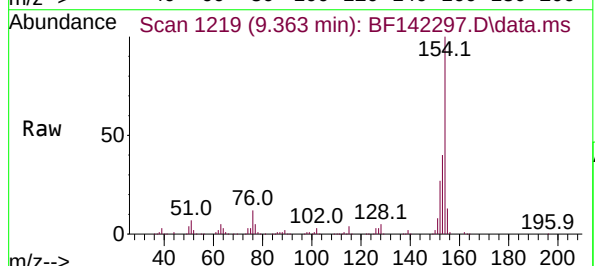
Tgt Ion:154 Resp: 370629

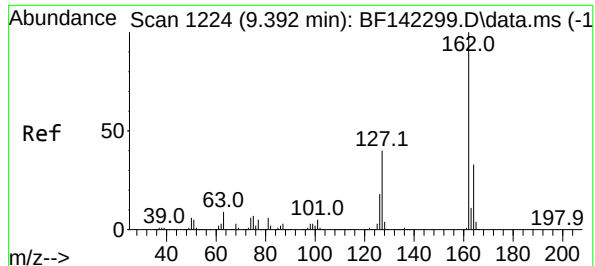
Ion Ratio Lower Upper

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# 1223

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: 27050

Ion Ratio Lower Upper

162 100

127 38.5 32.3 48.5

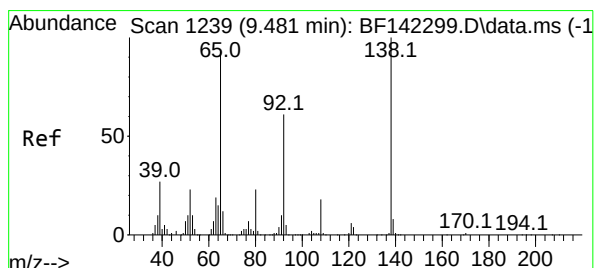
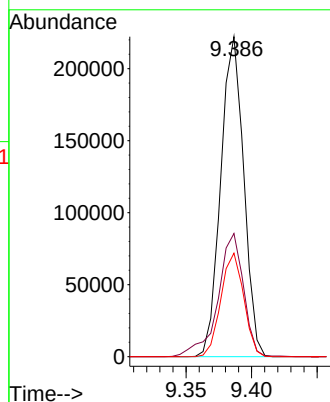
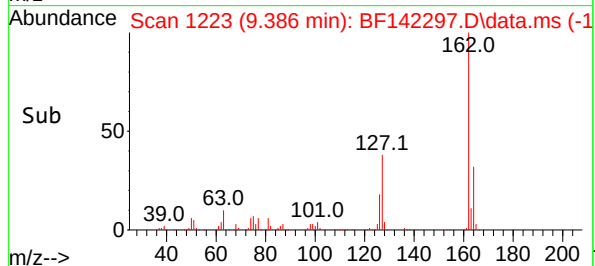
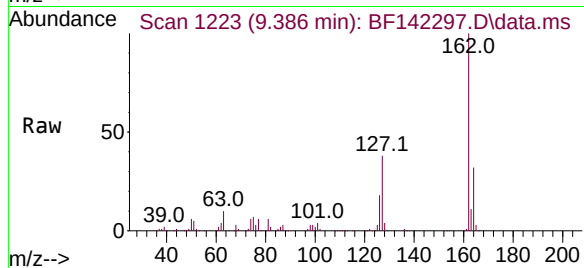
164 32.4 26.6 40.0

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

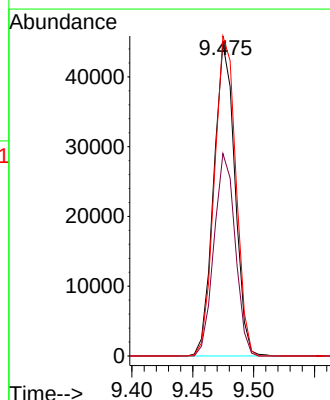
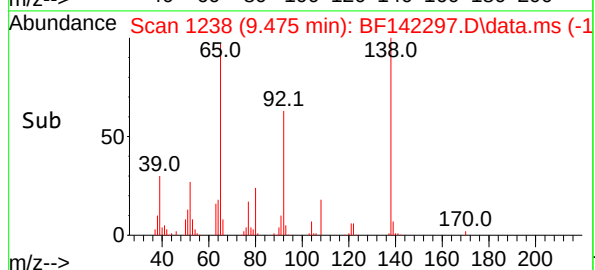
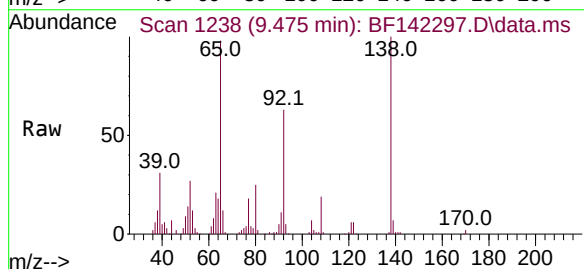
Tgt Ion: 65 Resp: 54180

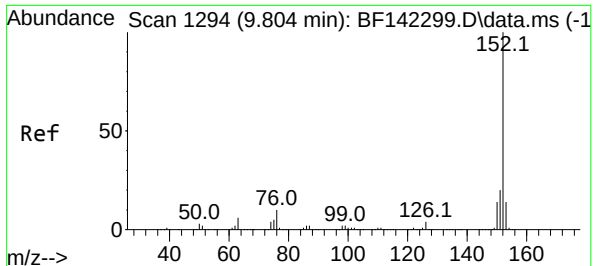
Ion Ratio Lower Upper

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# 1294

Delta R.T. 0.000 min

Lab File: BF142297.D

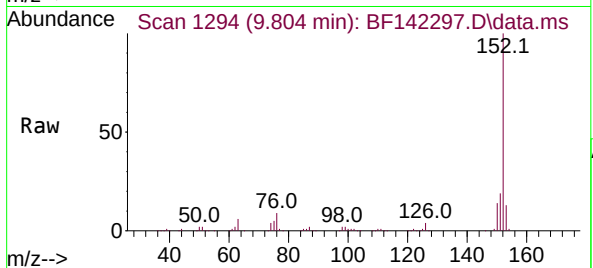
Acq: 05 May 2025 14:52

Instrument :

BNA_F

ClientSampleId :

SSTDICC010



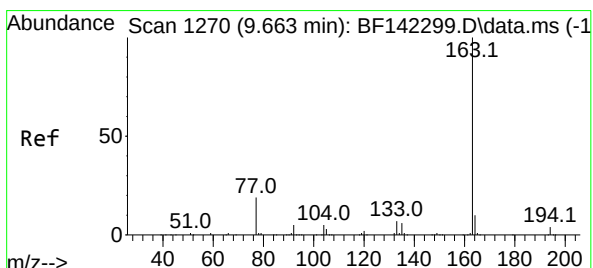
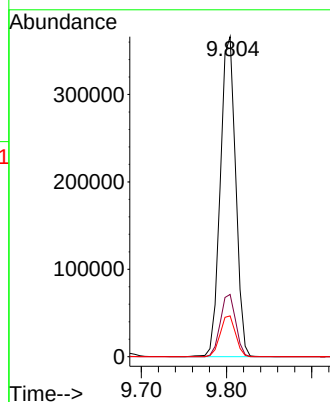
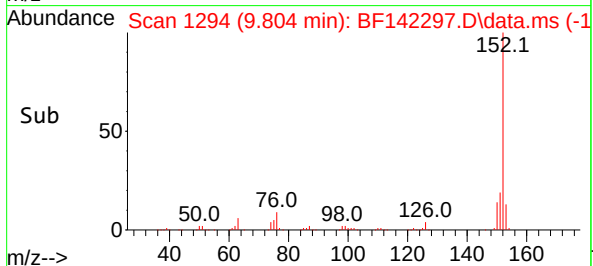
Tgt Ion:152	Resp: 457350
Ion Ratio	Lower Upper
152	100
151	19.5 16.0 24.0
153	12.7 10.8 16.2

Manual Integrations

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Reviewed By :Rahul Chavli 05/06/2025

Supervised By :Jagrut Upadhyay 05/06/2025



#50

Dimethylphthalate

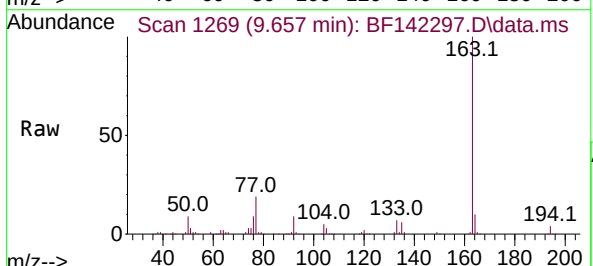
Concen: 10.080 ng

RT: 9.657 min Scan# 1269

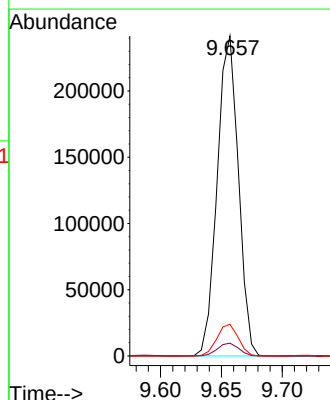
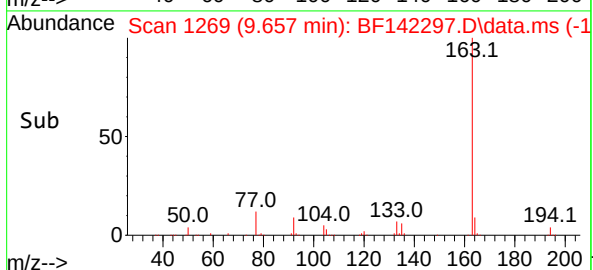
Delta R.T. -0.006 min

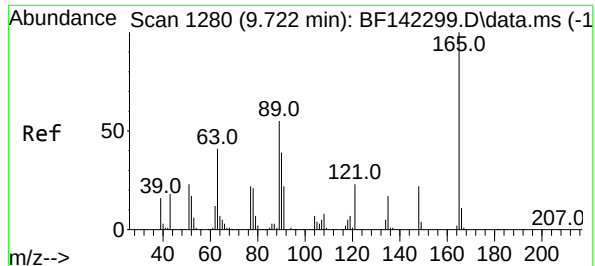
Lab File: BF142297.D

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





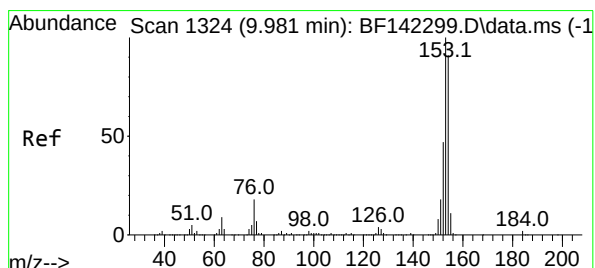
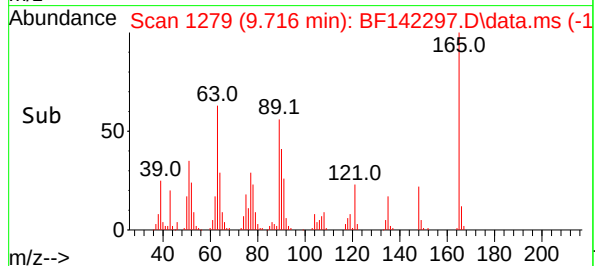
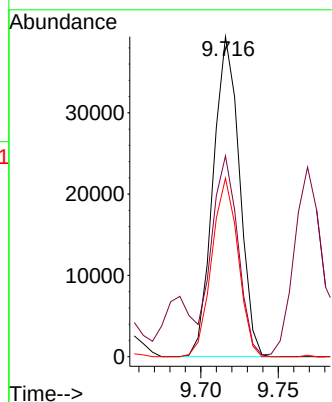
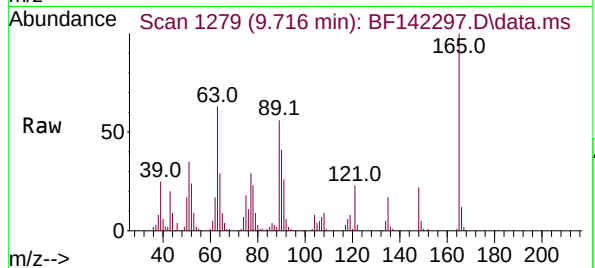
#51
2,6-Dinitrotoluene
Concen: 8.551 ng
RT: 9.716 min Scan# 1279
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:165 Resp: 4642
Ion Ratio Lower Upper
165 100
63 62.8 49.5 74.3
89 55.8 44.6 66.8

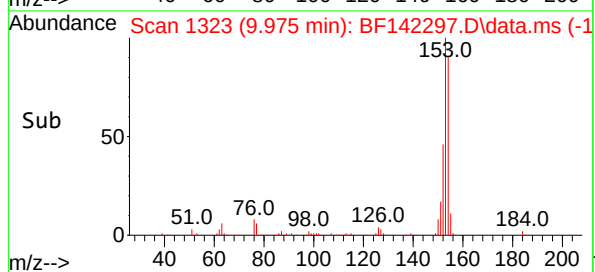
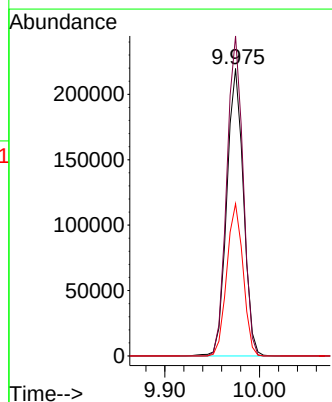
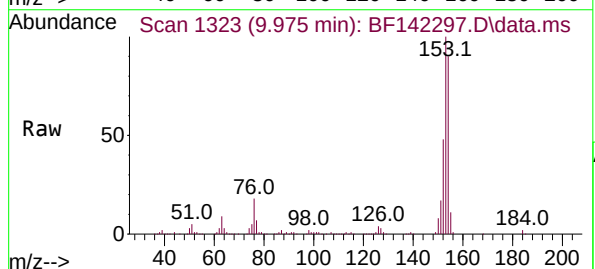
Manual Integrations
APPROVED

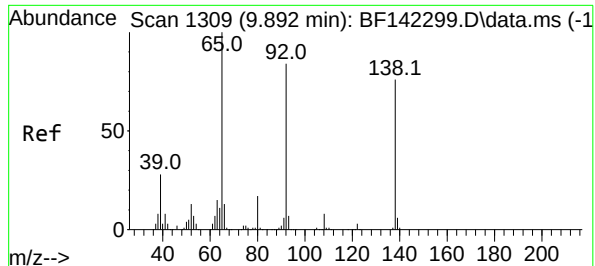
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

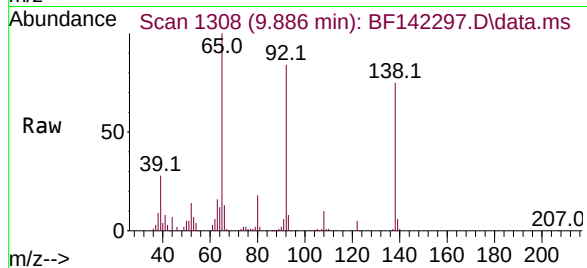
Tgt Ion:154 Resp: 268993
Ion Ratio Lower Upper
154 100
153 111.4 88.0 132.0
152 53.0 41.6 62.4





#53
3-Nitroaniline
Concen: 8.443 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

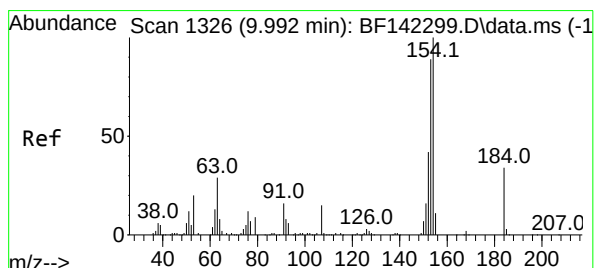
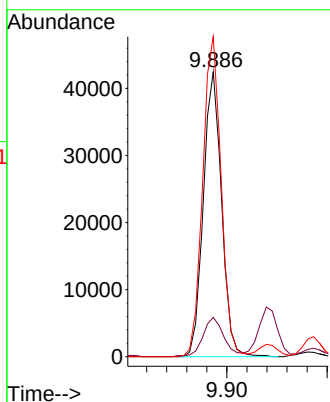
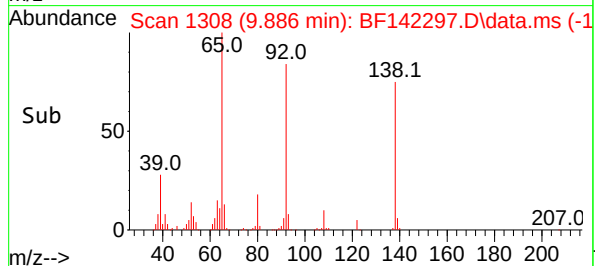
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:138 Resp: 5375
Ion Ratio Lower Upper
138 100
108 13.8 8.7 13.1
92 112.4 89.5 134.3

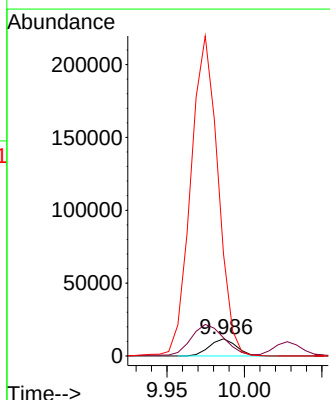
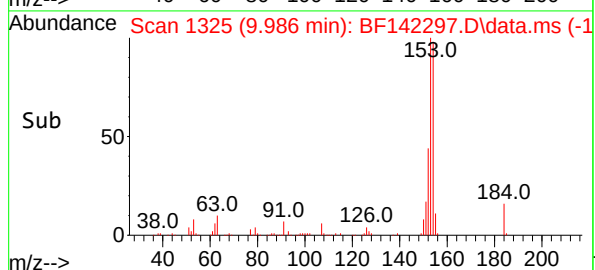
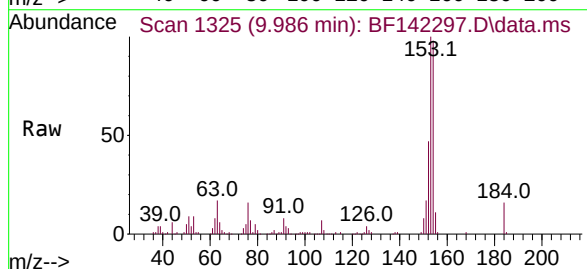
Manual Integrations
APPROVED

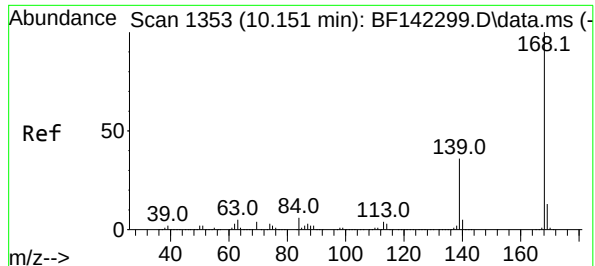
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

Dibenzenofuran

Concen: 10.573 ng

RT: 10.145 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:168 Resp: 404214

Ion Ratio Lower Upper

168 100

139 35.7 29.0 43.4

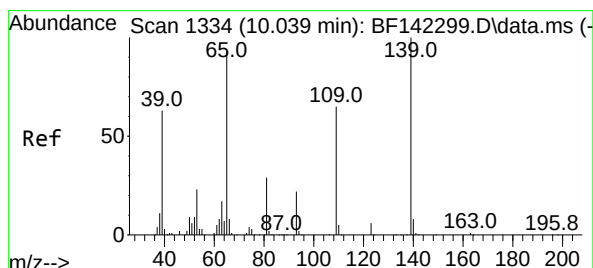
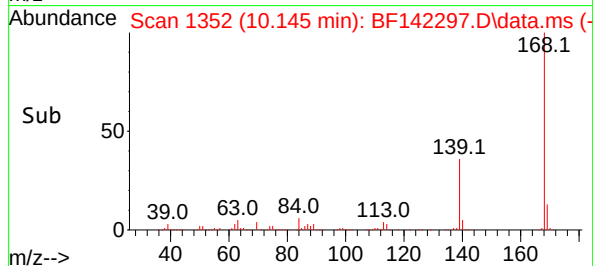
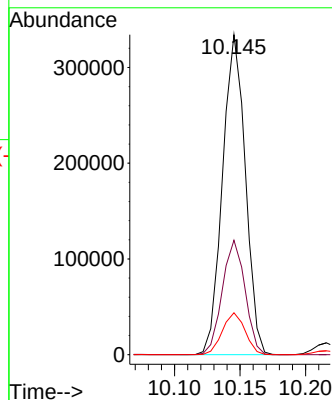
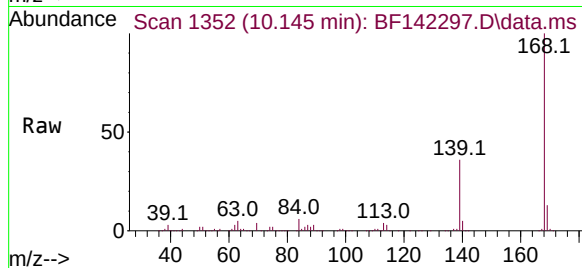
169 13.1 10.7 16.1

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

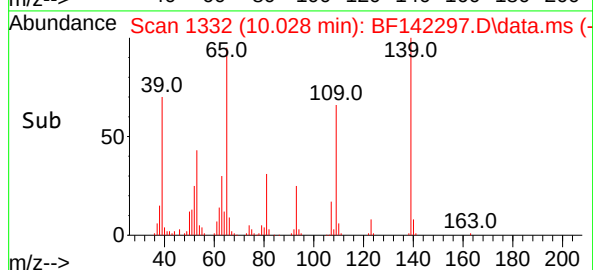
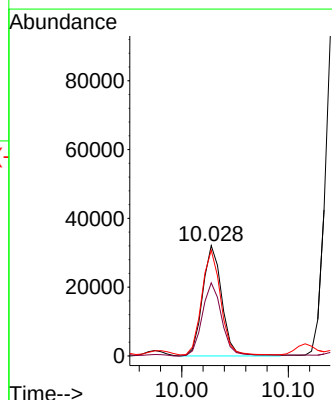
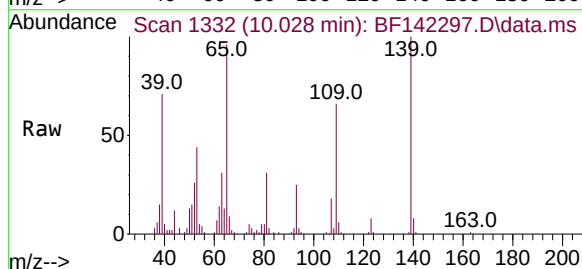
Tgt Ion:139 Resp: 40283

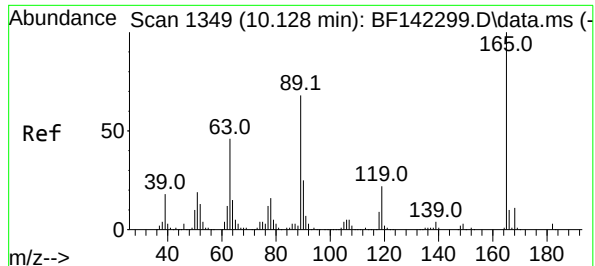
Ion Ratio Lower Upper

139 100

109 66.2 45.3 85.3

65 95.8 73.9 113.9





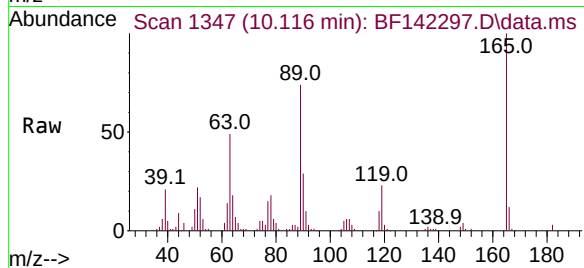
#57
2,4-Dinitrotoluene
Concen: 8.120 ng
RT: 10.116 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

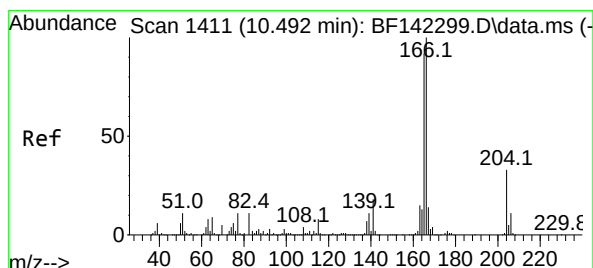
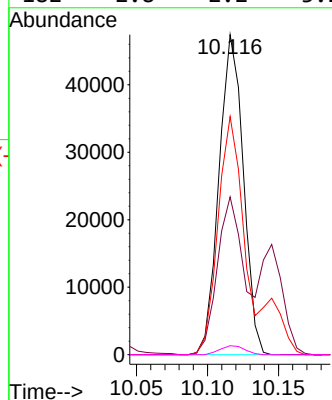
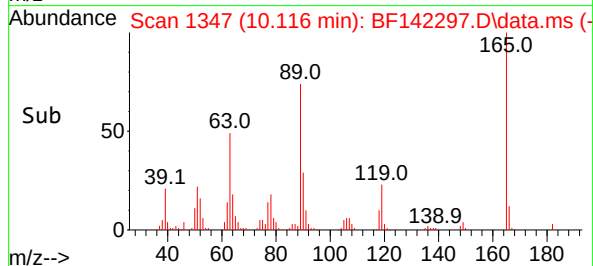


Tgt Ion:165 Resp: 5654
Ion Ratio Lower Upper
165 100
63 49.3 37.1 55.7
89 74.4 54.4 81.6
182 2.8 2.2 3.2

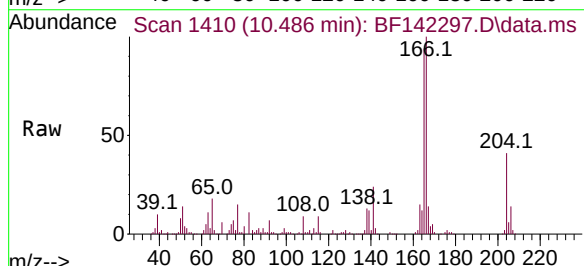
Manual Integrations

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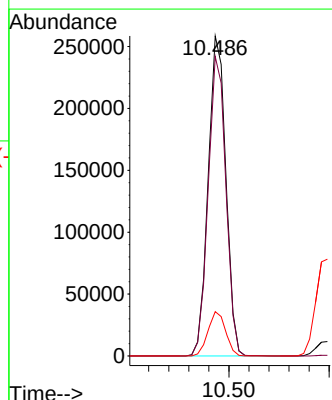
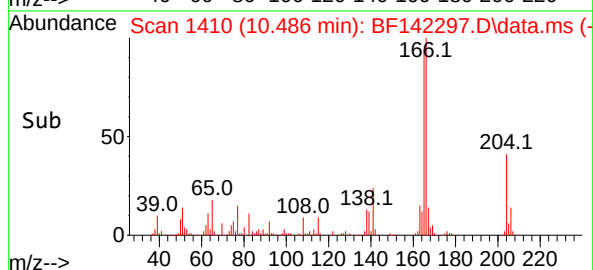
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

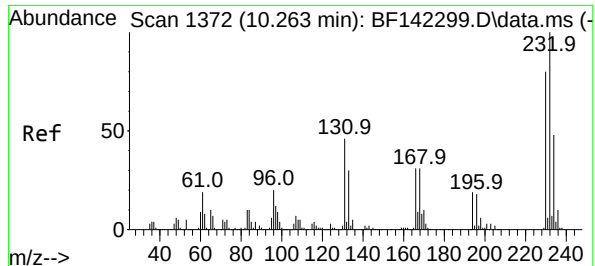


#58
Fluorene
Concen: 10.892 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52



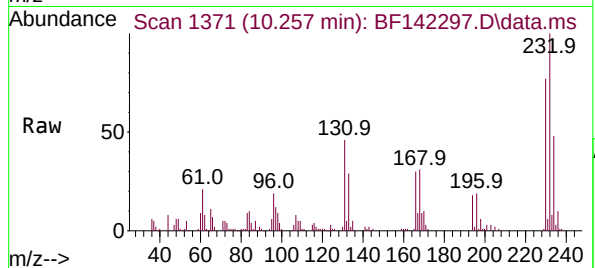
Tgt Ion:166 Resp: 317792
Ion Ratio Lower Upper
166 100
165 93.6 74.0 111.0
167 13.9 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 9.316 ng
RT: 10.257 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

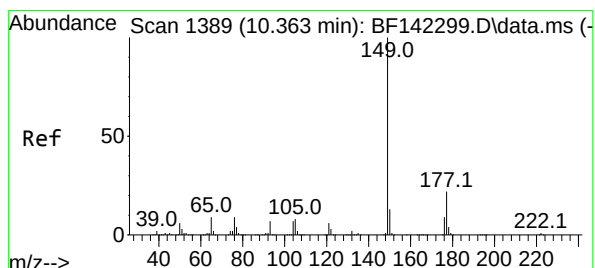
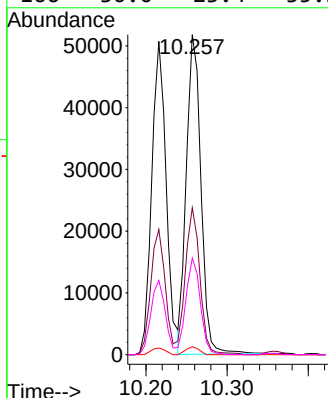
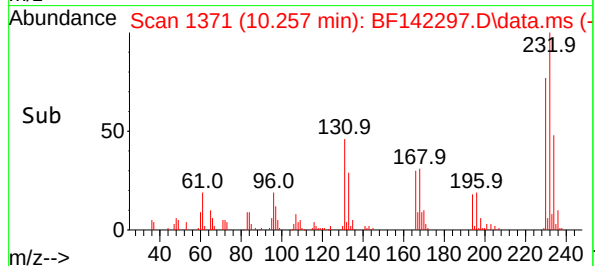
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



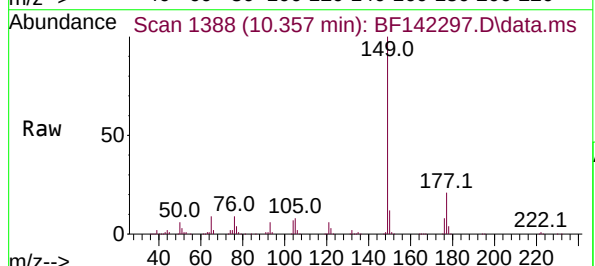
Tgt Ion:232 Resp: 65100
Ion Ratio Lower Upper
232 100
131 46.1 36.0 54.0
130 2.2 1.8 2.6
166 30.0 23.4 35.2

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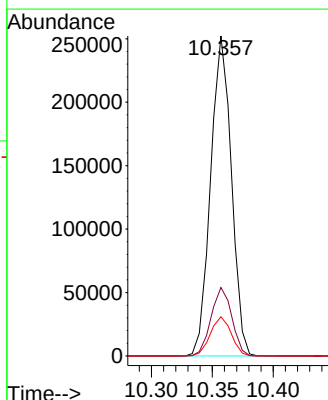
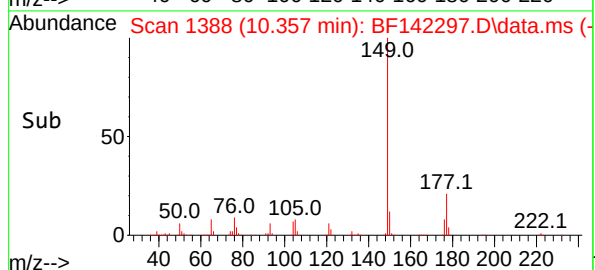
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

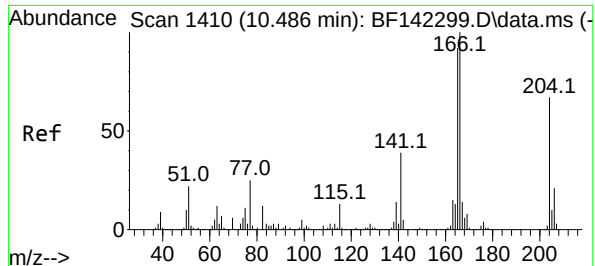


#60
Diethylphthalate
Concen: 10.329 ng
RT: 10.357 min Scan# 1388
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52



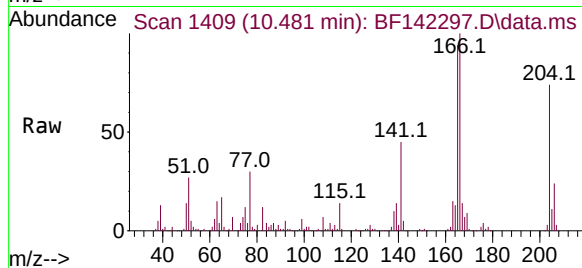
Tgt Ion:149 Resp: 299154
Ion Ratio Lower Upper
149 100
177 21.4 17.6 26.4
150 12.3 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 10.683 ng
RT: 10.481 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

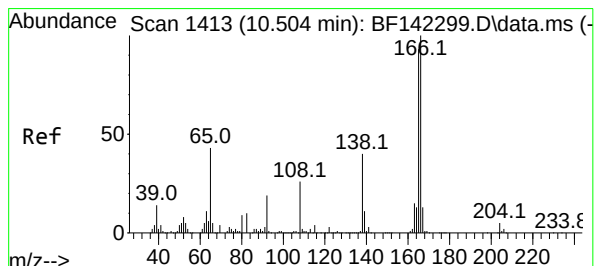
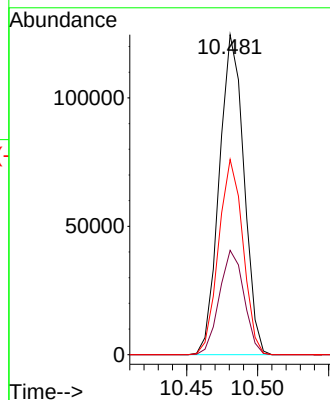
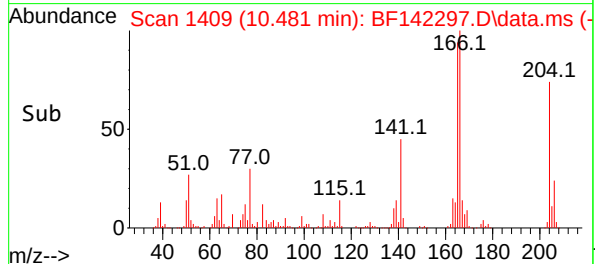
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



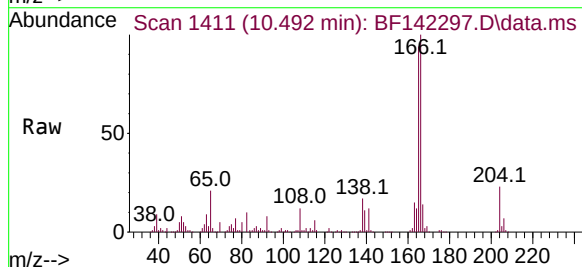
Tgt Ion:204 Resp: 15037
Ion Ratio Lower Upper
204 100
206 32.6 25.5 38.3
141 61.0 46.4 69.6

Manual Integrations
APPROVED

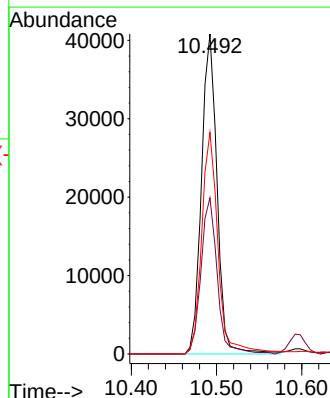
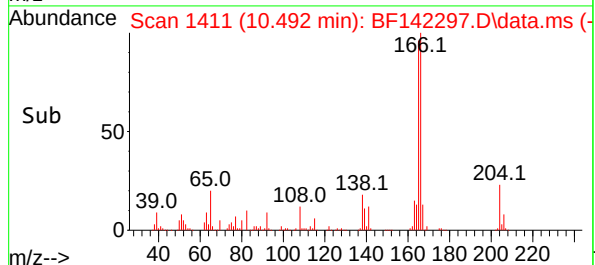
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

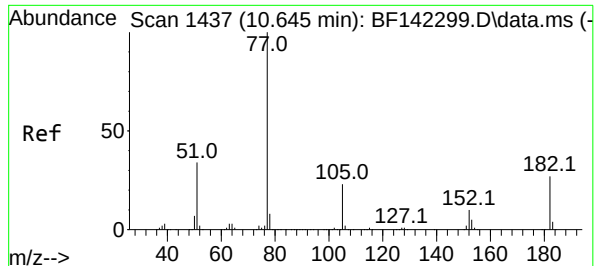


#62
4-Nitroaniline
Concen: 10.274 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.012 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52



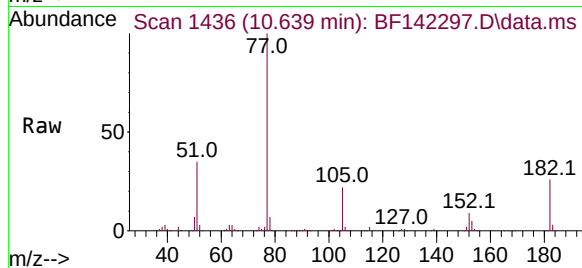
Tgt Ion:138 Resp: 51843
Ion Ratio Lower Upper
138 100
92 48.8 27.3 67.3
108 69.2 45.1 85.1





#63
Azobenzene
Concen: 10.372 ng
RT: 10.639 min Scan# 1436
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

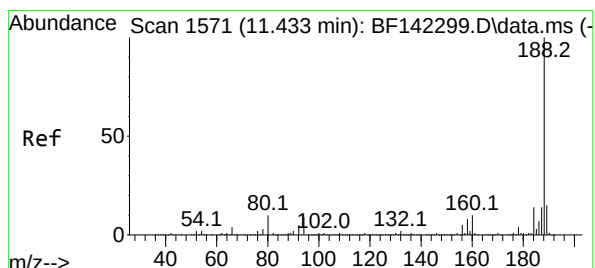
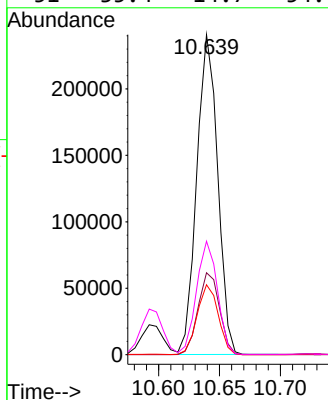
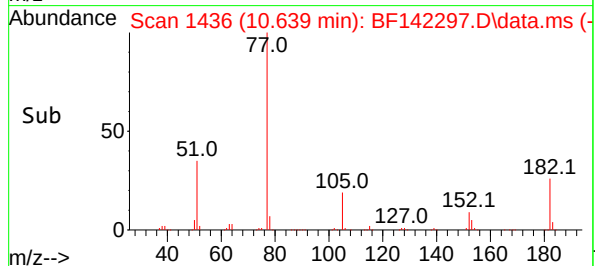
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



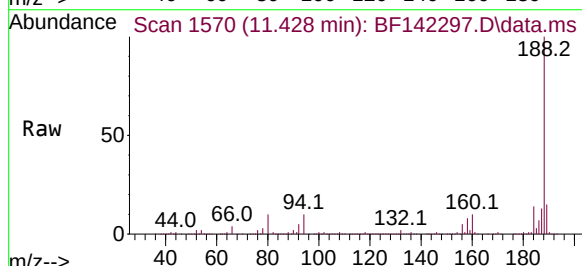
Tgt Ion: 77 Resp: 287064
Ion Ratio Lower Upper
77 100
182 25.6 6.9 46.9
105 21.9 2.7 42.7
51 35.4 14.7 54.7

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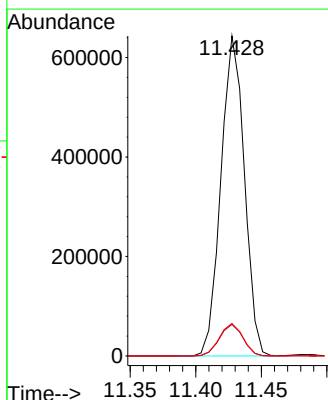
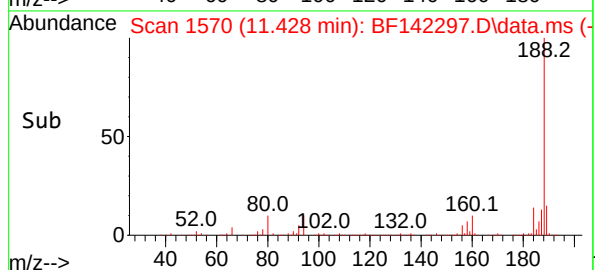
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

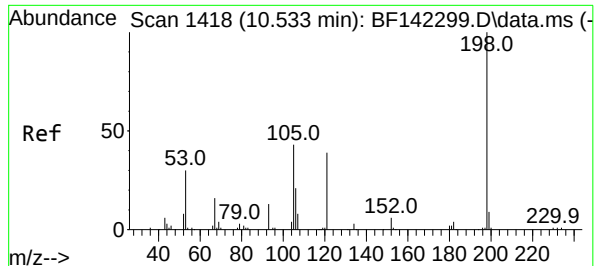


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.428 min Scan# 1570
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52



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





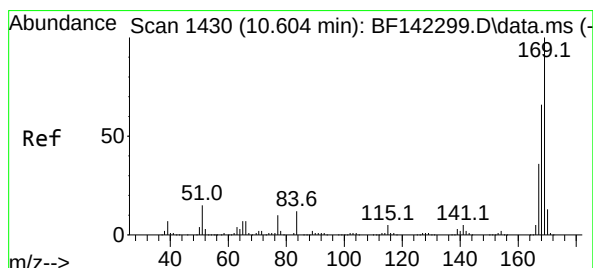
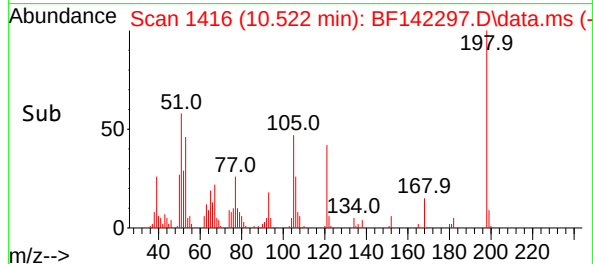
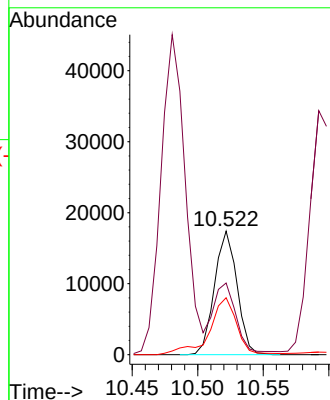
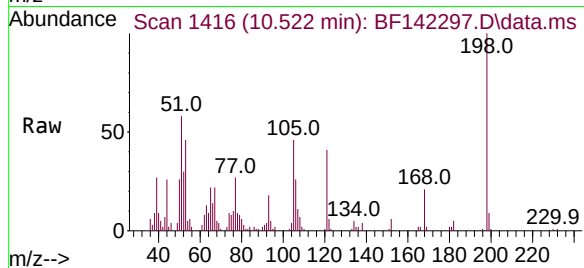
#65
4,6-Dinitro-2-methylphenol
Concen: 11.925 ng
RT: 10.522 min Scan# 1416
Delta R.T. -0.011 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

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

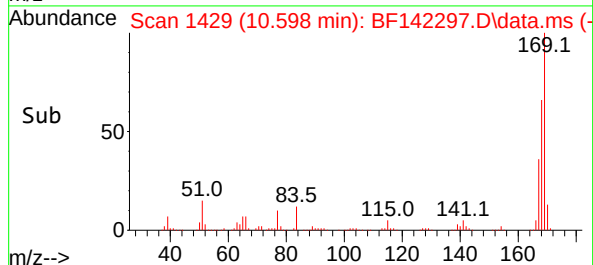
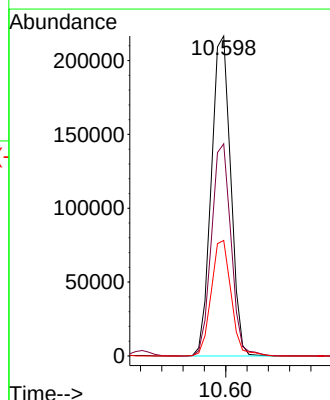
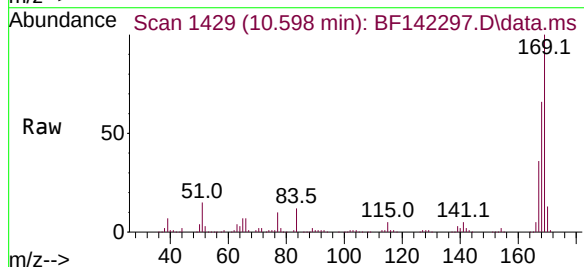
Manual Integrations
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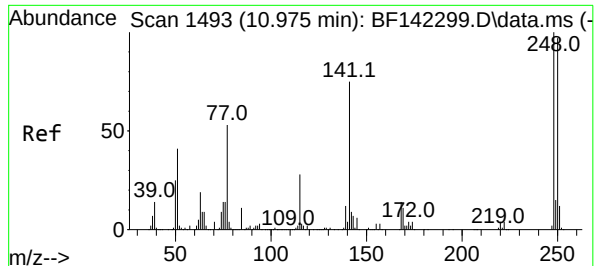
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

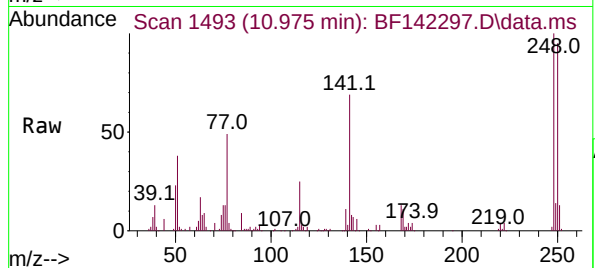
Tgt Ion:169 Resp: 273145
Ion Ratio Lower Upper
169 100
168 66.3 53.2 79.8
167 36.1 28.9 43.3





#67
4-Bromophenyl-phenylether
Concen: 10.008 ng
RT: 10.975 min Scan# 1493
Delta R.T. 0.000 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

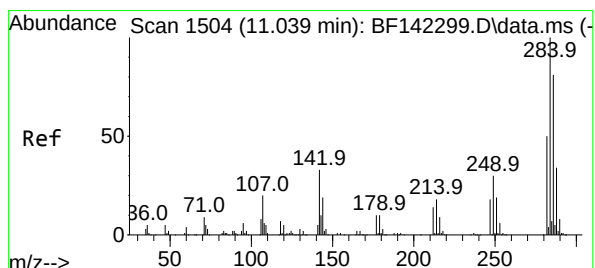
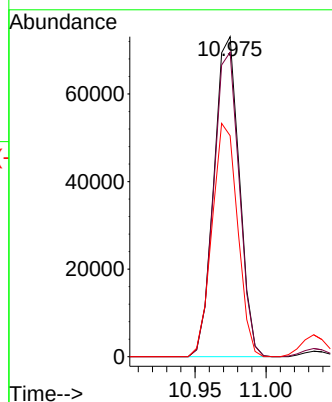
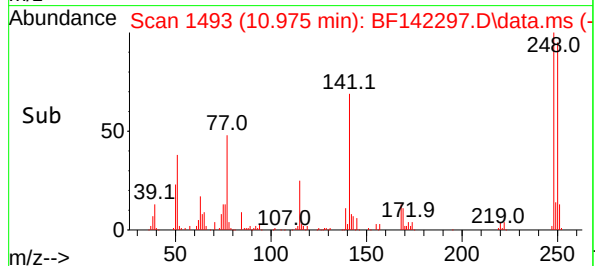
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

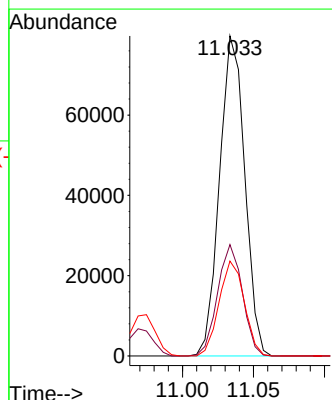
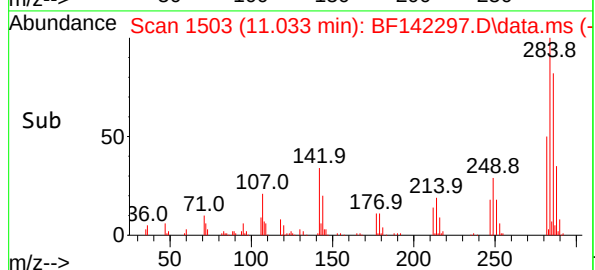
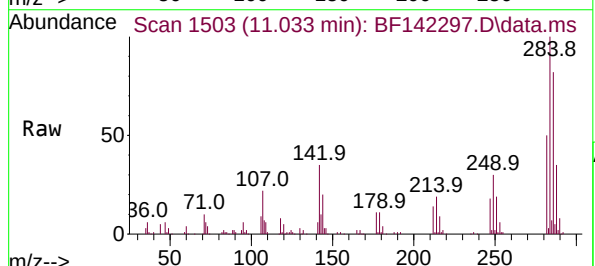
Manual Integrations
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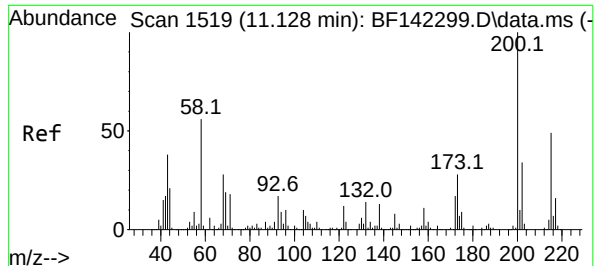
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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# 1518

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: 6591

Ion Ratio Lower Upper

200 100

173 27.9 8.1 48.1

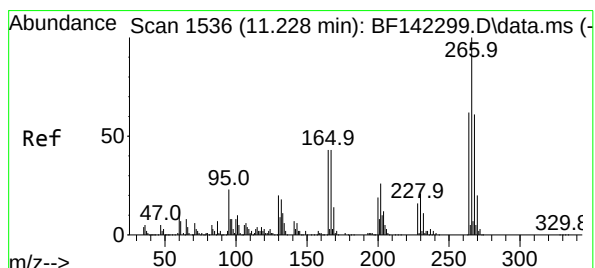
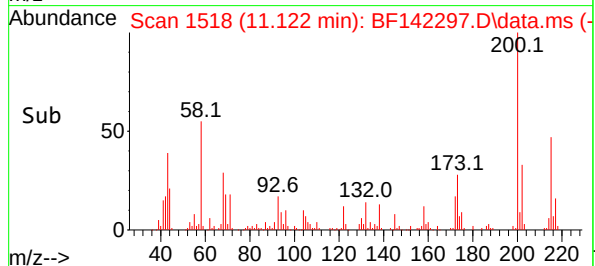
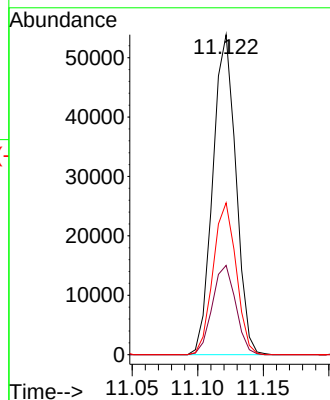
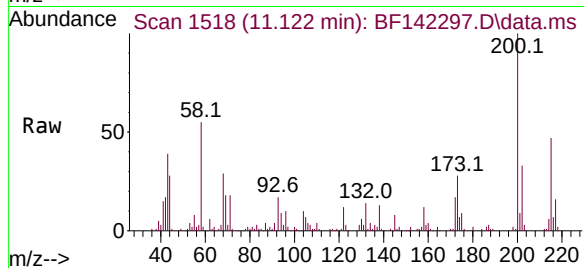
215 47.5 28.8 68.8

Manual Integrations

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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

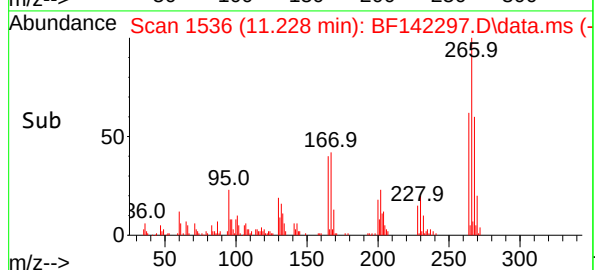
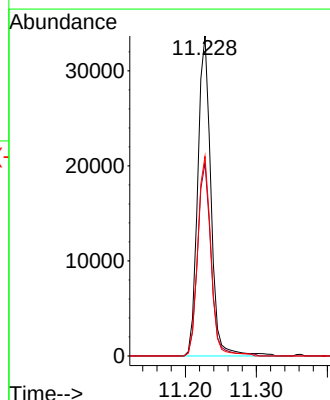
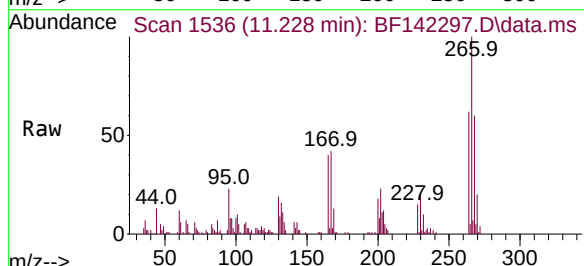
Tgt Ion:266 Resp: 43524

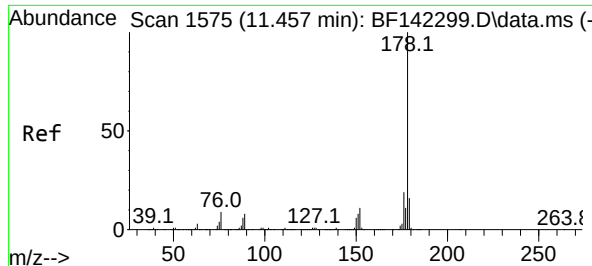
Ion Ratio Lower Upper

266 100

268 60.2 48.7 73.1

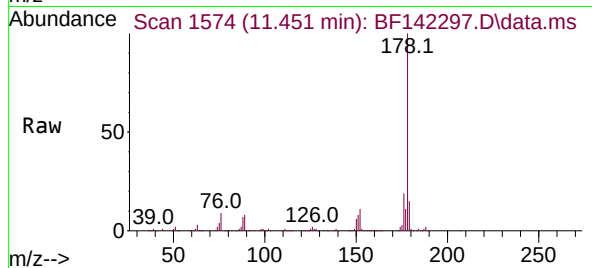
264 62.3 49.8 74.6





#71
Phenanthrene
Concen: 10.512 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

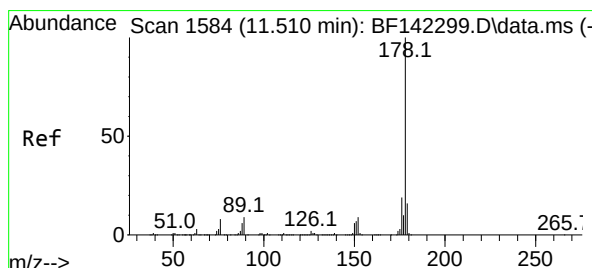
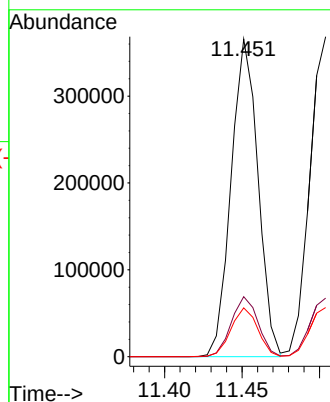
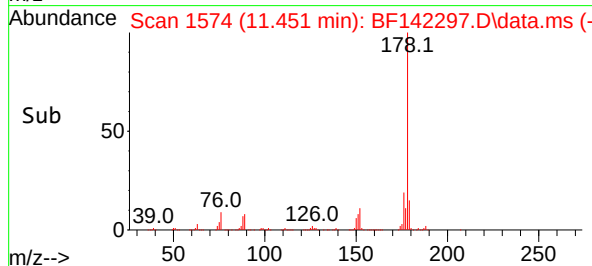
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:178 Resp: 44050
Ion Ratio Lower Upper
178 100
176 18.9 15.5 23.3
179 15.4 12.6 18.8

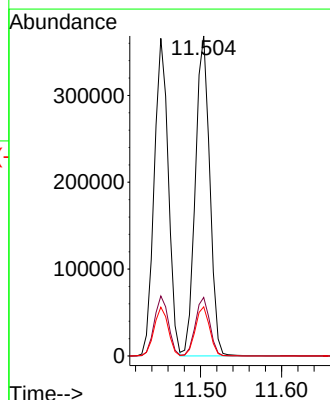
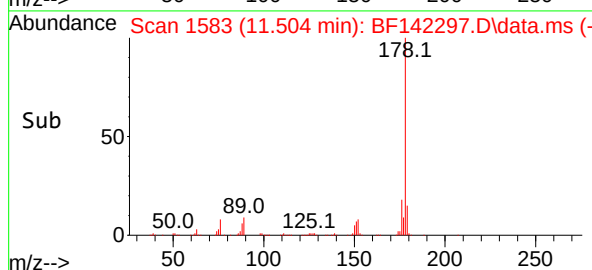
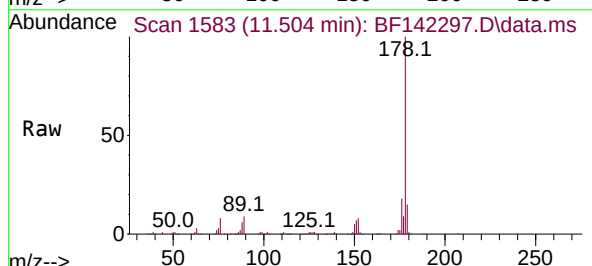
Manual Integrations
APPROVED

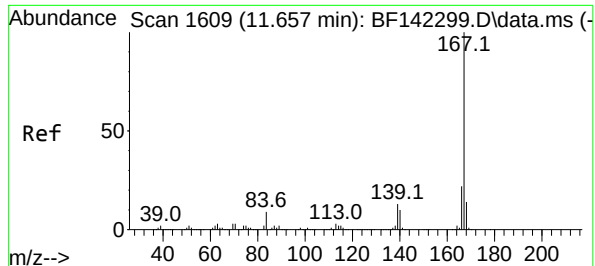
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

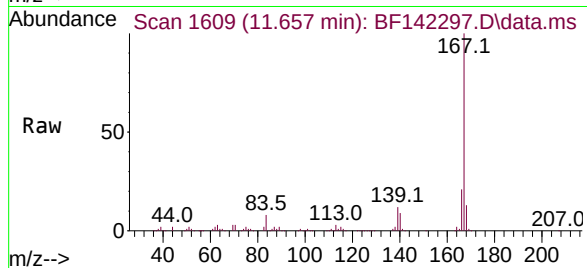
Tgt Ion:178 Resp: 454013
Ion Ratio Lower Upper
178 100
176 18.3 15.3 22.9
179 15.3 12.6 18.8





#73
 Carbazole
 Concen: 10.511 ng
 RT: 11.657 min Scan# 1609
 Delta R.T. -0.000 min
 Lab File: BF142297.D
 Acq: 05 May 2025 14:52

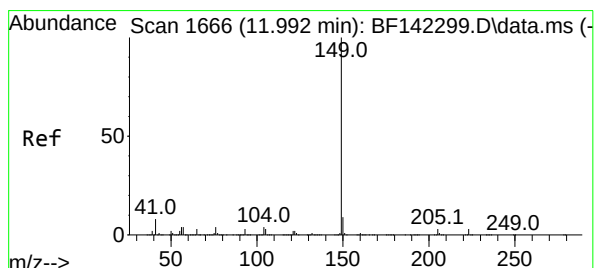
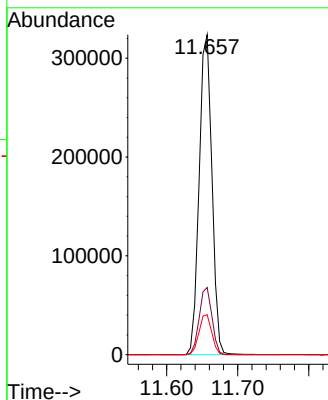
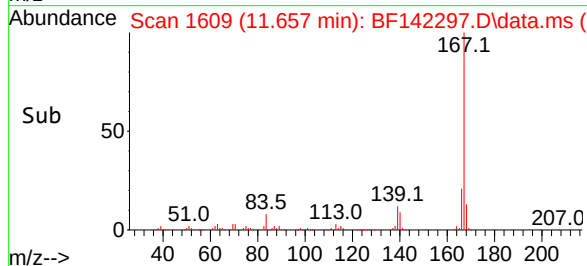
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010



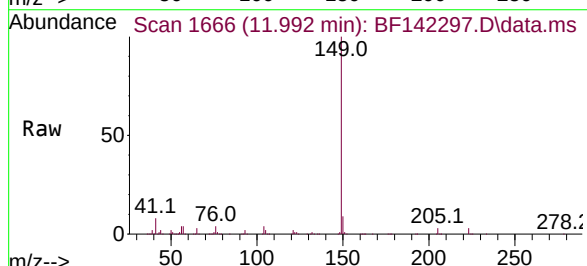
Tgt Ion:167 Resp: 406000
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.2 25.8
 139 12.5 10.3 15.5

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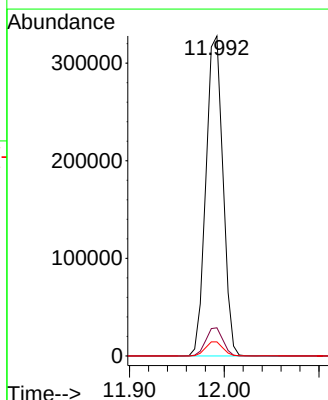
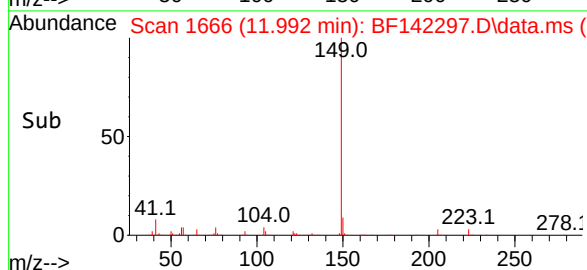
Reviewed By :Rahul Chavli 05/06/2025
 Supervised By :Jagrut Upadhyay 05/06/2025

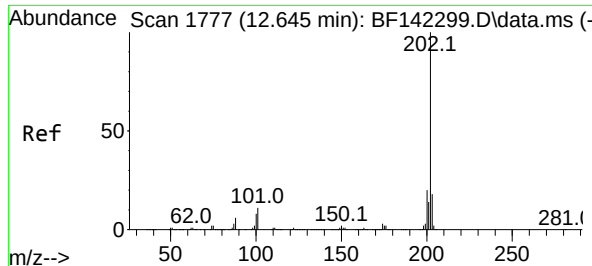


#74
 Di-n-butylphthalate
 Concen: 10.060 ng
 RT: 11.992 min Scan# 1666
 Delta R.T. 0.000 min
 Lab File: BF142297.D
 Acq: 05 May 2025 14:52



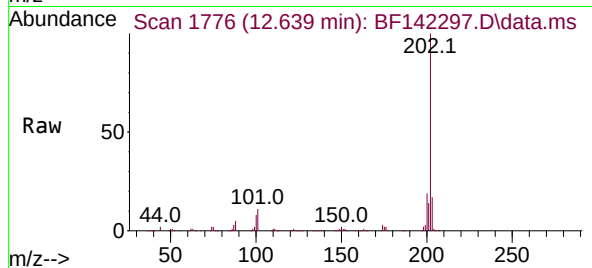
Tgt Ion:149 Resp: 408614
 Ion Ratio Lower Upper
 149 100
 150 8.8 7.5 11.3
 104 4.4 3.6 5.4





#75
Fluoranthene
Concen: 11.011 ng
RT: 12.639 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

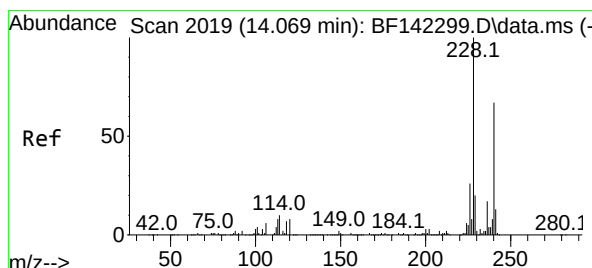
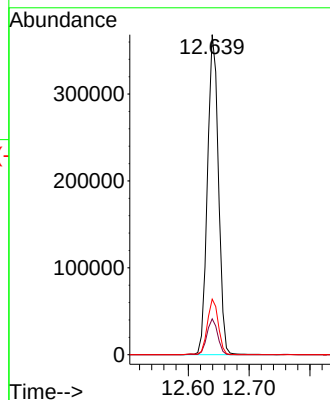
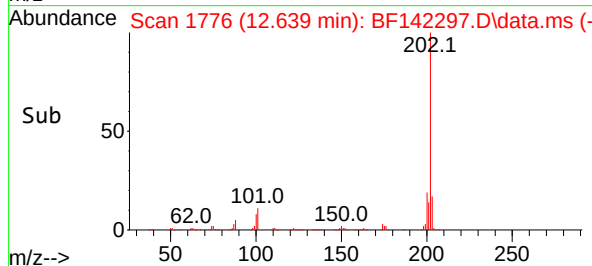
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

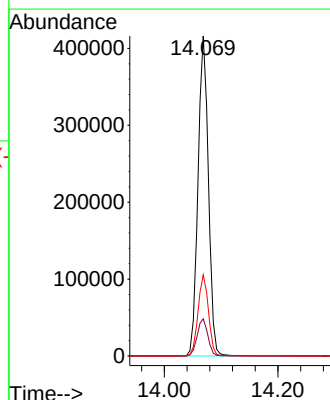
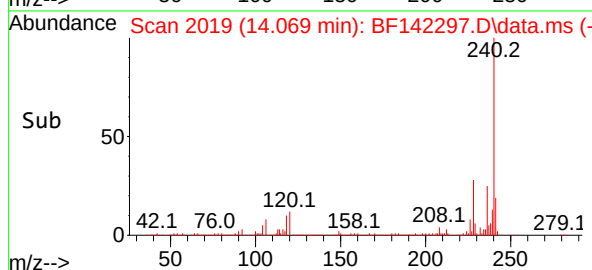
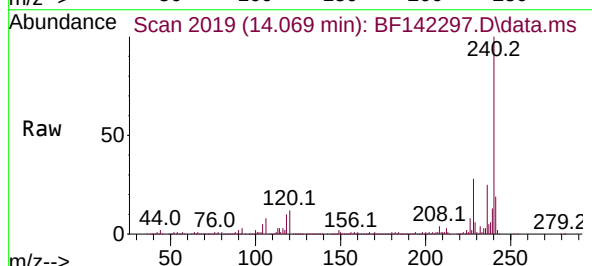
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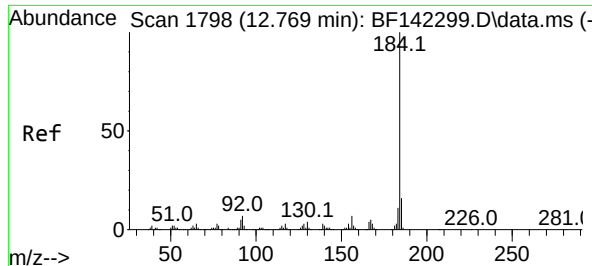
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

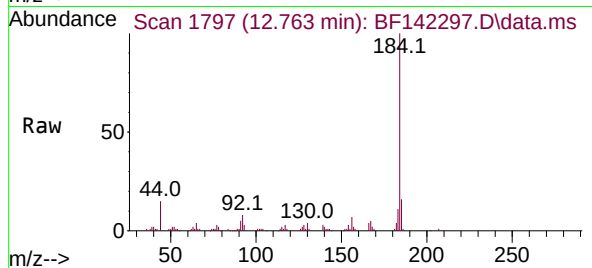
Tgt Ion:240 Resp: 531922
Ion Ratio Lower Upper
240 100
120 11.6 9.7 14.5
236 25.3 20.0 30.0





#77
Benzidine
Concen: 7.482 ng
RT: 12.763 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

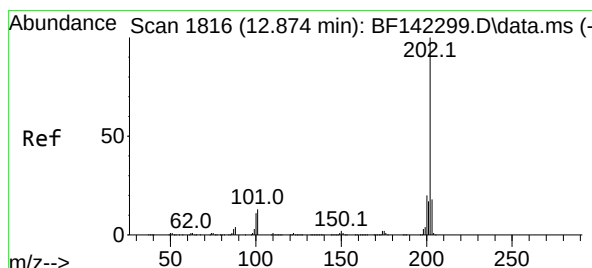
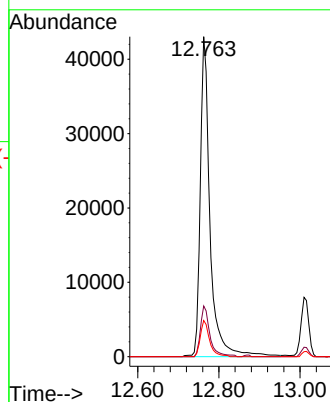
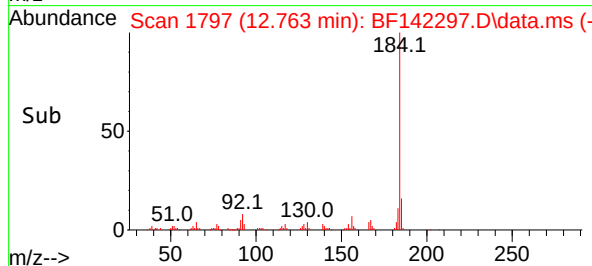
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:184 Resp: 7232
Ion Ratio Lower Upper
184 100
185 15.8 12.6 18.8
183 11.3 8.6 12.8

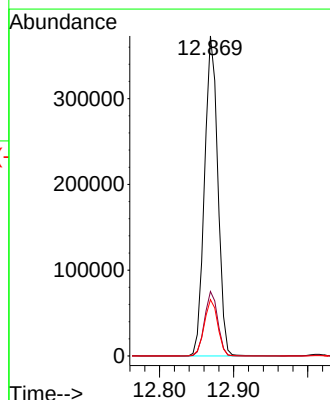
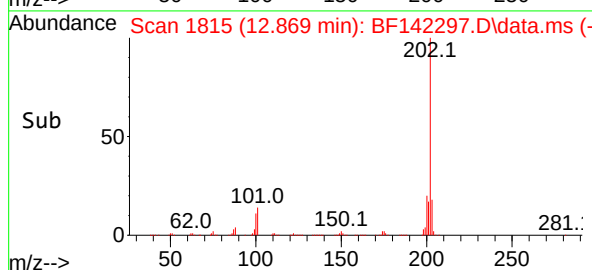
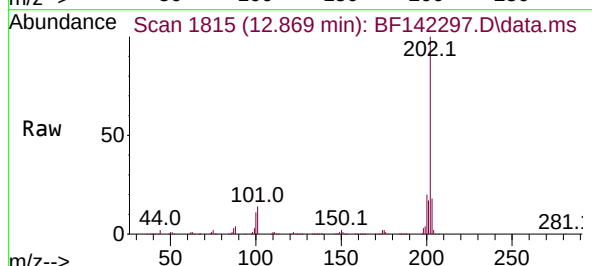
Manual Integrations
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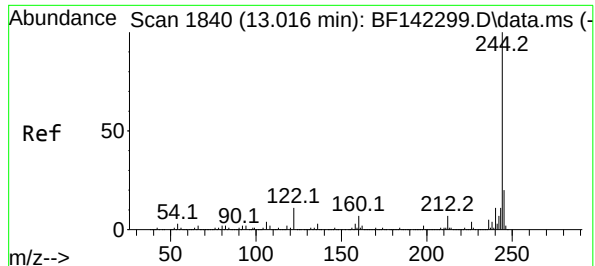
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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# 1839

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: 75721

Ion Ratio Lower Upper

244 100

212 6.5 5.4 8.2

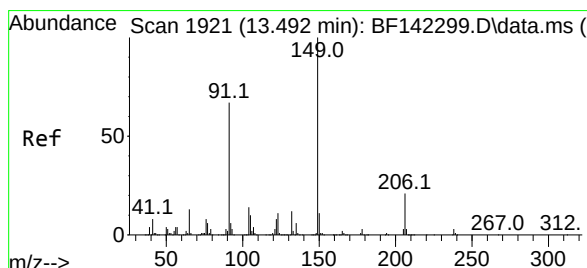
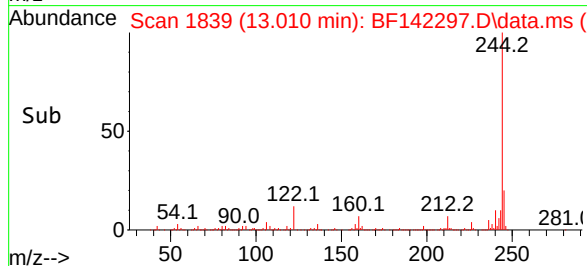
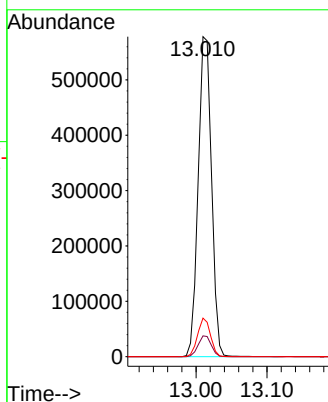
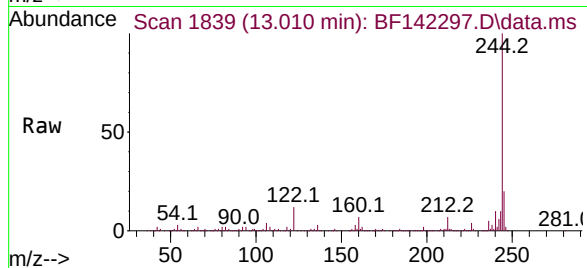
122 12.1 9.0 13.4

Manual Integrations

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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

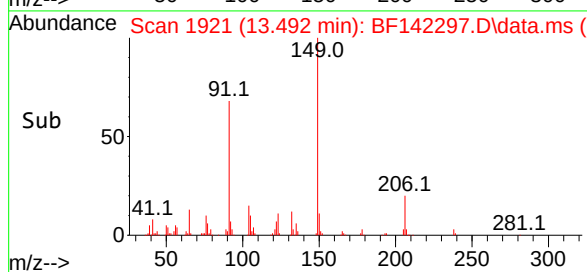
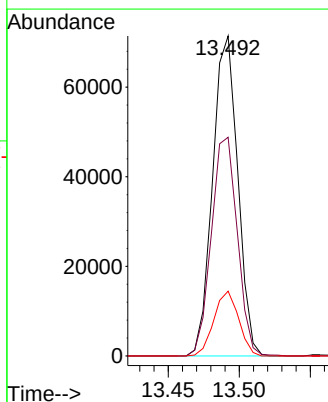
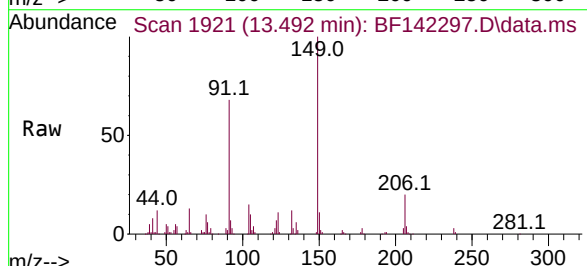
Tgt Ion:149 Resp: 87770

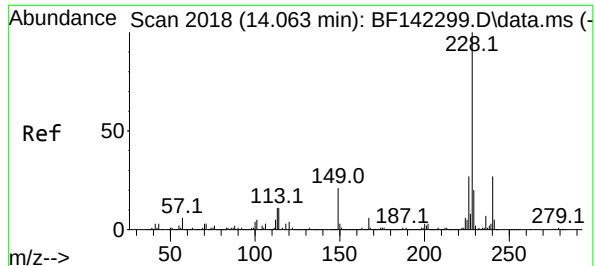
Ion Ratio Lower Upper

149 100

91 68.4 53.8 80.6

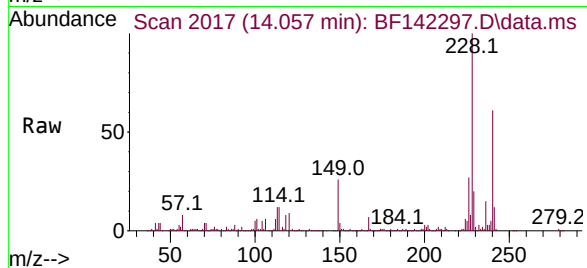
206 20.3 16.6 24.8





#81
Benzo(a)anthracene
Concen: 10.033 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

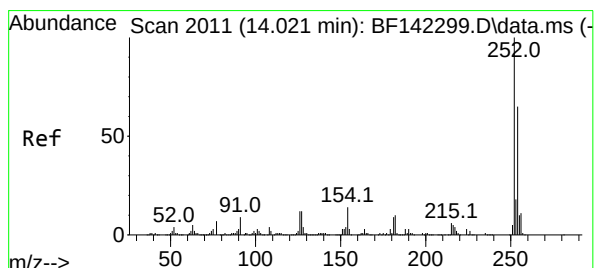
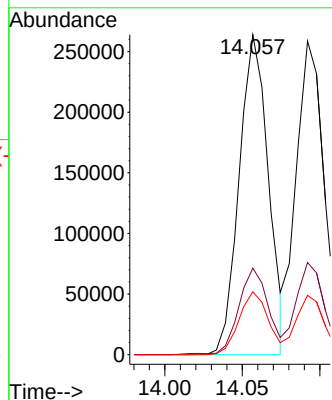
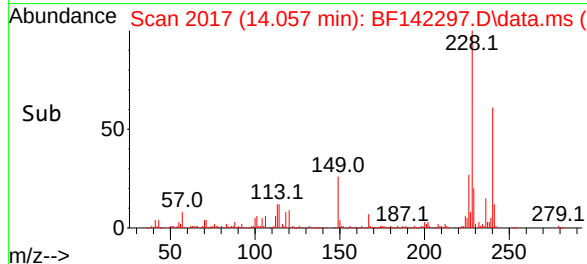
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



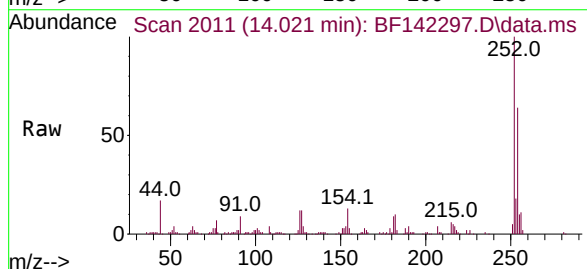
Tgt Ion:228 Resp: 34560
Ion Ratio Lower Upper
228 100
226 27.0 21.5 32.3
229 19.6 15.9 23.9

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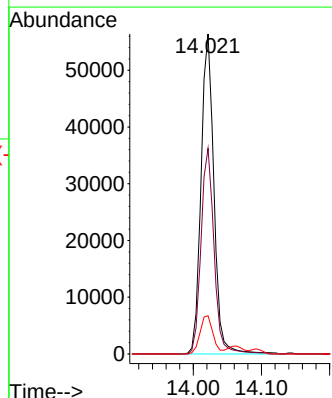
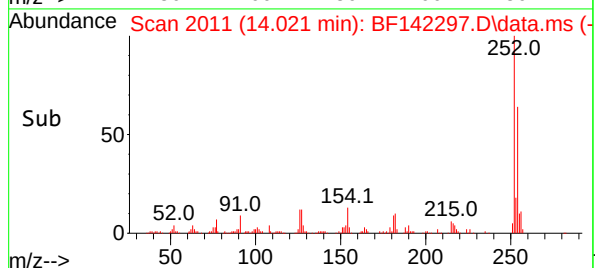
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

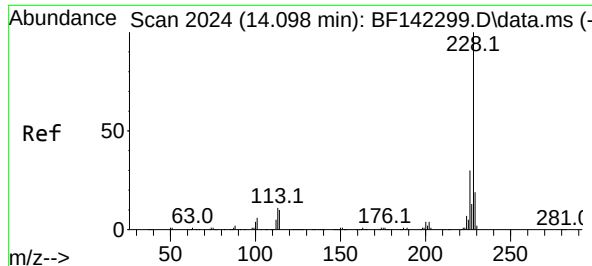


#82
3,3'-Dichlorobenzidine
Concen: 9.267 ng
RT: 14.021 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52



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# 2016

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

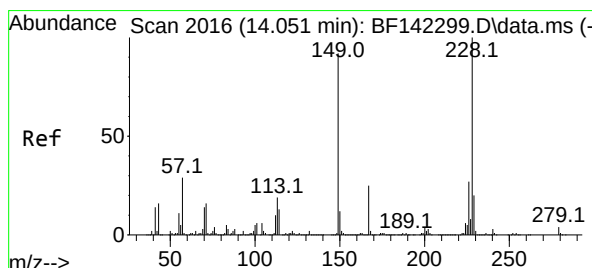
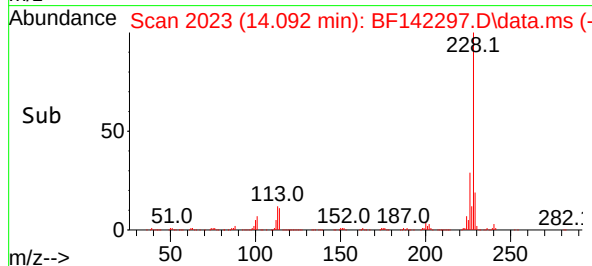
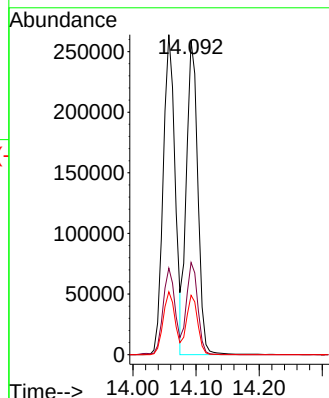
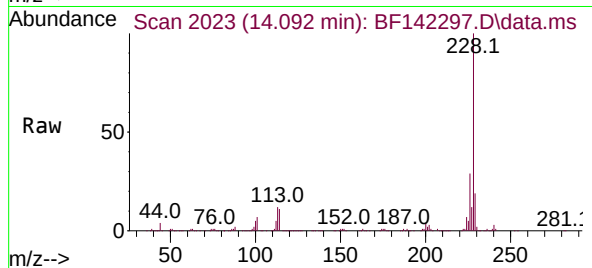
229 18.9 15.4 23.2

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

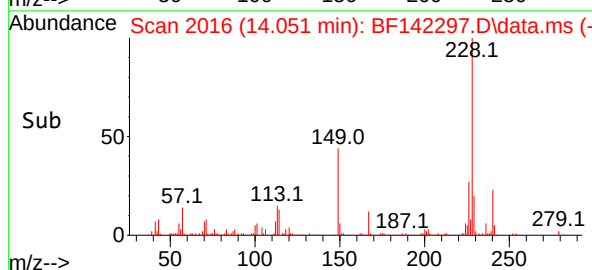
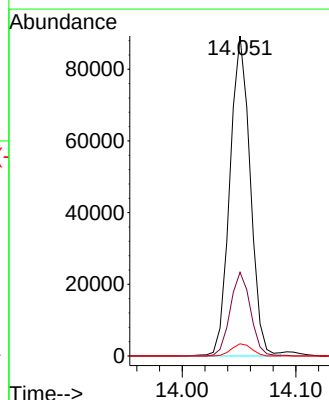
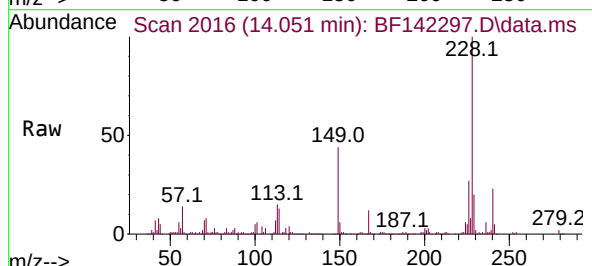
Tgt Ion:149 Resp: 111032

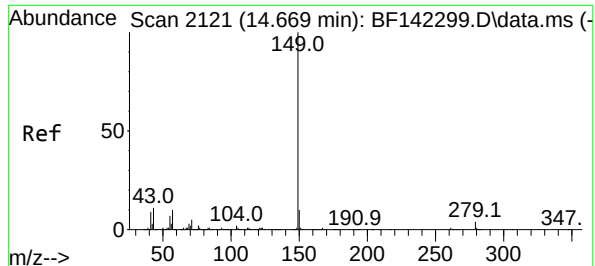
Ion Ratio Lower Upper

149 100

167 26.2 22.0 33.0

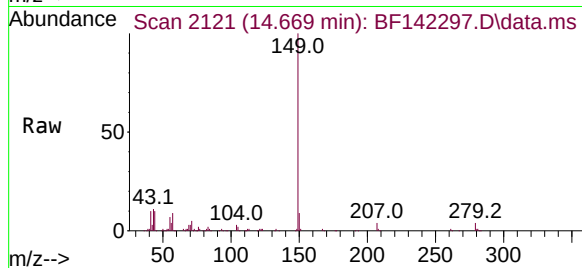
279 3.8 3.0 4.6





#85
Di-n-octyl phthalate
Concen: 11.860 ng
RT: 14.669 min Scan# 2121
Delta R.T. -0.001 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

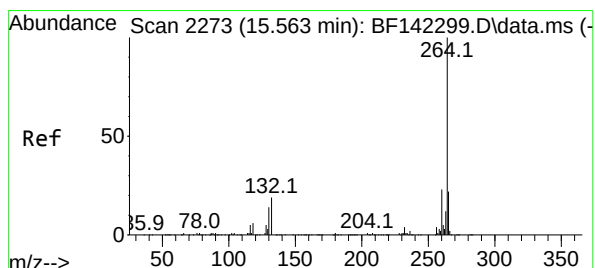
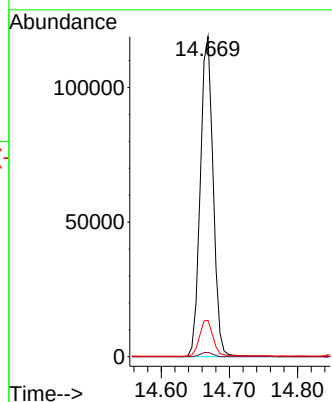
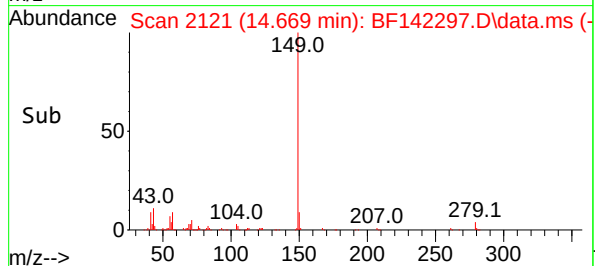
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

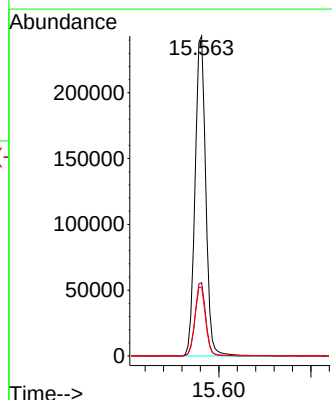
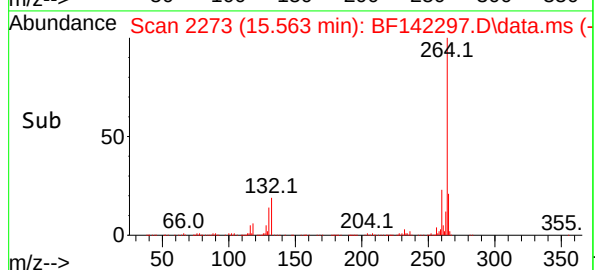
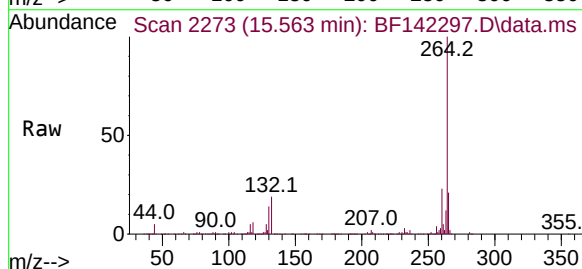
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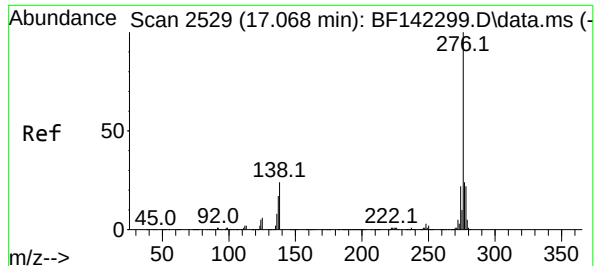
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

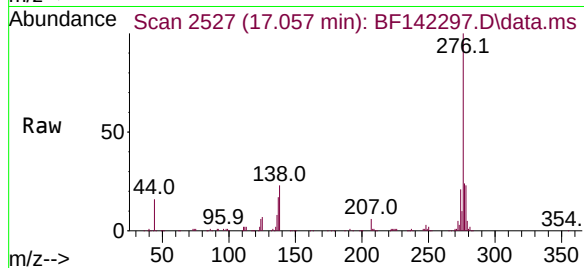
Tgt Ion:264 Resp: 390300
Ion Ratio Lower Upper
264 100
260 22.9 18.6 27.8
265 21.5 17.5 26.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 9.211 ng
RT: 17.057 min Scan# 2197
Delta R.T. -0.012 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

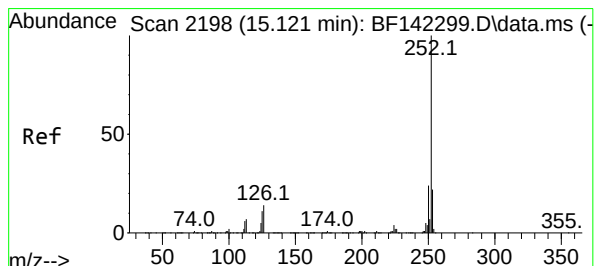
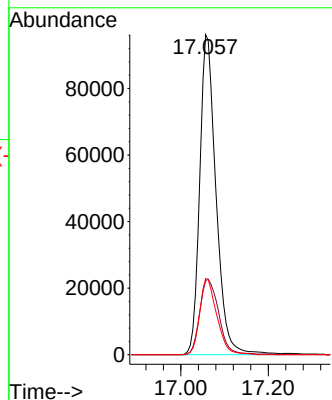
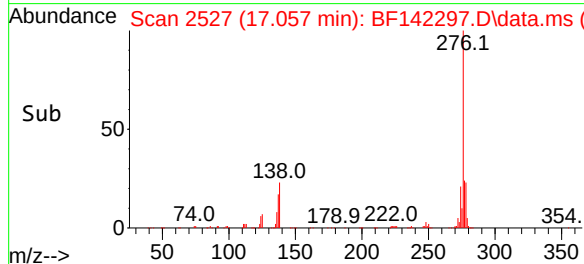
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



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

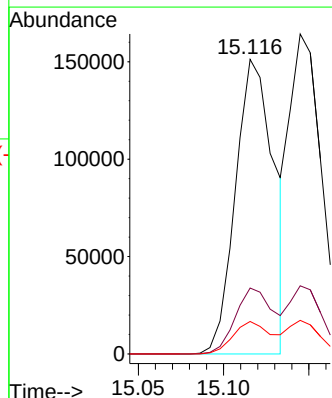
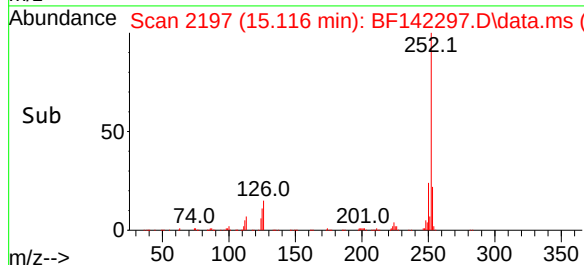
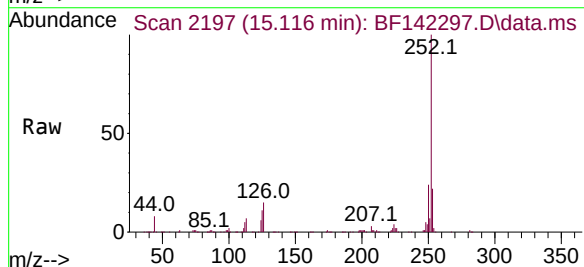
Manual Integrations
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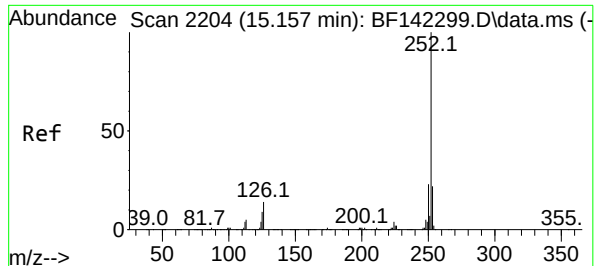
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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# 21

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

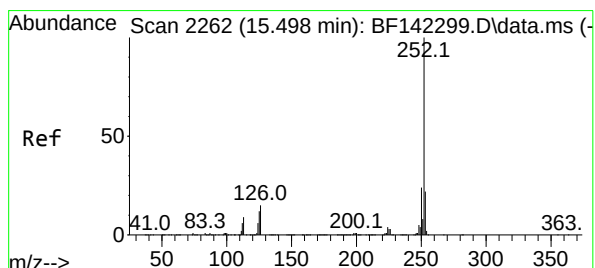
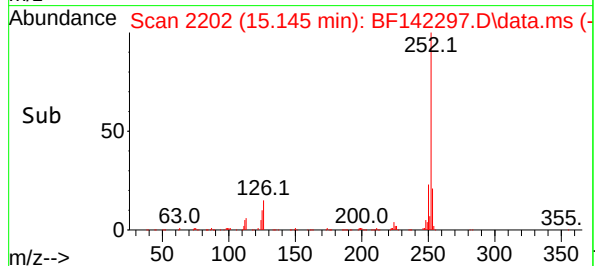
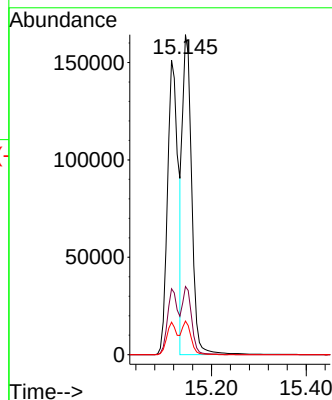
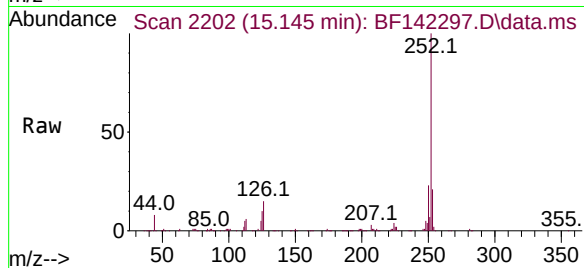
125 10.5 8.1 12.1

Manual Integrations

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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

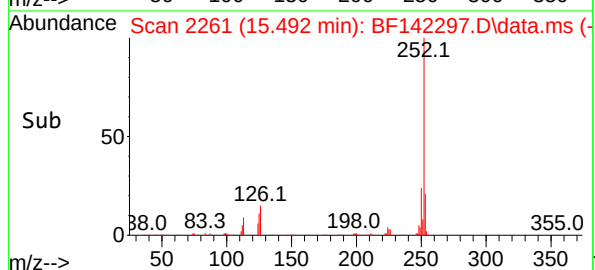
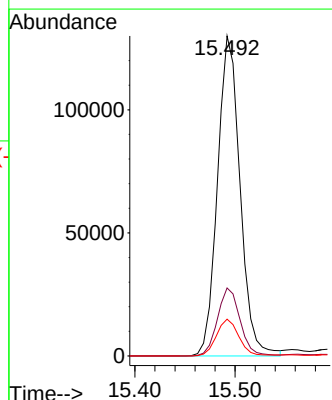
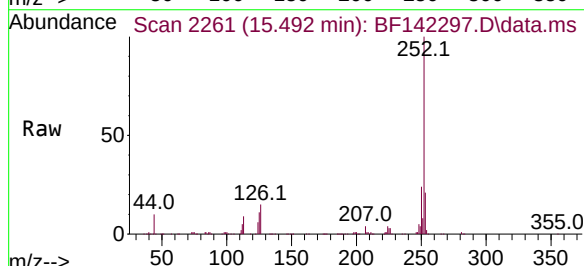
Tgt Ion:252 Resp: 203272

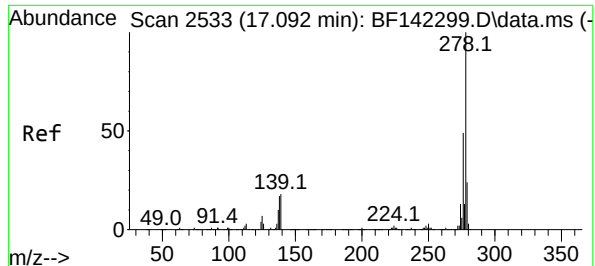
Ion Ratio Lower Upper

252 100

253 21.2 17.8 26.6

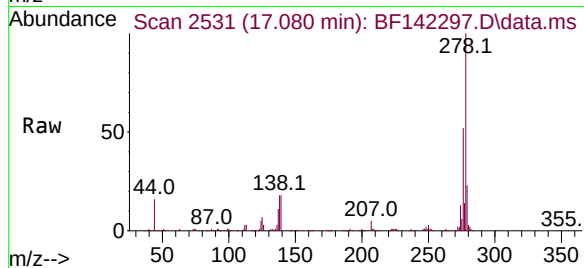
125 11.5 9.4 14.0





#91
Dibenzo(a,h)anthracene
Concen: 9.272 ng
RT: 17.080 min Scan# 2531
Delta R.T. -0.012 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

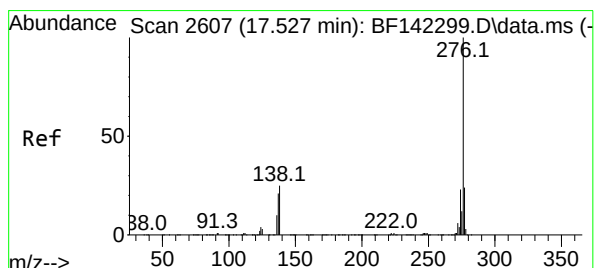
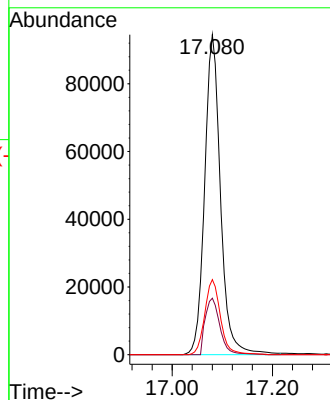
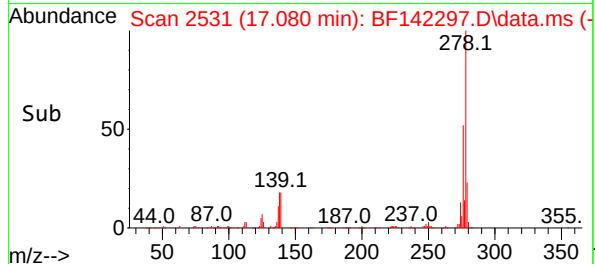
Instrument :
BNA_F
ClientSampleId :
SSTDICC010



Tgt Ion:278 Resp: 20796
Ion Ratio Lower Upper
278 100
139 17.6 14.5 21.7
279 23.4 18.9 28.3

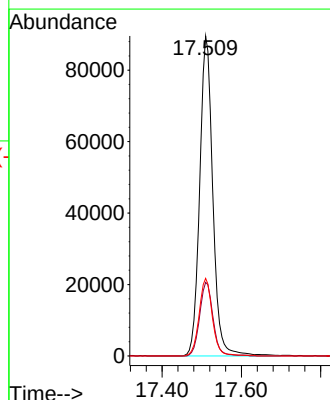
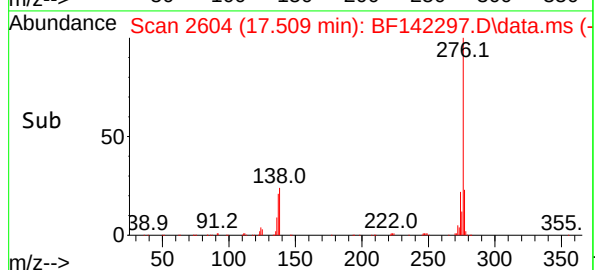
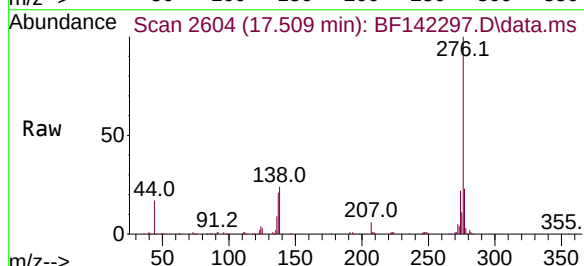
Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 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

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

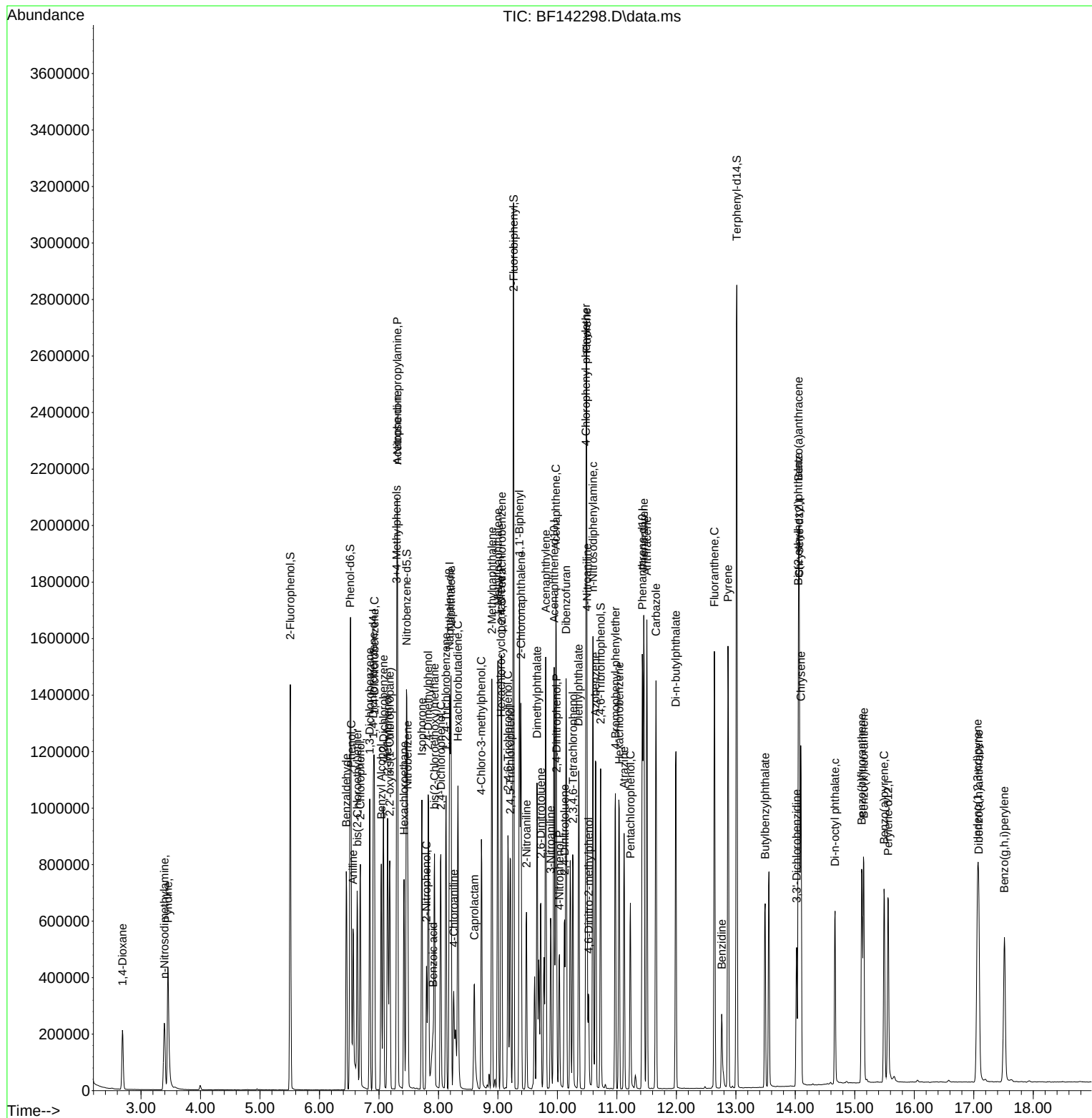
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	175468	20.829	ng	99
46) 1,1'-Biphenyl	9.363	154	735501	21.344	ng	98
47) 2-Chloronaphthalene	9.386	162	536203	20.924	ng	100
48) 2-Nitroaniline	9.481	65	131275	19.985	ng	99
49) Acenaphthylene	9.804	152	902949	21.063	ng	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

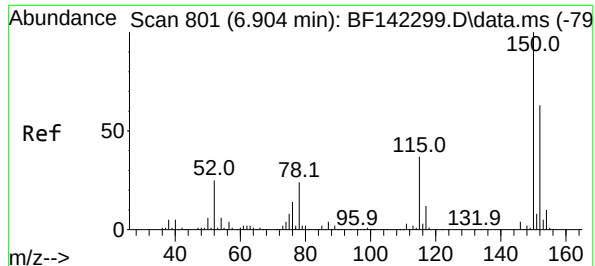
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Manual Integrations APPROVED

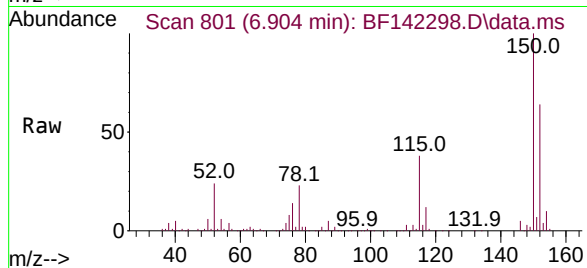
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

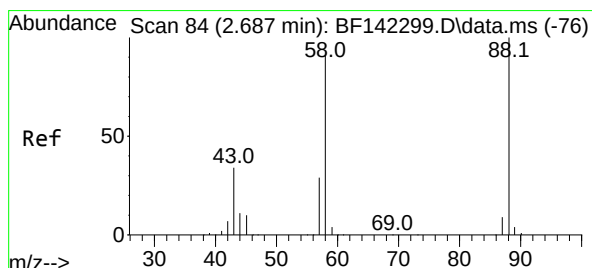
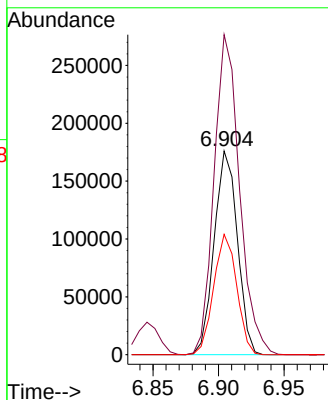
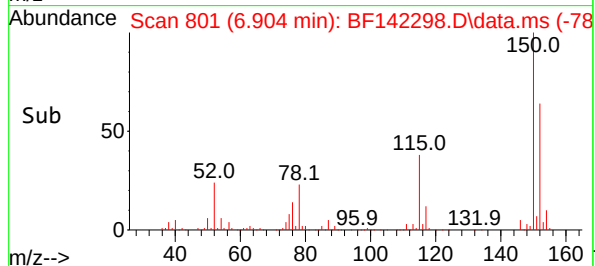
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:152 Resp: 216280
Ion Ratio Lower Upper
152 100
150 157.2 126.6 190.0
115 59.1 47.3 70.9

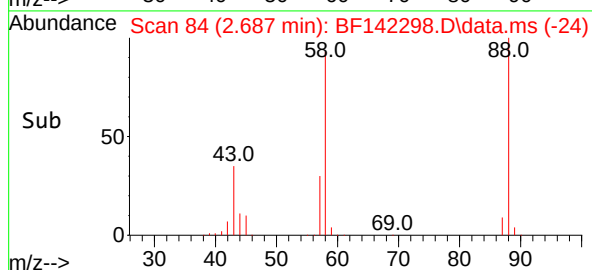
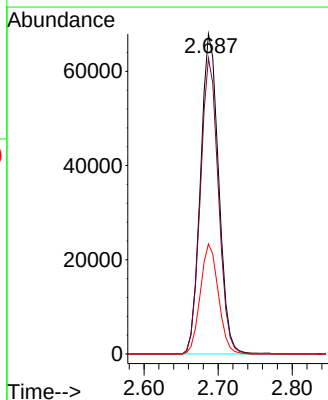
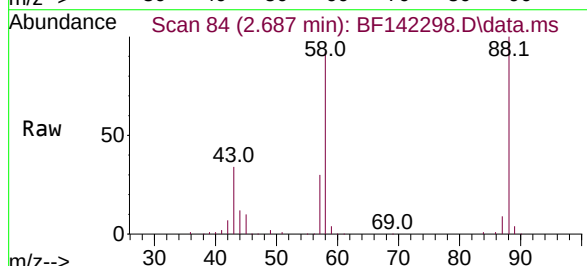
Manual Integrations
APPROVED

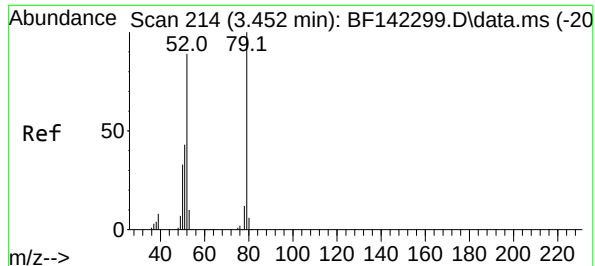
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

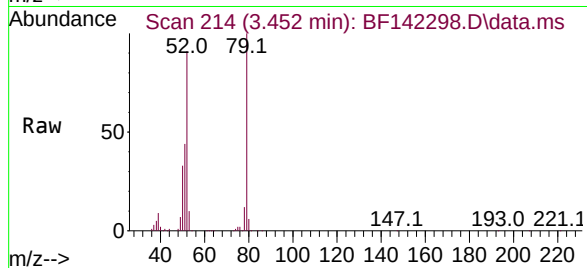
Tgt Ion: 88 Resp: 115676
Ion Ratio Lower Upper
88 100
58 91.5 73.0 109.4
43 34.2 27.8 41.6





#3
Pyridine
Concen: 19.504 ng
RT: 3.452 min Scan# 214
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

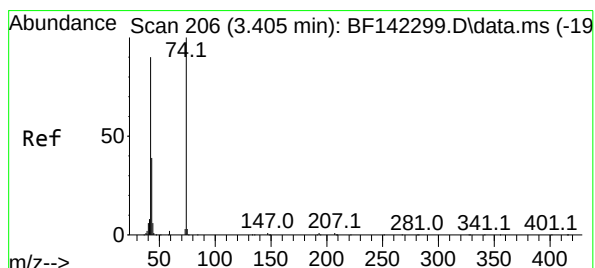
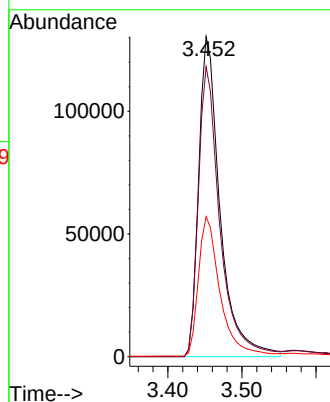
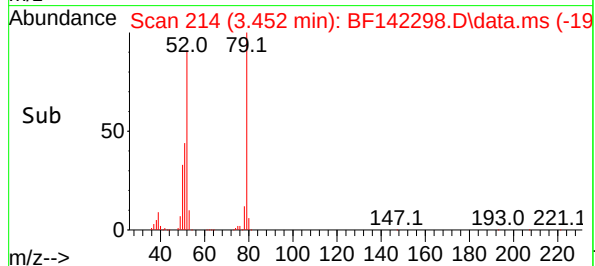
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion: 79 Resp: 26166
Ion Ratio Lower Upper
79 100
52 90.6 71.0 106.4
51 43.7 34.9 52.3

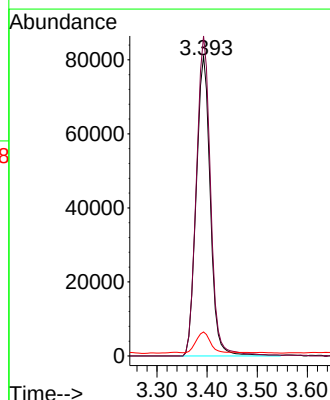
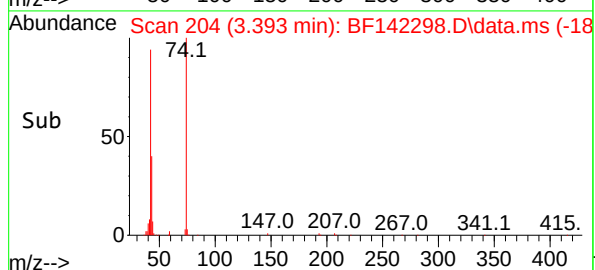
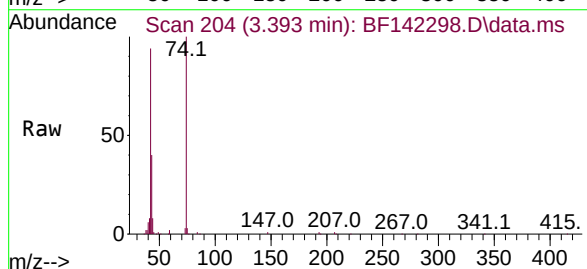
Manual Integrations
APPROVED

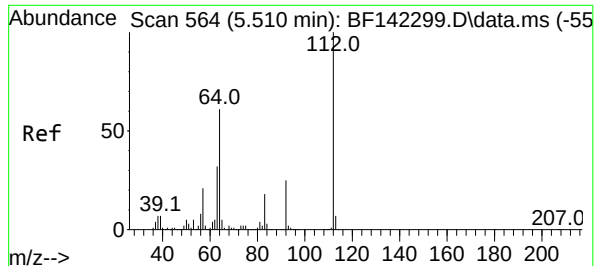
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

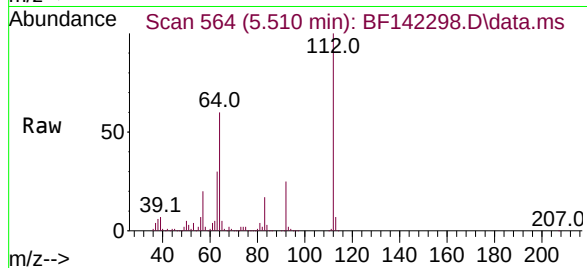
Tgt Ion: 42 Resp: 157578
Ion Ratio Lower Upper
42 100
74 106.6 88.5 132.7
44 8.0 5.8 8.8





#5
2-Fluorophenol
Concen: 41.358 ng
RT: 5.510 min Scan# 510
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

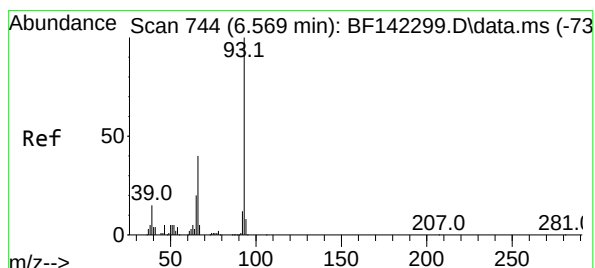
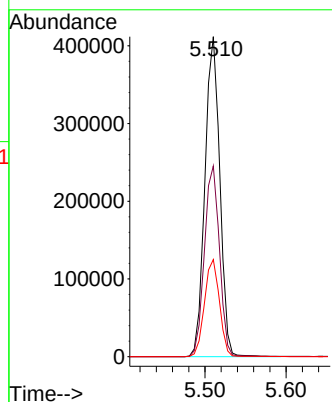
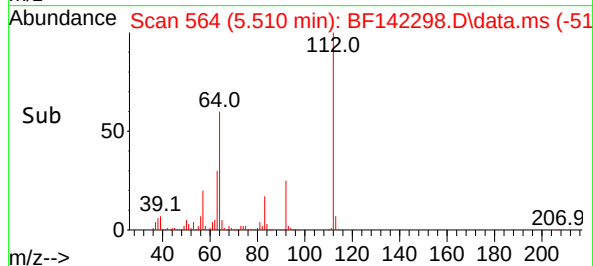
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion: 112 Resp: 524000
Ion Ratio Lower Upper
112 100
64 59.6 48.9 73.3
63 30.4 25.6 38.4

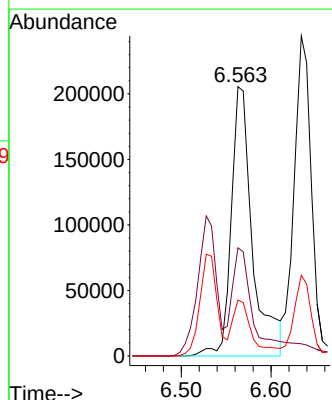
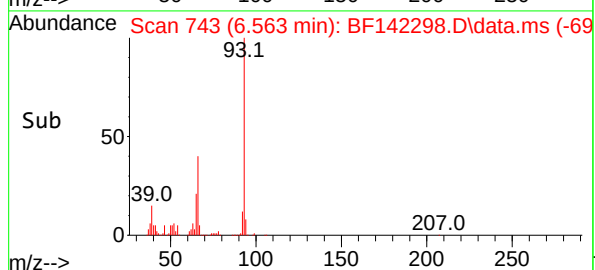
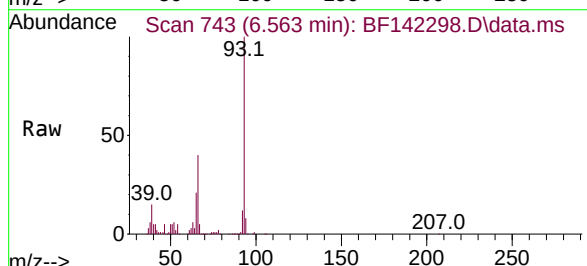
Manual Integrations
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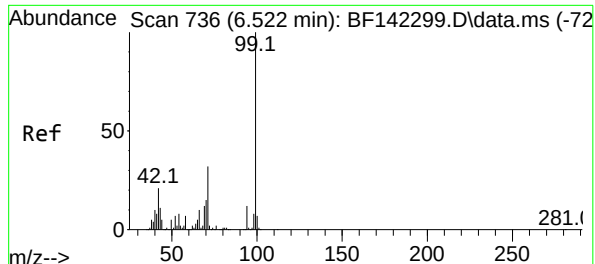
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

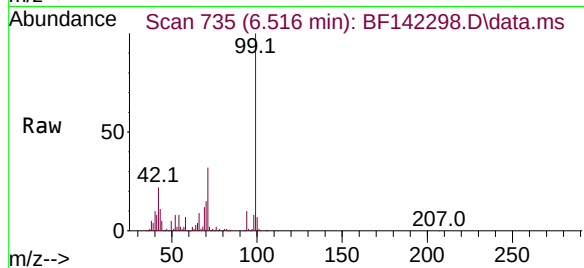
Tgt Ion: 93 Resp: 339232
Ion Ratio Lower Upper
93 100
66 40.2 32.2 48.4
65 20.8 16.3 24.5





#7
Phenol-d6
Concen: 41.341 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

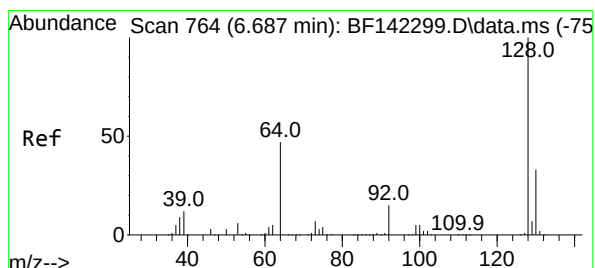
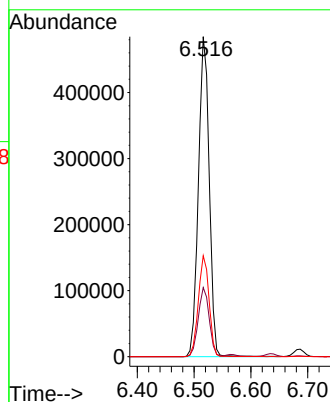
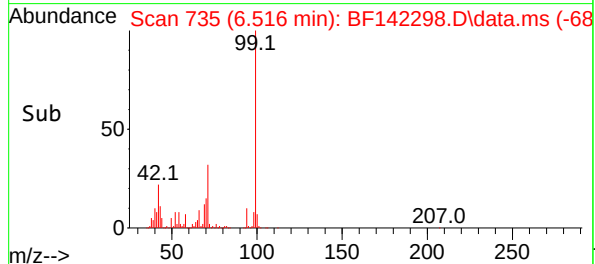
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion: 99 Resp: 64422
Ion Ratio Lower Upper
99 100
42 21.6 17.0 25.4
71 31.6 25.8 38.8

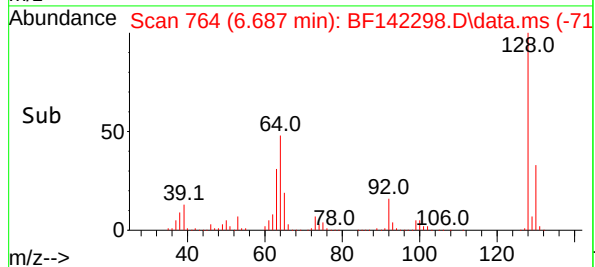
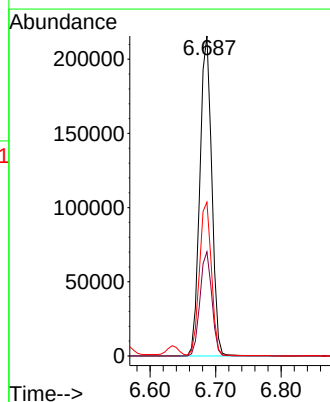
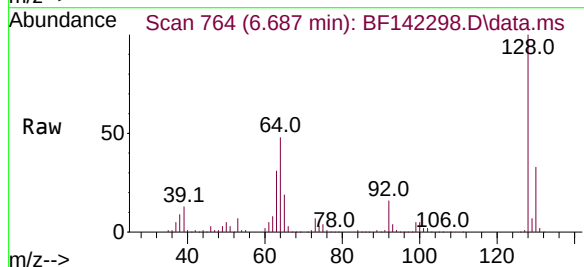
Manual Integrations
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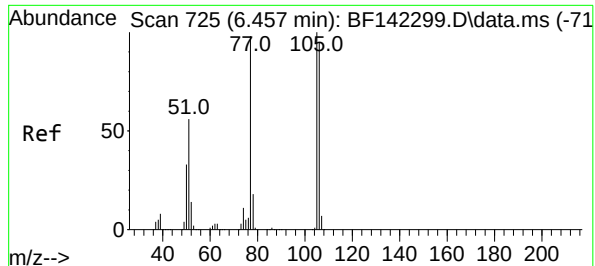
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

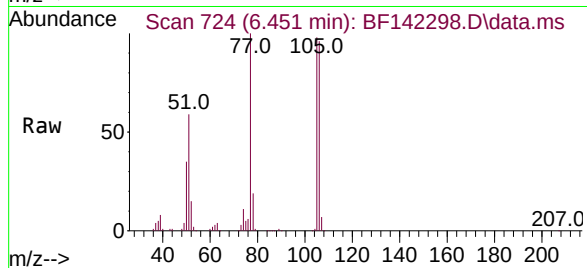
Tgt Ion:128 Resp: 273145
Ion Ratio Lower Upper
128 100
130 32.6 12.7 52.7
64 48.0 29.2 69.2





#9
Benzaldehyde
Concen: 21.418 ng
RT: 6.451 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

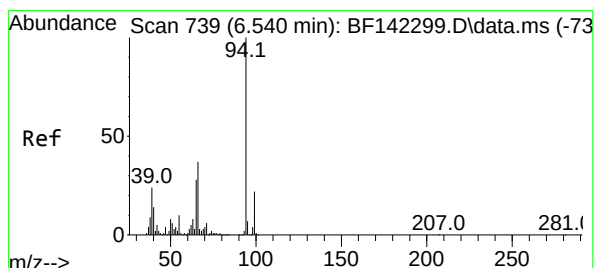
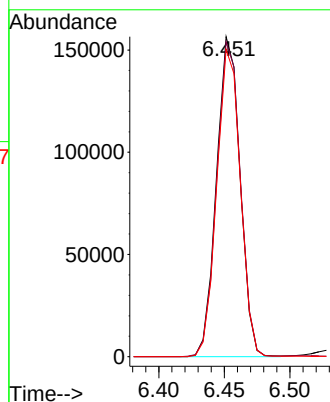
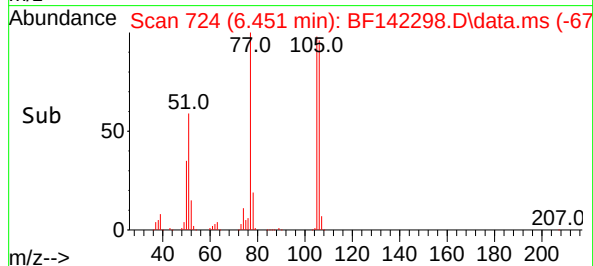
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



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

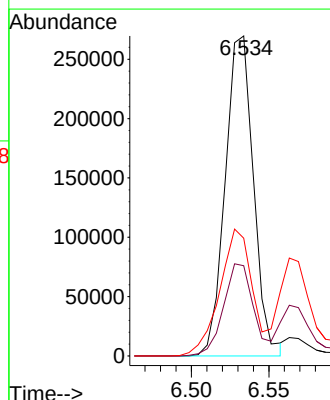
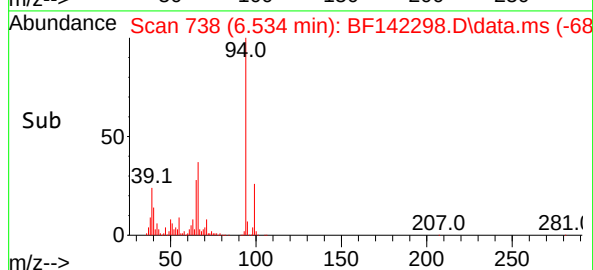
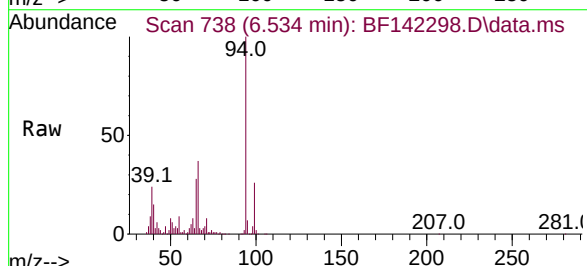
Manual Integrations
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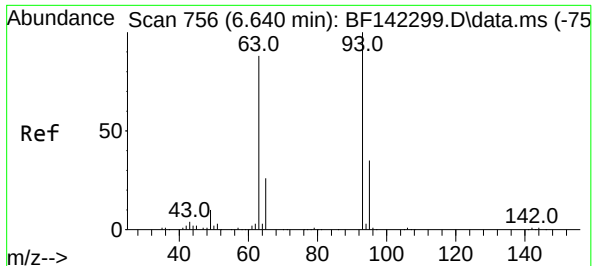
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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





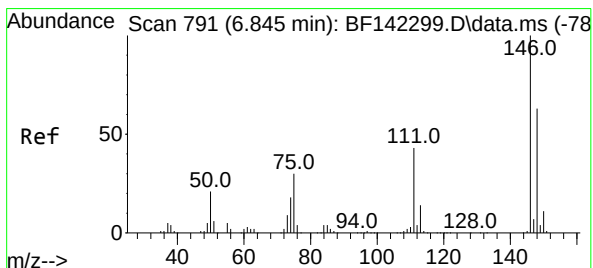
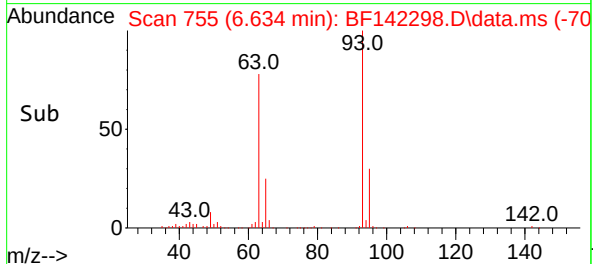
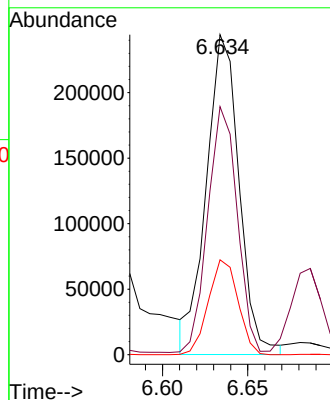
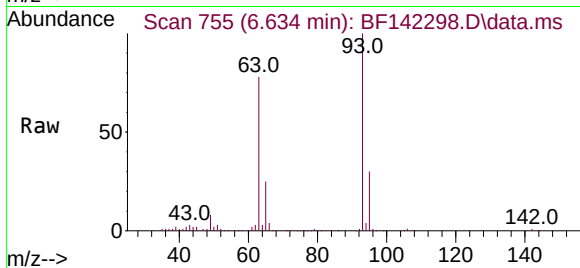
#11
bis(2-Chloroethyl)ether
Concen: 20.046 ng
RT: 6.634 min Scan# 755
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 93 Resp: 32653
Ion Ratio Lower Upper
93 100
63 77.5 58.4 98.4
95 29.7 10.6 50.6

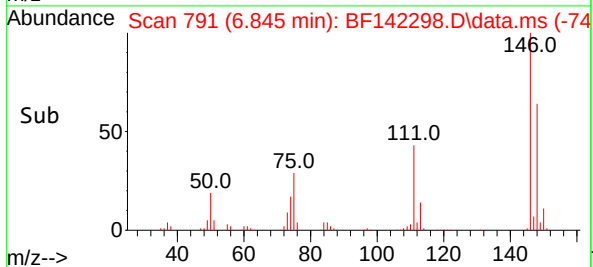
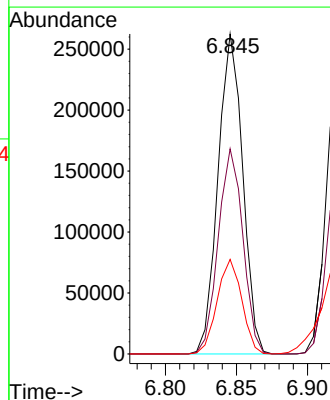
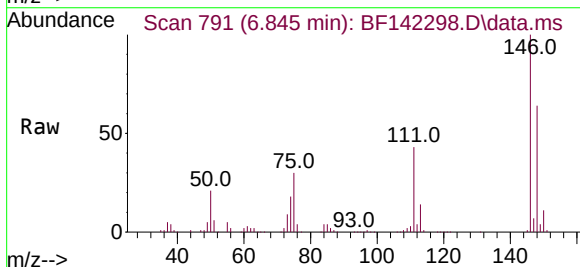
Manual Integrations
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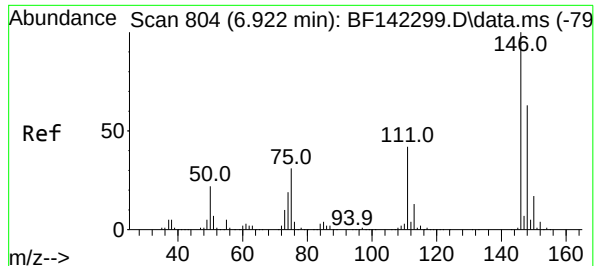
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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# 804

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: 32144

Ion Ratio Lower Upper

146 100

148 64.3 50.5 75.7

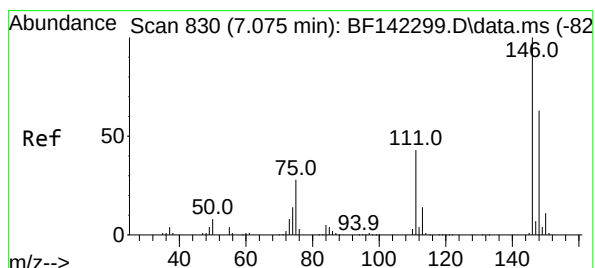
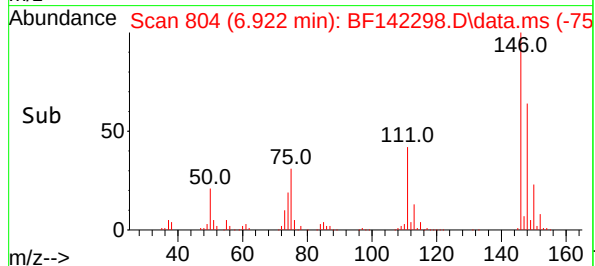
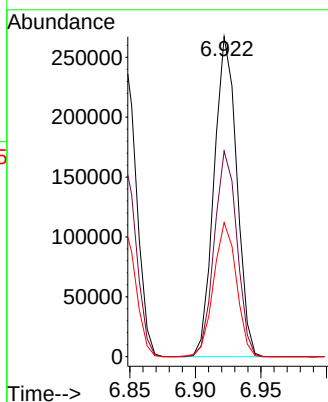
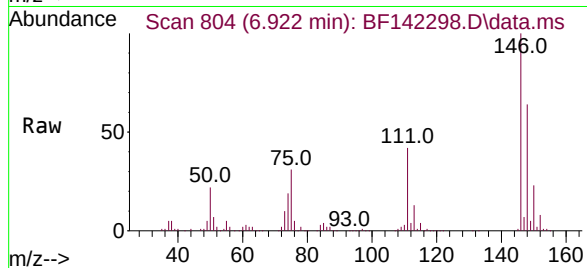
111 41.9 33.4 50.2

Manual Integrations

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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

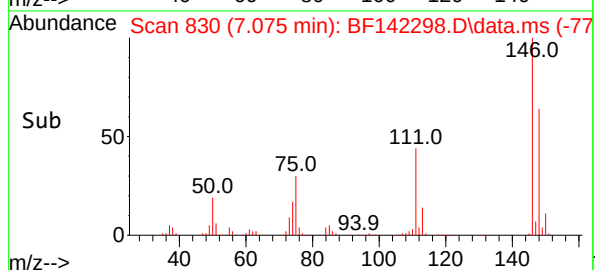
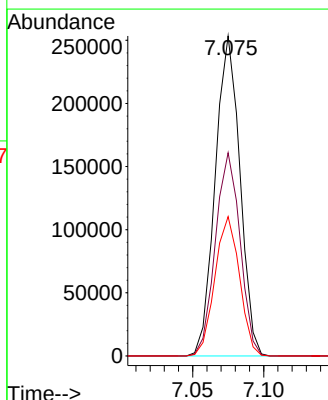
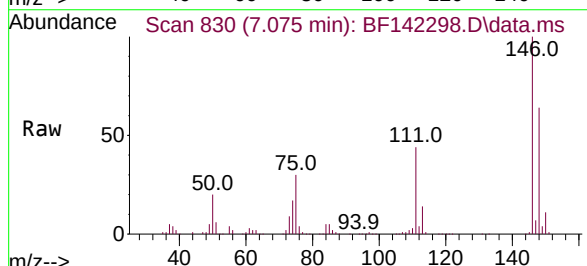
Tgt Ion:146 Resp: 306024

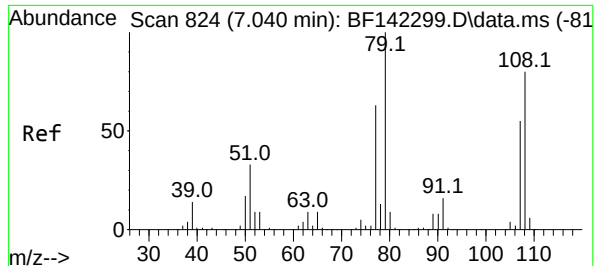
Ion Ratio Lower Upper

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# 81

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: 20176

Ion Ratio Lower Upper

79 100

108 80.3 63.9 95.9

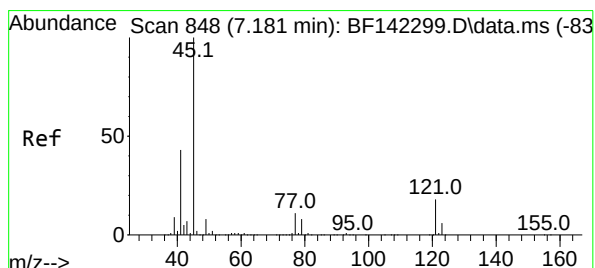
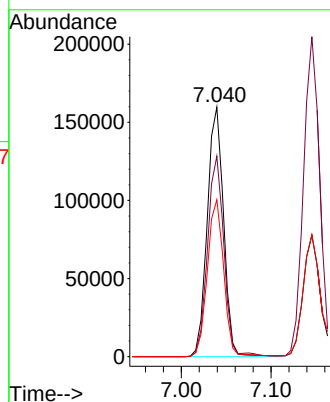
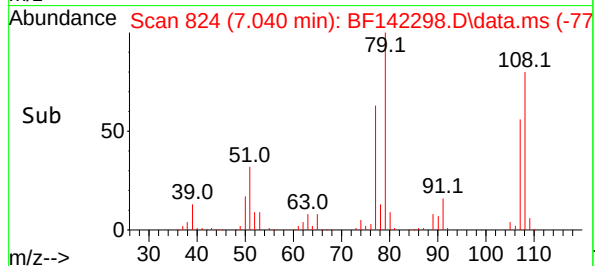
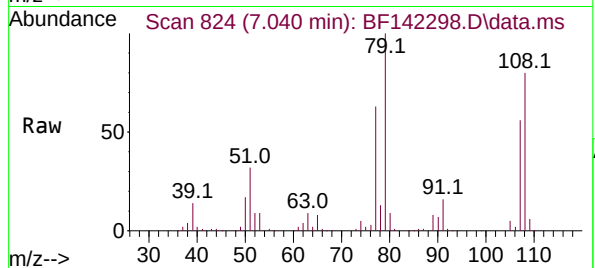
77 62.9 50.7 76.1

Manual Integrations

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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

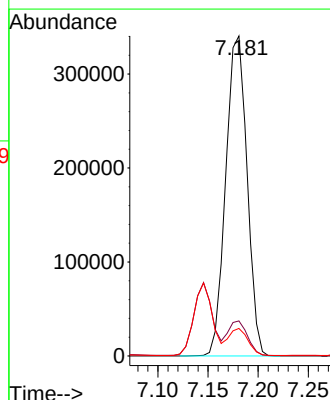
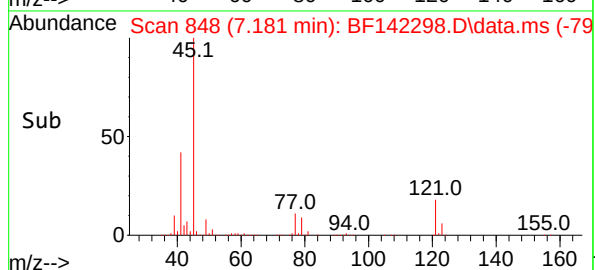
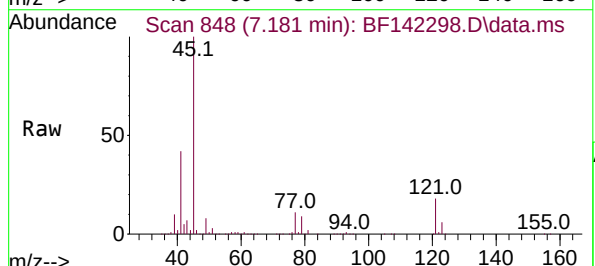
Tgt Ion: 45 Resp: 502839

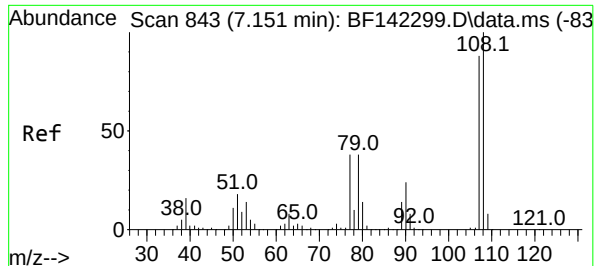
Ion Ratio Lower Upper

45 100

77 11.0 0.0 31.2

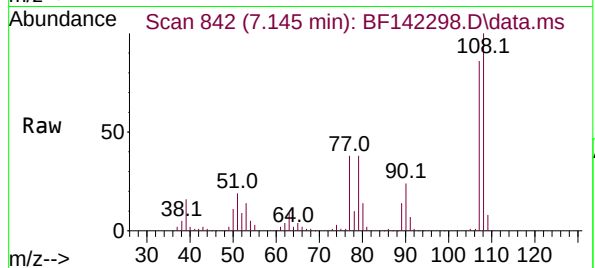
79 8.6 0.0 28.5





#17
2-Methylphenol
Concen: 20.166 ng
RT: 7.145 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

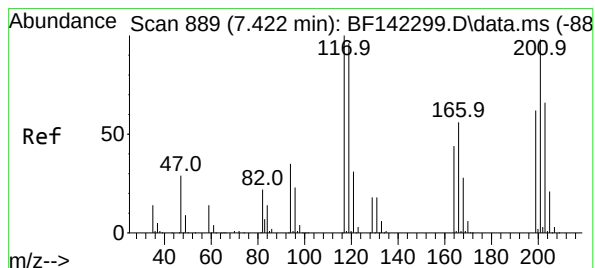
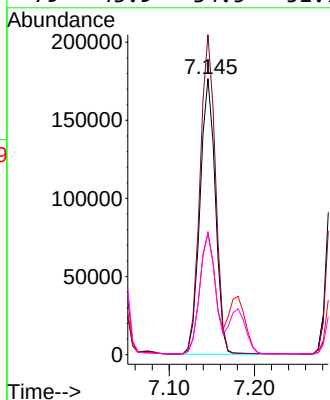
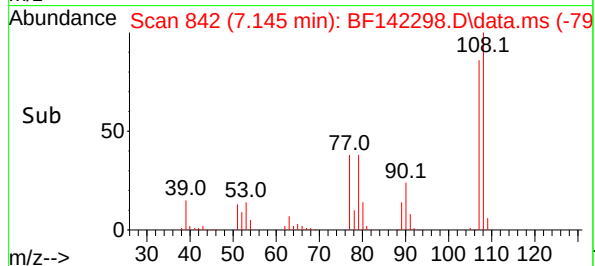
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



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

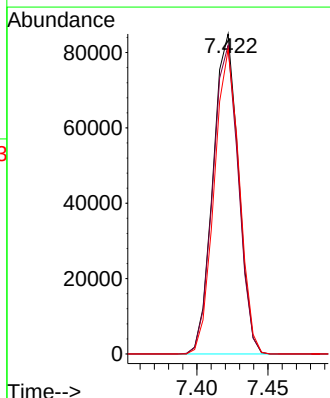
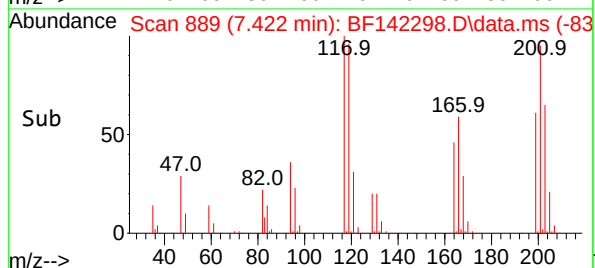
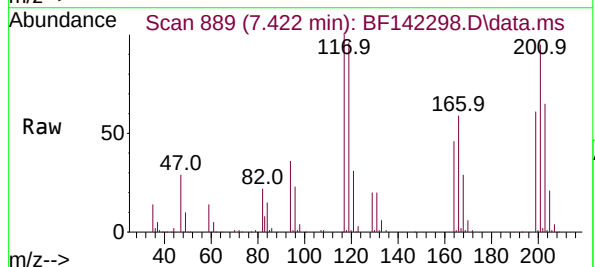
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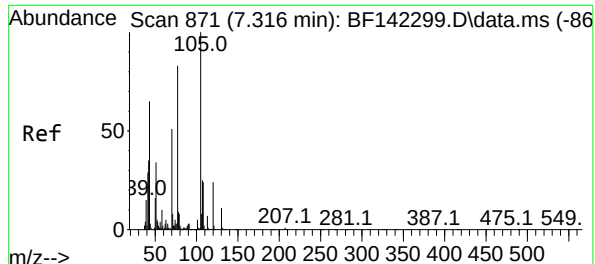
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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# 81

Delta R.T. -0.006 min

Lab File: BF142298.D

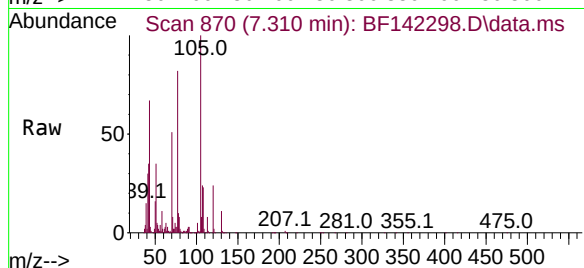
Acq: 05 May 2025 15:21

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

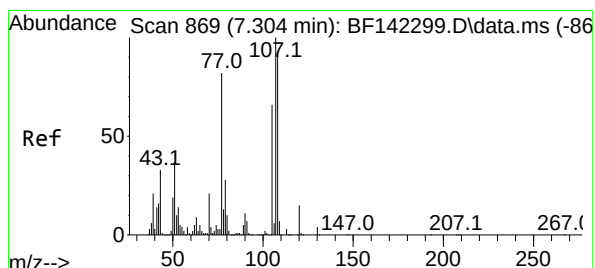
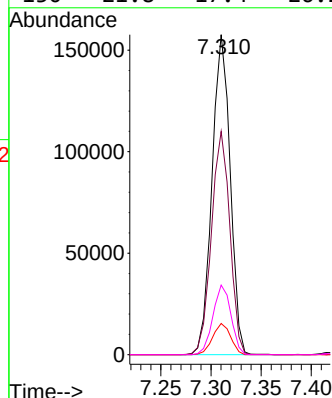
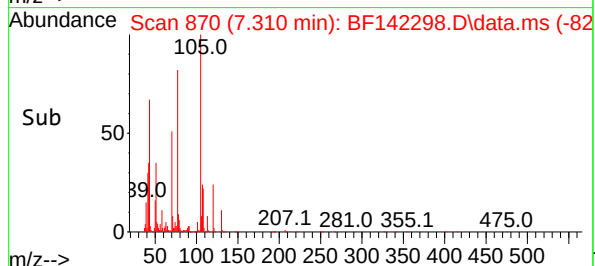
130 21.8 17.4 26.2

Manual Integrations

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Reviewed By :Rahul Chavli 05/06/2025

Supervised By :Jagrut Upadhyay 05/06/2025



#20

3+4-Methylphenols

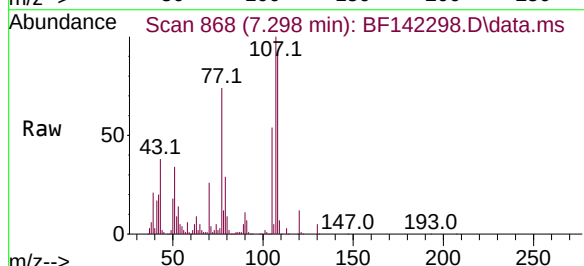
Concen: 20.896 ng

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

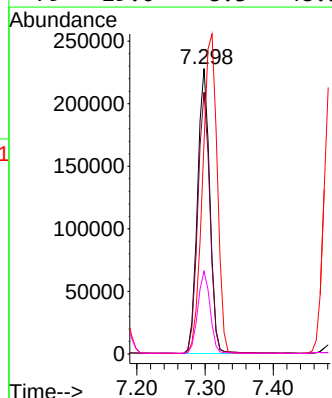
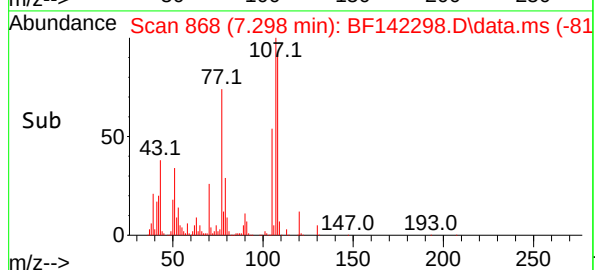
Ion Ratio Lower Upper

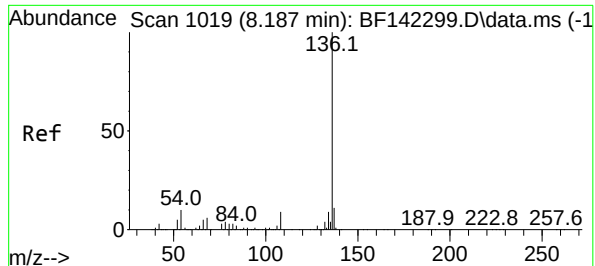
107 100

108 91.7 71.5 111.5

77 74.1 61.6 101.6

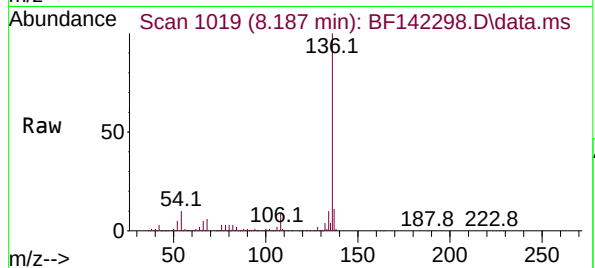
79 29.0 8.3 48.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

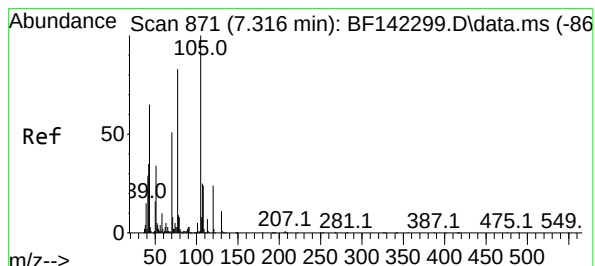
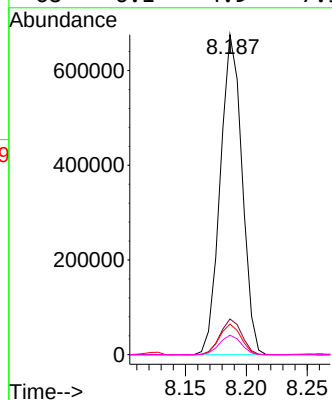
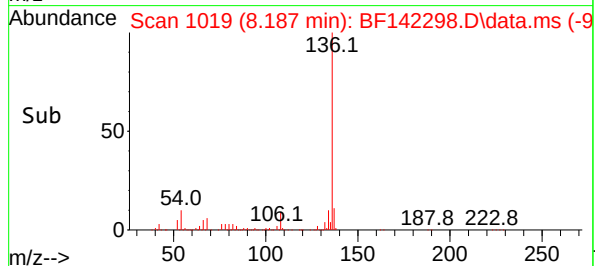
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



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

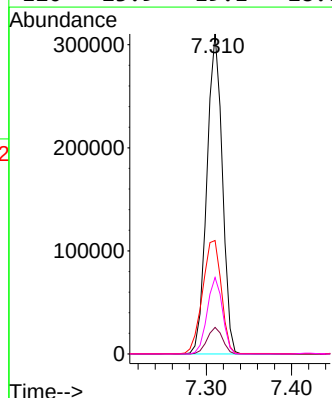
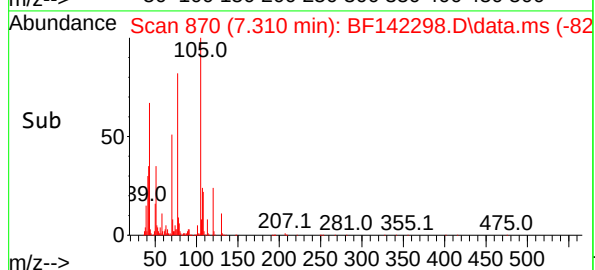
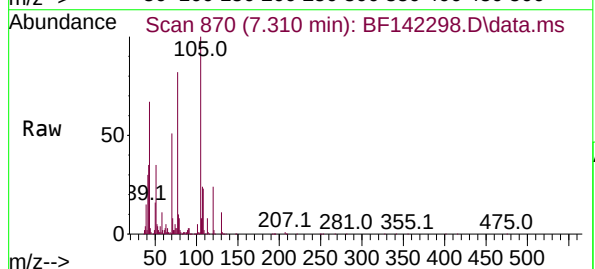
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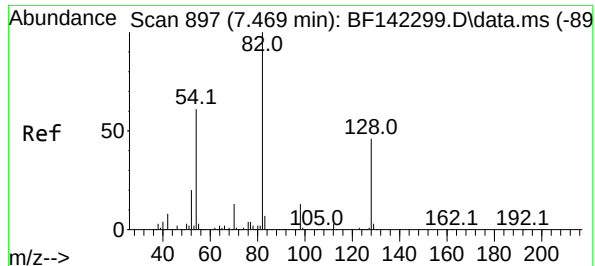
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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# 896

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: 56530

Ion Ratio Lower Upper

82 100

128 44.8 37.0 55.6

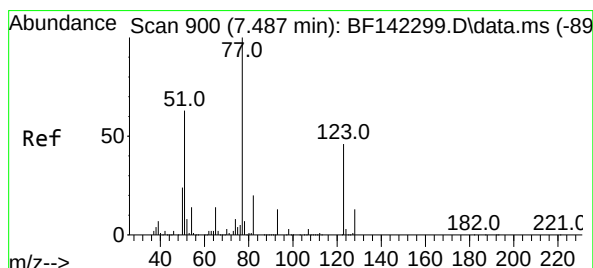
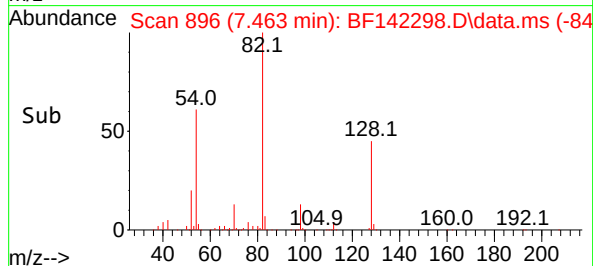
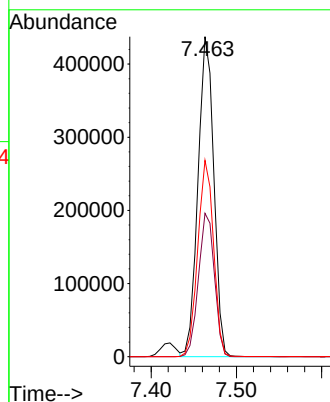
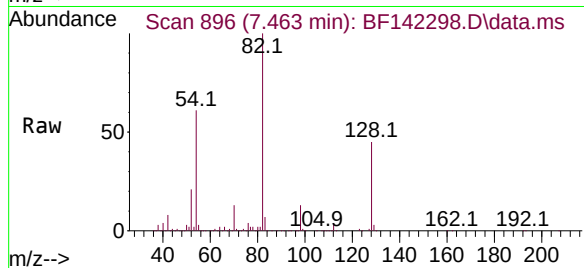
54 61.4 48.6 73.0

Manual Integrations

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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

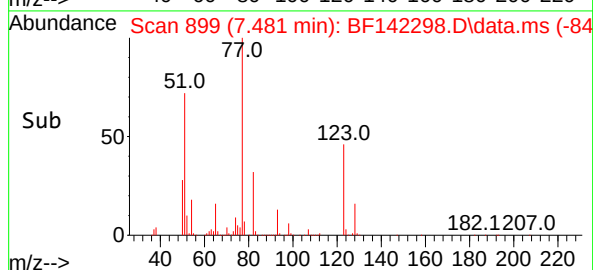
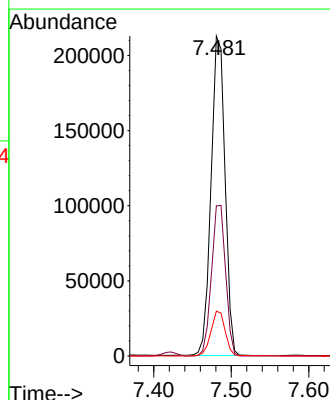
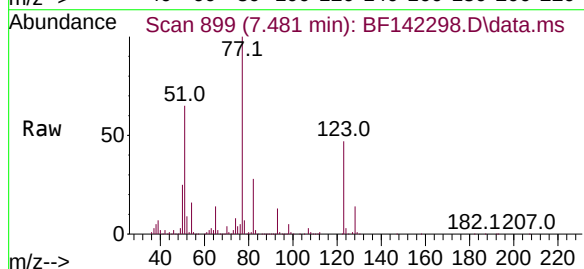
Tgt Ion: 77 Resp: 266464

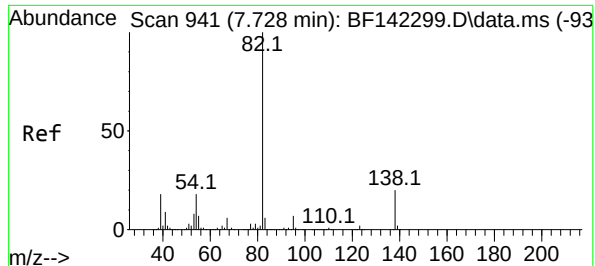
Ion Ratio Lower Upper

77 100

123 46.9 37.8 56.8

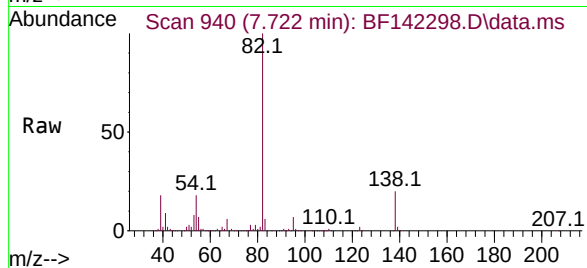
65 14.0 11.4 17.0





#25
Isophorone
Concen: 20.291 ng
RT: 7.722 min Scan# 941
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

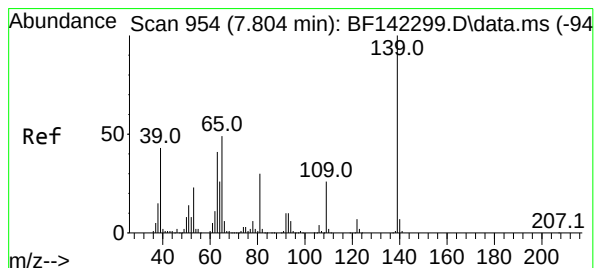
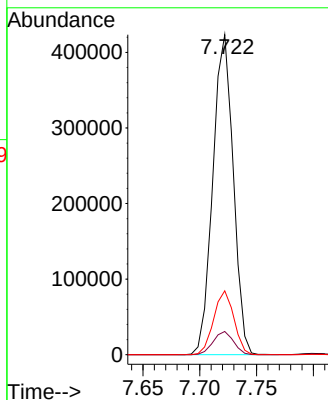
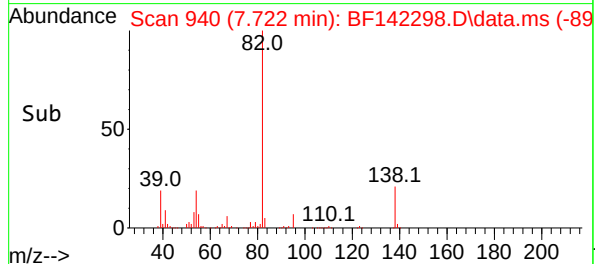
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



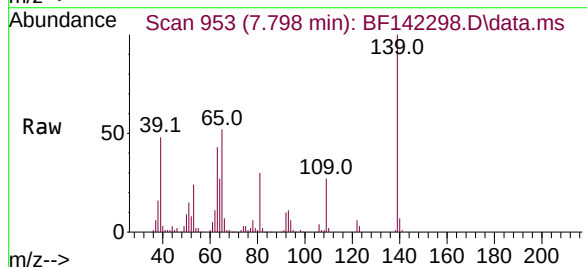
Tgt Ion: 82 Resp: 530519
Ion Ratio Lower Upper
82 100
95 7.3 5.8 8.8
138 20.0 16.1 24.1

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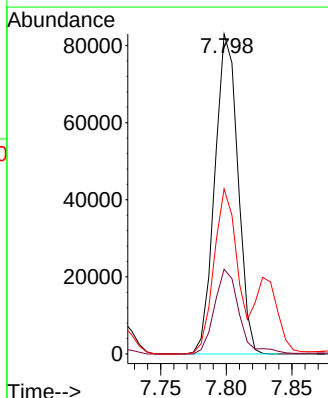
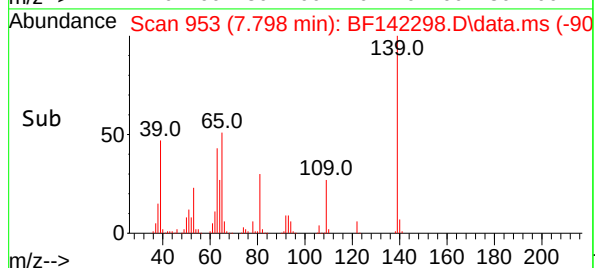
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

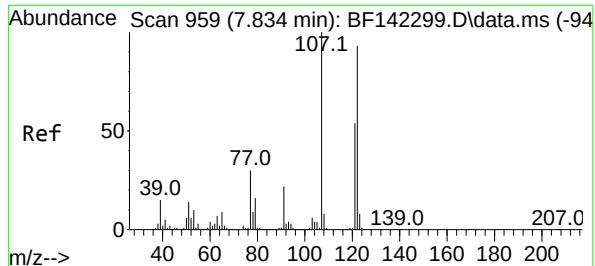


#26
2-Nitrophenol
Concen: 18.889 ng
RT: 7.798 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21



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





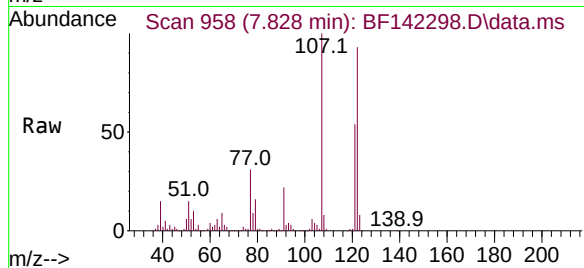
#27
2,4-Dimethylphenol
Concen: 20.543 ng
RT: 7.828 min Scan# 958
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

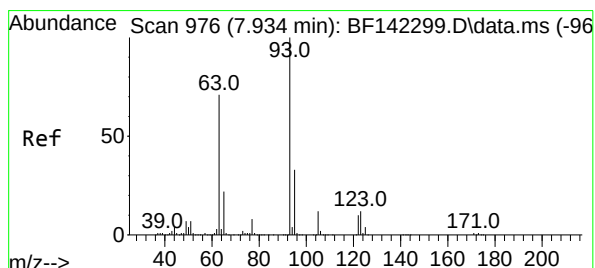
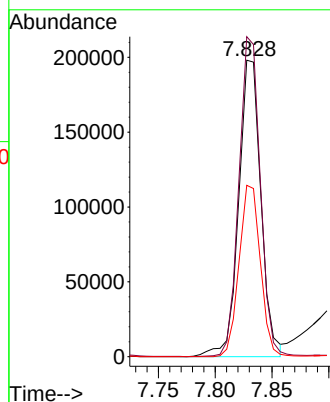
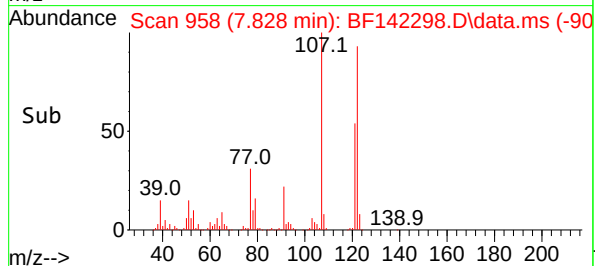


Tgt Ion:122 Resp: 270038
Ion Ratio Lower Upper
122 100
107 107.9 86.0 129.0
121 57.8 46.2 69.4

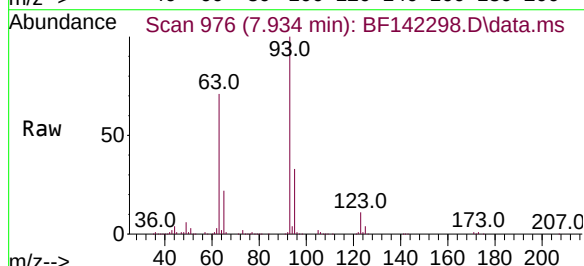
Manual Integrations

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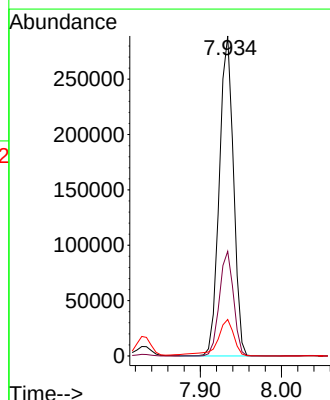
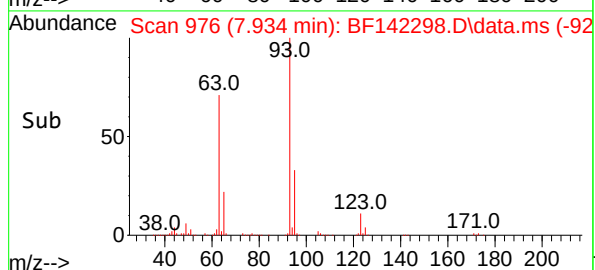
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

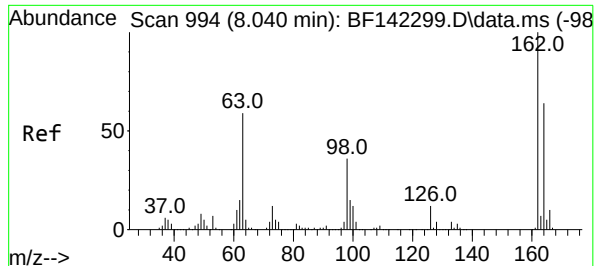


#28
bis(2-Chloroethoxy)methane
Concen: 20.919 ng
RT: 7.934 min Scan# 976
Delta R.T. 0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21



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# 994

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

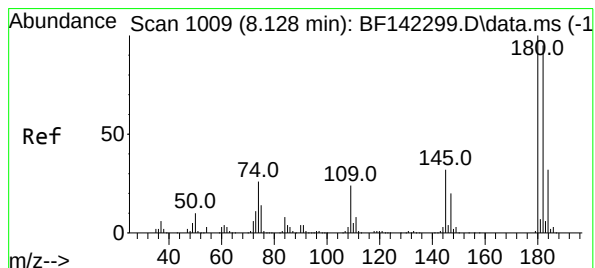
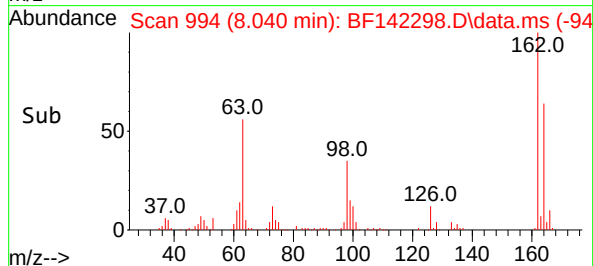
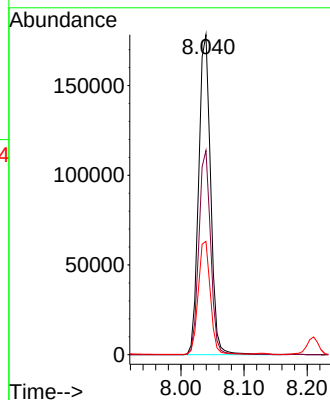
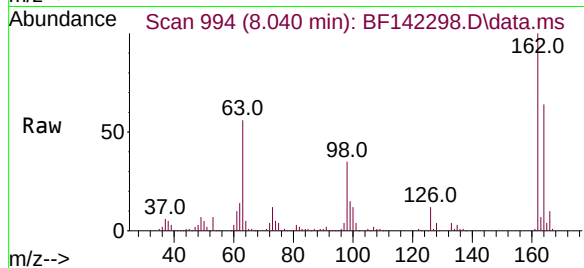
98 35.4 16.5 56.5

Manual Integrations

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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

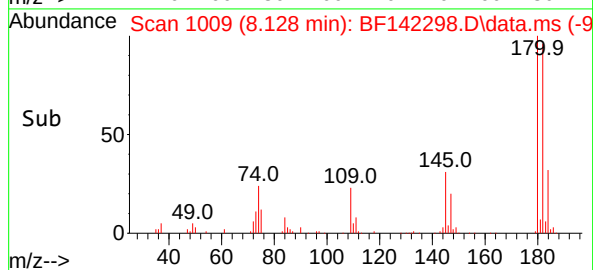
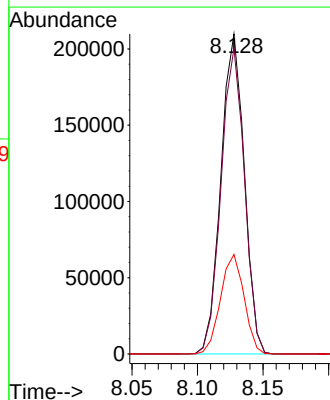
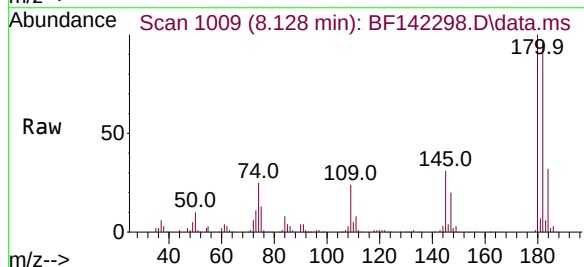
Tgt Ion:180 Resp: 260029

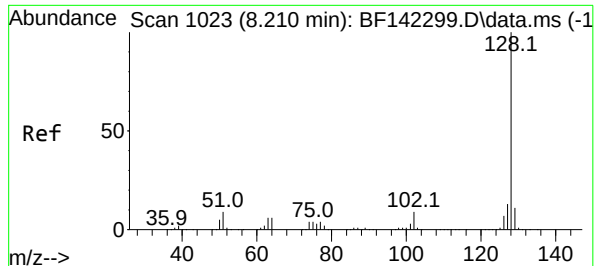
Ion Ratio Lower Upper

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# 1023

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: 86555

Ion Ratio Lower Upper

128 100

129 10.8 9.1 13.7

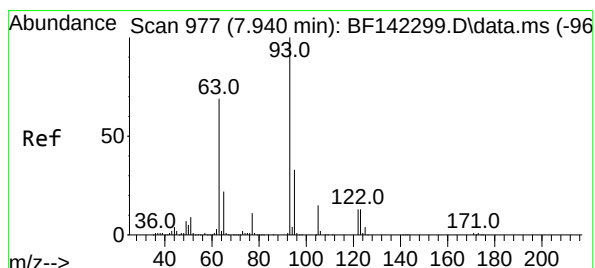
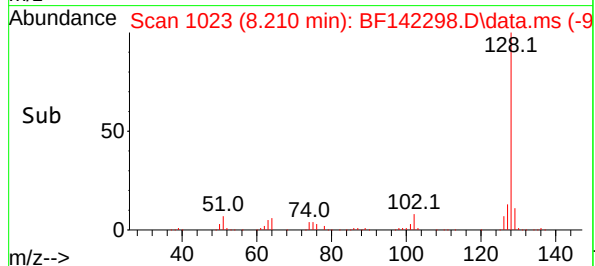
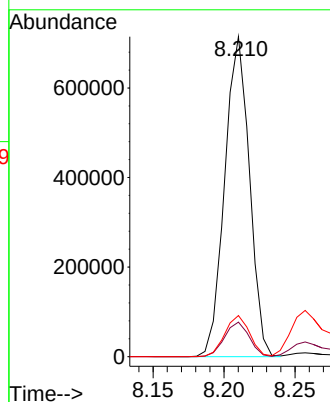
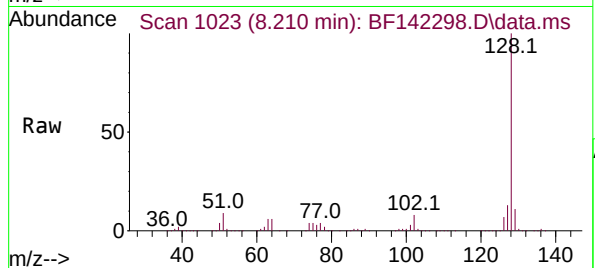
127 12.9 10.5 15.7

Manual Integrations

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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

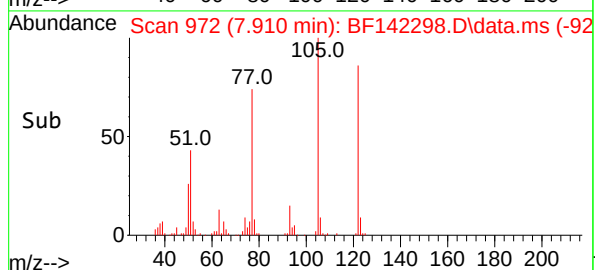
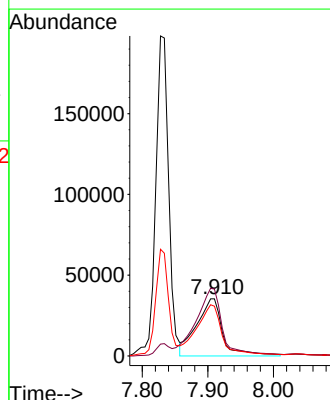
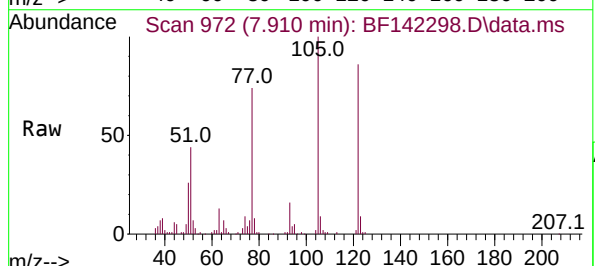
Tgt Ion:122 Resp: 98814

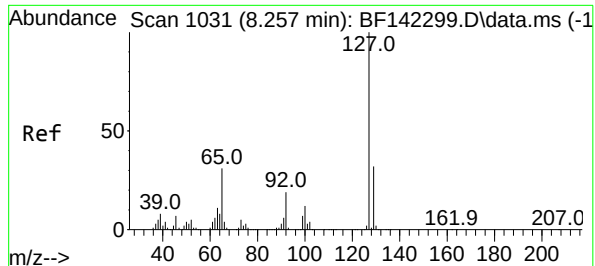
Ion Ratio Lower Upper

122 100

105 116.9 97.9 137.9

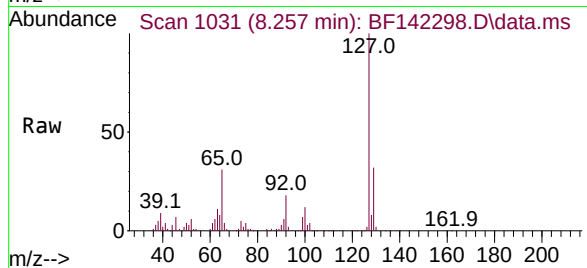
77 87.0 67.7 107.7





#33
4-Chloroaniline
Concen: 20.165 ng m
RT: 8.257 min Scan# 1031
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

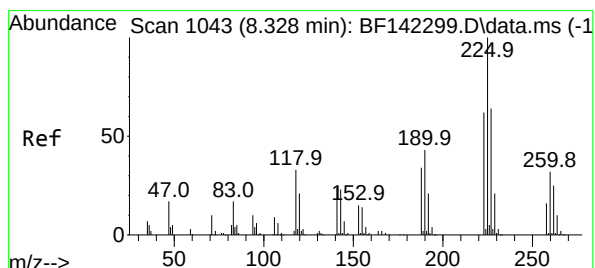
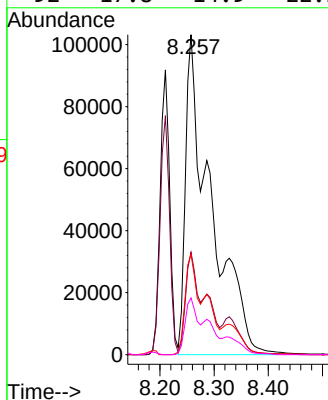
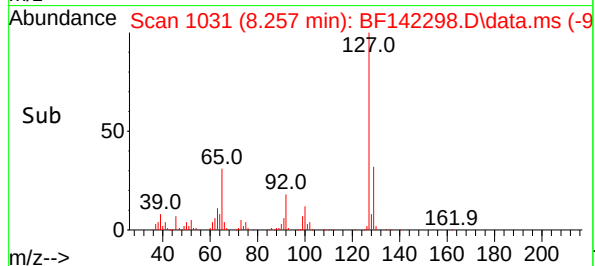
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:127 Resp: 335192
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

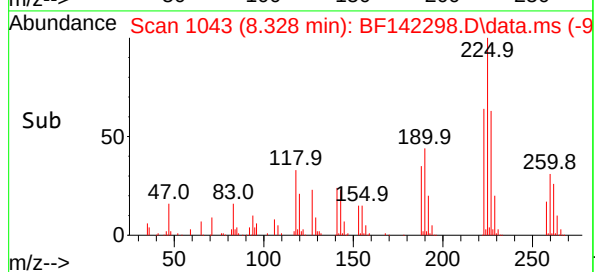
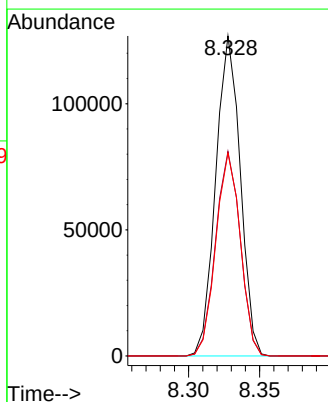
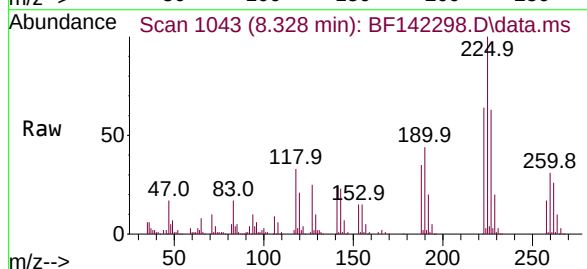
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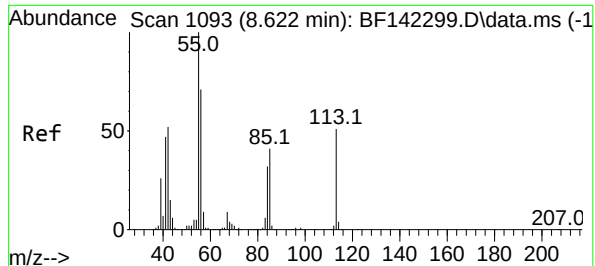
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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# 1109

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

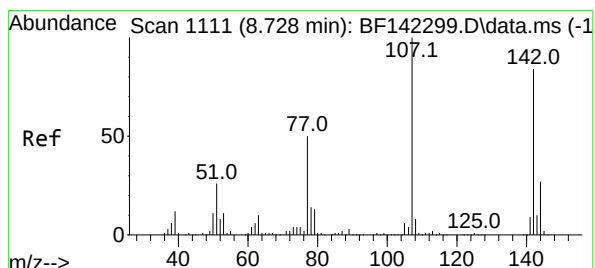
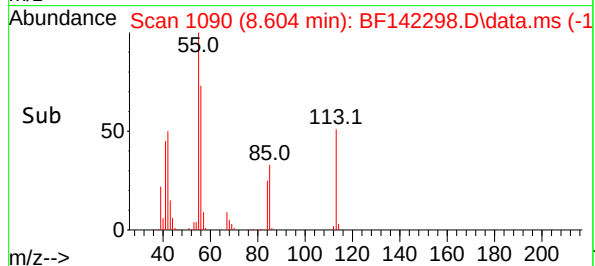
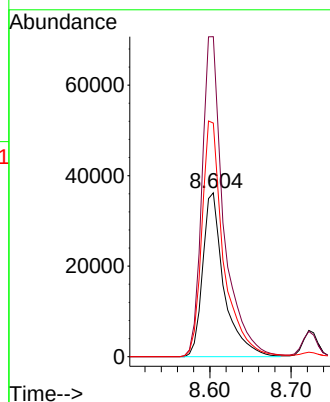
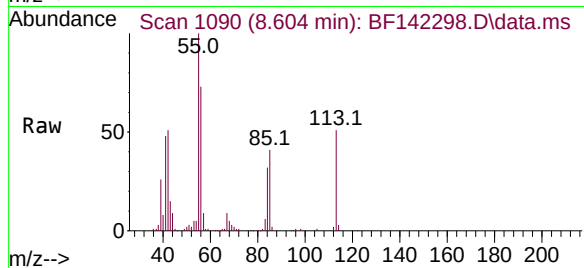
56 142.6 120.3 160.3

Manual Integrations

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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

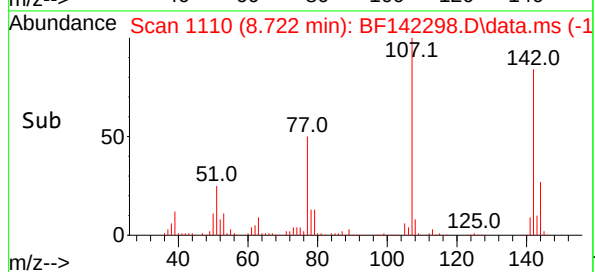
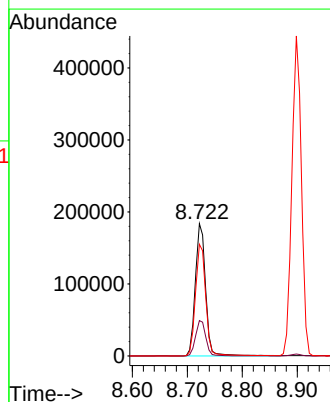
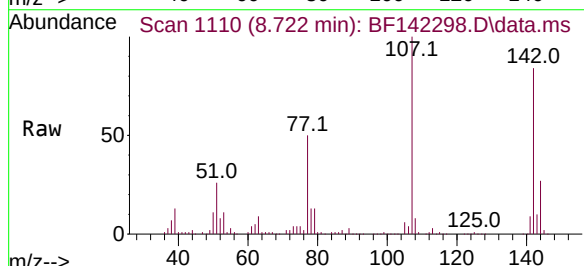
Tgt Ion:107 Resp: 238603

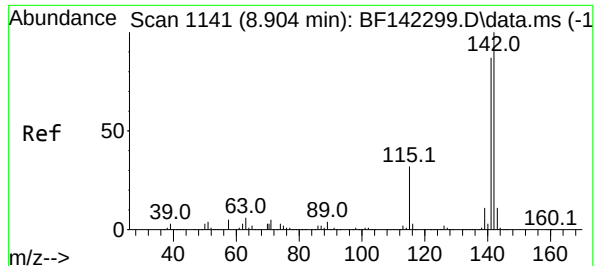
Ion Ratio Lower Upper

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# 1140

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

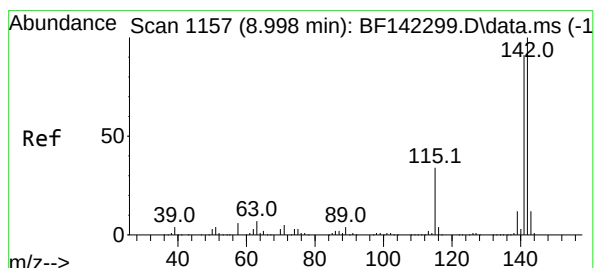
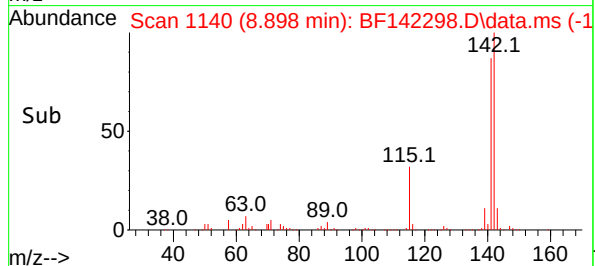
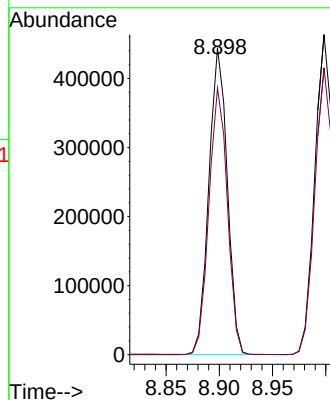
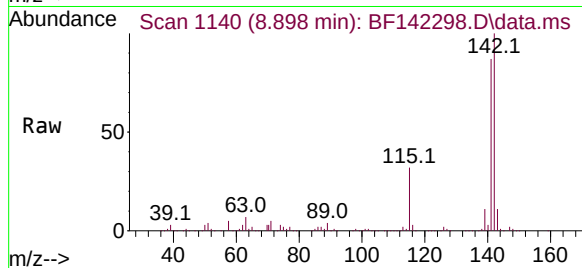
141 86.9 69.4 104.2

Manual Integrations

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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

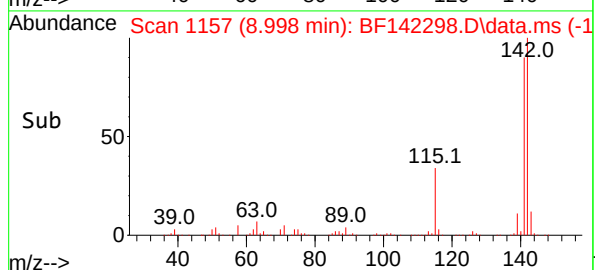
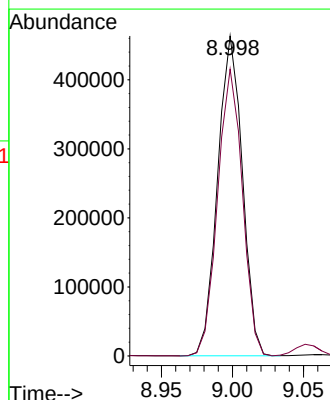
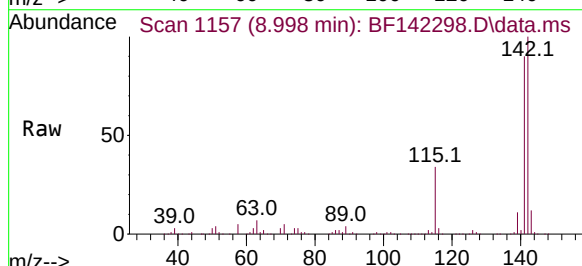
Acq: 05 May 2025 15:21

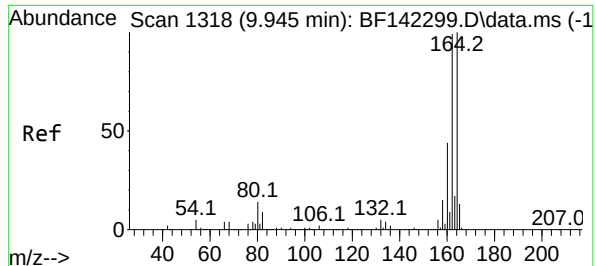
Tgt Ion:142 Resp: 559888

Ion Ratio Lower Upper

142 100

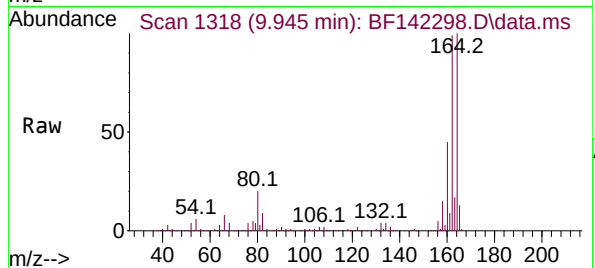
141 89.7 72.5 108.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1168
Delta R.T. 0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

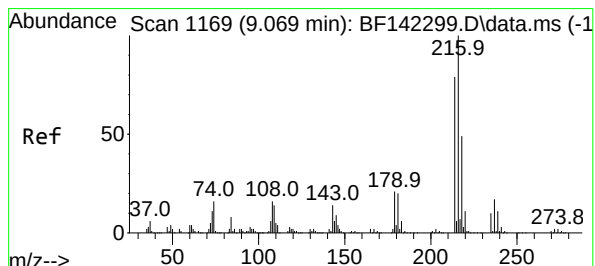
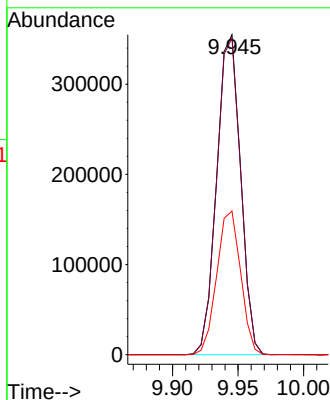
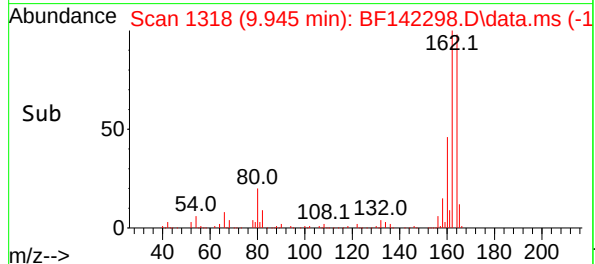
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:164 Resp: 44942
Ion Ratio Lower Upper
164 100
162 98.9 79.2 118.8
160 44.9 35.3 52.9

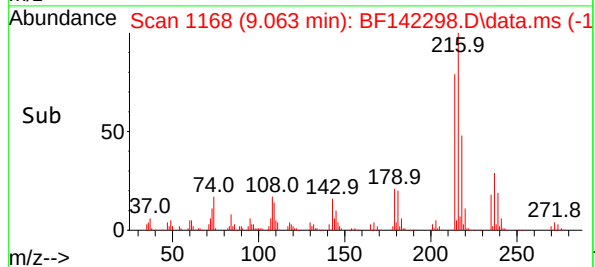
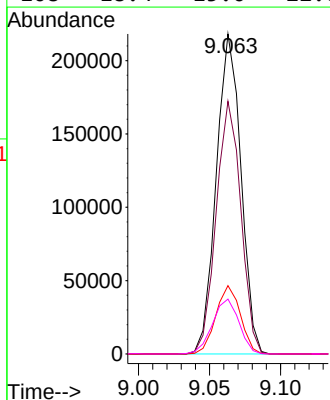
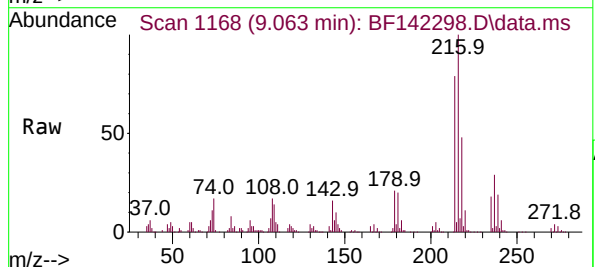
Manual Integrations
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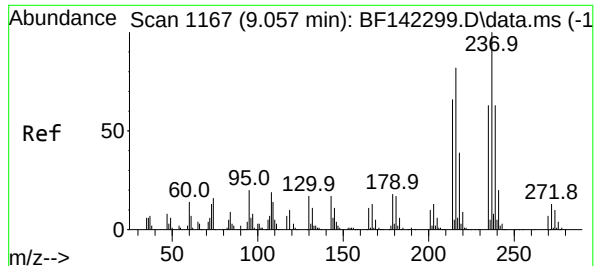
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

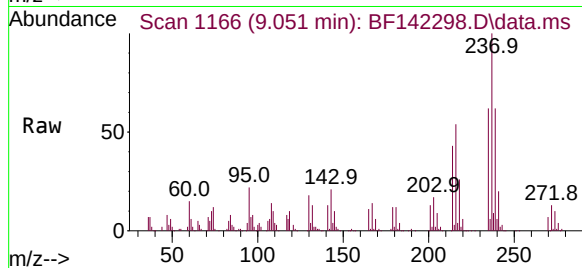
Tgt Ion:216 Resp: 263169
Ion Ratio Lower Upper
216 100
214 78.9 63.8 95.6
179 21.3 17.0 25.6
108 18.4 15.0 22.6





#41
Hexachlorocyclopentadiene
Concen: 20.200 ng
RT: 9.051 min Scan# 1166
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

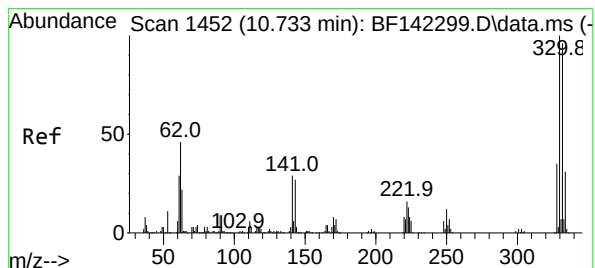
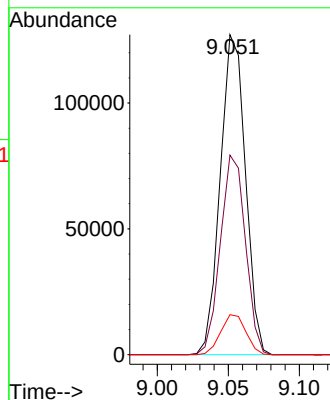
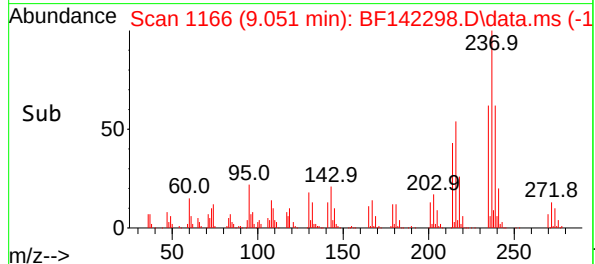
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



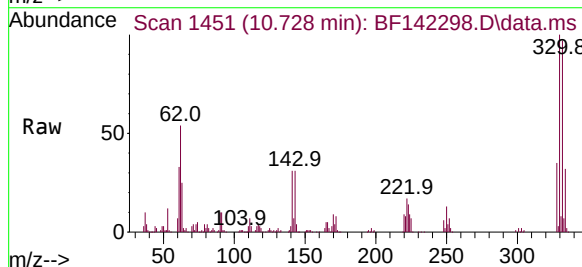
Tgt Ion: 237 Resp: 156699
Ion Ratio Lower Upper
237 100
235 62.4 42.8 82.8
272 12.5 0.0 33.0

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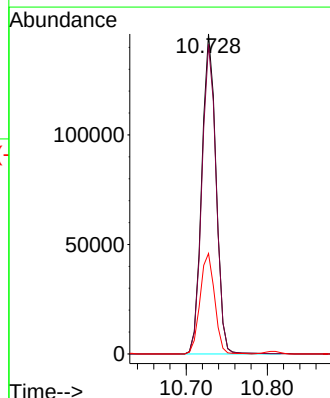
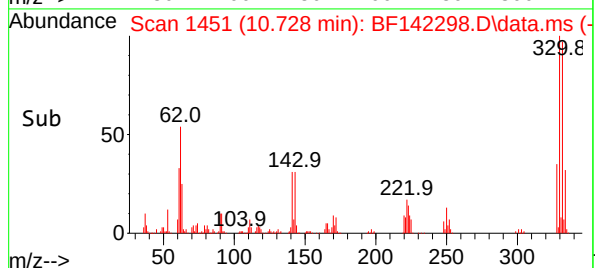
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

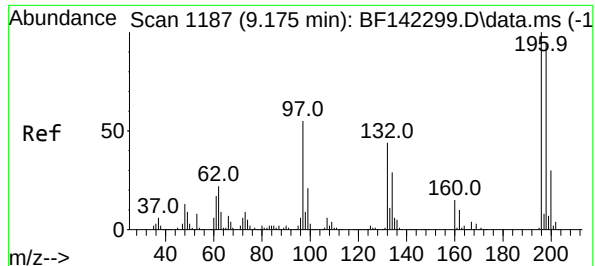


#42
2,4,6-Tribromophenol
Concen: 41.039 ng
RT: 10.728 min Scan# 1451
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21



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# 1186

Delta R.T. -0.006 min

Lab File: BF142298.D

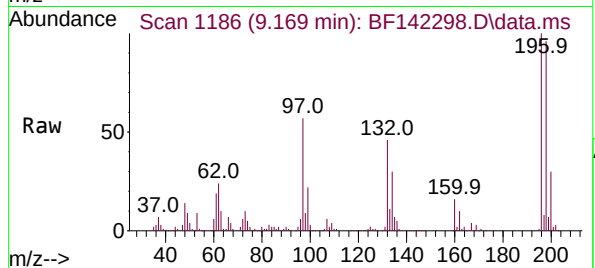
Acq: 05 May 2025 15:21

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



Tgt Ion:196 Resp: 16172

Ion Ratio Lower Upper

196 100

198 95.7 75.4 113.0

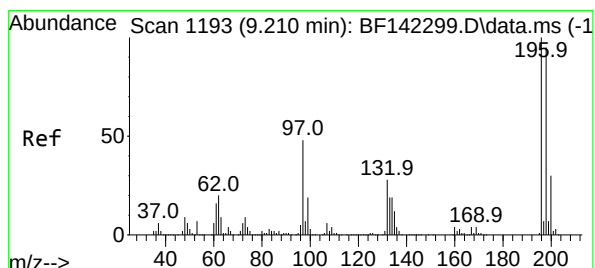
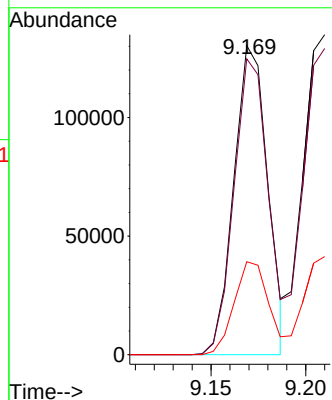
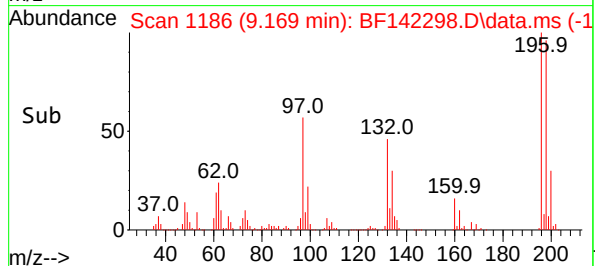
200 30.1 24.3 36.5

Manual Integrations

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Reviewed By :Rahul Chavli 05/06/2025

Supervised By :Jagrut Upadhyay 05/06/2025



#44

2,4,5-Trichlorophenol

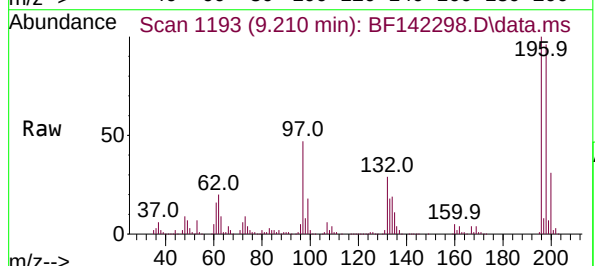
Concen: 20.829 ng

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

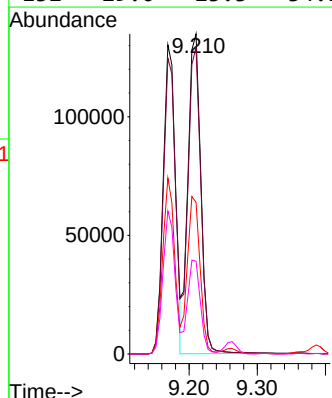
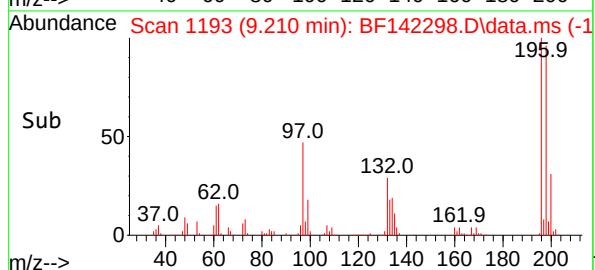
Ion Ratio Lower Upper

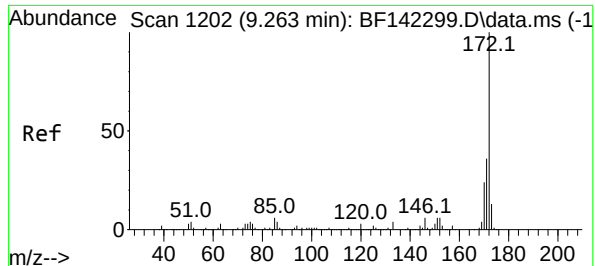
196 100

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# 1202

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: 137711

Ion Ratio Lower Upper

172 100

171 35.0 28.6 42.8

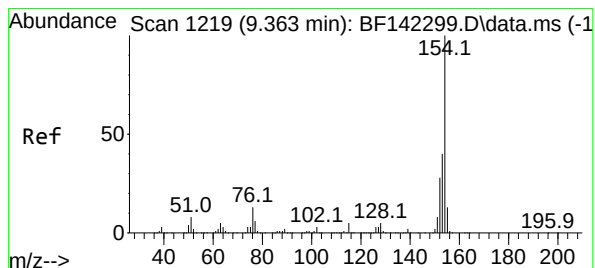
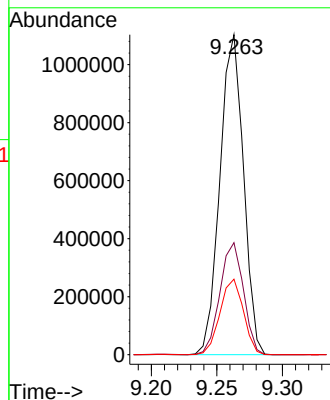
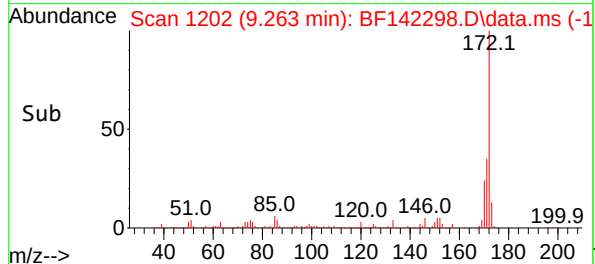
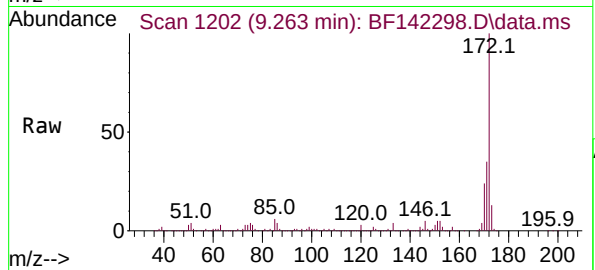
170 23.6 19.0 28.4

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

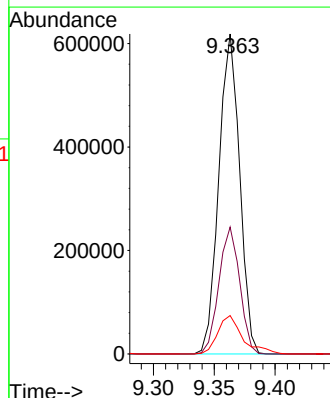
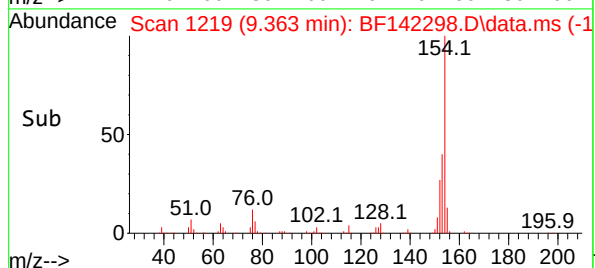
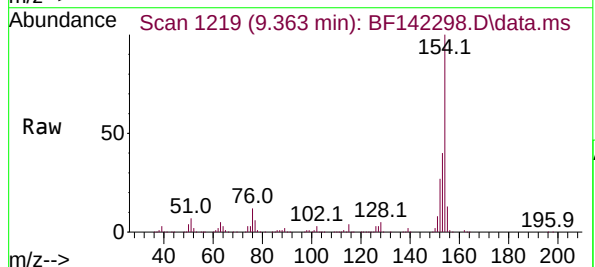
Tgt Ion:154 Resp: 735501

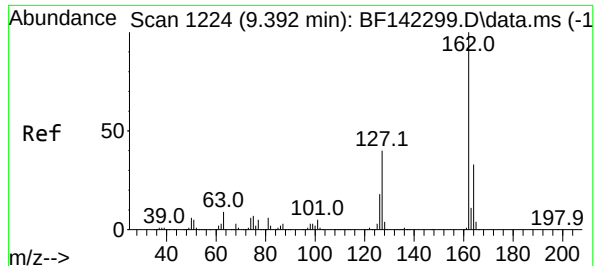
Ion Ratio Lower Upper

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# 1223

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: 53620

Ion Ratio Lower Upper

162 100

127 40.5 32.3 48.5

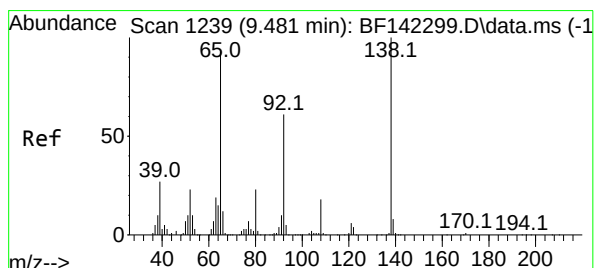
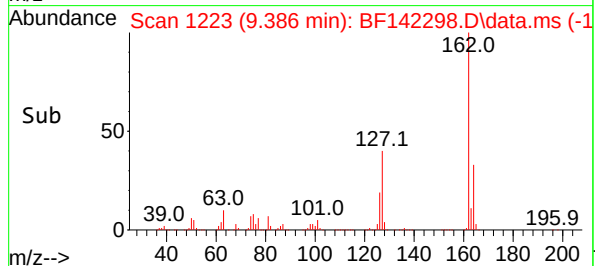
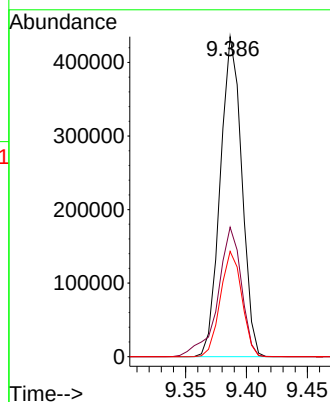
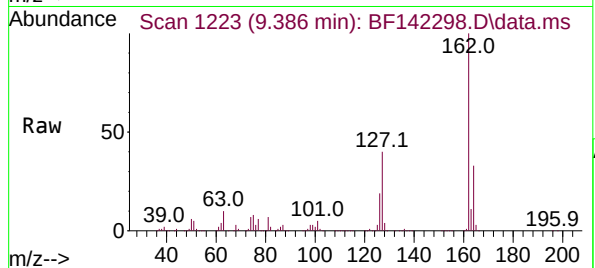
164 32.9 26.6 40.0

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

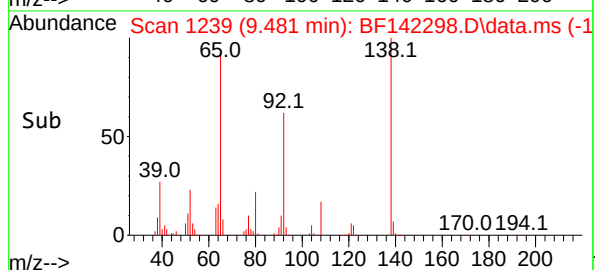
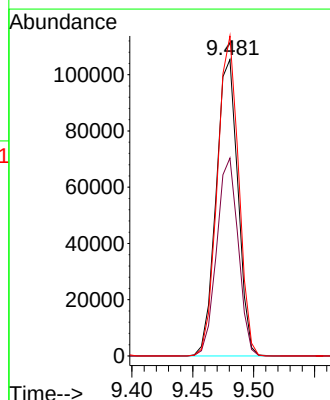
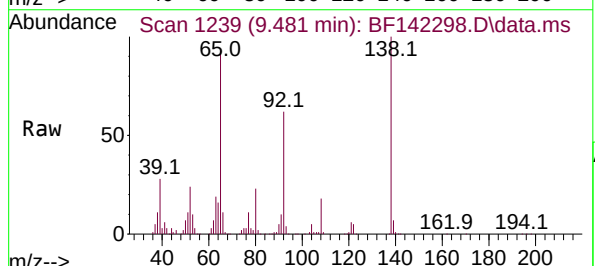
Tgt Ion: 65 Resp: 131275

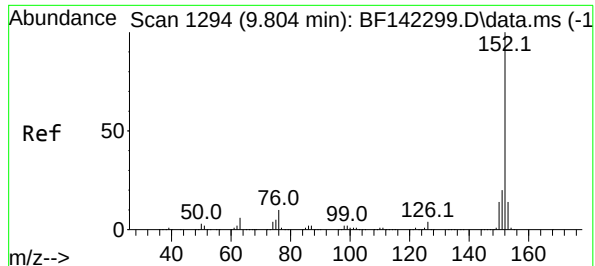
Ion Ratio Lower Upper

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# 1294

Delta R.T. 0.000 min

Lab File: BF142298.D

Acq: 05 May 2025 15:21

Instrument :

BNA_F

ClientSampleId :

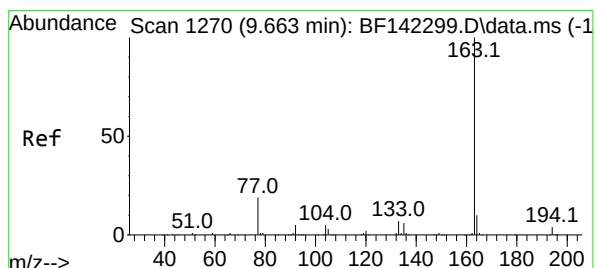
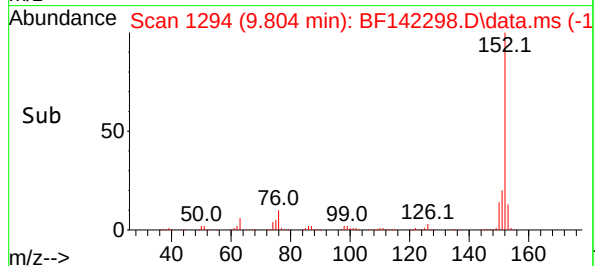
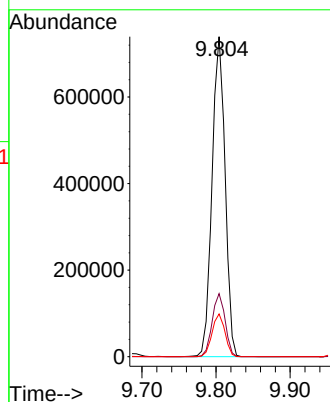
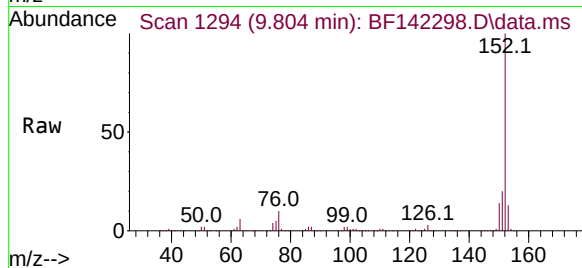
SSTDICC020

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.7	16.0	24.0
153	13.3	10.8	16.2

Manual Integrations

APPROVED

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



#50

Dimethylphthalate

Concen: 20.930 ng

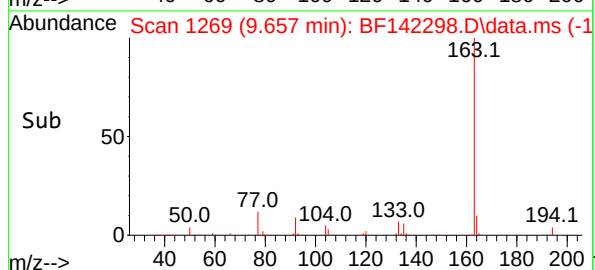
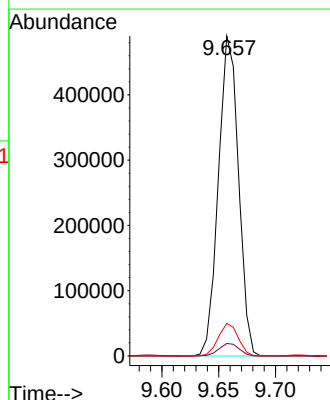
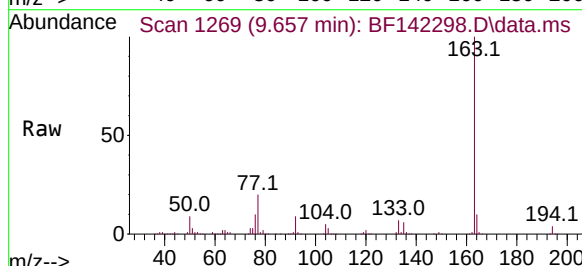
RT: 9.657 min Scan# 1269

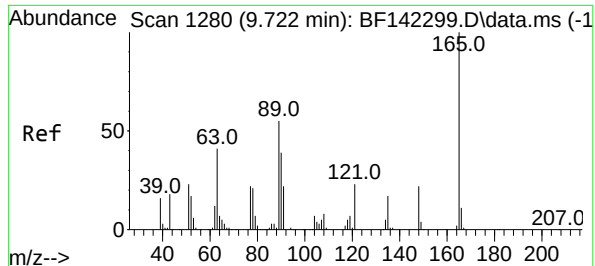
Delta R.T. -0.006 min

Lab File: BF142298.D

Acq: 05 May 2025 15:21

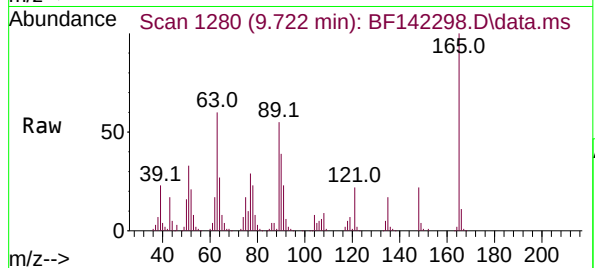
Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.2	4.8
164	10.2	8.3	12.5





#51
2,6-Dinitrotoluene
Concen: 20.163 ng
RT: 9.722 min Scan# 1280
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

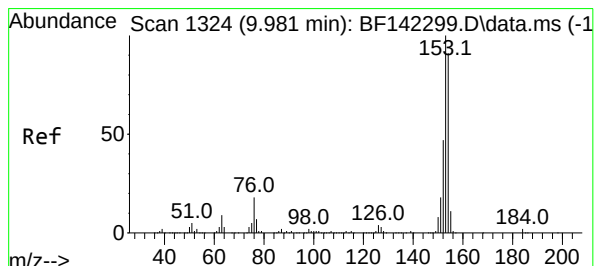
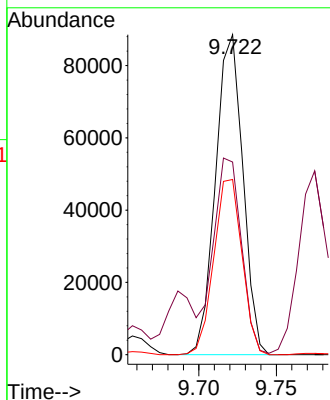
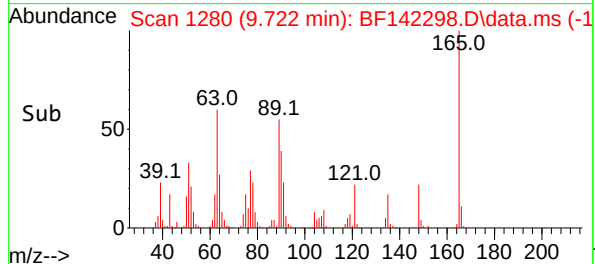
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



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

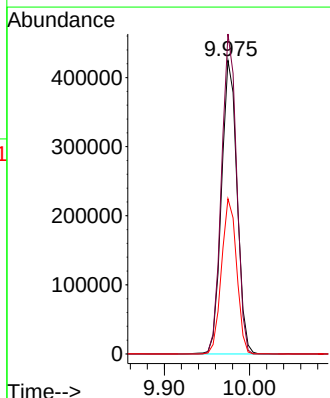
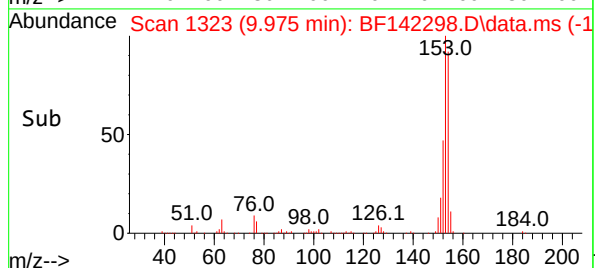
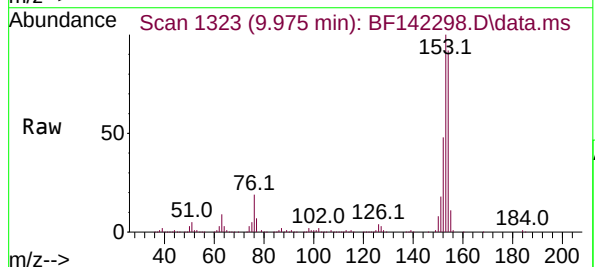
Manual Integrations
APPROVED

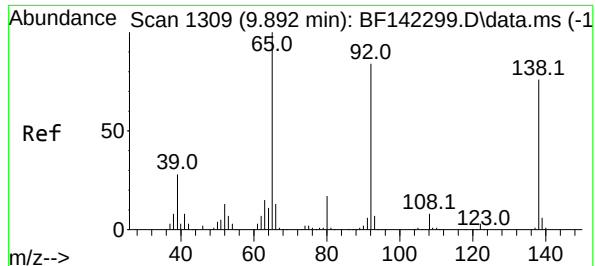
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

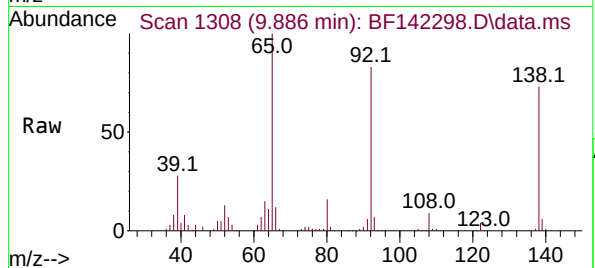
Tgt Ion:154 Resp: 539391
Ion Ratio Lower Upper
154 100
153 109.0 88.0 132.0
152 52.8 41.6 62.4





#53
3-Nitroaniline
Concen: 20.431 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

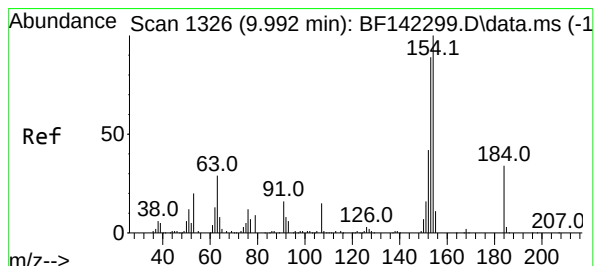
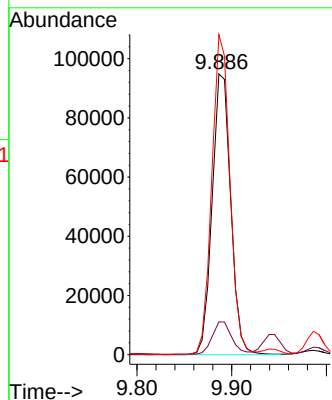
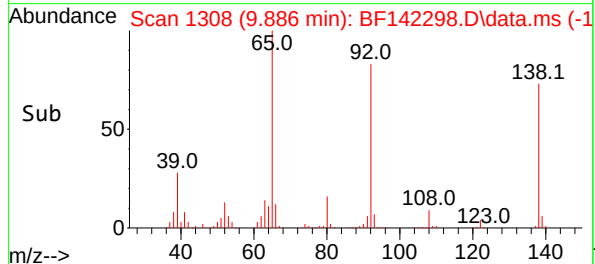
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



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

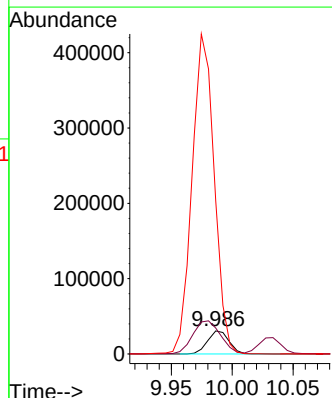
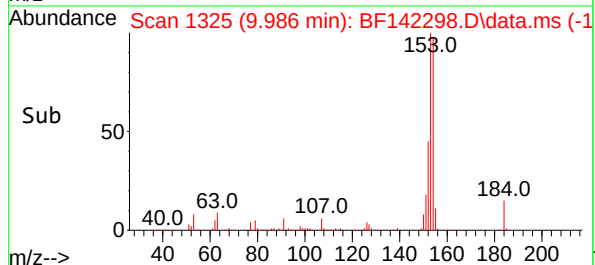
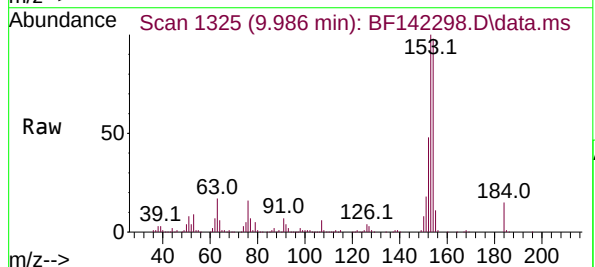
Manual Integrations
APPROVED

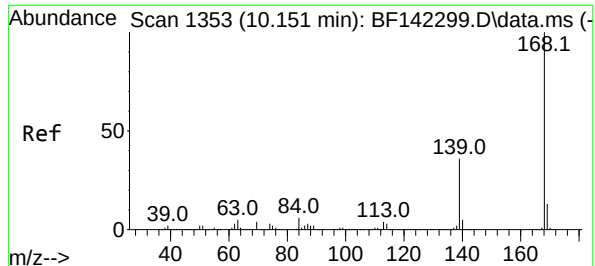
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

Dibenzenofuran

Concen: 21.274 ng

RT: 10.145 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:168 Resp: 80932

Ion Ratio Lower Upper

168 100

139 36.1 29.0 43.4

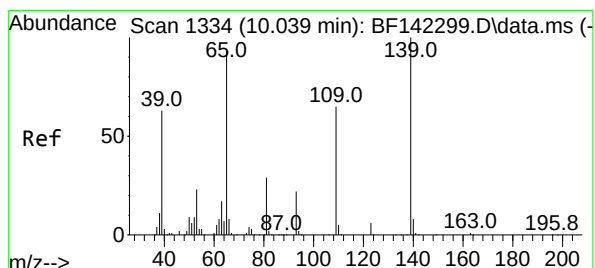
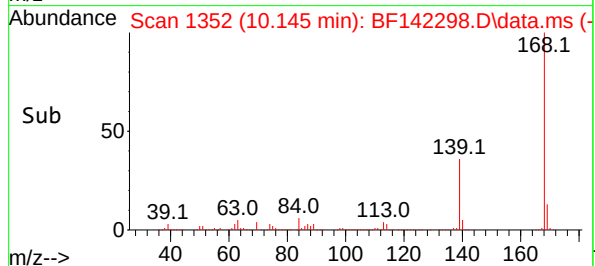
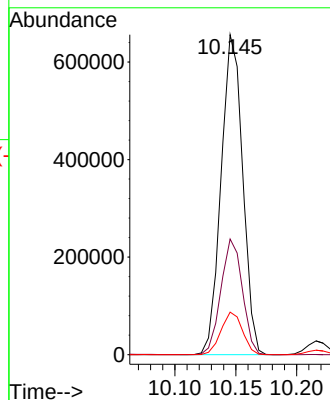
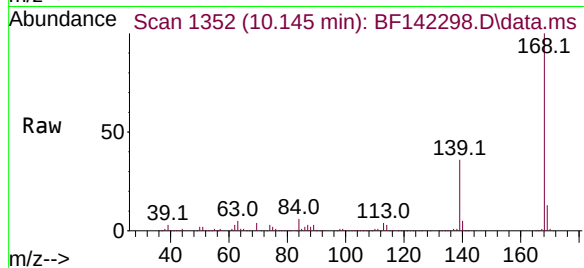
169 13.3 10.7 16.1

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

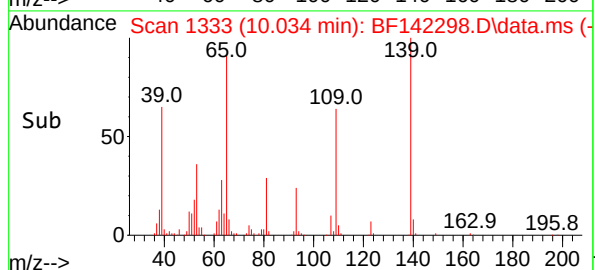
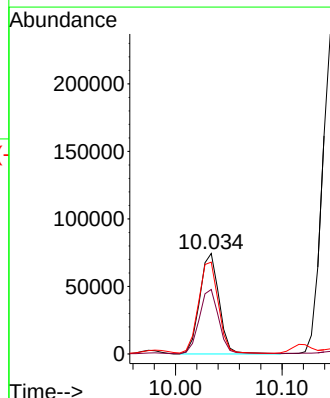
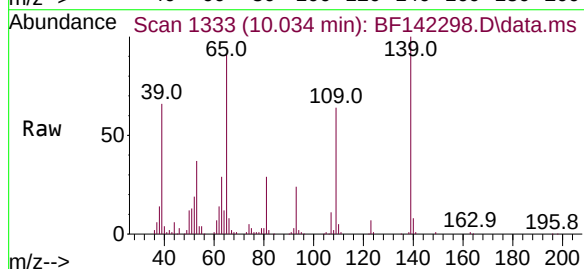
Tgt Ion:139 Resp: 94419

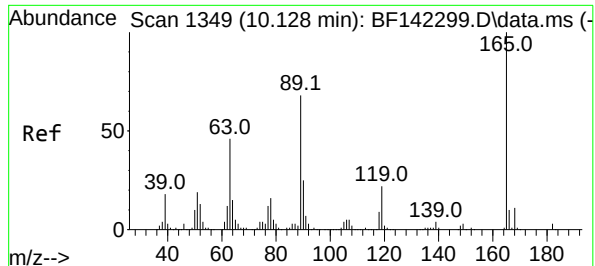
Ion Ratio Lower Upper

139 100

109 64.1 45.3 85.3

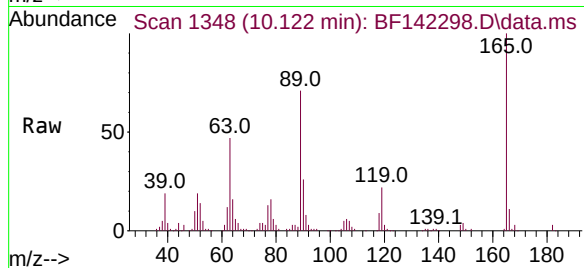
65 91.3 73.9 113.9





#57
2,4-Dinitrotoluene
Concen: 19.647 ng
RT: 10.122 min Scan# 1348
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

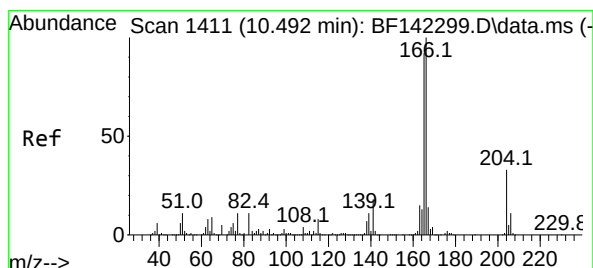
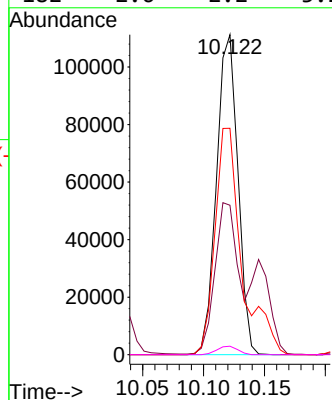
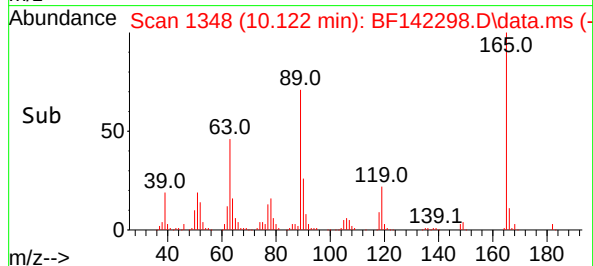
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



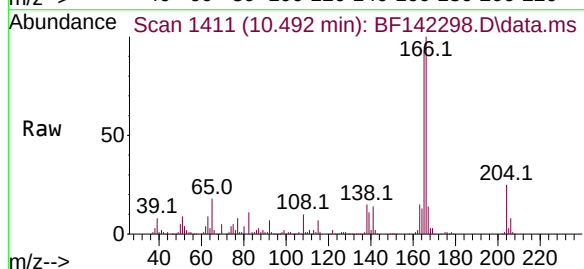
Tgt Ion:165 Resp: 136138
Ion Ratio Lower Upper
165 100
63 46.7 37.1 55.7
89 70.8 54.4 81.6
182 2.6 2.2 3.2

Manual Integrations
APPROVED

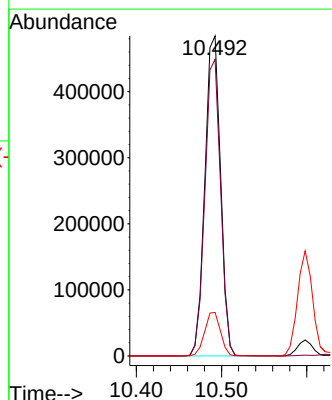
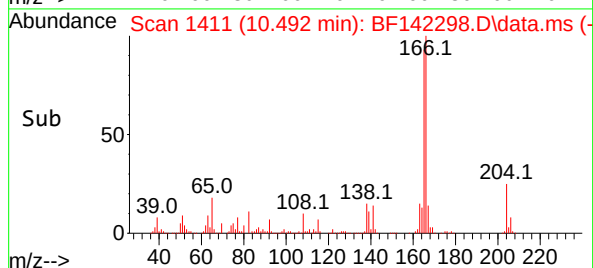
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

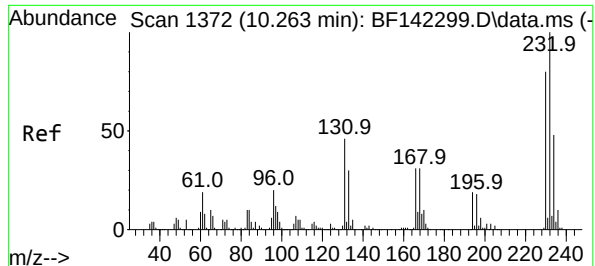


#58
Fluorene
Concen: 21.273 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21



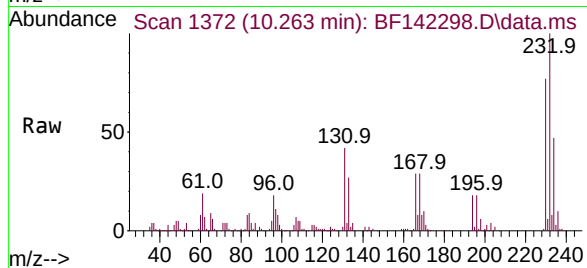
Tgt Ion:166 Resp: 617592
Ion Ratio Lower Upper
166 100
165 92.7 74.0 111.0
167 13.6 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 20.664 ng
RT: 10.263 min Scan# 1372
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

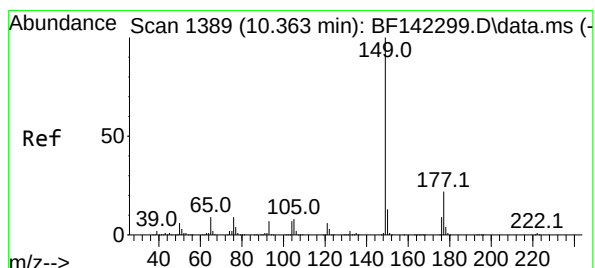
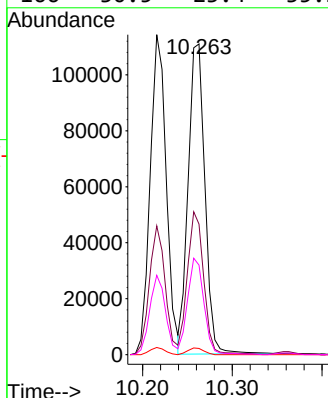
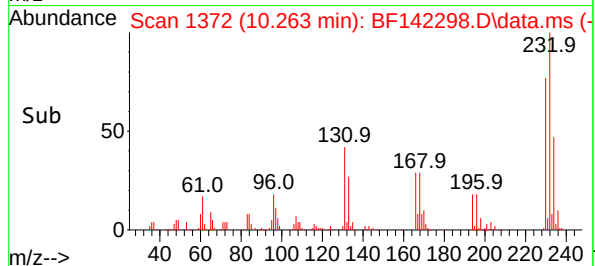
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



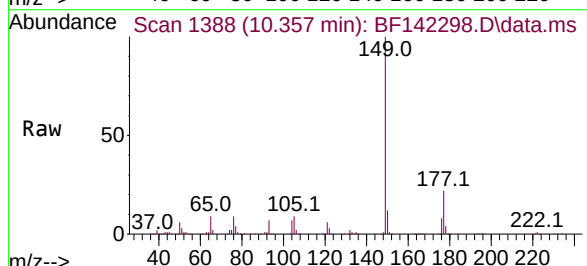
Tgt Ion:232 Resp: 143700
Ion Ratio Lower Upper
232 100
131 45.0 36.0 54.0
130 2.1 1.8 2.6
166 30.5 23.4 35.2

Manual Integrations
APPROVED

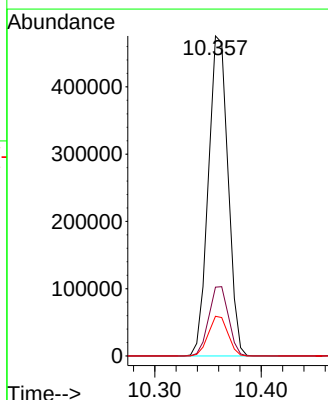
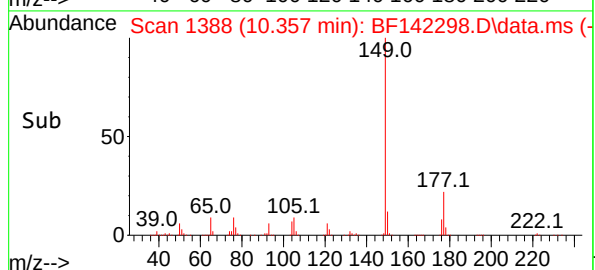
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

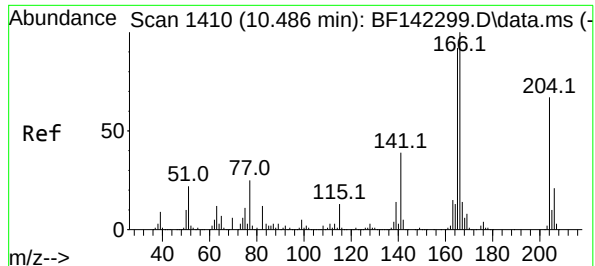


#60
Diethylphthalate
Concen: 21.134 ng
RT: 10.357 min Scan# 1388
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21



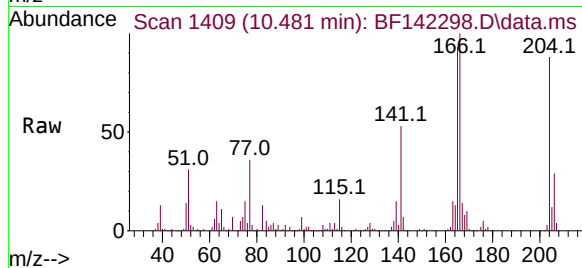
Tgt Ion:149 Resp: 609078
Ion Ratio Lower Upper
149 100
177 21.5 17.6 26.4
150 12.4 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 21.116 ng
RT: 10.481 min Scan# 1409
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

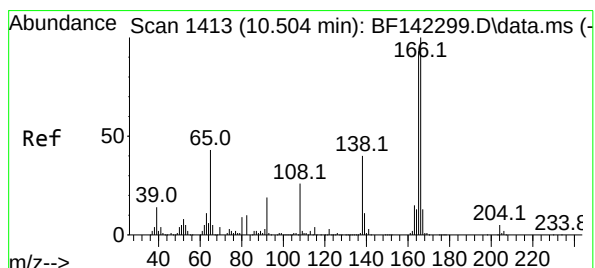
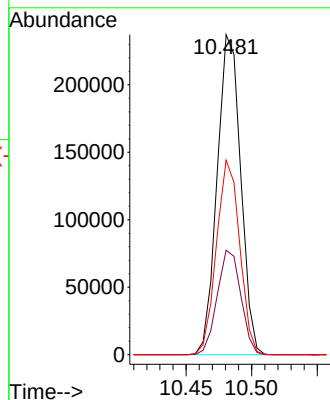
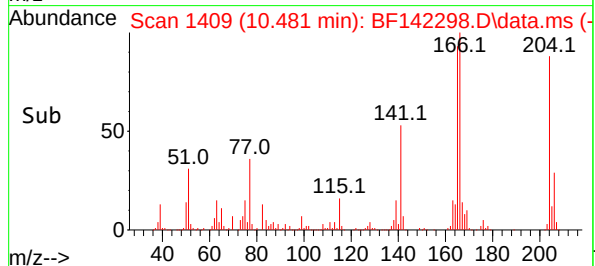
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



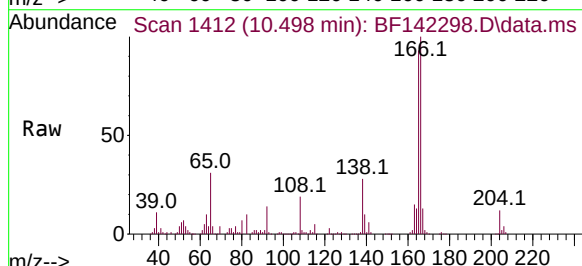
Tgt Ion:204 Resp: 29576
Ion Ratio Lower Upper
204 100
206 32.6 25.5 38.3
141 60.8 46.4 69.6

Manual Integrations
APPROVED

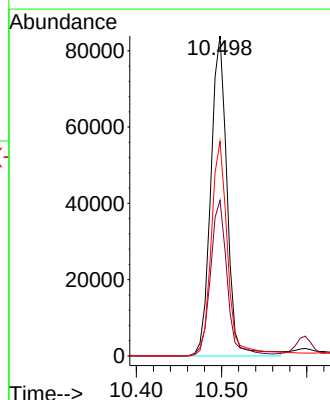
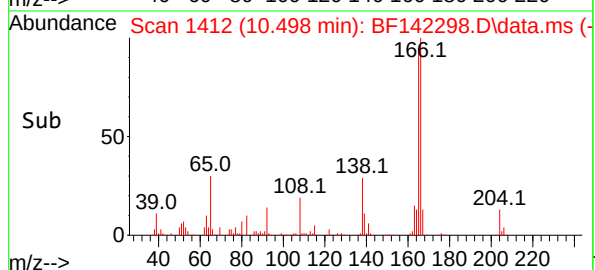
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

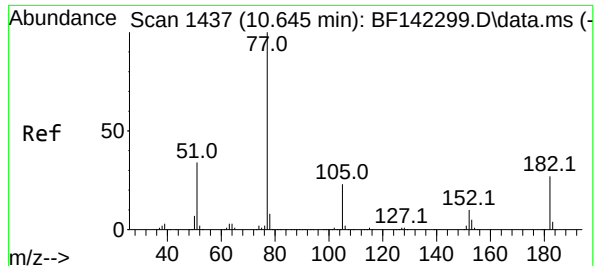


#62
4-Nitroaniline
Concen: 22.228 ng
RT: 10.498 min Scan# 1412
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21



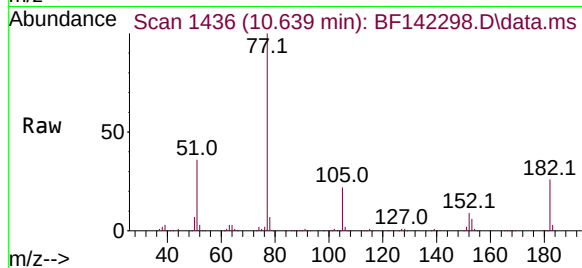
Tgt Ion:138 Resp: 111613
Ion Ratio Lower Upper
138 100
92 48.7 27.3 67.3
108 67.0 45.1 85.1





#63
Azobenzene
Concen: 20.964 ng
RT: 10.639 min Scan# 1436
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

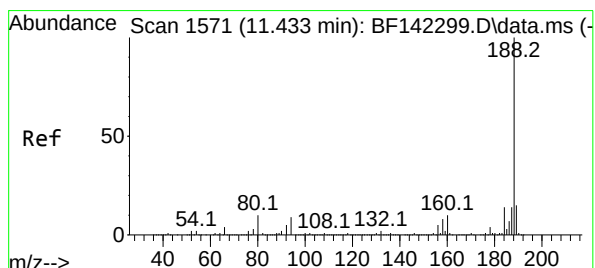
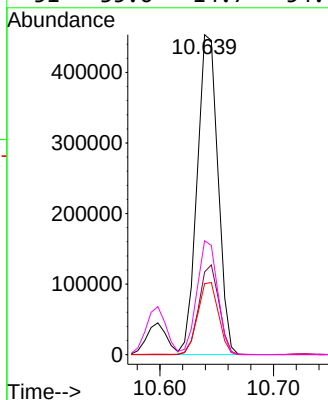
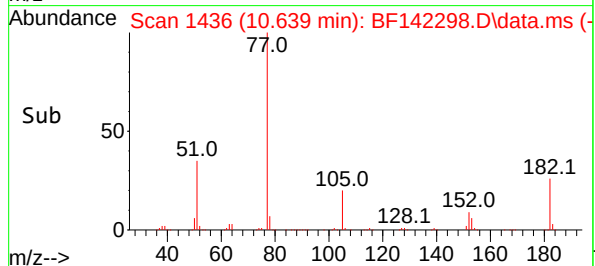
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion: 77 Resp: 577349
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

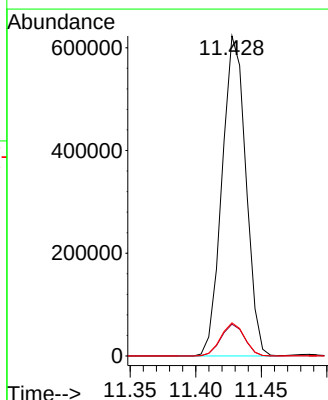
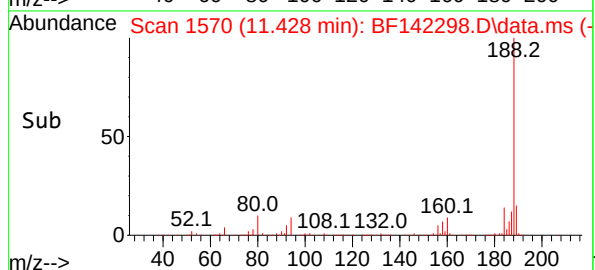
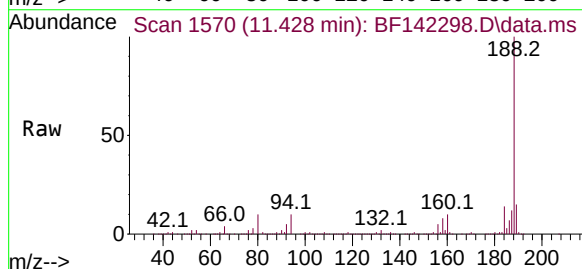
Manual Integrations
APPROVED

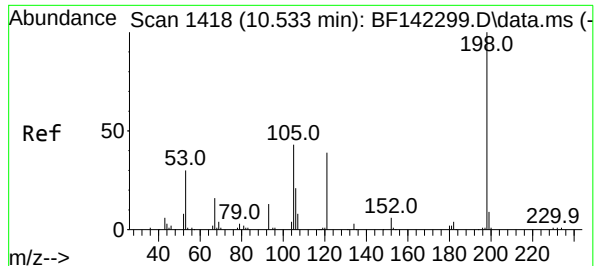
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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





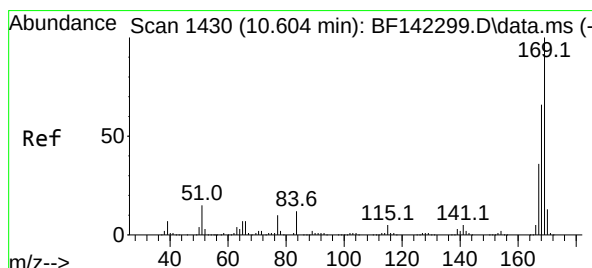
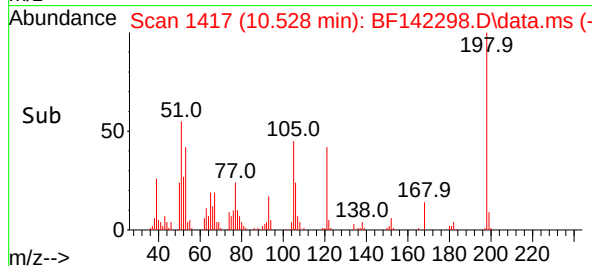
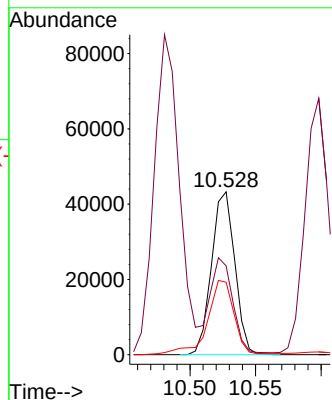
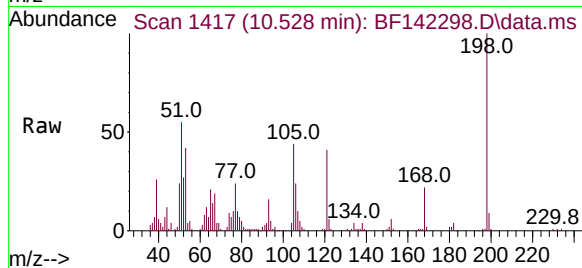
#65
4,6-Dinitro-2-methylphenol
Concen: 19.555 ng
RT: 10.528 min Scan# 1417
Delta R.T. -0.005 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

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

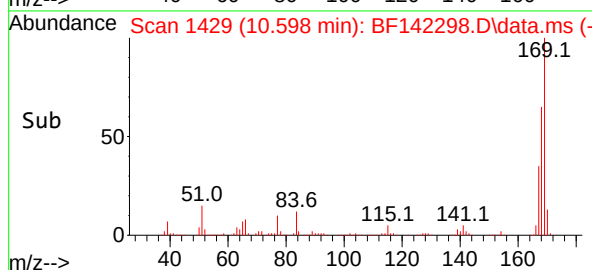
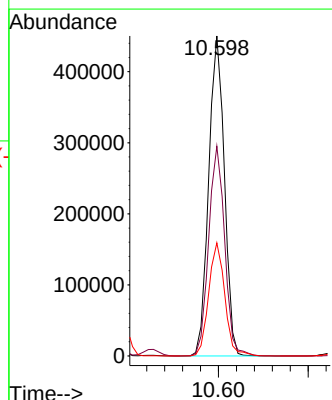
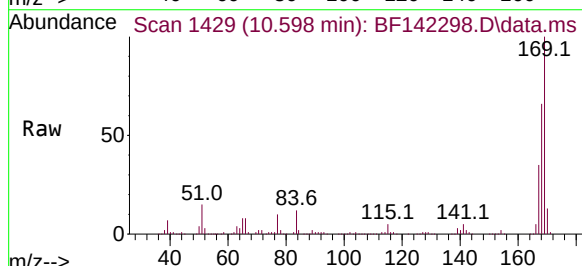
Manual Integrations
APPROVED

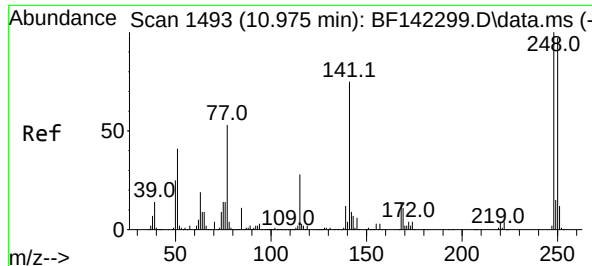
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

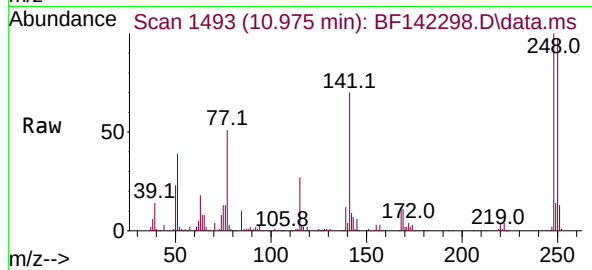
Tgt Ion:169 Resp: 545886
Ion Ratio Lower Upper
169 100
168 65.6 53.2 79.8
167 35.3 28.9 43.3





#67
4-Bromophenyl-phenylether
Concen: 20.459 ng
RT: 10.975 min Scan# 1493
Delta R.T. 0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

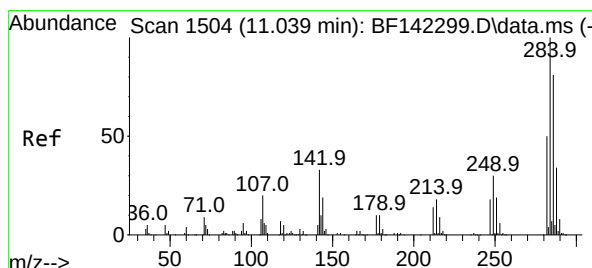
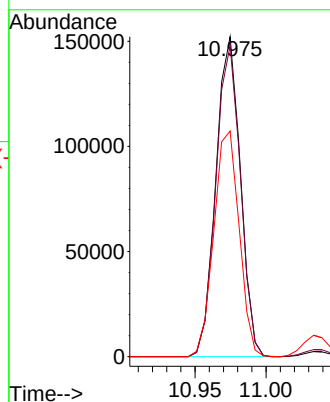
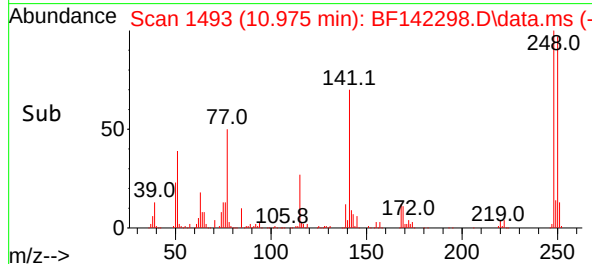
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



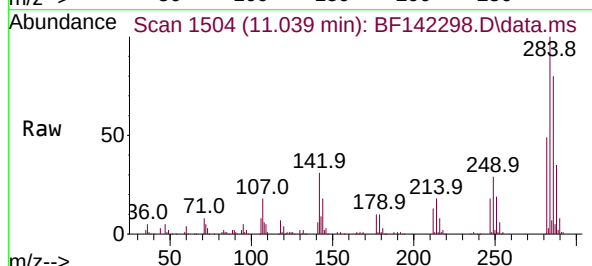
Tgt Ion:248 Resp: 18278
Ion Ratio Lower Upper
248 100
250 97.3 77.9 116.9
141 70.5 59.8 89.8

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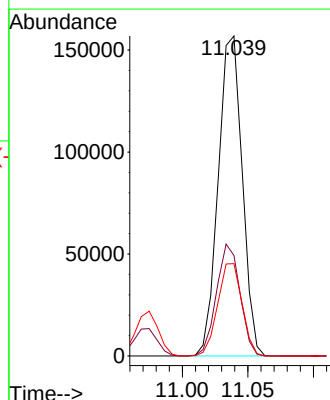
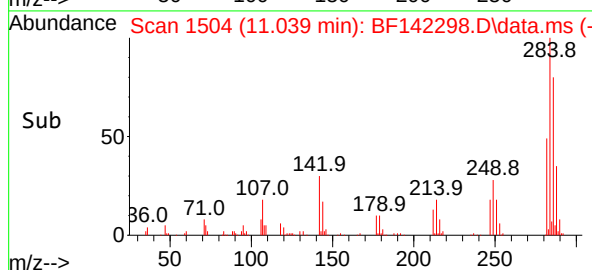
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

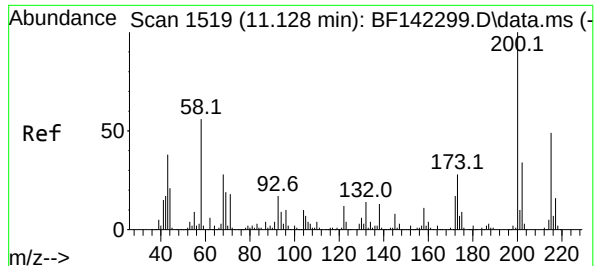


#68
Hexachlorobenzene
Concen: 20.307 ng
RT: 11.039 min Scan# 1504
Delta R.T. 0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21



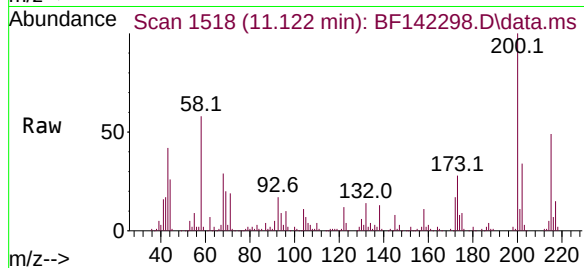
Tgt Ion:284 Resp: 199561
Ion Ratio Lower Upper
284 100
142 31.4 26.6 39.8
249 28.9 24.1 36.1





#69
Atrazine
Concen: 20.082 ng
RT: 11.122 min Scan# 1519
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

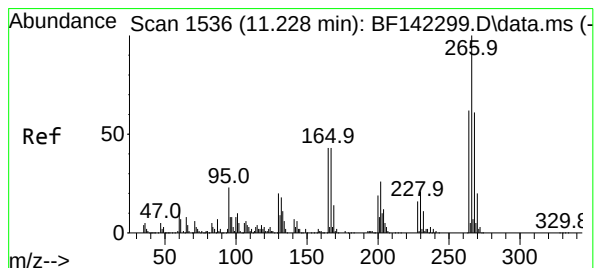
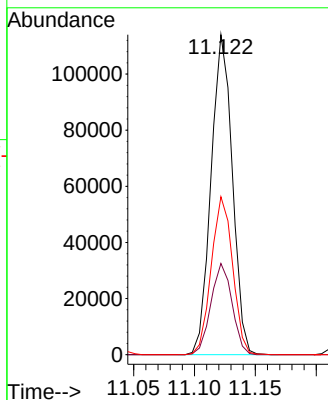
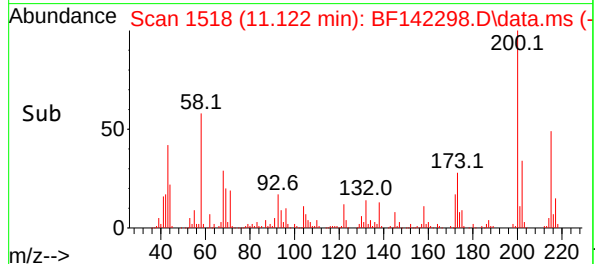
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



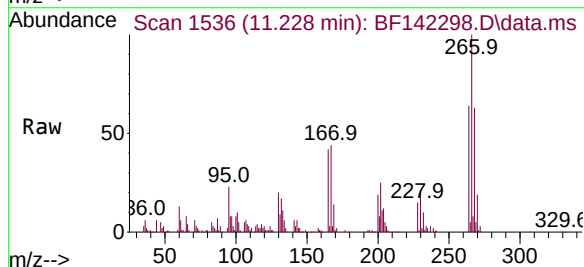
Tgt Ion:200 Resp: 138860
Ion Ratio Lower Upper
200 100
173 28.5 8.1 48.1
215 49.3 28.8 68.8

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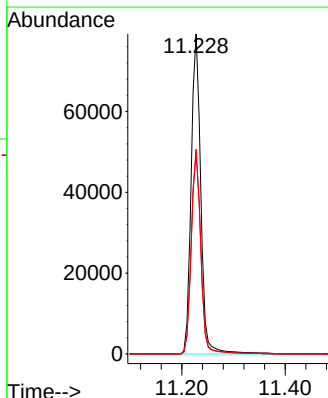
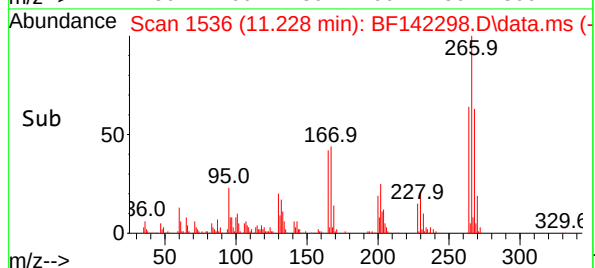
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

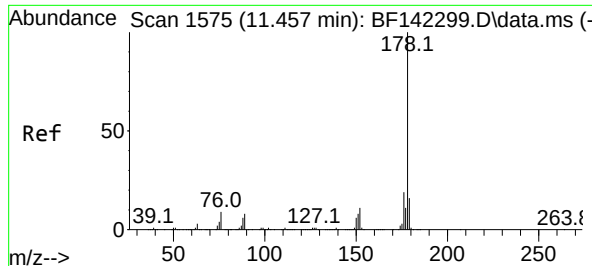


#70
Pentachlorophenol
Concen: 19.845 ng
RT: 11.228 min Scan# 1536
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21



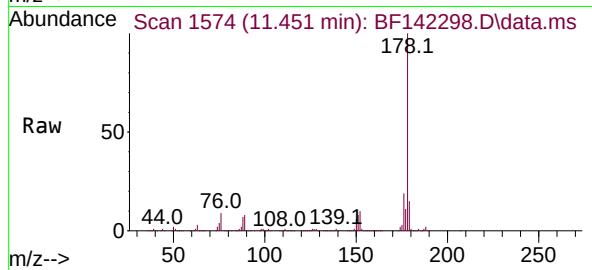
Tgt Ion:266 Resp: 102593
Ion Ratio Lower Upper
266 100
268 63.0 48.7 73.1
264 63.9 49.8 74.6





#71
Phenanthrene
Concen: 21.083 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

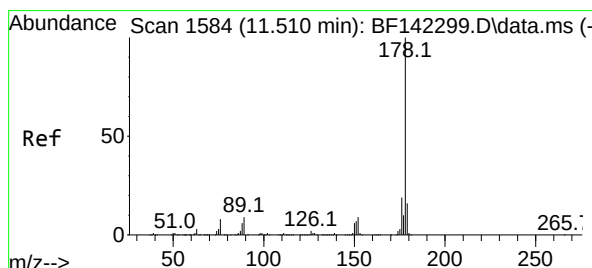
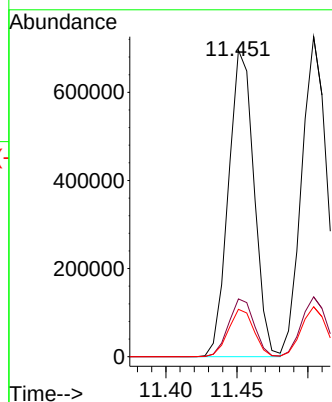
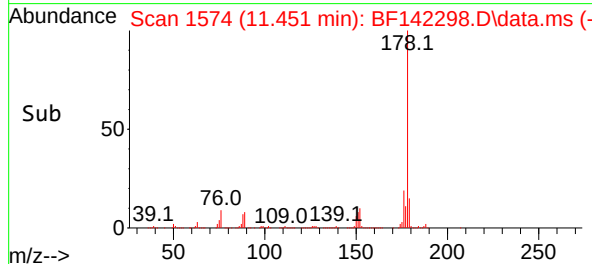
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



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

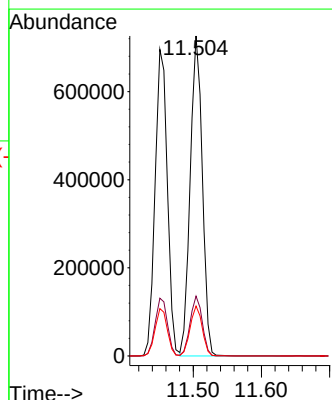
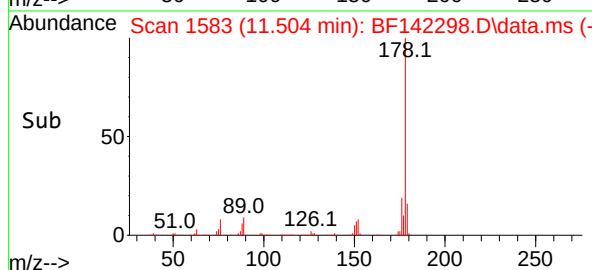
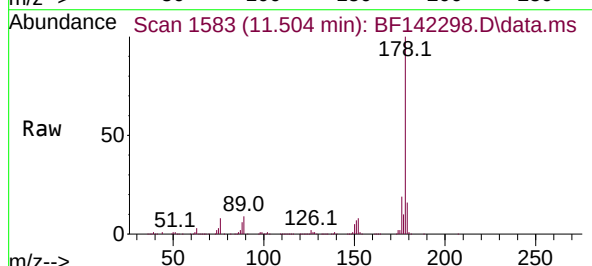
Manual Integrations
APPROVED

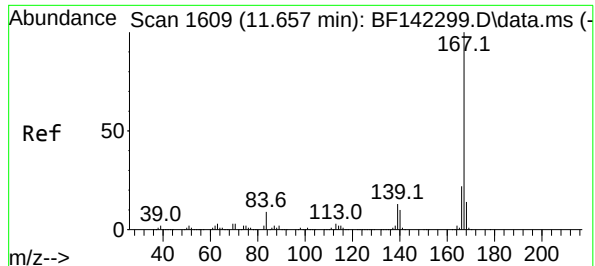
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

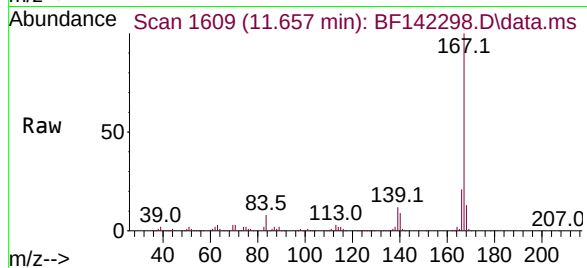
Tgt Ion:178 Resp: 893968
Ion Ratio Lower Upper
178 100
176 18.7 15.3 22.9
179 15.6 12.6 18.8





#73
Carbazole
Concen: 21.189 ng
RT: 11.657 min Scan# 1609
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

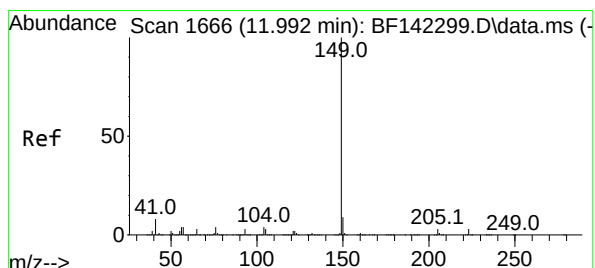
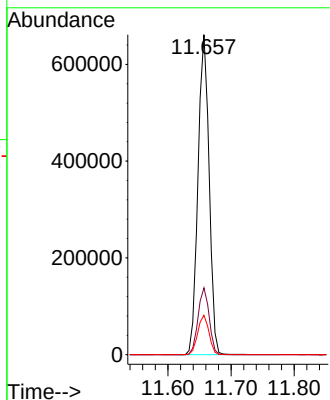
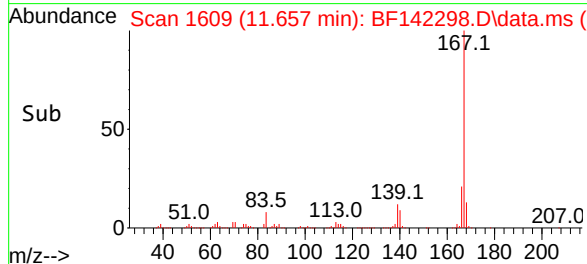
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



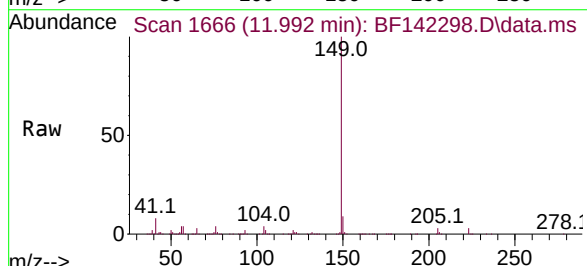
Tgt Ion:167 Resp: 80708
Ion Ratio Lower Upper
167 100
166 20.9 17.2 25.8
139 12.3 10.3 15.5

Manual Integrations
APPROVED

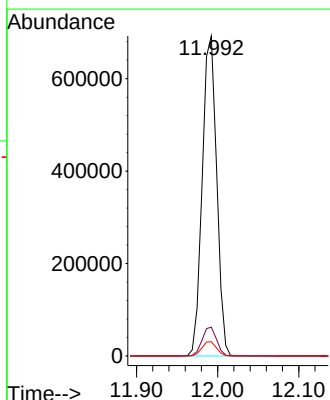
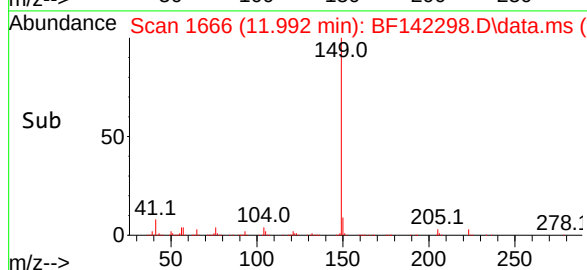
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

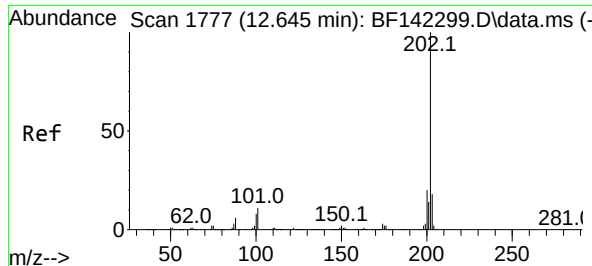


#74
Di-n-butylphthalate
Concen: 21.293 ng
RT: 11.992 min Scan# 1666
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21



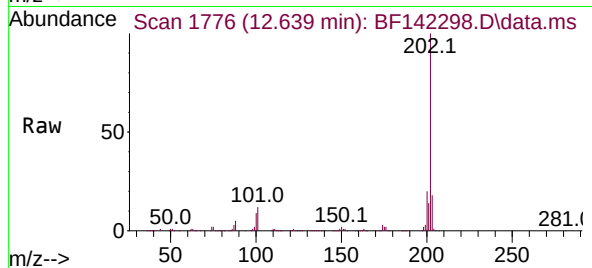
Tgt Ion:149 Resp: 852839
Ion Ratio Lower Upper
149 100
150 9.0 7.5 11.3
104 4.4 3.6 5.4





#75
Fluoranthene
Concen: 21.523 ng
RT: 12.639 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

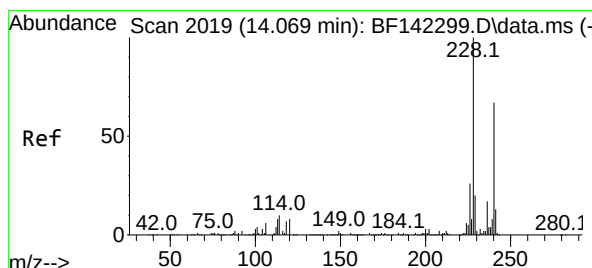
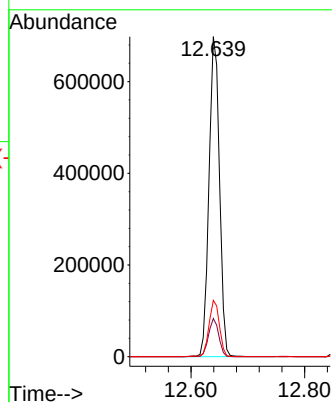
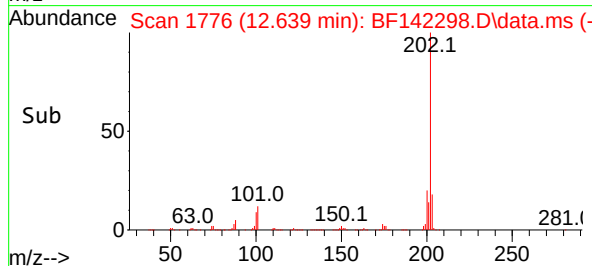
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:202 Resp: 88897
Ion Ratio Lower Upper
202 100
101 11.9 0.0 31.4
203 17.6 0.0 37.9

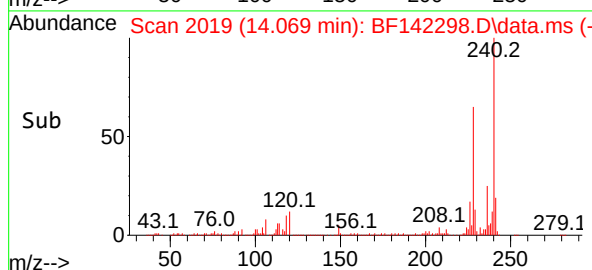
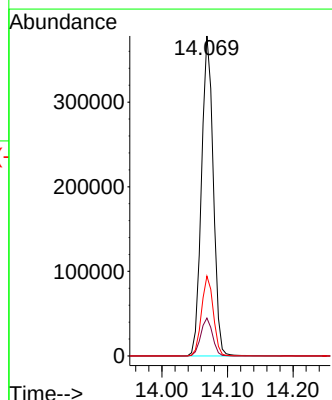
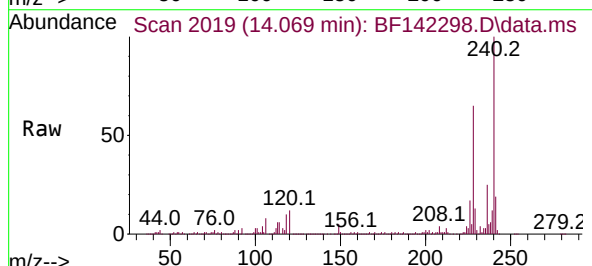
Manual Integrations
APPROVED

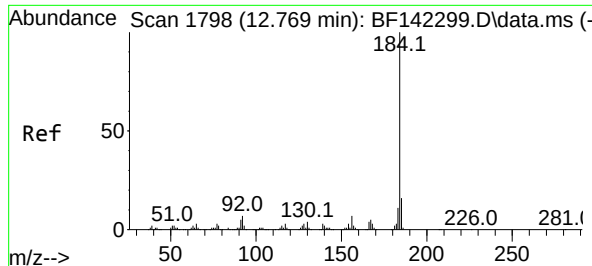
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

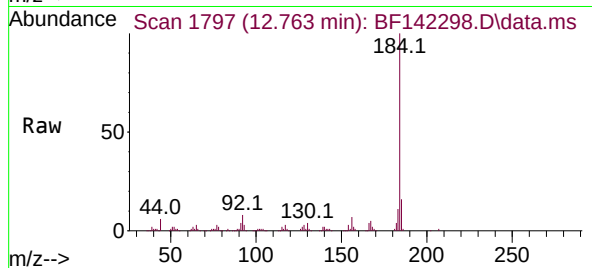
Tgt Ion:240 Resp: 473278
Ion Ratio Lower Upper
240 100
120 11.8 9.7 14.5
236 25.0 20.0 30.0





#77
Benzidine
Concen: 21.110 ng
RT: 12.763 min Scan# 1815
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

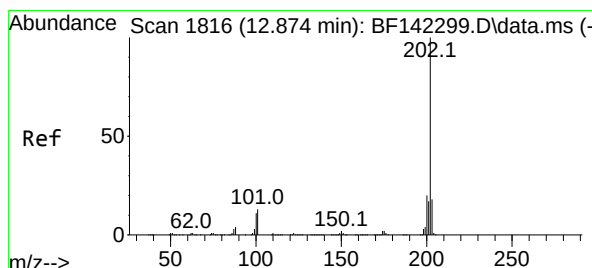
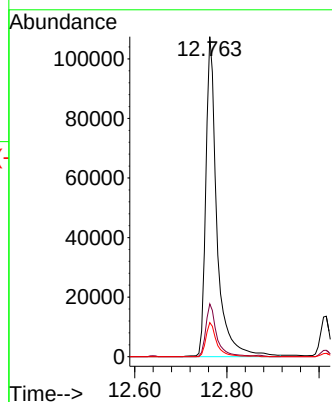
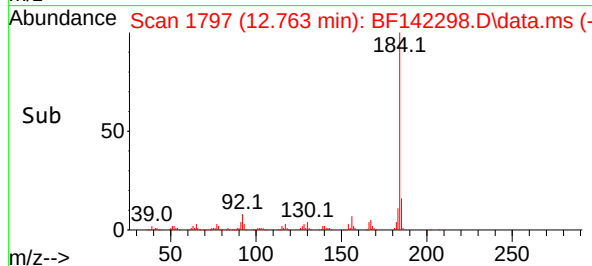
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:184 Resp: 18156
Ion Ratio Lower Upper
184 100
185 16.5 12.6 18.8
183 10.7 8.6 12.8

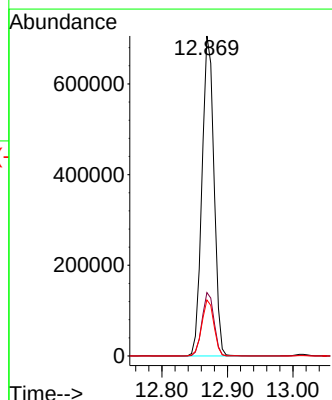
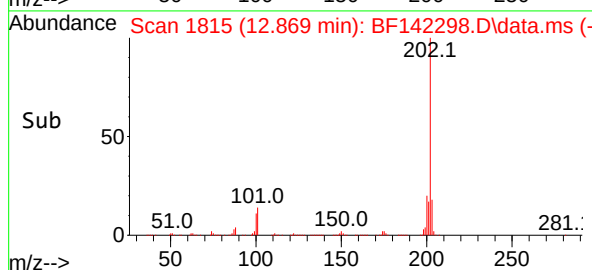
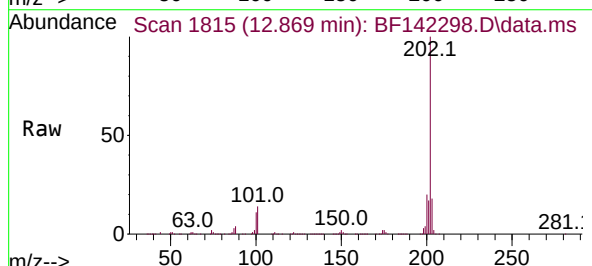
Manual Integrations
APPROVED

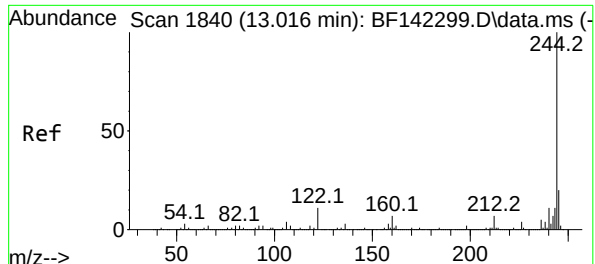
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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# 1840

Delta R.T. -0.000 min

Lab File: BF142298.D

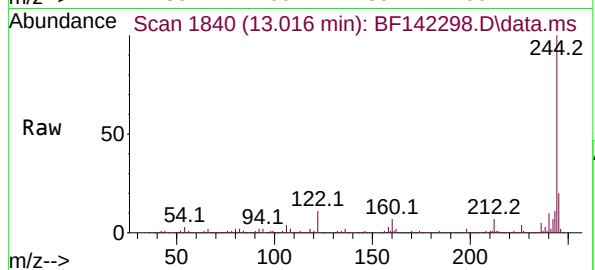
Acq: 05 May 2025 15:21

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



Tgt Ion:244 Resp: 1382069

Ion Ratio Lower Upper

244 100

212 6.6 5.4 8.2

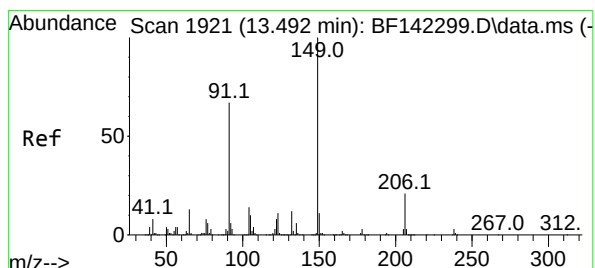
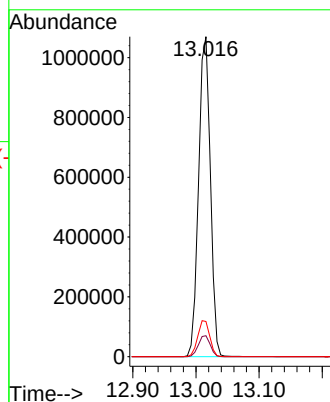
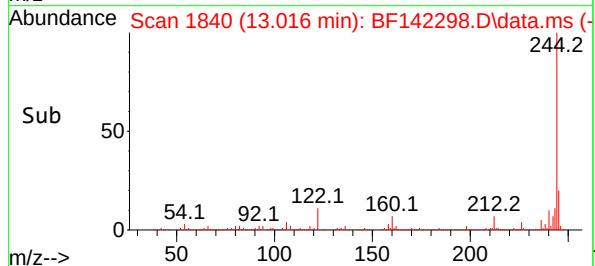
122 11.0 9.0 13.4

Manual Integrations

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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

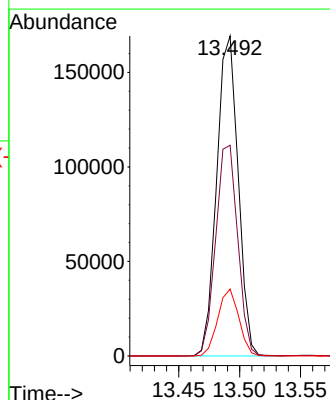
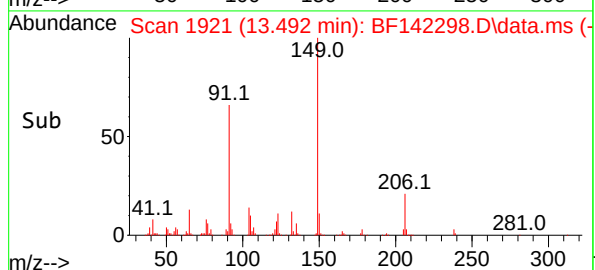
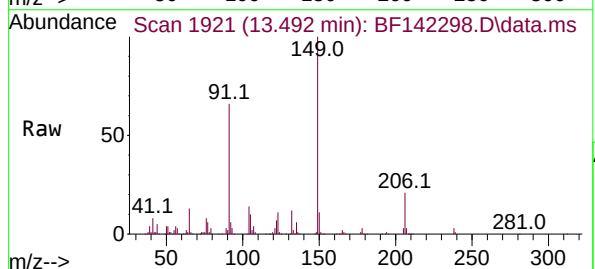
Tgt Ion:149 Resp: 207602

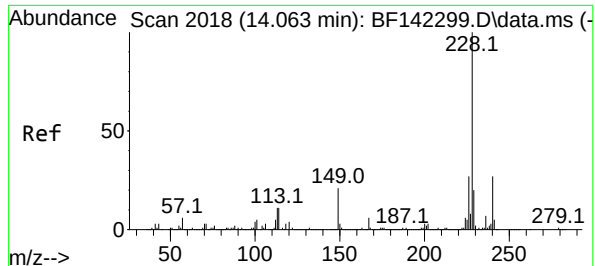
Ion Ratio Lower Upper

149 100

91 65.8 53.8 80.6

206 20.9 16.6 24.8





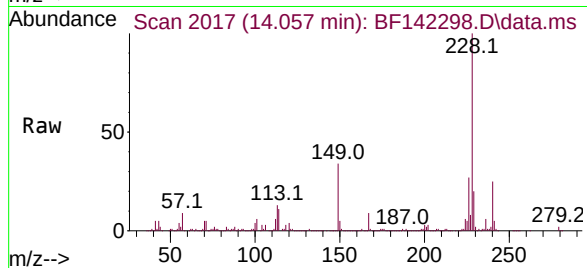
#81
Benzo(a)anthracene
Concen: 20.336 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

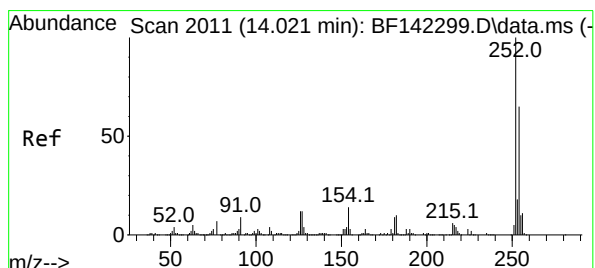
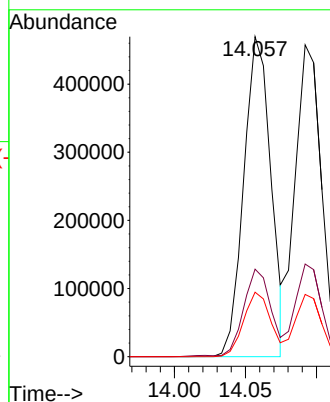
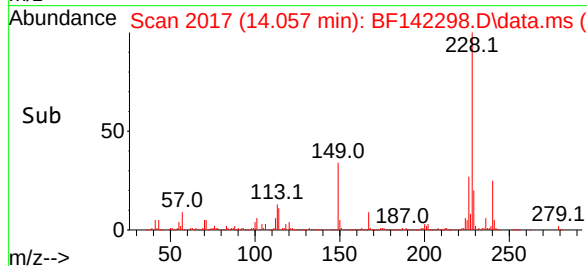


Tgt Ion:228 Resp: 623280
Ion Ratio Lower Upper
228 100
226 27.3 21.5 32.3
229 20.2 15.9 23.9

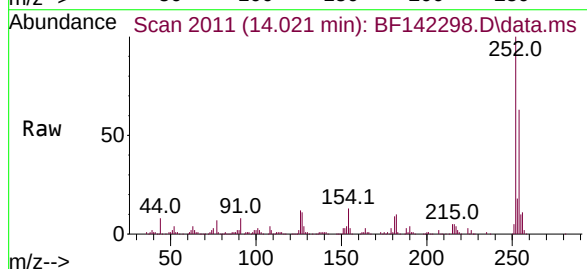
Manual Integrations

APPROVED

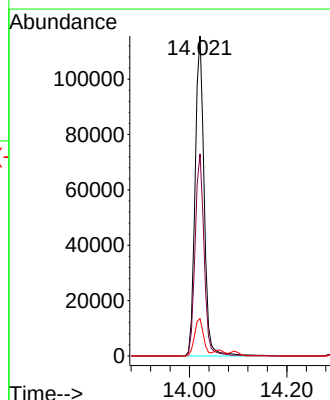
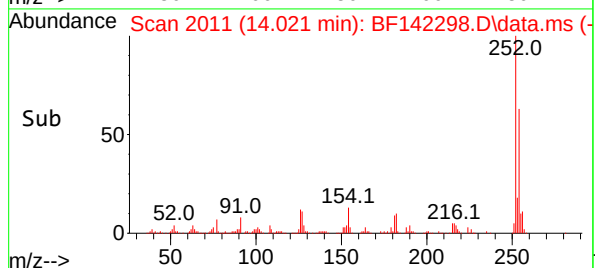
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

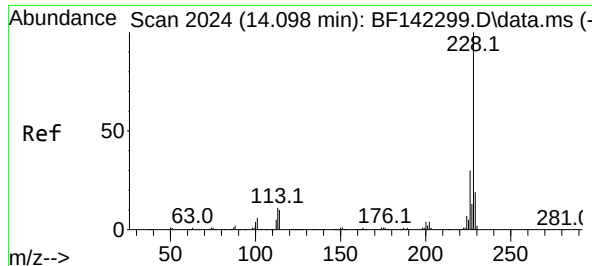


#82
3,3'-Dichlorobenzidine
Concen: 20.978 ng
RT: 14.021 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21



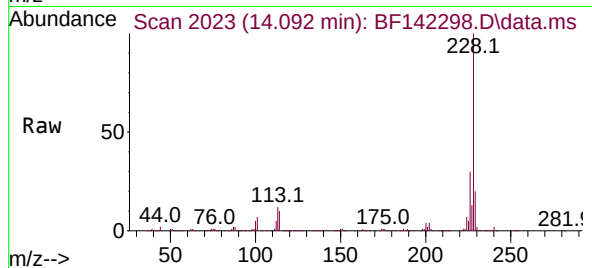
Tgt Ion:252 Resp: 149520
Ion Ratio Lower Upper
252 100
254 63.2 52.0 78.0
126 11.7 9.7 14.5





#83
Chrysene
Concen: 20.676 ng
RT: 14.092 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

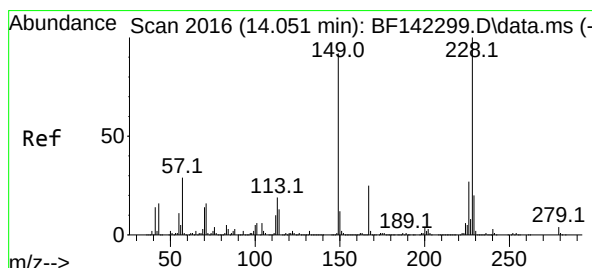
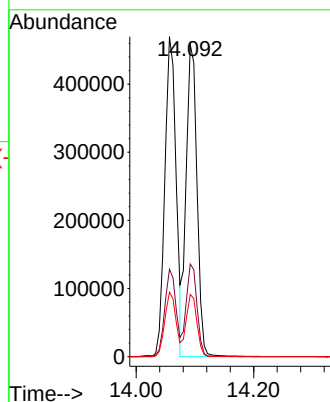
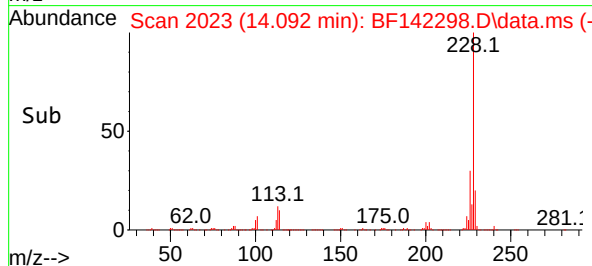
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:228 Resp: 58996
Ion Ratio Lower Upper
228 100
226 29.7 23.9 35.9
229 19.9 15.4 23.2

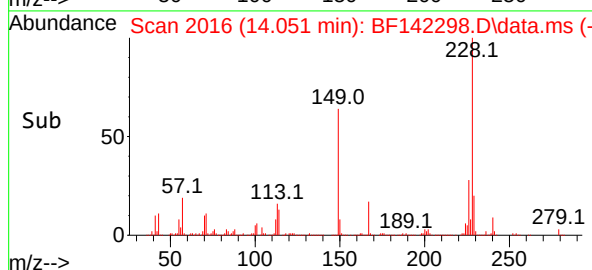
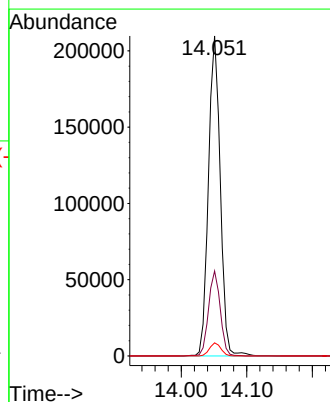
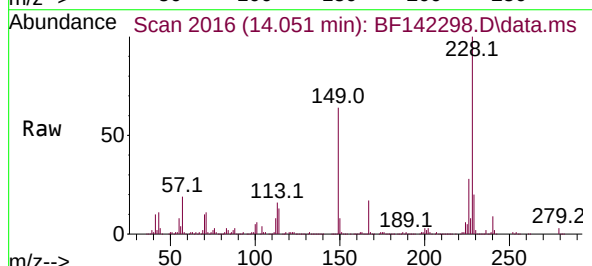
Manual Integrations
APPROVED

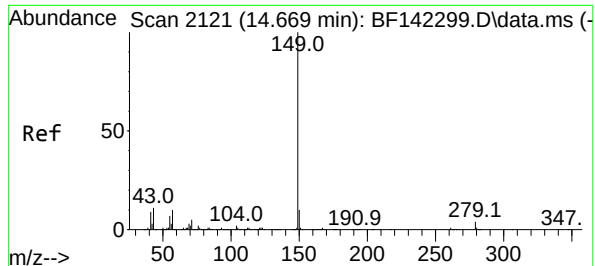
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

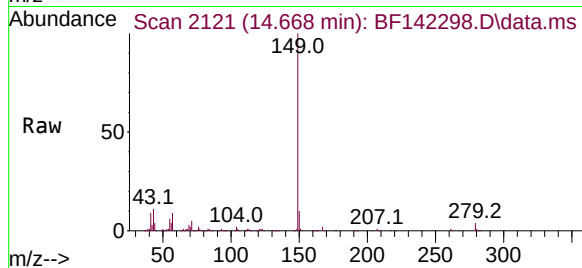
Tgt Ion:149 Resp: 263391
Ion Ratio Lower Upper
149 100
167 26.6 22.0 33.0
279 4.1 3.0 4.6





#85
Di-n-octyl phthalate
Concen: 19.581 ng
RT: 14.668 min Scan# 2121
Delta R.T. -0.001 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

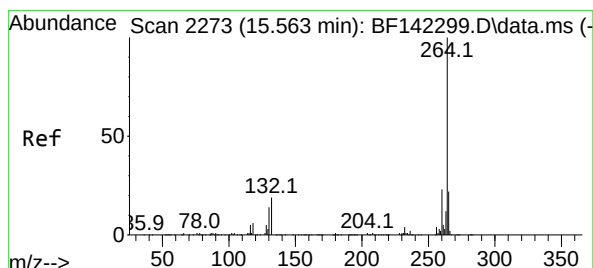
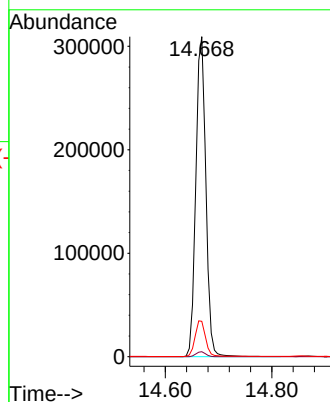
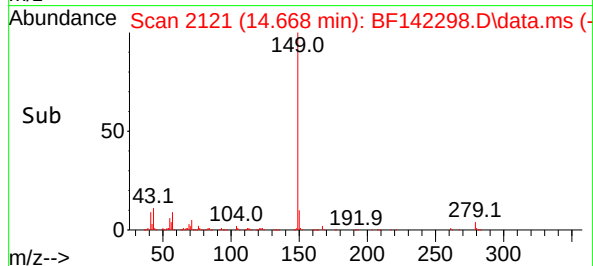
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



Tgt Ion:149 Resp: 405077
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 11.8 9.2 13.8

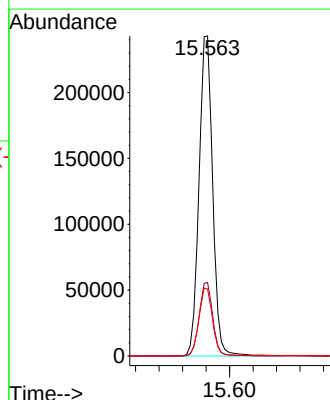
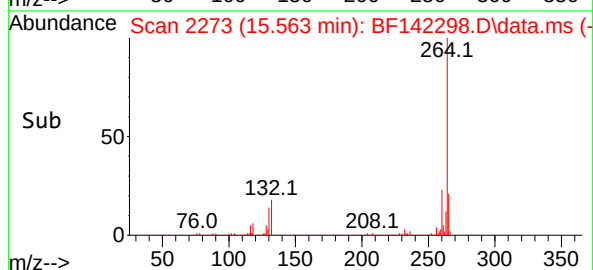
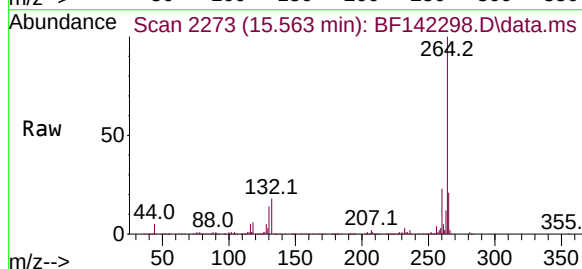
Manual Integrations
APPROVED

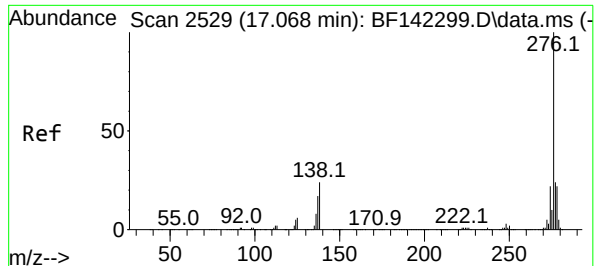
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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# 2197

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

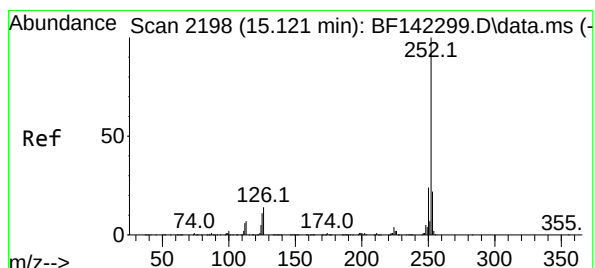
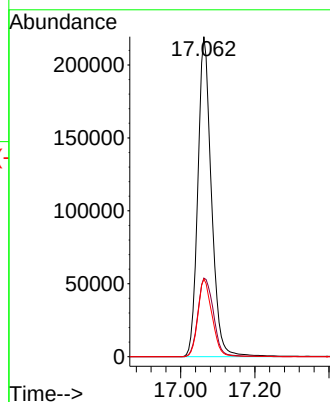
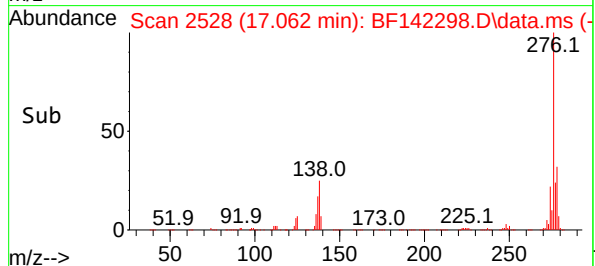
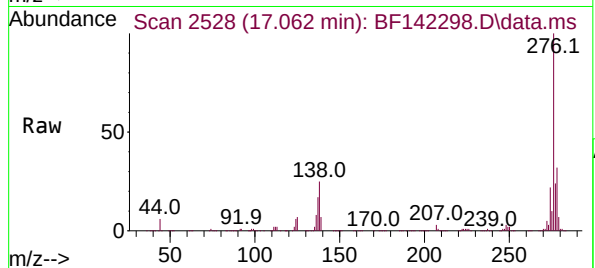
277 25.2 20.1 30.1

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

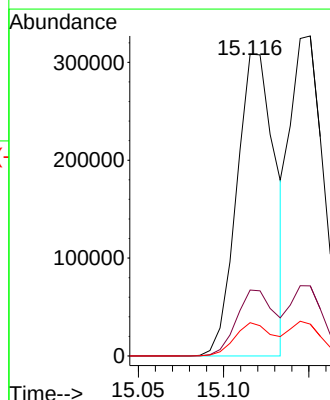
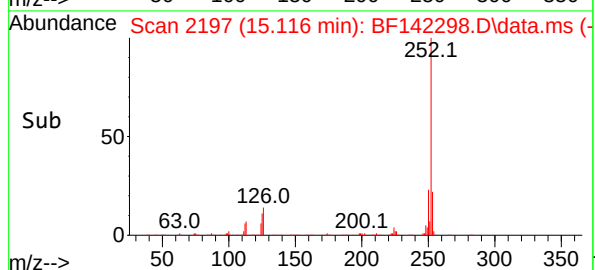
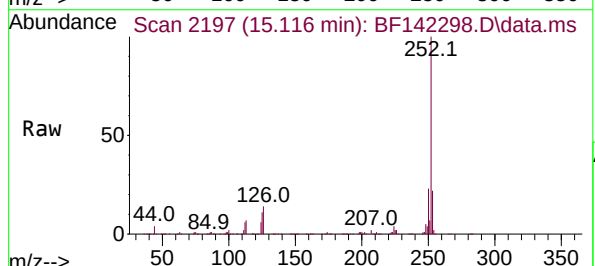
Tgt Ion:252 Resp: 481134

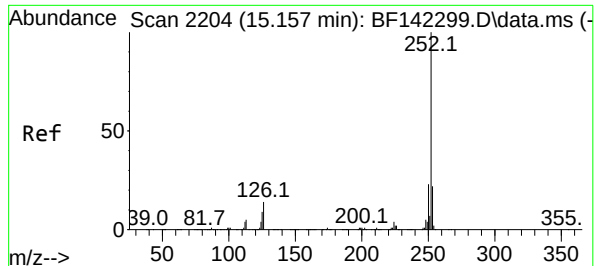
Ion Ratio Lower Upper

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# 21

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

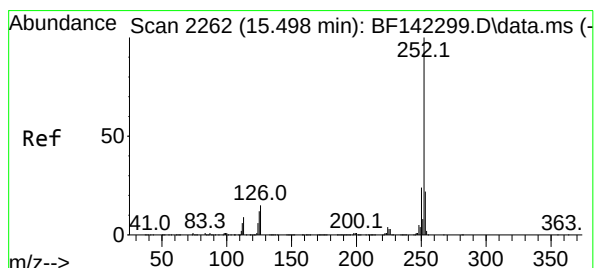
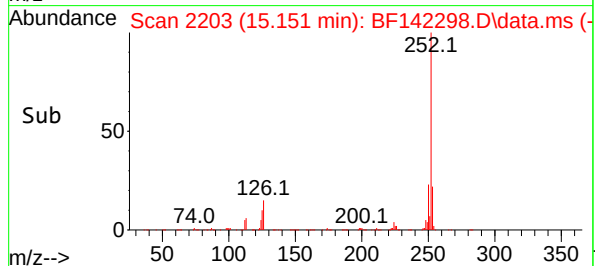
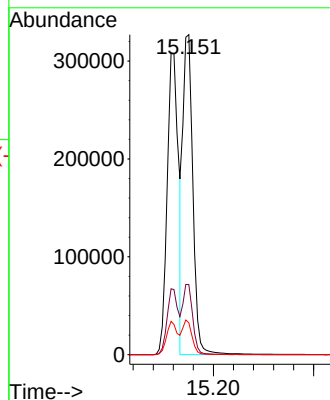
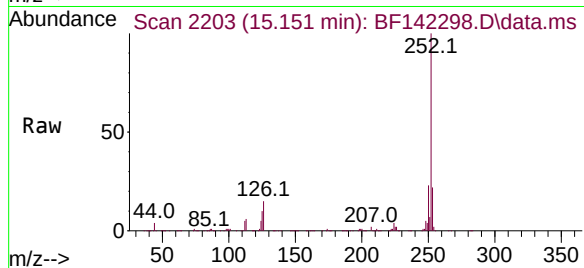
125 10.0 8.1 12.1

Manual Integrations

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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

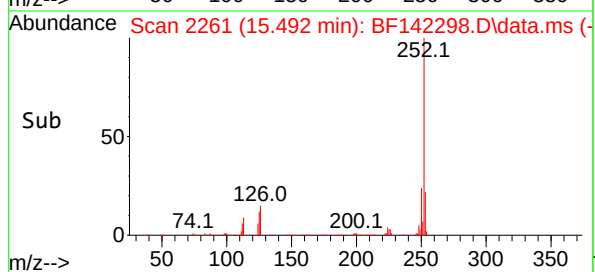
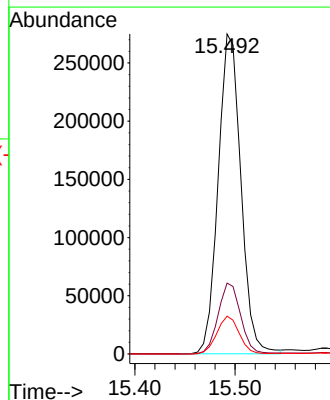
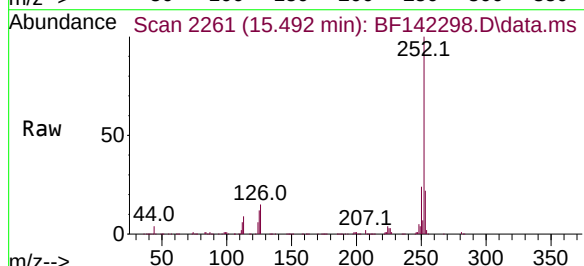
Tgt Ion:252 Resp: 432151

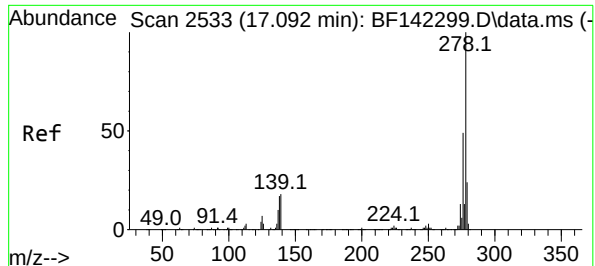
Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.6

125 11.8 9.4 14.0





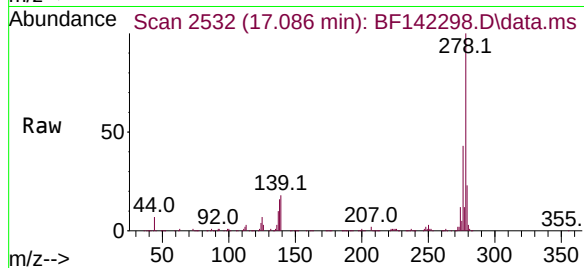
#91
Dibenzo(a,h)anthracene
Concen: 20.783 ng
RT: 17.086 min Scan# 2532
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

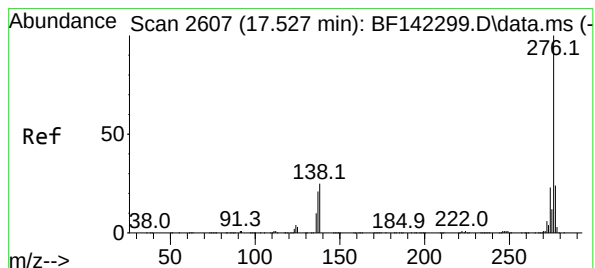
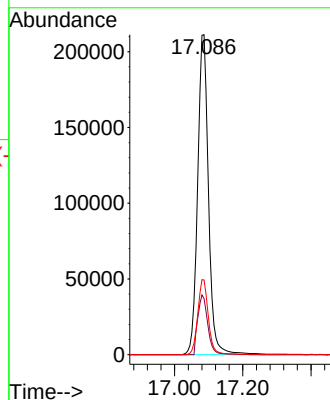
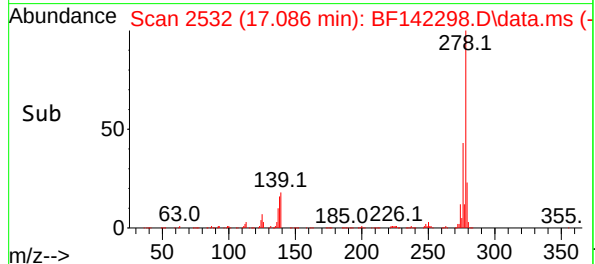


Tgt Ion: 278 Resp: 46830
Ion Ratio Lower Upper
278 100
139 17.6 14.5 21.7
279 23.3 18.9 28.3

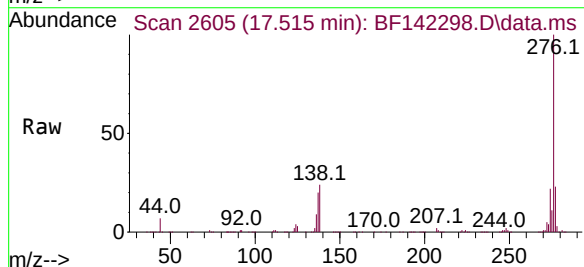
Manual Integrations

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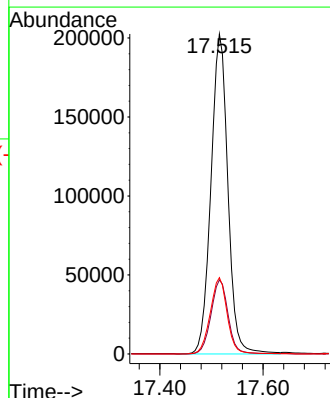
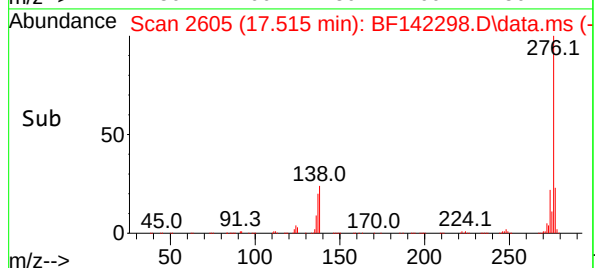
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

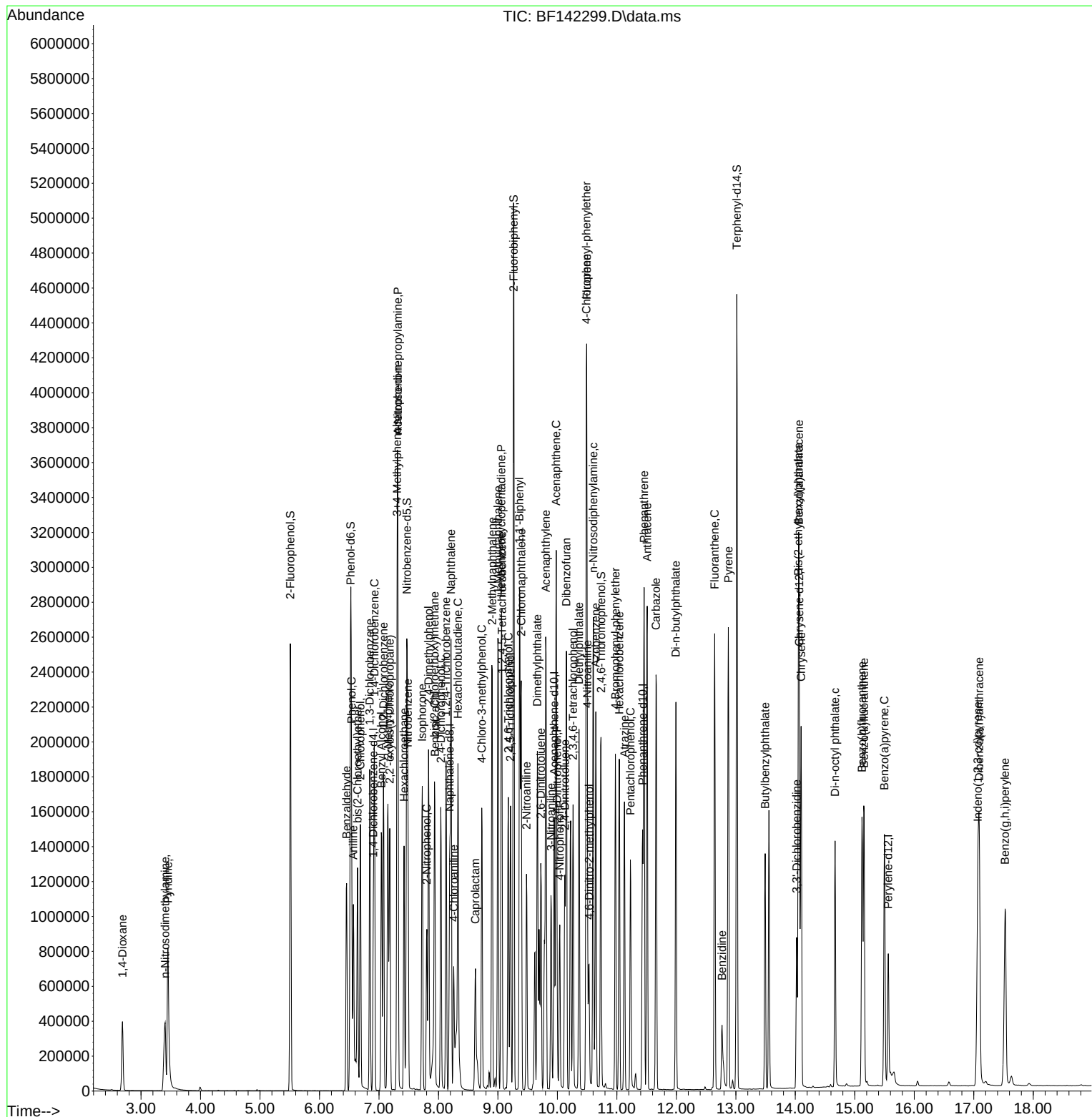
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142299.D
Acq On : 05 May 2025 15:50
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

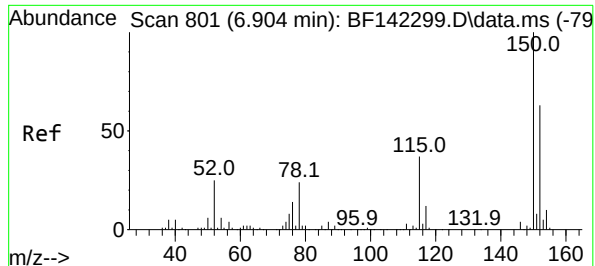
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

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

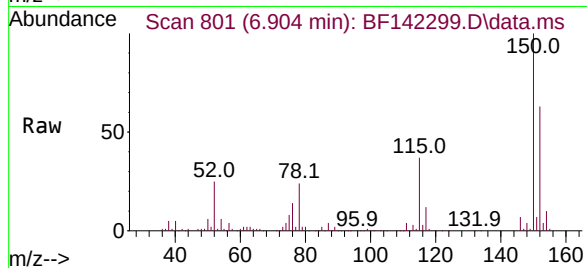
Quant Time: May 05 17:59:10 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 17:44:56 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

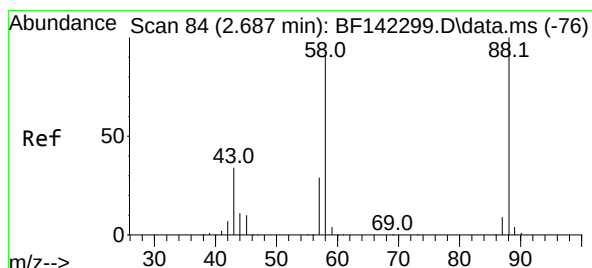
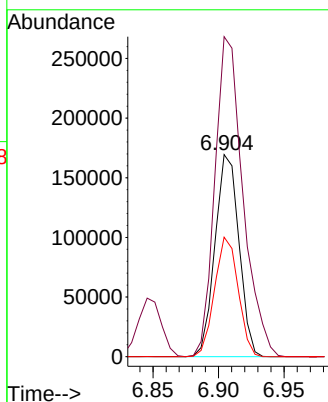
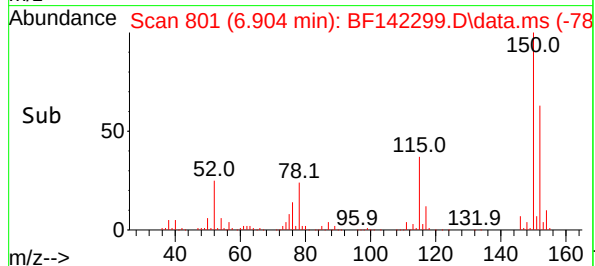
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion: 152 Resp: 21515
Ion Ratio Lower Upper
152 100
150 158.3 126.6 190.0
115 59.1 47.3 70.9

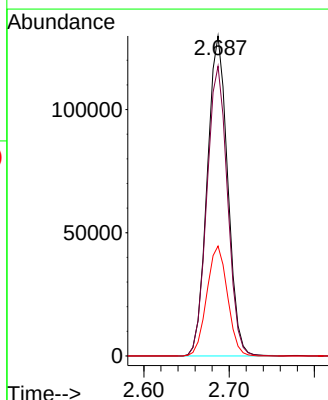
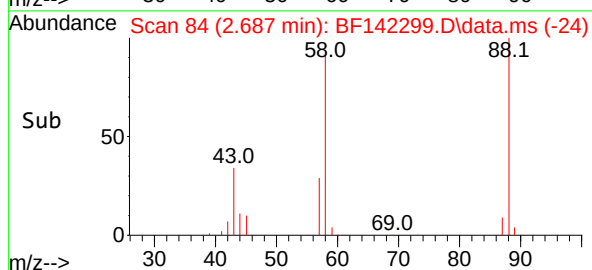
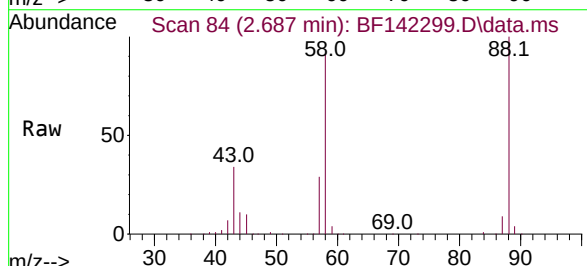
Manual Integrations
APPROVED

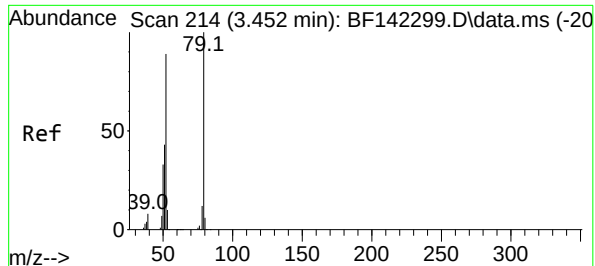
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

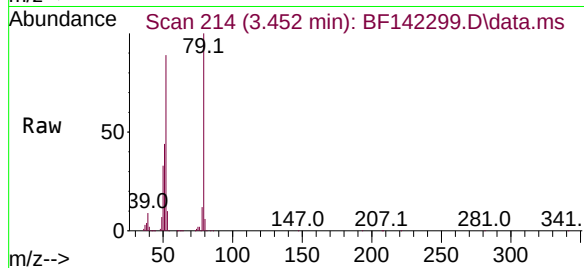
Tgt Ion: 88 Resp: 216454
Ion Ratio Lower Upper
88 100
58 91.2 73.0 109.4
43 34.7 27.8 41.6





#3
Pyridine
Concen: 37.907 ng
RT: 3.452 min Scan# 214
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

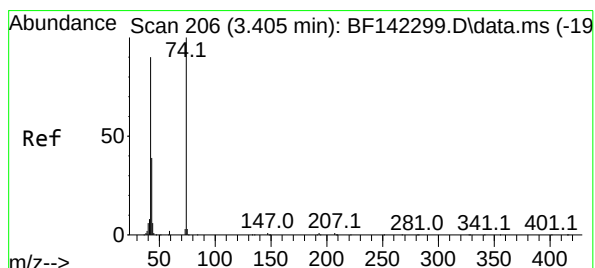
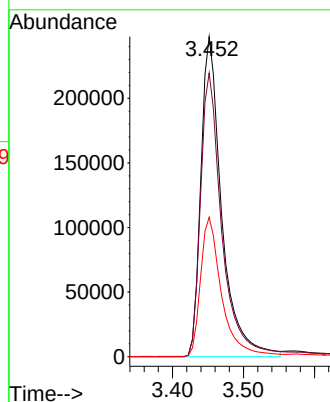
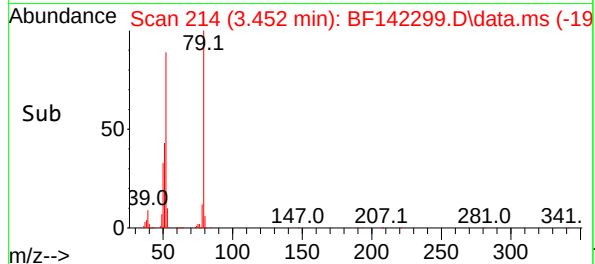
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion: 79 Resp: 50589
Ion Ratio Lower Upper
79 100
52 88.7 71.0 106.4
51 43.6 34.9 52.3

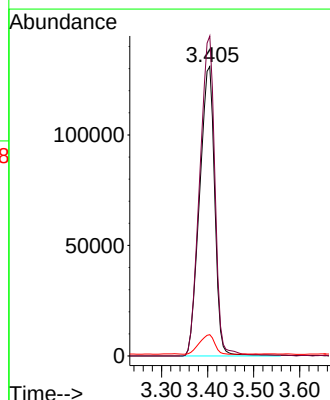
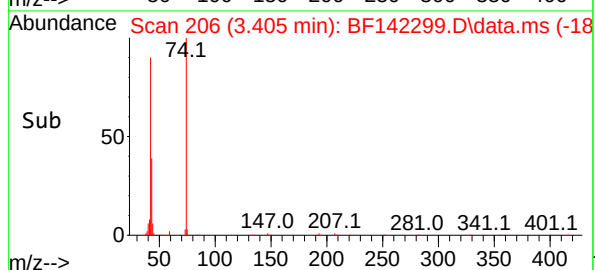
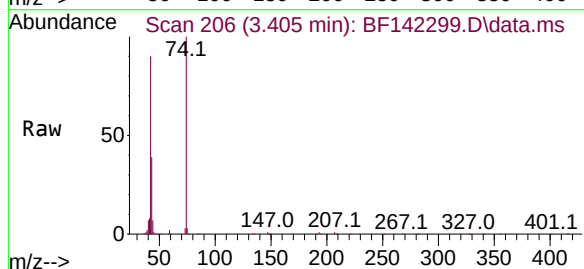
Manual Integrations
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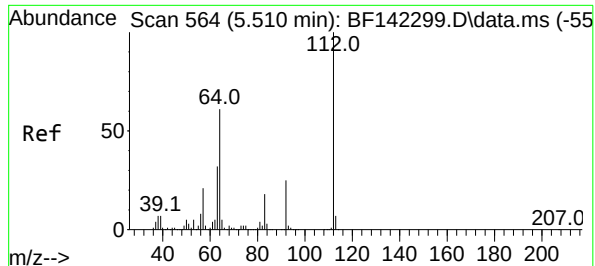
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

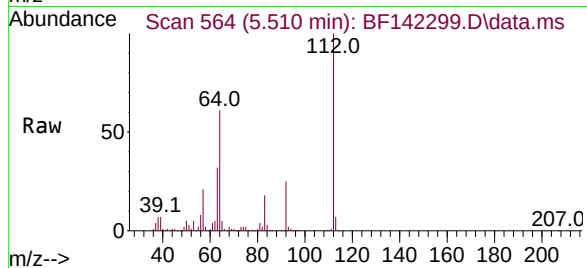
Tgt Ion: 42 Resp: 299573
Ion Ratio Lower Upper
42 100
74 110.6 88.5 132.7
44 7.3 5.8 8.8





#5
2-Fluorophenol
Concen: 76.859 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

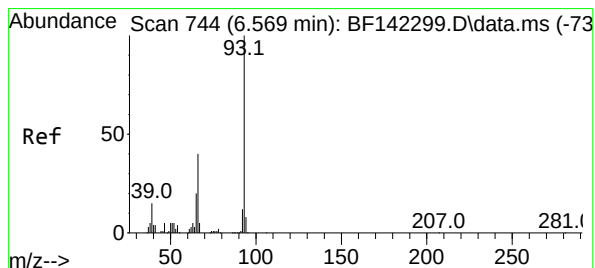
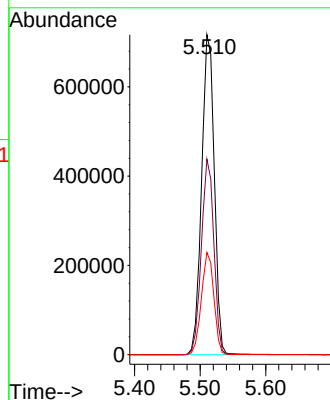
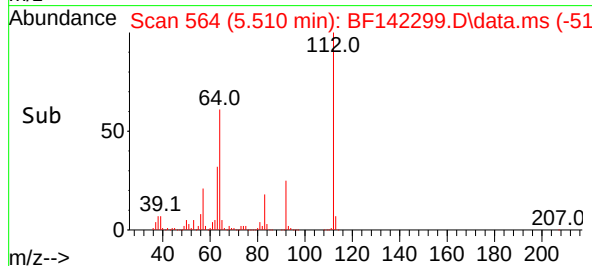
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

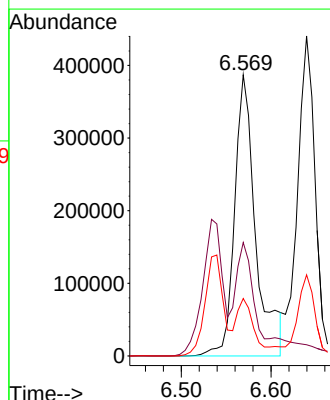
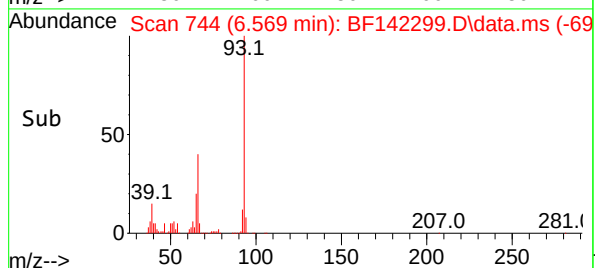
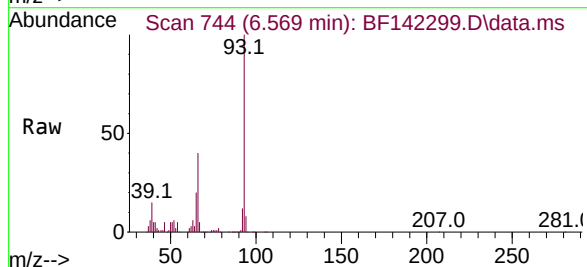
Manual Integrations
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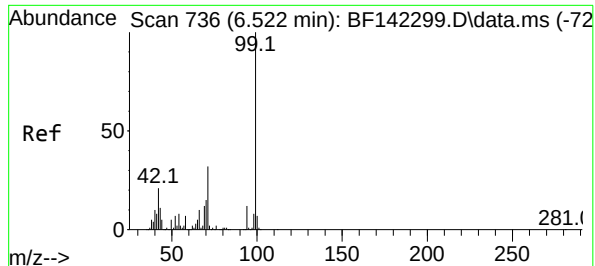
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

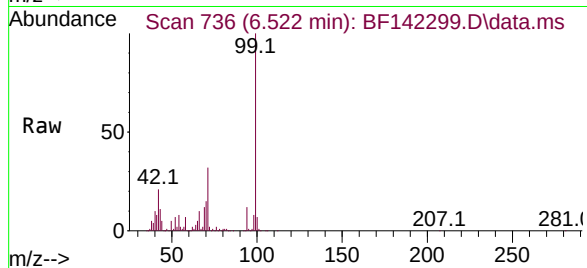
Tgt Ion: 93 Resp: 631218
Ion Ratio Lower Upper
93 100
66 40.3 32.2 48.4
65 20.4 16.3 24.5





#7
Phenol-d6
Concen: 76.311 ng
RT: 6.522 min Scan# 736
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

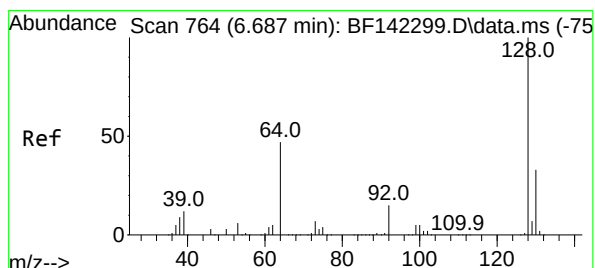
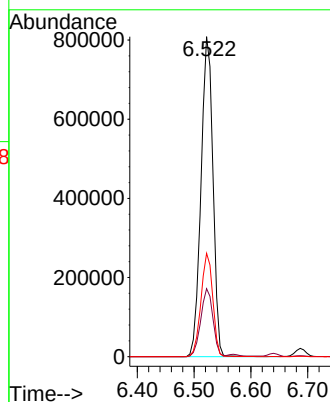
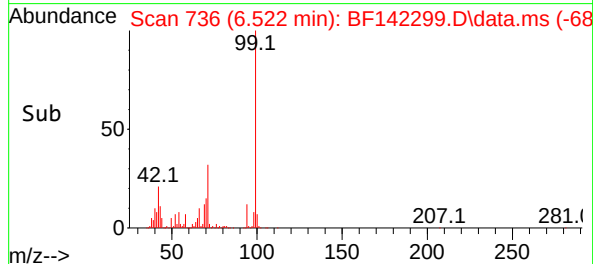
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion: 99 Resp: 118295
Ion Ratio Lower Upper
99 100
42 21.2 17.0 25.4
71 32.3 25.8 38.8

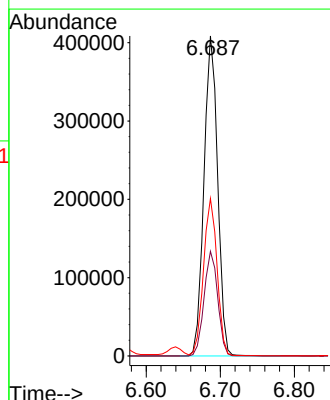
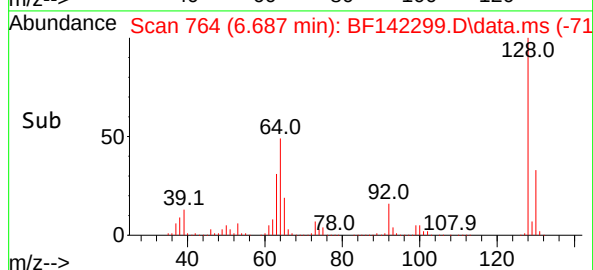
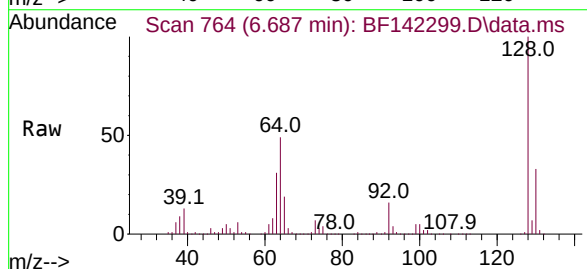
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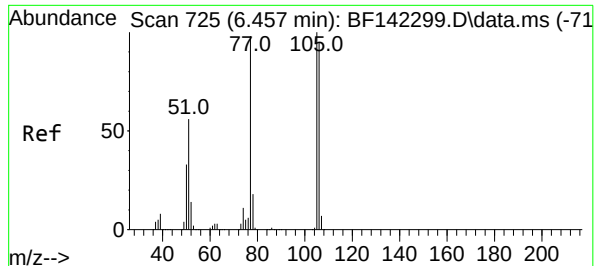
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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# 725

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: 31598

Ion Ratio Lower Upper

77 100

105 102.0 82.0 122.0

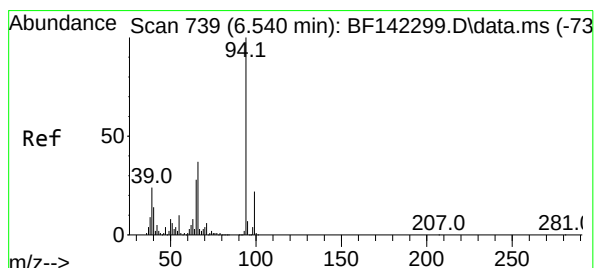
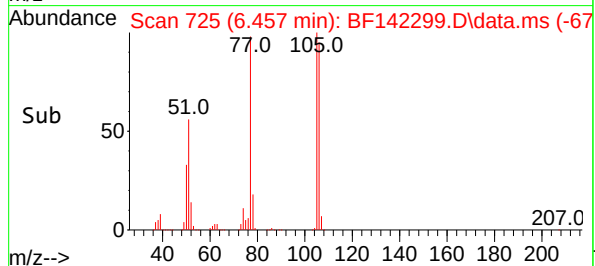
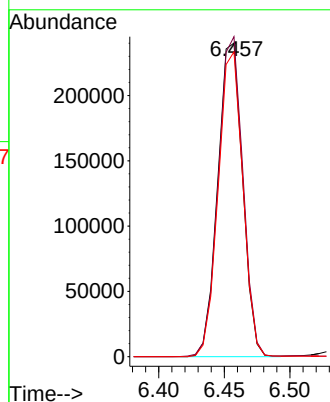
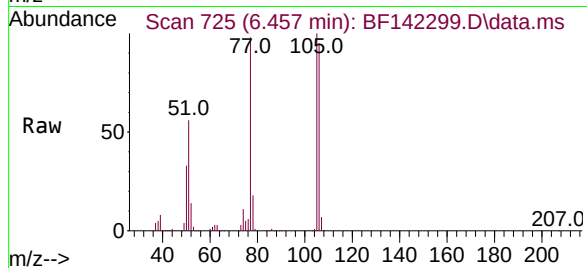
106 97.2 77.2 117.2

Manual Integrations

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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

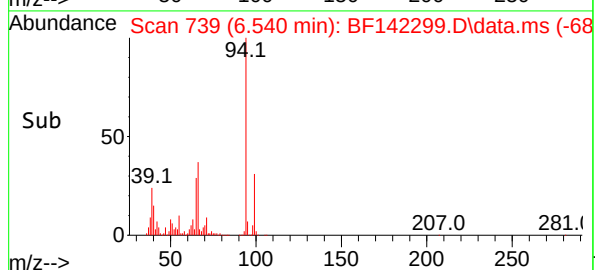
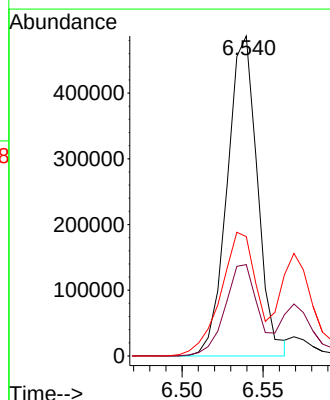
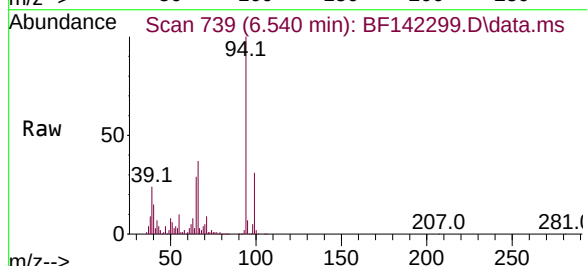
Tgt Ion: 94 Resp: 633459

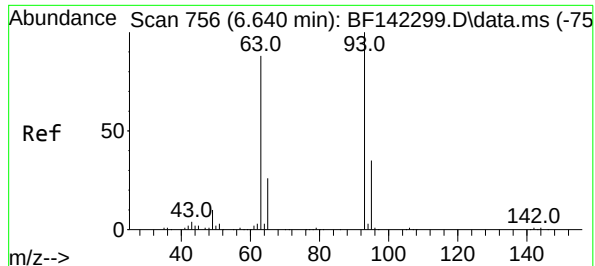
Ion Ratio Lower Upper

94 100

65 28.5 8.5 48.5

66 37.3 17.3 57.3





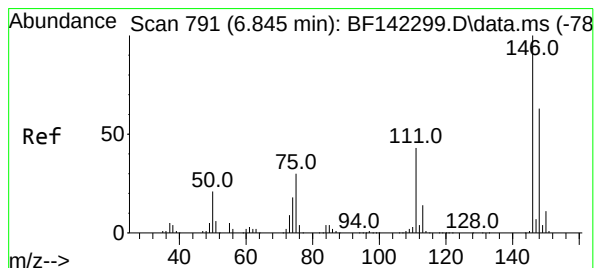
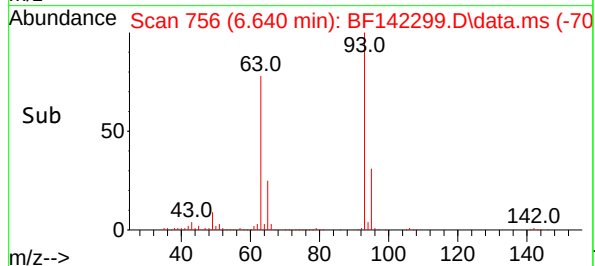
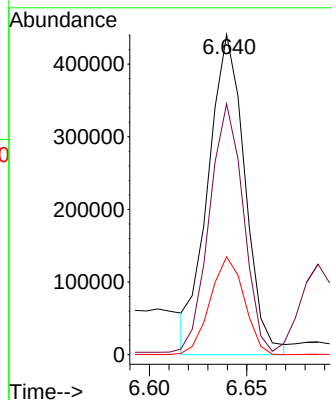
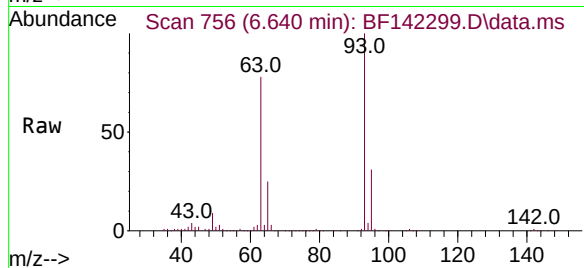
#11
bis(2-Chloroethyl)ether
Concen: 35.924 ng m
RT: 6.640 min Scan# 756
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 93 Resp: 582128
Ion Ratio Lower Upper
93 100
63 78.4 58.4 98.4
95 30.6 10.6 50.6

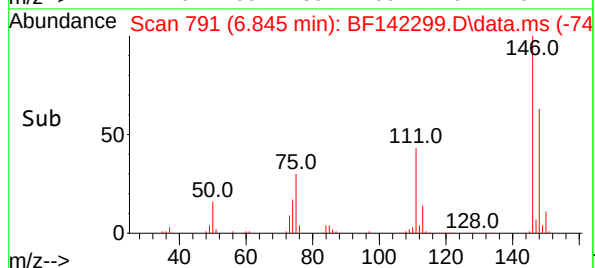
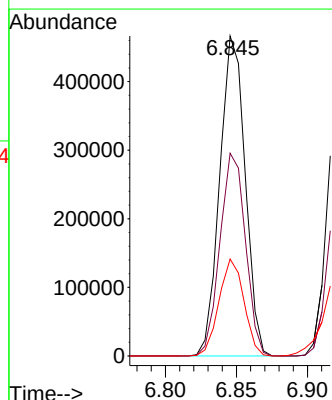
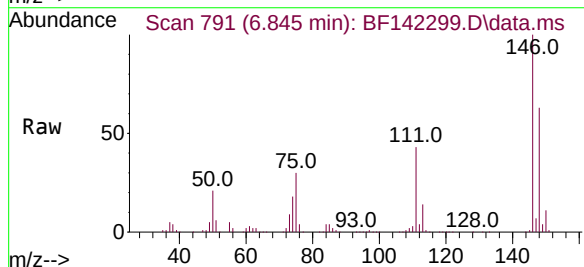
Manual Integrations
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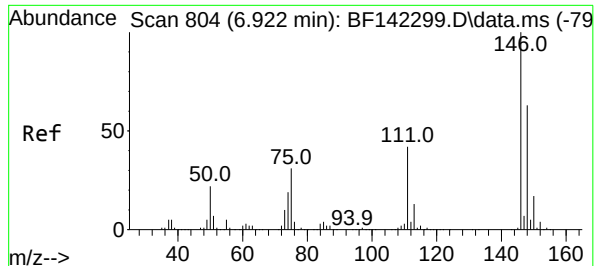
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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# 804

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: 586770

Ion Ratio Lower Upper

146 100

148 63.1 50.5 75.7

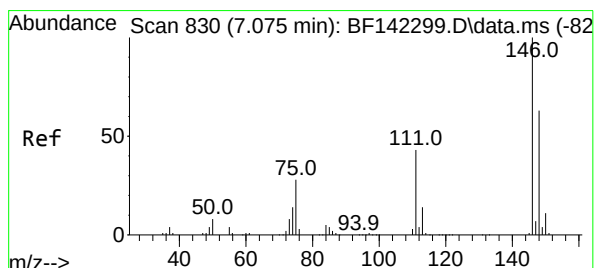
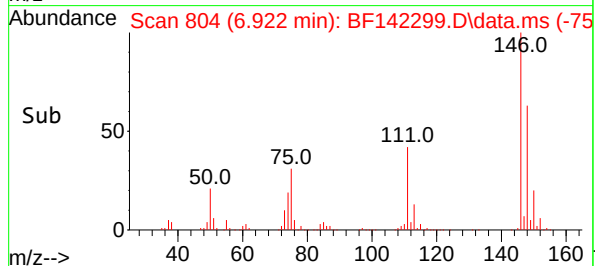
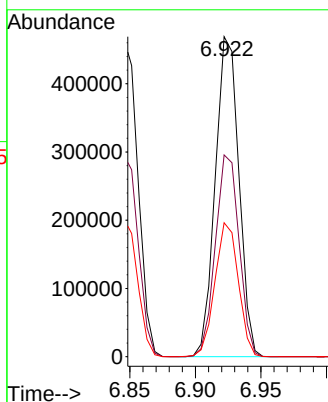
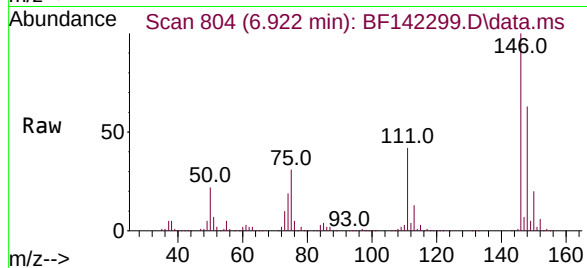
111 41.8 33.4 50.2

Manual Integrations

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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

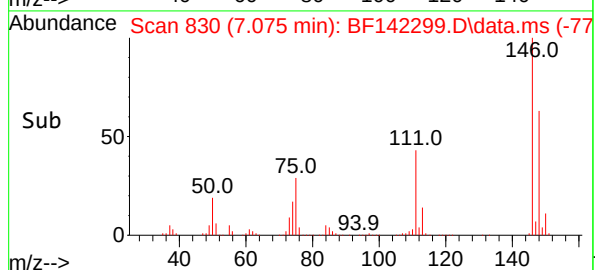
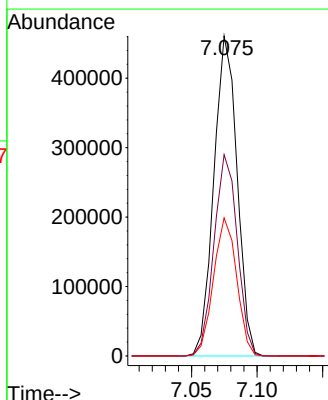
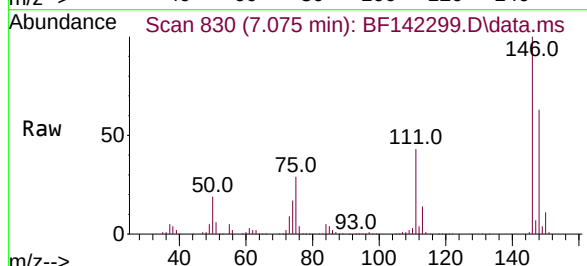
Tgt Ion:146 Resp: 566937

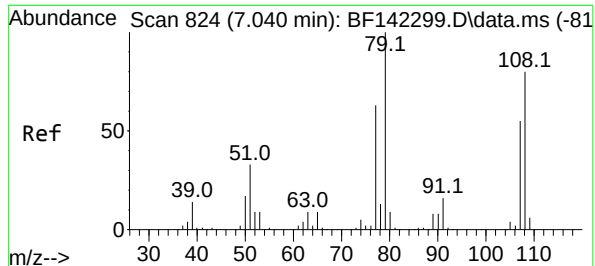
Ion Ratio Lower Upper

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# 81

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: 39954

Ion Ratio Lower Upper

79 100

108 79.9 63.9 95.9

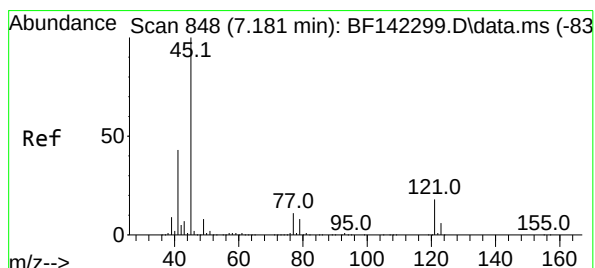
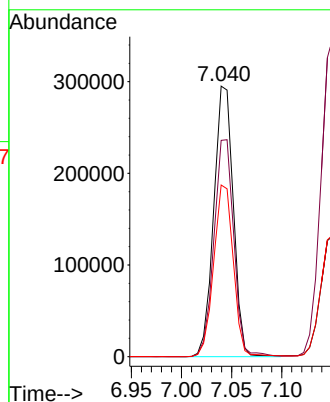
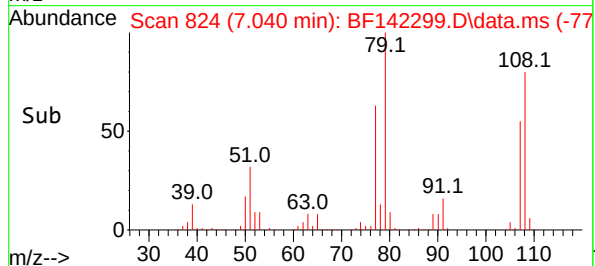
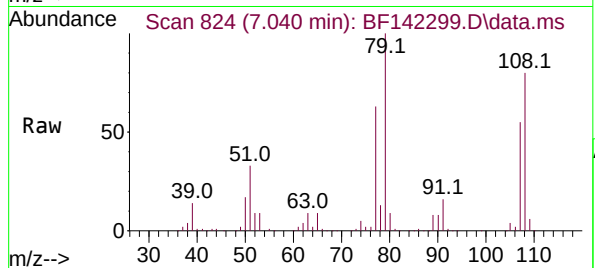
77 63.4 50.7 76.1

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

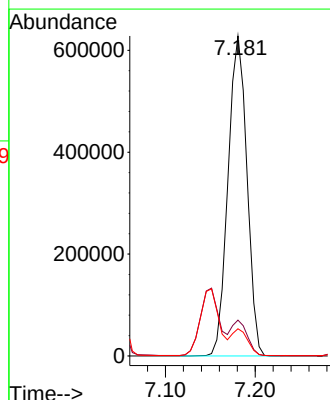
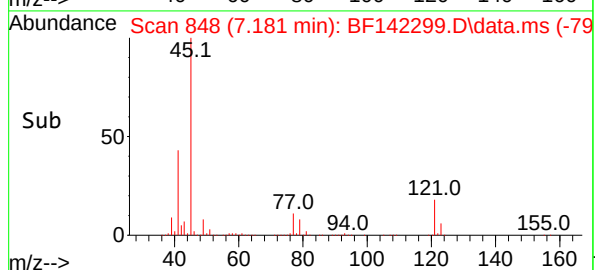
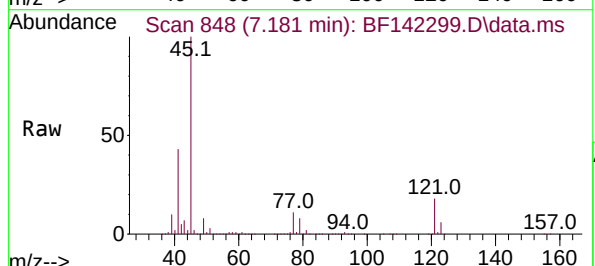
Tgt Ion: 45 Resp: 918775

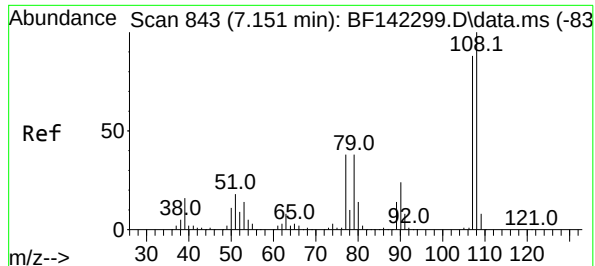
Ion Ratio Lower Upper

45 100

77 11.2 0.0 31.2

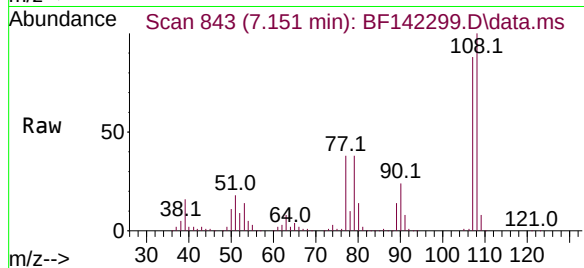
79 8.5 0.0 28.5





#17
2-Methylphenol
Concen: 38.341 ng
RT: 7.151 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

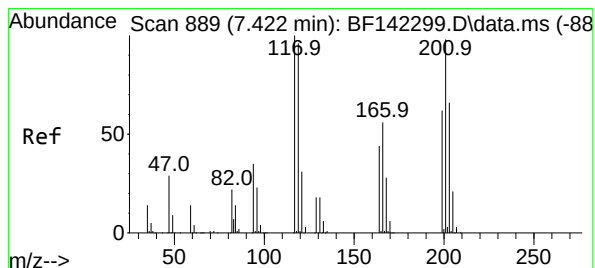
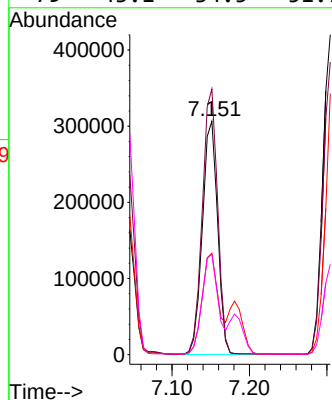
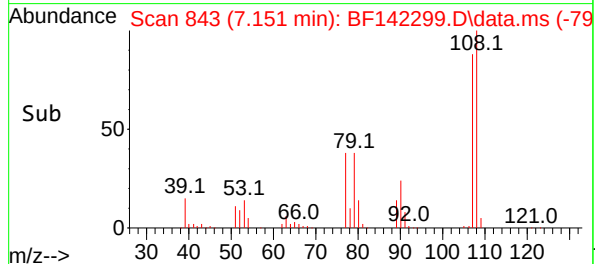
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

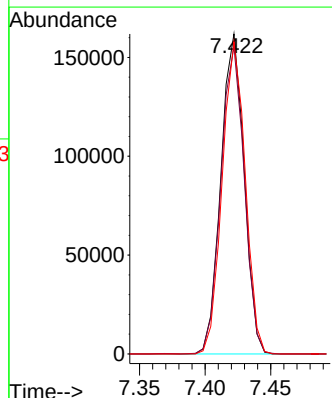
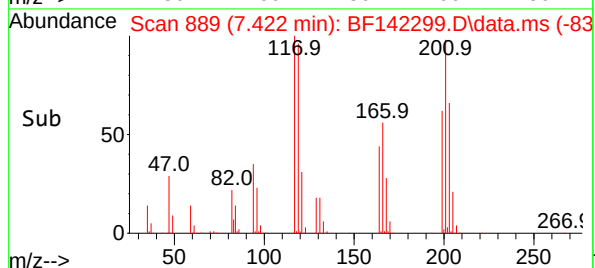
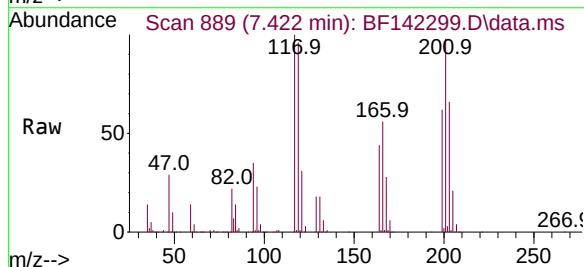
Manual Integrations
APPROVED

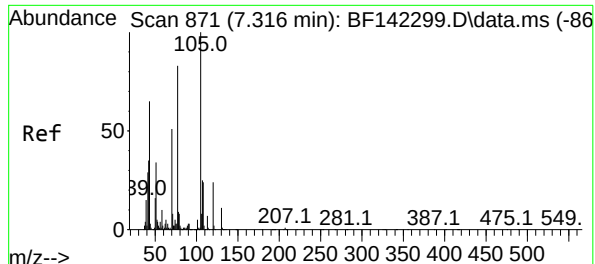
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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# 871

Delta R.T. 0.000 min

Lab File: BF142299.D

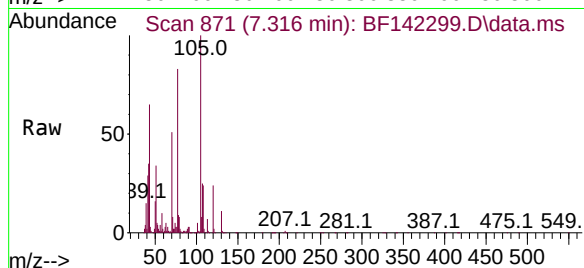
Acq: 05 May 2025 15:50

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

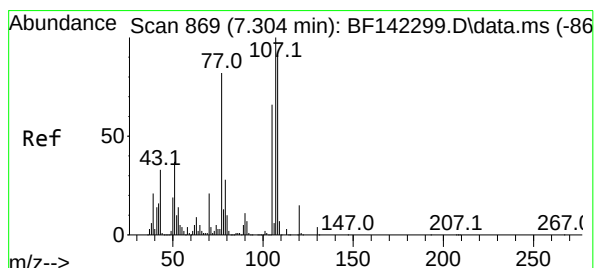
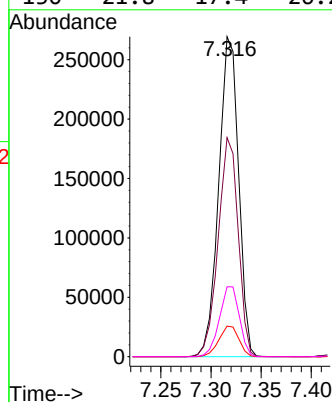
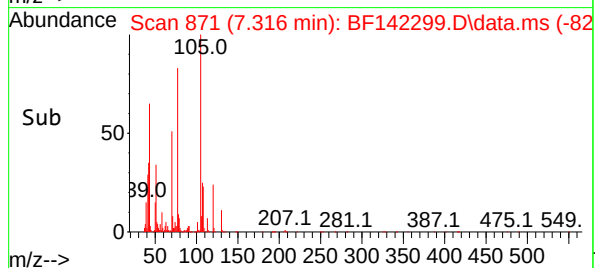
130 21.8 17.4 26.2

Manual Integrations

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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

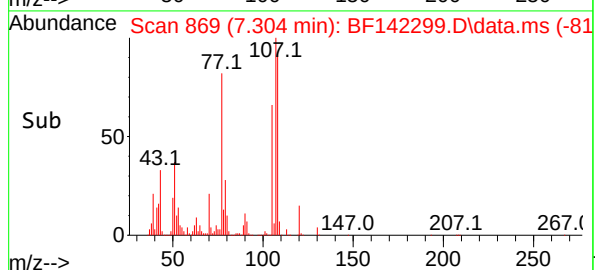
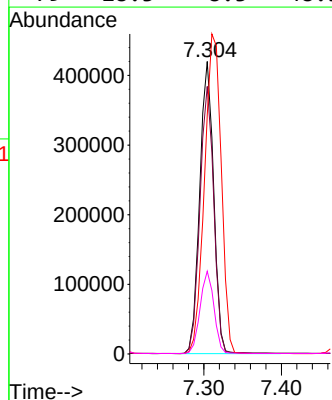
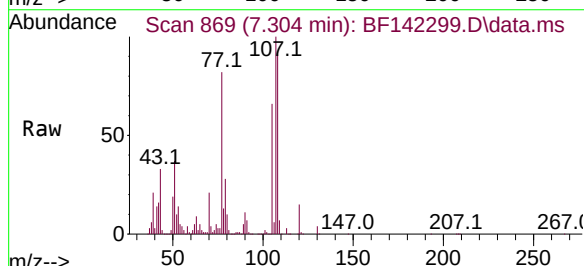
Ion Ratio Lower Upper

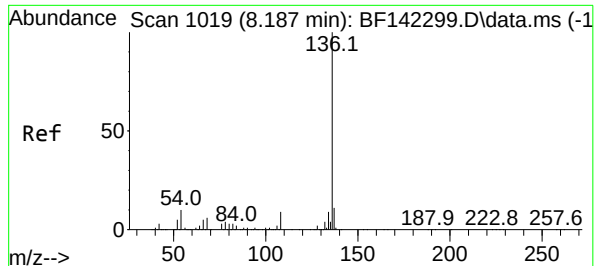
107 100

108 91.5 71.5 111.5

77 81.6 61.6 101.6

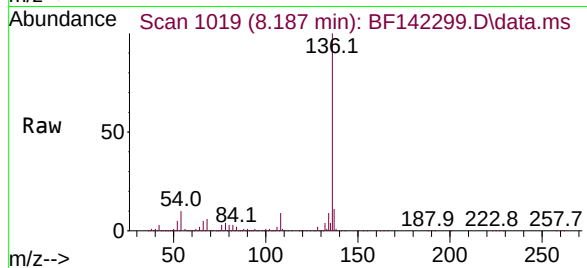
79 28.3 8.3 48.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

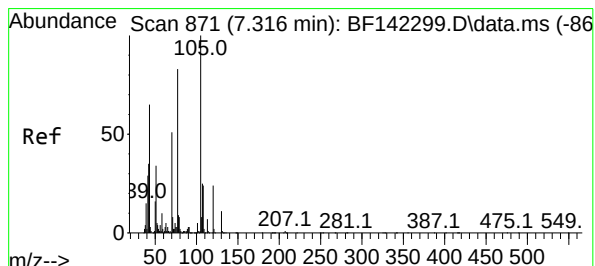
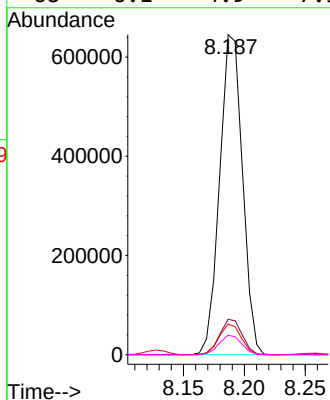
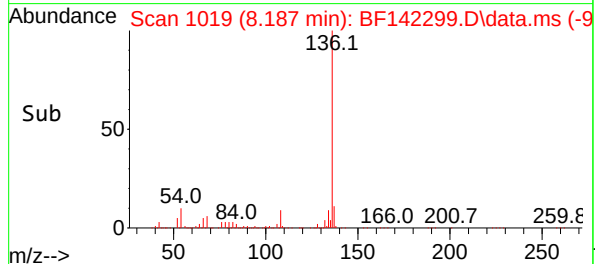
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:136 Resp: 842520
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

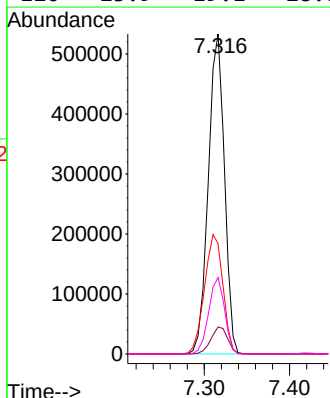
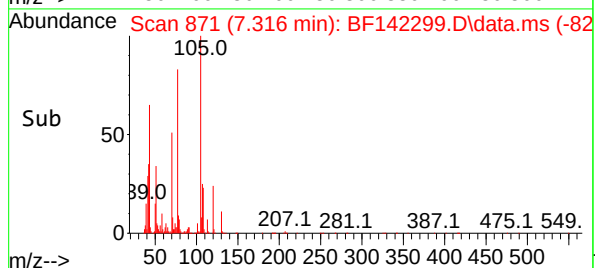
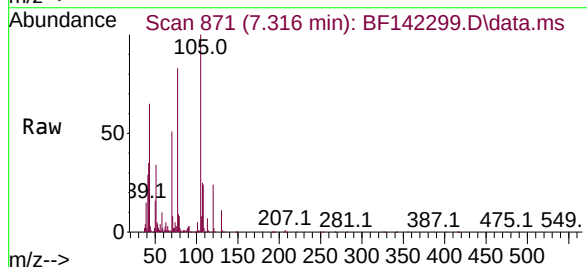
Manual Integrations
APPROVED

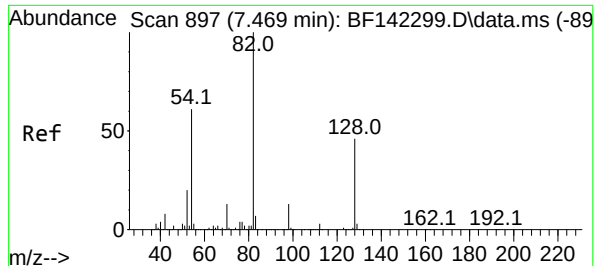
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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# 897

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: 110304

Ion Ratio Lower Upper

82 100

128 46.3 37.0 55.6

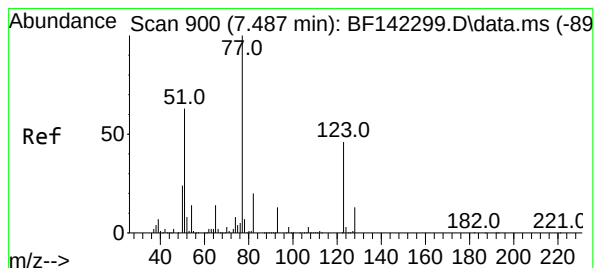
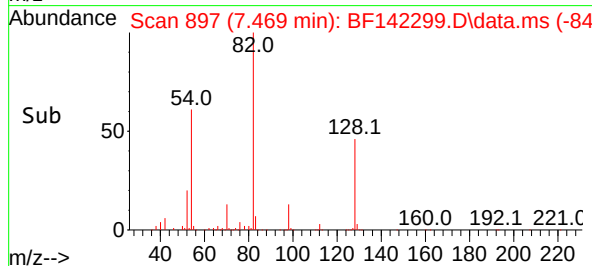
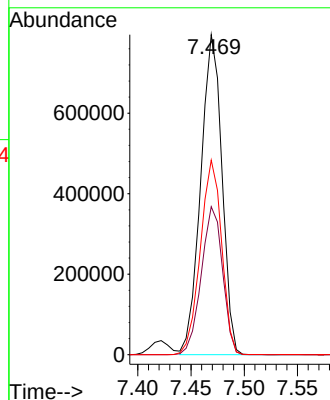
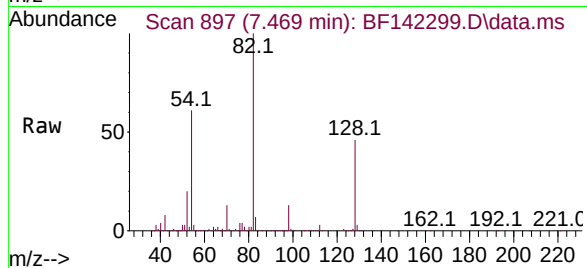
54 60.8 48.6 73.0

Manual Integrations

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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

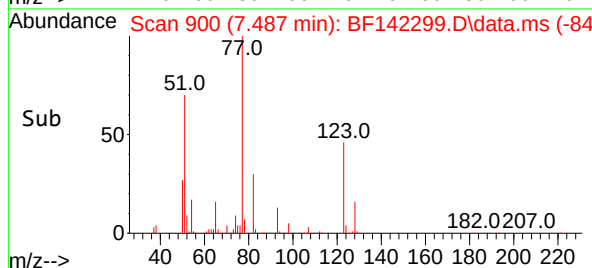
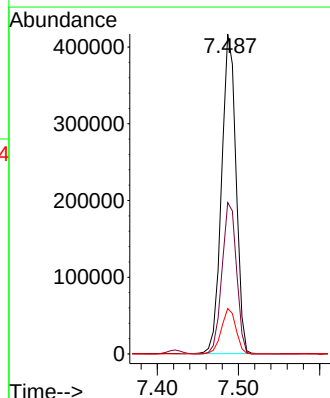
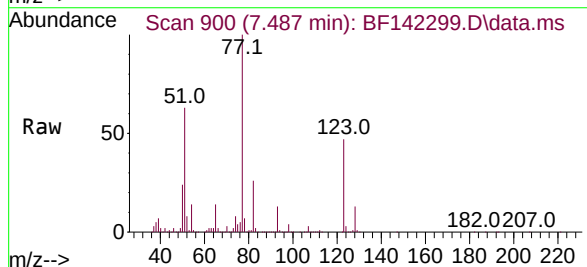
Tgt Ion: 77 Resp: 516127

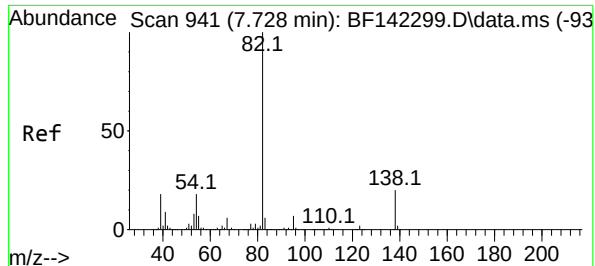
Ion Ratio Lower Upper

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# 941

Delta R.T. 0.000 min

Lab File: BF142299.D

Acq: 05 May 2025 15:50

Instrument :

BNA_F

ClientSampleId :

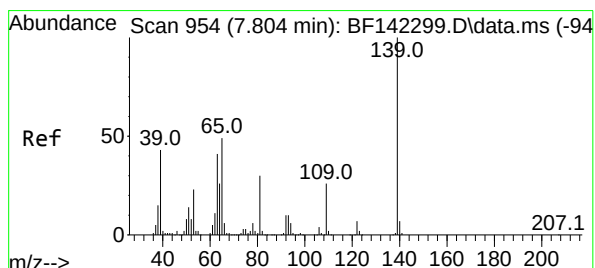
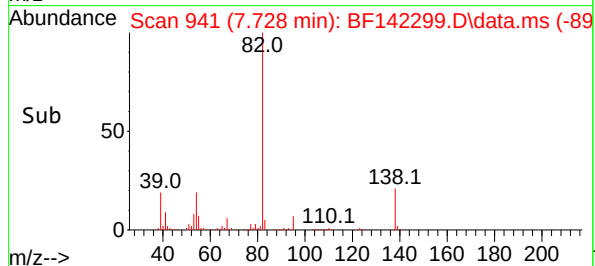
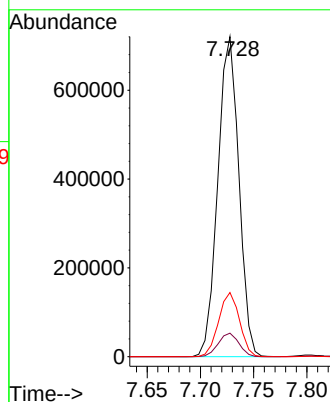
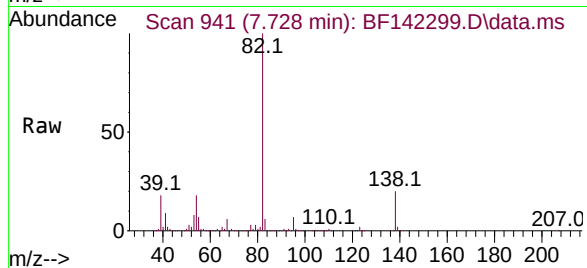
SSTDICCC040

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

Manual Integrations

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



#26

2-Nitrophenol

Concen: 36.469 ng

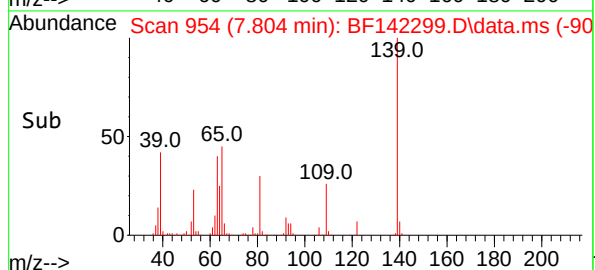
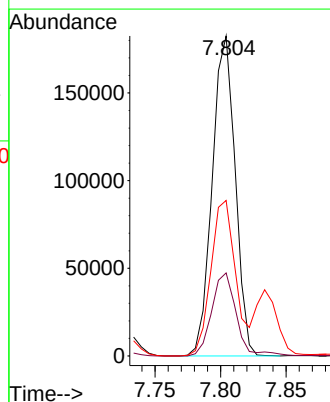
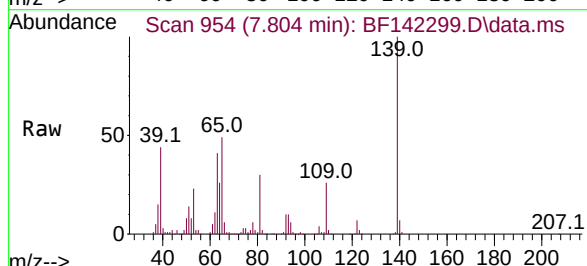
RT: 7.804 min Scan# 954

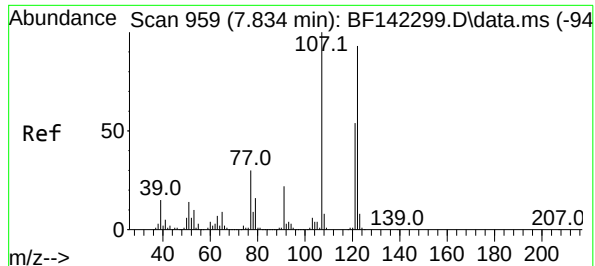
Delta R.T. 0.000 min

Lab File: BF142299.D

Acq: 05 May 2025 15:50

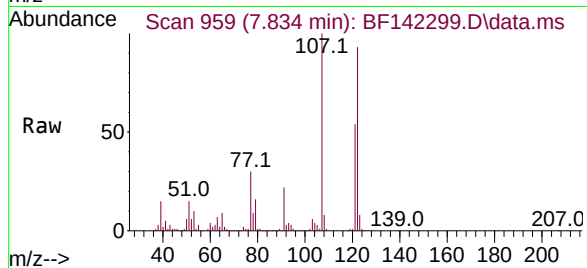
Tgt Ion:	139	Resp:	222173
Ion Ratio	Lower	Upper	
139	100		
109	26.0	20.8	31.2
65	48.6	38.9	58.3





#27
2,4-Dimethylphenol
Concen: 38.139 ng
RT: 7.834 min Scan# 959
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

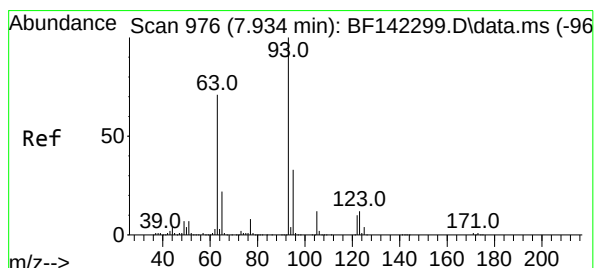
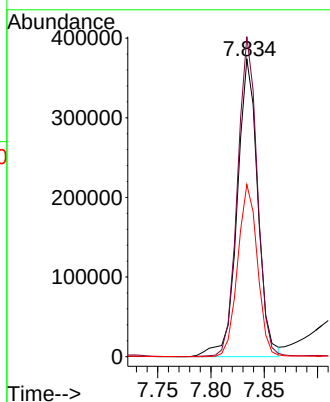
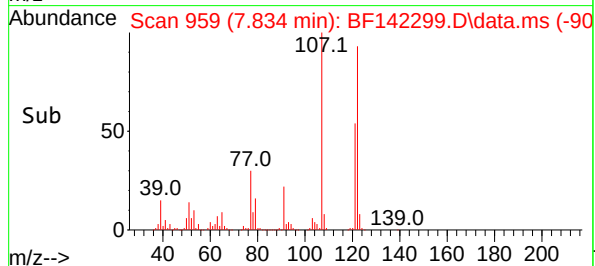
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

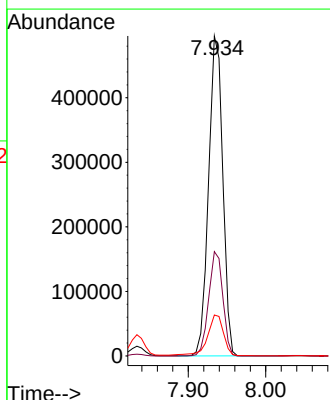
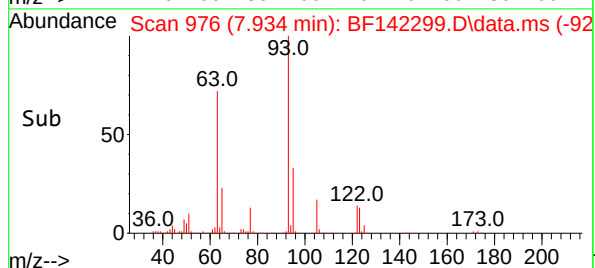
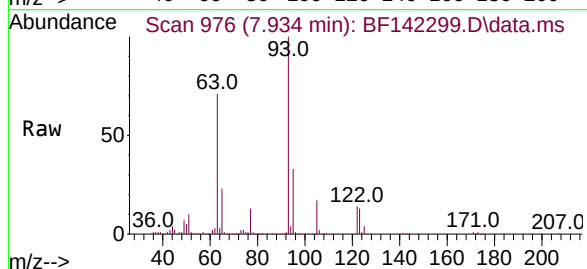
Manual Integrations
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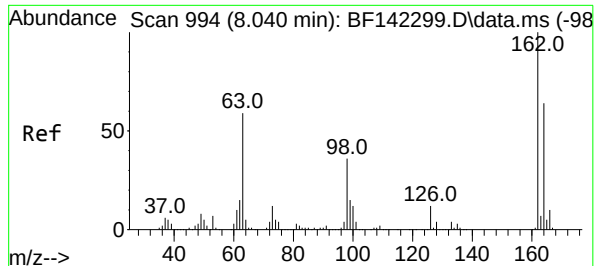
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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# 994

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: 44238

Ion Ratio Lower Upper

162 100

164 63.6 43.6 83.6

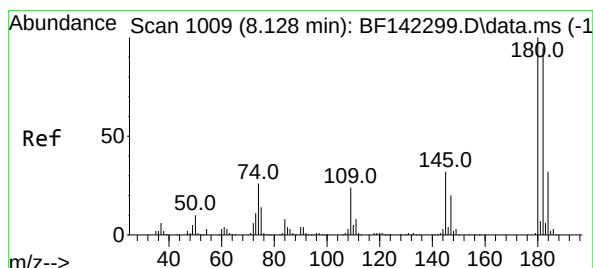
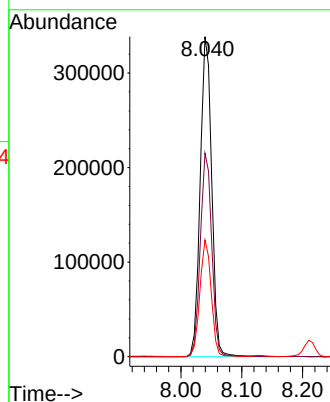
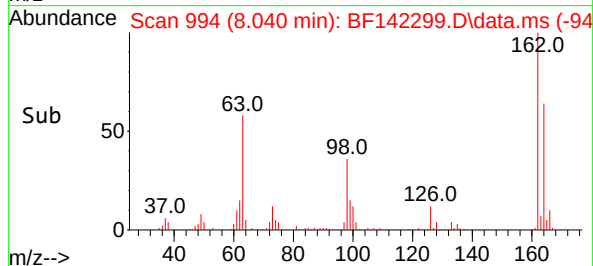
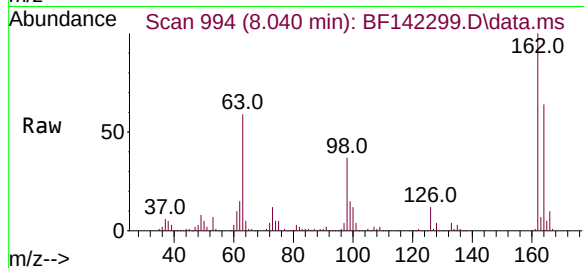
98 36.5 16.5 56.5

Manual Integrations

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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

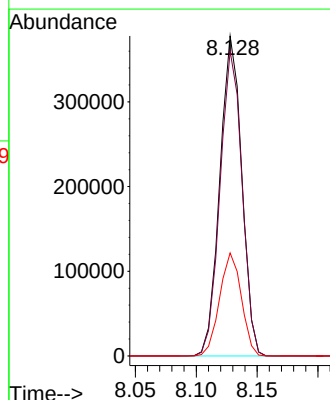
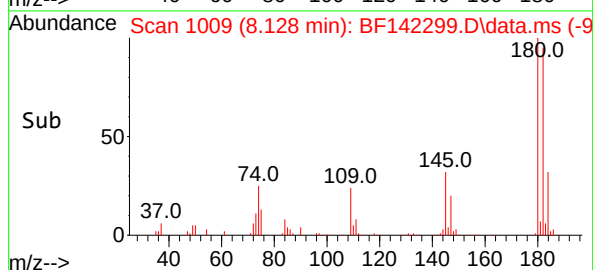
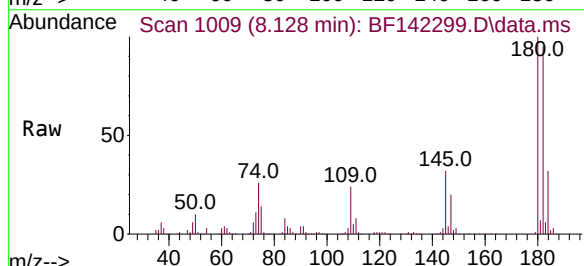
Tgt Ion:180 Resp: 473497

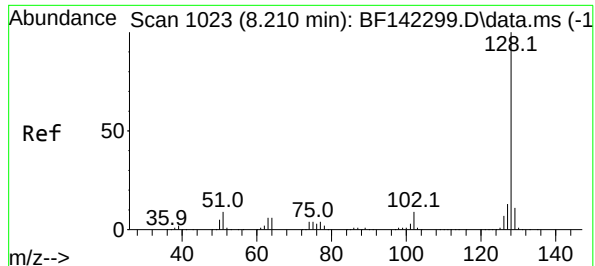
Ion Ratio Lower Upper

180 100

182 95.3 76.2 114.4

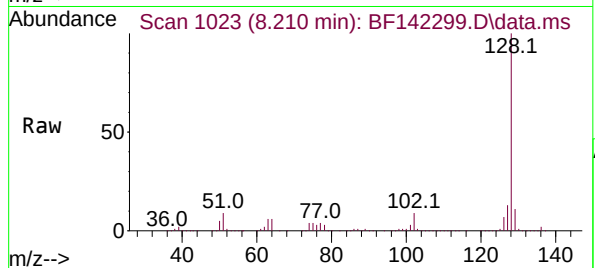
145 32.2 25.8 38.6





#31
Naphthalene
Concen: 37.372 ng
RT: 8.210 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

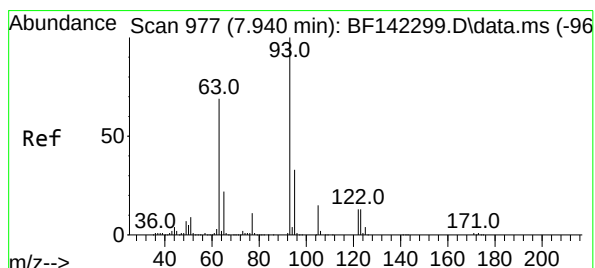
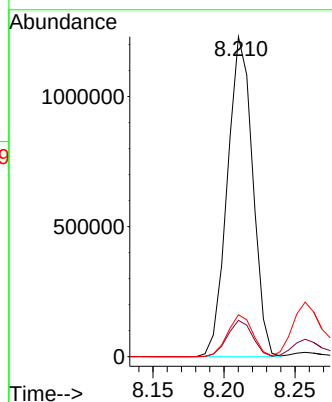
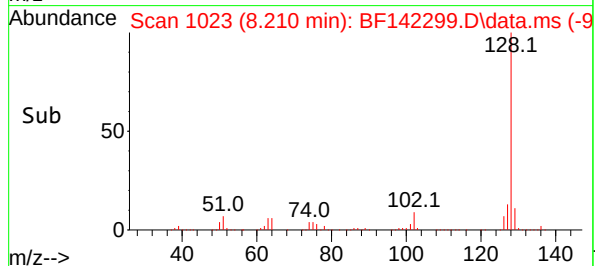
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

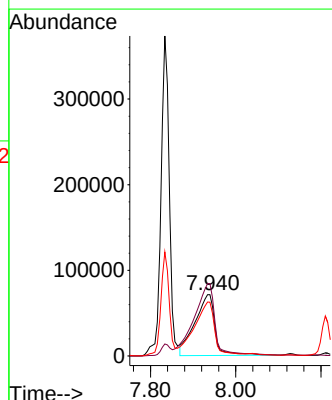
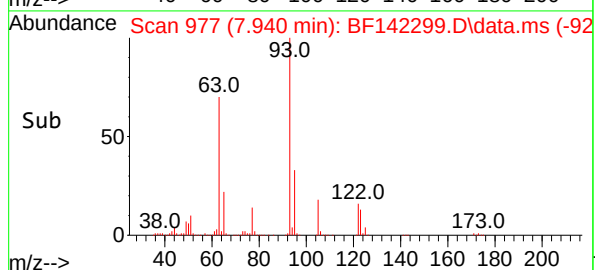
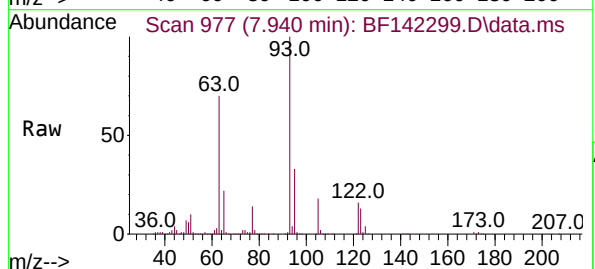
Manual Integrations
APPROVED

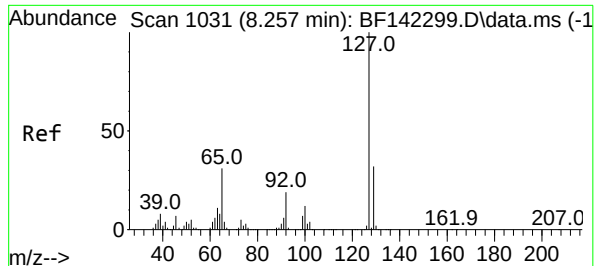
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

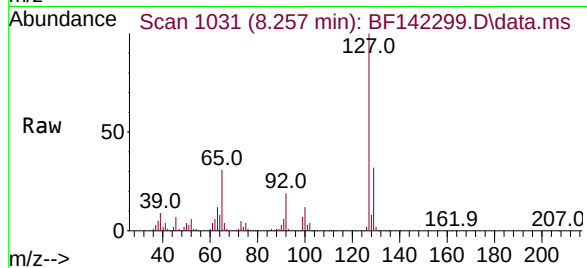
Tgt Ion:122 Resp: 235641
Ion Ratio Lower Upper
122 100
105 117.9 97.9 137.9
77 87.7 67.7 107.7





#33
4-Chloroaniline
Concen: 38.817 ng m
RT: 8.257 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

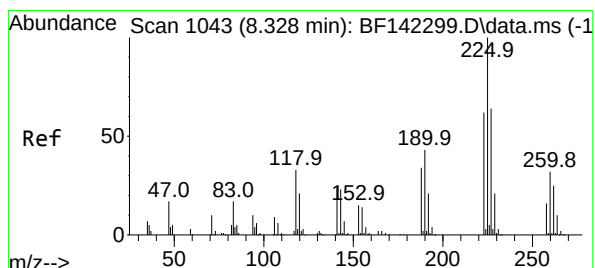
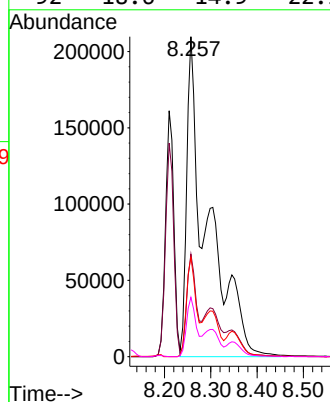
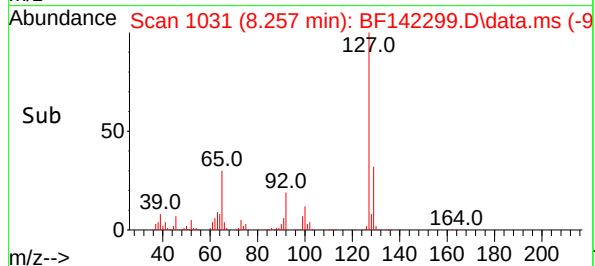
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:127 Resp: 645610
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

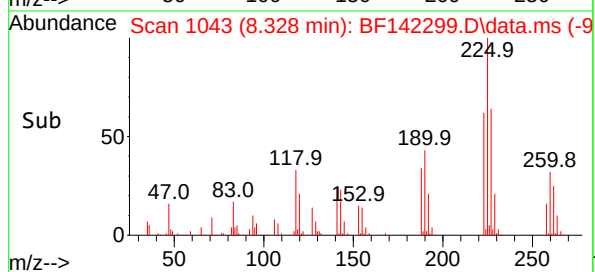
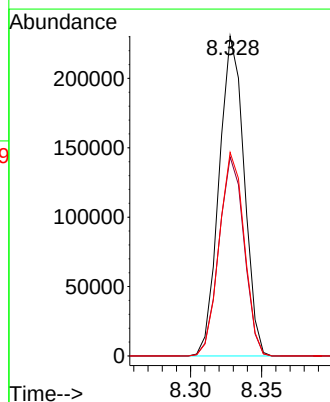
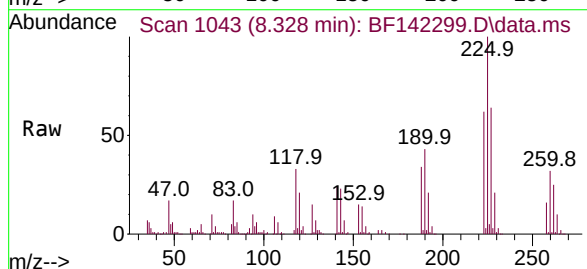
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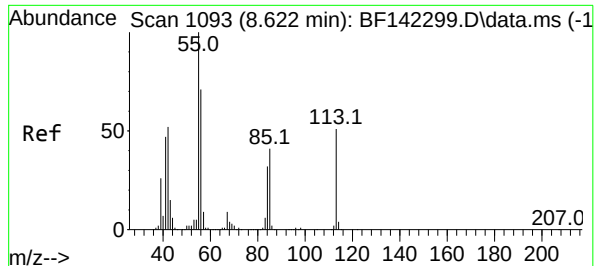
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

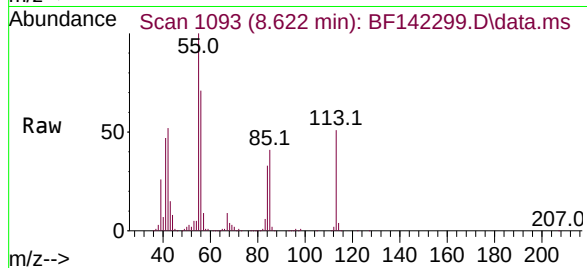
Tgt Ion:225 Resp: 282333
Ion Ratio Lower Upper
225 100
223 62.2 49.8 74.6
227 63.6 50.9 76.3





#35
Caprolactam
Concen: 40.850 ng
RT: 8.622 min Scan# 1093
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

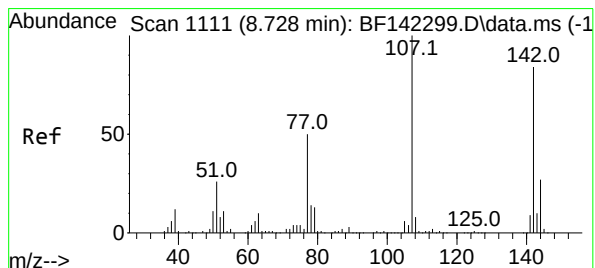
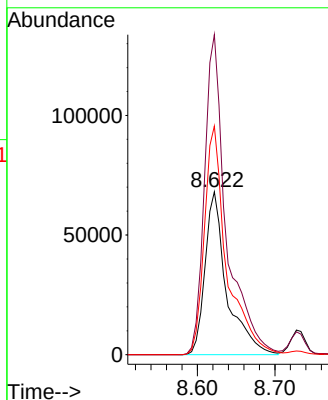
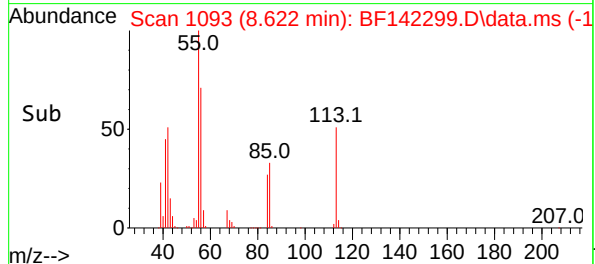
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:113 Resp: 132840
Ion Ratio Lower Upper
113 100
55 196.4 176.4 216.4
56 140.3 120.3 160.3

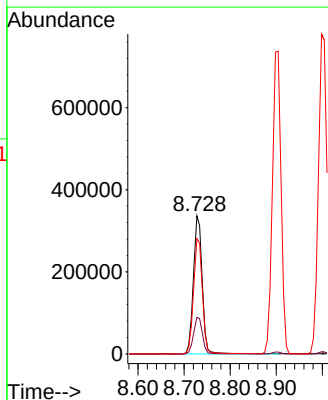
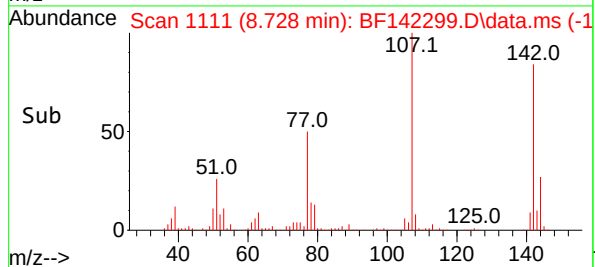
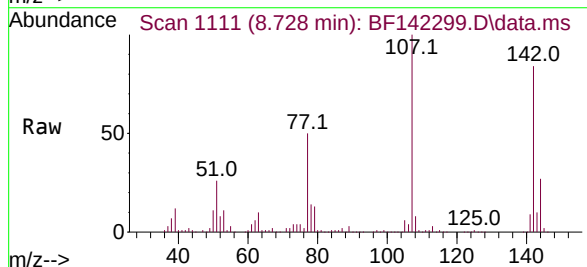
Manual Integrations
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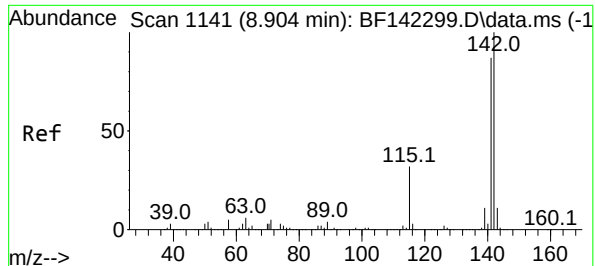
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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# 1141

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

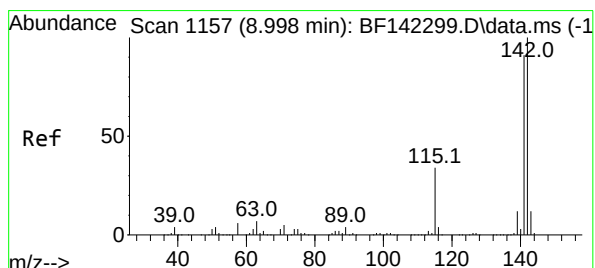
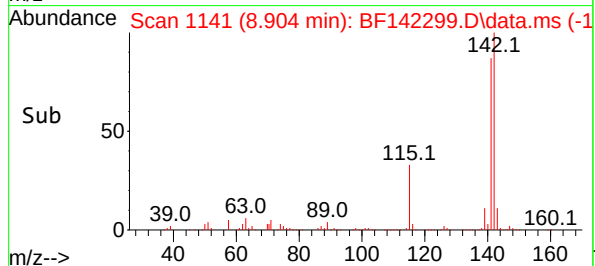
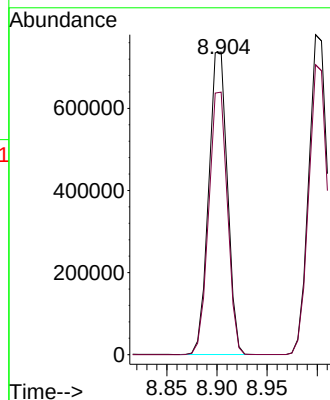
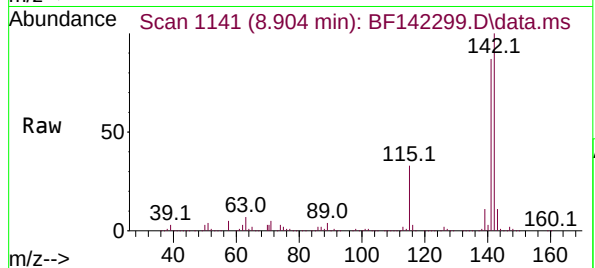
141 86.8 69.4 104.2

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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

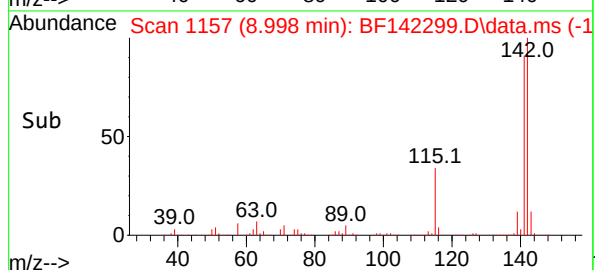
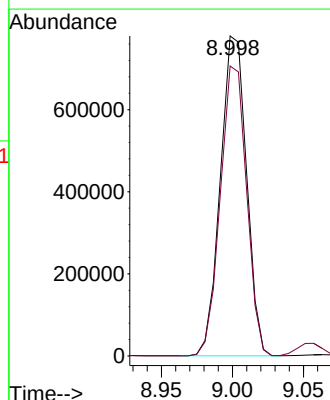
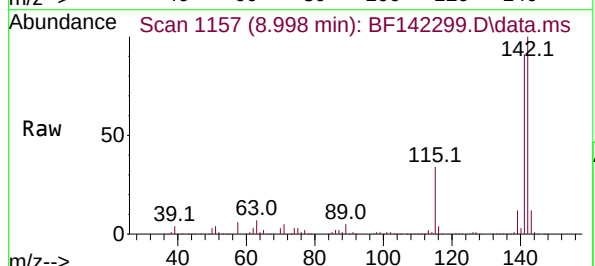
Acq: 05 May 2025 15:50

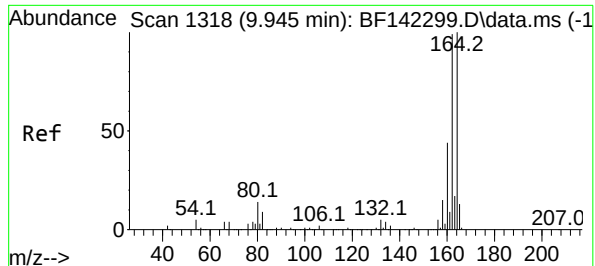
Tgt Ion:142 Resp: 1000206

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# 11

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: 45382

Ion Ratio Lower Upper

164 100

162 99.0 79.2 118.8

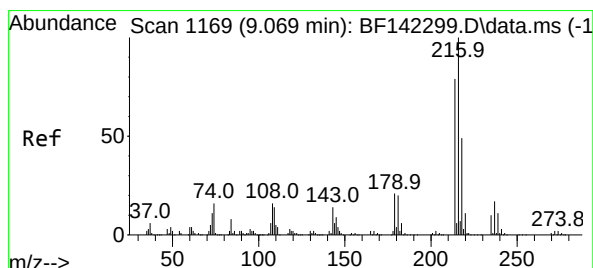
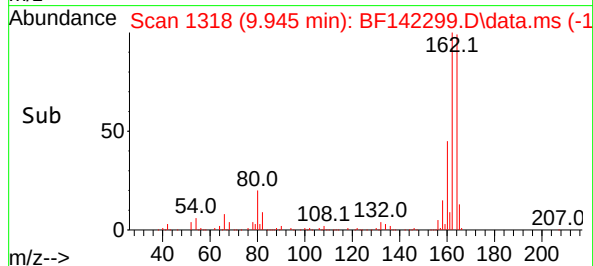
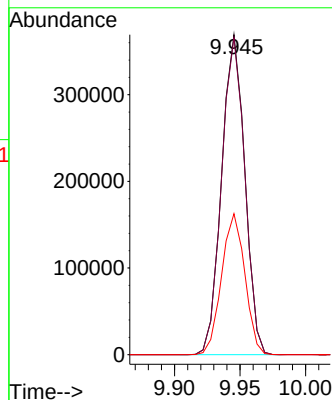
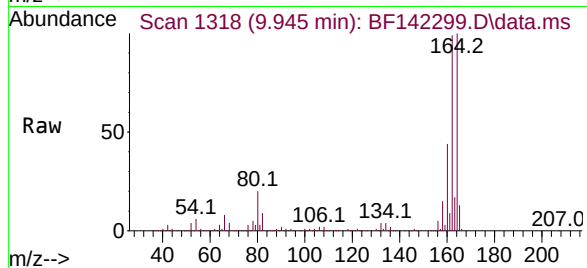
160 44.1 35.3 52.9

Manual Integrations

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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

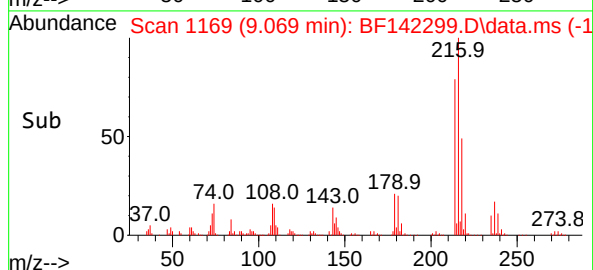
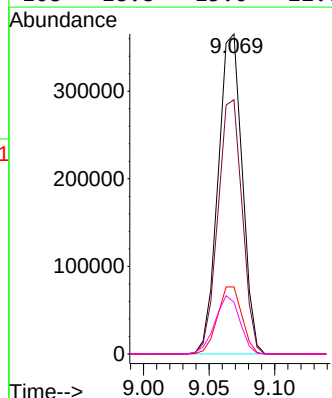
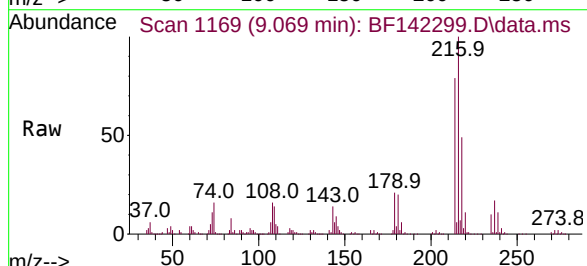
Ion Ratio Lower Upper

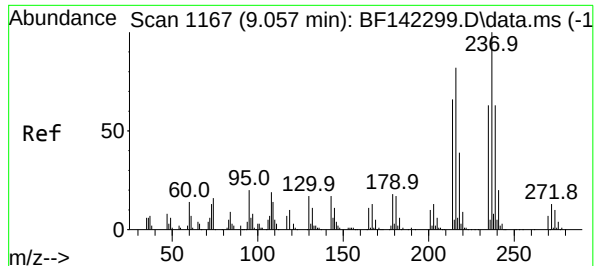
216 100

214 79.7 63.8 95.6

179 21.3 17.0 25.6

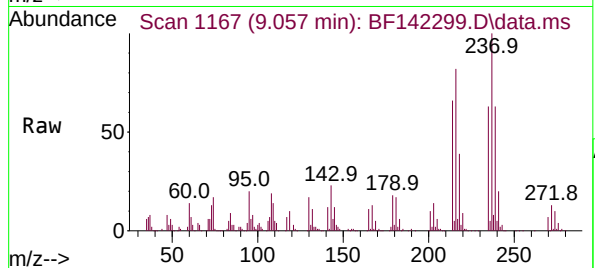
108 18.8 15.0 22.6





#41
Hexachlorocyclopentadiene
Concen: 39.785 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

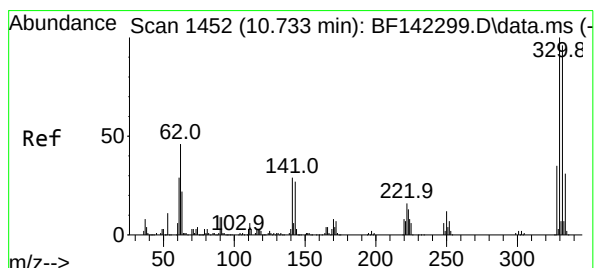
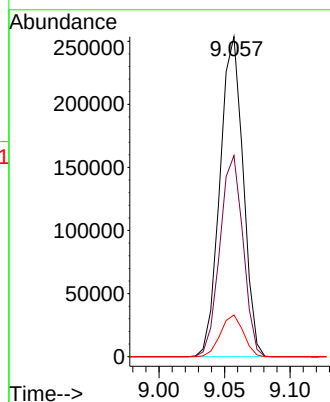
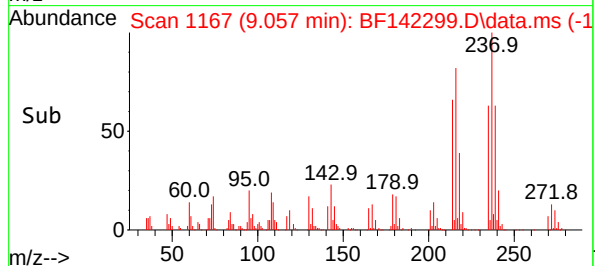
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

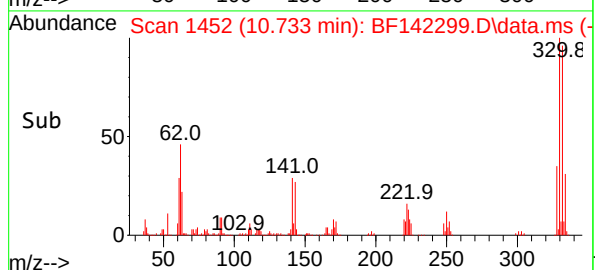
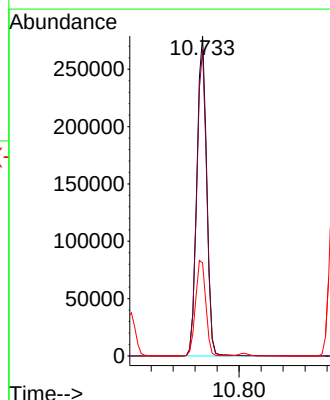
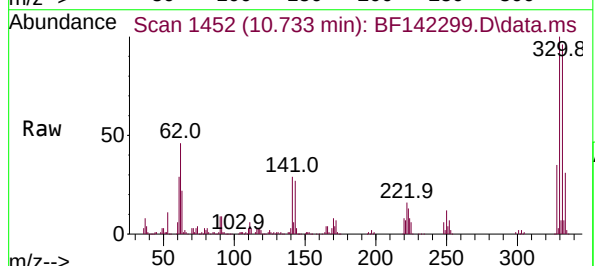
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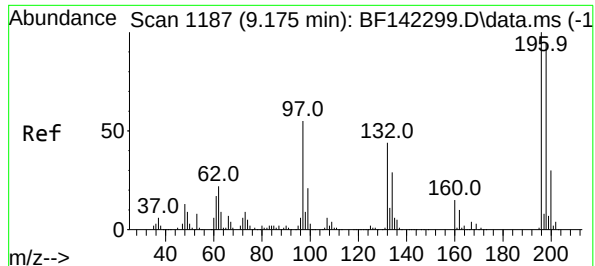
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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# 1187

Delta R.T. 0.000 min

Lab File: BF142299.D

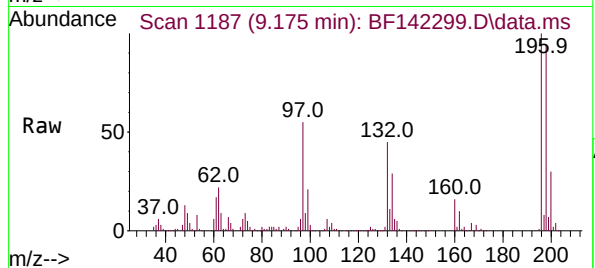
Acq: 05 May 2025 15:50

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040



Tgt Ion:196 Resp: 318860

Ion Ratio Lower Upper

196 100

198 94.2 75.4 113.0

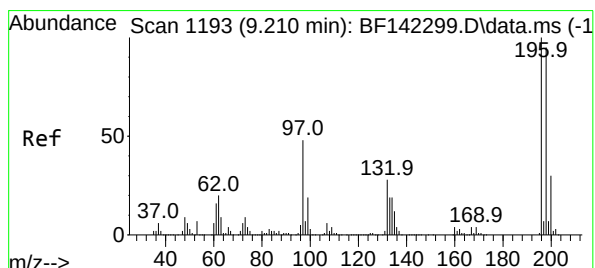
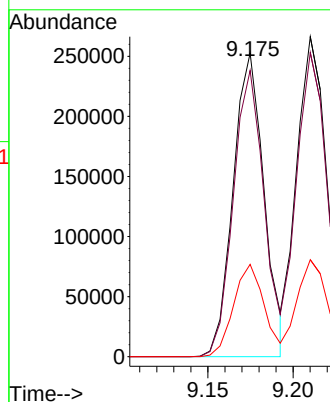
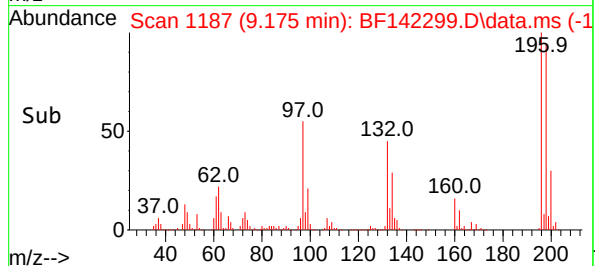
200 30.4 24.3 36.5

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Reviewed By :Rahul Chavli 05/06/2025

Supervised By :Jagrut Upadhyay 05/06/2025



#44

2,4,5-Trichlorophenol

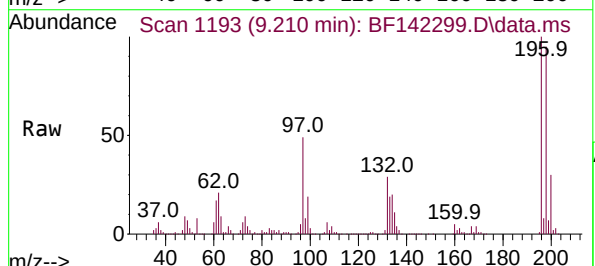
Concen: 38.680 ng

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

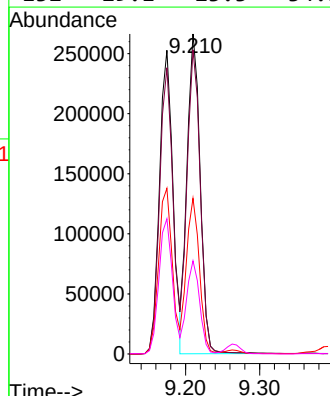
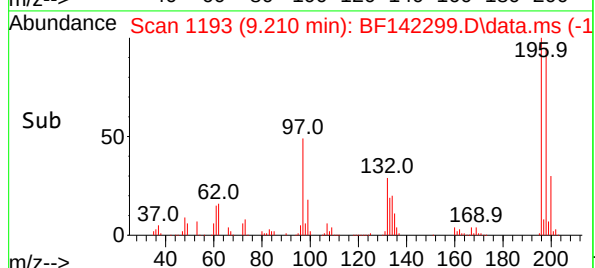
Ion Ratio Lower Upper

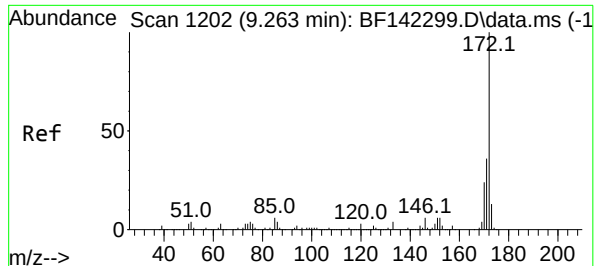
196 100

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# 1202

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

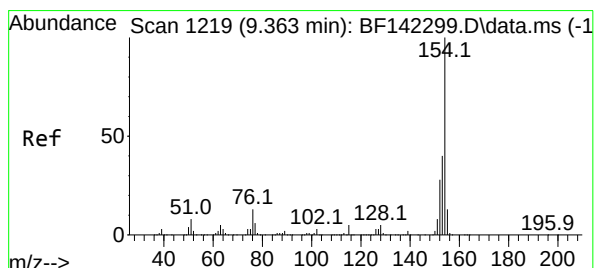
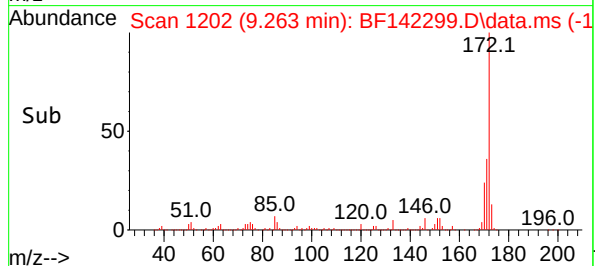
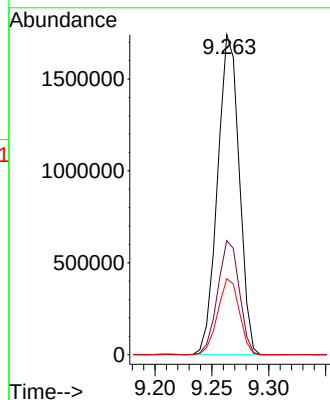
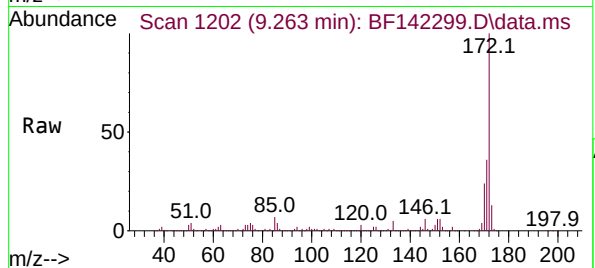
170 23.7 19.0 28.4

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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

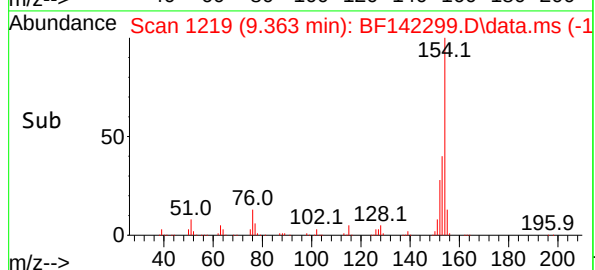
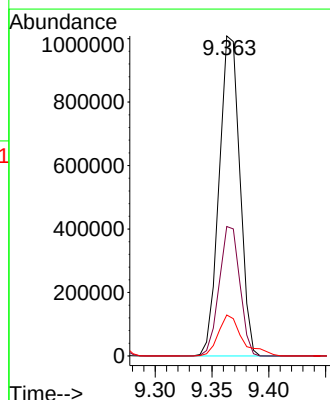
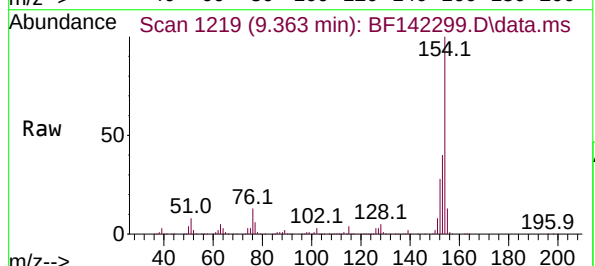
Tgt Ion:154 Resp: 1280889

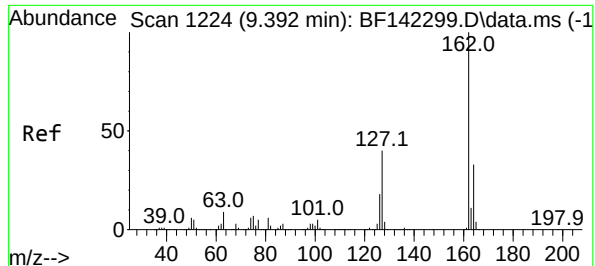
Ion Ratio Lower Upper

154 100

153 40.5 20.5 60.5

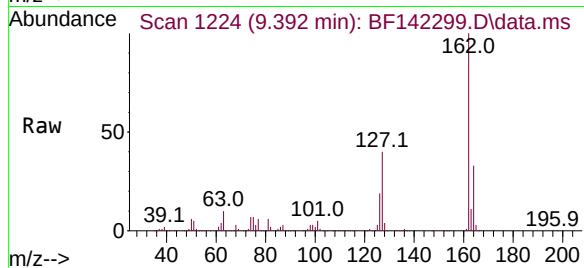
76 12.8 0.0 32.8





#47
2-Chloronaphthalene
Concen: 37.093 ng
RT: 9.392 min Scan# 1224
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

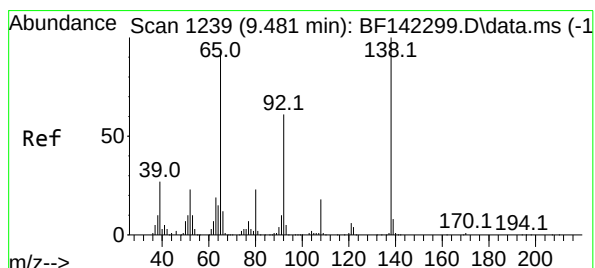
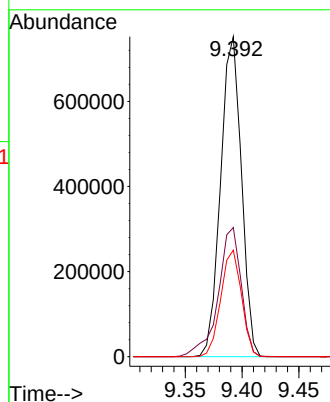
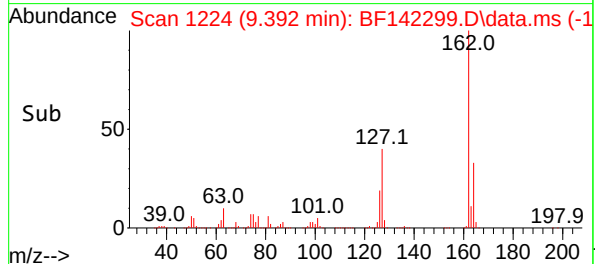
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

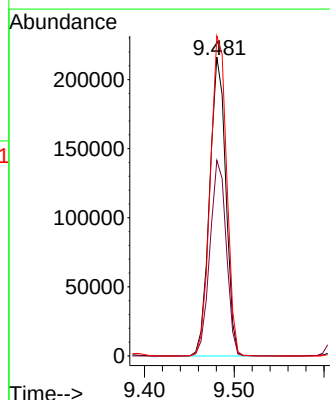
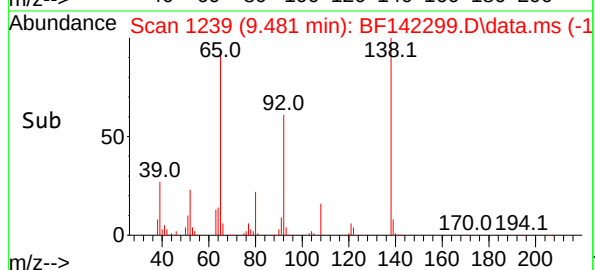
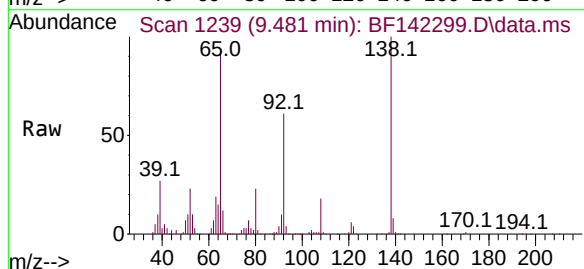
Manual Integrations
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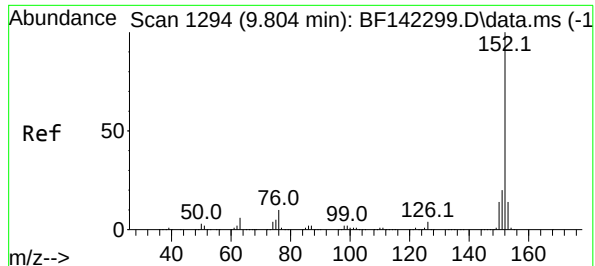
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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# 1294

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: 161806

Ion Ratio Lower Upper

152 100

151 20.0 16.0 24.0

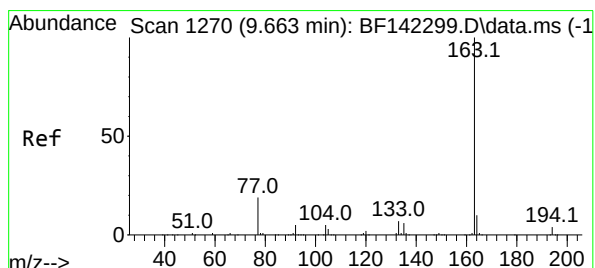
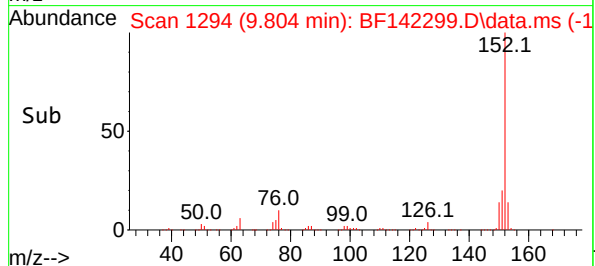
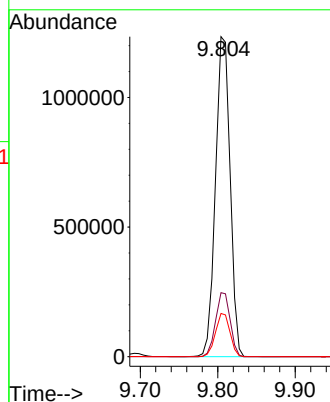
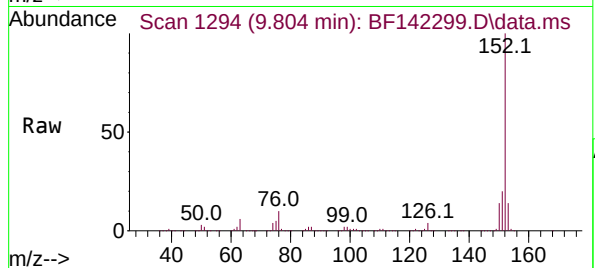
153 13.5 10.8 16.2

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

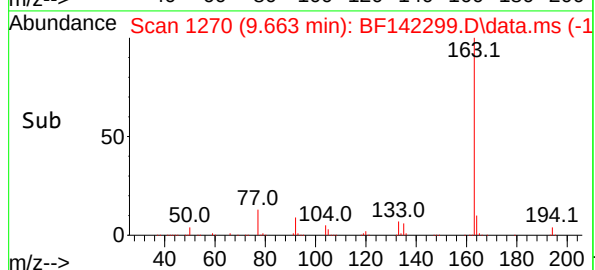
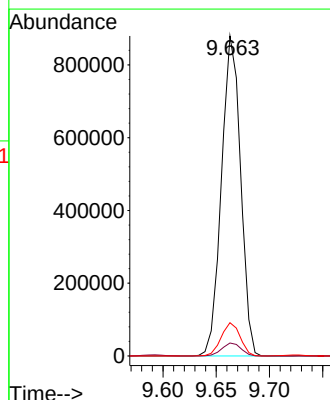
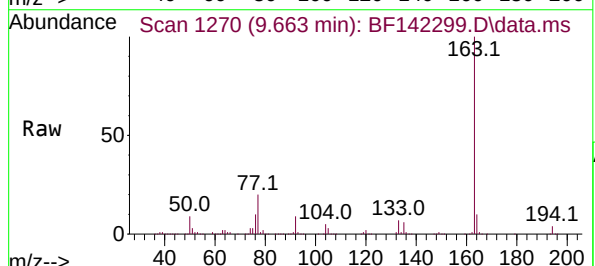
Tgt Ion:163 Resp: 1097900

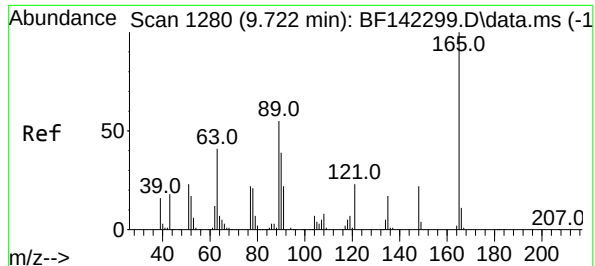
Ion Ratio Lower Upper

163 100

194 4.0 3.2 4.8

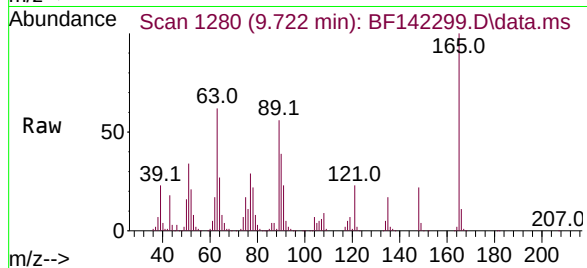
164 10.4 8.3 12.5





#51
2,6-Dinitrotoluene
Concen: 40.792 ng
RT: 9.722 min Scan# 1280
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

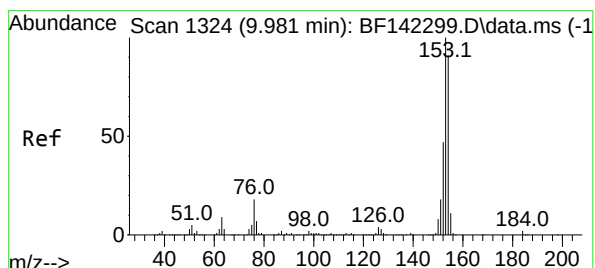
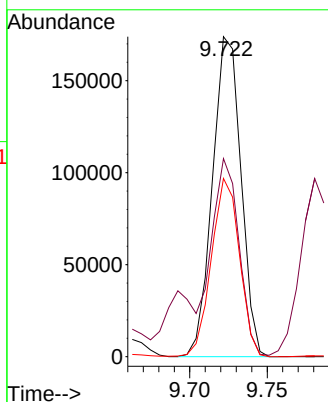
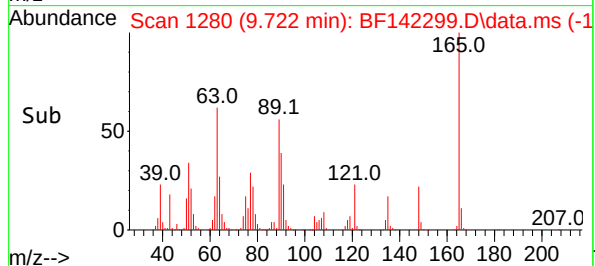
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

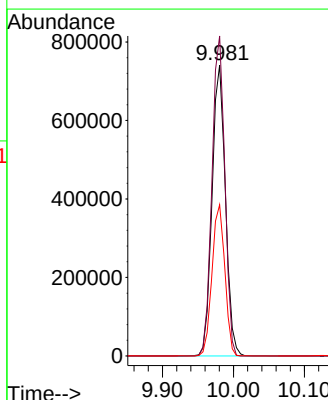
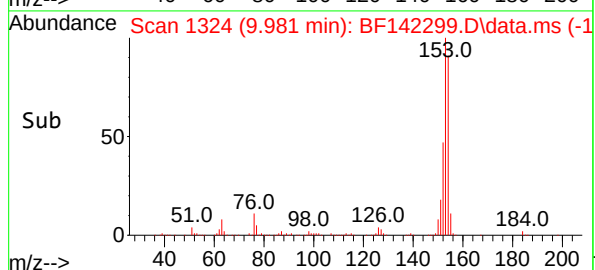
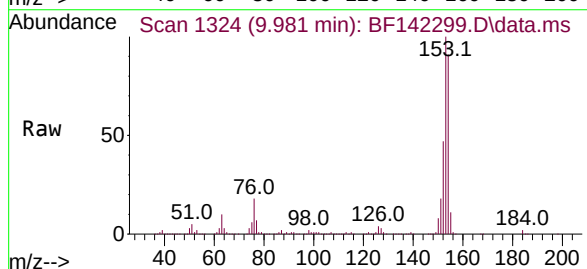
Manual Integrations
APPROVED

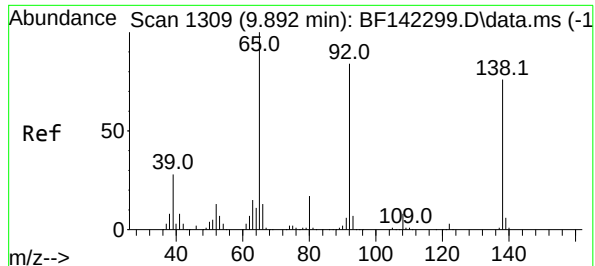
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

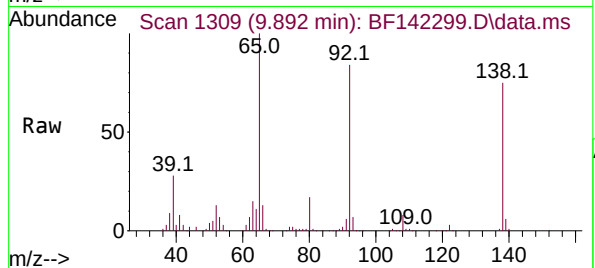
Tgt Ion:154 Resp: 967532
Ion Ratio Lower Upper
154 100
153 110.0 88.0 132.0
152 52.0 41.6 62.4





#53
3-Nitroaniline
Concen: 40.600 ng
RT: 9.892 min Scan# 1309
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

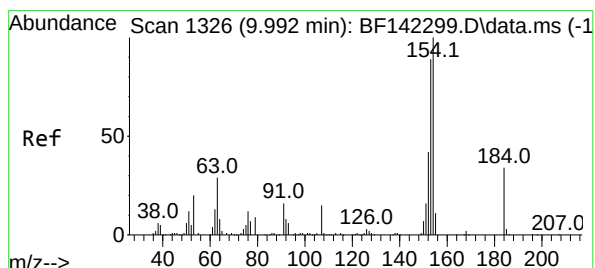
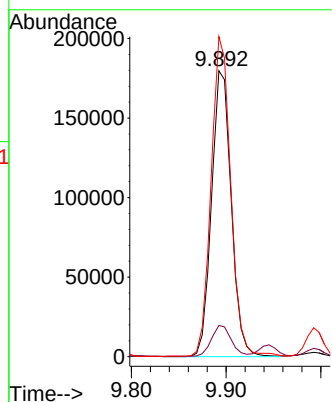
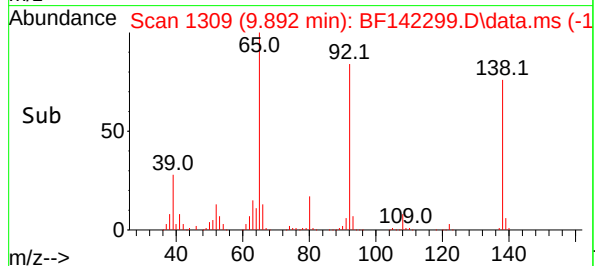
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

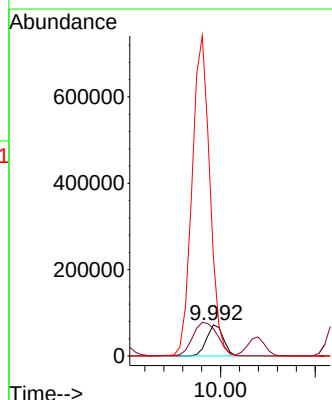
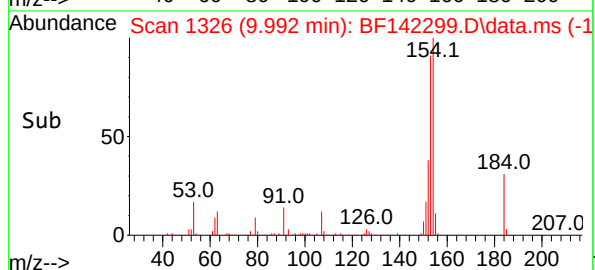
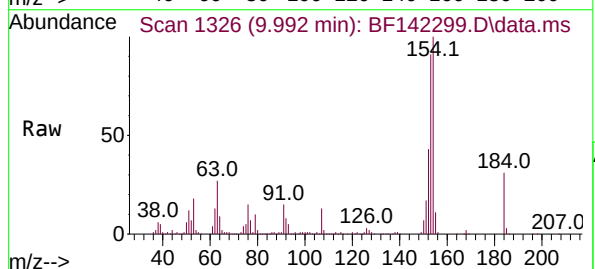
Manual Integrations
APPROVED

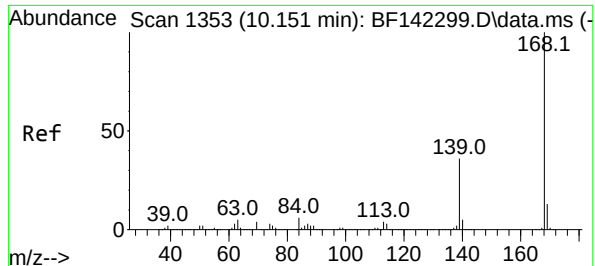
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

Dibenzenofuran

Concen: 36.745 ng

RT: 10.151 min Scan# 1353

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

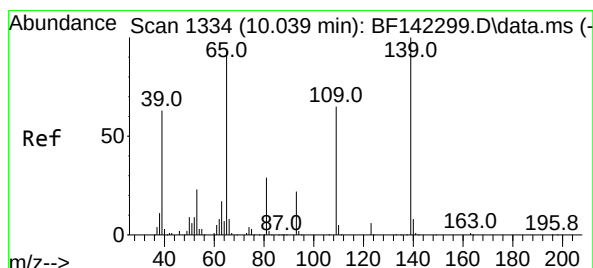
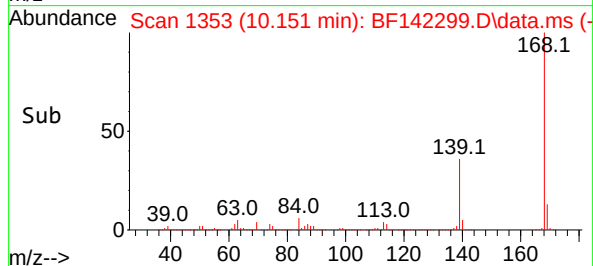
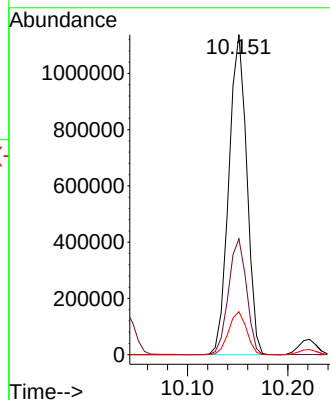
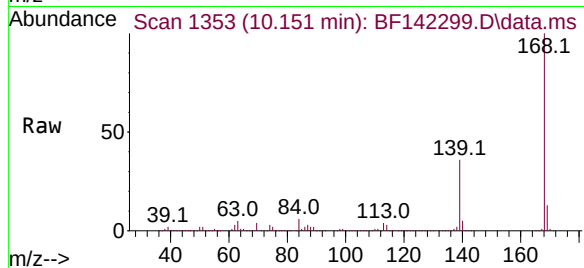
169 13.4 10.7 16.1

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

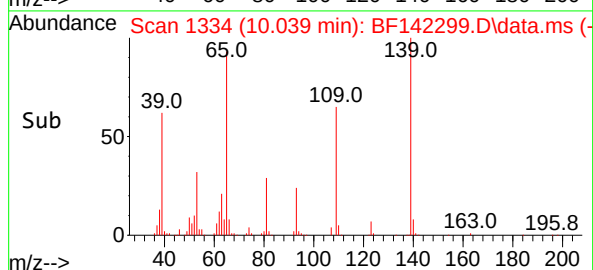
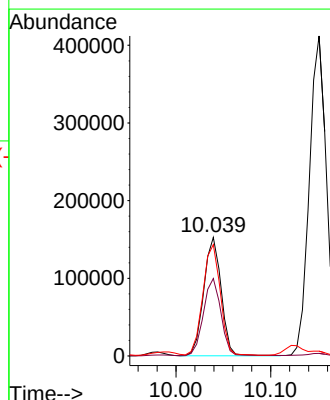
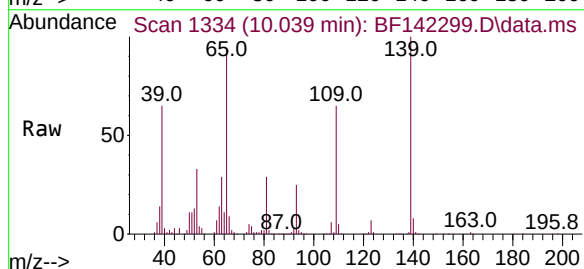
Tgt Ion:139 Resp: 194419

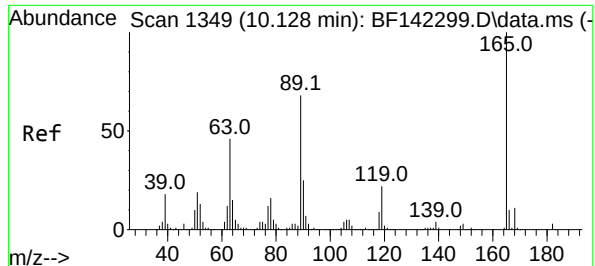
Ion Ratio Lower Upper

139 100

109 65.3 45.3 85.3

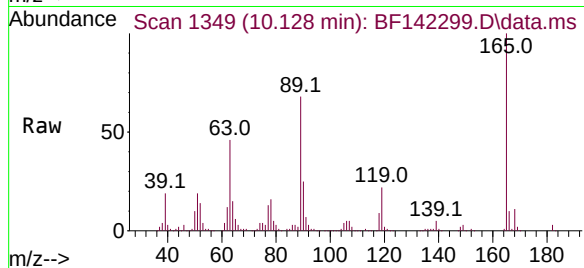
65 93.9 73.9 113.9





#57
2,4-Dinitrotoluene
Concen: 41.281 ng
RT: 10.128 min Scan# 1349
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

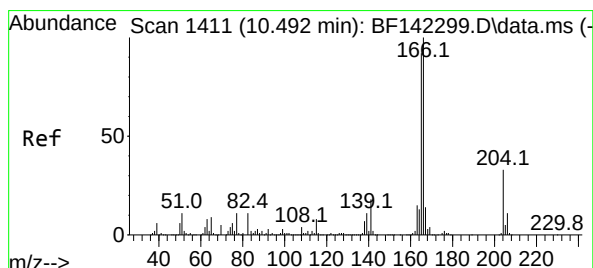
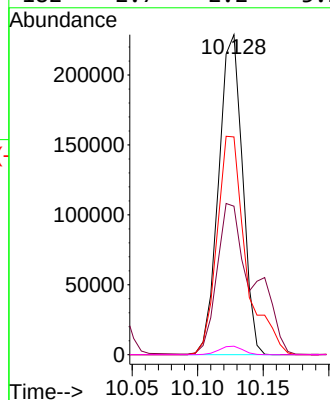
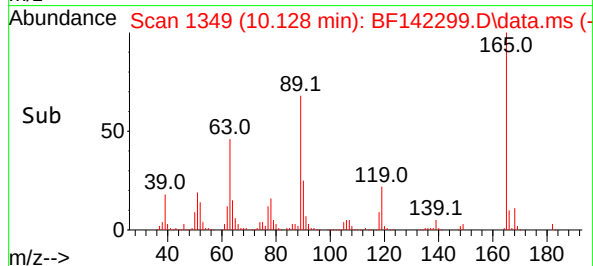
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



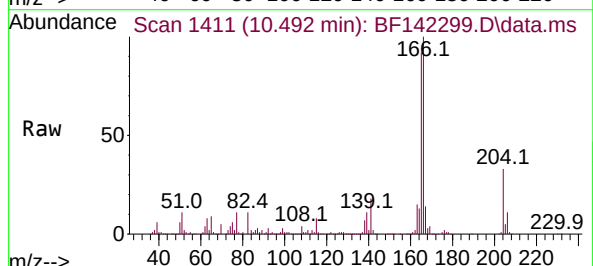
Tgt Ion:165 Resp: 288830
Ion Ratio Lower Upper
165 100
63 46.4 37.1 55.7
89 68.0 54.4 81.6
182 2.7 2.2 3.2

Manual Integrations
APPROVED

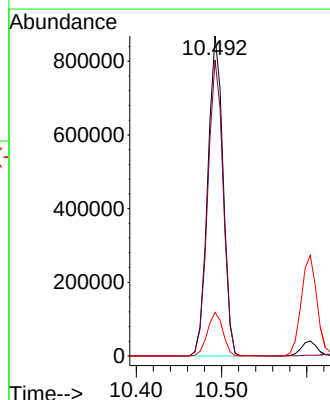
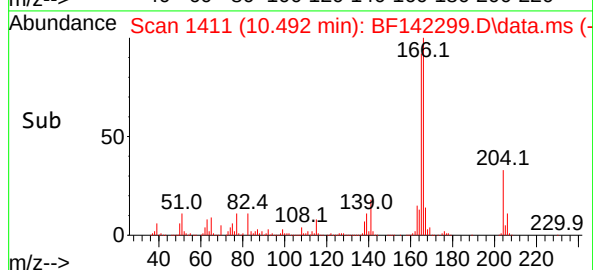
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

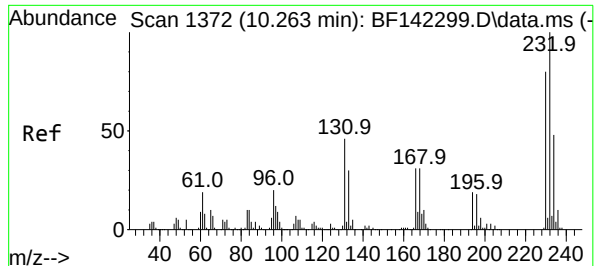


#58
Fluorene
Concen: 36.984 ng
RT: 10.492 min Scan# 1411
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50



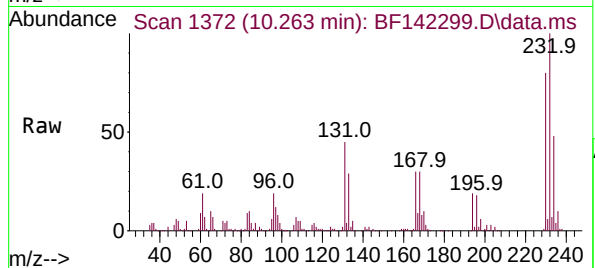
Tgt Ion:166 Resp: 1084214
Ion Ratio Lower Upper
166 100
165 92.5 74.0 111.0
167 13.6 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 39.451 ng
RT: 10.263 min Scan# 1372
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

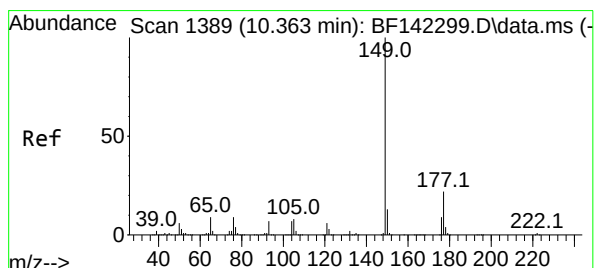
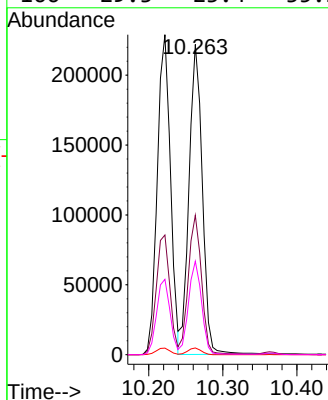
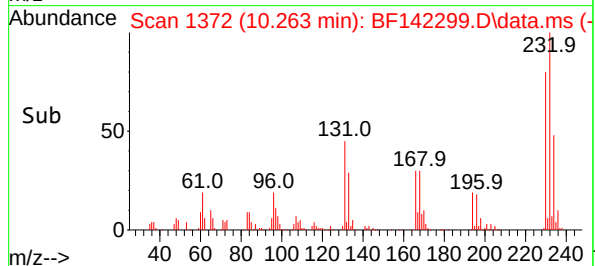
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:232 Resp: 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

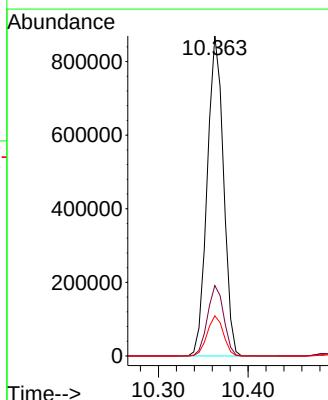
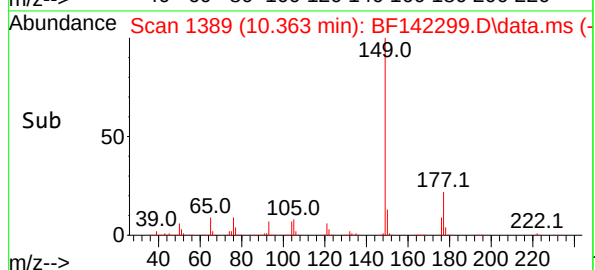
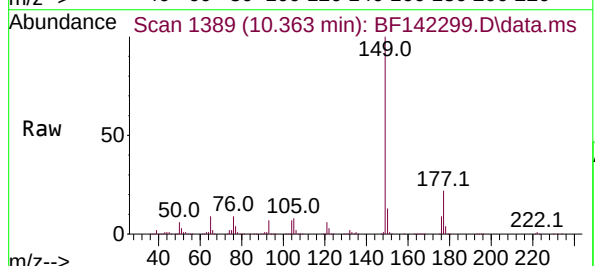
Manual Integrations
APPROVED

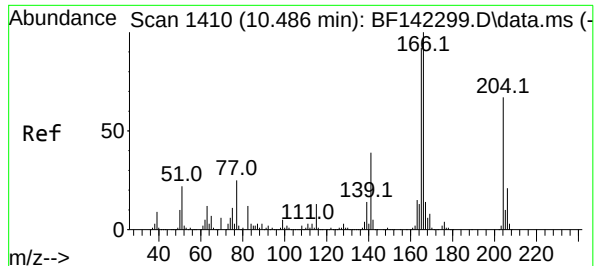
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

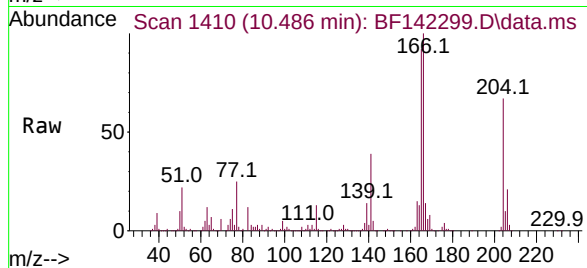
Tgt Ion:149 Resp: 1095399
Ion Ratio Lower Upper
149 100
177 22.0 17.6 26.4
150 12.6 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 37.028 ng
RT: 10.486 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

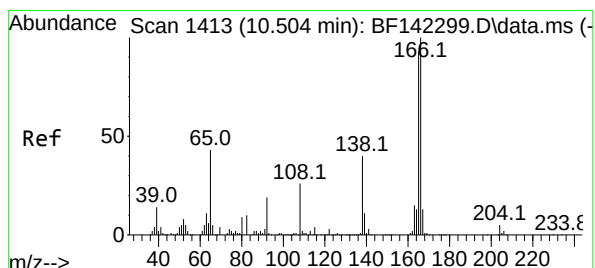
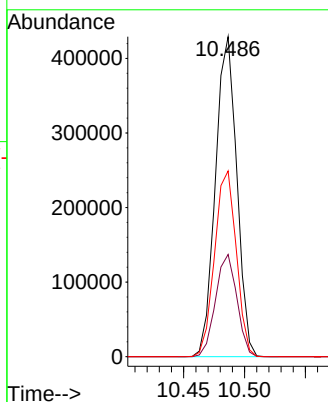
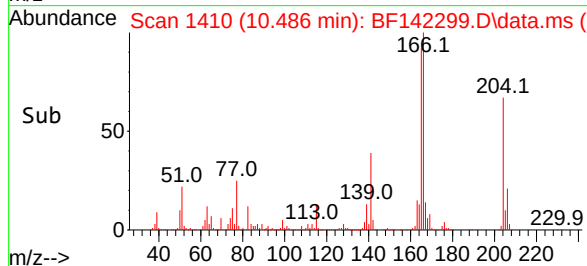
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



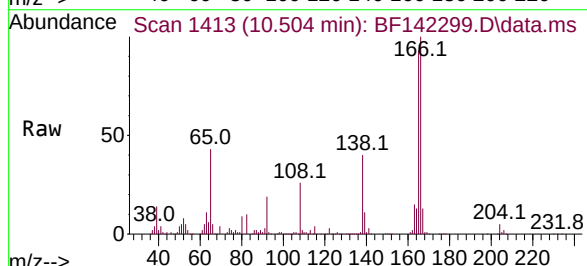
Tgt Ion:204 Resp: 523719
Ion Ratio Lower Upper
204 100
206 31.9 25.5 38.3
141 58.0 46.4 69.6

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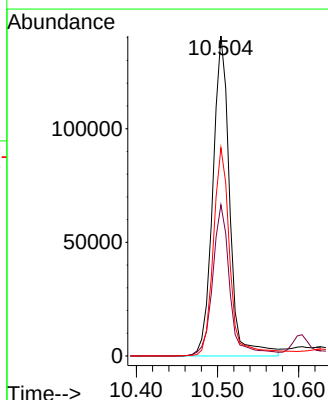
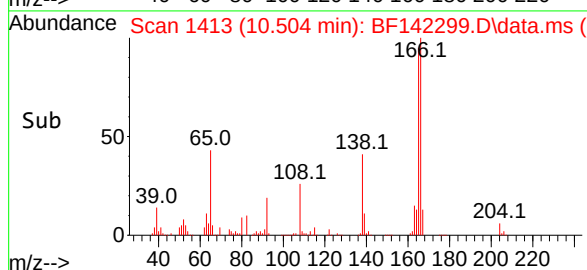
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

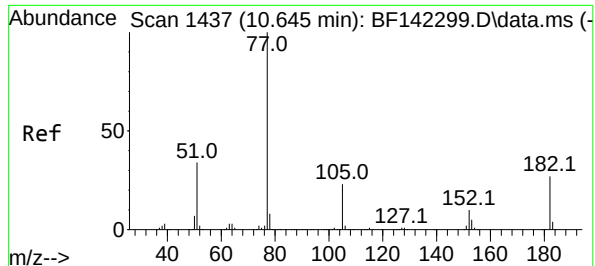


#62
4-Nitroaniline
Concen: 40.198 ng
RT: 10.504 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50



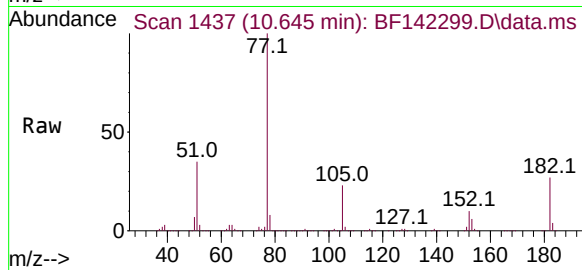
Tgt Ion:138 Resp: 203816
Ion Ratio Lower Upper
138 100
92 47.3 27.3 67.3
108 65.1 45.1 85.1





#63
Azobenzene
Concen: 36.938 ng
RT: 10.645 min Scan# 1437
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

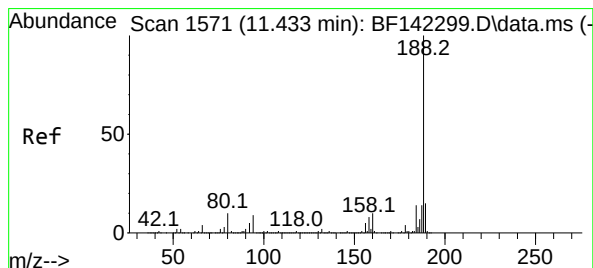
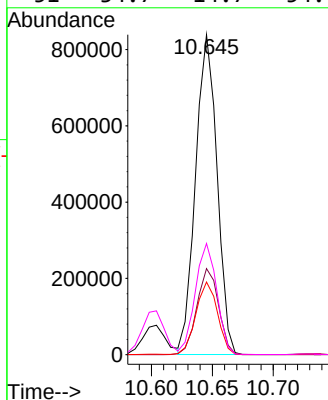
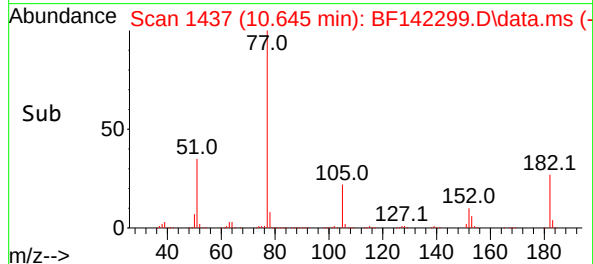
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion: 77 Resp: 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

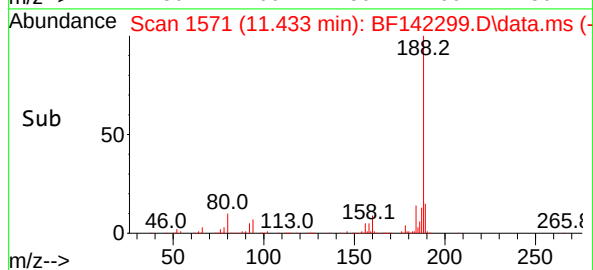
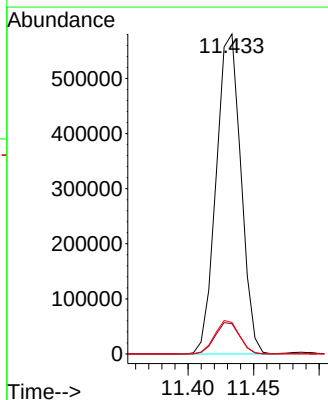
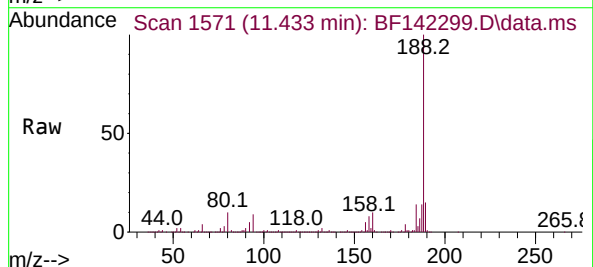
Manual Integrations
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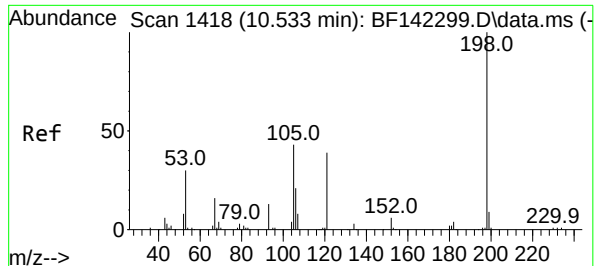
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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





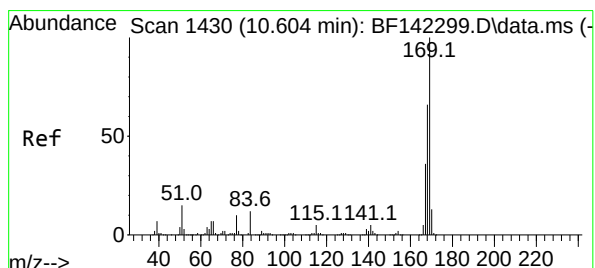
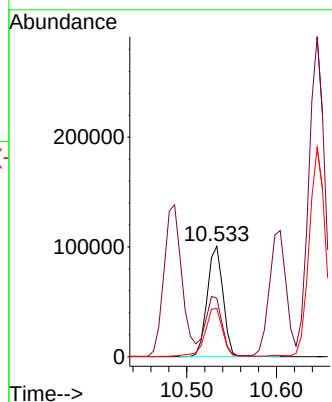
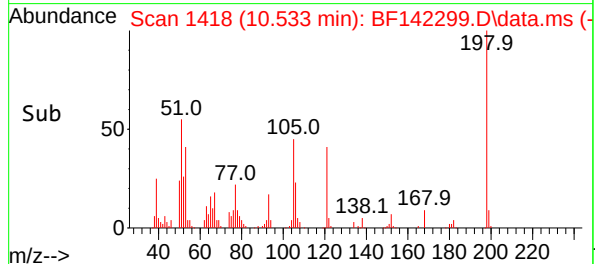
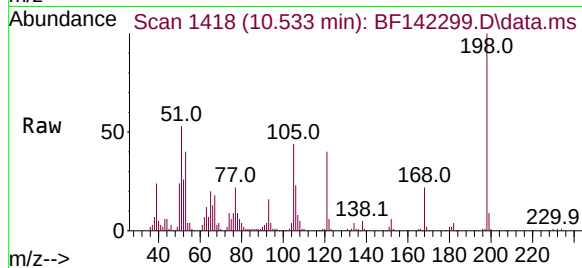
#65
4,6-Dinitro-2-methylphenol
Concen: 36.690 ng
RT: 10.533 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

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

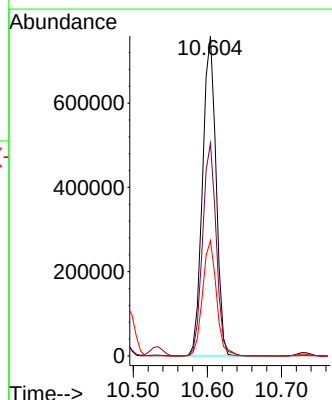
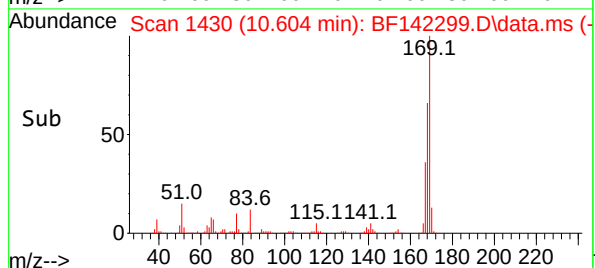
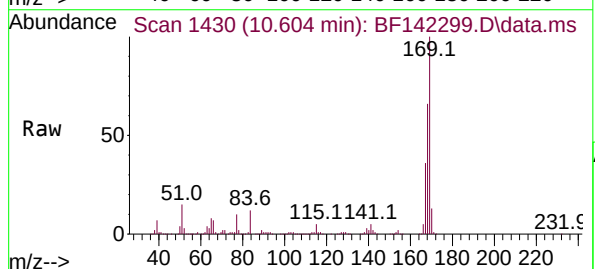
Manual Integrations
APPROVED

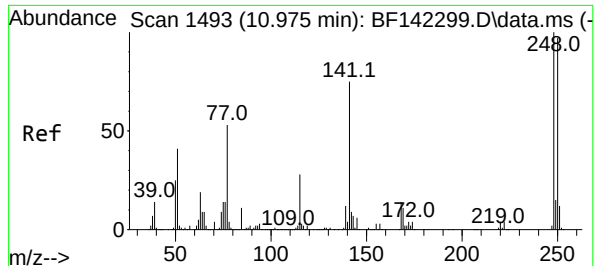
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

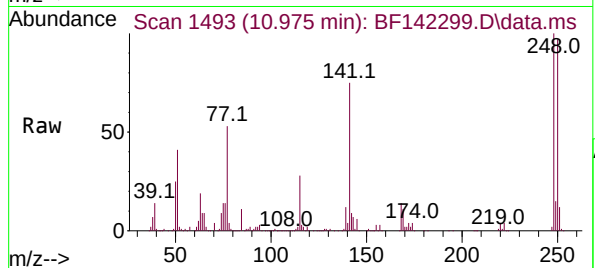
Tgt Ion:169 Resp: 957534
Ion Ratio Lower Upper
169 100
168 66.5 53.2 79.8
167 36.1 28.9 43.3





#67
4-Bromophenyl-phenylether
Concen: 38.106 ng
RT: 10.975 min Scan# 1493
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

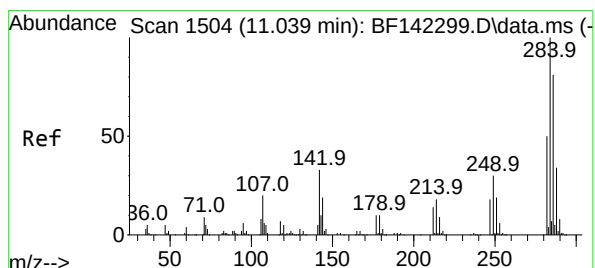
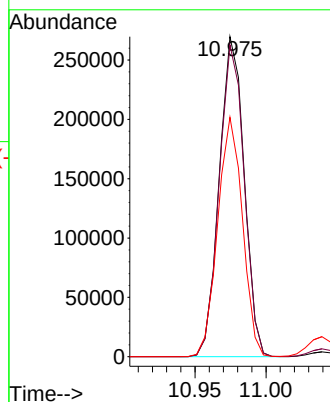
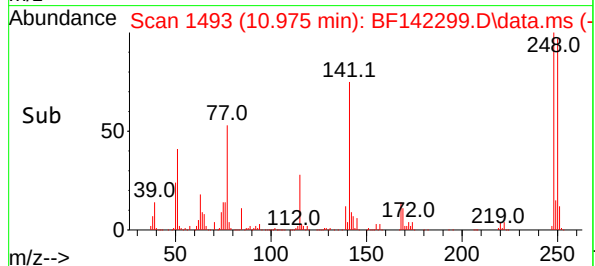
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



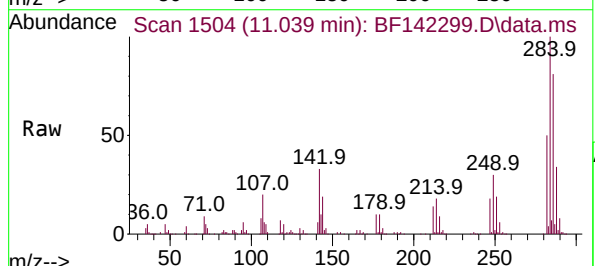
Tgt Ion:248 Resp: 328625
Ion Ratio Lower Upper
248 100
250 97.4 77.9 116.9
141 74.8 59.8 89.8

Manual Integrations
APPROVED

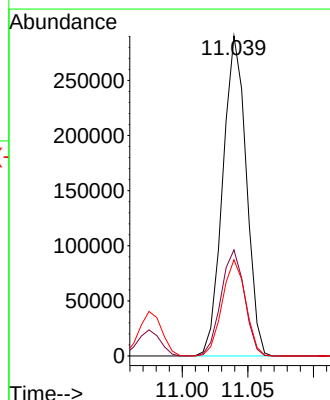
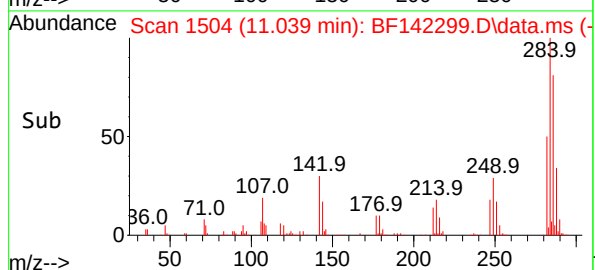
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

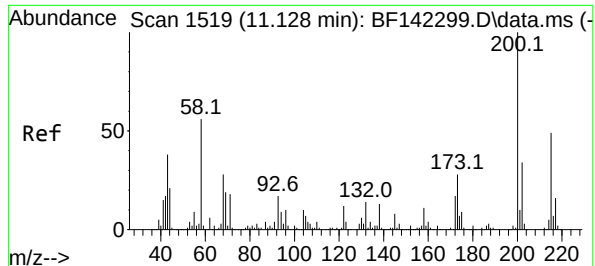


#68
Hexachlorobenzene
Concen: 38.046 ng
RT: 11.039 min Scan# 1504
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50



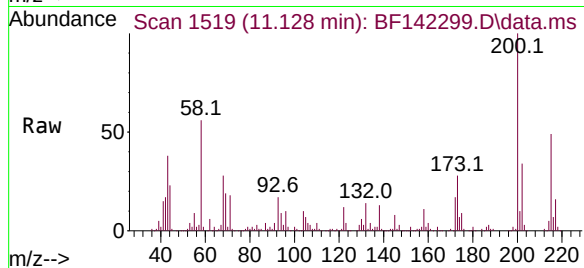
Tgt Ion:284 Resp: 360906
Ion Ratio Lower Upper
284 100
142 33.2 26.6 39.8
249 30.1 24.1 36.1





#69
Atrazine
Concen: 39.786 ng
RT: 11.128 min Scan# 1519
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

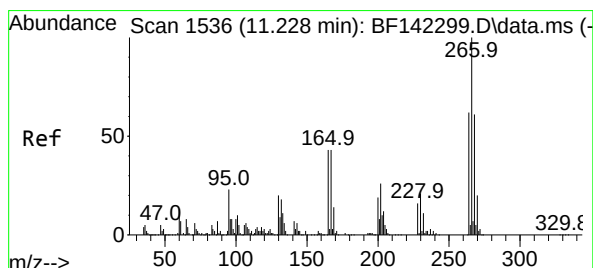
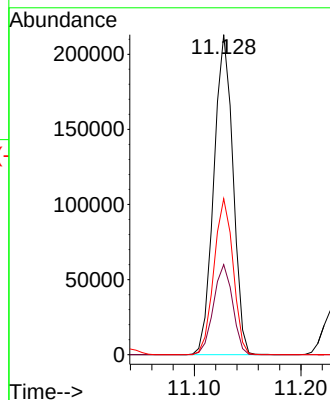
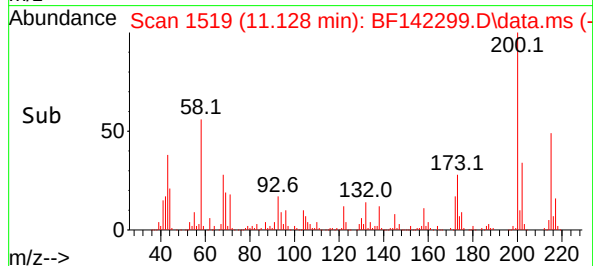
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



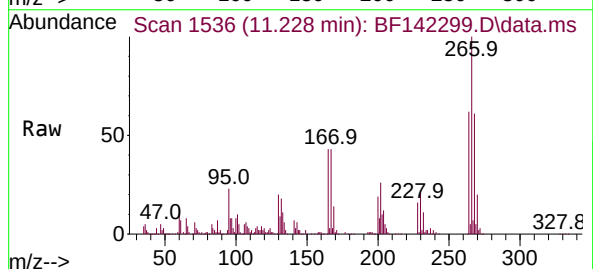
Tgt Ion:200 Resp: 265558
Ion Ratio Lower Upper
200 100
173 28.1 8.1 48.1
215 48.8 28.8 68.8

Manual Integrations
APPROVED

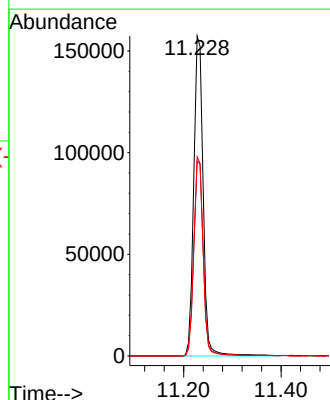
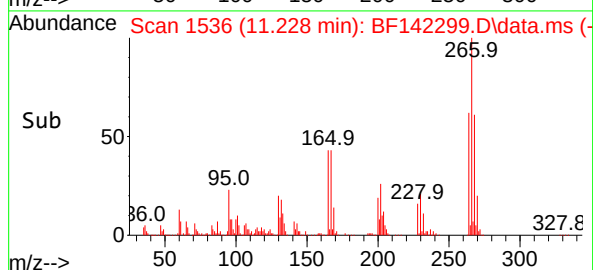
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

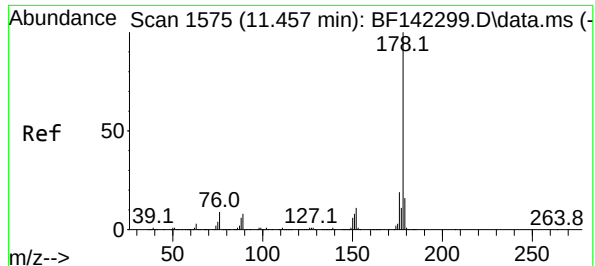


#70
Pentachlorophenol
Concen: 42.334 ng
RT: 11.228 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50



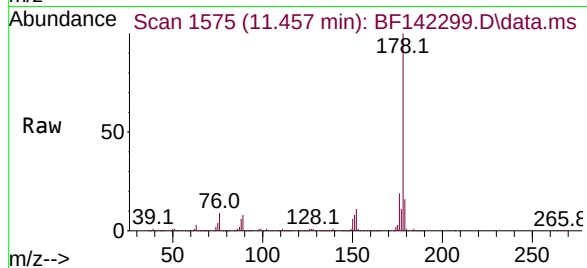
Tgt Ion:266 Resp: 211262
Ion Ratio Lower Upper
266 100
268 60.9 48.7 73.1
264 62.2 49.8 74.6





#71
Phenanthrene
Concen: 37.687 ng
RT: 11.457 min Scan# 1575
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

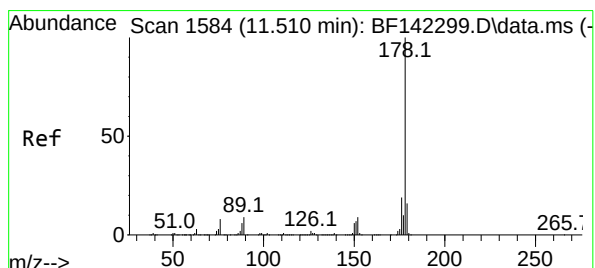
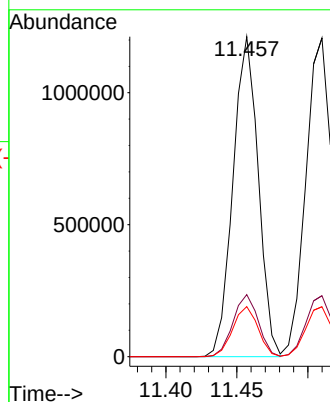
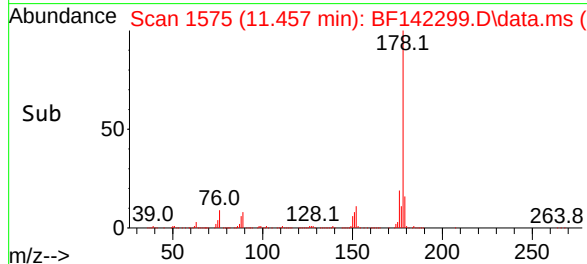
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

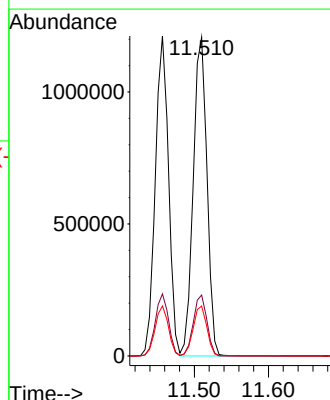
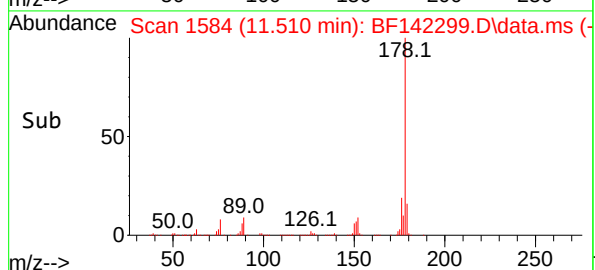
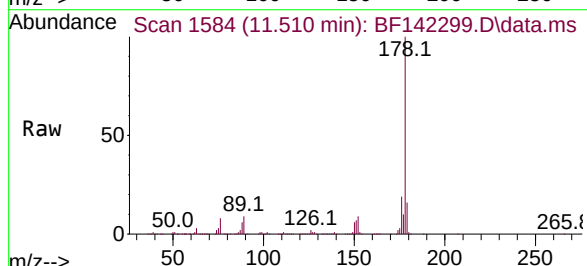
Manual Integrations
APPROVED

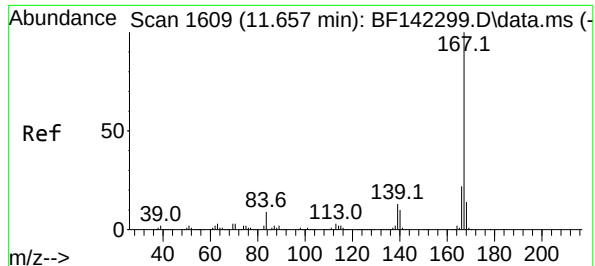
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

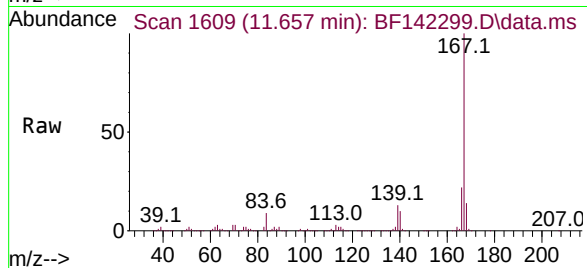
Tgt Ion:178 Resp: 1549487
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.7 12.6 18.8





#73
Carbazole
Concen: 38.332 ng
RT: 11.657 min Scan# 1609
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

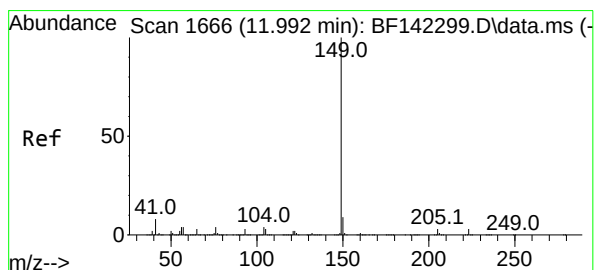
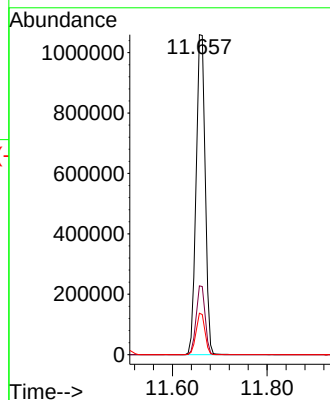
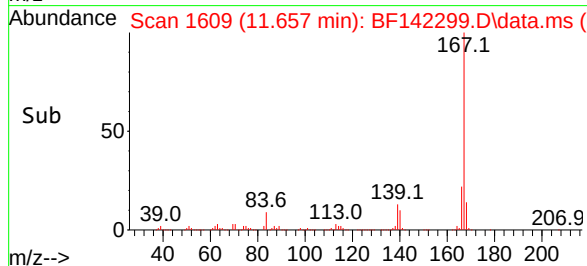
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

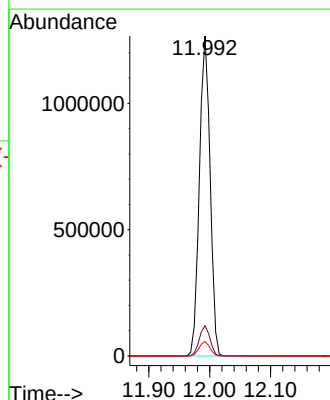
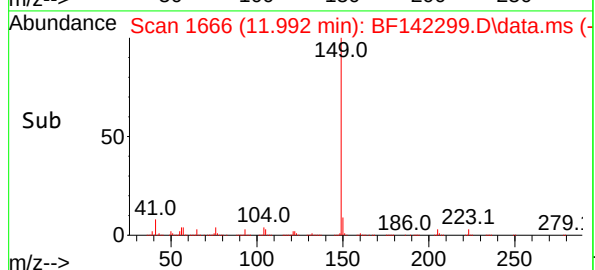
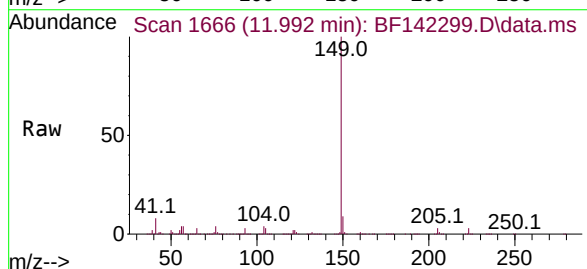
Manual Integrations
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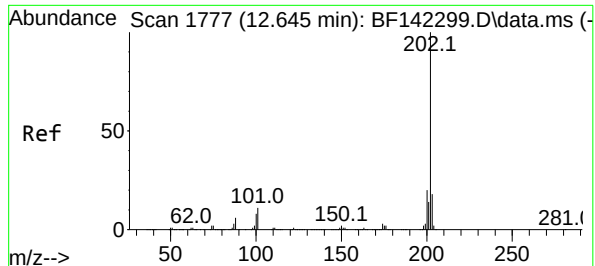
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

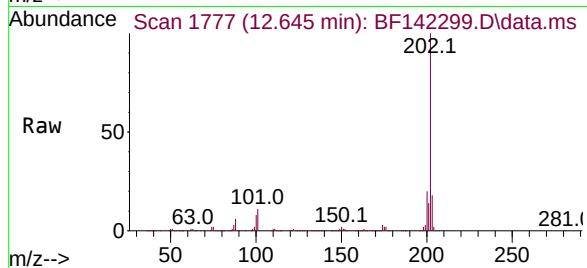
Tgt Ion:149 Resp: 1540981
Ion Ratio Lower Upper
149 100
150 9.4 7.5 11.3
104 4.5 3.6 5.4





#75
Fluoranthene
Concen: 37.616 ng
RT: 12.645 min Scan# 1777
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

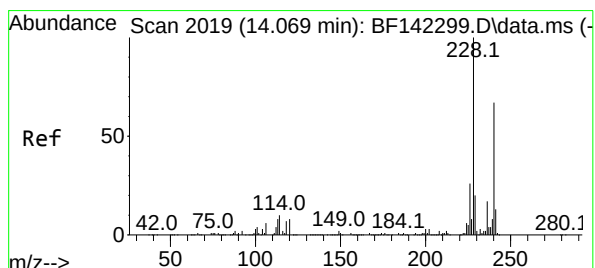
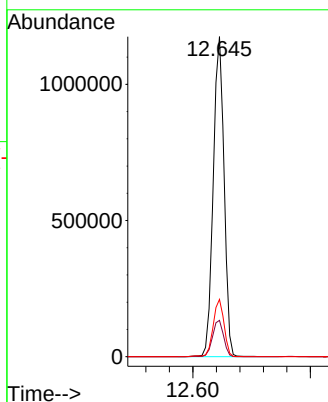
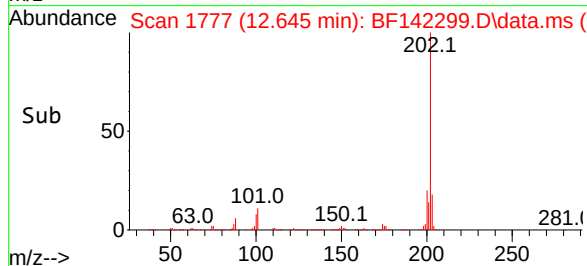
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

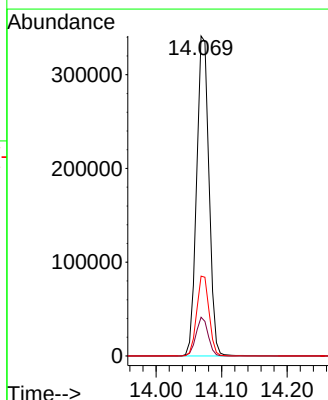
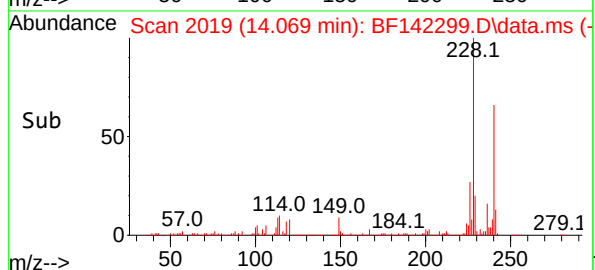
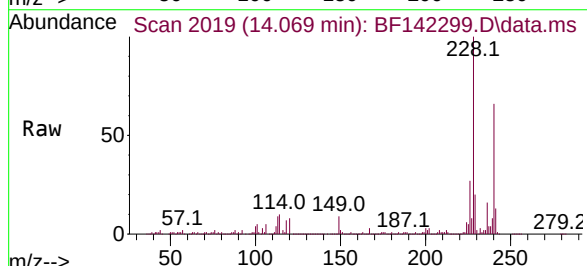
Manual Integrations
APPROVED

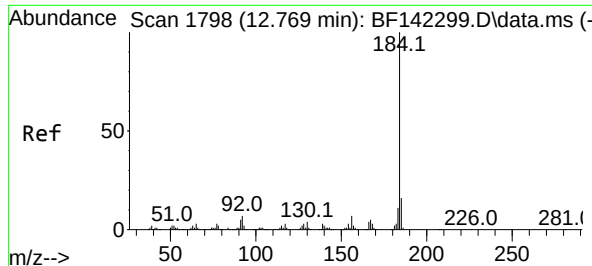
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

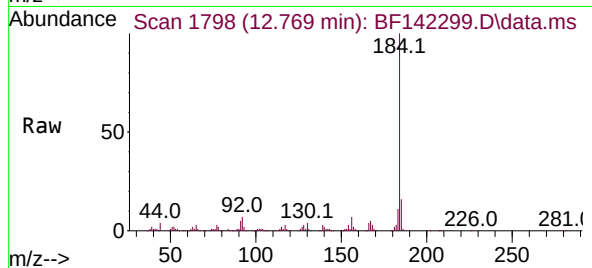
Tgt Ion:240 Resp: 448285
Ion Ratio Lower Upper
240 100
120 12.1 9.7 14.5
236 25.0 20.0 30.0





#77
Benzidine
Concen: 39.408 ng
RT: 12.769 min Scan# 1798
Delta R.T. -0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

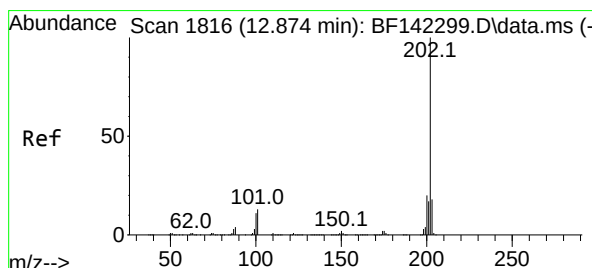
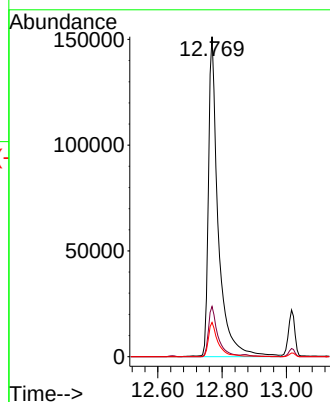
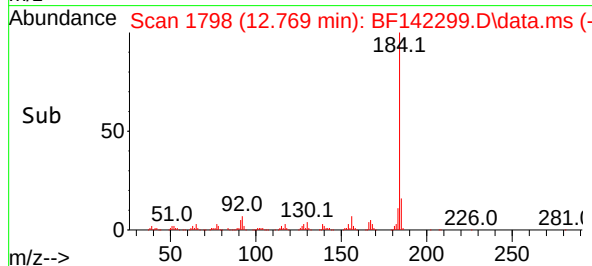
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

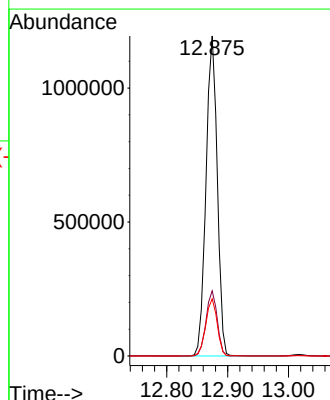
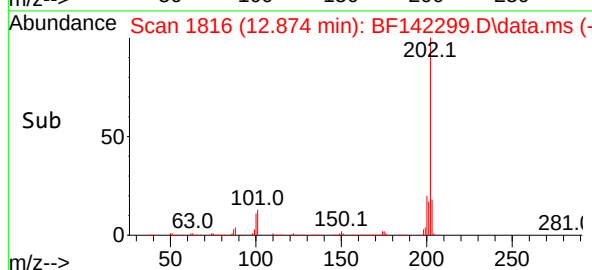
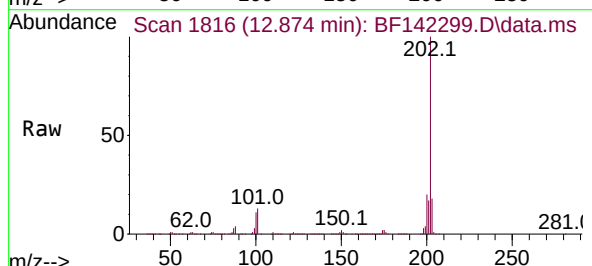
Manual Integrations
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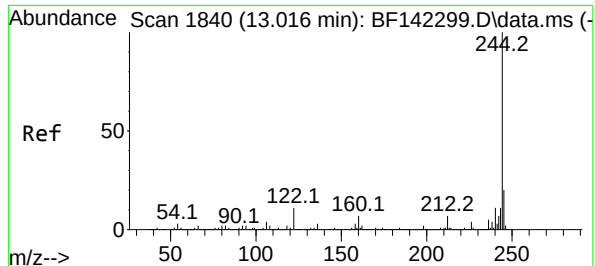
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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# 1840

Delta R.T. 0.000 min

Lab File: BF142299.D

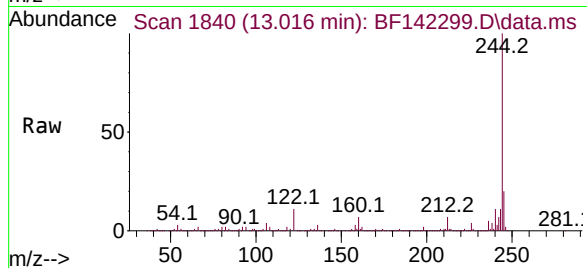
Acq: 05 May 2025 15:50

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040



Tgt Ion:244 Resp: 225033

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.2

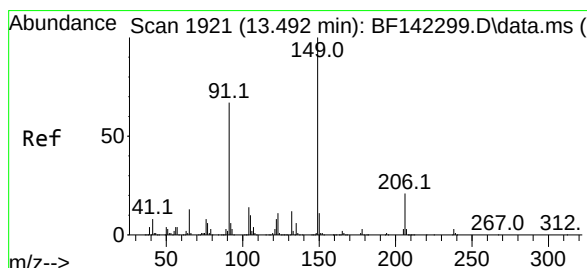
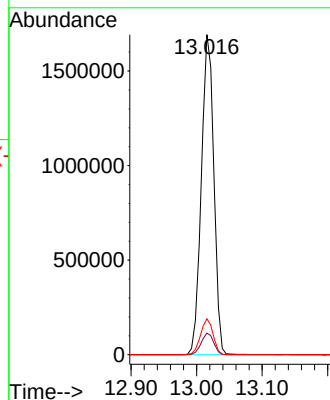
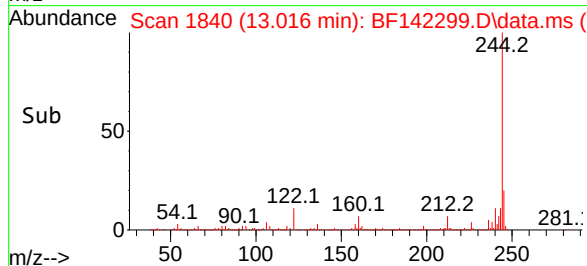
122 11.2 9.0 13.4

Manual Integrations

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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

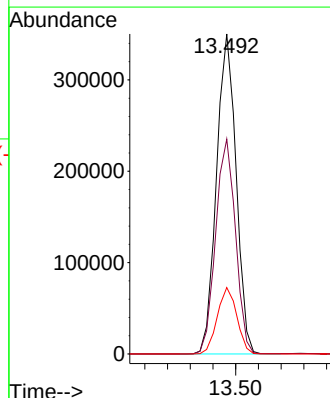
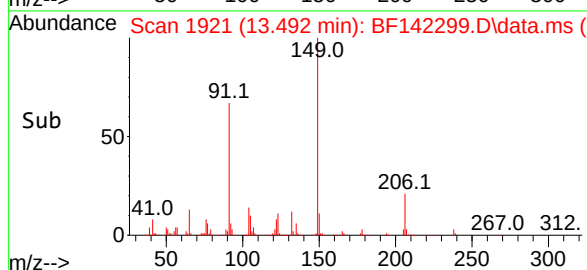
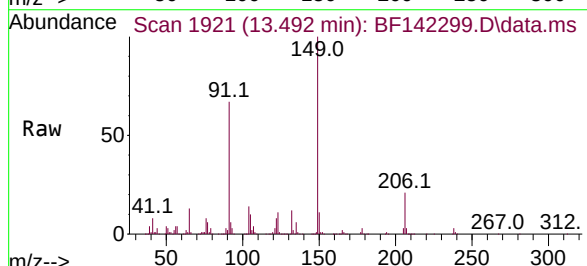
Tgt Ion:149 Resp: 420197

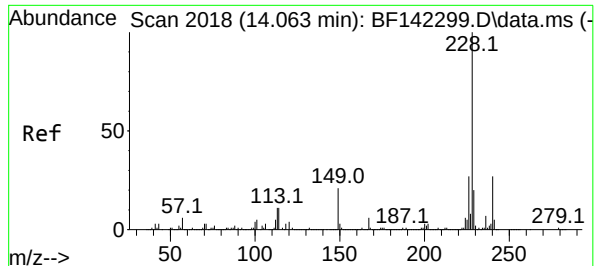
Ion Ratio Lower Upper

149 100

91 67.2 53.8 80.6

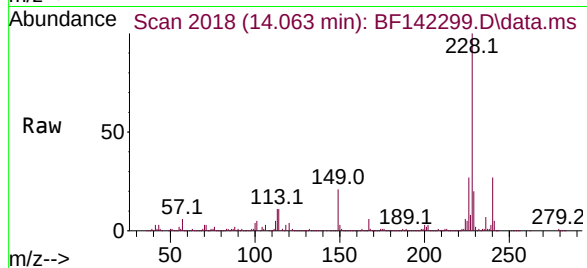
206 20.7 16.6 24.8





#81
Benzo(a)anthracene
Concen: 38.218 ng
RT: 14.063 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

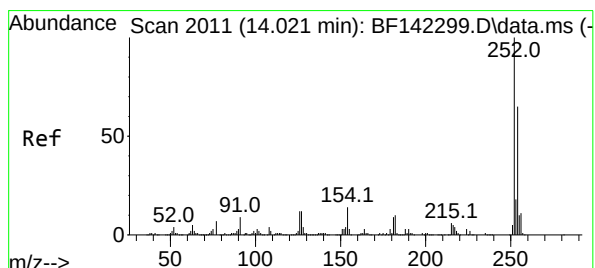
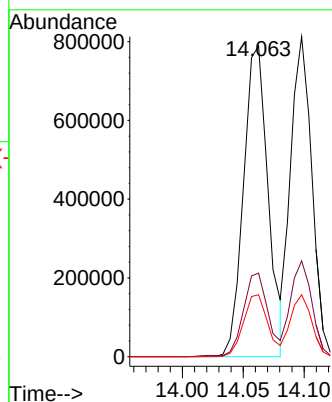
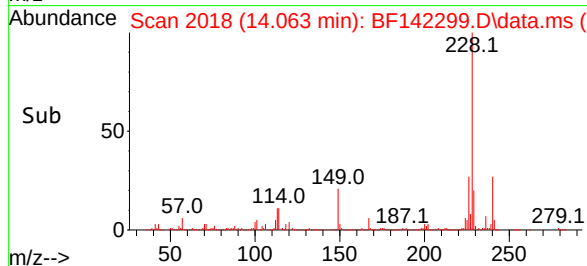
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



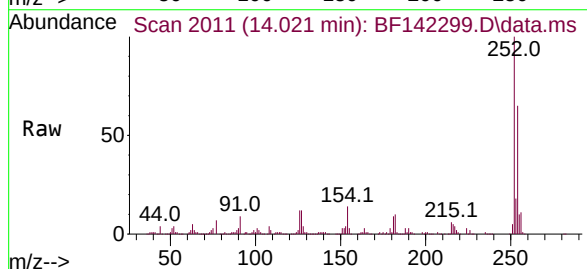
Tgt Ion:228 Resp: 1109518
Ion Ratio Lower Upper
228 100
226 26.9 21.5 32.3
229 19.9 15.9 23.9

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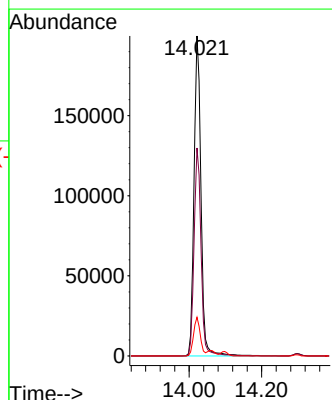
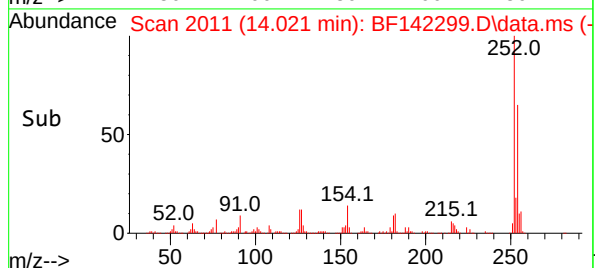
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

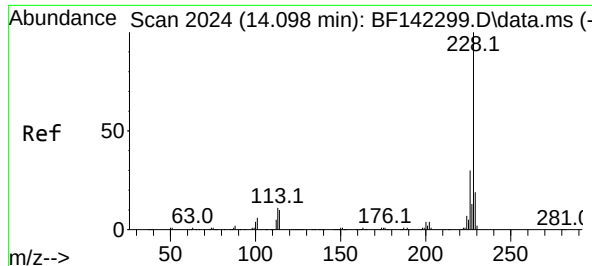


#82
3,3'-Dichlorobenzidine
Concen: 39.352 ng
RT: 14.021 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50



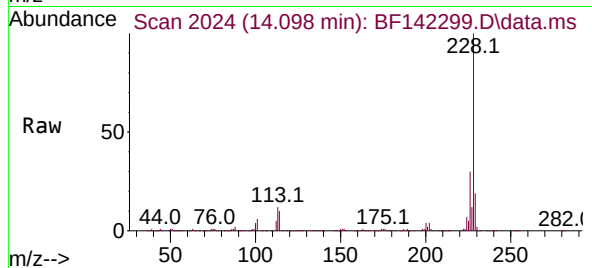
Tgt Ion:252 Resp: 265678
Ion Ratio Lower Upper
252 100
254 65.0 52.0 78.0
126 12.1 9.7 14.5





#83
Chrysene
Concen: 36.624 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

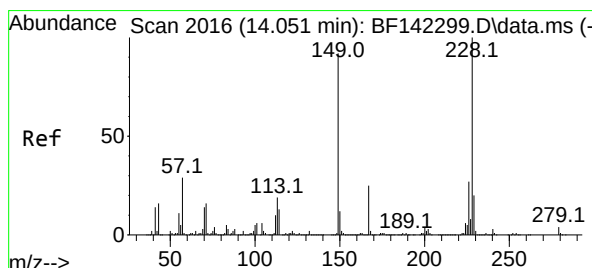
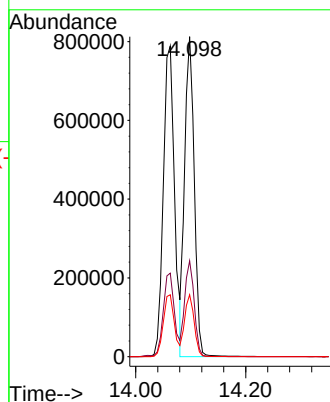
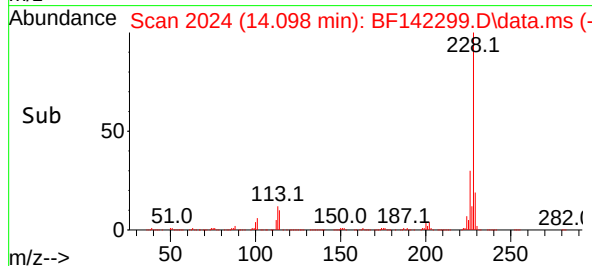
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:228 Resp: 98981
Ion Ratio Lower Upper
228 100
226 29.9 23.9 35.9
229 19.3 15.4 23.2

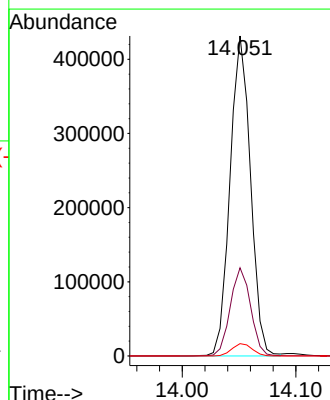
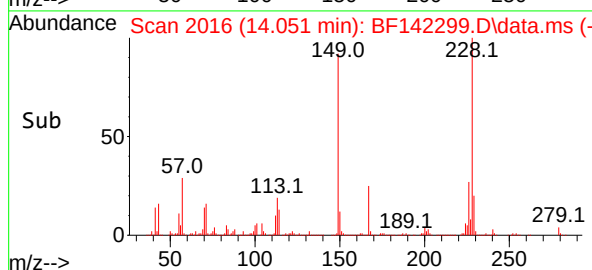
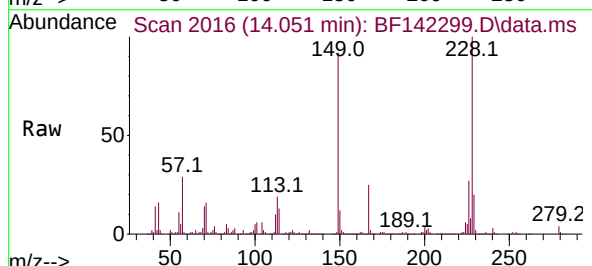
Manual Integrations
APPROVED

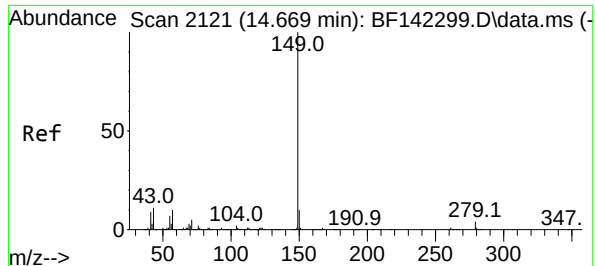
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

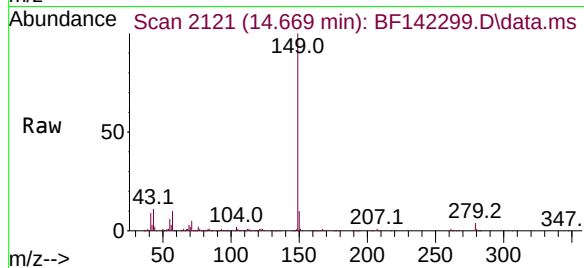
Tgt Ion:149 Resp: 539105
Ion Ratio Lower Upper
149 100
167 27.5 22.0 33.0
279 3.8 3.0 4.6





#85
Di-n-octyl phthalate
Concen: 36.079 ng
RT: 14.669 min Scan# 2121
Delta R.T. -0.001 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

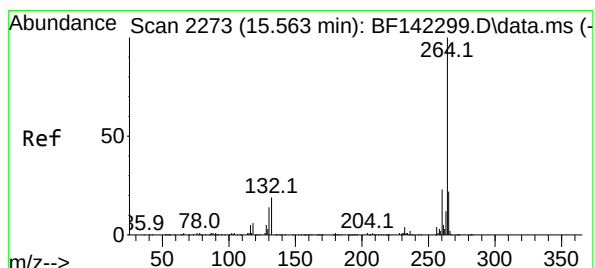
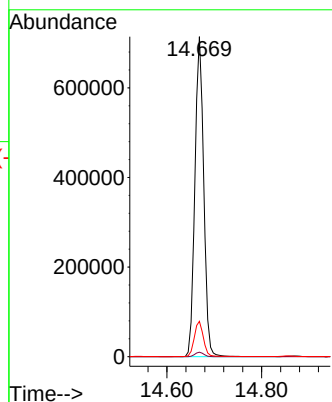
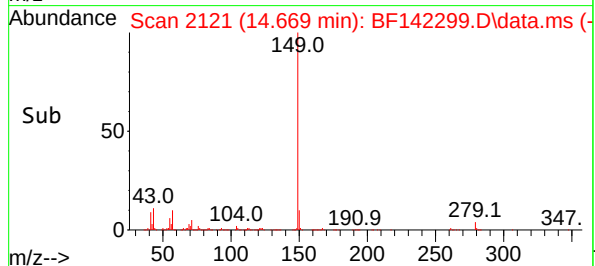
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



Tgt Ion:149 Resp: 92280
Ion Ratio Lower Upper
149 100
167 1.4 1.1 1.7
43 11.5 9.2 13.8

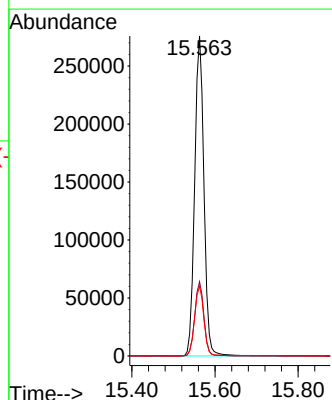
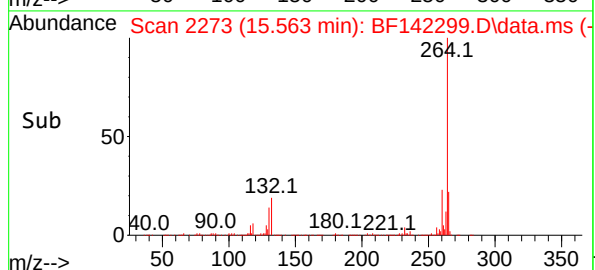
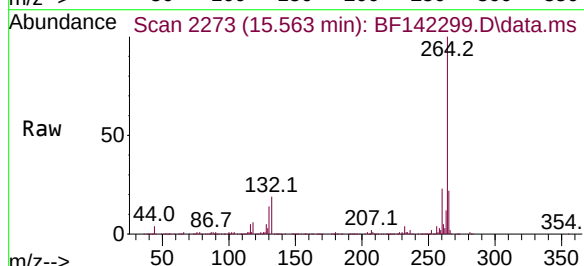
Manual Integrations
APPROVED

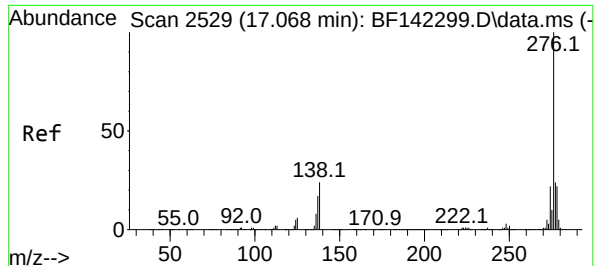
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

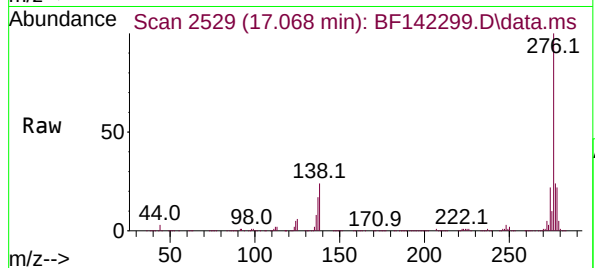
Tgt Ion:264 Resp: 426732
Ion Ratio Lower Upper
264 100
260 23.2 18.6 27.8
265 21.9 17.5 26.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 39.794 ng
RT: 17.068 min Scan# 2198
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

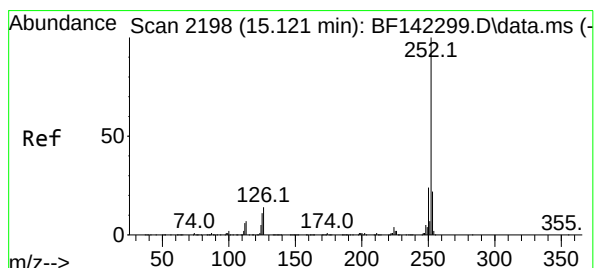
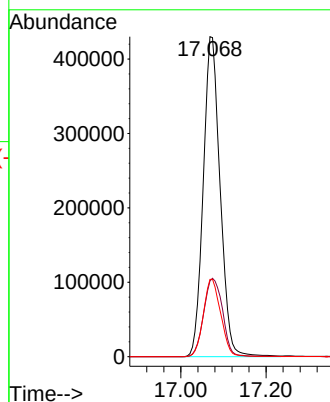
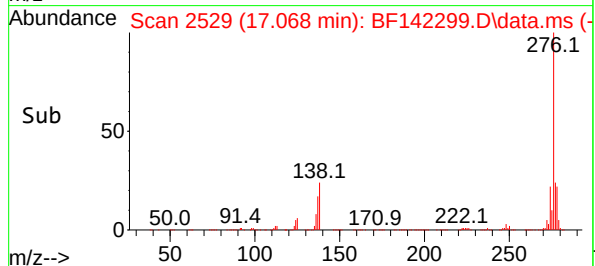
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

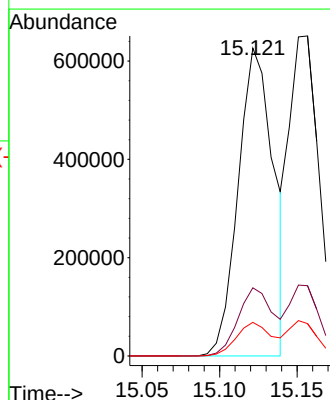
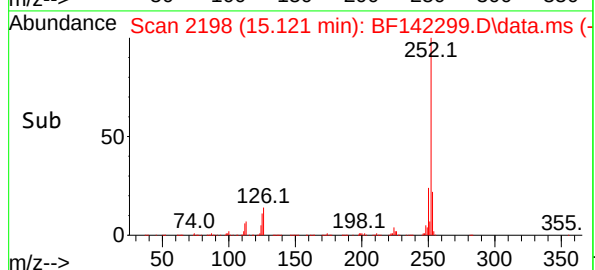
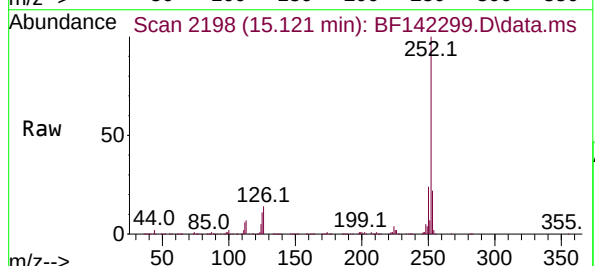
Manual Integrations
APPROVED

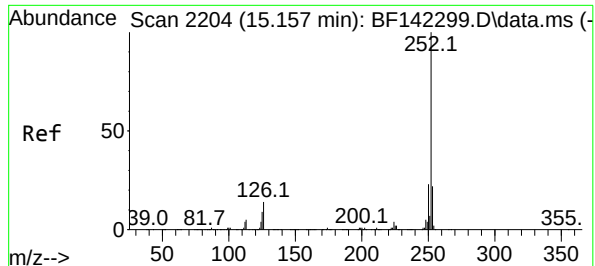
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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# 21

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: 888020

Ion Ratio Lower Upper

252 100

253 22.0 17.6 26.4

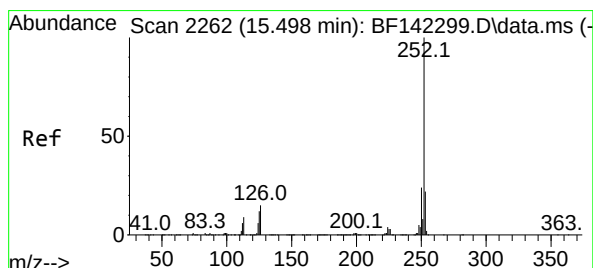
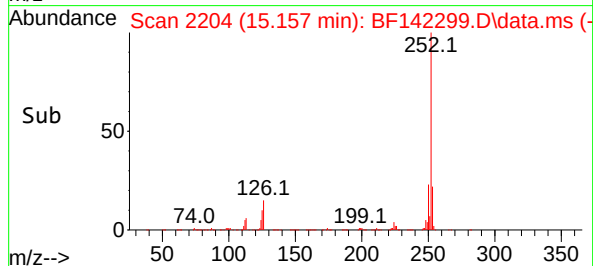
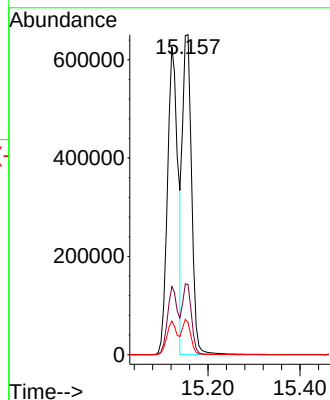
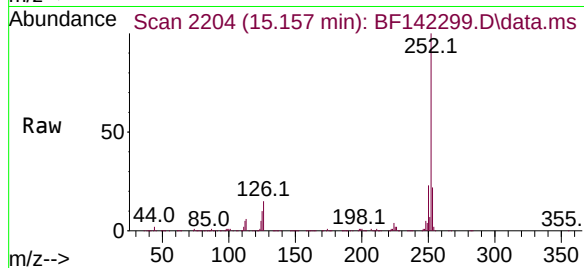
125 10.1 8.1 12.1

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

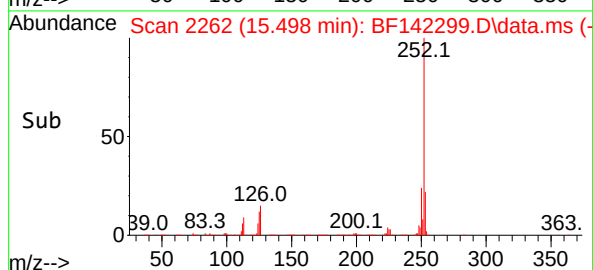
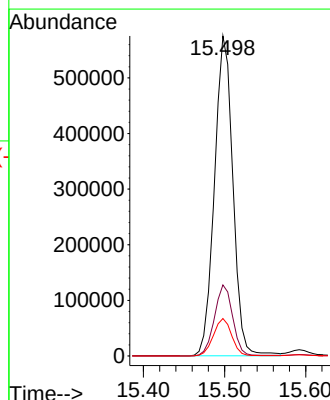
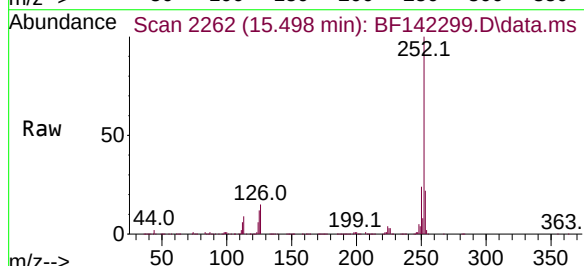
Tgt Ion:252 Resp: 909479

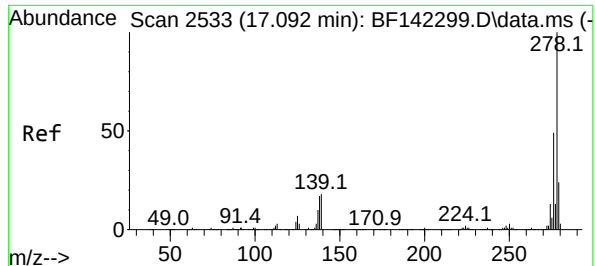
Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.6

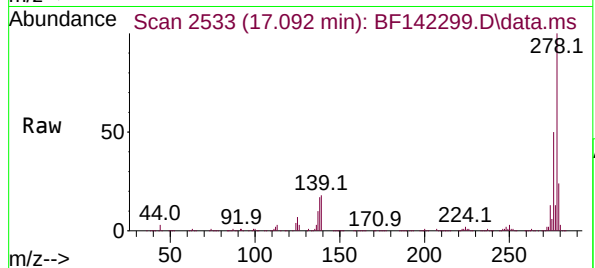
125 11.7 9.4 14.0





#91
Dibenzo(a,h)anthracene
Concen: 39.578 ng
RT: 17.092 min Scan# 2533
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

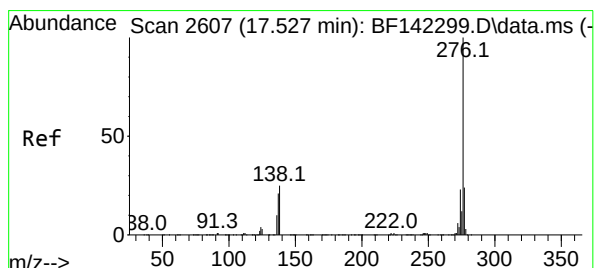
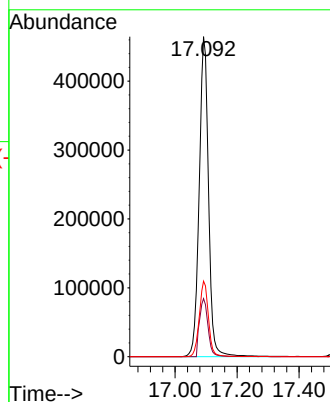
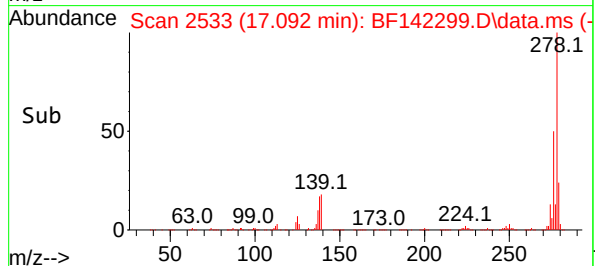
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040



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

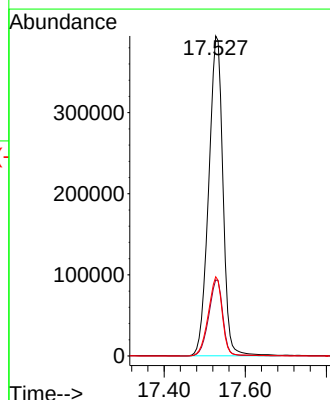
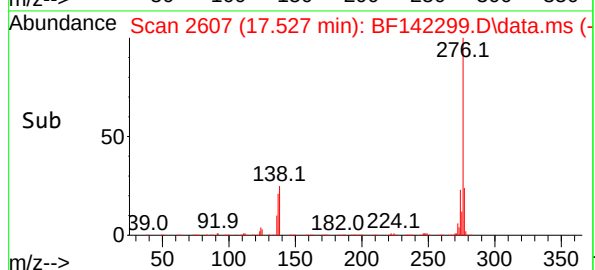
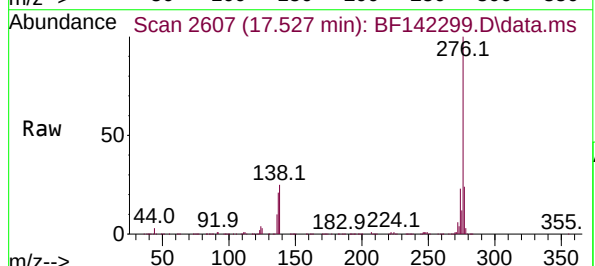
Manual Integrations
APPROVED

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

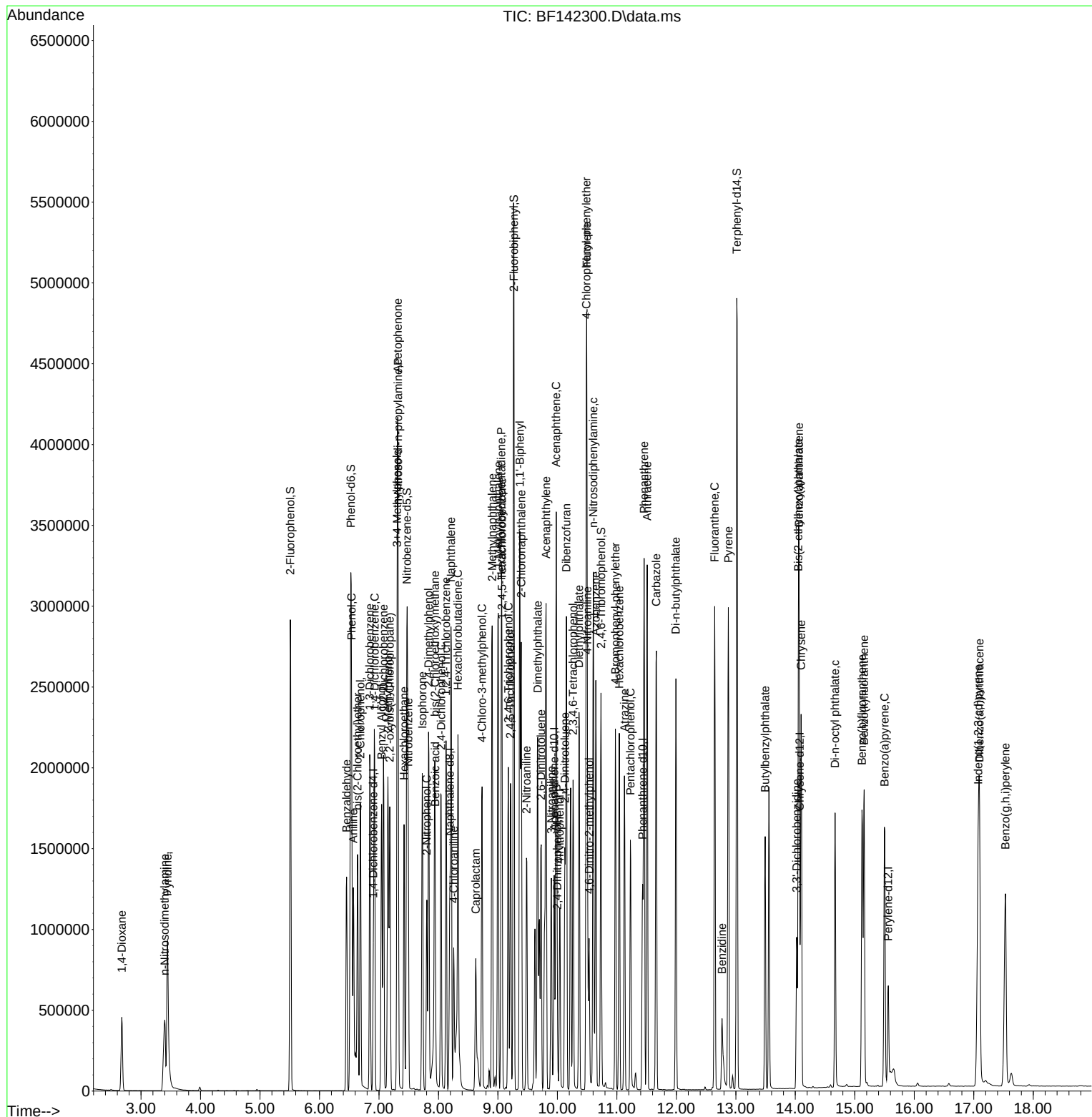
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Acq On    : 05 May 2025  16:18  
Operator  : RC/JU  
Sample    : SSTDICC050  
Misc      :  
ALS Vial  : 7    Sample Multiplier: 1
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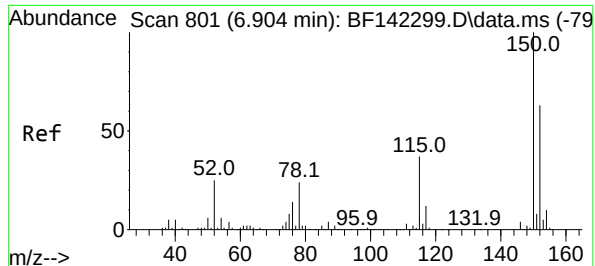
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

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

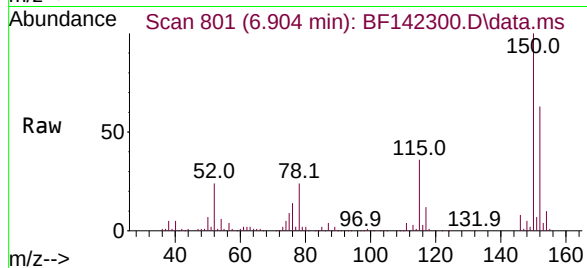
Quant Time: May 05 18:00:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 17:44:56 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

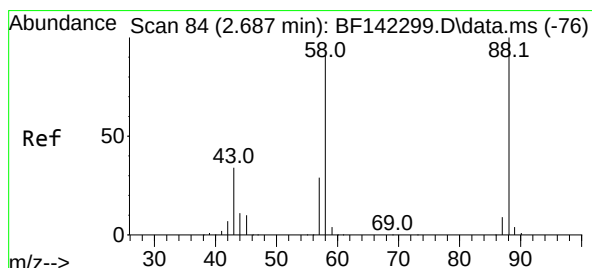
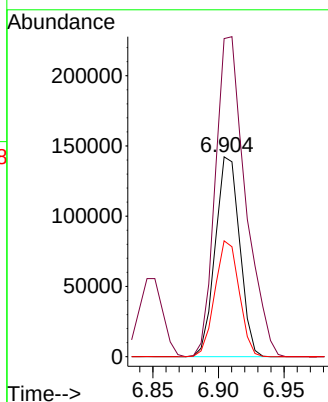
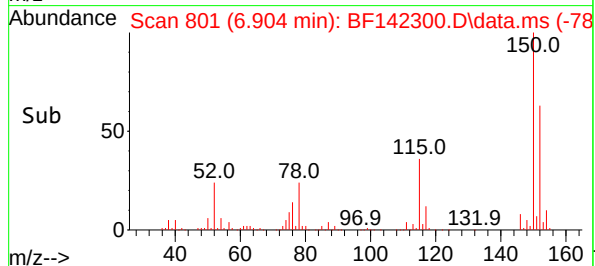
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:152 Resp: 18414
Ion Ratio Lower Upper
152 100
150 159.2 126.6 190.0
115 57.9 47.3 70.9

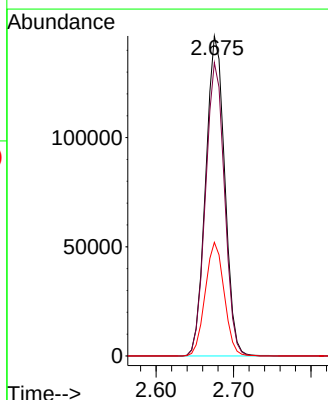
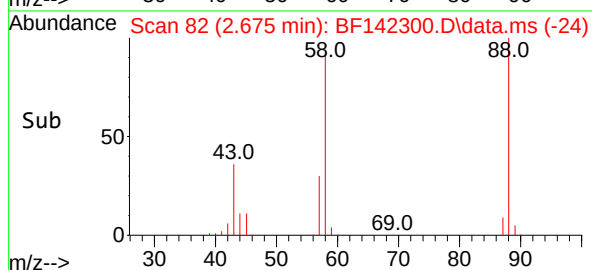
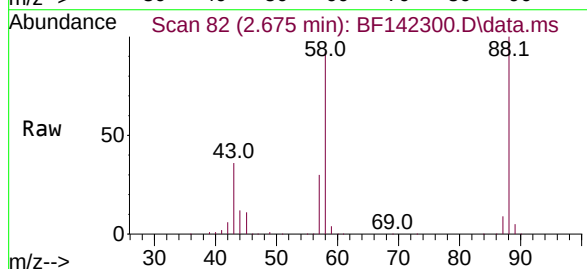
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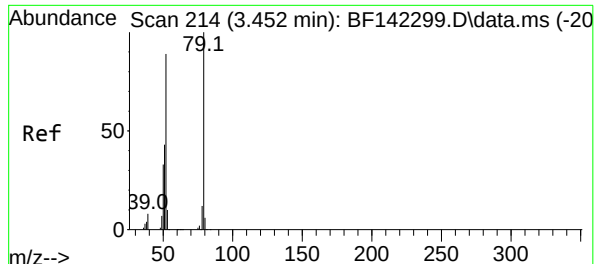
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

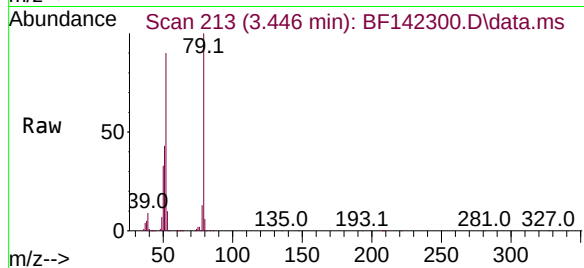
Tgt Ion: 88 Resp: 250125
Ion Ratio Lower Upper
88 100
58 91.4 73.0 109.4
43 35.4 27.8 41.6





#3
Pyridine
Concen: 52.856 ng
RT: 3.446 min Scan# 214
Delta R.T. -0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

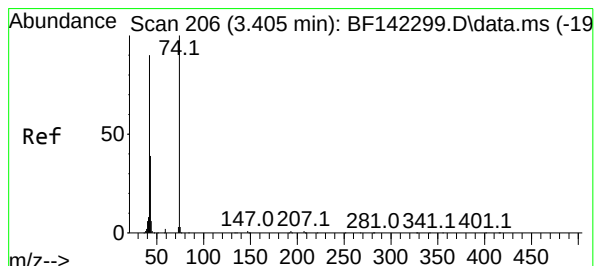
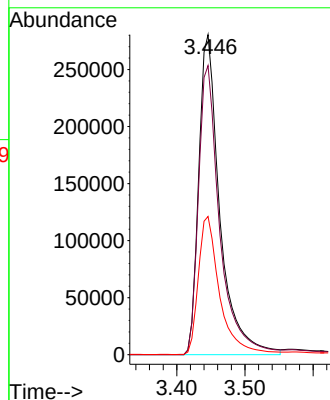
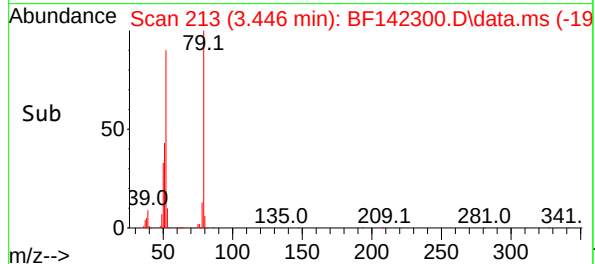
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion: 79 Resp: 60372
Ion Ratio Lower Upper
79 100
52 90.4 71.0 106.4
51 43.2 34.9 52.3

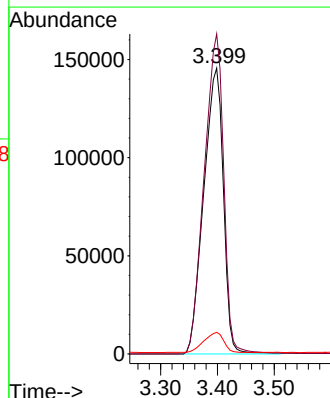
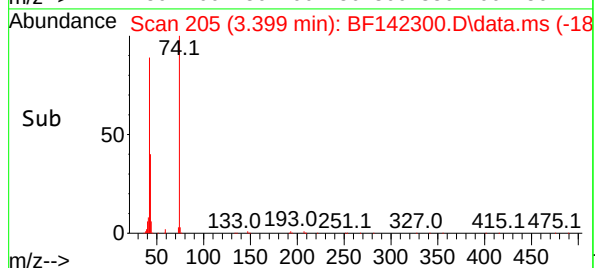
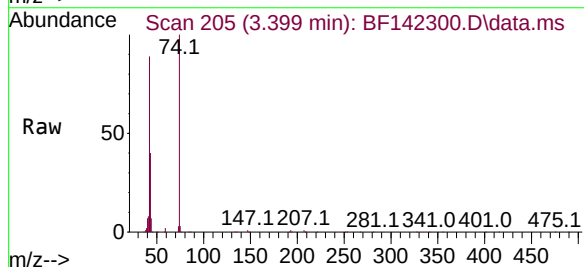
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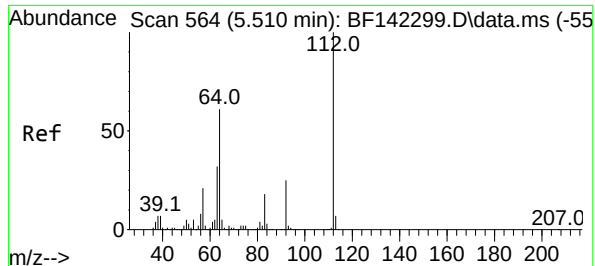
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

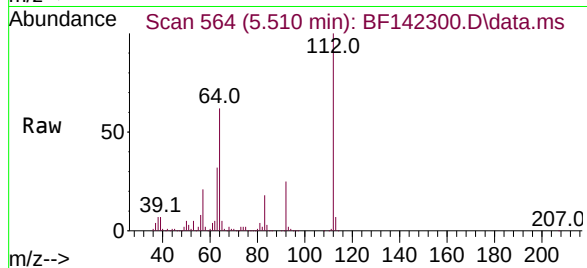
Tgt Ion: 42 Resp: 349382
Ion Ratio Lower Upper
42 100
74 112.0 88.5 132.7
44 7.5 5.8 8.8





#5
2-Fluorophenol
Concen: 104.504 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

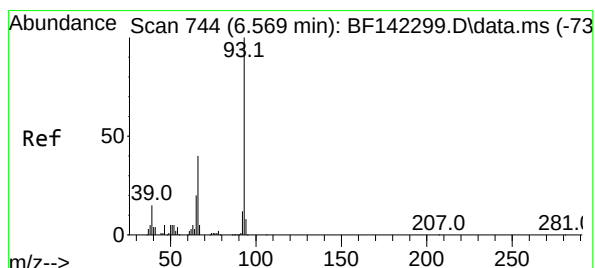
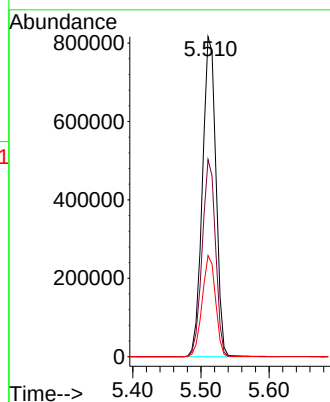
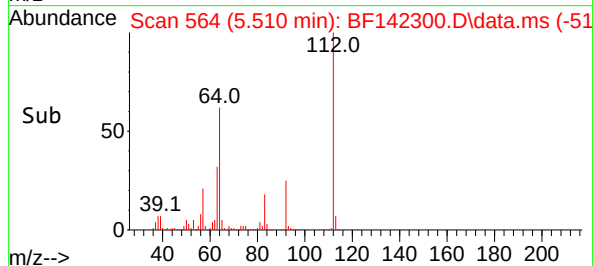
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



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

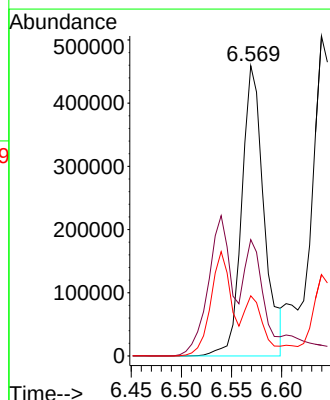
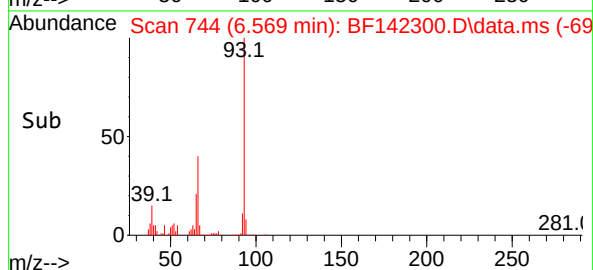
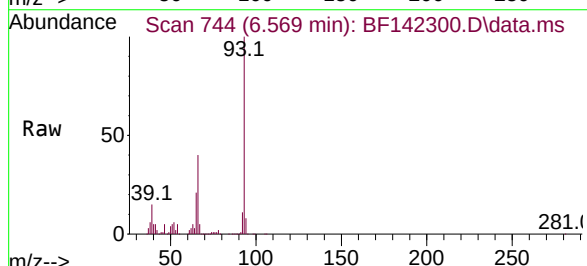
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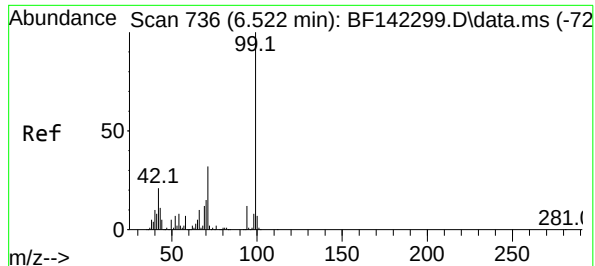
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

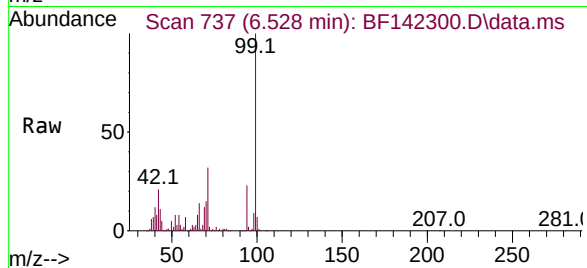
Tgt Ion: 93 Resp: 710390
Ion Ratio Lower Upper
93 100
66 40.1 32.2 48.4
65 20.7 16.3 24.5





#7
Phenol-d6
Concen: 104.071 ng
RT: 6.528 min Scan# 736
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

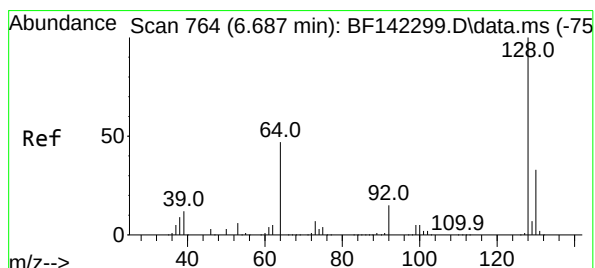
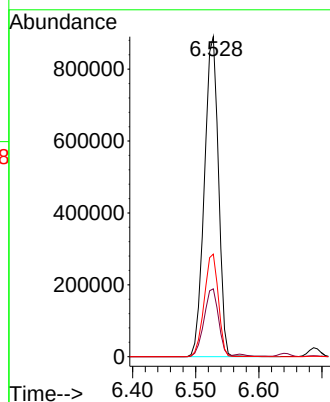
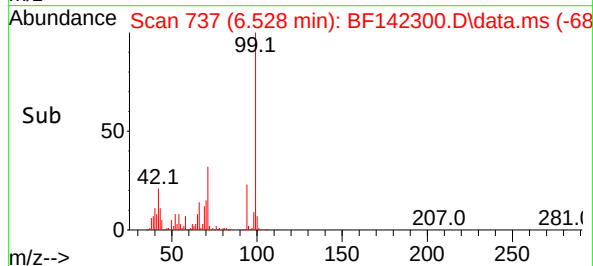
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion: 99 Resp: 138072
Ion Ratio Lower Upper
99 100
42 21.2 17.0 25.4
71 32.1 25.8 38.8

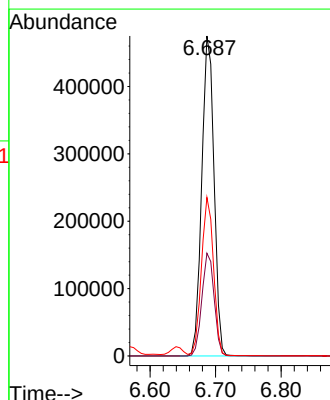
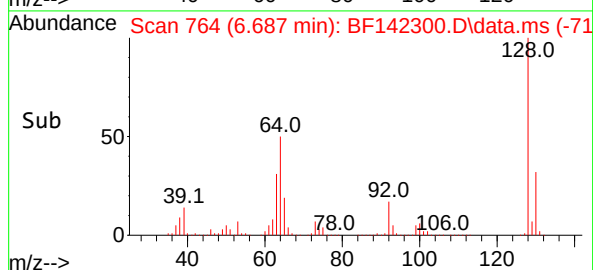
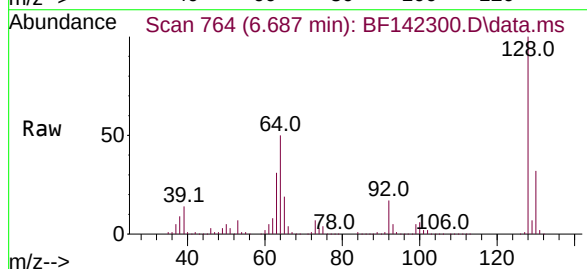
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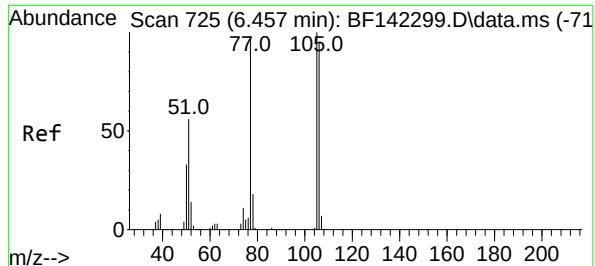
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

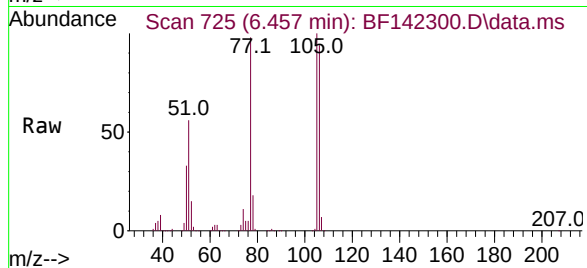
Tgt Ion:128 Resp: 619795
Ion Ratio Lower Upper
128 100
130 32.1 12.7 52.7
64 49.6 29.2 69.2





#9
Benzaldehyde
Concen: 44.591 ng
RT: 6.457 min Scan# 725
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

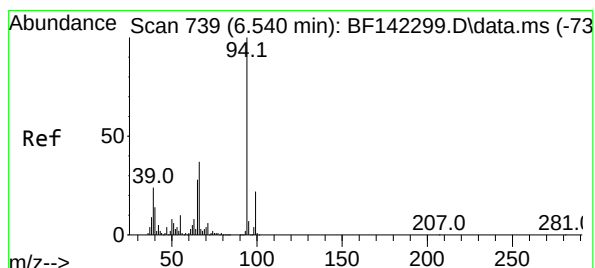
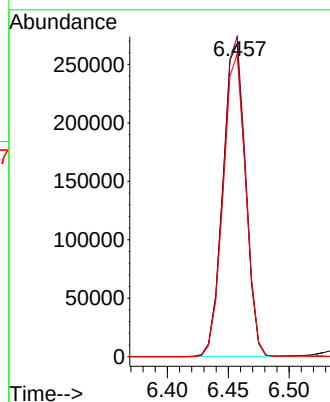
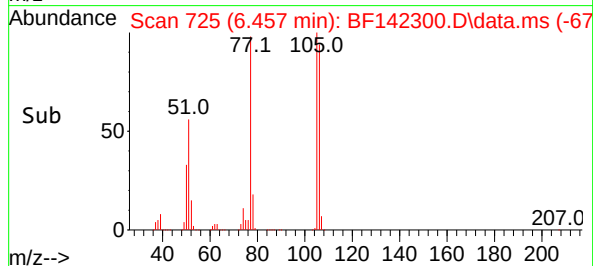
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



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

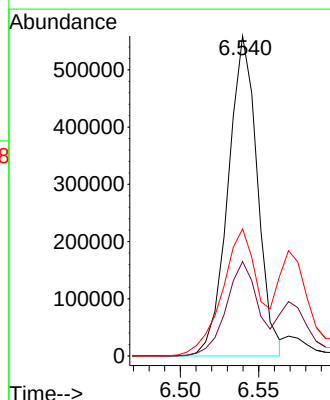
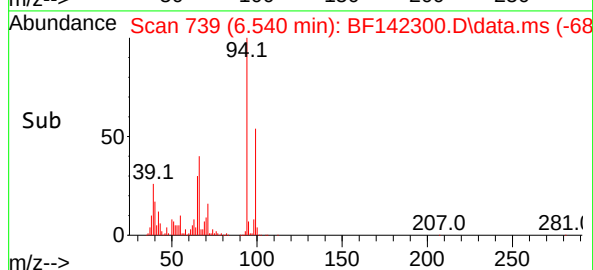
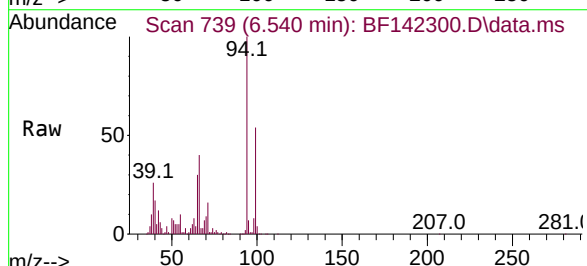
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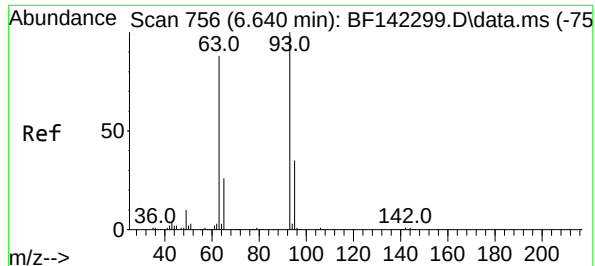
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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# 756

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: 698119

Ion Ratio Lower Upper

93 100

63 78.3 58.4 98.4

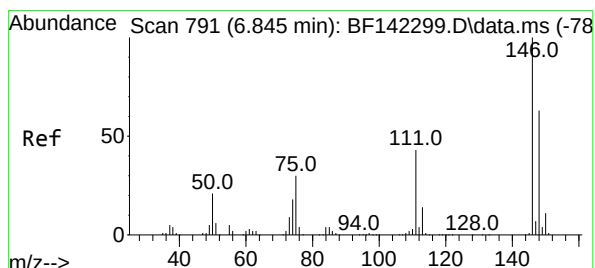
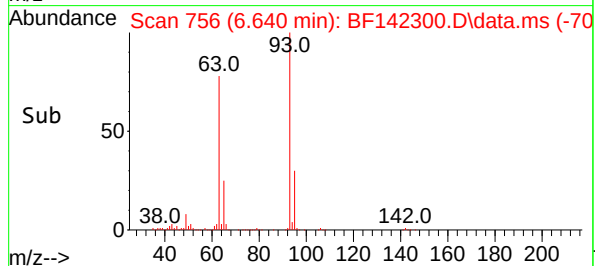
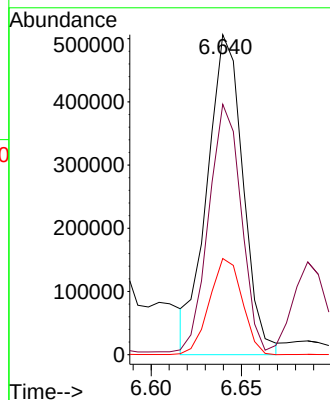
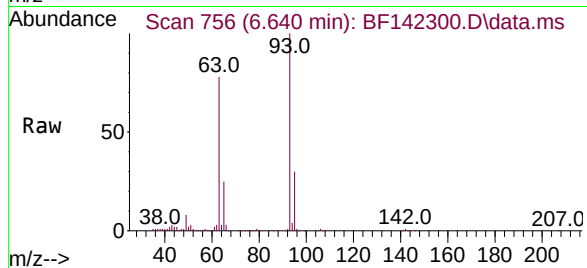
95 30.1 10.6 50.6

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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

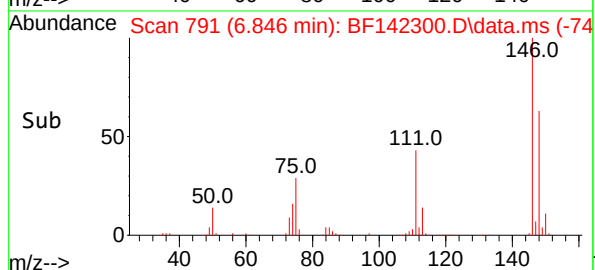
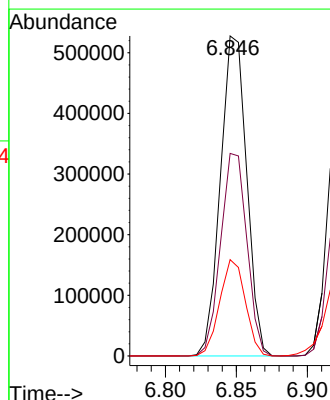
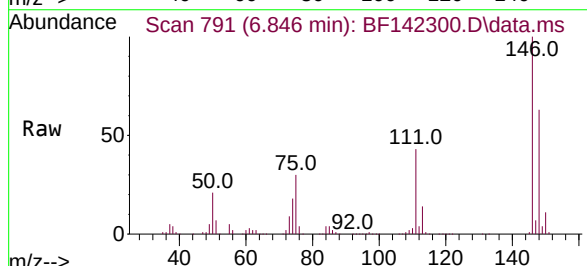
Tgt Ion:146 Resp: 679991

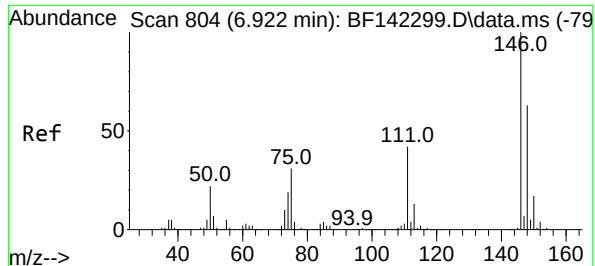
Ion Ratio Lower Upper

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# 804

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

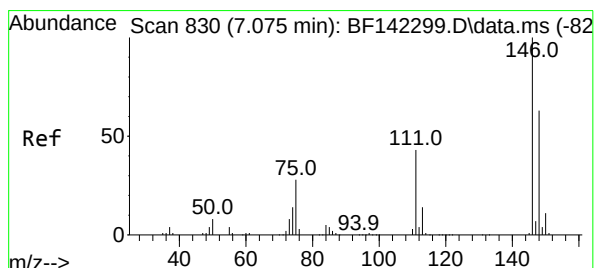
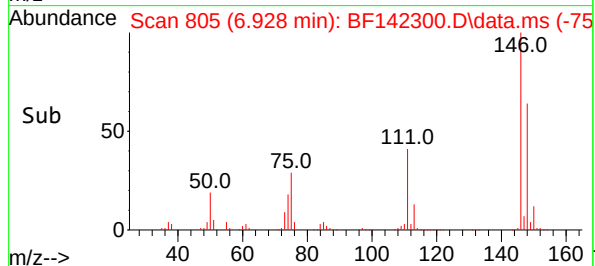
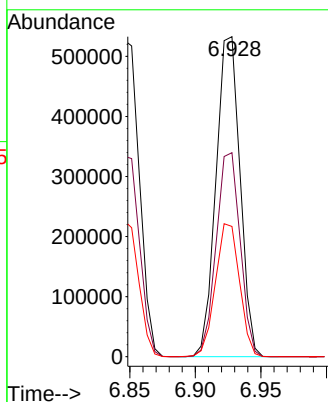
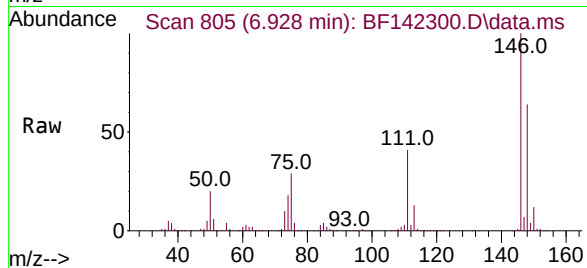
111 40.7 33.4 50.2

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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

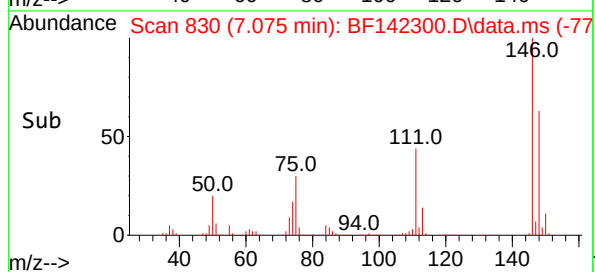
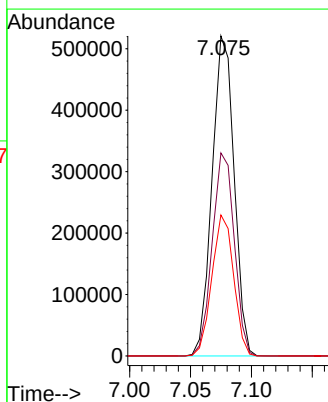
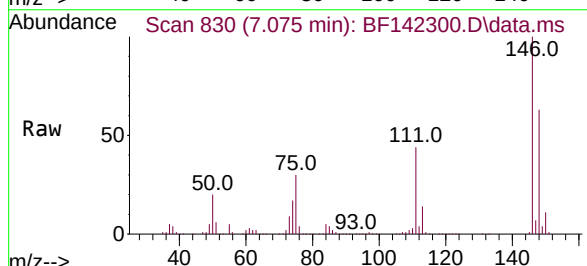
Tgt Ion:146 Resp: 655534

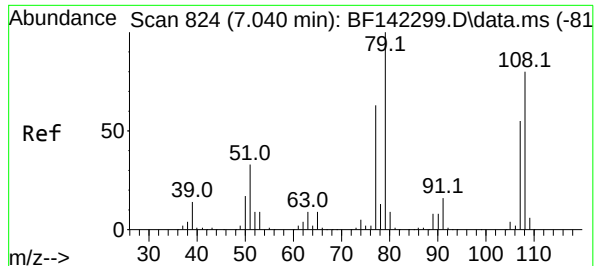
Ion Ratio Lower Upper

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# 81

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

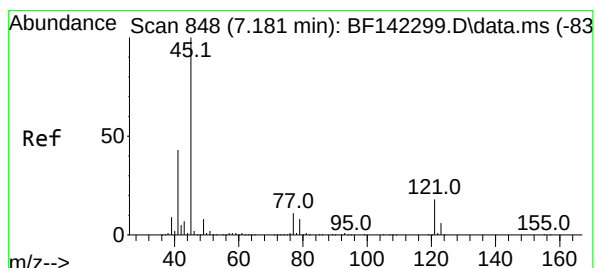
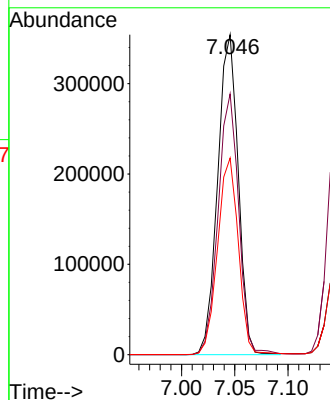
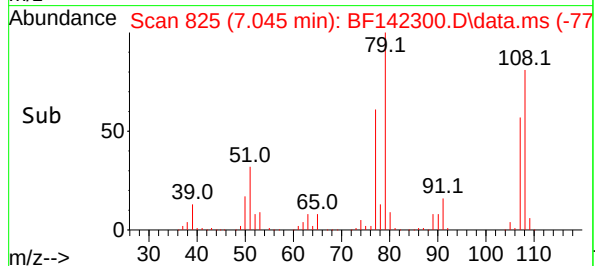
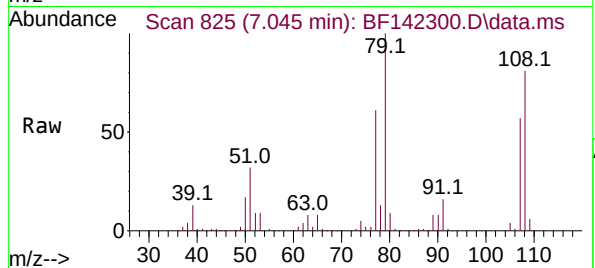
77 61.4 50.7 76.1

Manual Integrations

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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

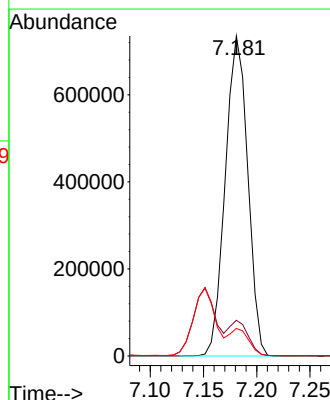
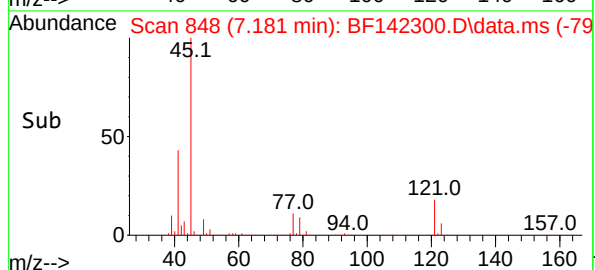
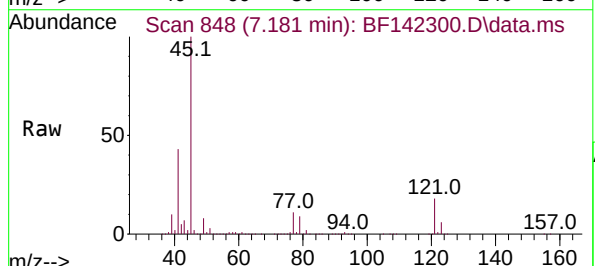
Tgt Ion: 45 Resp: 1077461

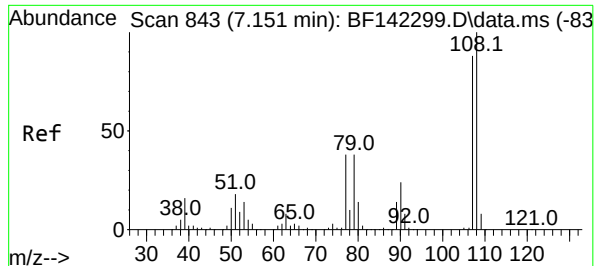
Ion Ratio Lower Upper

45 100

77 11.2 0.0 31.2

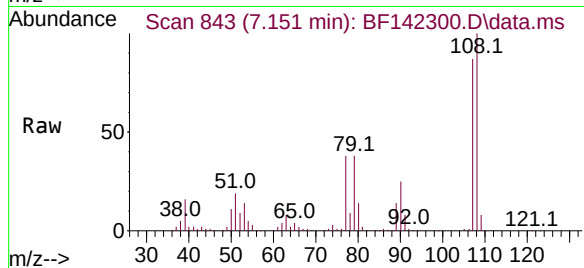
79 8.6 0.0 28.5





#17
2-Methylphenol
Concen: 52.792 ng
RT: 7.151 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

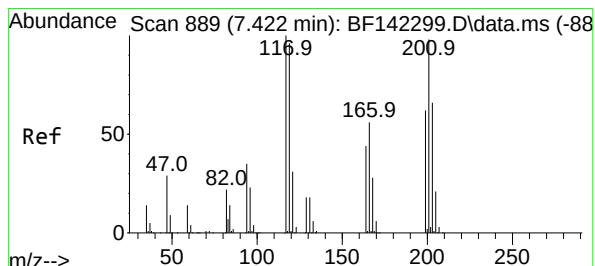
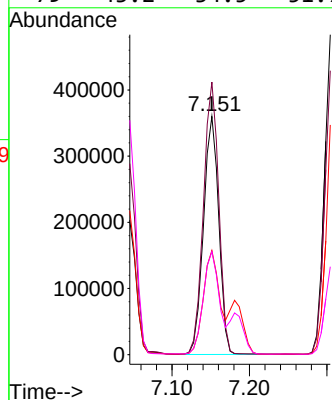
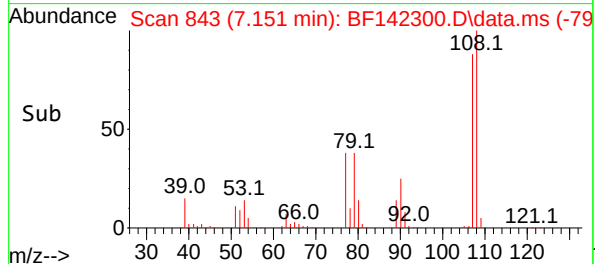
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:107 Resp: 492670
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

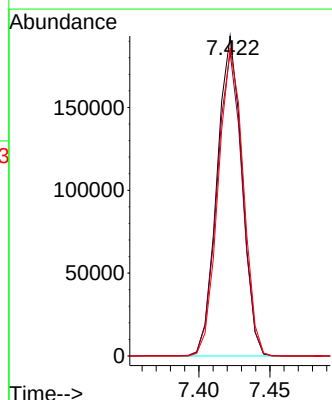
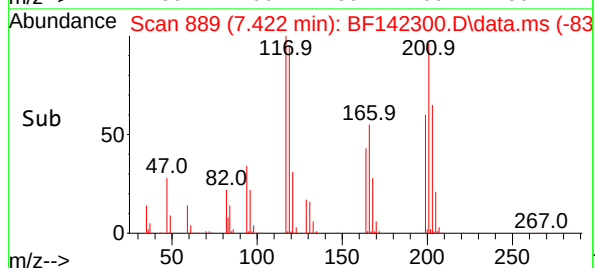
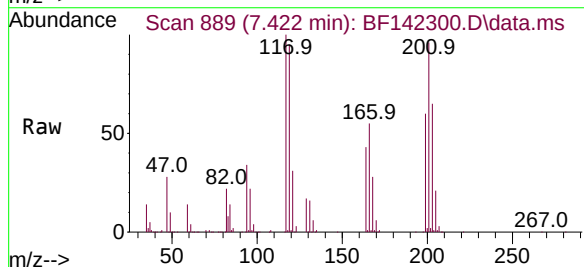
Manual Integrations
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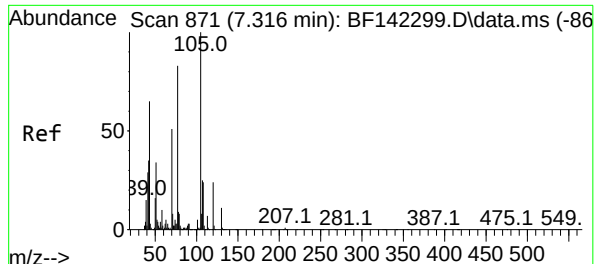
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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# 871

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: 42940

Ion Ratio Lower Upper

70 100

42 68.0 54.8 82.2

101 9.9 7.7 11.5

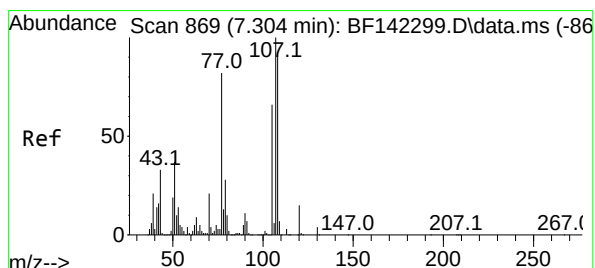
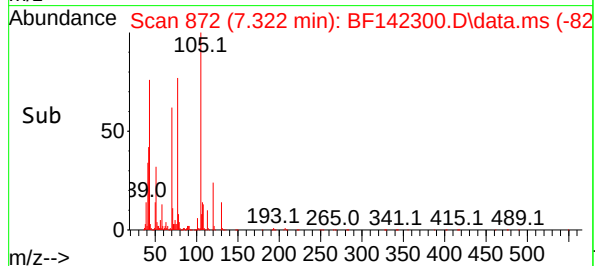
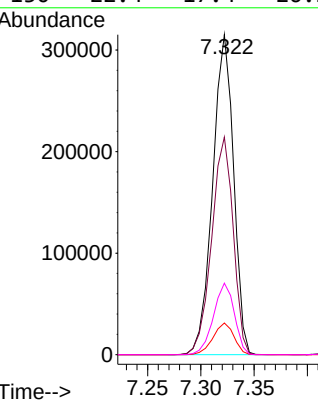
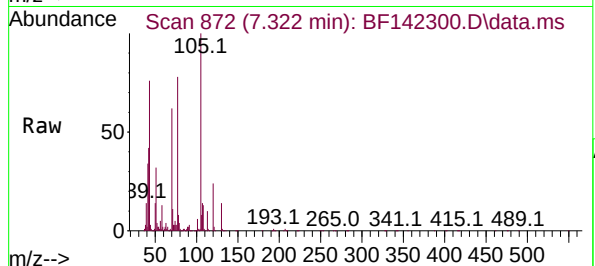
130 22.4 17.4 26.2

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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

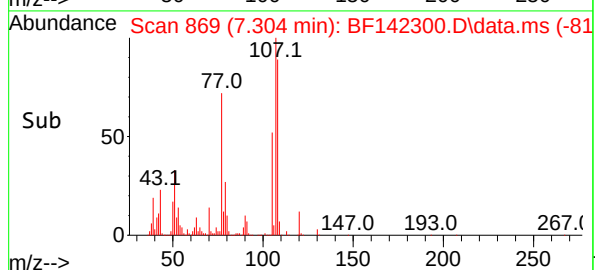
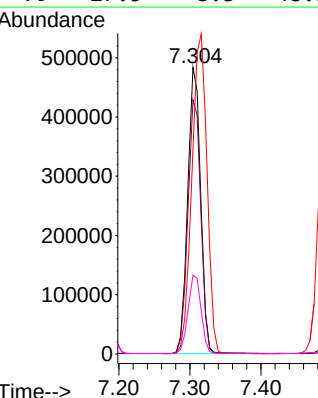
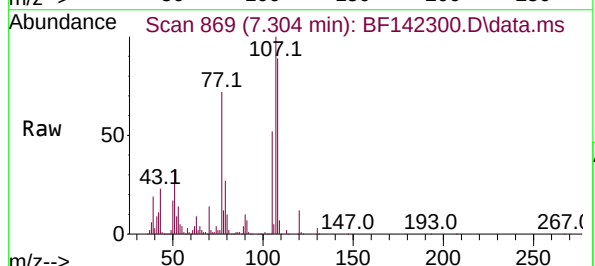
Ion Ratio Lower Upper

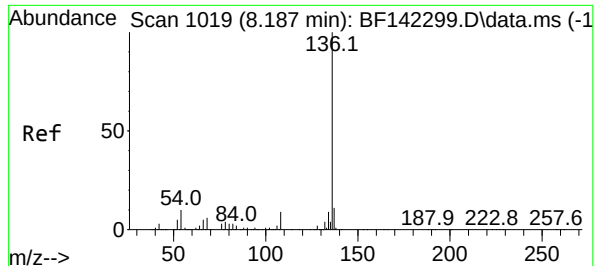
107 100

108 88.7 71.5 111.5

77 71.8 61.6 101.6

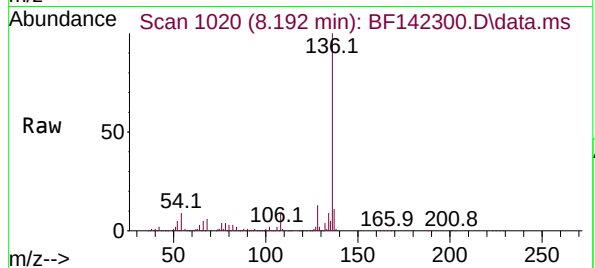
79 27.5 8.3 48.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.192 min Scan# 1019
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

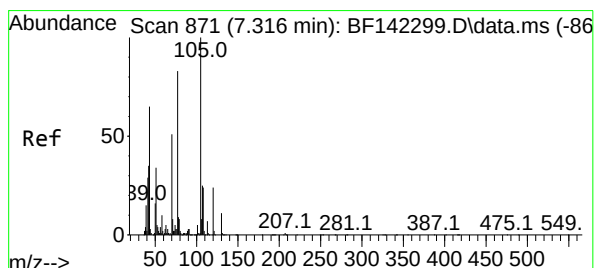
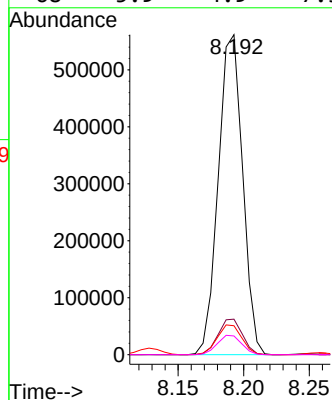
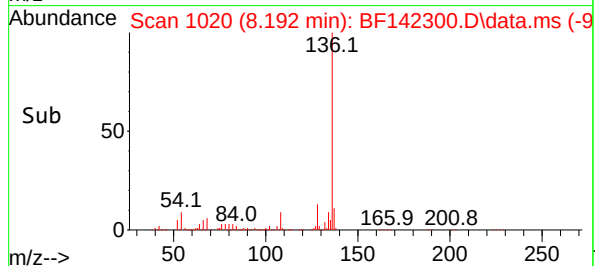
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



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

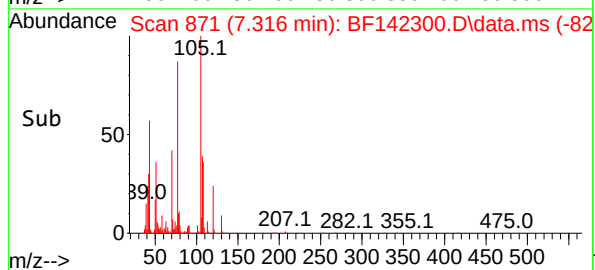
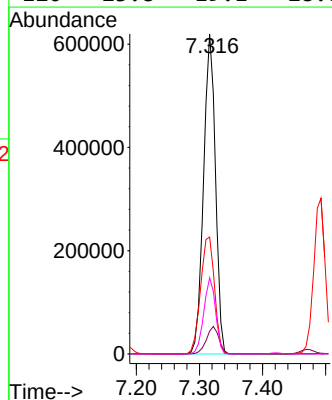
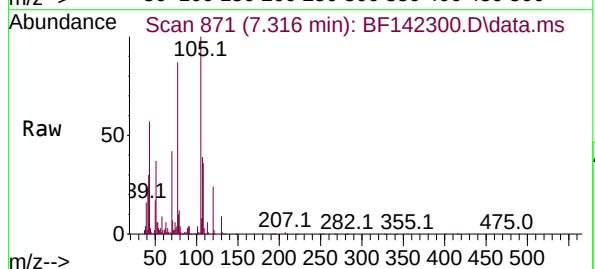
Manual Integrations
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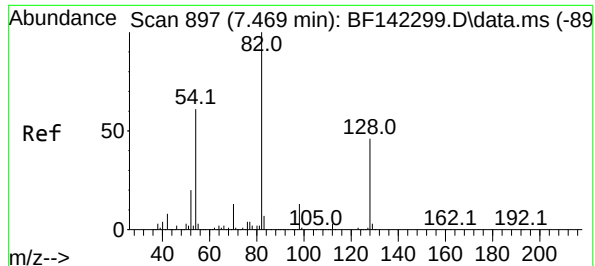
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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# 89

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: 1306350

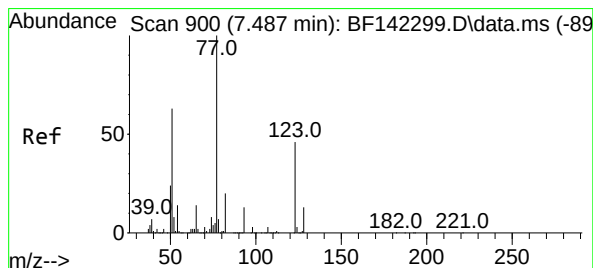
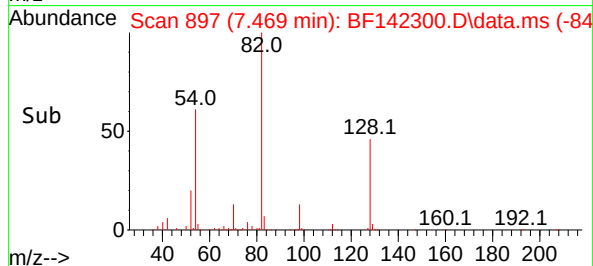
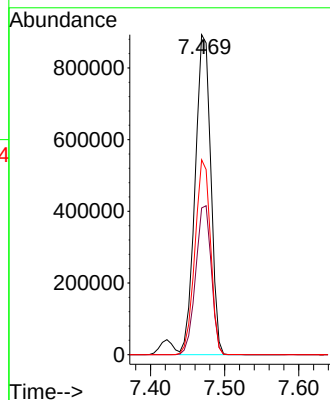
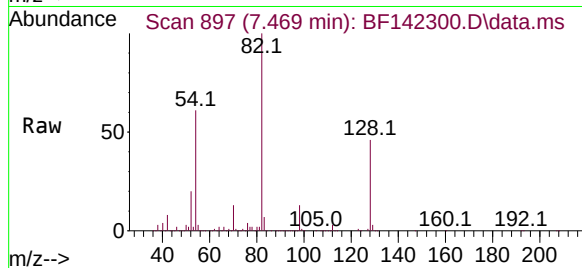
Ion	Ratio	Lower	Upper
82	100		
128	45.8	37.0	55.6
54	60.9	48.6	73.0

Manual Integrations

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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

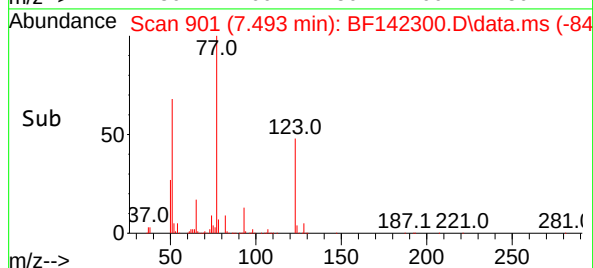
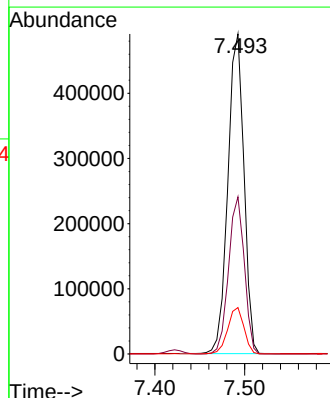
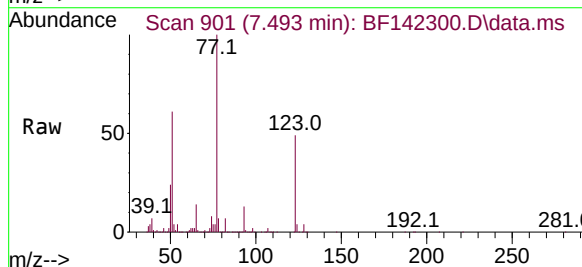
Delta R.T. 0.006 min

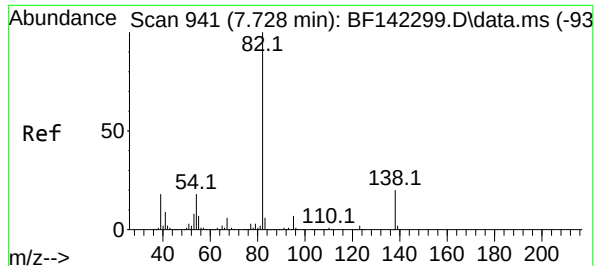
Lab File: BF142300.D

Acq: 05 May 2025 16:18

Tgt Ion: 77 Resp: 610521

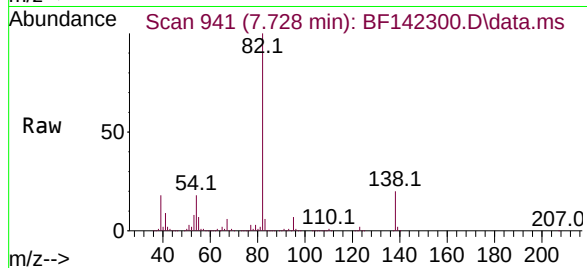
Ion	Ratio	Lower	Upper
77	100		
123	49.1	37.8	56.8
65	14.5	11.4	17.0





#25
Isophorone
Concen: 52.193 ng
RT: 7.728 min Scan# 941
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

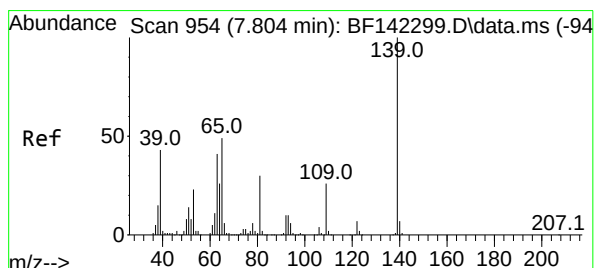
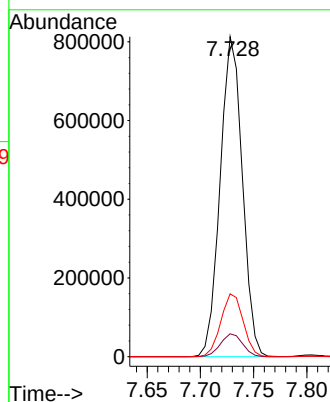
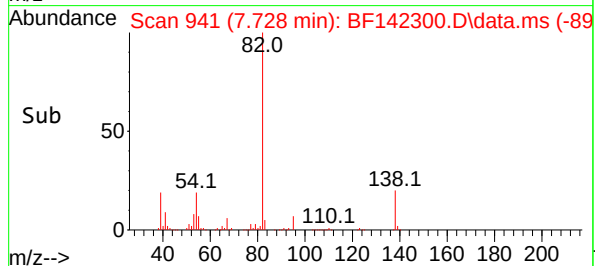
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



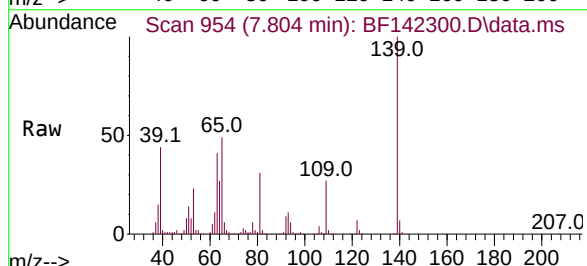
Tgt Ion: 82 Resp: 1175639
Ion Ratio Lower Upper
82 100
95 7.2 5.8 8.8
138 19.7 16.1 24.1

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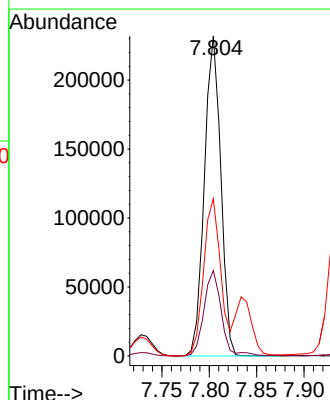
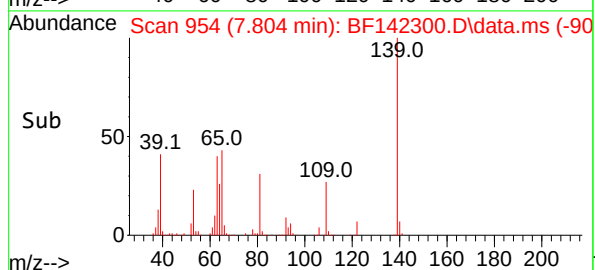
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

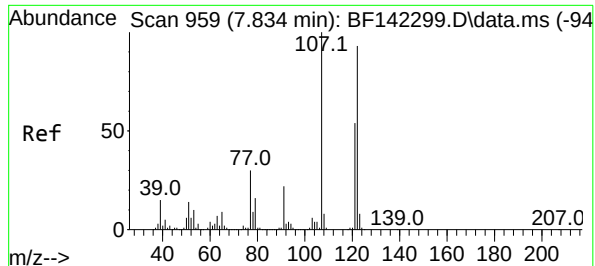


#26
2-Nitrophenol
Concen: 51.463 ng
RT: 7.804 min Scan# 954
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18



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# 959

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

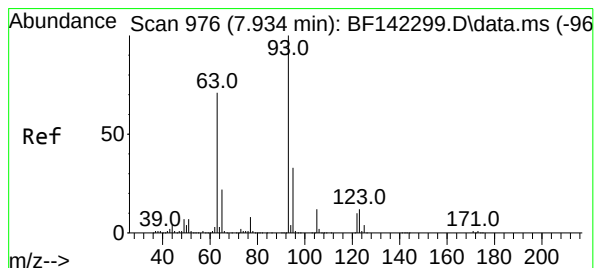
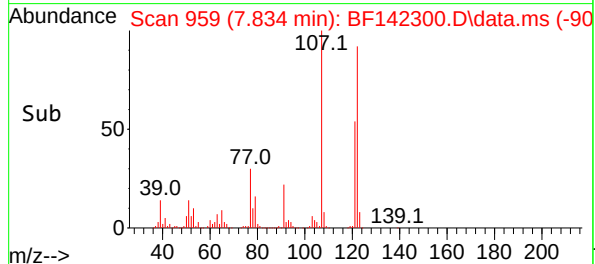
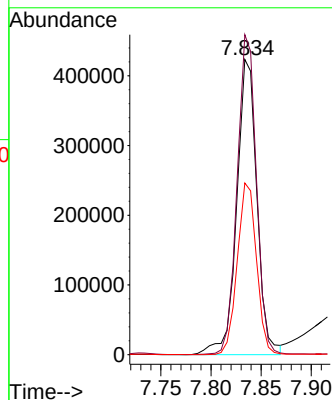
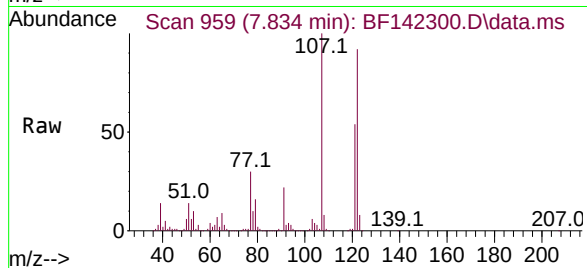
121 58.2 46.2 69.4

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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

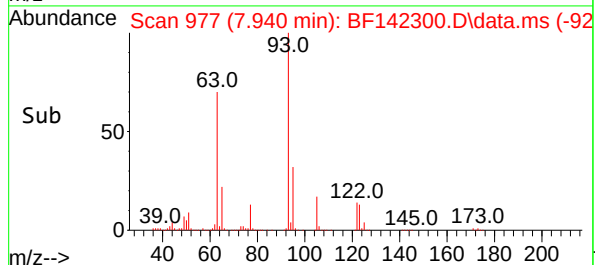
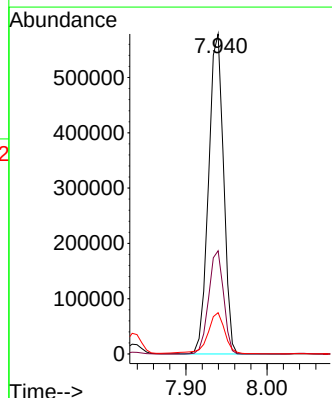
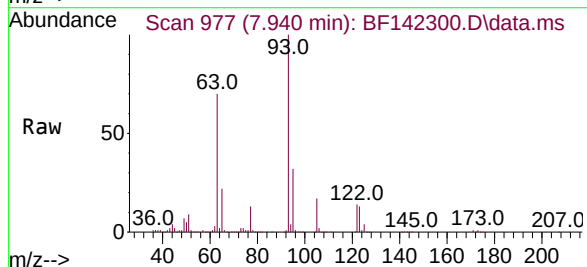
Tgt Ion: 93 Resp: 739692

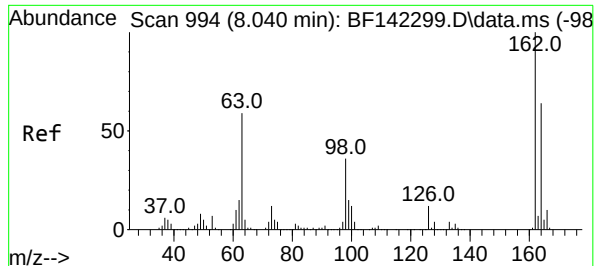
Ion Ratio Lower Upper

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# 994

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: 52167

Ion Ratio Lower Upper

162 100

164 63.4 43.6 83.6

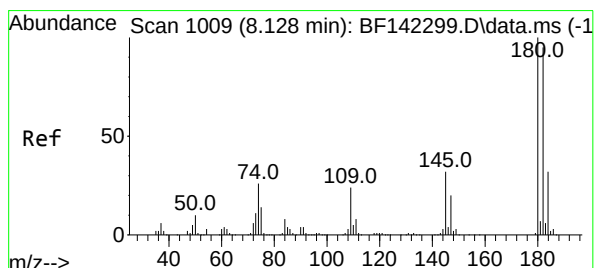
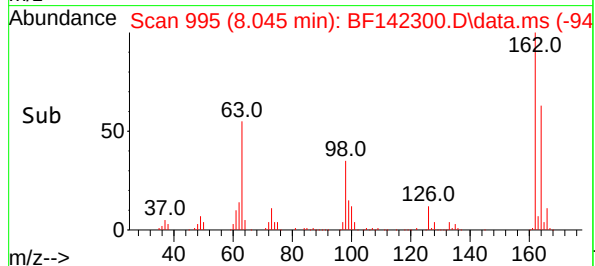
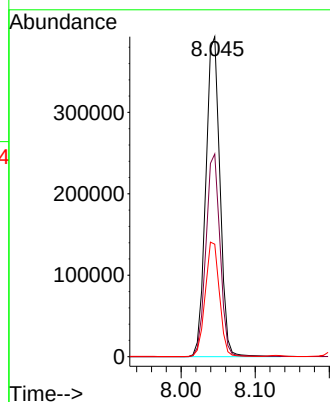
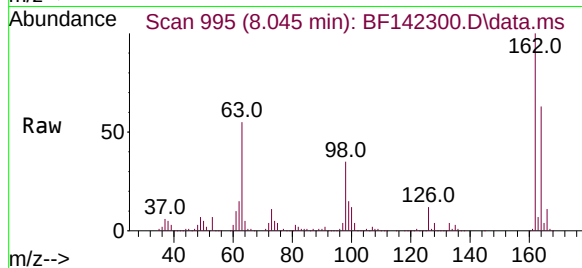
98 35.1 16.5 56.5

Manual Integrations

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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

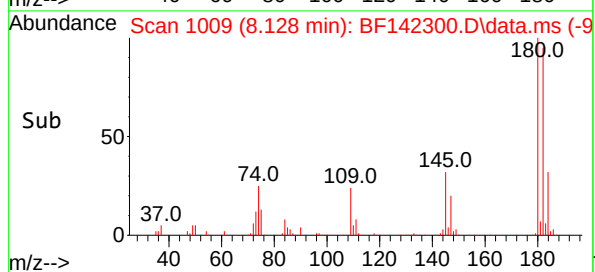
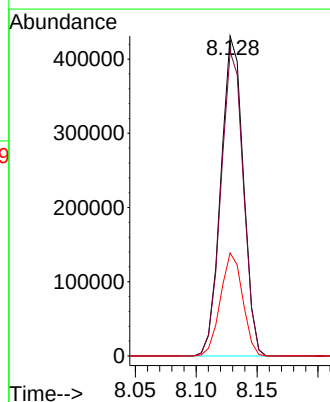
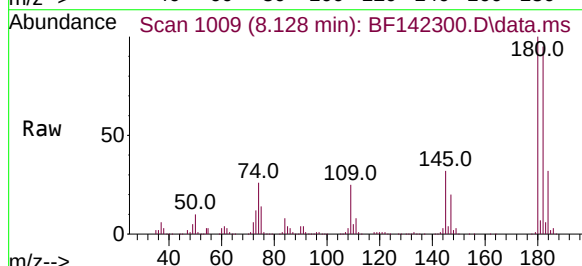
Tgt Ion:180 Resp: 550979

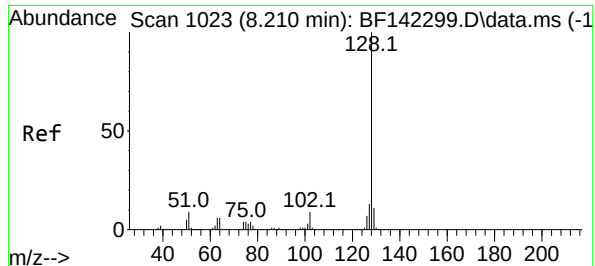
Ion Ratio Lower Upper

180 100

182 95.1 76.2 114.4

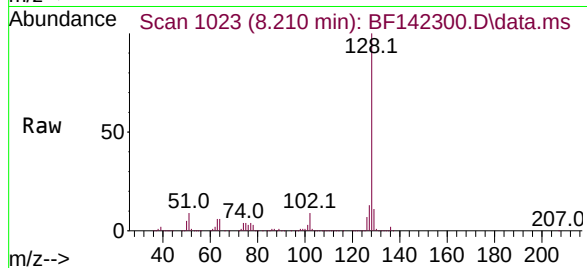
145 32.2 25.8 38.6





#31
Naphthalene
Concen: 50.454 ng
RT: 8.210 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

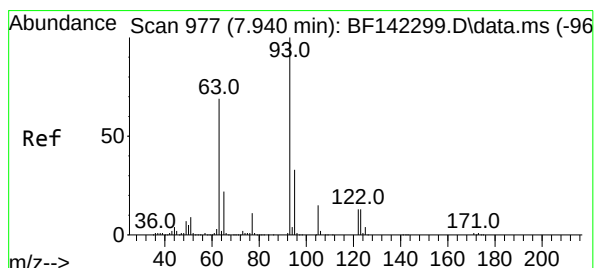
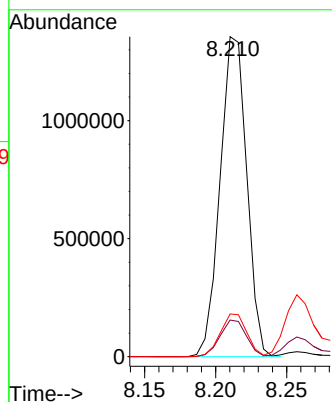
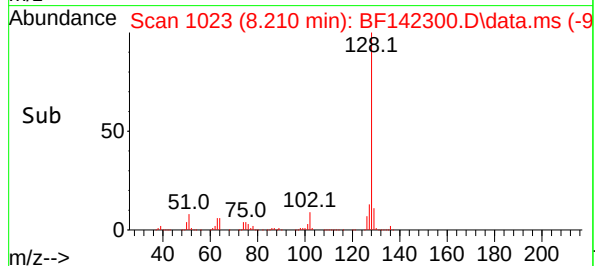
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



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

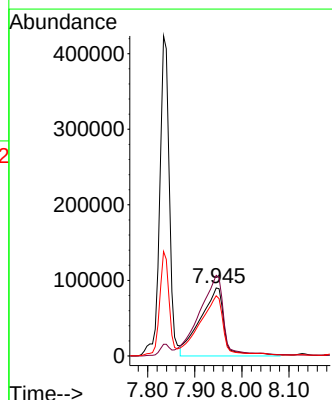
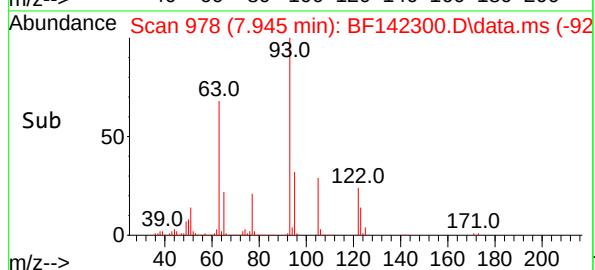
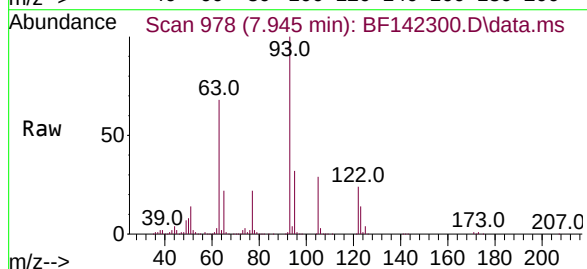
Manual Integrations
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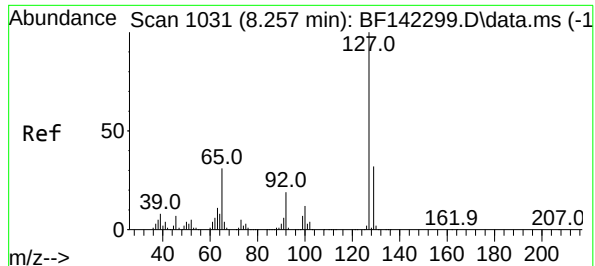
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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# 1031

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: 78932

Ion Ratio Lower Upper

127 100

129 31.8 25.7 38.5

65 30.9 24.9 37.3

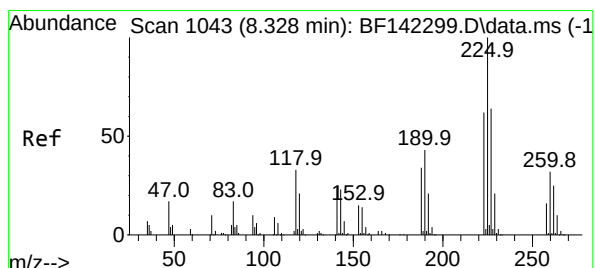
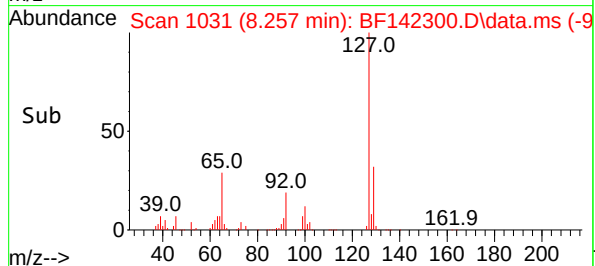
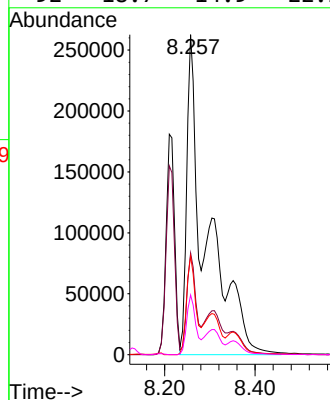
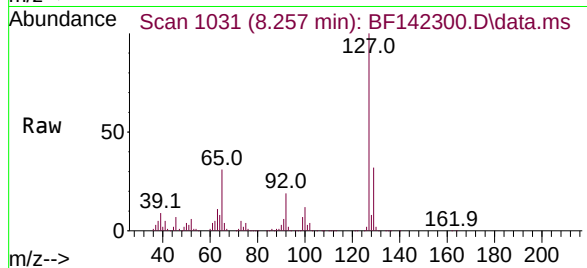
92 18.7 14.9 22.3

Manual Integrations

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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

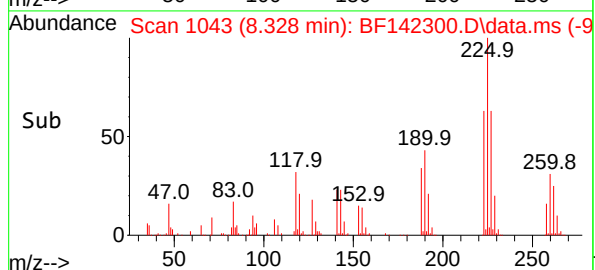
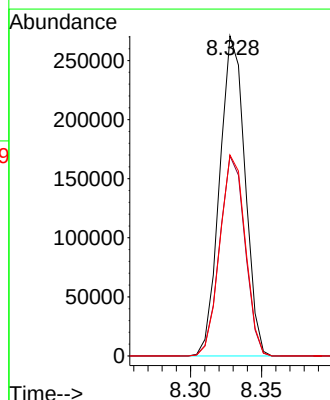
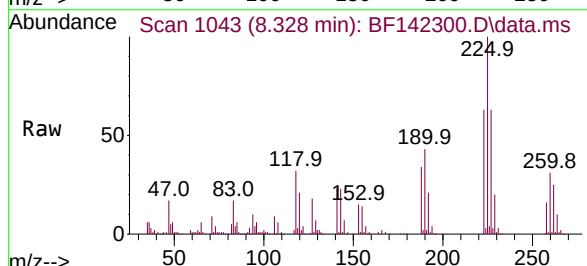
Tgt Ion:225 Resp: 335206

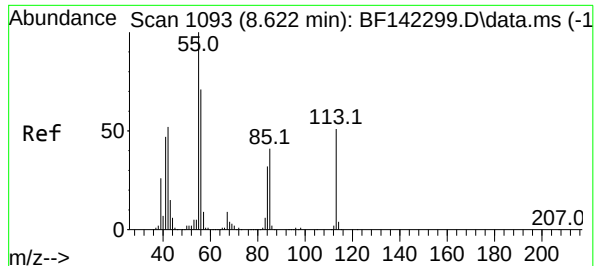
Ion Ratio Lower Upper

225 100

223 62.6 49.8 74.6

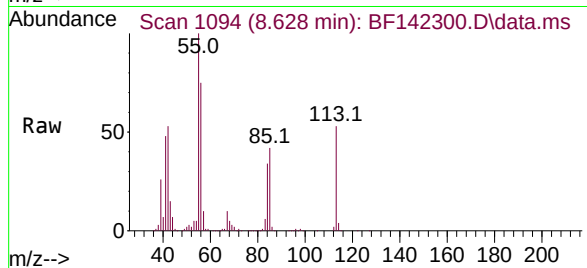
227 62.8 50.9 76.3





#35
 Caprolactam
 Concen: 57.291 ng
 RT: 8.628 min Scan# 1093
 Delta R.T. 0.006 min
 Lab File: BF142300.D
 Acq: 05 May 2025 16:18

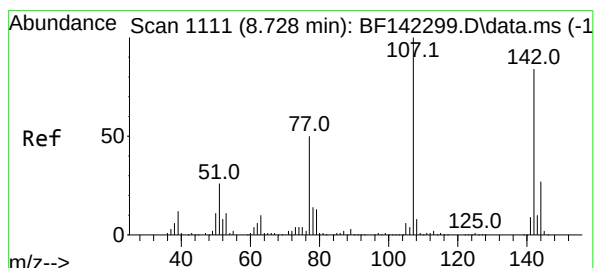
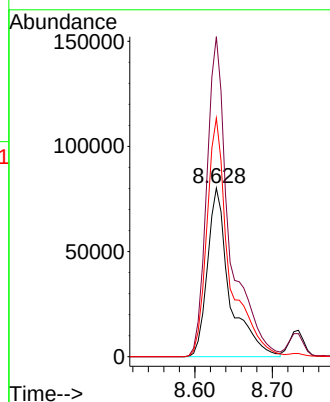
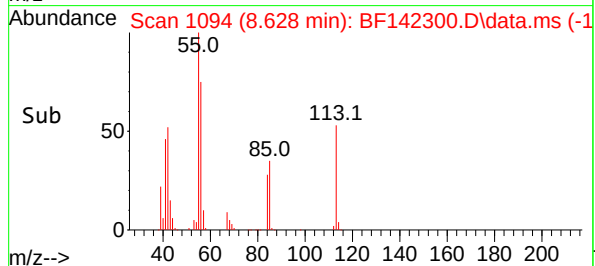
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050



Tgt Ion:113 Resp: 16042
 Ion Ratio Lower Upper
 113 100
 55 189.7 176.4 216.4
 56 141.4 120.3 160.3

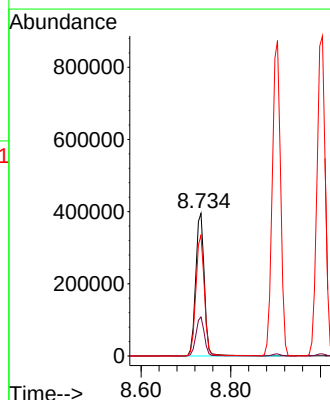
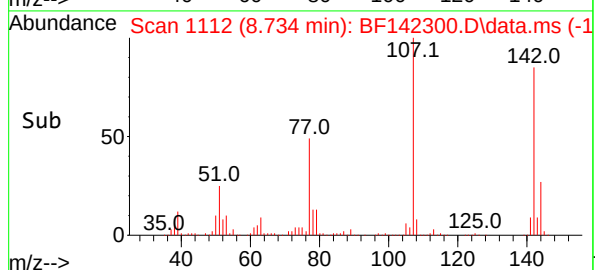
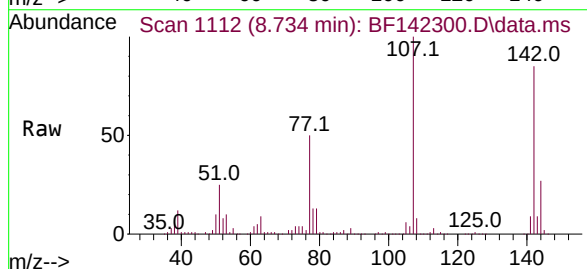
Manual Integrations
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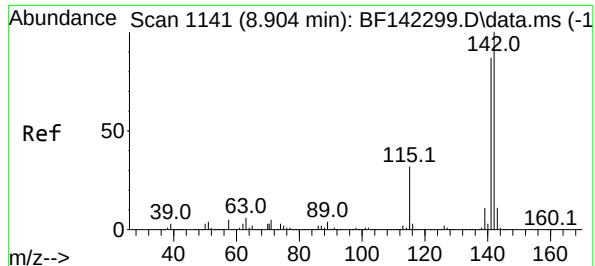
Reviewed By :Rahul Chavli 05/06/2025
 Supervised By :Jagrut Upadhyay 05/06/2025



#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# 1141

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: 111498

Ion Ratio Lower Upper

142 100

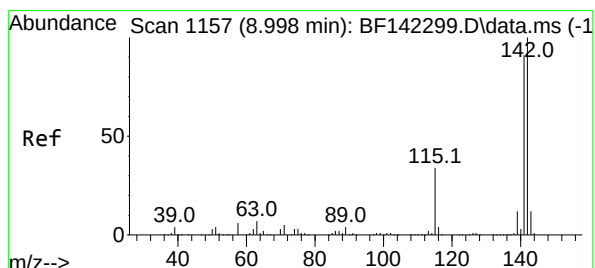
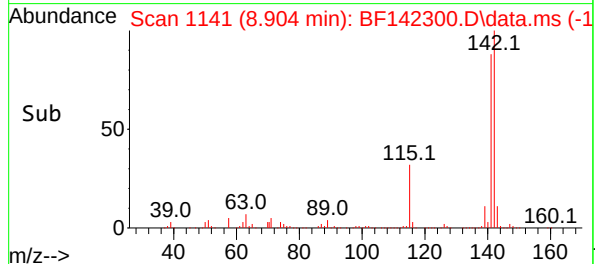
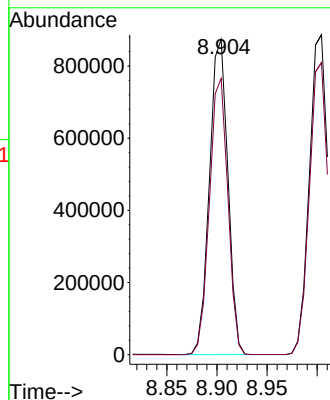
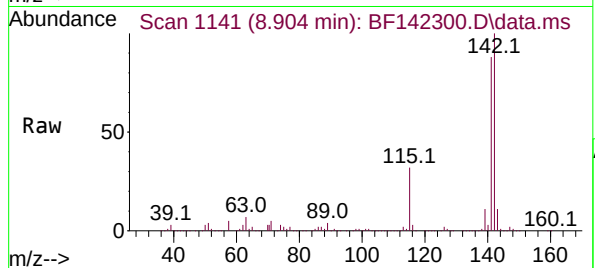
141 87.6 69.4 104.2

Manual Integrations

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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

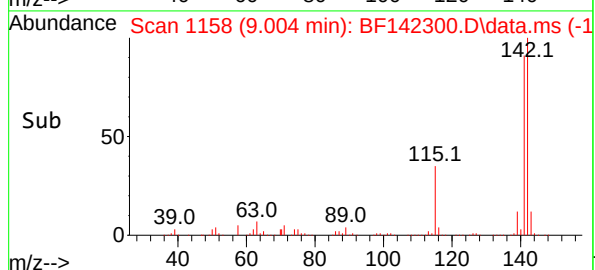
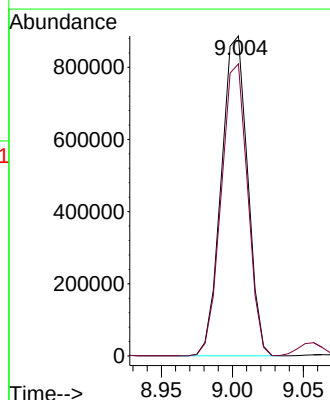
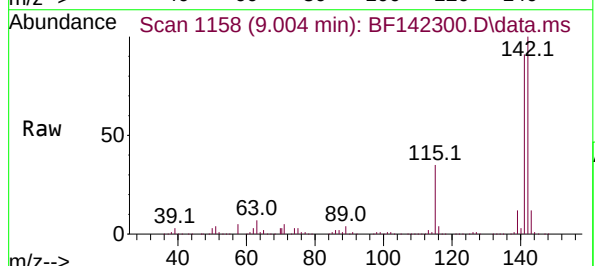
Acq: 05 May 2025 16:18

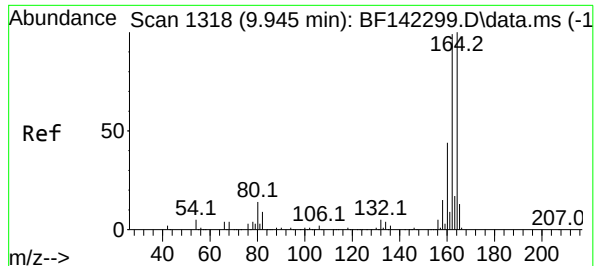
Tgt Ion:142 Resp: 1142120

Ion Ratio Lower Upper

142 100

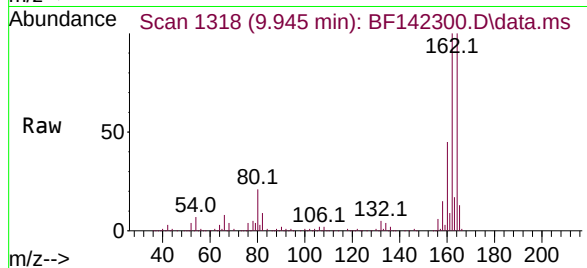
141 91.3 72.5 108.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1118
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

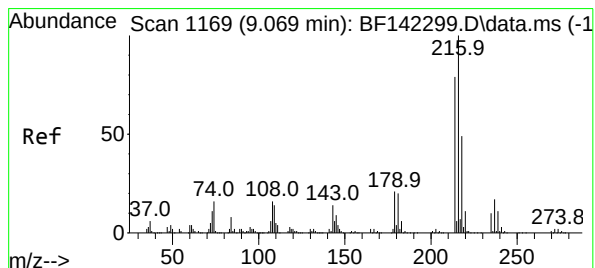
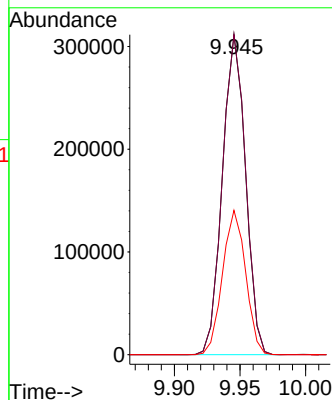
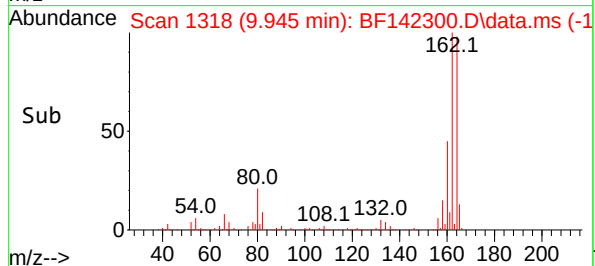
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:164 Resp: 38158
Ion Ratio Lower Upper
164 100
162 100.0 79.2 118.8
160 45.1 35.3 52.9

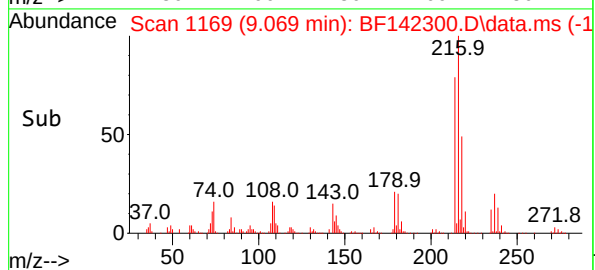
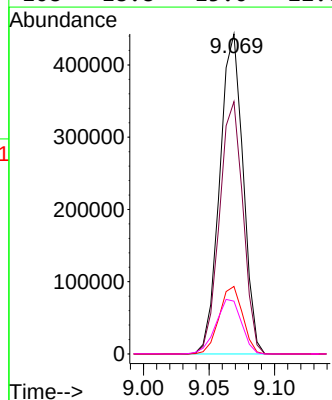
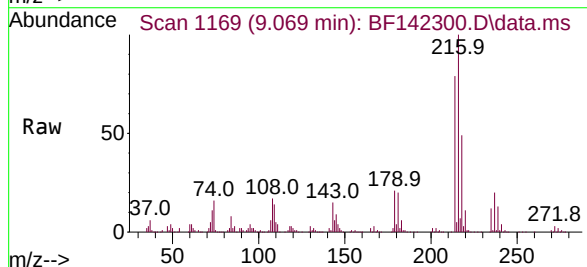
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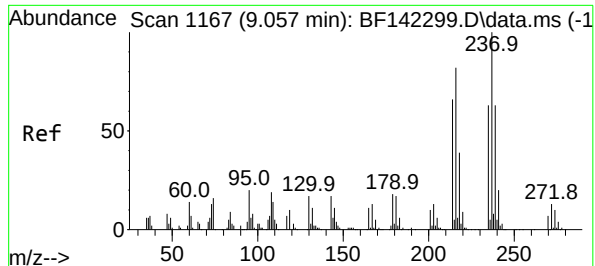
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

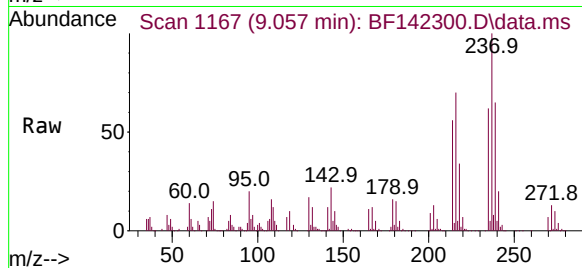
Tgt Ion:216 Resp: 547513
Ion Ratio Lower Upper
216 100
214 79.2 63.8 95.6
179 21.2 17.0 25.6
108 18.8 15.0 22.6





#41
Hexachlorocyclopentadiene
Concen: 56.140 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

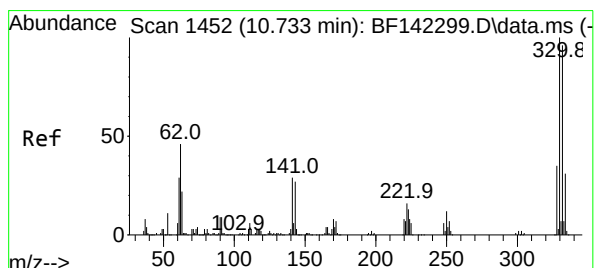
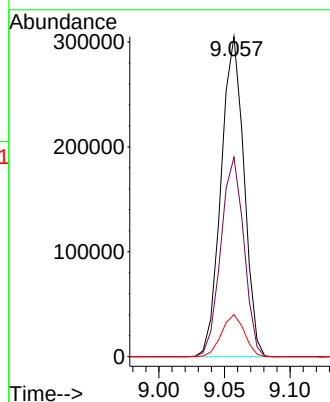
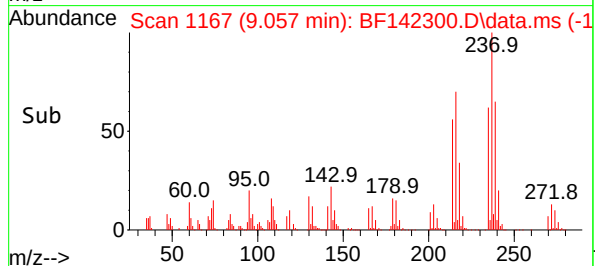
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



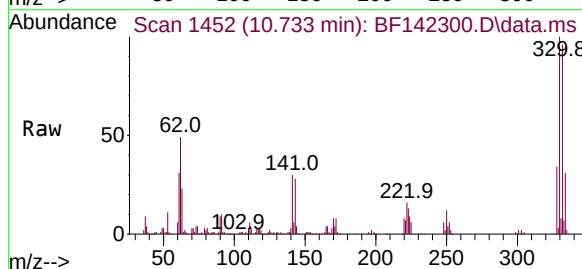
Tgt Ion:237 Resp: 36976
Ion Ratio Lower Upper
237 100
235 62.3 42.8 82.8
272 13.2 0.0 33.0

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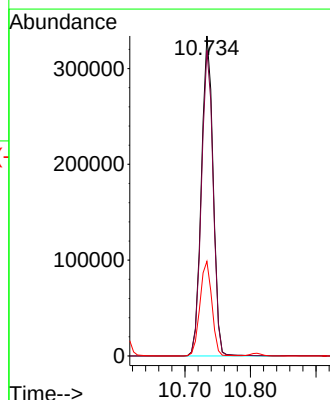
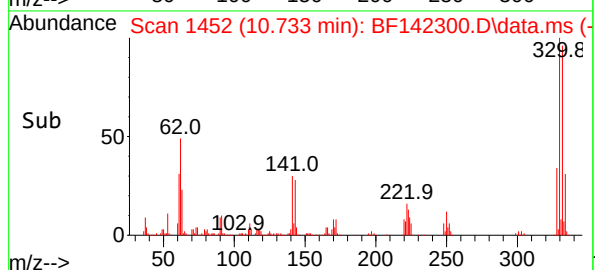
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

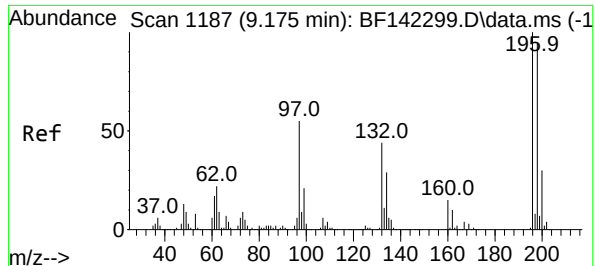


#42
2,4,6-Tribromophenol
Concen: 113.025 ng
RT: 10.733 min Scan# 1452
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18



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# 1187

Delta R.T. 0.000 min

Lab File: BF142300.D

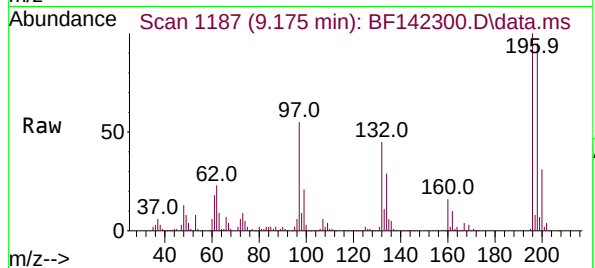
Acq: 05 May 2025 16:18

Instrument :

BNA_F

ClientSampleId :

SSTDICC050



Tgt Ion:196 Resp: 37512

Ion Ratio Lower Upper

196 100

198 95.2 75.4 113.0

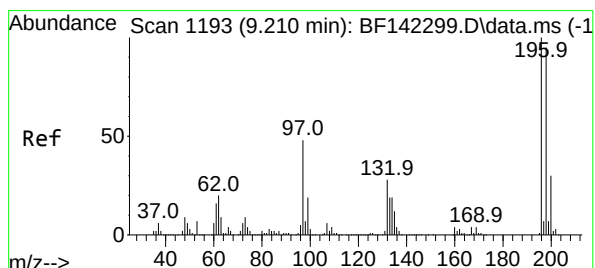
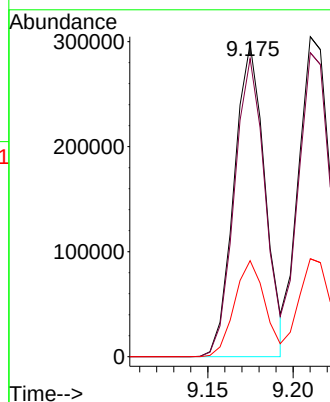
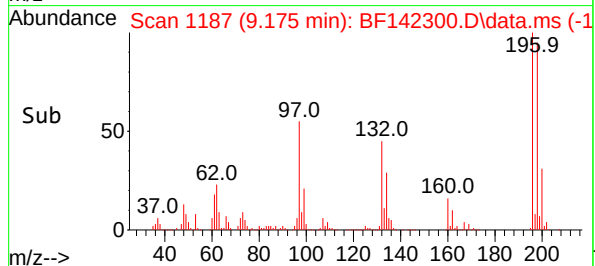
200 30.7 24.3 36.5

Manual Integrations

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Reviewed By :Rahul Chavli 05/06/2025

Supervised By :Jagrut Upadhyay 05/06/2025



#44

2,4,5-Trichlorophenol

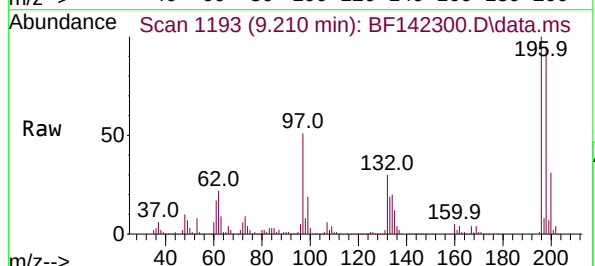
Concen: 55.134 ng

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

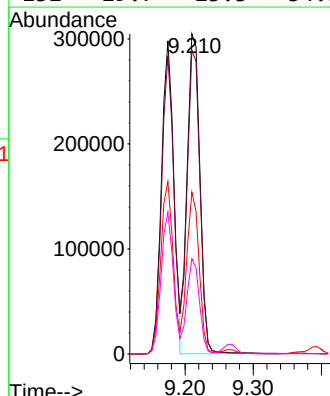
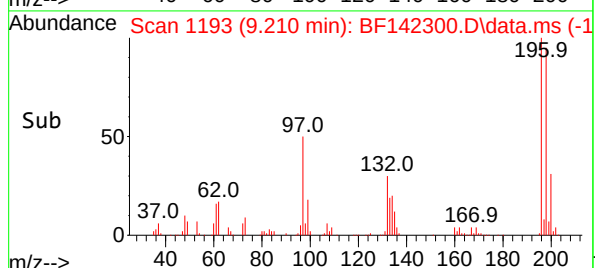
Ion Ratio Lower Upper

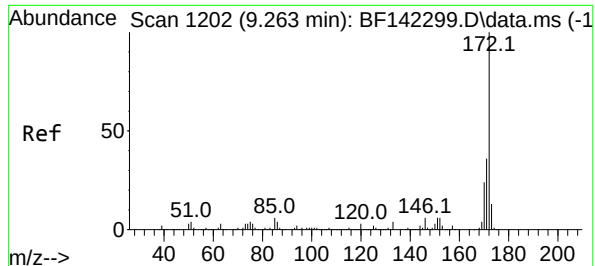
196 100

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# 11

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: 255013

Ion Ratio Lower Upper

172 100

171 36.4 28.6 42.8

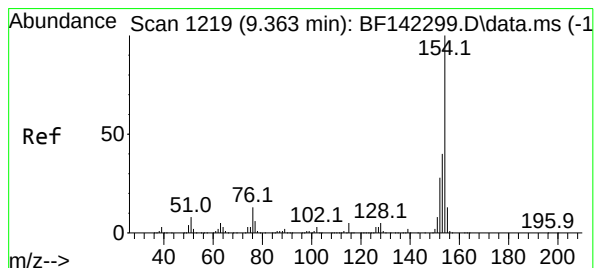
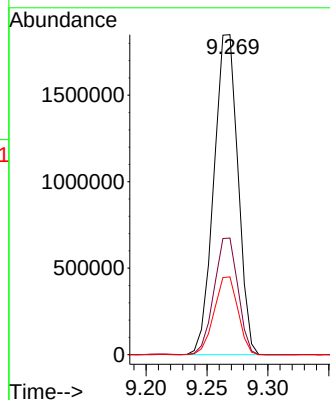
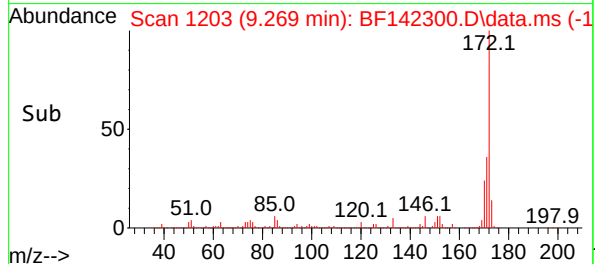
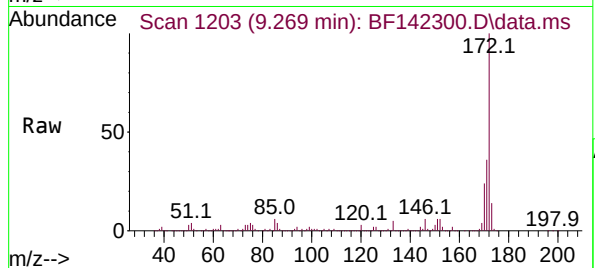
170 24.3 19.0 28.4

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

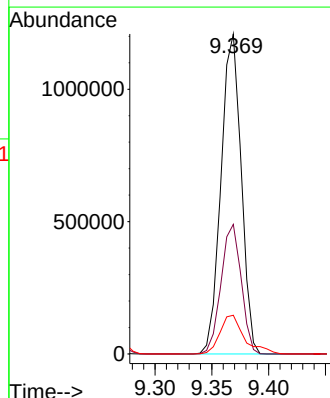
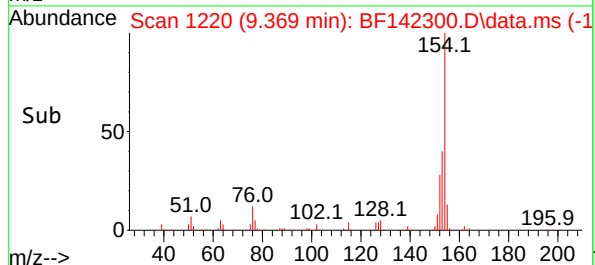
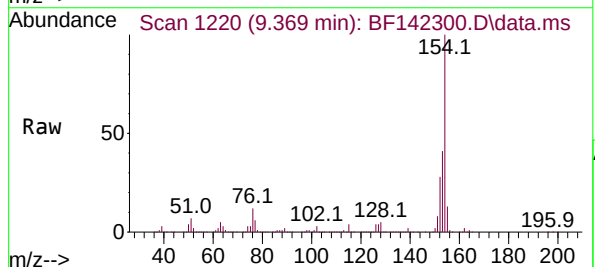
Tgt Ion:154 Resp: 1494596

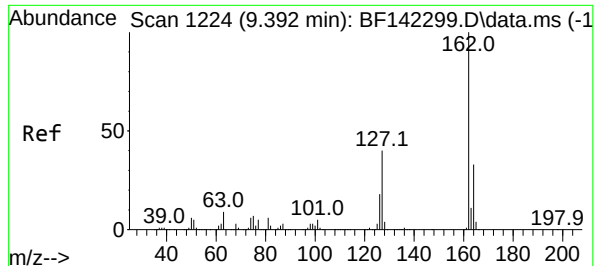
Ion Ratio Lower Upper

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# 1224

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: 110193

Ion Ratio Lower Upper

162 100

127 41.2 32.3 48.5

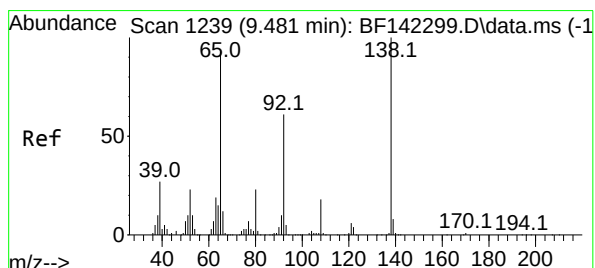
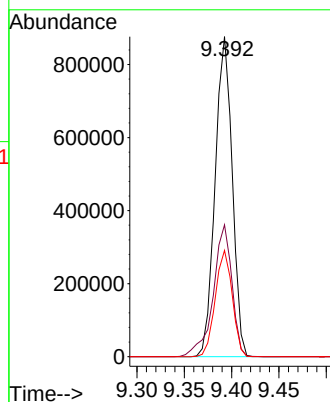
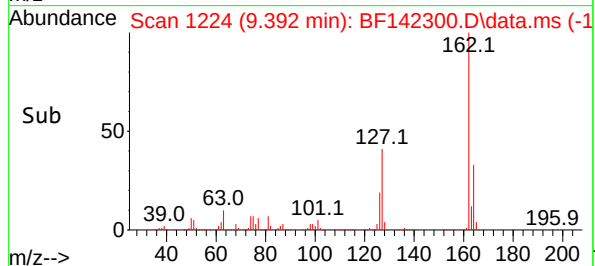
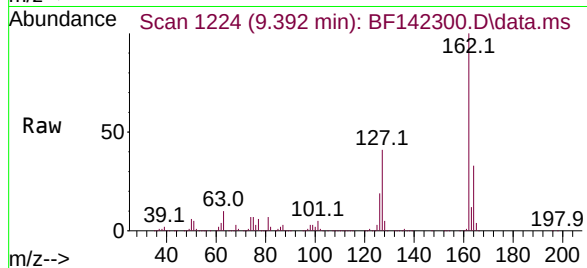
164 33.2 26.6 40.0

Manual Integrations

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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

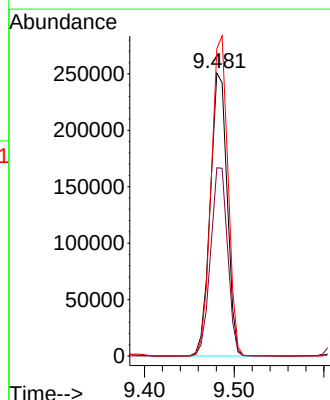
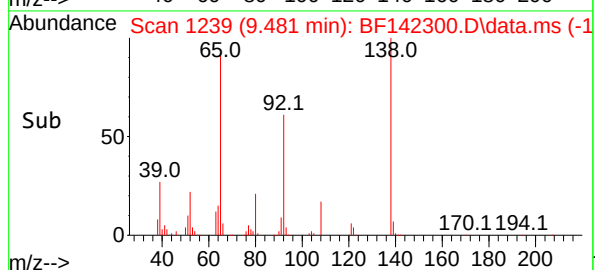
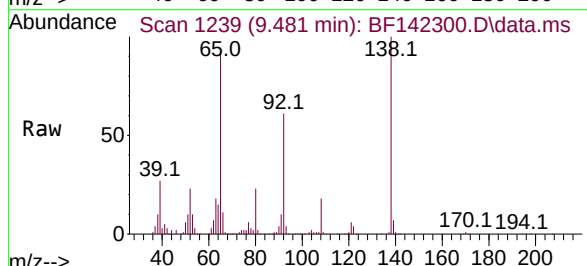
Tgt Ion: 65 Resp: 327821

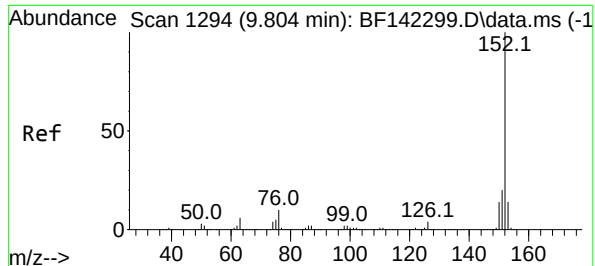
Ion Ratio Lower Upper

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# 11

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: 186826

Ion Ratio Lower Upper

152 100

151 20.3 16.0 24.0

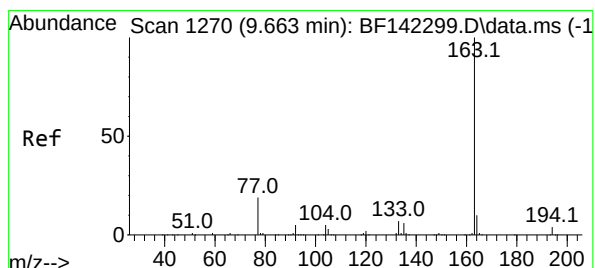
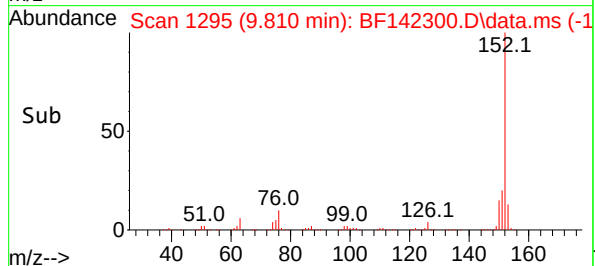
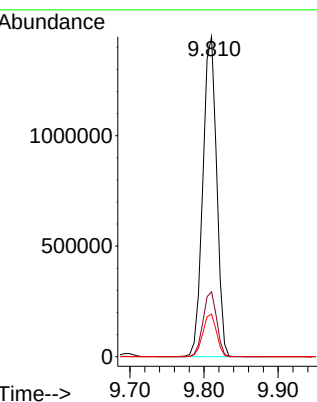
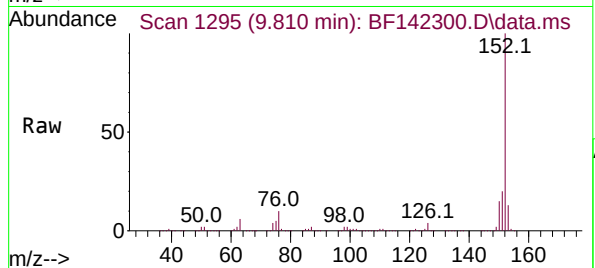
153 13.3 10.8 16.2

Manual Integrations

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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

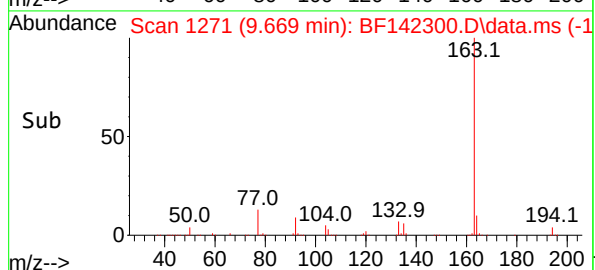
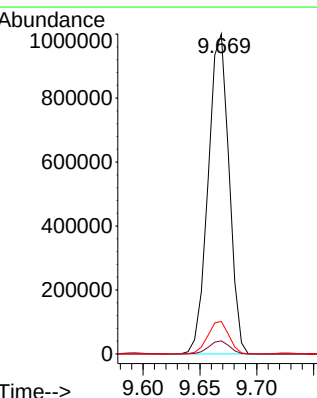
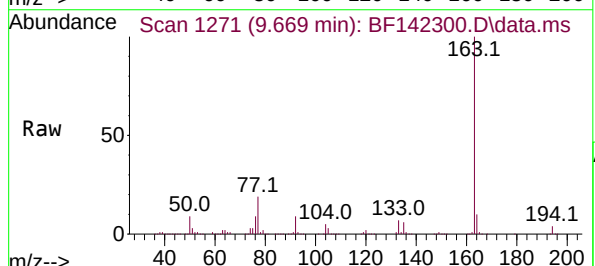
Tgt Ion:163 Resp: 1280292

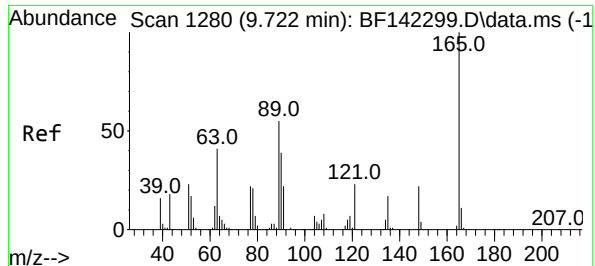
Ion Ratio Lower Upper

163 100

194 4.1 3.2 4.8

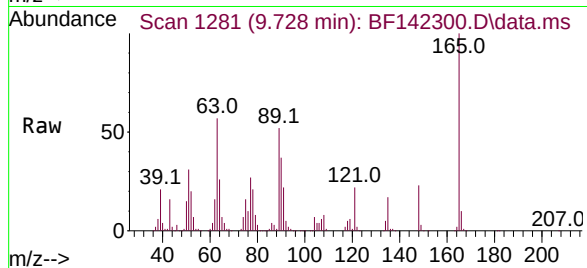
164 10.2 8.3 12.5





#51
2,6-Dinitrotoluene
Concen: 58.331 ng
RT: 9.728 min Scan# 1280
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

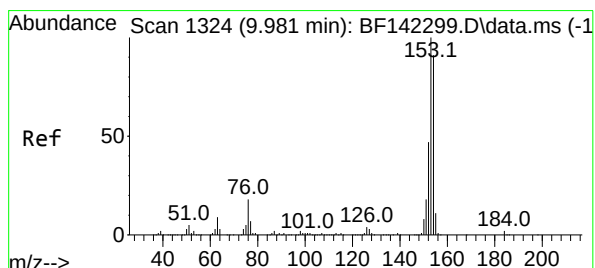
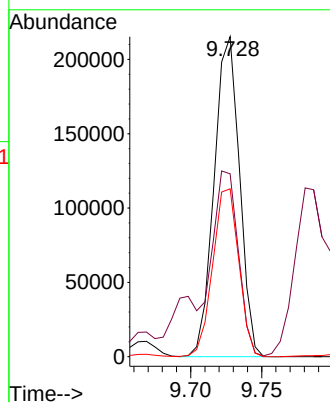
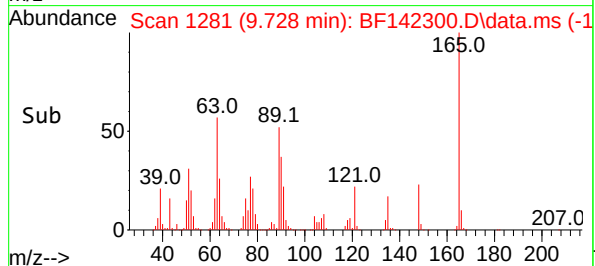
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



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

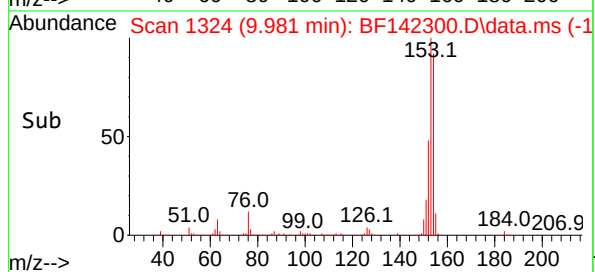
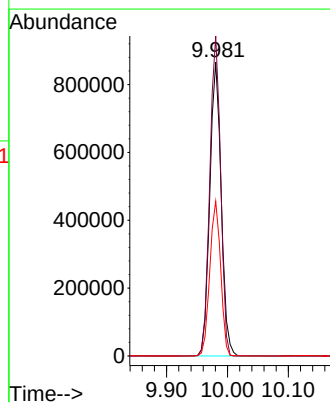
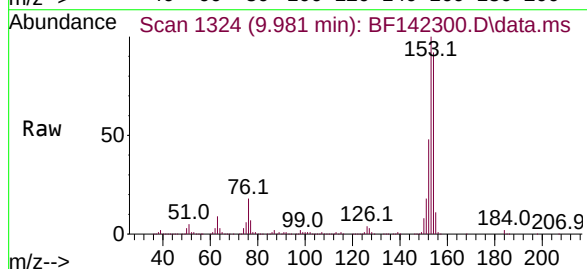
Manual Integrations
APPROVED

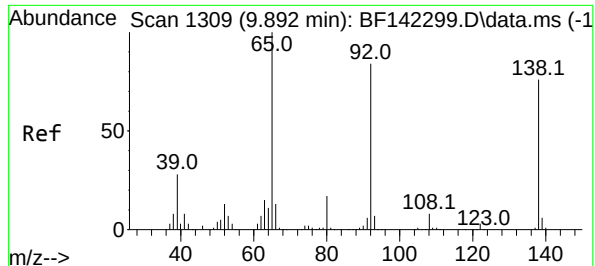
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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





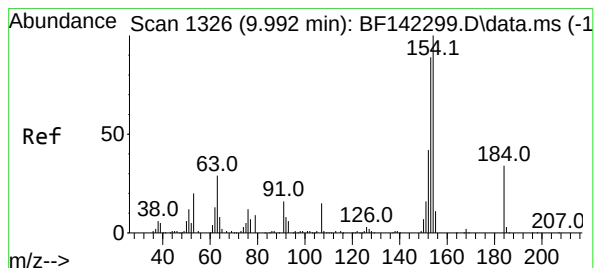
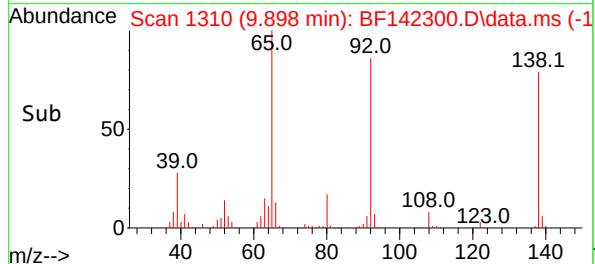
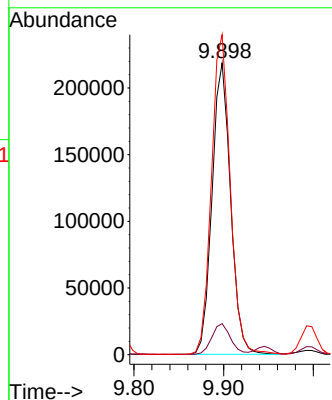
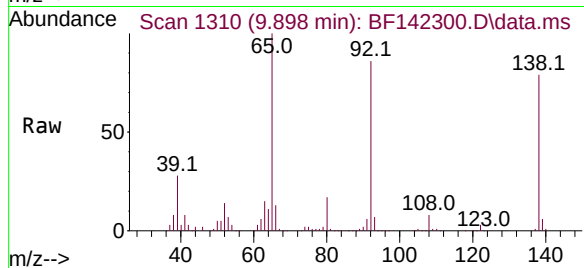
#53
3-Nitroaniline
Concen: 58.354 ng
RT: 9.898 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:138 Resp: 31388
Ion Ratio Lower Upper
138 100
108 10.7 8.7 13.1
92 109.7 89.5 134.3

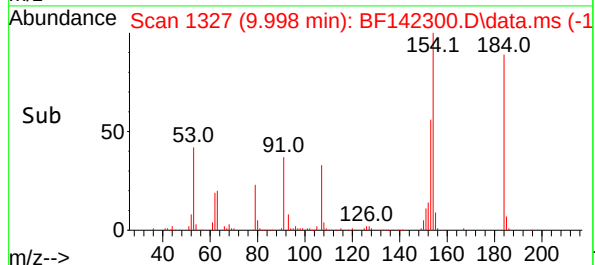
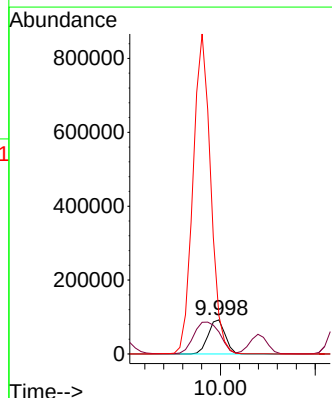
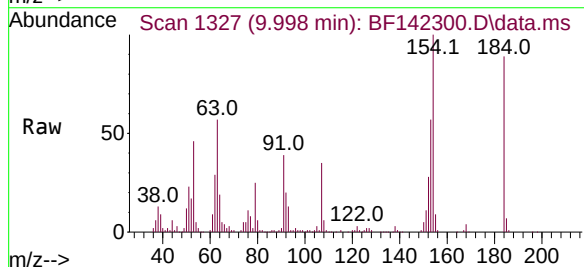
Manual Integrations
APPROVED

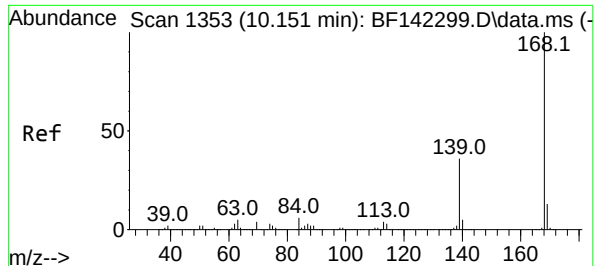
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

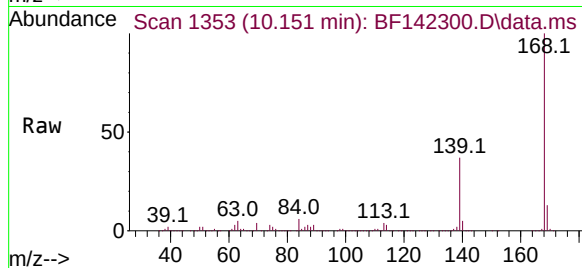
Tgt Ion:184 Resp: 114759
Ion Ratio Lower Upper
184 100
63 64.7 70.6 105.8#
154 112.5 257.2 385.8#





#55
Dibenzenofuran
Concen: 50.542 ng
RT: 10.151 min Scan# 1353
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

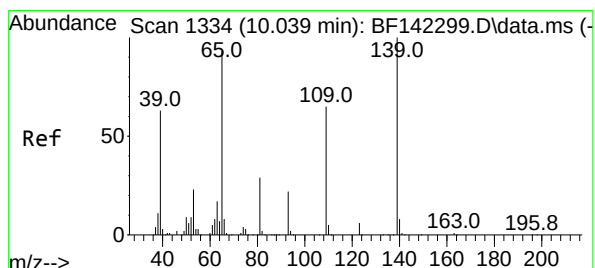
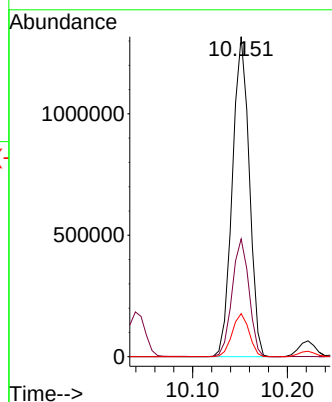
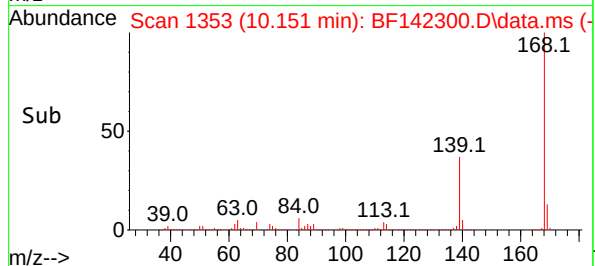
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



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

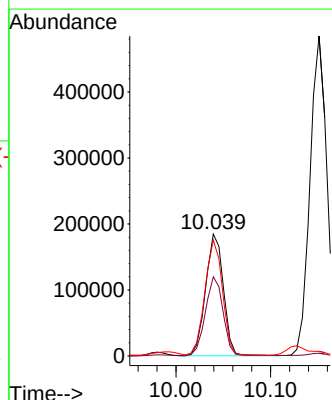
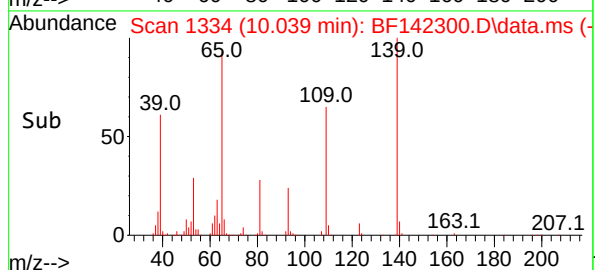
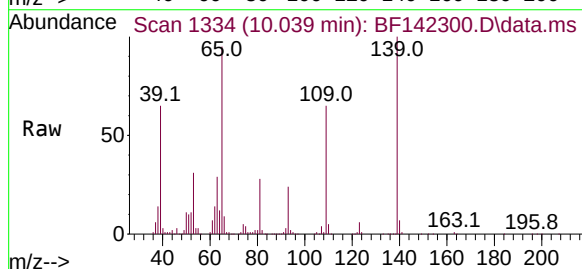
Manual Integrations
APPROVED

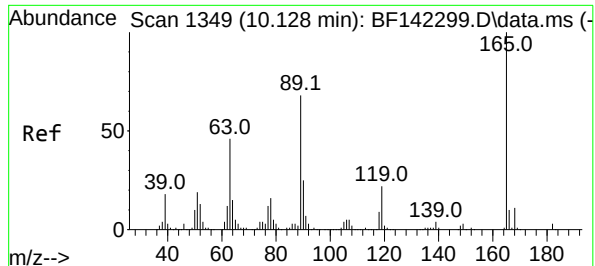
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

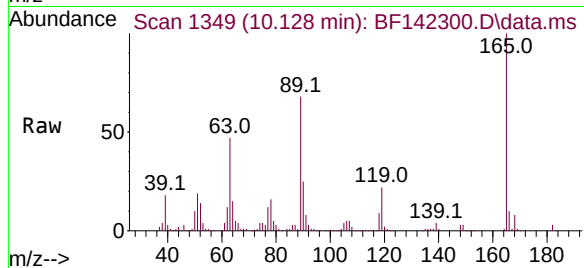
Tgt Ion:139 Resp: 240972
Ion Ratio Lower Upper
139 100
109 64.9 45.3 85.3
65 95.0 73.9 113.9





#57
2,4-Dinitrotoluene
Concen: 59.620 ng
RT: 10.128 min Scan# 1349
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

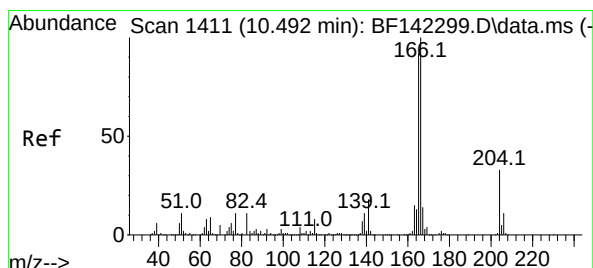
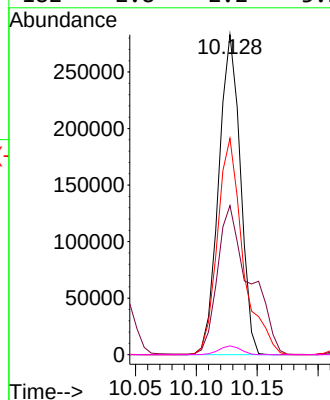
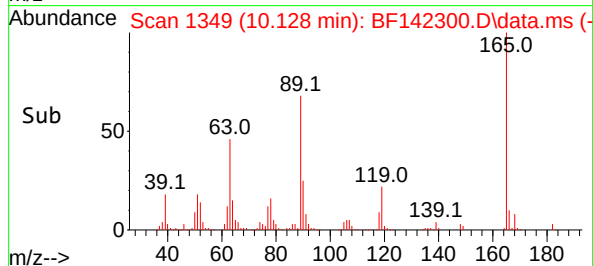
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



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

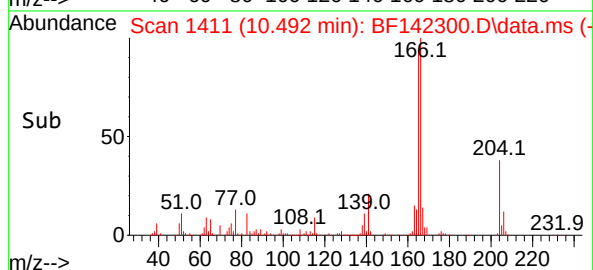
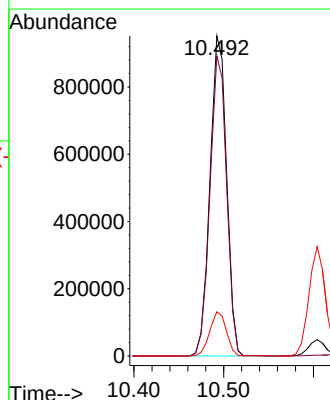
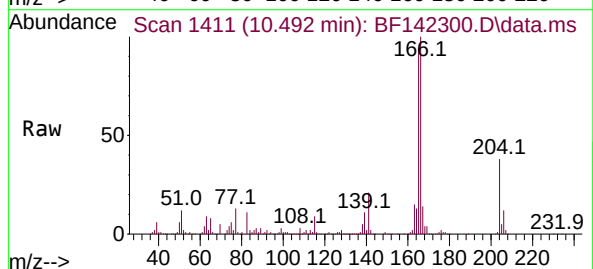
Manual Integrations
APPROVED

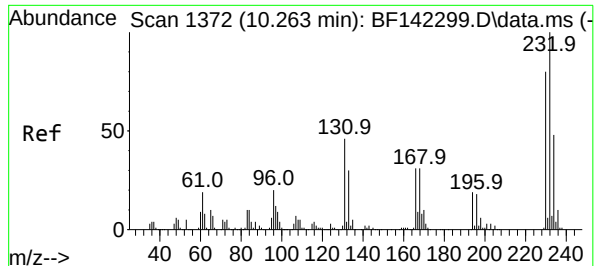
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

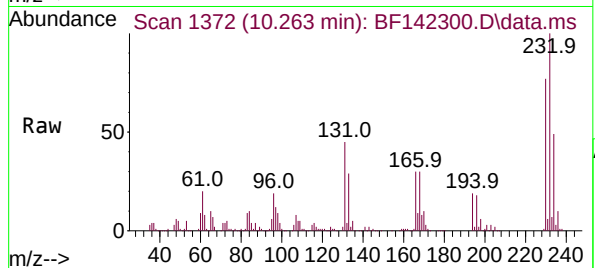
Tgt Ion:166 Resp: 1224371
Ion Ratio Lower Upper
166 100
165 93.8 74.0 111.0
167 13.8 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 55.542 ng
RT: 10.263 min Scan# 1372
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

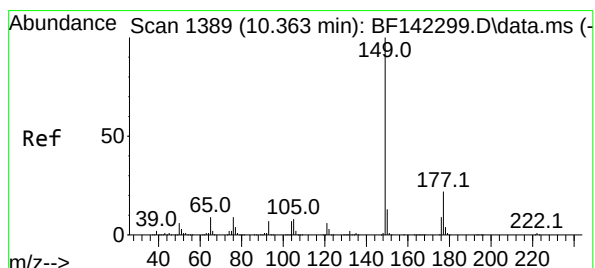
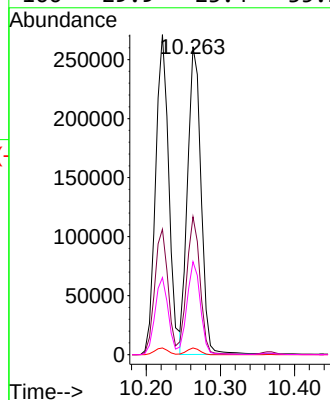
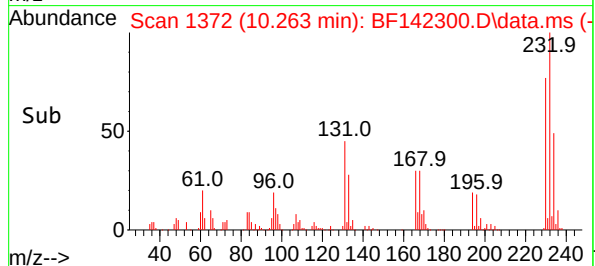
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:232 Resp: 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

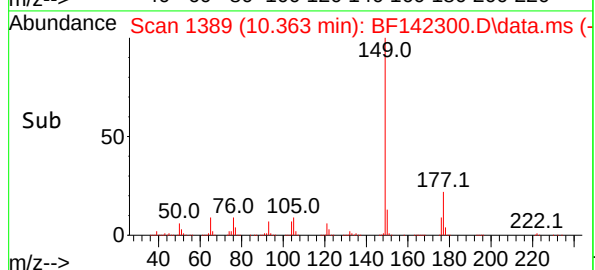
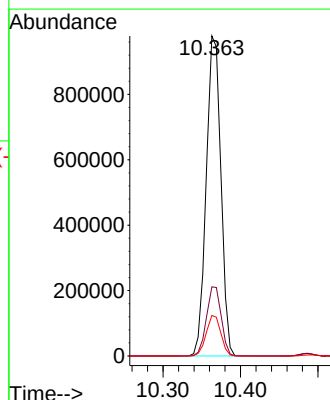
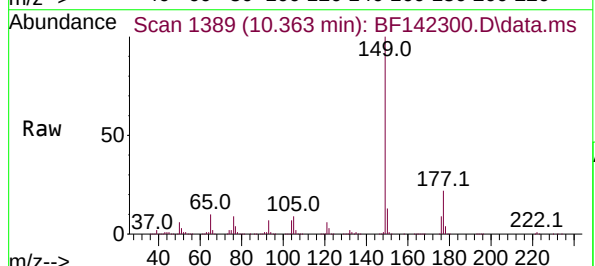
Manual Integrations
APPROVED

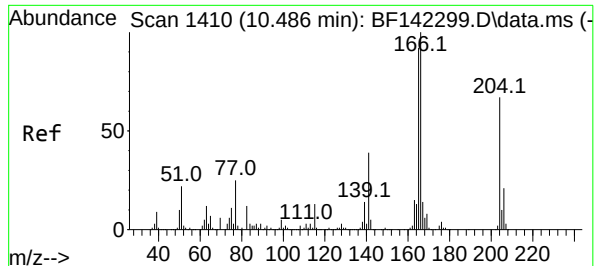
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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





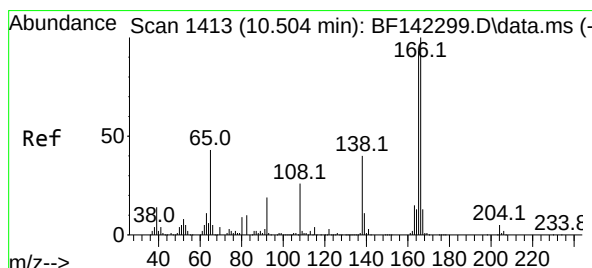
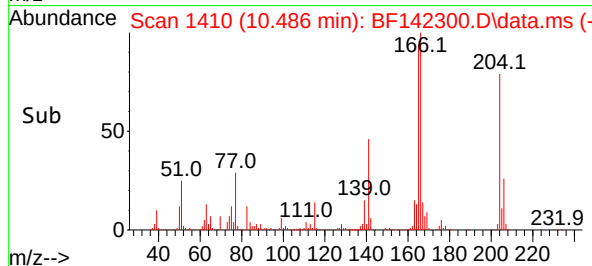
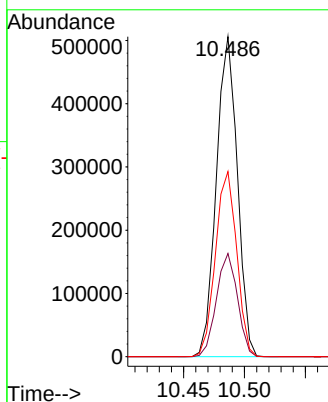
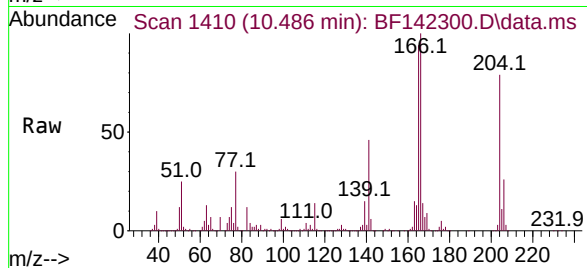
#61
4-Chlorophenyl-phenylether
Concen: 51.168 ng
RT: 10.486 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

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

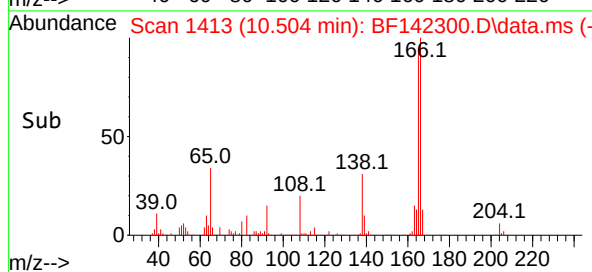
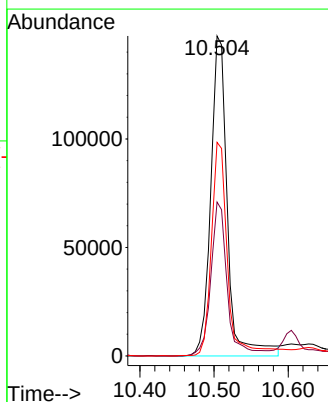
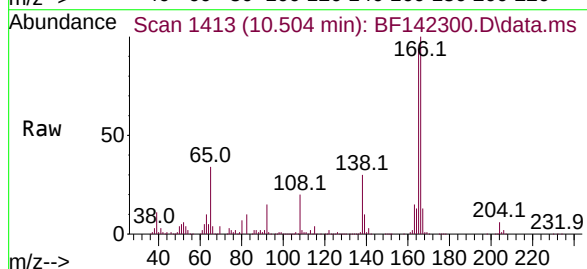
Manual Integrations
APPROVED

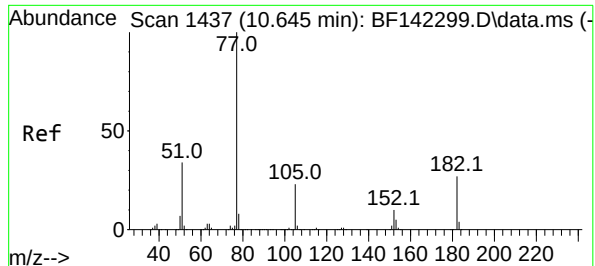
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

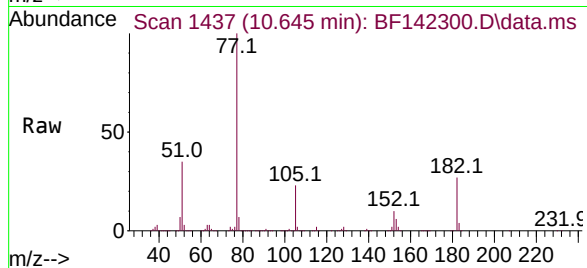
Tgt Ion:138 Resp: 229299
Ion Ratio Lower Upper
138 100
92 48.1 27.3 67.3
108 66.8 45.1 85.1





#63
Azobenzene
Concen: 51.833 ng
RT: 10.645 min Scan# 1437
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

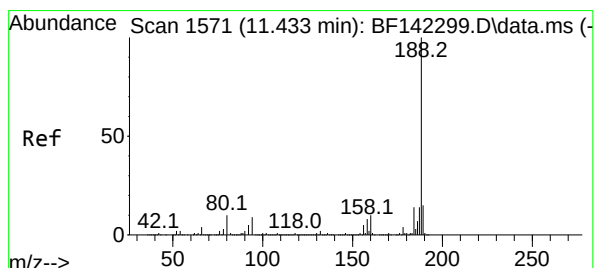
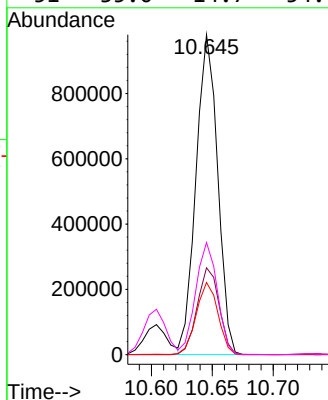
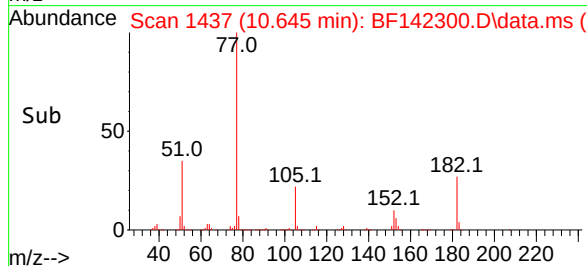
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



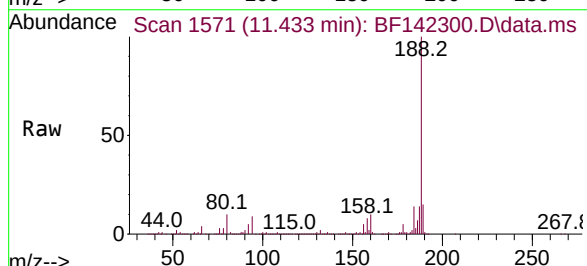
Tgt Ion: 77 Resp: 1211970
Ion Ratio Lower Upper
77 100
182 27.1 6.9 46.9
105 22.5 2.7 42.7
51 35.0 14.7 54.7

Manual Integrations
APPROVED

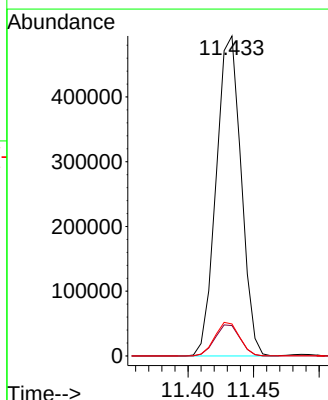
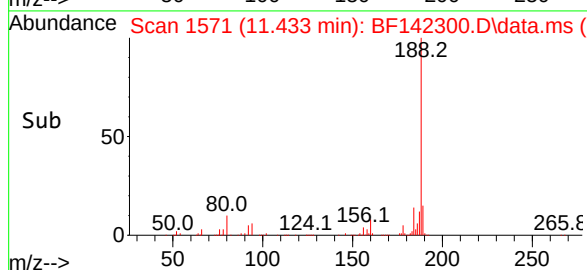
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

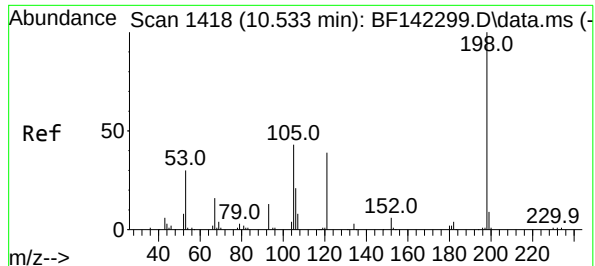


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1571
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18



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





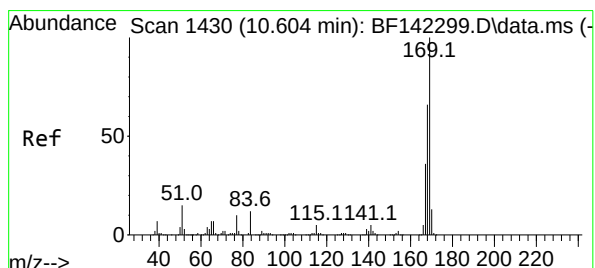
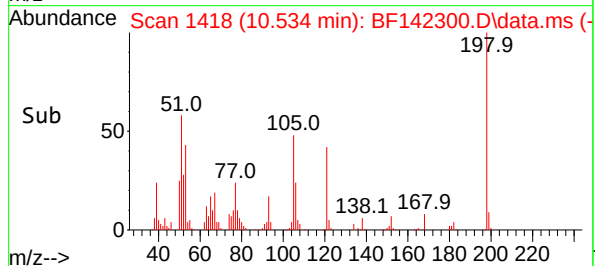
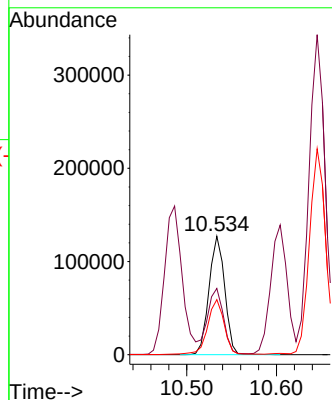
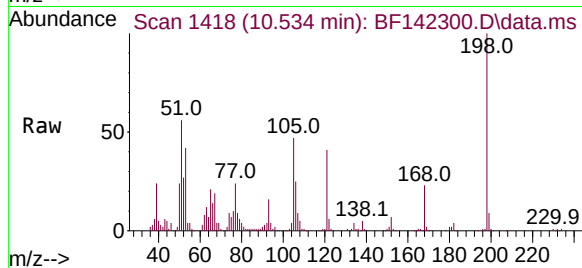
#65
4,6-Dinitro-2-methylphenol
Concen: 50.269 ng
RT: 10.534 min Scan# 1418
Delta R.T. 0.001 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 15430
Ion Ratio Lower Upper
198 100
51 56.0 32.9 72.9
105 46.5 23.7 63.7

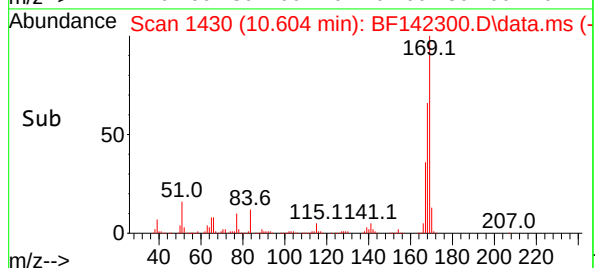
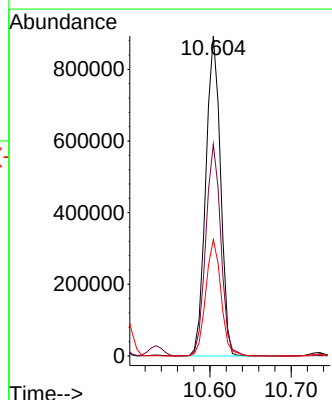
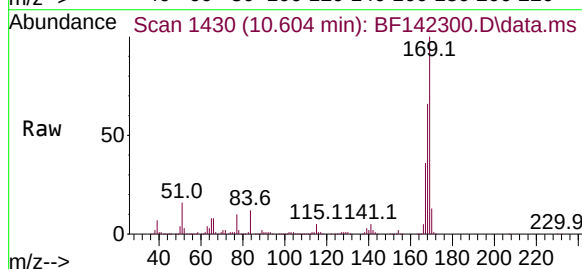
Manual Integrations
APPROVED

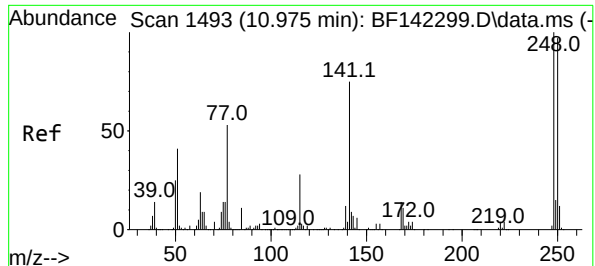
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

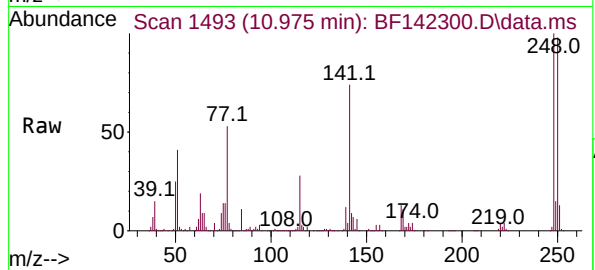
Tgt Ion:169 Resp: 1120570
Ion Ratio Lower Upper
169 100
168 66.2 53.2 79.8
167 36.4 28.9 43.3





#67
4-Bromophenyl-phenylether
Concen: 52.469 ng
RT: 10.975 min Scan# 1493
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

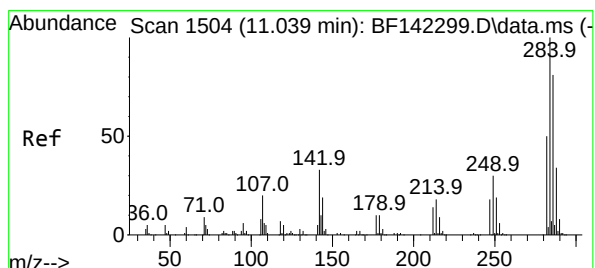
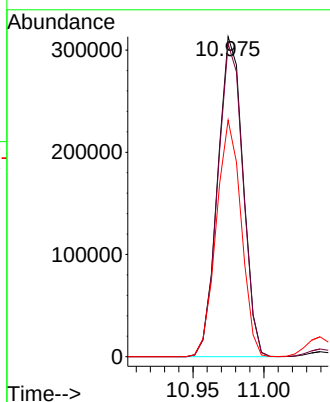
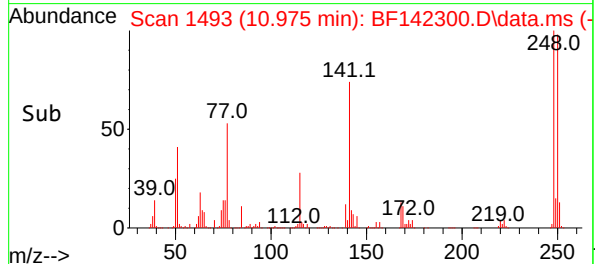
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



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

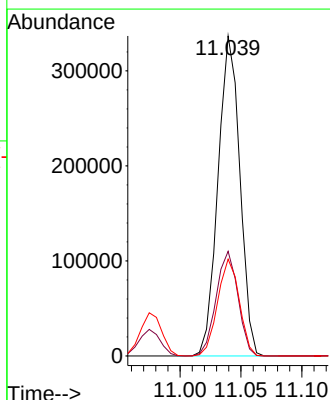
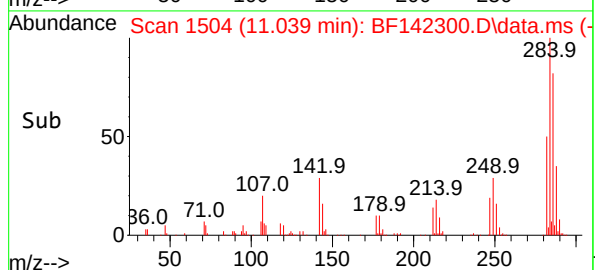
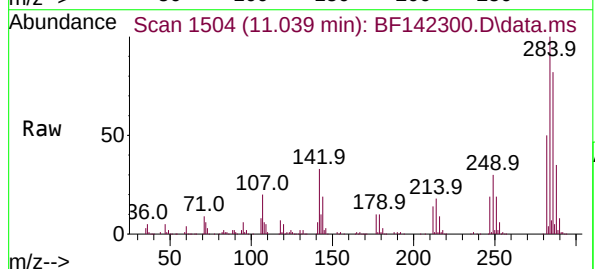
Manual Integrations
APPROVED

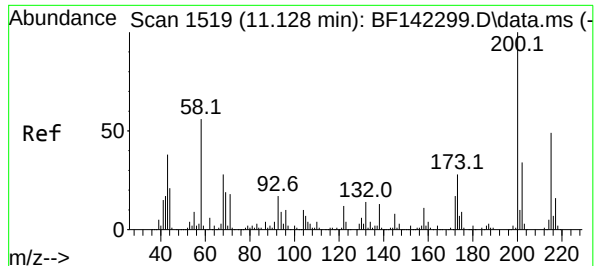
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

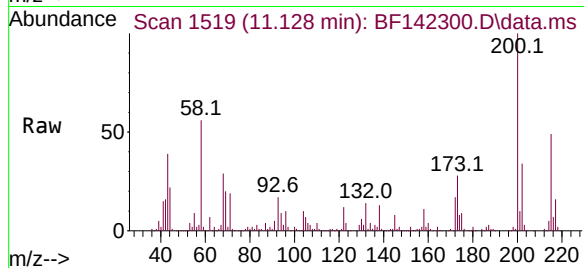
Tgt Ion:284 Resp: 420761
Ion Ratio Lower Upper
284 100
142 32.7 26.6 39.8
249 30.2 24.1 36.1





#69
Atrazine
Concen: 55.754 ng
RT: 11.128 min Scan# 1519
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

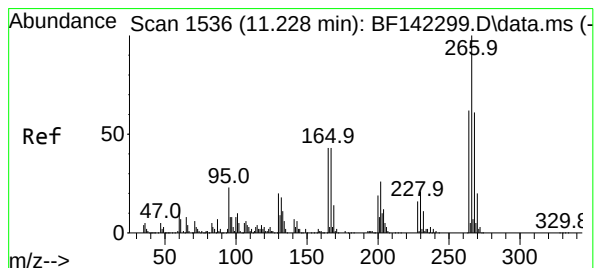
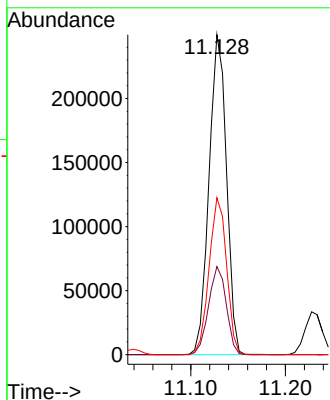
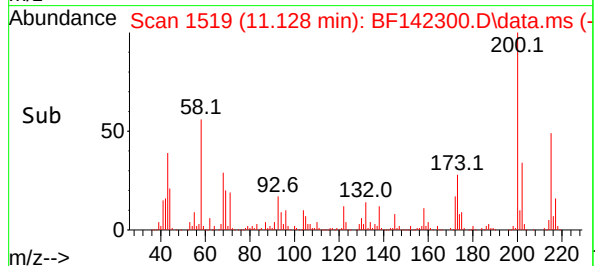
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



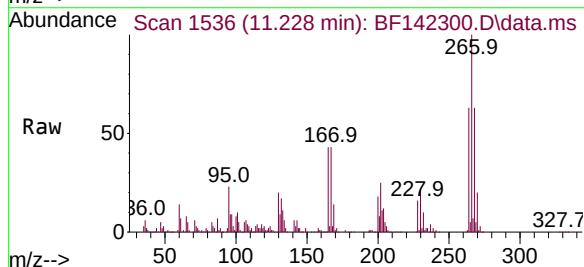
Tgt Ion:200 Resp: 31950
Ion Ratio Lower Upper
200 100
173 27.5 8.1 48.1
215 49.0 28.8 68.8

Manual Integrations
APPROVED

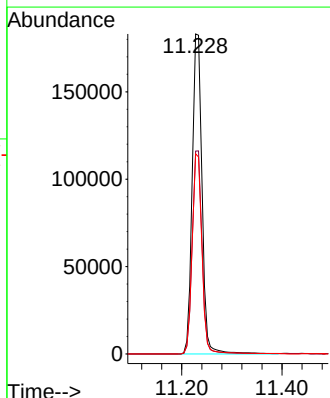
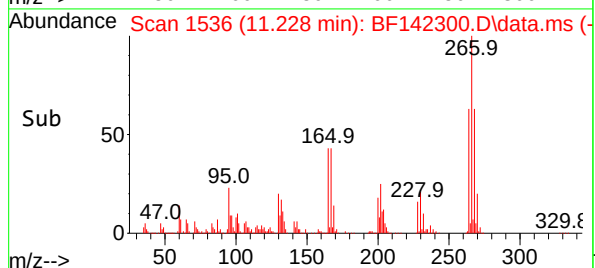
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

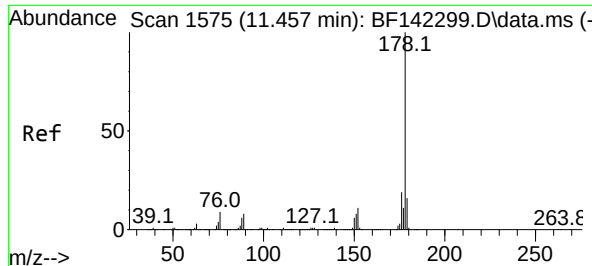


#70
Pentachlorophenol
Concen: 58.166 ng
RT: 11.228 min Scan# 1536
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18



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





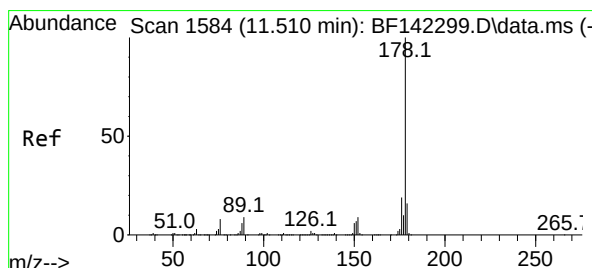
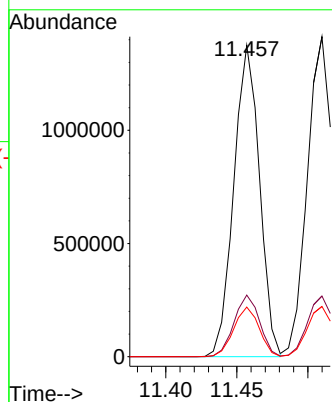
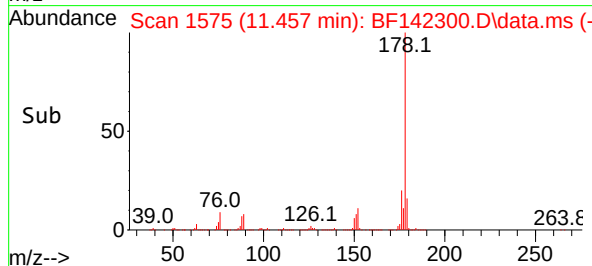
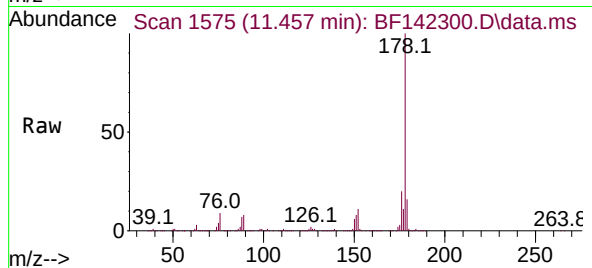
#71
Phenanthrene
Concen: 50.453 ng
RT: 11.457 min Scan# 1575
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 1727799
Ion Ratio Lower Upper
178 100
176 19.8 15.5 23.3
179 15.9 12.6 18.8

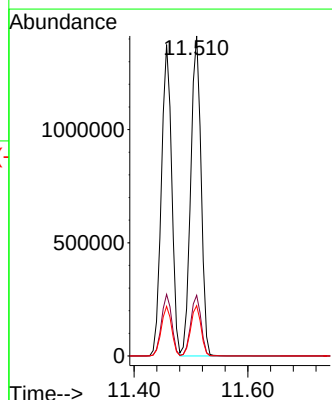
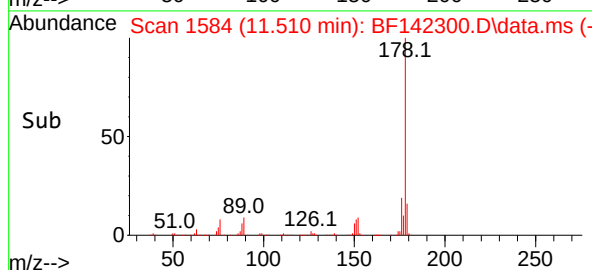
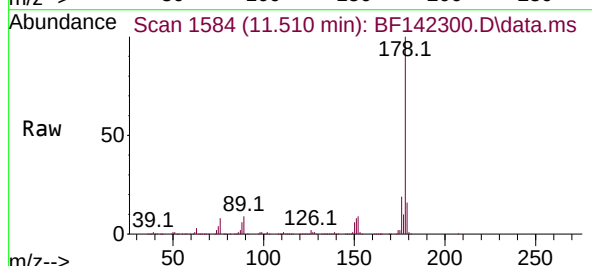
Manual Integrations
APPROVED

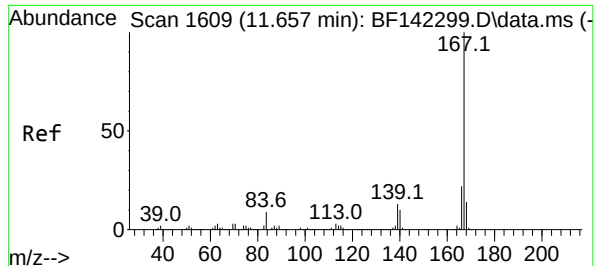
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

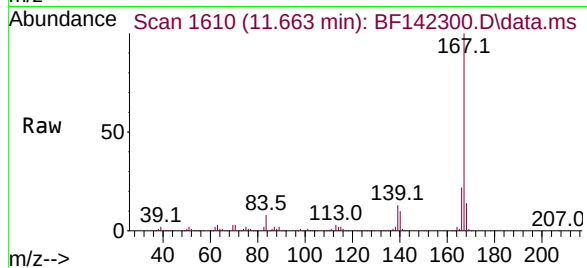
Tgt Ion:178 Resp: 1784428
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 15.7 12.6 18.8





#73
Carbazole
Concen: 51.019 ng
RT: 11.663 min Scan# 1610
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

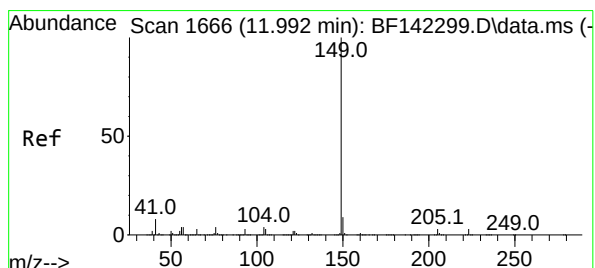
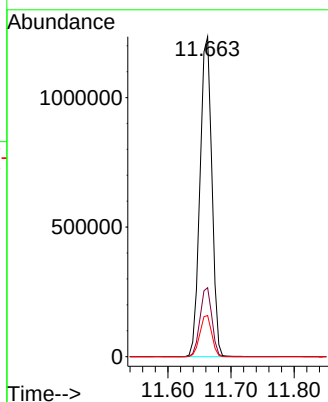
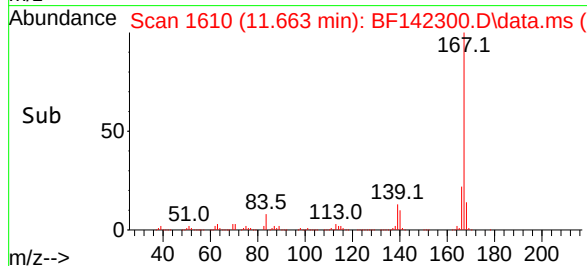
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:167 Resp: 161061
Ion Ratio Lower Upper
167 100
166 21.6 17.2 25.8
139 12.9 10.3 15.5

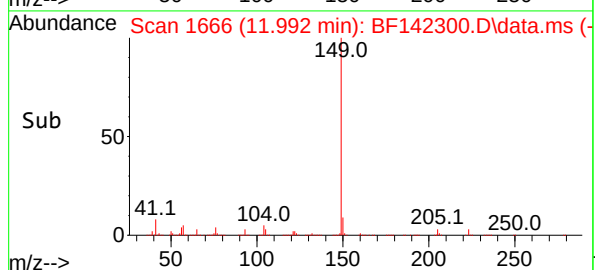
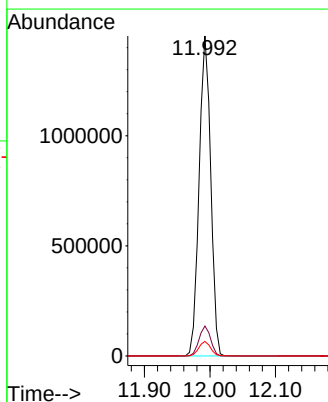
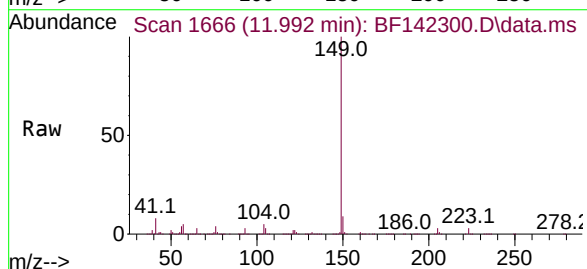
Manual Integrations
APPROVED

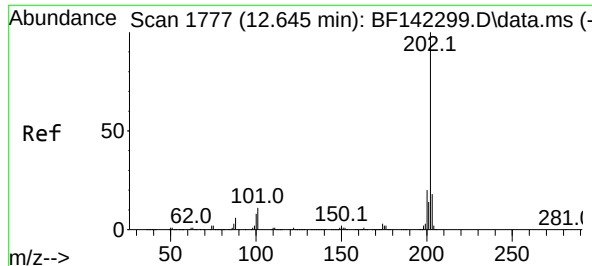
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

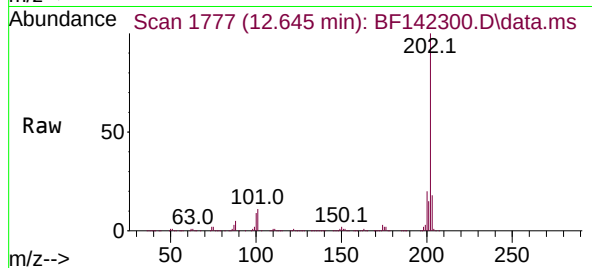
Tgt Ion:149 Resp: 1785998
Ion Ratio Lower Upper
149 100
150 9.4 7.5 11.3
104 4.5 3.6 5.4





#75
Fluoranthene
Concen: 50.159 ng
RT: 12.645 min Scan# 1777
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

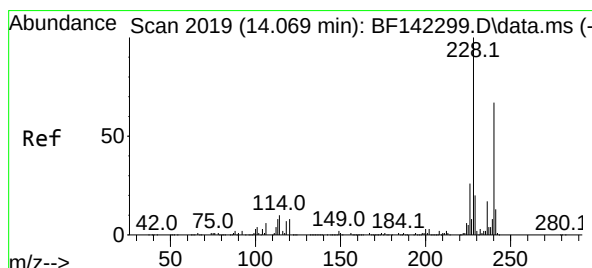
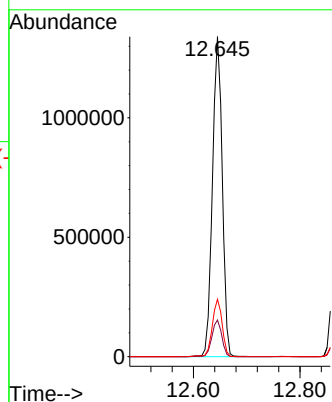
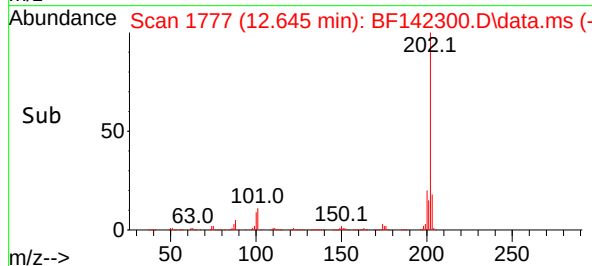
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



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

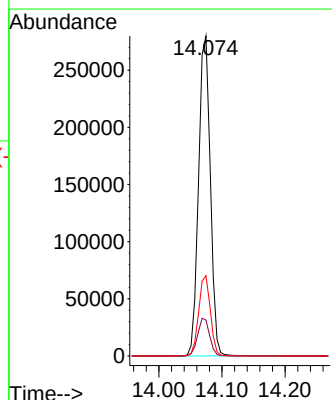
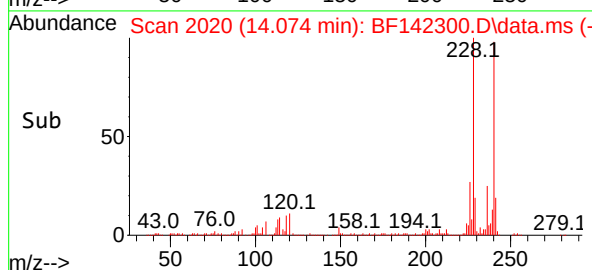
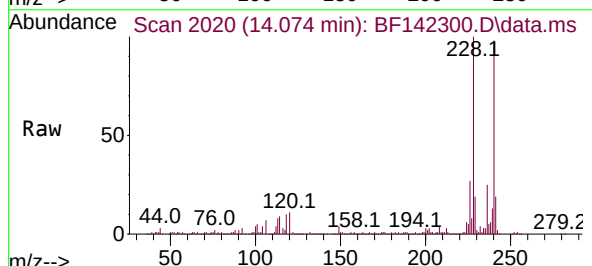
Manual Integrations
APPROVED

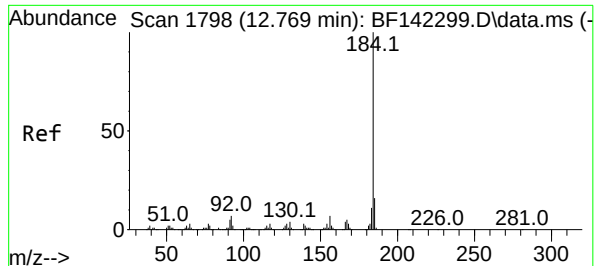
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

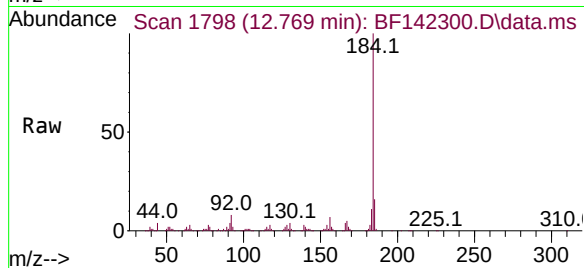
Tgt Ion:240 Resp: 361528
Ion Ratio Lower Upper
240 100
120 11.2 9.7 14.5
236 25.1 20.0 30.0





#77
Benzidine
Concen: 58.643 ng
RT: 12.769 min Scan# 1798
Delta R.T. -0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

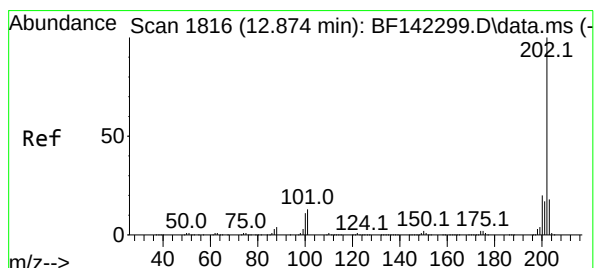
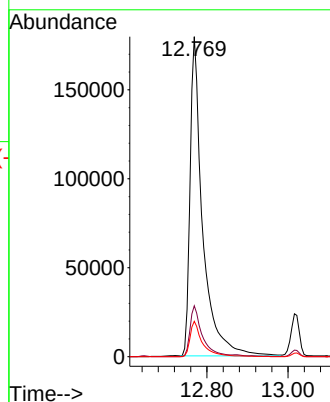
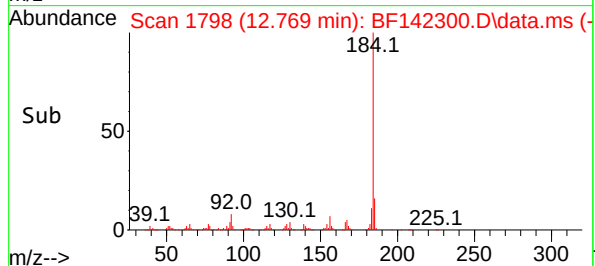
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:184 Resp: 385280
Ion Ratio Lower Upper
184 100
185 15.9 12.6 18.8
183 11.1 8.6 12.8

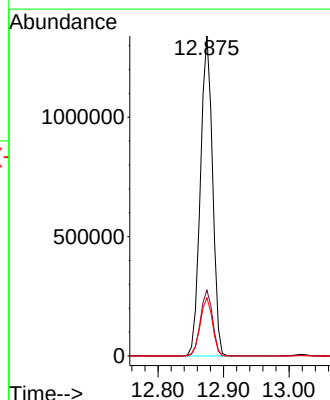
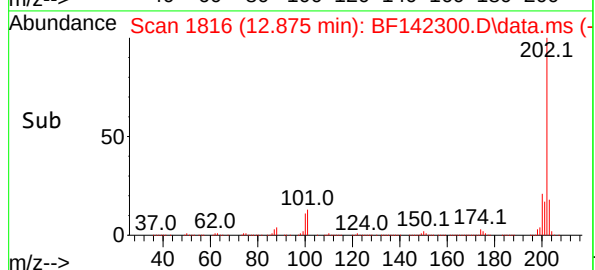
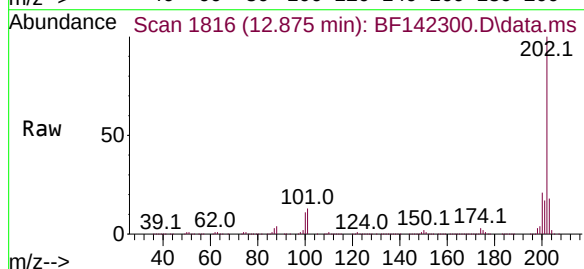
Manual Integrations
APPROVED

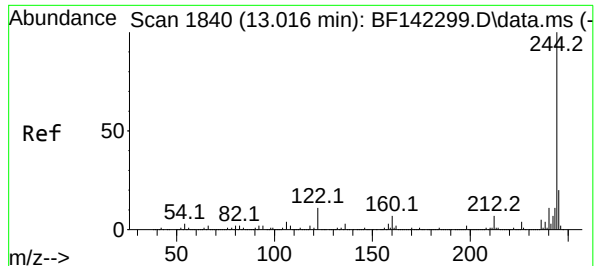
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

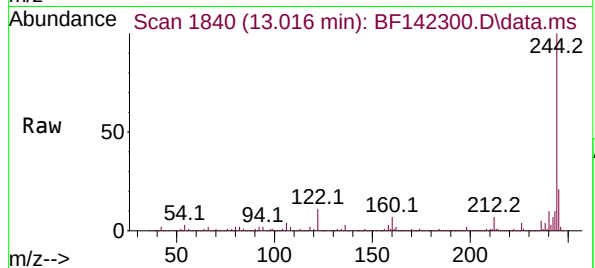
Tgt Ion:202 Resp: 1728090
Ion Ratio Lower Upper
202 100
200 20.6 16.2 24.4
203 18.1 14.3 21.5





#79
Terphenyl-d14
Concen: 102.849 ng
RT: 13.016 min Scan# 1840
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

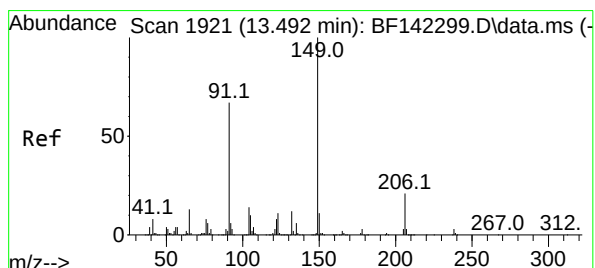
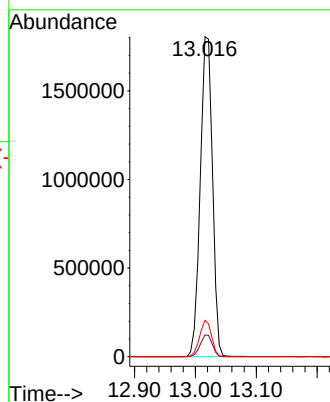
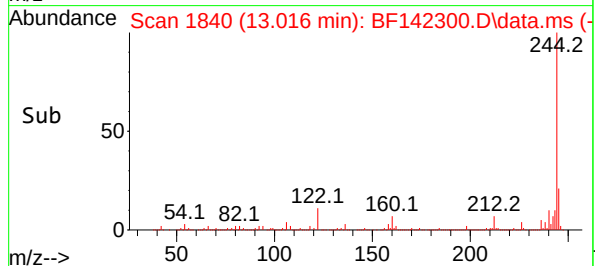
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:244 Resp: 251216
Ion Ratio Lower Upper
244 100
212 6.8 5.4 8.2
122 11.4 9.0 13.4

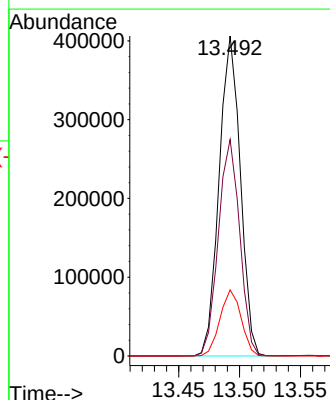
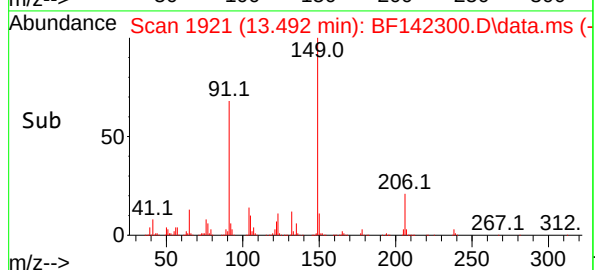
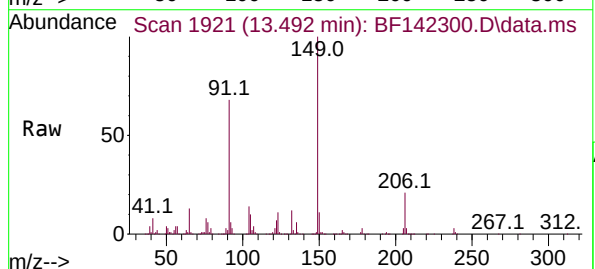
Manual Integrations
APPROVED

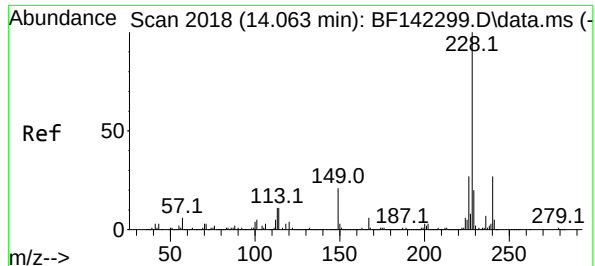
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

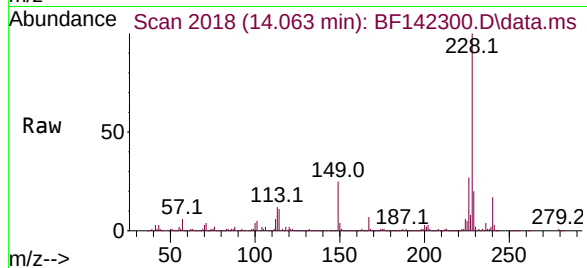
Tgt Ion:149 Resp: 493025
Ion Ratio Lower Upper
149 100
91 67.6 53.8 80.6
206 20.7 16.6 24.8





#81
Benzo(a)anthracene
Concen: 52.285 ng
RT: 14.063 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

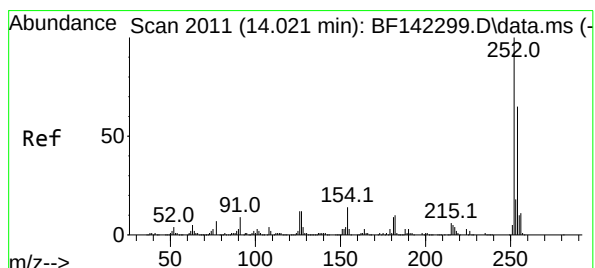
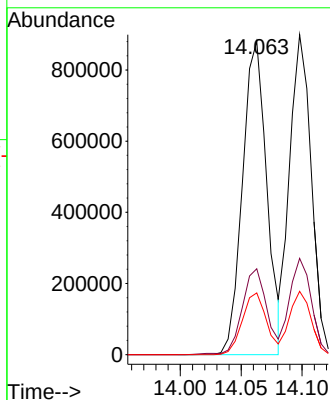
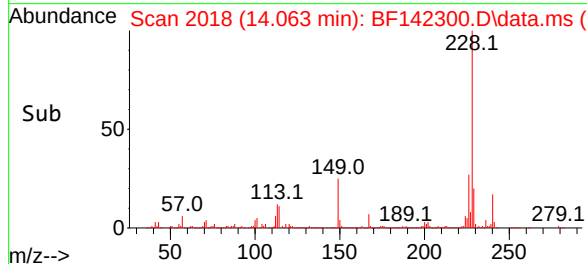
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



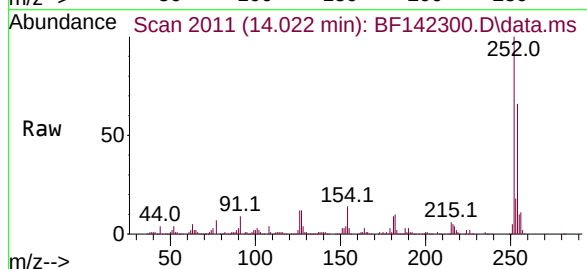
Tgt Ion:228 Resp: 1224138
Ion Ratio Lower Upper
228 100
226 27.4 21.5 32.3
229 19.7 15.9 23.9

Manual Integrations
APPROVED

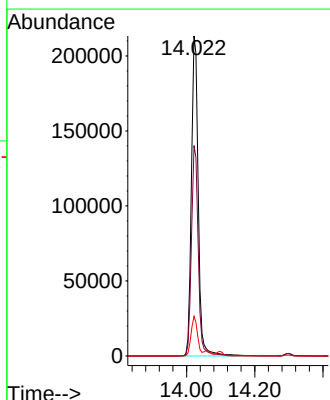
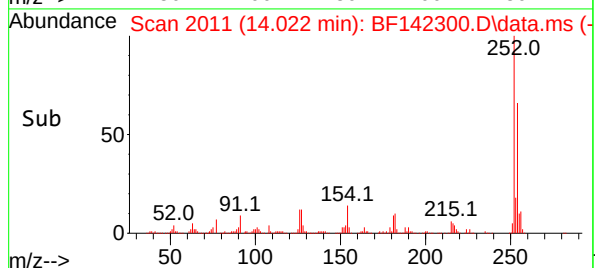
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

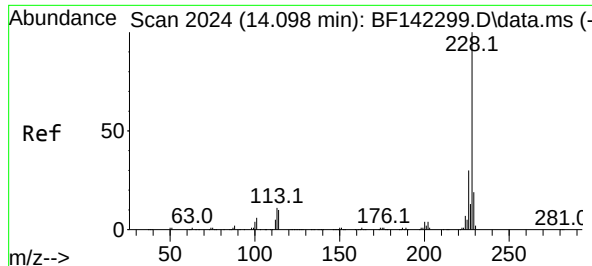


#82
3,3'-Dichlorobenzidine
Concen: 54.357 ng
RT: 14.022 min Scan# 2011
Delta R.T. 0.001 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18



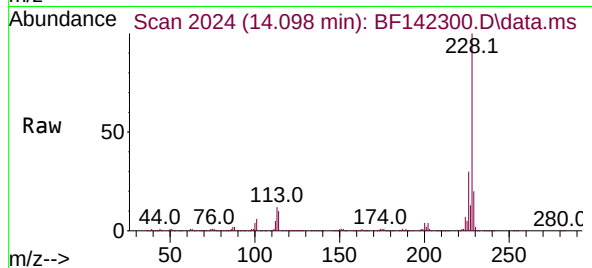
Tgt Ion:252 Resp: 295953
Ion Ratio Lower Upper
252 100
254 65.7 52.0 78.0
126 12.4 9.7 14.5





#83
Chrysene
Concen: 51.342 ng
RT: 14.098 min Scan# 2024
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

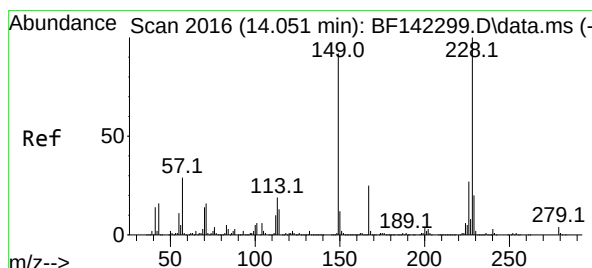
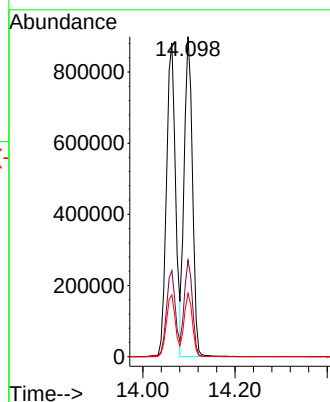
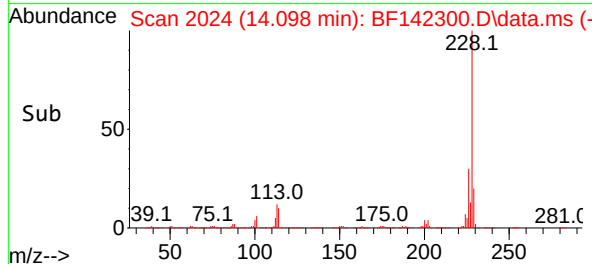
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:228 Resp: 1119040
Ion Ratio Lower Upper
228 100
226 30.1 23.9 35.9
229 19.8 15.4 23.2

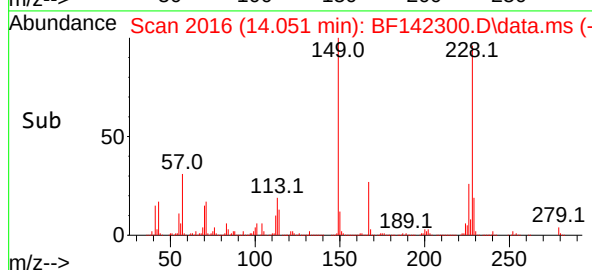
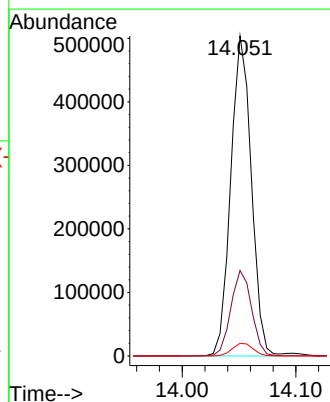
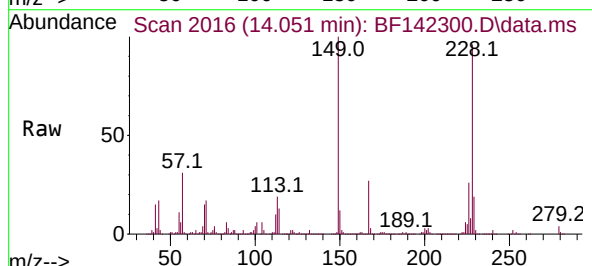
Manual Integrations
APPROVED

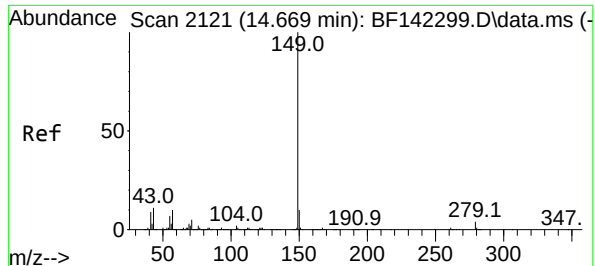
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

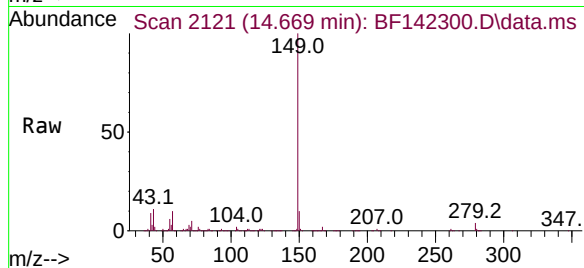
Tgt Ion:149 Resp: 631350
Ion Ratio Lower Upper
149 100
167 26.7 22.0 33.0
279 3.9 3.0 4.6





#85
Di-n-octyl phthalate
Concen: 50.417 ng
RT: 14.669 min Scan# 2121
Delta R.T. -0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

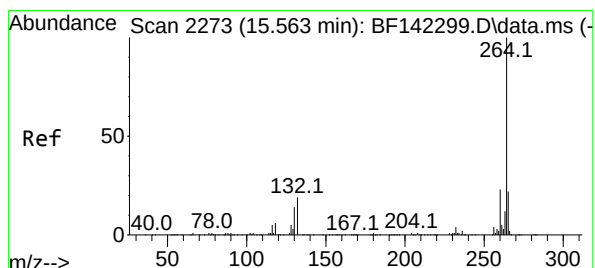
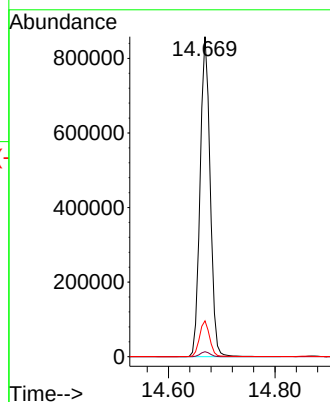
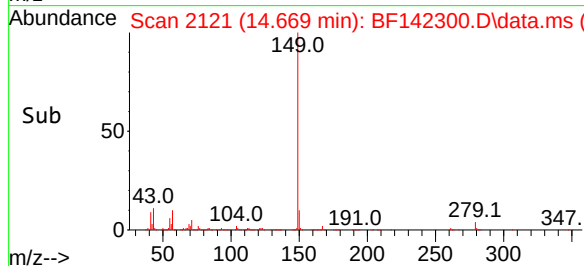
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



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

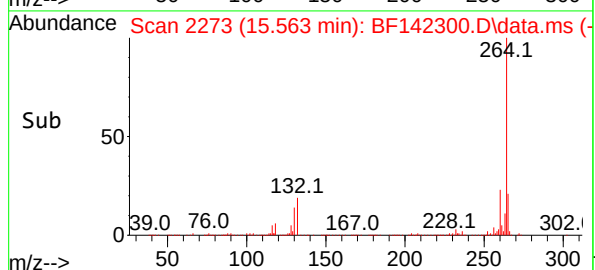
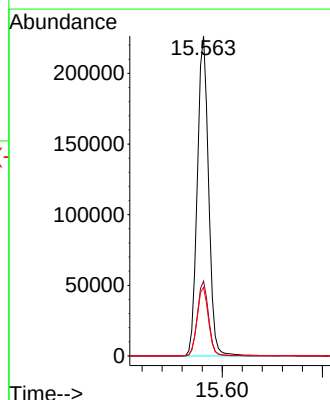
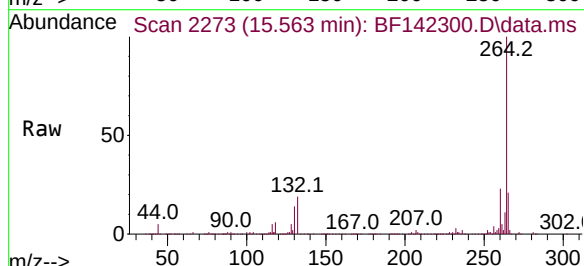
Manual Integrations
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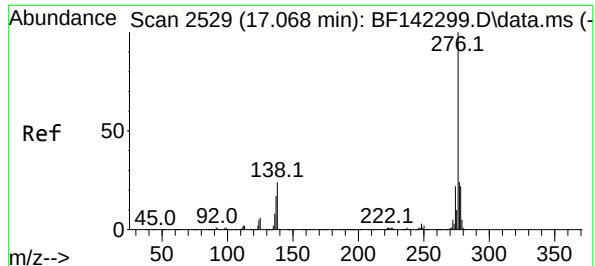
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

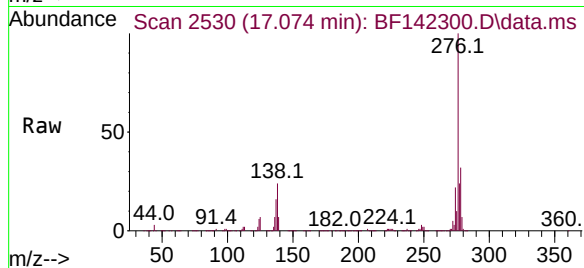
Tgt Ion:264 Resp: 352732
Ion Ratio Lower Upper
264 100
260 23.4 18.6 27.8
265 21.4 17.5 26.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 57.351 ng
RT: 17.074 min Scan# 2529
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

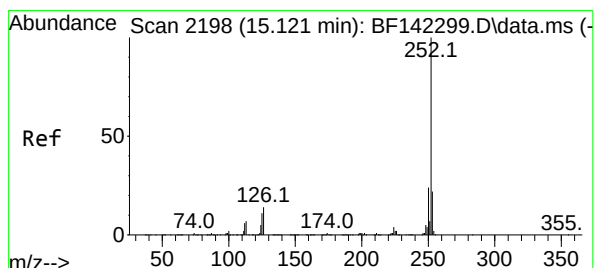
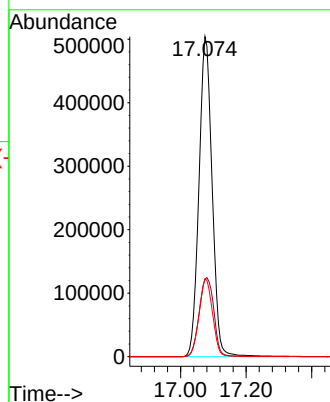
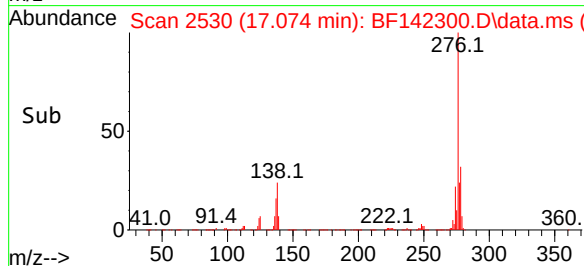
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



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

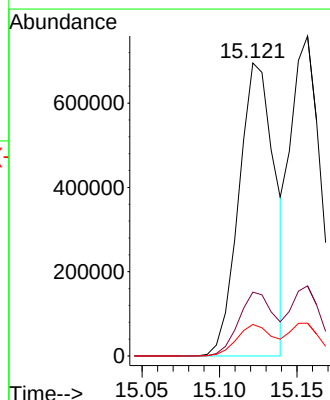
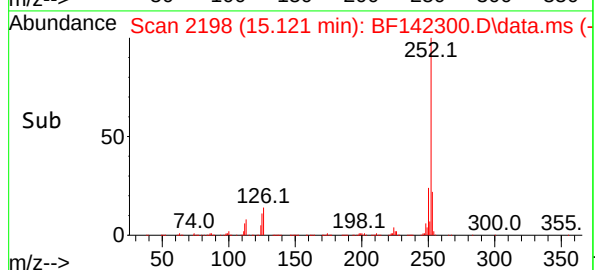
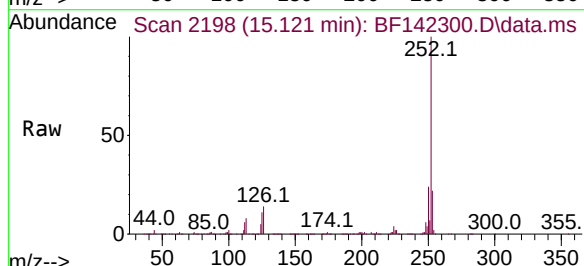
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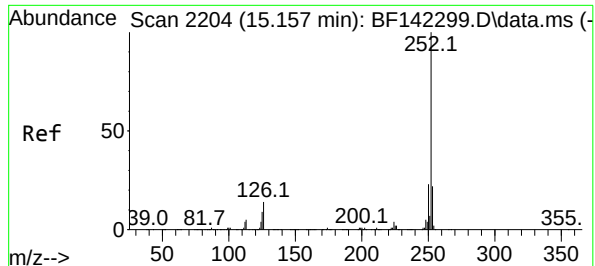
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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# 21

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: 103381

Ion Ratio Lower Upper

252 100

253 21.9 17.6 26.4

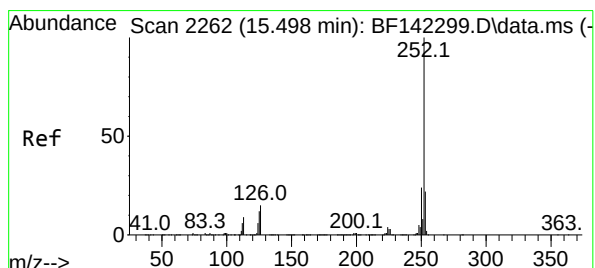
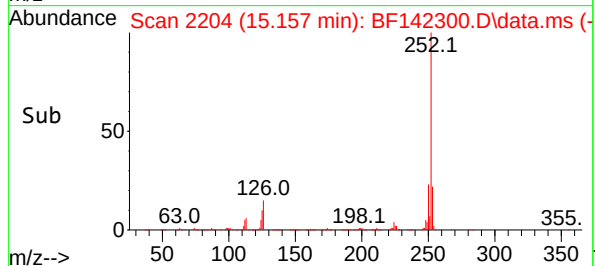
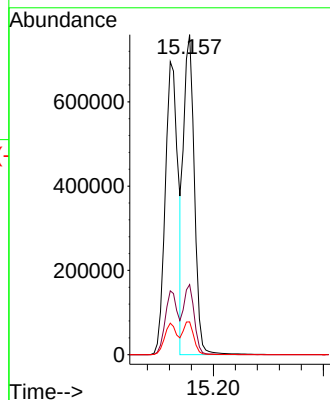
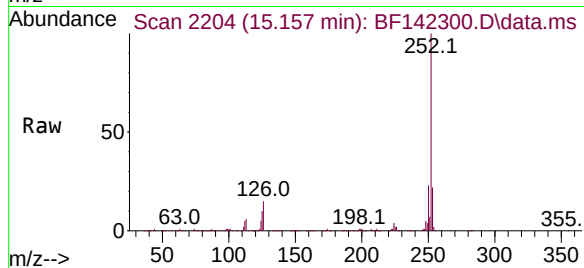
125 10.2 8.1 12.1

Manual Integrations

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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

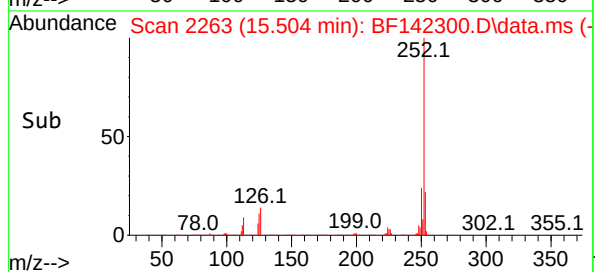
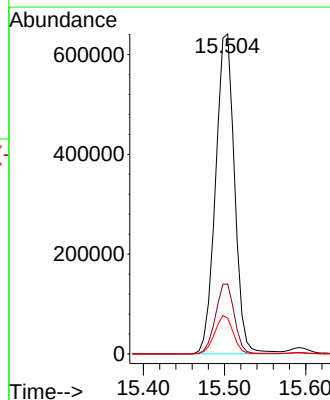
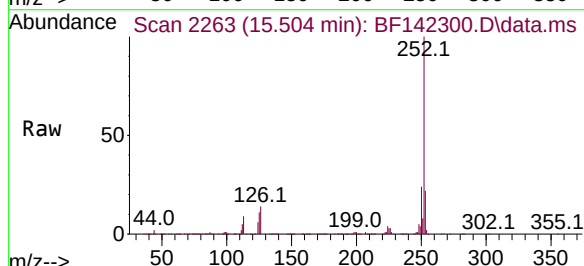
Tgt Ion:252 Resp: 1043008

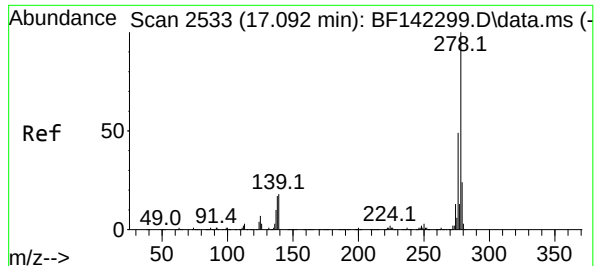
Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.6

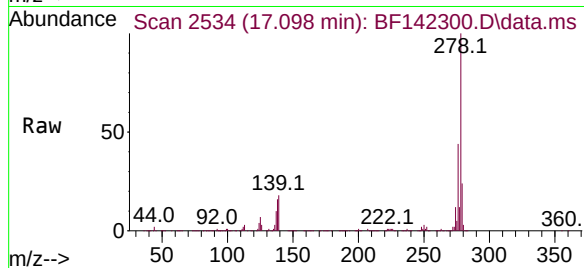
125 11.2 9.4 14.0





#91
Dibenzo(a,h)anthracene
Concen: 56.905 ng
RT: 17.098 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

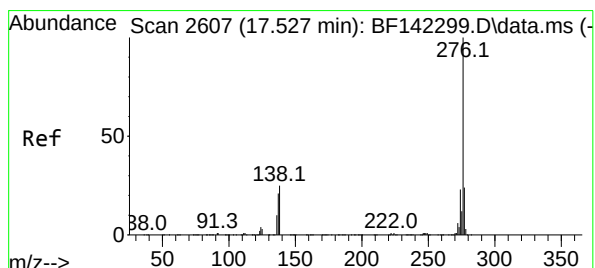
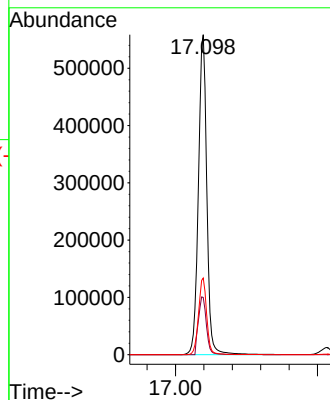
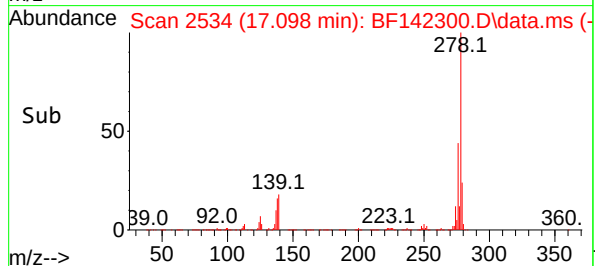
Instrument :
BNA_F
ClientSampleId :
SSTDICC050



Tgt Ion:278 Resp: 1153550
Ion Ratio Lower Upper
278 100
139 17.9 14.5 21.7
279 24.0 18.9 28.3

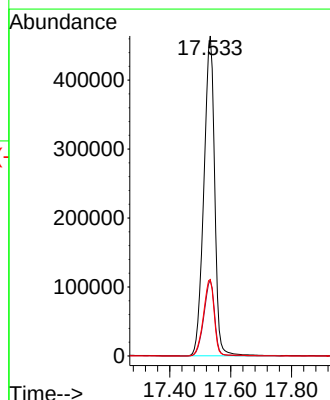
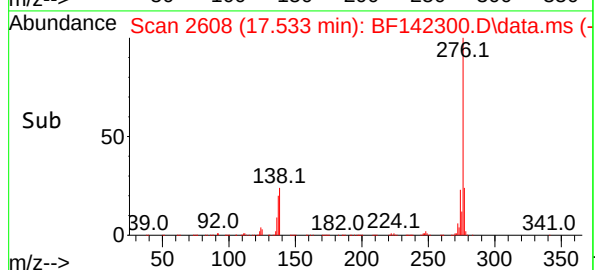
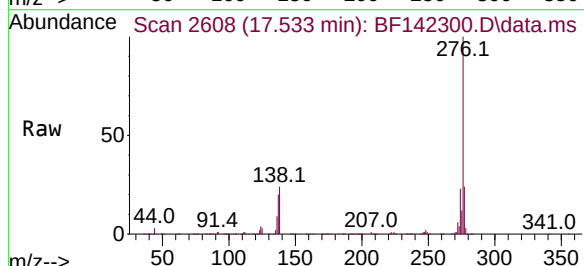
Manual Integrations
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Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

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

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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

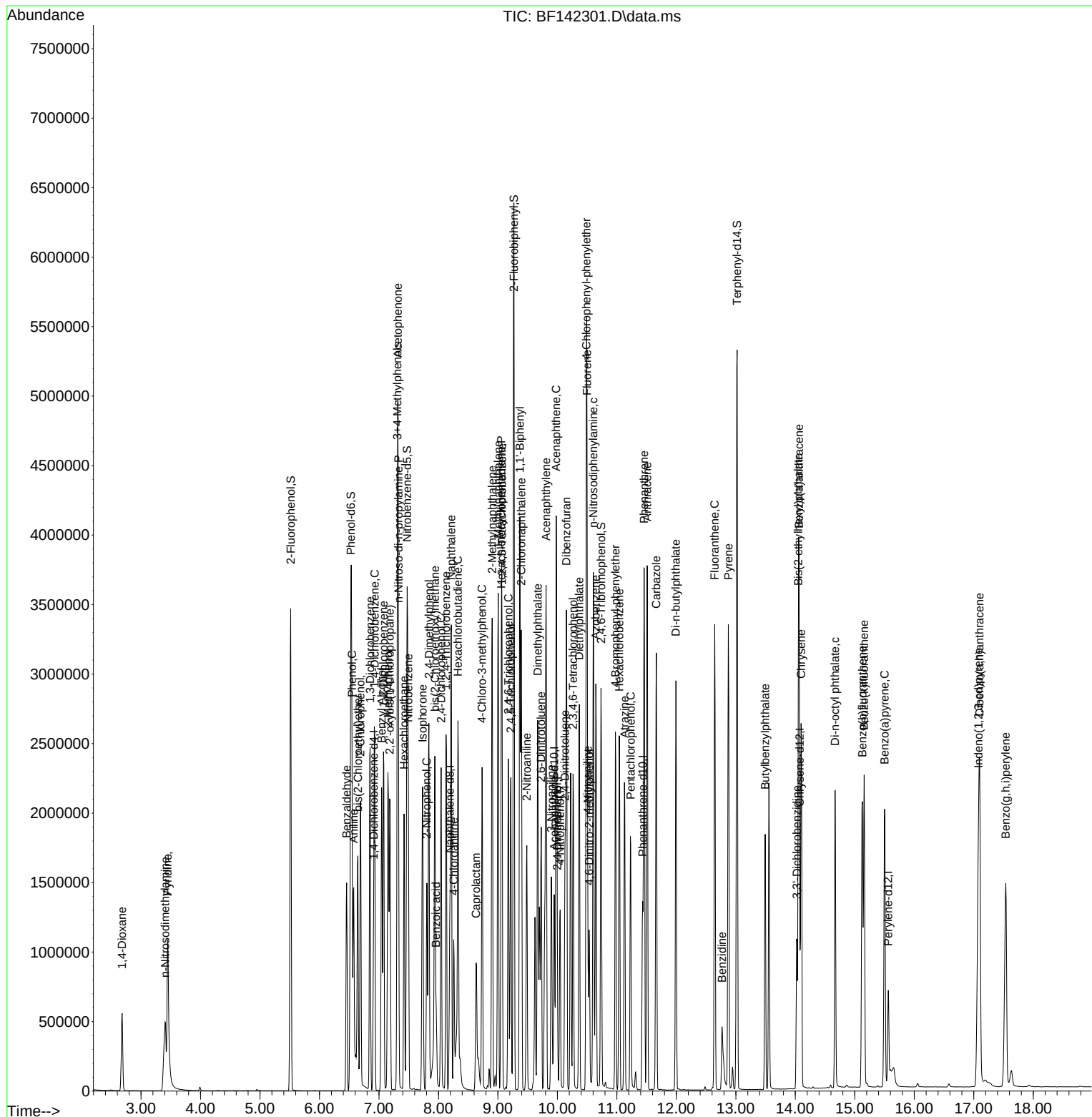
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
 Data File : BF142301.D
 Acq On : 05 May 2025 16:47
 Operator : RC/JU
 Sample : SSTDICC060
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

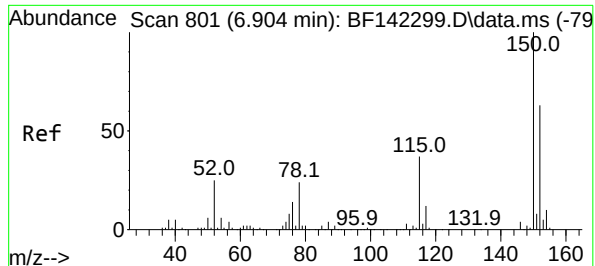
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

Manual Integrations APPROVED

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

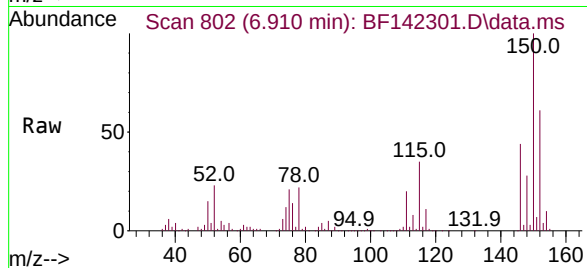
Quant Time: May 05 18:00:55 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 05 17:44:56 2025
 Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.910 min Scan# 80
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

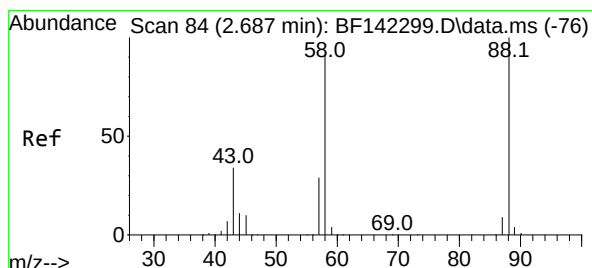
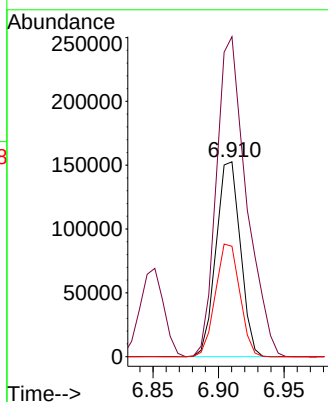
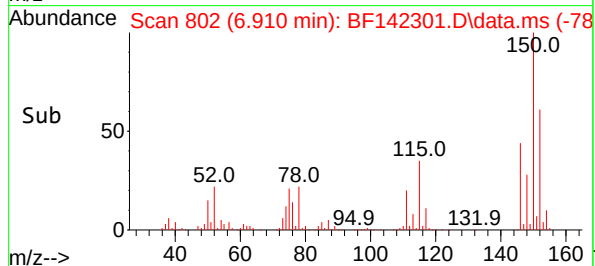
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



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

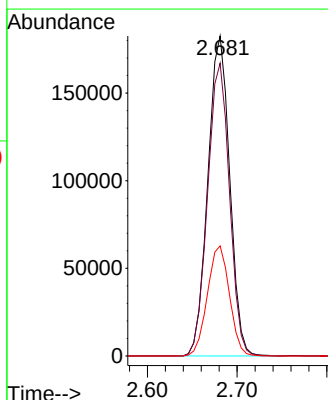
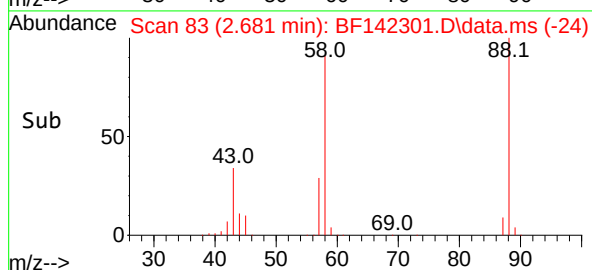
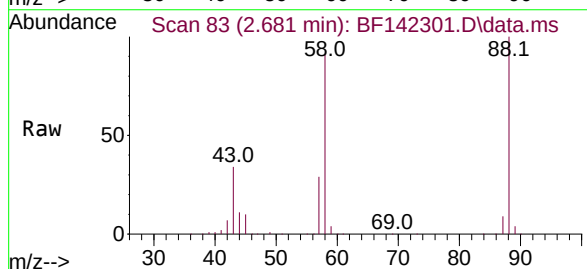
Manual Integrations
APPROVED

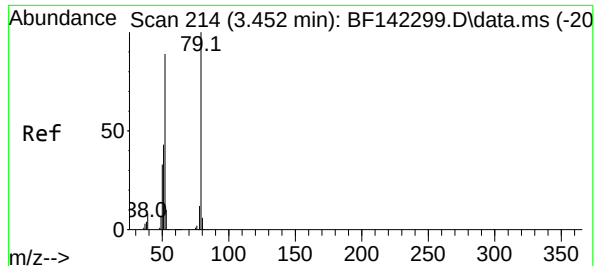
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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# 214

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: 77725

Ion Ratio Lower Upper

79 100

52 90.5 71.0 106.4

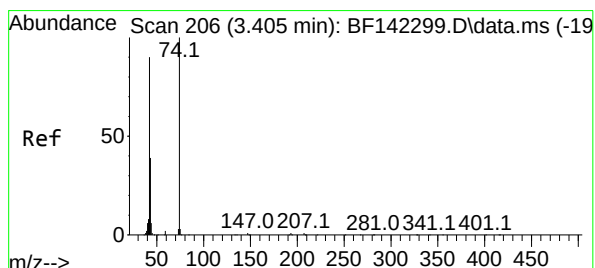
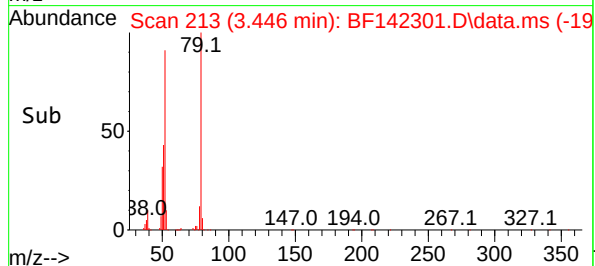
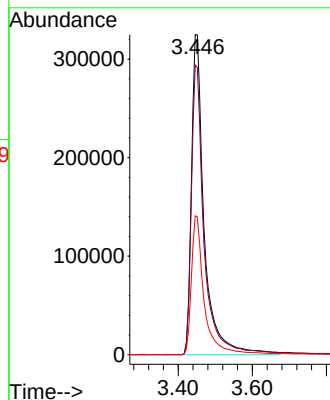
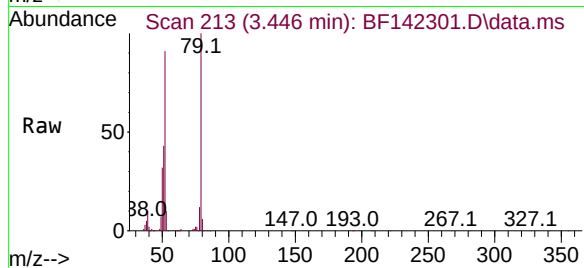
51 43.4 34.9 52.3

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

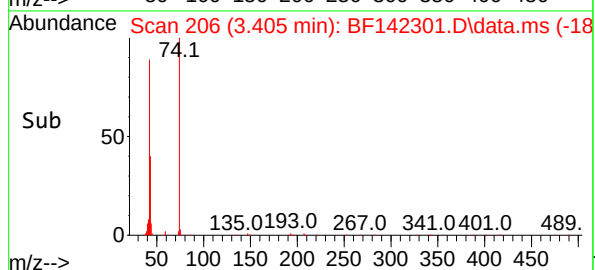
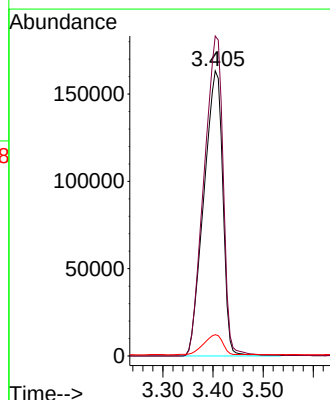
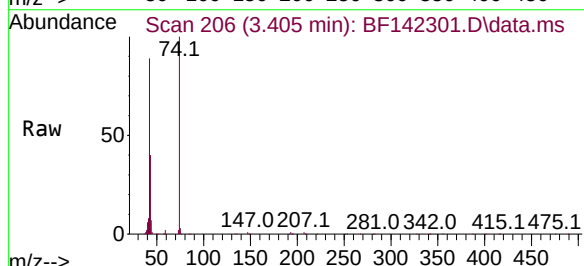
Tgt Ion: 42 Resp: 429842

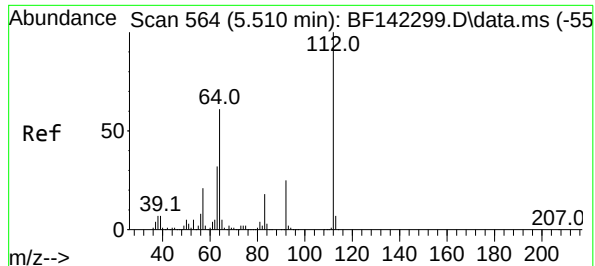
Ion Ratio Lower Upper

42 100

74 112.2 88.5 132.7

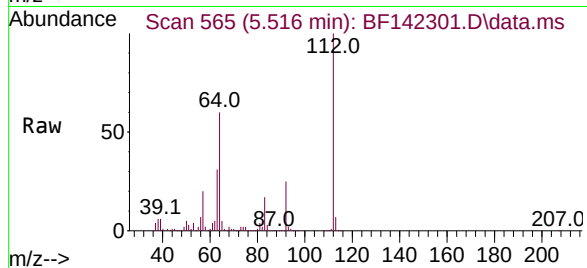
44 7.4 5.8 8.8





#5
2-Fluorophenol
Concen: 119.365 ng
RT: 5.516 min Scan# 501
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

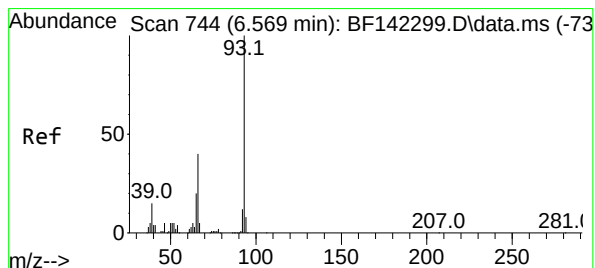
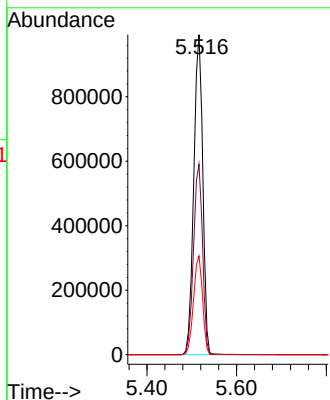
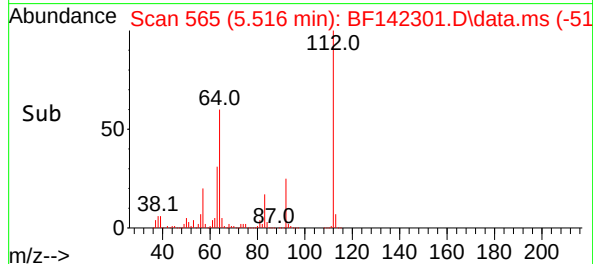
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



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

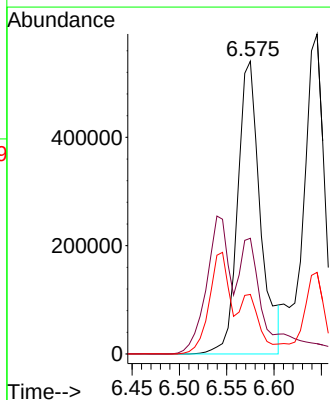
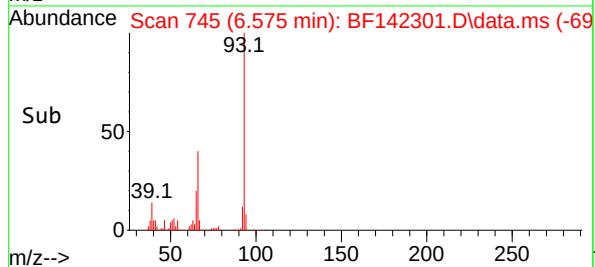
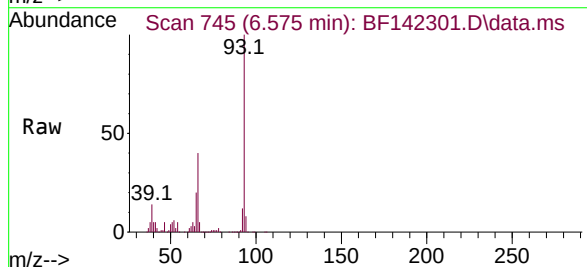
Manual Integrations
APPROVED

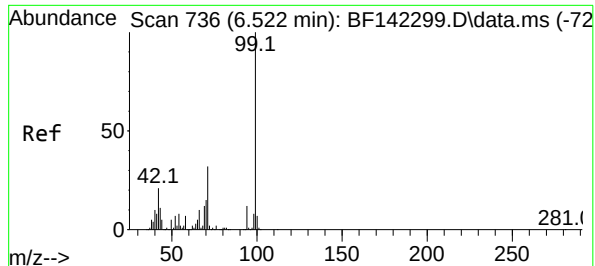
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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# 736

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: 168164

Ion Ratio Lower Upper

99 100

42 21.0 17.0 25.4

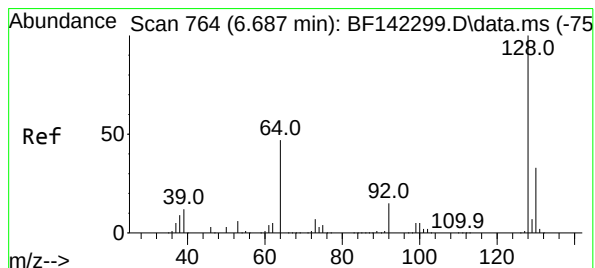
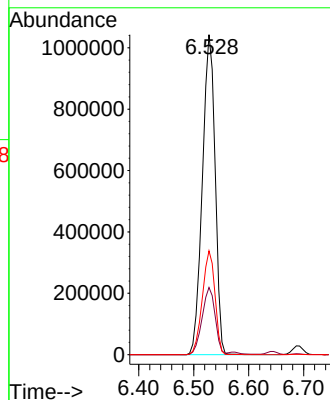
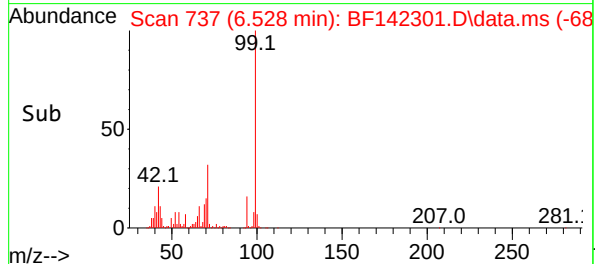
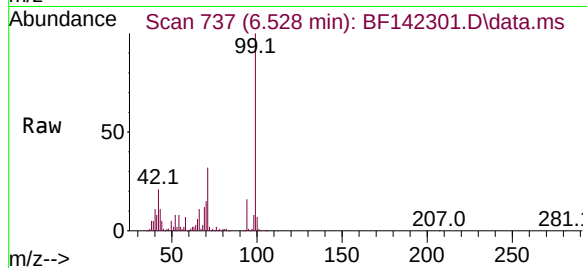
71 32.5 25.8 38.8

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

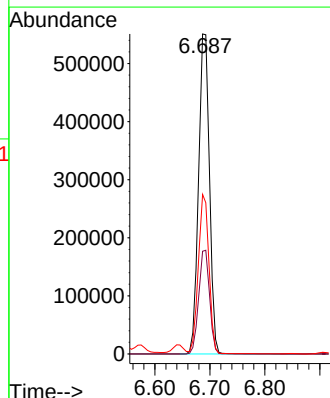
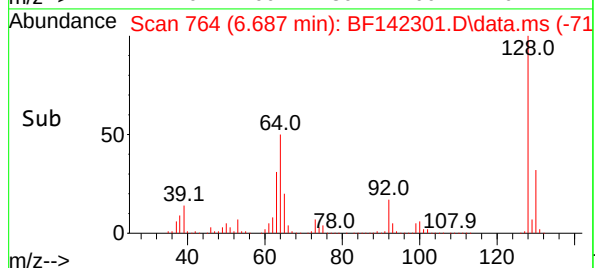
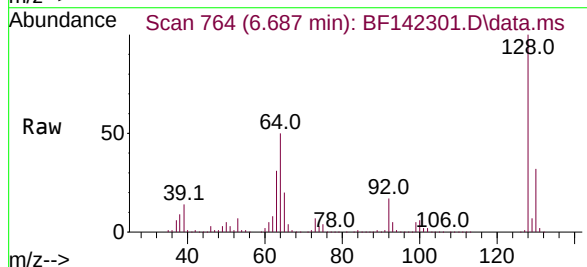
Tgt Ion:128 Resp: 760230

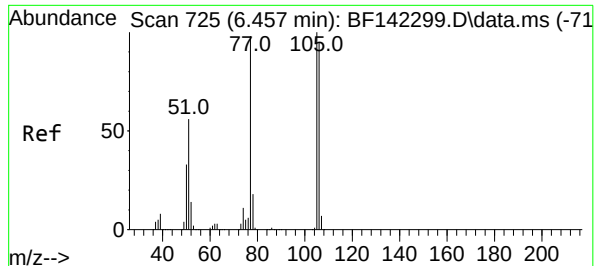
Ion Ratio Lower Upper

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# 71

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

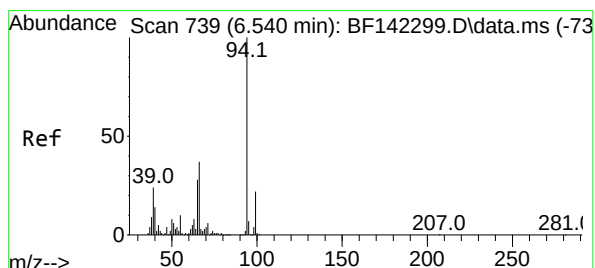
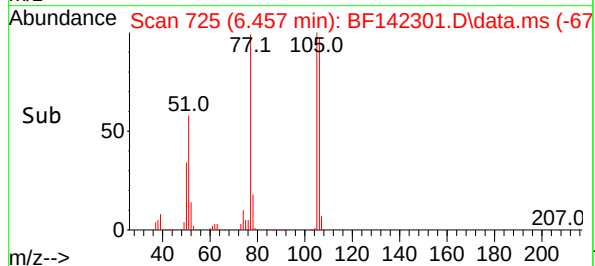
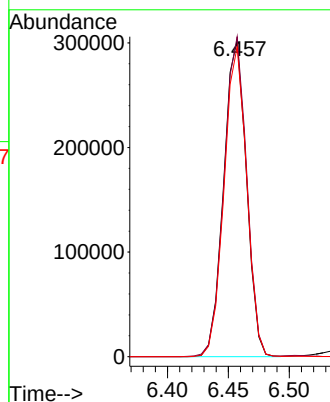
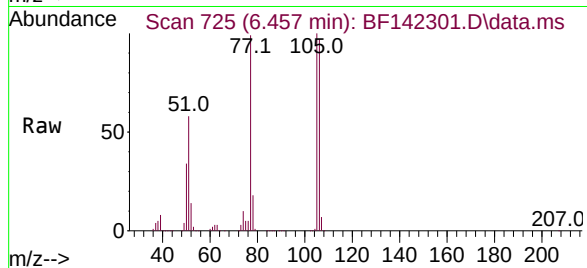
106 98.0 77.2 117.2

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

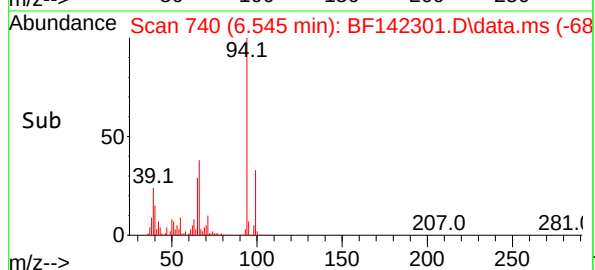
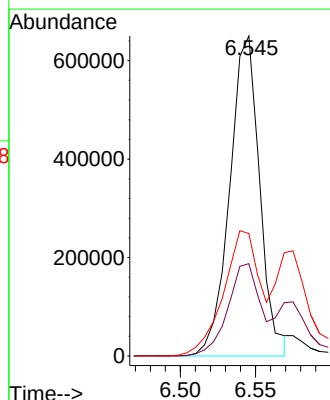
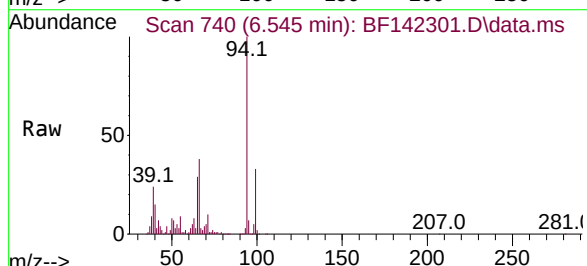
Tgt Ion: 94 Resp: 902878

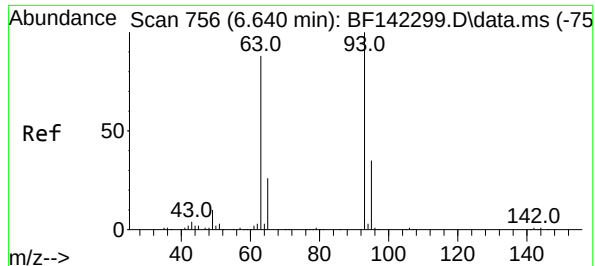
Ion Ratio Lower Upper

94 100

65 28.9 8.5 48.5

66 38.3 17.3 57.3





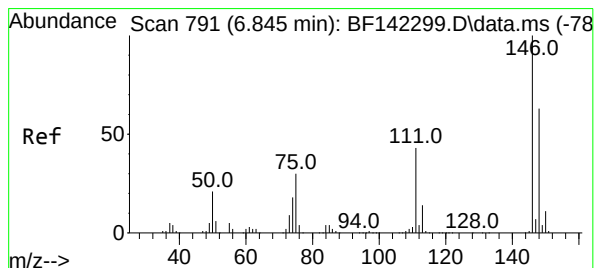
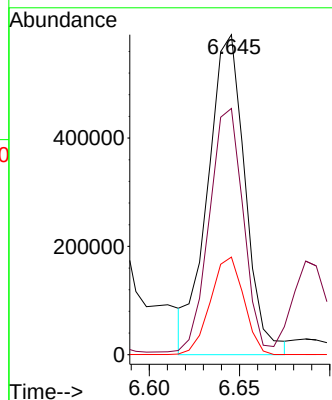
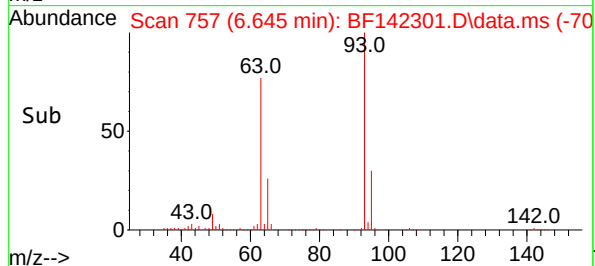
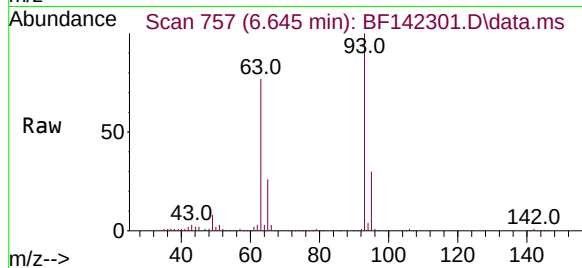
#11
bis(2-Chloroethyl)ether
Concen: 57.408 ng m
RT: 6.645 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 93 Resp: 85374
Ion Ratio Lower Upper
93 100
63 77.0 58.4 98.4
95 30.5 10.6 50.6

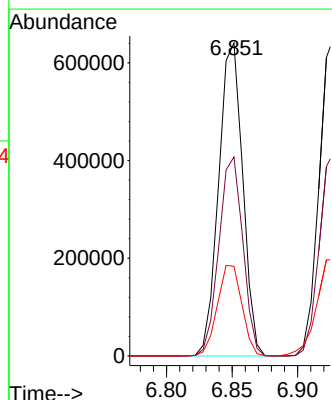
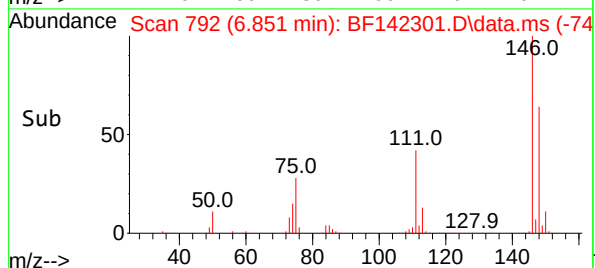
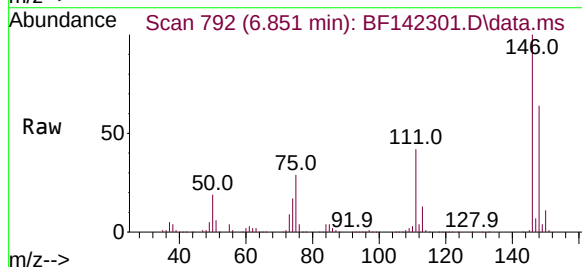
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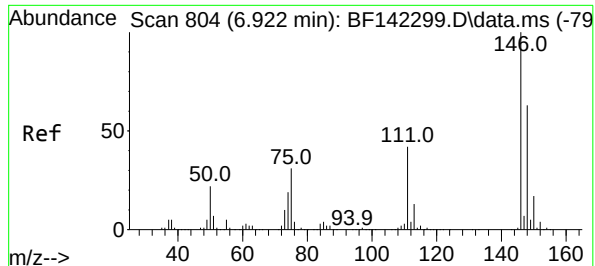
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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# 804

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: 82088

Ion Ratio Lower Upper

146 100

148 64.0 50.5 75.7

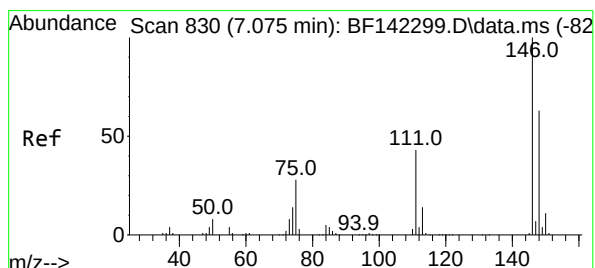
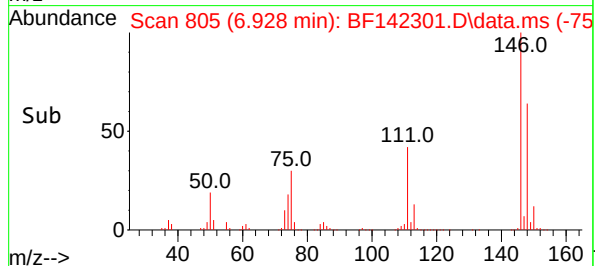
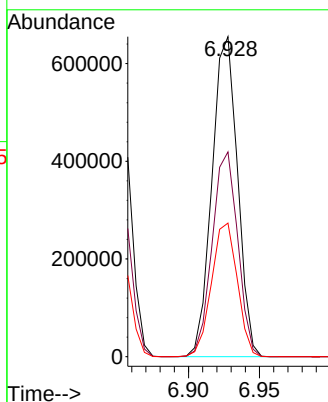
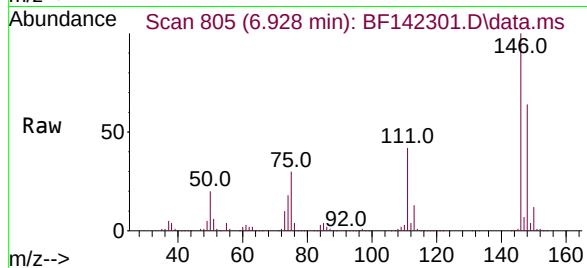
111 41.8 33.4 50.2

Manual Integrations

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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

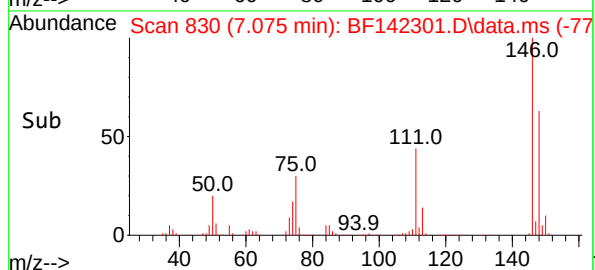
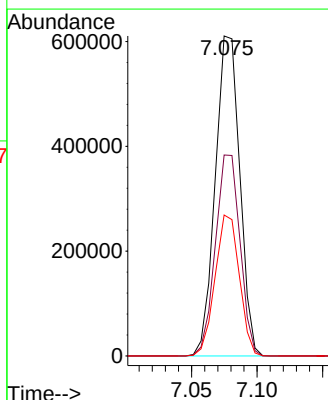
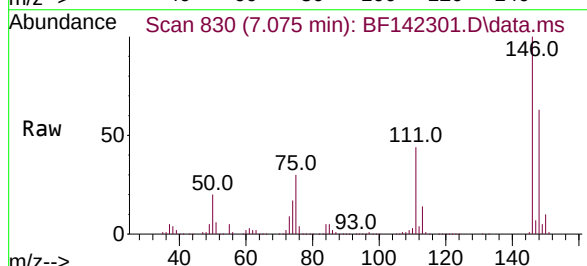
Tgt Ion:146 Resp: 794010

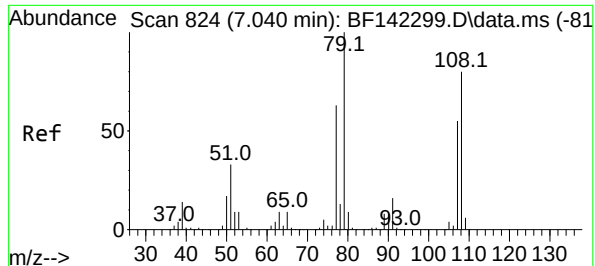
Ion Ratio Lower Upper

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# 81

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

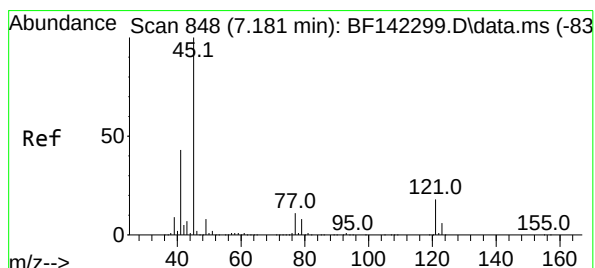
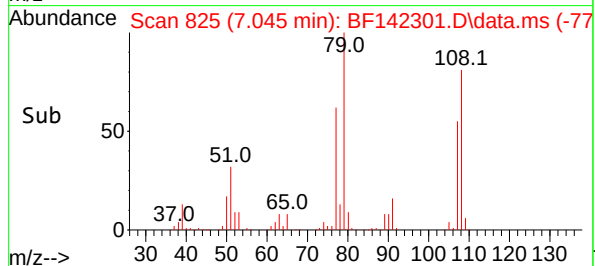
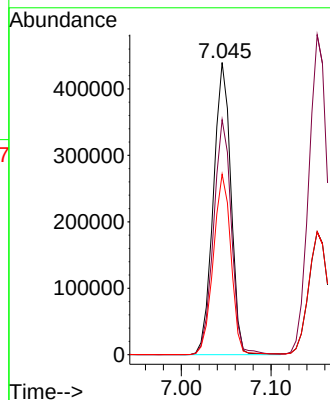
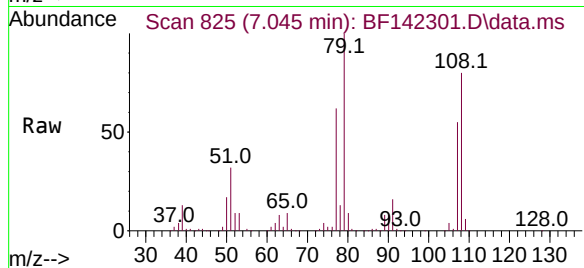
77 61.8 50.7 76.1

Manual Integrations

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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

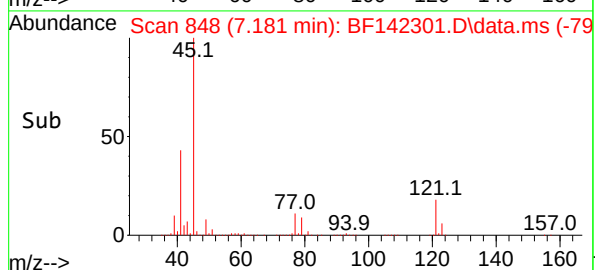
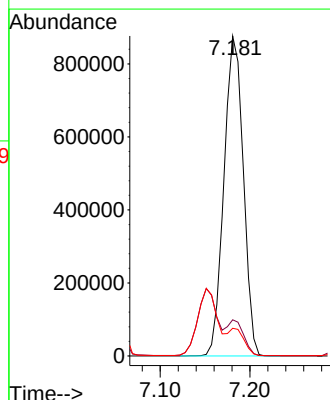
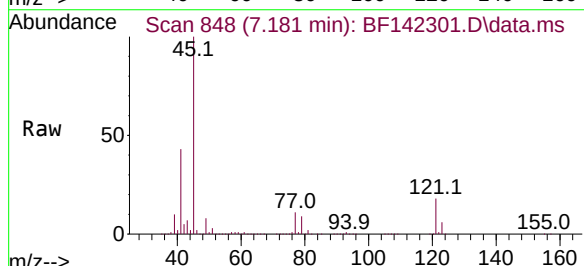
Tgt Ion: 45 Resp: 1310008

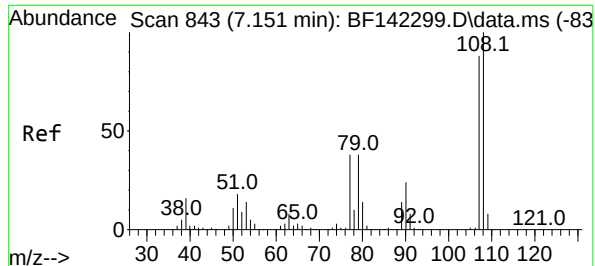
Ion Ratio Lower Upper

45 100

77 11.3 0.0 31.2

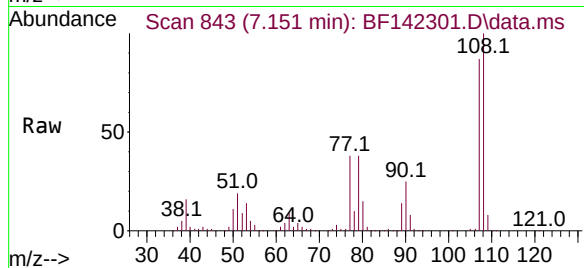
79 8.7 0.0 28.5





#17
2-Methylphenol
Concen: 59.949 ng
RT: 7.151 min Scan# 843
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

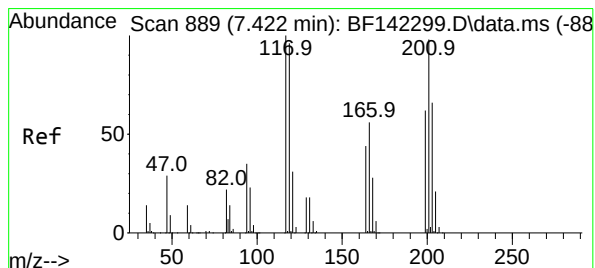
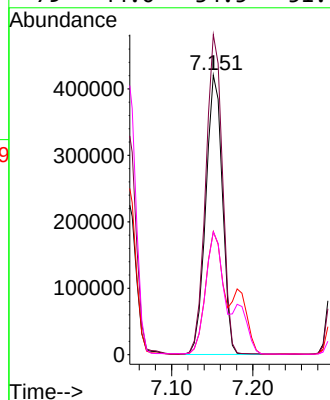
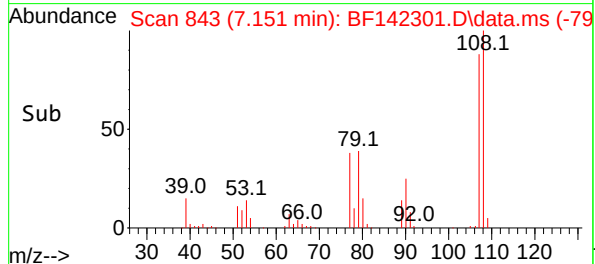
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



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

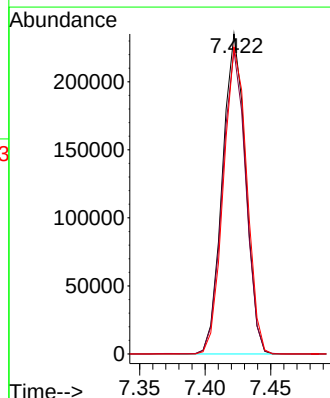
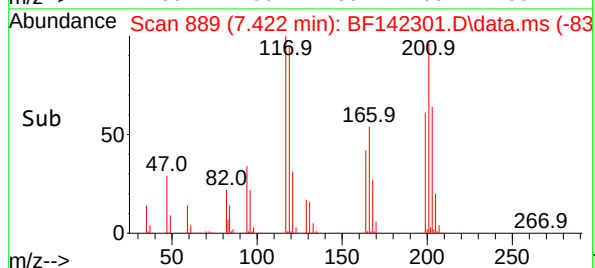
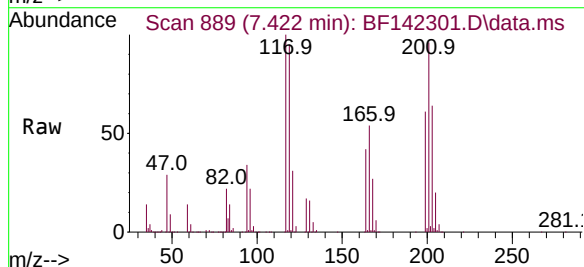
Manual Integrations
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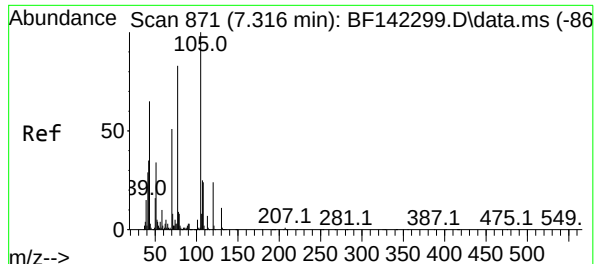
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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# 81

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: 52398

Ion Ratio Lower Upper

70 100

42 66.8 54.8 82.2

101 9.8 7.7 11.5

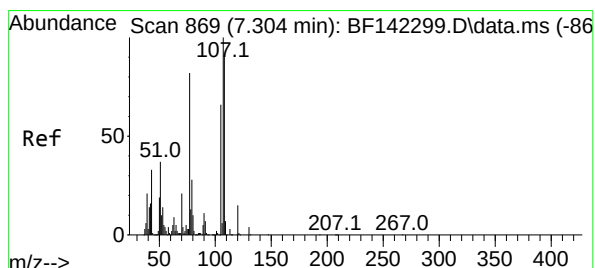
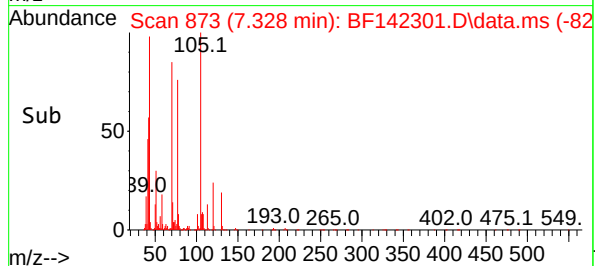
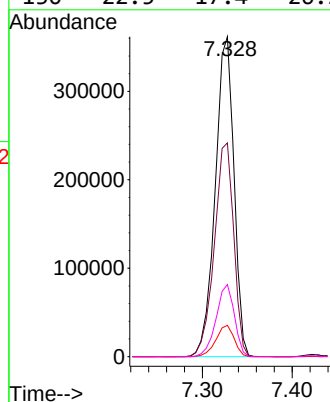
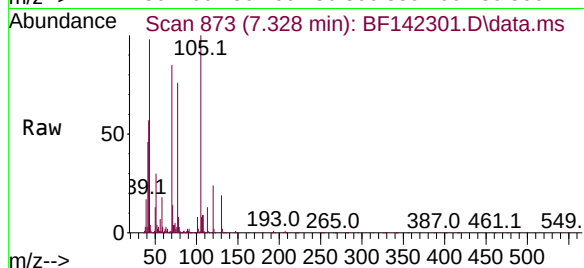
130 22.5 17.4 26.2

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

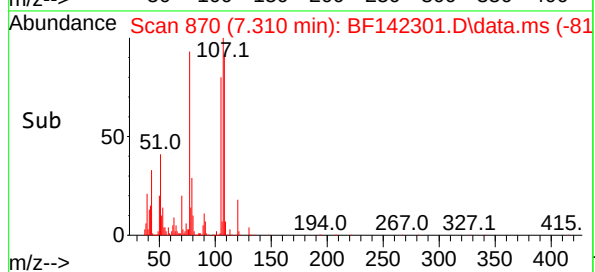
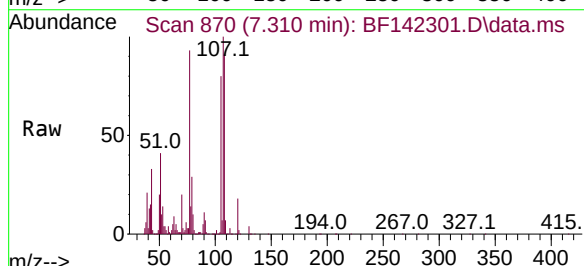
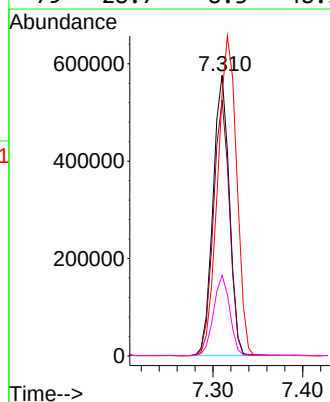
Ion Ratio Lower Upper

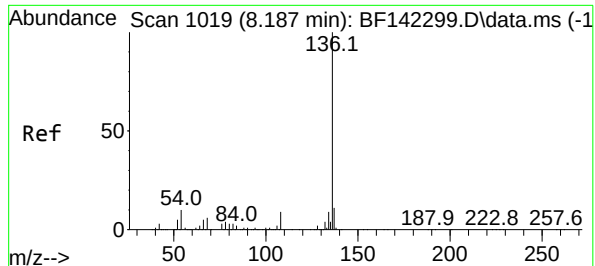
107 100

108 91.2 71.5 111.5

77 93.3 61.6 101.6

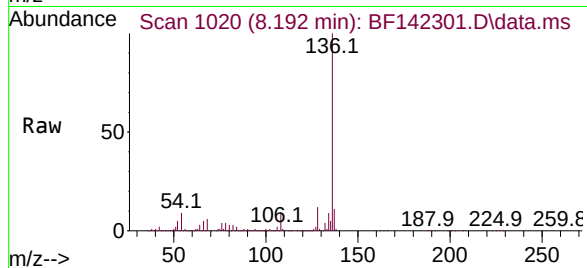
79 28.7 8.3 48.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.192 min Scan# 1019
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

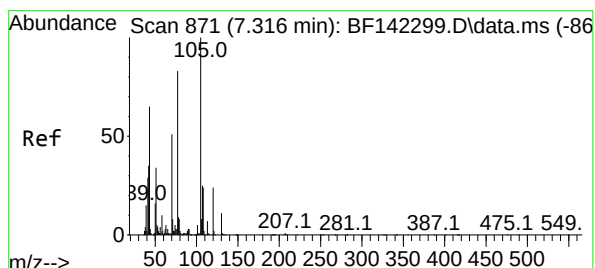
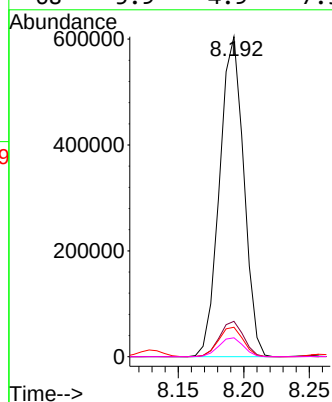
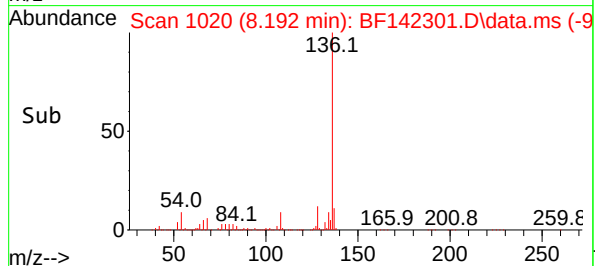
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



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

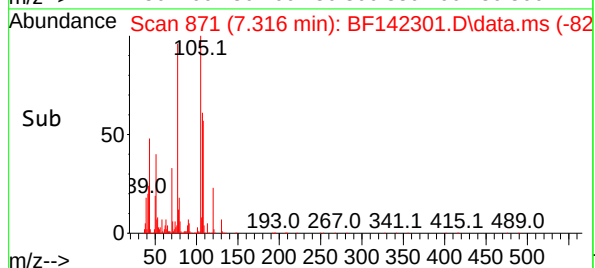
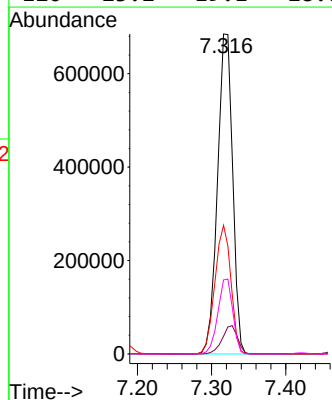
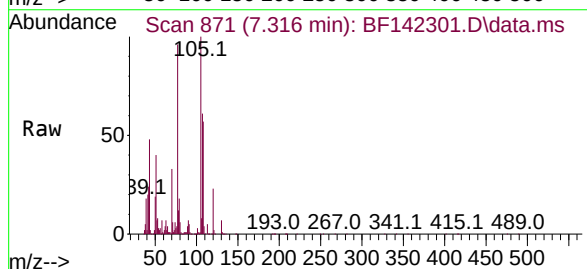
Manual Integrations
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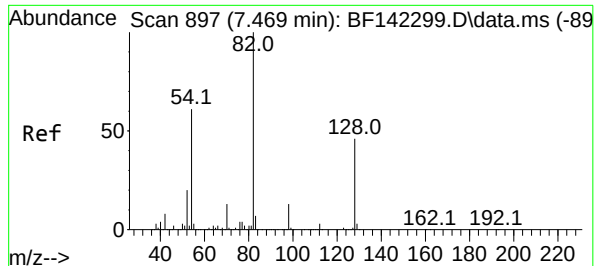
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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# 89

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: 161455

Ion Ratio Lower Upper

82 100

128 47.4 37.0 55.6

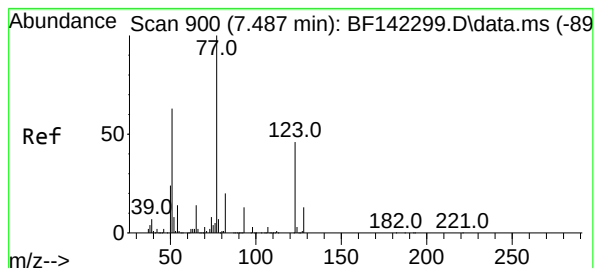
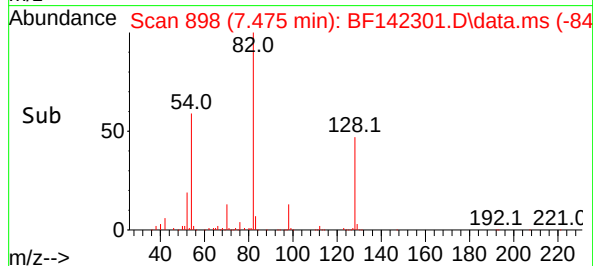
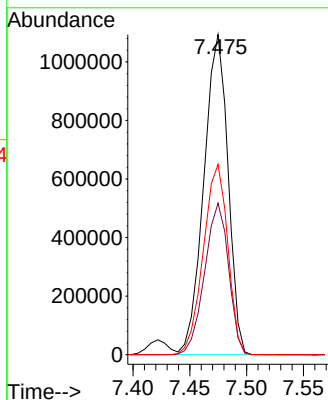
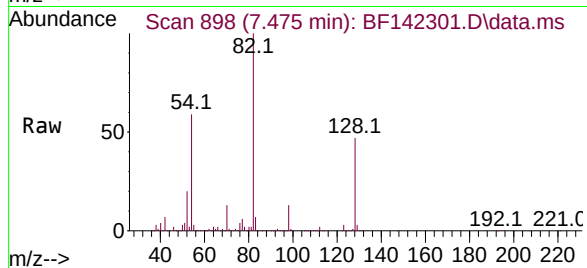
54 59.4 48.6 73.0

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

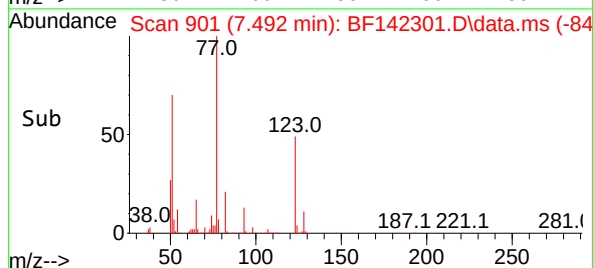
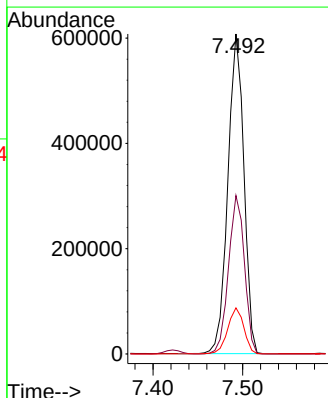
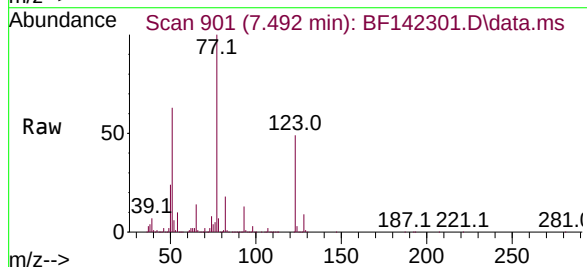
Tgt Ion: 77 Resp: 753847

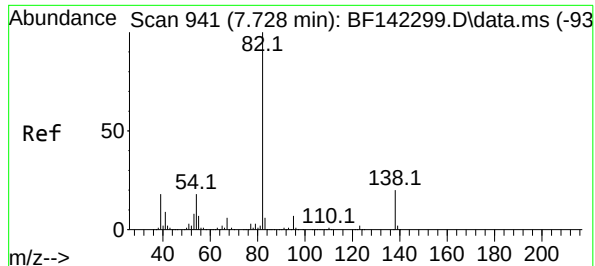
Ion Ratio Lower Upper

77 100

123 49.5 37.8 56.8

65 14.4 11.4 17.0





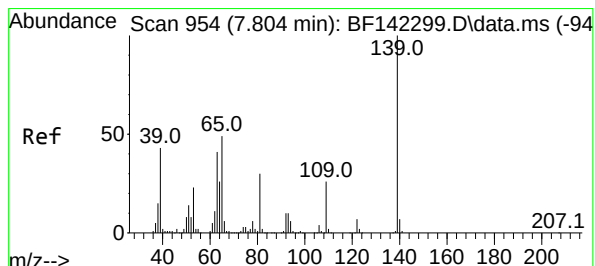
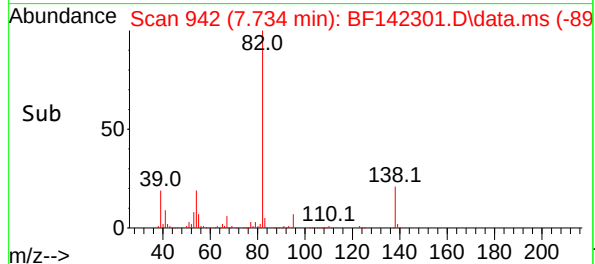
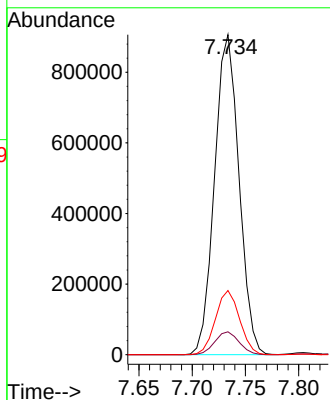
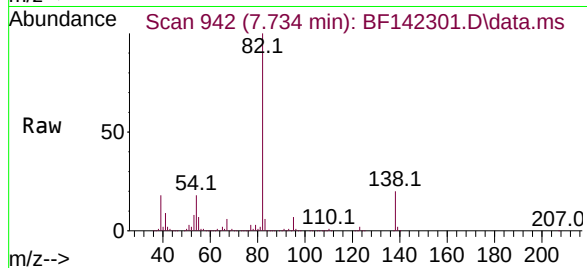
#25
Isophorone
Concen: 60.087 ng
RT: 7.734 min Scan# 941
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 1444390
Ion Ratio Lower Upper
82 100
95 7.1 5.8 8.8
138 20.1 16.1 24.1

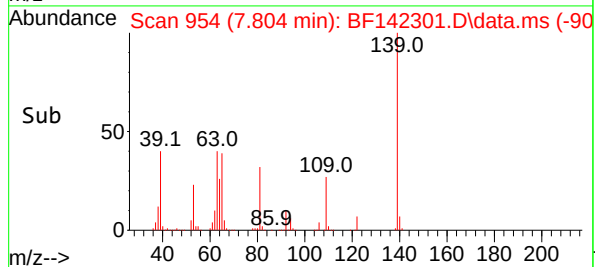
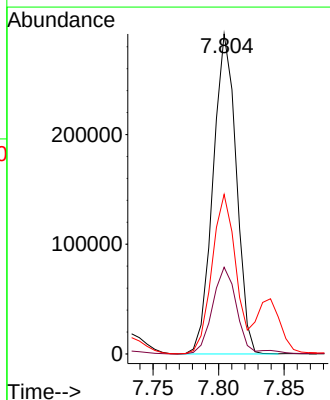
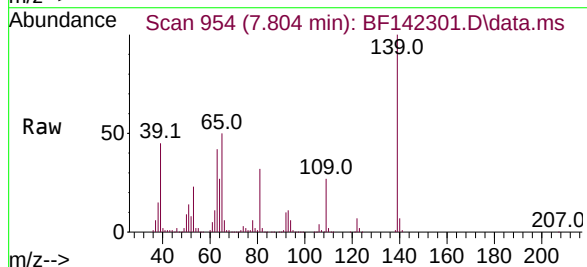
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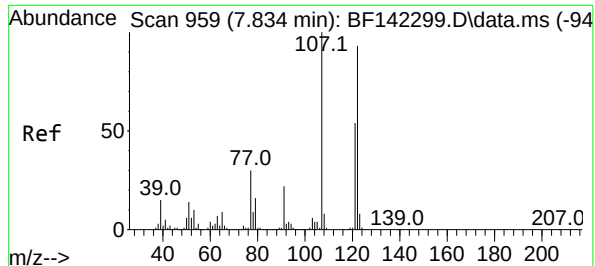
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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# 90

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

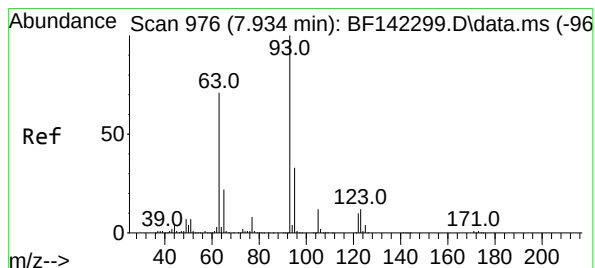
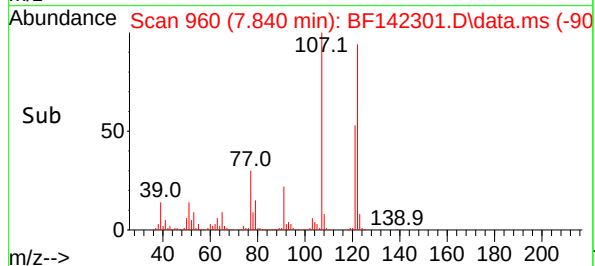
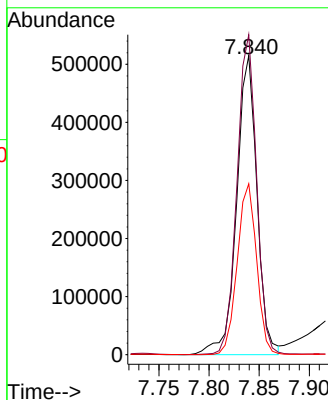
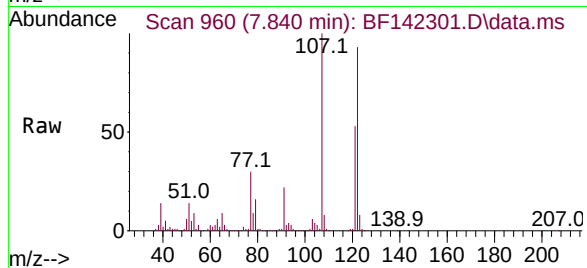
121 57.2 46.2 69.4

Manual Integrations

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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

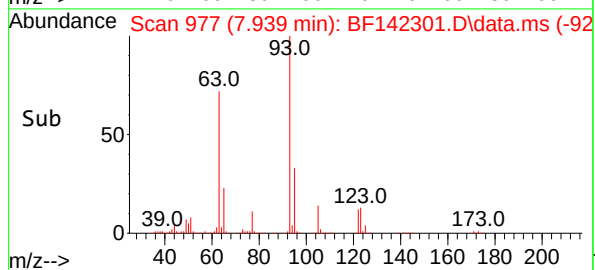
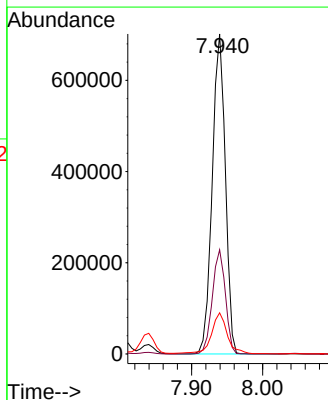
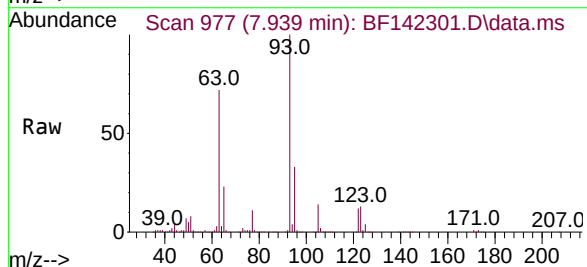
Tgt Ion: 93 Resp: 896741

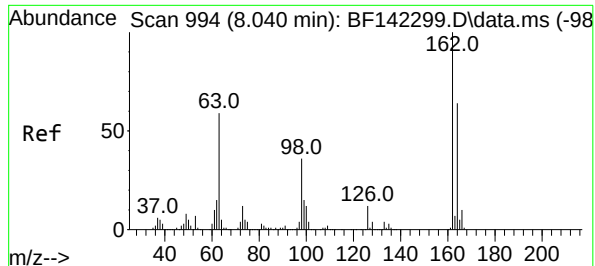
Ion Ratio Lower Upper

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# 994

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: 63671

Ion Ratio Lower Upper

162 100

164 64.2 43.6 83.6

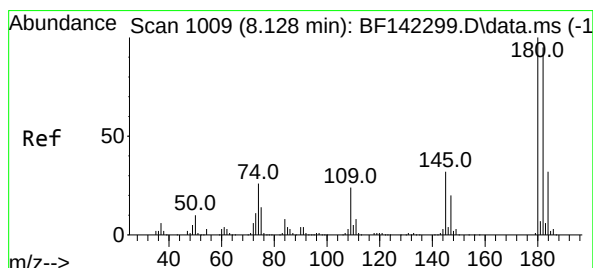
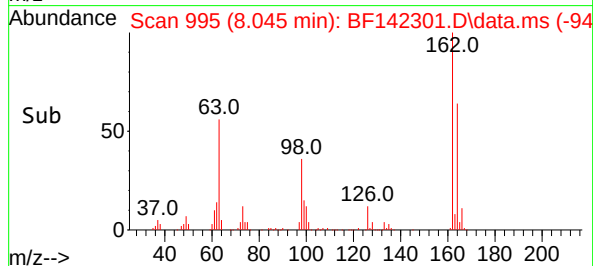
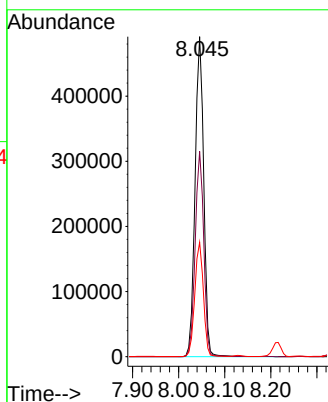
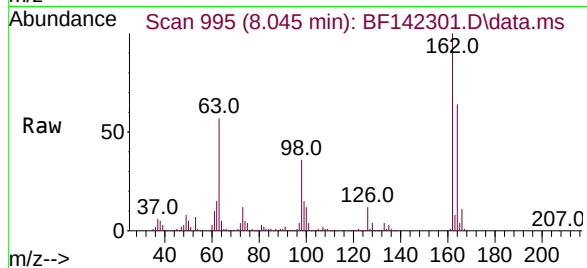
98 35.7 16.5 56.5

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

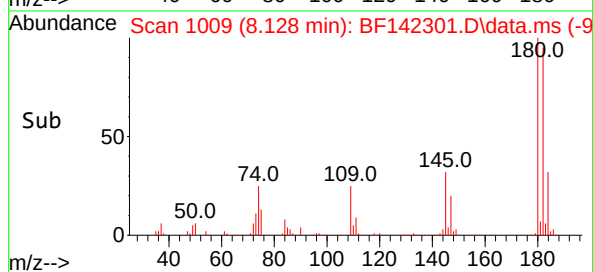
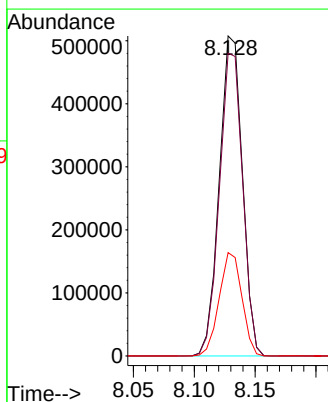
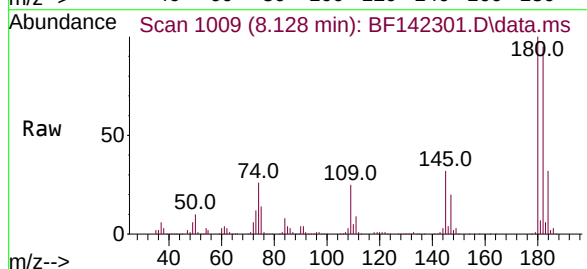
Tgt Ion:180 Resp: 670104

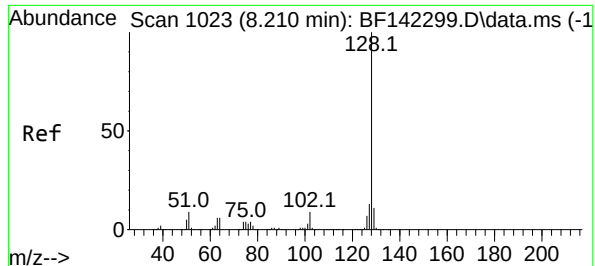
Ion Ratio Lower Upper

180 100

182 94.6 76.2 114.4

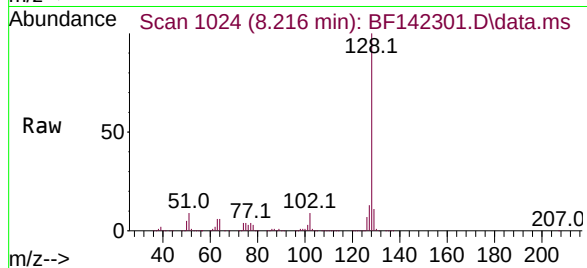
145 32.3 25.8 38.6





#31
Naphthalene
Concen: 56.052 ng
RT: 8.216 min Scan# 1023
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

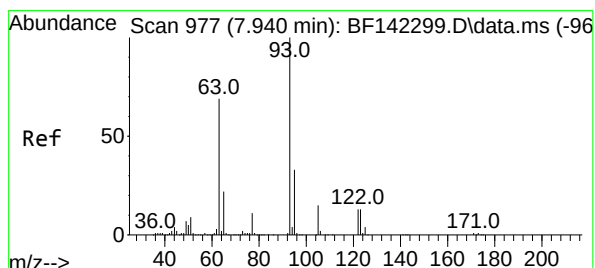
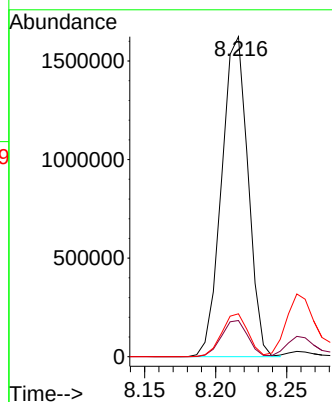
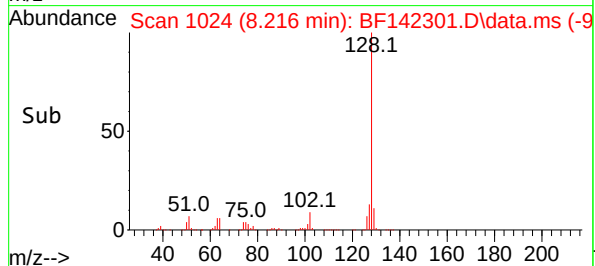
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



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

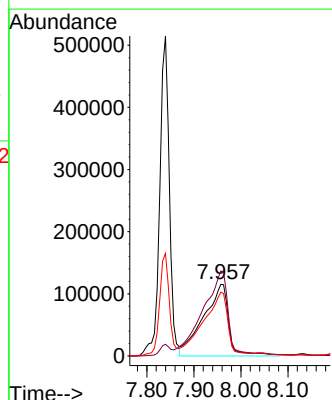
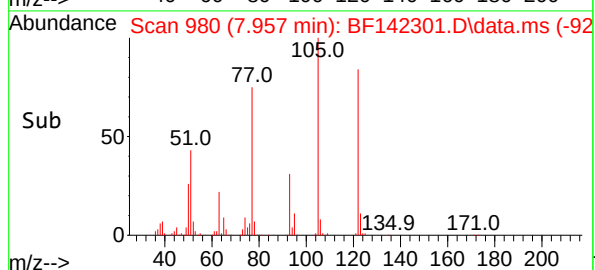
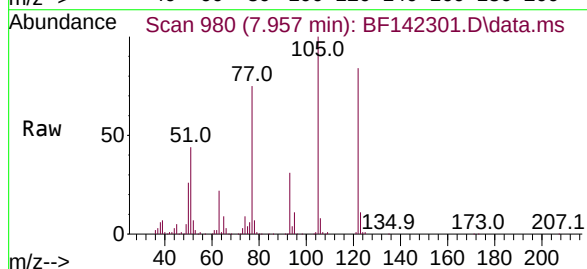
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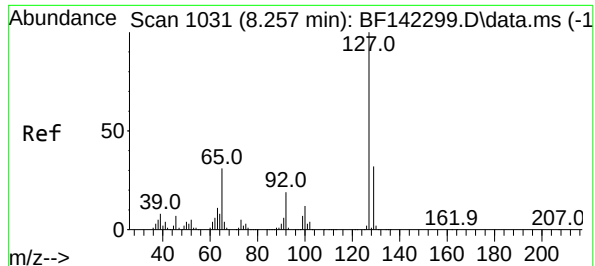
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

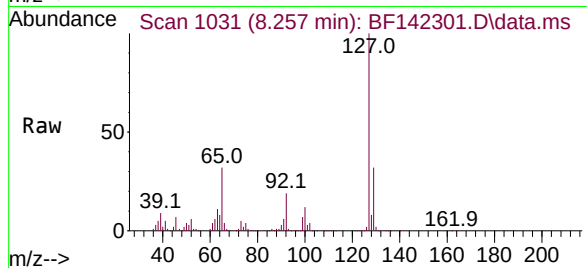
Tgt Ion:122 Resp: 433085
Ion Ratio Lower Upper
122 100
105 118.7 97.9 137.9
77 89.0 67.7 107.7





#33
4-Chloroaniline
Concen: 63.039 ng m
RT: 8.257 min Scan# 1031
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

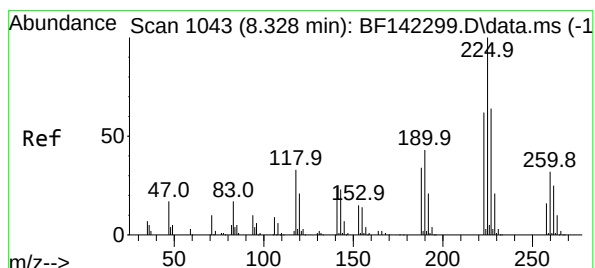
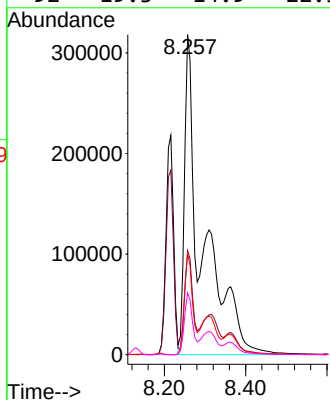
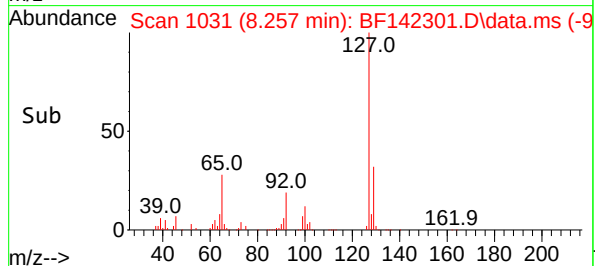
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:127 Resp: 963425
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

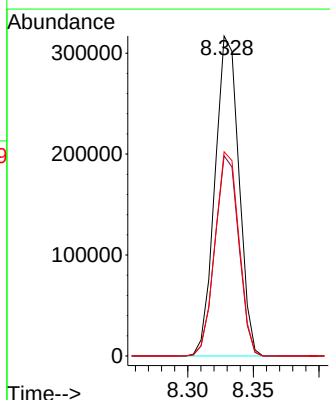
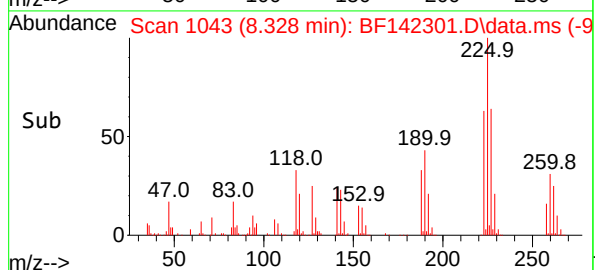
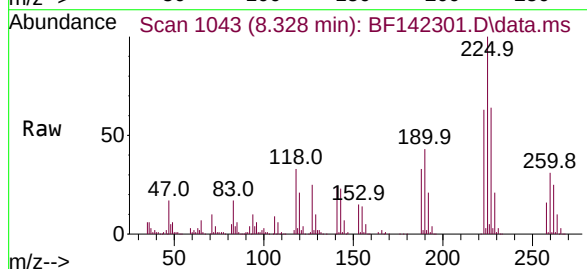
Manual Integrations
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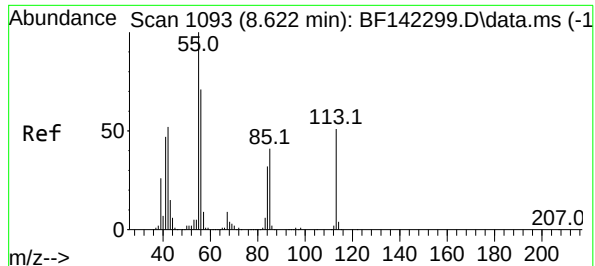
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

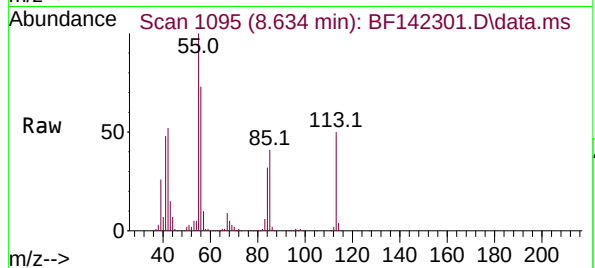
Tgt Ion:225 Resp: 401644
Ion Ratio Lower Upper
225 100
223 62.6 49.8 74.6
227 63.8 50.9 76.3





#35
Caprolactam
Concen: 64.619 ng
RT: 8.634 min Scan# 1095
Delta R.T. 0.012 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

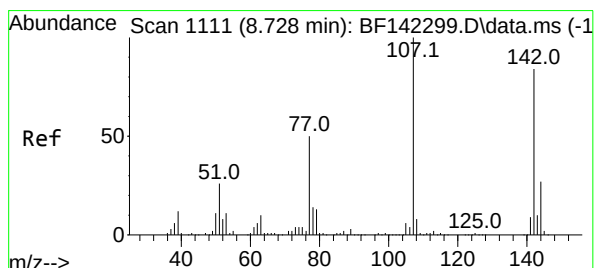
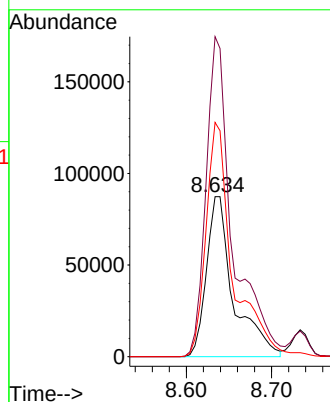
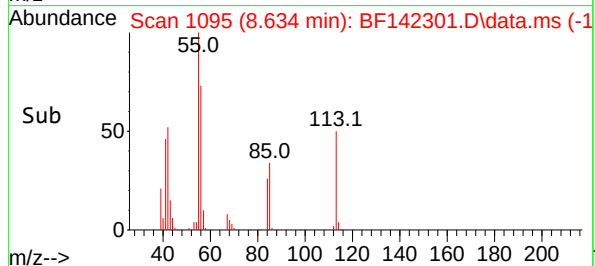
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



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

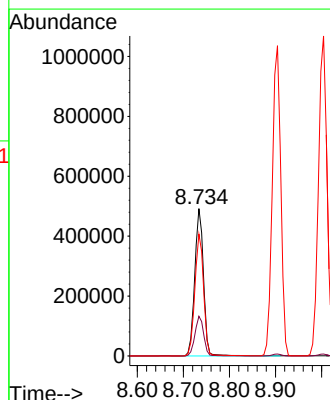
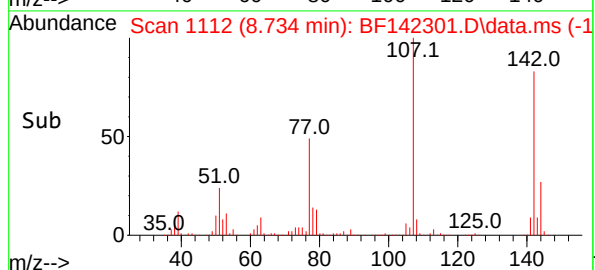
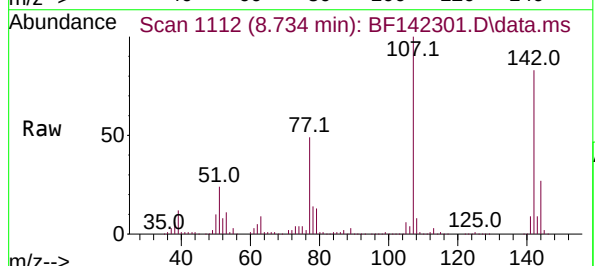
Manual Integrations
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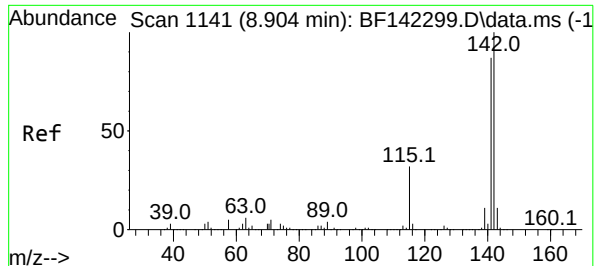
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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# 1141

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

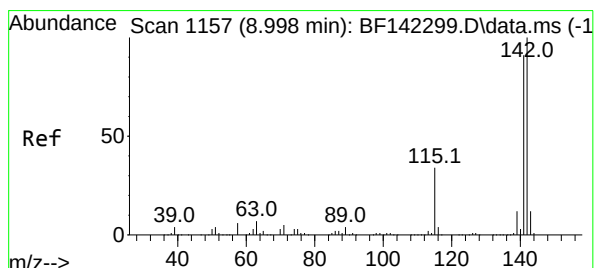
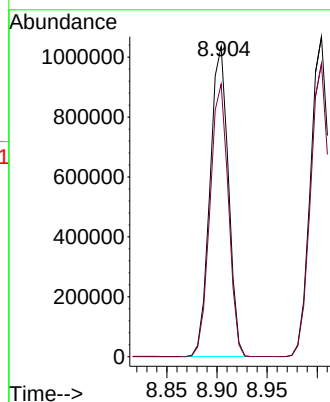
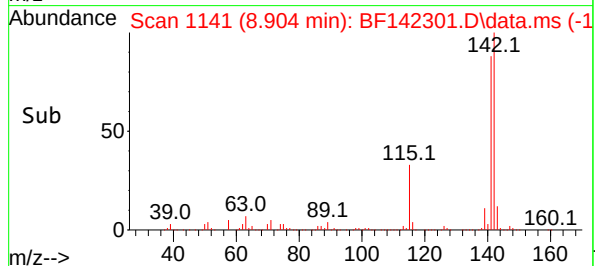
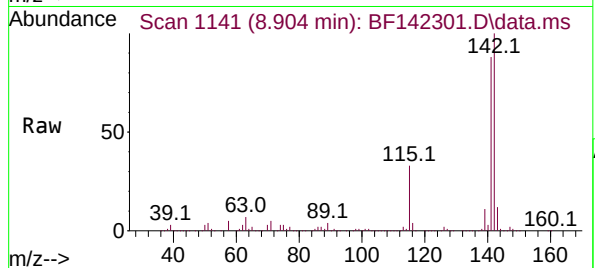
141 87.9 69.4 104.2

Manual Integrations

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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

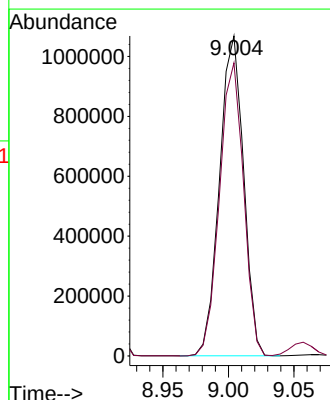
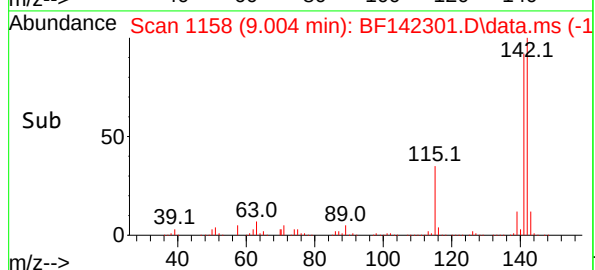
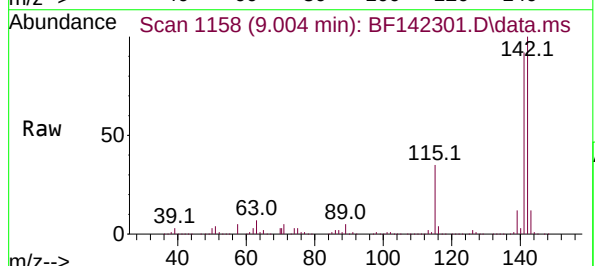
Acq: 05 May 2025 16:47

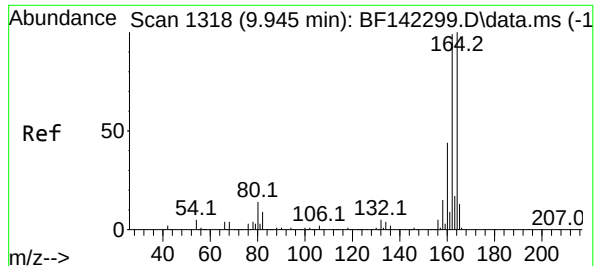
Tgt Ion:142 Resp: 1363474

Ion Ratio Lower Upper

142 100

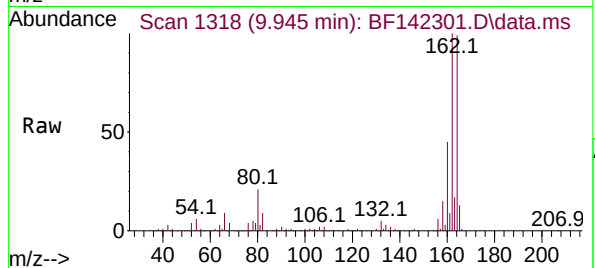
141 91.6 72.5 108.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1118
Delta R.T. 0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

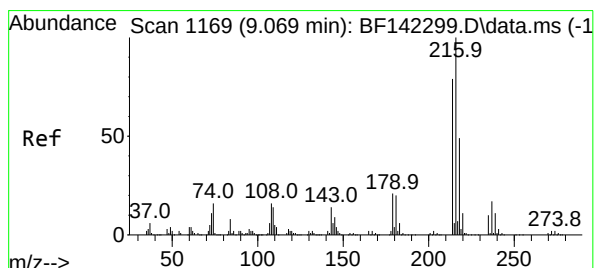
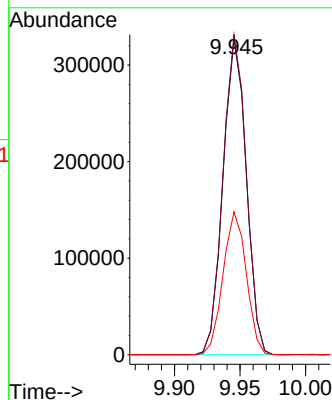
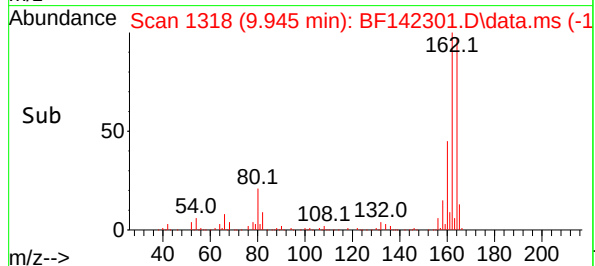
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



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

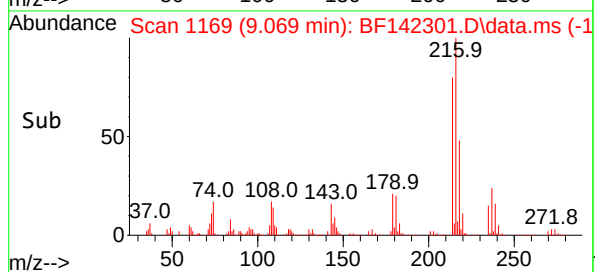
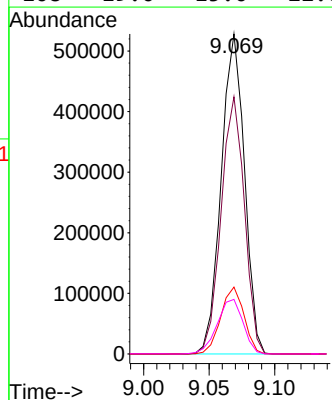
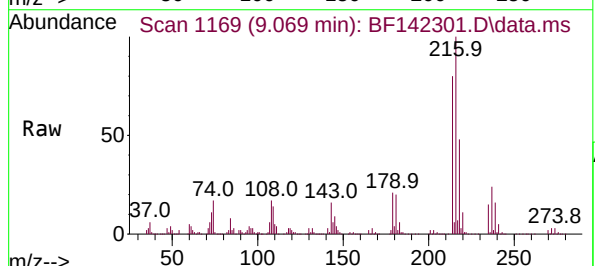
Manual Integrations
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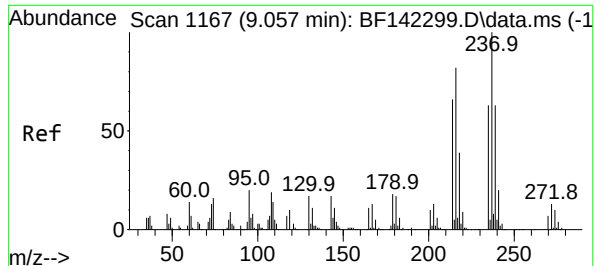
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

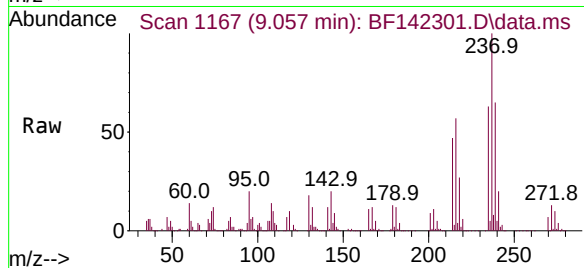
Tgt Ion:216 Resp: 650696
Ion Ratio Lower Upper
216 100
214 80.3 63.8 95.6
179 20.9 17.0 25.6
108 19.0 15.0 22.6





#41
Hexachlorocyclopentadiene
Concen: 65.925 ng
RT: 9.057 min Scan# 1167
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

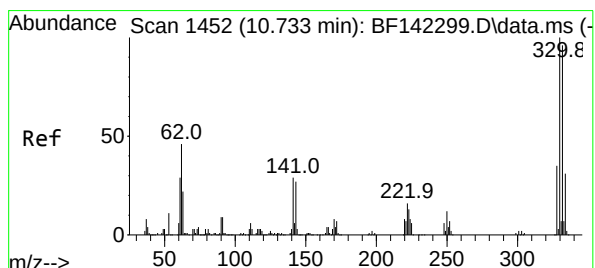
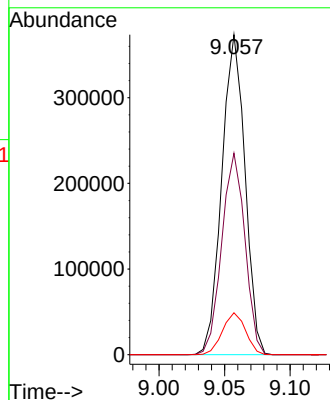
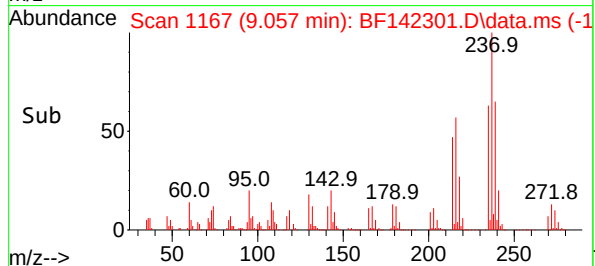
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



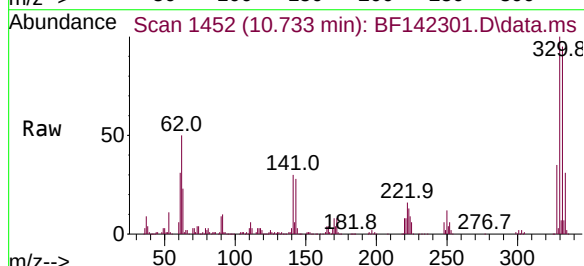
Tgt Ion:237 Resp: 45914
Ion Ratio Lower Upper
237 100
235 62.9 42.8 82.8
272 13.1 0.0 33.0

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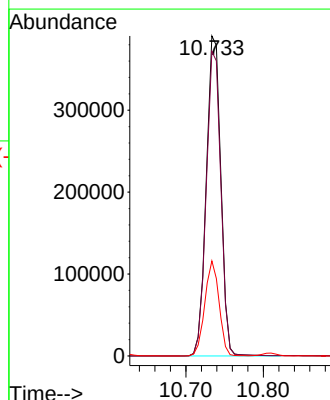
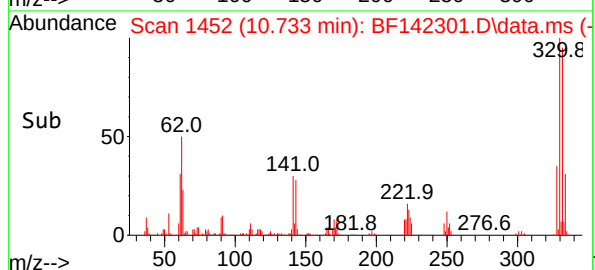
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

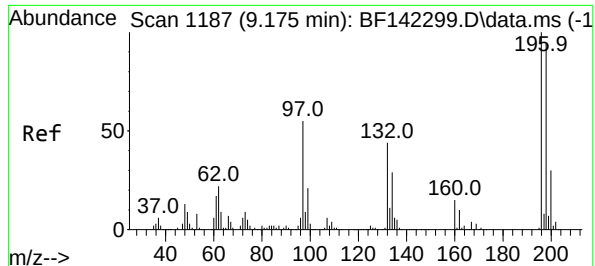


#42
2,4,6-Tribromophenol
Concen: 130.732 ng
RT: 10.733 min Scan# 1452
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47



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# 1187

Delta R.T. -0.000 min

Lab File: BF142301.D

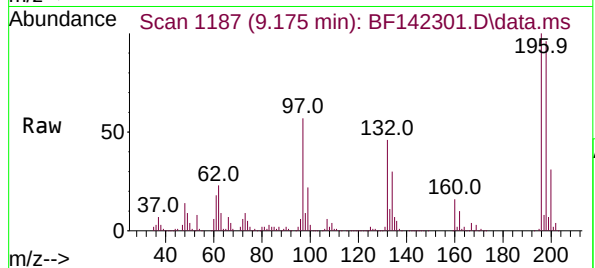
Acq: 05 May 2025 16:47

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



Tgt Ion:196 Resp: 44883

Ion Ratio Lower Upper

196 100

198 95.9 75.4 113.0

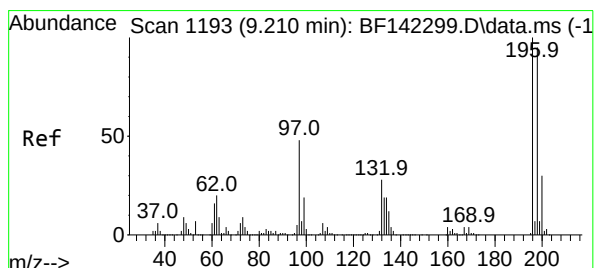
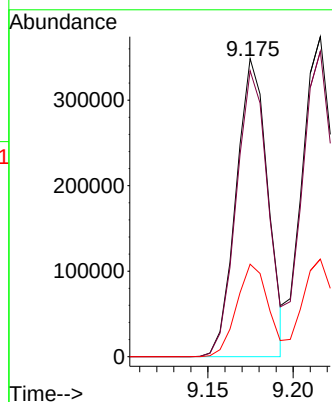
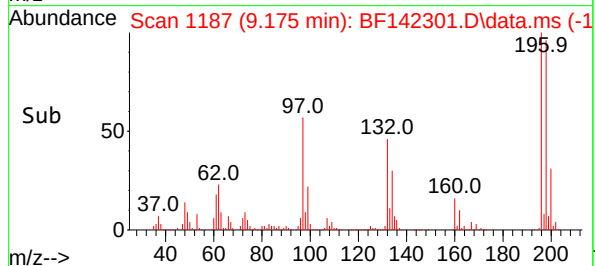
200 31.0 24.3 36.5

Manual Integrations

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Reviewed By :Rahul Chavli 05/06/2025

Supervised By :Jagrut Upadhyay 05/06/2025



#44

2,4,5-Trichlorophenol

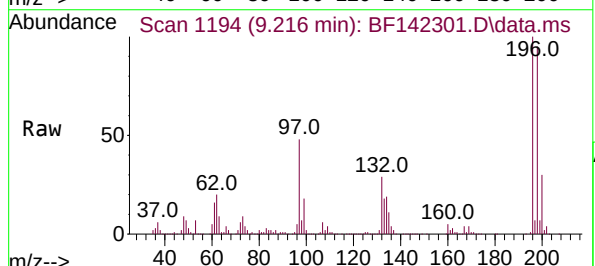
Concen: 63.505 ng

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

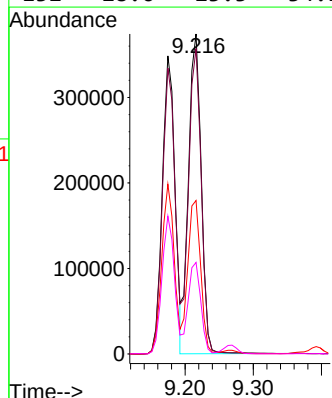
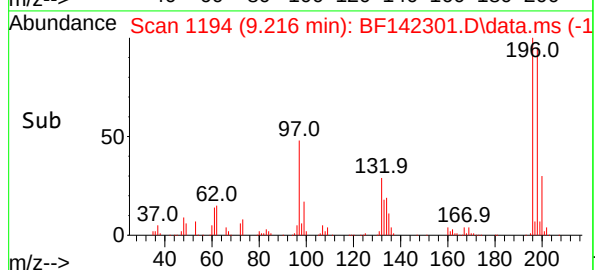
Ion Ratio Lower Upper

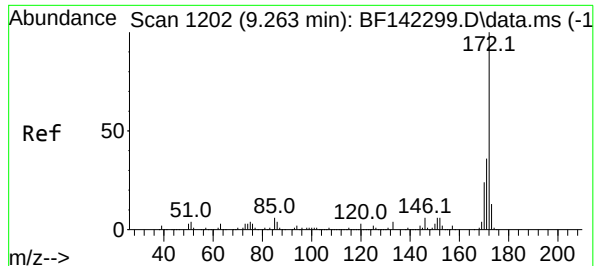
196 100

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# 1202

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: 301592

Ion Ratio Lower Upper

172 100

171 36.5 28.6 42.8

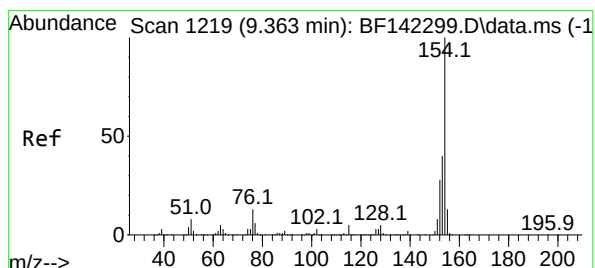
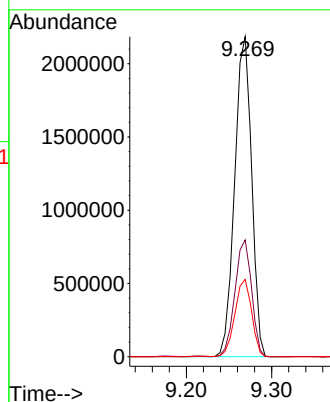
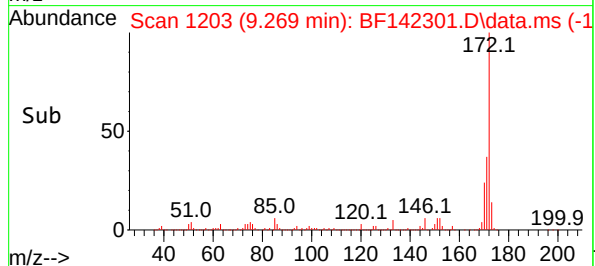
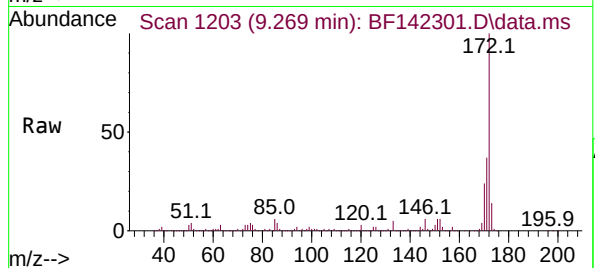
170 24.2 19.0 28.4

Manual Integrations

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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

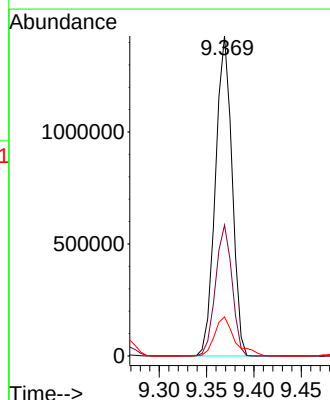
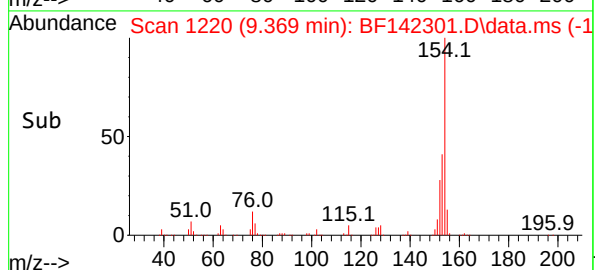
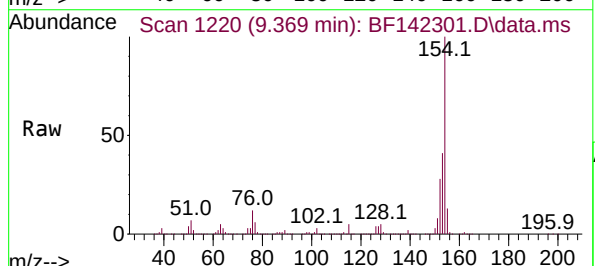
Tgt Ion:154 Resp: 1745424

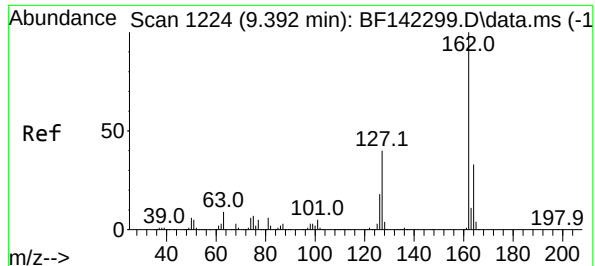
Ion Ratio Lower Upper

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# 11

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

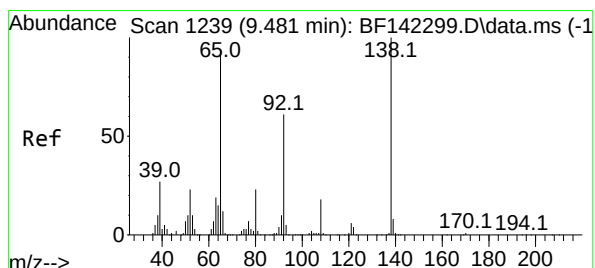
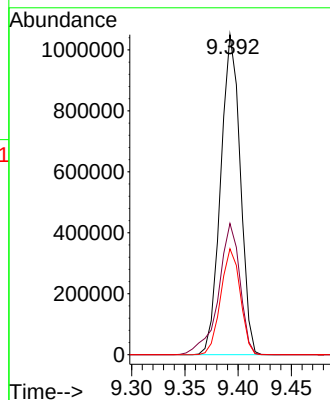
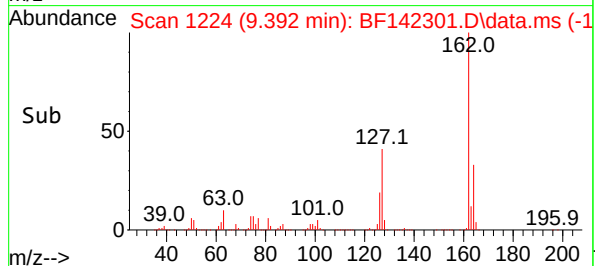
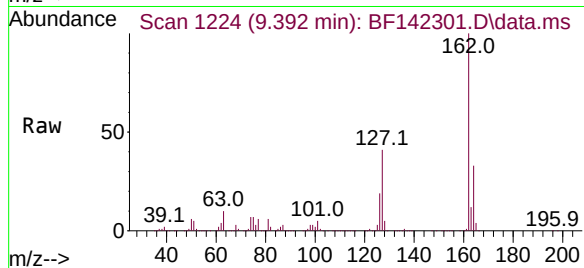
164 33.1 26.6 40.0

Manual Integrations

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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

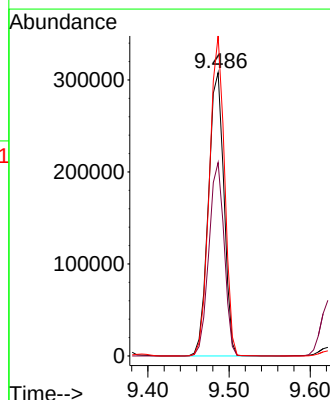
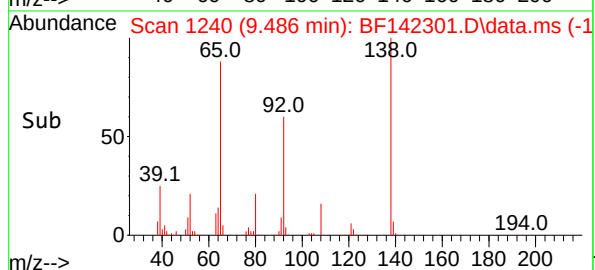
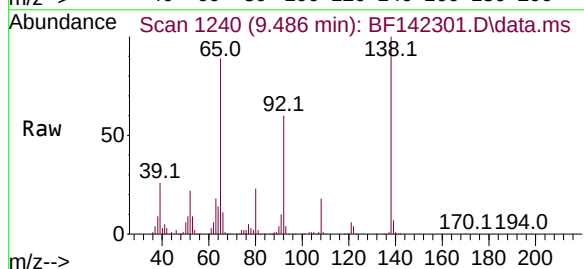
Tgt Ion: 65 Resp: 407862

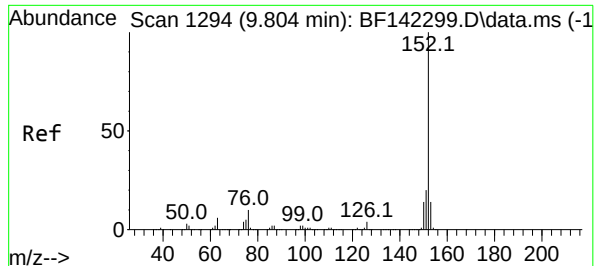
Ion Ratio Lower Upper

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# 11

Delta R.T. 0.006 min

Lab File: BF142301.D

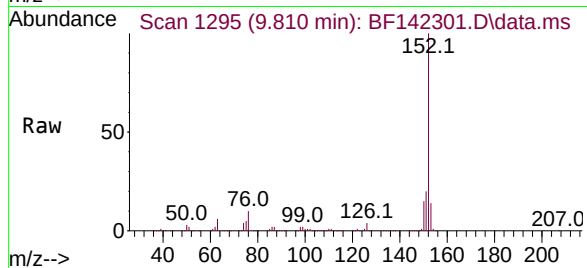
Acq: 05 May 2025 16:47

Instrument :

BNA_F

ClientSampleId :

SSTDICC060



Tgt Ion:152 Resp: 2215774

Ion Ratio Lower Upper

152 100

151 20.4 16.0 24.0

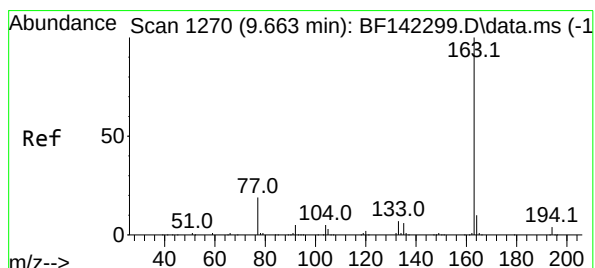
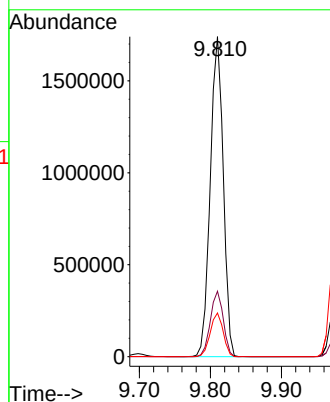
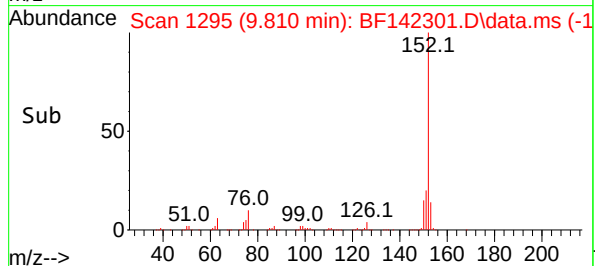
153 13.6 10.8 16.2

Manual Integrations

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Reviewed By :Rahul Chavli 05/06/2025

Supervised By :Jagrut Upadhyay 05/06/2025



#50

Dimethylphthalate

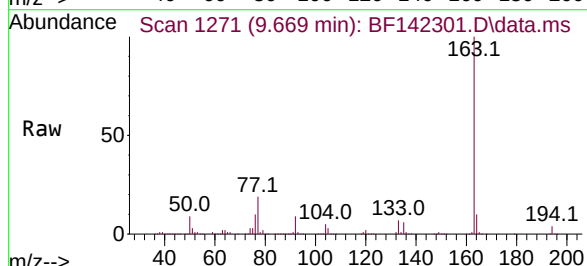
Concen: 59.587 ng

RT: 9.669 min Scan# 1271

Delta R.T. 0.006 min

Lab File: BF142301.D

Acq: 05 May 2025 16:47



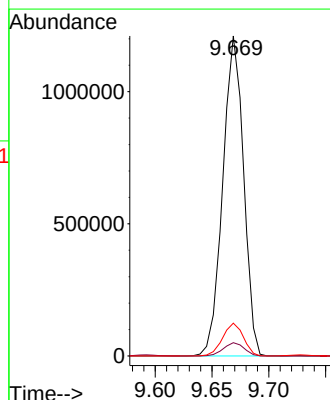
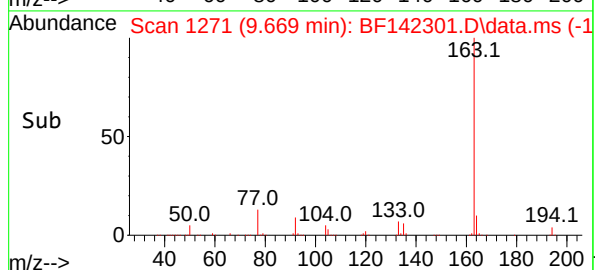
Tgt Ion:163 Resp: 1543896

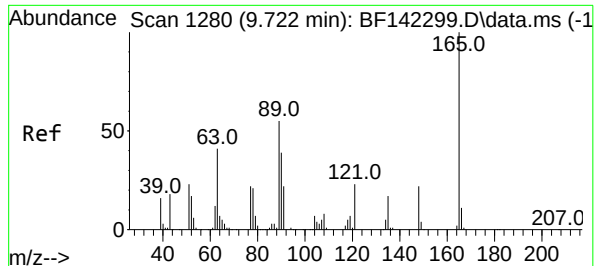
Ion Ratio Lower Upper

163 100

194 4.2 3.2 4.8

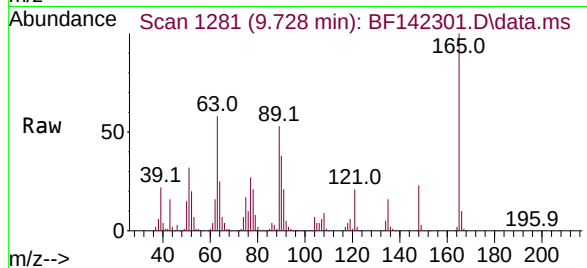
164 10.2 8.3 12.5





#51
2,6-Dinitrotoluene
Concen: 68.237 ng
RT: 9.728 min Scan# 1280
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

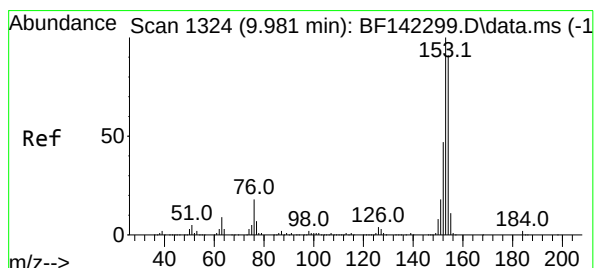
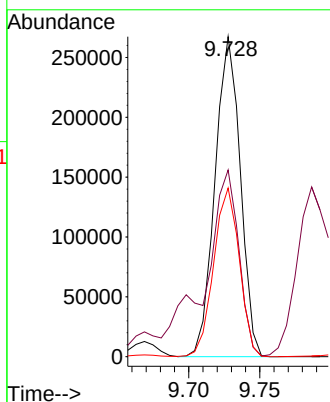
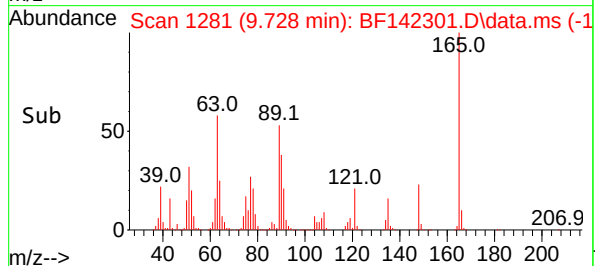
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



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

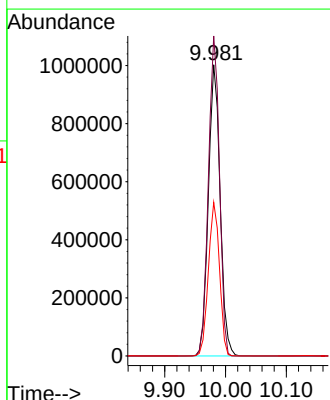
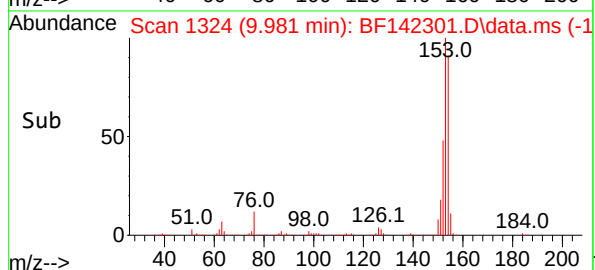
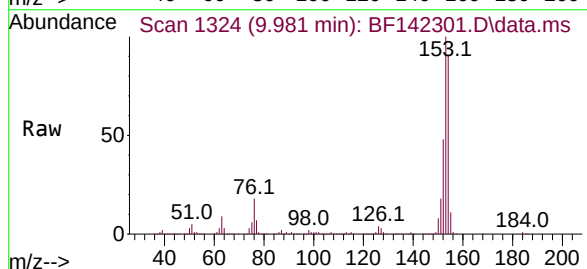
Manual Integrations
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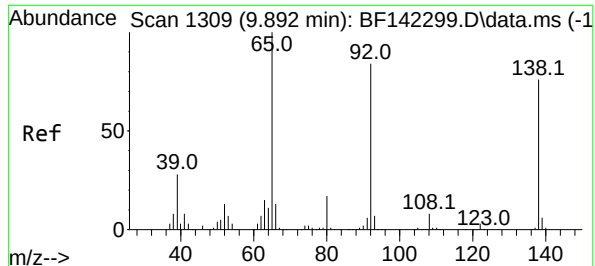
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

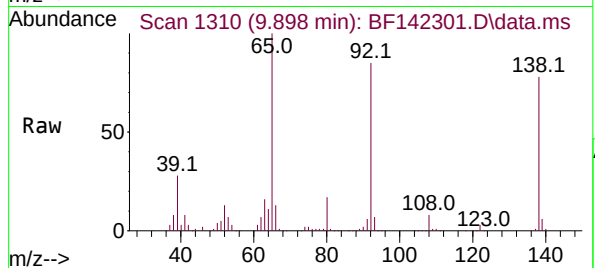
Tgt Ion:154 Resp: 1345347
Ion Ratio Lower Upper
154 100
153 109.9 88.0 132.0
152 52.7 41.6 62.4





#53
3-Nitroaniline
Concen: 67.787 ng
RT: 9.898 min Scan# 1310
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

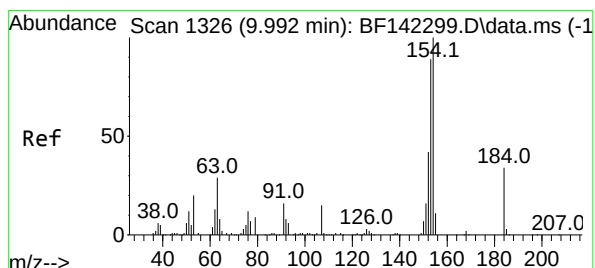
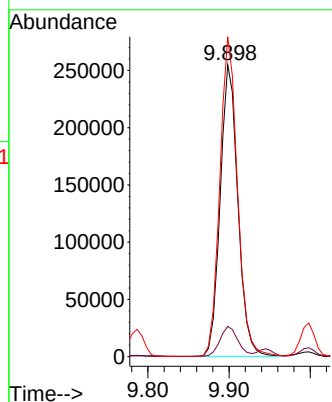
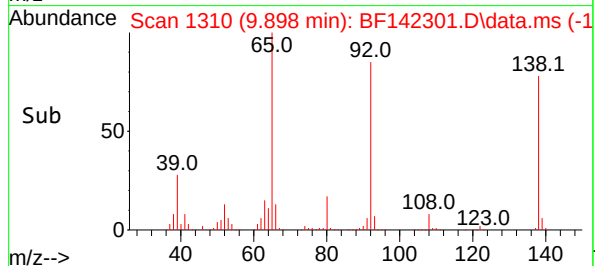
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



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

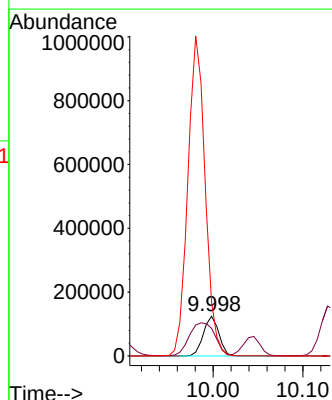
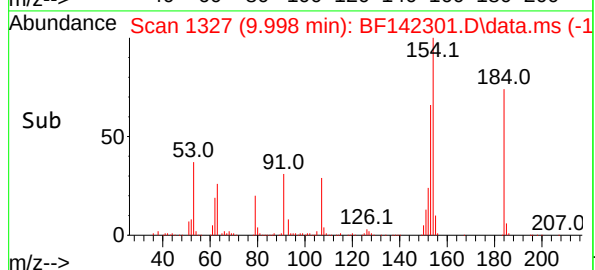
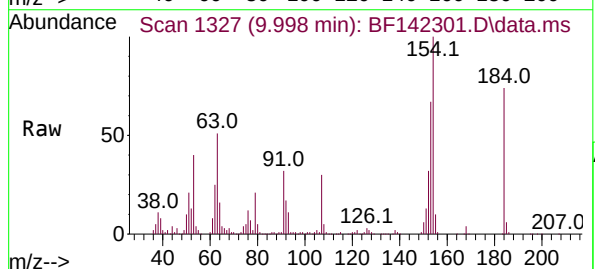
Manual Integrations
APPROVED

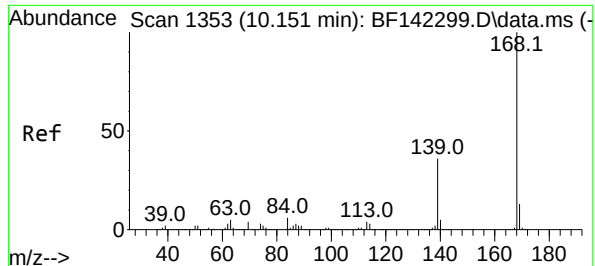
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

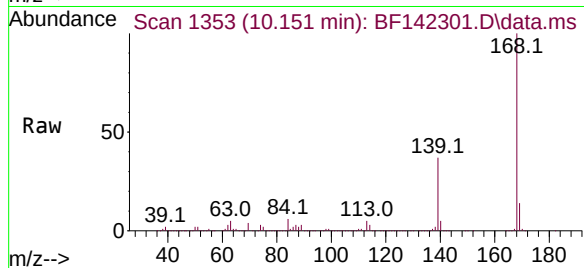
Tgt Ion:184 Resp: 149707
Ion Ratio Lower Upper
184 100
63 69.6 70.6 105.8#
154 135.7 257.2 385.8#





#55
Dibenzenofuran
Concen: 57.013 ng
RT: 10.151 min Scan# 1353
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

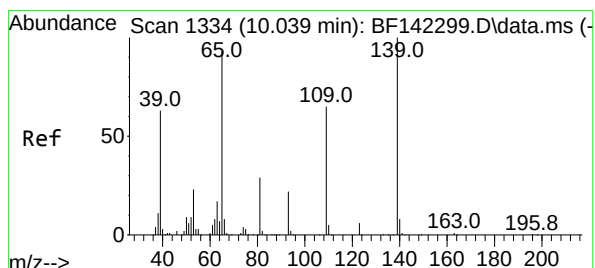
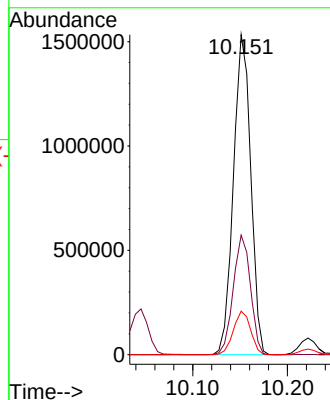
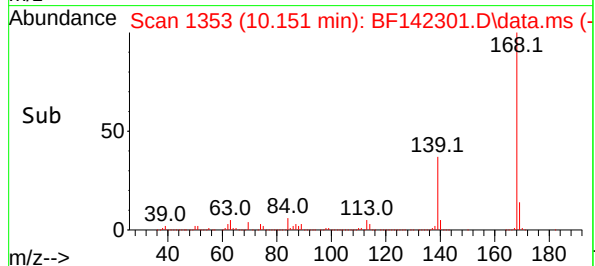
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



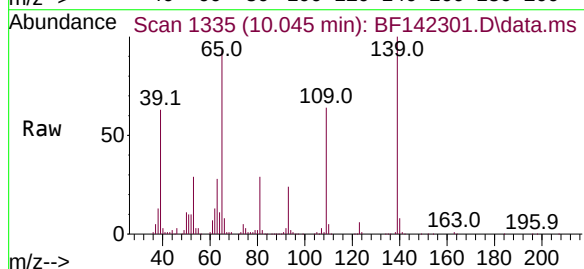
Tgt Ion:168 Resp: 194724
Ion Ratio Lower Upper
168 100
139 37.3 29.0 43.4
169 13.6 10.7 16.1

Manual Integrations
APPROVED

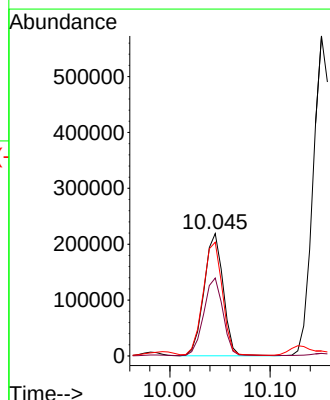
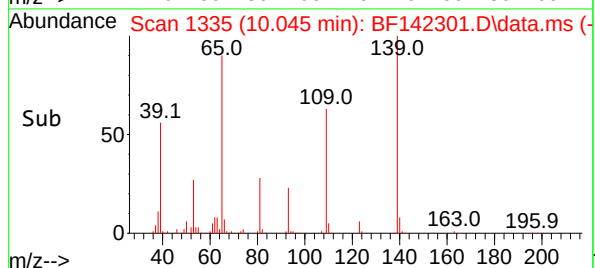
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

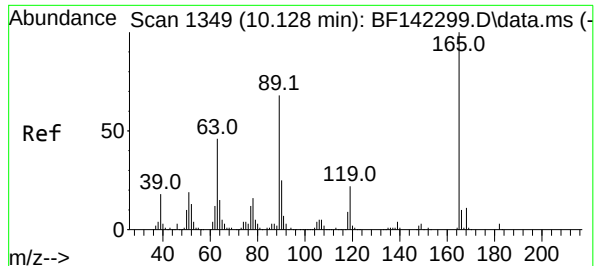


#56
4-Nitrophenol
Concen: 67.801 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47



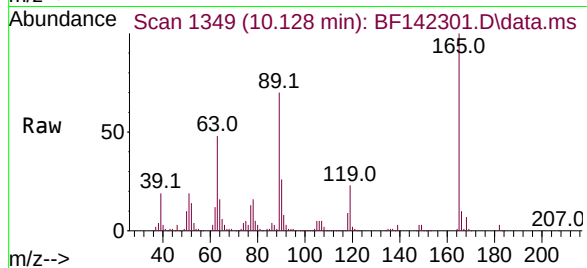
Tgt Ion:139 Resp: 290245
Ion Ratio Lower Upper
139 100
109 63.7 45.3 85.3
65 93.0 73.9 113.9





#57
2,4-Dinitrotoluene
Concen: 69.171 ng
RT: 10.128 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

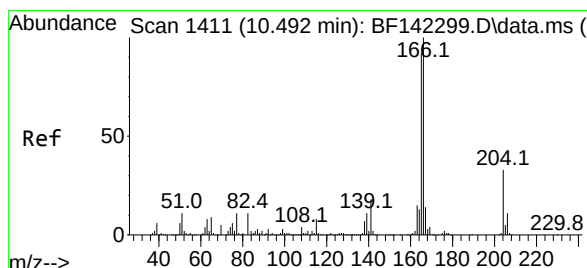
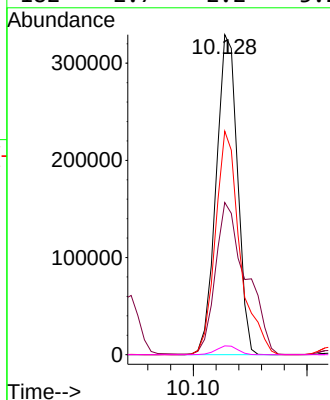
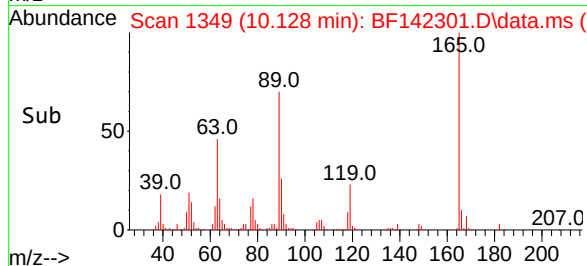
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



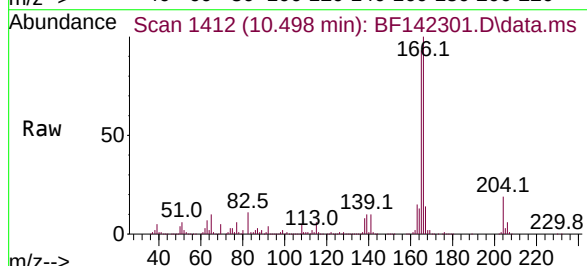
Tgt Ion:165 Resp: 43031
Ion Ratio Lower Upper
165 100
63 47.6 37.1 55.7
89 69.8 54.4 81.6
182 2.7 2.2 3.2

Manual Integrations
APPROVED

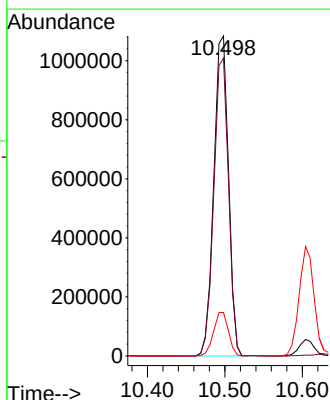
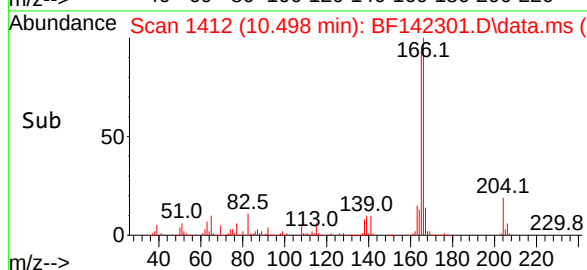
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

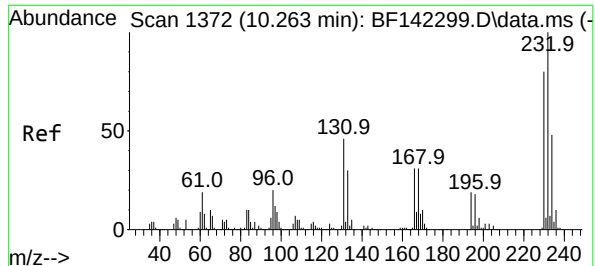


#58
Fluorene
Concen: 54.944 ng
RT: 10.498 min Scan# 1412
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47



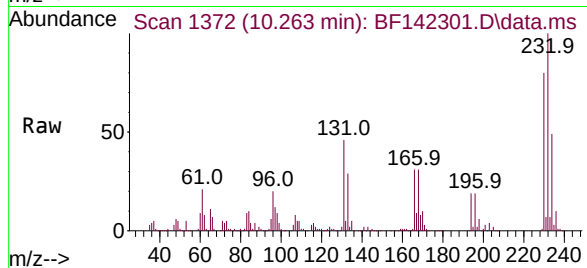
Tgt Ion:166 Resp: 1432119
Ion Ratio Lower Upper
166 100
165 93.1 74.0 111.0
167 13.6 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 63.842 ng
RT: 10.263 min Scan# 1372
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

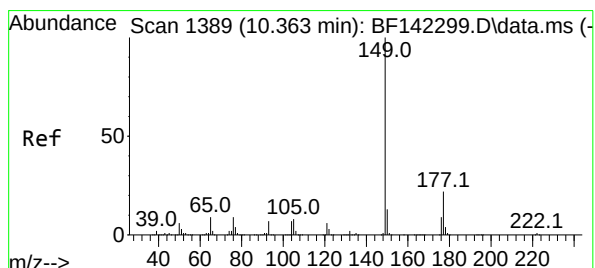
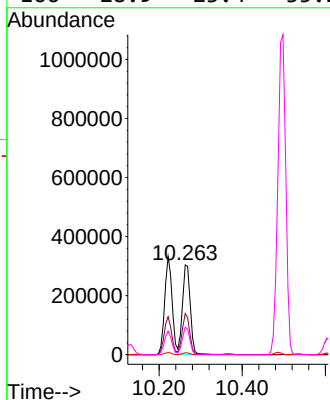
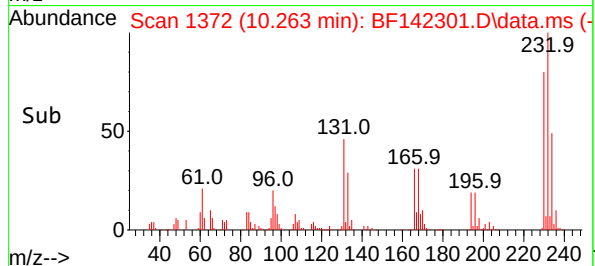
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



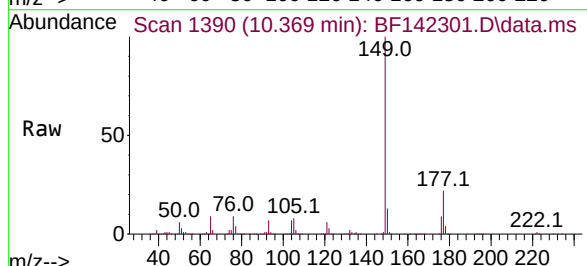
Tgt Ion:232 Resp: 398607
Ion Ratio Lower Upper
232 100
131 43.2 36.0 54.0
130 2.0 1.8 2.6
166 28.9 23.4 35.2

Manual Integrations
APPROVED

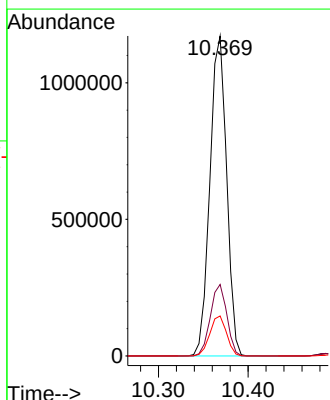
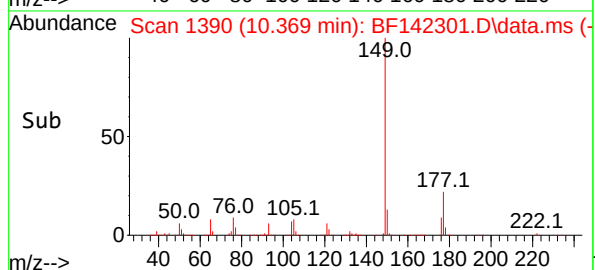
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

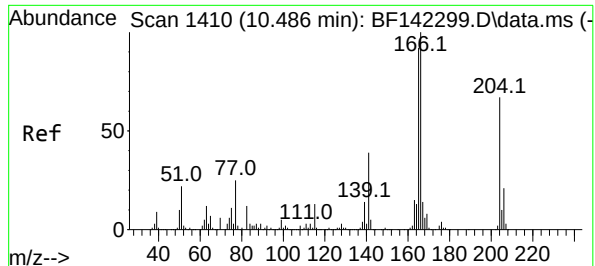


#60
Diethylphthalate
Concen: 58.568 ng
RT: 10.369 min Scan# 1390
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47



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





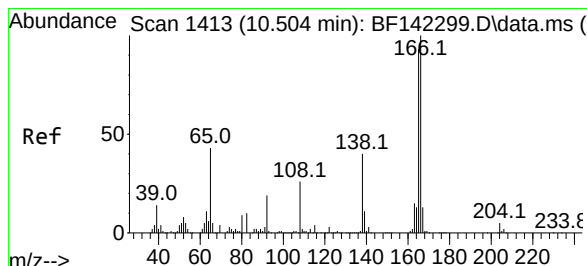
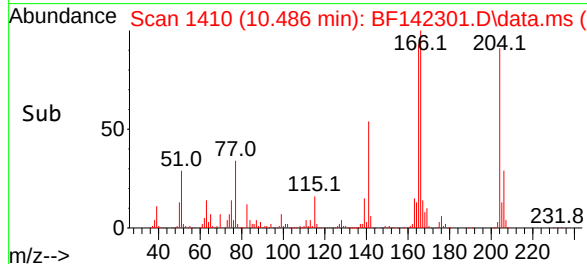
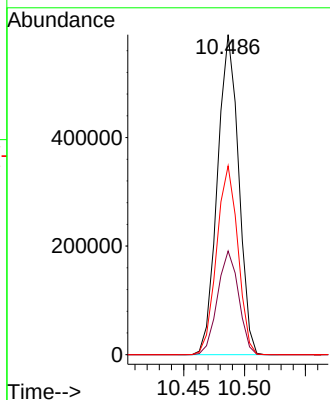
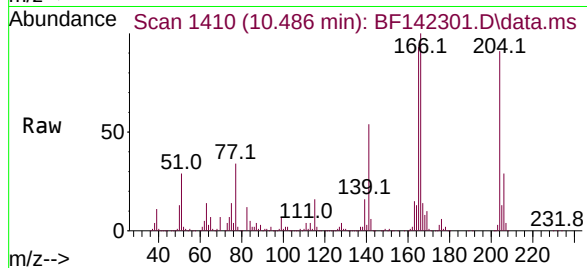
#61
4-Chlorophenyl-phenylether
Concen: 56.782 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:204 Resp: 71404
Ion Ratio Lower Upper
204 100
206 32.4 25.5 38.3
141 59.0 46.4 69.6

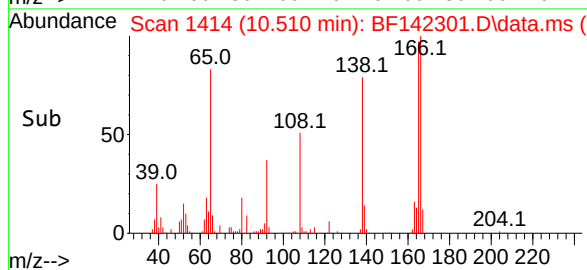
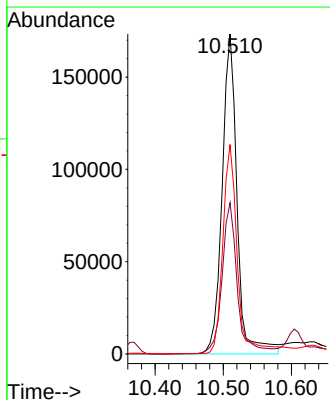
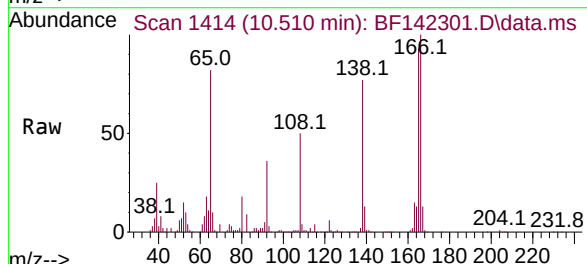
Manual Integrations
APPROVED

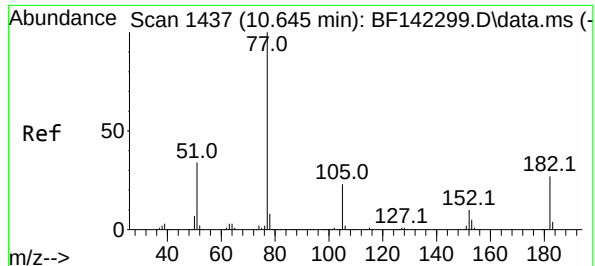
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

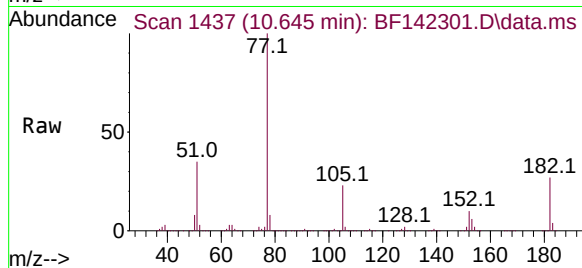
Tgt Ion:138 Resp: 265178
Ion Ratio Lower Upper
138 100
92 47.3 27.3 67.3
108 65.4 45.1 85.1





#63
Azobenzene
Concen: 58.009 ng
RT: 10.645 min Scan# 1437
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

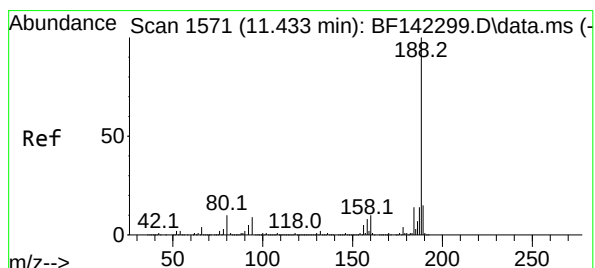
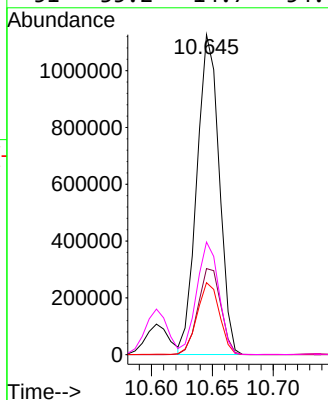
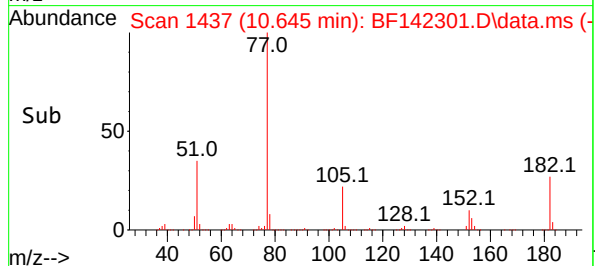
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion: 77 Resp: 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

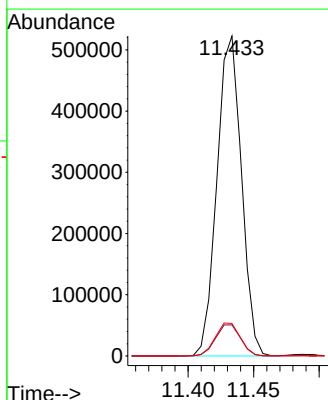
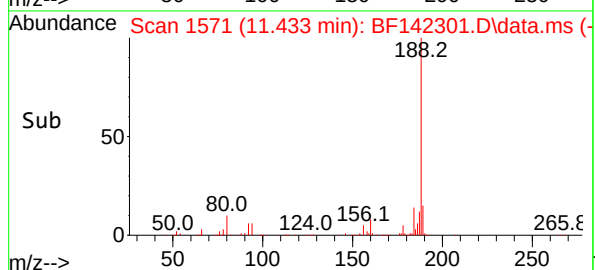
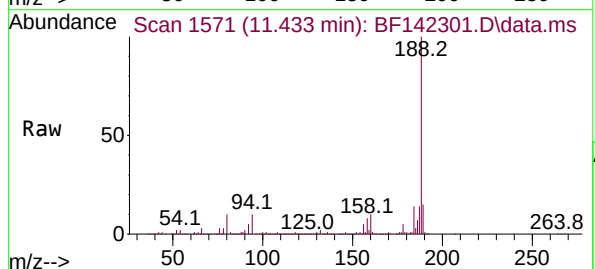
Manual Integrations
APPROVED

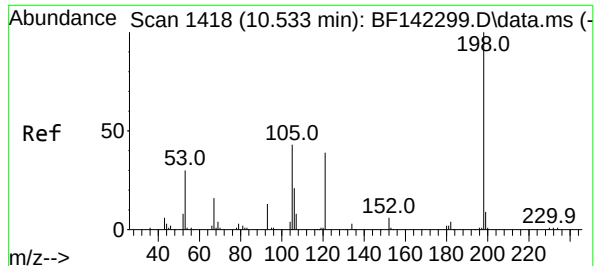
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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





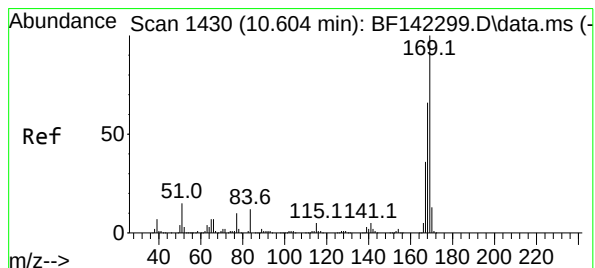
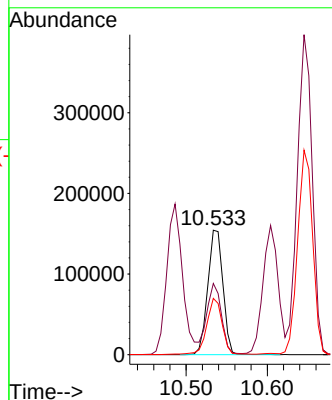
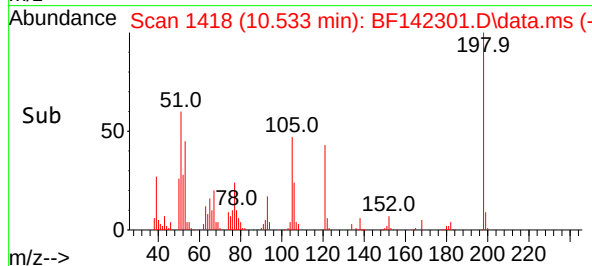
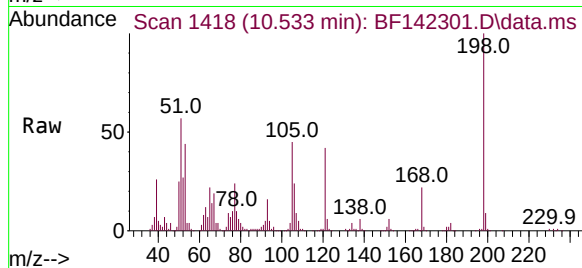
#65
4,6-Dinitro-2-methylphenol
Concen: 60.816 ng
RT: 10.533 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:198 Resp: 199540
Ion Ratio Lower Upper
198 100
51 57.2 32.9 72.9
105 45.3 23.7 63.7

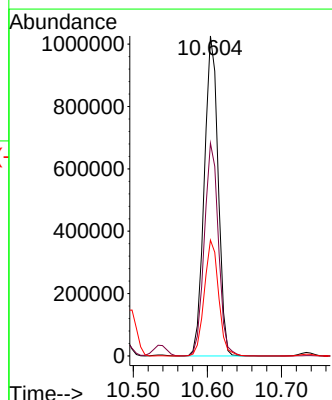
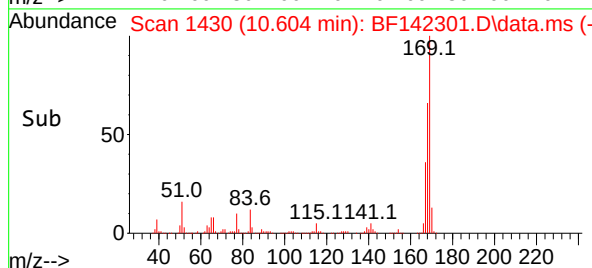
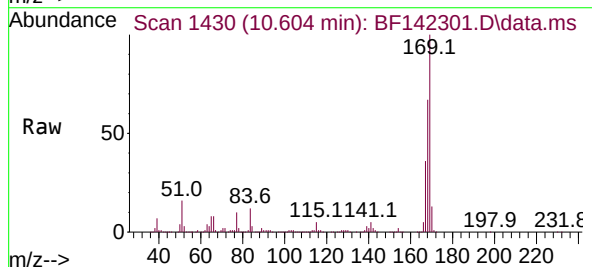
Manual Integrations
APPROVED

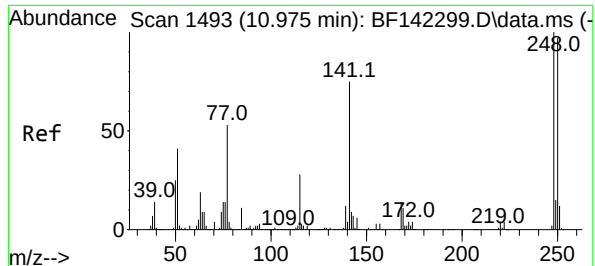
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

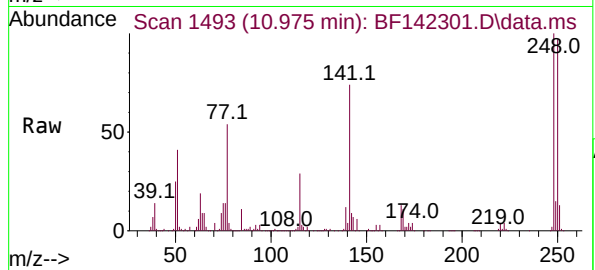
Tgt Ion:169 Resp: 1330840
Ion Ratio Lower Upper
169 100
168 66.5 53.2 79.8
167 36.2 28.9 43.3





#67
4-Bromophenyl-phenylether
Concen: 60.048 ng
RT: 10.975 min Scan# 1493
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

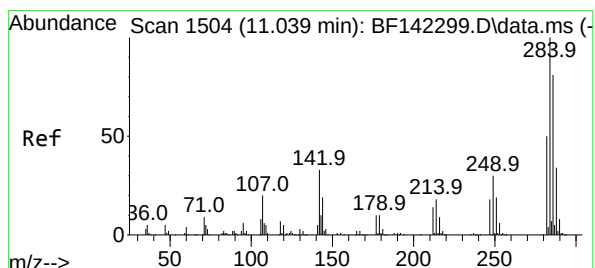
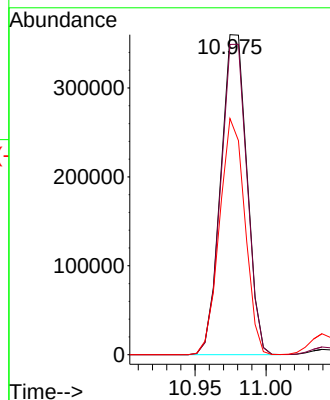
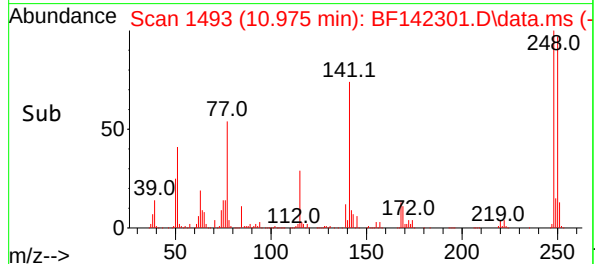
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



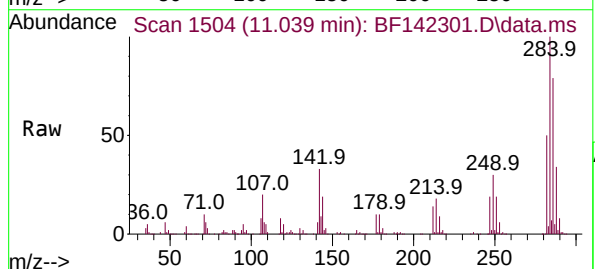
Tgt Ion:248 Resp: 461892
Ion Ratio Lower Upper
248 100
250 96.9 77.9 116.9
141 73.8 59.8 89.8

Manual Integrations
APPROVED

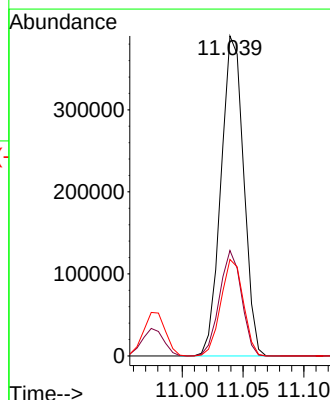
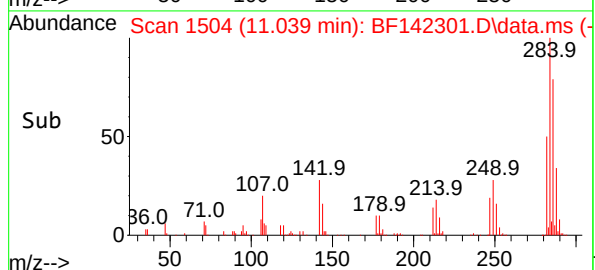
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

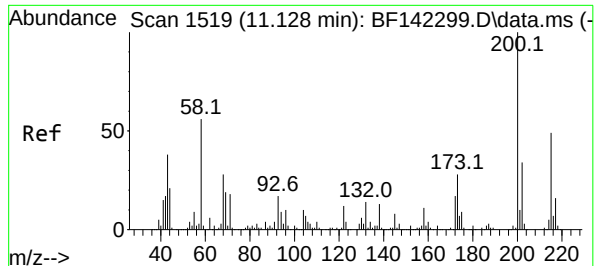


#68
Hexachlorobenzene
Concen: 59.625 ng
RT: 11.039 min Scan# 1504
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47



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# 1519

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: 37607

Ion Ratio Lower Upper

200 100

173 28.2 8.1 48.1

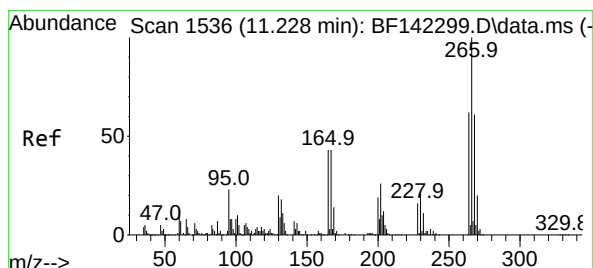
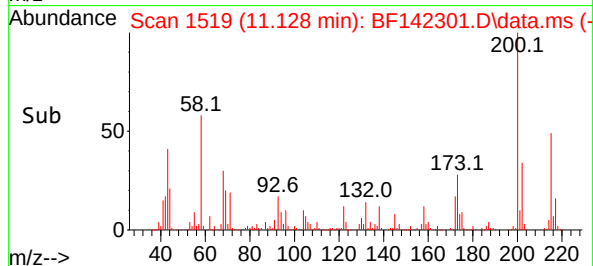
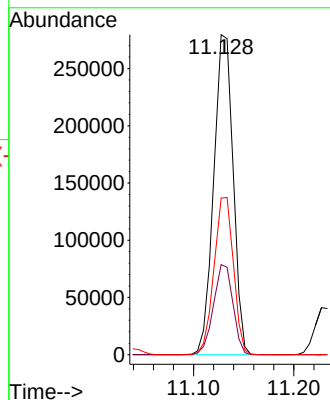
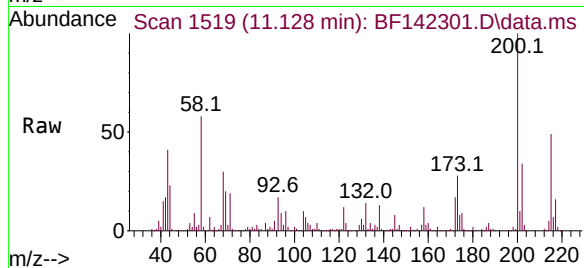
215 48.9 28.8 68.8

Manual Integrations

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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

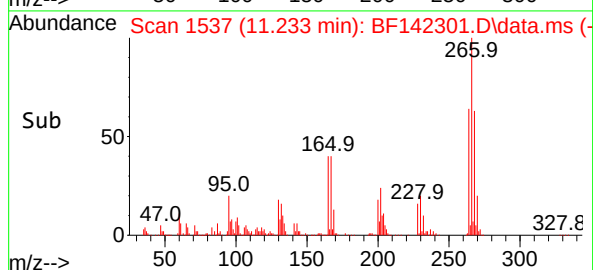
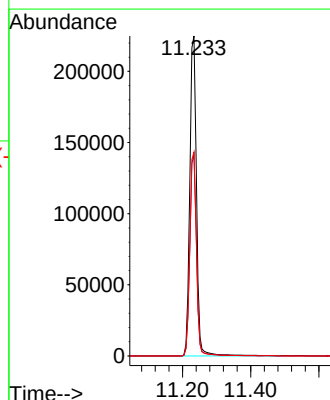
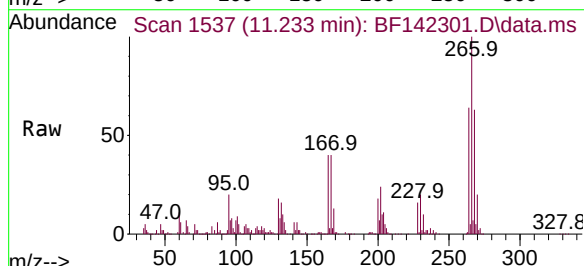
Tgt Ion:266 Resp: 304541

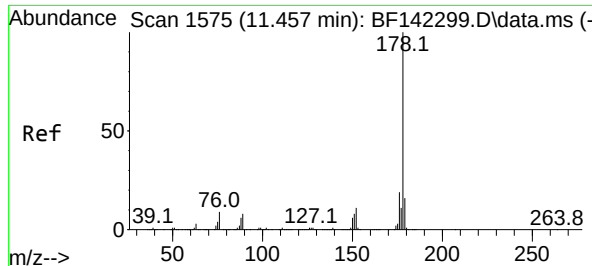
Ion Ratio Lower Upper

266 100

268 63.0 48.7 73.1

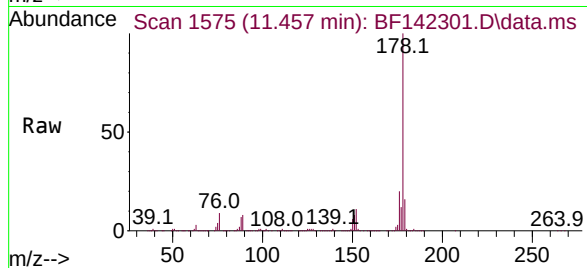
264 63.7 49.8 74.6





#71
Phenanthrene
Concen: 56.475 ng
RT: 11.457 min Scan# 1575
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

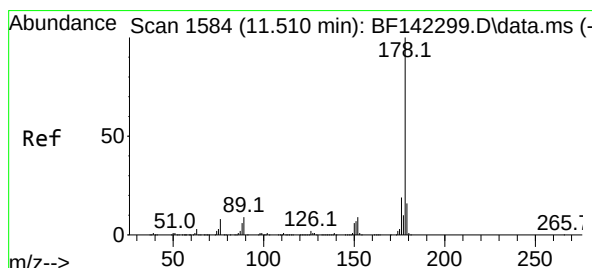
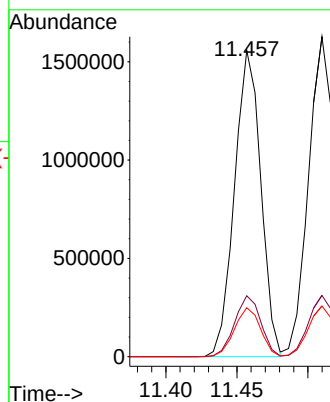
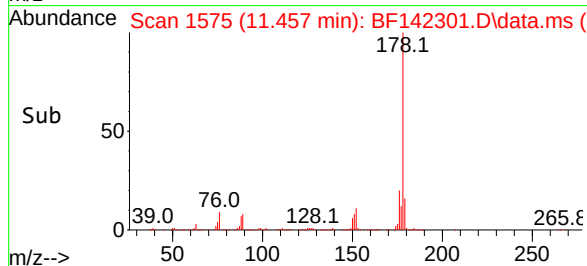
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



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

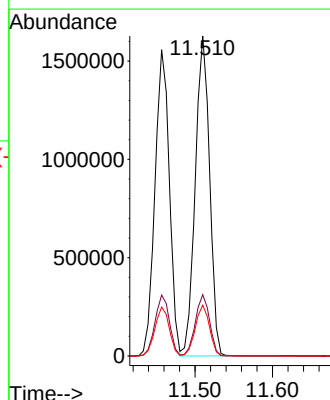
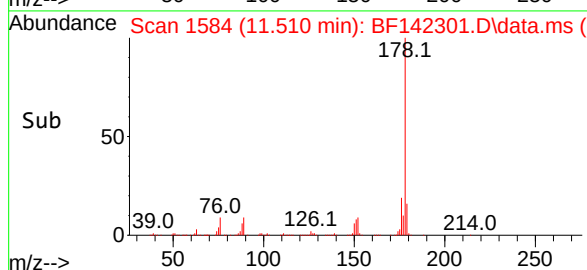
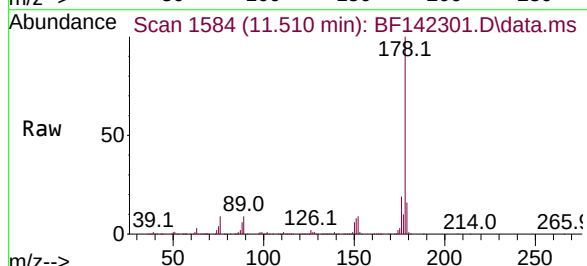
Manual Integrations
APPROVED

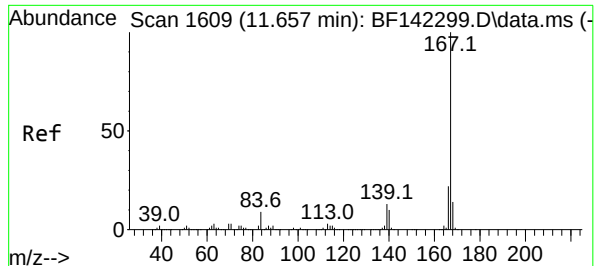
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

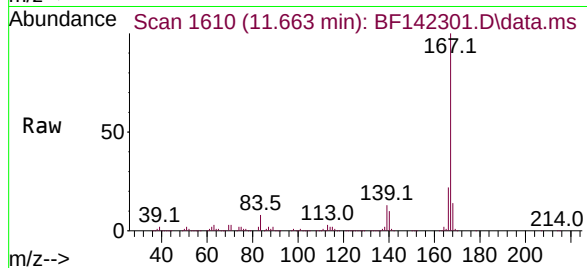
Tgt Ion:178 Resp: 2082880
Ion Ratio Lower Upper
178 100
176 19.1 15.3 22.9
179 15.9 12.6 18.8





#73
Carbazole
Concen: 56.538 ng
RT: 11.663 min Scan# 1610
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

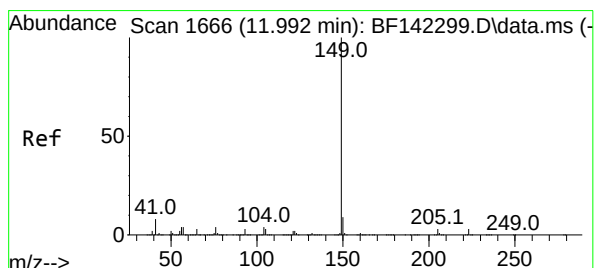
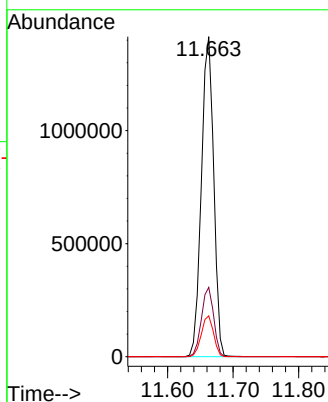
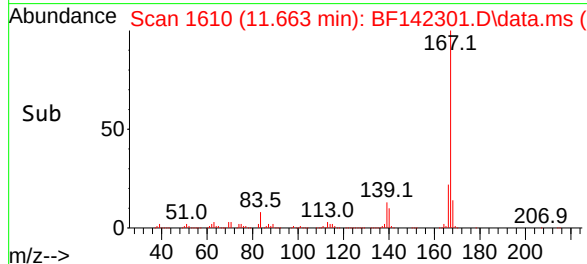
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:167 Resp: 185418
Ion Ratio Lower Upper
167 100
166 21.7 17.2 25.8
139 12.8 10.3 15.5

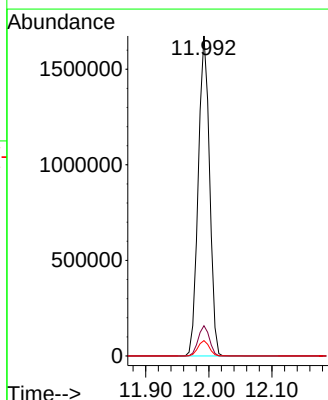
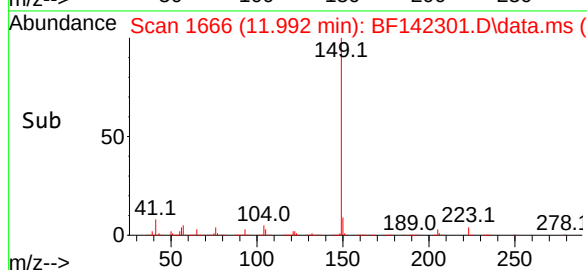
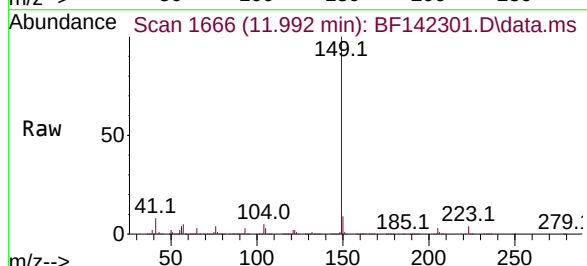
Manual Integrations
APPROVED

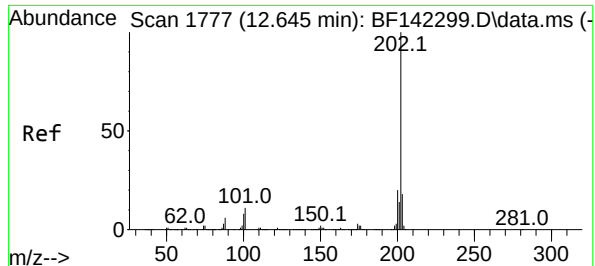
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

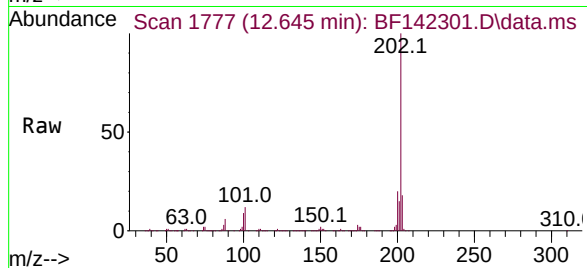
Tgt Ion:149 Resp: 2073826
Ion Ratio Lower Upper
149 100
150 9.4 7.5 11.3
104 4.8 3.6 5.4





#75
Fluoranthene
Concen: 54.742 ng
RT: 12.645 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

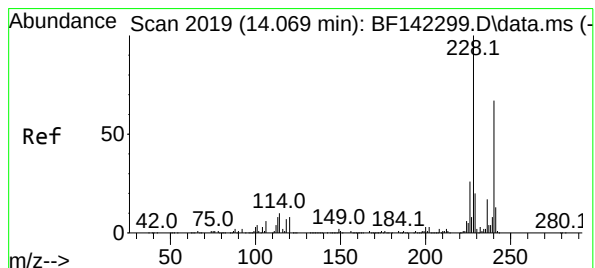
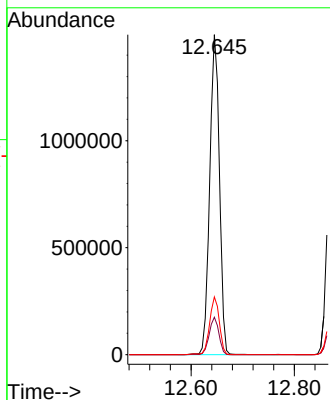
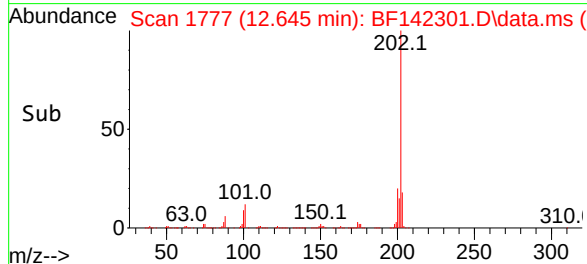
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



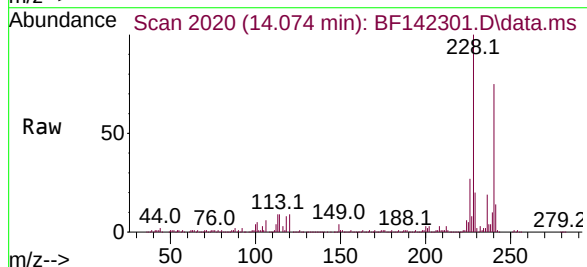
Tgt Ion:202 Resp: 1946773
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.4
203 18.0 0.0 37.9

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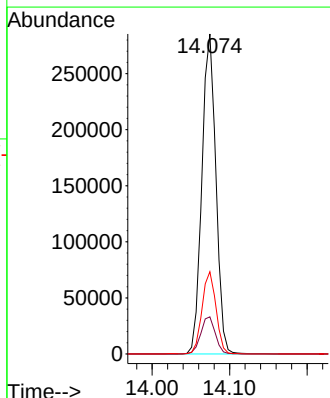
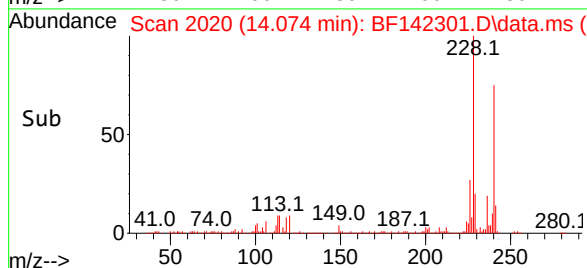
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

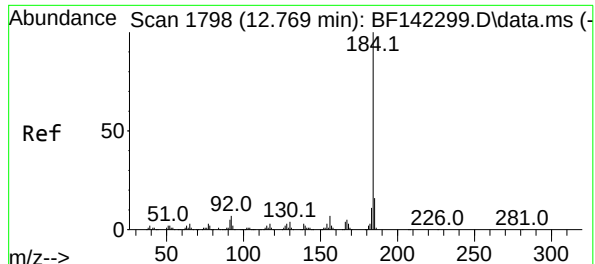


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2020
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47



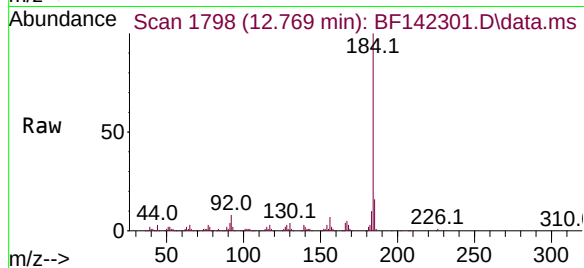
Tgt Ion:240 Resp: 358642
Ion Ratio Lower Upper
240 100
120 11.6 9.7 14.5
236 25.7 20.0 30.0





#77
Benzidine
Concen: 66.599 ng
RT: 12.769 min Scan# 1798
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

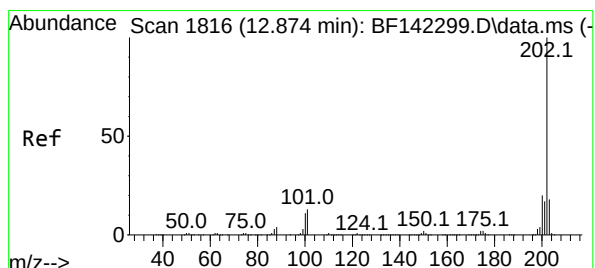
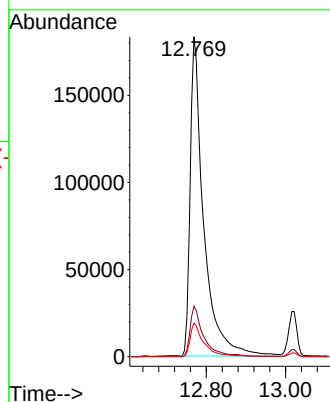
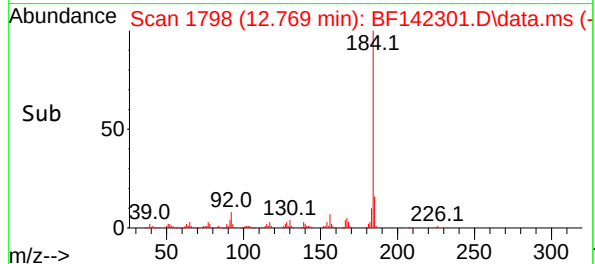
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



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

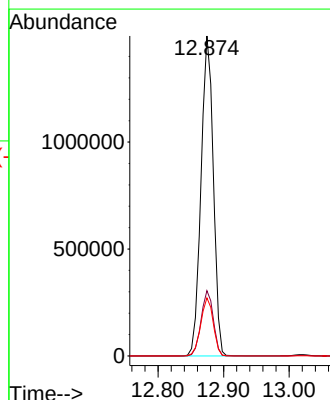
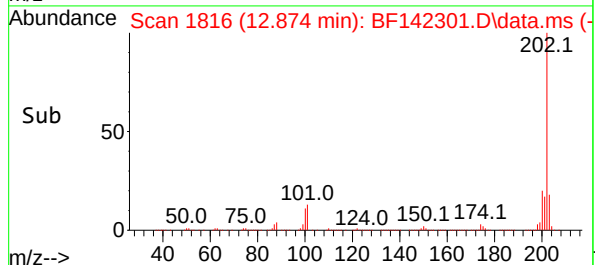
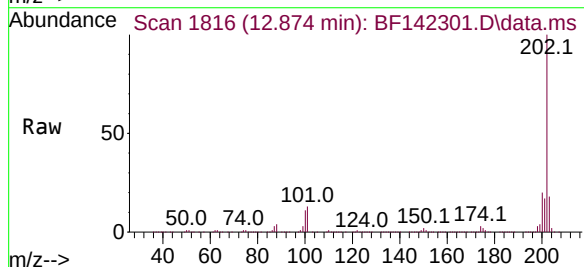
Manual Integrations
APPROVED

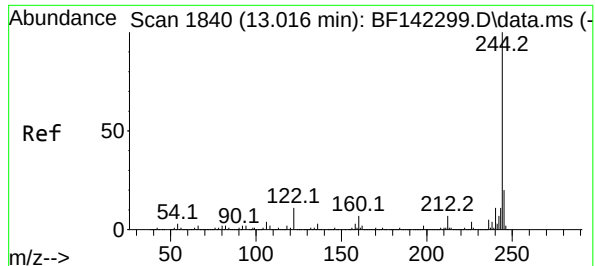
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

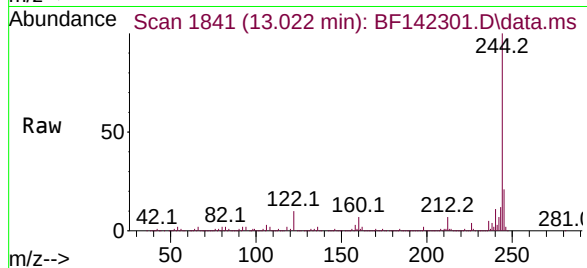
Tgt Ion:202 Resp: 1954922
Ion Ratio Lower Upper
202 100
200 20.4 16.2 24.4
203 18.2 14.3 21.5





#79
Terphenyl-d14
Concen: 116.709 ng
RT: 13.022 min Scan# 1841
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

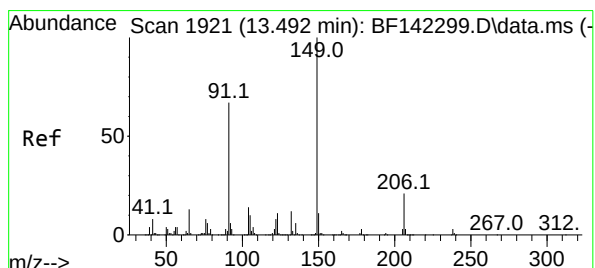
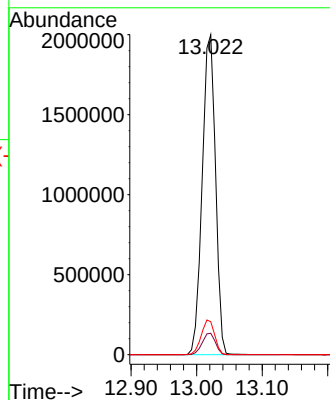
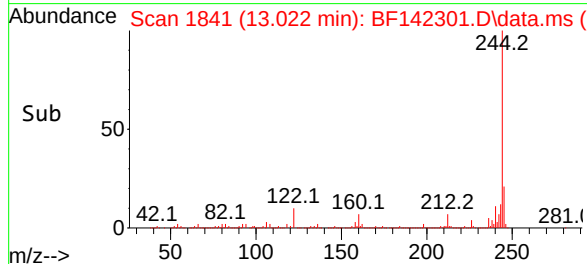
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:244 Resp: 282794
Ion Ratio Lower Upper
244 100
212 6.7 5.4 8.2
122 10.3 9.0 13.4

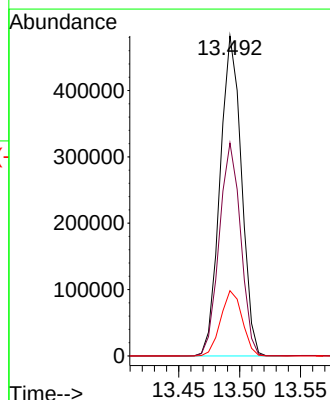
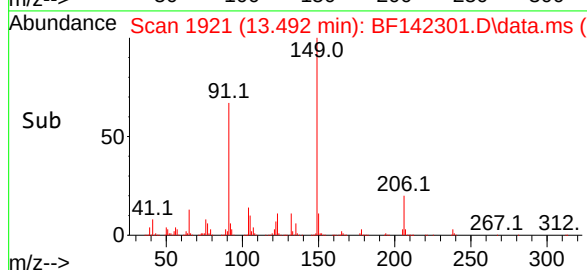
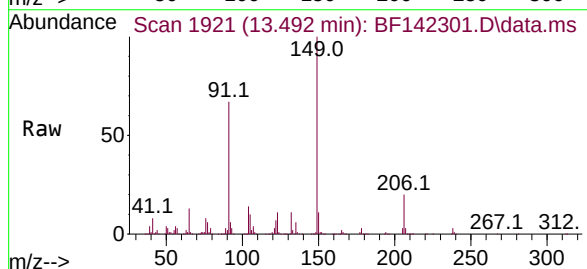
Manual Integrations
APPROVED

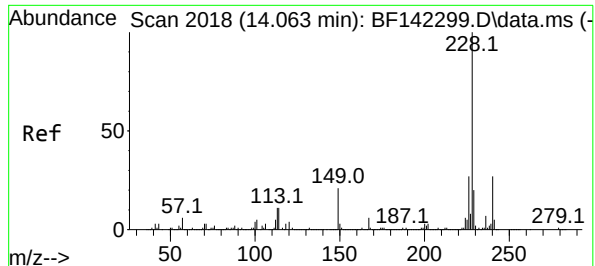
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

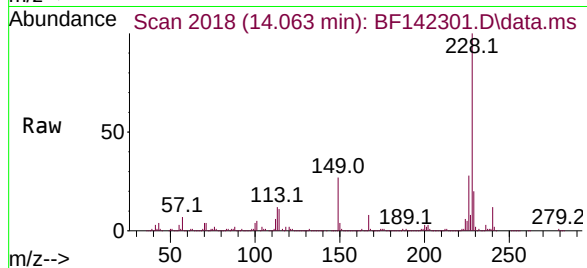
Tgt Ion:149 Resp: 591132
Ion Ratio Lower Upper
149 100
91 66.6 53.8 80.6
206 20.4 16.6 24.8





#81
Benzo(a)anthracene
Concen: 60.043 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

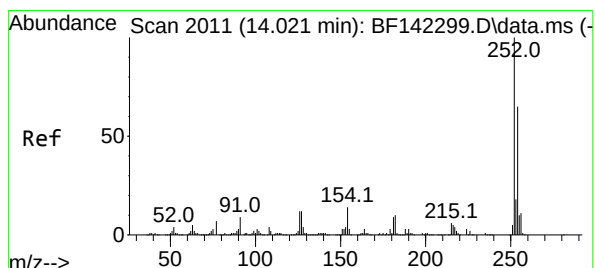
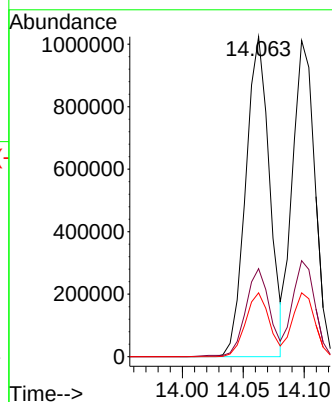
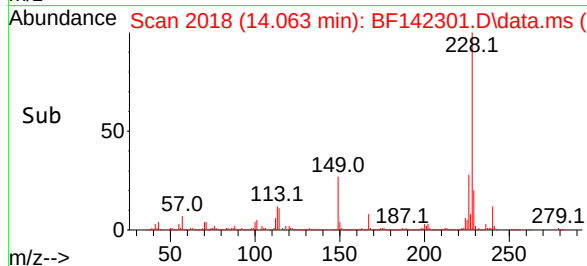
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:228 Resp: 139456
Ion Ratio Lower Upper
228 100
226 27.5 21.5 32.3
229 20.0 15.9 23.9

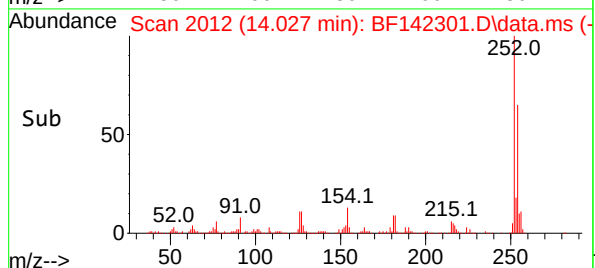
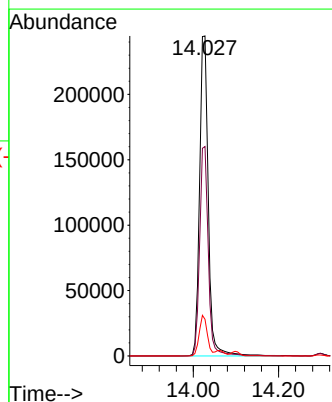
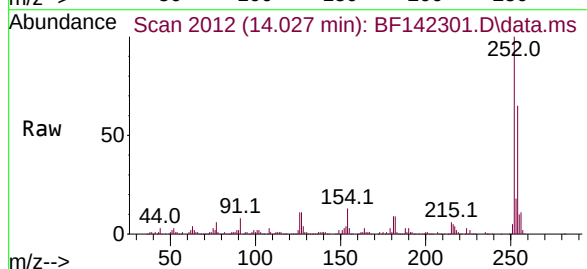
Manual Integrations
APPROVED

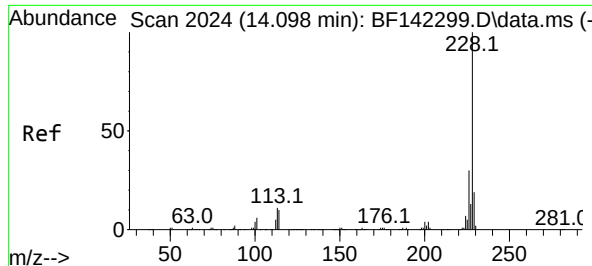
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

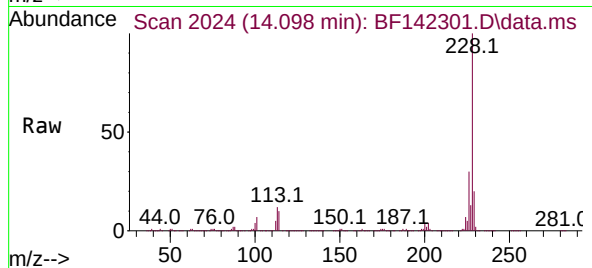
Tgt Ion:252 Resp: 347469
Ion Ratio Lower Upper
252 100
254 65.5 52.0 78.0
126 11.4 9.7 14.5





#83
Chrysene
Concen: 59.838 ng
RT: 14.098 min Scan# 2024
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

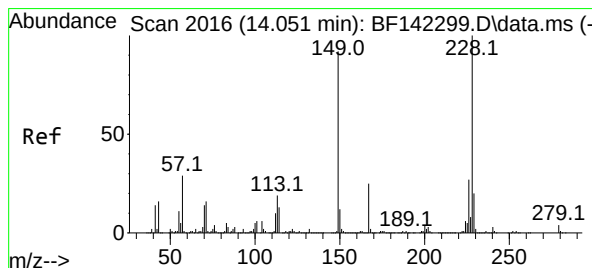
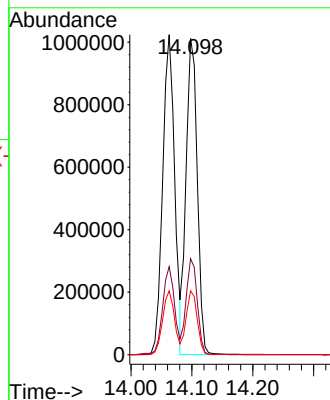
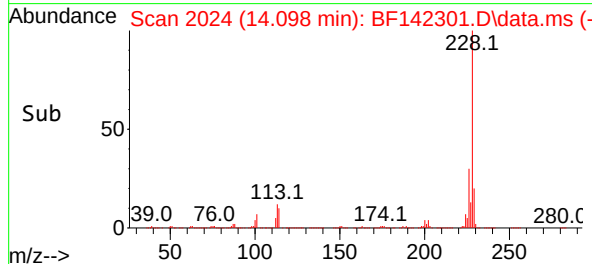
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:228 Resp: 129380
Ion Ratio Lower Upper
228 100
226 30.4 23.9 35.9
229 20.2 15.4 23.2

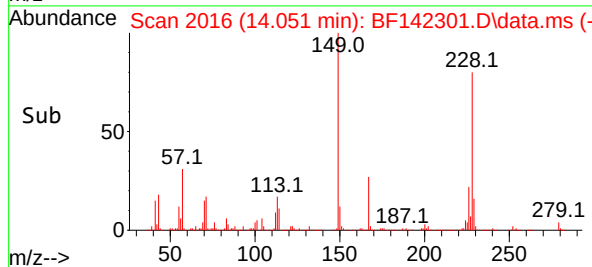
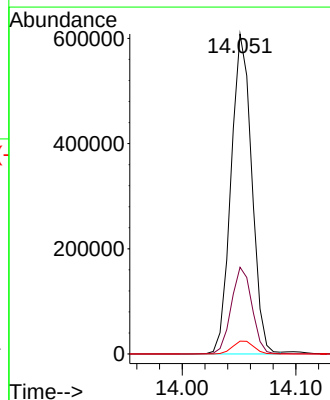
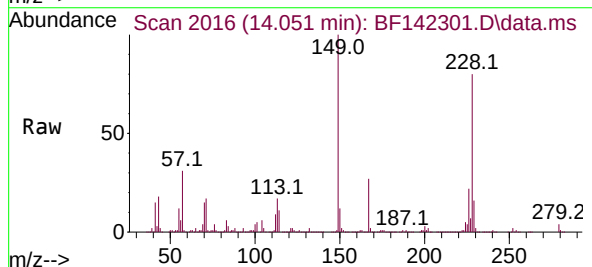
Manual Integrations
APPROVED

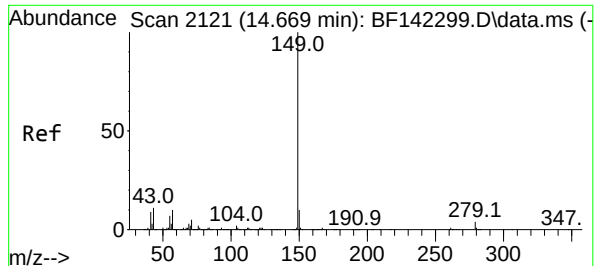
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

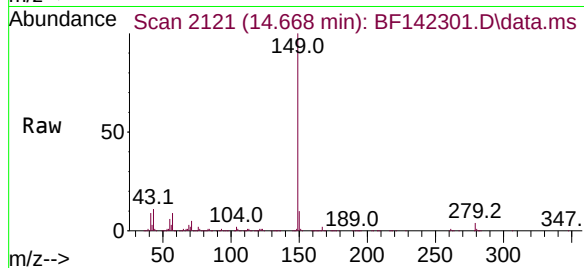
Tgt Ion:149 Resp: 769940
Ion Ratio Lower Upper
149 100
167 27.1 22.0 33.0
279 4.0 3.0 4.6





#85
Di-n-octyl phthalate
Concen: 61.963 ng
RT: 14.668 min Scan# 2121
Delta R.T. -0.001 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

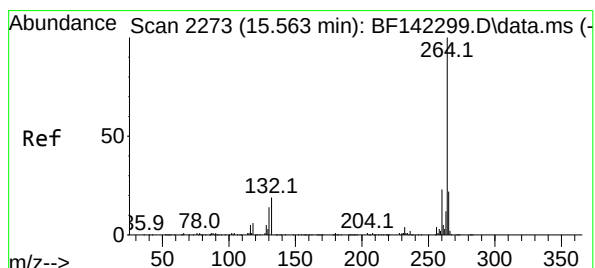
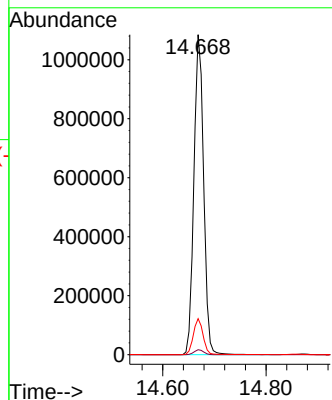
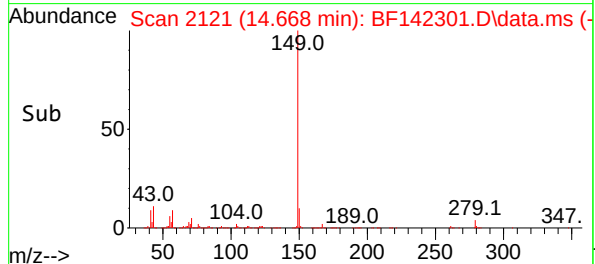
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:149 Resp: 141499
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 11.3 9.2 13.8

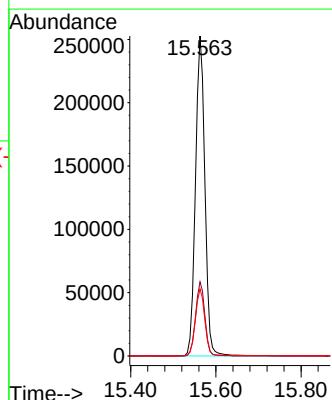
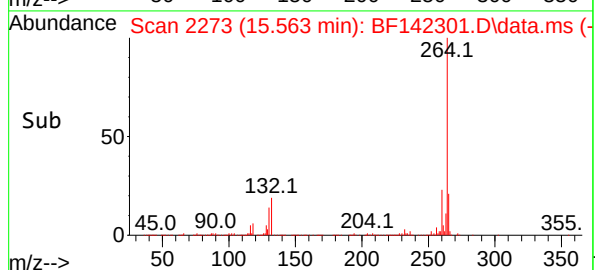
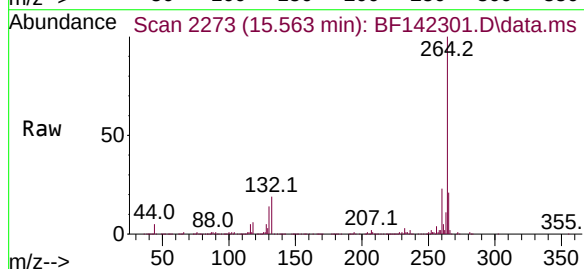
Manual Integrations
APPROVED

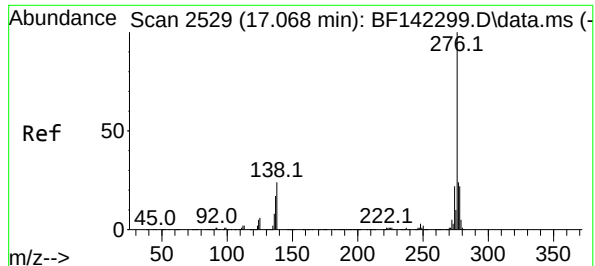
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

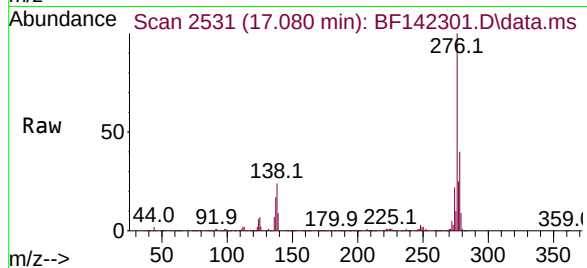
Tgt Ion:264 Resp: 387967
Ion Ratio Lower Upper
264 100
260 23.2 18.6 27.8
265 20.9 17.5 26.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 64.842 ng
RT: 17.080 min Scan# 21531
Delta R.T. 0.012 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

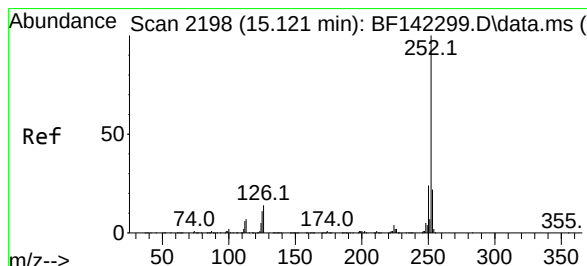
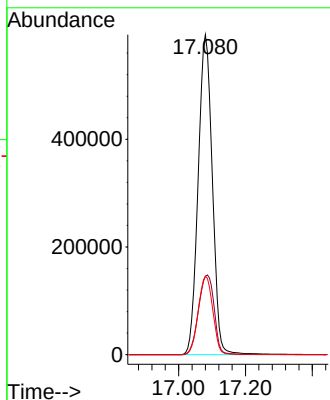
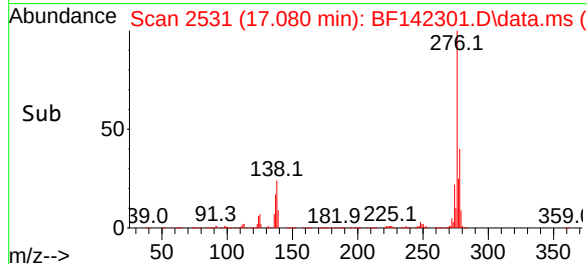
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



Tgt Ion:276 Resp: 174996
Ion Ratio Lower Upper
276 100
138 27.6 22.0 33.0
277 25.3 20.1 30.1

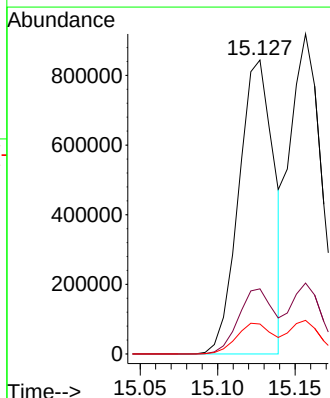
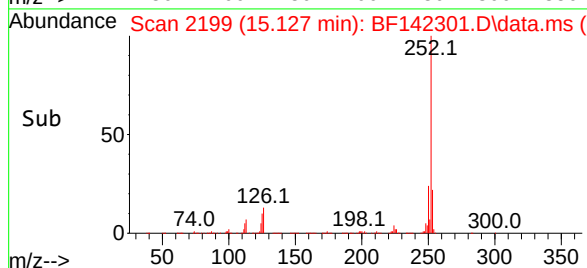
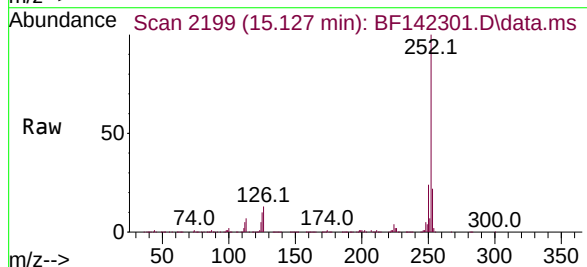
Manual Integrations
APPROVED

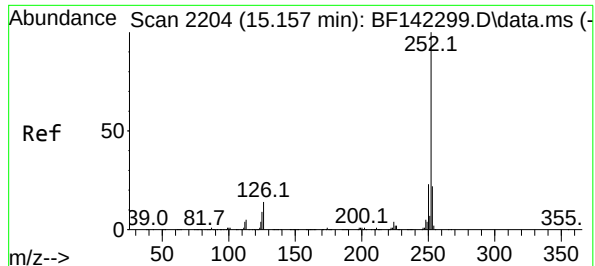
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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# 21

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: 1296379

Ion Ratio Lower Upper

252 100

253 22.2 17.6 26.4

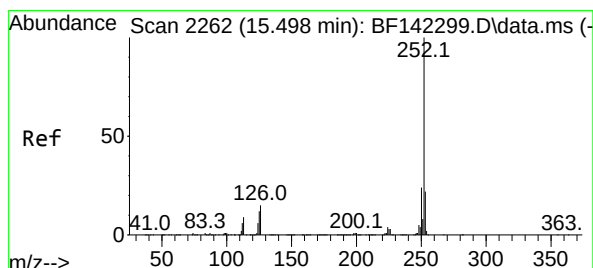
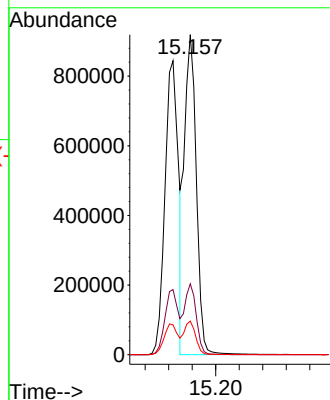
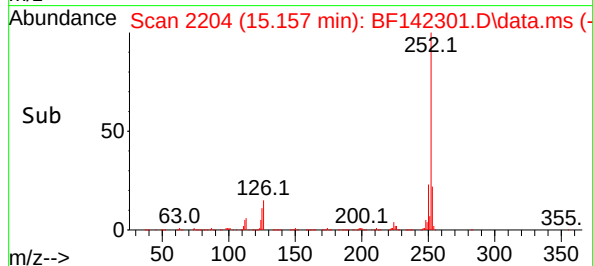
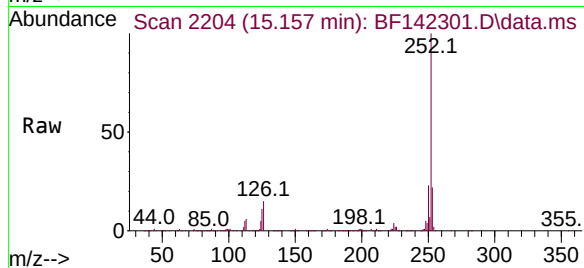
125 10.5 8.1 12.1

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

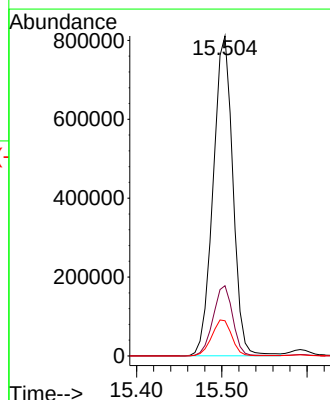
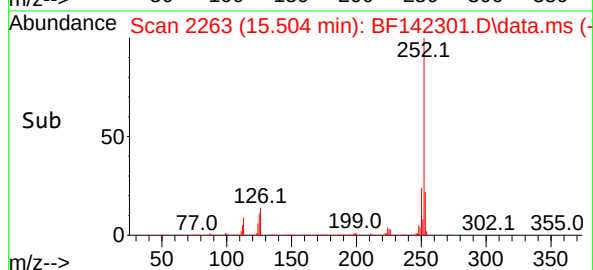
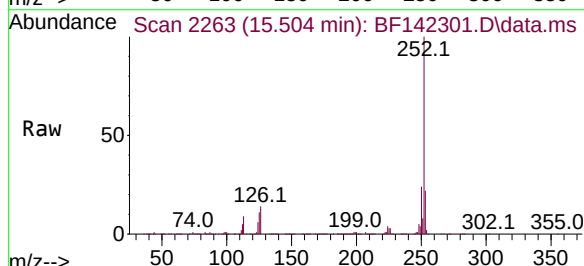
Tgt Ion:252 Resp: 1302088

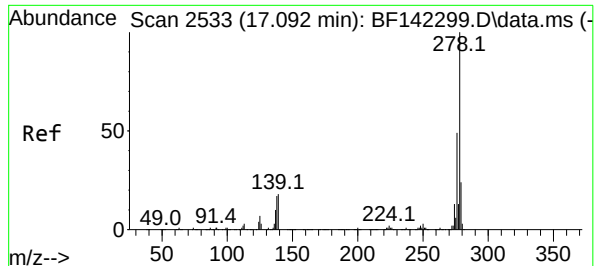
Ion Ratio Lower Upper

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# 21

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: 142478

Ion Ratio Lower Upper

278 100

139 18.4 14.5 21.7

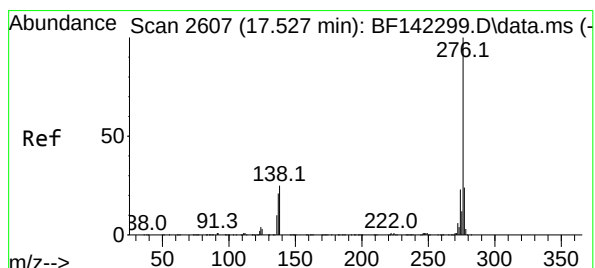
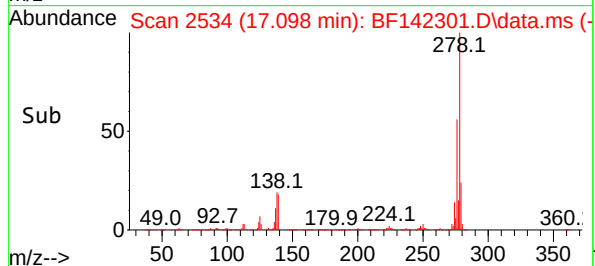
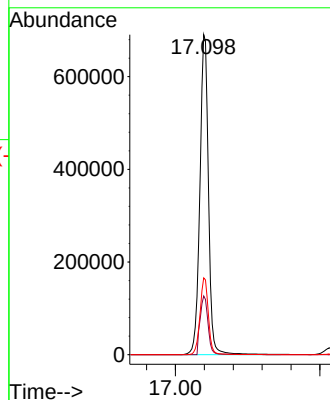
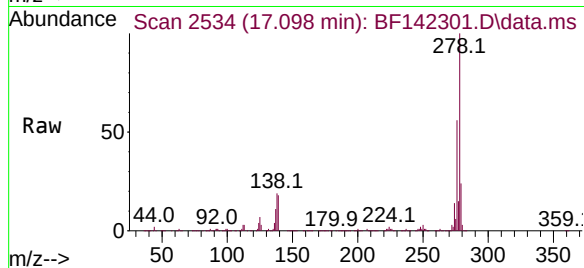
279 24.0 18.9 28.3

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 05/06/2025

Supervised By :Jagrut Upadhyay 05/06/2025



#92

Benzo(g,h,i)perylene

Concen: 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

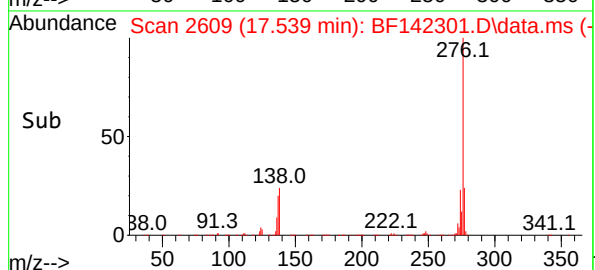
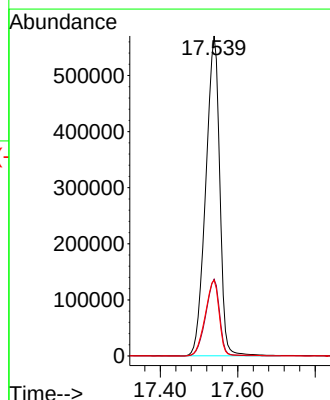
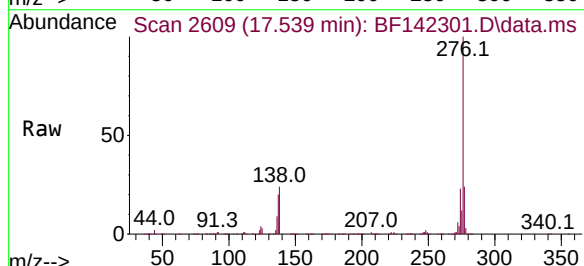
Tgt Ion:276 Resp: 1426095

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

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

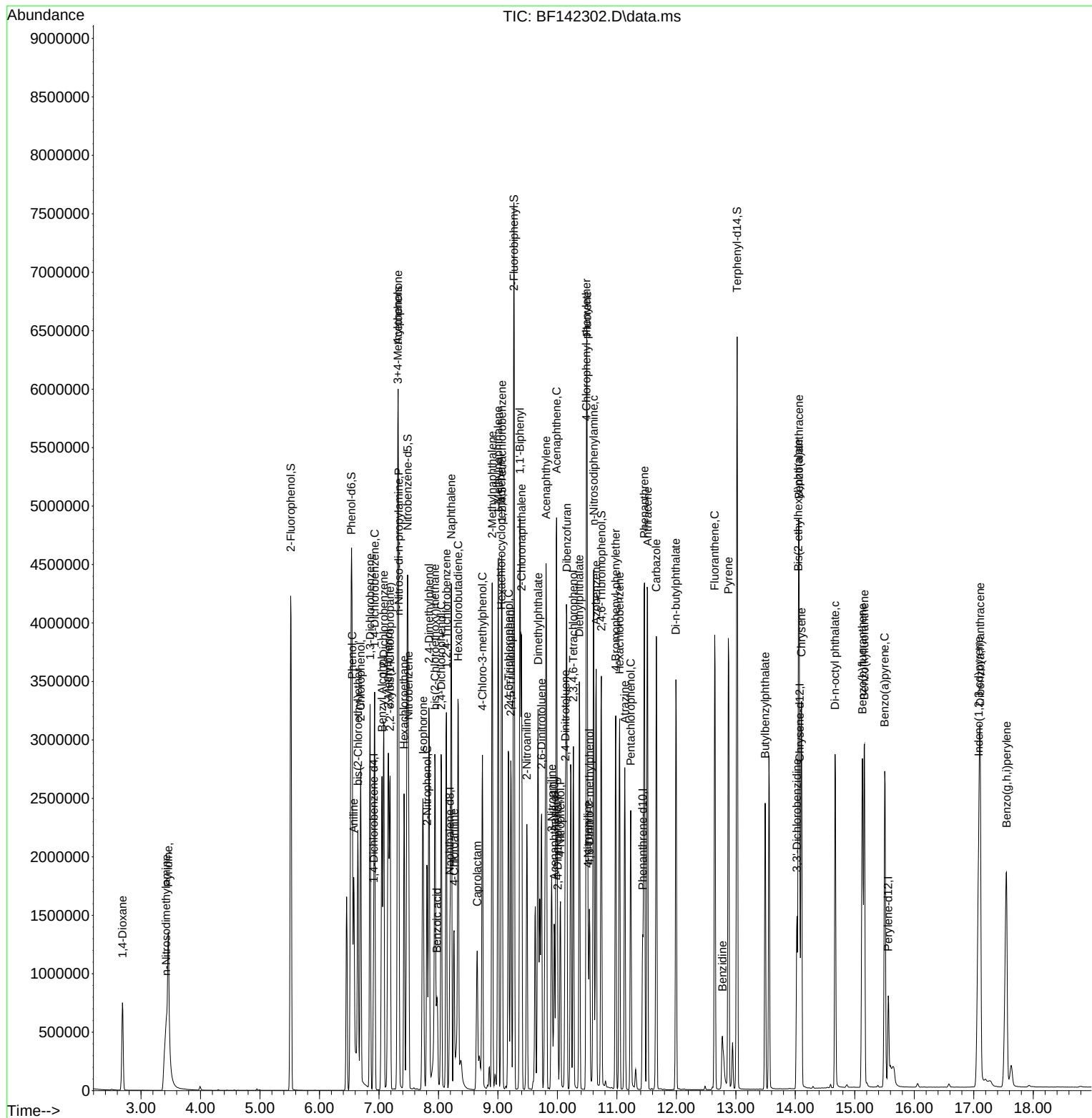
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.369	154	2173202	68.328	ng	99
47) 2-Chloronaphthalene	9.398	162	1688751	71.397	ng	99
48) 2-Nitroaniline	9.486	65	547789	90.354	ng	98
49) Acenaphthylene	9.810	152	2763028	69.830	ng	98
50) Dimethylphthalate	9.675	163	1968431	73.901	ng	100
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

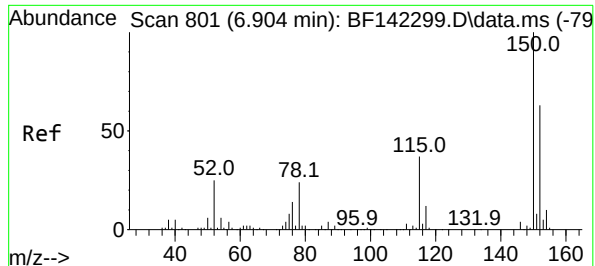
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations

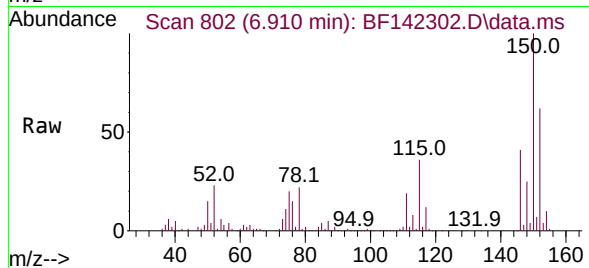
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.910 min Scan# 80
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

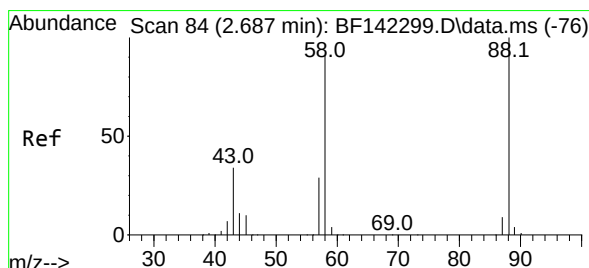
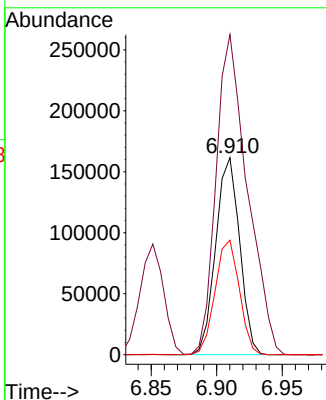
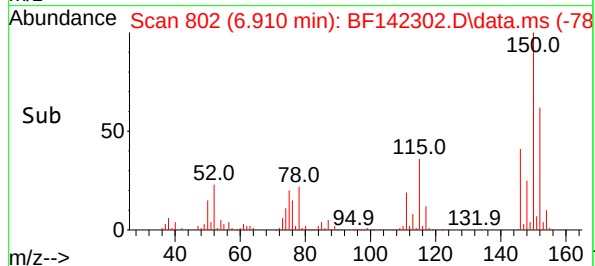
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



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

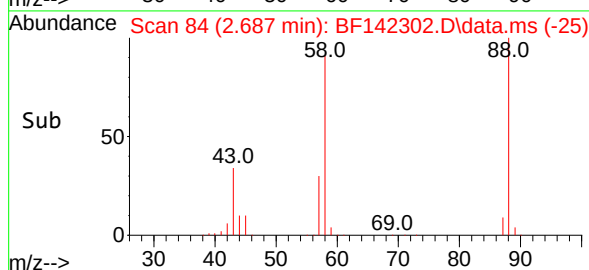
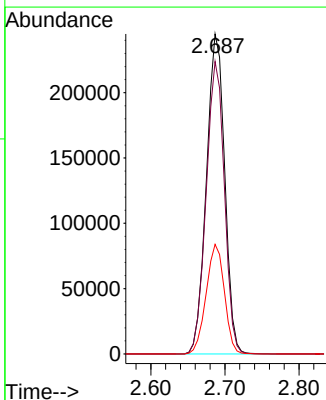
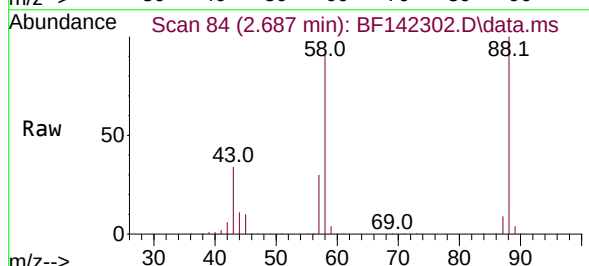
Manual Integrations
APPROVED

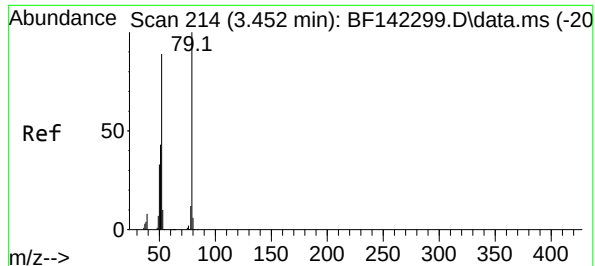
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

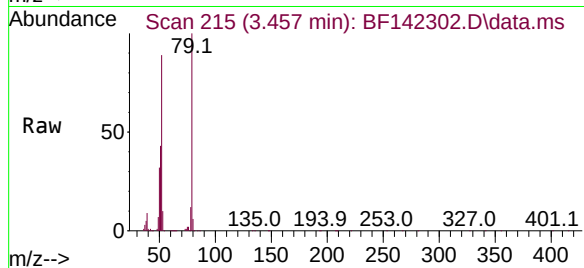
Tgt Ion: 88 Resp: 419794
Ion Ratio Lower Upper
88 100
58 91.0 73.0 109.4
43 34.2 27.8 41.6





#3
Pyridine
Concen: 82.025 ng
RT: 3.457 min Scan# 214
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

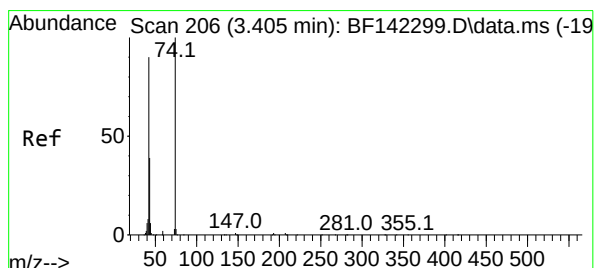
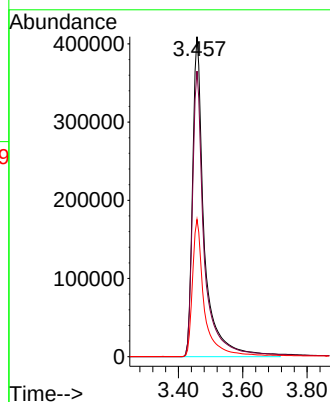
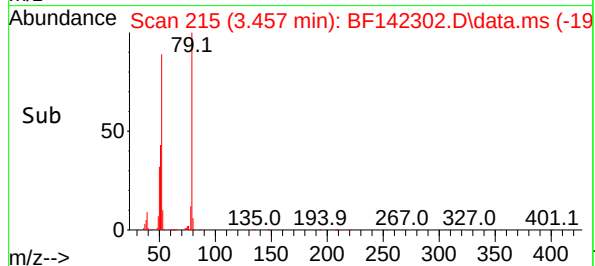
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion: 79 Resp: 1043720
Ion Ratio Lower Upper
79 100
52 89.3 71.0 106.4
51 42.9 34.9 52.3

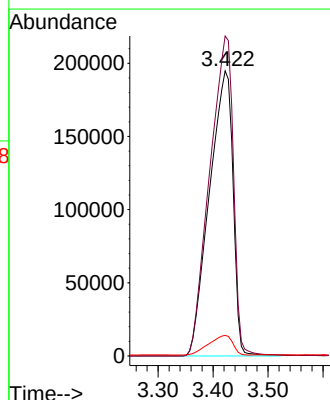
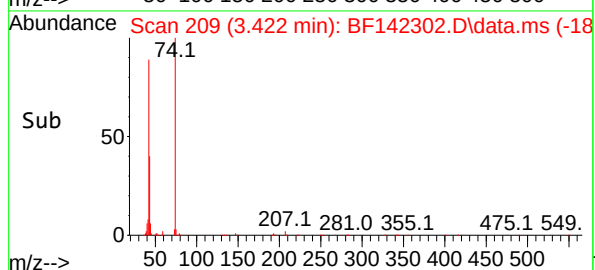
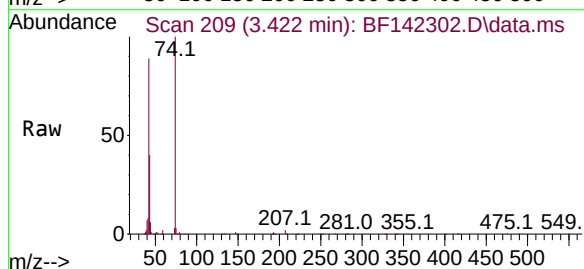
Manual Integrations
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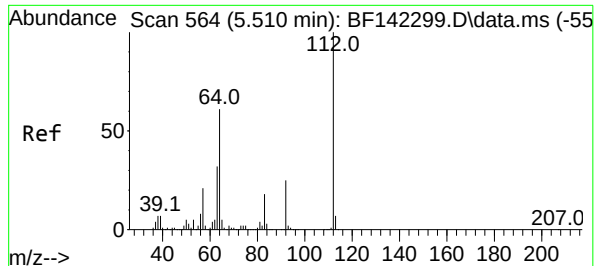
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

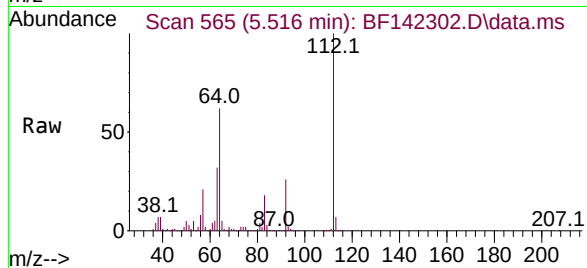
Tgt Ion: 42 Resp: 579736
Ion Ratio Lower Upper
42 100
74 112.3 88.5 132.7
44 7.3 5.8 8.8





#5
2-Fluorophenol
Concen: 148.254 ng
RT: 5.516 min Scan# 50
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

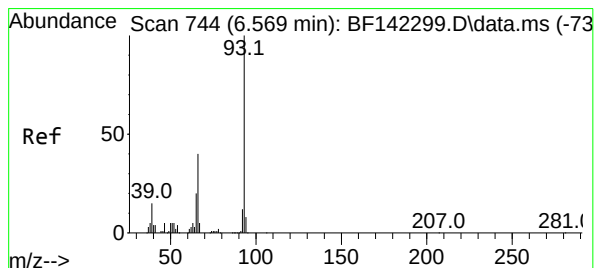
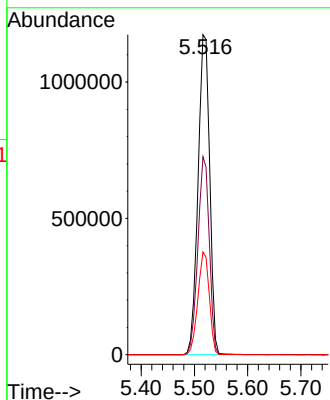
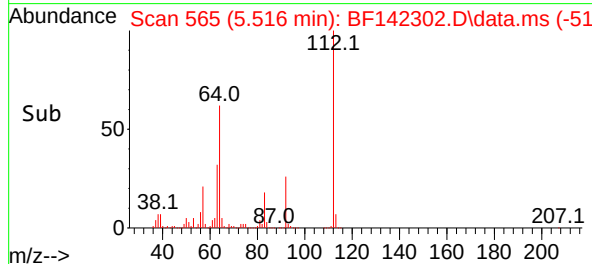
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion: 112 Resp: 178428
Ion Ratio Lower Upper
112 100
64 61.8 48.9 73.3
63 32.1 25.6 38.4

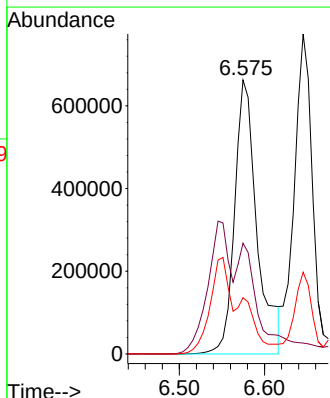
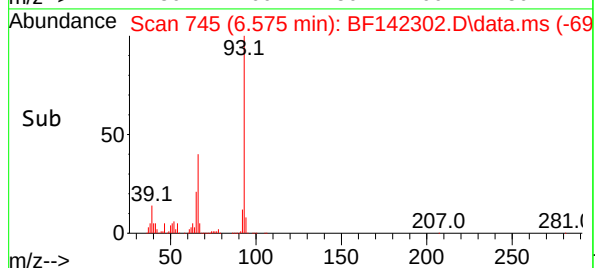
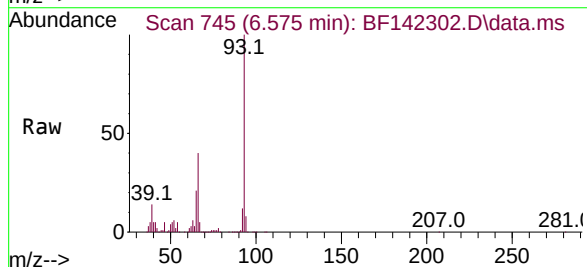
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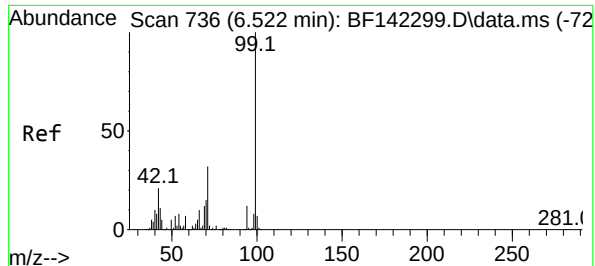
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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# 71

Delta R.T. 0.012 min

Lab File: BF142302.D

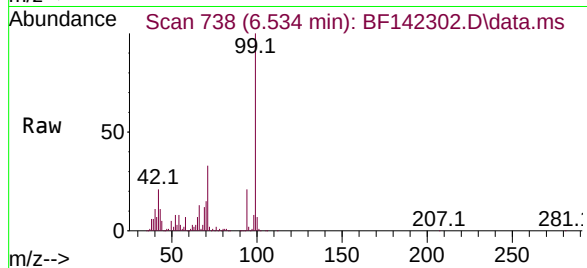
Acq: 05 May 2025 17:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



Tgt Ion: 99 Resp: 219537

Ion Ratio Lower Upper

99 100

42 21.2 17.0 25.4

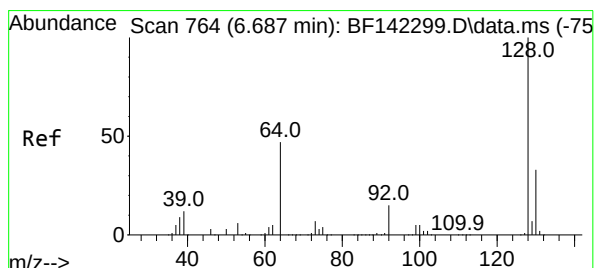
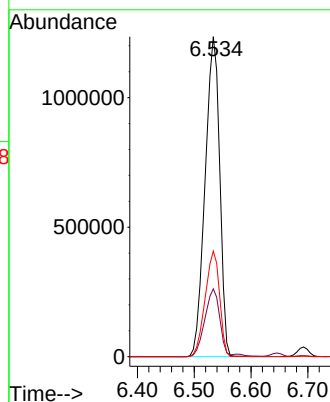
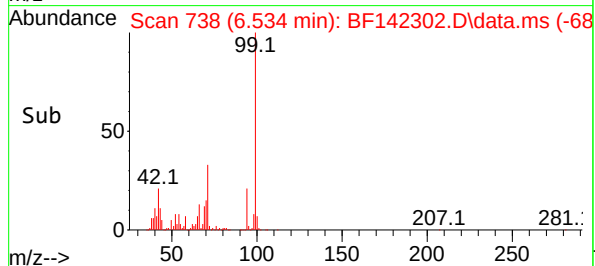
71 33.0 25.8 38.8

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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

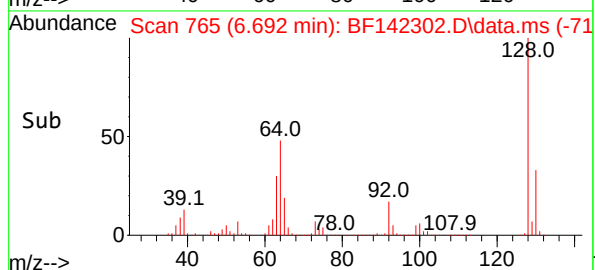
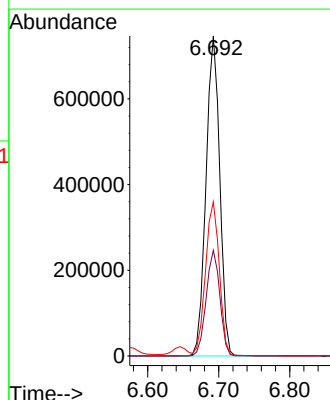
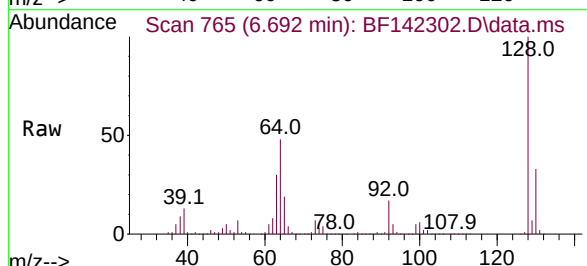
Tgt Ion:128 Resp: 1007022

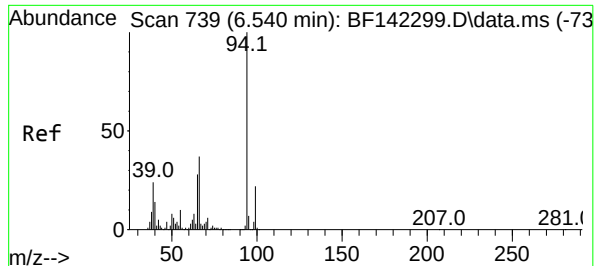
Ion Ratio Lower Upper

128 100

130 33.0 12.7 52.7

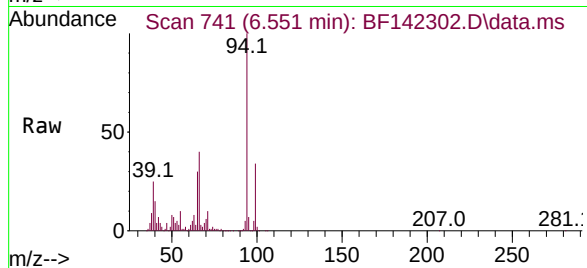
64 48.1 29.2 69.2





#10
Phenol
Concen: 74.728 ng m
RT: 6.551 min Scan# 741
Delta R.T. 0.012 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

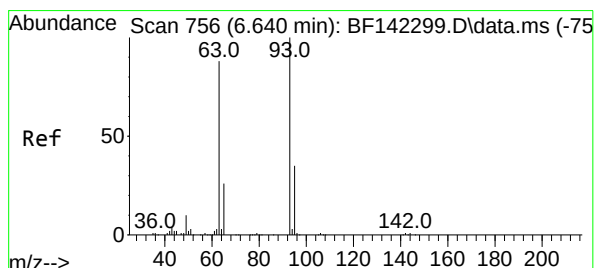
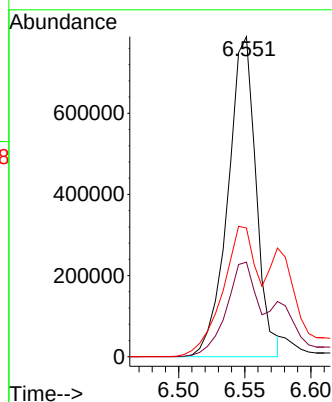
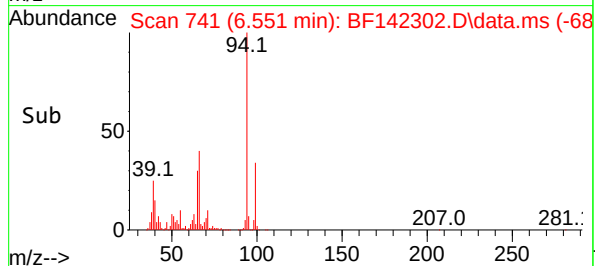
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion: 94 Resp: 1172548
Ion Ratio Lower Upper
94 100
65 29.6 8.5 48.5
66 40.2 17.3 57.3

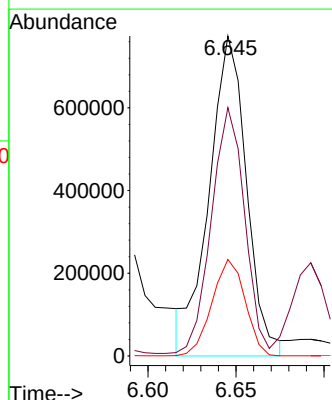
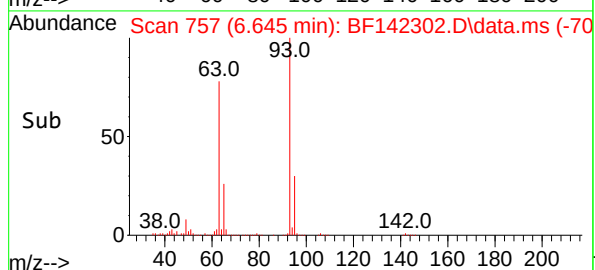
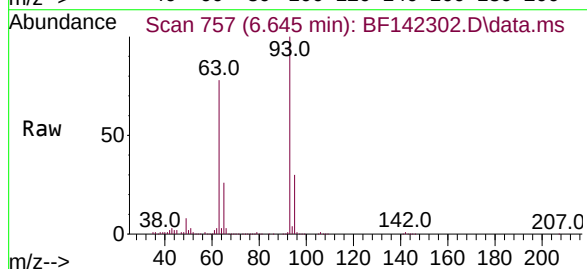
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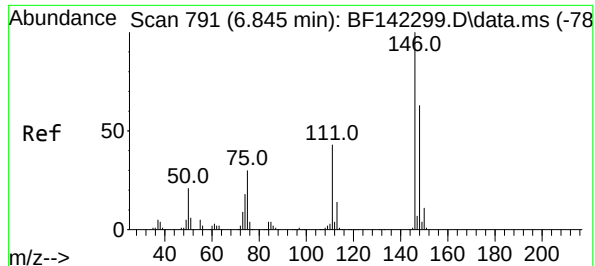
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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# 791

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: 1066308

Ion Ratio Lower Upper

146 100

148 63.7 50.6 76.0

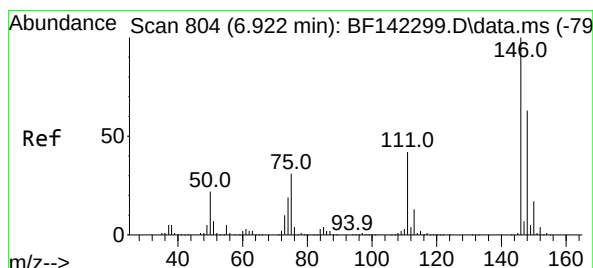
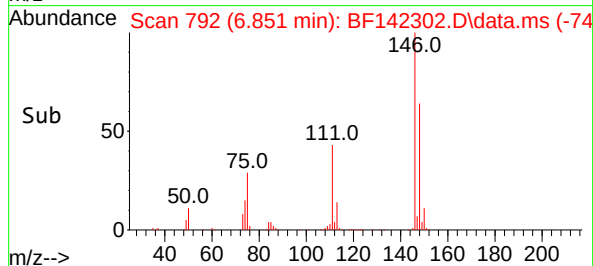
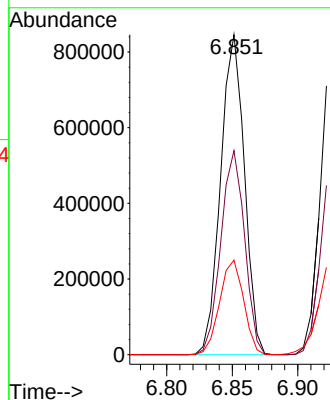
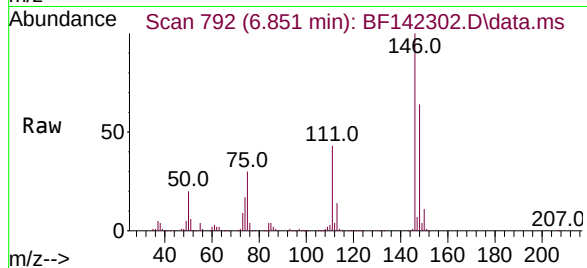
75 29.6 24.2 36.4

Manual Integrations

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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

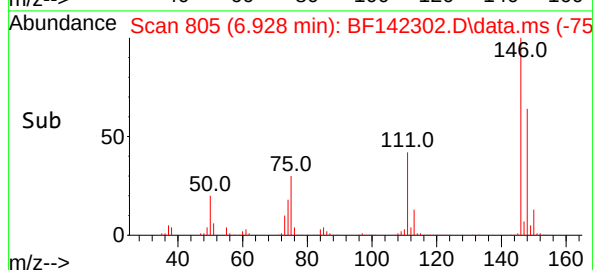
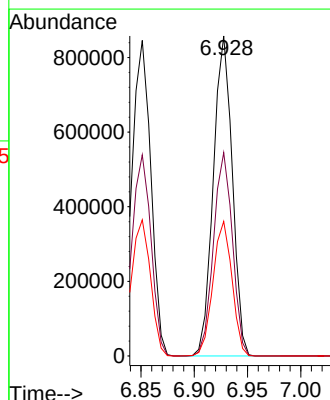
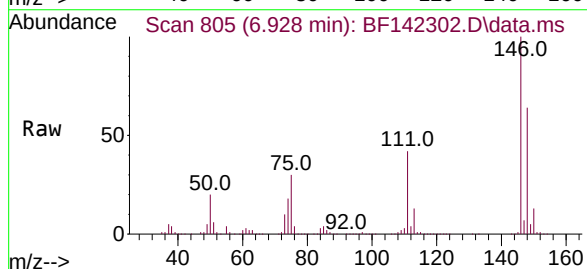
Tgt Ion:146 Resp: 1063540

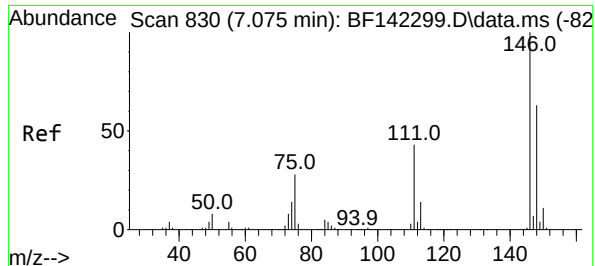
Ion Ratio Lower Upper

146 100

148 63.5 50.5 75.7

111 42.1 33.4 50.2





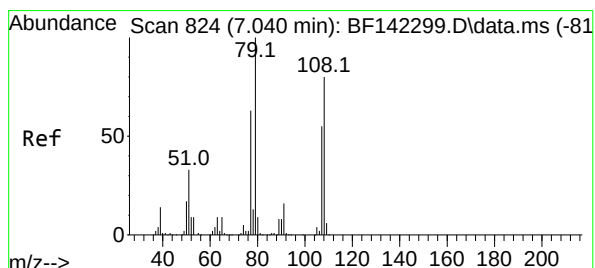
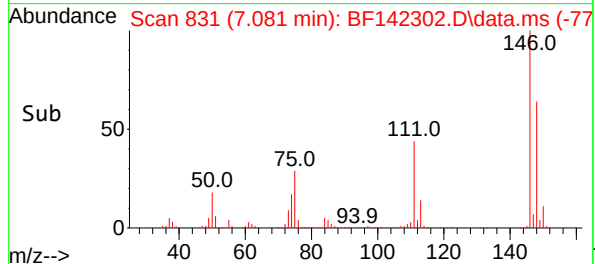
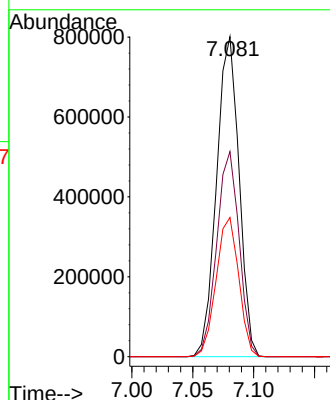
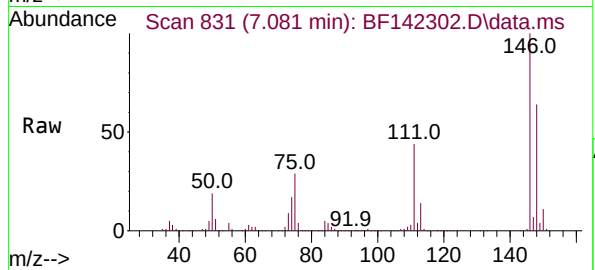
#14
1,2-Dichlorobenzene
Concen: 72.657 ng
RT: 7.081 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:146 Resp: 103029
Ion Ratio Lower Upper
146 100
148 64.1 50.3 75.5
111 43.5 34.5 51.7

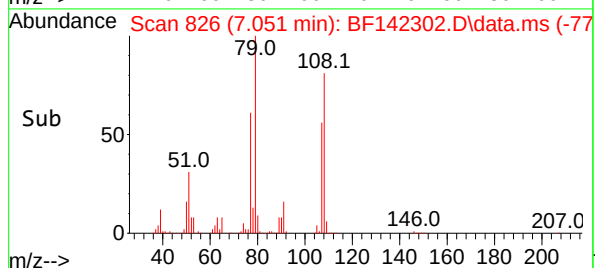
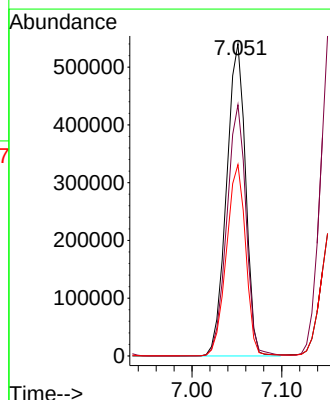
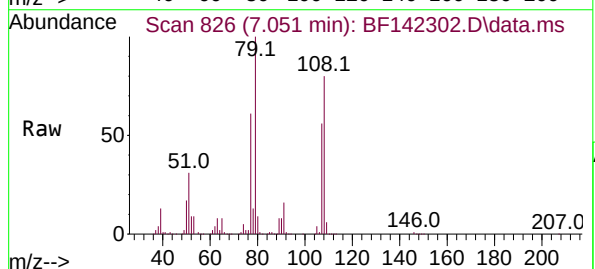
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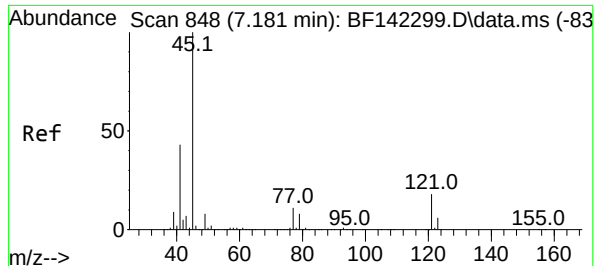
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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





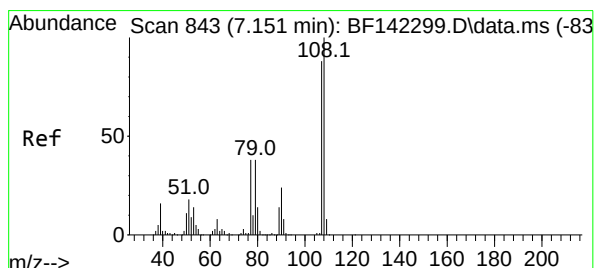
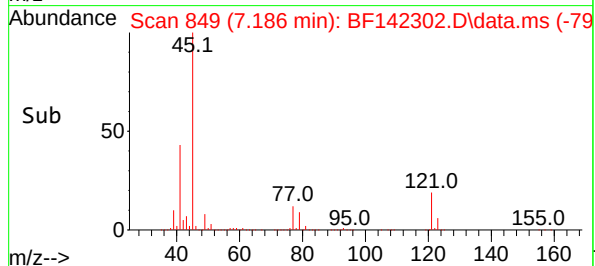
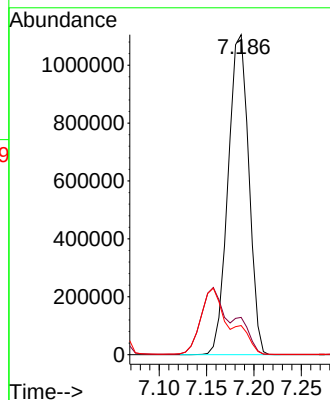
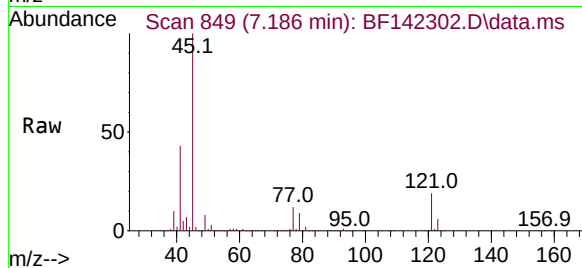
#16
2,2'-oxybis(1-Chloropropane)
Concen: 72.703 ng
RT: 7.186 min Scan# 84
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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

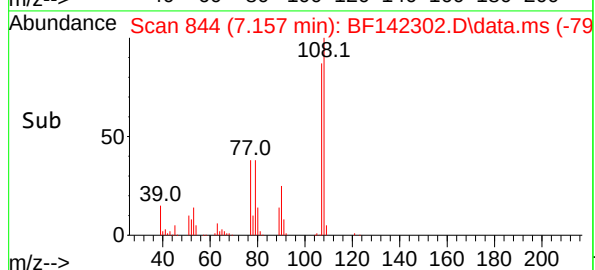
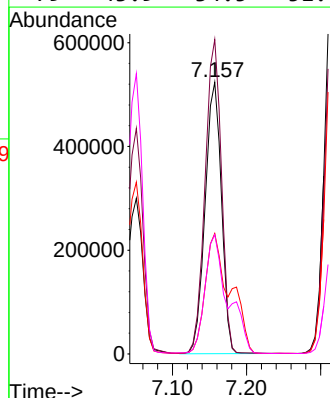
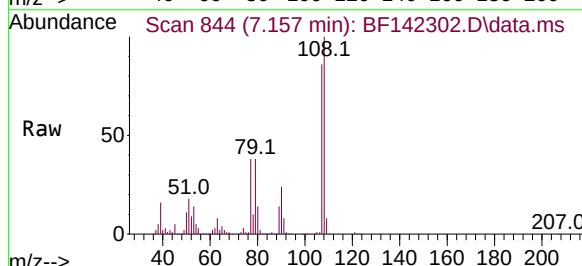
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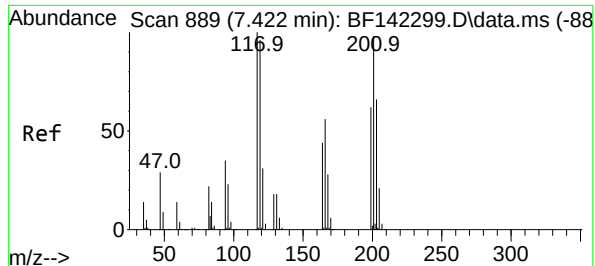
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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# 889

Delta R.T. -0.000 min

Lab File: BF142302.D

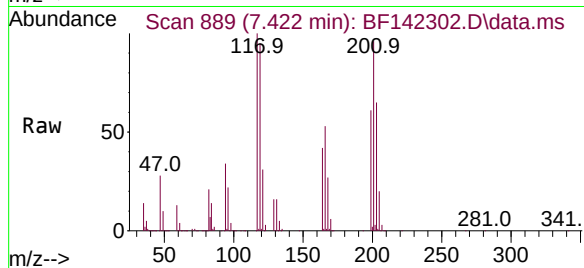
Acq: 05 May 2025 17:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



Tgt Ion:117 Resp: 38070

Ion Ratio Lower Upper

117 100

119 95.4 76.9 115.3

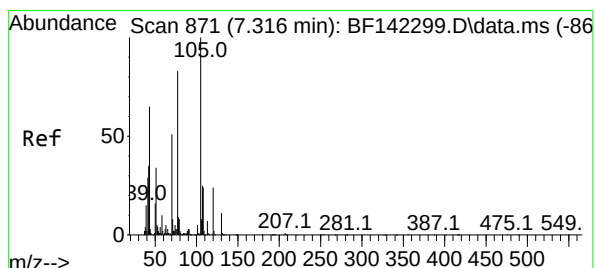
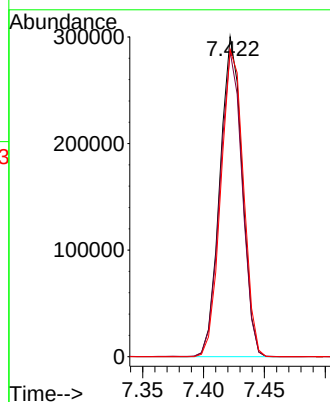
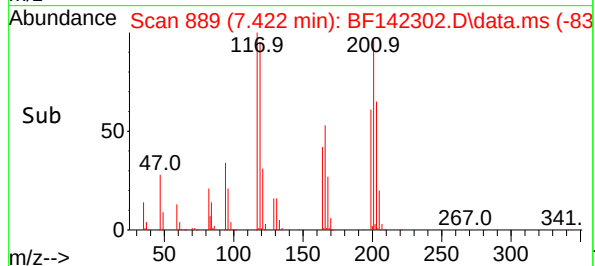
201 96.0 78.0 117.0

Manual Integrations

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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

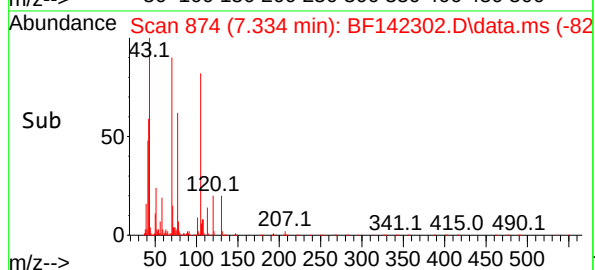
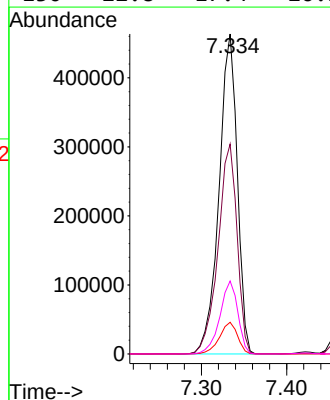
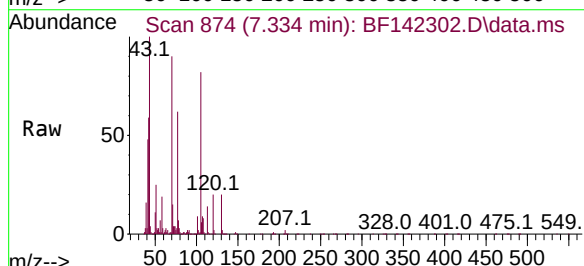
Ion Ratio Lower Upper

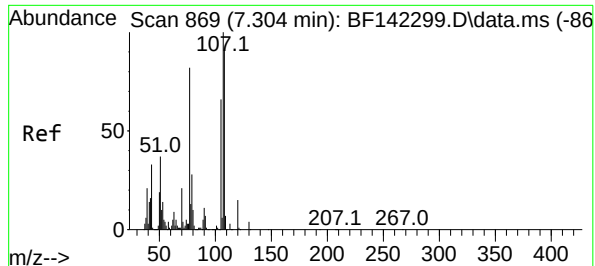
70 100

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# 81

Delta R.T. 0.012 min

Lab File: BF142302.D

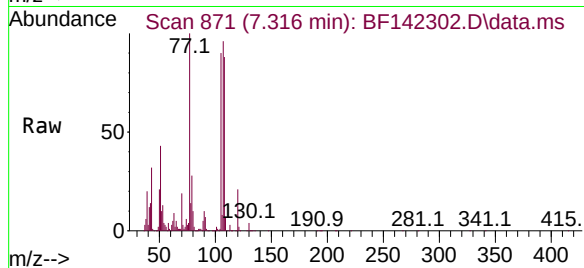
Acq: 05 May 2025 17:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



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

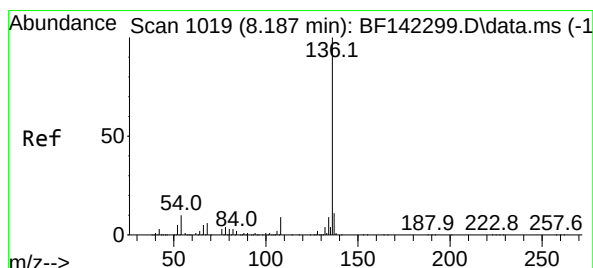
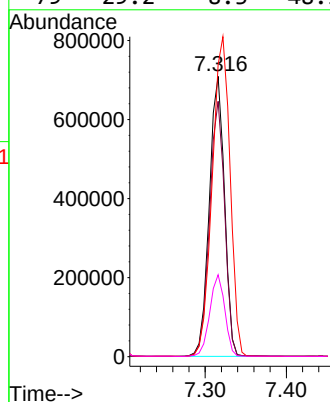
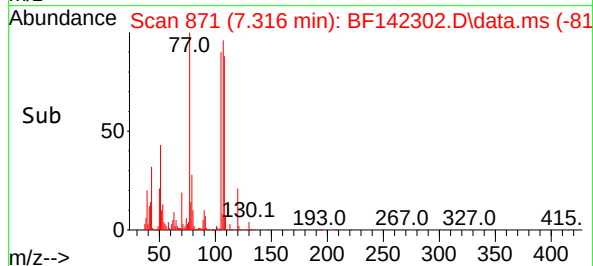
79 29.2 8.3 48.3

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Reviewed By :Rahul Chavli 05/06/2025

Supervised By :Jagrut Upadhyay 05/06/2025



#21

Naphthalene-d8

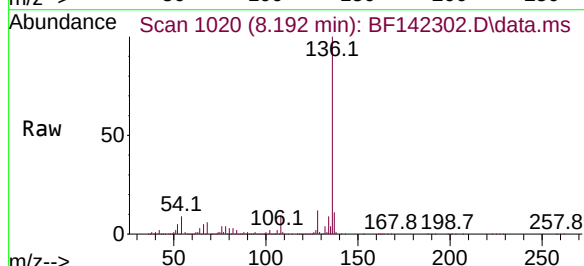
Concen: 20.000 ng

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

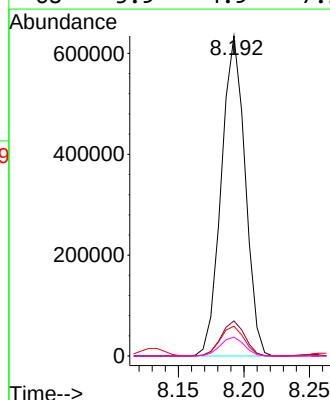
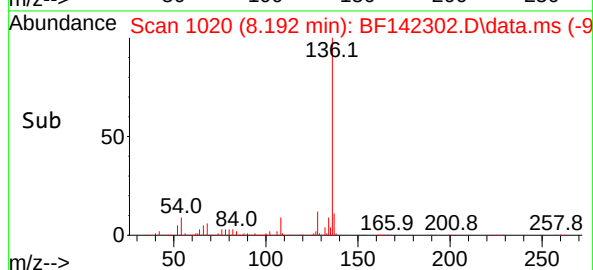
Ion Ratio Lower Upper

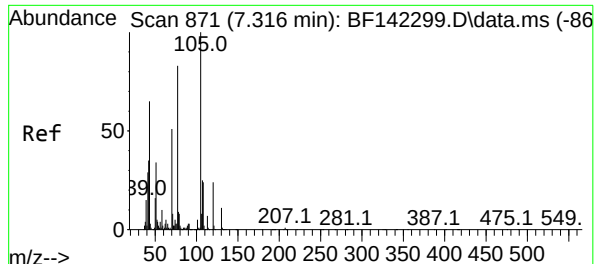
136 100

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# 81

Delta R.T. 0.006 min

Lab File: BF142302.D

Acq: 05 May 2025 17:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

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

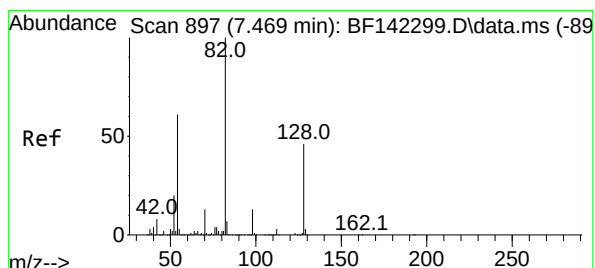
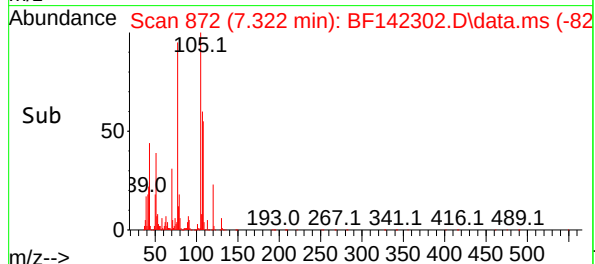
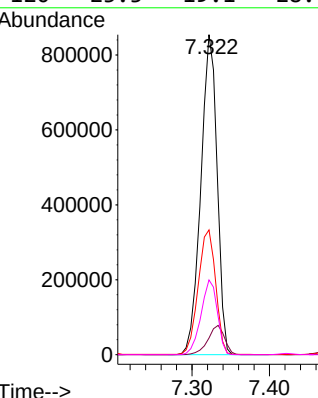
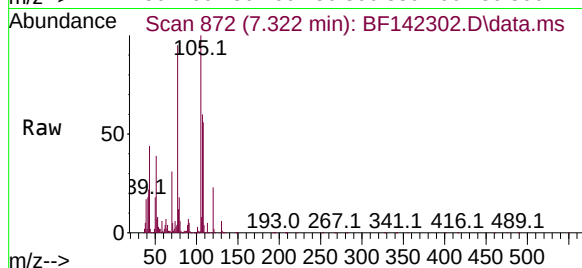
120 23.3 19.1 28.7

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

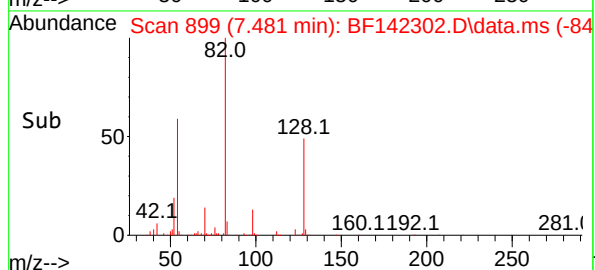
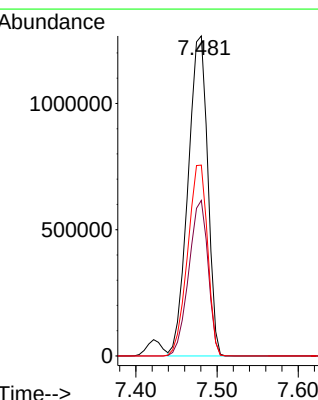
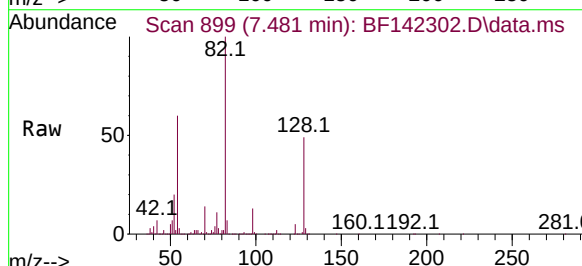
Tgt Ion: 82 Resp: 2128583

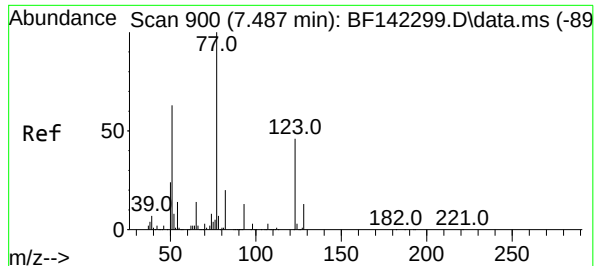
Ion Ratio Lower Upper

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# 900

Delta R.T. 0.012 min

Lab File: BF142302.D

Acq: 05 May 2025 17:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

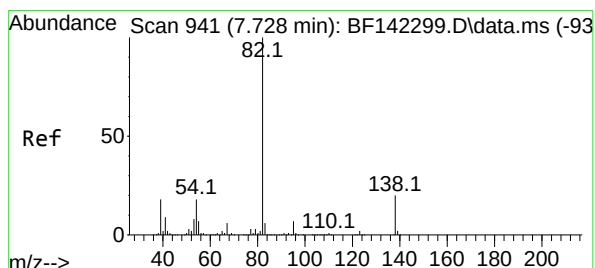
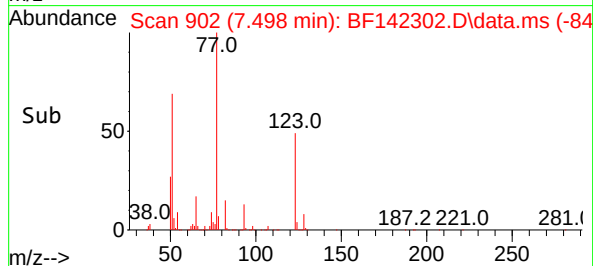
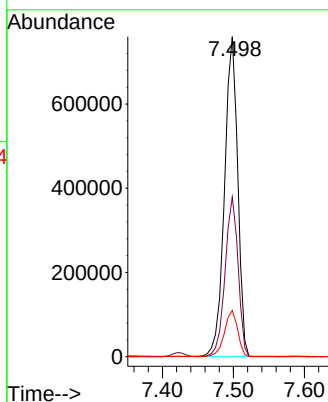
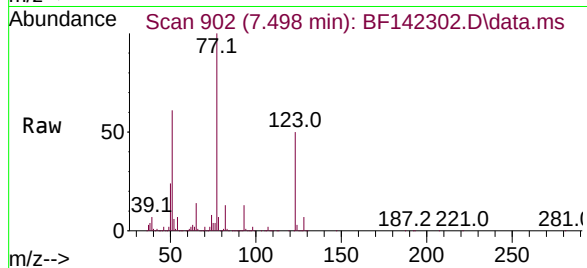
Tgt Ion:	77	Resp:	978534
Ion	Ratio	Lower	Upper
77	100		
123	49.9	37.8	56.8
65	14.5	11.4	17.0

Manual Integrations

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Reviewed By :Rahul Chavli 05/06/2025

Supervised By :Jagrut Upadhyay 05/06/2025



#25

Isophorone

Concen: 77.044 ng

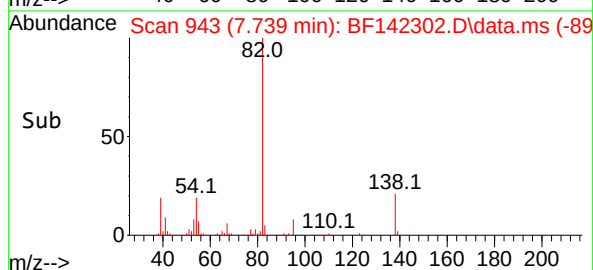
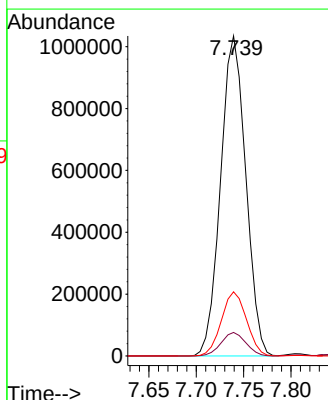
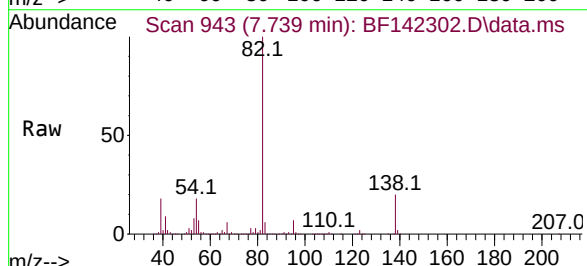
RT: 7.739 min Scan# 943

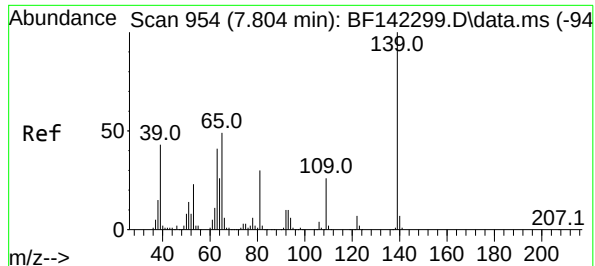
Delta R.T. 0.012 min

Lab File: BF142302.D

Acq: 05 May 2025 17:15

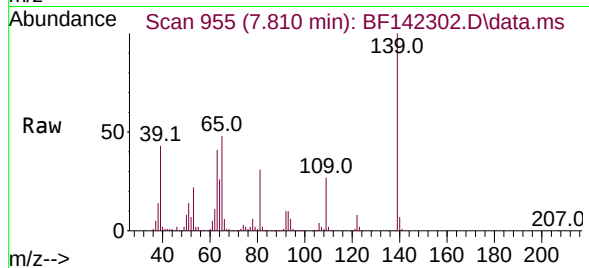
Tgt Ion:	82	Resp:	1916388
Ion	Ratio	Lower	Upper
82	100		
95	7.3	5.8	8.8
138	20.1	16.1	24.1





#26
2-Nitrophenol
Concen: 80.172 ng
RT: 7.810 min Scan# 91
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

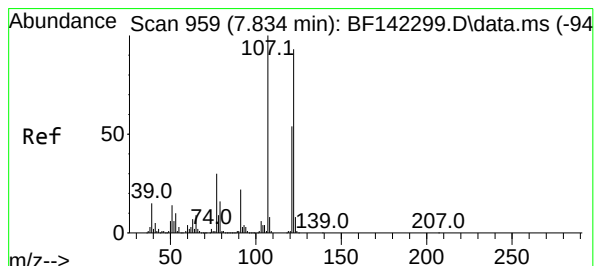
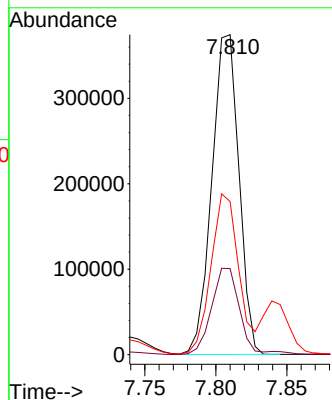
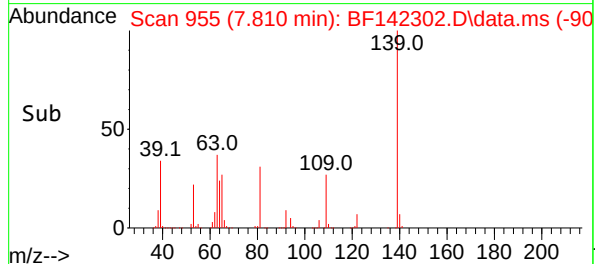
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



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

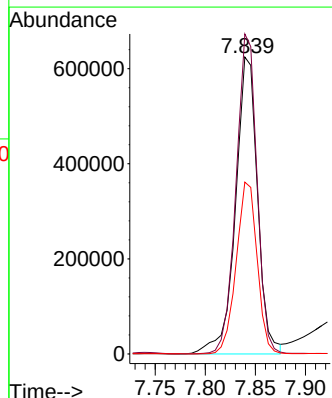
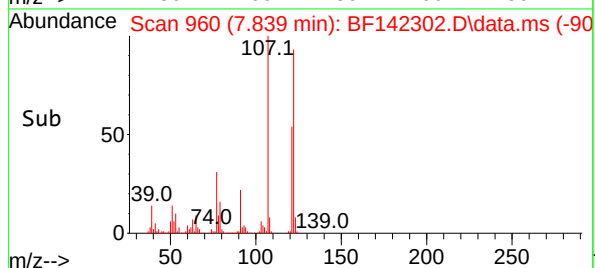
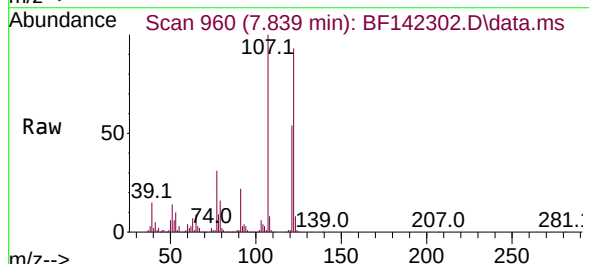
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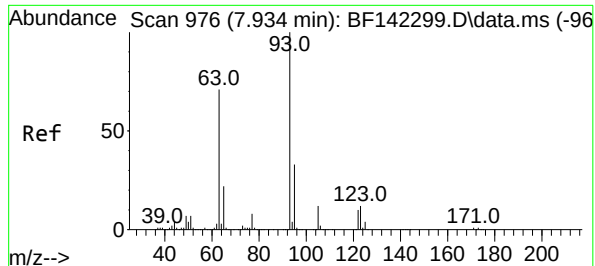
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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





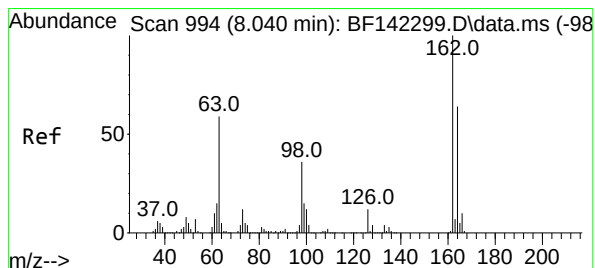
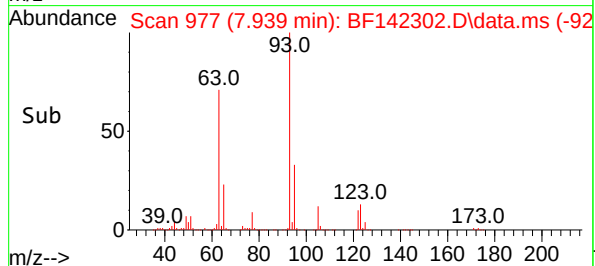
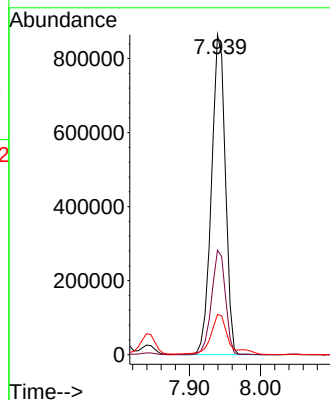
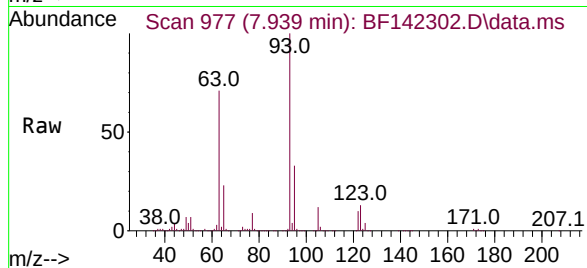
#28
bis(2-Chloroethoxy)methane
Concen: 73.236 ng
RT: 7.939 min Scan# 911
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 93 Resp: 1171369
Ion Ratio Lower Upper
93 100
95 32.7 26.1 39.1
123 12.5 10.2 15.4

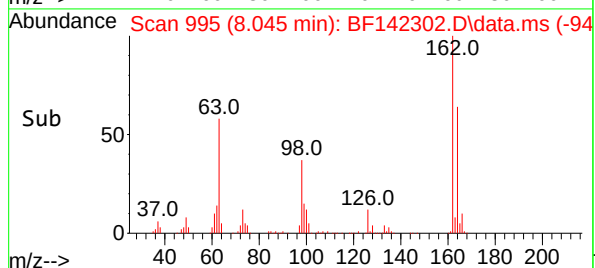
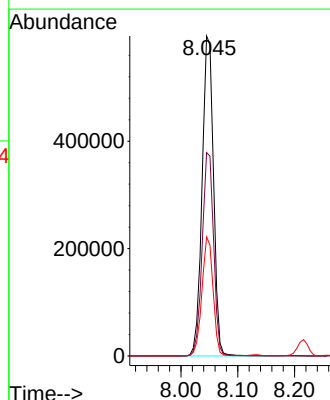
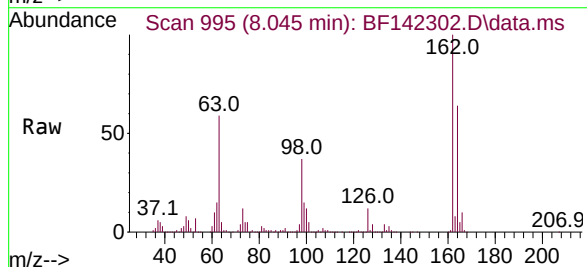
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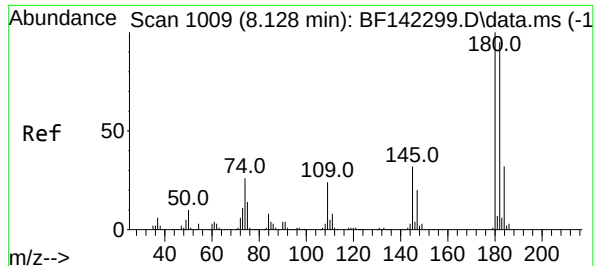
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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# 1009

Delta R.T. 0.006 min

Lab File: BF142302.D

Acq: 05 May 2025 17:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

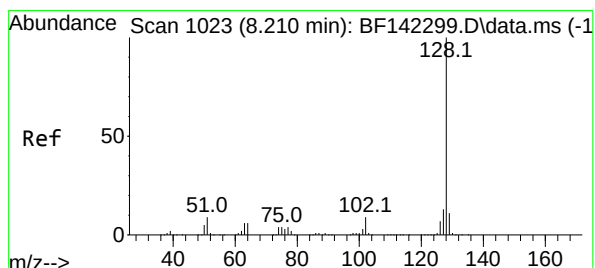
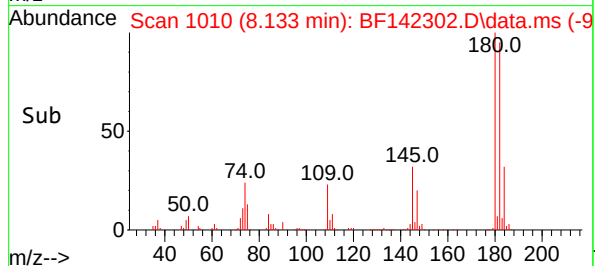
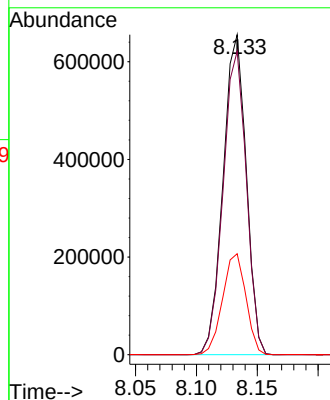
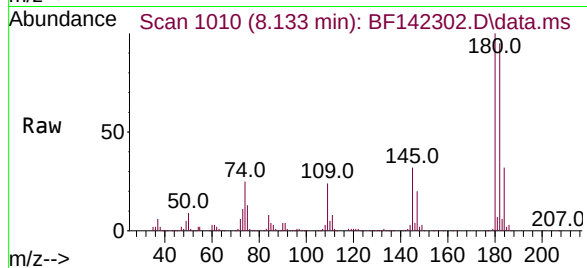
Tgt Ion:180 Resp: 868120
Ion Ratio Lower Upper
180 100
182 94.9 76.2 114.4
145 31.6 25.8 38.6

Manual Integrations

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Reviewed By :Rahul Chavli 05/06/2025

Supervised By :Jagrut Upadhyay 05/06/2025



#31

Naphthalene

Concen: 68.916 ng

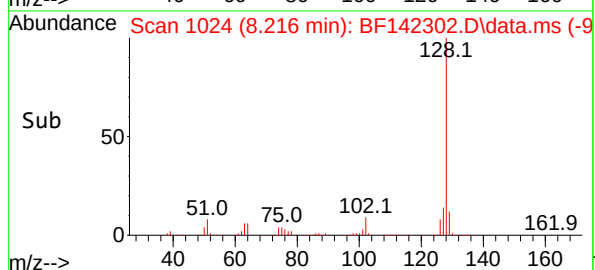
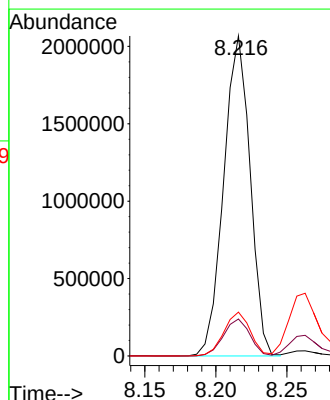
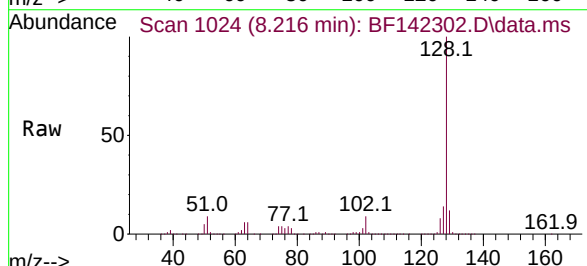
RT: 8.216 min Scan# 1024

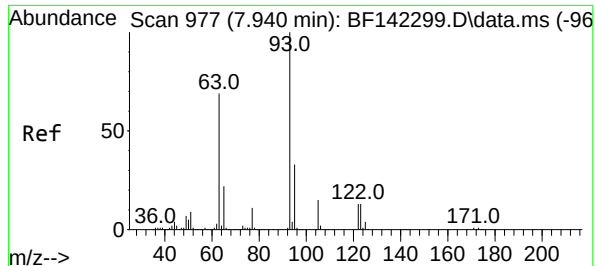
Delta R.T. 0.006 min

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# 91

Delta R.T. 0.035 min

Lab File: BF142302.D

Acq: 05 May 2025 17:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:122 Resp: 62231

Ion Ratio Lower Upper

122 100

105 119.1 97.9 137.9

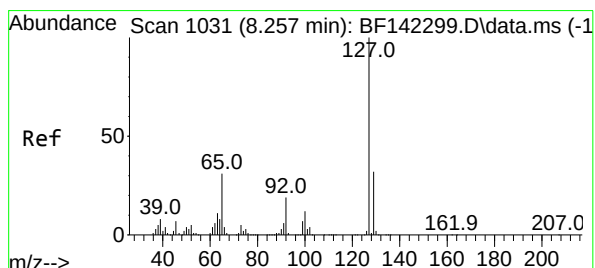
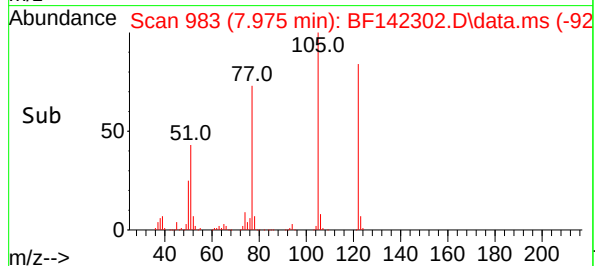
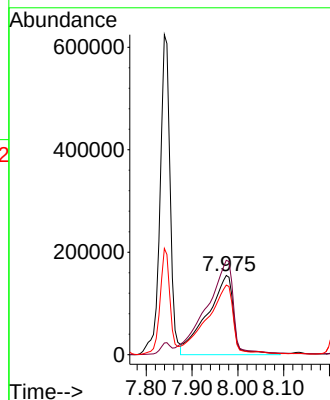
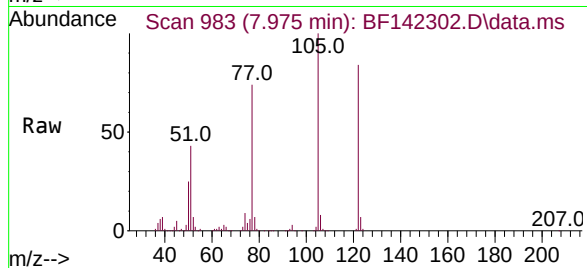
77 88.0 67.7 107.7

Manual Integrations

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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

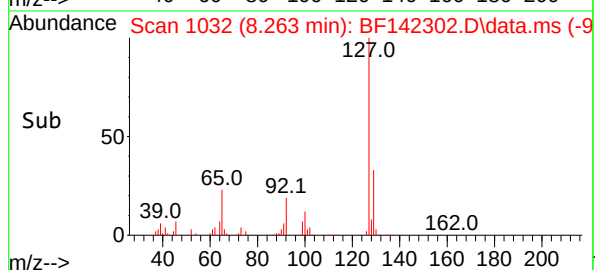
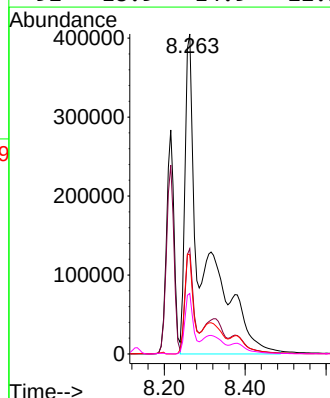
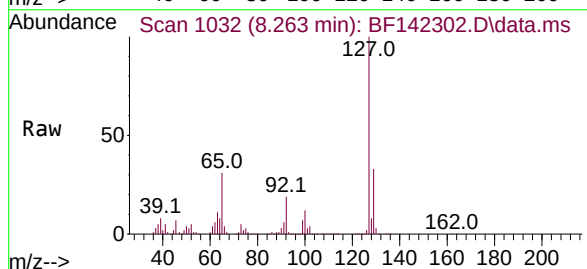
Ion Ratio Lower Upper

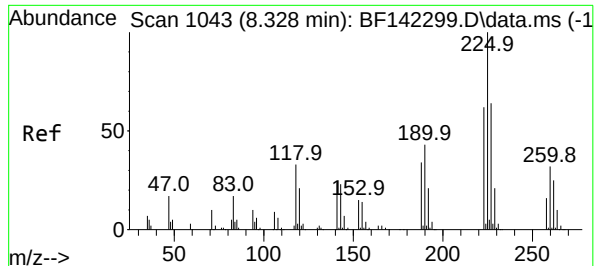
127 100

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# 1044

Delta R.T. 0.006 min

Lab File: BF142302.D

Acq: 05 May 2025 17:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:225 Resp: 520499

Ion Ratio Lower Upper

225 100

223 62.6 49.8 74.6

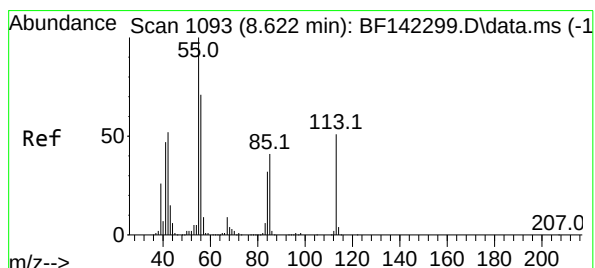
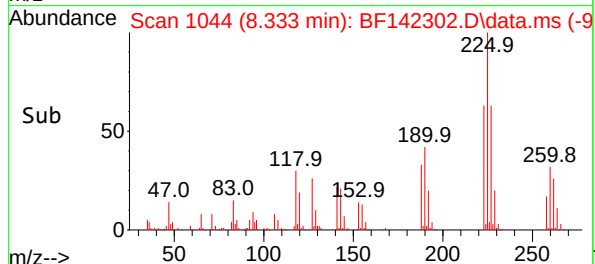
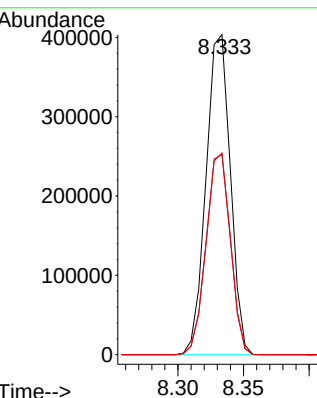
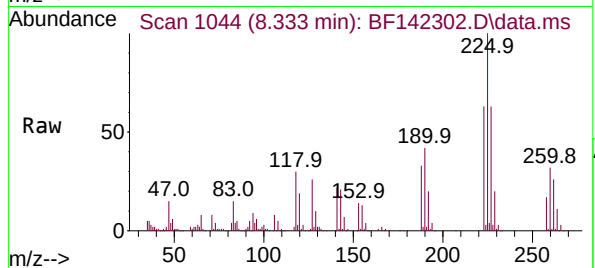
227 63.0 50.9 76.3

Manual Integrations

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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

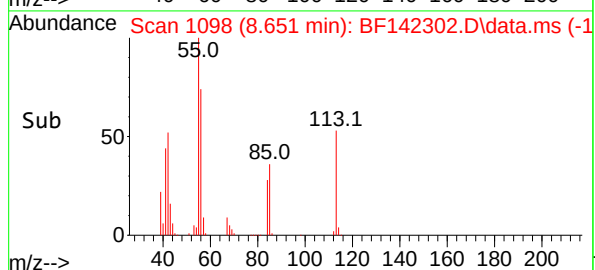
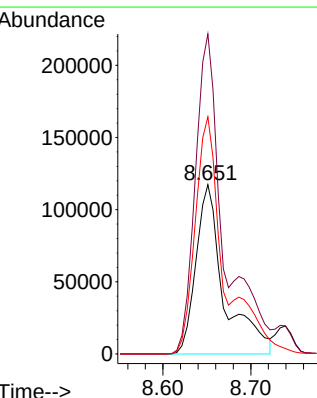
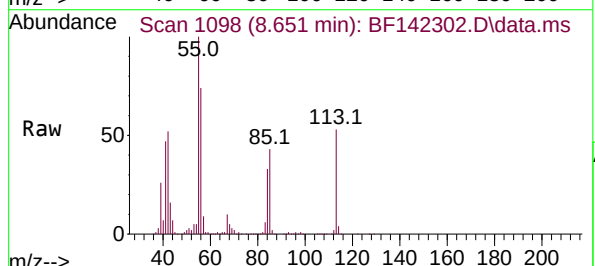
Tgt Ion:113 Resp: 261433

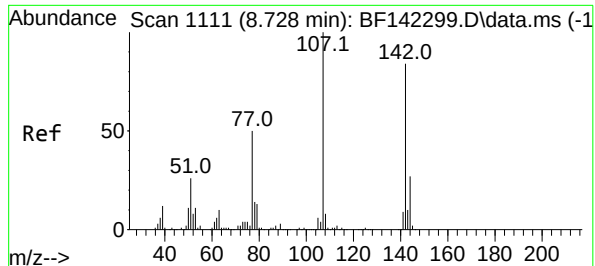
Ion Ratio Lower Upper

113 100

55 189.0 176.4 216.4

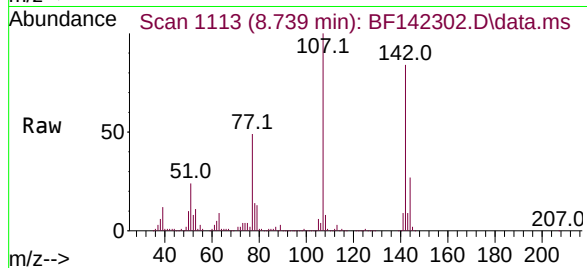
56 140.1 120.3 160.3





#36
4-Chloro-3-methylphenol
Concen: 76.050 ng
RT: 8.739 min Scan# 1111
Delta R.T. 0.012 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

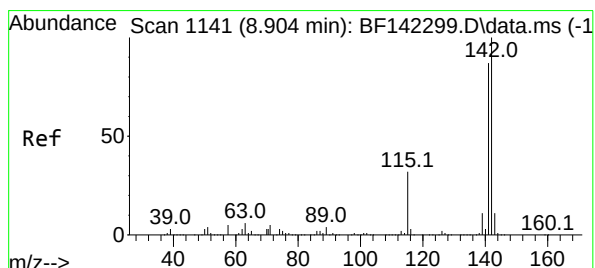
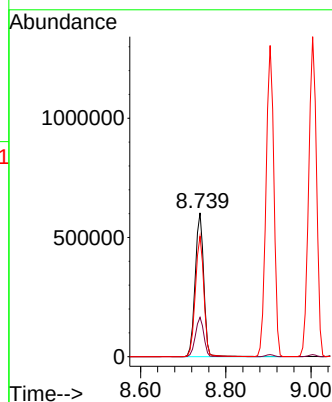
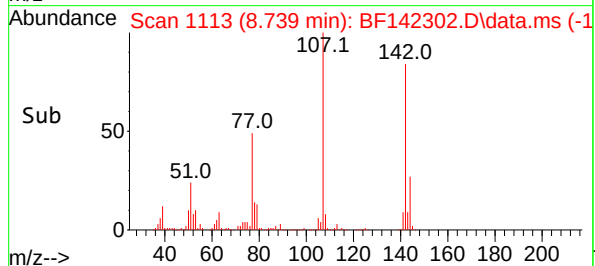
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



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

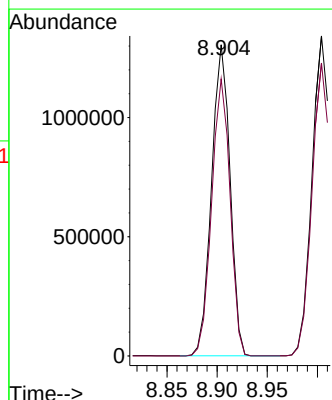
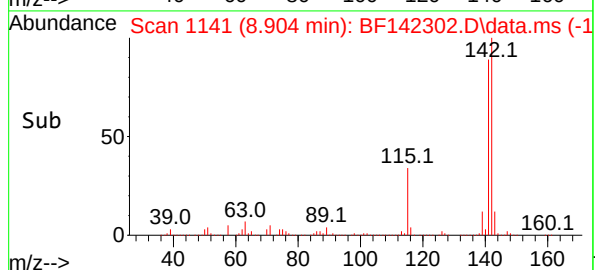
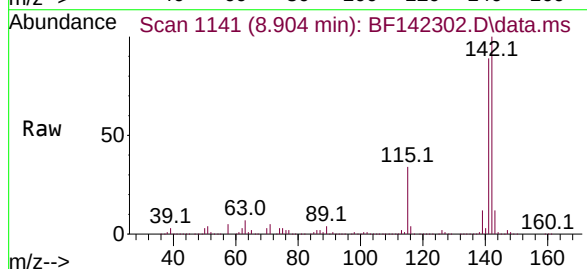
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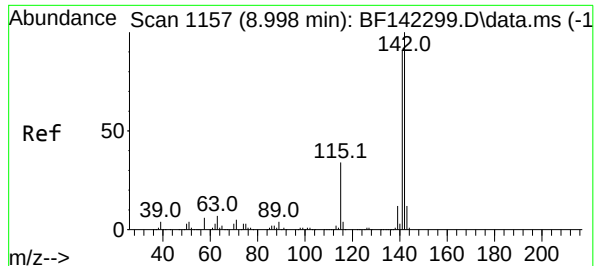
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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# 1157

Delta R.T. 0.006 min

Lab File: BF142302.D

Acq: 05 May 2025 17:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:142 Resp: 171404

Ion Ratio Lower Upper

142 100

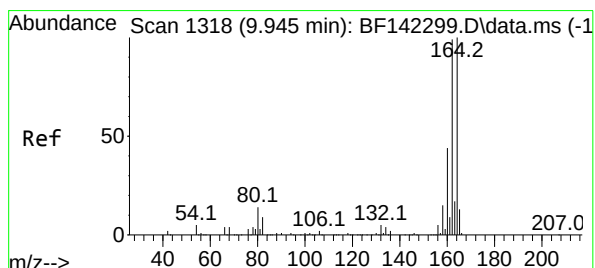
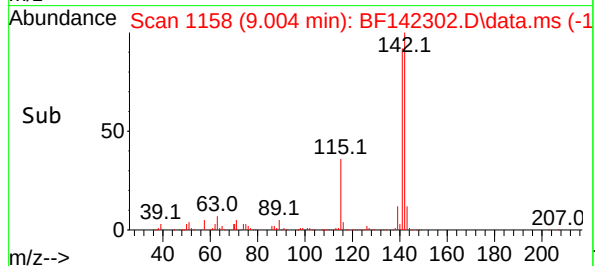
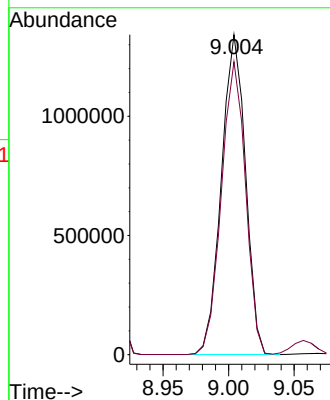
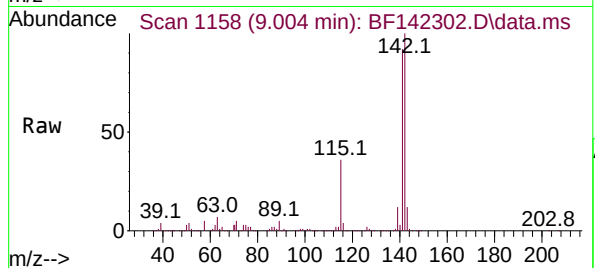
141 91.6 72.5 108.7

Manual Integrations

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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

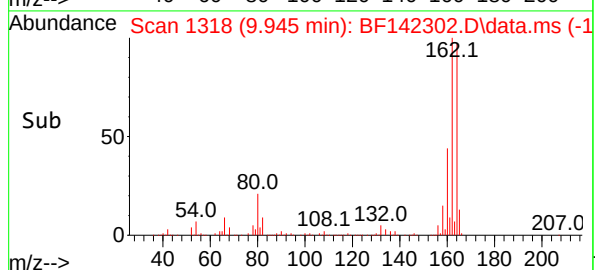
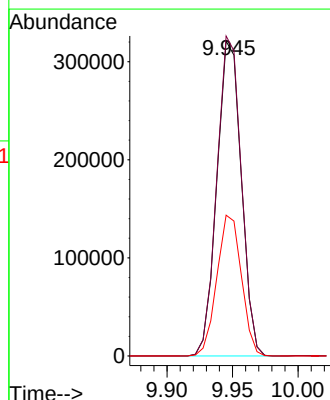
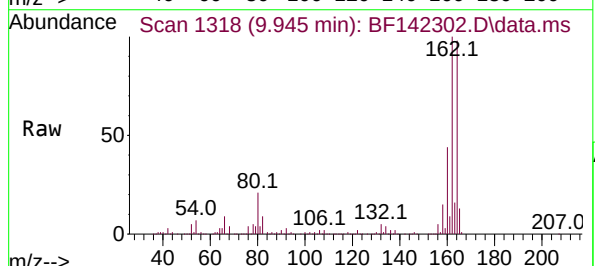
Tgt Ion:164 Resp: 414811

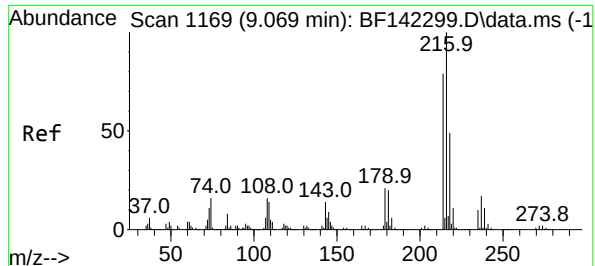
Ion Ratio Lower Upper

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# 1169

Delta R.T. -0.000 min

Lab File: BF142302.D

Acq: 05 May 2025 17:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

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

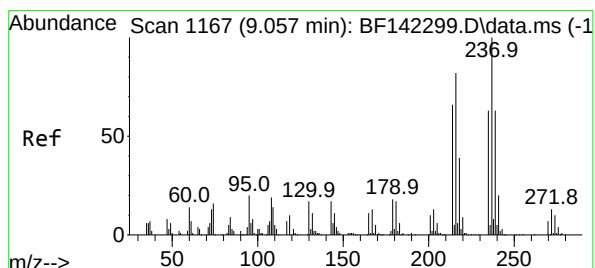
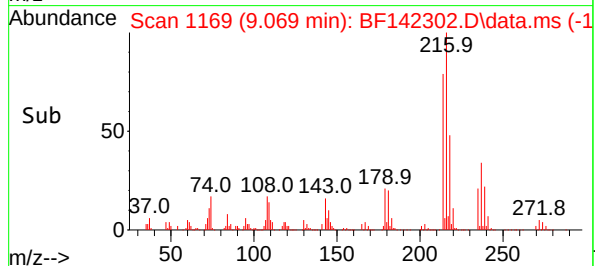
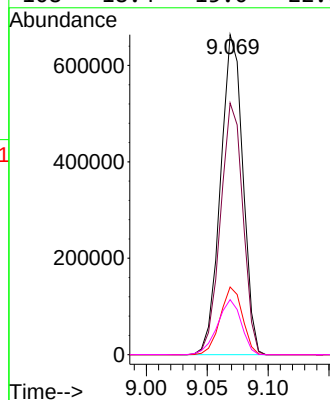
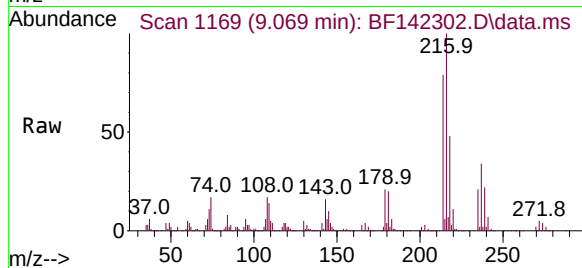
108 18.4 15.0 22.6

Manual Integrations

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#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

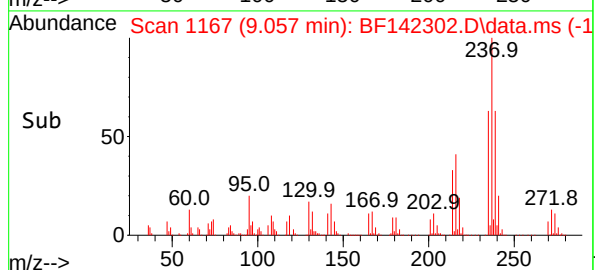
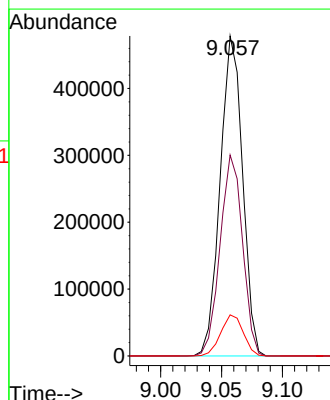
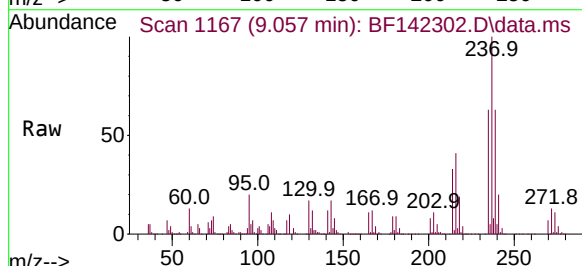
Tgt Ion:237 Resp: 612608

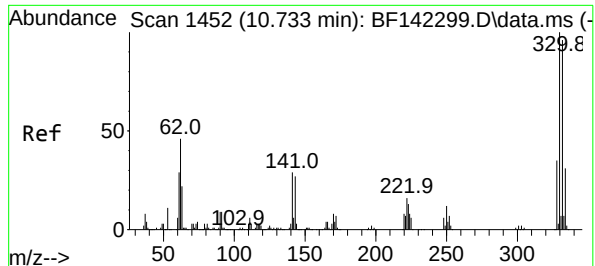
Ion Ratio Lower Upper

237 100

235 62.8 42.8 82.8

272 12.8 0.0 33.0





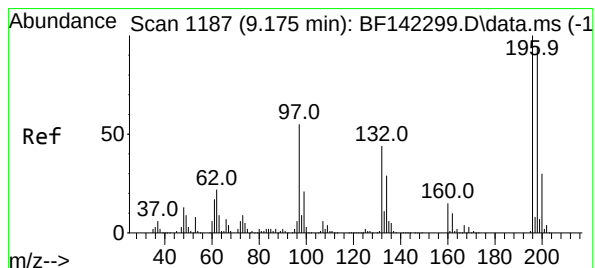
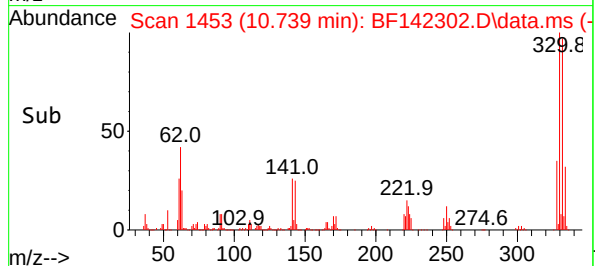
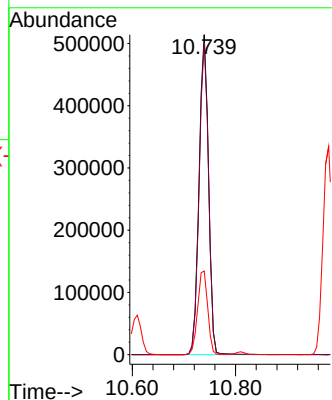
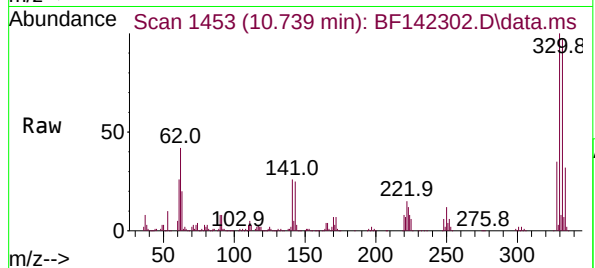
#42
2,4,6-Tribromophenol
Concen: 163.012 ng
RT: 10.739 min Scan# 1452
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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

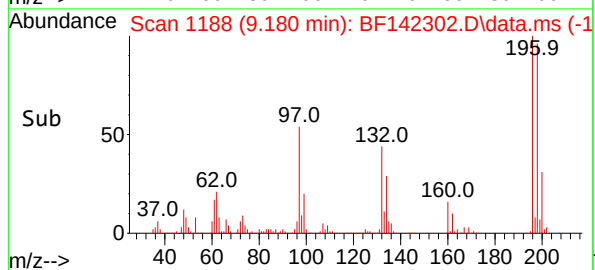
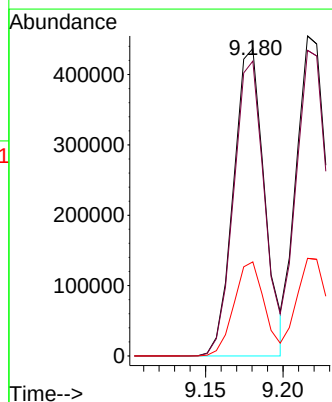
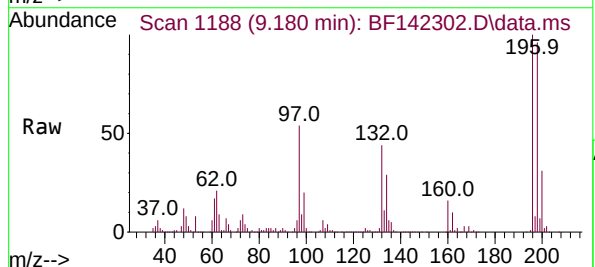
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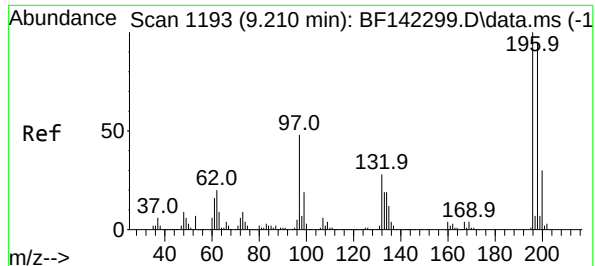
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

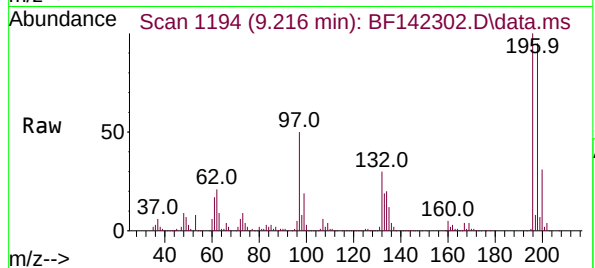
Tgt Ion:196 Resp: 605787
Ion Ratio Lower Upper
196 100
198 96.0 75.4 113.0
200 30.6 24.3 36.5





#44
2,4,5-Trichlorophenol
Concen: 78.648 ng
RT: 9.216 min Scan# 1193
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

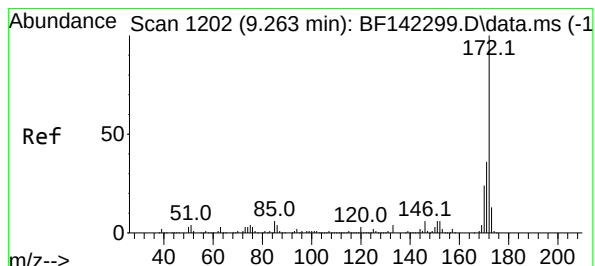
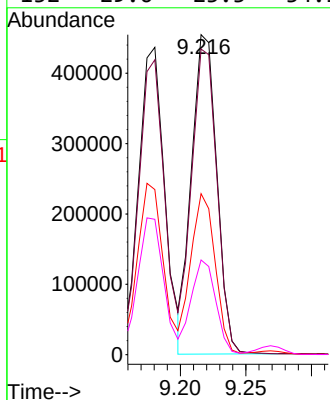
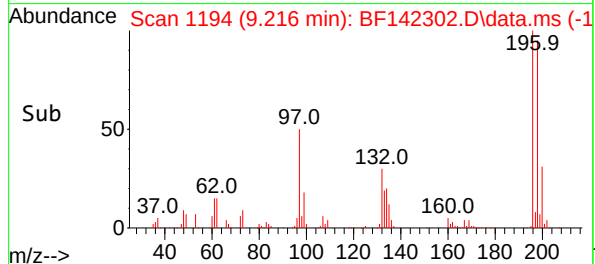
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:196 Resp: 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

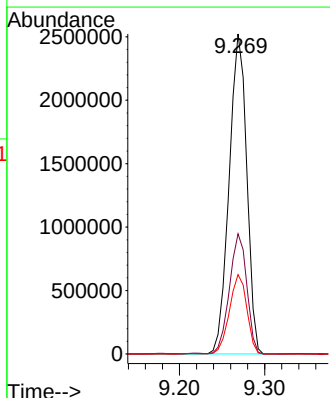
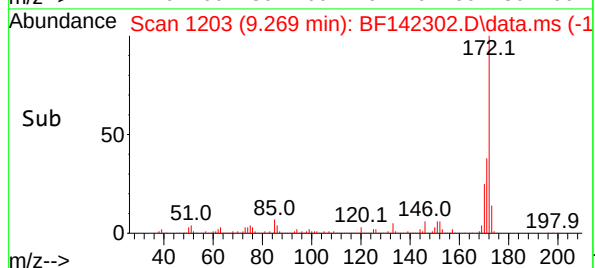
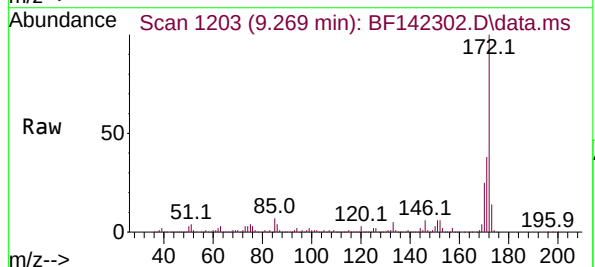
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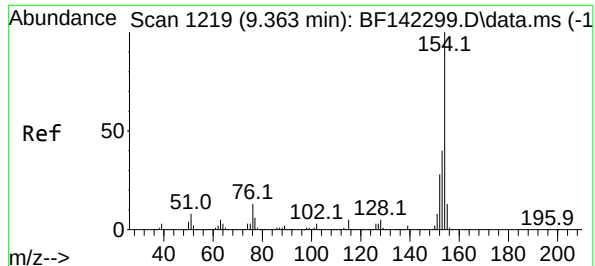
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

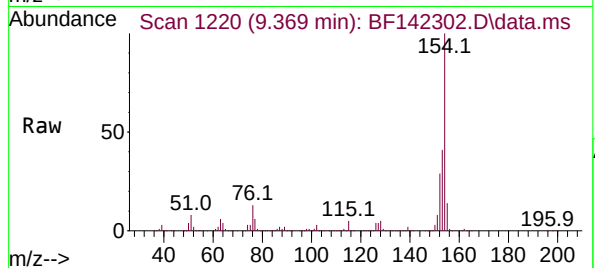
Tgt Ion:172 Resp: 3617174
Ion Ratio Lower Upper
172 100
171 37.6 28.6 42.8
170 24.8 19.0 28.4





#46
1,1'-Biphenyl
Concen: 68.328 ng
RT: 9.369 min Scan# 1219
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

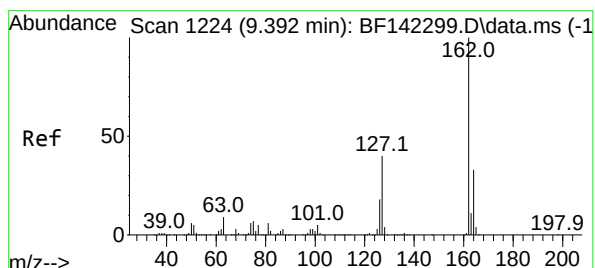
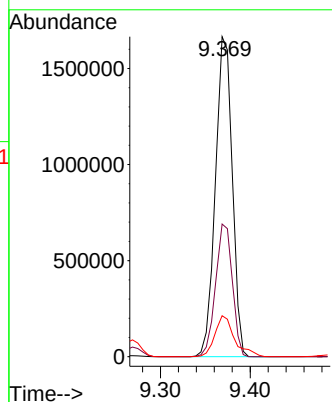
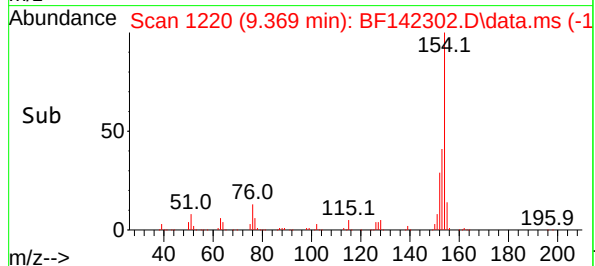
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



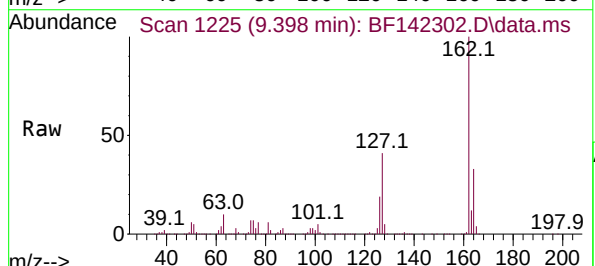
Tgt Ion:154 Resp: 217320
Ion Ratio Lower Upper
154 100
153 41.5 20.5 60.5
76 12.8 0.0 32.8

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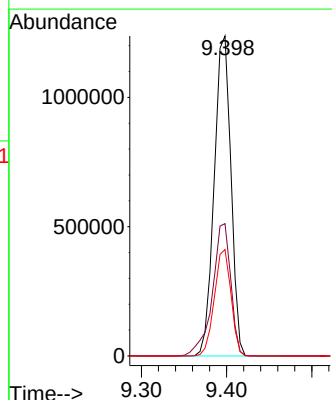
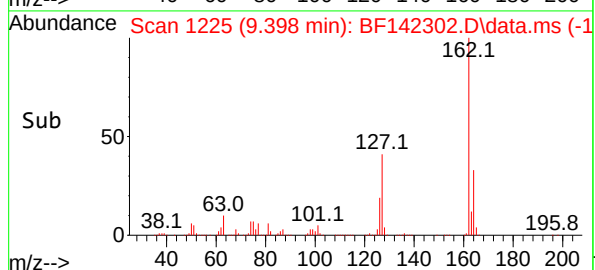
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

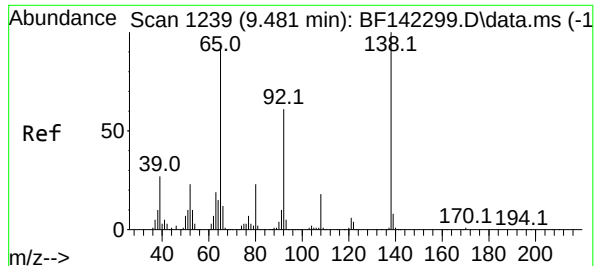


#47
2-Chloronaphthalene
Concen: 71.397 ng
RT: 9.398 min Scan# 1225
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15



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# 1239

Delta R.T. 0.006 min

Lab File: BF142302.D

Acq: 05 May 2025 17:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion: 65 Resp: 547789

Ion Ratio Lower Upper

65 100

92 66.7 52.3 78.5

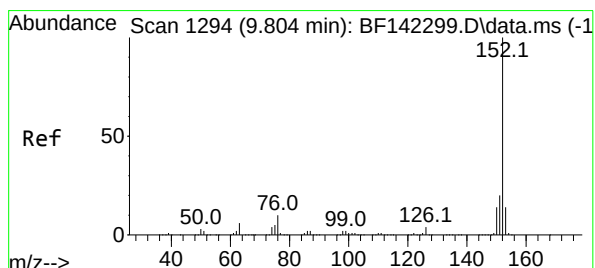
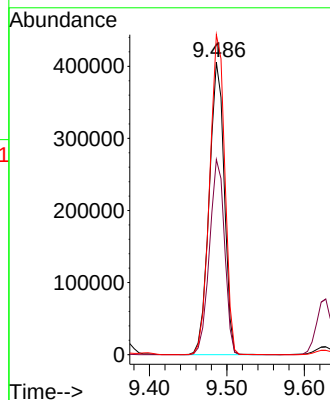
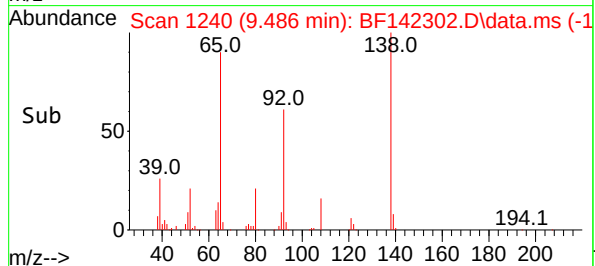
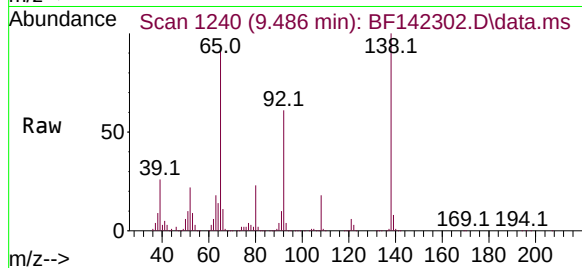
138 109.4 85.6 128.4

Manual Integrations

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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

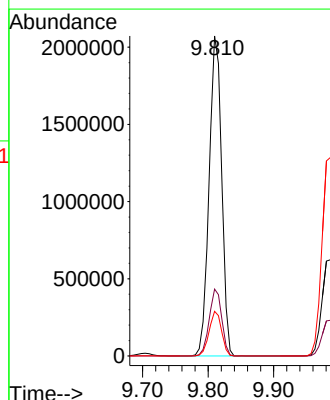
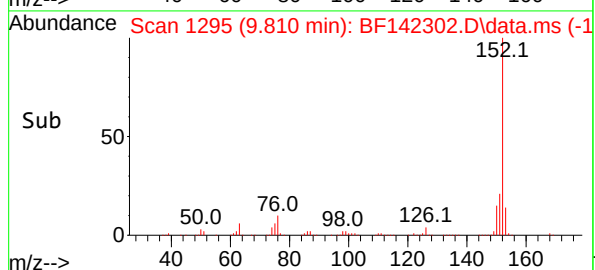
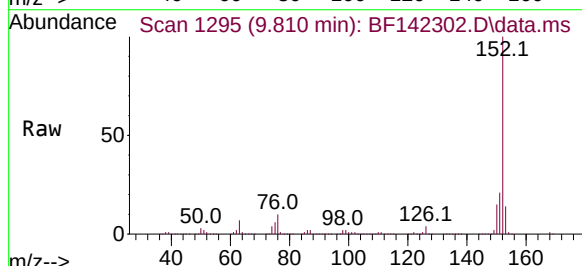
Tgt Ion:152 Resp: 2763028

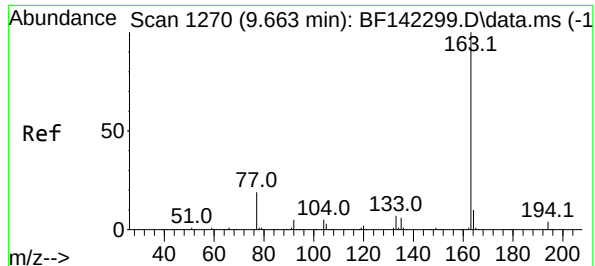
Ion Ratio Lower Upper

152 100

151 20.9 16.0 24.0

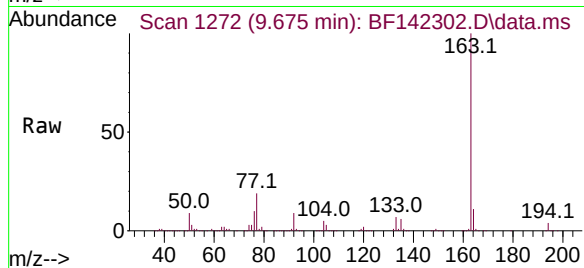
153 14.0 10.8 16.2





#50
Dimethylphthalate
Concen: 73.901 ng
RT: 9.675 min Scan# 1272
Delta R.T. 0.012 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

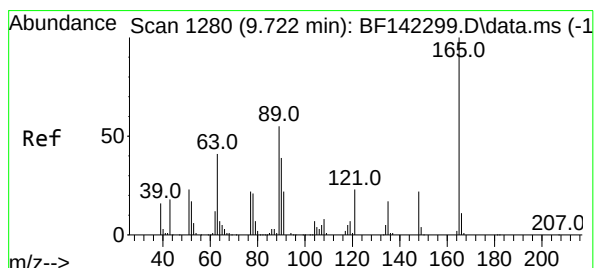
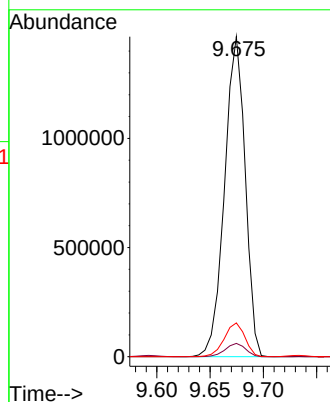
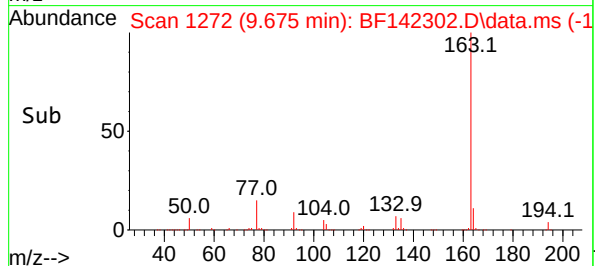
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



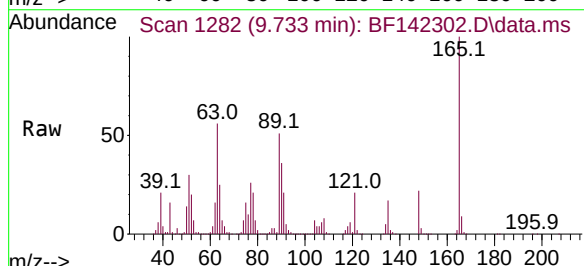
Tgt Ion:163 Resp: 196843
Ion Ratio Lower Upper
163 100
194 4.2 3.2 4.8
164 10.6 8.3 12.5

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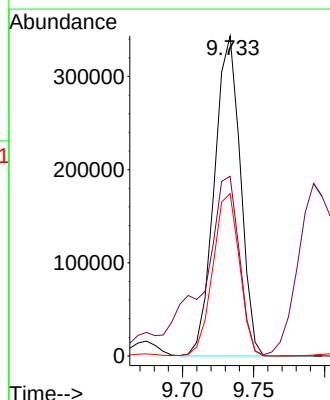
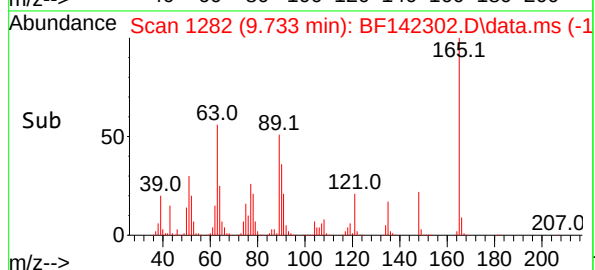
Reviewed By :Rahul Chavli 05/06/2025
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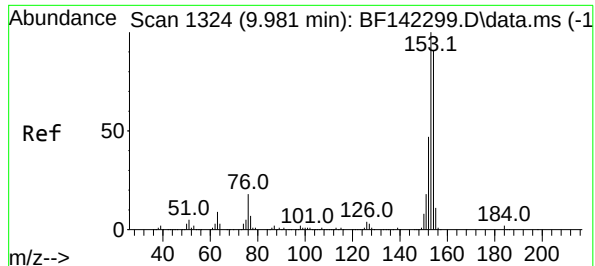


#51
2,6-Dinitrotoluene
Concen: 87.669 ng
RT: 9.733 min Scan# 1282
Delta R.T. 0.012 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15



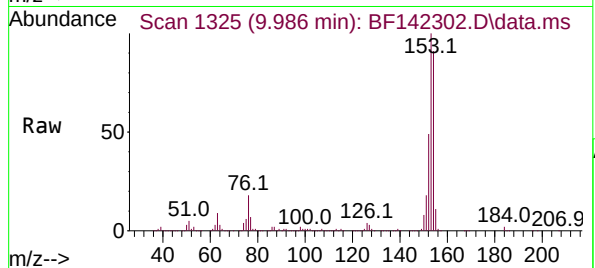
Tgt Ion:165 Resp: 437098
Ion Ratio Lower Upper
165 100
63 56.2 49.5 74.3
89 50.7 44.6 66.8





#52
Acenaphthene
Concen: 71.203 ng
RT: 9.986 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

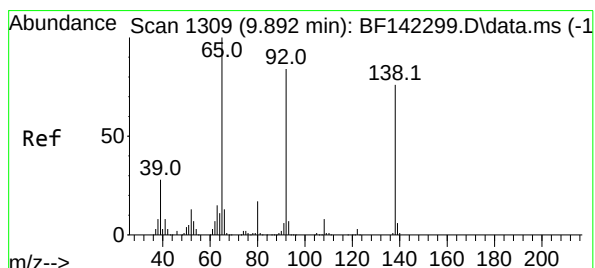
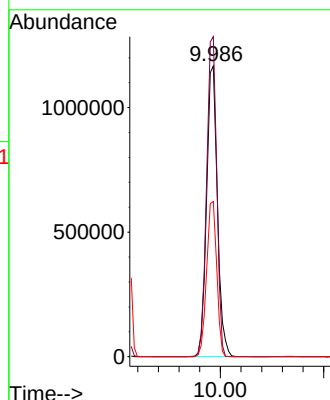
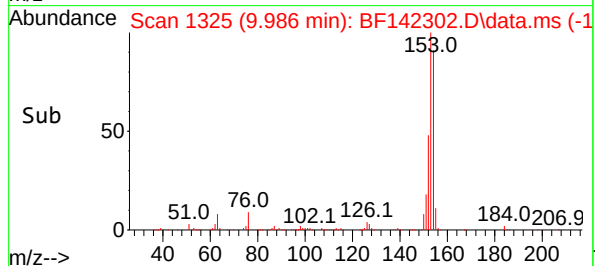
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



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

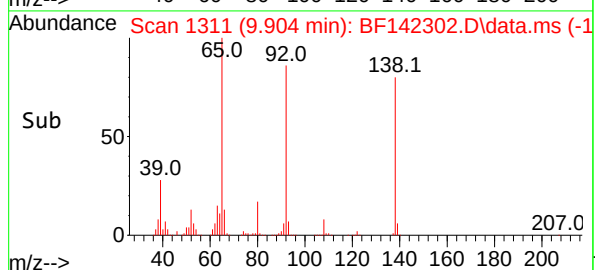
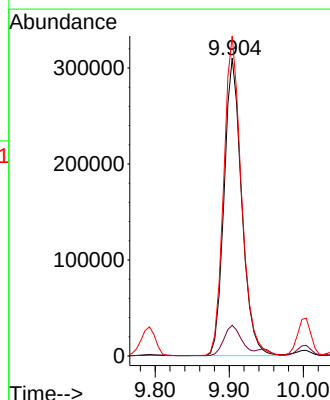
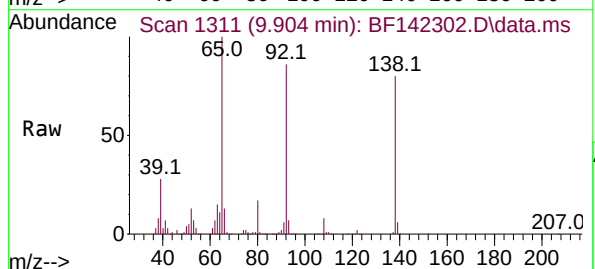
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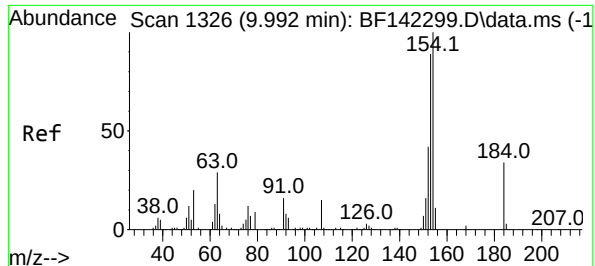
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

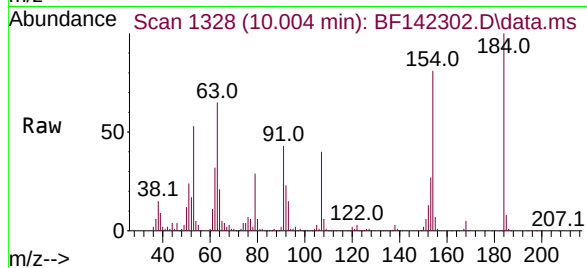
Tgt Ion:138 Resp: 510152
Ion Ratio Lower Upper
138 100
108 10.3 8.7 13.1
92 107.4 89.5 134.3





#54
2,4-Dinitrophenol
Concen: 80.686 ng
RT: 10.004 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

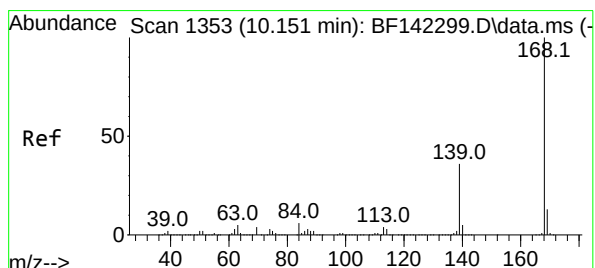
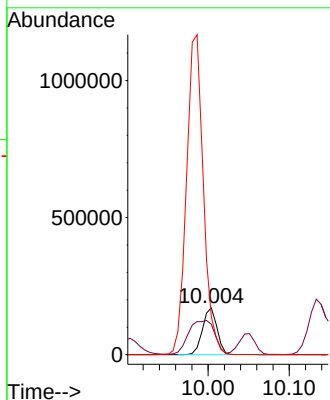
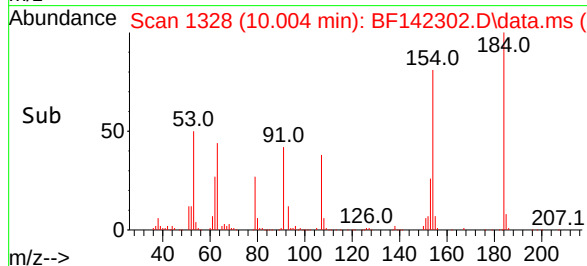
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



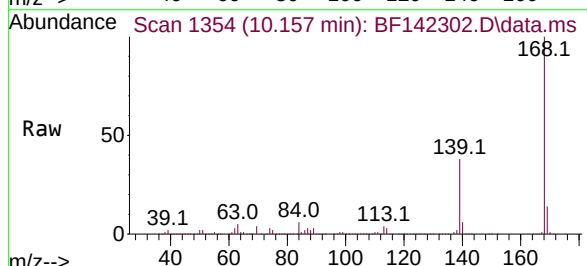
Tgt Ion:184 Resp: 210652
Ion Ratio Lower Upper
184 100
63 65.1 70.6 105.8
154 81.2 257.2 385.8

Manual Integrations
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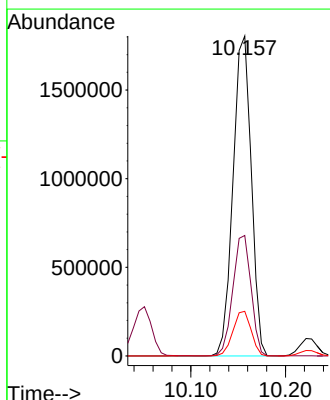
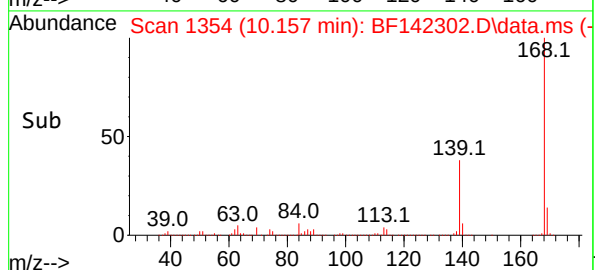
Reviewed By :Rahul Chavli 05/06/2025
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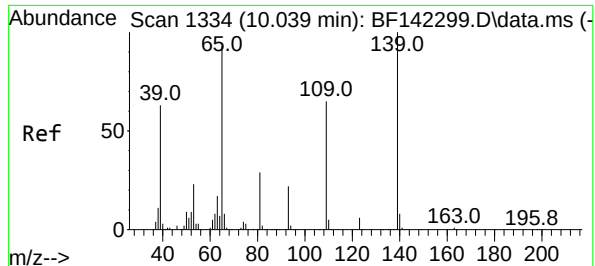


#55
Dibenzofuran
Concen: 68.642 ng
RT: 10.157 min Scan# 1354
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15



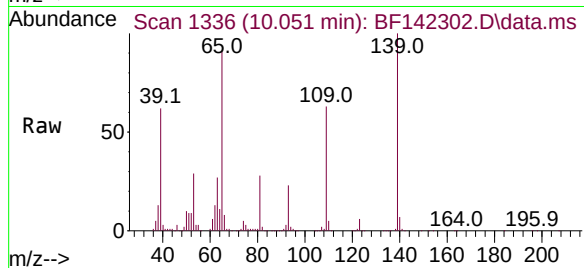
Tgt Ion:168 Resp: 2410169
Ion Ratio Lower Upper
168 100
139 37.7 29.0 43.4
169 13.9 10.7 16.1





#56
4-Nitrophenol
Concen: 87.250 ng
RT: 10.051 min Scan# 1336
Delta R.T. 0.012 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

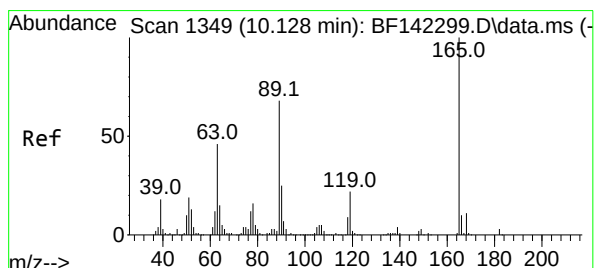
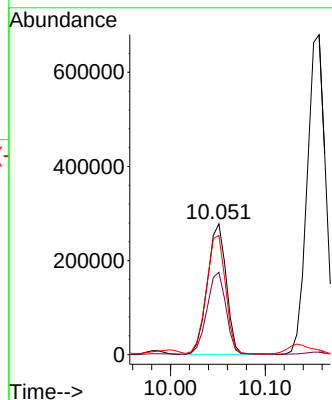
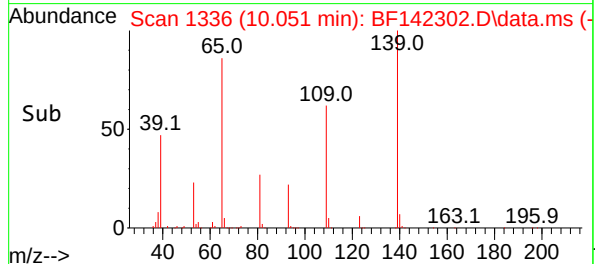
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



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

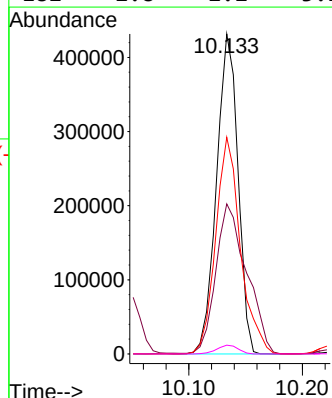
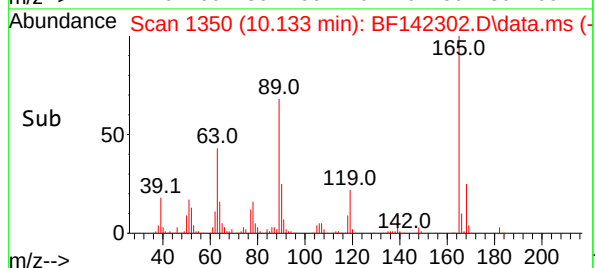
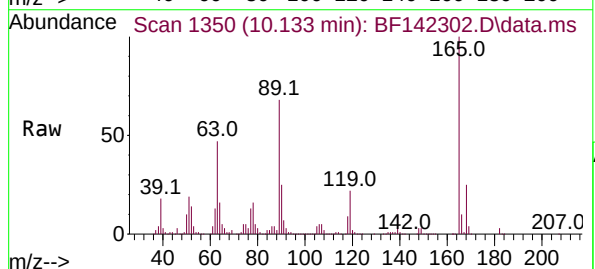
Manual Integrations
APPROVED

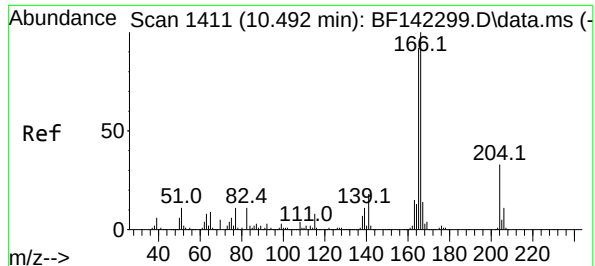
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

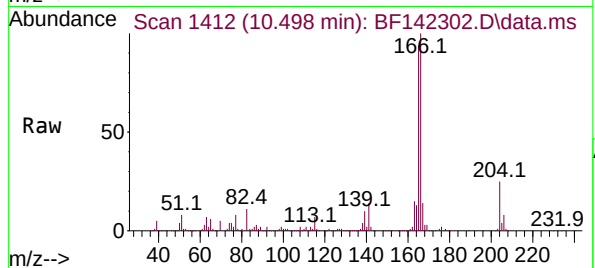
Tgt Ion:165 Resp: 566575
Ion Ratio Lower Upper
165 100
63 46.9 37.1 55.7
89 67.7 54.4 81.6
182 2.8 2.2 3.2





#58
Fluorene
Concen: 66.896 ng
RT: 10.498 min Scan# 1411
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

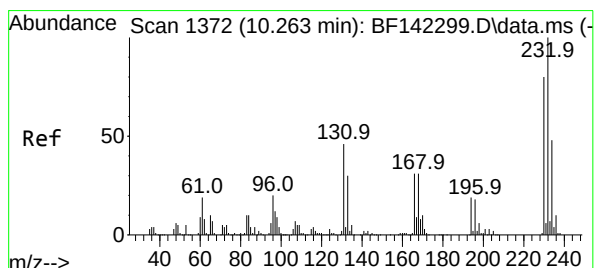
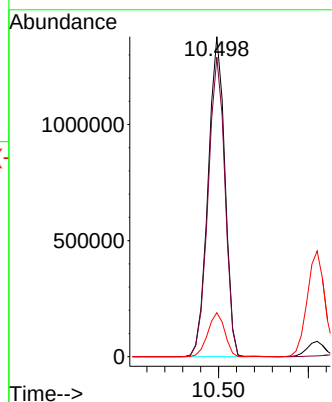
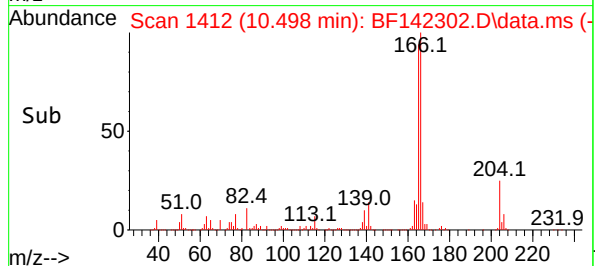
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



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

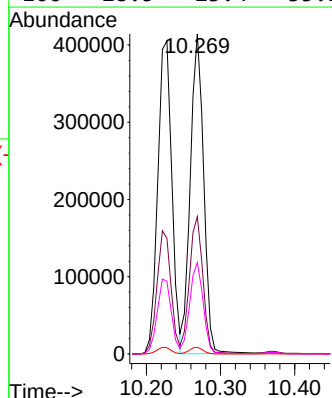
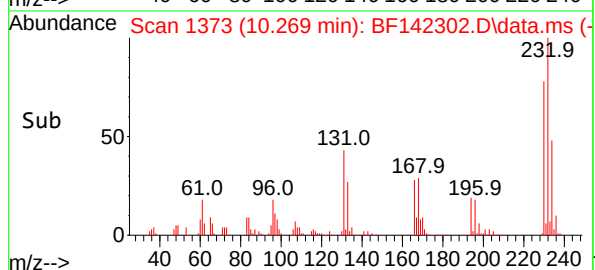
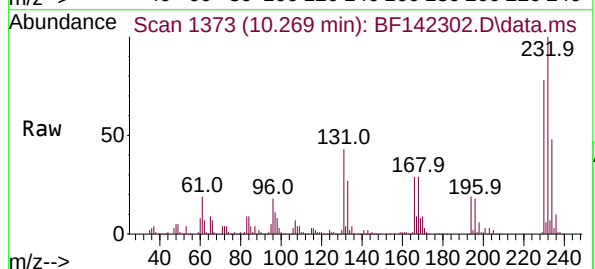
Manual Integrations
APPROVED

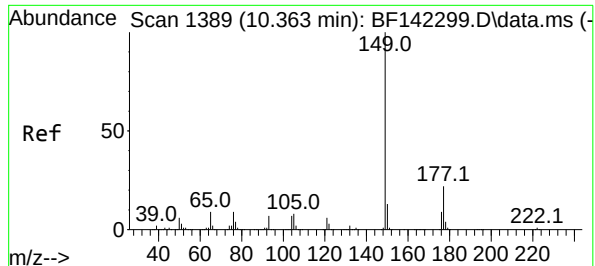
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

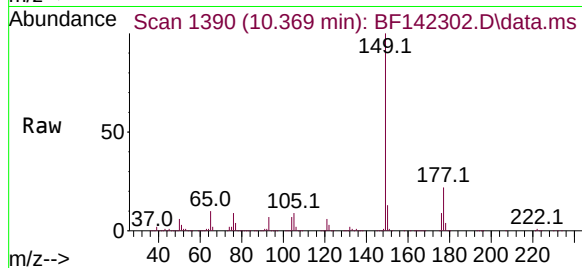
Tgt Ion:232 Resp: 520638
Ion Ratio Lower Upper
232 100
131 43.0 36.0 54.0
130 2.1 1.8 2.6
166 28.5 23.4 35.2





#60
Diethylphthalate
Concen: 71.766 ng
RT: 10.369 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

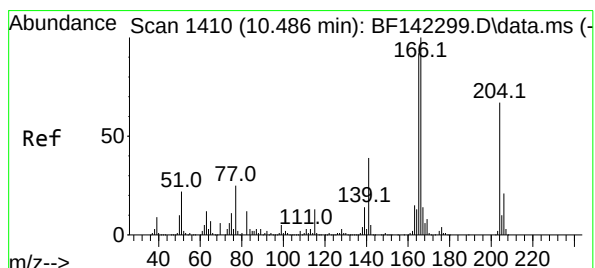
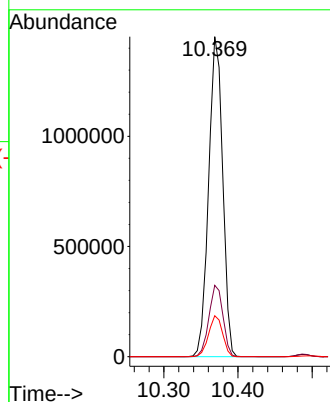
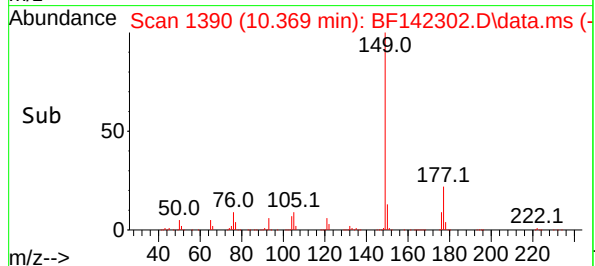
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



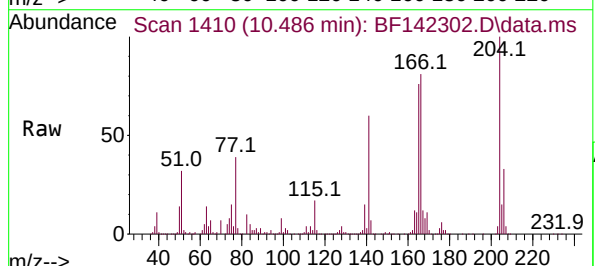
Tgt Ion:149 Resp: 190901
Ion Ratio Lower Upper
149 100
177 22.3 17.6 26.4
150 12.8 10.1 15.1

Manual Integrations
APPROVED

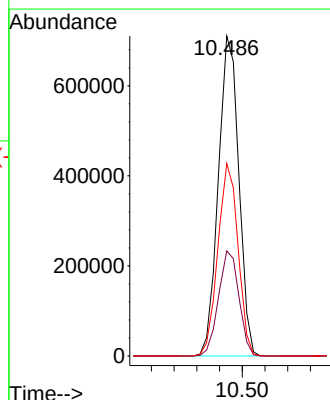
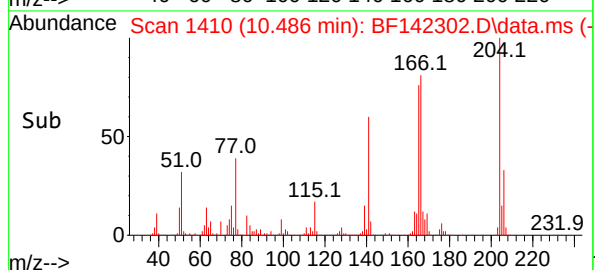
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

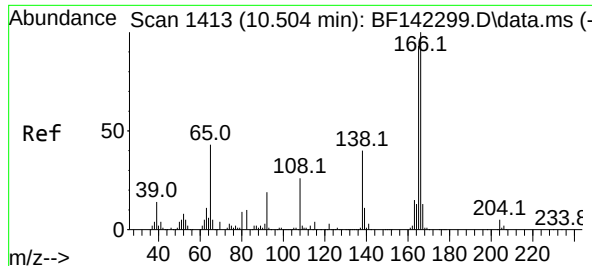


#61
4-Chlorophenyl-phenylether
Concen: 68.707 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.000 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15



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





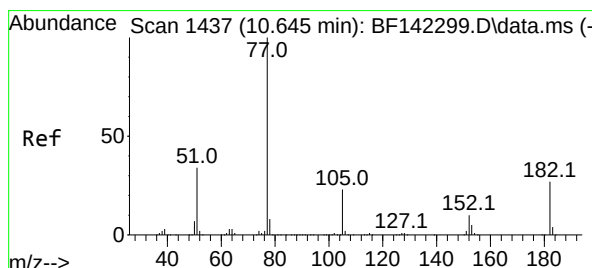
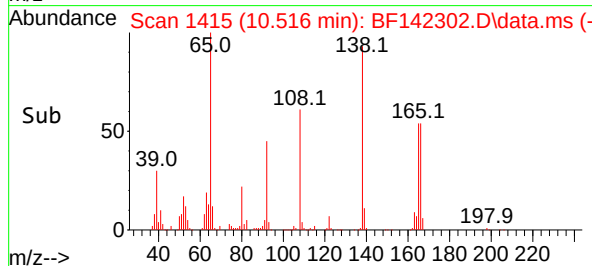
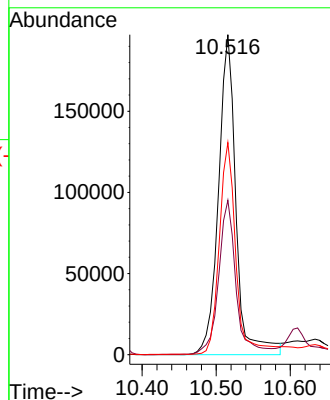
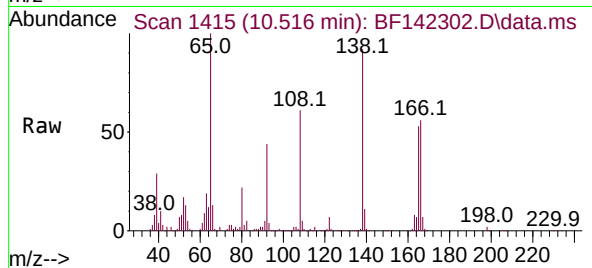
#62
4-Nitroaniline
Concen: 69.894 ng
RT: 10.516 min Scan# 1415
Delta R.T. 0.012 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:138 Resp: 32392
Ion Ratio Lower Upper
138 100
92 48.3 27.3 67.3
108 66.3 45.1 85.1

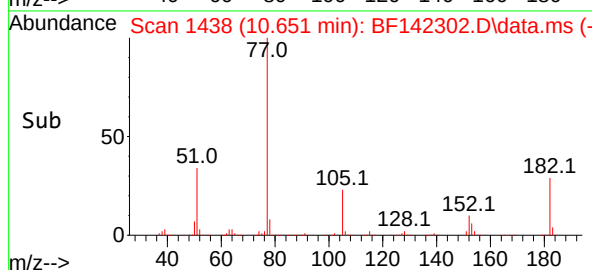
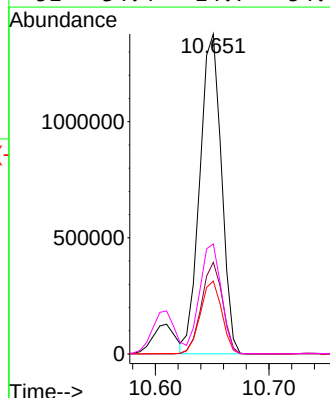
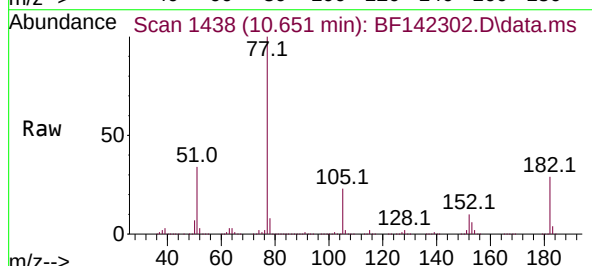
Manual Integrations
APPROVED

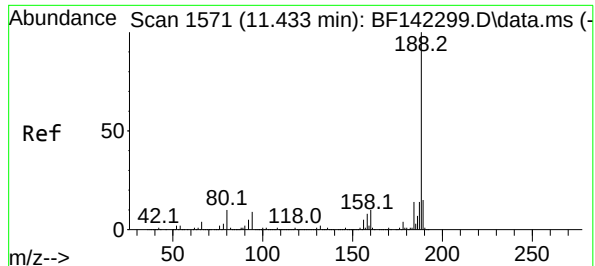
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

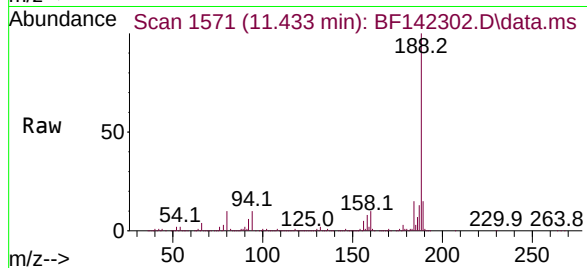
Tgt Ion: 77 Resp: 1821504
Ion Ratio Lower Upper
77 100
182 28.6 6.9 46.9
105 22.8 2.7 42.7
51 34.4 14.7 54.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1142
Delta R.T. -0.000 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

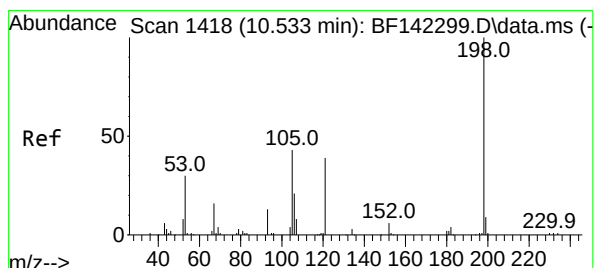
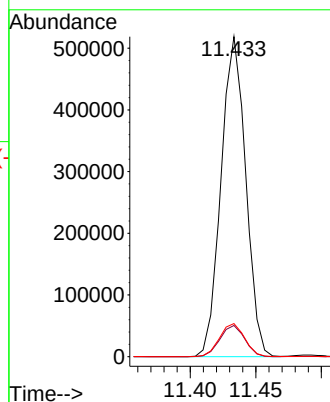
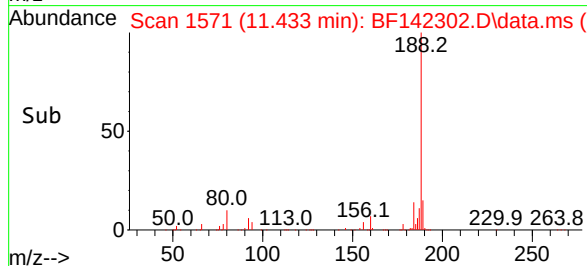
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



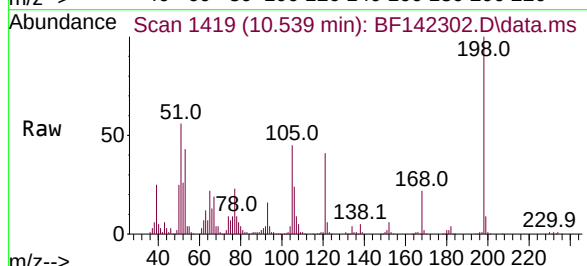
Tgt Ion:188 Resp: 67924
Ion Ratio Lower Upper
188 100
94 9.7 7.5 11.3
80 10.3 7.9 11.9

Manual Integrations
APPROVED

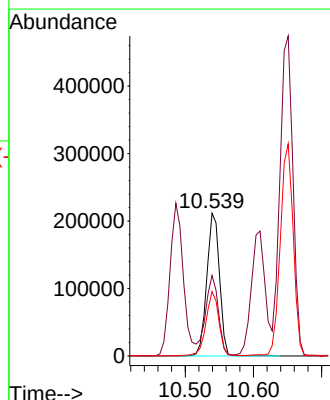
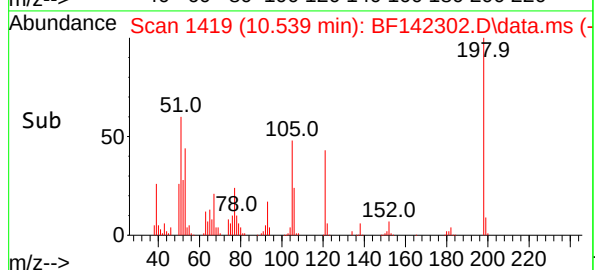
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

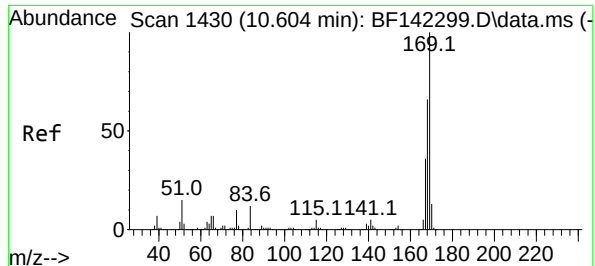


#65
4,6-Dinitro-2-methylphenol
Concen: 80.746 ng
RT: 10.539 min Scan# 1419
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15



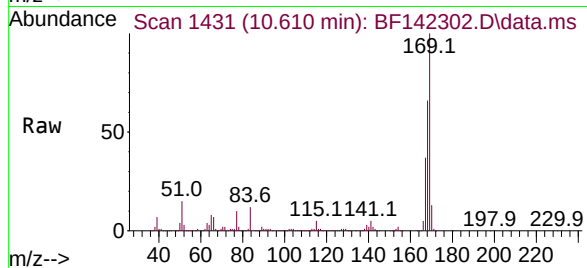
Tgt Ion:198 Resp: 273917
Ion Ratio Lower Upper
198 100
51 56.4 32.9 72.9
105 45.1 23.7 63.7





#66
n-Nitrosodiphenylamine
Concen: 73.372 ng
RT: 10.610 min Scan# 1430
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

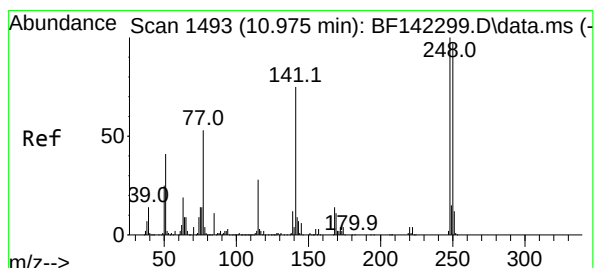
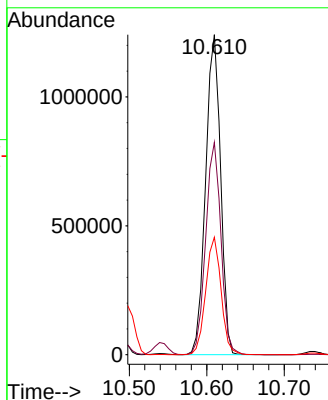
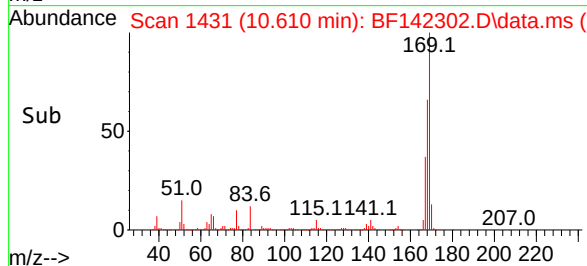
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



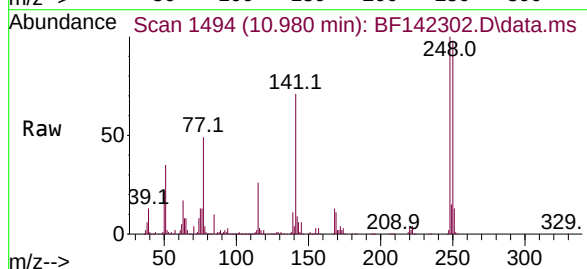
Tgt Ion:169 Resp: 1658390
Ion Ratio Lower Upper
169 100
168 66.3 53.2 79.8
167 36.7 28.9 43.3

Manual Integrations
APPROVED

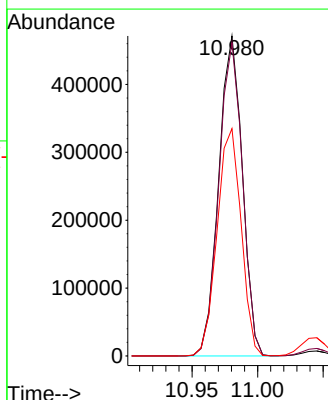
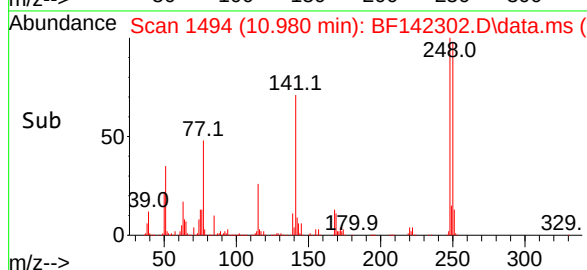
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

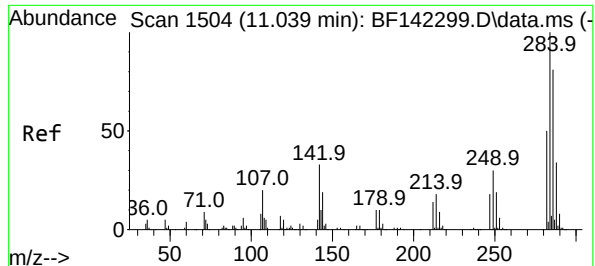


#67
4-Bromophenyl-phenylether
Concen: 76.716 ng
RT: 10.980 min Scan# 1494
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15



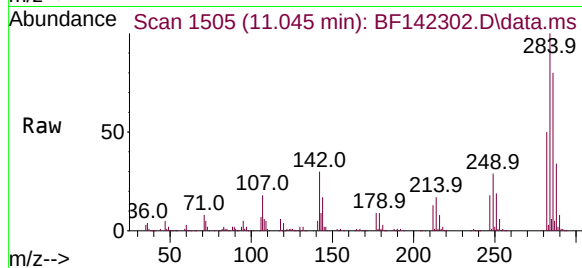
Tgt Ion:248 Resp: 590568
Ion Ratio Lower Upper
248 100
250 97.9 77.9 116.9
141 71.0 59.8 89.8





#68
Hexachlorobenzene
Concen: 76.857 ng
RT: 11.045 min Scan# 1104
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

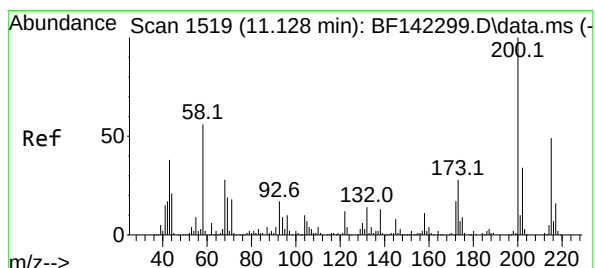
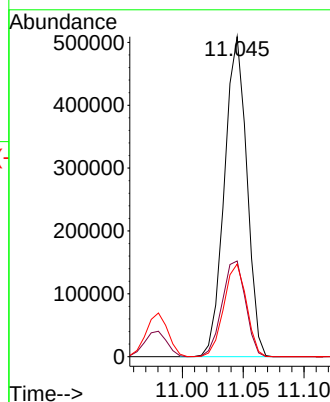
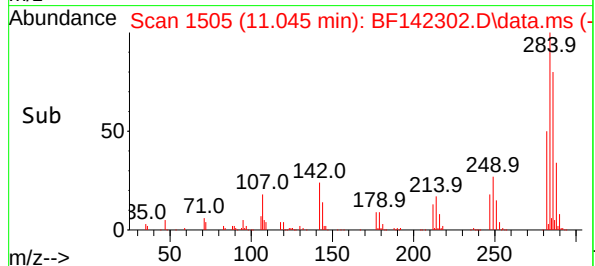
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



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

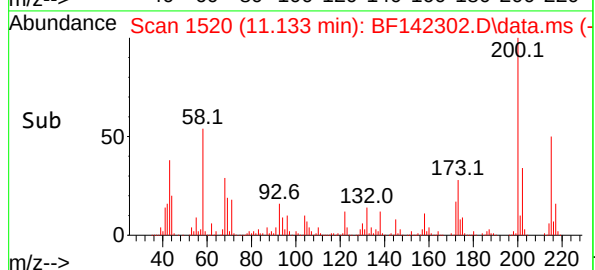
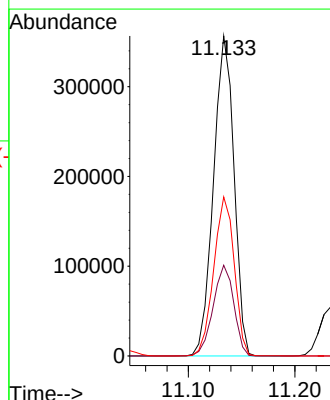
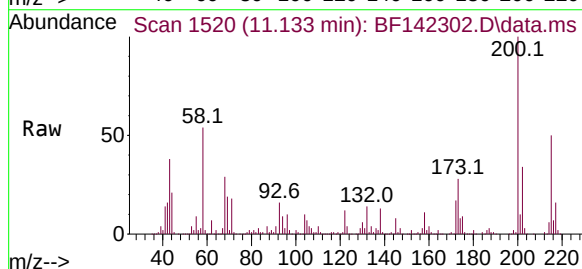
Manual Integrations
APPROVED

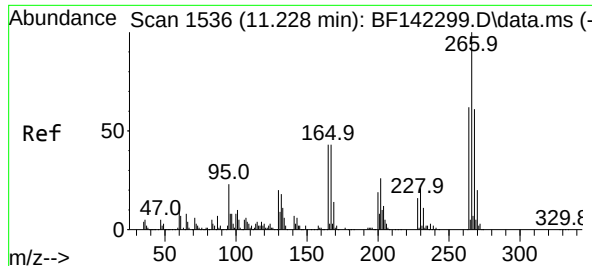
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

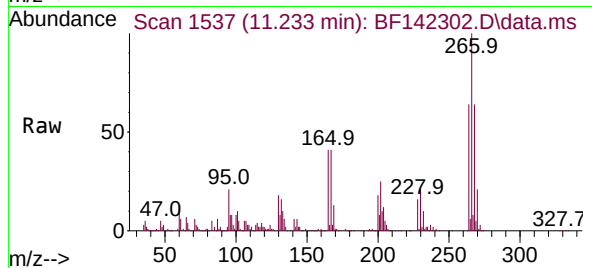
Tgt Ion:200 Resp: 476112
Ion Ratio Lower Upper
200 100
173 28.4 8.1 48.1
215 49.7 28.8 68.8





#70
Pentachlorophenol
Concen: 87.666 ng
RT: 11.233 min Scan# 1536
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

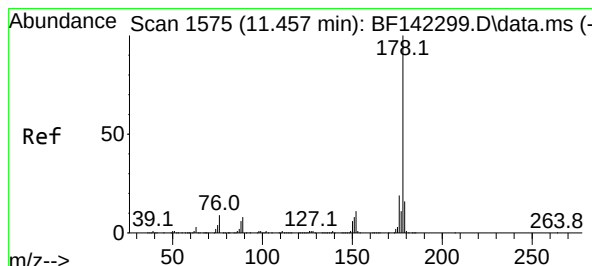
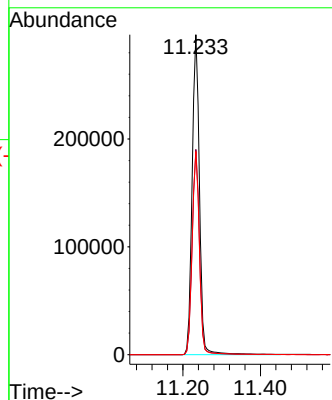
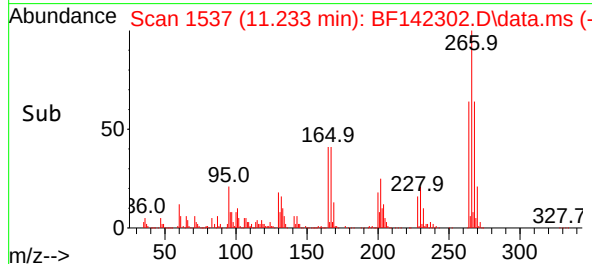
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



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

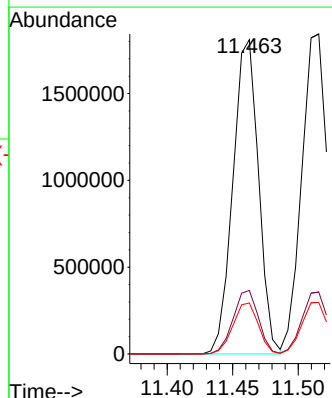
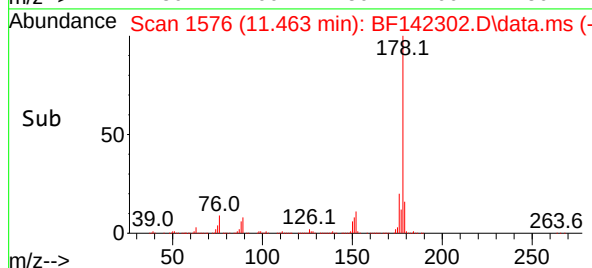
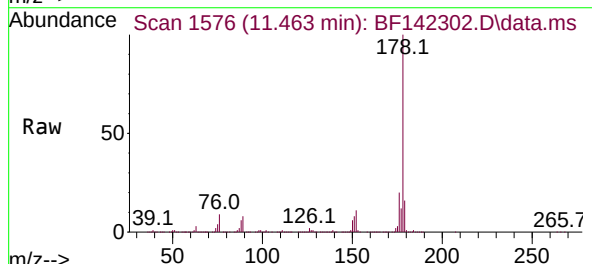
Manual Integrations
APPROVED

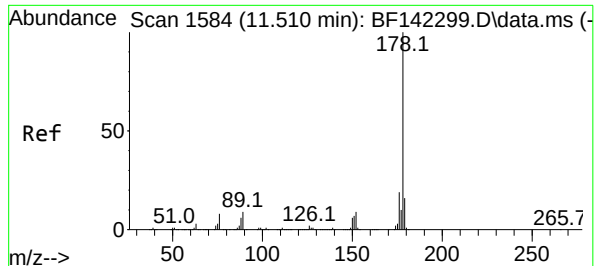
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

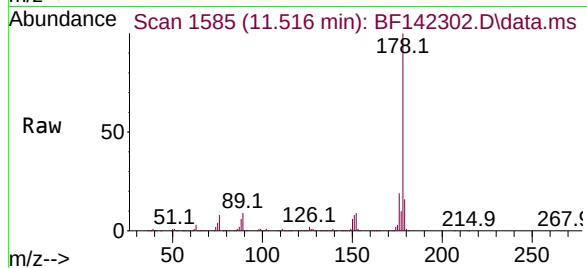
Tgt Ion:178 Resp: 2460275
Ion Ratio Lower Upper
178 100
176 20.2 15.5 23.3
179 16.2 12.6 18.8





#72
Anthracene
Concen: 68.834 ng
RT: 11.516 min Scan# 11516
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

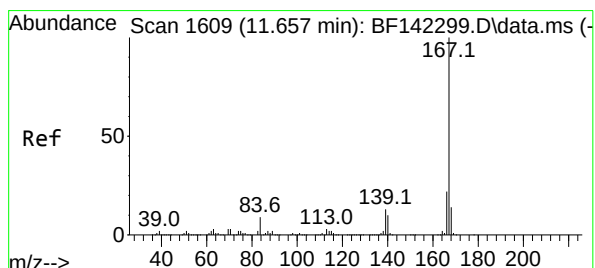
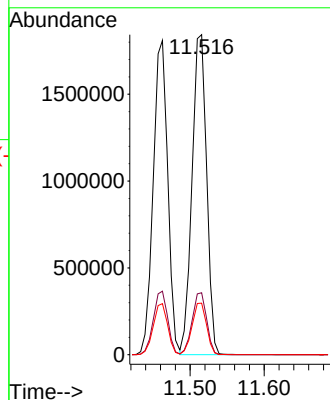
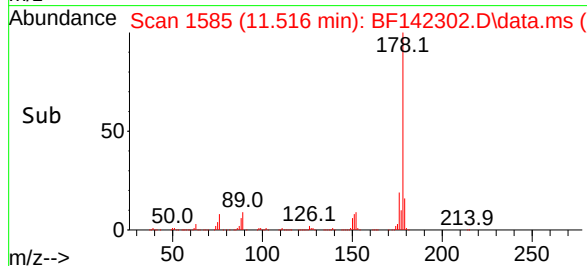
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:178 Resp: 251816
Ion Ratio Lower Upper
178 100
176 19.3 15.3 22.9
179 16.1 12.6 18.8

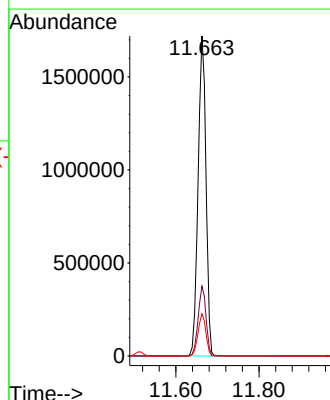
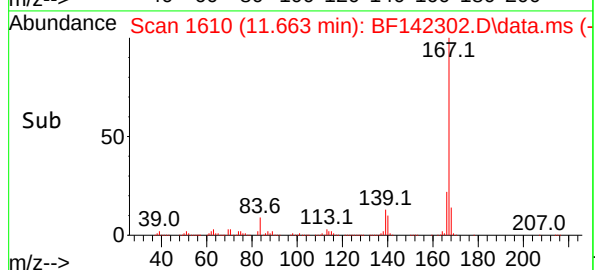
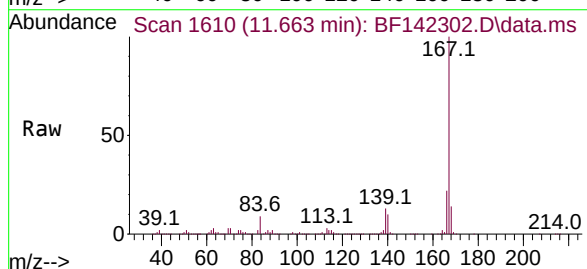
Manual Integrations
APPROVED

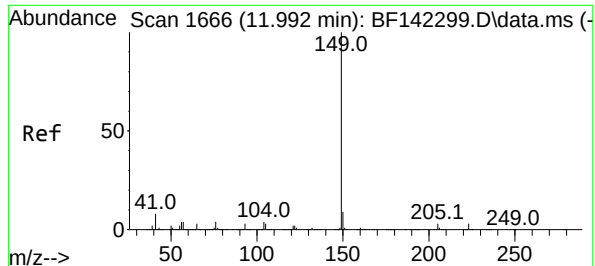
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

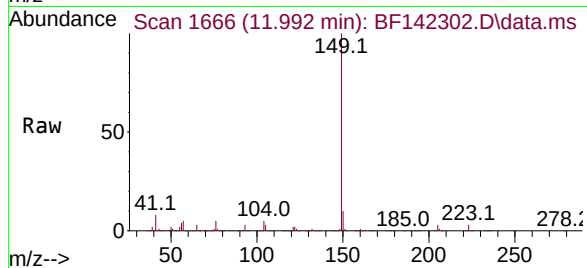
Tgt Ion:167 Resp: 2274167
Ion Ratio Lower Upper
167 100
166 21.8 17.2 25.8
139 13.2 10.3 15.5





#74
Di-n-butylphthalate
Concen: 73.060 ng
RT: 11.992 min Scan# 1666
Delta R.T. -0.000 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

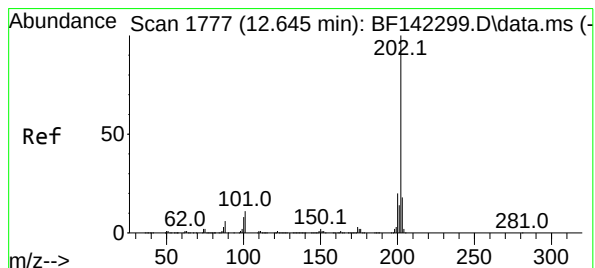
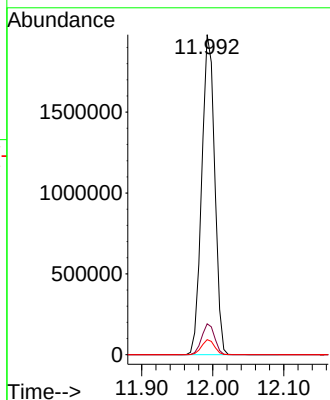
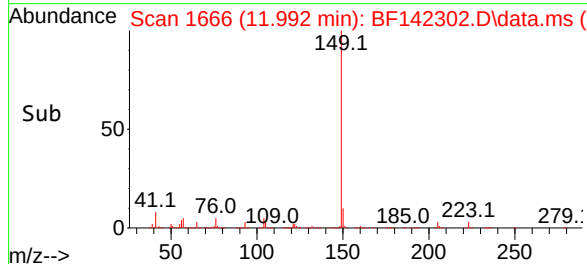
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



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

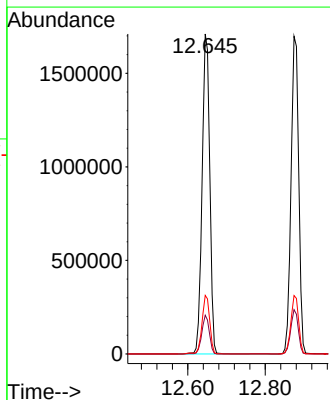
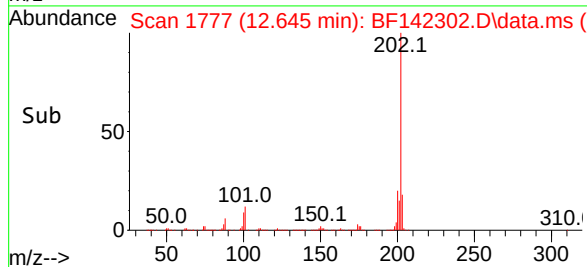
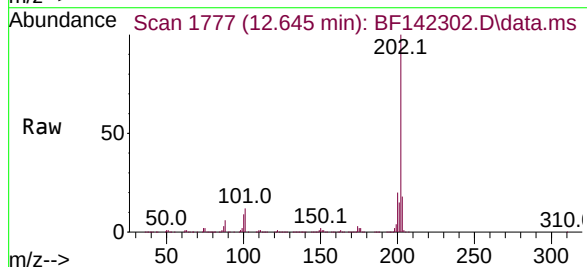
Manual Integrations
APPROVED

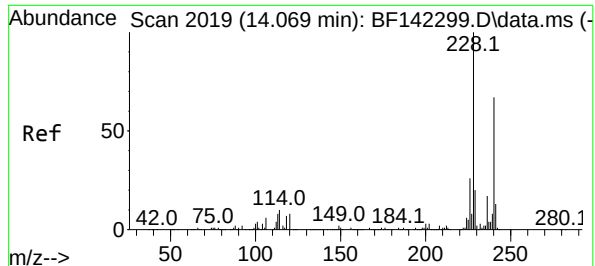
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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# 2019

Delta R.T. 0.006 min

Lab File: BF142302.D

Acq: 05 May 2025 17:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:240 Resp: 373928

Ion Ratio Lower Upper

240 100

120 12.2 9.7 14.5

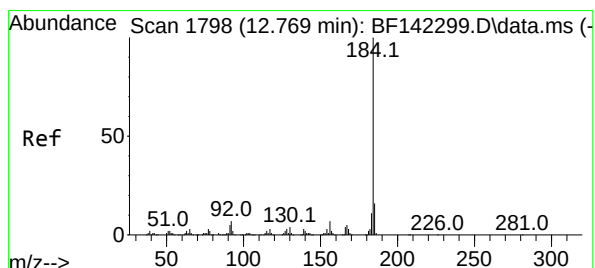
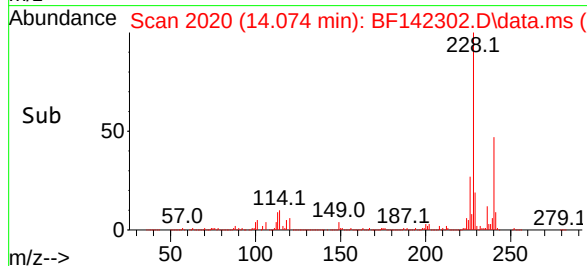
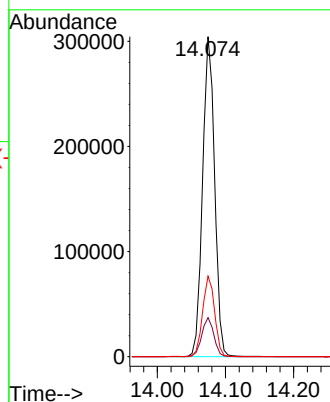
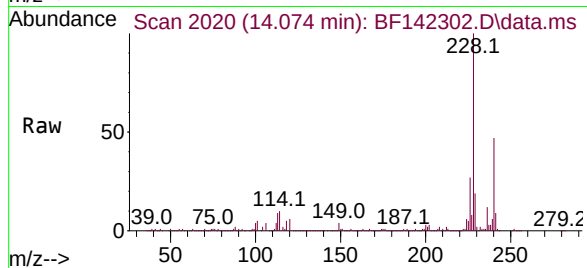
236 25.2 20.0 30.0

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

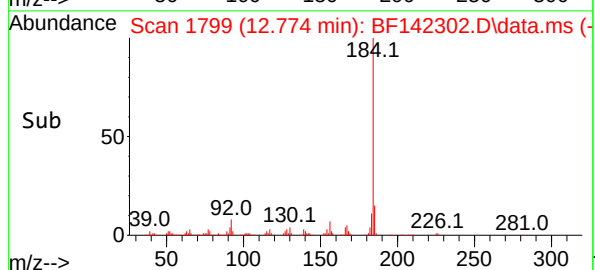
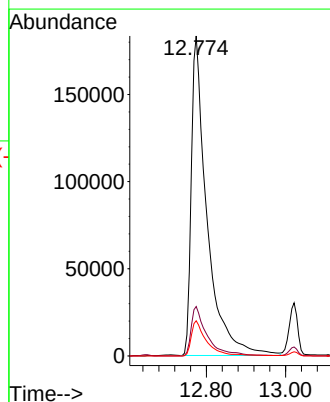
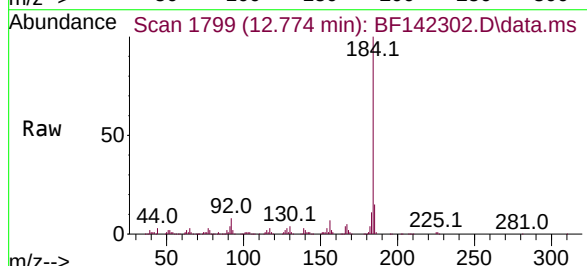
Tgt Ion:184 Resp: 504643

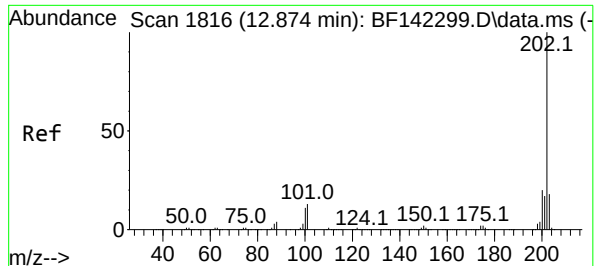
Ion Ratio Lower Upper

184 100

185 15.5 12.6 18.8

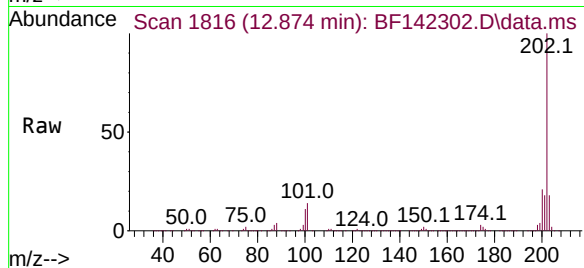
183 11.0 8.6 12.8





#78
Pyrene
Concen: 69.874 ng
RT: 12.874 min Scan# 1816
Delta R.T. -0.000 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

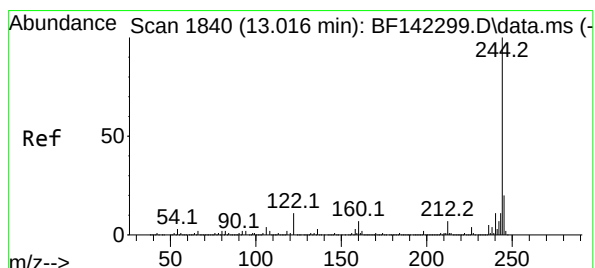
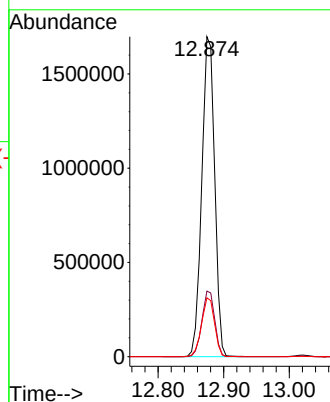
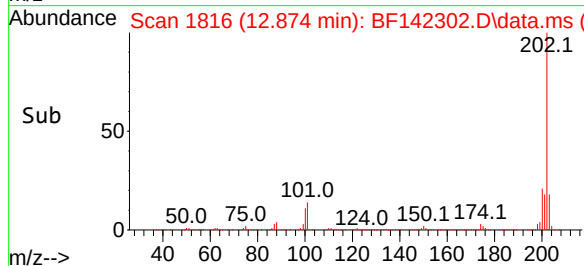
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:202 Resp: 232563
Ion Ratio Lower Upper
202 100
200 20.5 16.2 24.4
203 18.4 14.3 21.5

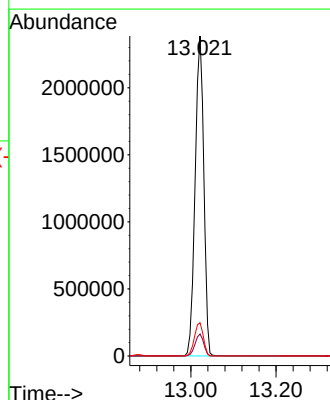
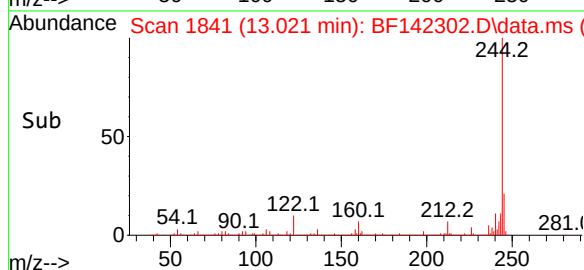
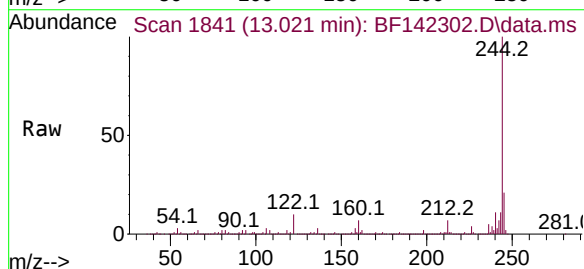
Manual Integrations
APPROVED

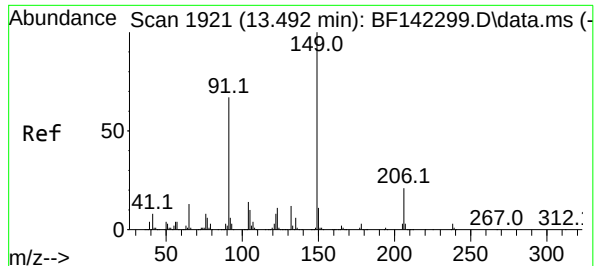
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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# 1921

Delta R.T. -0.000 min

Lab File: BF142302.D

Acq: 05 May 2025 17:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

Tgt Ion:149 Resp: 78821

Ion Ratio Lower Upper

149 100

91 67.9 53.8 80.6

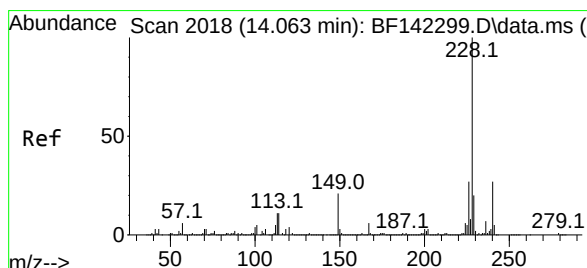
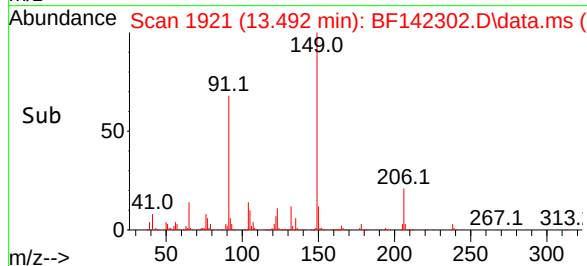
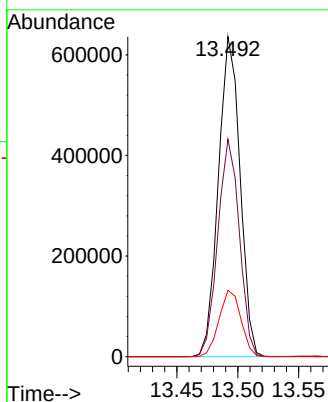
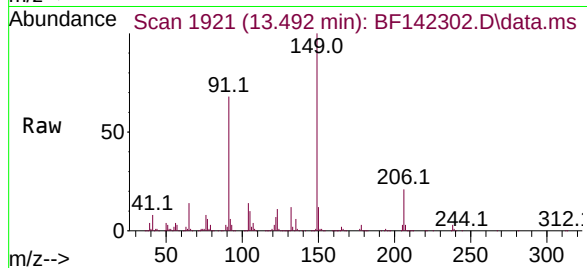
206 20.8 16.6 24.8

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

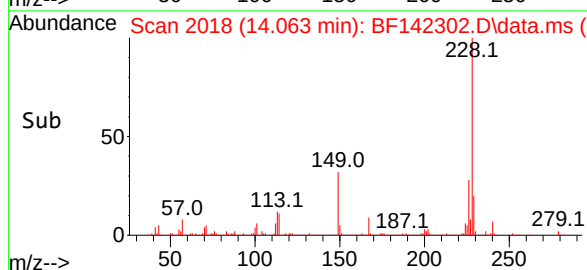
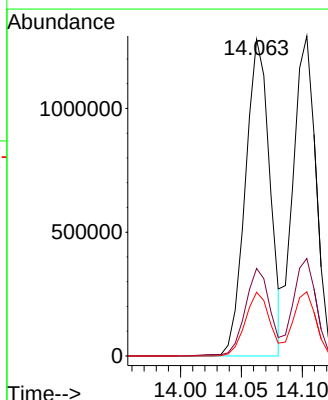
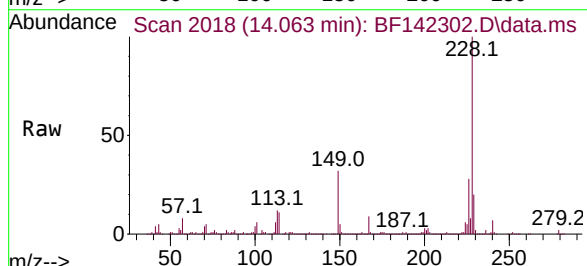
Tgt Ion:228 Resp: 1782801

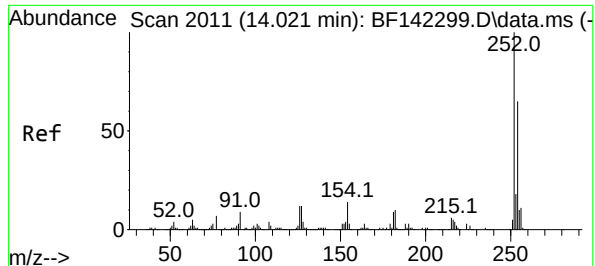
Ion Ratio Lower Upper

228 100

226 27.7 21.5 32.3

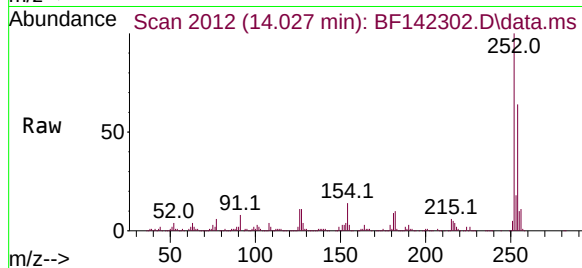
229 20.1 15.9 23.9





#82
3,3'-Dichlorobenzidine
Concen: 84.217 ng
RT: 14.027 min Scan# 2011
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

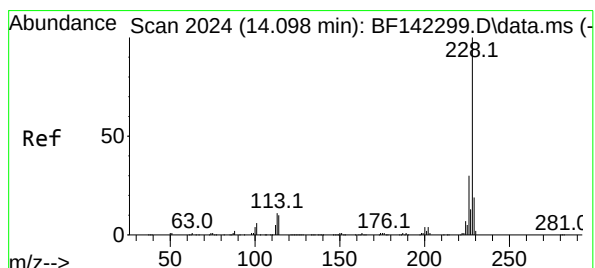
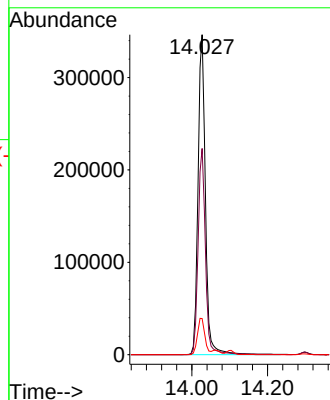
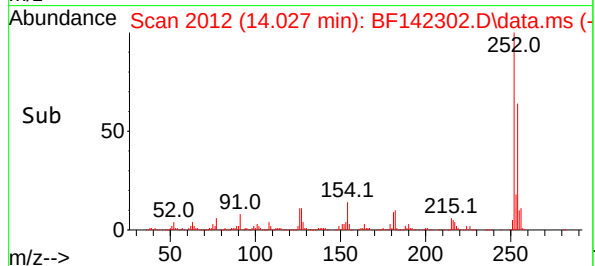
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



Tgt Ion:252 Resp: 47426
Ion Ratio Lower Upper
252 100
254 64.5 52.0 78.0
126 11.3 9.7 14.5

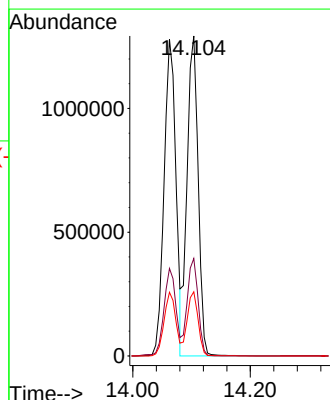
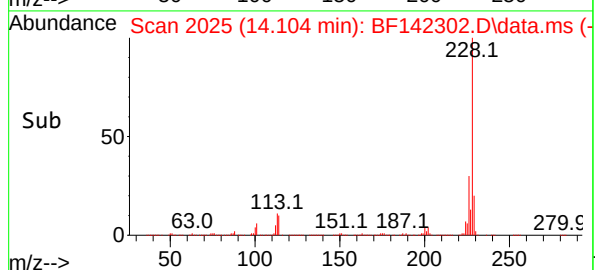
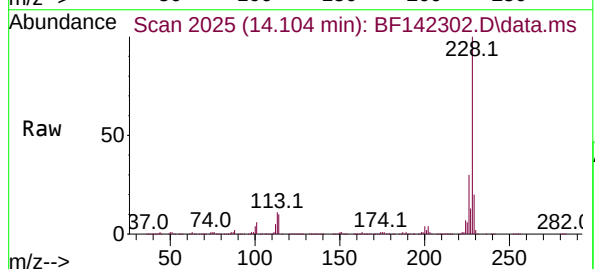
Manual Integrations
APPROVED

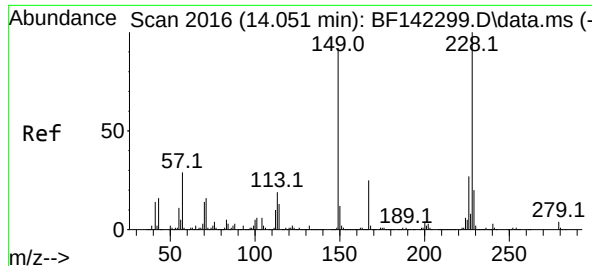
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

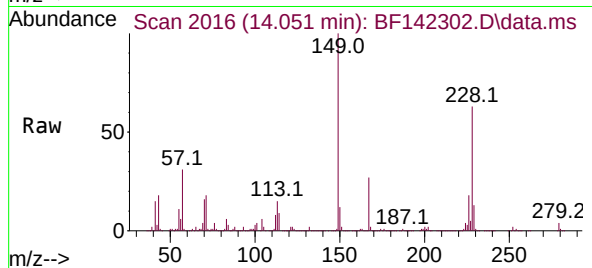
Tgt Ion:228 Resp: 1687889
Ion Ratio Lower Upper
228 100
226 30.4 23.9 35.9
229 20.0 15.4 23.2





#84
Bis(2-ethylhexyl)phthalate
Concen: 79.404 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.000 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

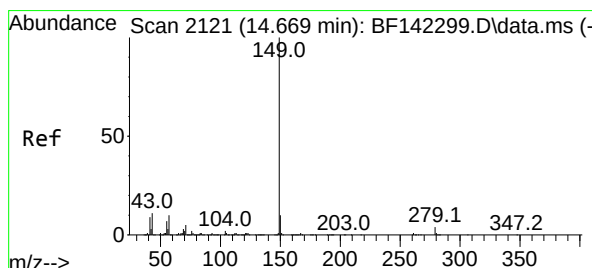
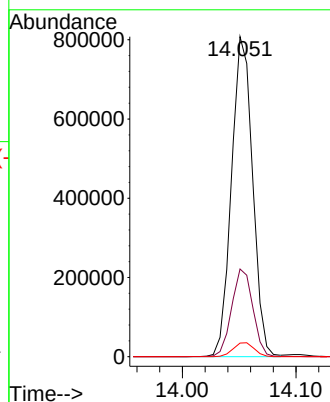
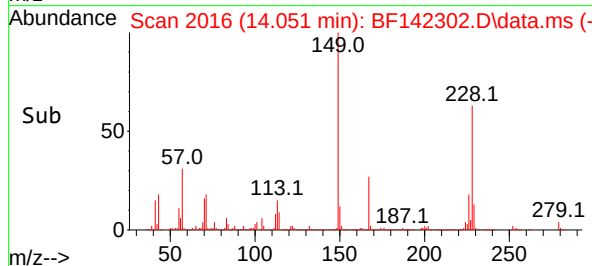
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



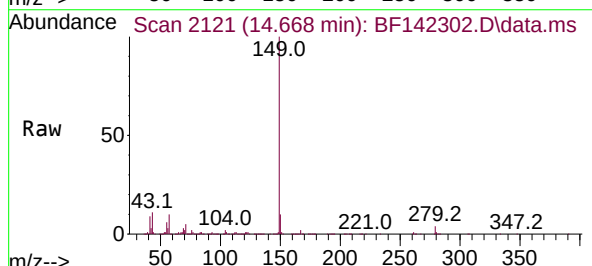
Tgt Ion:149 Resp: 1042840
Ion Ratio Lower Upper
149 100
167 27.4 22.0 33.0
279 4.2 3.0 4.6

Manual Integrations
APPROVED

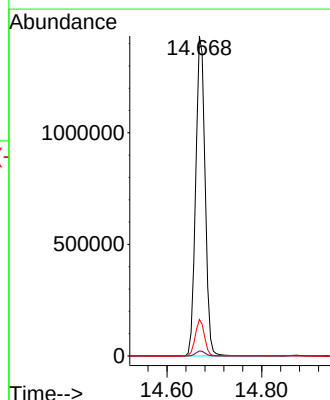
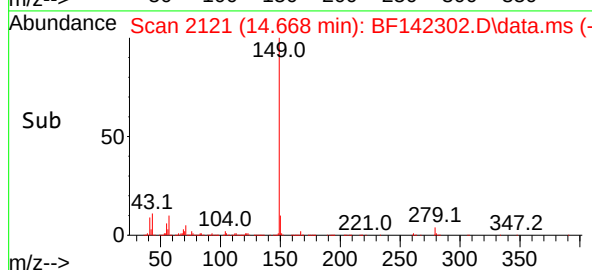
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

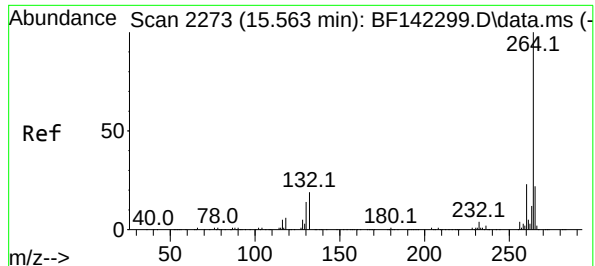


#85
Di-n-octyl phthalate
Concen: 80.100 ng
RT: 14.668 min Scan# 2121
Delta R.T. -0.001 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15



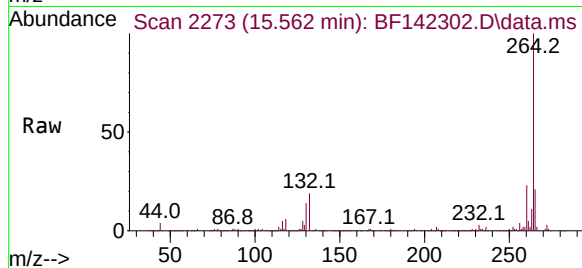
Tgt Ion:149 Resp: 1969676
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 11.3 9.2 13.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 15.562 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

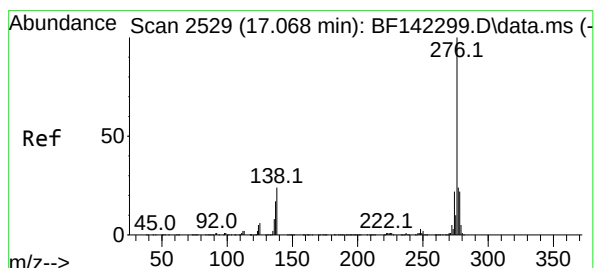
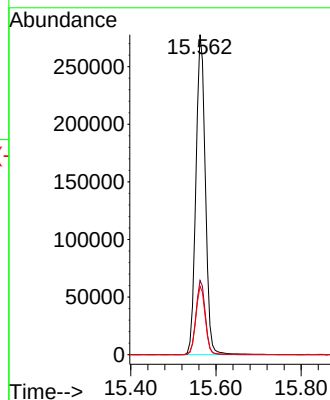
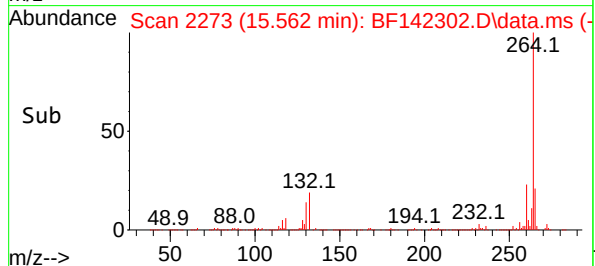
Instrument :
BNA_F
ClientSampleId :
SSTDICC080



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

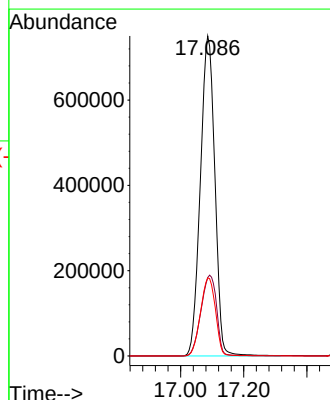
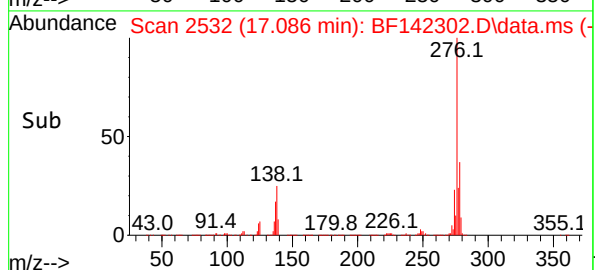
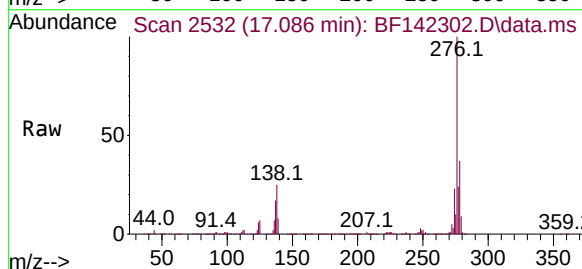
Manual Integrations
APPROVED

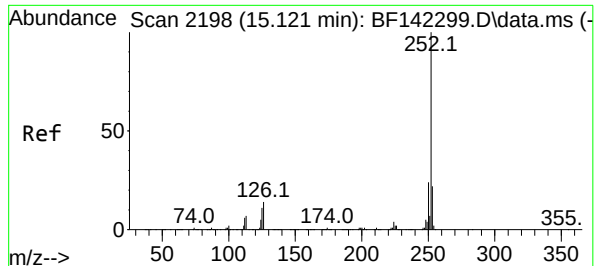
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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# 2198

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: 1972749

Ion Ratio Lower Upper

252 100

253 22.3 17.7 26.5

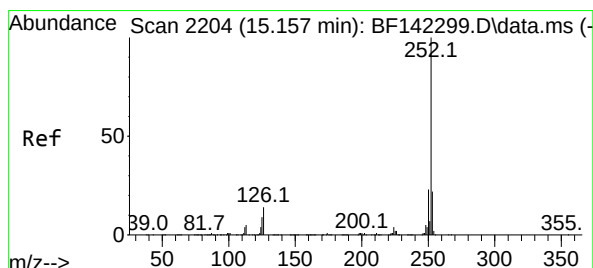
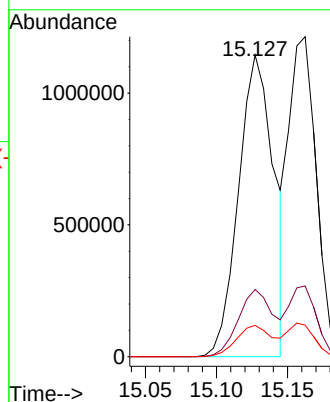
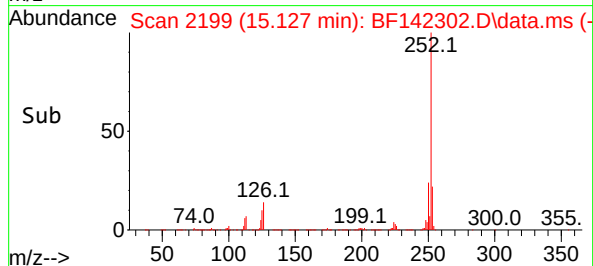
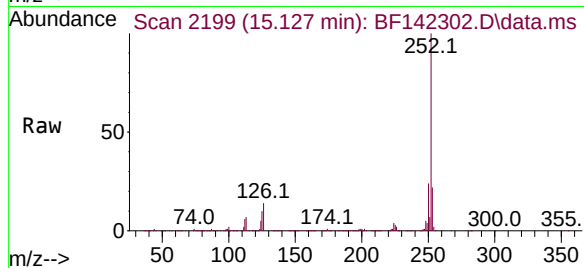
125 10.4 8.7 13.1

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

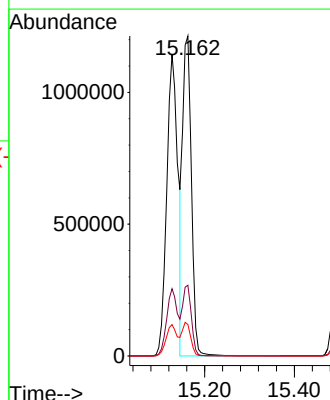
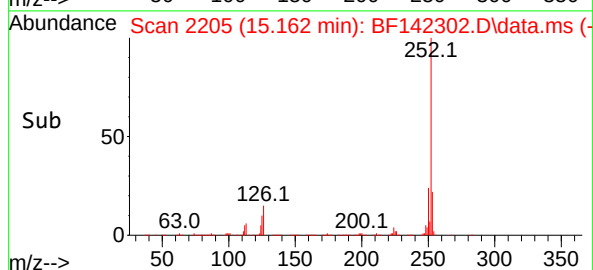
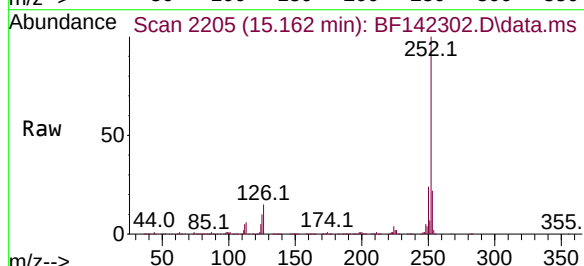
Tgt Ion:252 Resp: 1653244

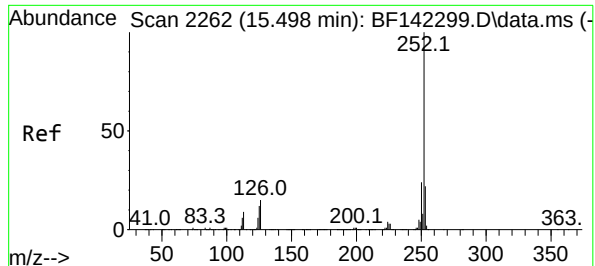
Ion Ratio Lower Upper

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# 21

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: 1797979

Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.6

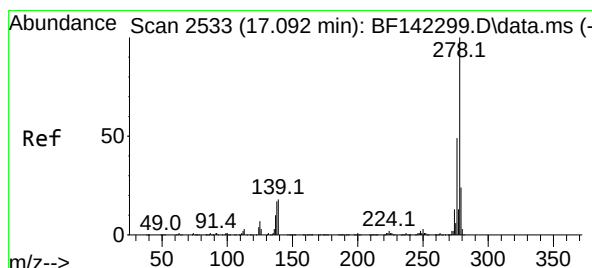
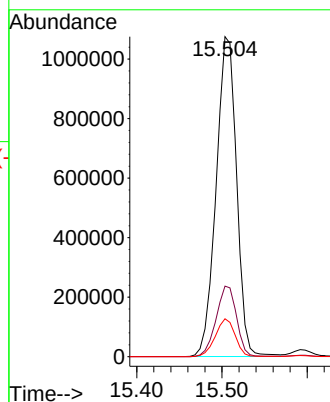
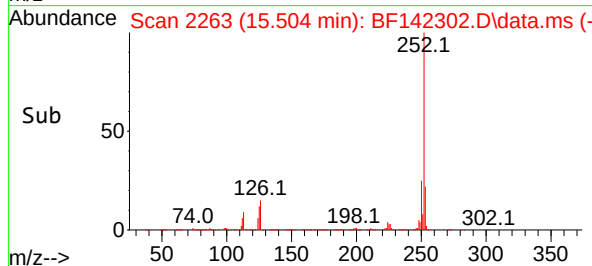
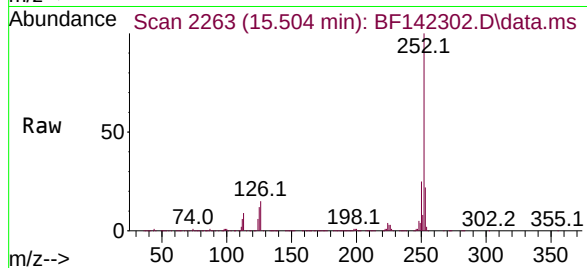
125 11.9 9.4 14.0

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

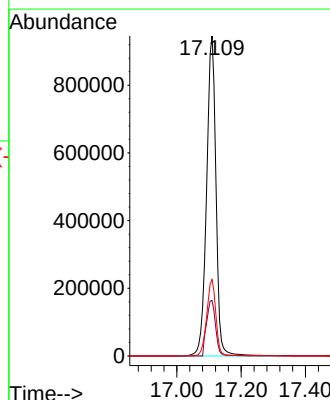
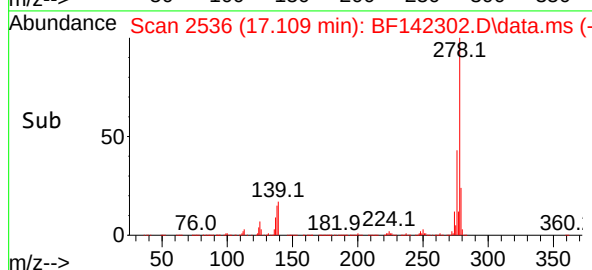
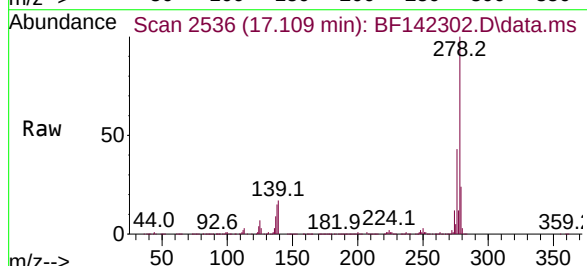
Tgt Ion:278 Resp: 1926135

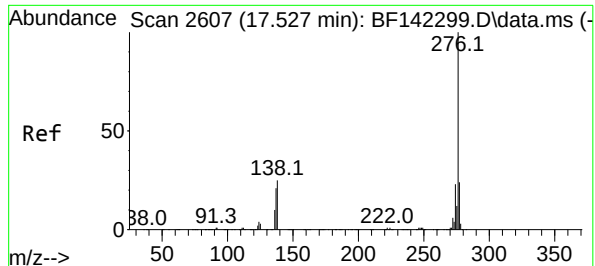
Ion Ratio Lower Upper

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# 20

Delta R.T. 0.023 min

Lab File: BF142302.D

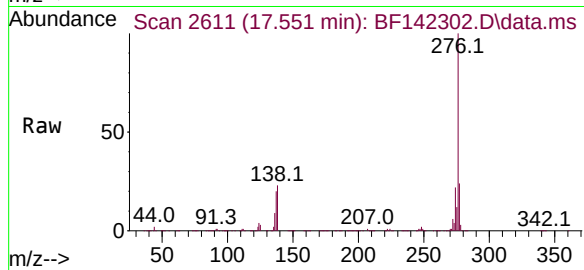
Acq: 05 May 2025 17:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC080



Tgt Ion:276 Resp: 195112

Ion Ratio Lower Upper

276 100

277 23.8 19.0 28.6

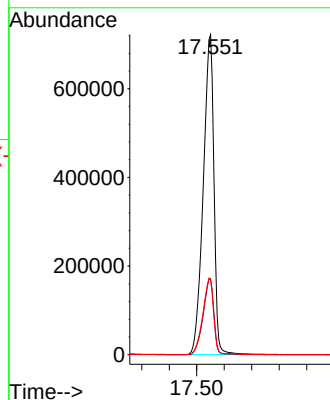
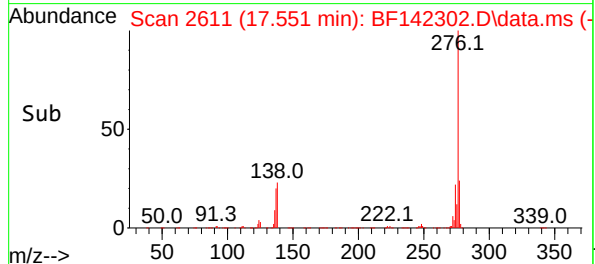
138 23.4 19.8 29.6

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

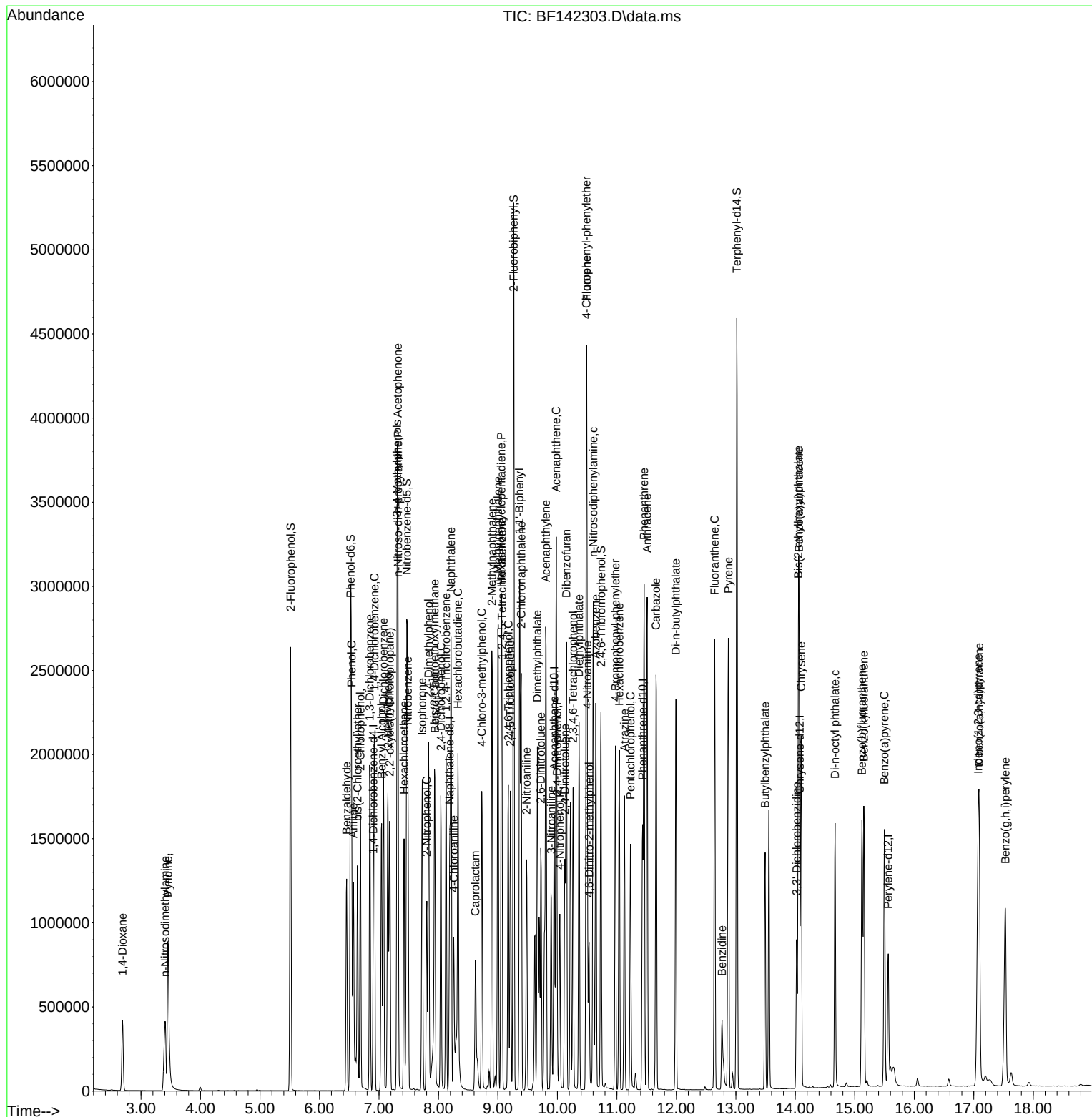
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
Data File : BF142303.D
Acq On : 05 May 2025 18:13
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 11 Sample Multiplier: 1

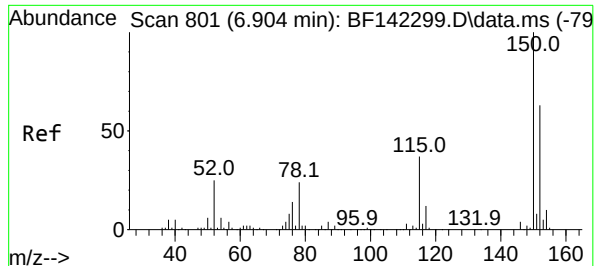
Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Manual Integrations APPROVED

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

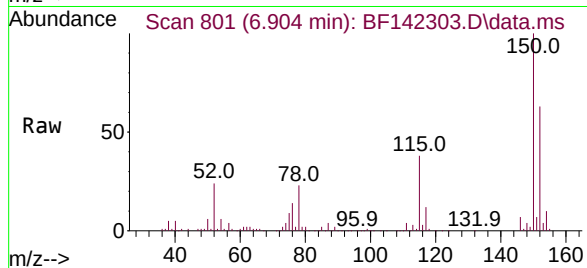
Quant Time: May 05 18:41:57 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

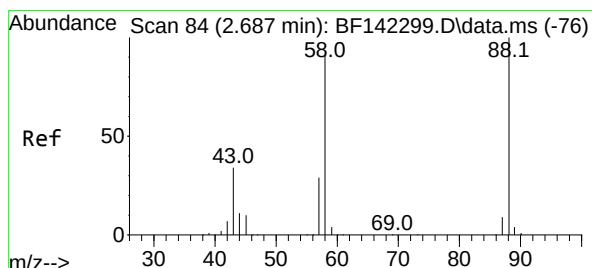
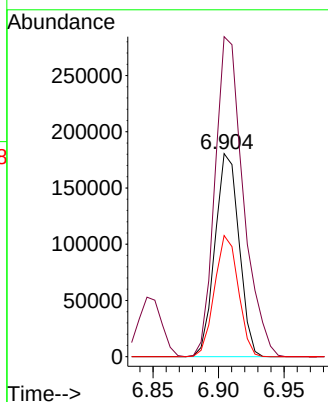
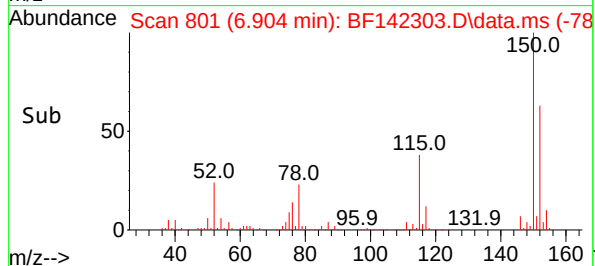
Instrument :
BNA_F
ClientSampleId :
ICVBF050525



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

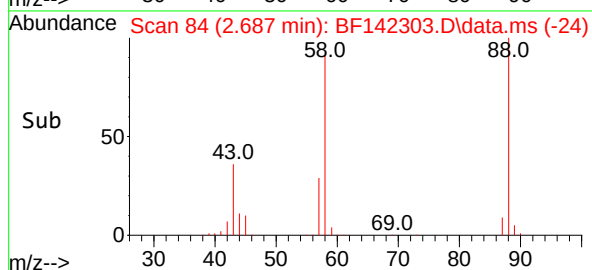
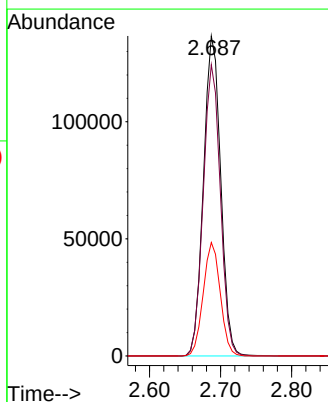
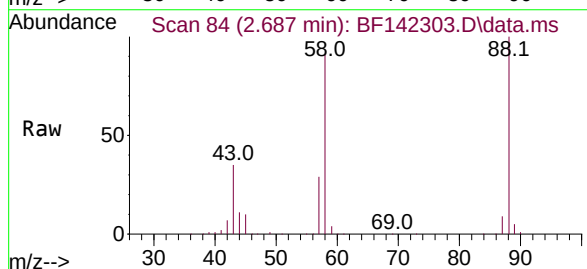
Manual Integrations
APPROVED

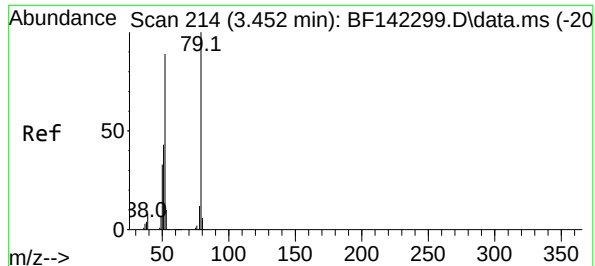
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

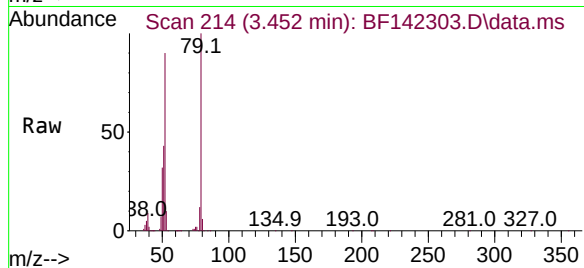
Tgt Ion: 88 Resp: 231020
Ion Ratio Lower Upper
88 100
58 90.4 73.0 109.4
43 35.1 27.8 41.6





#3
Pyridine
Concen: 40.992 ng
RT: 3.452 min Scan# 214
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

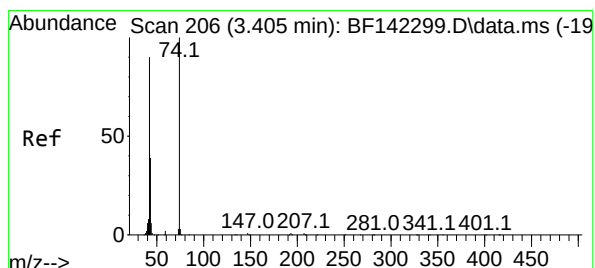
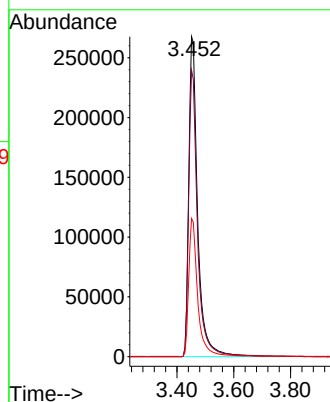
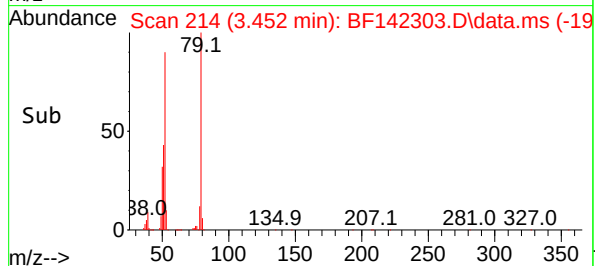
Instrument :
BNA_F
ClientSampleId :
ICVBF050525



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

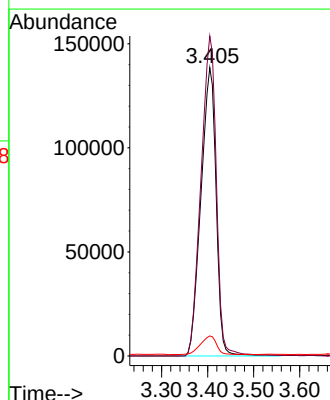
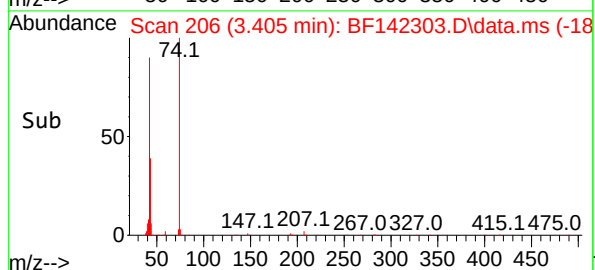
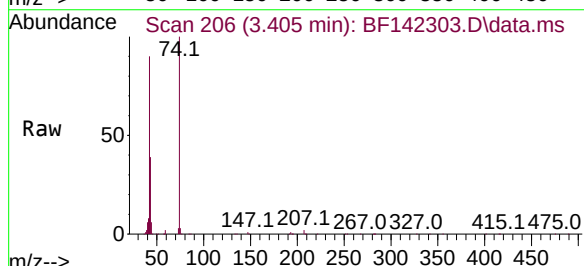
Manual Integrations
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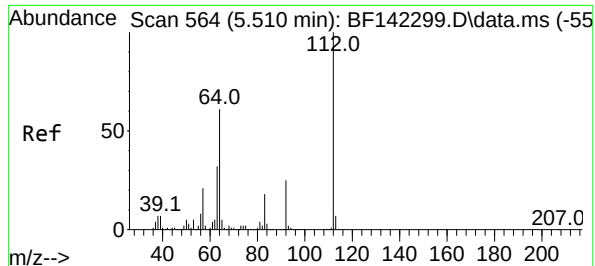
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

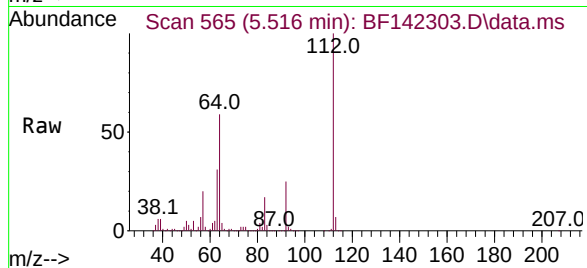
Tgt Ion: 42 Resp: 317717
Ion Ratio Lower Upper
42 100
74 111.0 88.5 132.7
44 6.9 5.8 8.8





#5
2-Fluorophenol
Concen: 77.026 ng
RT: 5.516 min Scan# 50
Delta R.T. 0.006 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

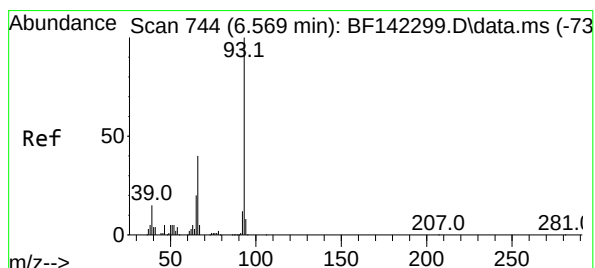
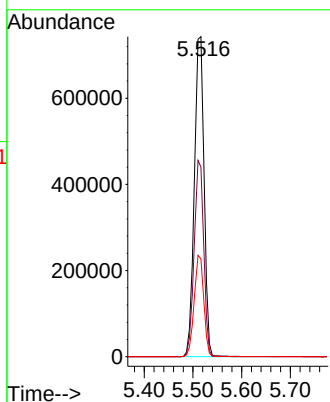
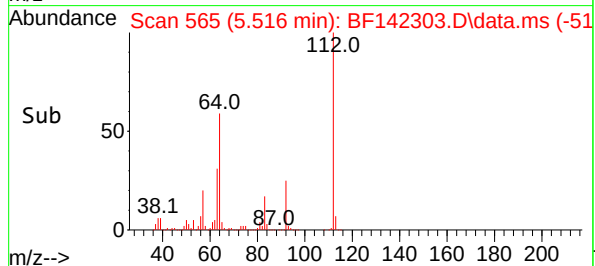
Instrument :
BNA_F
ClientSampleId :
ICVBF050525



Tgt Ion:112 Resp: 1038600
Ion Ratio Lower Upper
112 100
64 59.2 48.9 73.3
63 30.6 25.6 38.4

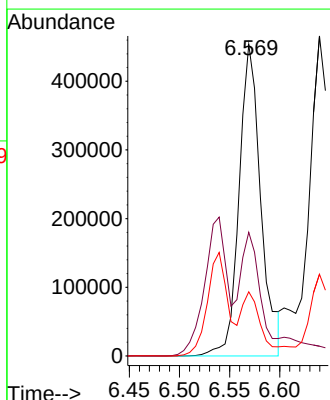
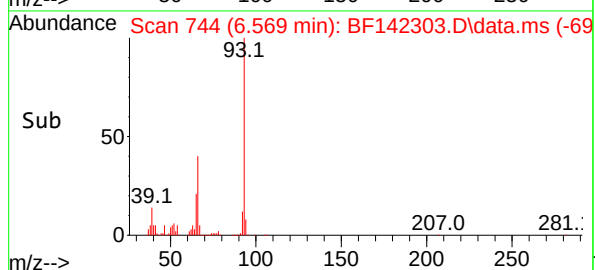
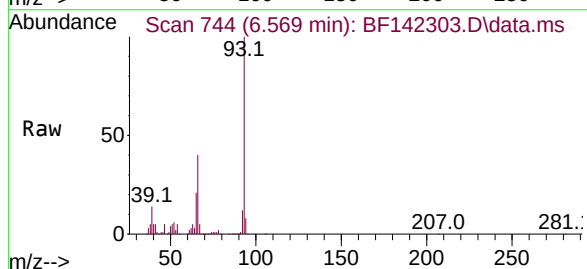
Manual Integrations
APPROVED

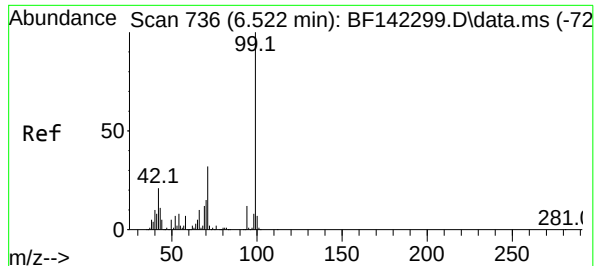
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

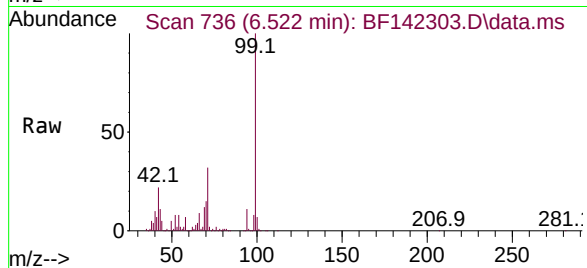
Tgt Ion: 93 Resp: 686015
Ion Ratio Lower Upper
93 100
66 39.7 32.2 48.4
65 20.6 16.3 24.5





#7
Phenol-d6
Concen: 76.429 ng
RT: 6.522 min Scan# 736
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

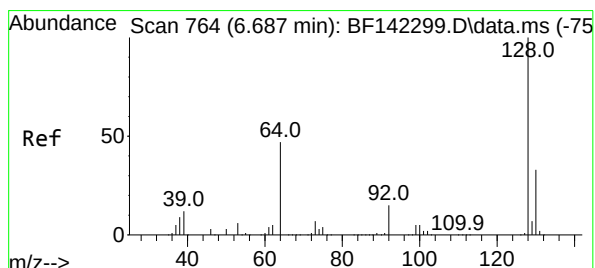
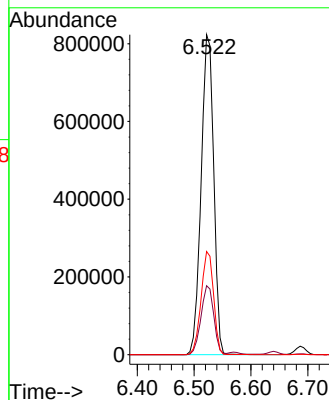
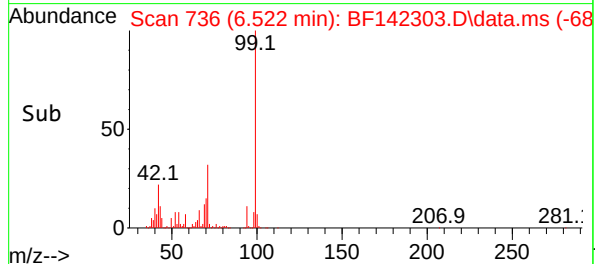
Instrument :
BNA_F
ClientSampleId :
ICVBF050525



Tgt Ion: 99 Resp: 1267510
Ion Ratio Lower Upper
99 100
42 21.6 17.0 25.4
71 32.2 25.8 38.8

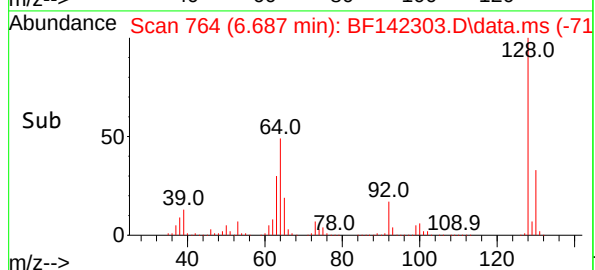
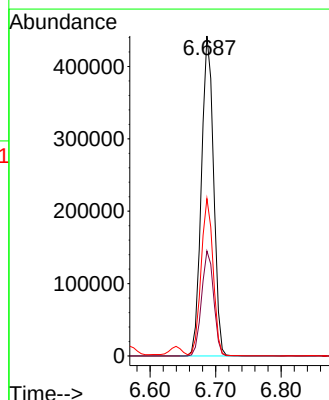
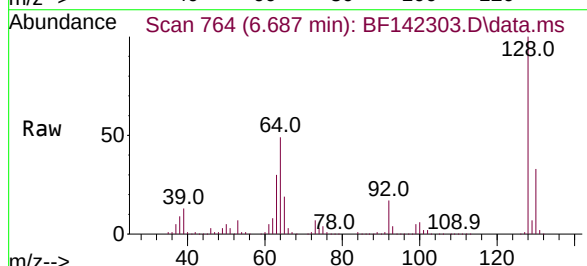
Manual Integrations
APPROVED

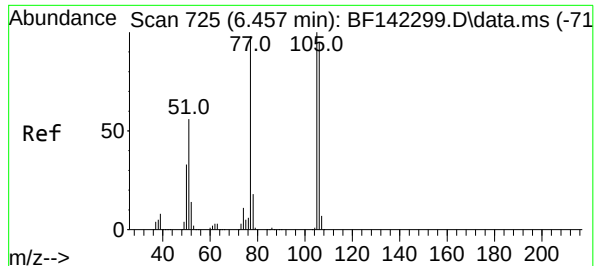
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

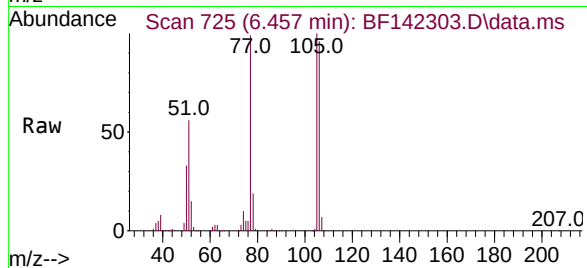
Tgt Ion:128 Resp: 572045
Ion Ratio Lower Upper
128 100
130 32.8 12.7 52.7
64 49.2 29.2 69.2





#9
Benzaldehyde
Concen: 34.048 ng
RT: 6.457 min Scan# 725
Delta R.T. 0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

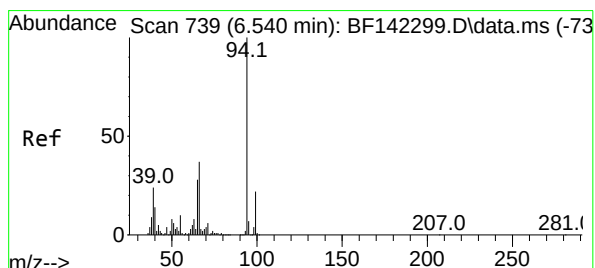
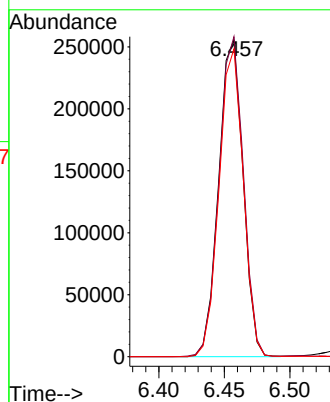
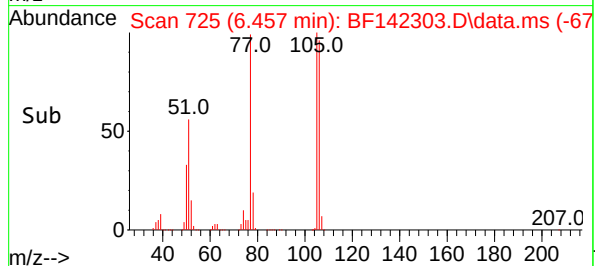
Instrument :
BNA_F
ClientSampleId :
ICVBF050525



Tgt Ion: 77 Resp: 330470
Ion Ratio Lower Upper
77 100
105 101.1 82.0 122.0
106 97.2 77.2 117.2

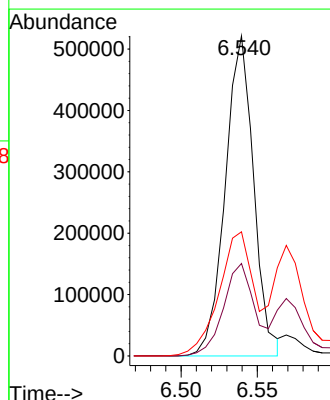
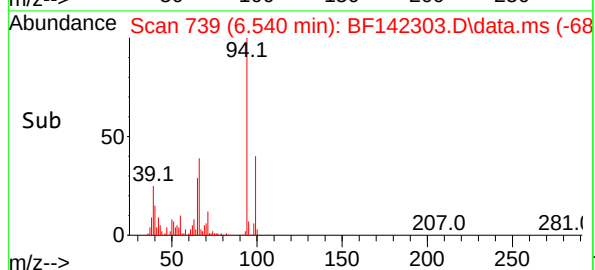
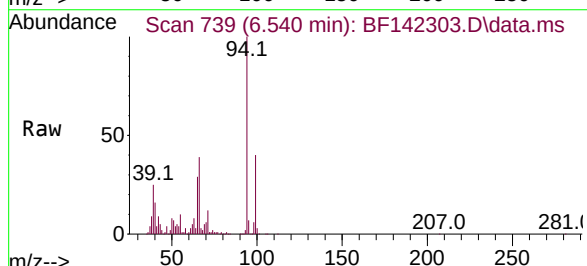
Manual Integrations
APPROVED

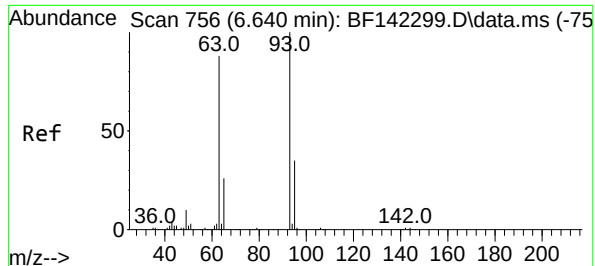
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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





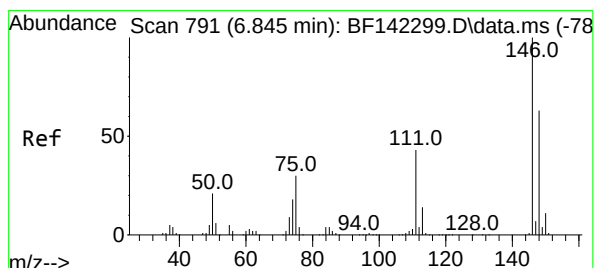
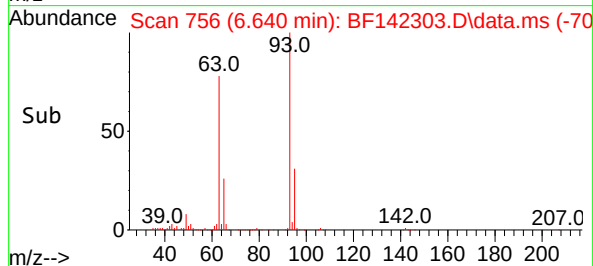
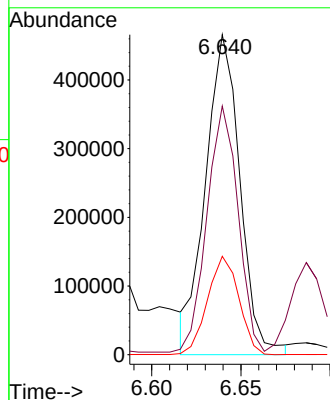
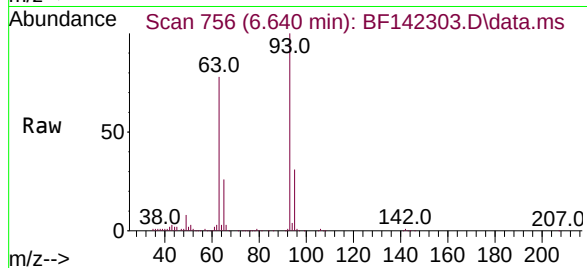
#11
bis(2-Chloroethyl)ether
Concen: 36.030 ng m
RT: 6.640 min Scan# 756
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Tgt Ion: 93 Resp: 62460
Ion Ratio Lower Upper
93 100
63 77.7 58.4 98.4
95 30.8 10.6 50.6

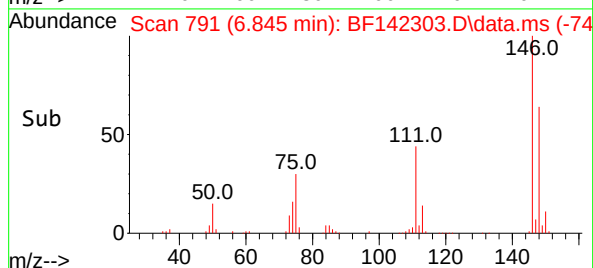
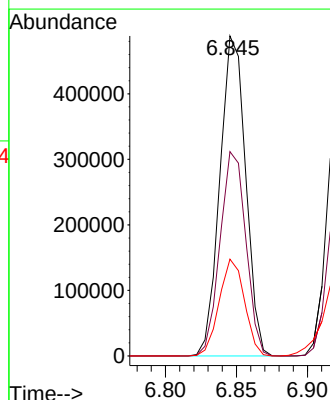
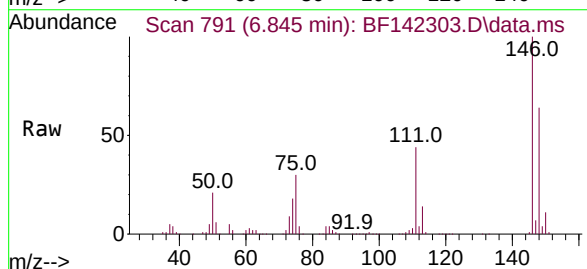
Manual Integrations
APPROVED

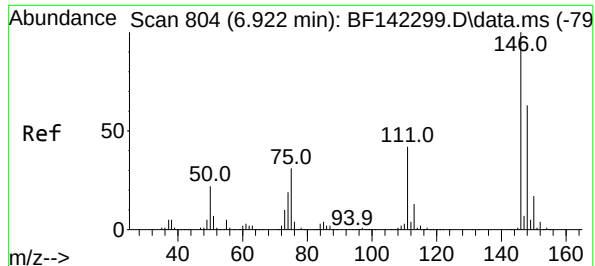
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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# 804

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: 623670

Ion Ratio Lower Upper

146 100

148 63.5 50.5 75.7

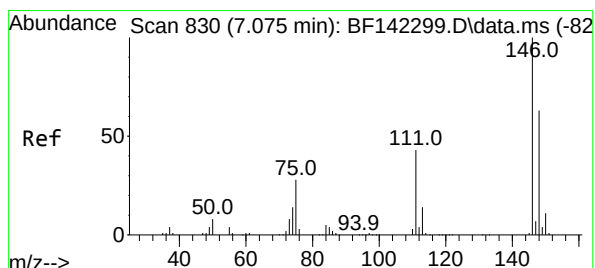
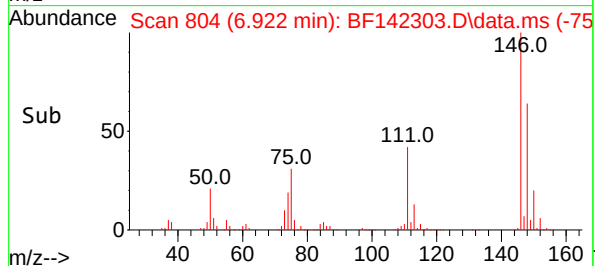
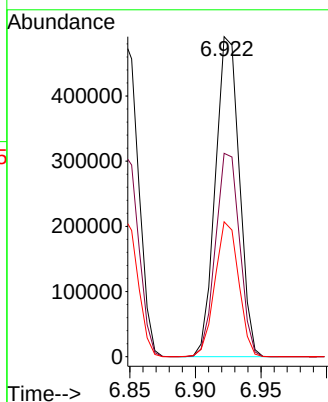
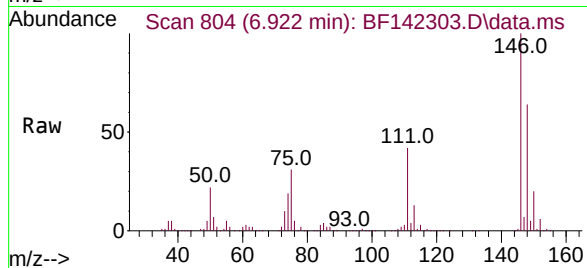
111 42.1 33.4 50.2

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

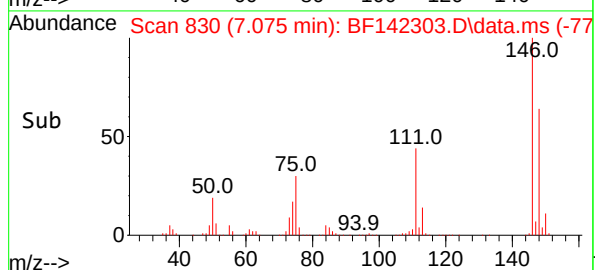
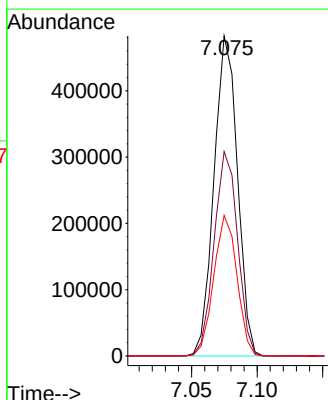
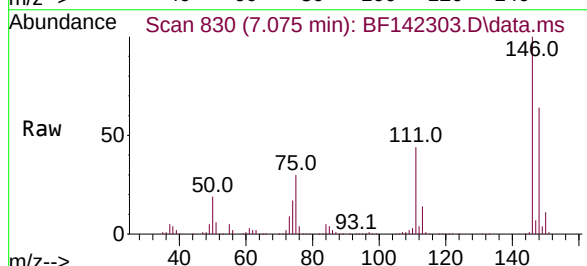
Tgt Ion:146 Resp: 600086

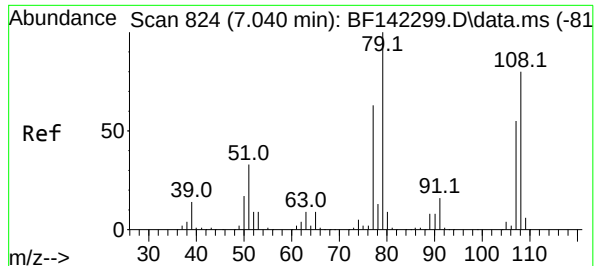
Ion Ratio Lower Upper

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# 81

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: 43633

Ion Ratio Lower Upper

79 100

108 81.6 63.9 95.9

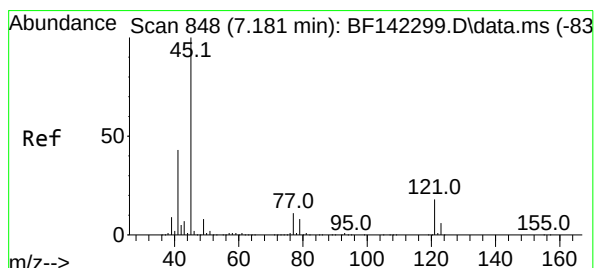
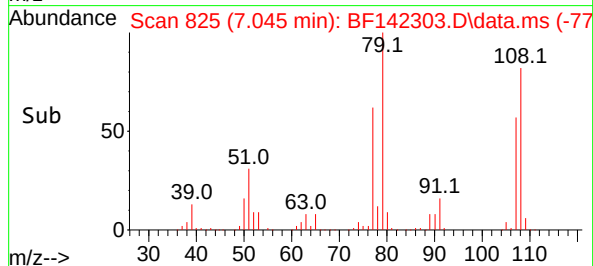
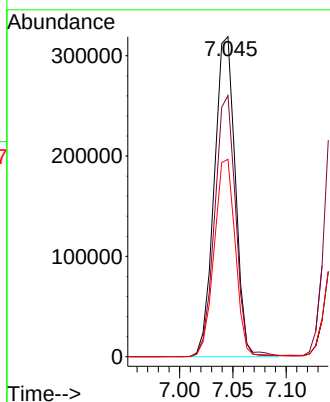
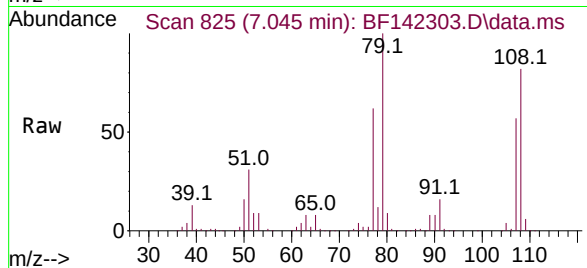
77 61.7 50.7 76.1

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

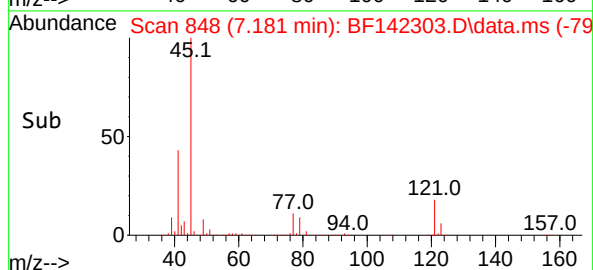
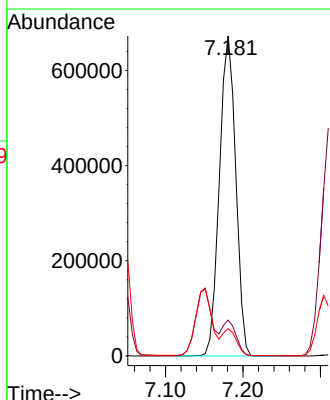
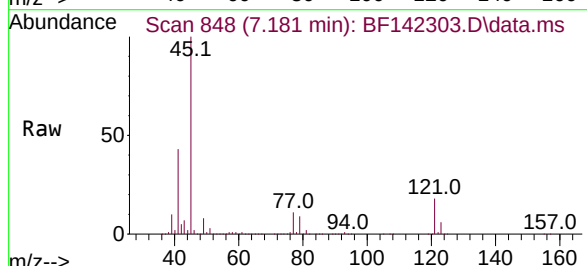
Tgt Ion: 45 Resp: 983896

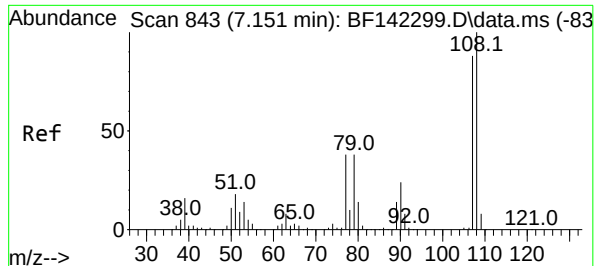
Ion Ratio Lower Upper

45 100

77 11.2 0.0 31.2

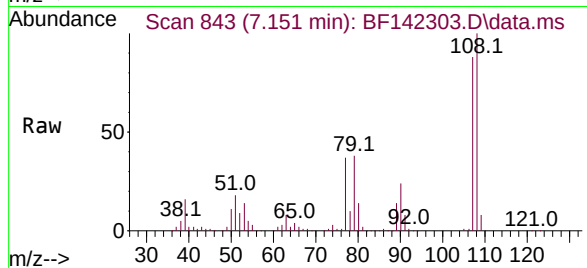
79 8.6 0.0 28.5





#17
2-Methylphenol
Concen: 38.961 ng
RT: 7.151 min Scan# 843
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

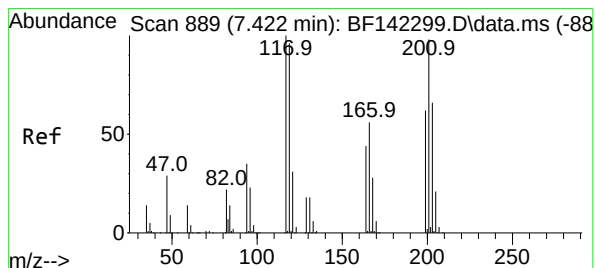
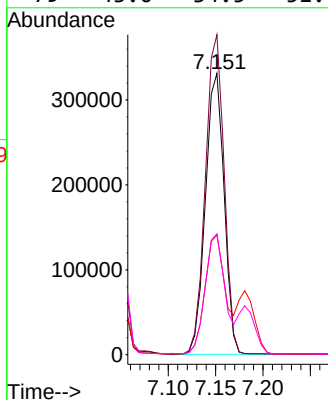
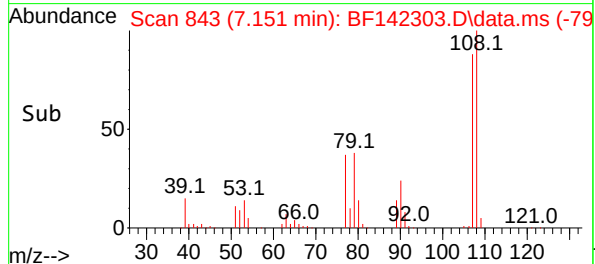
Instrument :
BNA_F
ClientSampleId :
ICVBF050525



Tgt Ion:107 Resp: 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

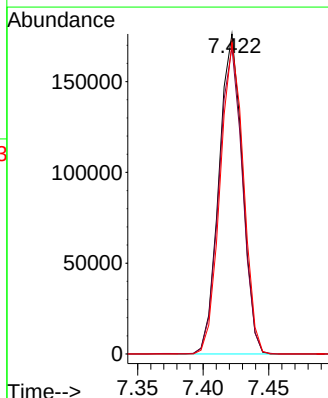
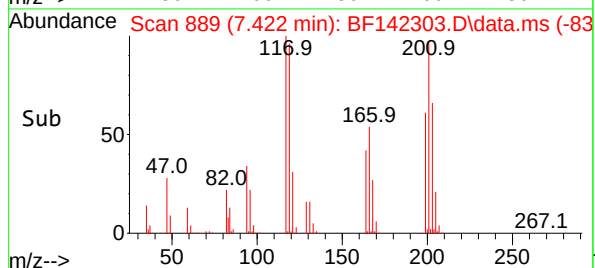
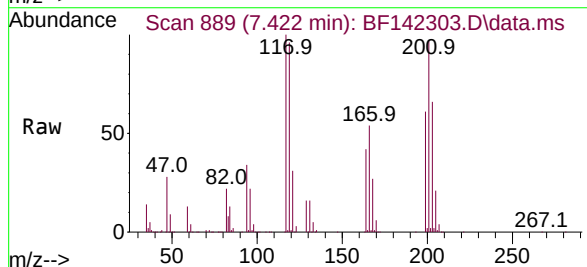
Manual Integrations
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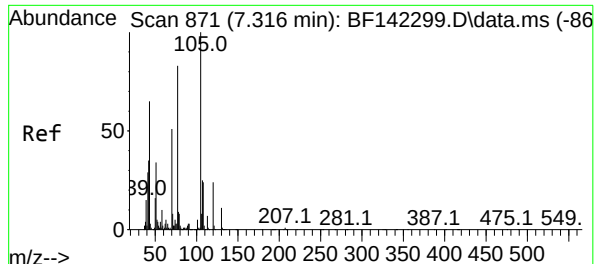
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

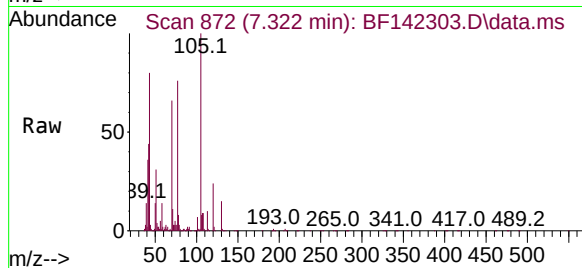
Tgt Ion:117 Resp: 218260
Ion Ratio Lower Upper
117 100
119 95.8 76.9 115.3
201 97.3 78.0 117.0





#19
n-Nitroso-di-n-propylamine
Concen: 38.437 ng
RT: 7.322 min Scan# 871
Delta R.T. 0.006 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

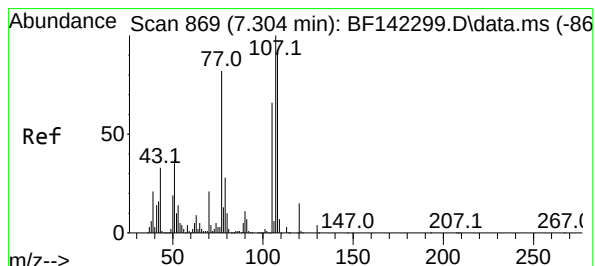
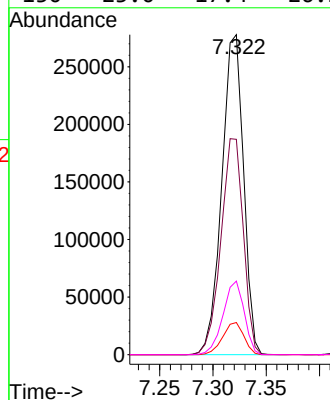
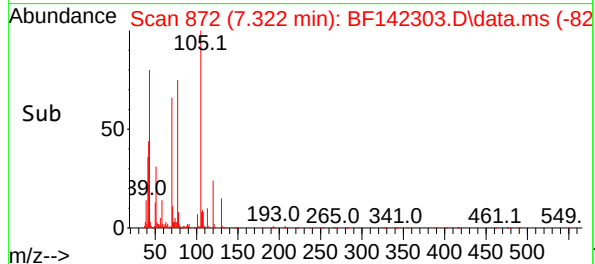
Instrument :
BNA_F
ClientSampleId :
ICVBF050525



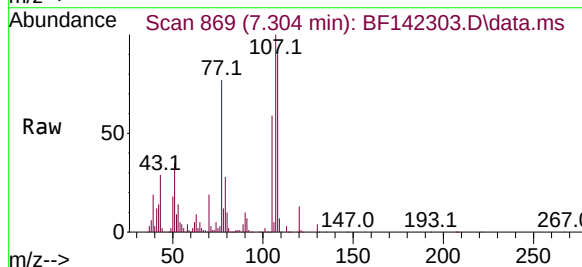
Tgt Ion: 70 Resp: 394300
Ion Ratio Lower Upper
70 100
42 67.3 54.8 82.2
101 10.0 7.7 11.5
130 23.0 17.4 26.2

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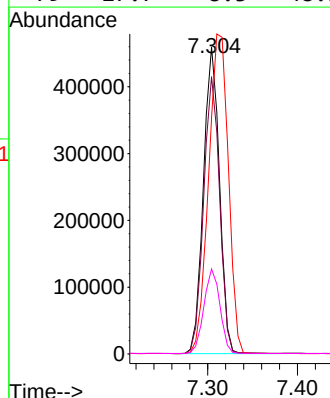
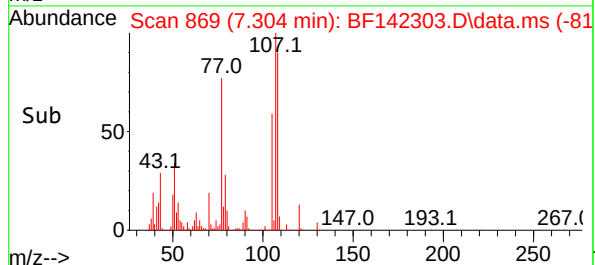
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

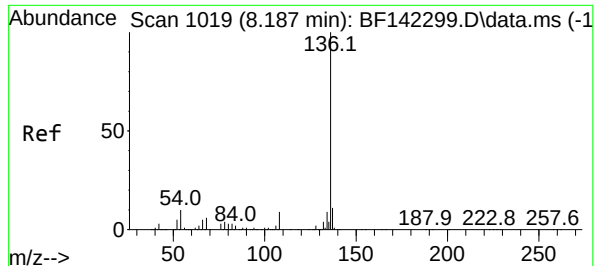


#20
3+4-Methylphenols
Concen: 39.089 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13



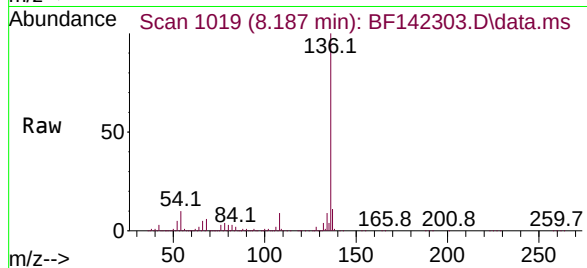
Tgt Ion:107 Resp: 569096
Ion Ratio Lower Upper
107 100
108 90.3 71.5 111.5
77 76.9 61.6 101.6
79 27.7 8.3 48.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

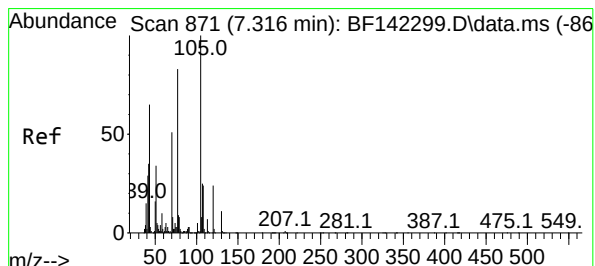
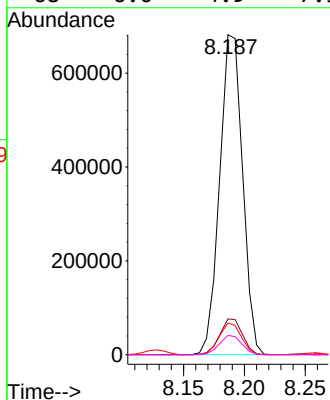
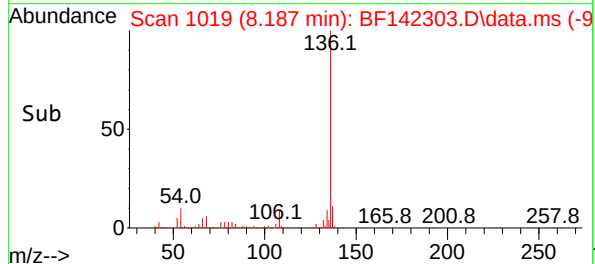
Instrument :
BNA_F
ClientSampleId :
ICVBF050525



Tgt Ion:136 Resp: 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

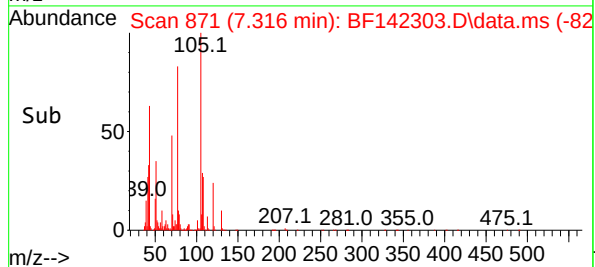
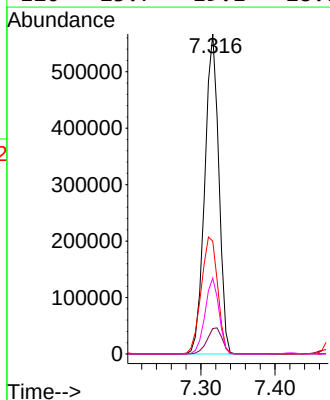
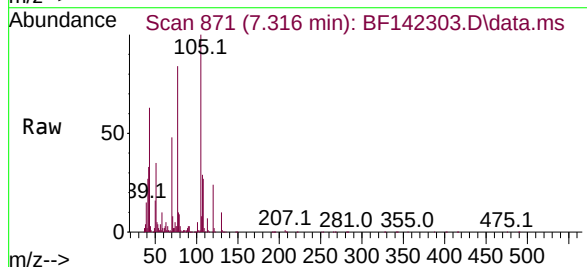
Manual Integrations
APPROVED

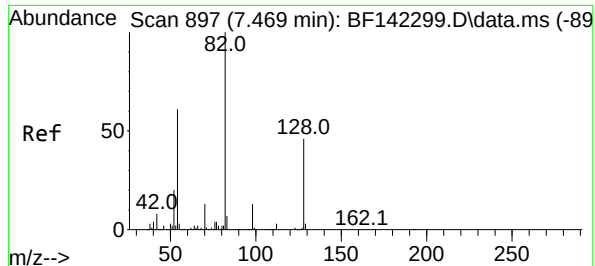
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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# 897

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

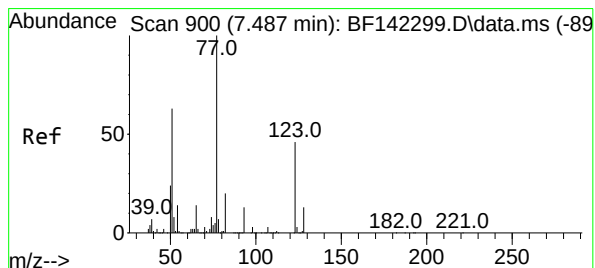
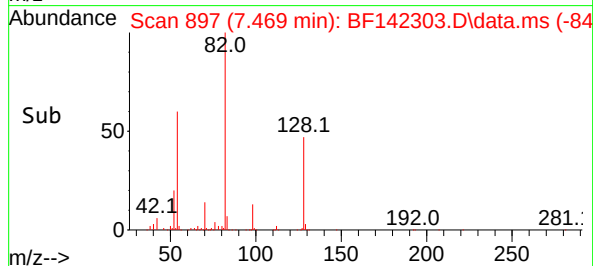
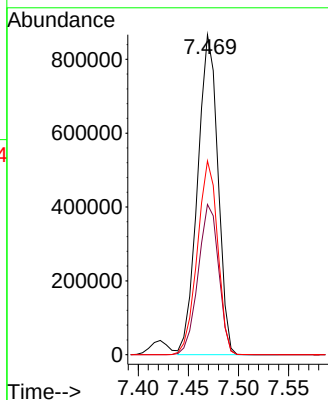
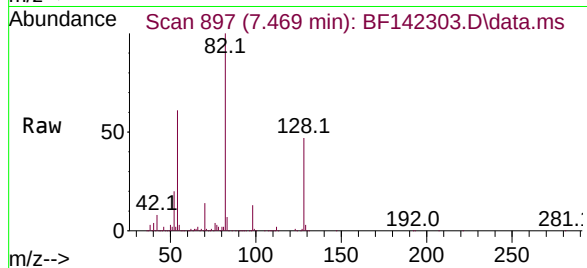
Ion	Ratio	Lower	Upper
82	100		
128	47.0	37.0	55.6
54	60.6	48.6	73.0

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

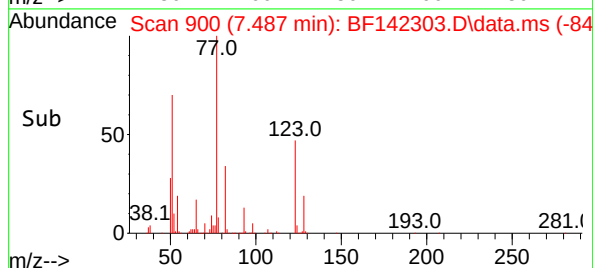
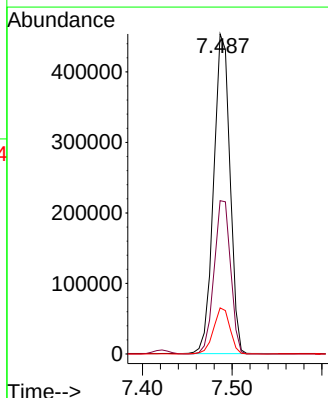
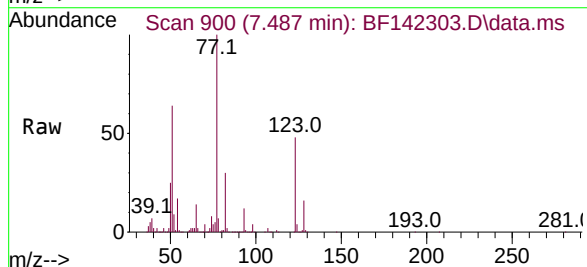
Delta R.T. -0.000 min

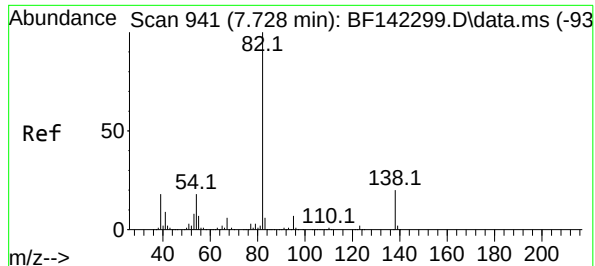
Lab File: BF142303.D

Acq: 05 May 2025 18:13

Tgt Ion: 77 Resp: 572370

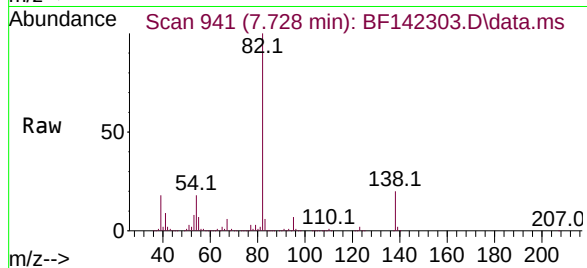
Ion	Ratio	Lower	Upper
77	100		
123	47.9	37.8	56.8
65	14.4	11.4	17.0





#25
Isophorone
Concen: 38.426 ng
RT: 7.728 min Scan# 941
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

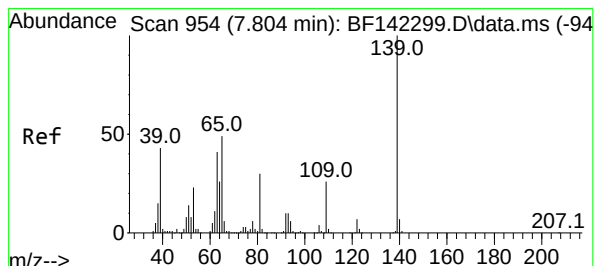
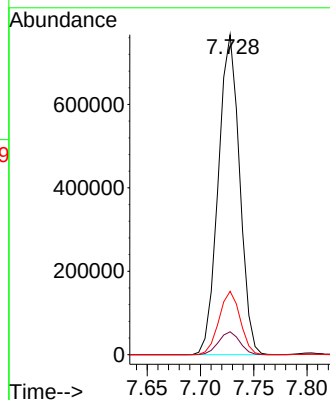
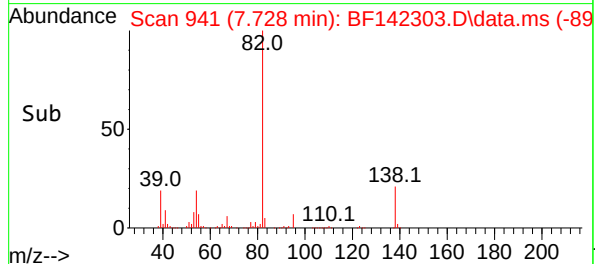
Instrument :
BNA_F
ClientSampleId :
ICVBF050525



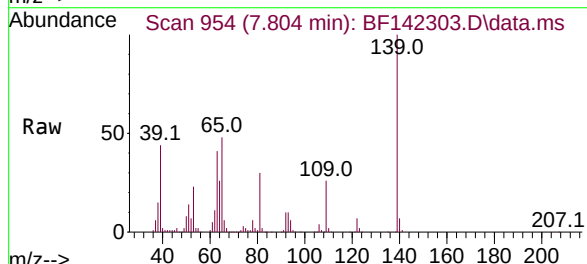
Tgt Ion: 82 Resp: 106642
Ion Ratio Lower Upper
82 100
95 7.2 5.8 8.8
138 19.8 16.1 24.1

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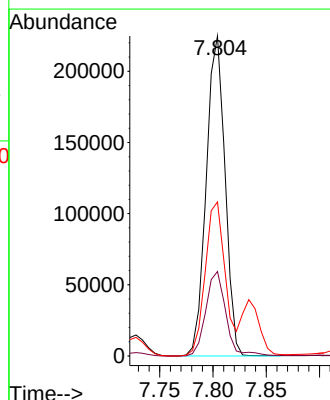
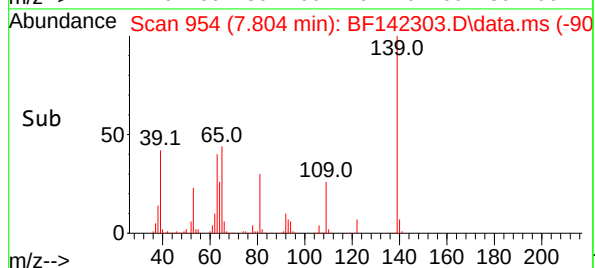
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

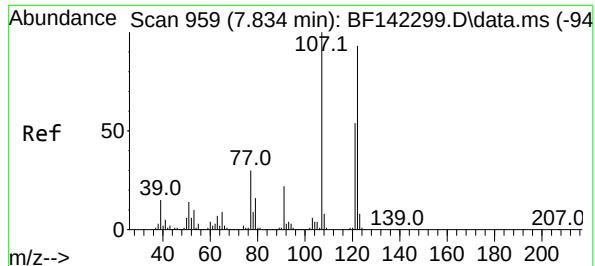


#26
2-Nitrophenol
Concen: 42.037 ng
RT: 7.804 min Scan# 954
Delta R.T. 0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13



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# 959

Delta R.T. -0.000 min

Lab File: BF142303.D

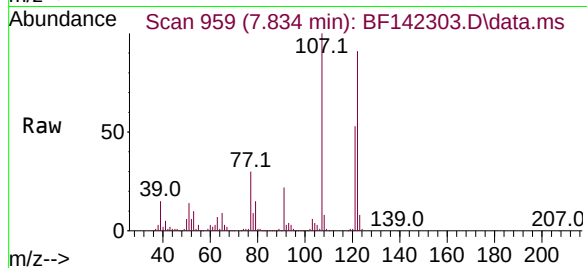
Acq: 05 May 2025 18:13

Instrument :

BNA_F

ClientSampleId :

ICVBF050525



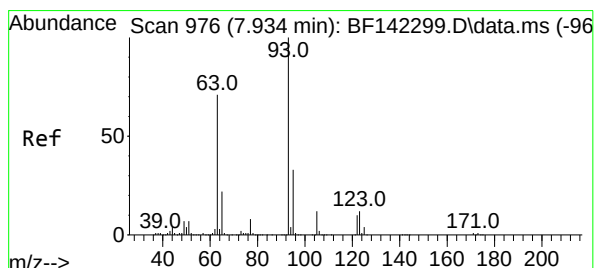
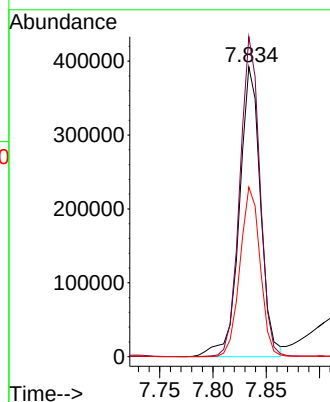
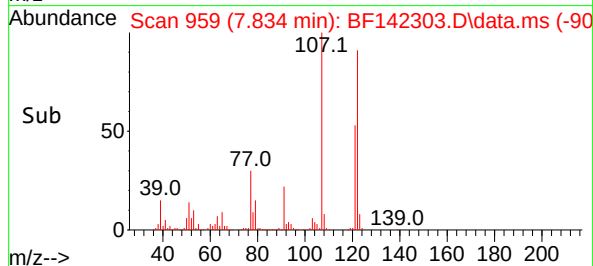
Tgt Ion:	122	Resp:	542819
Ion	Ratio	Lower	Upper
122	100		
107	110.4	86.0	129.0
121	58.5	46.2	69.4

Manual Integrations

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Reviewed By :Rahul Chavli 05/06/2025

Supervised By :Jagrut Upadhyay 05/06/2025



#28

bis(2-Chloroethoxy)methane

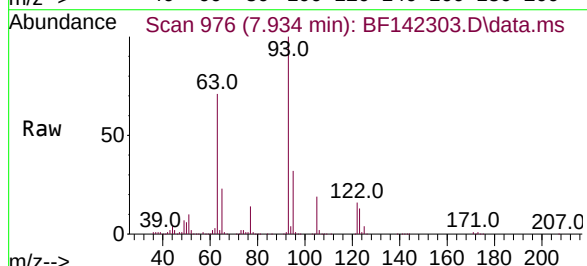
Concen: 38.186 ng

RT: 7.934 min Scan# 976

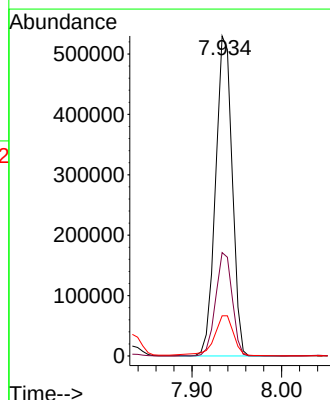
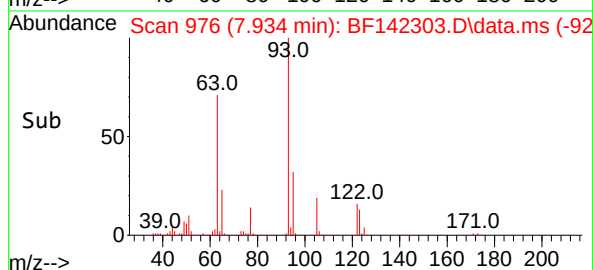
Delta R.T. -0.000 min

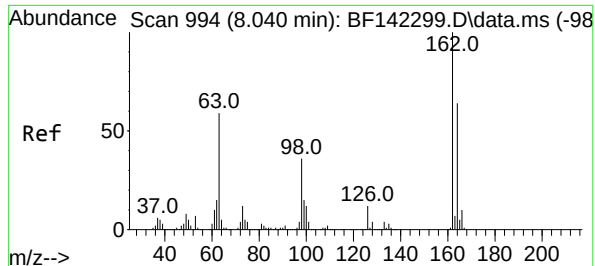
Lab File: BF142303.D

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# 994

Delta R.T. -0.000 min

Lab File: BF142303.D

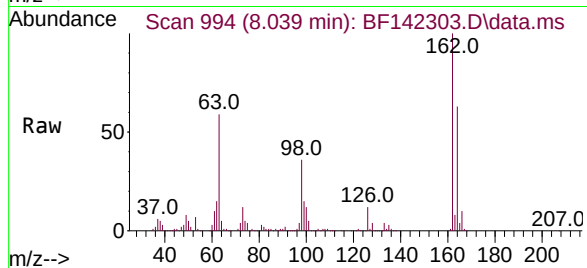
Acq: 05 May 2025 18:13

Instrument :

BNA_F

ClientSampleId :

ICVBF050525



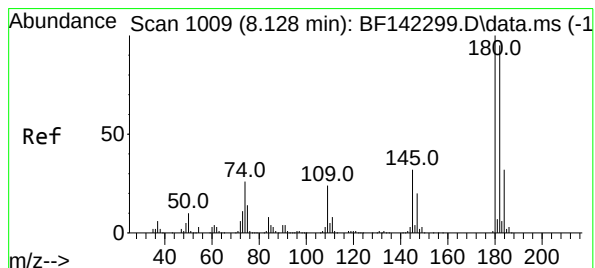
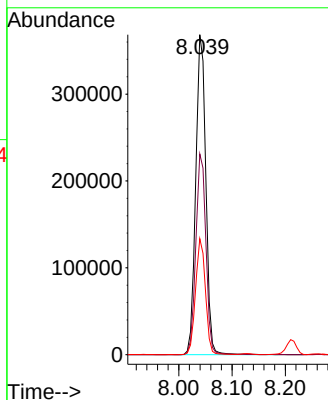
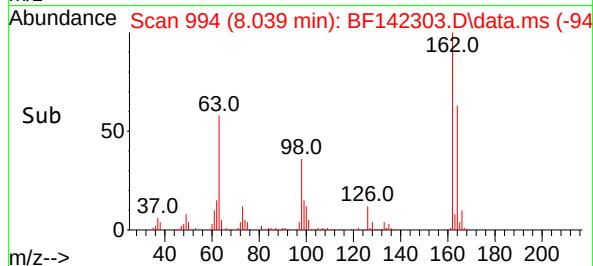
Tgt Ion:	162	Resp:	482990
Ion	Ratio	Lower	Upper
162	100		
164	62.7	43.6	83.6
98	36.3	16.5	56.5

Manual Integrations

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Reviewed By :Rahul Chavli 05/06/2025

Supervised By :Jagrut Upadhyay 05/06/2025



#30

1,2,4-Trichlorobenzene

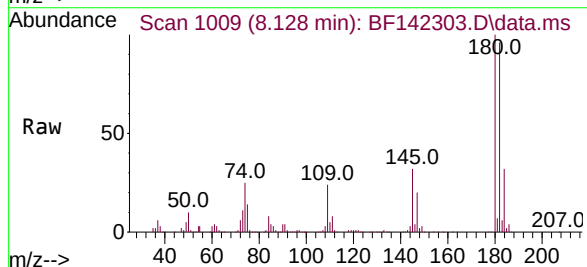
Concen: 37.487 ng

RT: 8.128 min Scan# 1009

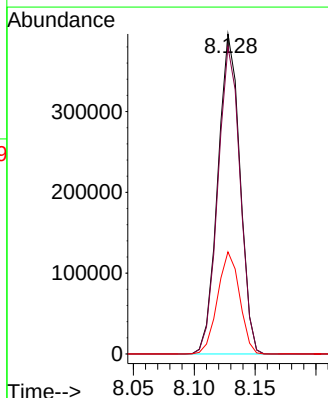
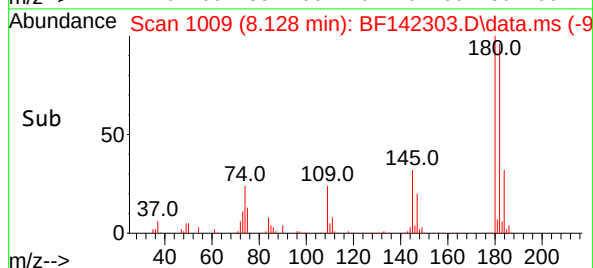
Delta R.T. -0.000 min

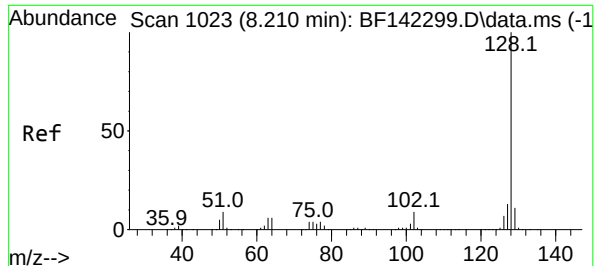
Lab File: BF142303.D

Acq: 05 May 2025 18:13



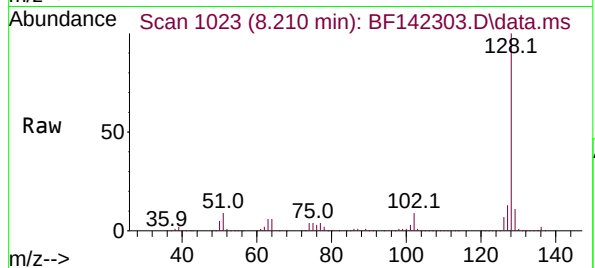
Tgt Ion:	180	Resp:	500471
Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.2	114.4
145	31.9	25.8	38.6





#31
Naphthalene
Concen: 37.992 ng
RT: 8.210 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

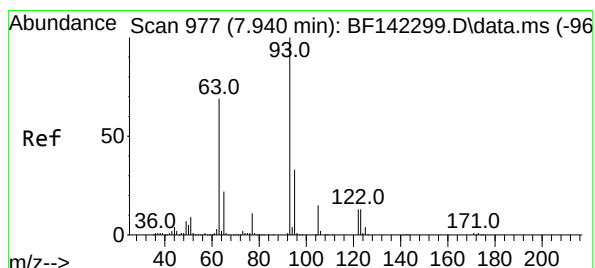
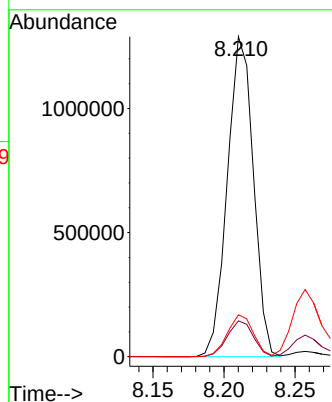
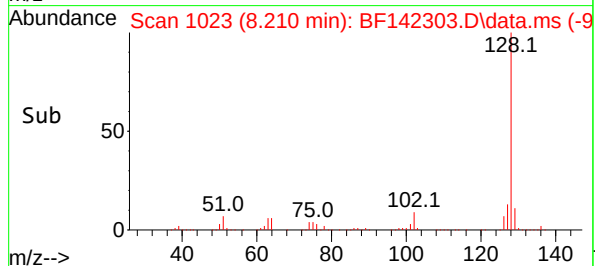
Instrument :
BNA_F
ClientSampleId :
ICVBF050525



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

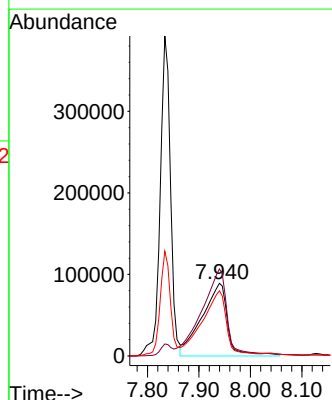
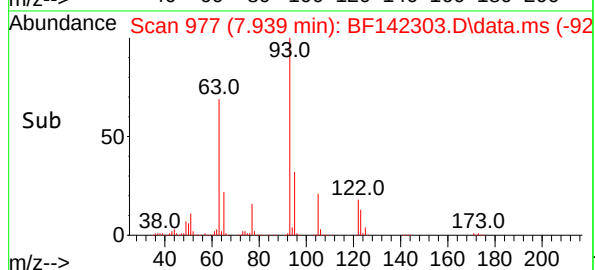
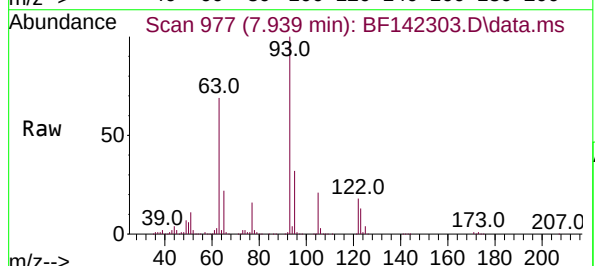
Manual Integrations
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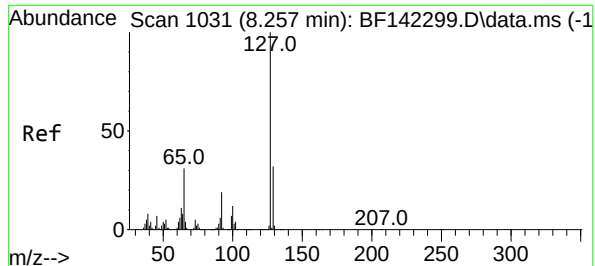
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

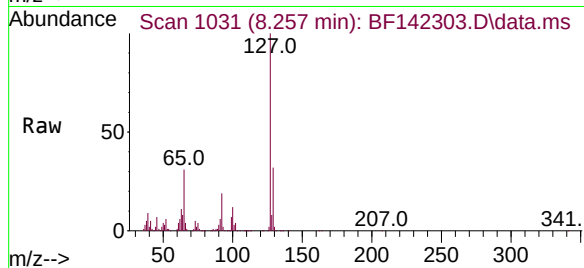
Tgt Ion:122 Resp: 311574
Ion Ratio Lower Upper
122 100
105 120.0 97.9 137.9
77 89.6 67.7 107.7





#33
4-Chloroaniline
Concen: 39.993 ng m
RT: 8.257 min Scan# 1031
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

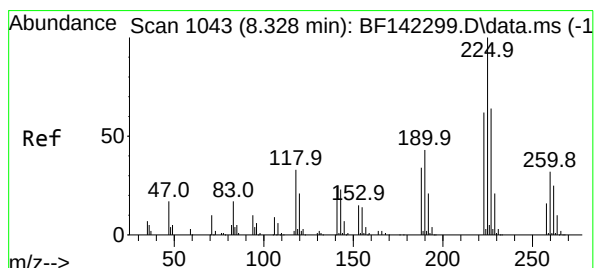
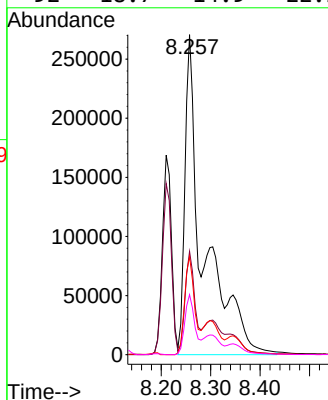
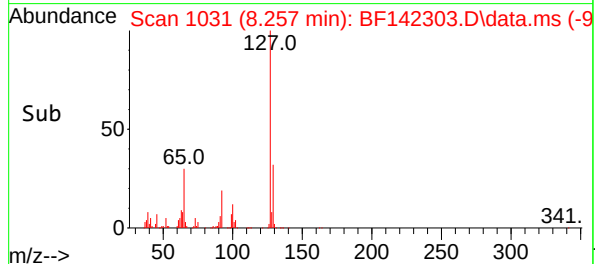
Instrument :
BNA_F
ClientSampleId :
ICVBF050525



Tgt Ion:127 Resp: 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

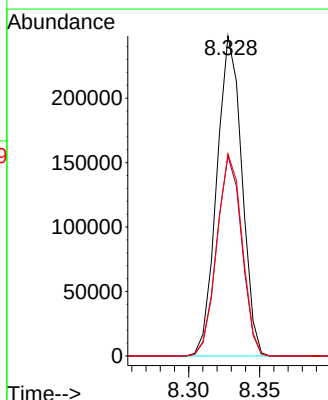
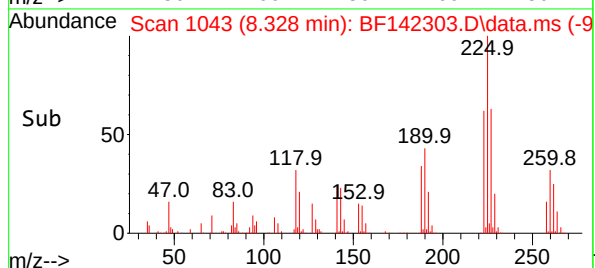
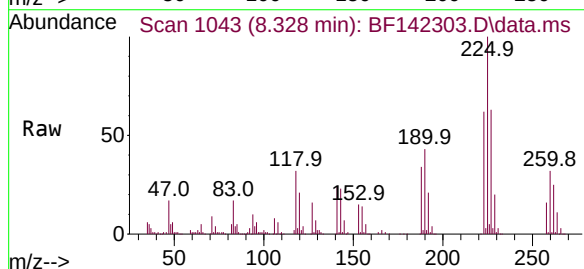
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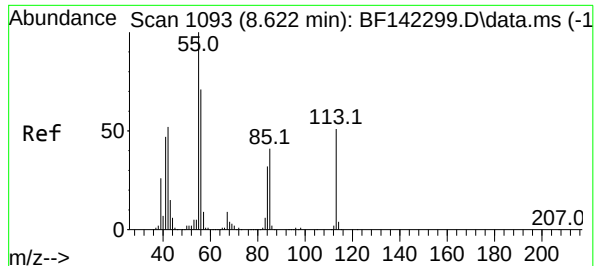
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

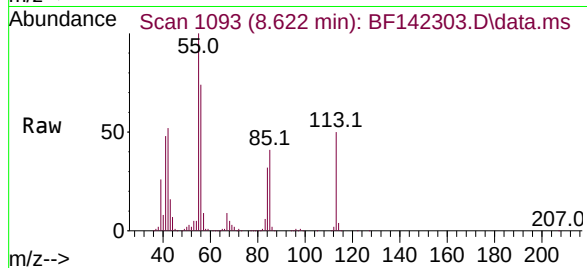
Tgt Ion:225 Resp: 304456
Ion Ratio Lower Upper
225 100
223 62.5 49.8 74.6
227 63.2 50.9 76.3





#35
Caprolactam
Concen: 41.494 ng
RT: 8.622 min Scan# 1093
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

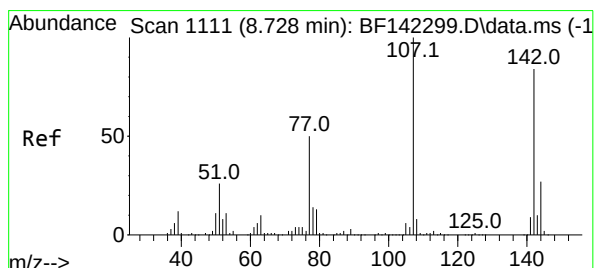
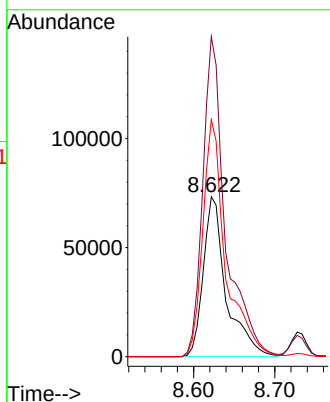
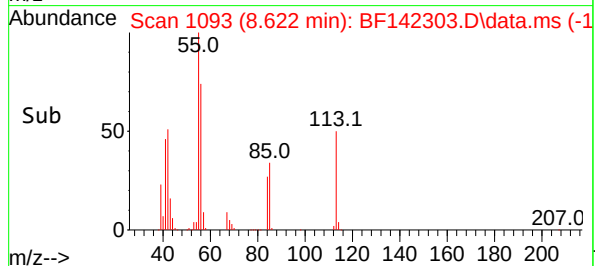
Instrument :
BNA_F
ClientSampleId :
ICVBF050525



Tgt Ion:113 Resp: 143450
Ion Ratio Lower Upper
113 100
55 199.9 176.4 216.4
56 148.0 120.3 160.3

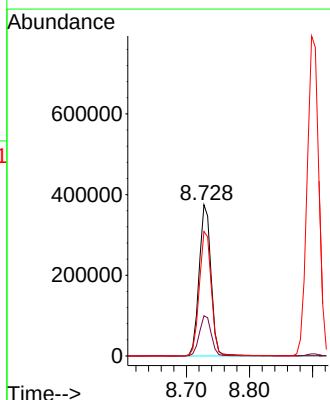
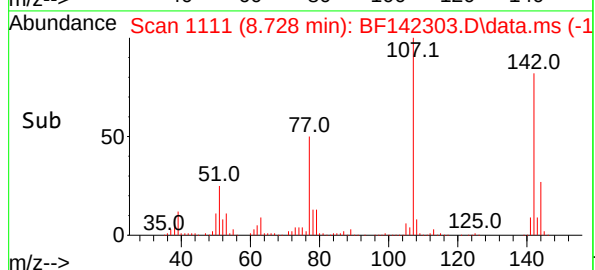
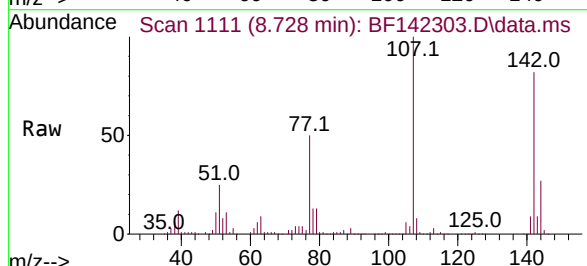
Manual Integrations
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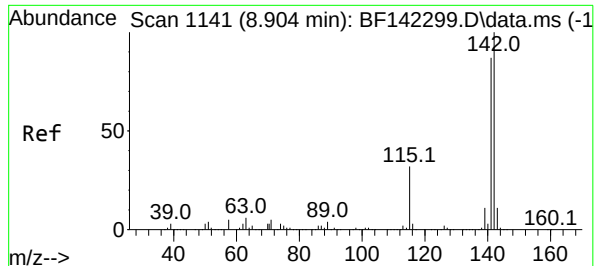
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

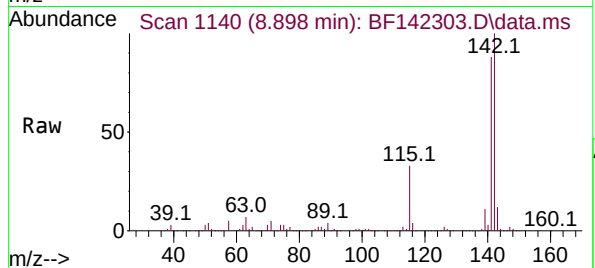
Tgt Ion:107 Resp: 489740
Ion Ratio Lower Upper
107 100
144 26.6 21.3 31.9
142 82.4 66.9 100.3





#37
2-Methylnaphthalene
Concen: 37.643 ng
RT: 8.898 min Scan# 1140
Delta R.T. -0.006 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

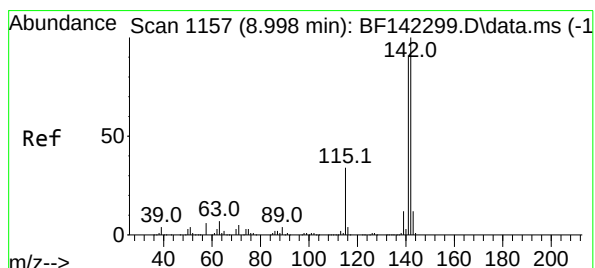
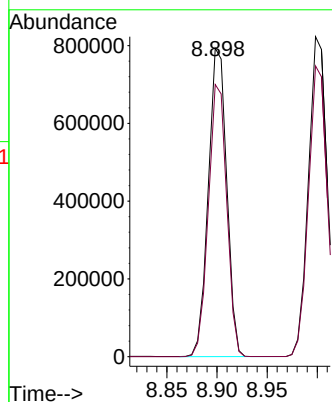
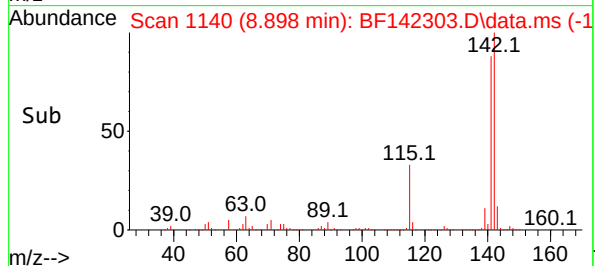
Instrument :
BNA_F
ClientSampleId :
ICVBF050525



Tgt Ion:142 Resp: 1013240
Ion Ratio Lower Upper
142 100
141 88.2 69.4 104.2

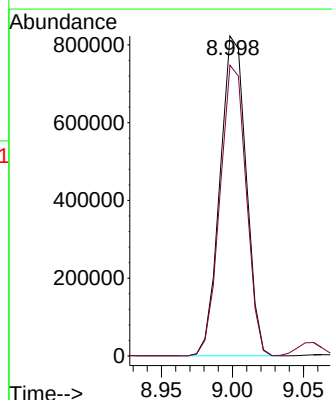
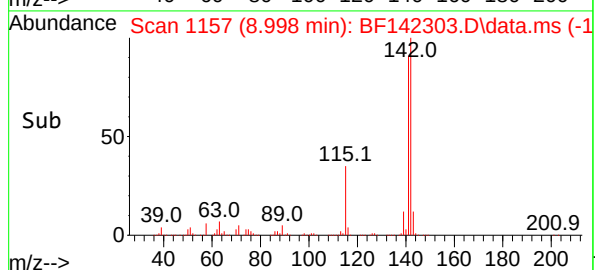
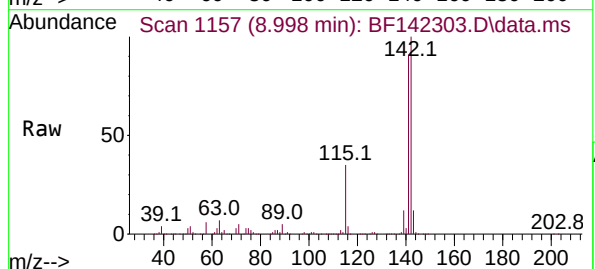
Manual Integrations
APPROVED

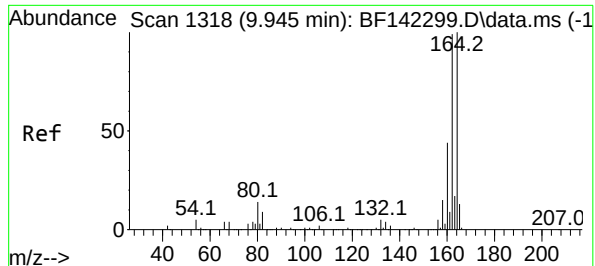
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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# 11

Delta R.T. 0.000 min

Lab File: BF142303.D

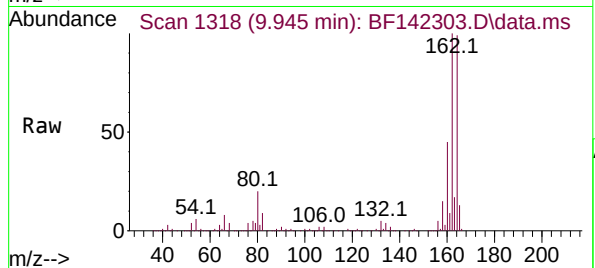
Acq: 05 May 2025 18:13

Instrument :

BNA_F

ClientSampleId :

ICVBF050525



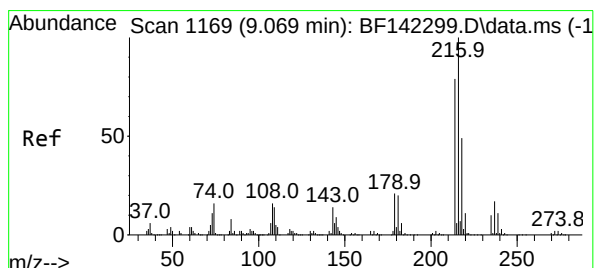
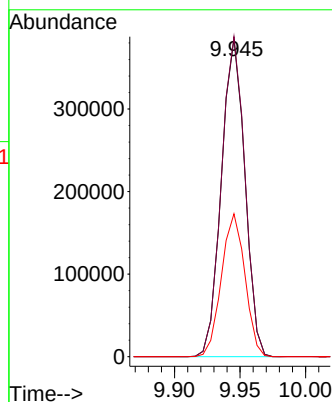
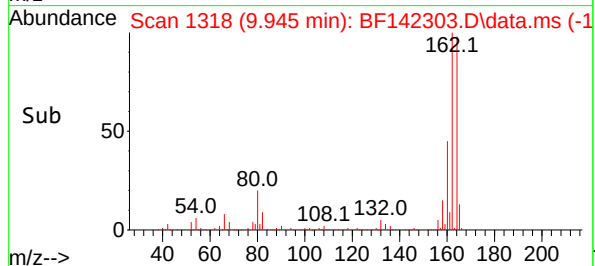
Tgt Ion:	164	Resp:	47887
Ion Ratio	Lower	Upper	
164	100		
162	100.7	79.2	118.8
160	45.0	35.3	52.9

Manual Integrations

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Reviewed By :Rahul Chavli 05/06/2025

Supervised By :Jagrut Upadhyay 05/06/2025



#40

1,2,4,5-Tetrachlorobenzene

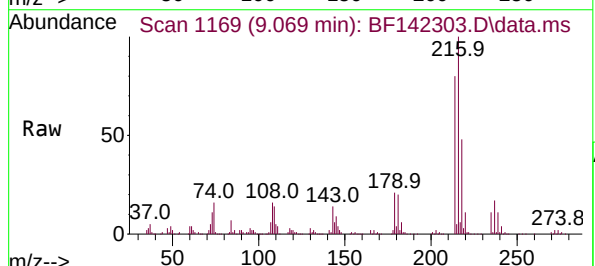
Concen: 37.555 ng

RT: 9.069 min Scan# 1169

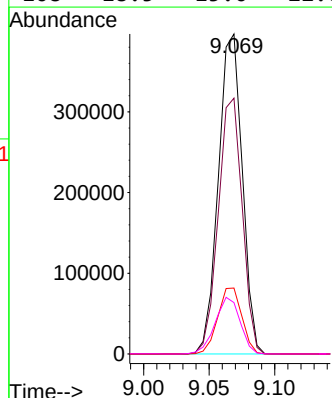
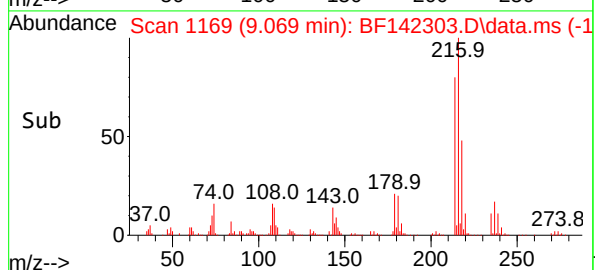
Delta R.T. -0.000 min

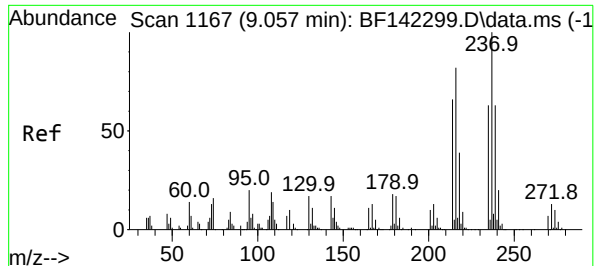
Lab File: BF142303.D

Acq: 05 May 2025 18:13



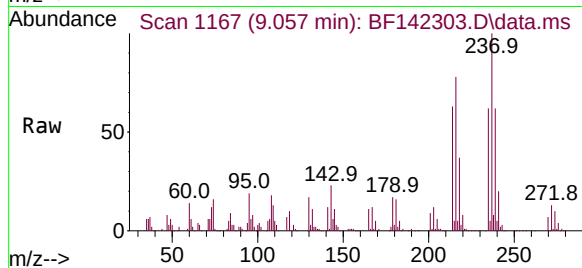
Tgt Ion:	216	Resp:	502278
Ion Ratio	Lower	Upper	
216	100		
214	80.0	63.8	95.6
179	20.8	17.0	25.6
108	18.5	15.0	22.6





#41
Hexachlorocyclopentadiene
Concen: 42.020 ng
RT: 9.057 min Scan# 1167
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

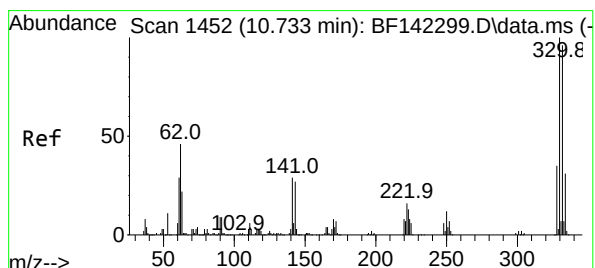
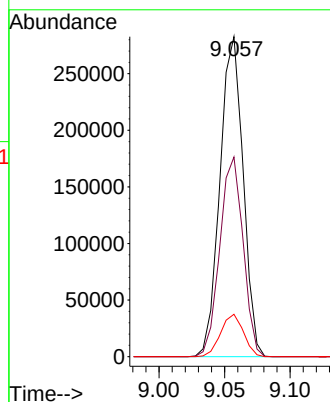
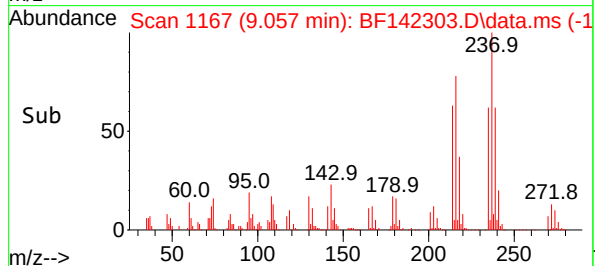
Instrument :
BNA_F
ClientSampleId :
ICVBF050525



Tgt Ion: 237 Resp: 34732
Ion Ratio Lower Upper
237 100
235 62.4 42.8 82.8
272 13.3 0.0 33.0

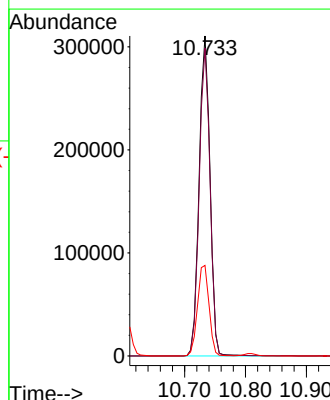
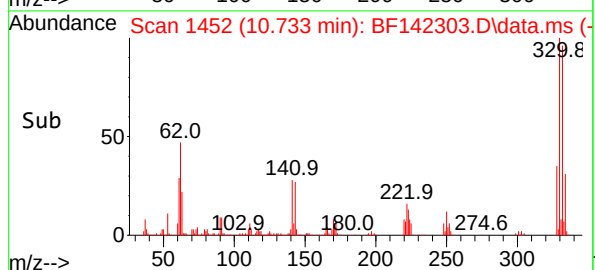
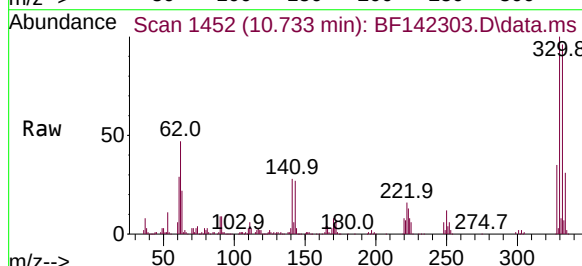
Manual Integrations
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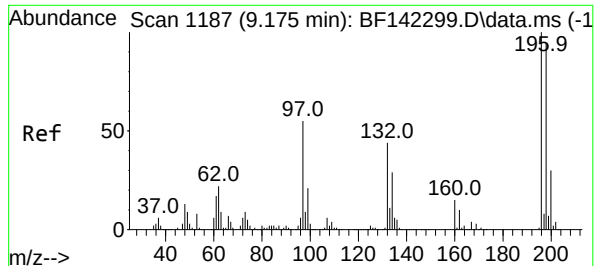
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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# 1187

Delta R.T. -0.000 min

Lab File: BF142303.D

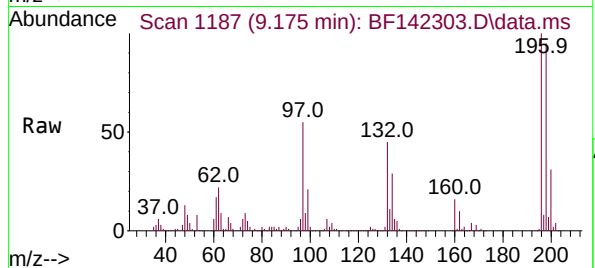
Acq: 05 May 2025 18:13

Instrument :

BNA_F

ClientSampleId :

ICVBF050525



Tgt Ion:196 Resp: 34767

Ion Ratio Lower Upper

196 100

198 95.2 75.4 113.0

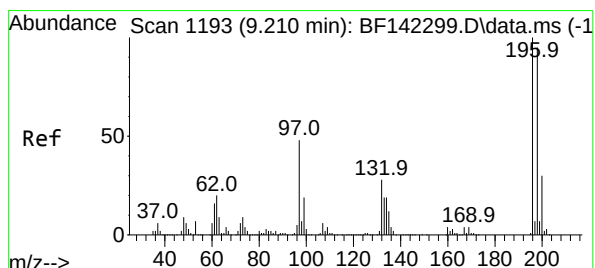
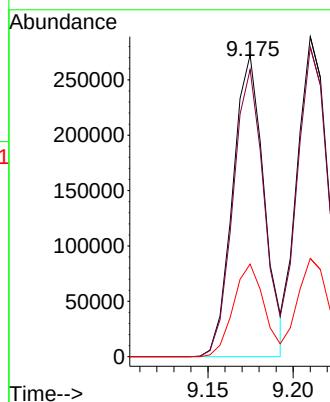
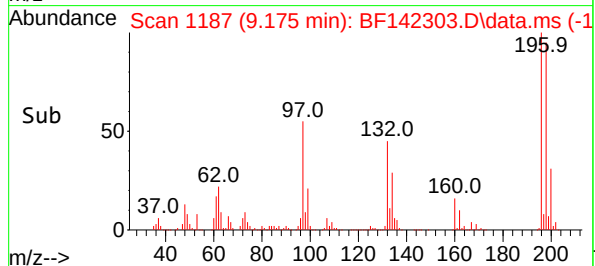
200 30.7 24.3 36.5

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Reviewed By :Rahul Chavli 05/06/2025

Supervised By :Jagrut Upadhyay 05/06/2025



#44

2,4,5-Trichlorophenol

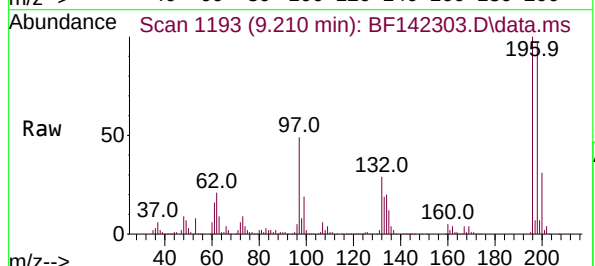
Concen: 39.886 ng

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

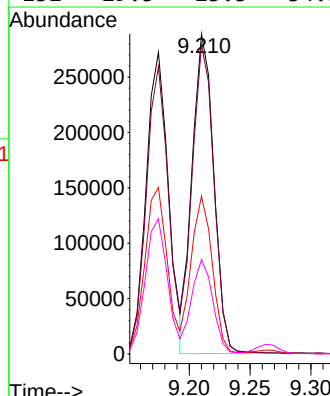
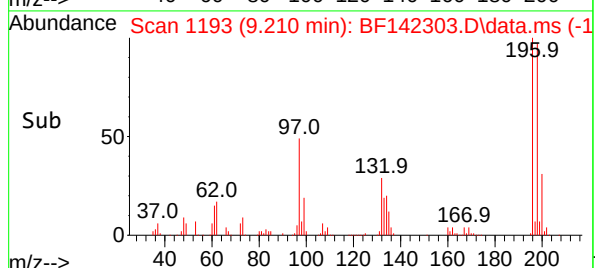
Ion Ratio Lower Upper

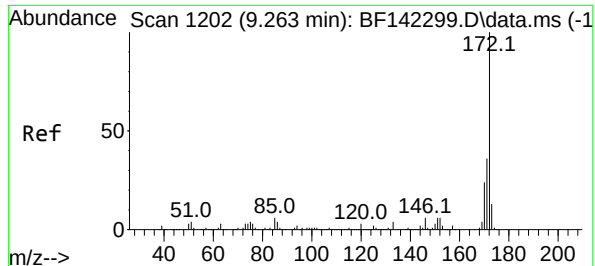
196 100

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# 1202

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

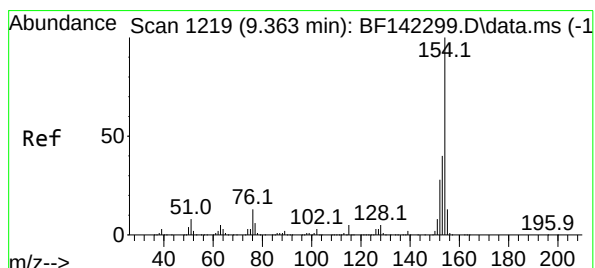
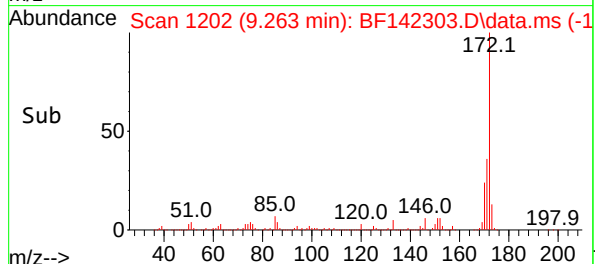
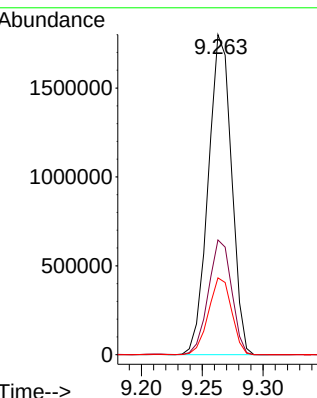
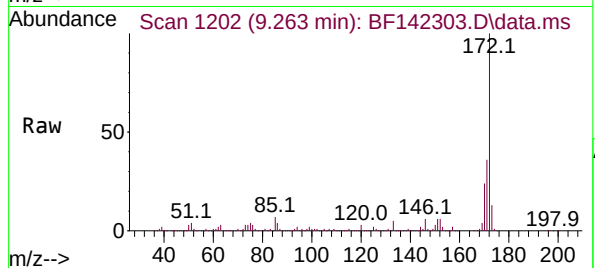
170 24.0 19.0 28.4

Manual Integrations

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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

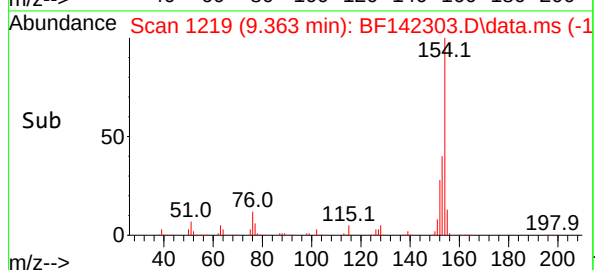
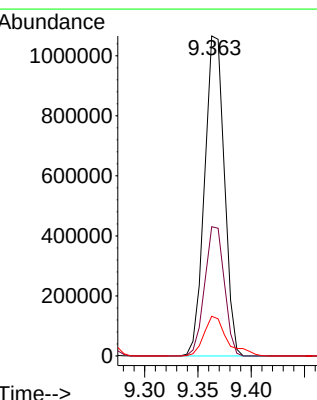
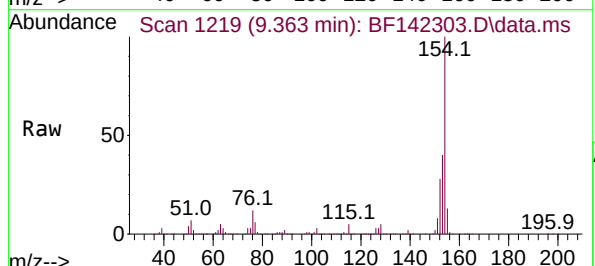
Tgt Ion:154 Resp: 1368945

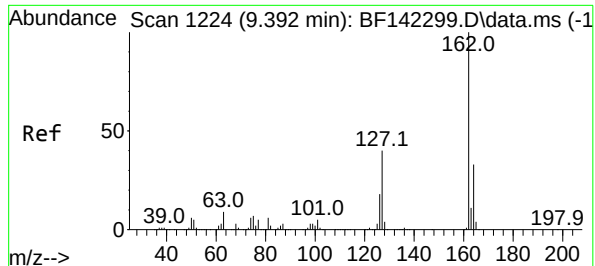
Ion Ratio Lower Upper

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# 1224

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

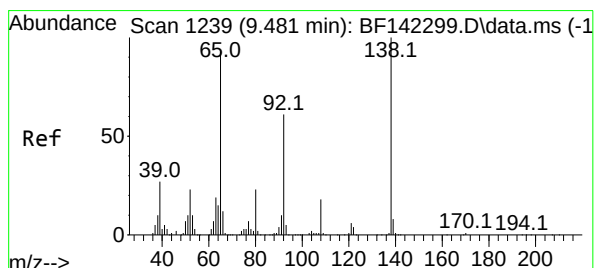
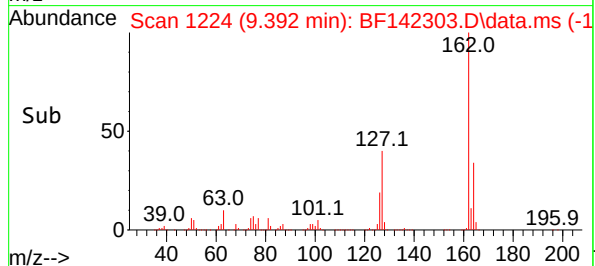
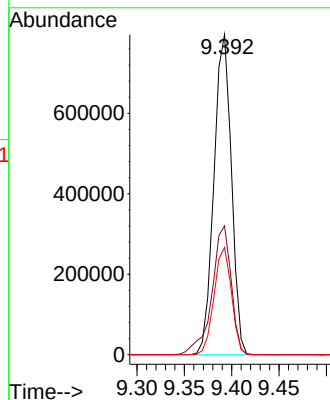
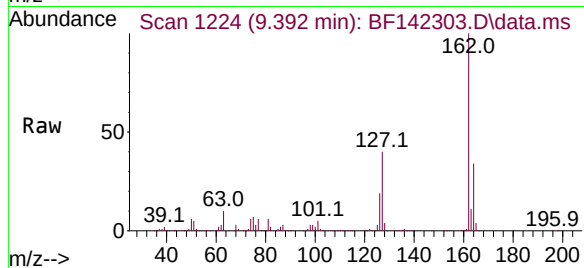
164 33.5 26.6 40.0

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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

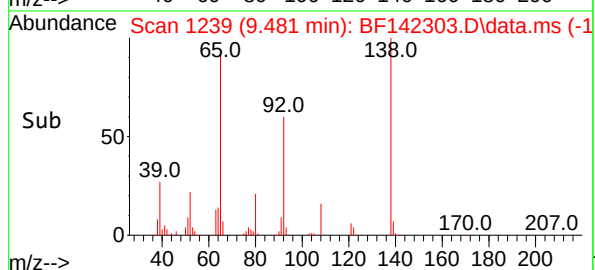
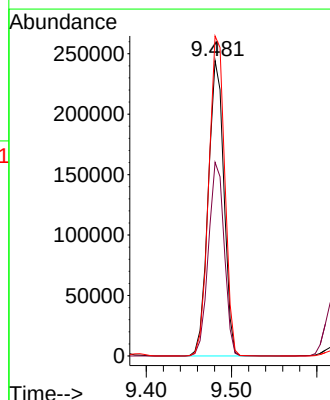
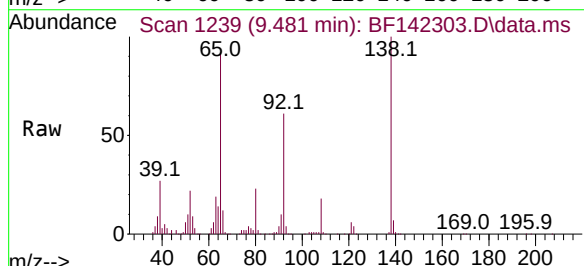
Tgt Ion: 65 Resp: 312727

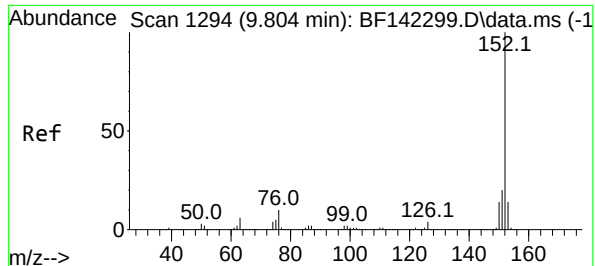
Ion Ratio Lower Upper

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# 1294

Delta R.T. -0.000 min

Lab File: BF142303.D

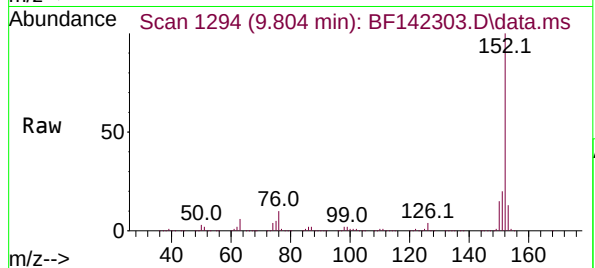
Acq: 05 May 2025 18:13

Instrument :

BNA_F

ClientSampleId :

ICVBF050525



Tgt Ion:152 Resp: 172816

Ion Ratio Lower Upper

152 100

151 20.1 16.0 24.0

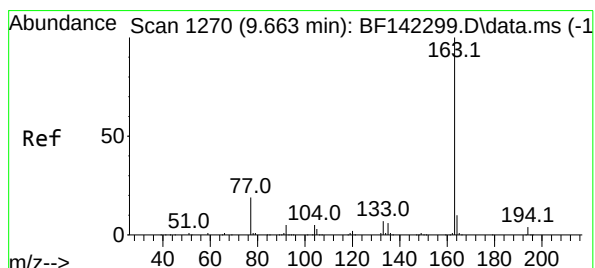
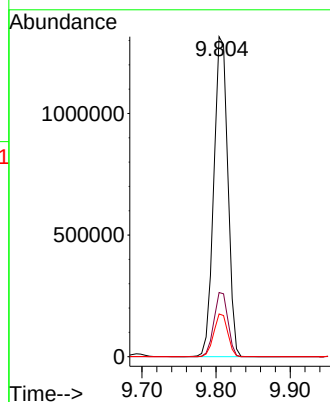
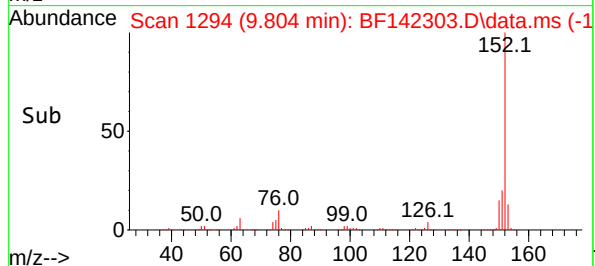
153 13.4 10.8 16.2

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Reviewed By :Rahul Chavli 05/06/2025

Supervised By :Jagrut Upadhyay 05/06/2025



#50

Dimethylphthalate

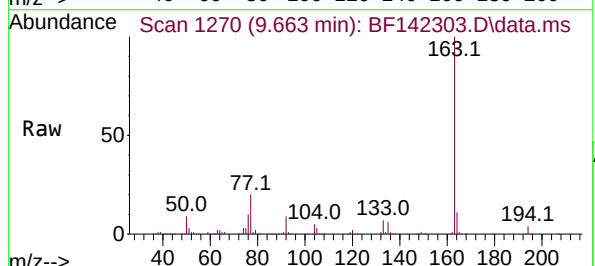
Concen: 38.154 ng

RT: 9.663 min Scan# 1270

Delta R.T. -0.000 min

Lab File: BF142303.D

Acq: 05 May 2025 18:13



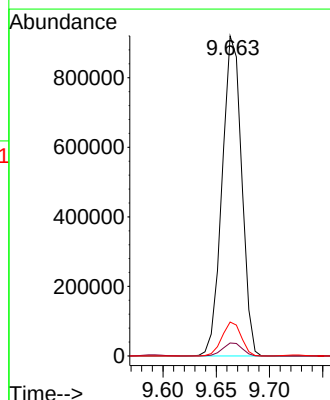
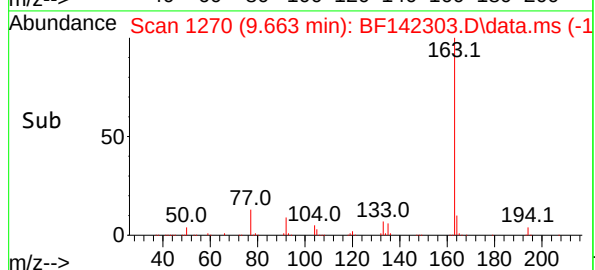
Tgt Ion:163 Resp: 1173252

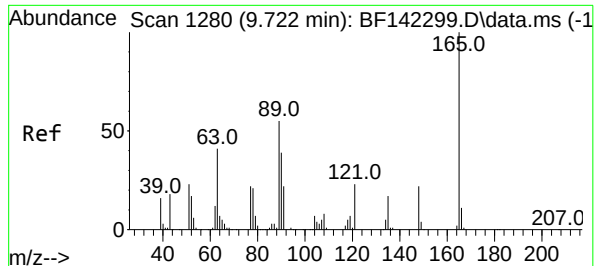
Ion Ratio Lower Upper

163 100

194 4.1 3.2 4.8

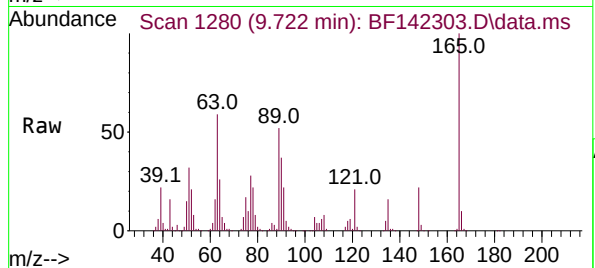
164 10.6 8.3 12.5





#51
2,6-Dinitrotoluene
Concen: 44.788 ng
RT: 9.722 min Scan# 1280
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

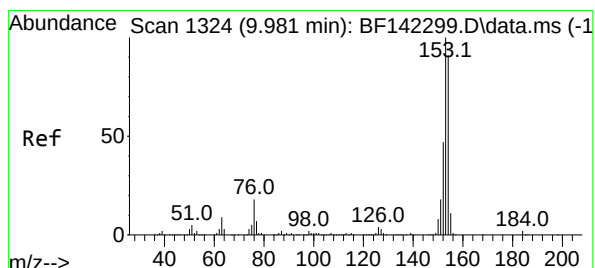
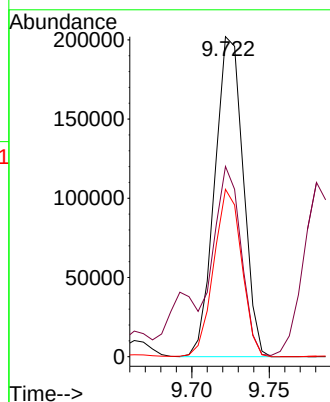
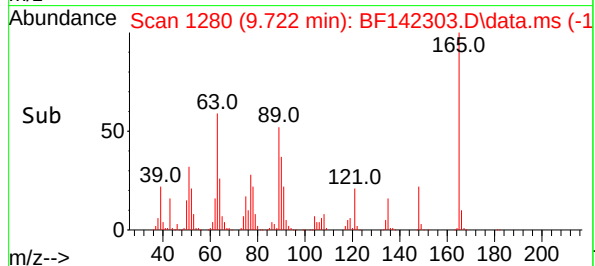
Instrument :
BNA_F
Client Sample Id :
ICVBF050525



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

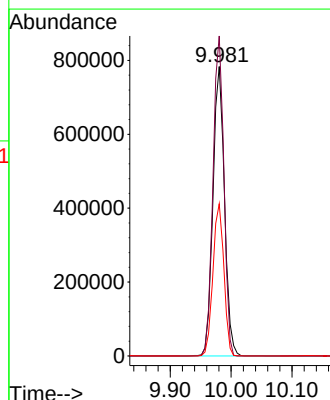
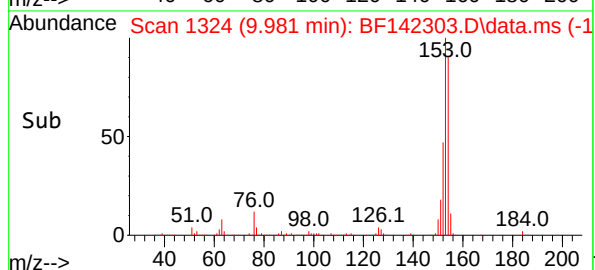
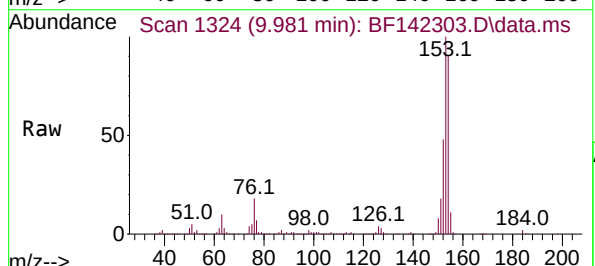
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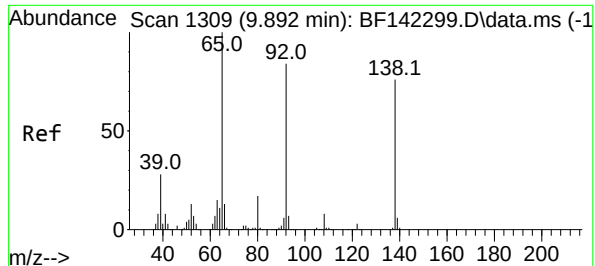
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

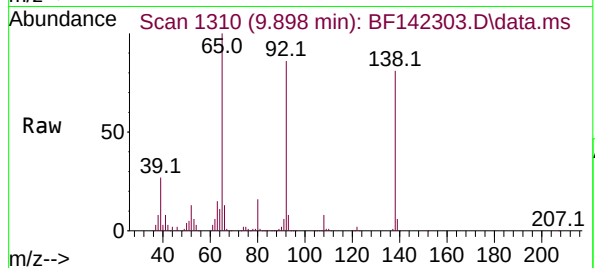
Tgt Ion:154 Resp: 1029833
Ion Ratio Lower Upper
154 100
153 110.6 88.0 132.0
152 52.6 41.6 62.4





#53
3-Nitroaniline
Concen: 43.190 ng
RT: 9.898 min Scan# 1310
Delta R.T. 0.006 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

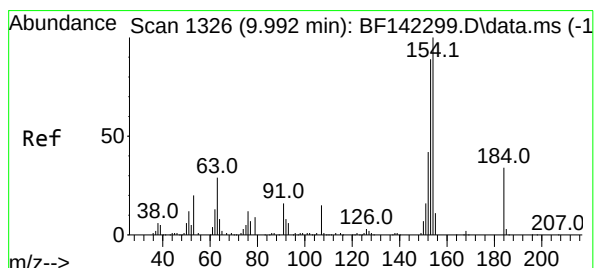
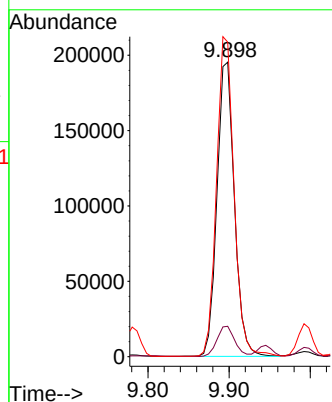
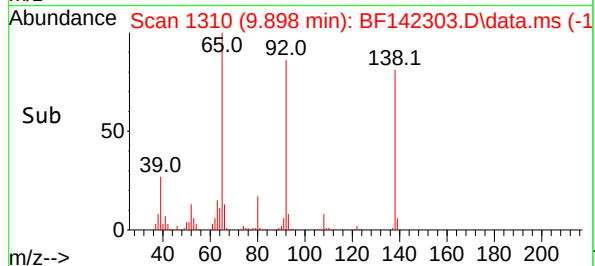
Instrument :
BNA_F
ClientSampleId :
ICVBF050525



Tgt Ion:138 Resp: 291550
Ion Ratio Lower Upper
138 100
108 10.3 8.7 13.1
92 106.7 89.5 134.3

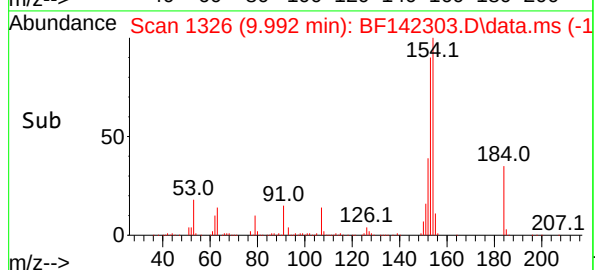
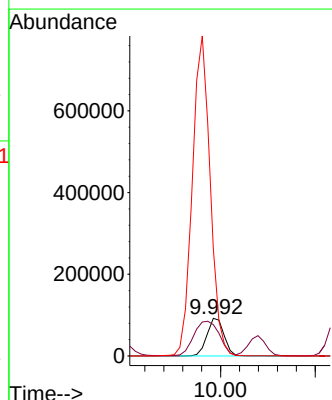
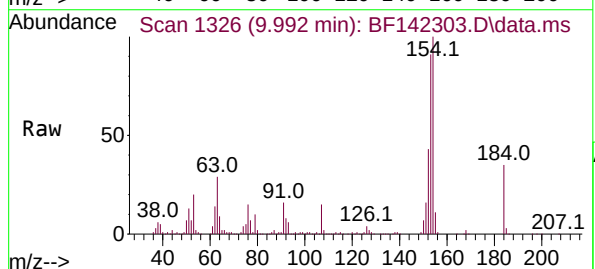
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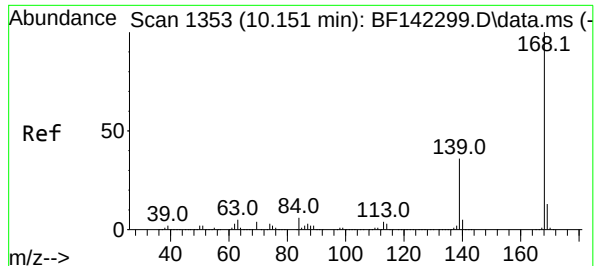
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

Dibenzenofuran

Concen: 37.158 ng

RT: 10.151 min Scan# 1353

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: 150618

Ion Ratio Lower Upper

168 100

139 37.0 29.0 43.4

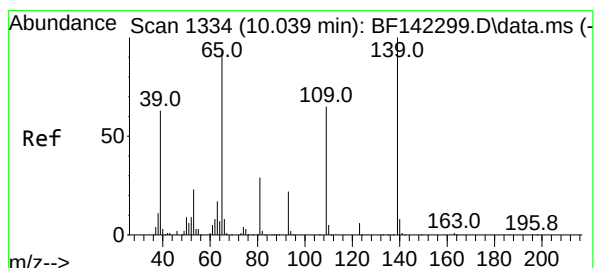
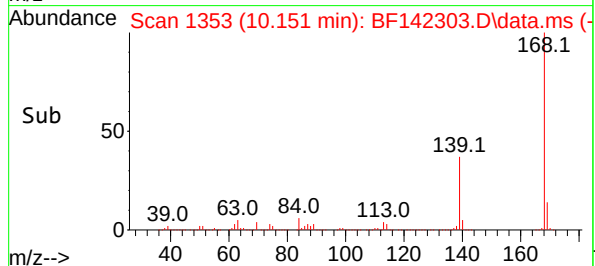
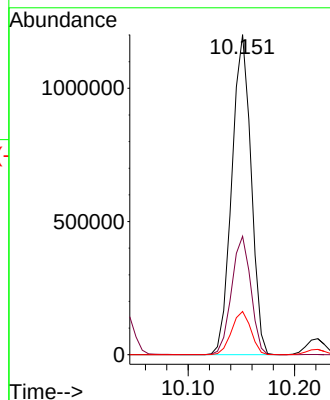
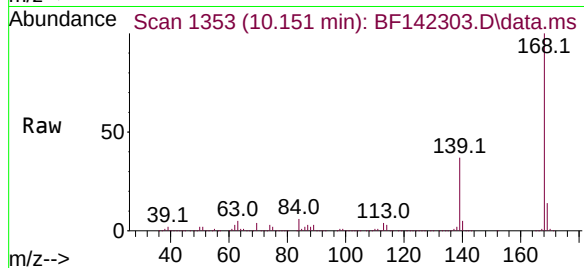
169 13.5 10.7 16.1

Manual Integrations

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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

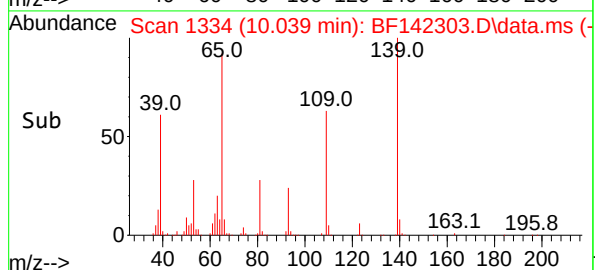
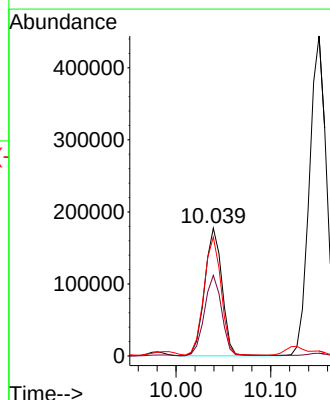
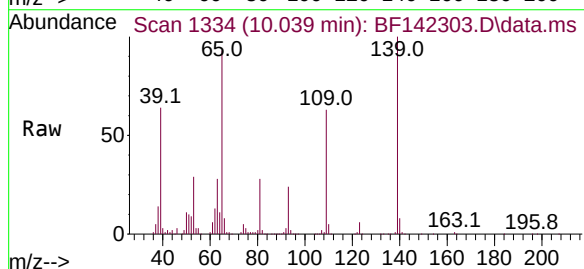
Tgt Ion:139 Resp: 225481

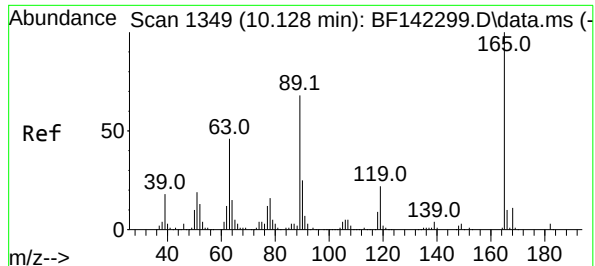
Ion Ratio Lower Upper

139 100

109 63.1 45.3 85.3

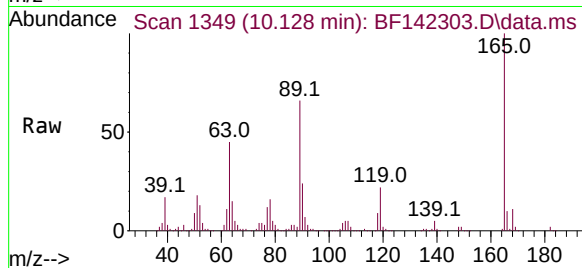
65 93.0 73.9 113.9





#57
2,4-Dinitrotoluene
Concen: 45.248 ng
RT: 10.128 min Scan# 1349
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

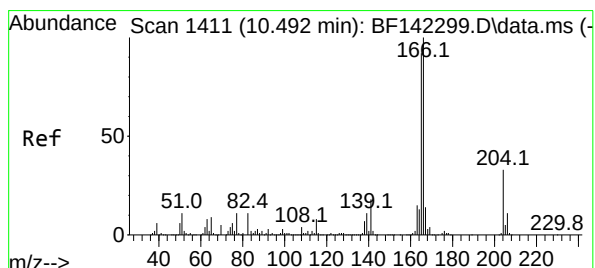
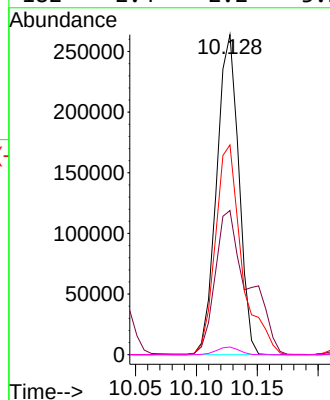
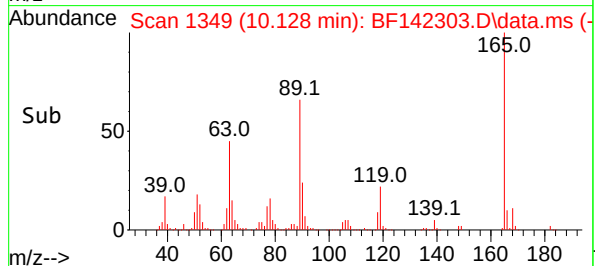
Instrument :
BNA_F
ClientSampleId :
ICVBF050525



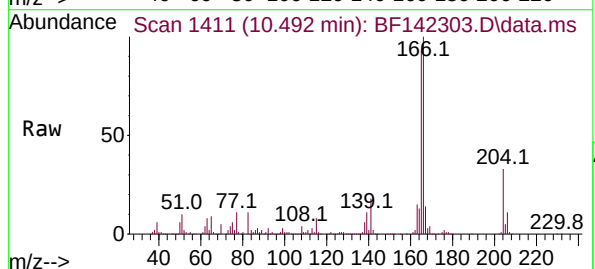
Tgt Ion:165 Resp: 334070
Ion Ratio Lower Upper
165 100
63 45.0 37.1 55.7
89 65.5 54.4 81.6
182 2.4 2.2 3.2

Manual Integrations
APPROVED

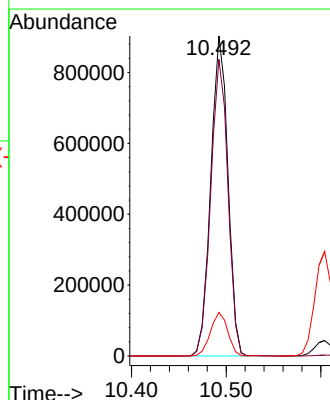
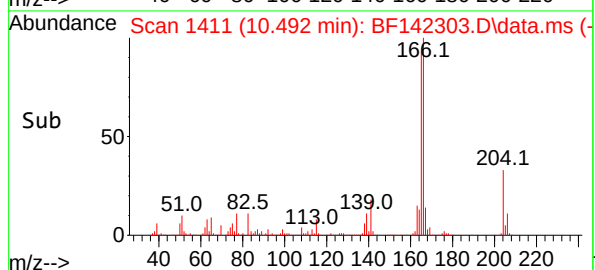
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

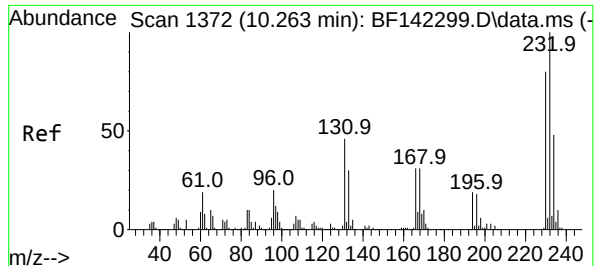


#58
Fluorene
Concen: 36.712 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13



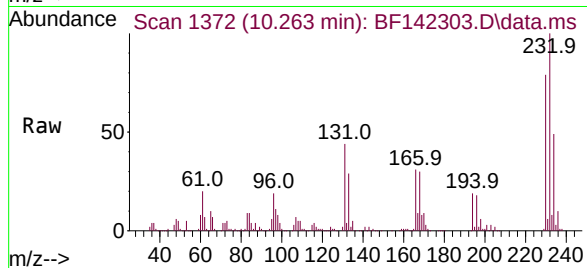
Tgt Ion:166 Resp: 1135685
Ion Ratio Lower Upper
166 100
165 92.7 74.0 111.0
167 13.6 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 41.630 ng
RT: 10.263 min Scan# 1372
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

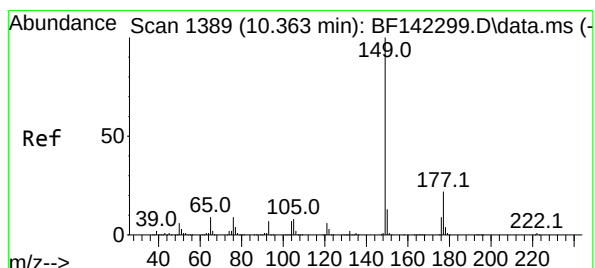
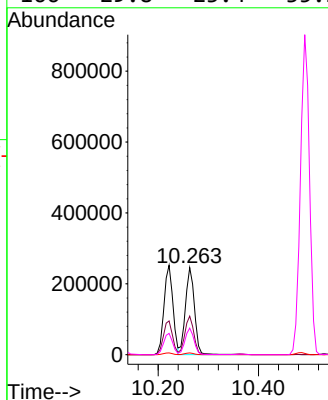
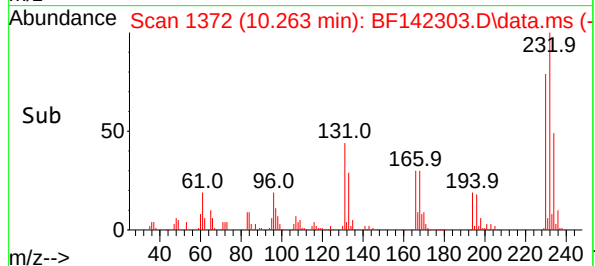
Instrument :
BNA_F
ClientSampleId :
ICVBF050525



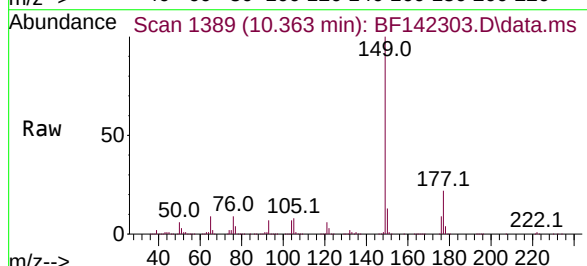
Tgt Ion:232 Resp: 308471
Ion Ratio Lower Upper
232 100
131 44.2 36.0 54.0
130 2.0 1.8 2.6
166 29.8 23.4 35.2

Manual Integrations
APPROVED

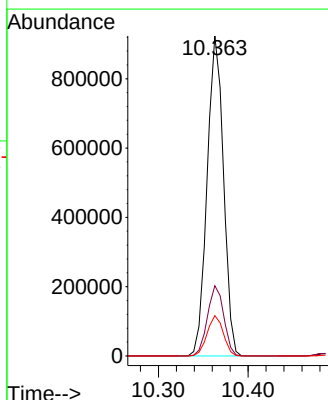
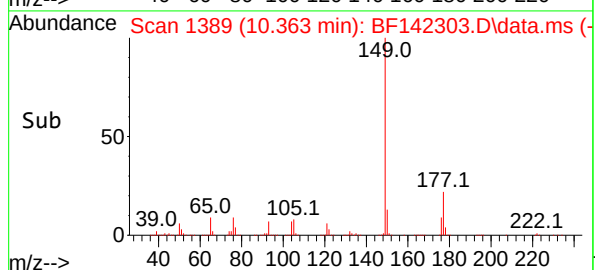
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

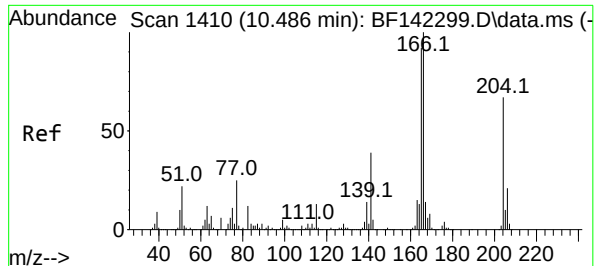


#60
Diethylphthalate
Concen: 38.064 ng
RT: 10.363 min Scan# 1389
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13



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





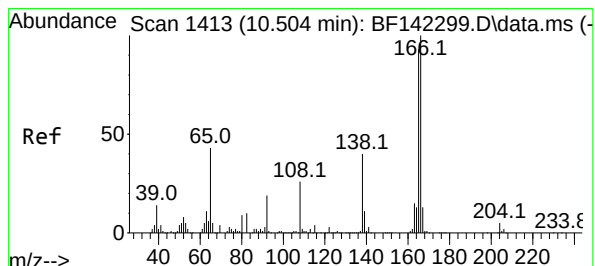
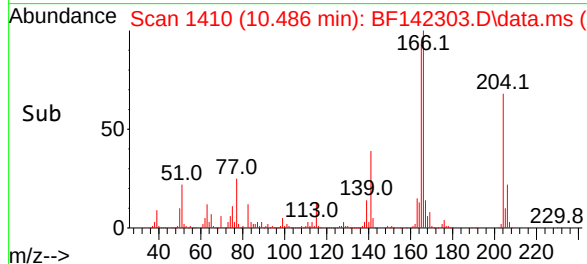
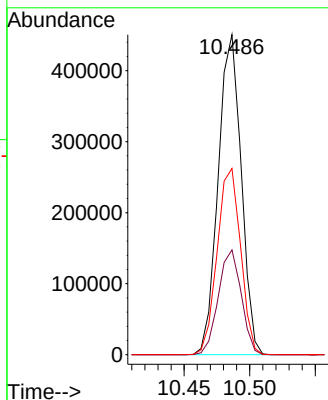
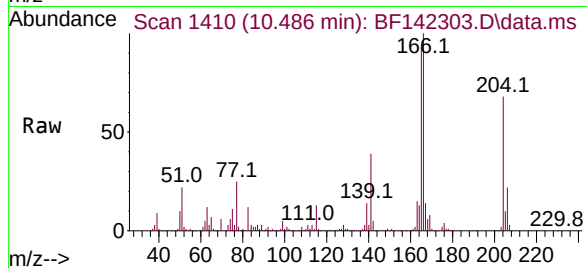
#61
4-Chlorophenyl-phenylether
Concen: 36.826 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Tgt Ion:204 Resp: 549610
Ion Ratio Lower Upper
204 100
206 32.8 25.5 38.3
141 58.2 46.4 69.6

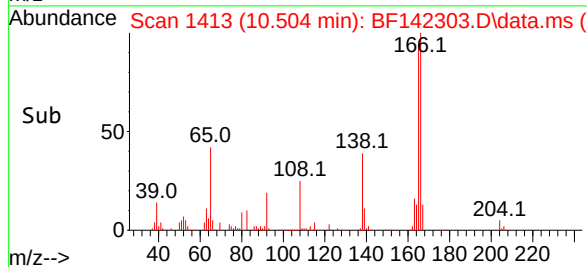
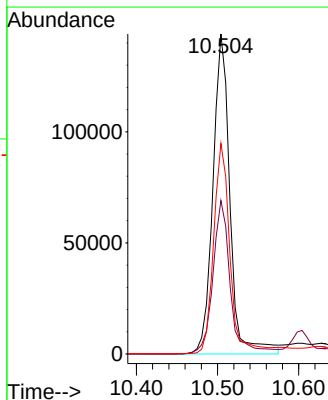
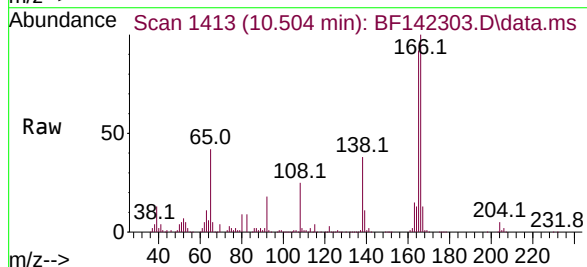
Manual Integrations
APPROVED

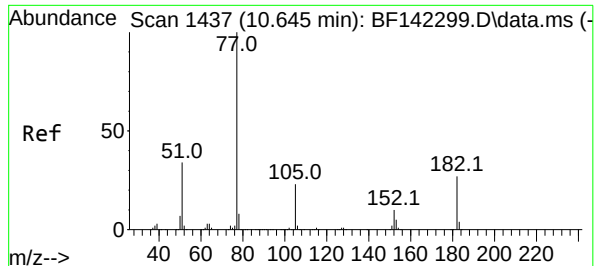
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

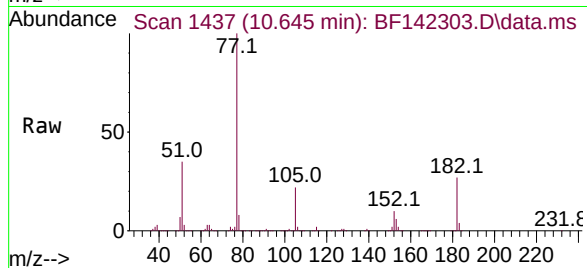
Tgt Ion:138 Resp: 210408
Ion Ratio Lower Upper
138 100
92 47.9 27.3 67.3
108 65.8 45.1 85.1





#63
Azobenzene
Concen: 37.908 ng
RT: 10.645 min Scan# 1437
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

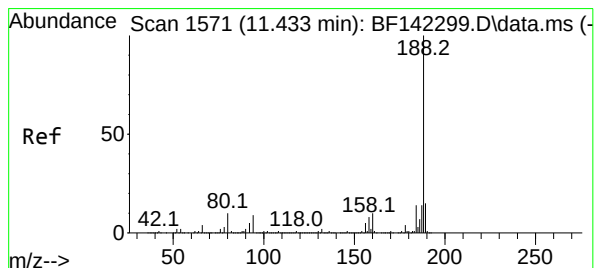
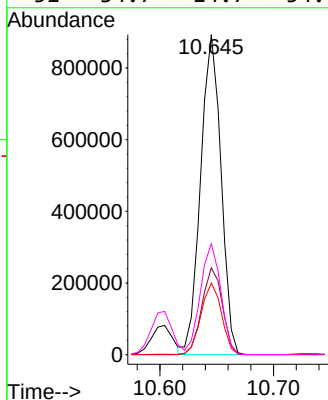
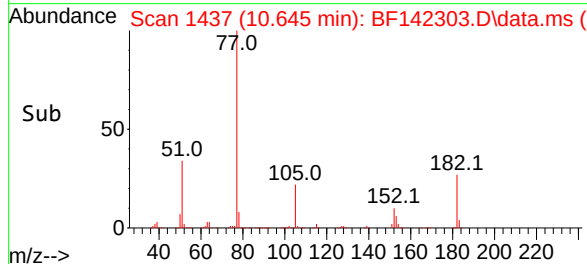
Instrument :
BNA_F
ClientSampleId :
ICVBF050525



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

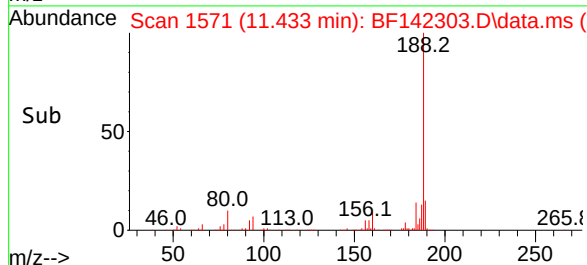
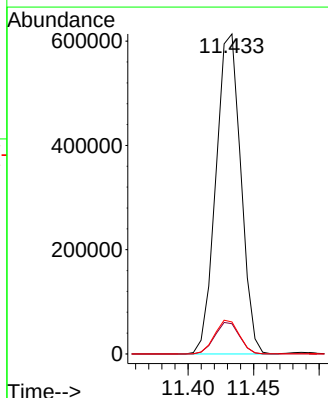
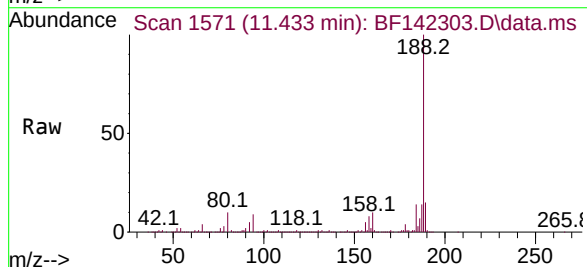
Manual Integrations
APPROVED

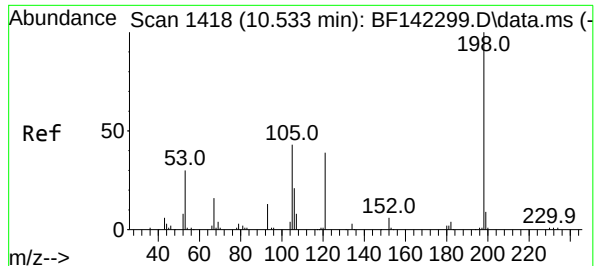
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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





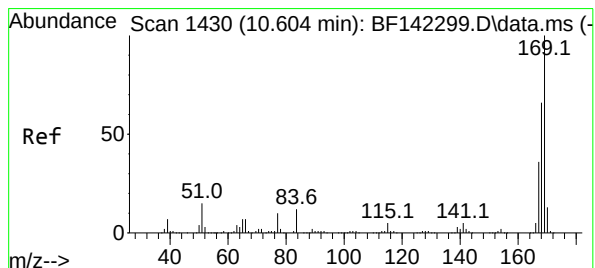
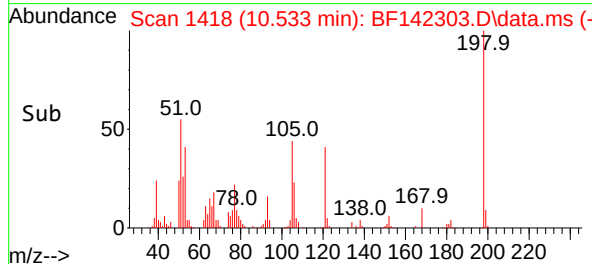
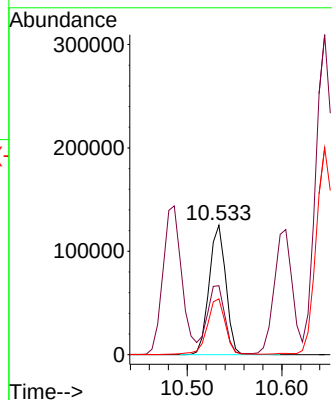
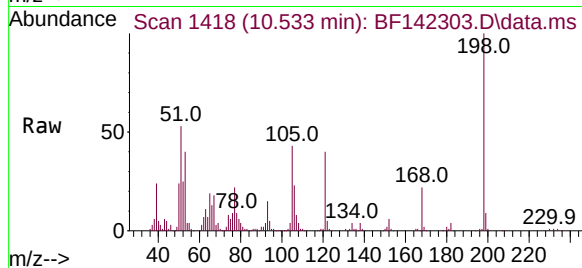
#65
4,6-Dinitro-2-methylphenol
Concen: 41.574 ng
RT: 10.533 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

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

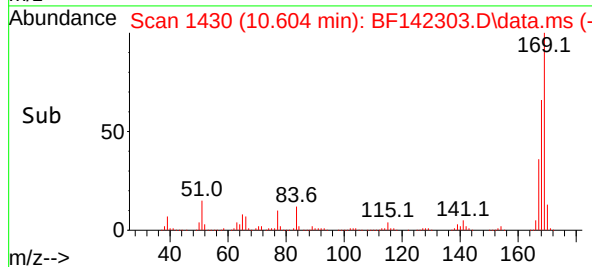
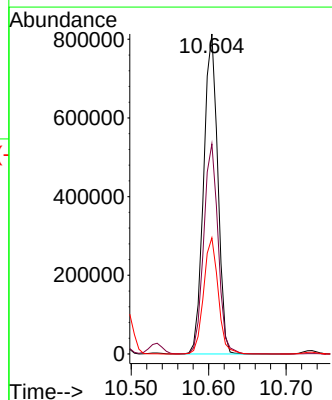
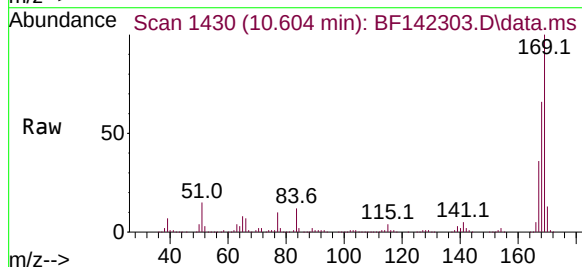
Manual Integrations
APPROVED

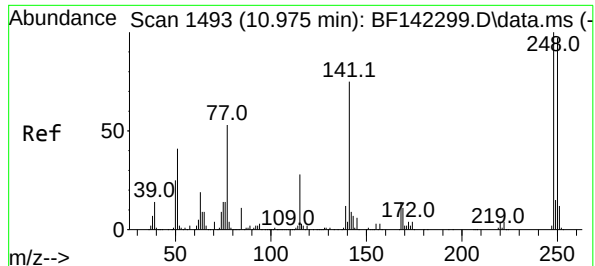
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

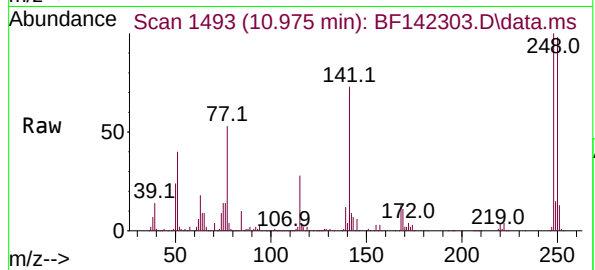
Tgt Ion:169 Resp: 1027891
Ion Ratio Lower Upper
169 100
168 65.7 53.2 79.8
167 36.3 28.9 43.3





#67
4-Bromophenyl-phenylether
Concen: 38.308 ng
RT: 10.975 min Scan# 1493
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

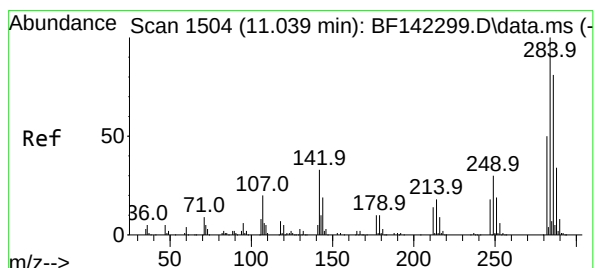
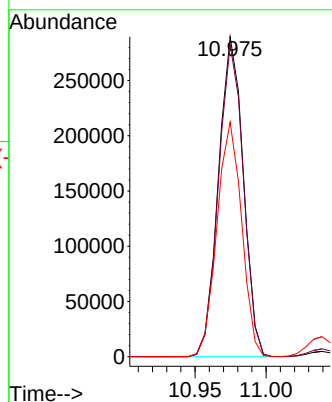
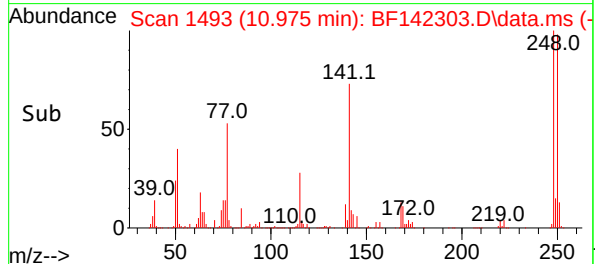
Instrument :
BNA_F
ClientSampleId :
ICVBF050525



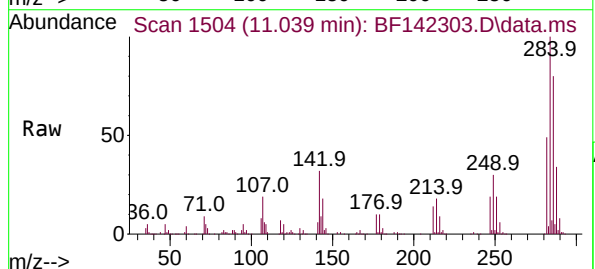
Tgt Ion:248 Resp: 352033
Ion Ratio Lower Upper
248 100
250 97.5 77.9 116.9
141 73.3 59.8 89.8

Manual Integrations
APPROVED

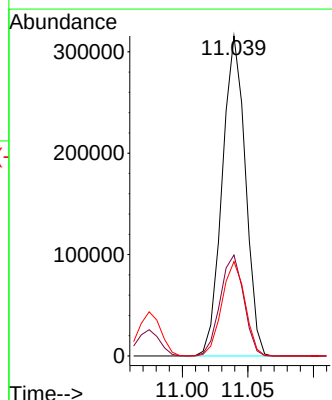
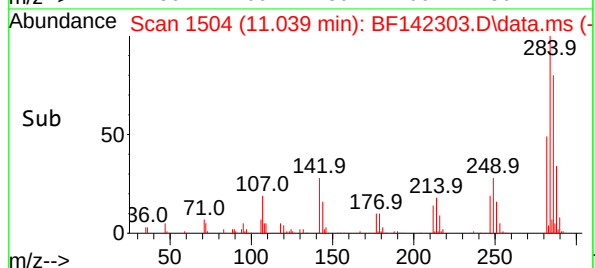
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

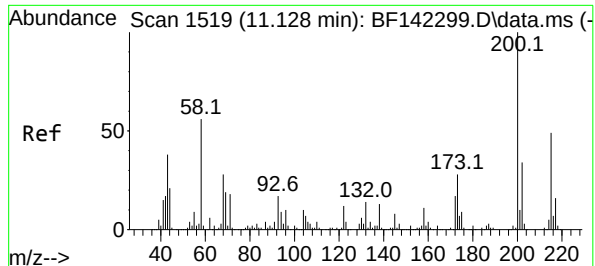


#68
Hexachlorobenzene
Concen: 38.273 ng
RT: 11.039 min Scan# 1504
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13



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# 1519

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

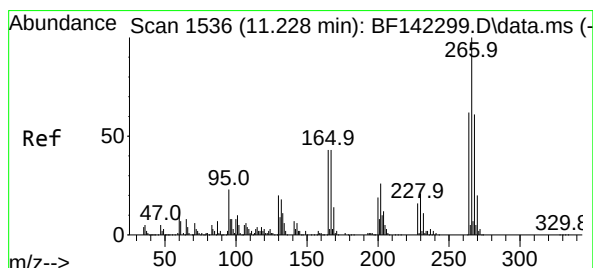
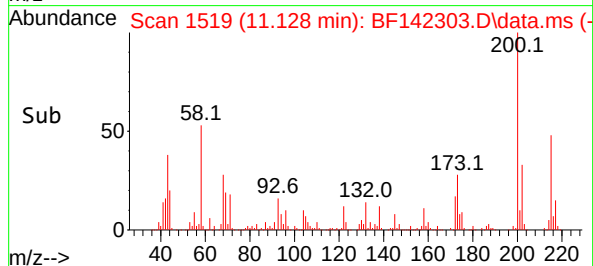
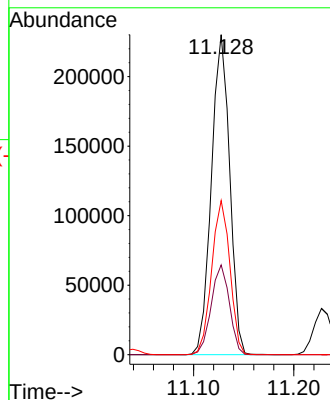
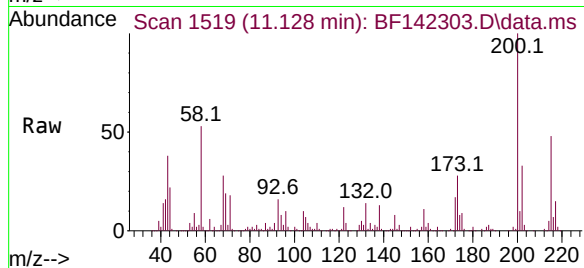
215 48.2 28.8 68.8

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

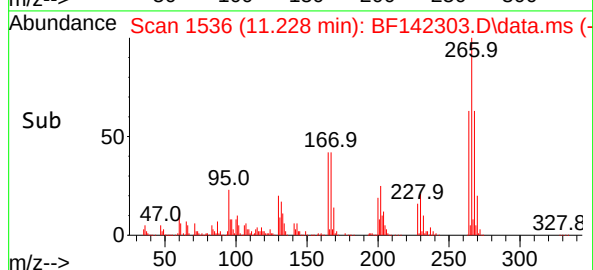
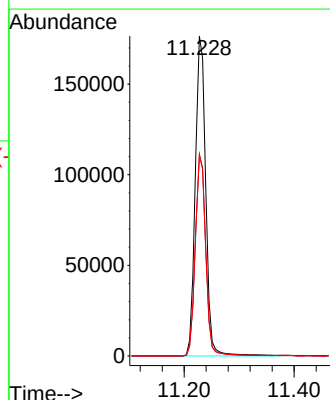
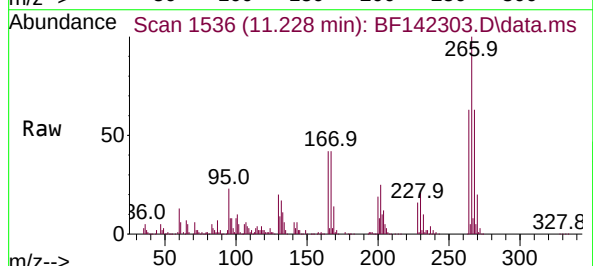
Tgt Ion:266 Resp: 233208

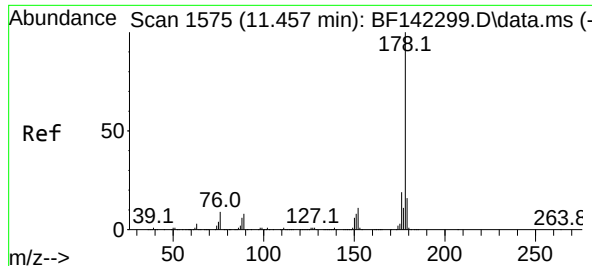
Ion Ratio Lower Upper

266 100

268 62.9 48.7 73.1

264 62.9 49.8 74.6





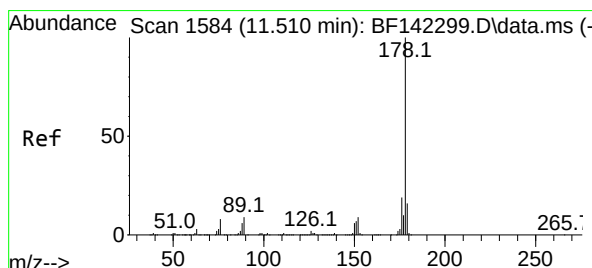
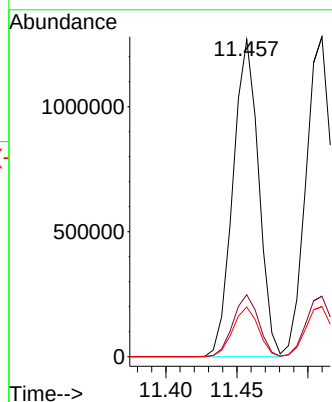
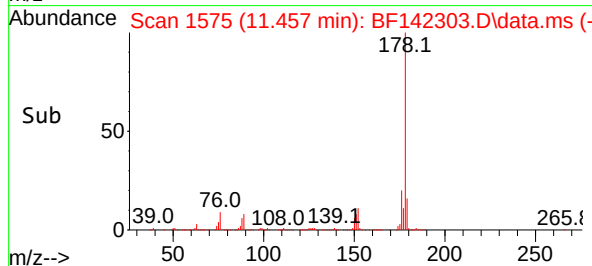
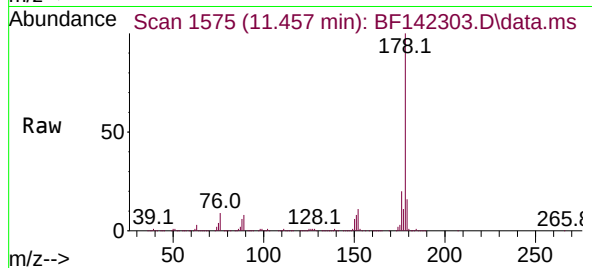
#71
Phenanthrene
Concen: 37.441 ng
RT: 11.457 min Scan# 1575
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

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

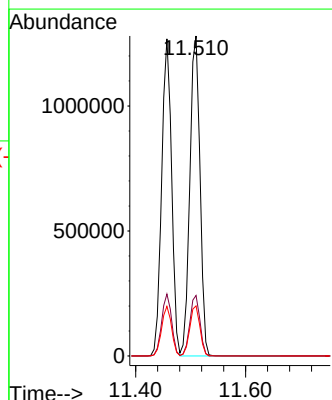
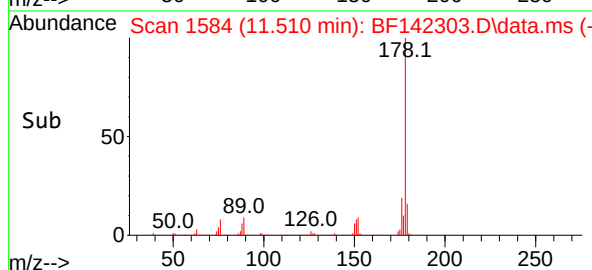
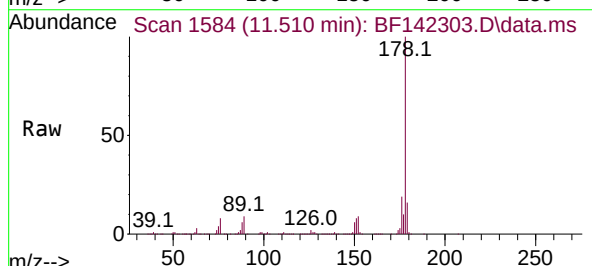
Manual Integrations
APPROVED

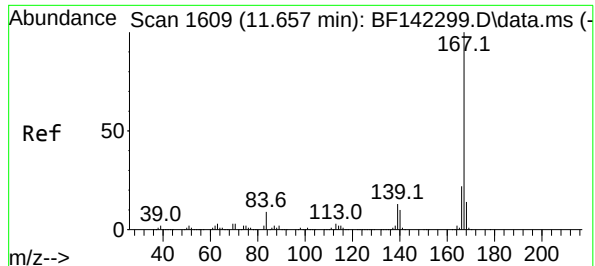
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

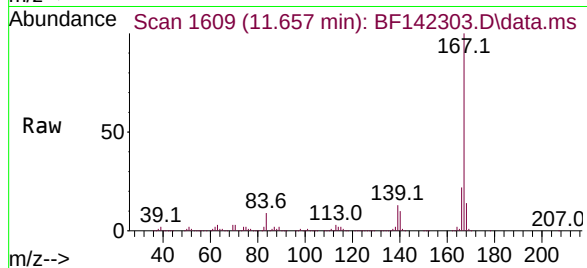
Tgt Ion:178 Resp: 1633756
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 15.7 12.6 18.8





#73
Carbazole
Concen: 37.428 ng
RT: 11.657 min Scan# 1609
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

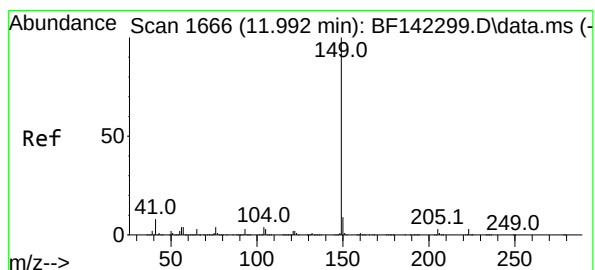
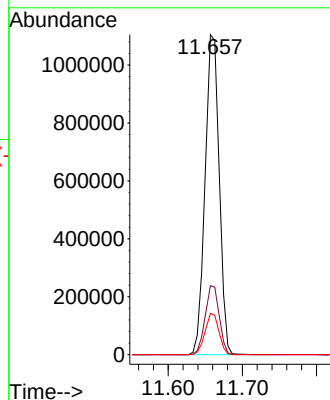
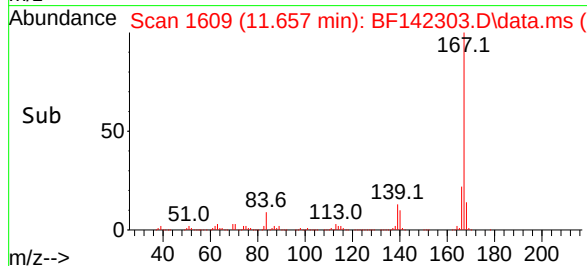
Instrument :
BNA_F
ClientSampleId :
ICVBF050525



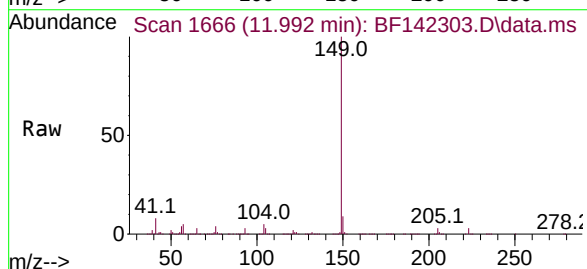
Tgt Ion:167 Resp: 1466430
Ion Ratio Lower Upper
167 100
166 21.6 17.2 25.8
139 12.9 10.3 15.5

Manual Integrations
APPROVED

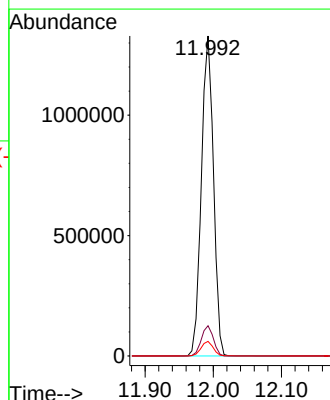
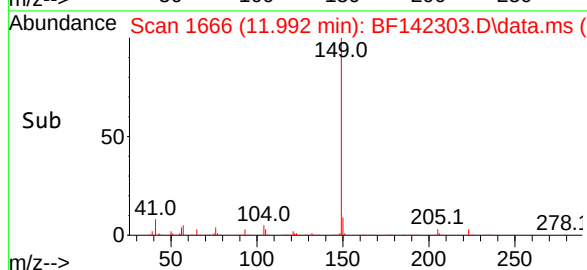
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

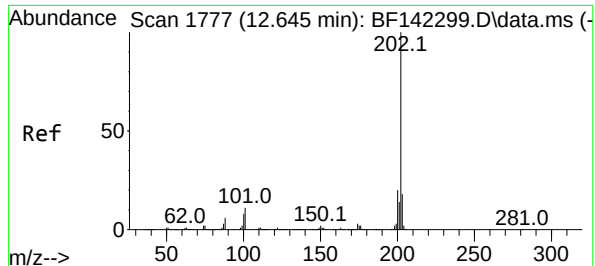


#74
Di-n-butylphthalate
Concen: 39.694 ng
RT: 11.992 min Scan# 1666
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13



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





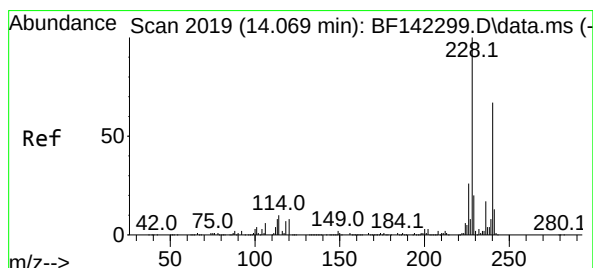
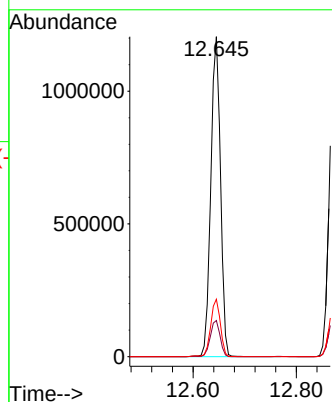
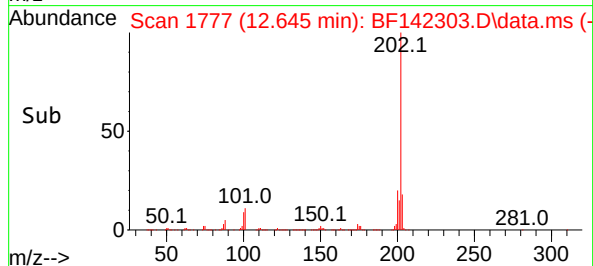
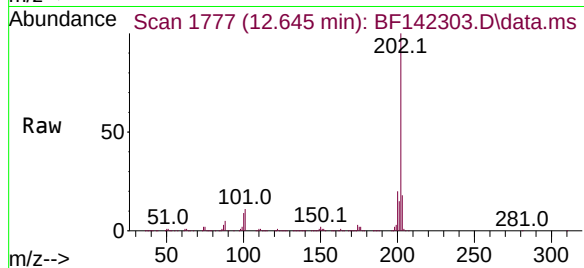
#75
Fluoranthene
Concen: 36.731 ng
RT: 12.645 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Tgt Ion:202 Resp: 156055
Ion Ratio Lower Upper
202 100
101 11.3 0.0 31.4
203 18.0 0.0 37.9

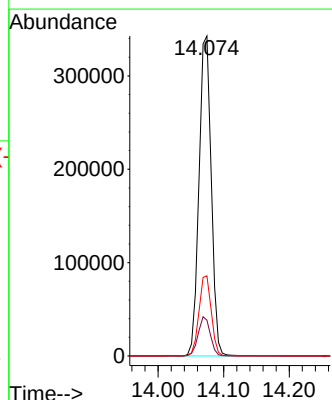
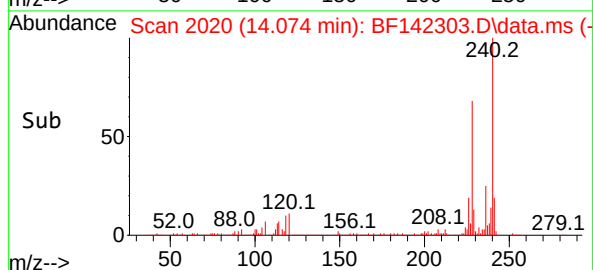
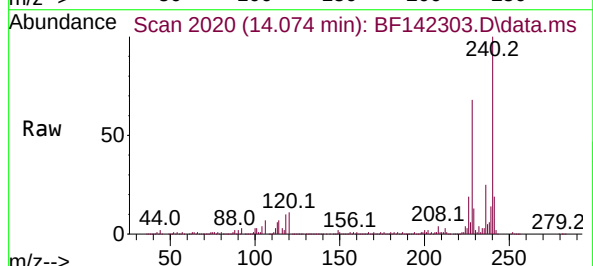
Manual Integrations
APPROVED

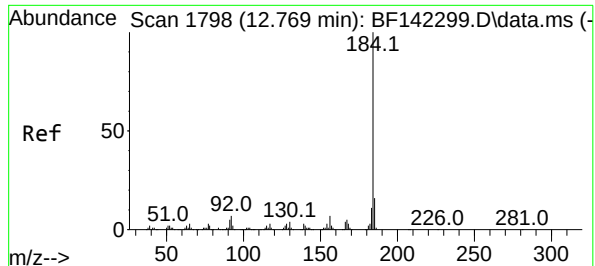
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

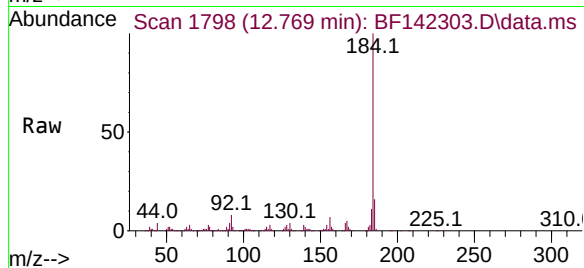
Tgt Ion:240 Resp: 446151
Ion Ratio Lower Upper
240 100
120 11.2 9.7 14.5
236 25.1 20.0 30.0





#77
Benzidine
Concen: 43.136 ng
RT: 12.769 min Scan# 1798
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

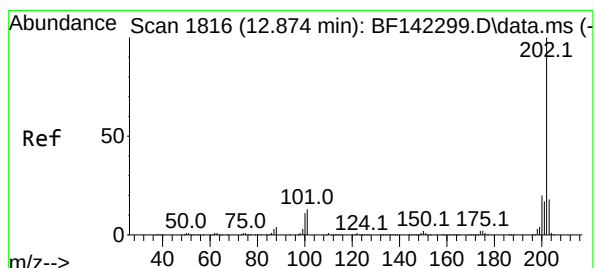
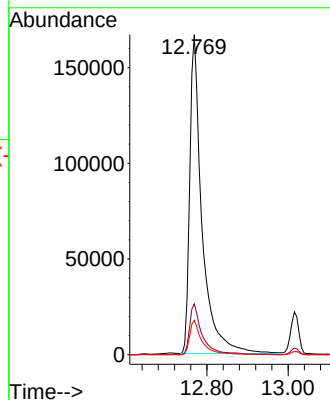
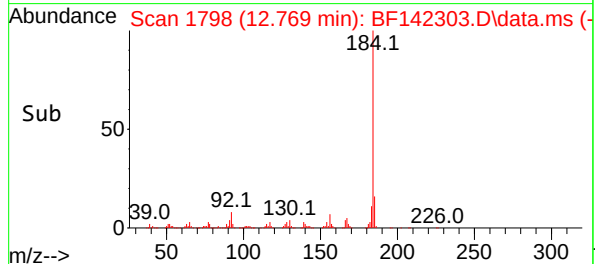
Instrument :
BNA_F
ClientSampleId :
ICVBF050525



Tgt Ion:184 Resp: 34974
Ion Ratio Lower Upper
184 100
185 15.9 12.6 18.8
183 10.8 8.6 12.8

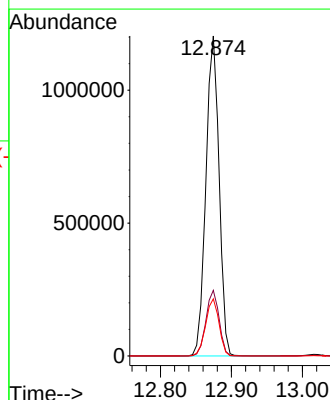
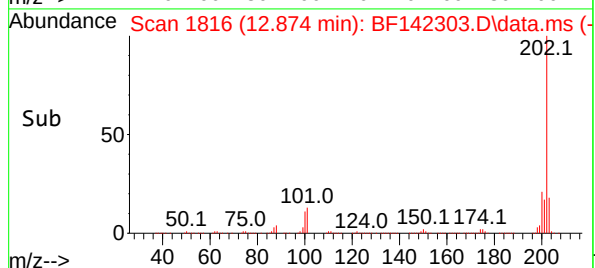
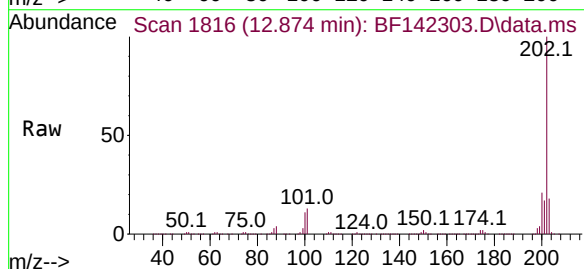
Manual Integrations
APPROVED

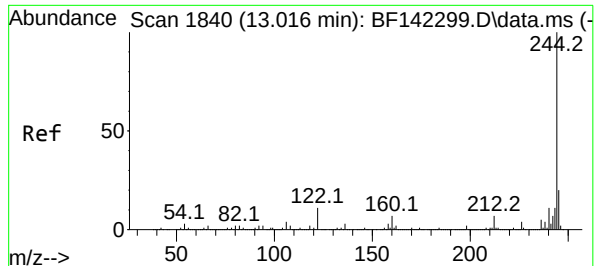
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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# 1840

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: 230192

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.2

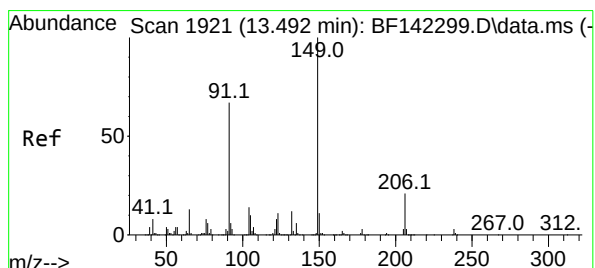
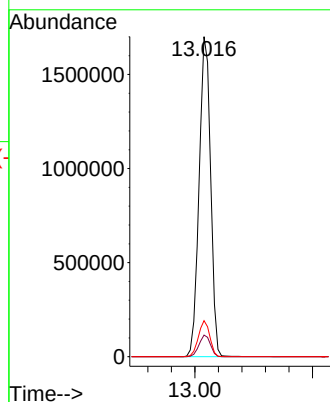
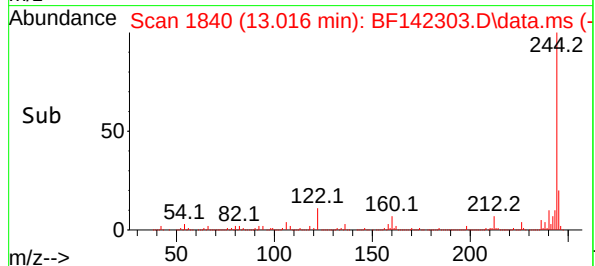
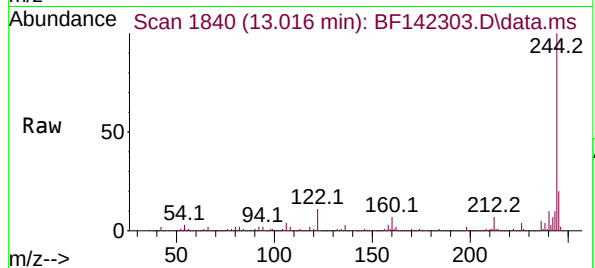
122 11.3 9.0 13.4

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

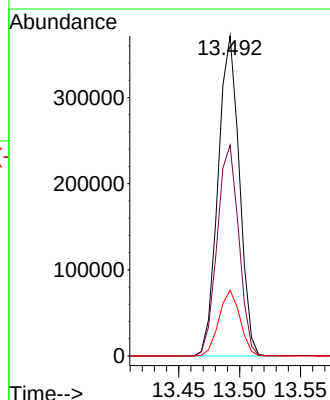
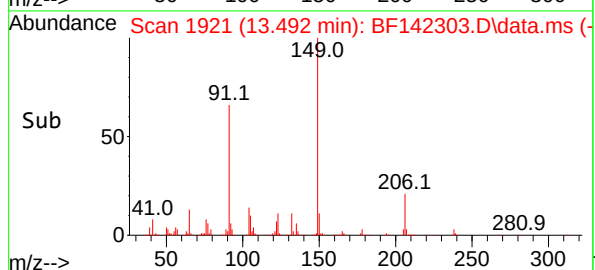
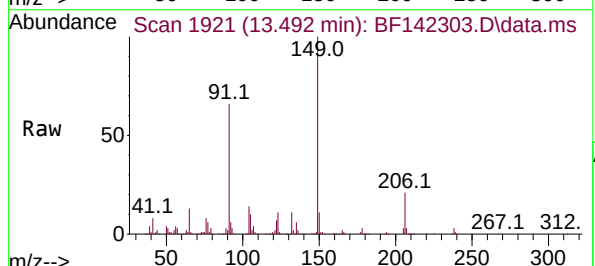
Tgt Ion:149 Resp: 451916

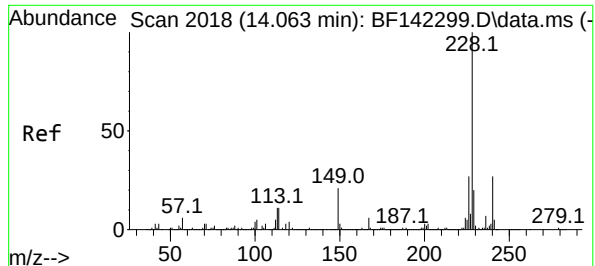
Ion Ratio Lower Upper

149 100

91 65.8 53.8 80.6

206 20.5 16.6 24.8





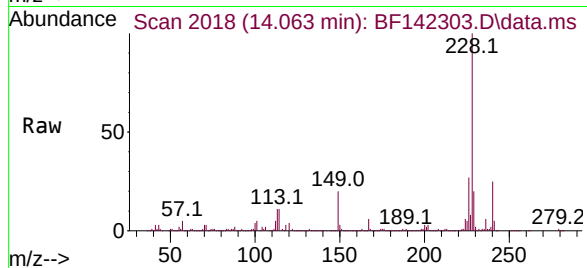
#81
Benzo(a)anthracene
Concen: 38.827 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Instrument :

BNA_F

ClientSampleId :

ICVBF050525

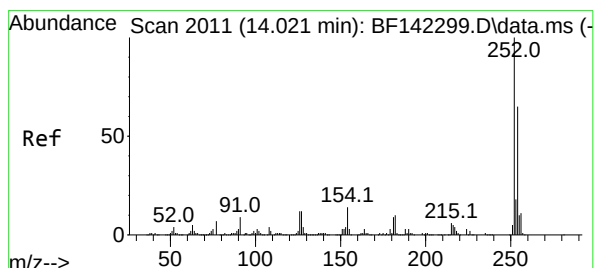
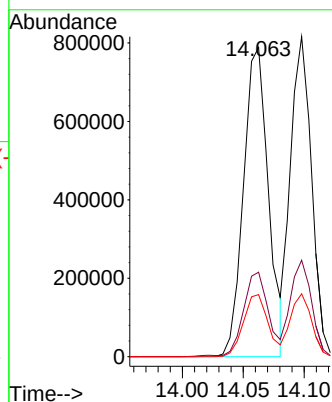
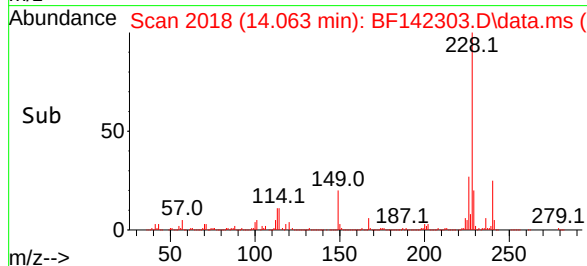


Tgt Ion:228 Resp: 112183
Ion Ratio Lower Upper
228 100
226 27.3 21.5 32.3
229 20.0 15.9 23.9

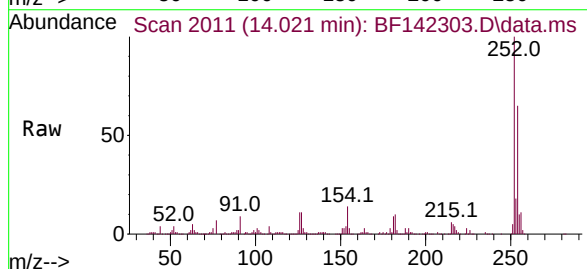
Manual Integrations

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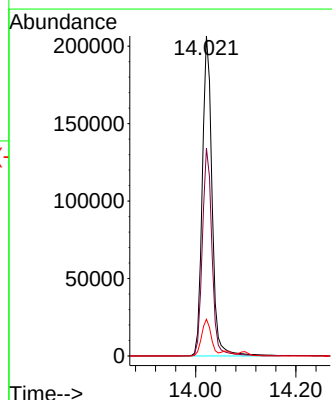
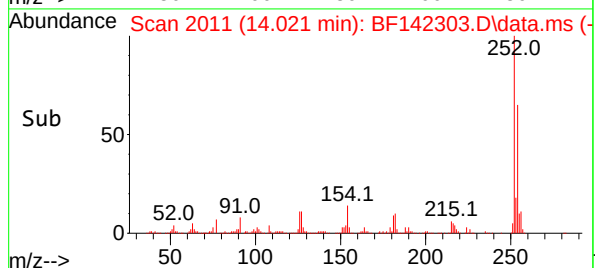
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

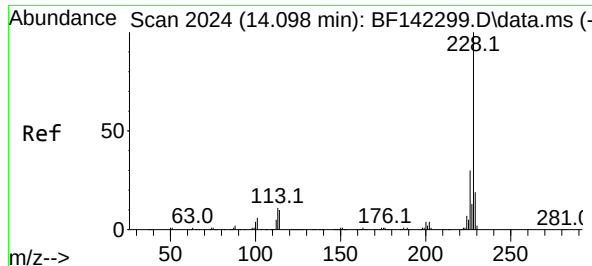


#82
3,3'-Dichlorobenzidine
Concen: 41.464 ng
RT: 14.021 min Scan# 2011
Delta R.T. 0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13



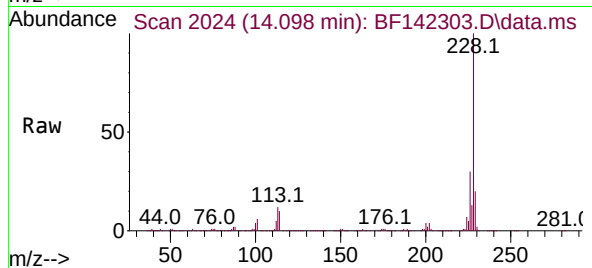
Tgt Ion:252 Resp: 278603
Ion Ratio Lower Upper
252 100
254 64.9 52.0 78.0
126 11.5 9.7 14.5





#83
Chrysene
Concen: 36.701 ng
RT: 14.098 min Scan# 2024
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

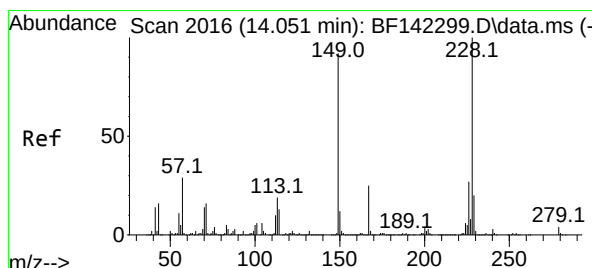
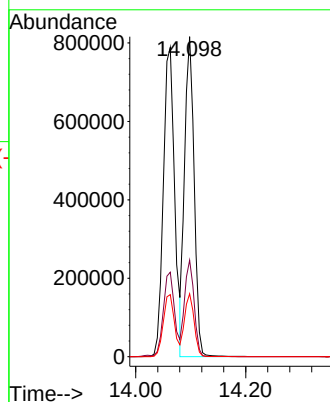
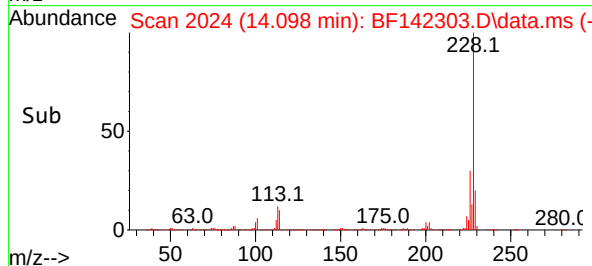
Instrument :
BNA_F
ClientSampleId :
ICVBF050525



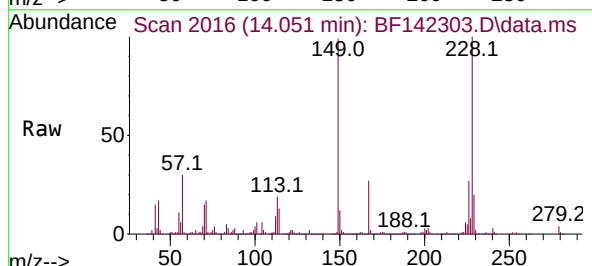
Tgt Ion:228 Resp: 987170
Ion Ratio Lower Upper
228 100
226 30.2 23.9 35.9
229 19.7 15.4 23.2

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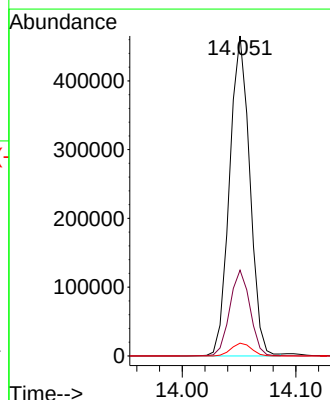
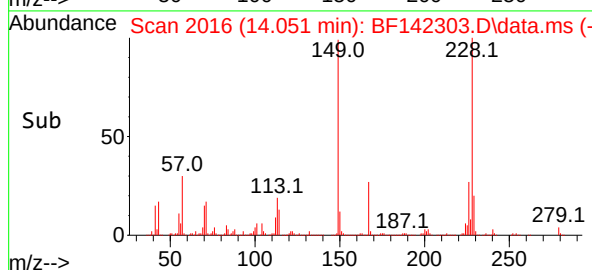
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025

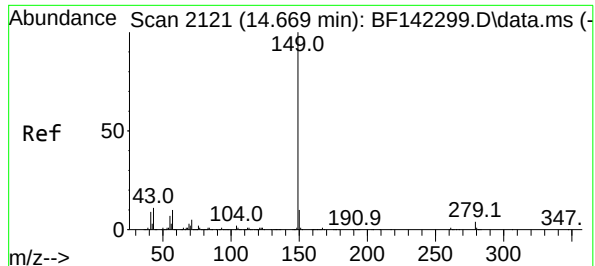


#84
Bis(2-ethylhexyl)phthalate
Concen: 39.051 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13



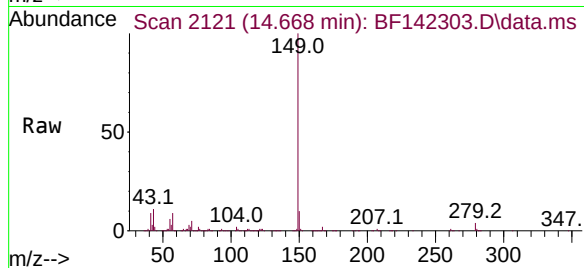
Tgt Ion:149 Resp: 576295
Ion Ratio Lower Upper
149 100
167 26.8 22.0 33.0
279 4.0 3.0 4.6





#85
Di-n-octyl phthalate
Concen: 40.234 ng
RT: 14.668 min Scan# 2121
Delta R.T. -0.001 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

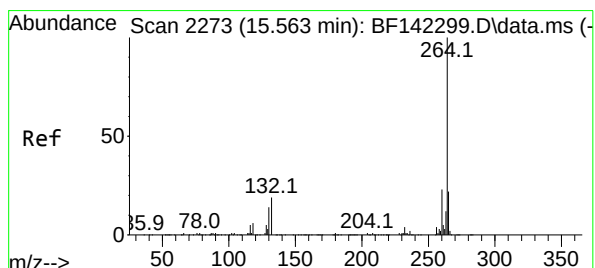
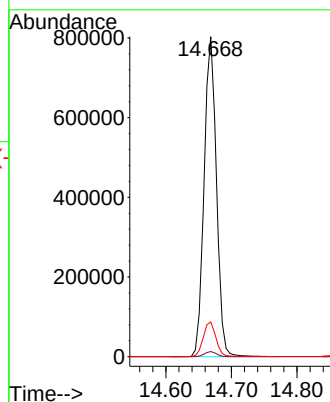
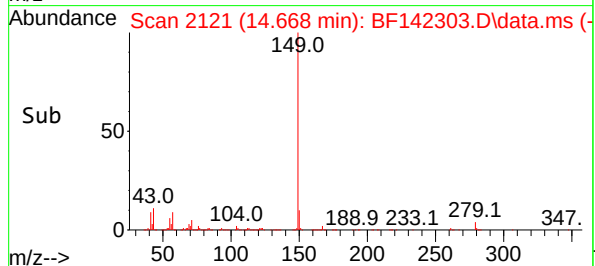
Instrument :
BNA_F
ClientSampleId :
ICVBF050525



Tgt Ion:149 Resp: 105357
Ion Ratio Lower Upper
149 100
167 1.6 1.1 1.7
43 11.3 9.2 13.8

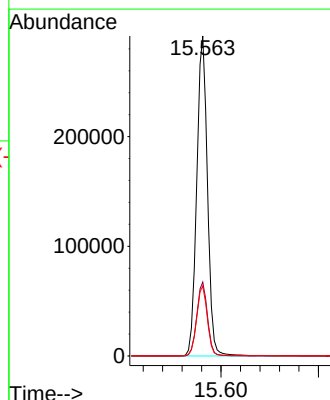
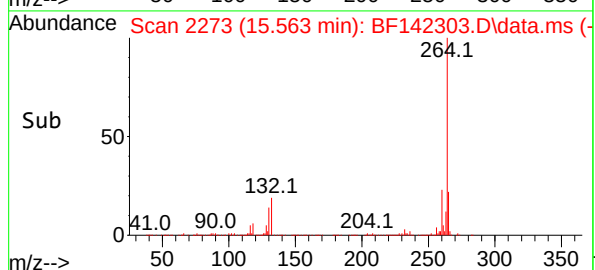
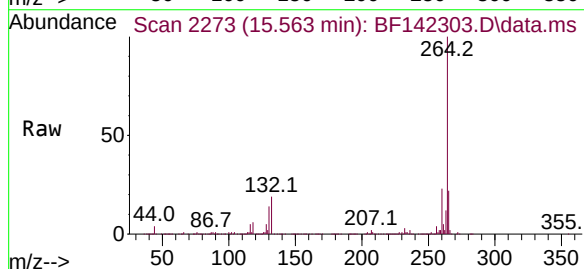
Manual Integrations
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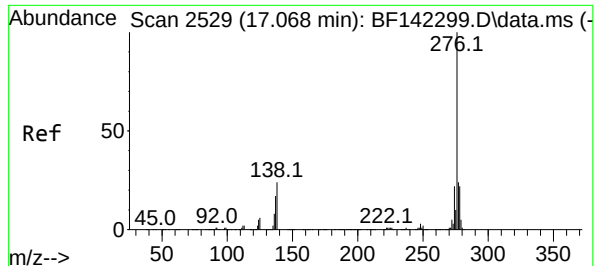
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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

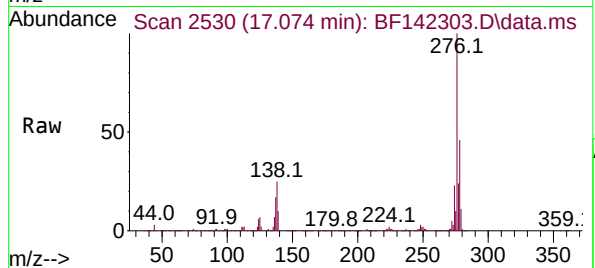
Tgt Ion:264 Resp: 447218
Ion Ratio Lower Upper
264 100
260 23.1 18.6 27.8
265 21.9 17.5 26.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 40.452 ng
RT: 17.074 min Scan# 2530
Delta R.T. 0.006 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

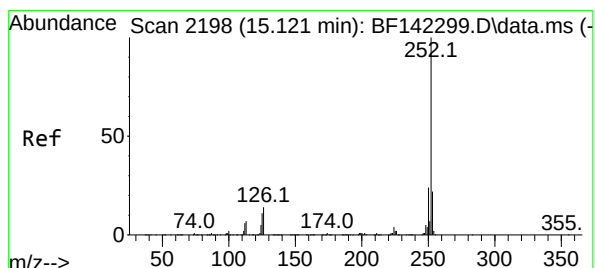
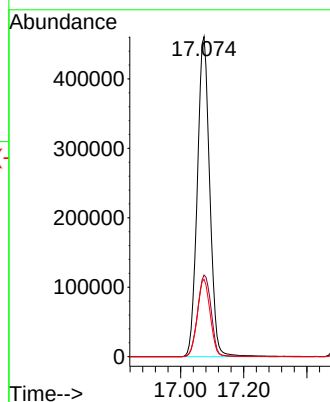
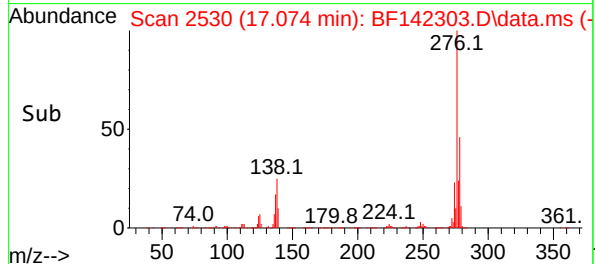
Instrument :
BNA_F
ClientSampleId :
ICVBF050525



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

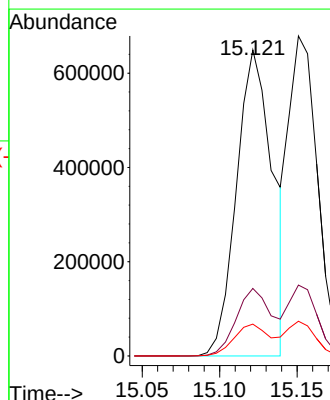
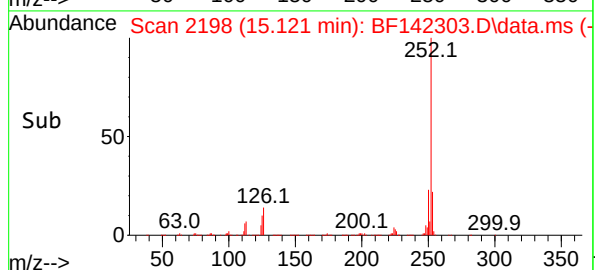
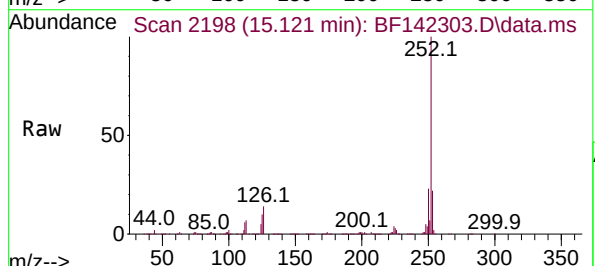
Manual Integrations
APPROVED

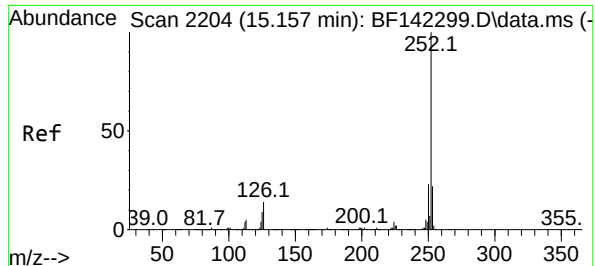
Reviewed By :Rahul Chavli 05/06/2025
Supervised By :Jagrut Upadhyay 05/06/2025



#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# 21

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

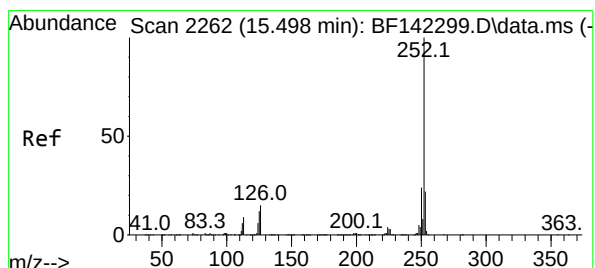
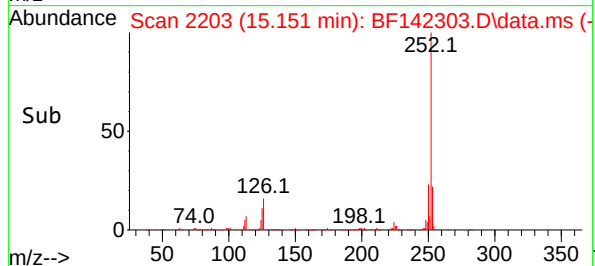
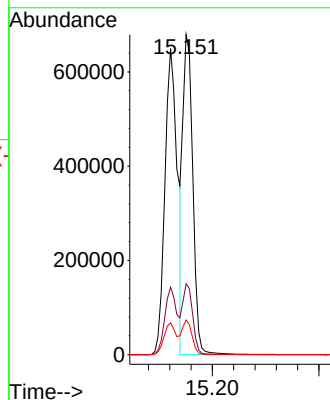
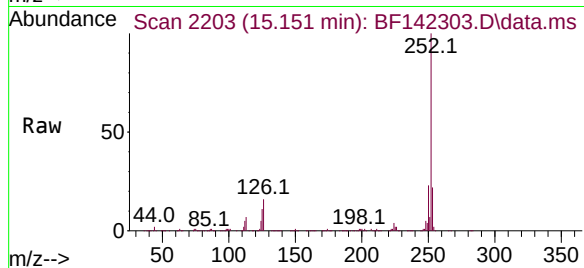
125 10.8 8.1 12.1

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

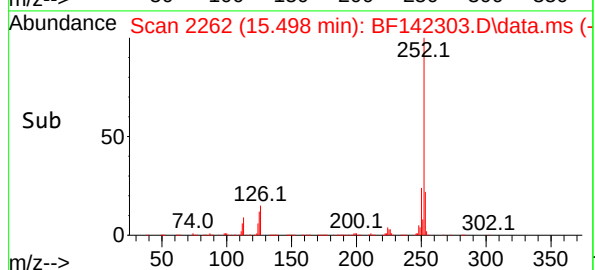
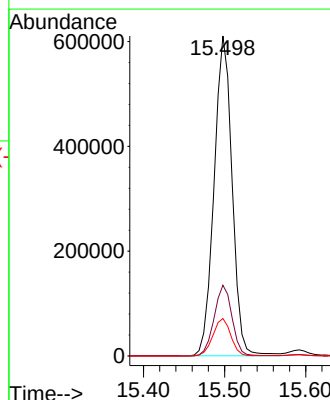
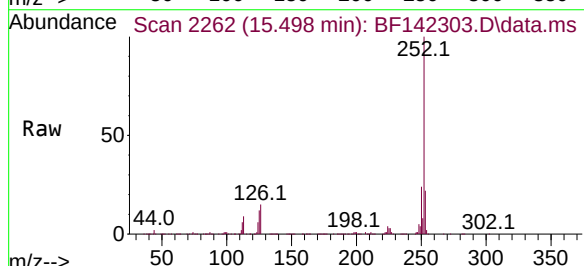
Tgt Ion:252 Resp: 943474

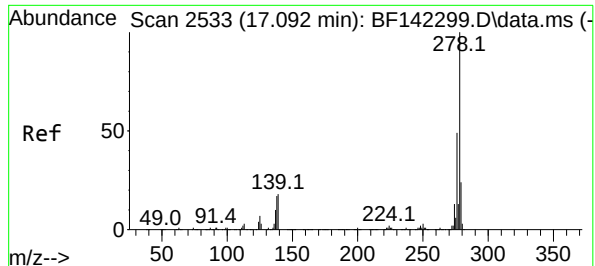
Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.6

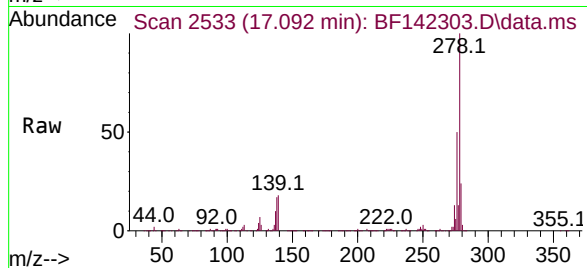
125 11.7 9.4 14.0





#91
Dibenzo(a,h)anthracene
Concen: 40.084 ng
RT: 17.092 min Scan# 2533
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

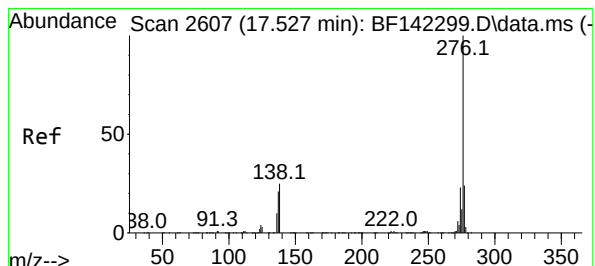
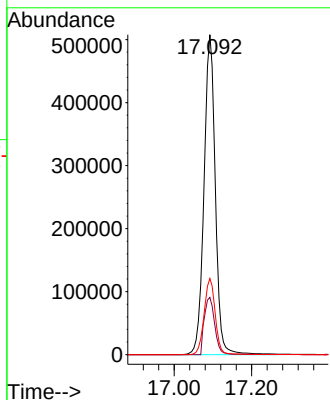
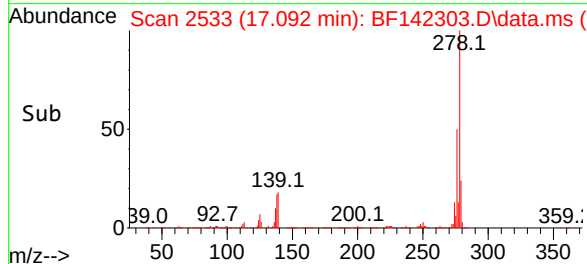
Instrument :
BNA_F
ClientSampleId :
ICVBF050525



Tgt Ion:278 Resp: 103021
Ion Ratio Lower Upper
278 100
139 17.9 14.5 21.7
279 23.8 18.9 28.3

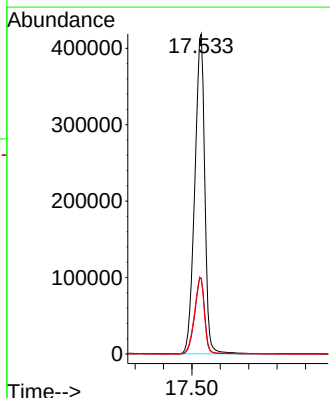
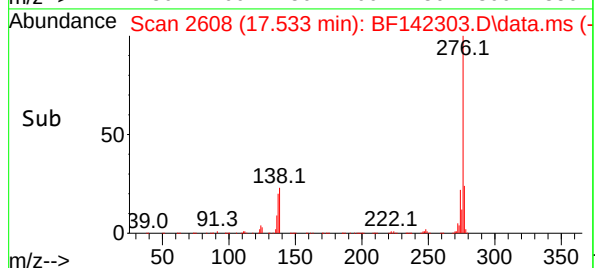
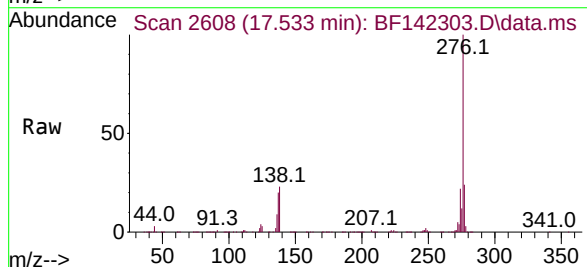
Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 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
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1 I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	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	Benzydine	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



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	



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.

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 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

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 Acq On : 15 May 2025 10:08
 Operator : RC/JU
 Sample : SSTDCCC040
 Misc :
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

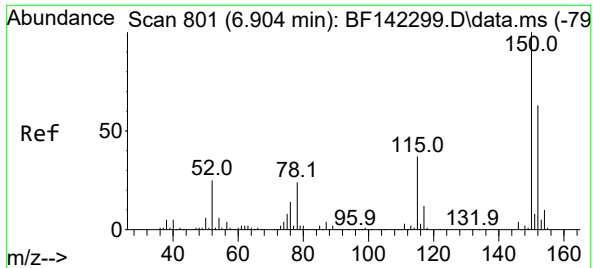
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 05 18:41:44 2025
 Response via : Initial Calibration

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

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

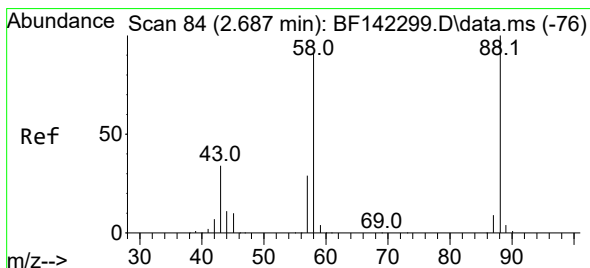
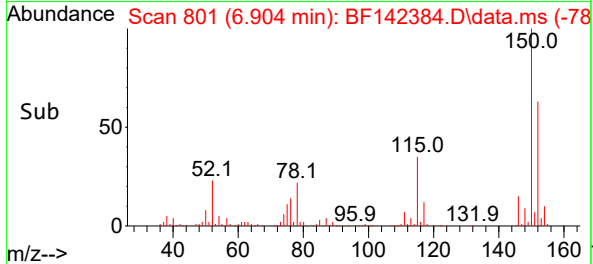
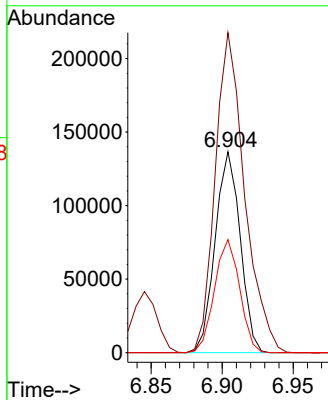
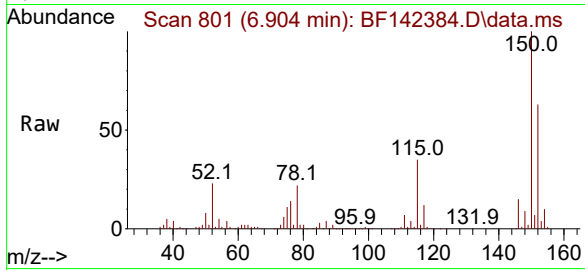
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

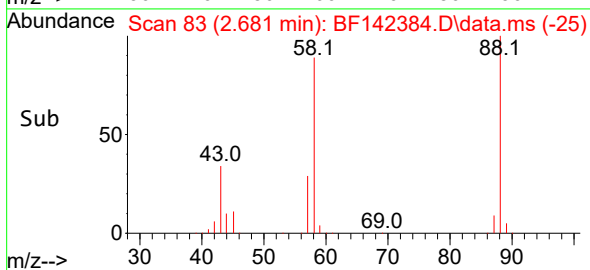
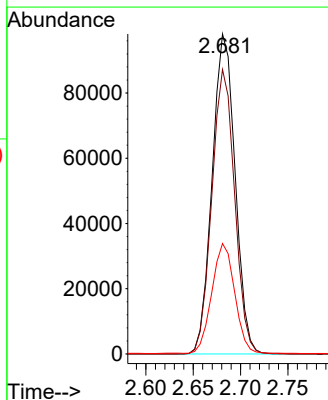
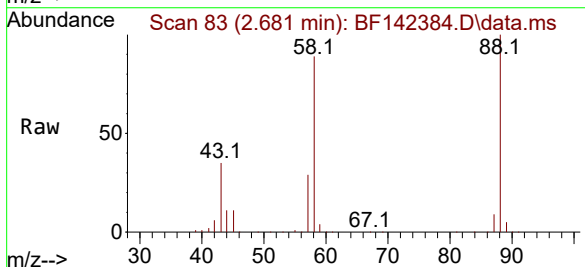
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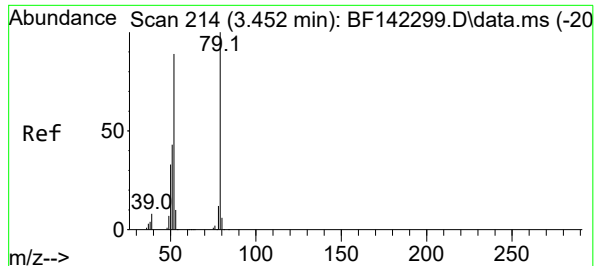
Tgt Ion:152 Resp: 167469
Ion Ratio Lower Upper
152 100
150 159.2 126.6 190.0
115 56.3 47.3 70.9



#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

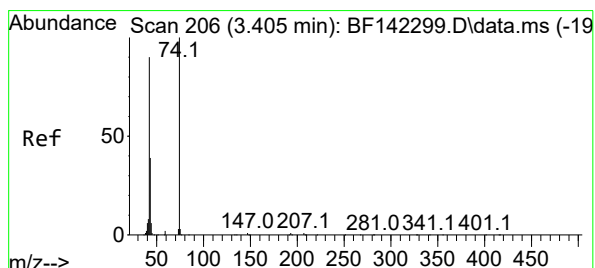
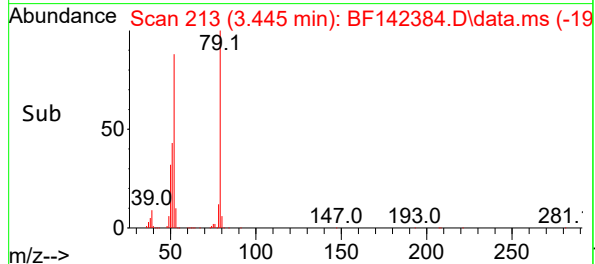
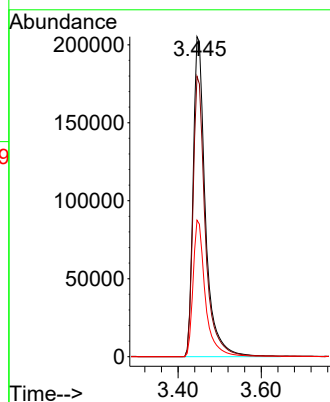
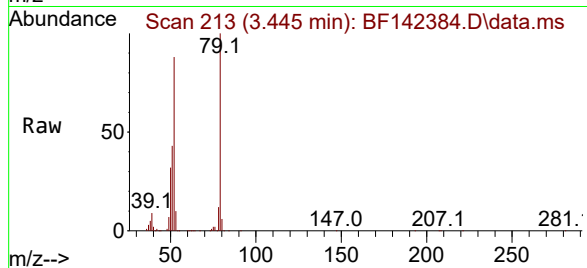




#3
Pyridine
Concen: 40.797 ng
RT: 3.445 min Scan# 214
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

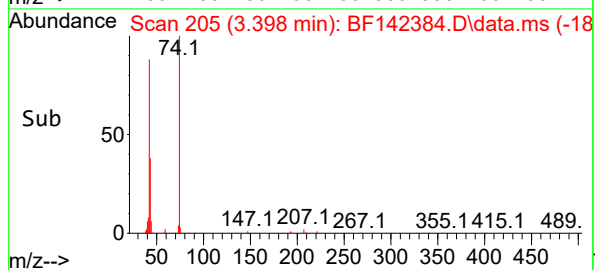
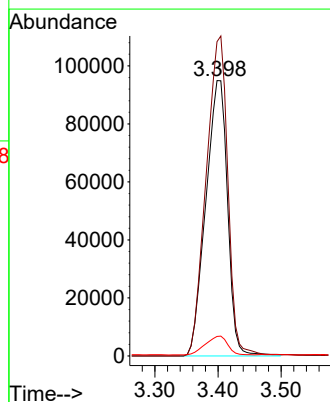
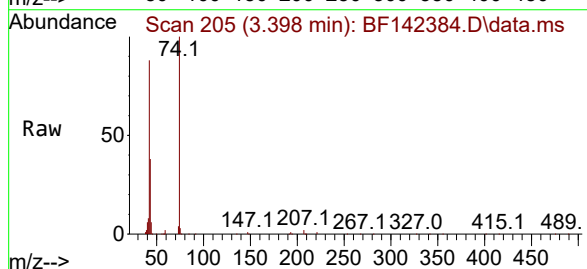
Instrument :
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ClientSampleId :
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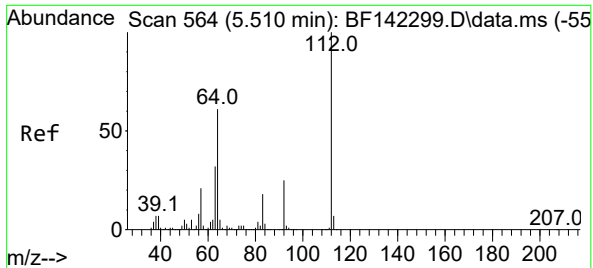
Tgt Ion: 79 Resp: 423152
Ion Ratio Lower Upper
79 100
52 87.6 71.0 106.4
51 42.7 34.9 52.3



#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

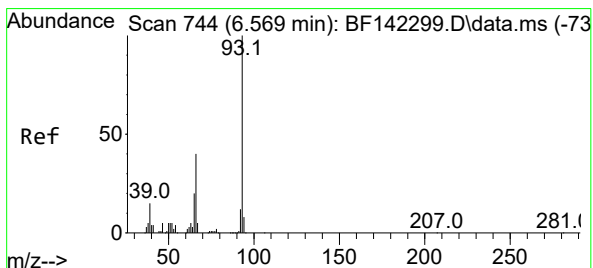
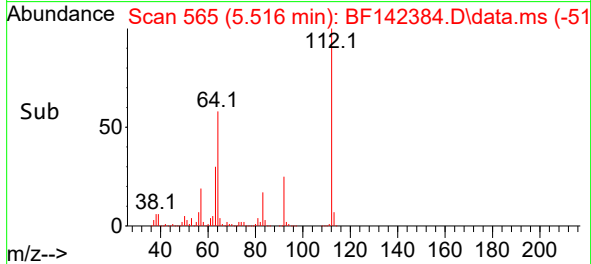
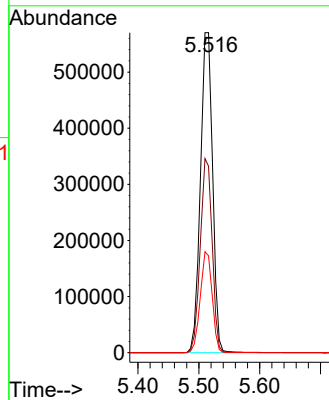
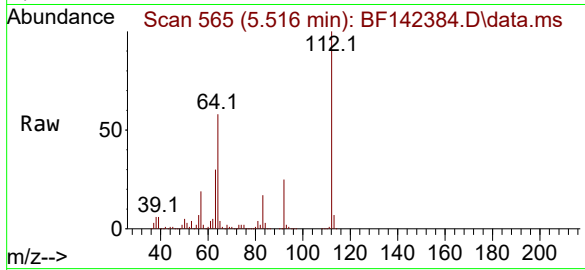




#5
2-Fluorophenol
Concen: 80.905 ng
RT: 5.516 min Scan# 51
Delta R.T. 0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

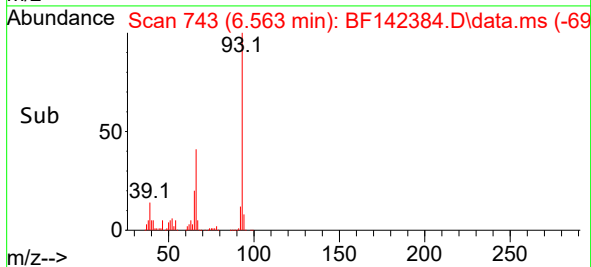
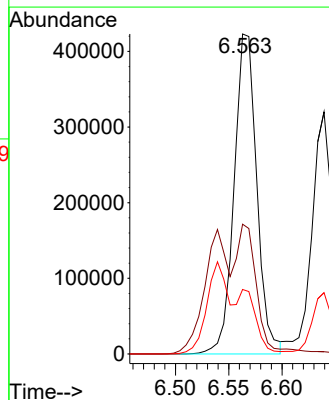
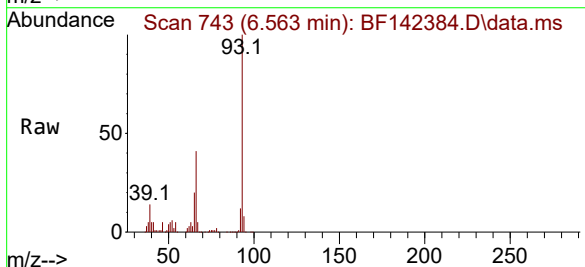
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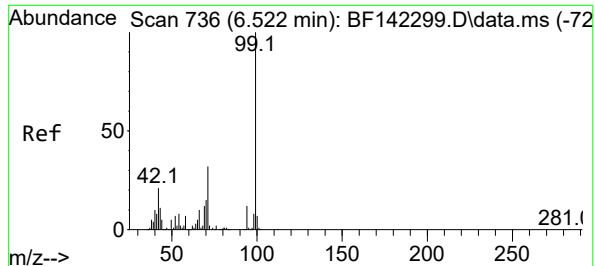
Tgt Ion:112 Resp: 793699
Ion Ratio Lower Upper
112 100
64 58.3 48.9 73.3
63 30.3 25.6 38.4



#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# 71

Delta R.T. 0.006 min

Lab File: BF142384.D

Acq: 15 May 2025 10:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

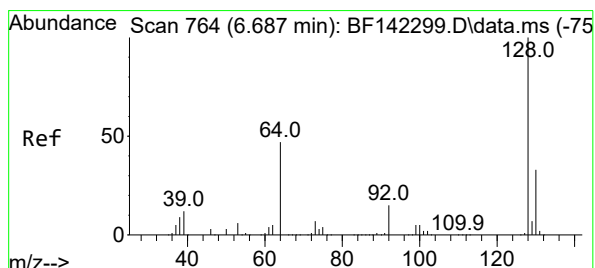
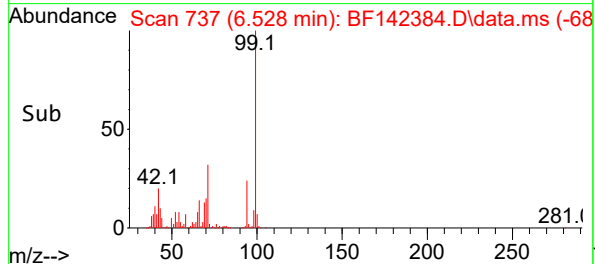
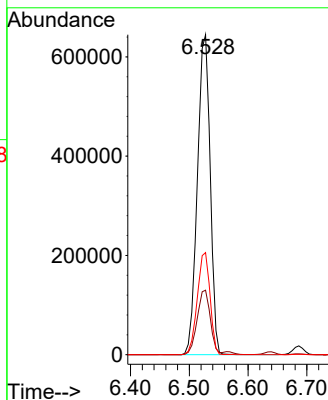
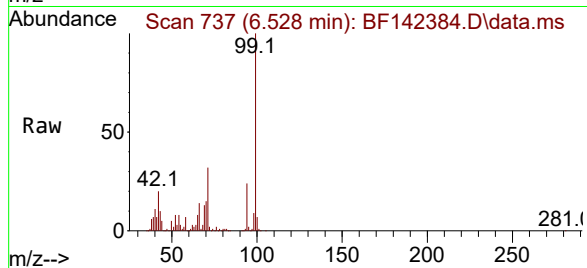
Tgt Ion: 99 Resp: 973163

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

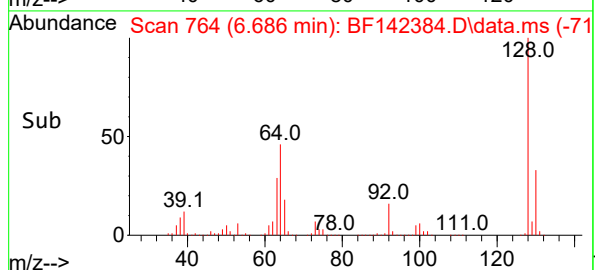
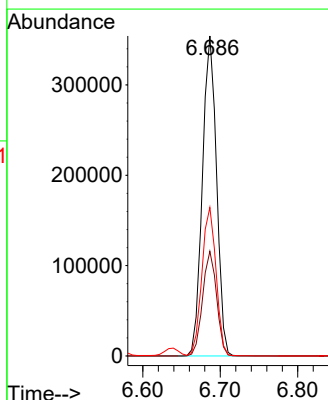
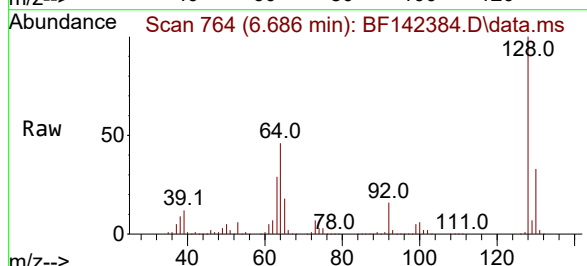
Tgt Ion: 128 Resp: 449181

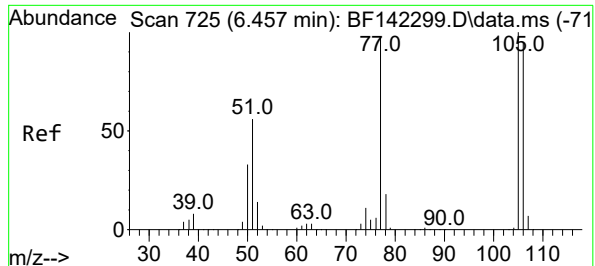
Ion Ratio Lower Upper

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# 71

Delta R.T. -0.006 min

Lab File: BF142384.D

Acq: 15 May 2025 10:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

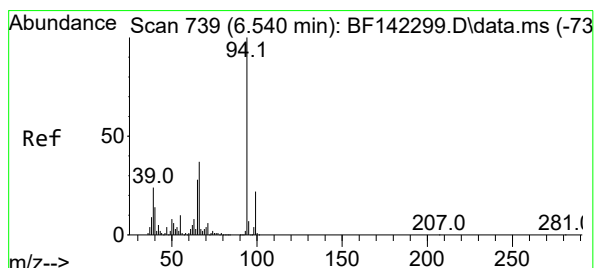
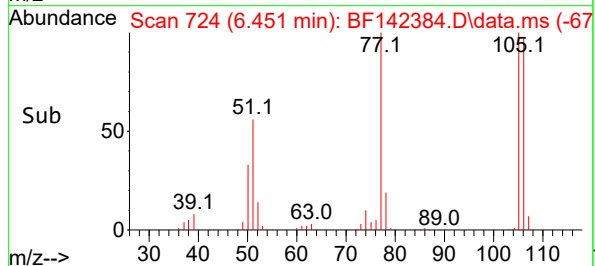
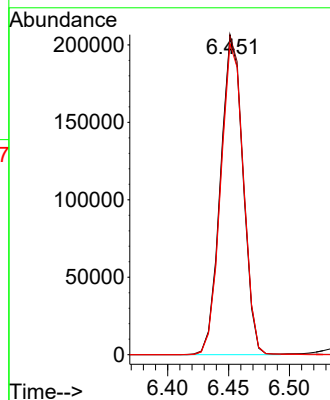
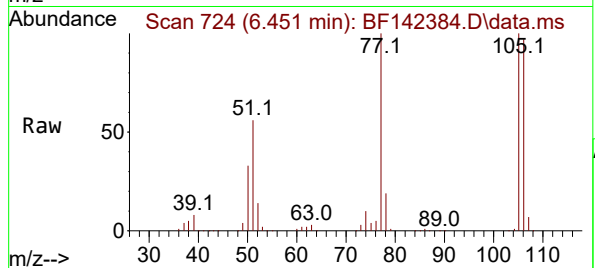
Tgt Ion: 77 Resp: 264659

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

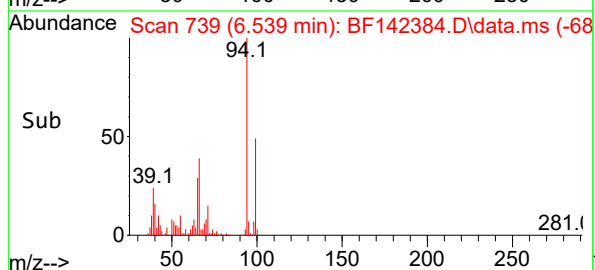
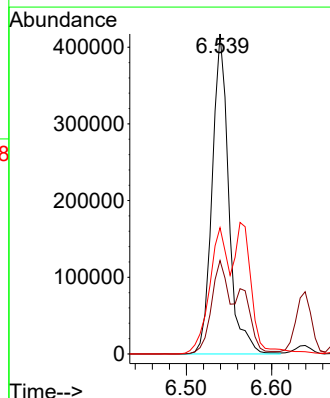
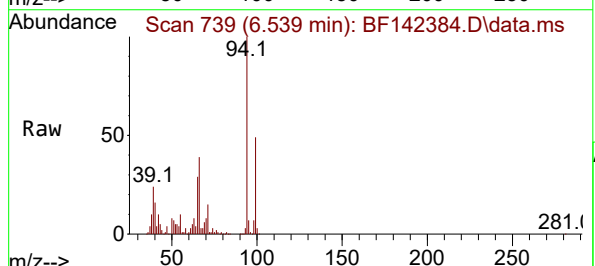
Tgt Ion: 94 Resp: 564949

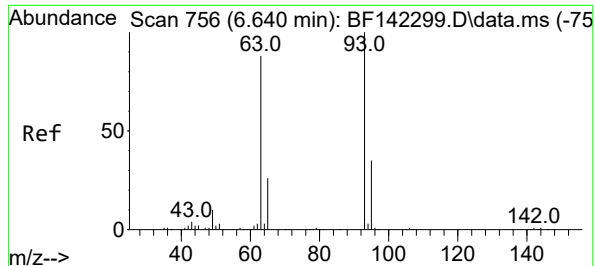
Ion Ratio Lower Upper

94 100

65 29.2 8.5 48.5

66 39.5 17.3 57.3

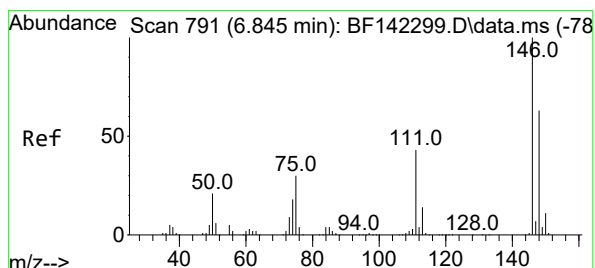
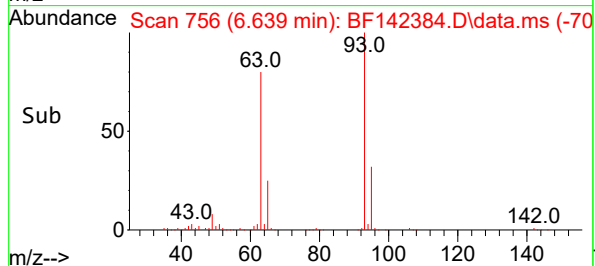
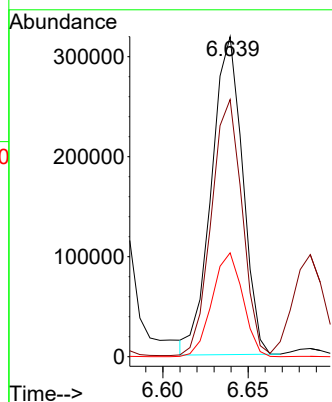
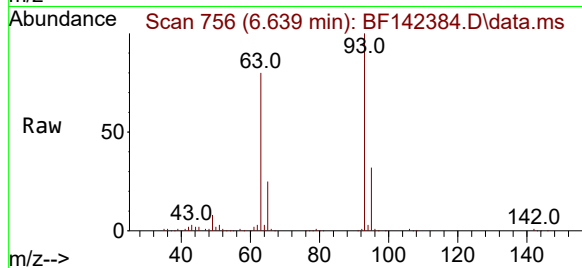




#11
bis(2-Chloroethyl)ether
Concen: 32.018 ng
RT: 6.639 min Scan# 756
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

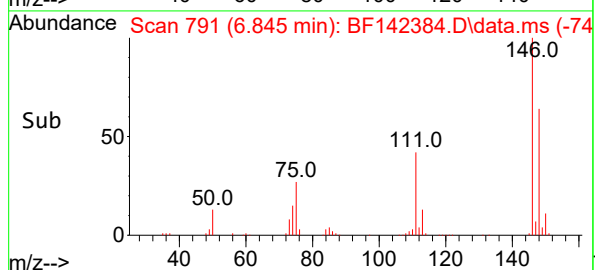
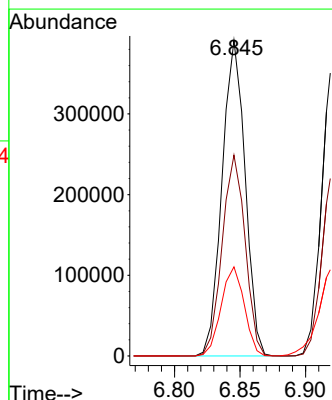
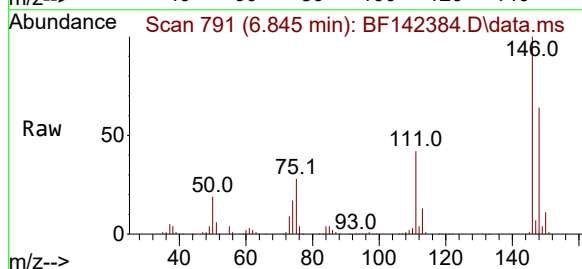
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

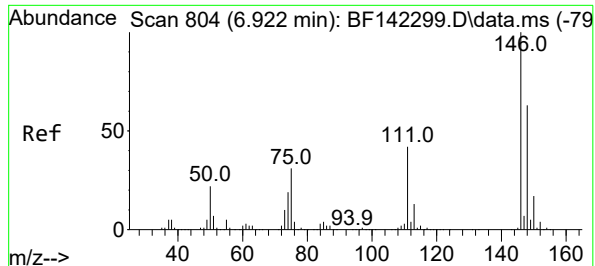
Tgt Ion: 93 Resp: 403831
Ion Ratio Lower Upper
93 100
63 80.3 58.4 98.4
95 32.5 10.6 50.6



#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# 80

Delta R.T. -0.000 min

Lab File: BF142384.D

Acq: 15 May 2025 10:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

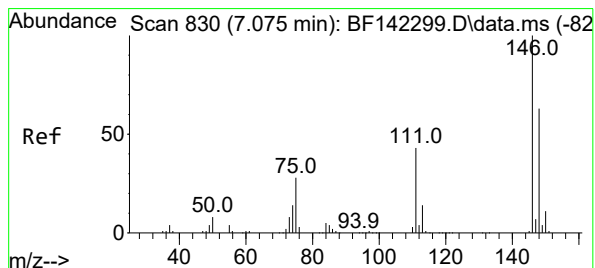
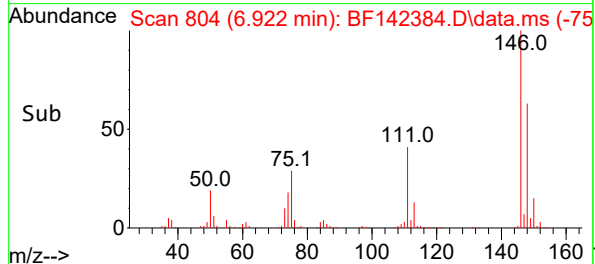
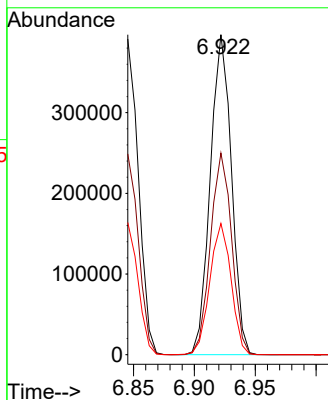
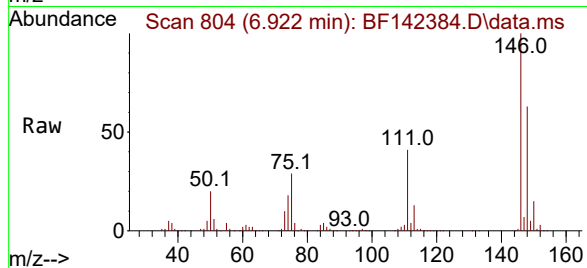
Tgt Ion:146 Resp: 479424

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

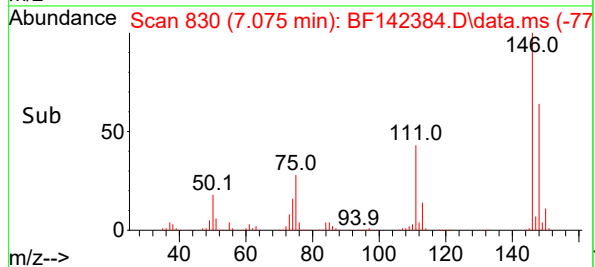
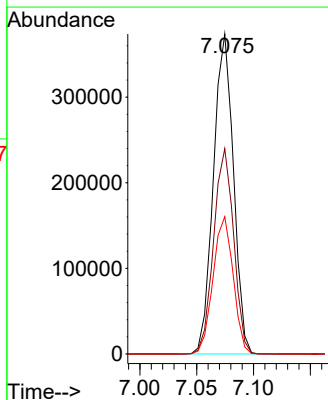
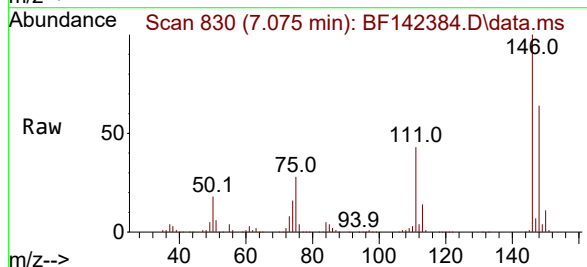
Tgt Ion:146 Resp: 459174

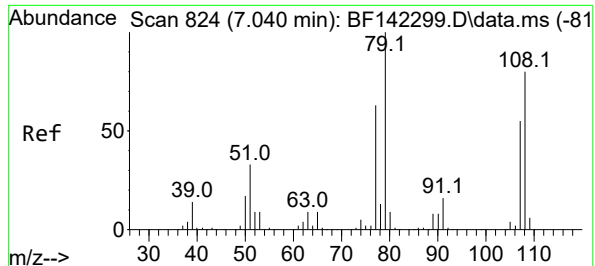
Ion Ratio Lower Upper

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# 81

Delta R.T. -0.000 min

Lab File: BF142384.D

Acq: 15 May 2025 10:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

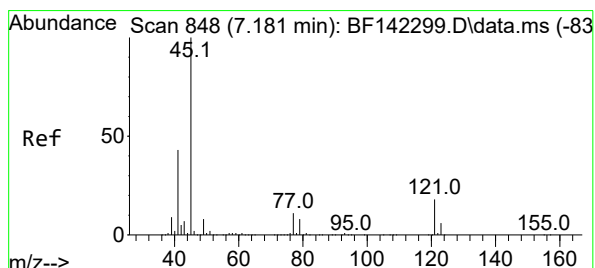
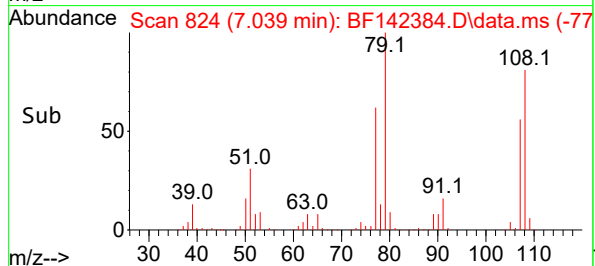
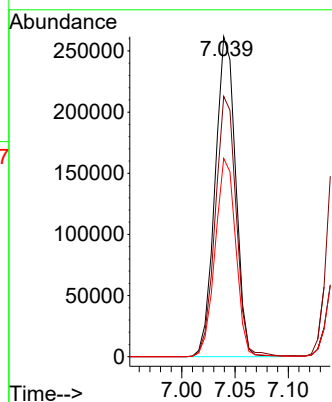
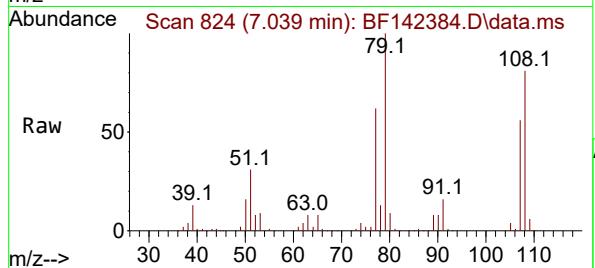
Tgt Ion: 79 Resp: 350796

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

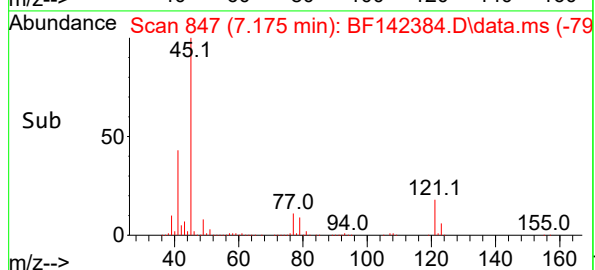
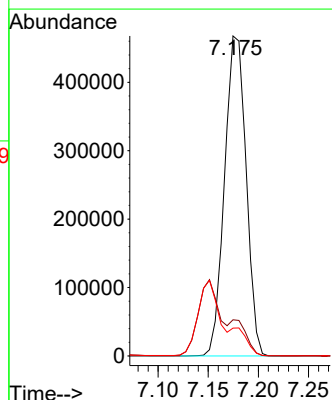
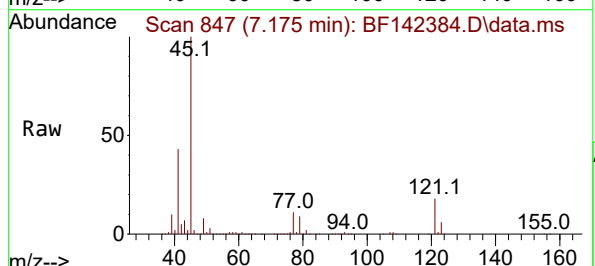
Tgt Ion: 45 Resp: 699875

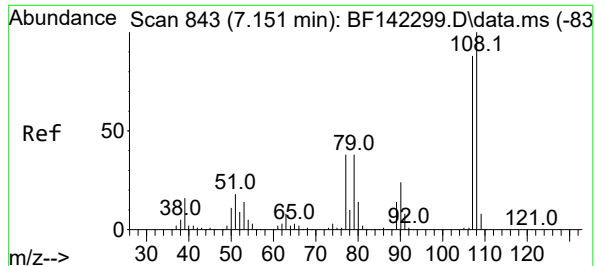
Ion Ratio Lower Upper

45 100

77 11.3 0.0 31.2

79 8.7 0.0 28.5

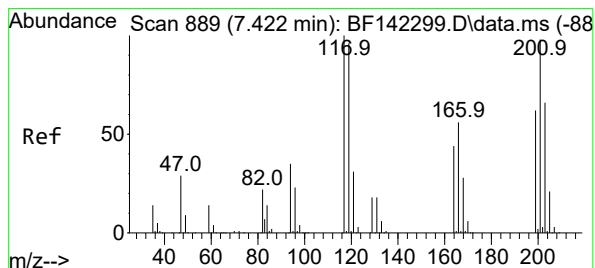
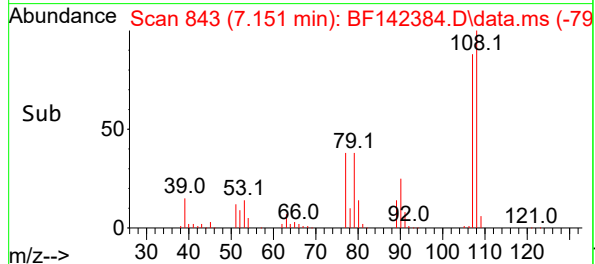
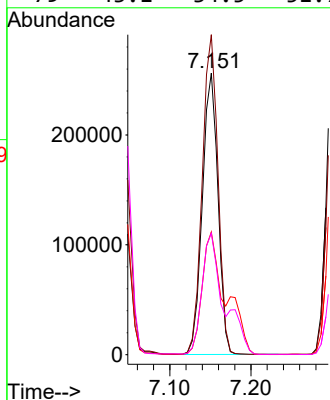
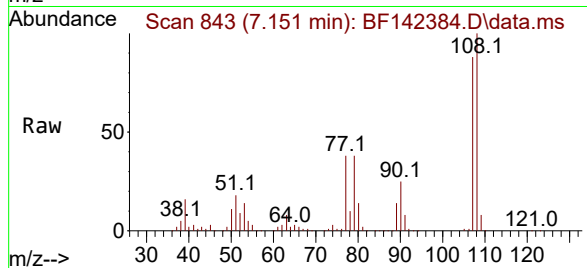




#17
2-Methylphenol
Concen: 40.240 ng
RT: 7.151 min Scan# 843
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

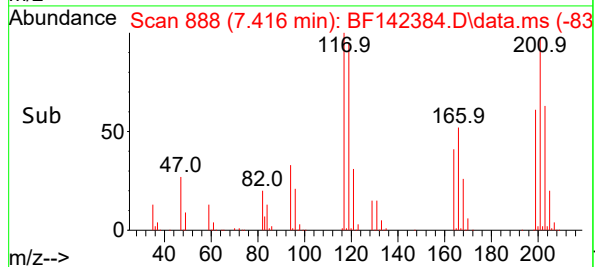
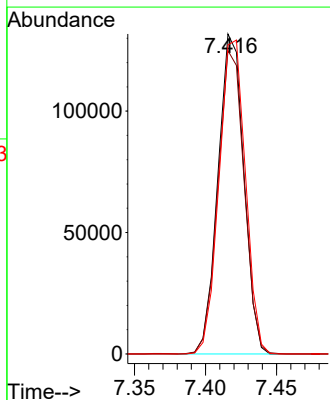
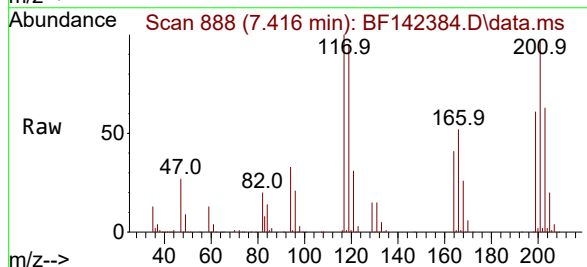
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

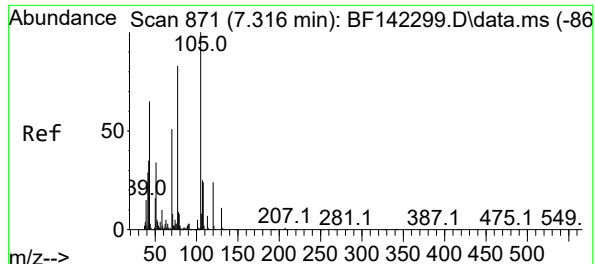
Tgt Ion:107 Resp: 341529
Ion Ratio Lower Upper
107 100
108 113.7 91.1 136.7
77 43.6 34.7 52.1
79 43.1 34.5 51.7



#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# 871

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

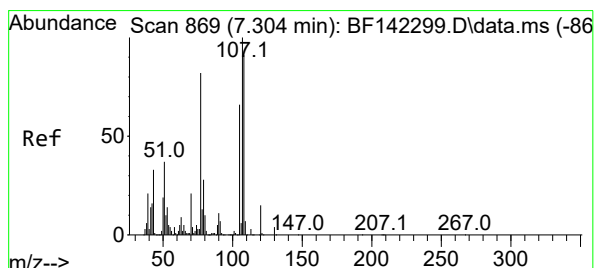
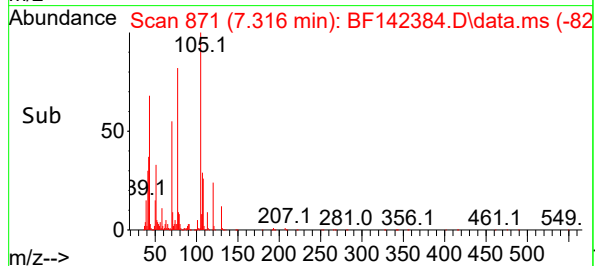
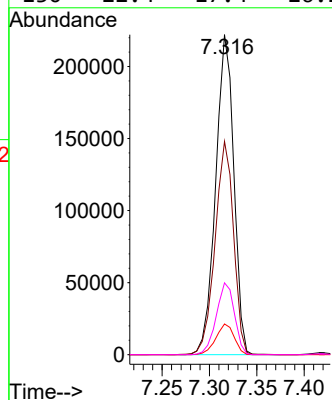
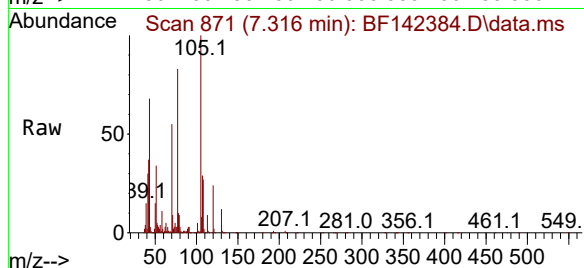
Ion Ratio Lower Upper

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

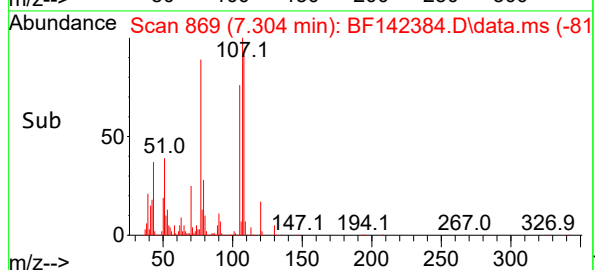
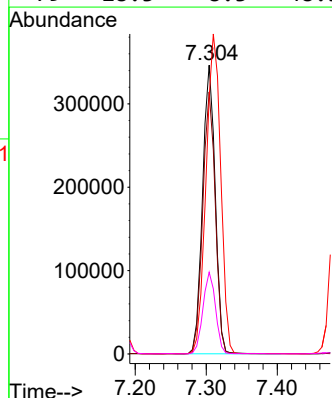
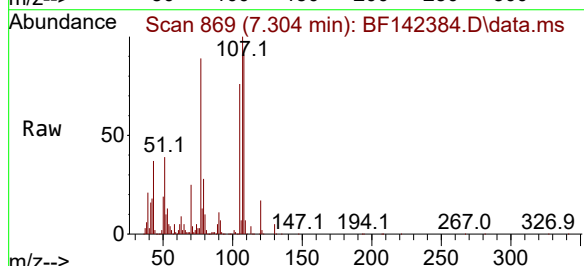
Ion Ratio Lower Upper

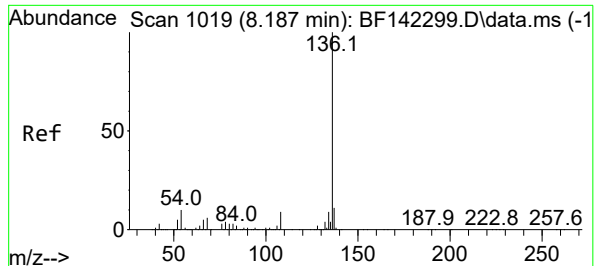
107 100

108 90.7 71.5 111.5

77 88.9 61.6 101.6

79 28.3 8.3 48.3

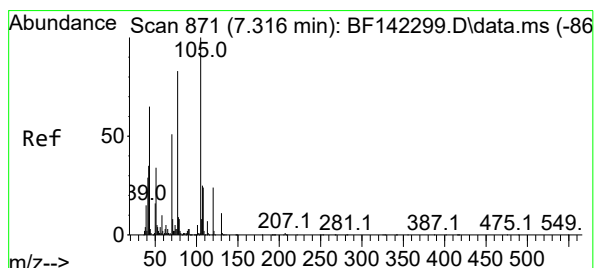
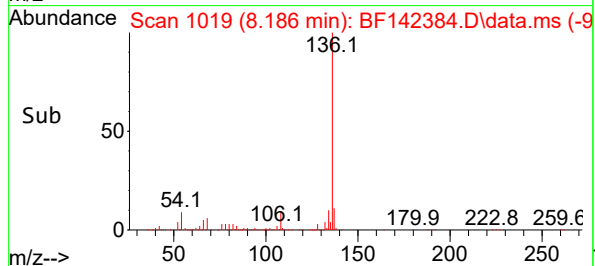
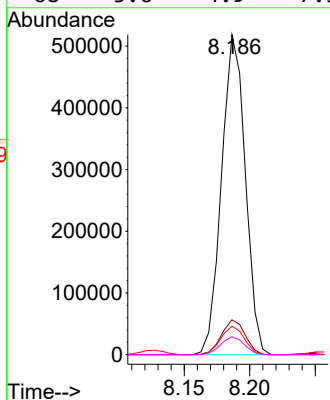
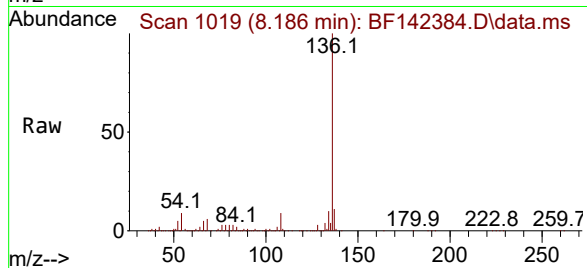




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

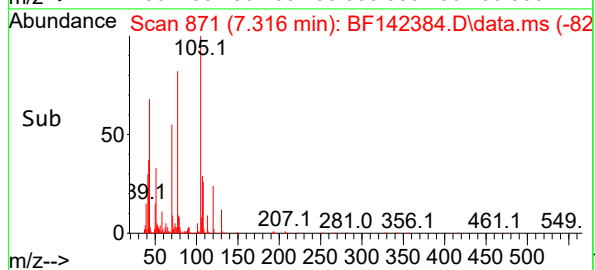
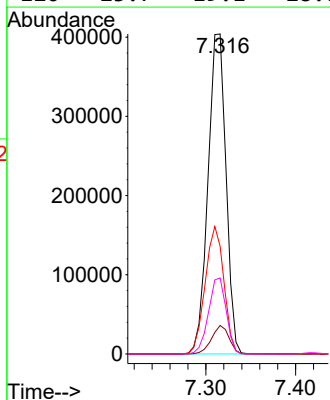
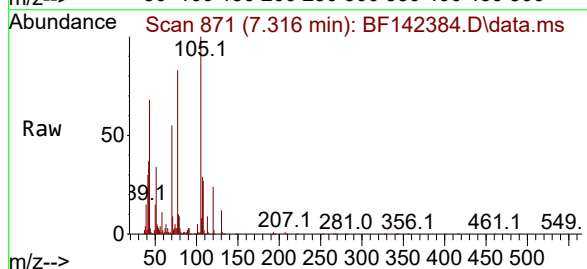
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

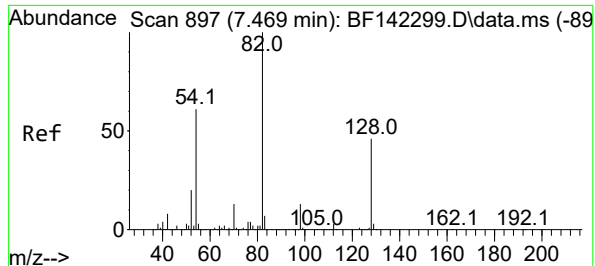
Tgt Ion:	136	Resp:	652293
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	8.9	7.7	11.5
68	5.6	4.9	7.3



#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# 89

Delta R.T. -0.000 min

Lab File: BF142384.D

Acq: 15 May 2025 10:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

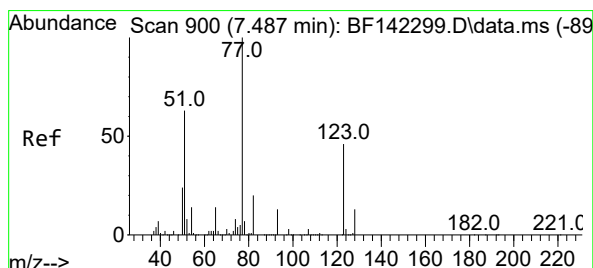
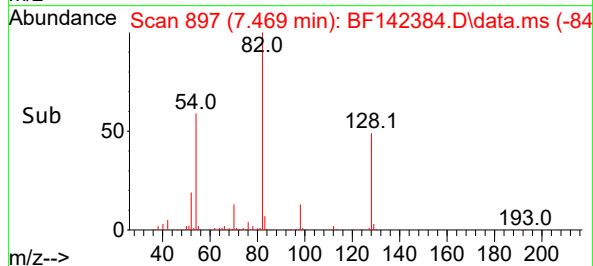
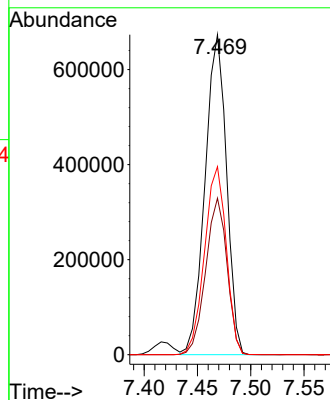
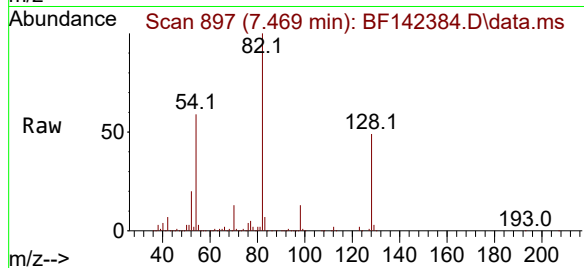
Tgt Ion: 82 Resp: 945883

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

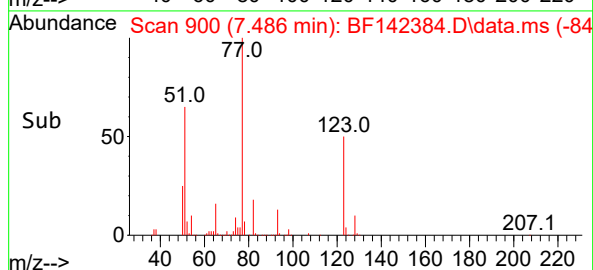
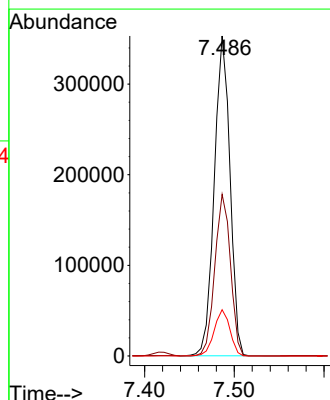
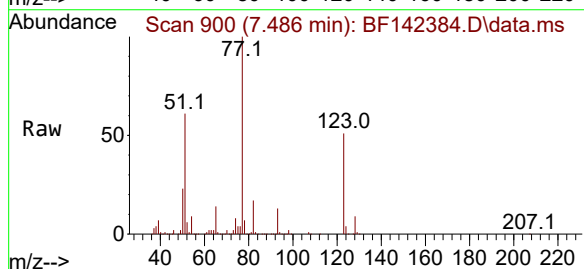
Tgt Ion: 77 Resp: 428681

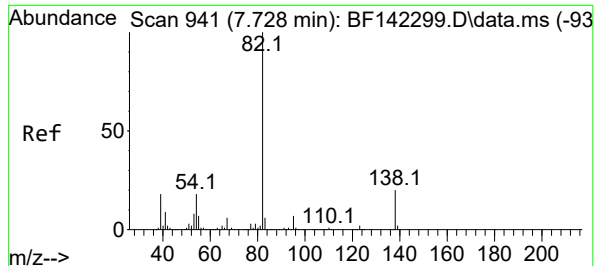
Ion Ratio Lower Upper

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# 941

Delta R.T. -0.000 min

Lab File: BF142384.D

Acq: 15 May 2025 10:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

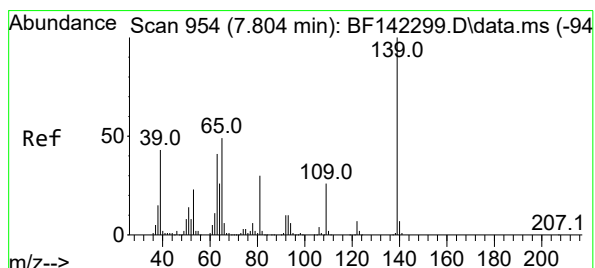
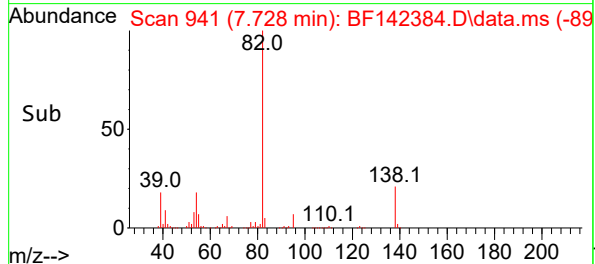
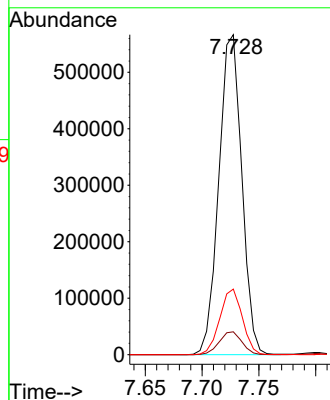
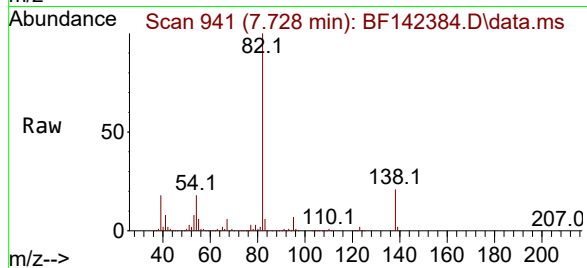
Tgt Ion: 82 Resp: 797707

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

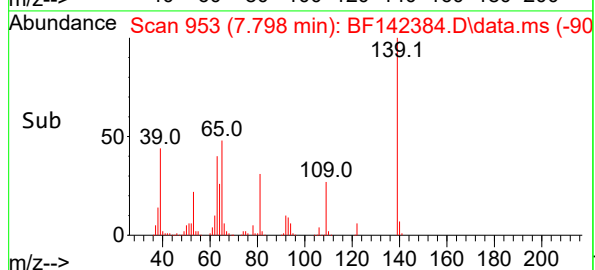
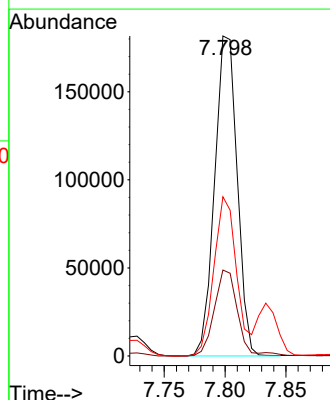
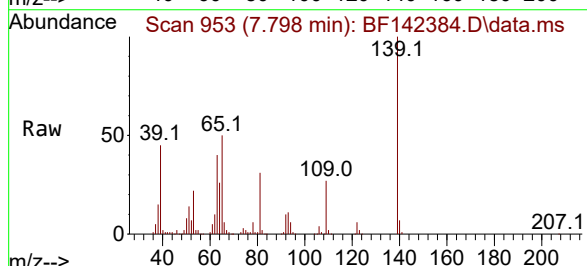
Tgt Ion:139 Resp: 234213

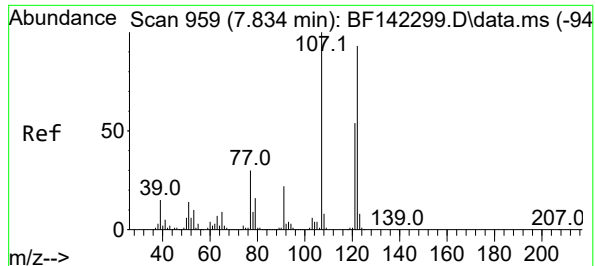
Ion Ratio Lower Upper

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# 91

Delta R.T. -0.000 min

Lab File: BF142384.D

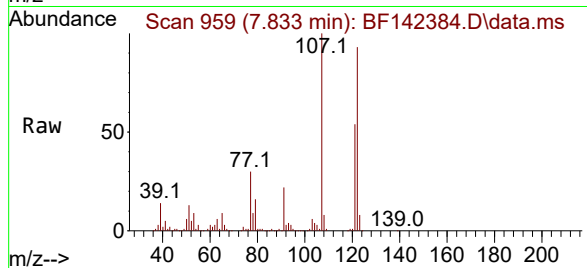
Acq: 15 May 2025 10:08

Instrument :

BNA_F

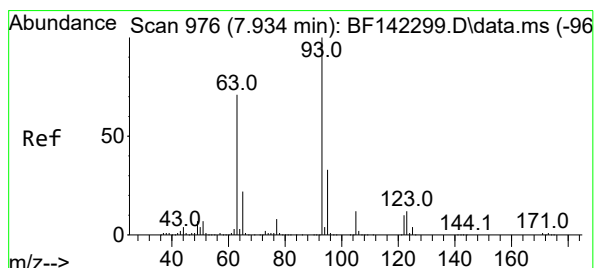
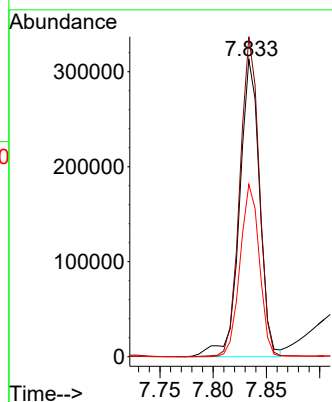
ClientSampleId :

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

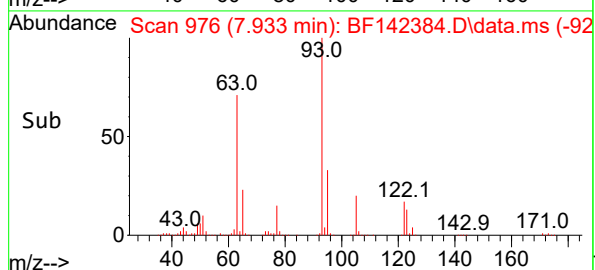
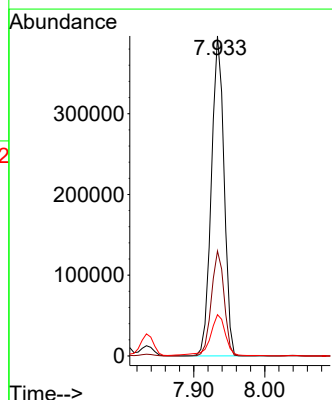
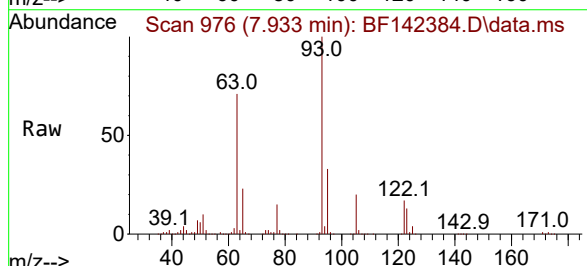
Delta R.T. -0.000 min

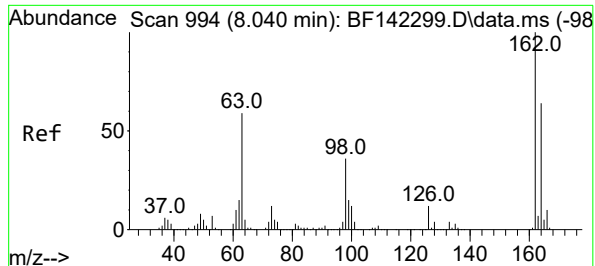
Lab File: BF142384.D

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# 994

Delta R.T. -0.000 min

Lab File: BF142384.D

Acq: 15 May 2025 10:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

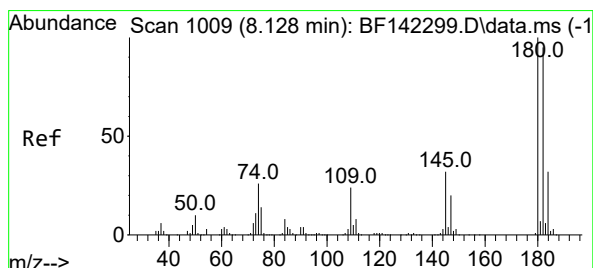
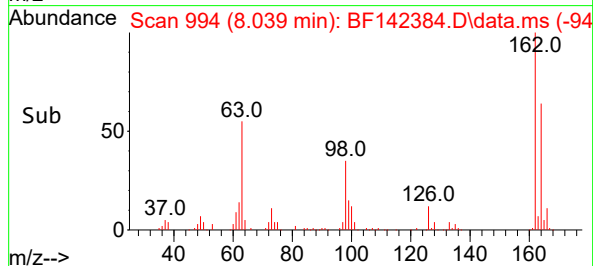
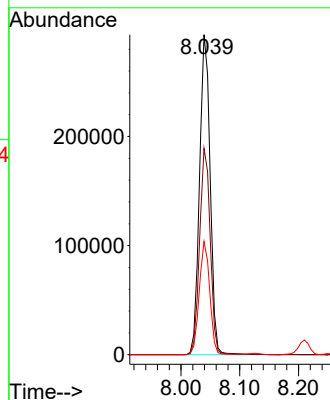
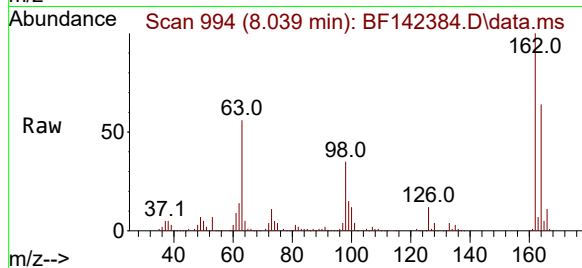
Tgt Ion:162 Resp: 367794

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

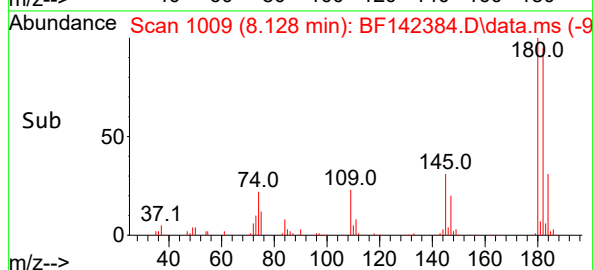
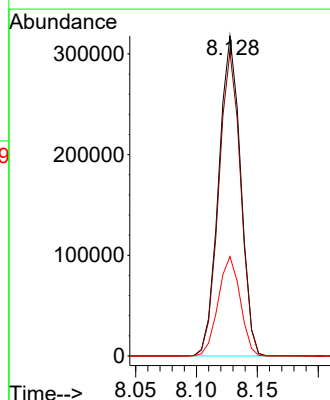
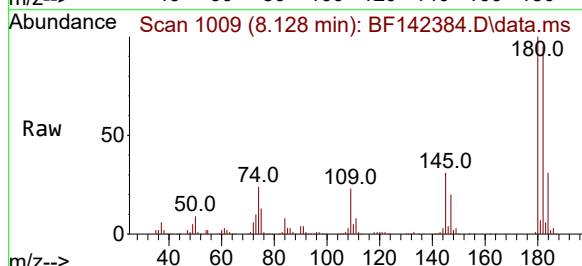
Tgt Ion:180 Resp: 397960

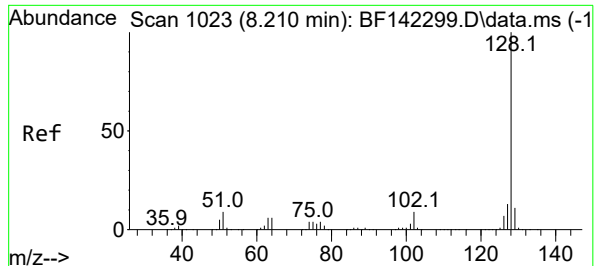
Ion Ratio Lower Upper

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

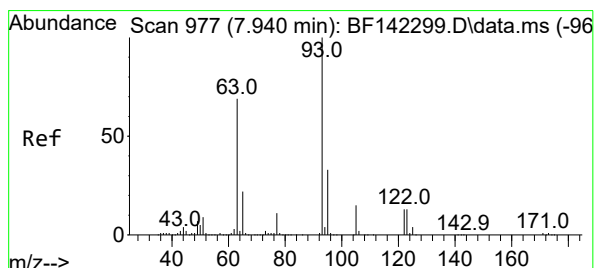
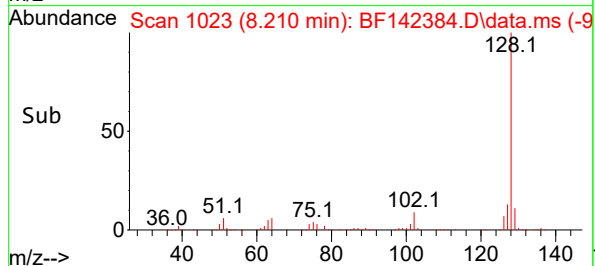
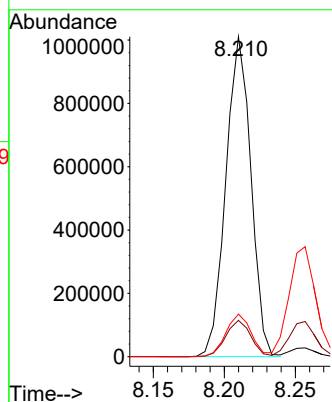
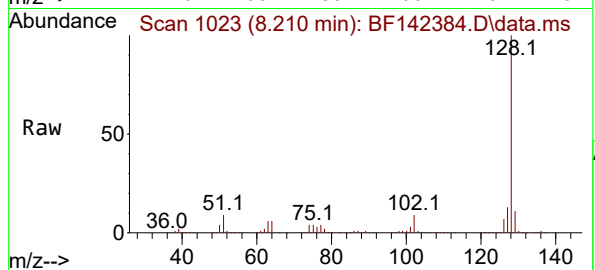
Tgt Ion:128 Resp: 1241567

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

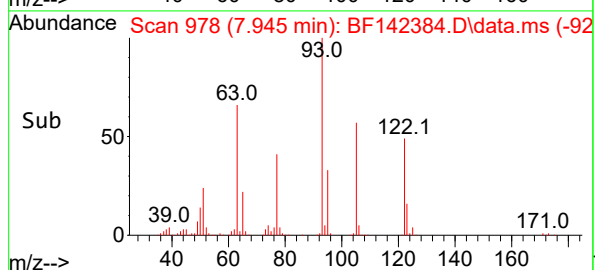
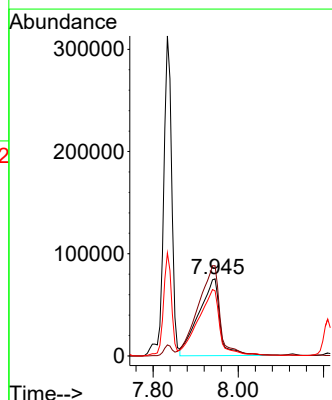
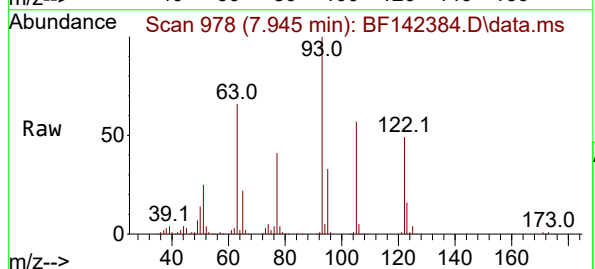
Tgt Ion:122 Resp: 262715

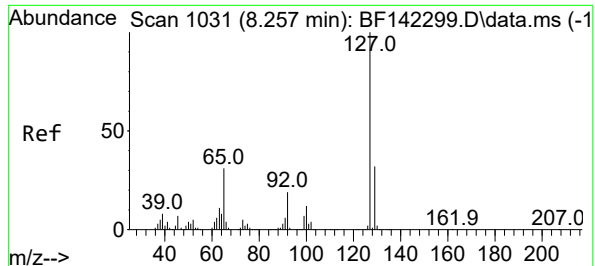
Ion Ratio Lower Upper

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# 1031

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

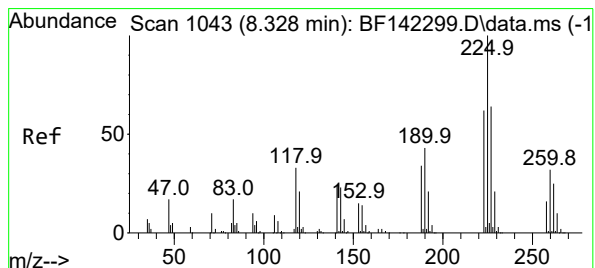
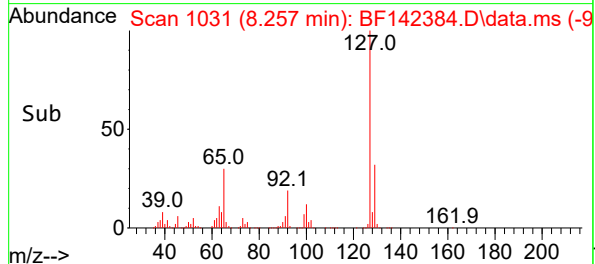
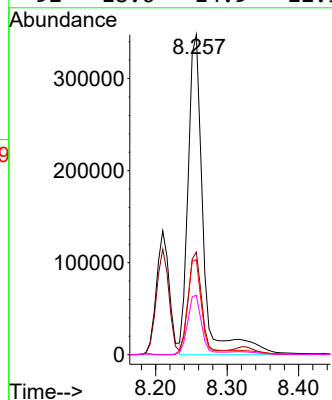
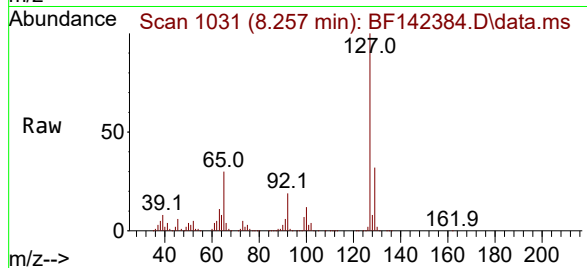
Ion Ratio Lower Upper

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

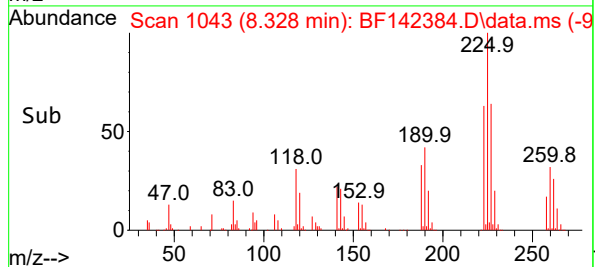
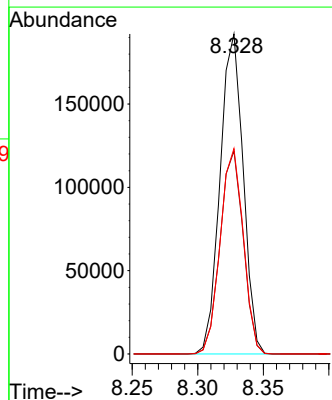
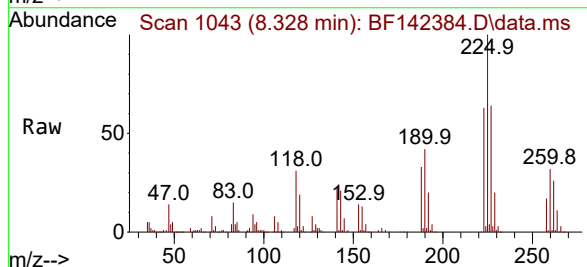
Tgt Ion:225 Resp: 235169

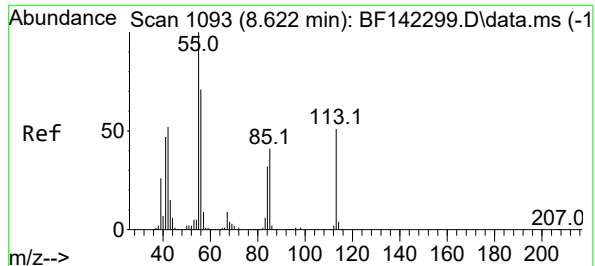
Ion Ratio Lower Upper

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# 1109

Delta R.T. -0.000 min

Lab File: BF142384.D

Acq: 15 May 2025 10:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

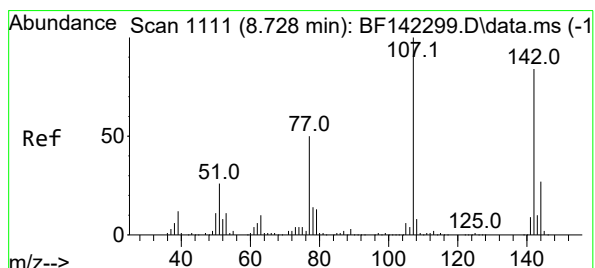
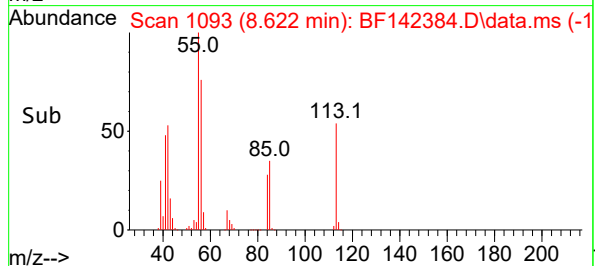
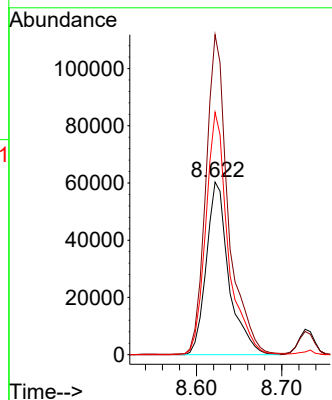
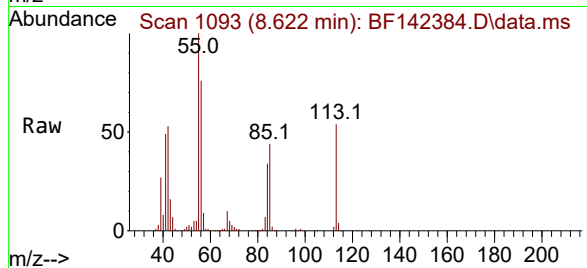
Tgt Ion:113 Resp: 110904

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

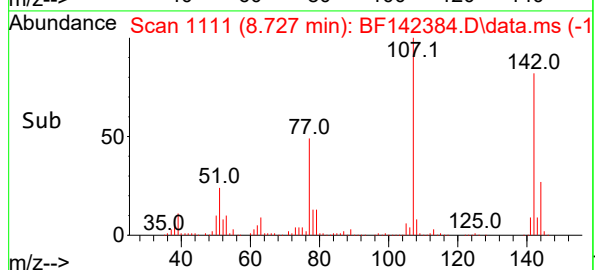
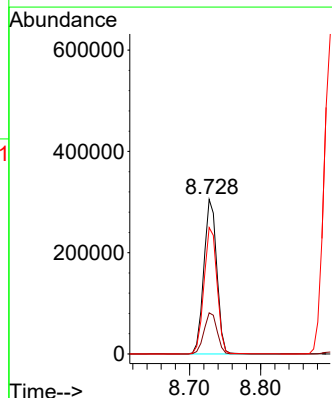
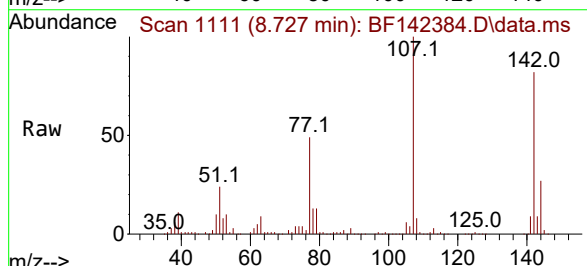
Tgt Ion:107 Resp: 388839

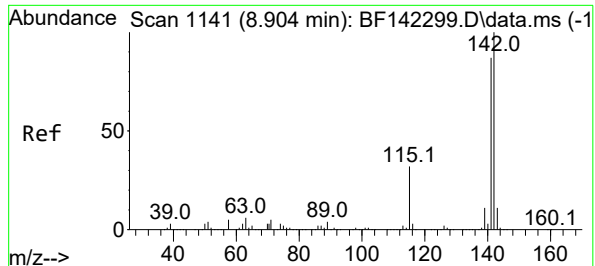
Ion Ratio Lower Upper

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# 1140

Delta R.T. -0.006 min

Lab File: BF142384.D

Acq: 15 May 2025 10:08

Instrument :

BNA_F

ClientSampleId :

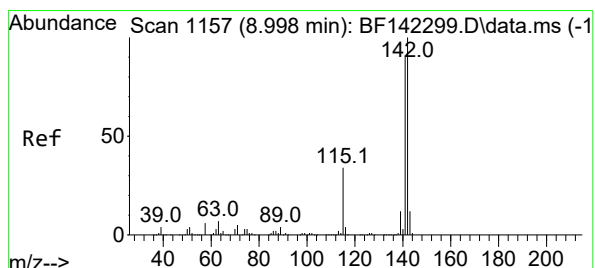
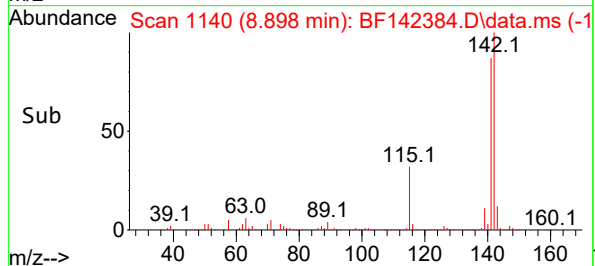
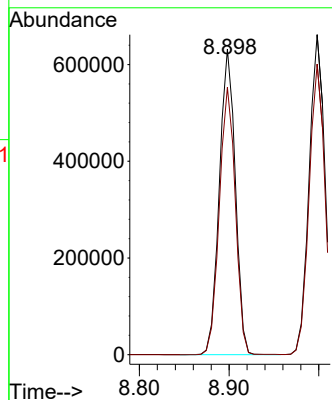
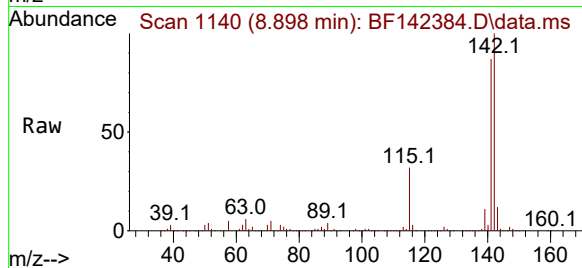
SSTDCCC040

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

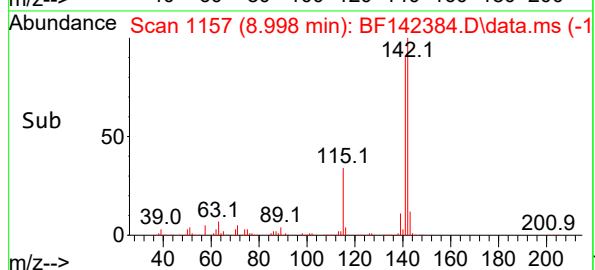
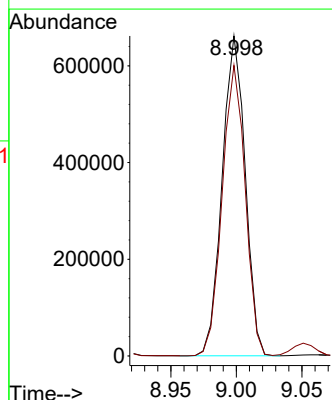
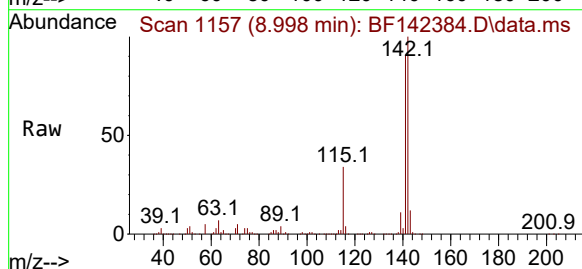
Acq: 15 May 2025 10:08

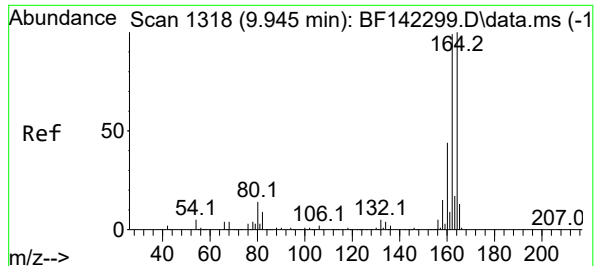
Tgt Ion:142 Resp: 807941

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# 1168

Delta R.T. 0.000 min

Lab File: BF142384.D

Acq: 15 May 2025 10:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

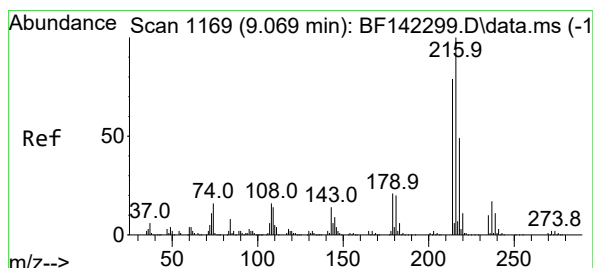
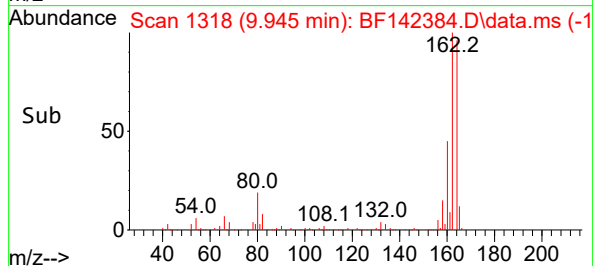
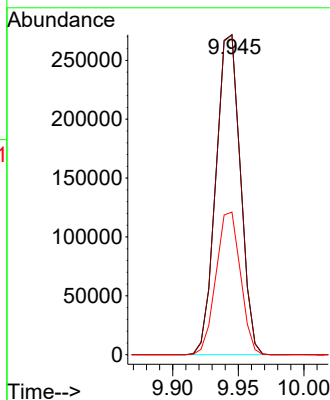
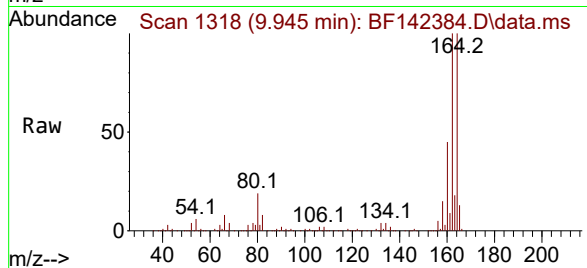
Tgt Ion:164 Resp: 352544

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

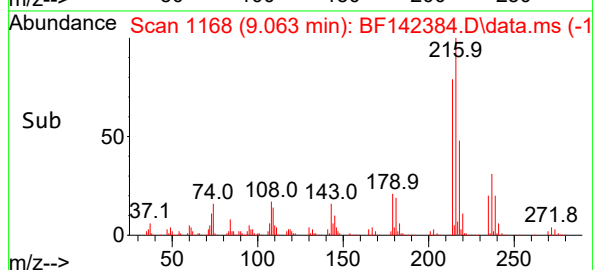
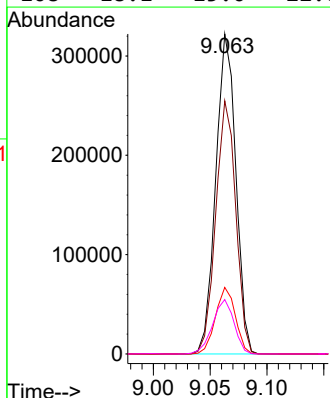
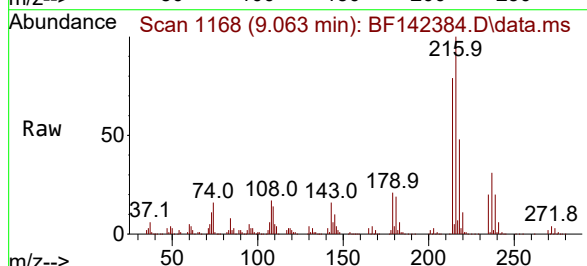
Ion Ratio Lower Upper

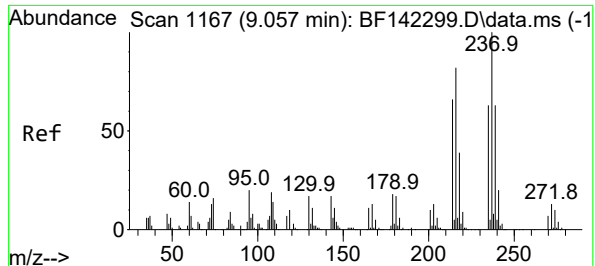
216 100

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# 1166

Delta R.T. -0.006 min

Lab File: BF142384.D

Acq: 15 May 2025 10:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

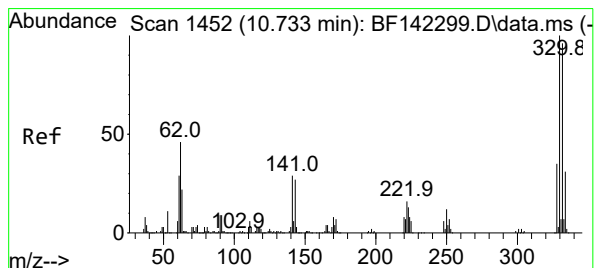
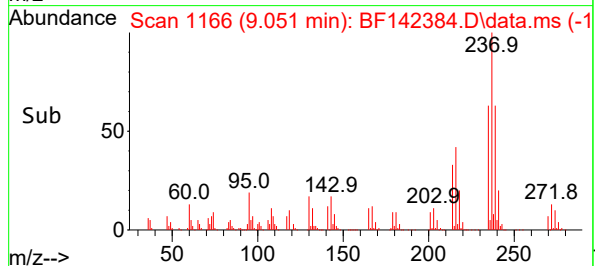
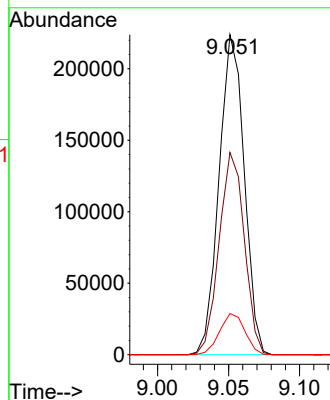
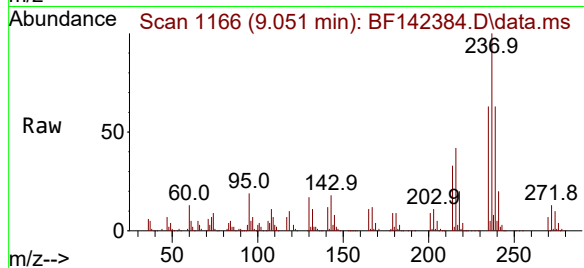
Tgt Ion:237 Resp: 275586

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

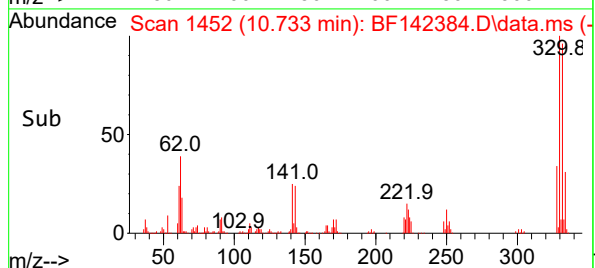
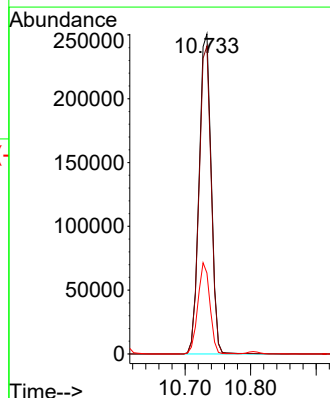
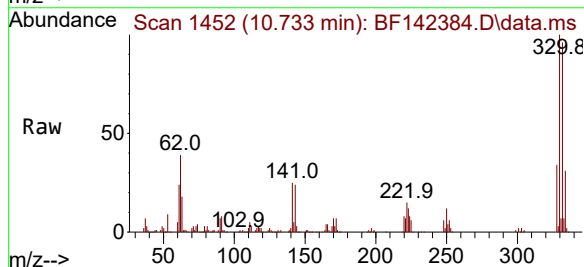
Tgt Ion:330 Resp: 321545

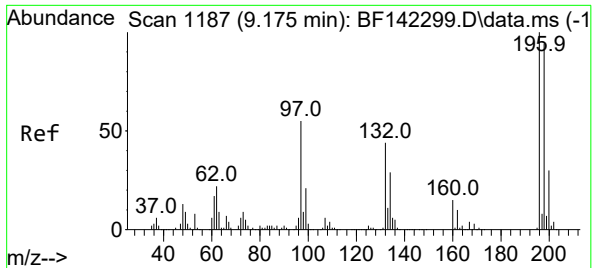
Ion Ratio Lower Upper

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# 1187

Delta R.T. -0.000 min

Lab File: BF142384.D

Acq: 15 May 2025 10:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

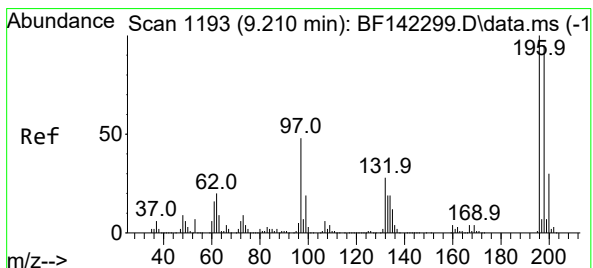
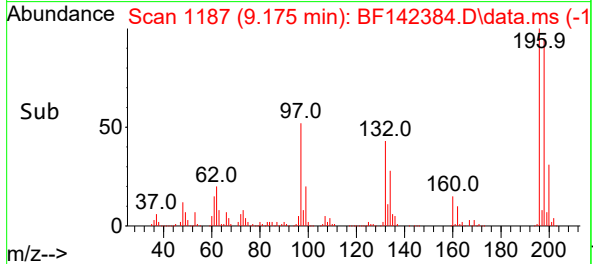
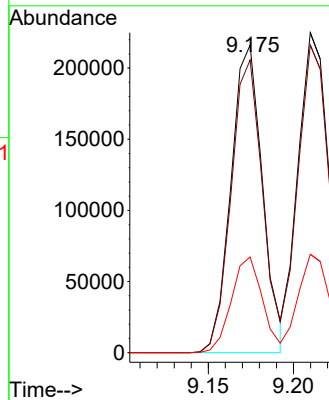
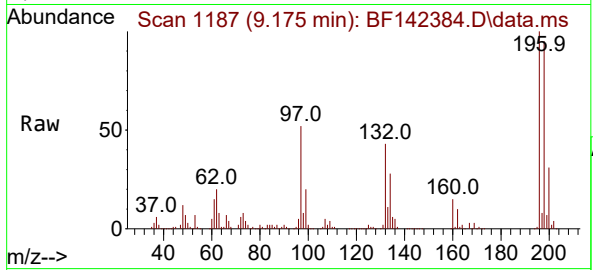
Tgt Ion:196 Resp: 277366

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

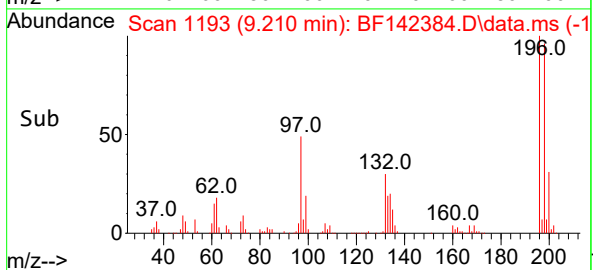
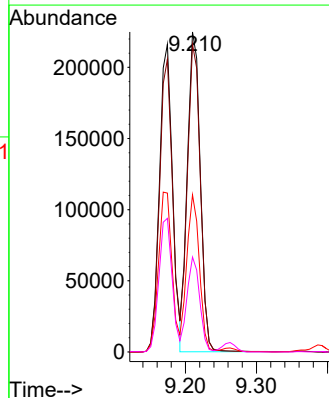
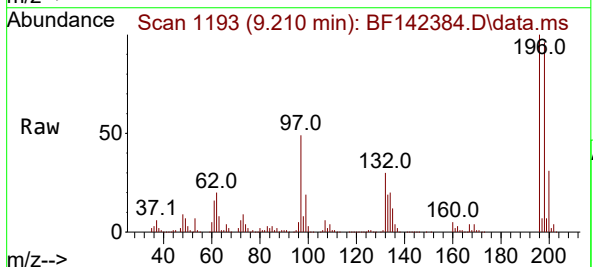
Ion Ratio Lower Upper

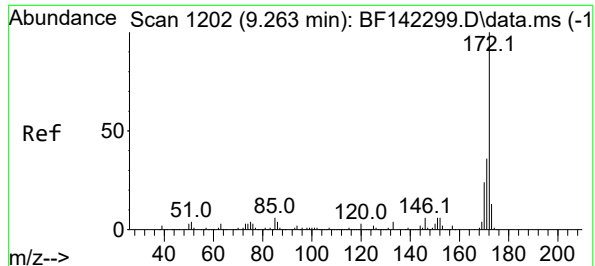
196 100

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# 1202

Delta R.T. -0.000 min

Lab File: BF142384.D

Acq: 15 May 2025 10:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

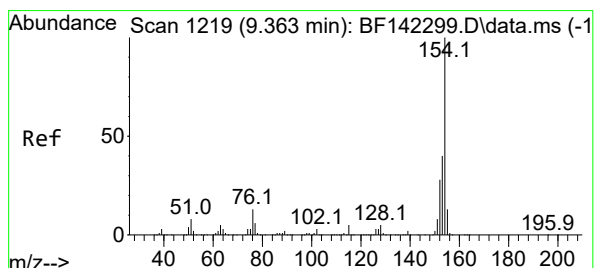
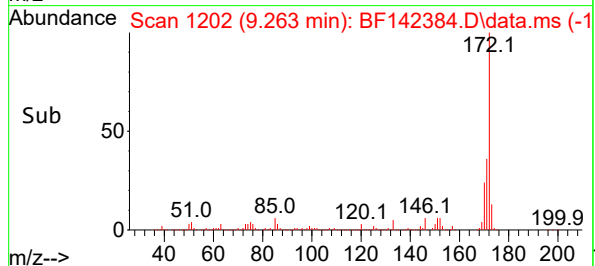
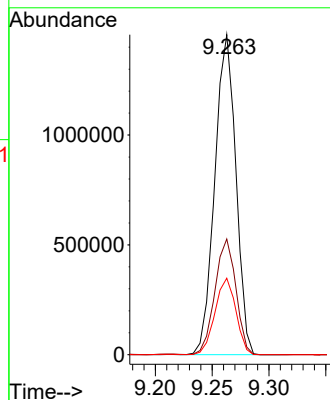
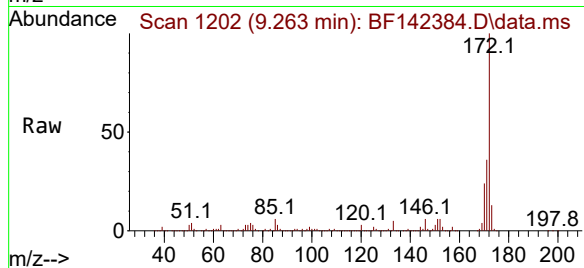
Tgt Ion:172 Resp: 1880482

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

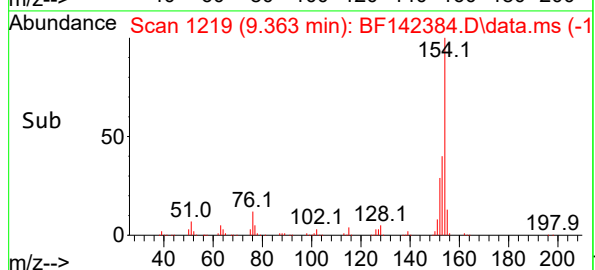
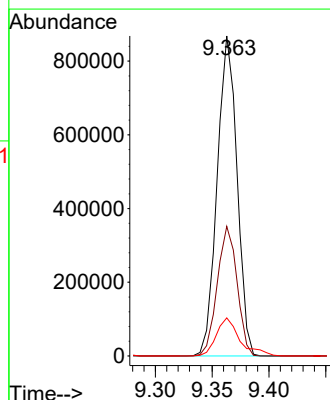
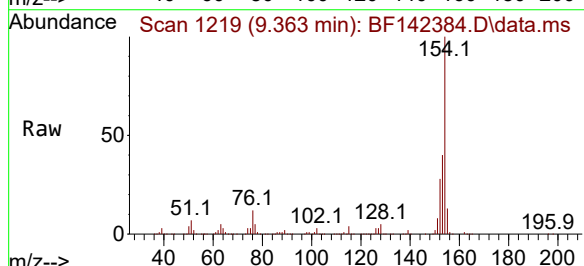
Tgt Ion:154 Resp: 1054716

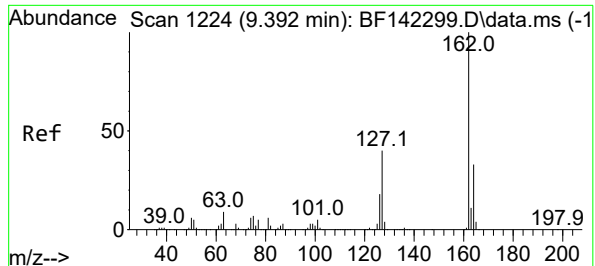
Ion Ratio Lower Upper

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# 11

Delta R.T. -0.006 min

Lab File: BF142384.D

Acq: 15 May 2025 10:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

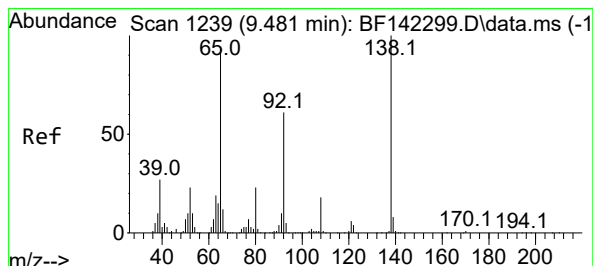
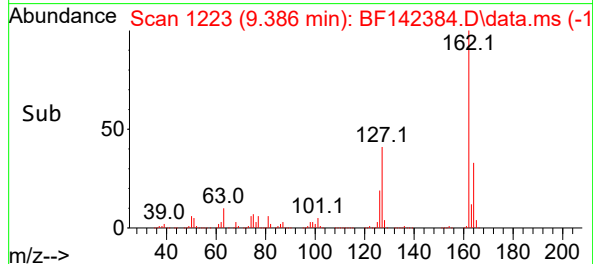
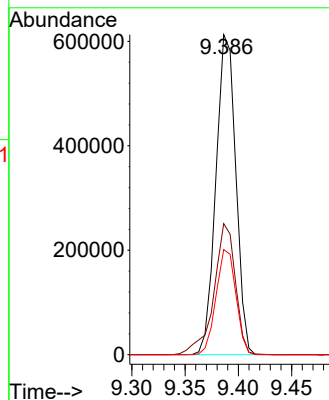
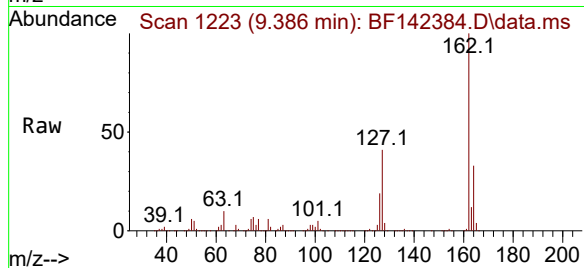
Tgt Ion:162 Resp: 793640

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

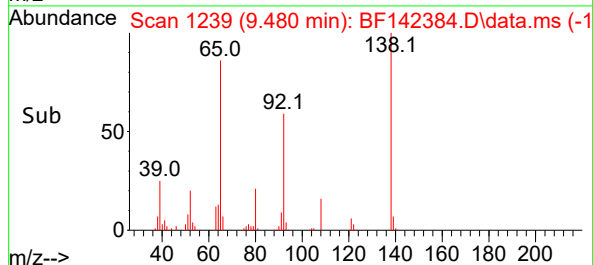
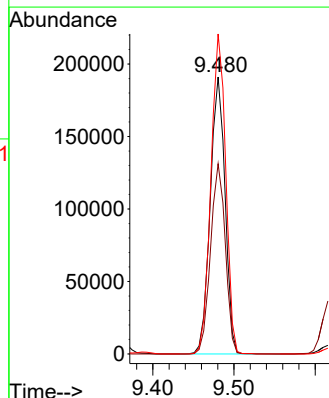
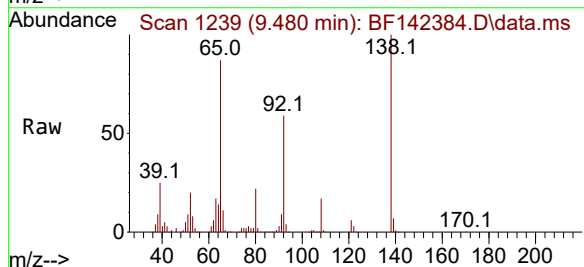
Tgt Ion: 65 Resp: 242020

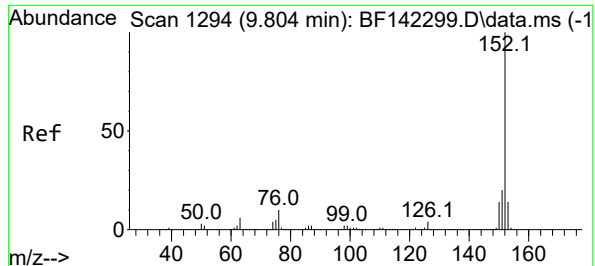
Ion Ratio Lower Upper

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# 11

Delta R.T. -0.000 min

Lab File: BF142384.D

Acq: 15 May 2025 10:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

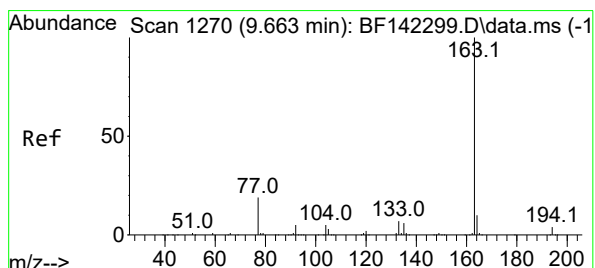
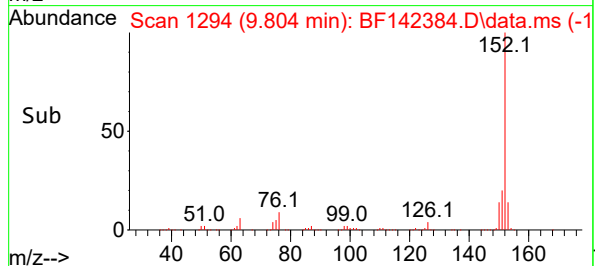
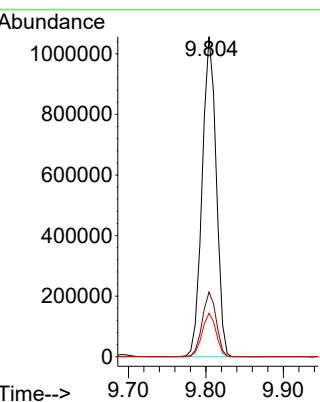
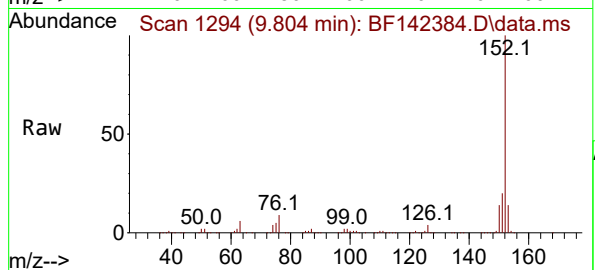
Tgt Ion:152 Resp: 1330203

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

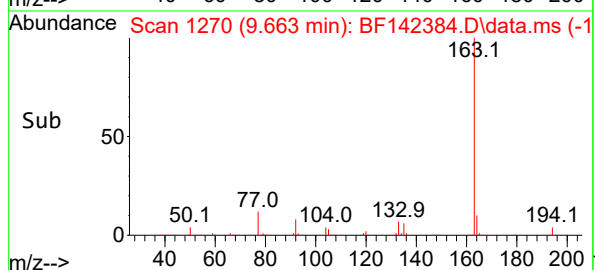
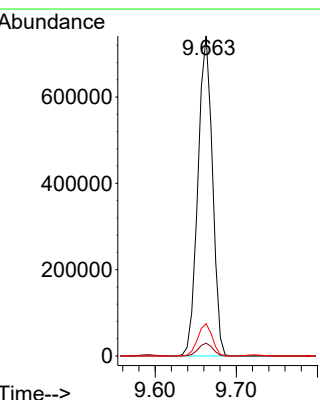
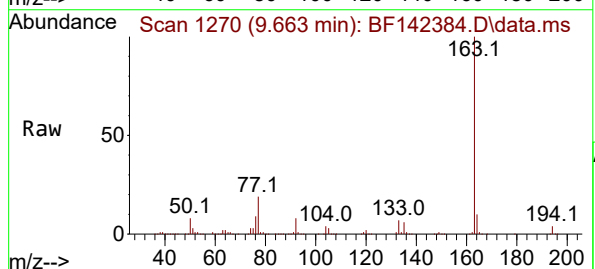
Tgt Ion:163 Resp: 920024

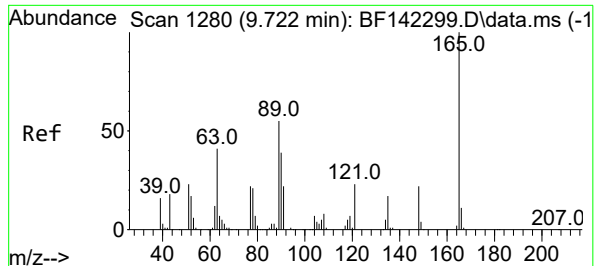
Ion Ratio Lower Upper

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# 11

Delta R.T. -0.000 min

Lab File: BF142384.D

Acq: 15 May 2025 10:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

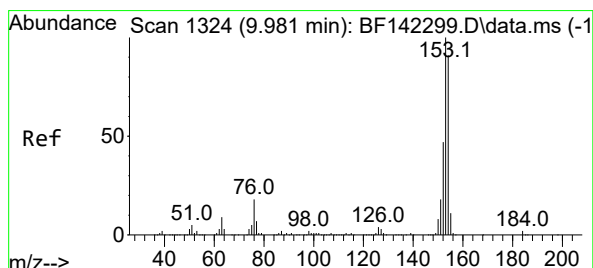
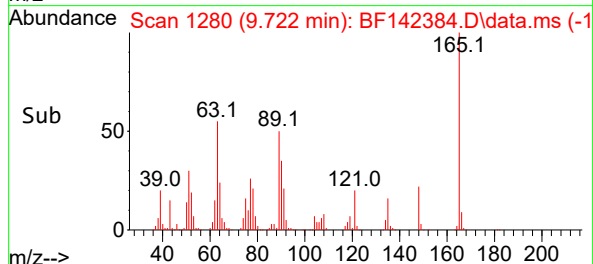
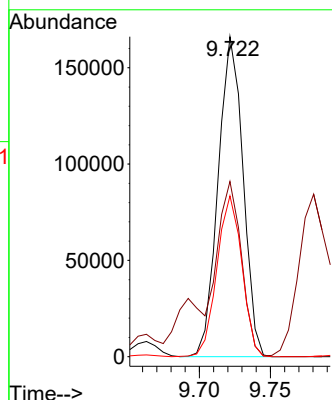
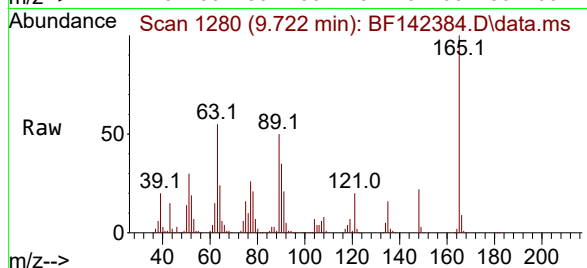
Tgt Ion:165 Resp: 202470

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

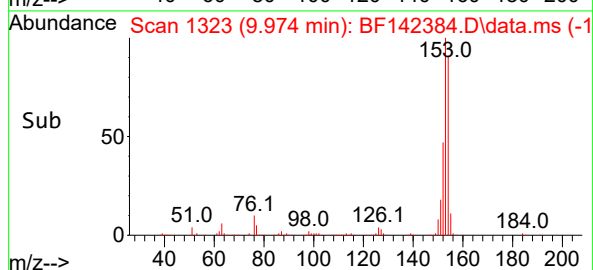
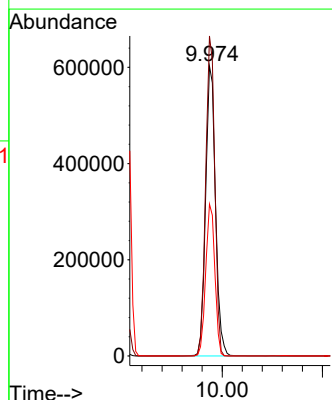
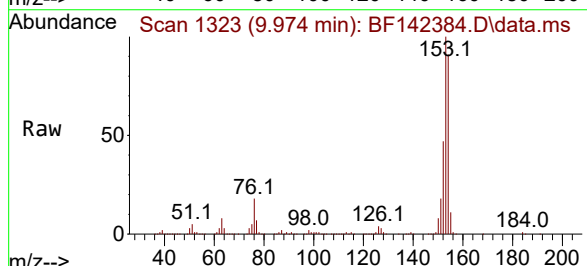
Tgt Ion:154 Resp: 823139

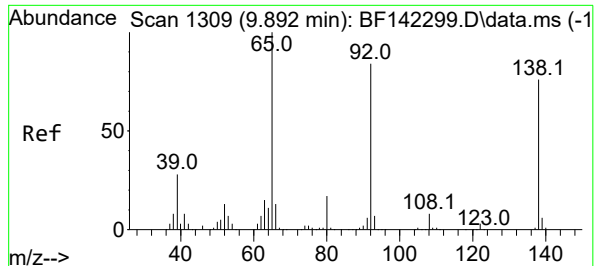
Ion Ratio Lower Upper

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# 1309

Delta R.T. -0.000 min

Lab File: BF142384.D

Acq: 15 May 2025 10:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

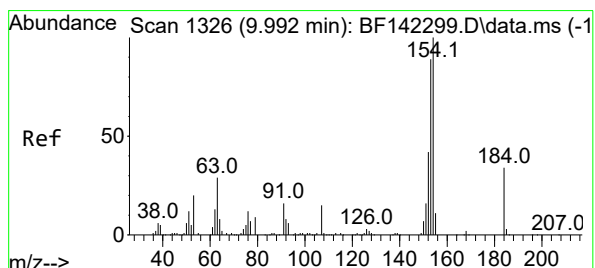
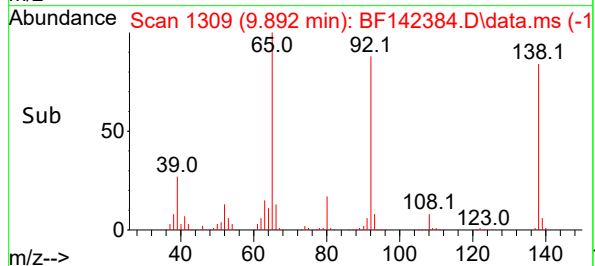
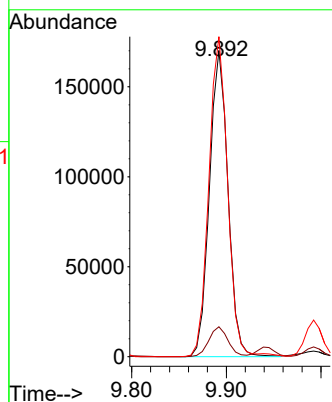
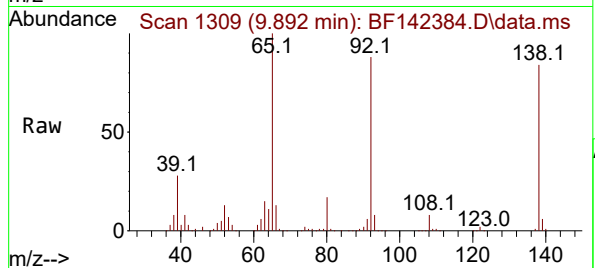
Tgt Ion:138 Resp: 231519

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

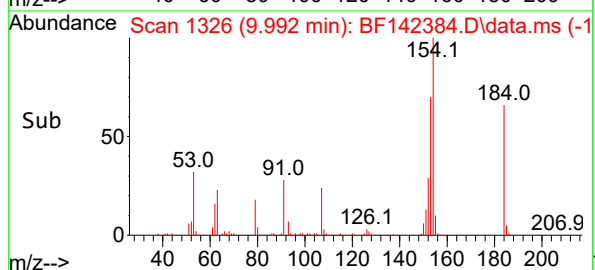
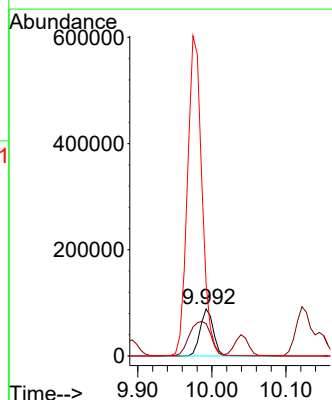
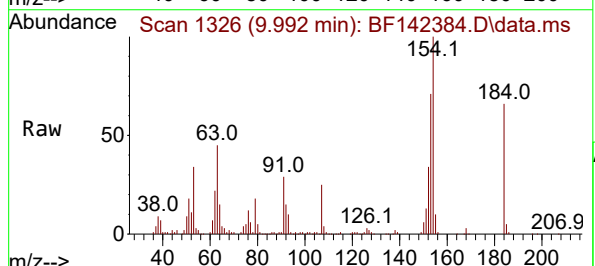
Tgt Ion:184 Resp: 109406

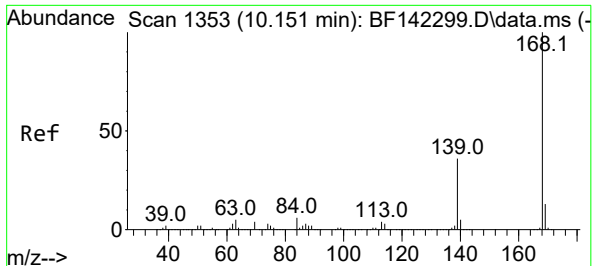
Ion Ratio Lower Upper

184 100

63 68.7 70.6 105.8#

154 152.4 257.2 385.8#





#55

Dibenzenofuran

Concen: 39.460 ng

RT: 10.145 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF142384.D

Acq: 15 May 2025 10:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

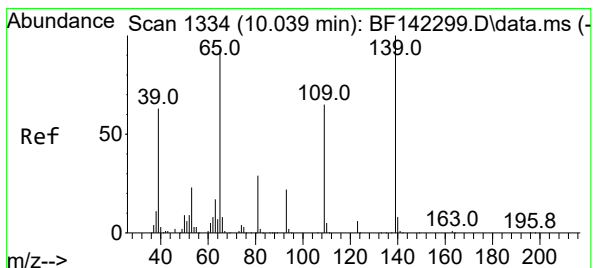
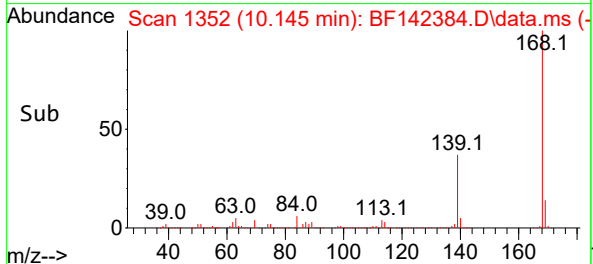
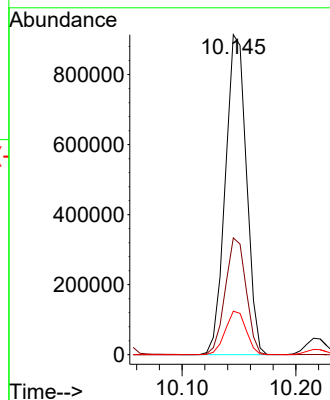
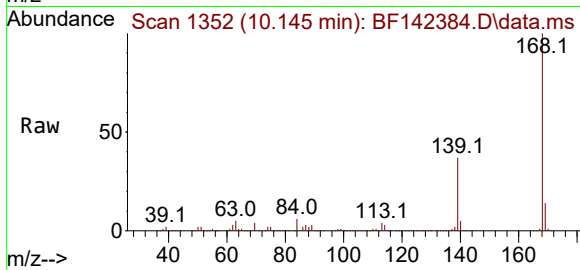
Tgt Ion:168 Resp: 1177533

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

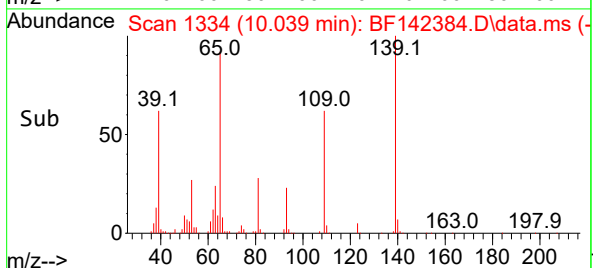
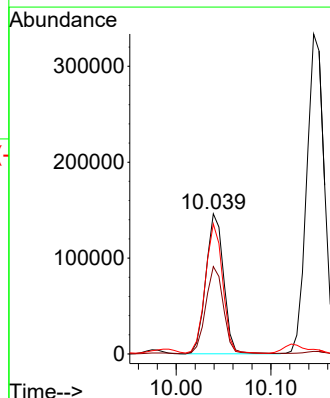
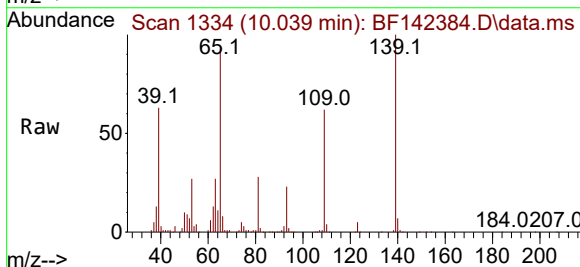
Tgt Ion:139 Resp: 190242

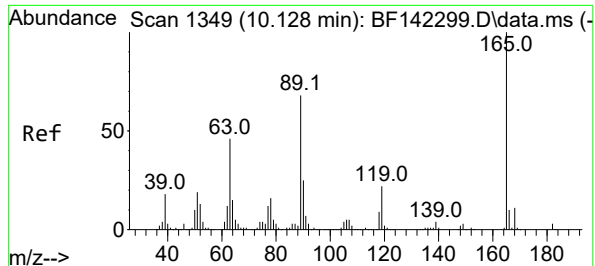
Ion Ratio Lower Upper

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# 11

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

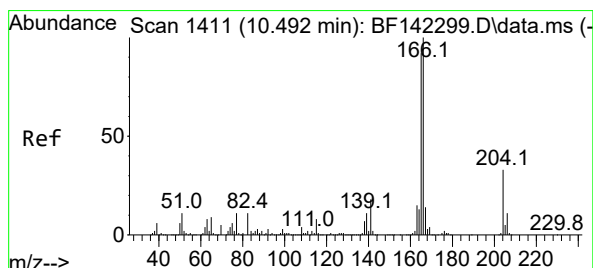
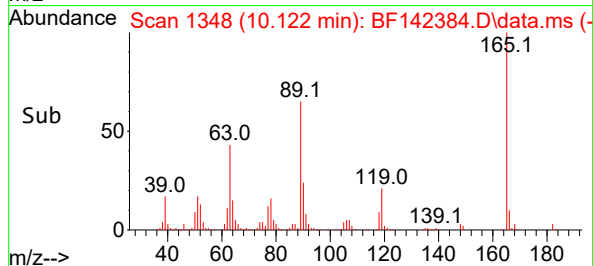
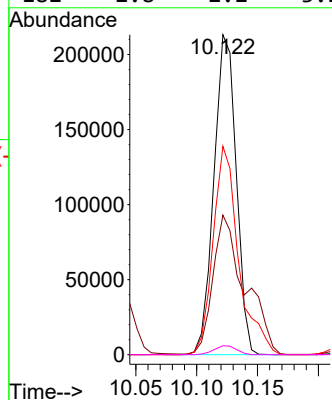
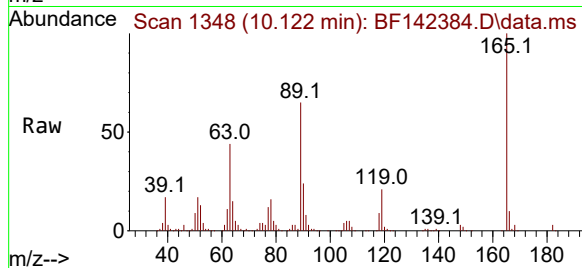
Ion Ratio Lower Upper

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

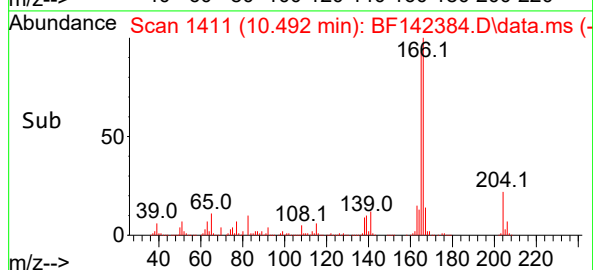
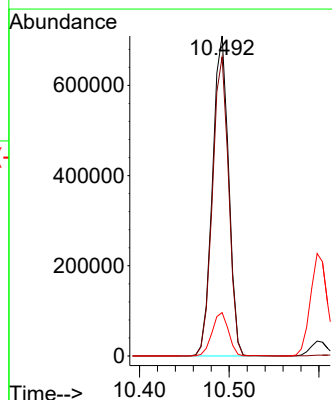
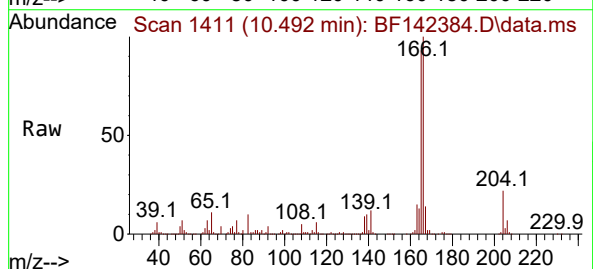
Tgt Ion:166 Resp: 887188

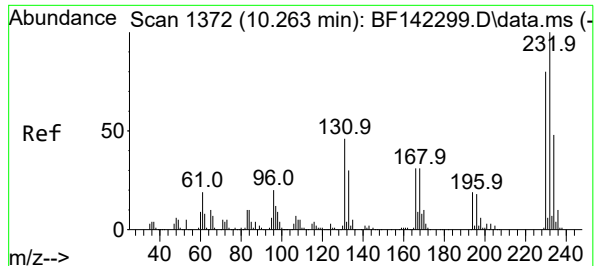
Ion Ratio Lower Upper

166 100

165 93.5 74.0 111.0

167 13.6 10.9 16.3

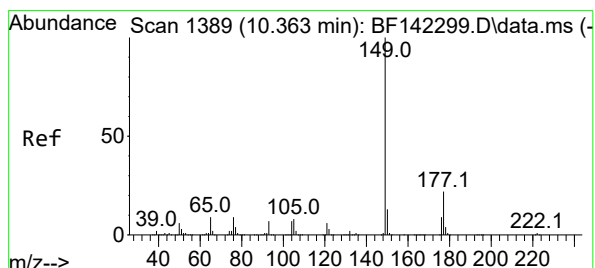
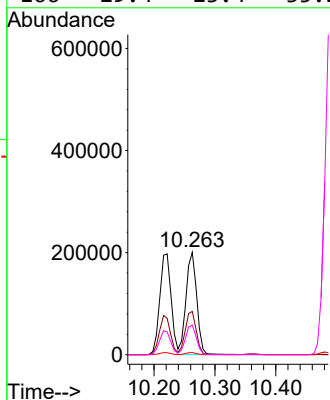
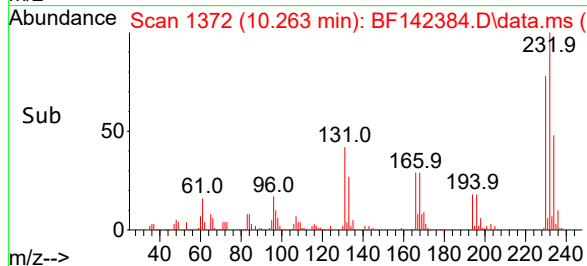
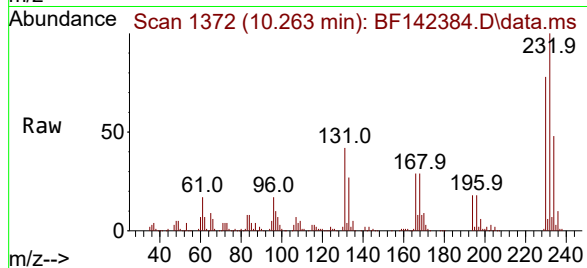




#59
2,3,4,6-Tetrachlorophenol
Concen: 45.231 ng
RT: 10.263 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

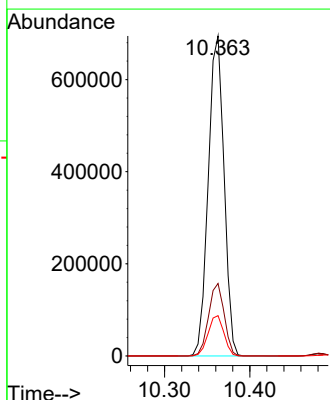
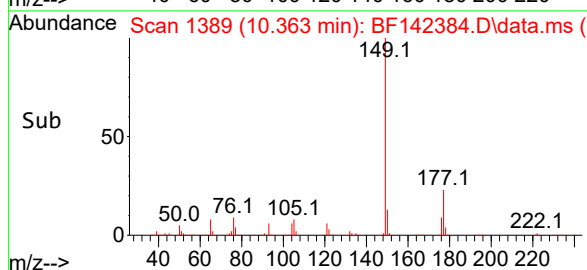
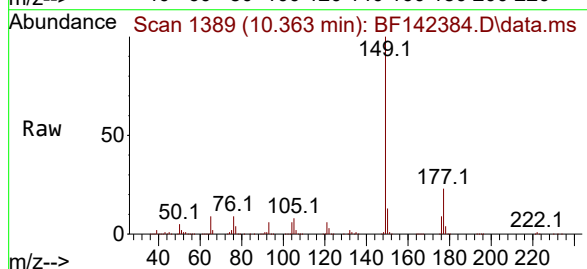
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

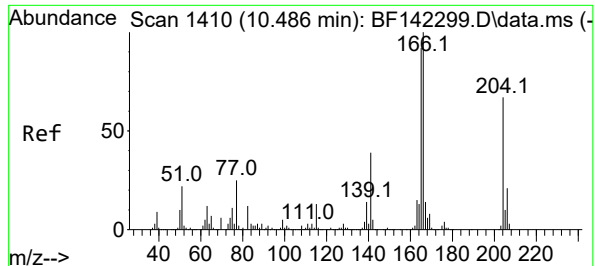
Tgt Ion:232 Resp: 246742
Ion Ratio Lower Upper
232 100
131 43.3 36.0 54.0
130 2.1 1.8 2.6
166 29.4 23.4 35.2



#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

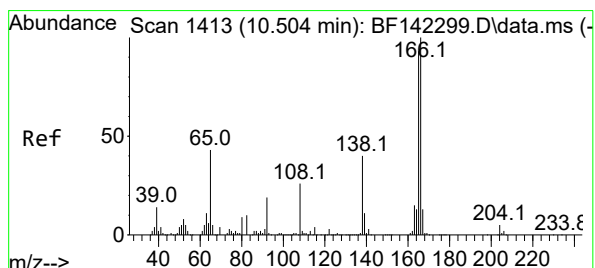
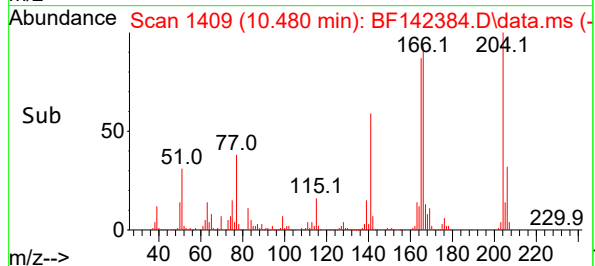
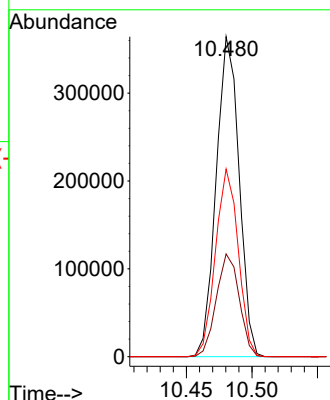
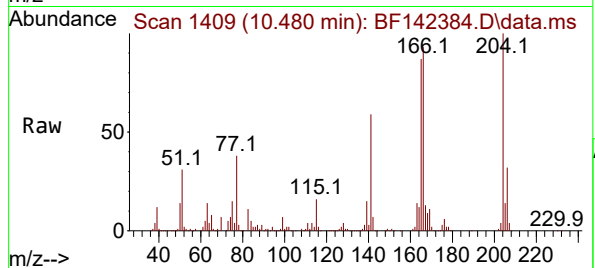




#61
4-Chlorophenyl-phenylether
Concen: 40.251 ng
RT: 10.480 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

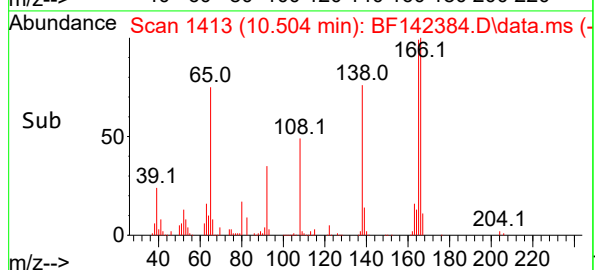
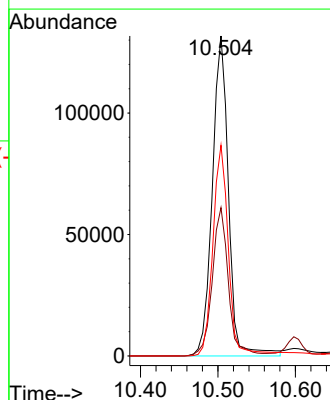
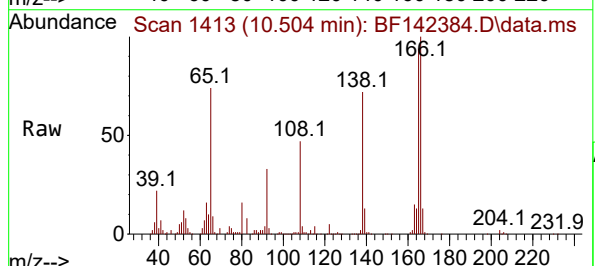
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

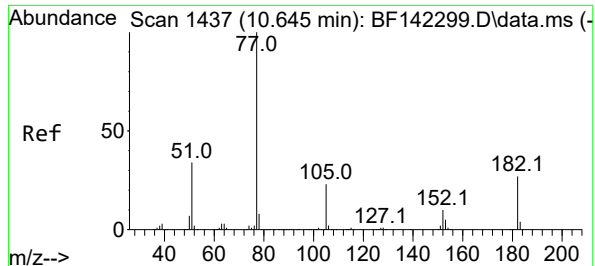
Tgt Ion:204 Resp: 442251
Ion Ratio Lower Upper
204 100
206 32.1 25.5 38.3
141 58.6 46.4 69.6



#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# 1437

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

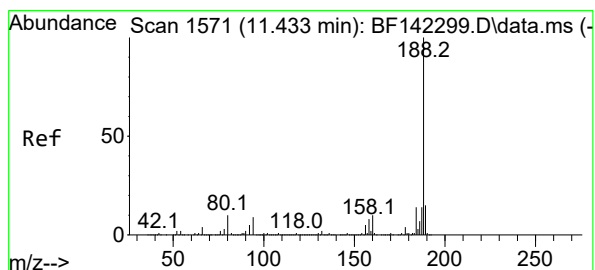
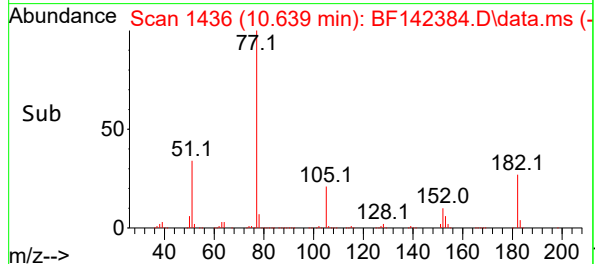
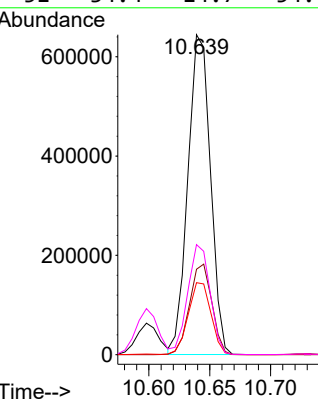
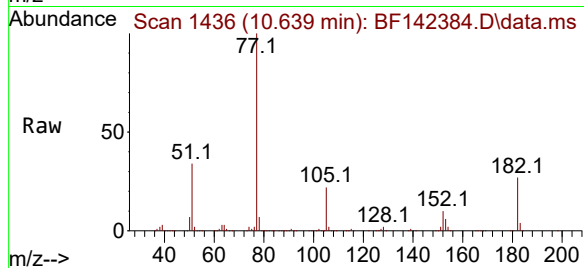
Ion Ratio Lower Upper

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

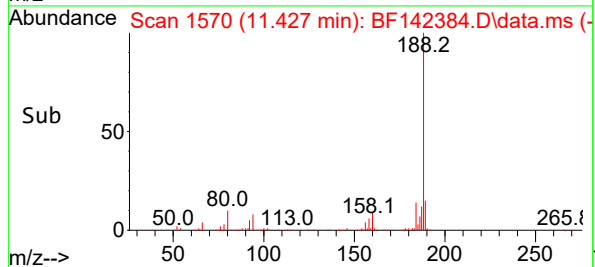
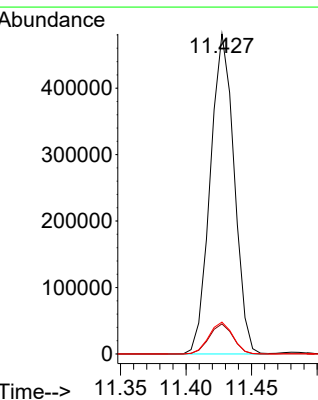
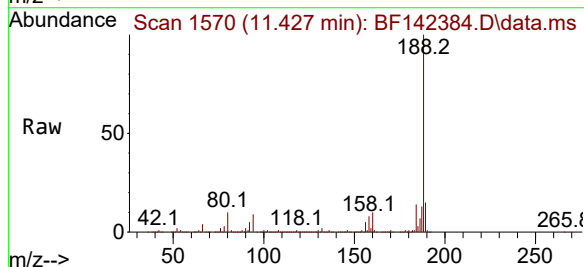
Tgt Ion: 188 Resp: 609842

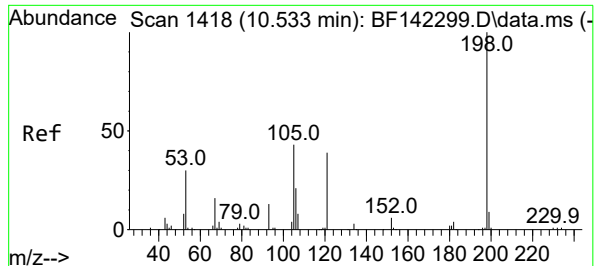
Ion Ratio Lower Upper

188 100

94 9.4 7.5 11.3

80 10.0 7.9 11.9

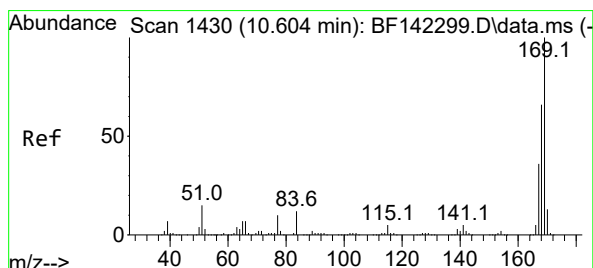
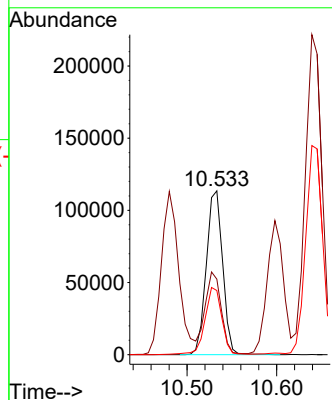
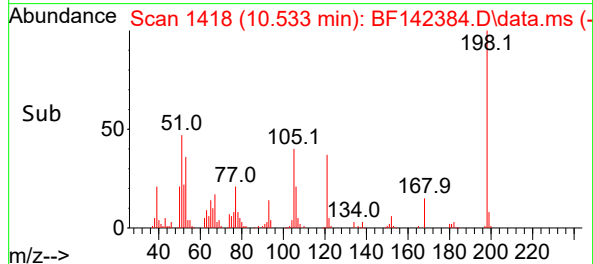
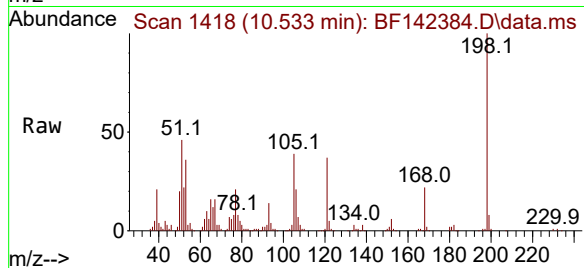




#65
4,6-Dinitro-2-methylphenol
Concen: 50.061 ng
RT: 10.533 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

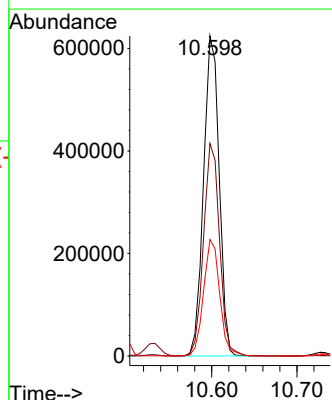
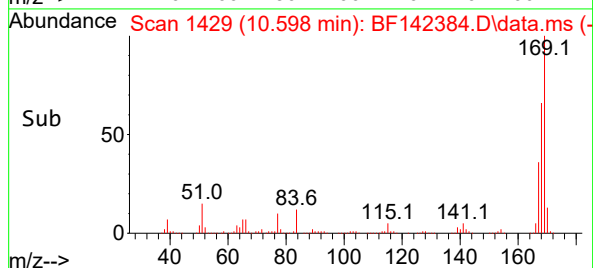
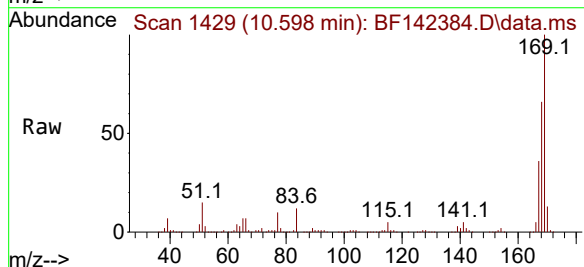
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

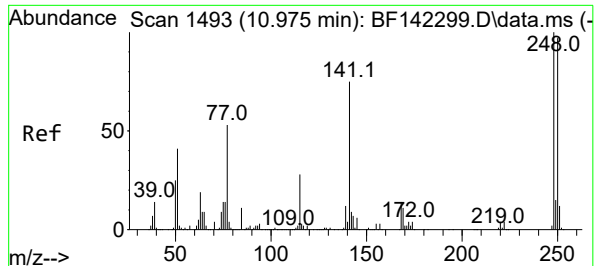
Tgt Ion:198 Resp: 143343
Ion Ratio Lower Upper
198 100
51 46.1 32.9 72.9
105 39.2 23.7 63.7



#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

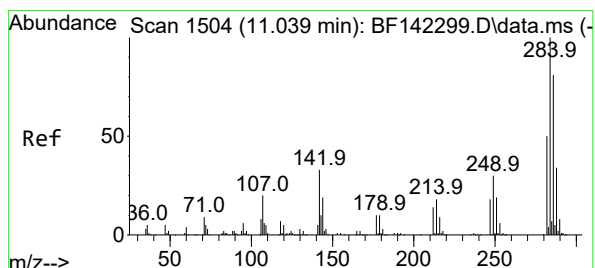
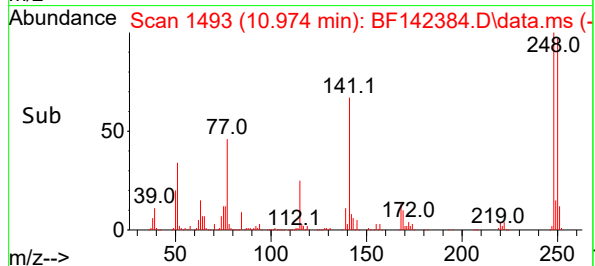
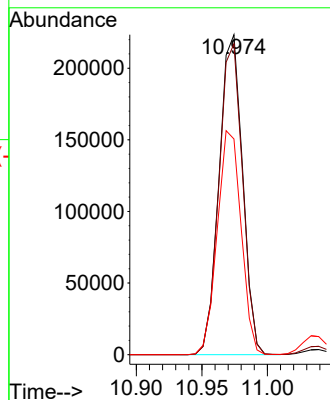
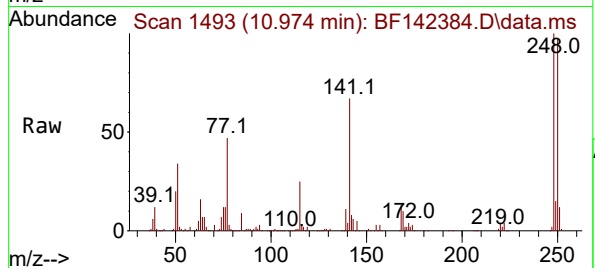




#67
4-Bromophenyl-phenylether
Concen: 40.333 ng
RT: 10.974 min Scan# 1493
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

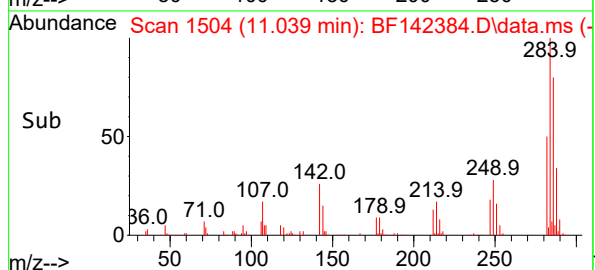
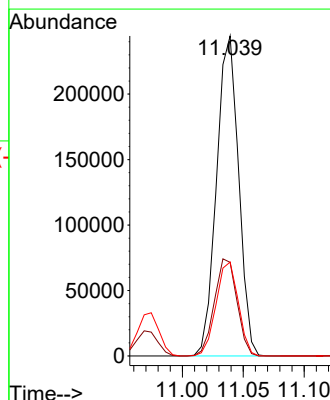
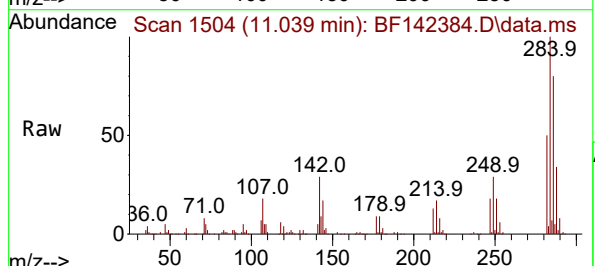
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

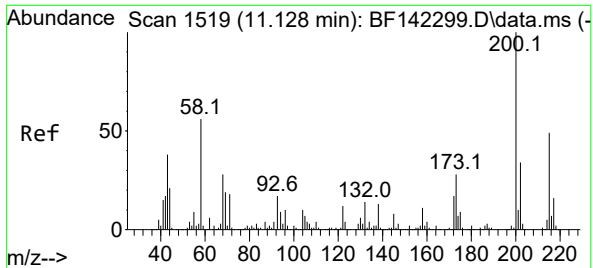
Tgt Ion:248 Resp: 278763
Ion Ratio Lower Upper
248 100
250 97.1 77.9 116.9
141 67.4 59.8 89.8



#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# 1518

Delta R.T. -0.006 min

Lab File: BF142384.D

Acq: 15 May 2025 10:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

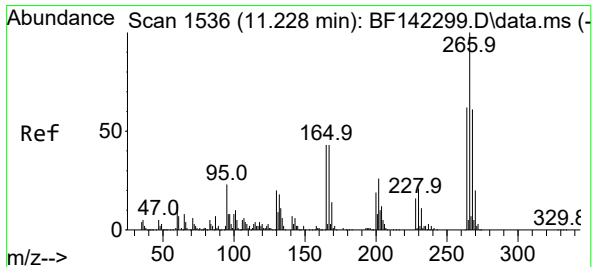
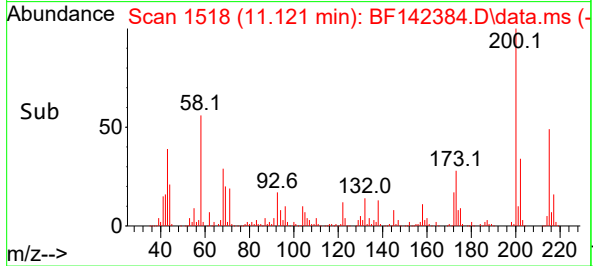
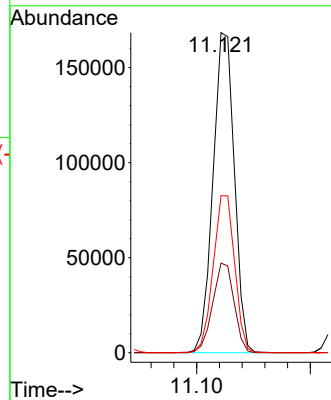
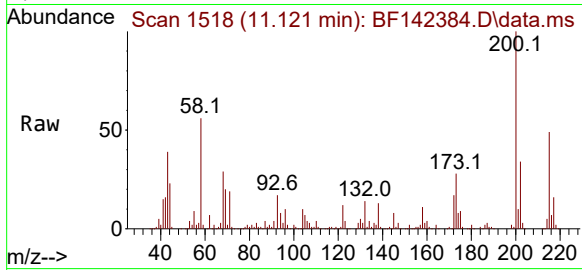
Tgt Ion:200 Resp: 220173

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

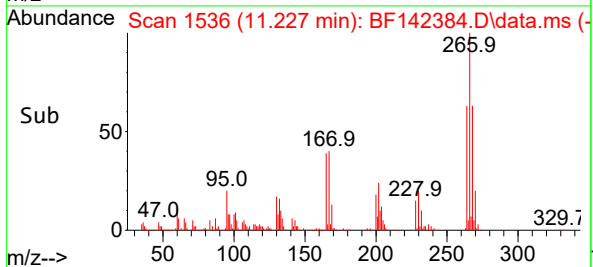
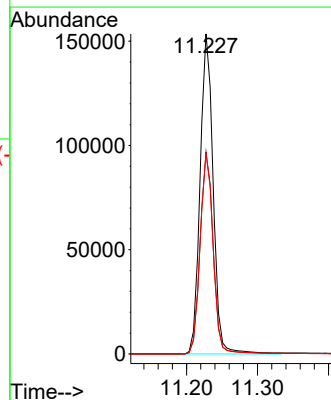
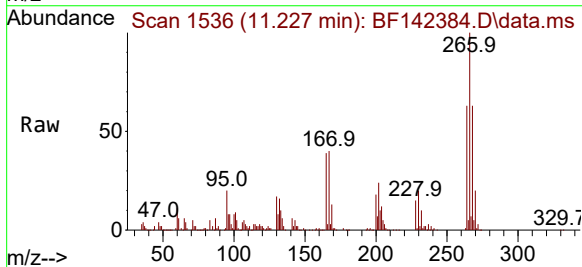
Tgt Ion:266 Resp: 196607

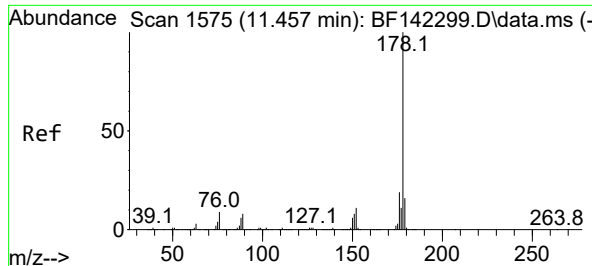
Ion Ratio Lower Upper

266 100

268 63.1 48.7 73.1

264 62.8 49.8 74.6

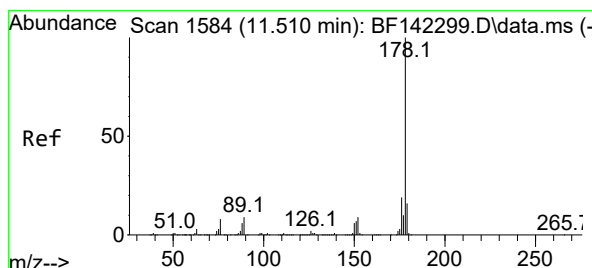
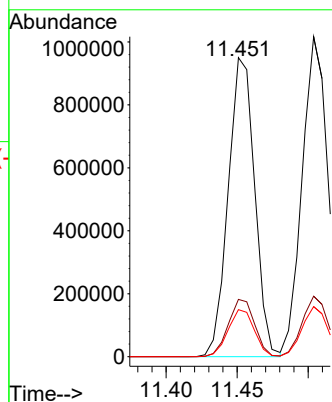
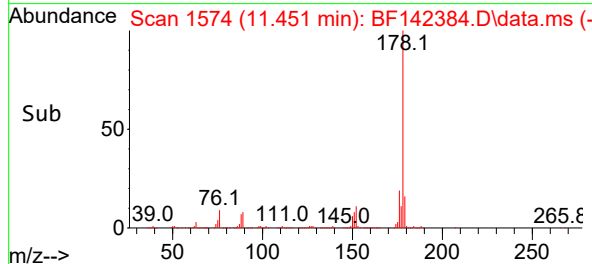
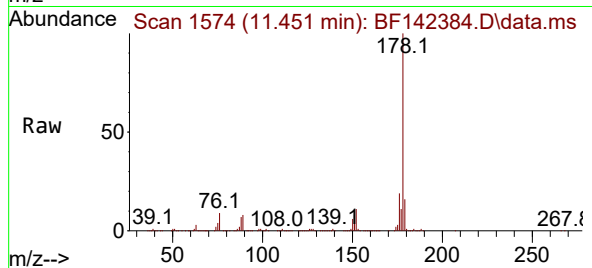




#71
Phenanthrene
Concen: 38.567 ng
RT: 11.451 min Scan# 1575
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

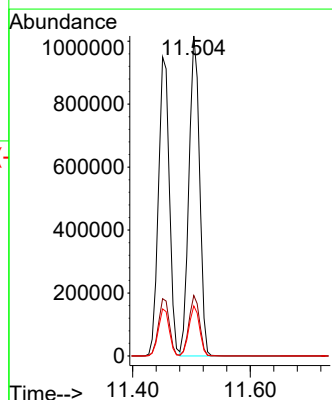
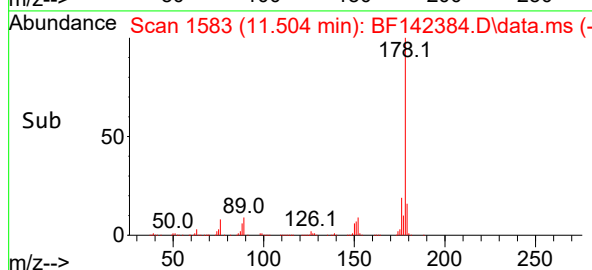
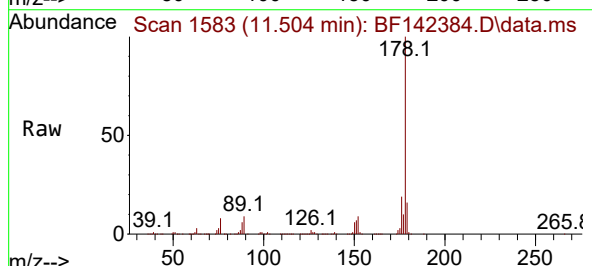
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

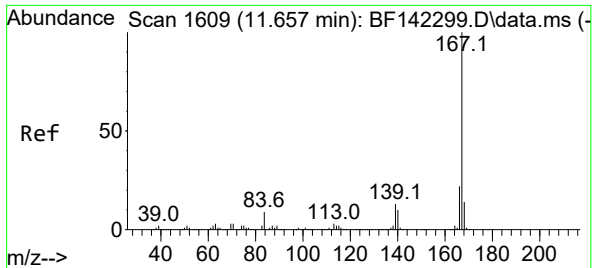
Tgt Ion:178 Resp: 1232846
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.8 12.6 18.8



#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

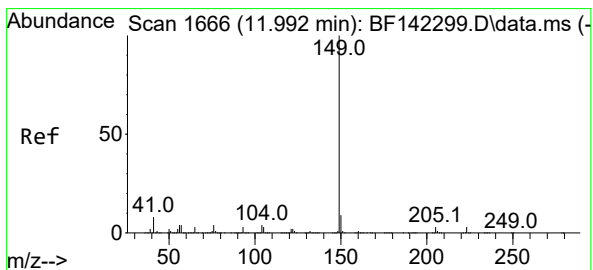
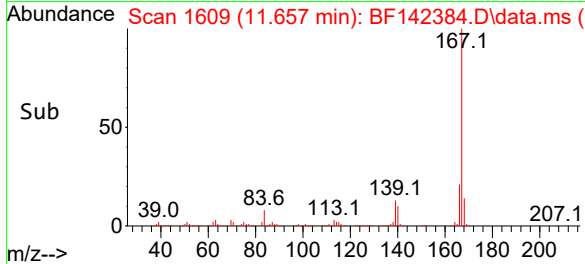
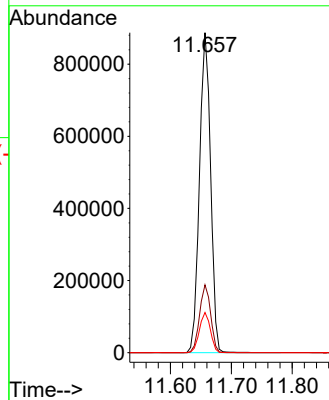
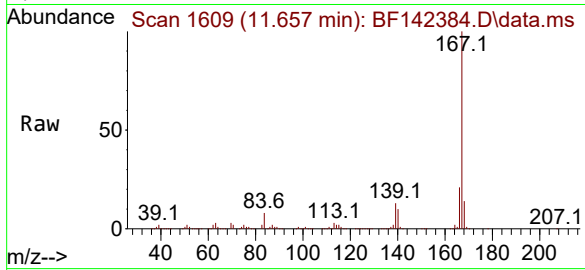




#73
Carbazole
Concen: 38.029 ng
RT: 11.657 min Scan# 1609
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

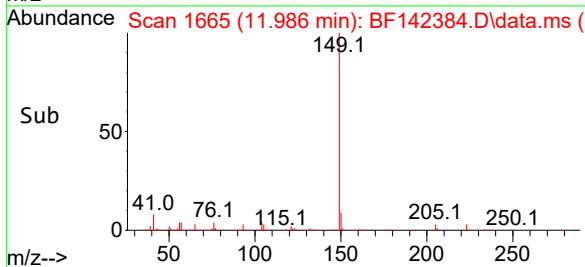
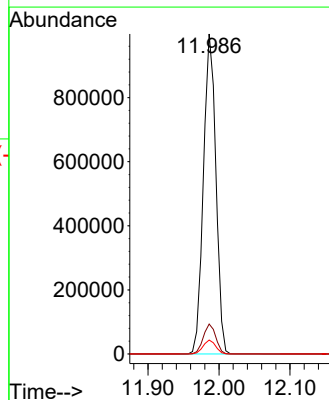
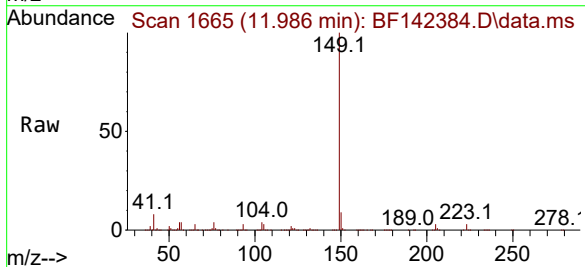
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

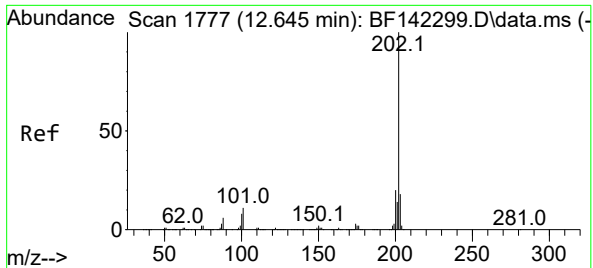
Tgt Ion:167 Resp: 1120621
Ion Ratio Lower Upper
167 100
166 21.2 17.2 25.8
139 12.5 10.3 15.5



#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

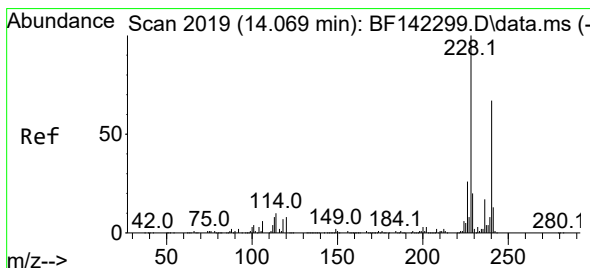
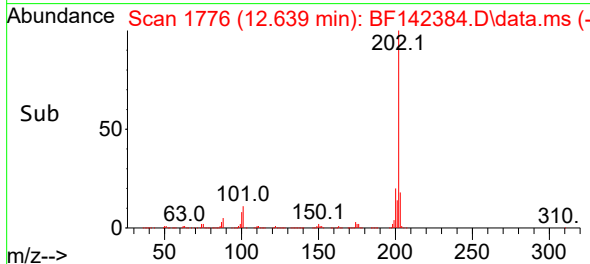
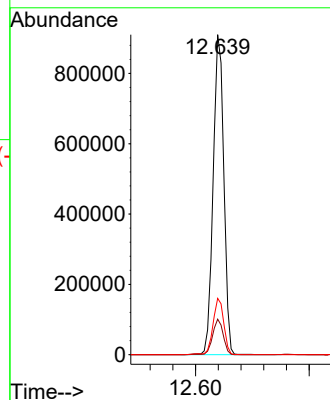
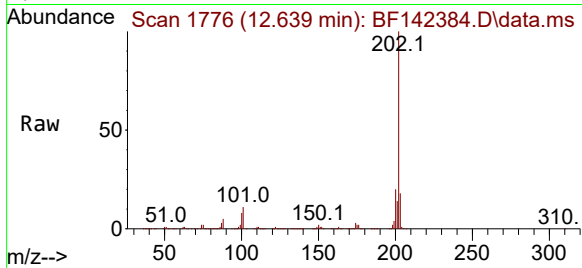




#75
Fluoranthene
Concen: 36.881 ng
RT: 12.639 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

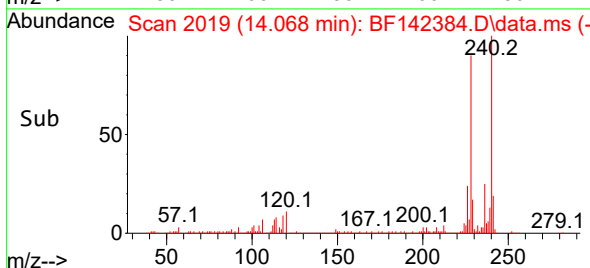
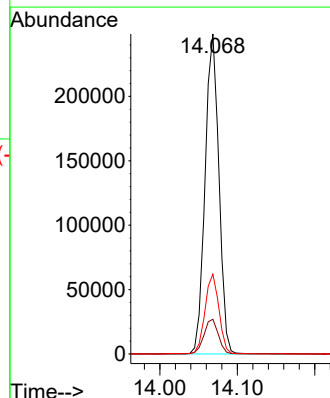
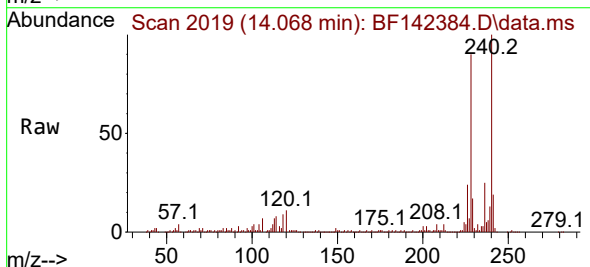
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

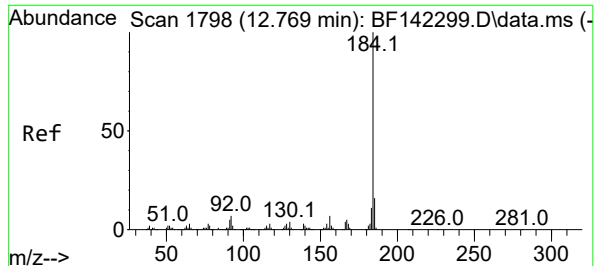
Tgt Ion:202 Resp: 1178524
Ion Ratio Lower Upper
202 100
101 11.1 0.0 31.4
203 17.6 0.0 37.9



#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# 11

Delta R.T. -0.006 min

Lab File: BF142384.D

Acq: 15 May 2025 10:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

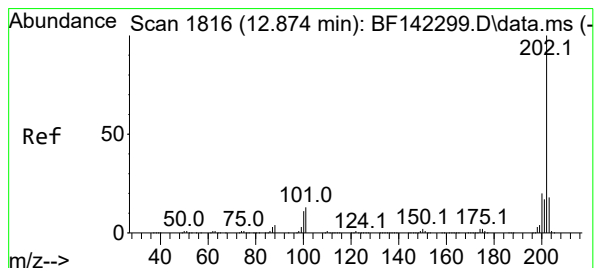
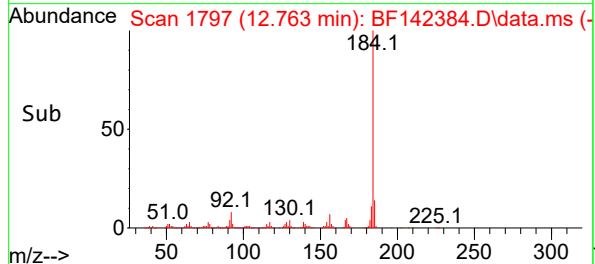
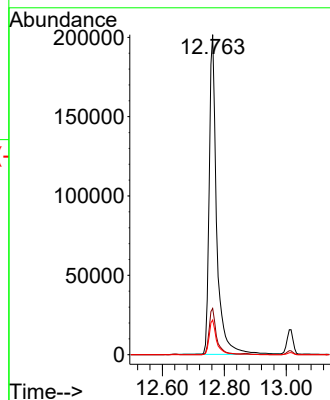
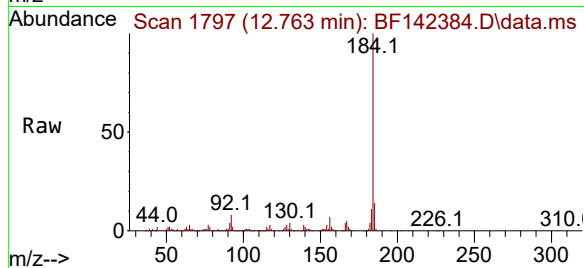
Tgt Ion:184 Resp: 338767

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

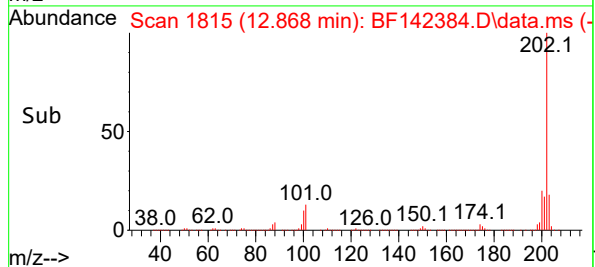
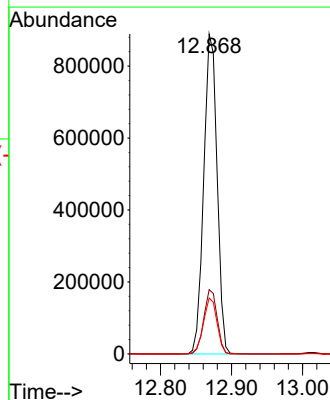
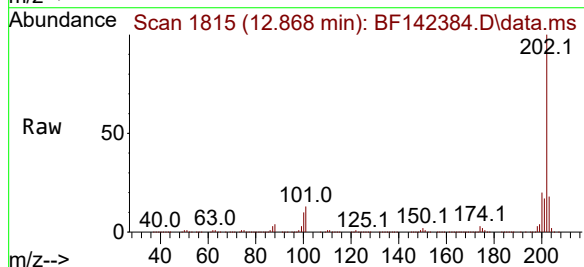
Tgt Ion:202 Resp: 1163491

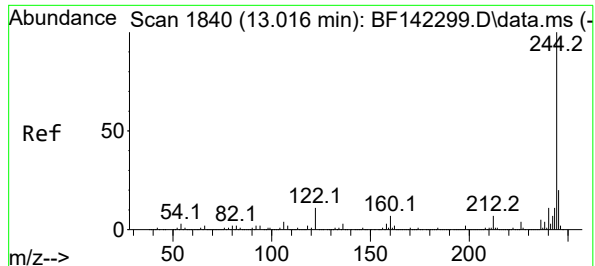
Ion Ratio Lower Upper

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# 11

Delta R.T. -0.000 min

Lab File: BF142384.D

Acq: 15 May 2025 10:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

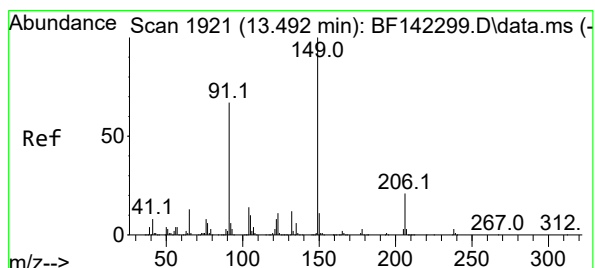
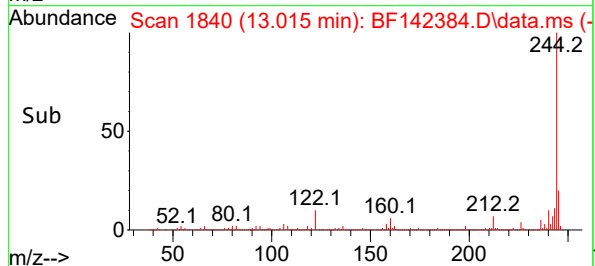
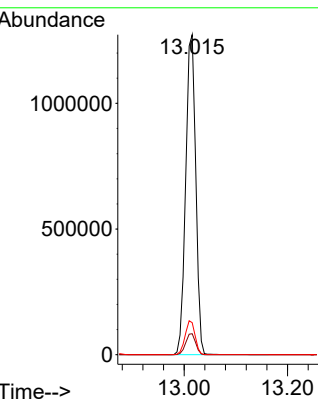
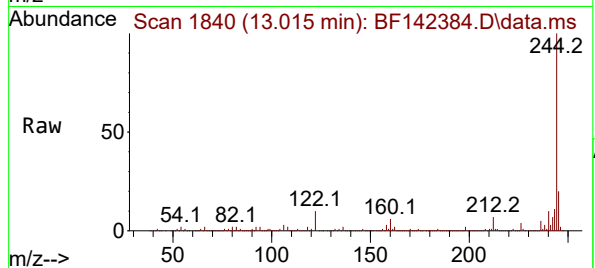
Tgt Ion:244 Resp: 1718750

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

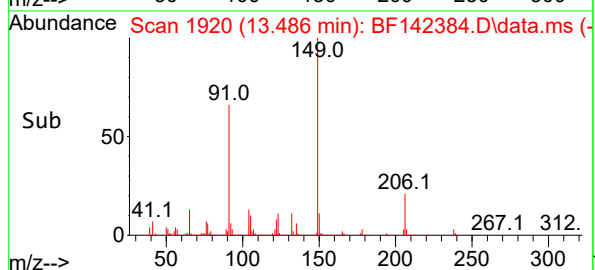
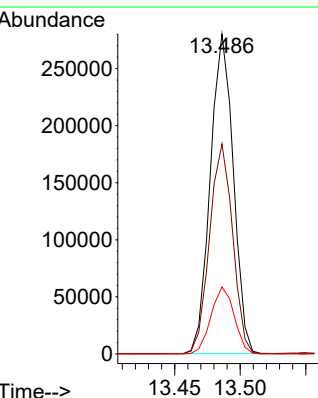
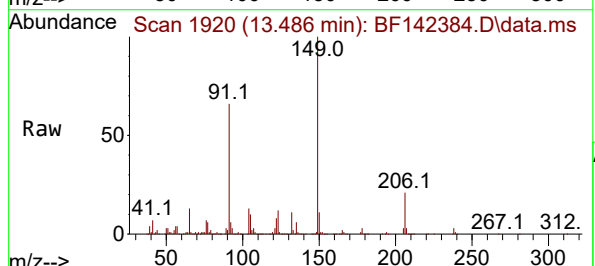
Tgt Ion:149 Resp: 341169

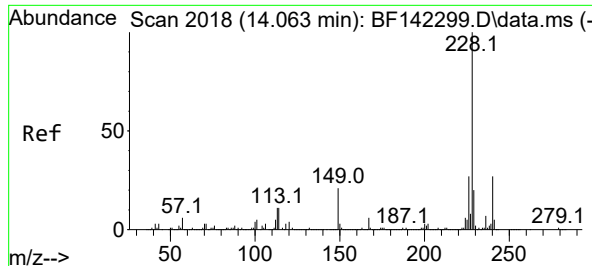
Ion Ratio Lower Upper

149 100

91 65.6 53.8 80.6

206 20.9 16.6 24.8

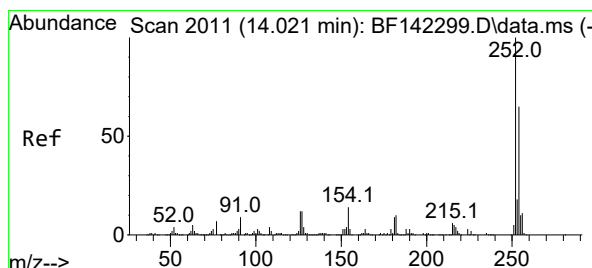
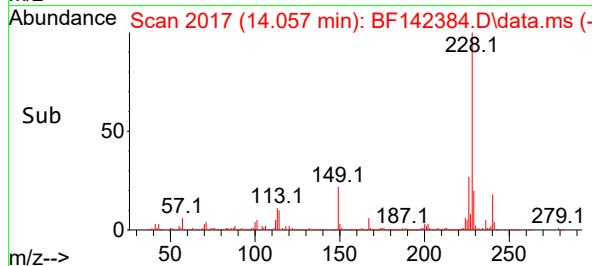
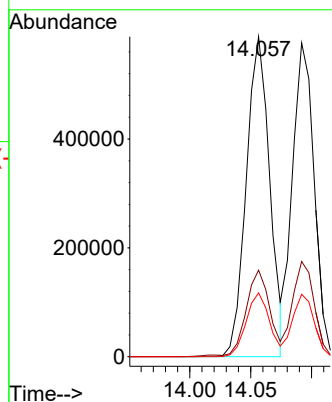
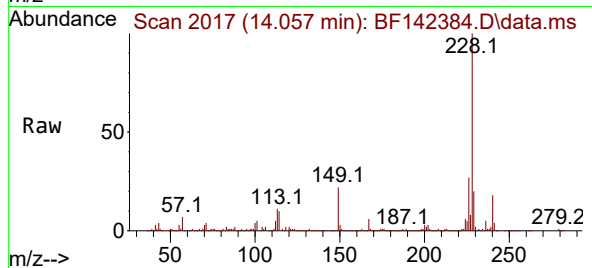




#81
Benzo(a)anthracene
Concen: 39.532 ng
RT: 14.057 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

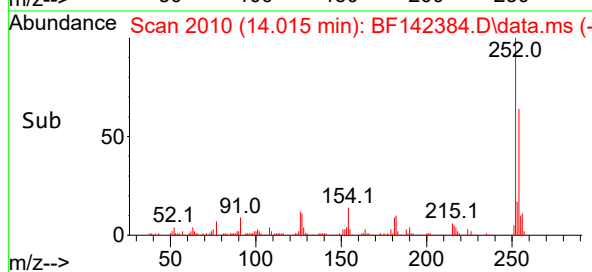
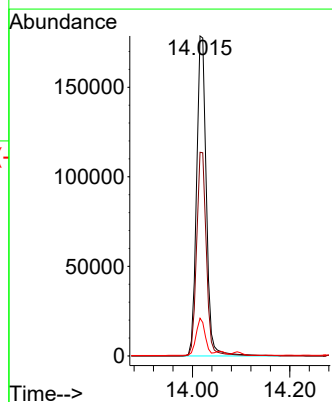
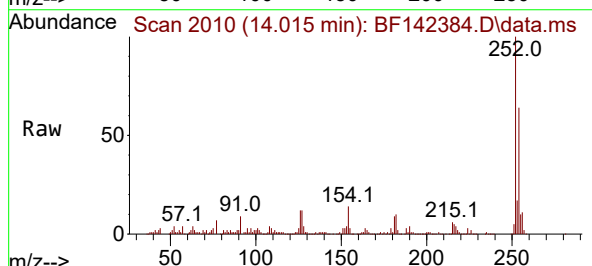
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

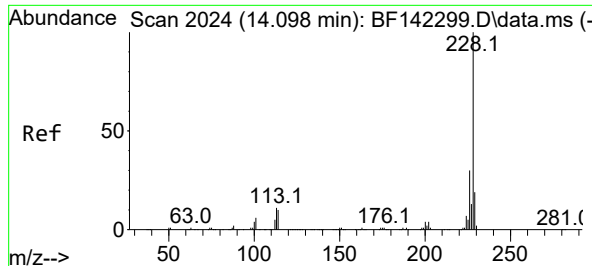
Tgt Ion:228 Resp: 787940
Ion Ratio Lower Upper
228 100
226 27.1 21.5 32.3
229 19.9 15.9 23.9



#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# 20

Delta R.T. -0.006 min

Lab File: BF142384.D

Acq: 15 May 2025 10:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

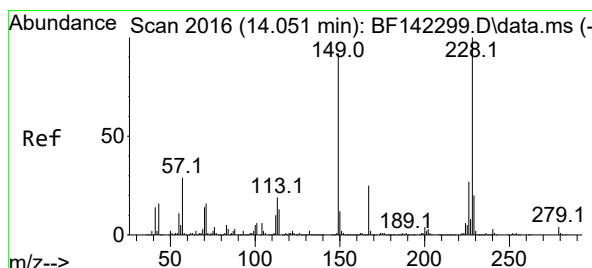
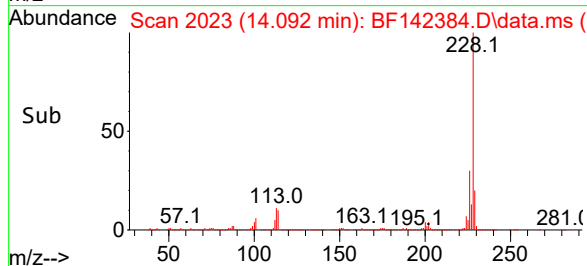
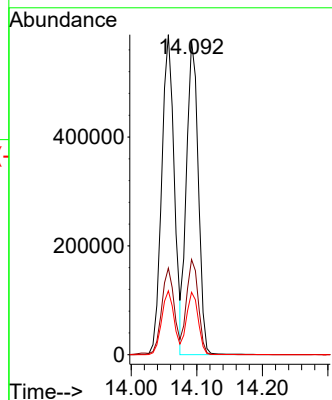
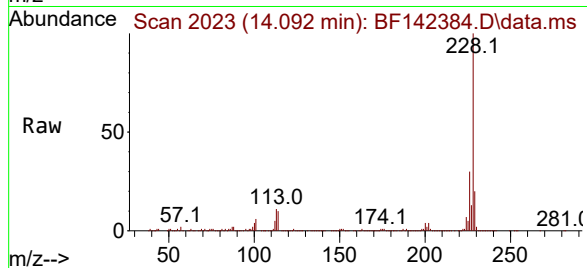
Tgt Ion:228 Resp: 718046

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

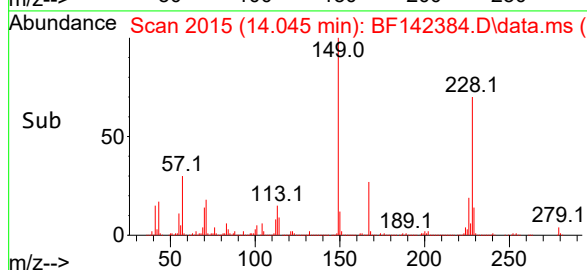
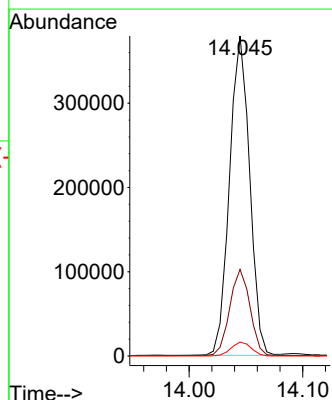
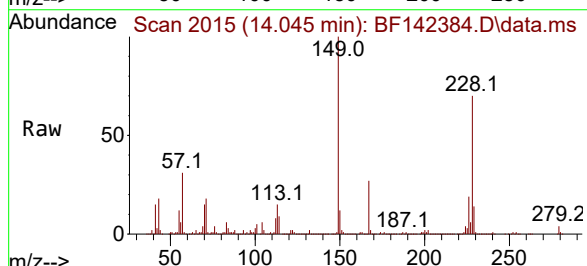
Tgt Ion:149 Resp: 466640

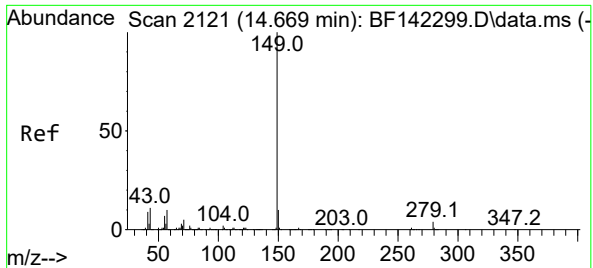
Ion Ratio Lower Upper

149 100

167 27.1 22.0 33.0

279 4.3 3.0 4.6

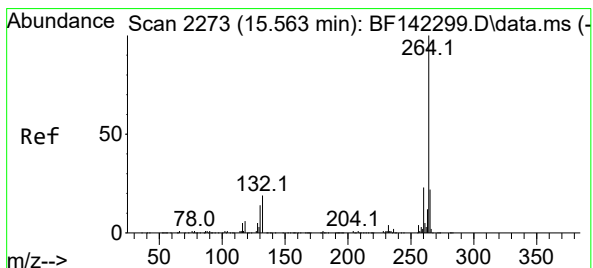
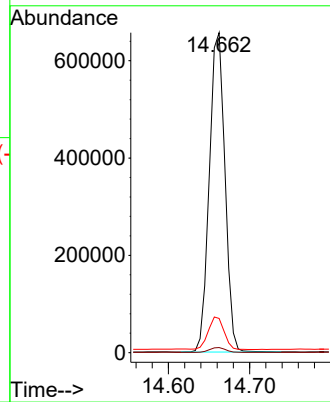
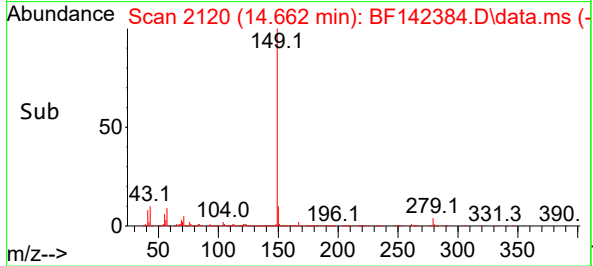
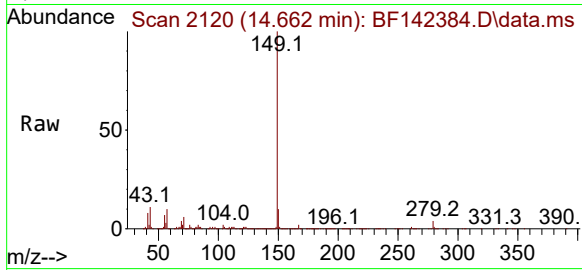




#85
Di-n-octyl phthalate
Concen: 46.831 ng
RT: 14.662 min Scan# 2121
Delta R.T. -0.007 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

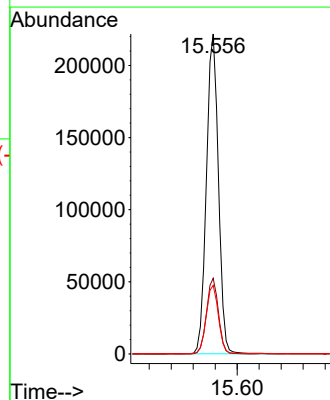
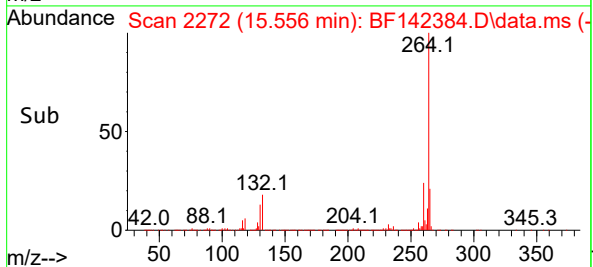
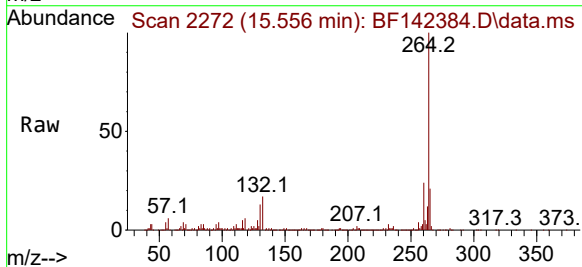
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

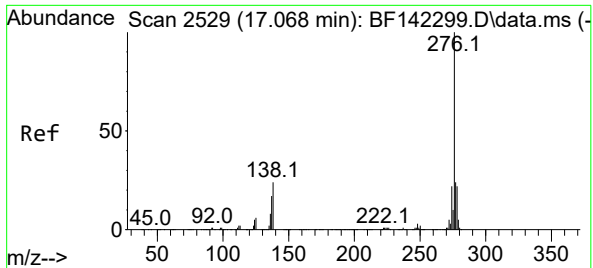
Tgt Ion:149 Resp: 874781
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 10.3 9.2 13.8



#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# 2197

Delta R.T. -0.006 min

Lab File: BF142384.D

Acq: 15 May 2025 10:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

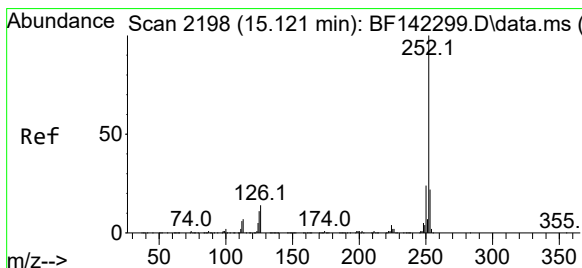
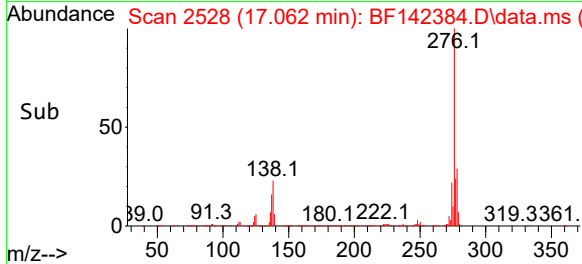
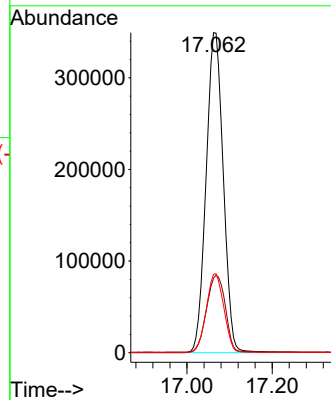
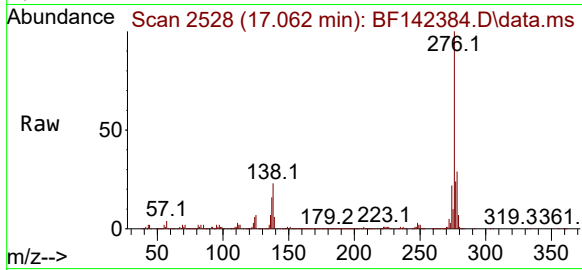
Tgt Ion:276 Resp: 977143

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

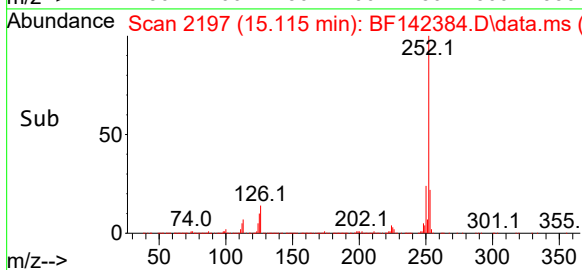
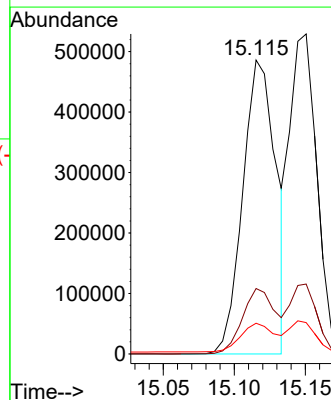
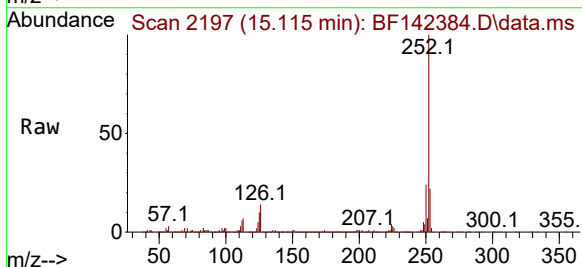
Tgt Ion:252 Resp: 790611

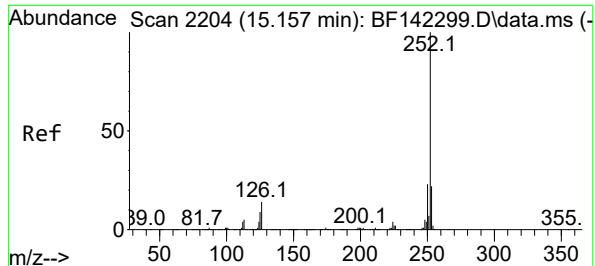
Ion Ratio Lower Upper

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# 21

Delta R.T. -0.006 min

Lab File: BF142384.D

Acq: 15 May 2025 10:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

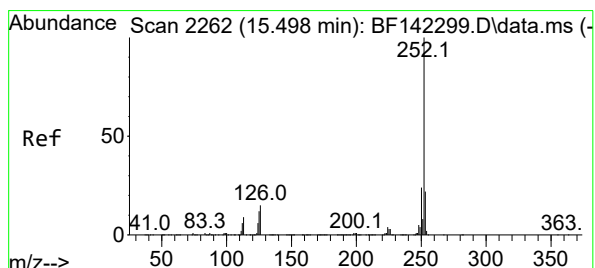
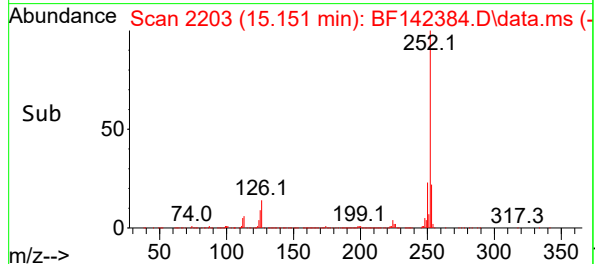
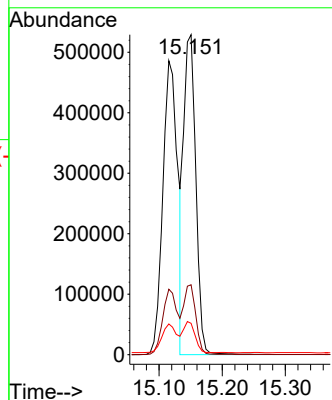
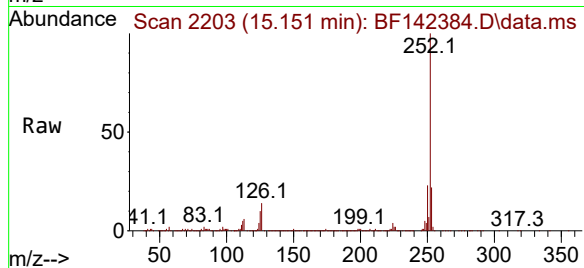
Tgt Ion:252 Resp: 705674

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

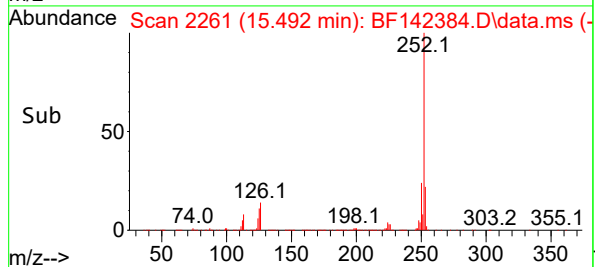
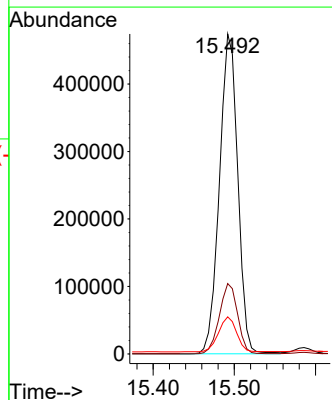
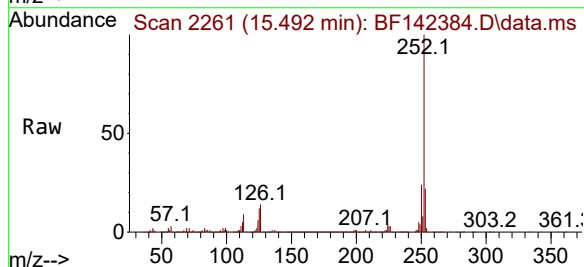
Tgt Ion:252 Resp: 744294

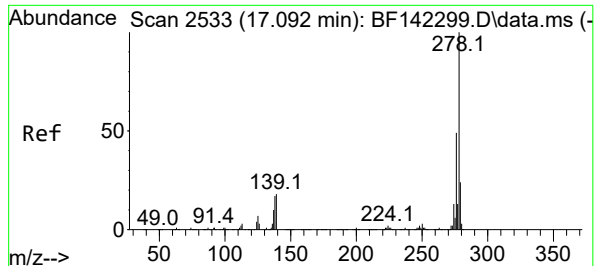
Ion Ratio Lower Upper

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# 21

Delta R.T. -0.006 min

Lab File: BF142384.D

Acq: 15 May 2025 10:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

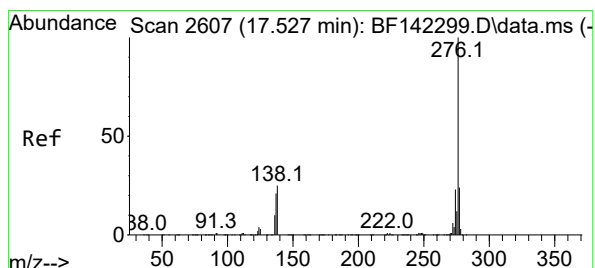
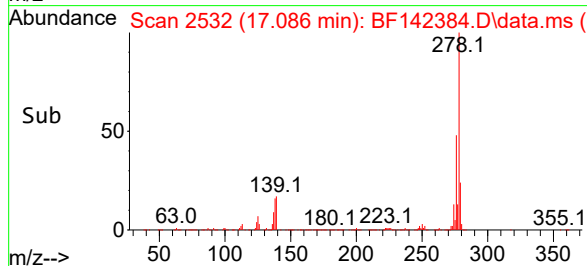
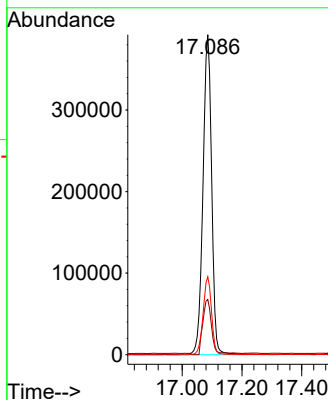
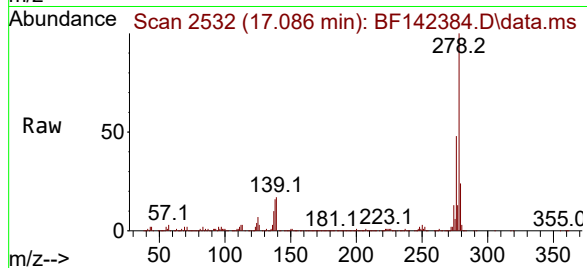
Tgt Ion:278 Resp: 791409

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

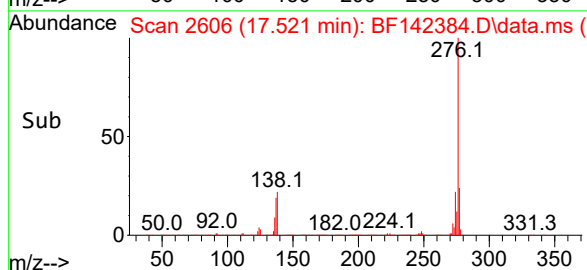
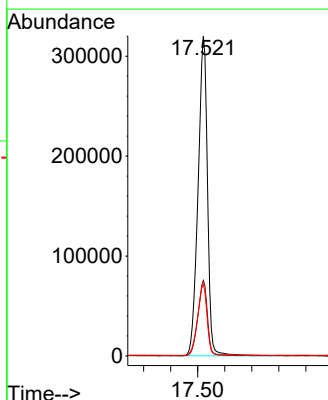
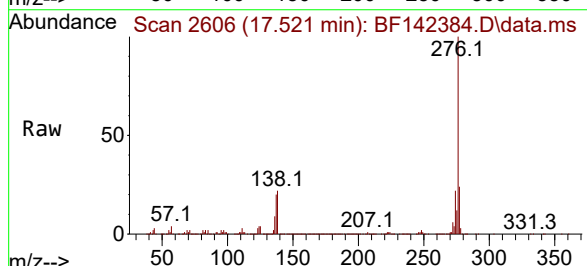
Tgt Ion:276 Resp: 776651

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	Benzydine	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	Benzydine	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



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



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.

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

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 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

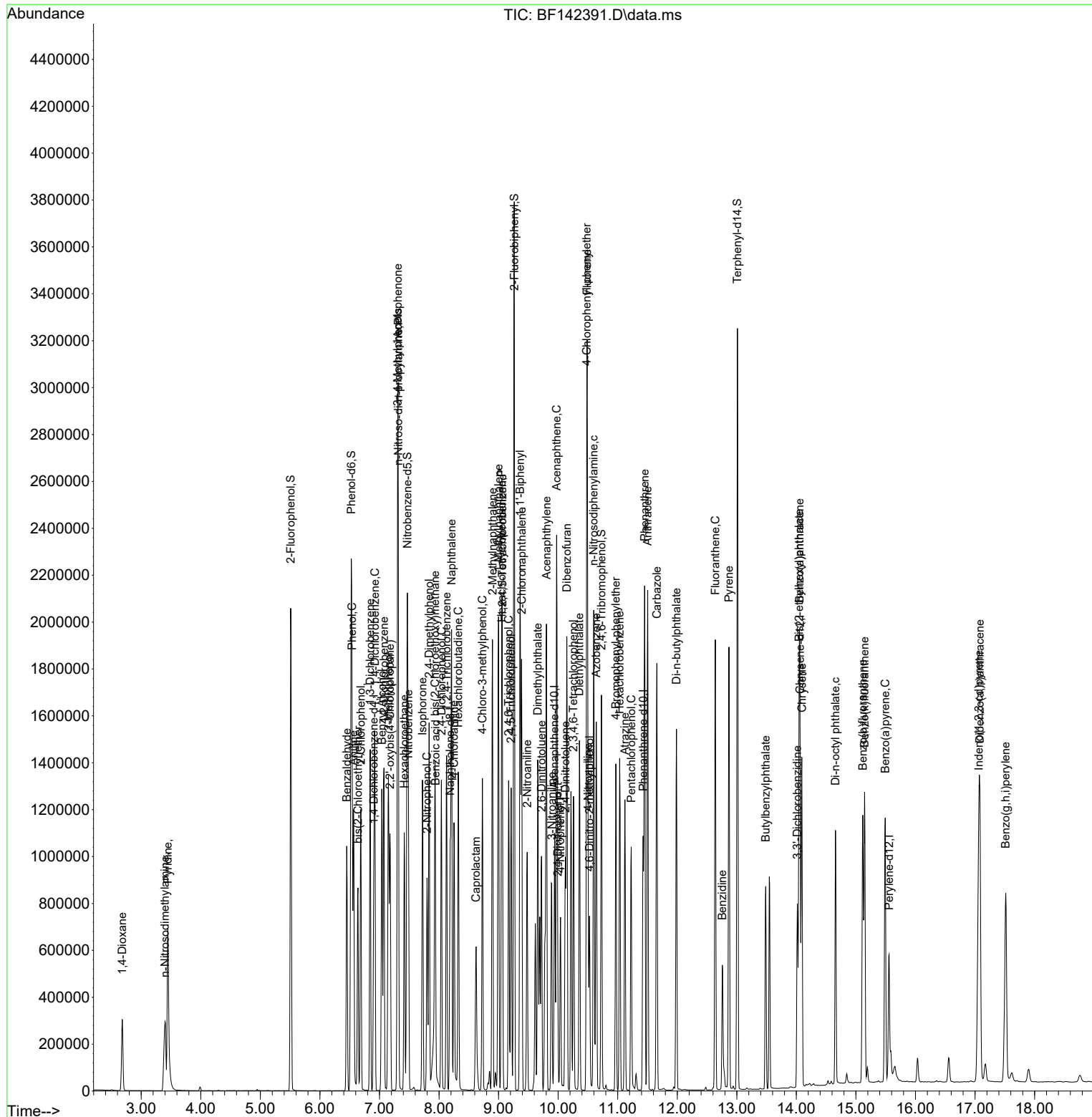
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46) 1,1'-Biphenyl	9.363	154	982857	38.942	ng	99
47) 2-Chloronaphthalene	9.386	162	743800	39.628	ng	99
48) 2-Nitroaniline	9.480	65	231469	48.112	ng	93
49) Acenaphthylene	9.804	152	1240865	39.520	ng	100
50) Dimethylphthalate	9.657	163	840785	39.778	ng	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

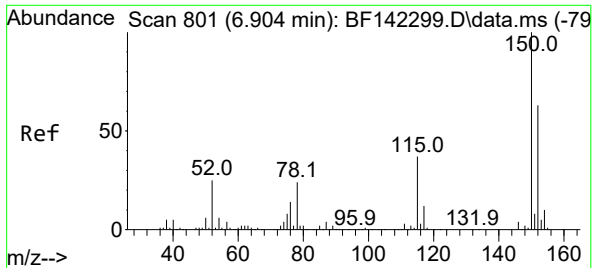
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Data File : BF142391.D
Acq On : 15 May 2025 13:58
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

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

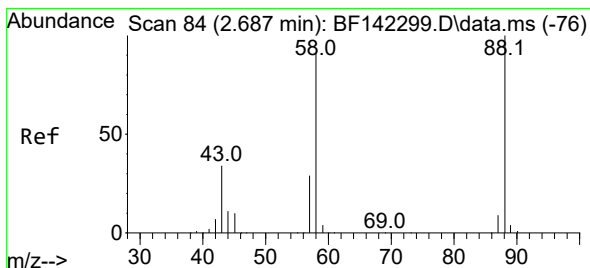
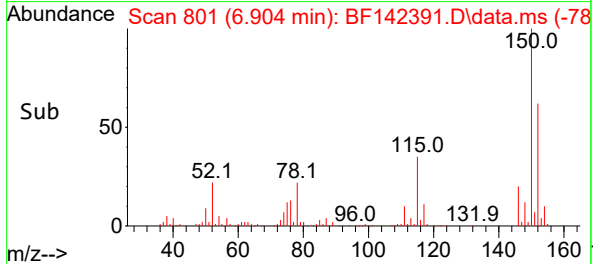
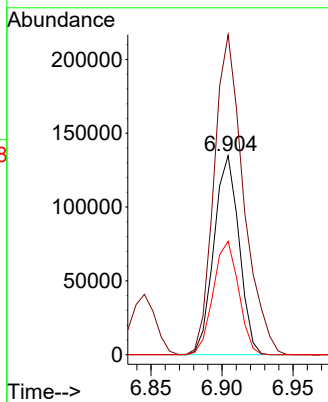
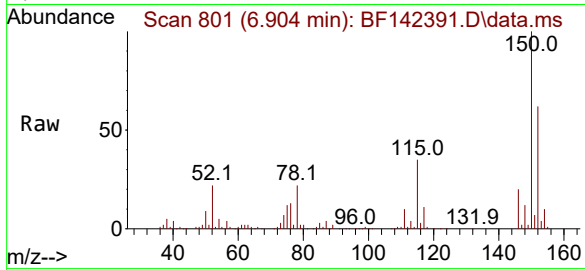




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

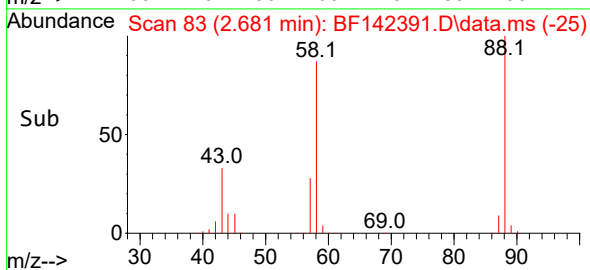
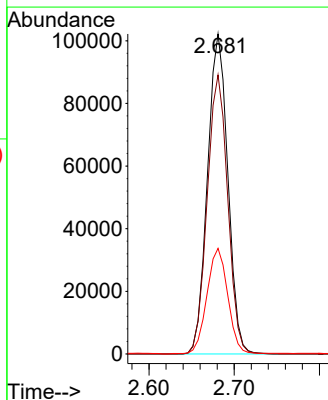
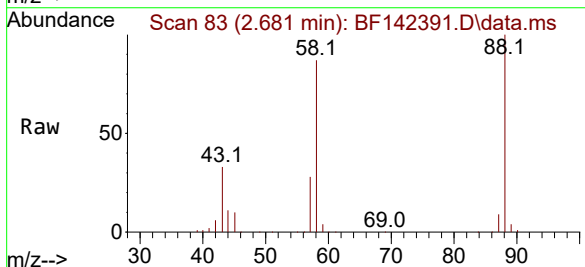
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BNA_F
ClientSampleId :
SSTDCCC040EC

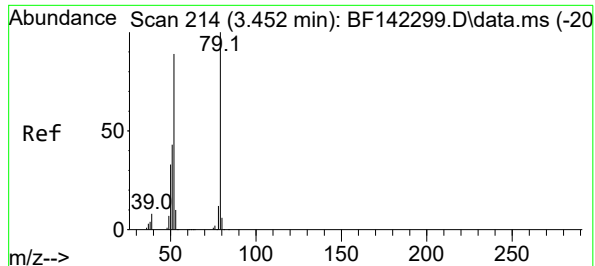
Tgt Ion:152 Resp: 165693
Ion Ratio Lower Upper
152 100
150 160.8 126.6 190.0
115 57.0 47.3 70.9



#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

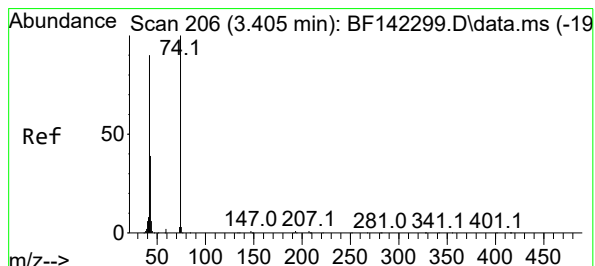
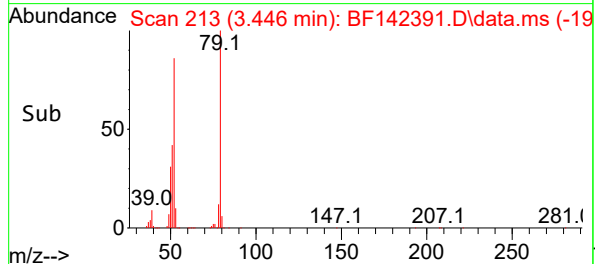
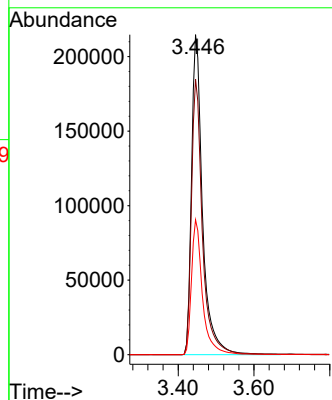
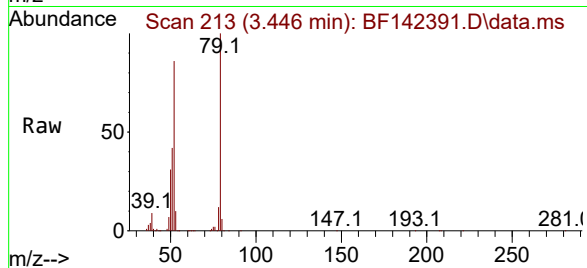




#3
Pyridine
Concen: 42.429 ng
RT: 3.446 min Scan# 214
Delta R.T. -0.006 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

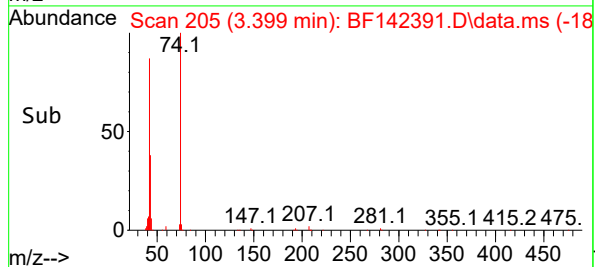
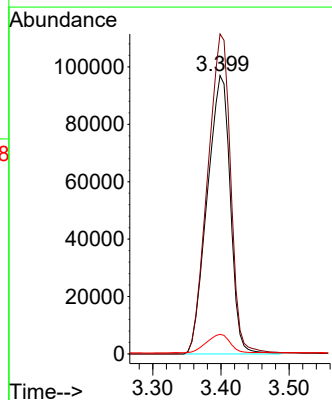
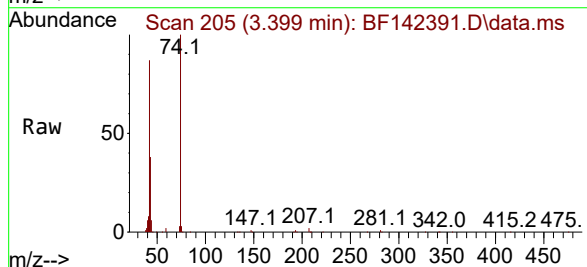
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BNA_F
ClientSampleId :
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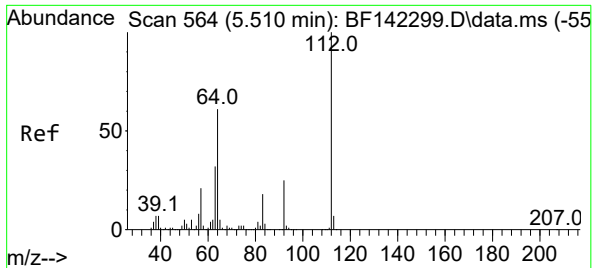
Tgt Ion: 79 Resp: 435405
Ion Ratio Lower Upper
79 100
52 86.1 71.0 106.4
51 42.1 34.9 52.3



#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

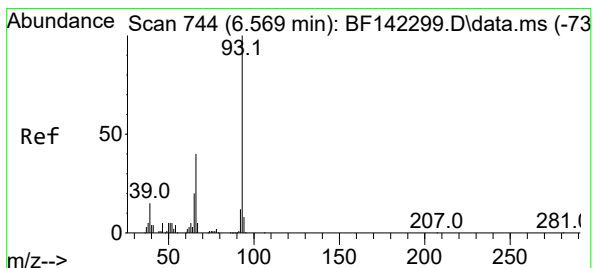
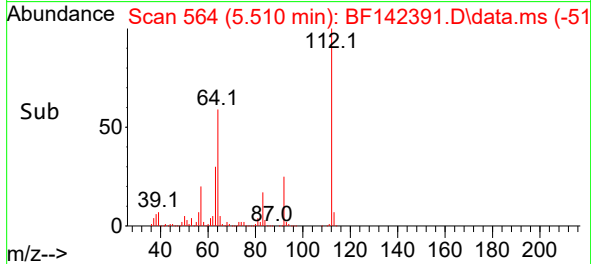
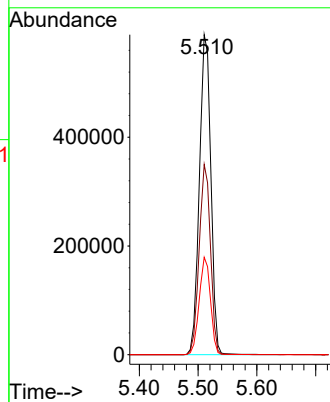
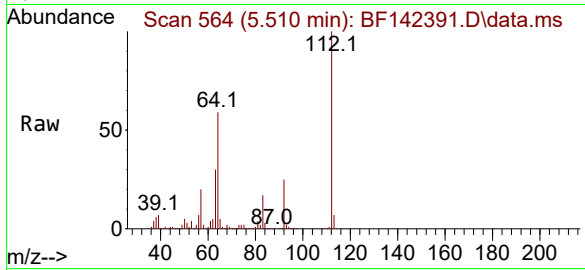




#5
2-Fluorophenol
Concen: 82.159 ng
RT: 5.510 min Scan# 510
Delta R.T. -0.000 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

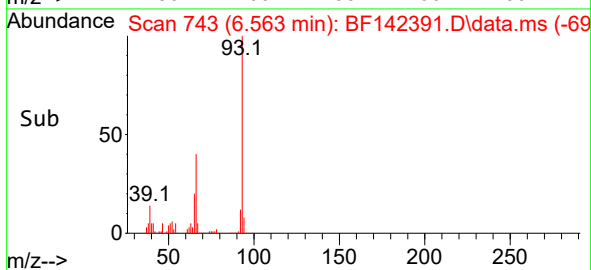
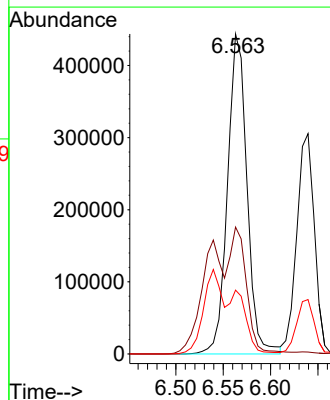
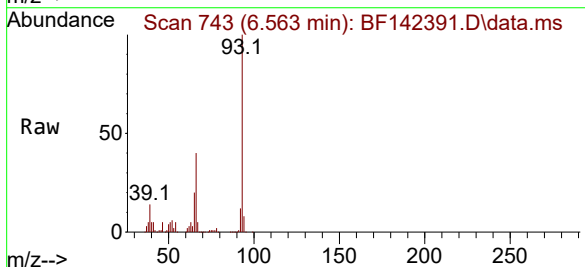
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BNA_F
ClientSampleId :
SSTDCCC040EC

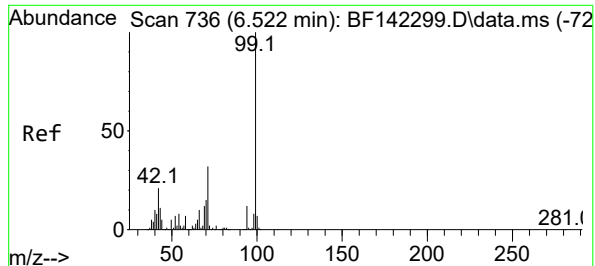
Tgt Ion:112 Resp: 797453
Ion Ratio Lower Upper
112 100
64 59.4 48.9 73.3
63 30.4 25.6 38.4



#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# 71

Delta R.T. 0.006 min

Lab File: BF142391.D

Acq: 15 May 2025 13:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

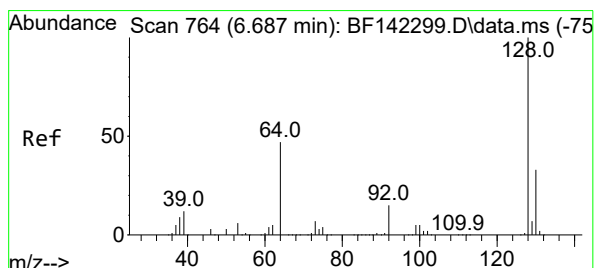
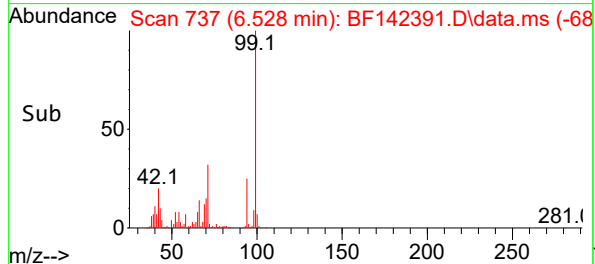
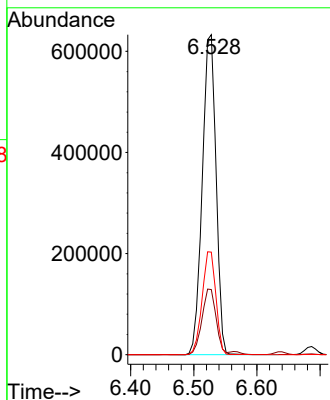
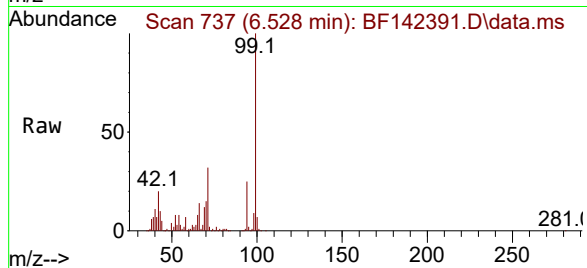
Tgt Ion: 99 Resp: 959335

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

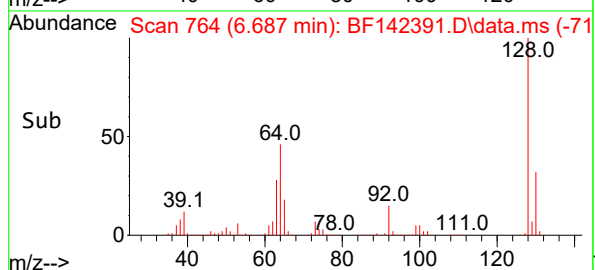
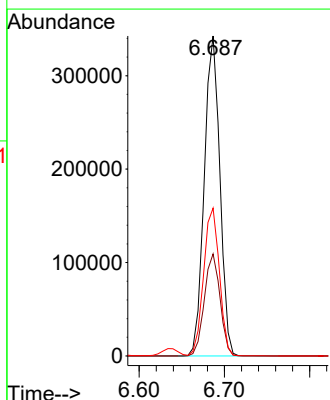
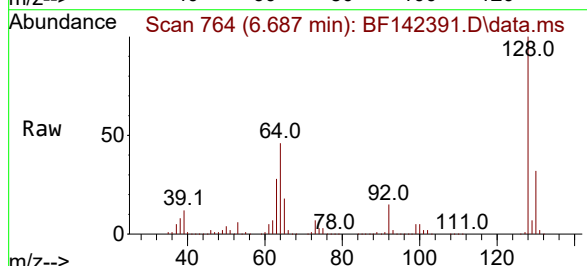
Tgt Ion: 128 Resp: 435861

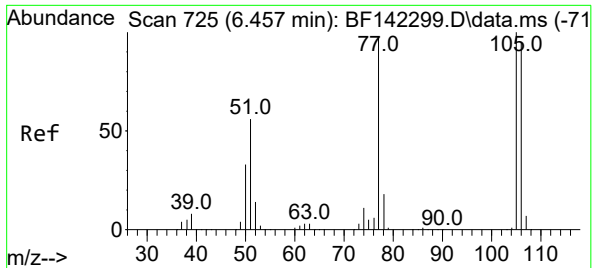
Ion Ratio Lower Upper

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# 71

Delta R.T. -0.006 min

Lab File: BF142391.D

Acq: 15 May 2025 13:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

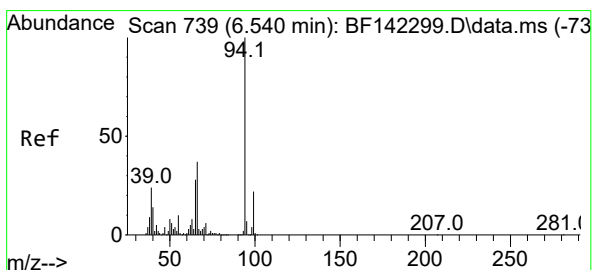
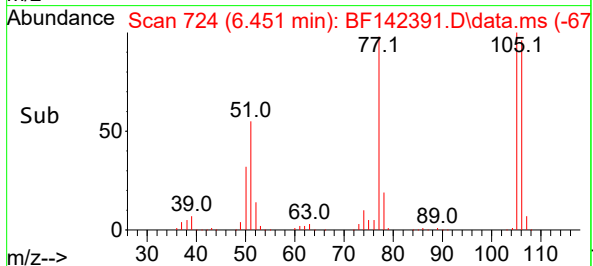
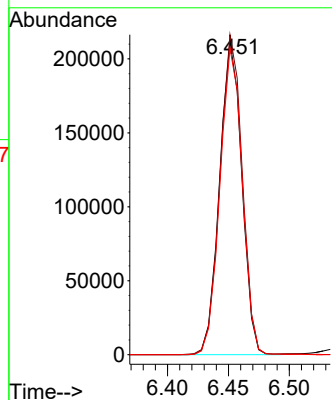
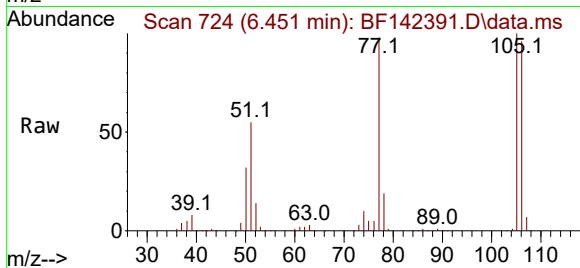
Tgt Ion: 77 Resp: 269299

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

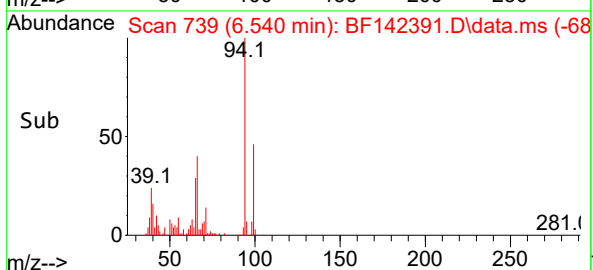
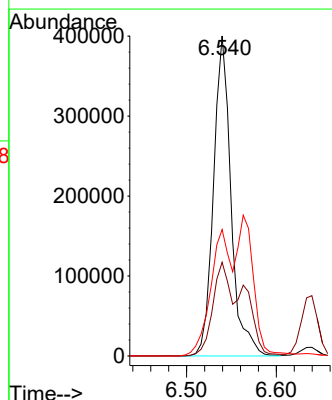
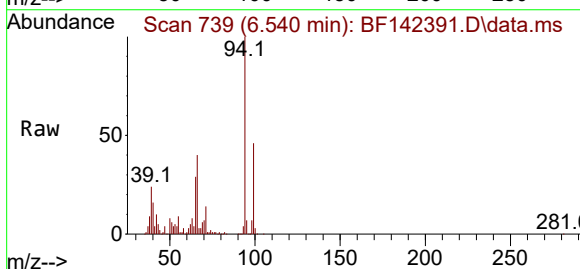
Tgt Ion: 94 Resp: 543482

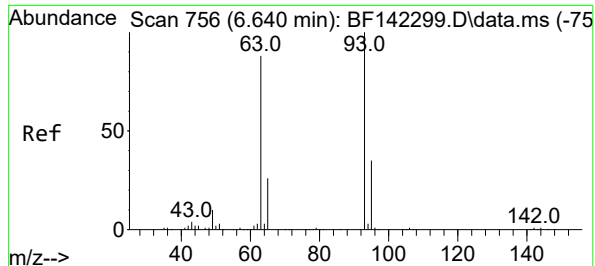
Ion Ratio Lower Upper

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# 756

Delta R.T. -0.000 min

Lab File: BF142391.D

Acq: 15 May 2025 13:58

Instrument :

BNA_F

ClientSampleId :

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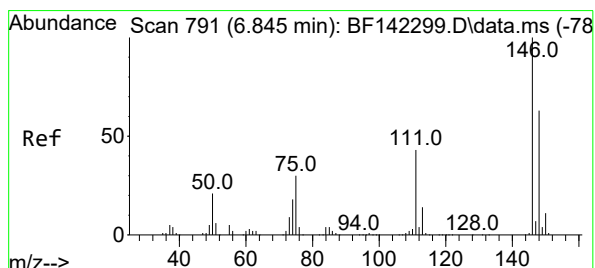
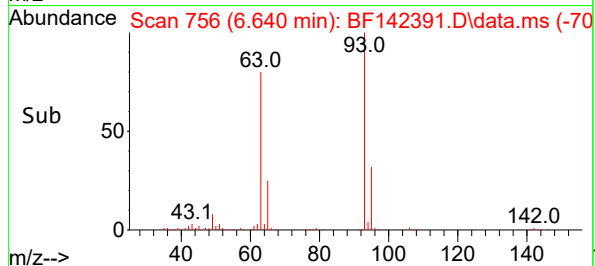
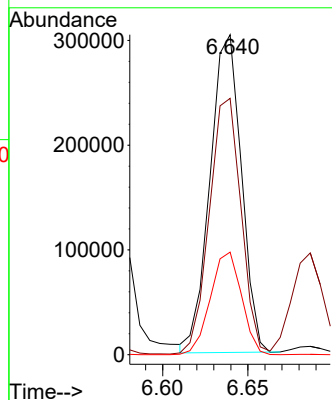
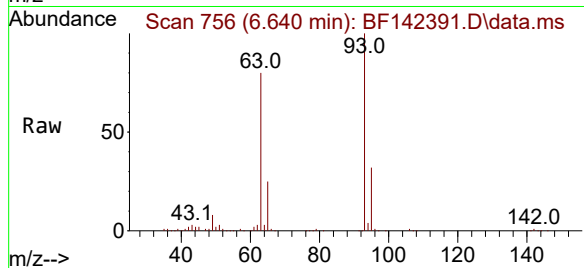
Tgt Ion: 93 Resp: 388497

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

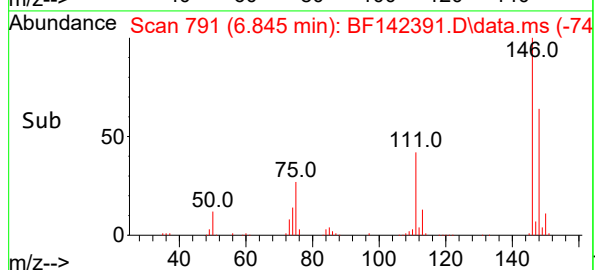
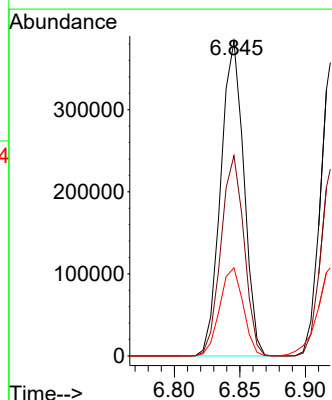
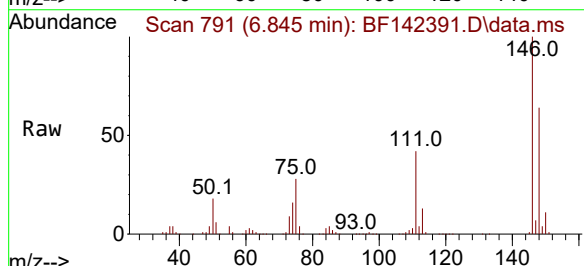
Tgt Ion:146 Resp: 469836

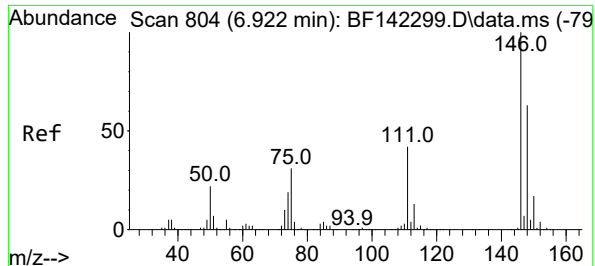
Ion Ratio Lower Upper

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# 804

Delta R.T. -0.000 min

Lab File: BF142391.D

Acq: 15 May 2025 13:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

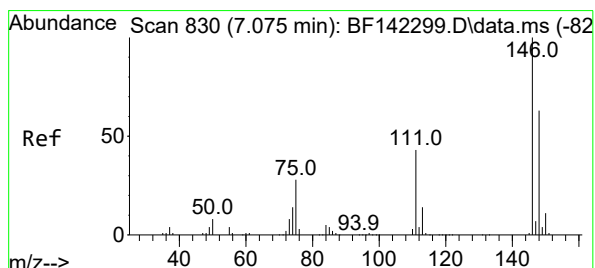
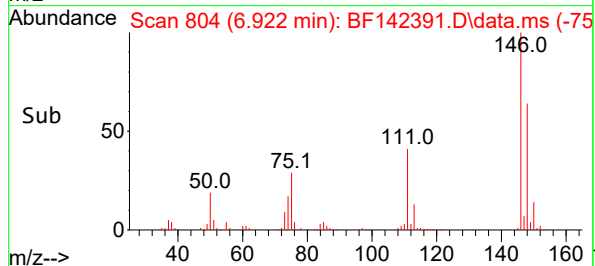
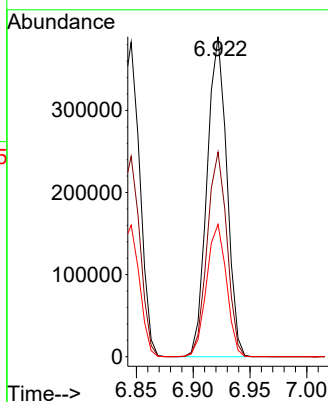
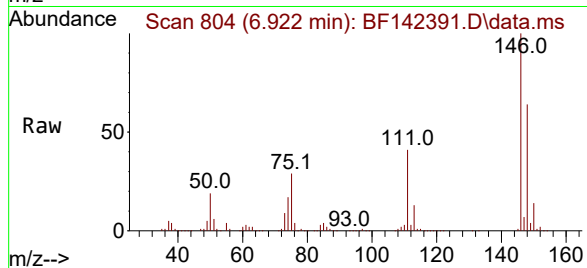
Tgt Ion:146 Resp: 472299

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

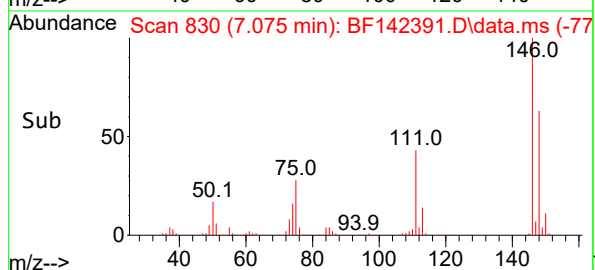
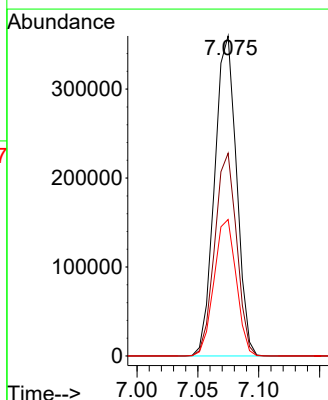
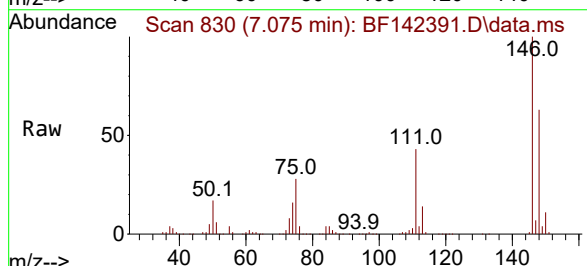
Tgt Ion:146 Resp: 451558

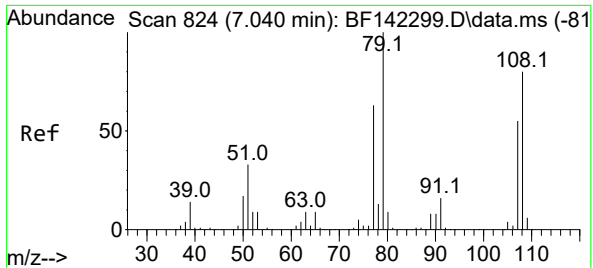
Ion Ratio Lower Upper

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# 81

Delta R.T. -0.000 min

Lab File: BF142391.D

Acq: 15 May 2025 13:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

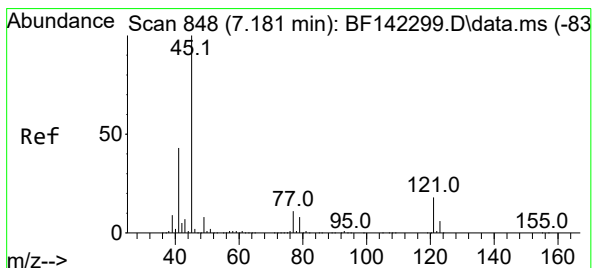
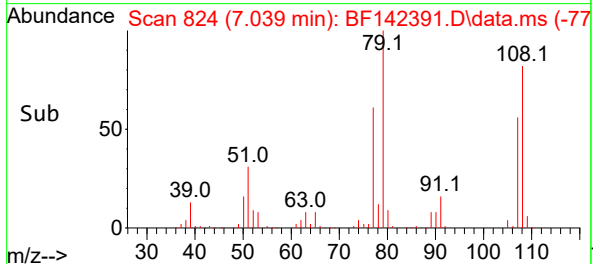
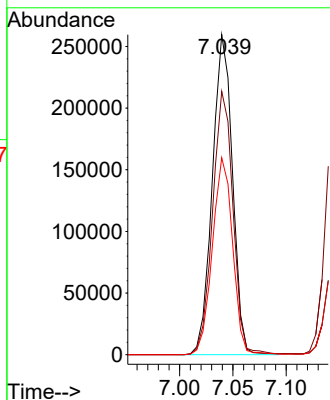
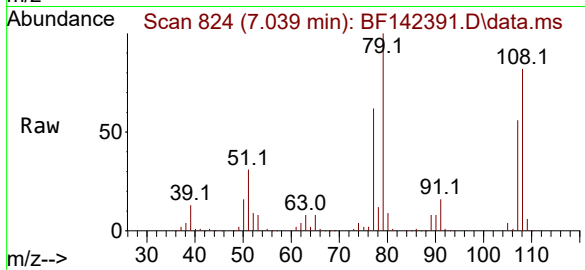
Tgt Ion: 79 Resp: 341363

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

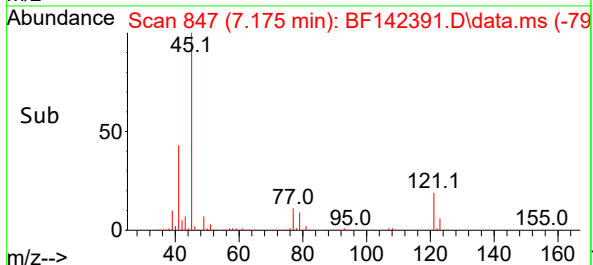
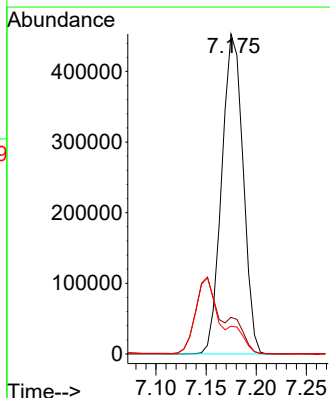
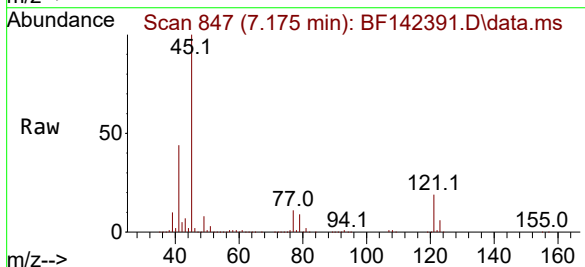
Tgt Ion: 45 Resp: 671161

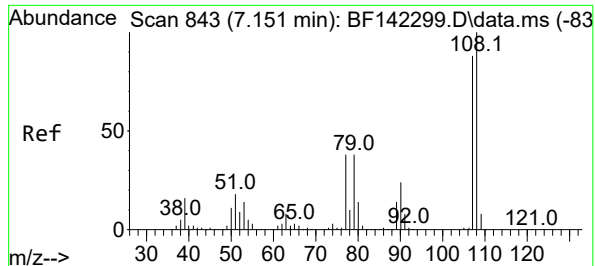
Ion Ratio Lower Upper

45 100

77 11.5 0.0 31.2

79 8.7 0.0 28.5

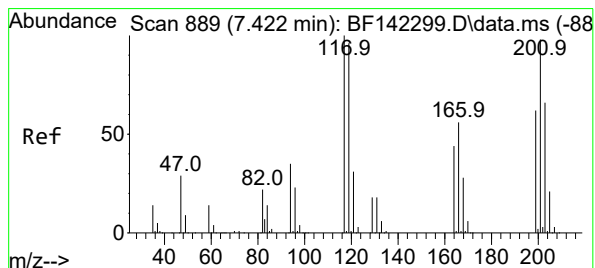
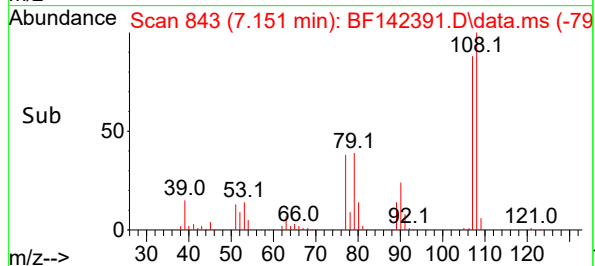
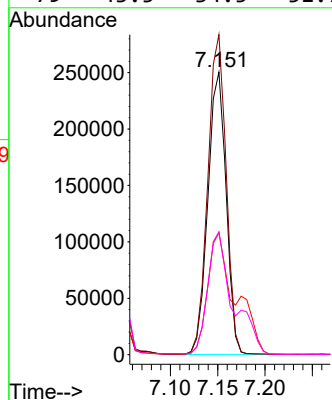
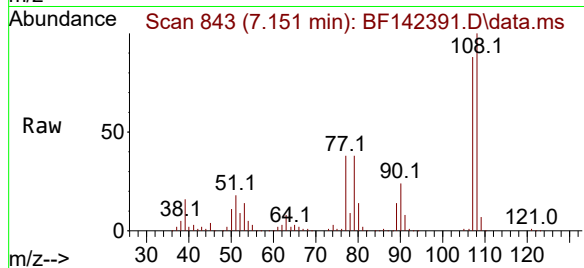




#17
2-Methylphenol
Concen: 39.916 ng
RT: 7.151 min Scan# 843
Delta R.T. -0.000 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

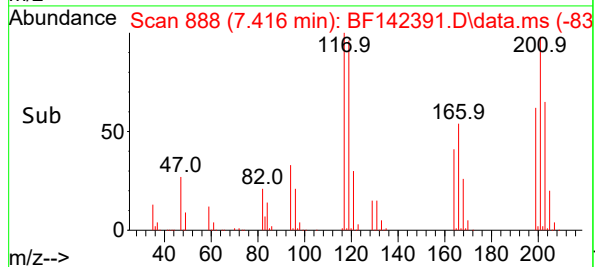
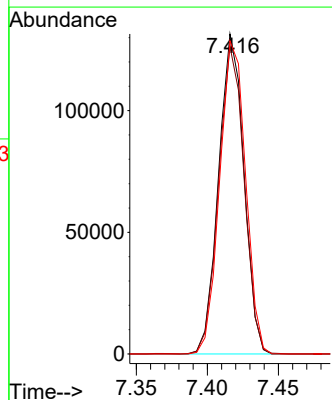
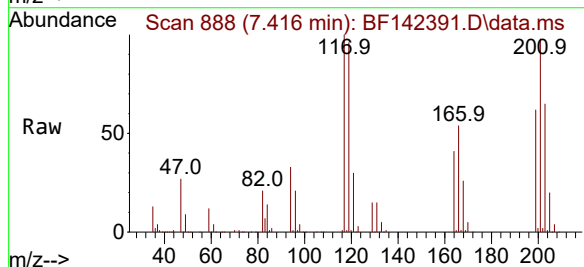
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

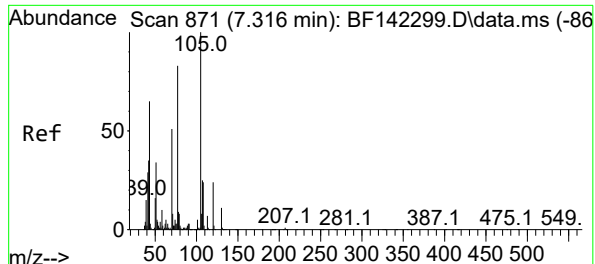
Tgt Ion:107 Resp: 335185
Ion Ratio Lower Upper
107 100
108 113.3 91.1 136.7
77 43.2 34.7 52.1
79 43.5 34.5 51.7



#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# 871

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

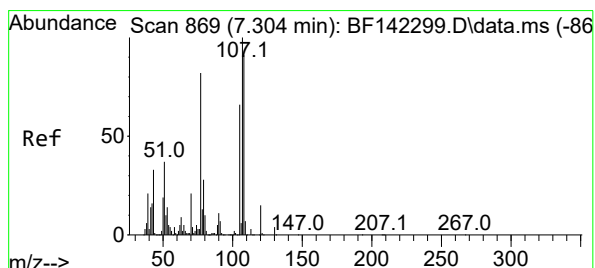
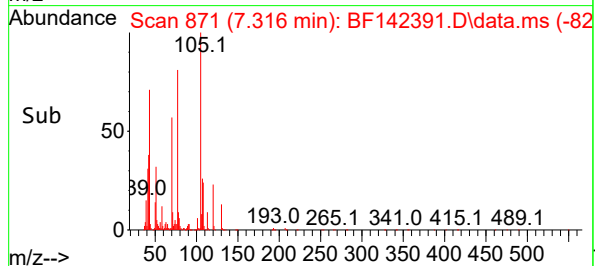
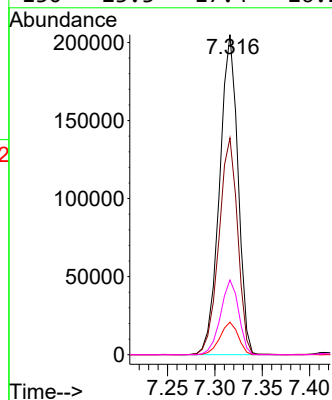
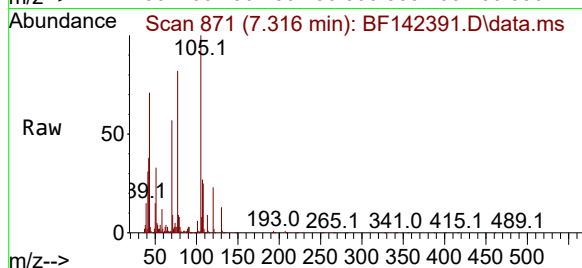
Ion Ratio Lower Upper

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

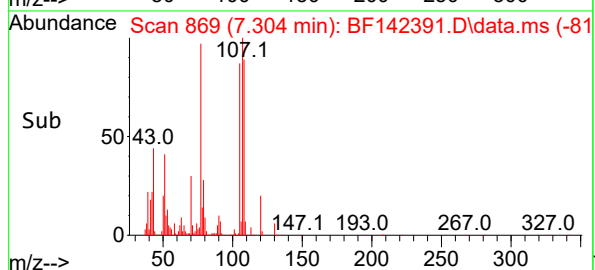
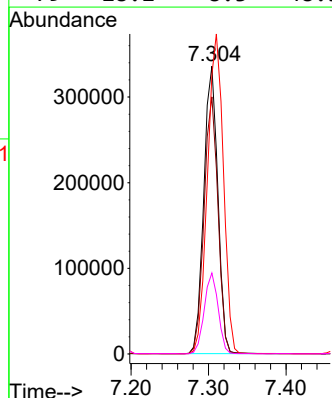
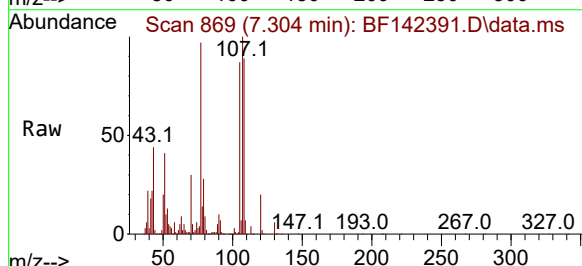
Ion Ratio Lower Upper

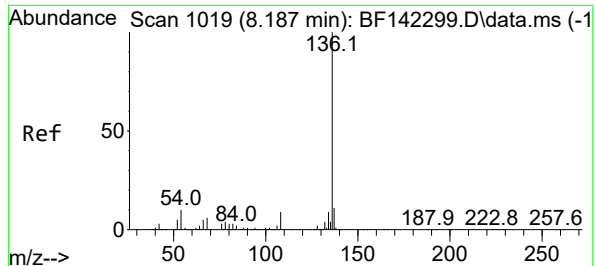
107 100

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# 1019

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

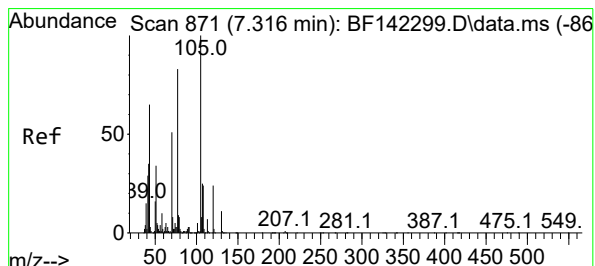
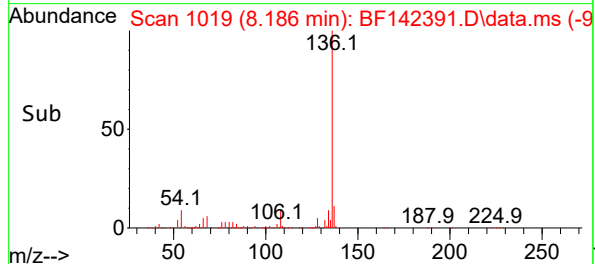
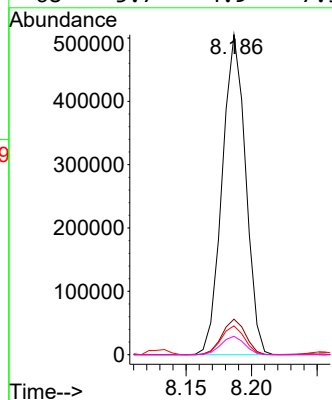
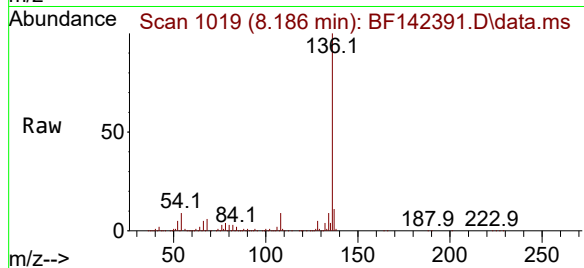
Ion Ratio Lower Upper

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

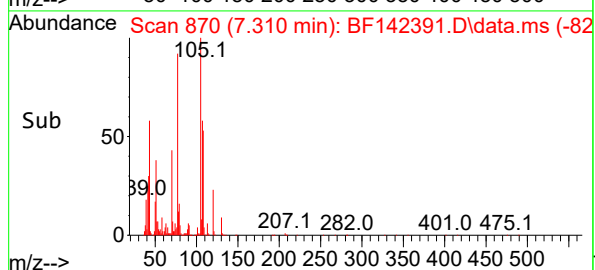
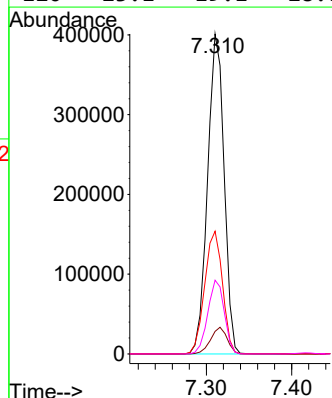
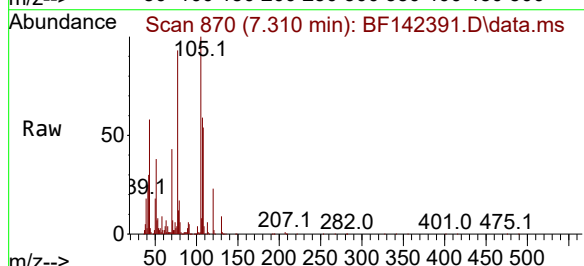
Ion Ratio Lower Upper

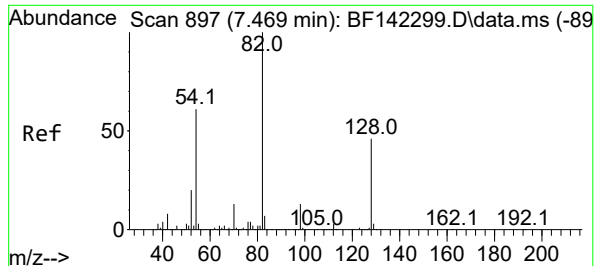
105 100

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# 89

Delta R.T. -0.000 min

Lab File: BF142391.D

Acq: 15 May 2025 13:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

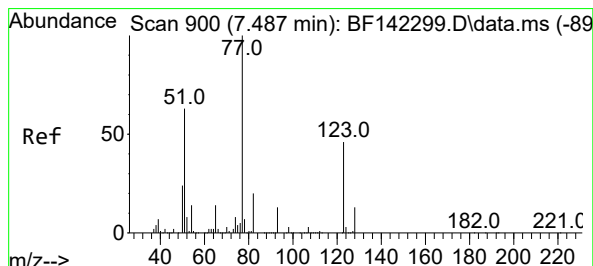
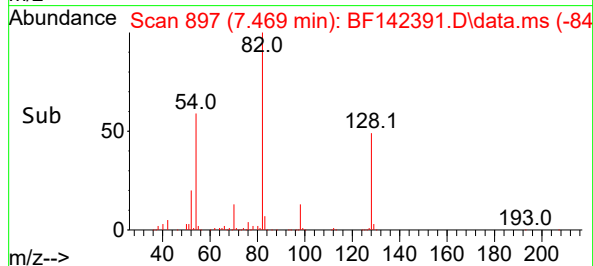
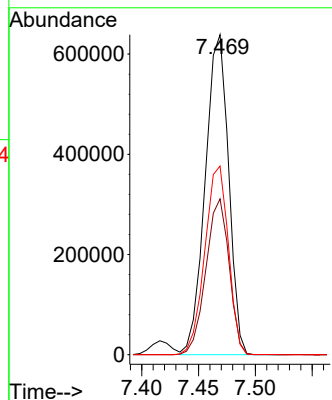
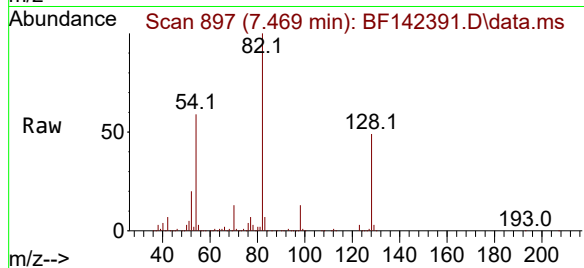
Tgt Ion: 82 Resp: 913864

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

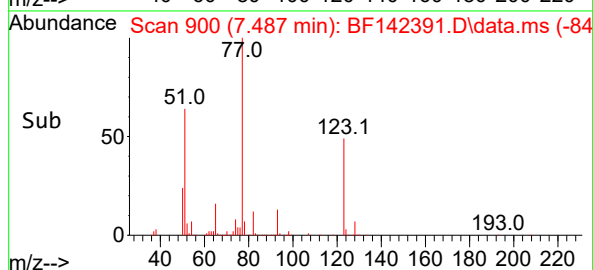
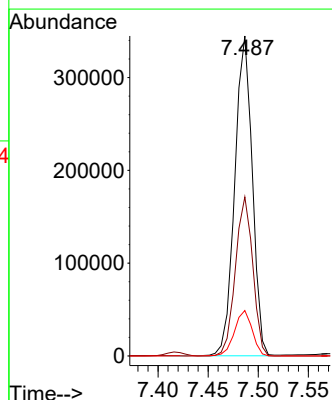
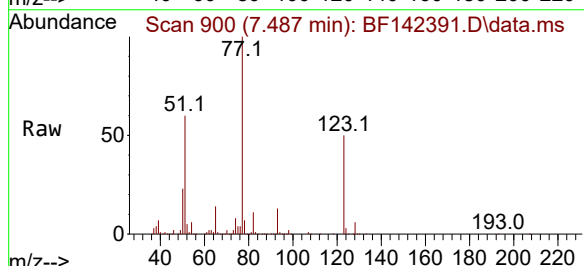
Tgt Ion: 77 Resp: 420414

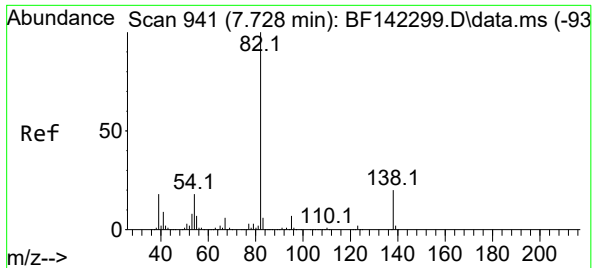
Ion Ratio Lower Upper

77 100

123 49.7 37.8 56.8

65 14.2 11.4 17.0

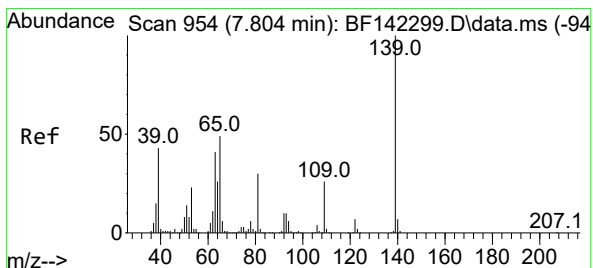
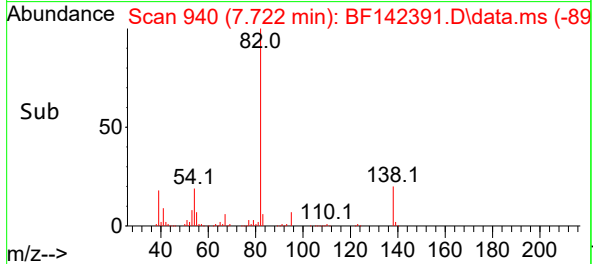
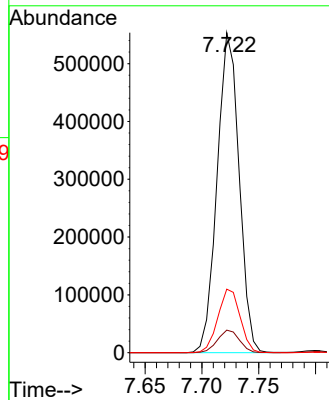
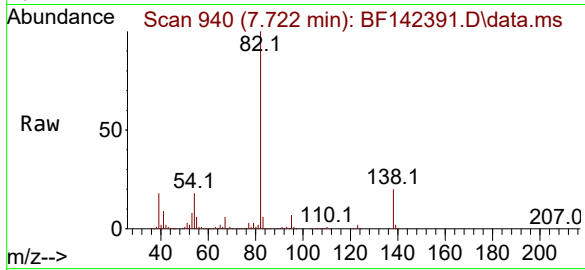




#25
Isophorone
Concen: 38.269 ng
RT: 7.722 min Scan# 941
Delta R.T. -0.006 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

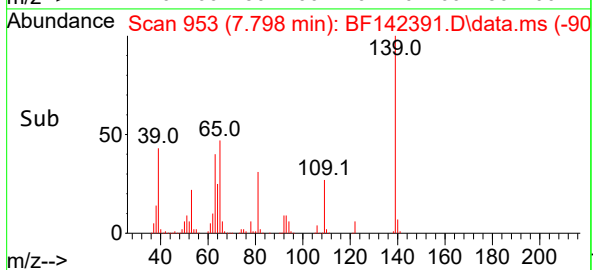
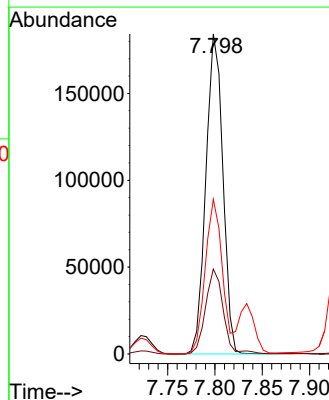
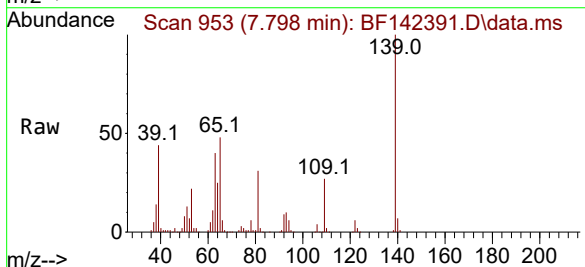
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

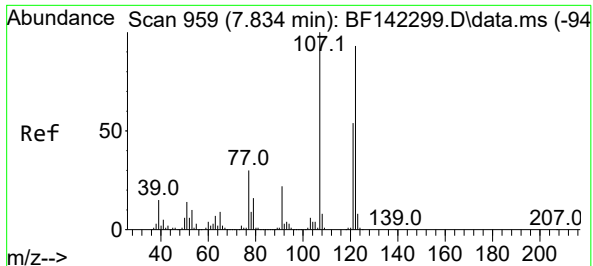
Tgt Ion: 82 Resp: 746092
Ion Ratio Lower Upper
82 100
95 7.1 5.8 8.8
138 19.8 16.1 24.1



#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

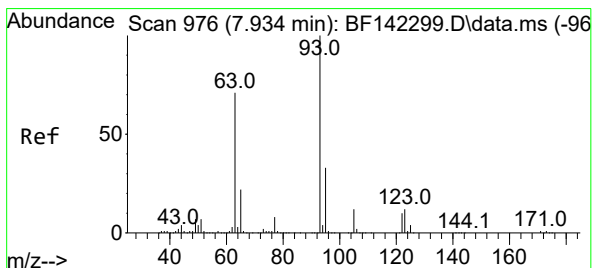
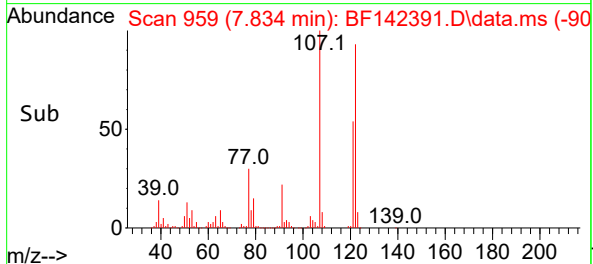
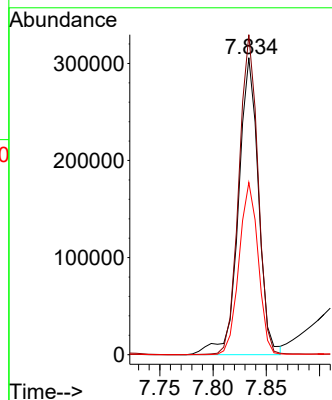
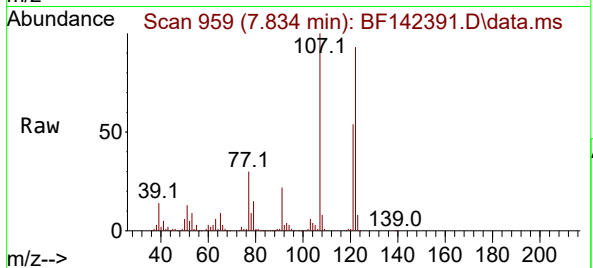




#27
2,4-Dimethylphenol
Concen: 40.934 ng
RT: 7.834 min Scan# 911
Delta R.T. -0.000 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

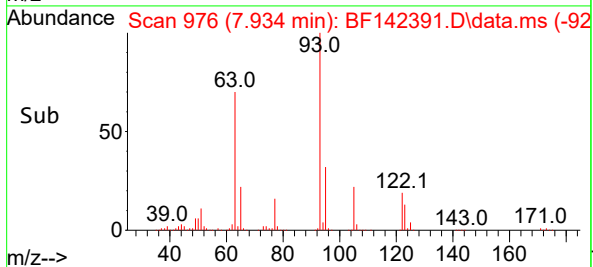
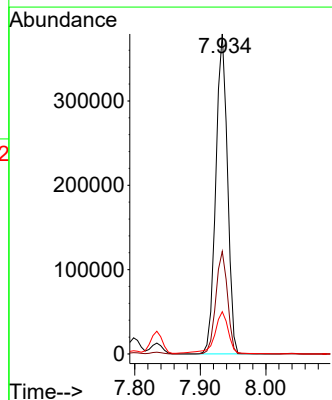
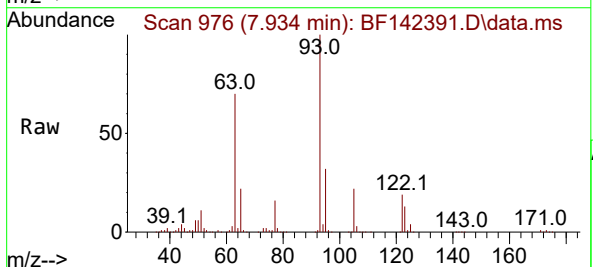
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

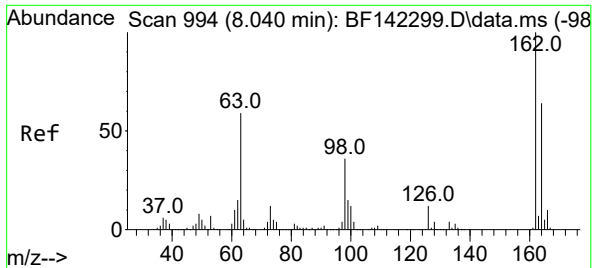
Tgt Ion:122 Resp: 401232
Ion Ratio Lower Upper
122 100
107 107.7 86.0 129.0
121 58.0 46.2 69.4



#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# 994

Delta R.T. -0.000 min

Lab File: BF142391.D

Acq: 15 May 2025 13:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

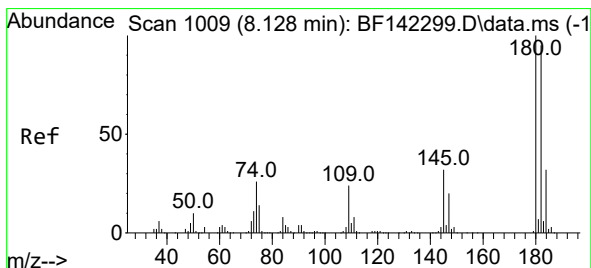
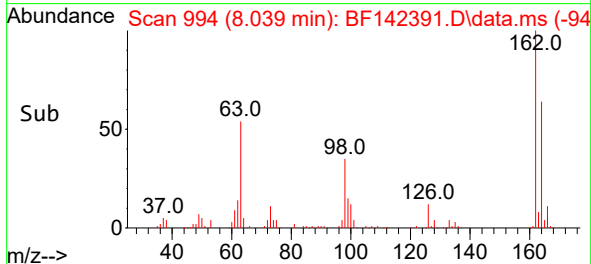
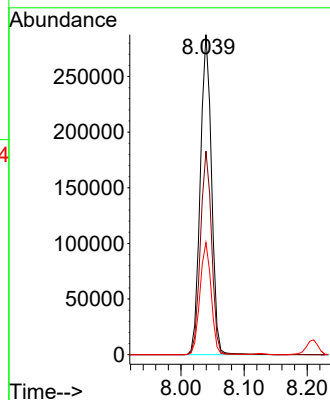
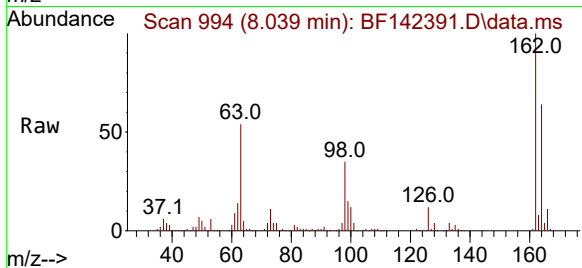
Tgt Ion:162 Resp: 355863

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

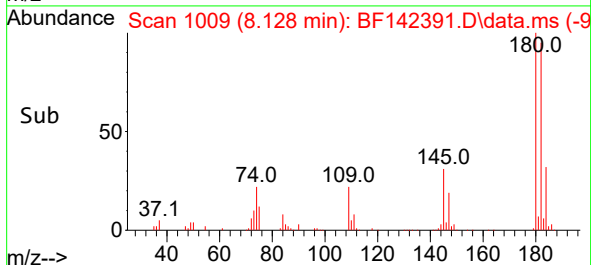
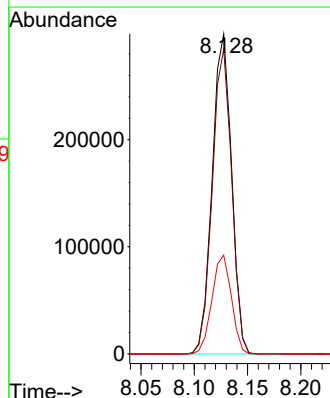
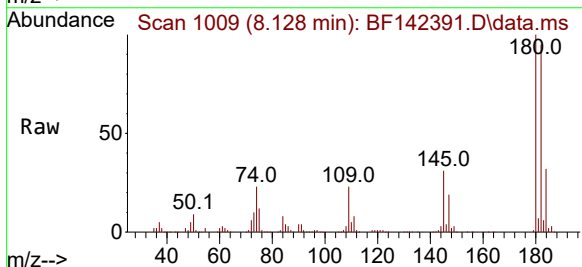
Tgt Ion:180 Resp: 377066

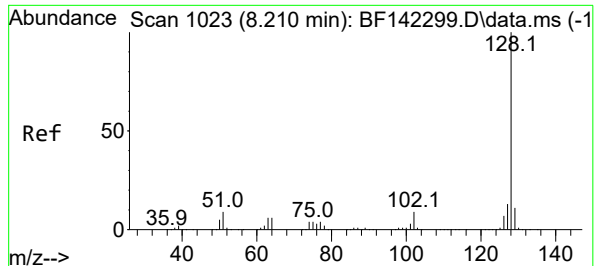
Ion Ratio Lower Upper

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

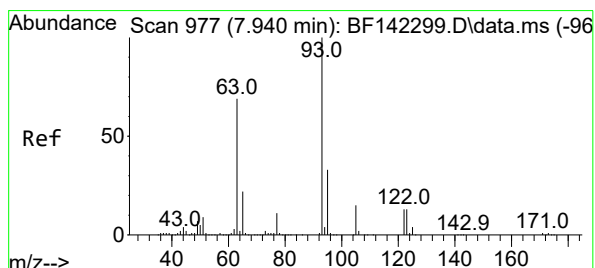
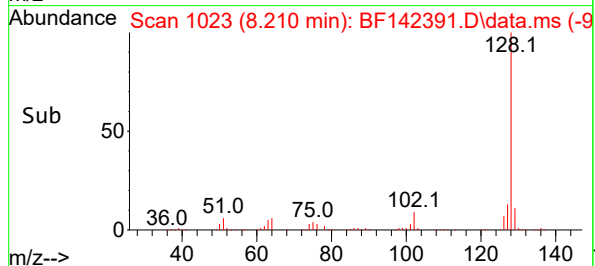
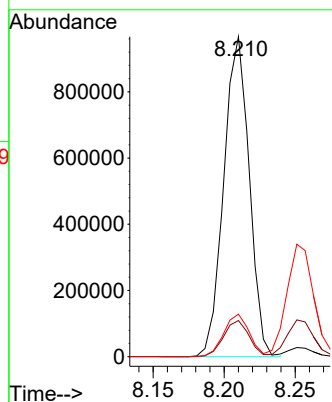
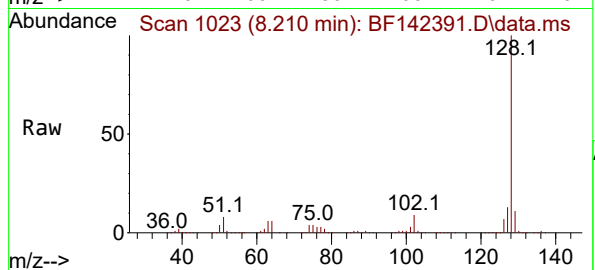
Tgt Ion:128 Resp: 1203630

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

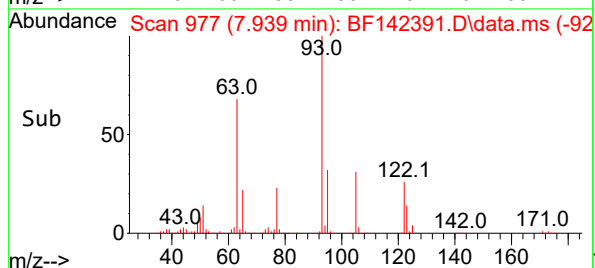
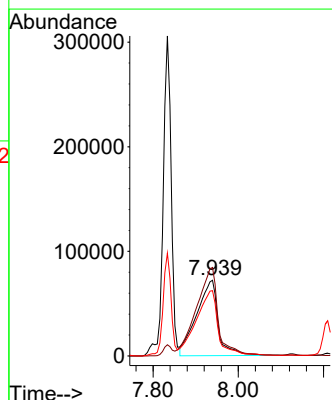
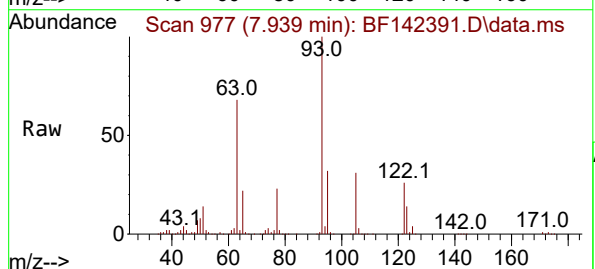
Tgt Ion:122 Resp: 253688

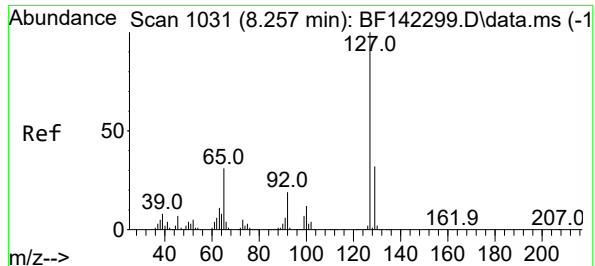
Ion Ratio Lower Upper

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# 1030

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

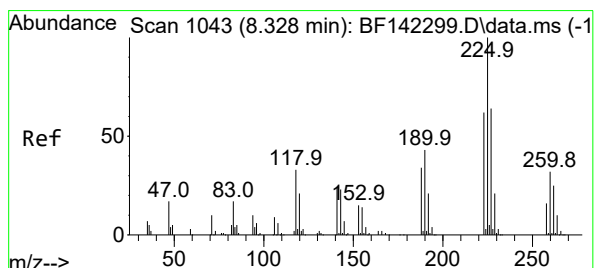
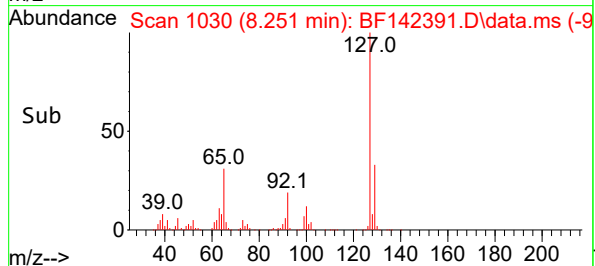
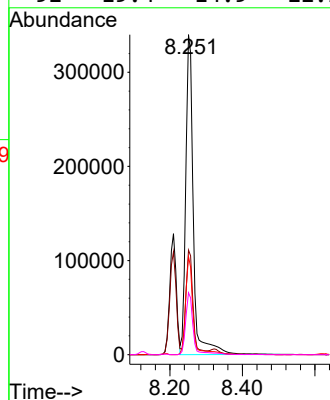
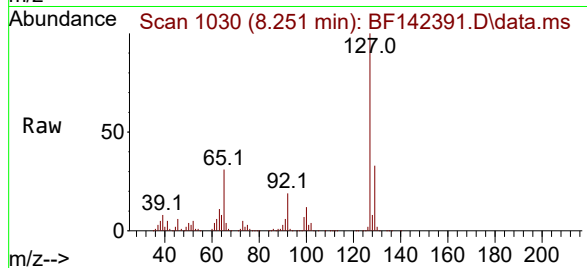
Ion Ratio Lower Upper

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

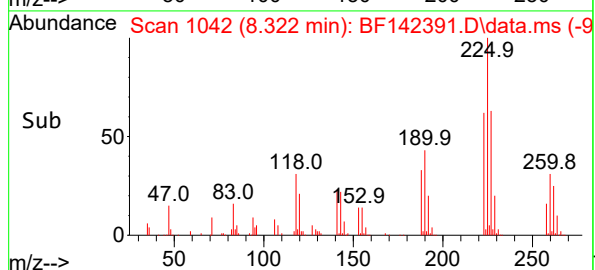
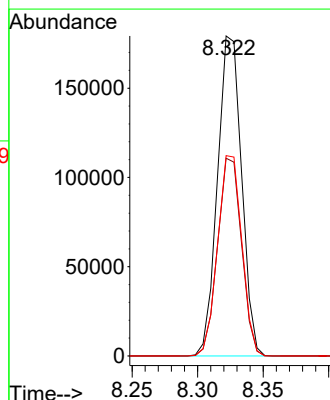
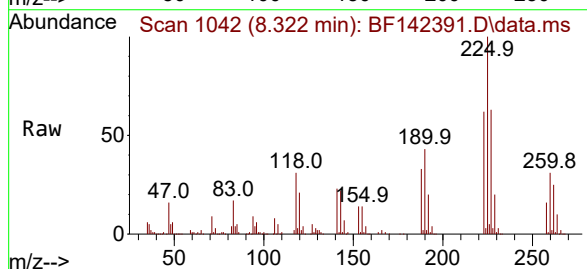
Tgt Ion:225 Resp: 228906

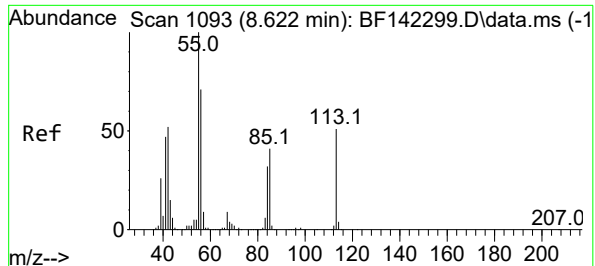
Ion Ratio Lower Upper

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# 1093

Delta R.T. -0.000 min

Lab File: BF142391.D

Acq: 15 May 2025 13:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

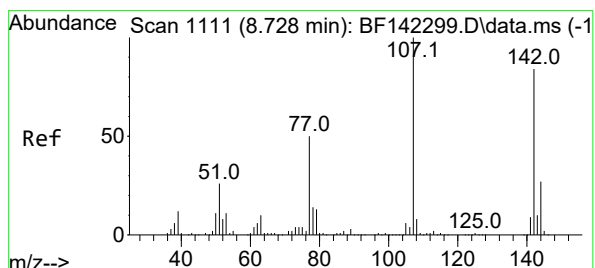
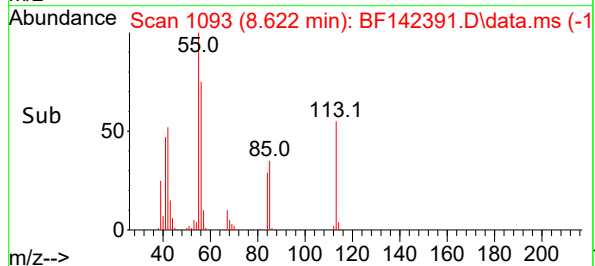
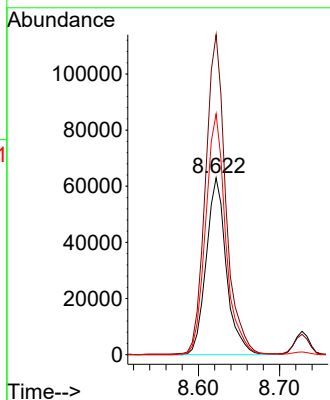
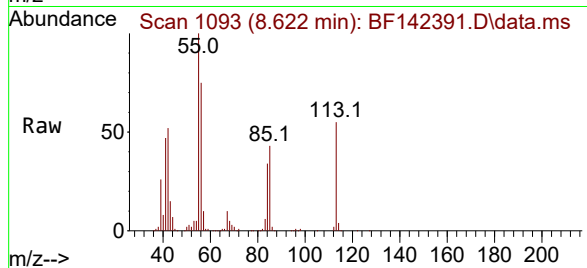
Tgt Ion:113 Resp: 108318

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

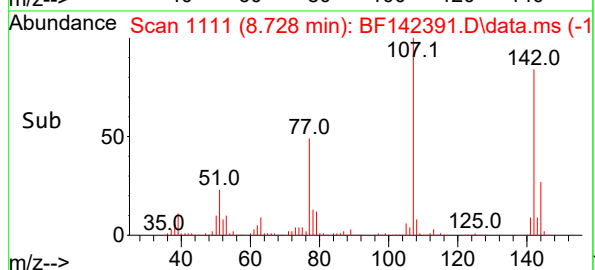
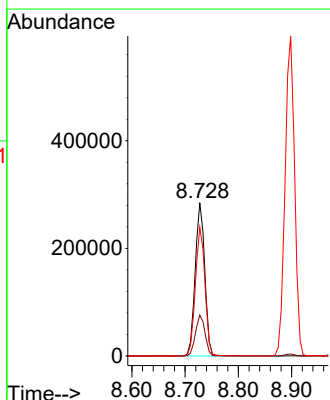
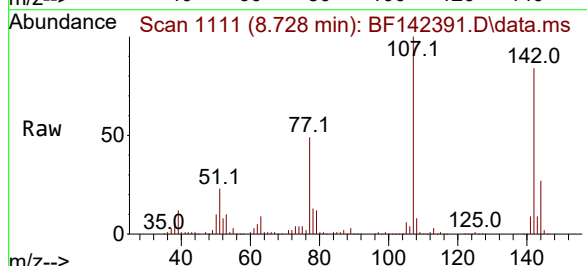
Tgt Ion:107 Resp: 354797

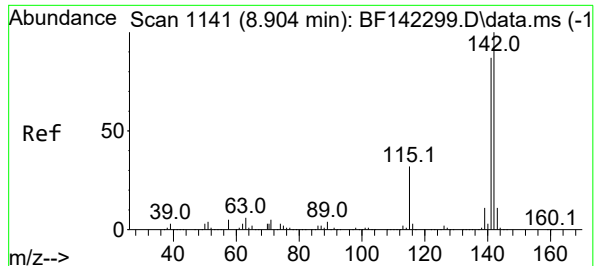
Ion Ratio Lower Upper

107 100

144 26.6 21.3 31.9

142 83.9 66.9 100.3

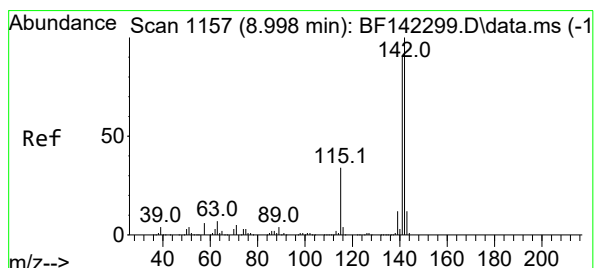
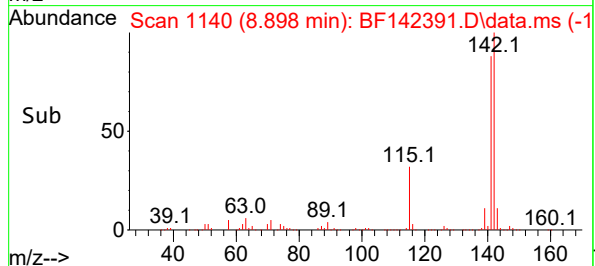
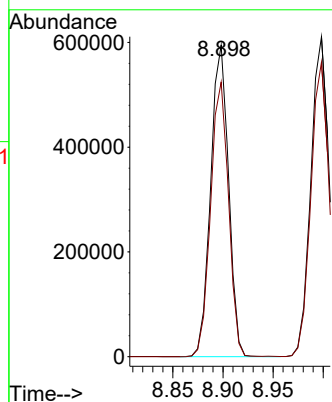
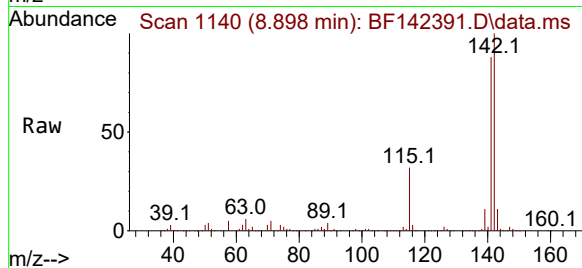




#37
2-Methylnaphthalene
Concen: 39.084 ng
RT: 8.898 min Scan# 1141
Delta R.T. -0.006 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

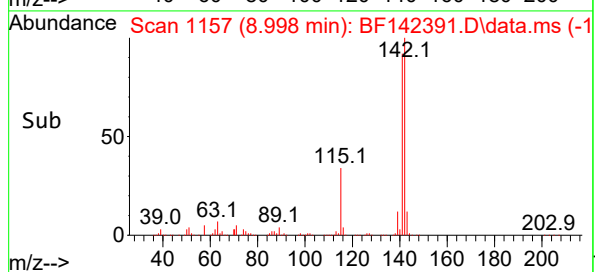
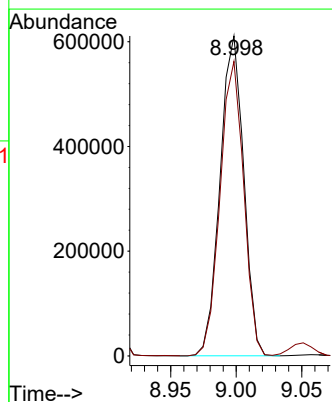
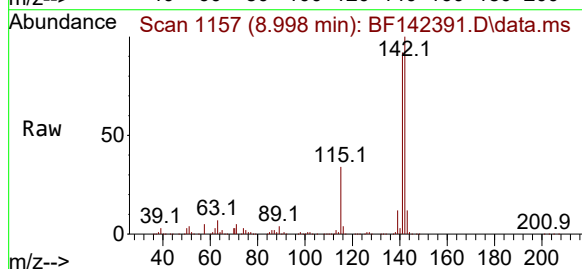
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

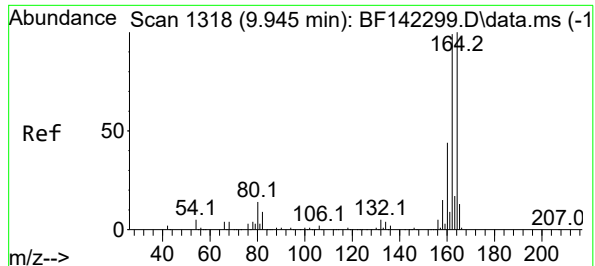
Tgt Ion:142 Resp: 739060
Ion Ratio Lower Upper
142 100
141 88.2 69.4 104.2



#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# 11

Delta R.T. -0.006 min

Lab File: BF142391.D

Acq: 15 May 2025 13:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

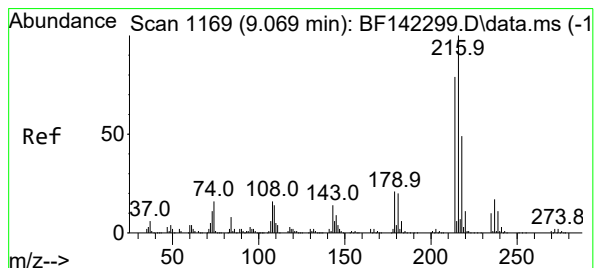
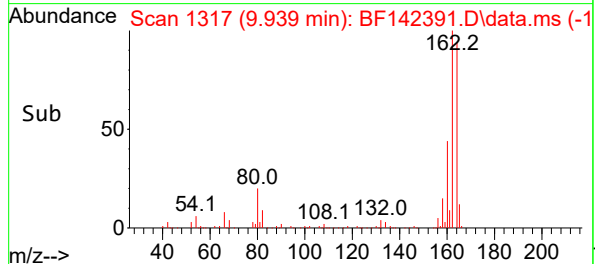
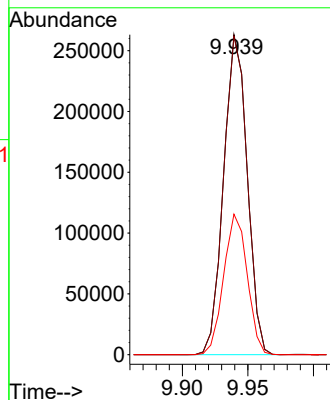
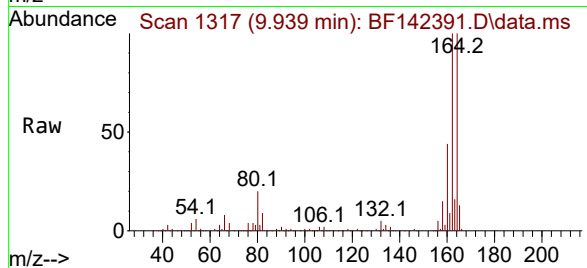
Tgt Ion:164 Resp: 329169

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

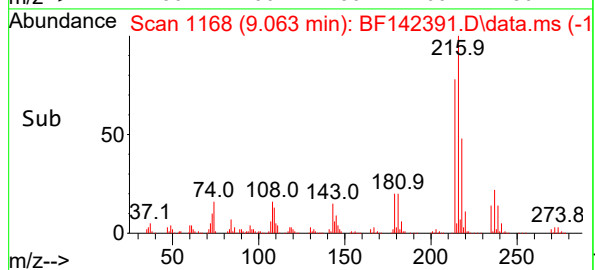
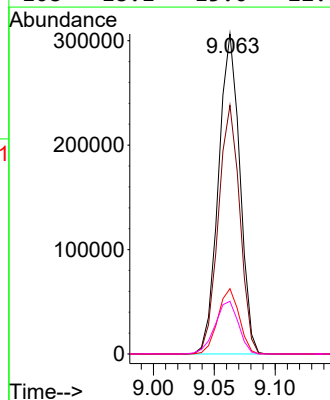
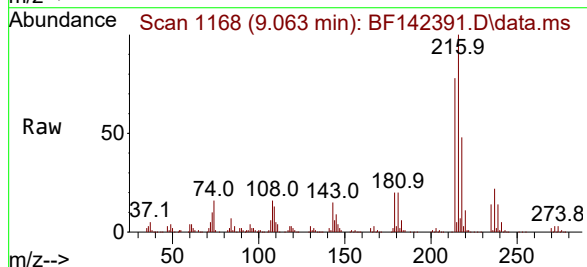
Ion Ratio Lower Upper

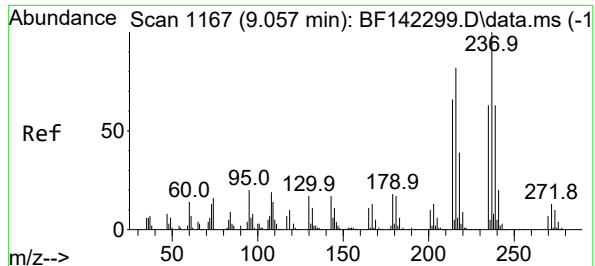
216 100

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# 1166

Delta R.T. -0.006 min

Lab File: BF142391.D

Acq: 15 May 2025 13:58

Instrument :

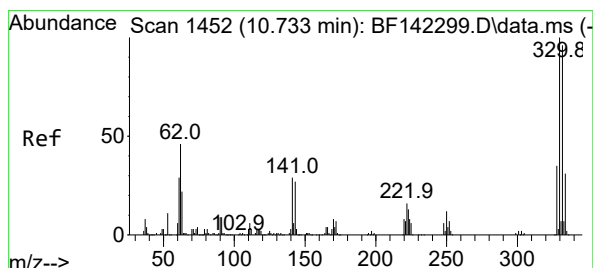
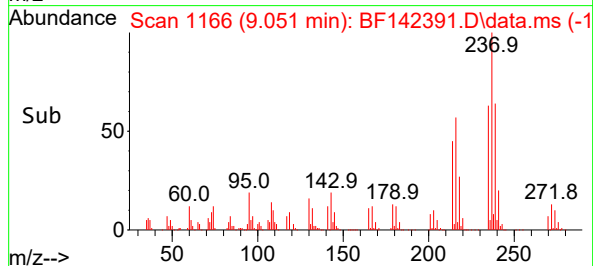
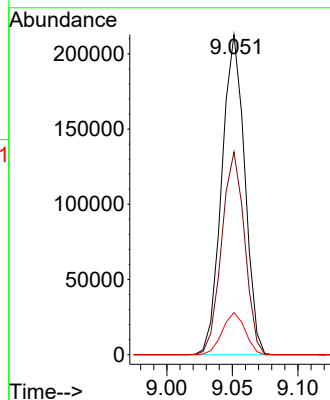
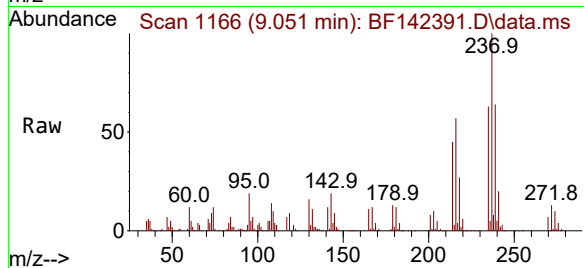
BNA_F

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

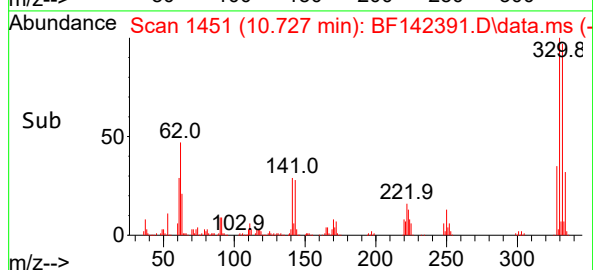
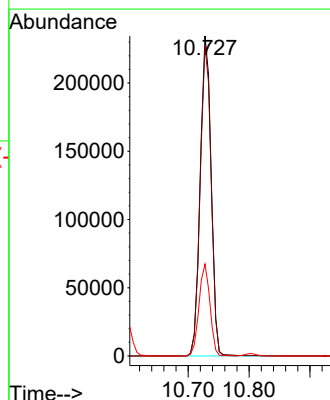
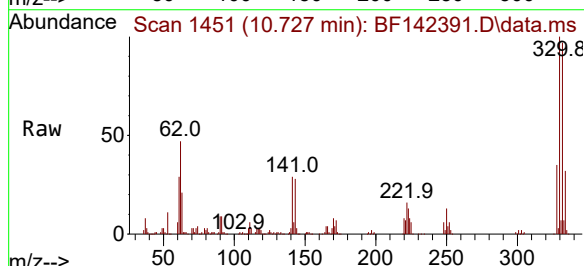
Delta R.T. -0.006 min

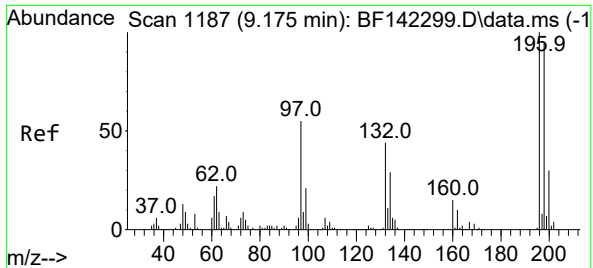
Lab File: BF142391.D

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# 1186

Delta R.T. -0.006 min

Lab File: BF142391.D

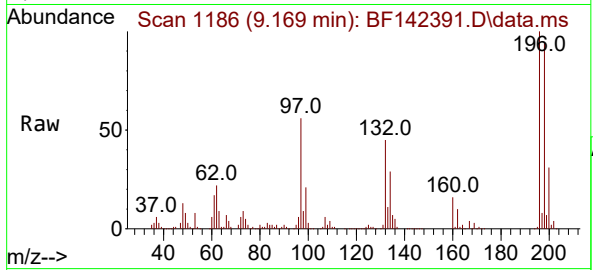
Acq: 15 May 2025 13:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC



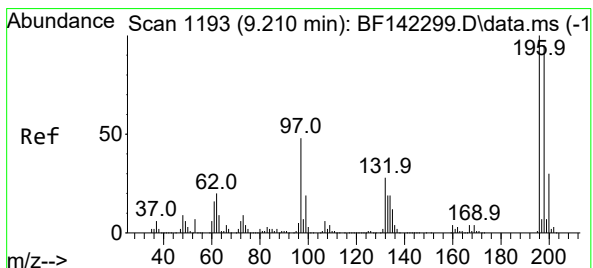
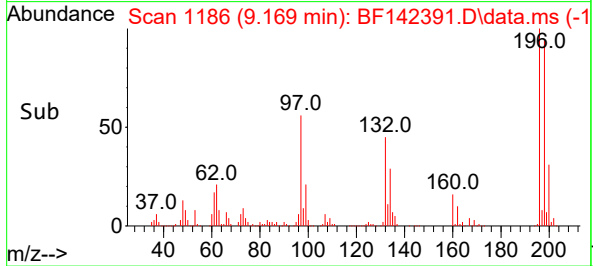
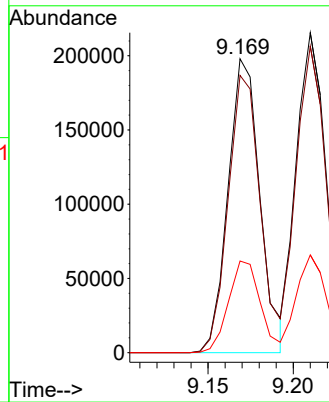
Tgt Ion:196 Resp: 257221

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

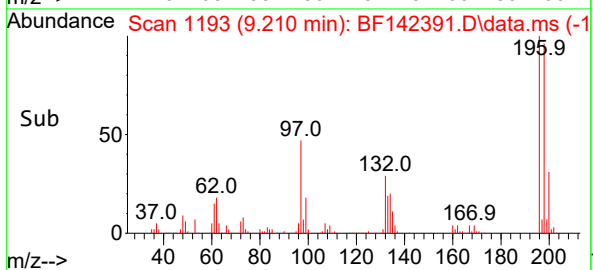
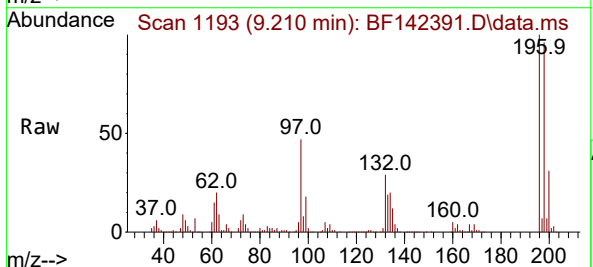
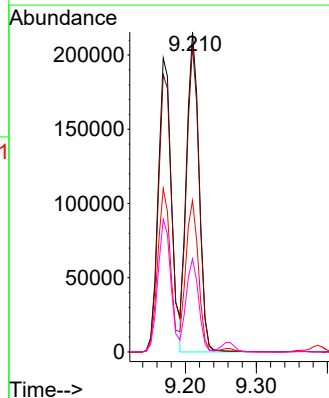
Ion Ratio Lower Upper

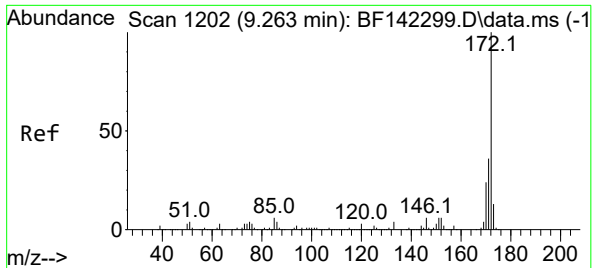
196 100

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# 1202

Delta R.T. -0.000 min

Lab File: BF142391.D

Acq: 15 May 2025 13:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

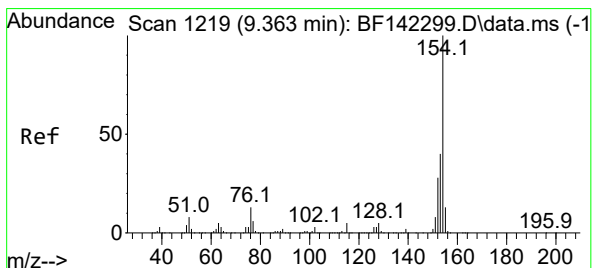
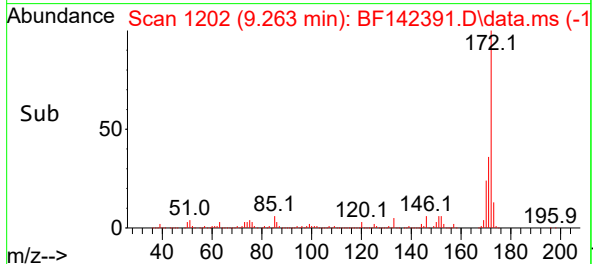
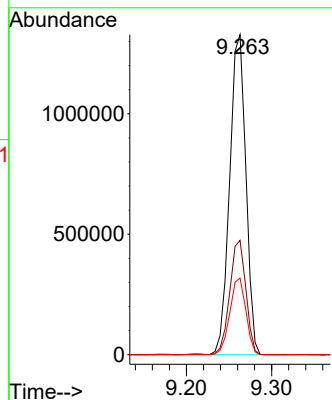
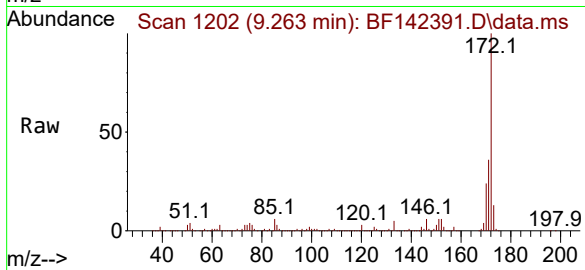
Tgt Ion:172 Resp: 1759664

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

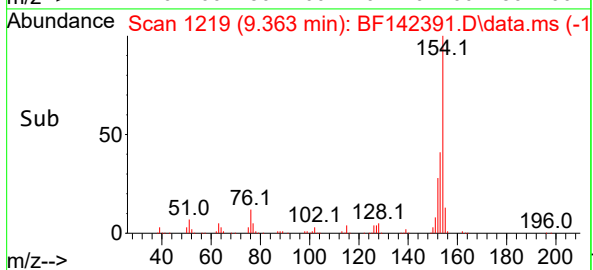
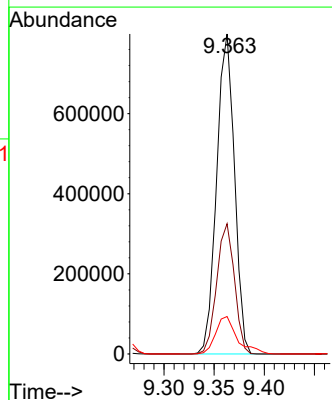
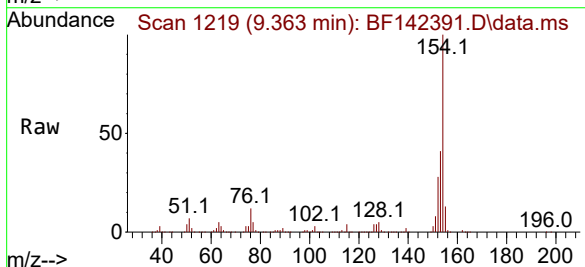
Tgt Ion:154 Resp: 982857

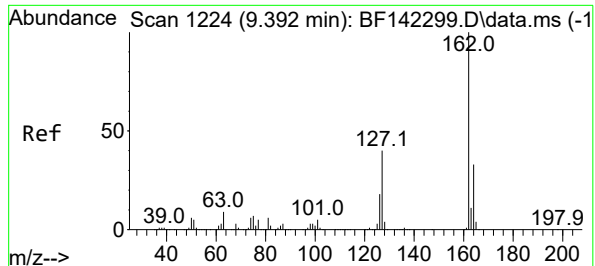
Ion Ratio Lower Upper

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# 1223

Delta R.T. -0.006 min

Lab File: BF142391.D

Acq: 15 May 2025 13:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

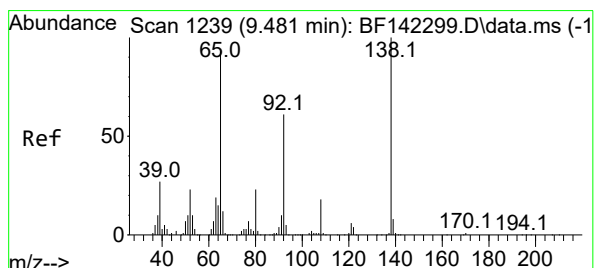
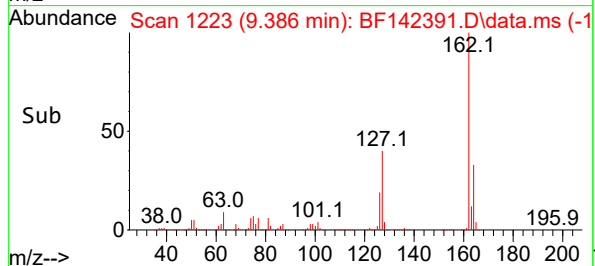
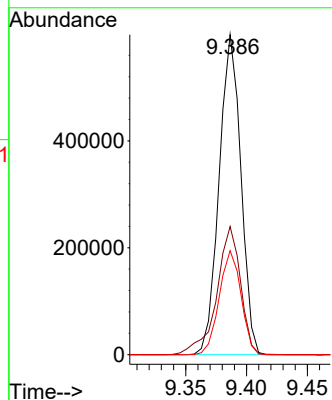
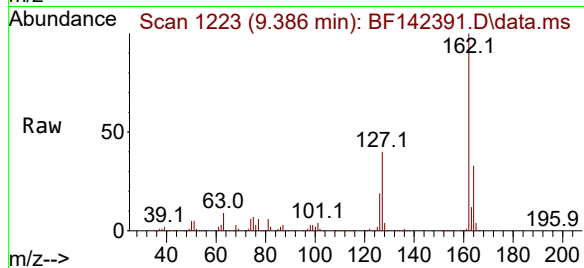
Tgt Ion:162 Resp: 743800

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

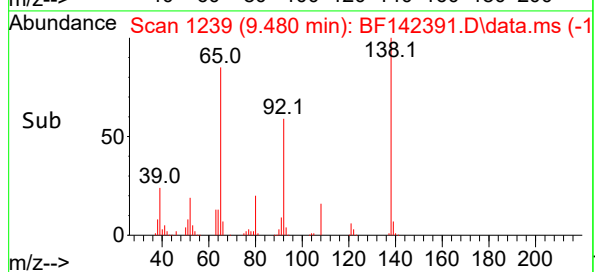
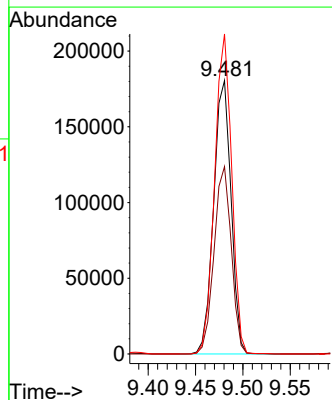
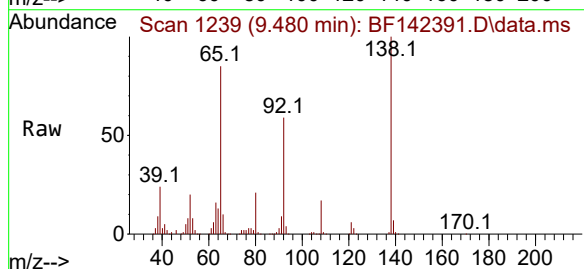
Tgt Ion: 65 Resp: 231469

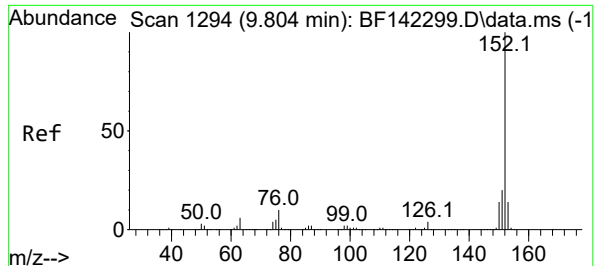
Ion Ratio Lower Upper

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# 1294

Delta R.T. -0.000 min

Lab File: BF142391.D

Acq: 15 May 2025 13:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

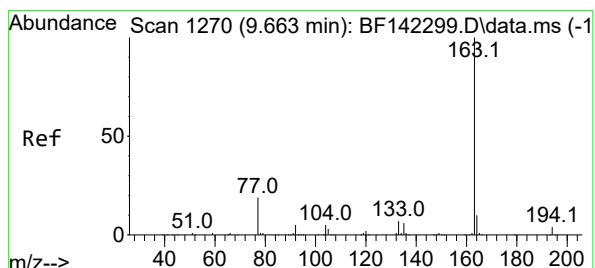
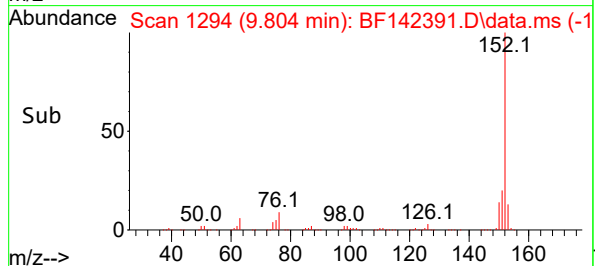
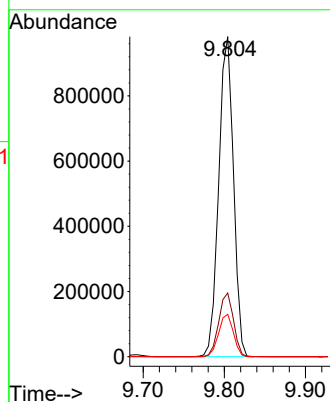
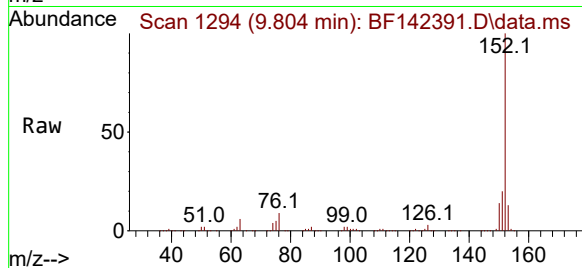
Tgt Ion:152 Resp: 1240865

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

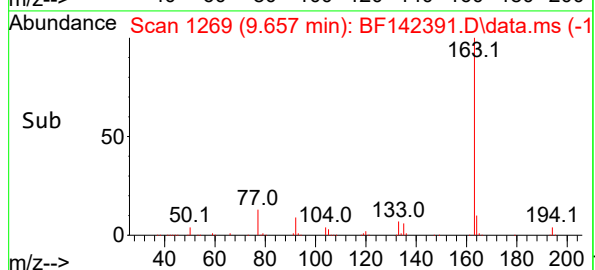
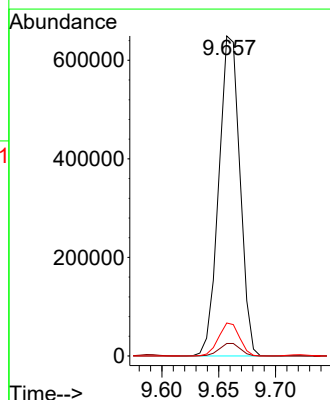
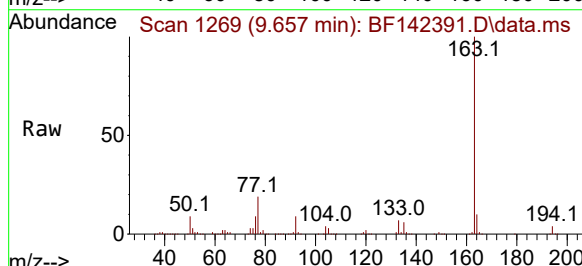
Tgt Ion:163 Resp: 840785

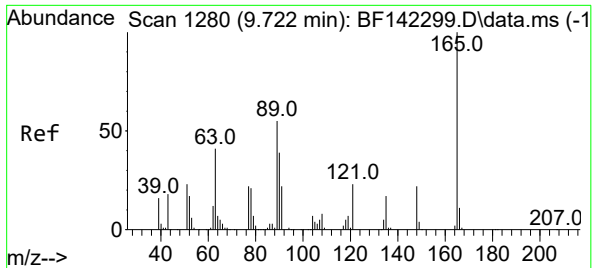
Ion Ratio Lower Upper

163 100

194 3.9 3.2 4.8

164 10.3 8.3 12.5

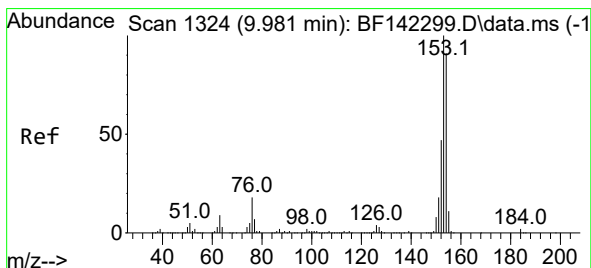
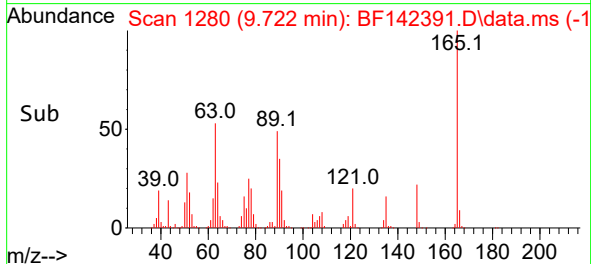
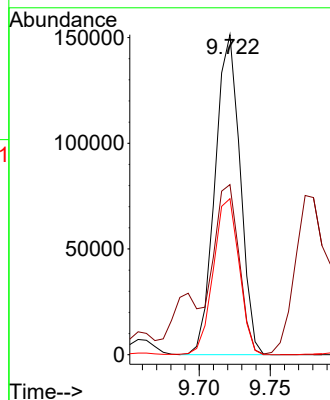
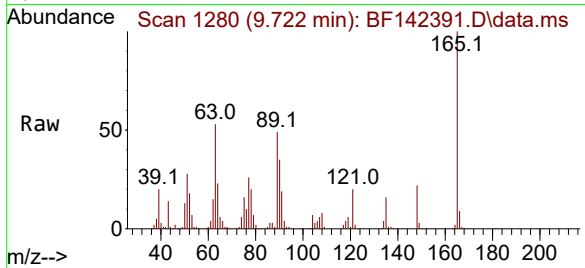




#51
2,6-Dinitrotoluene
Concen: 47.019 ng
RT: 9.722 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

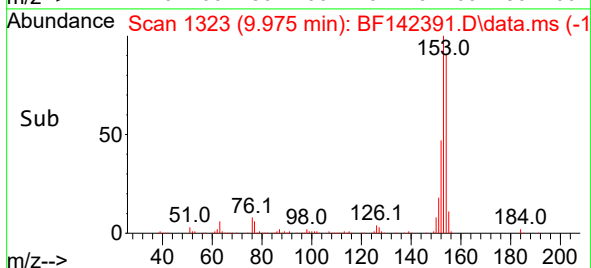
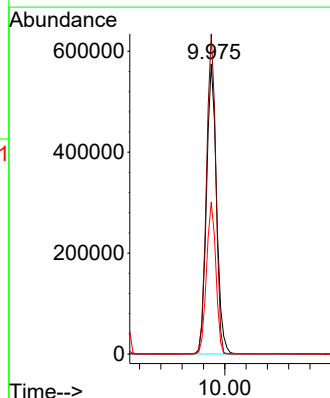
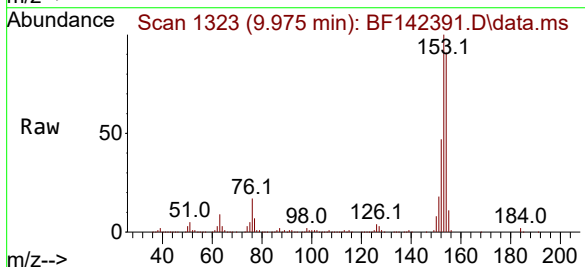
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

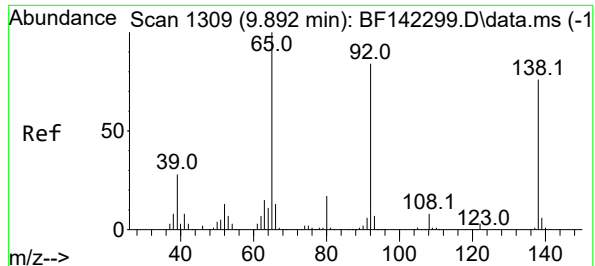
Tgt Ion:165 Resp: 186028
Ion Ratio Lower Upper
165 100
63 53.1 49.5 74.3
89 48.8 44.6 66.8



#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# 11

Delta R.T. -0.000 min

Lab File: BF142391.D

Acq: 15 May 2025 13:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

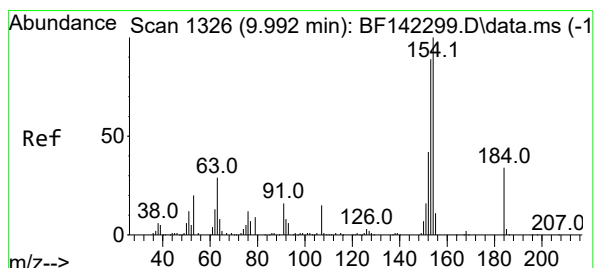
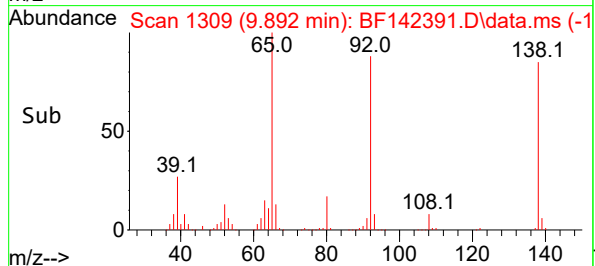
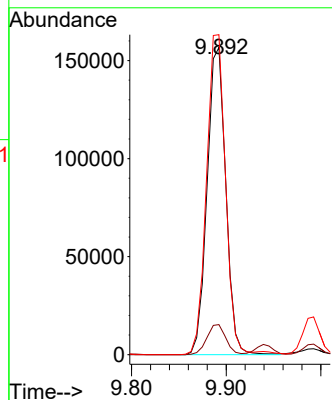
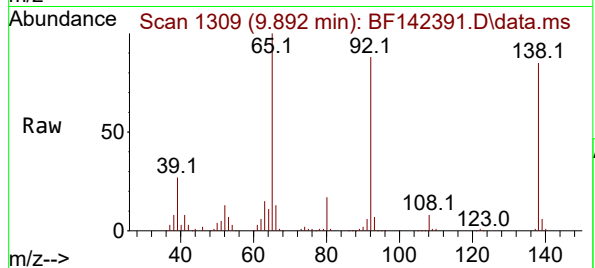
Tgt Ion:138 Resp: 214345

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

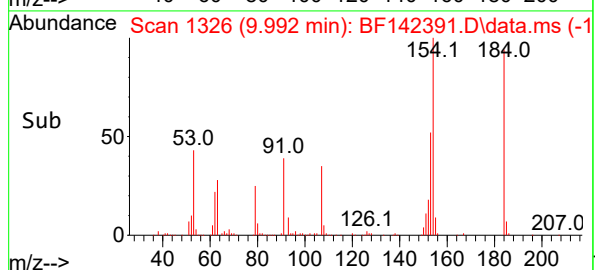
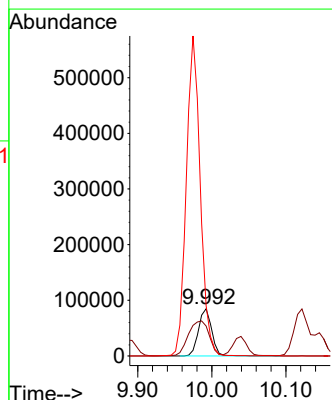
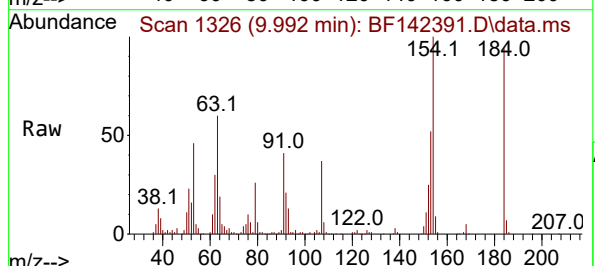
Tgt Ion:184 Resp: 104835

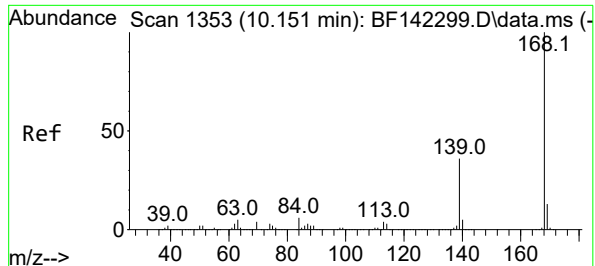
Ion Ratio Lower Upper

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# 11

Delta R.T. -0.006 min

Lab File: BF142391.D

Acq: 15 May 2025 13:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

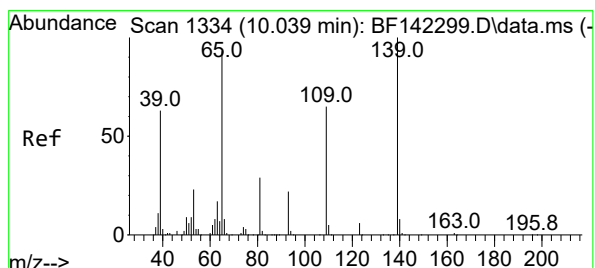
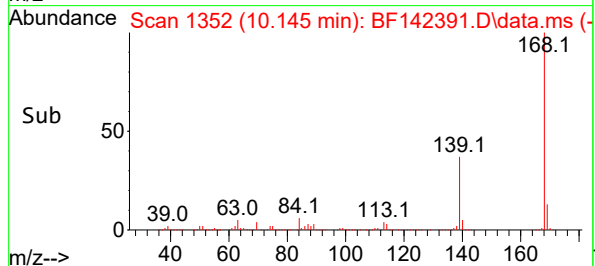
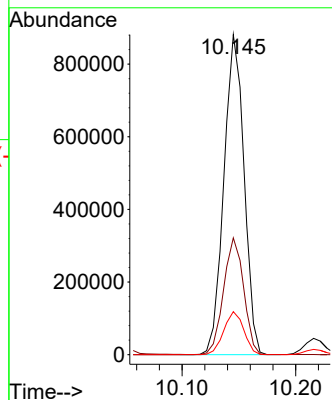
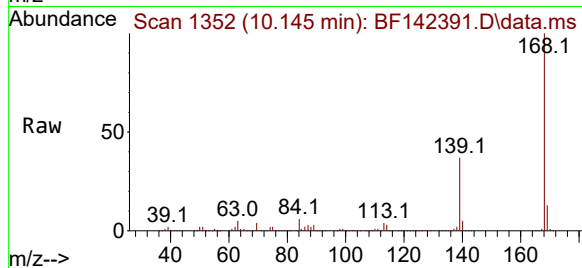
Tgt Ion:168 Resp: 1087881

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

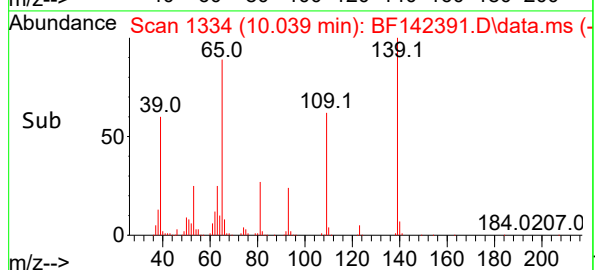
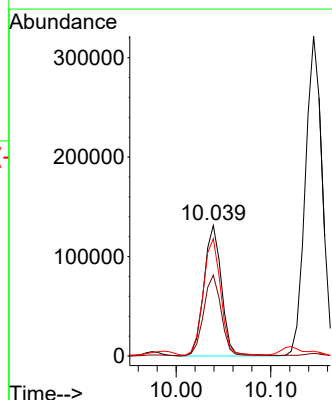
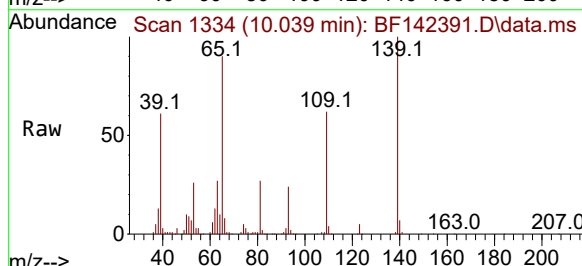
Tgt Ion:139 Resp: 170308

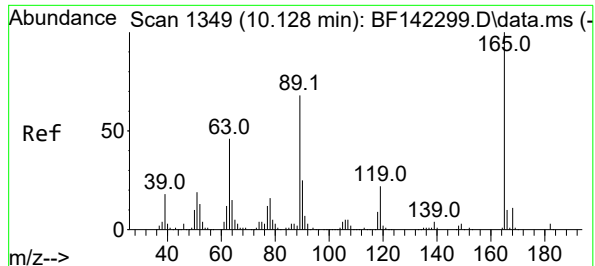
Ion Ratio Lower Upper

139 100

109 62.0 45.3 85.3

65 89.7 73.9 113.9

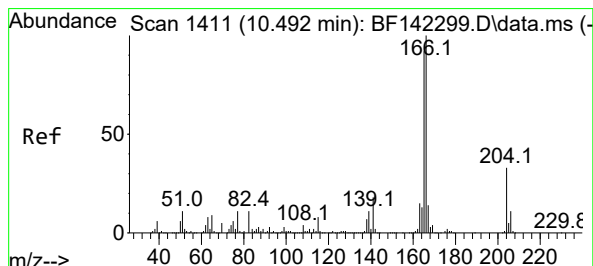
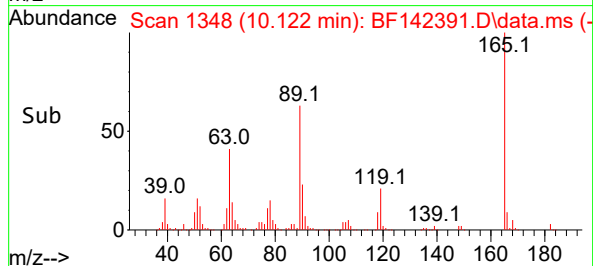
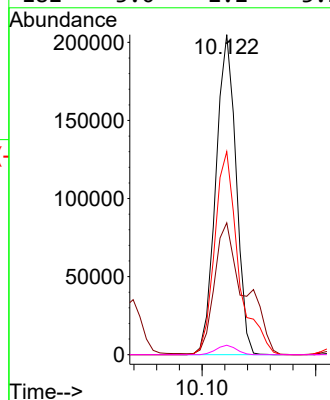
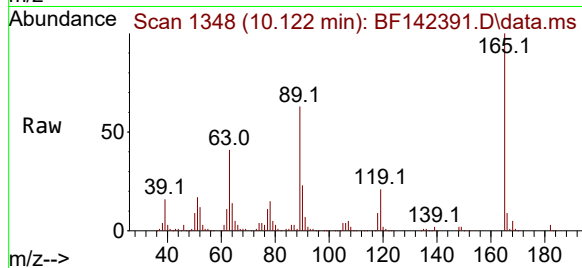




#57
2,4-Dinitrotoluene
Concen: 49.962 ng
RT: 10.122 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

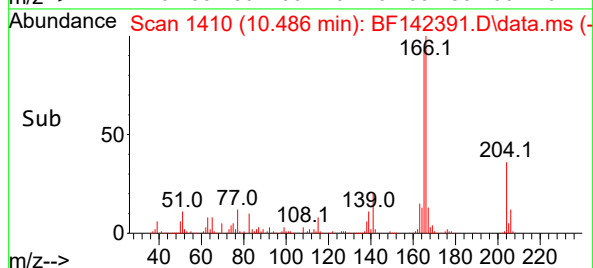
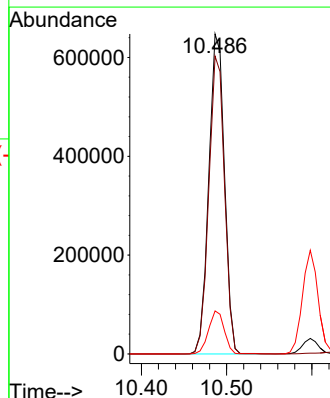
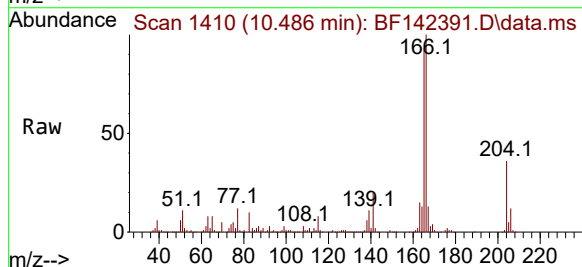
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

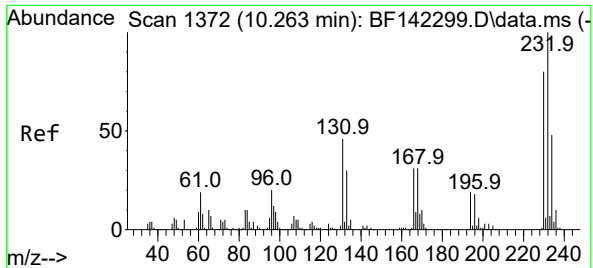
Tgt Ion:165 Resp: 253558
Ion Ratio Lower Upper
165 100
63 41.2 37.1 55.7
89 63.5 54.4 81.6
182 3.0 2.2 3.2



#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

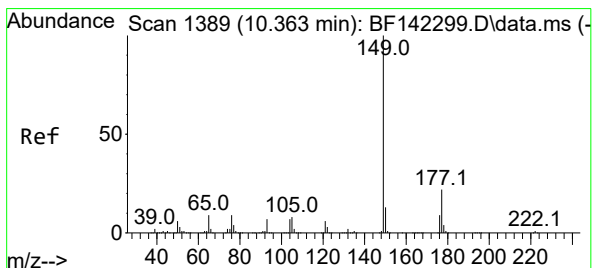
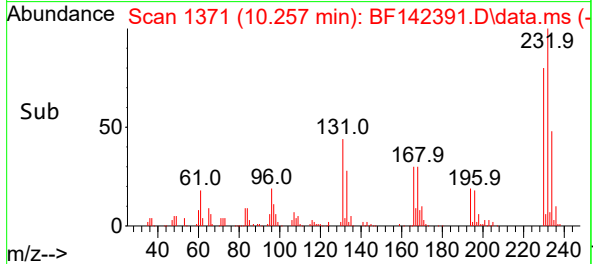
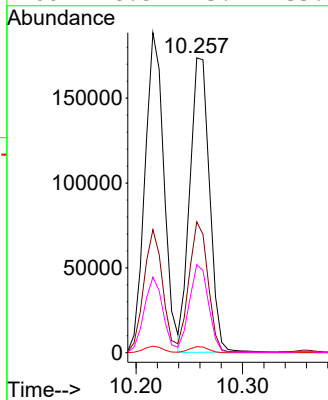
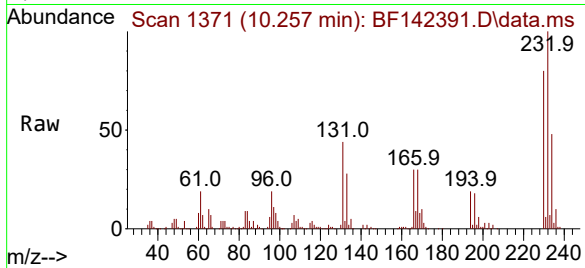




#59
2,3,4,6-Tetrachlorophenol
Concen: 43.865 ng
RT: 10.257 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

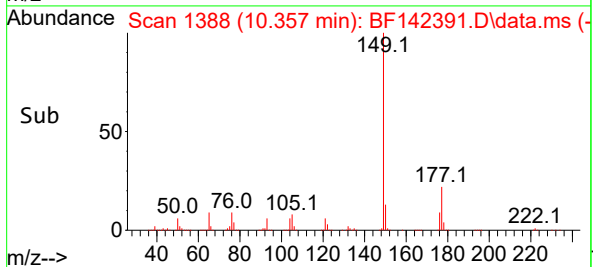
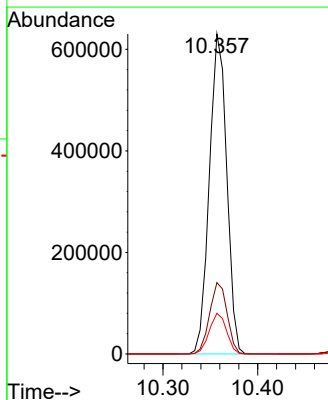
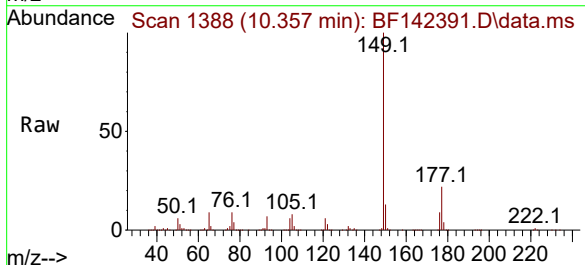
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

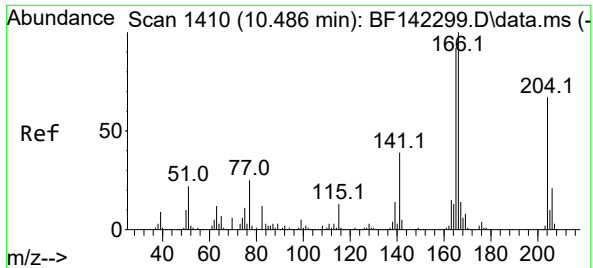
Tgt Ion:232 Resp: 223425
Ion Ratio Lower Upper
232 100
131 42.6 36.0 54.0
130 2.0 1.8 2.6
166 28.8 23.4 35.2



#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

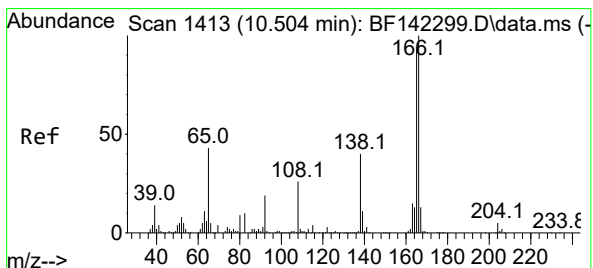
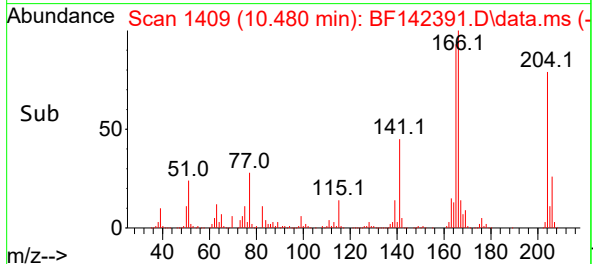
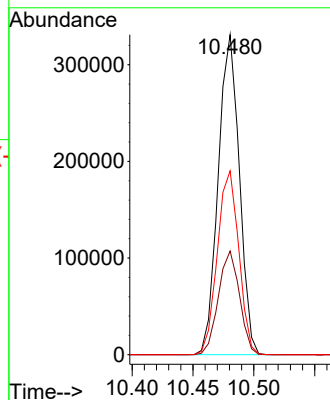
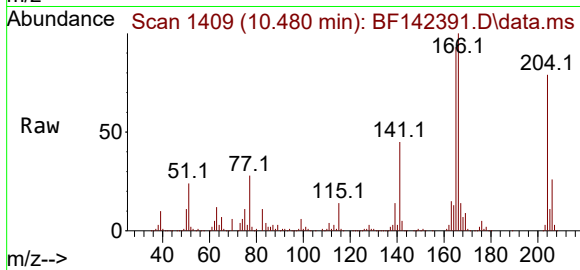




#61
4-Chlorophenyl-phenylether
Concen: 38.998 ng
RT: 10.480 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

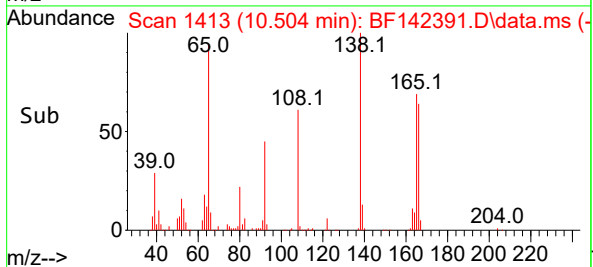
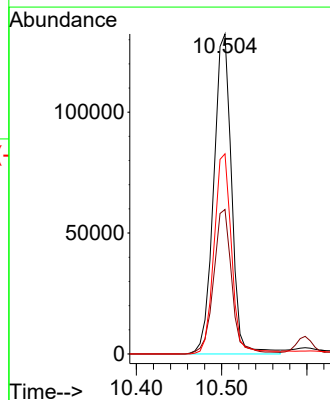
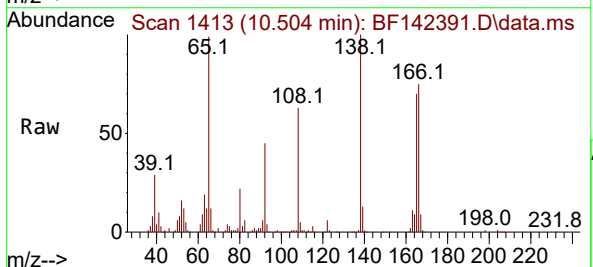
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

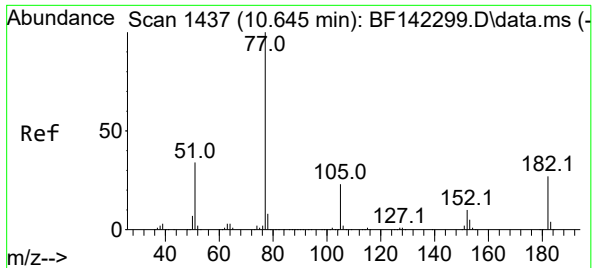
Tgt Ion:204 Resp: 400075
Ion Ratio Lower Upper
204 100
206 32.4 25.5 38.3
141 57.5 46.4 69.6



#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

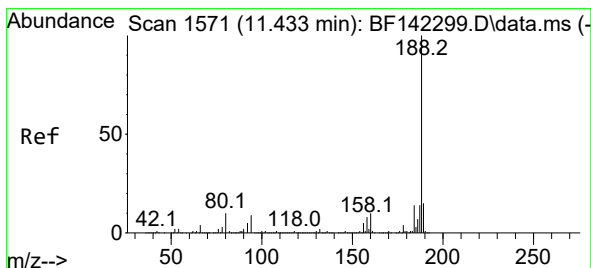
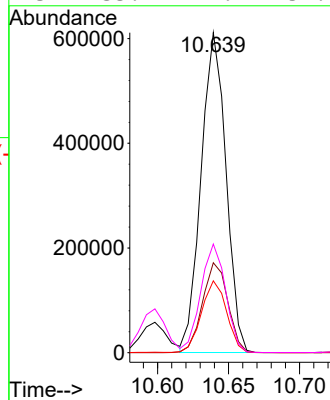
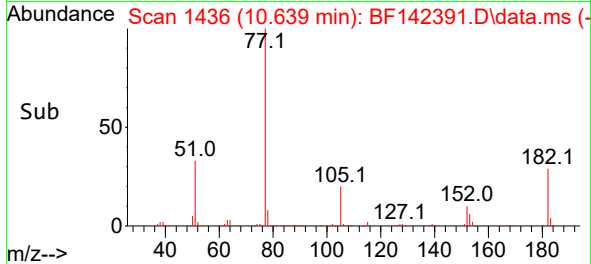
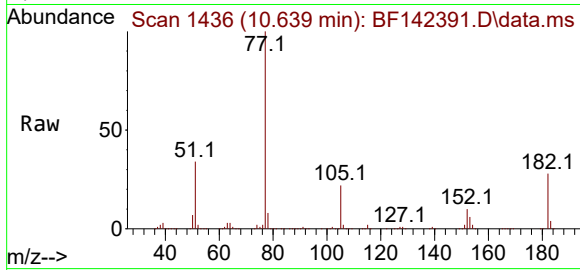




#63
Azobenzene
Concen: 36.980 ng
RT: 10.639 min Scan# 1436
Delta R.T. -0.006 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

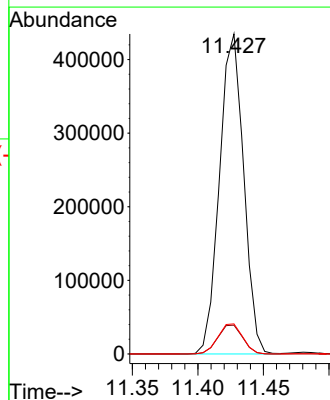
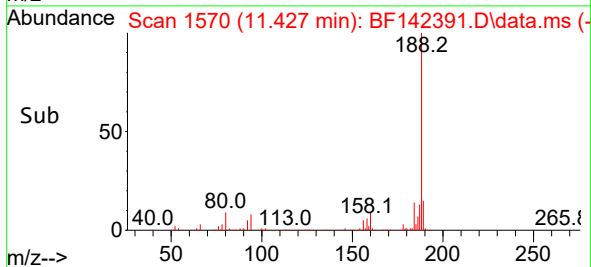
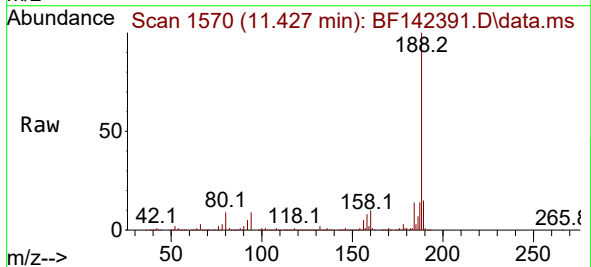
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

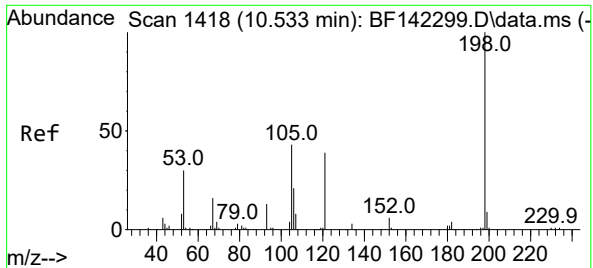
Tgt Ion: 77 Resp: 745907
Ion Ratio Lower Upper
77 100
182 28.1 6.9 46.9
105 22.5 2.7 42.7
51 33.9 14.7 54.7



#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

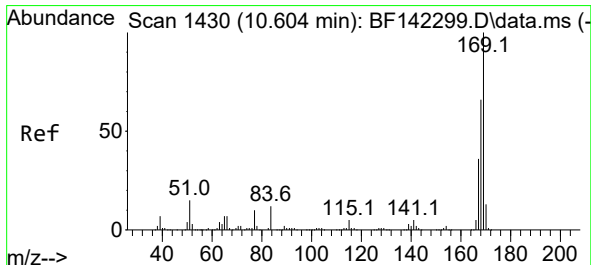
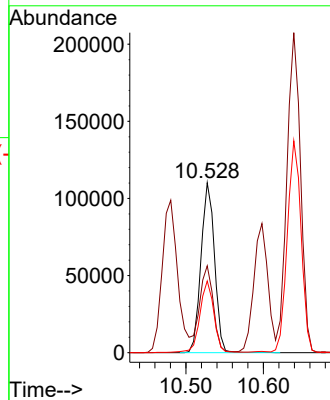
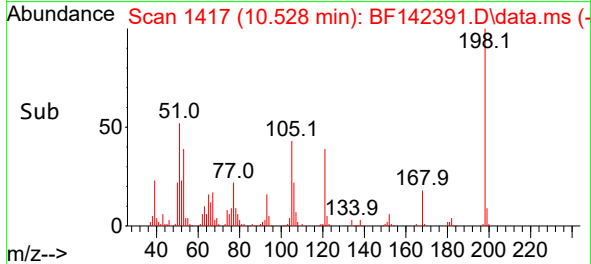
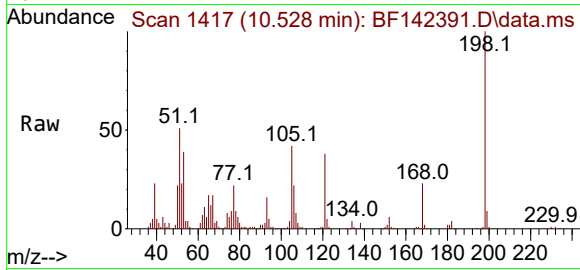




#65
4,6-Dinitro-2-methylphenol
Concen: 50.973 ng
RT: 10.528 min Scan# 1418
Delta R.T. -0.005 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

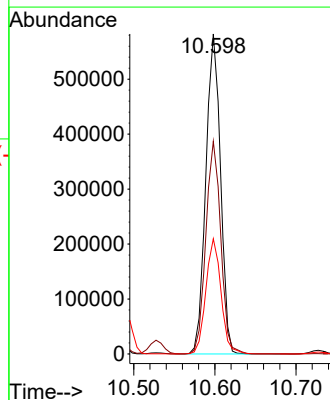
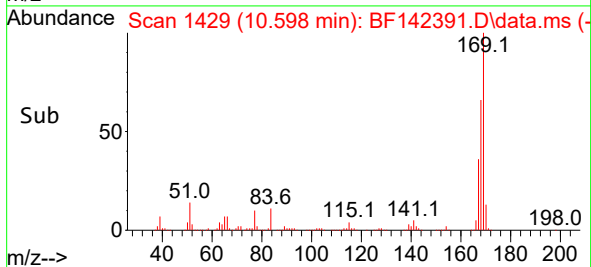
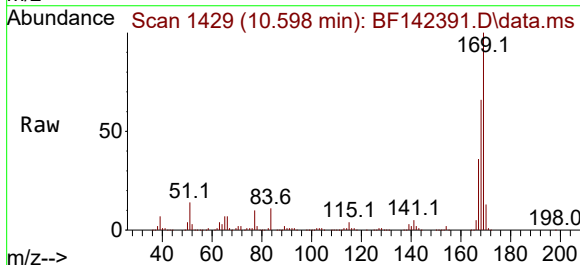
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

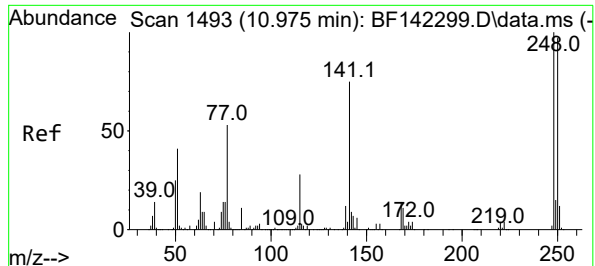
Tgt Ion:198 Resp: 133682
Ion Ratio Lower Upper
198 100
51 51.1 32.9 72.9
105 42.2 23.7 63.7



#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

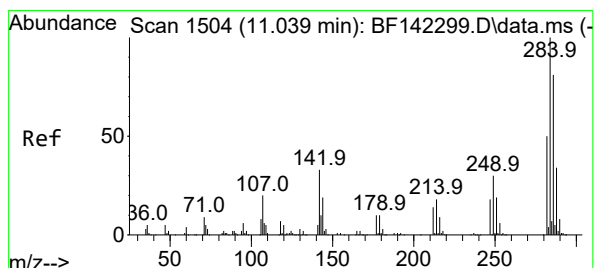
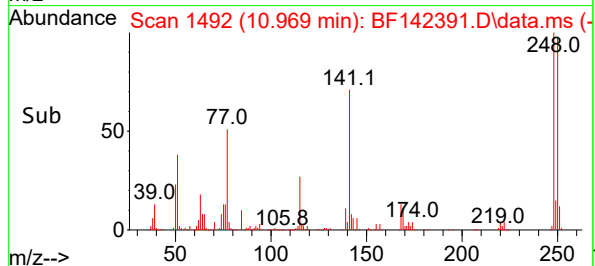
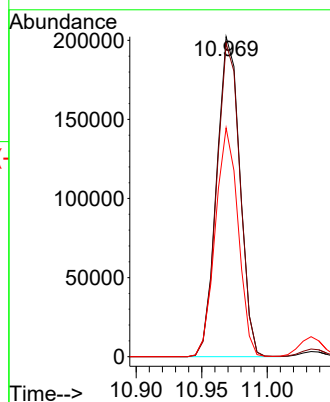
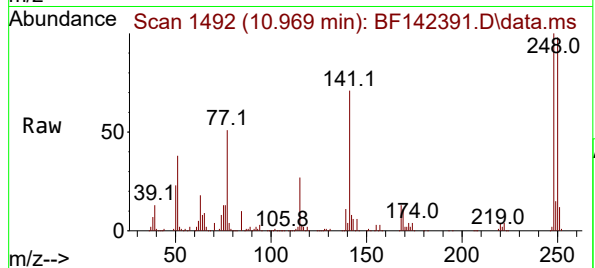




#67
4-Bromophenyl-phenylether
Concen: 39.524 ng
RT: 10.969 min Scan# 1492
Delta R.T. -0.006 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

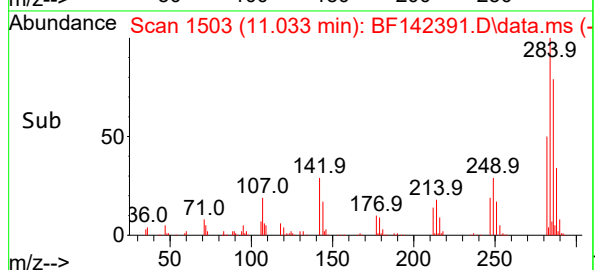
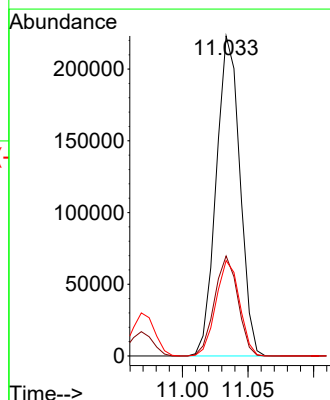
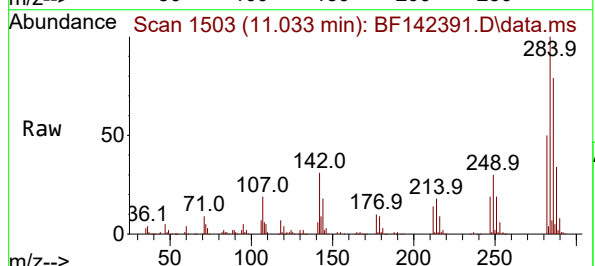
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

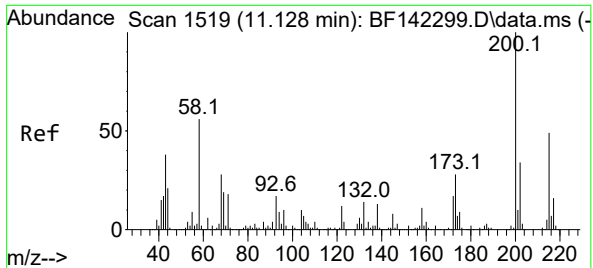
Tgt Ion:248 Resp: 249452
Ion Ratio Lower Upper
248 100
250 97.9 77.9 116.9
141 71.5 59.8 89.8



#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# 1518

Delta R.T. -0.006 min

Lab File: BF142391.D

Acq: 15 May 2025 13:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

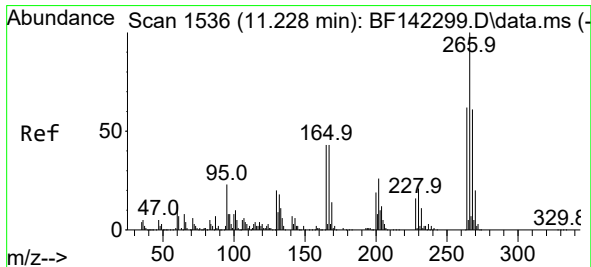
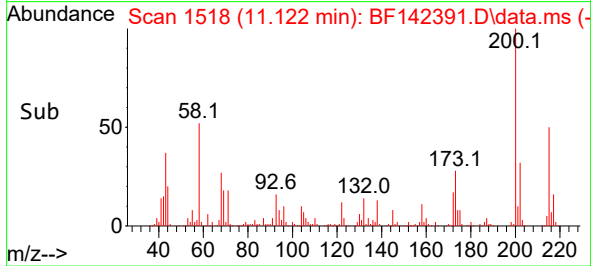
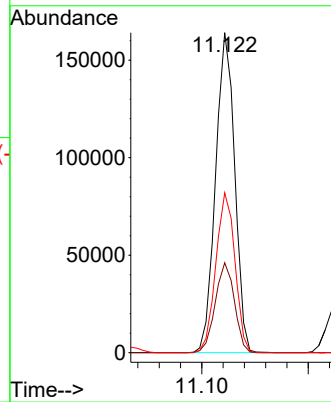
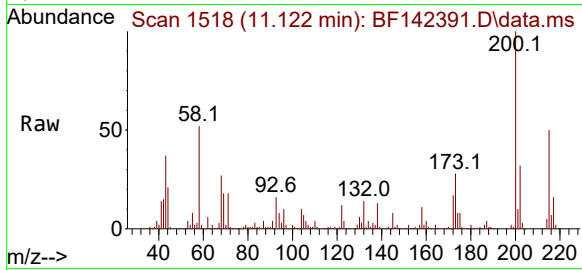
Tgt Ion:200 Resp: 204381

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

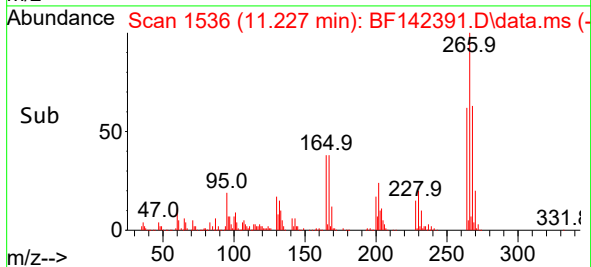
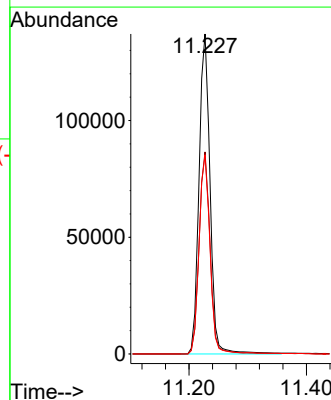
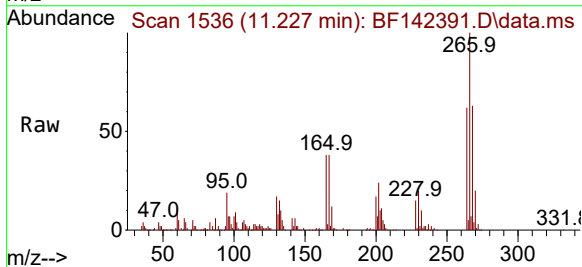
Tgt Ion:266 Resp: 178385

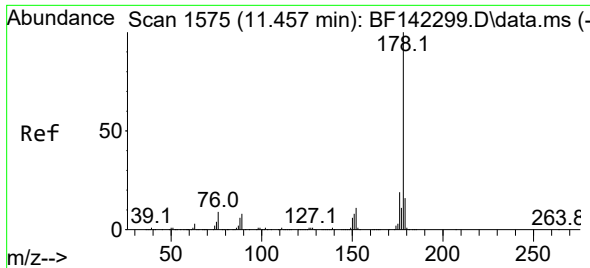
Ion Ratio Lower Upper

266 100

268 63.1 48.7 73.1

264 62.3 49.8 74.6

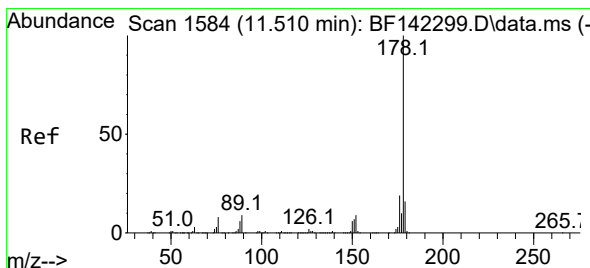
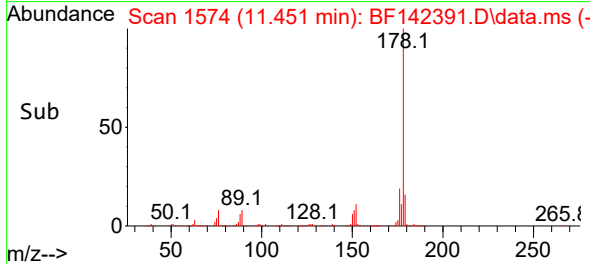
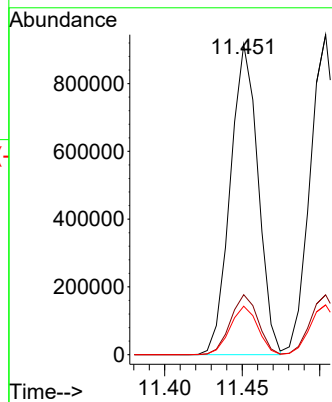
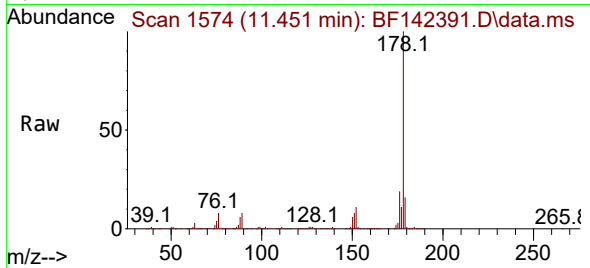




#71
Phenanthrene
Concen: 39.081 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

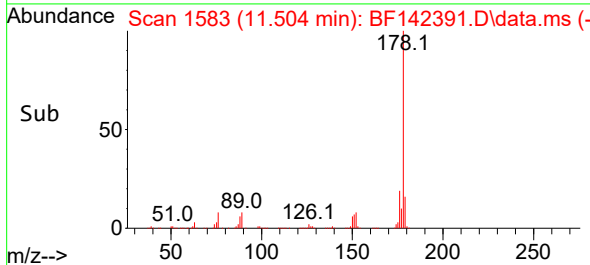
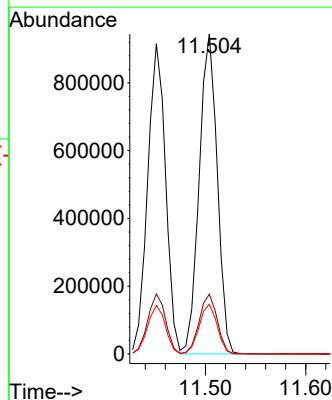
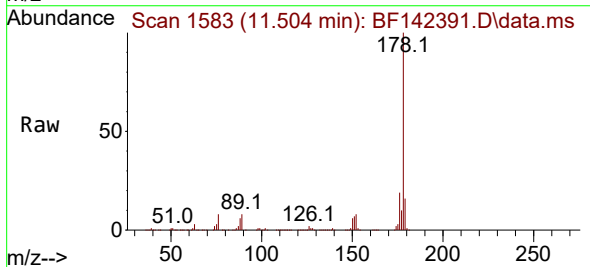
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

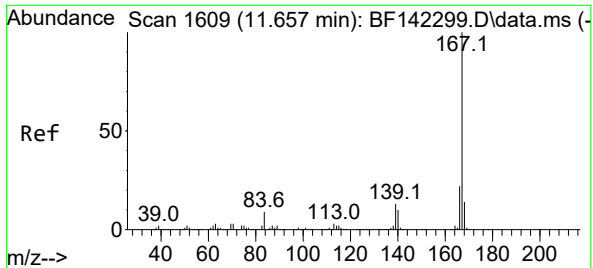
Tgt Ion:178 Resp: 1140799
Ion Ratio Lower Upper
178 100
176 19.3 15.5 23.3
179 15.6 12.6 18.8



#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

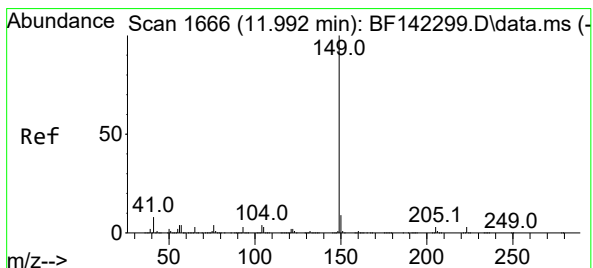
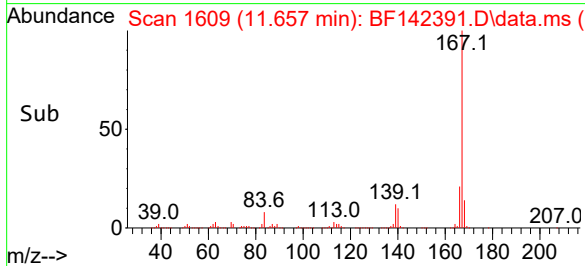
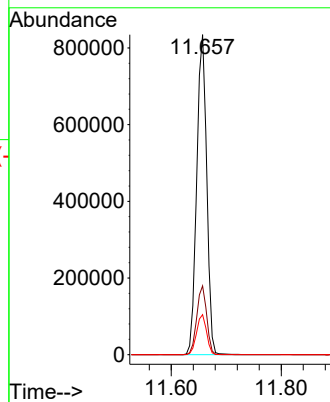
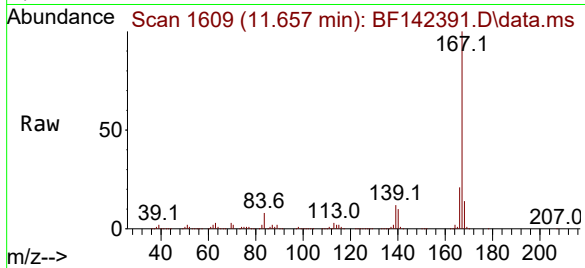
Tgt Ion:167 Resp: 1055338

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

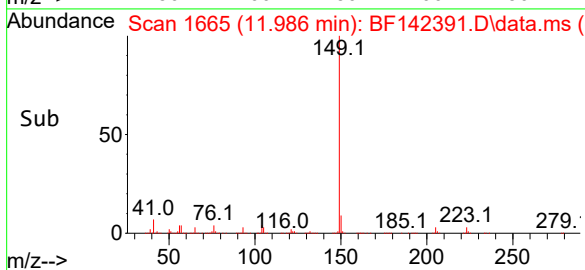
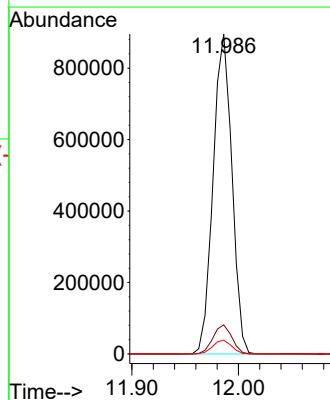
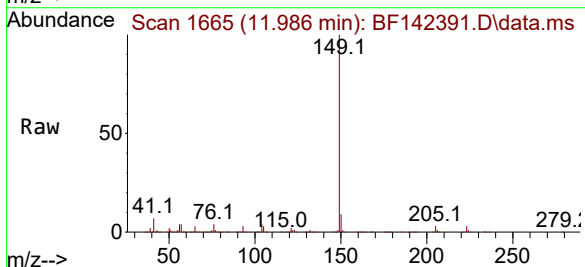
Tgt Ion:149 Resp: 1094163

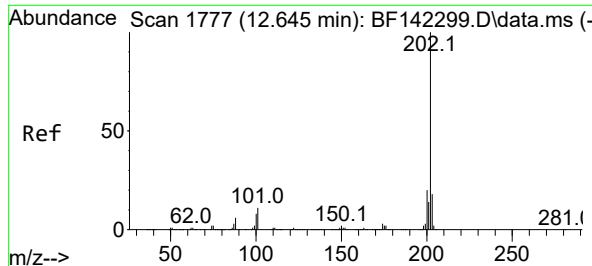
Ion Ratio Lower Upper

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# 11

Delta R.T. -0.006 min

Lab File: BF142391.D

Acq: 15 May 2025 13:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

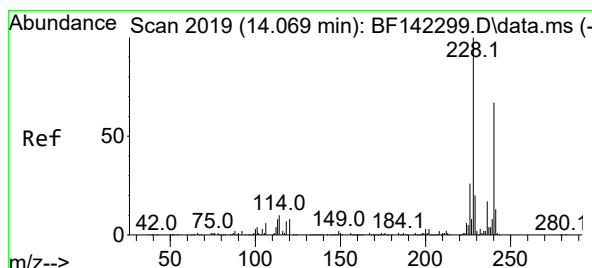
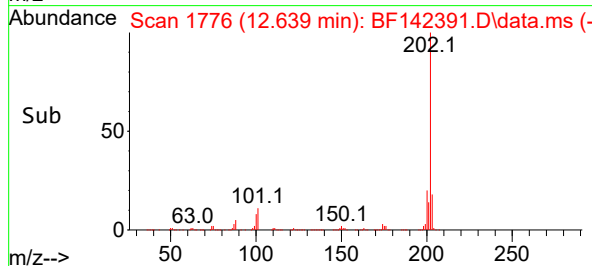
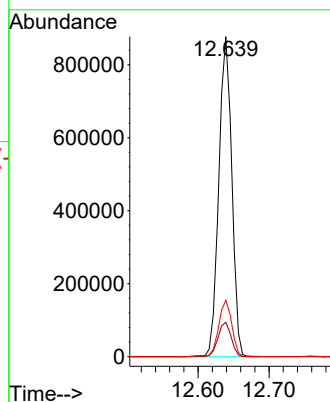
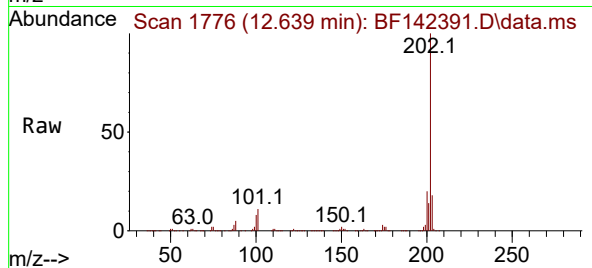
Tgt Ion:202 Resp: 1108935

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

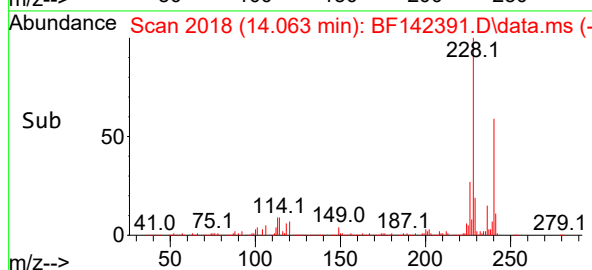
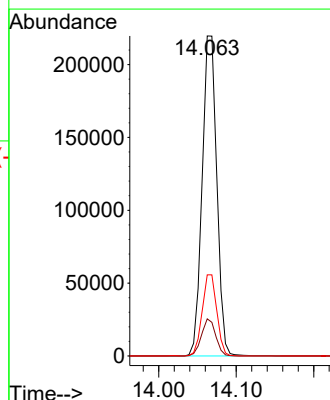
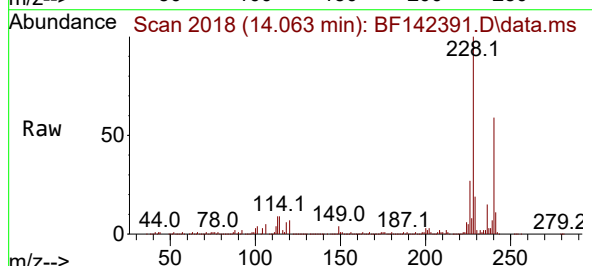
Tgt Ion:240 Resp: 288492

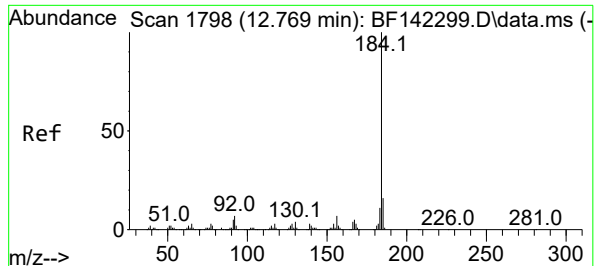
Ion Ratio Lower Upper

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# 11

Delta R.T. -0.012 min

Lab File: BF142391.D

Acq: 15 May 2025 13:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

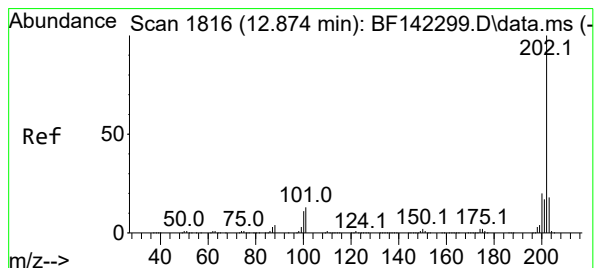
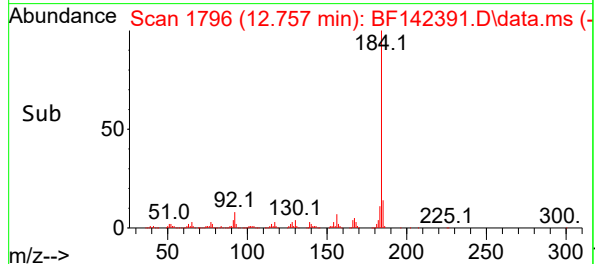
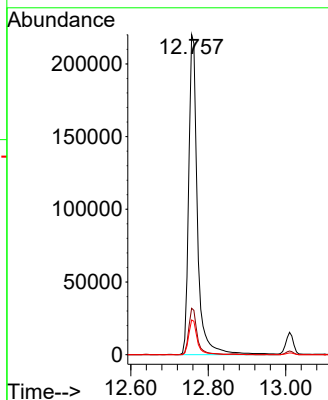
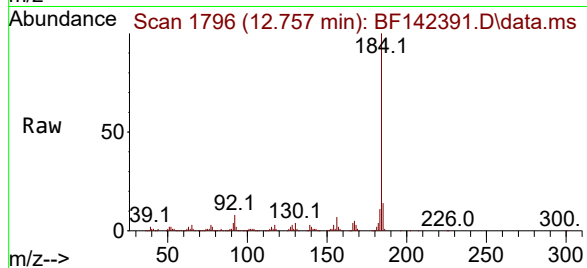
Tgt Ion:184 Resp: 343850

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

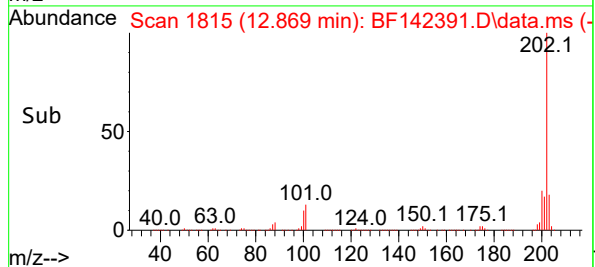
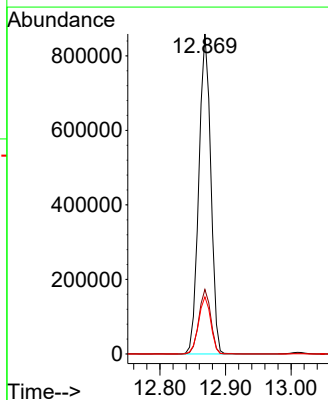
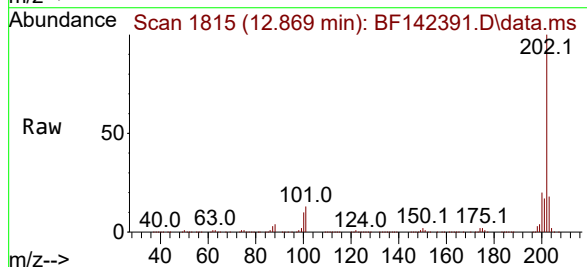
Tgt Ion:202 Resp: 1090362

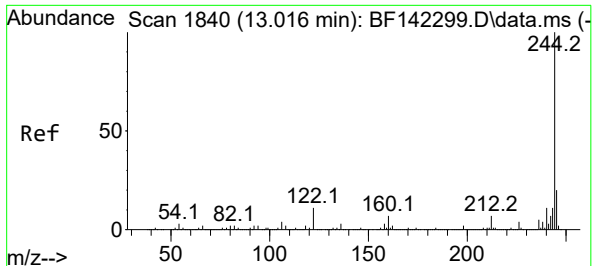
Ion Ratio Lower Upper

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# 11

Delta R.T. -0.006 min

Lab File: BF142391.D

Acq: 15 May 2025 13:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

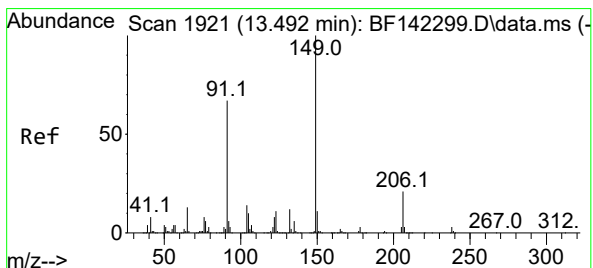
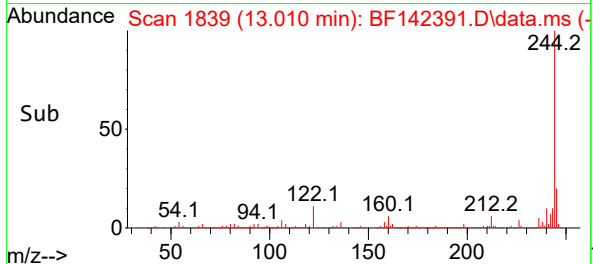
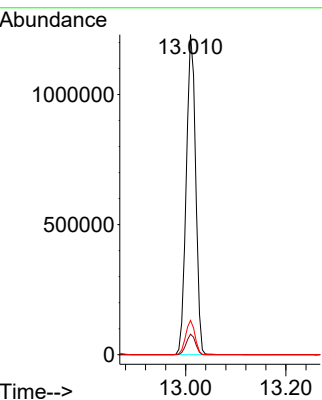
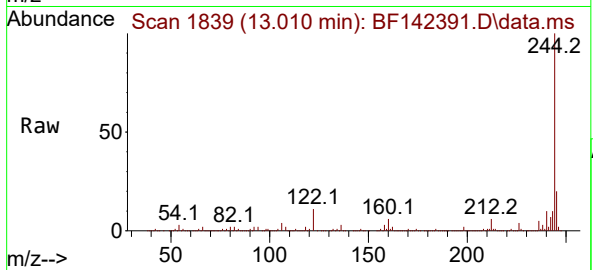
Tgt Ion:244 Resp: 1595908

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

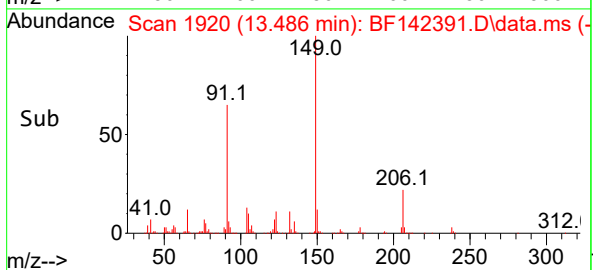
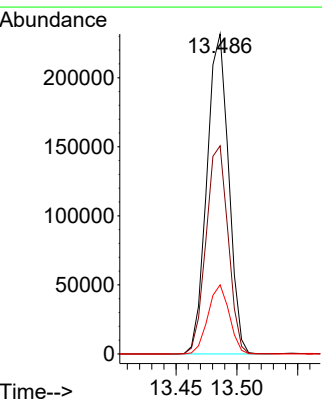
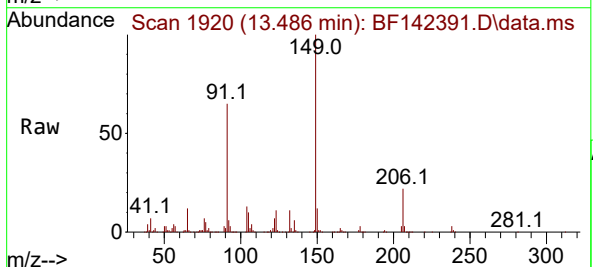
Tgt Ion:149 Resp: 288328

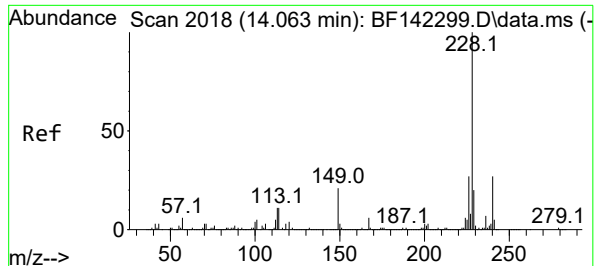
Ion Ratio Lower Upper

149 100

91 65.1 53.8 80.6

206 21.6 16.6 24.8

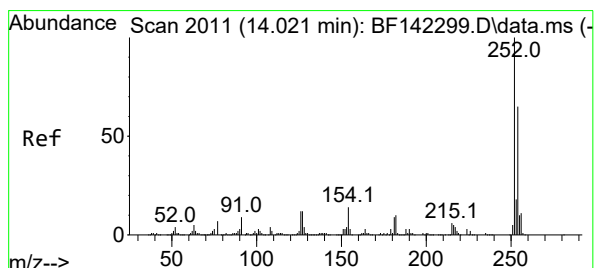
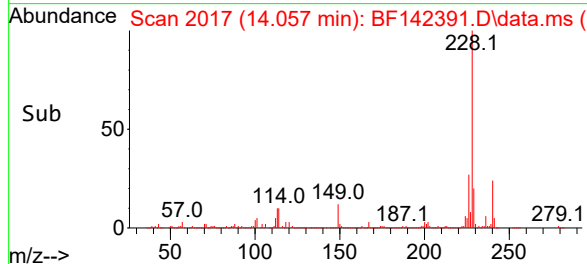
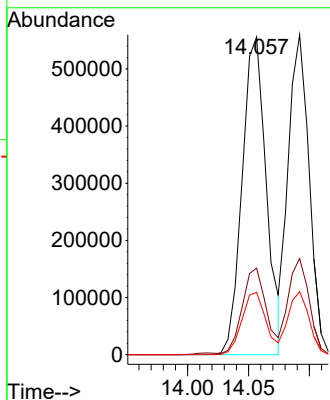
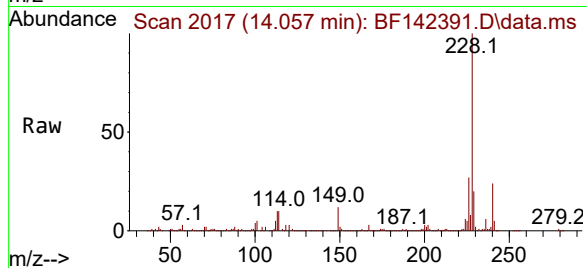




#81
Benzo(a)anthracene
Concen: 41.220 ng
RT: 14.057 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

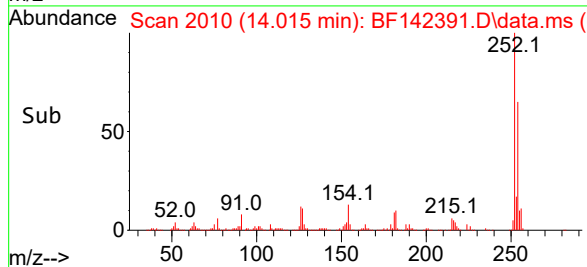
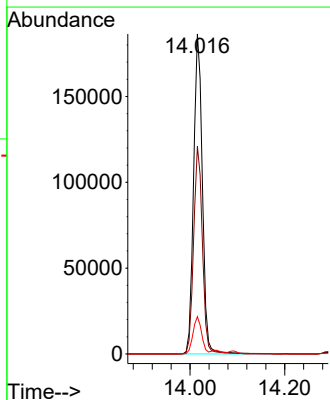
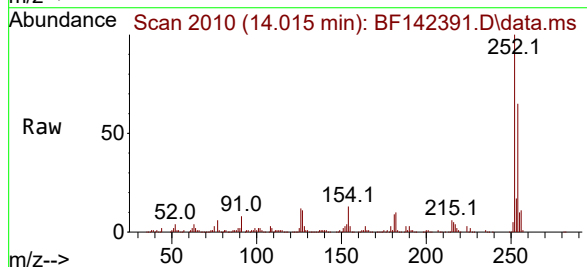
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

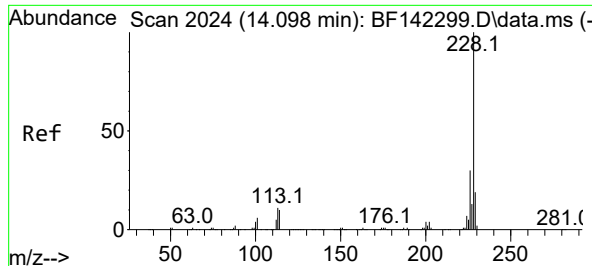
Tgt Ion:228 Resp: 770111
Ion Ratio Lower Upper
228 100
226 27.2 21.5 32.3
229 19.7 15.9 23.9



#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# 20

Delta R.T. -0.006 min

Lab File: BF142391.D

Acq: 15 May 2025 13:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

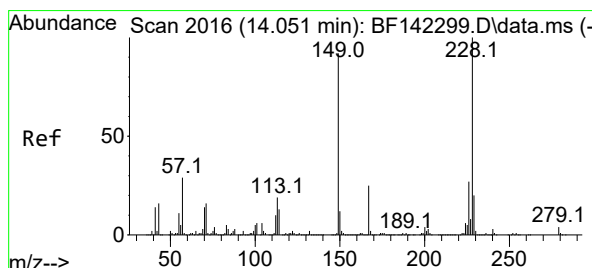
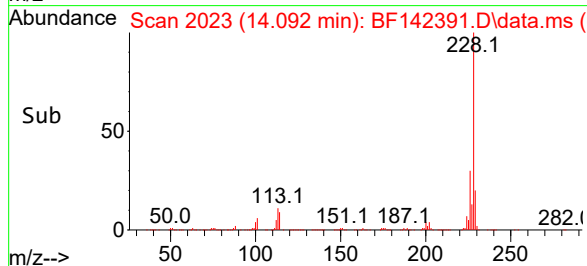
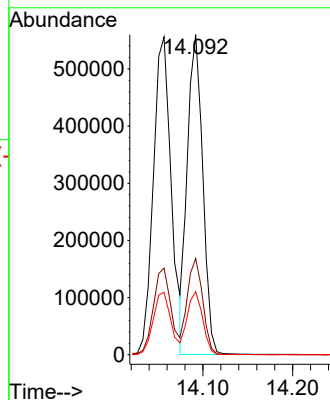
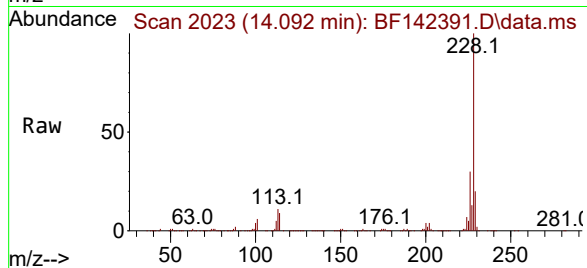
Tgt Ion:228 Resp: 669868

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

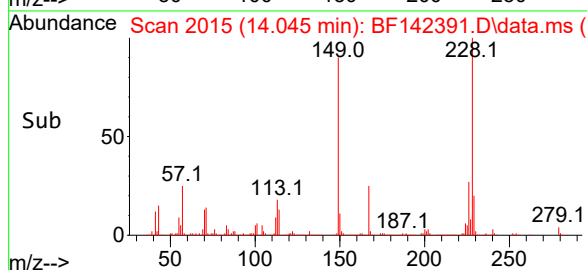
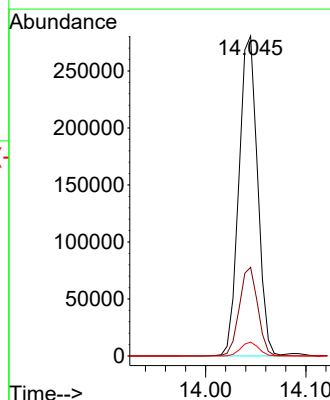
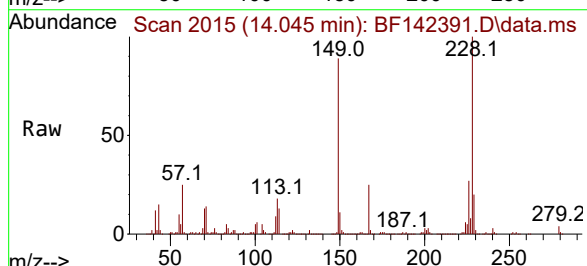
Tgt Ion:149 Resp: 363177

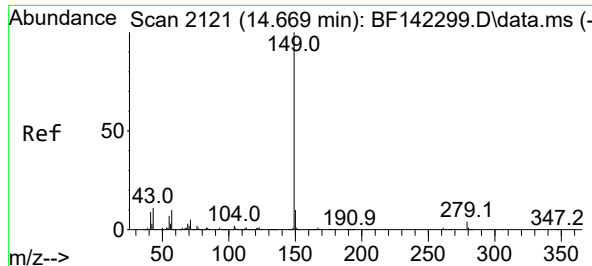
Ion Ratio Lower Upper

149 100

167 27.7 22.0 33.0

279 4.4 3.0 4.6

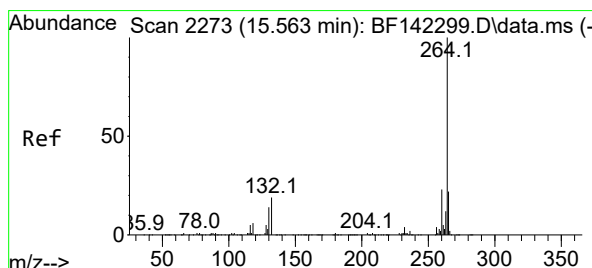
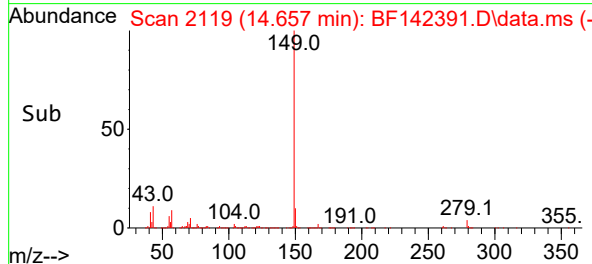
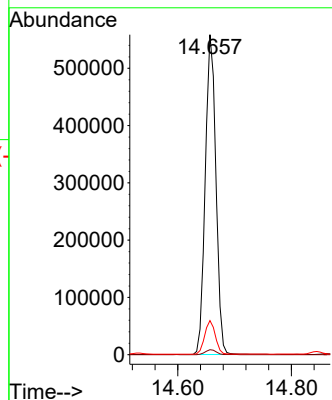
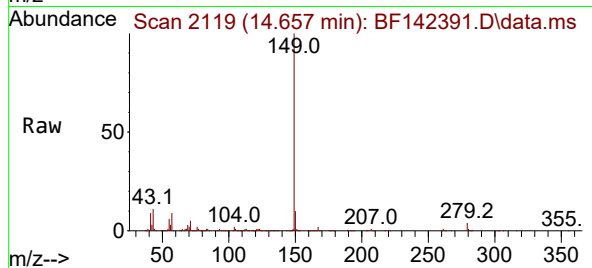




#85
Di-n-octyl phthalate
Concen: 42.259 ng
RT: 14.657 min Scan# 2119
Delta R.T. -0.012 min
Lab File: BF142391.D
Acq: 15 May 2025 13:58

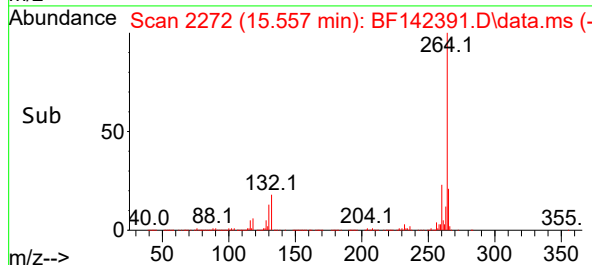
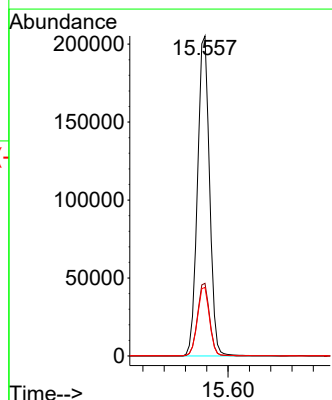
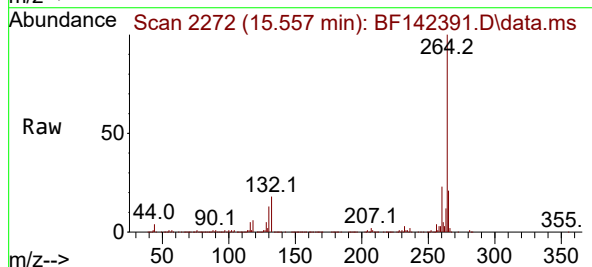
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040EC

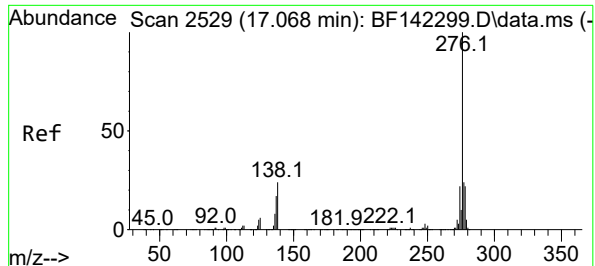
Tgt Ion:149 Resp: 723835
Ion Ratio Lower Upper
149 100
167 1.6 1.1 1.7
43 10.5 9.2 13.8



#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# 21

Delta R.T. -0.006 min

Lab File: BF142391.D

Acq: 15 May 2025 13:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

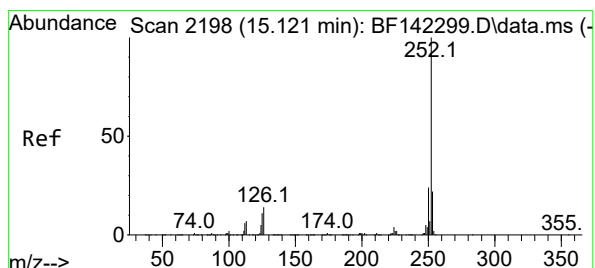
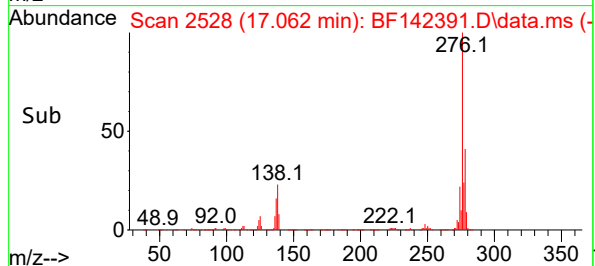
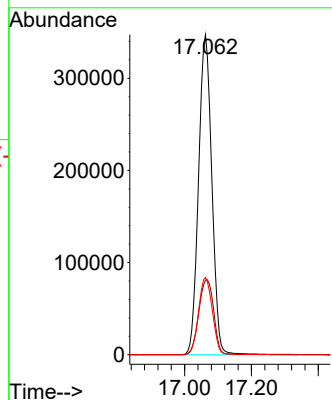
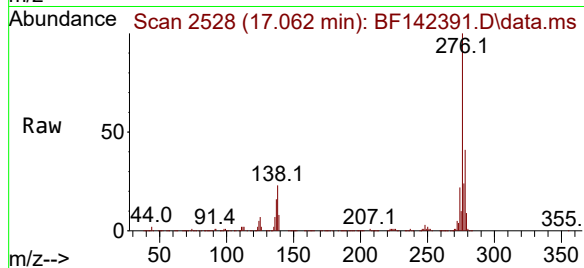
Tgt Ion:276 Resp: 957618

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

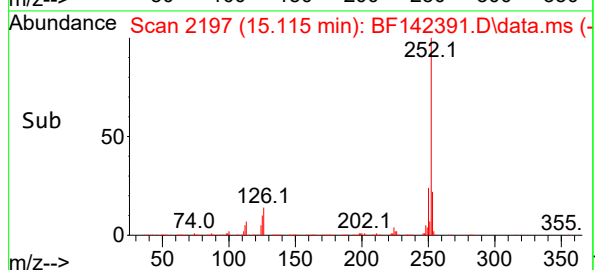
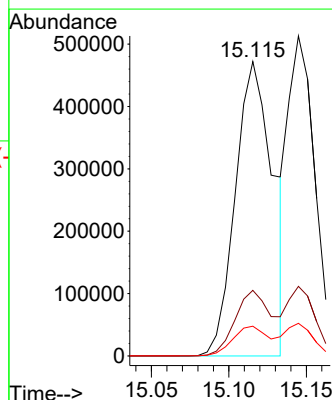
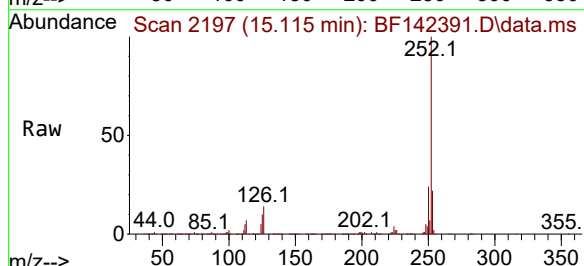
Tgt Ion:252 Resp: 796168

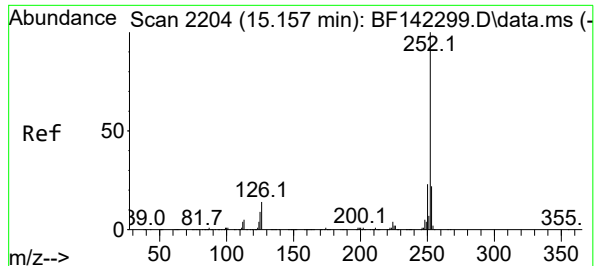
Ion Ratio Lower Upper

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# 21

Delta R.T. -0.012 min

Lab File: BF142391.D

Acq: 15 May 2025 13:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

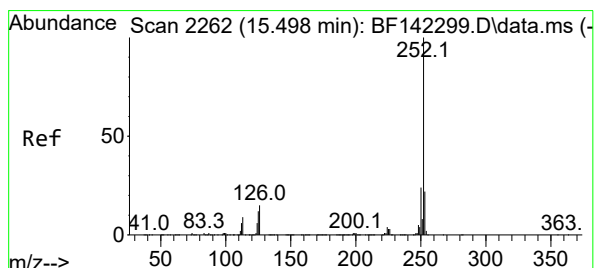
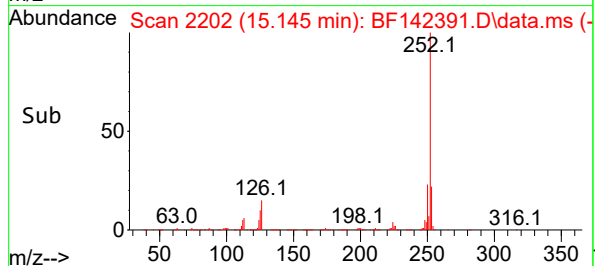
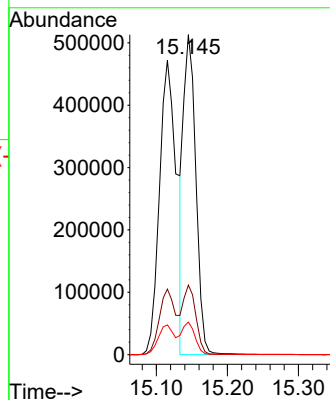
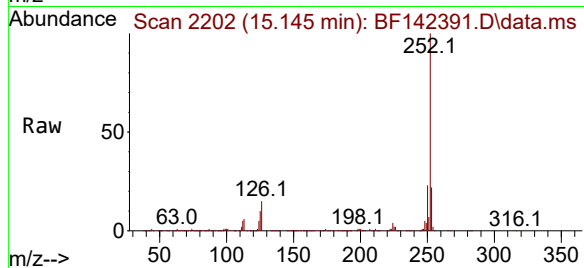
Tgt Ion:252 Resp: 618596

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

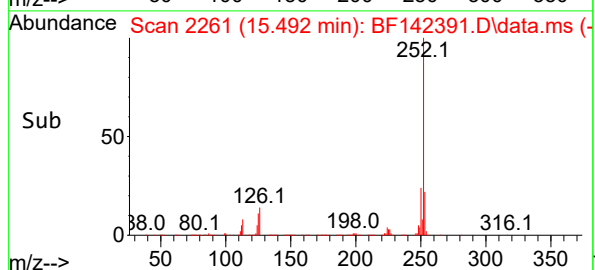
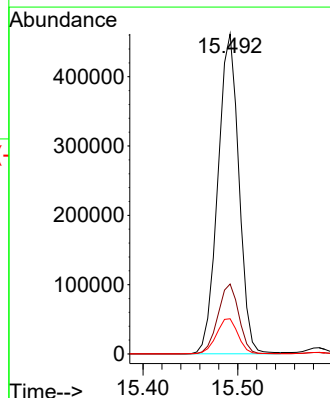
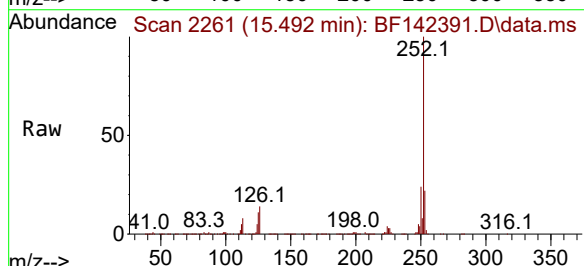
Tgt Ion:252 Resp: 710974

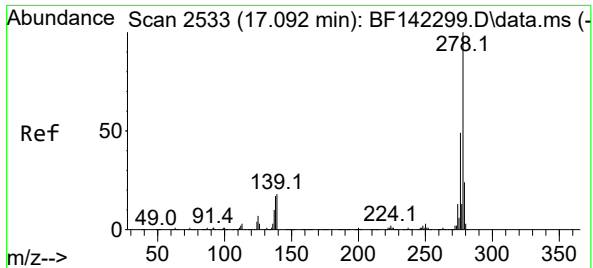
Ion Ratio Lower Upper

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# 21

Delta R.T. -0.012 min

Lab File: BF142391.D

Acq: 15 May 2025 13:58

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040EC

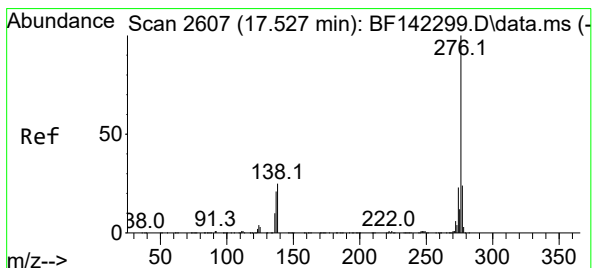
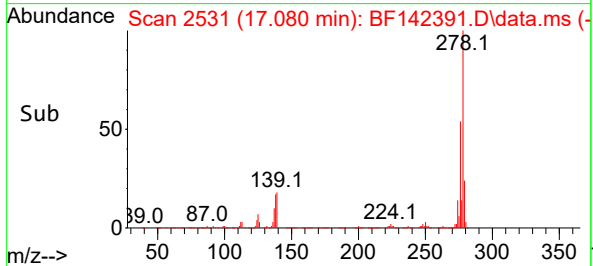
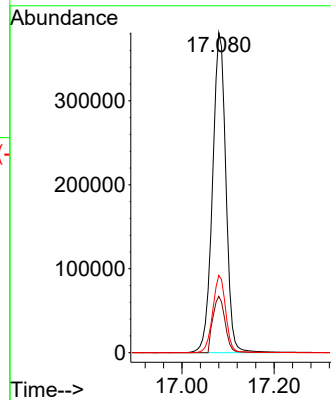
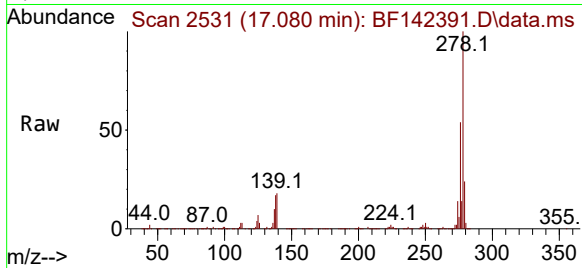
Tgt Ion:278 Resp: 769936

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

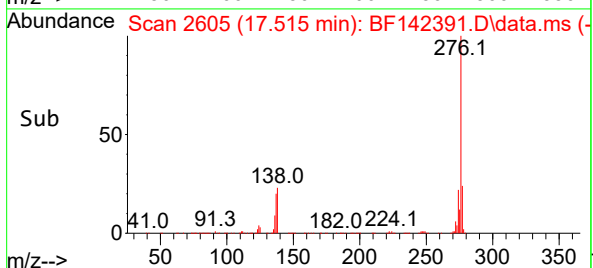
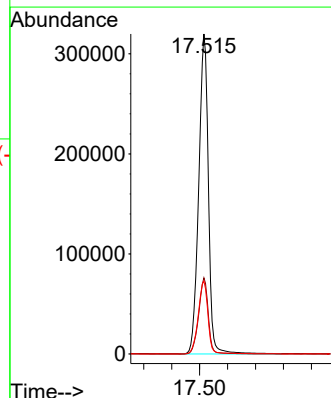
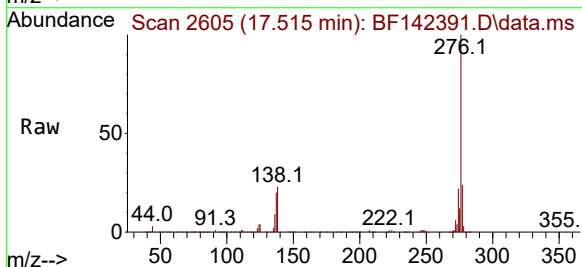
Tgt Ion:276 Resp: 766601

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	Benzydine	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



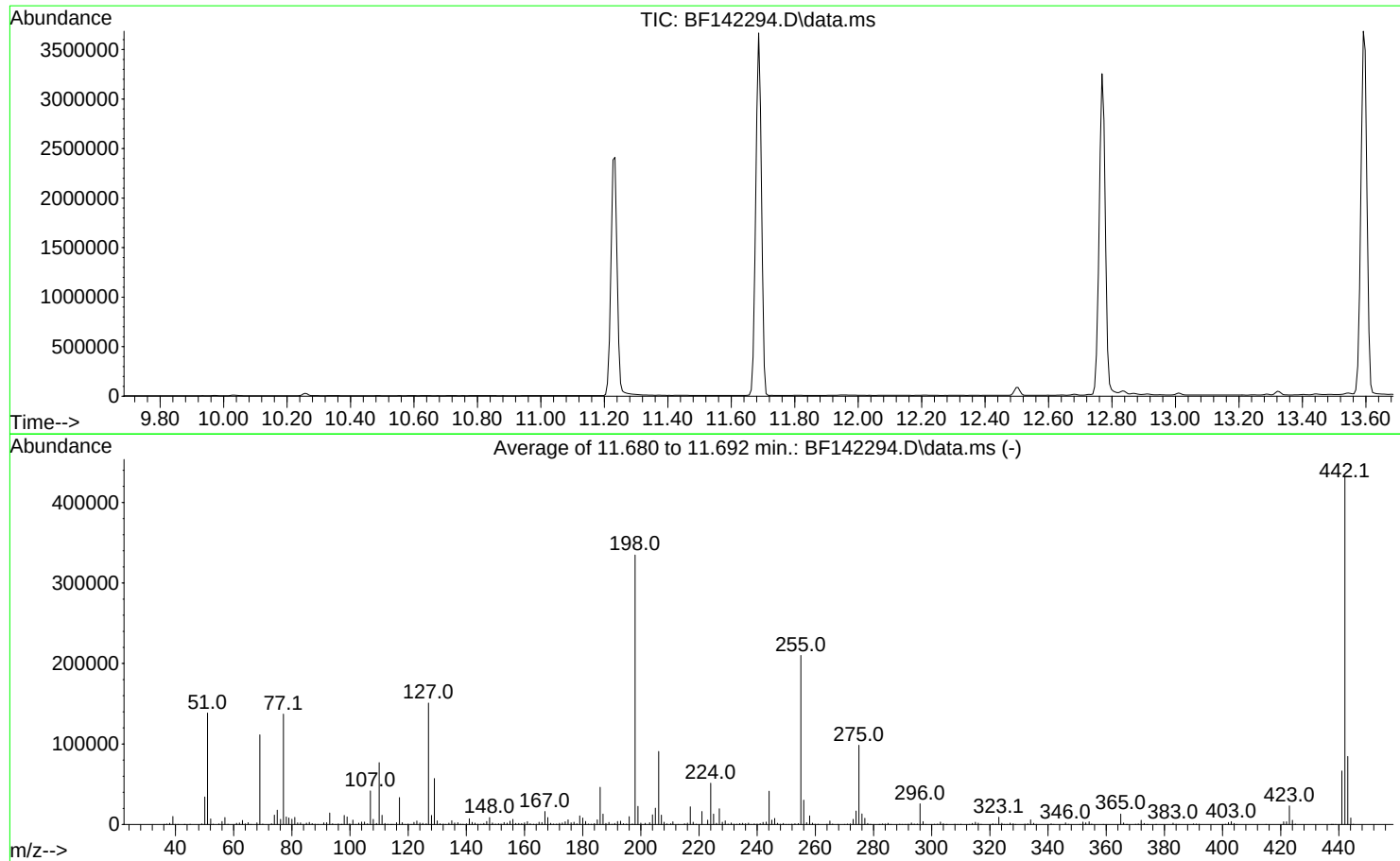
QC SAMPLE DATA

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



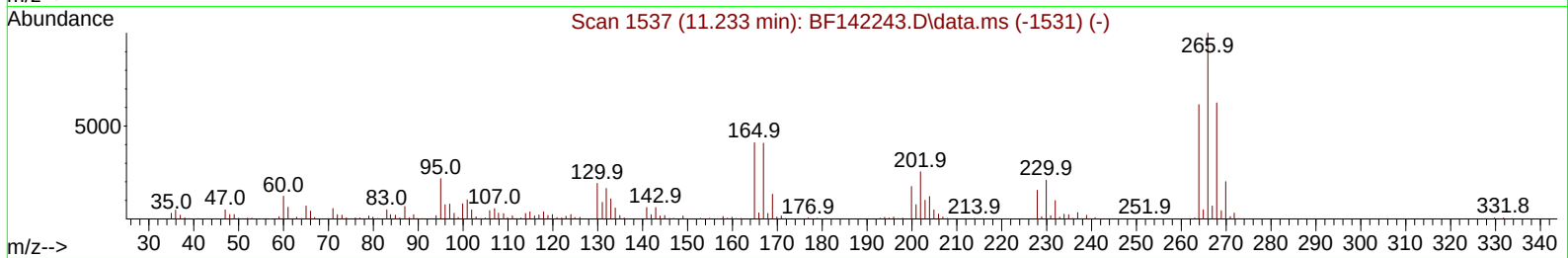
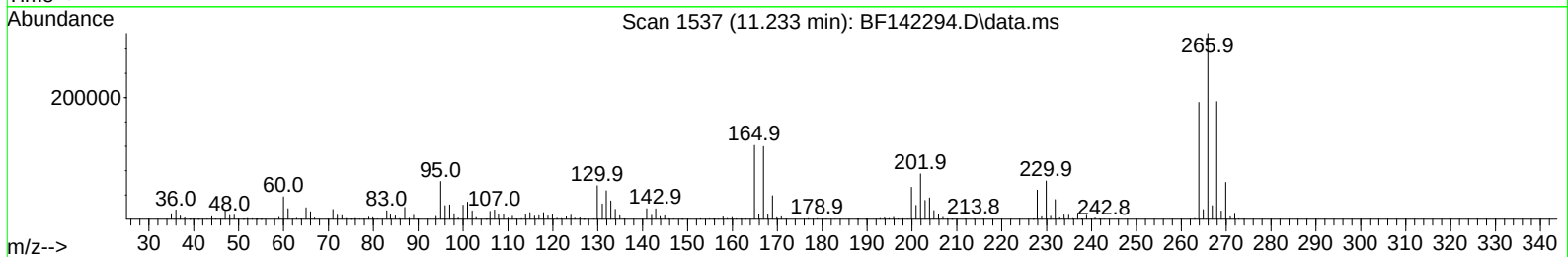
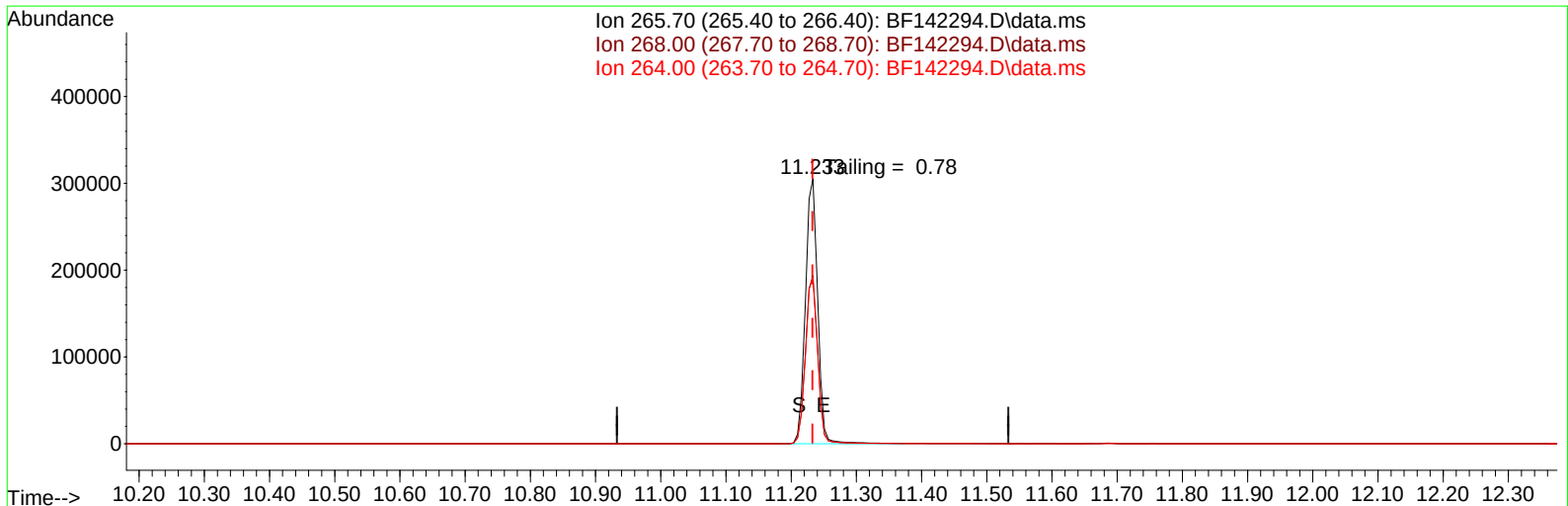
AutoFind: Scans 1613, 1614, 1615; Background Corrected with Scan 1606

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

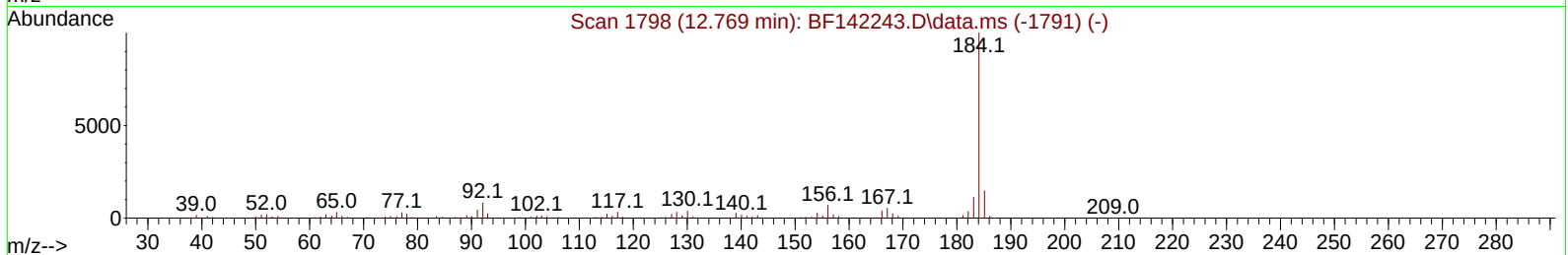
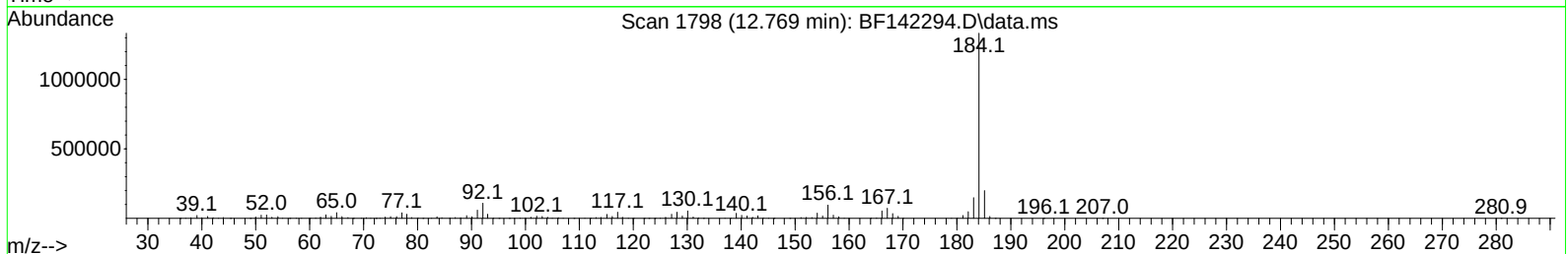
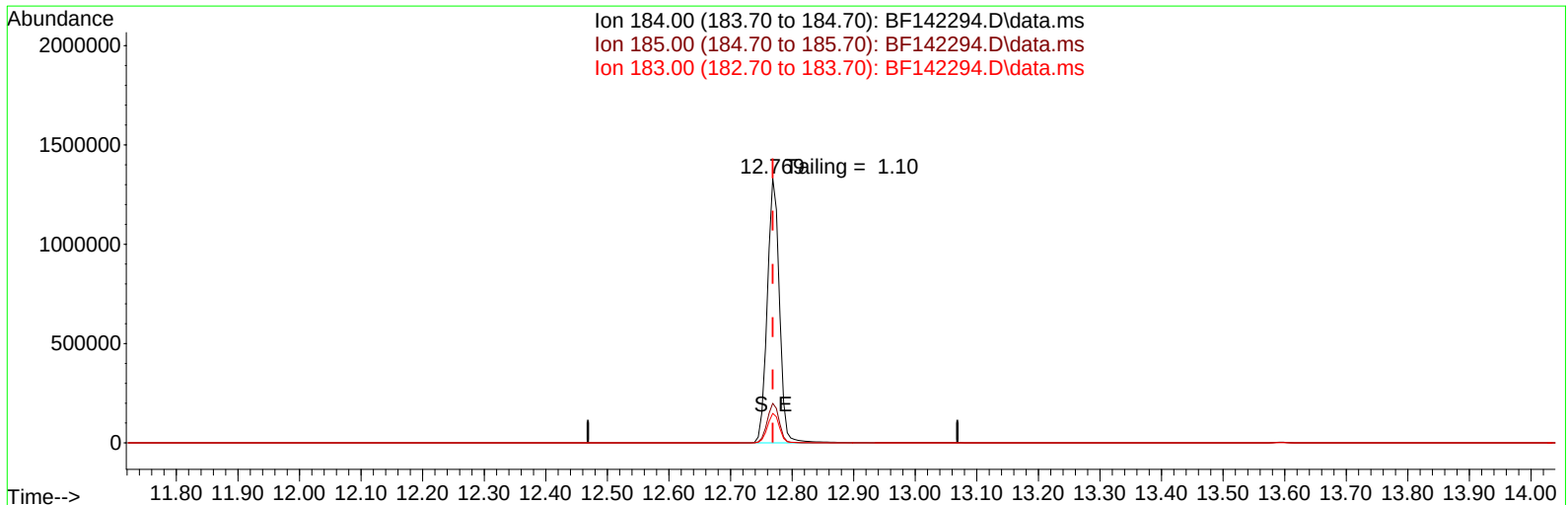
response 401301

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

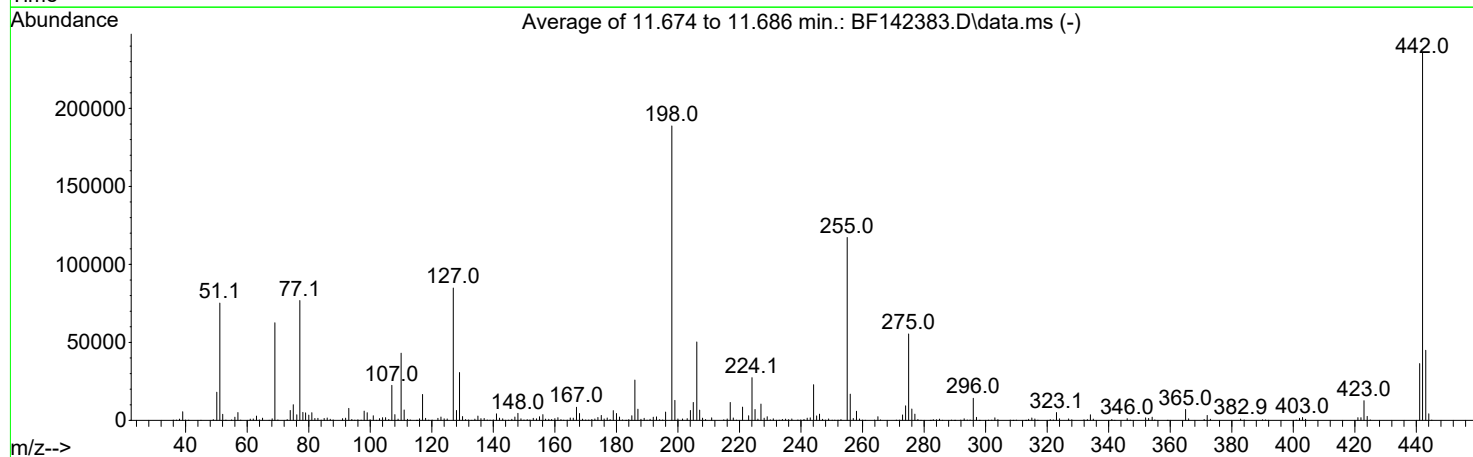
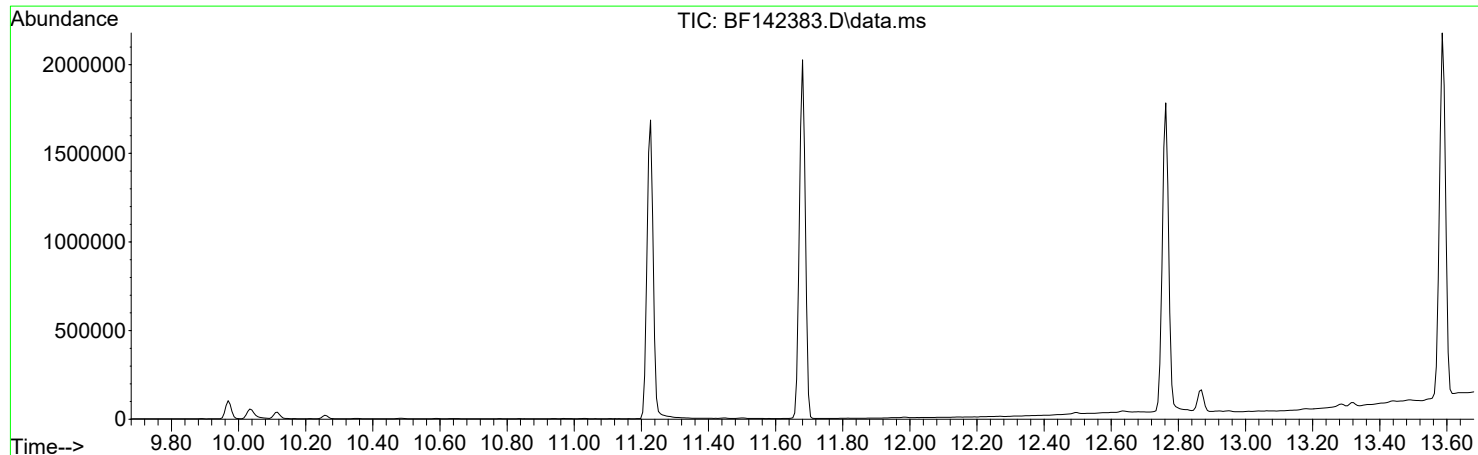
Date	Instrument Name	DFTPP Data File
5/5/2025	BNA_F	<u>BF142294.D</u>
Compound Name	Response	Retention Time
DDT	875067	13.592
DDD	9793	13.321
DDE	601	12.957
SUM(DDD+DDE)	SUM(DDT+DDD+DDE)	% Breakdown Of DDT
10394	885461	1.17

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



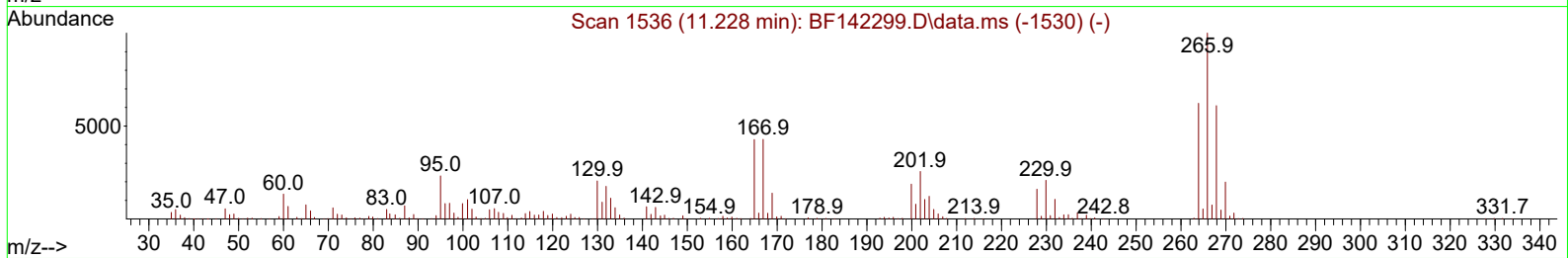
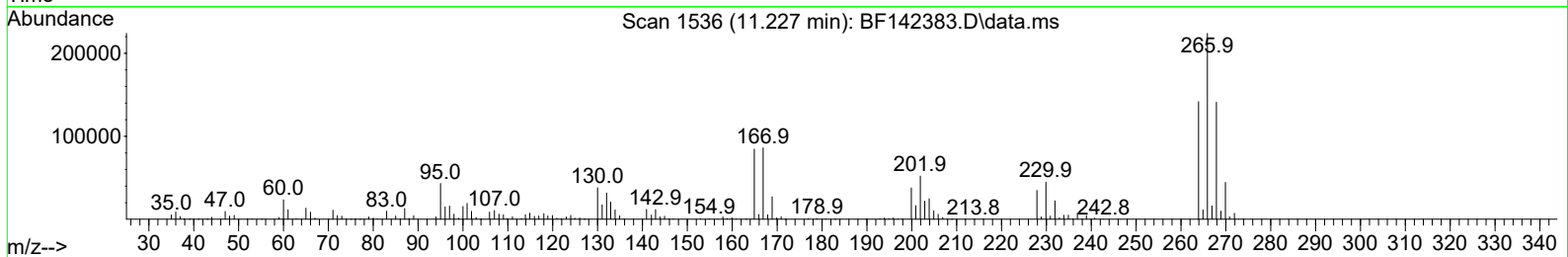
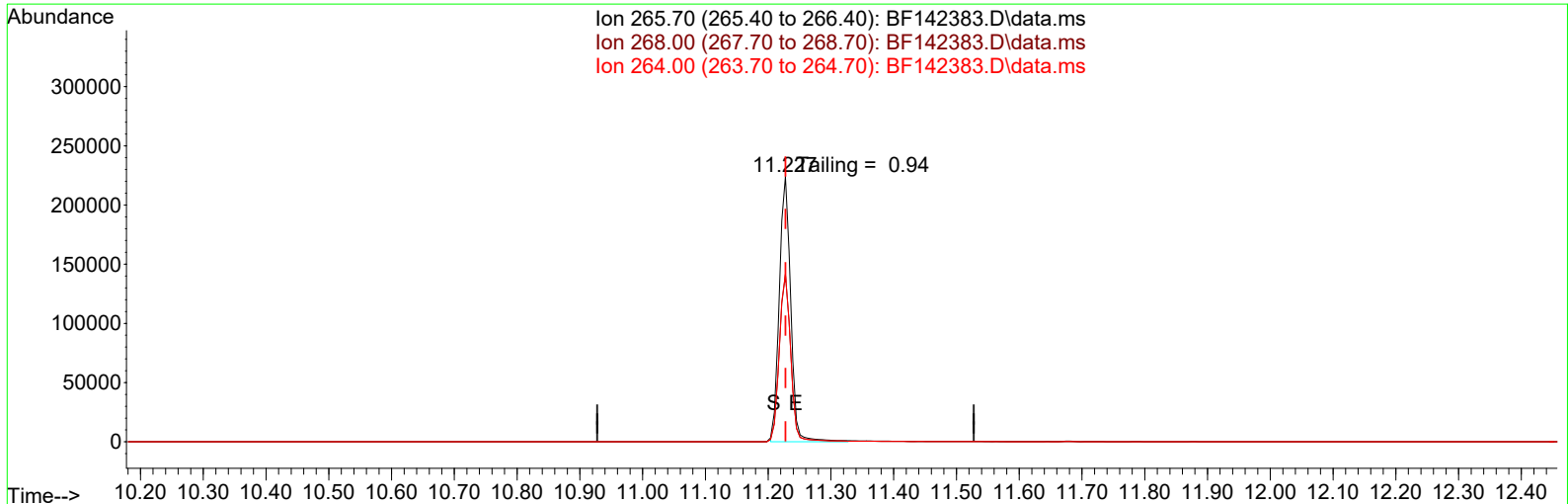
AutoFind: Scans 1612, 1613, 1614; Background Corrected with Scan 1605

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

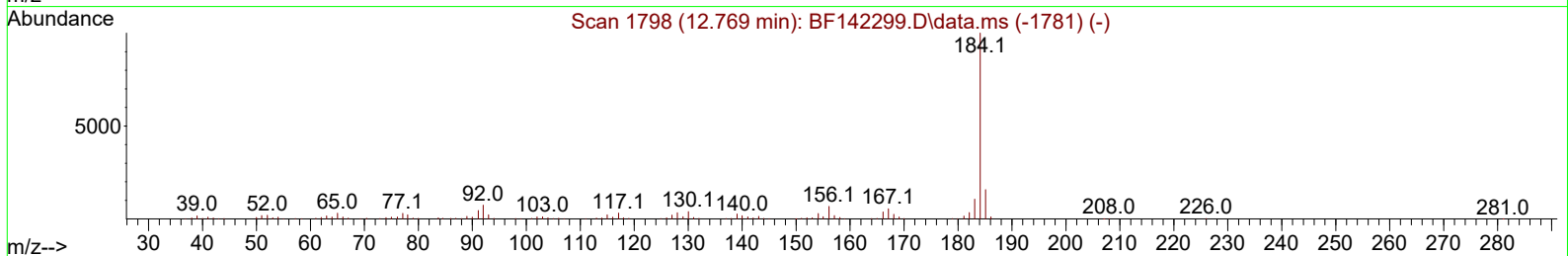
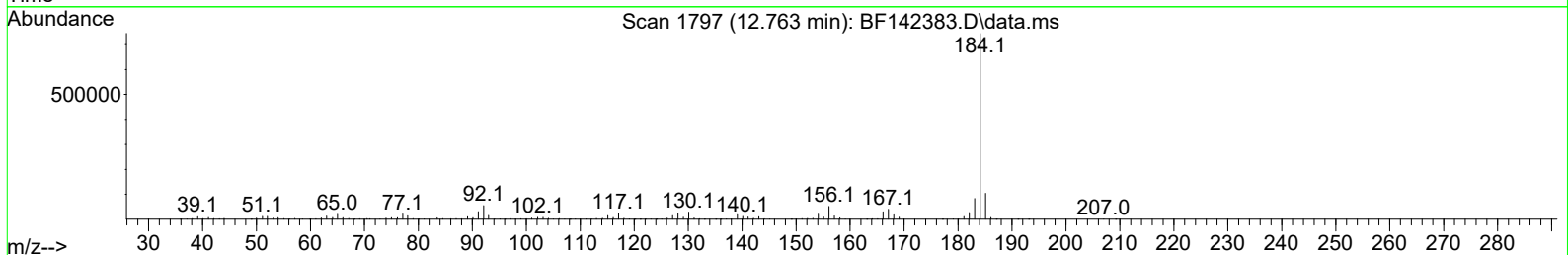
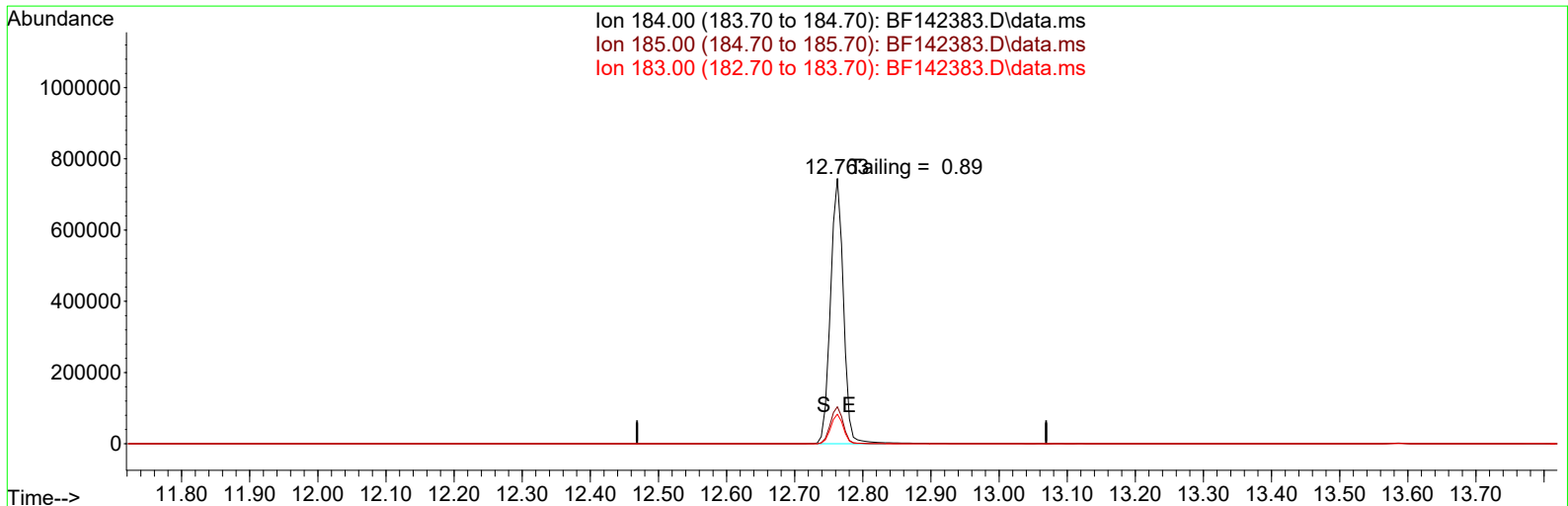
response 288510

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	<u>BF142383.D</u>
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

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

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

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

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

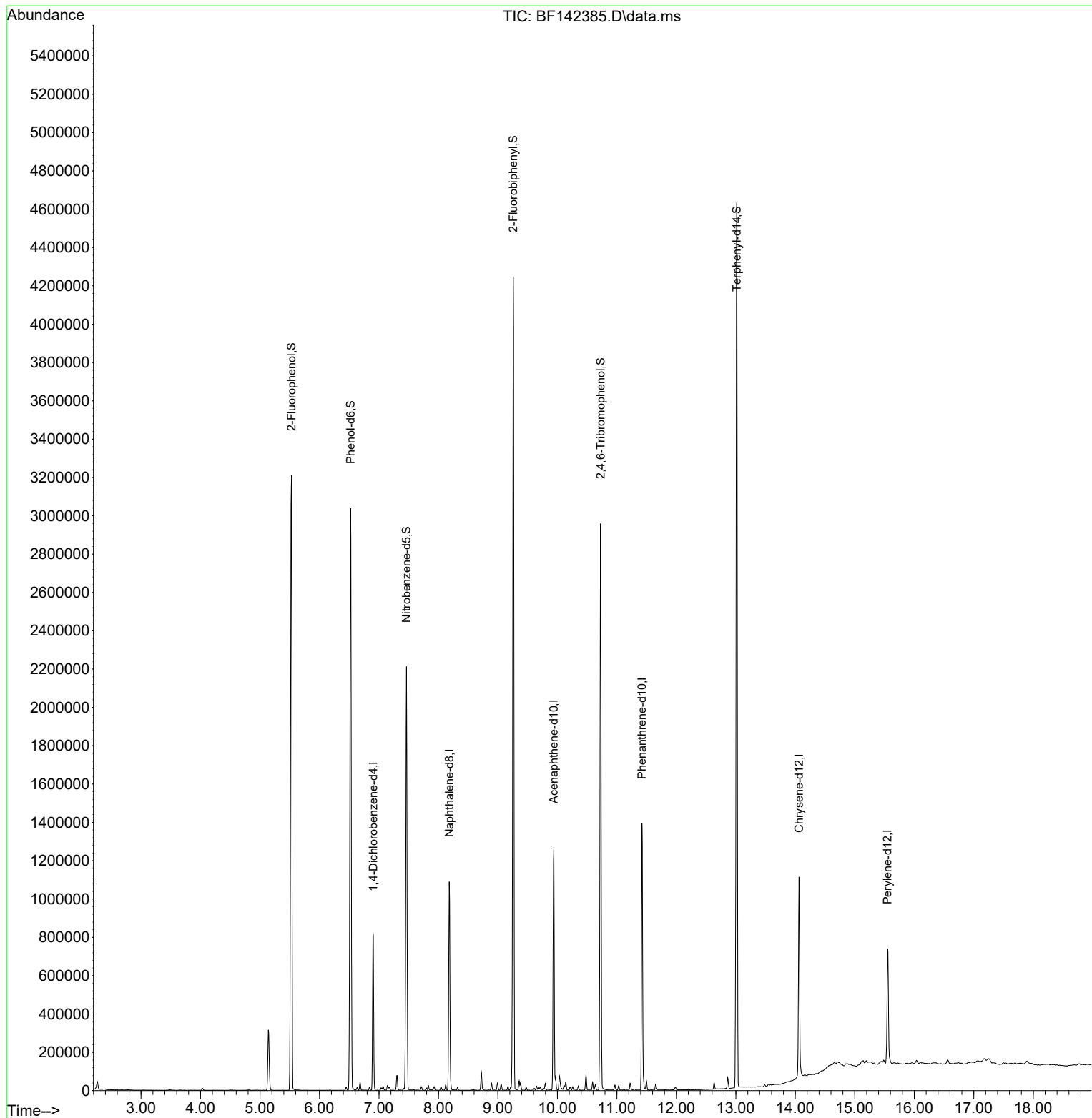
Target Compounds	Qvalue

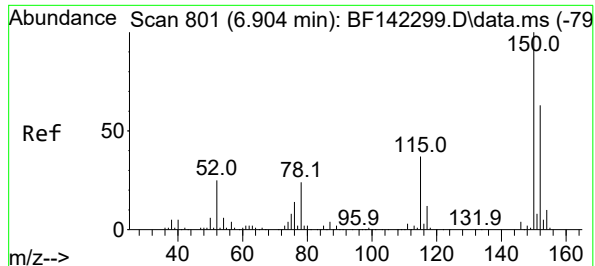
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

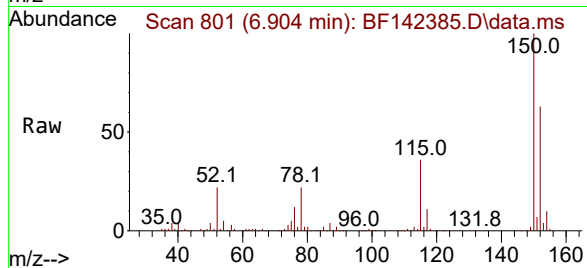
Quant Time: May 15 11:06:43 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration



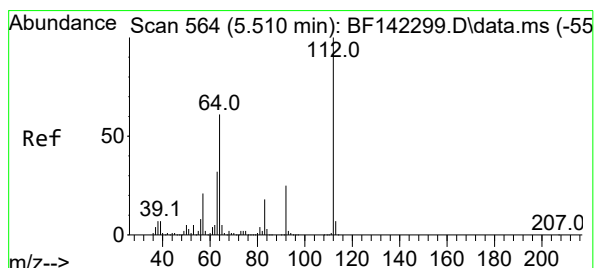
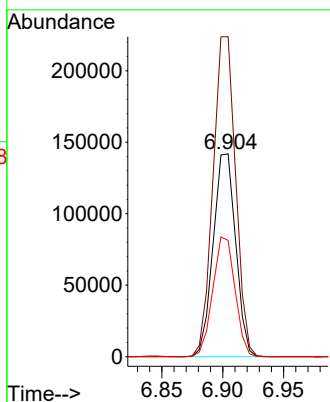
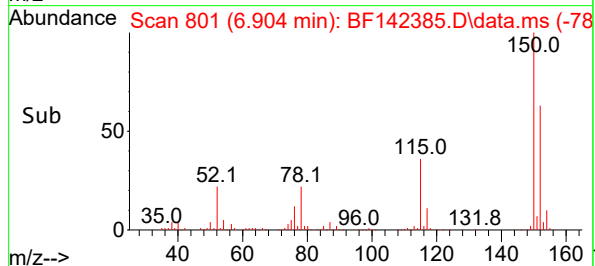


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF142385.D
Acq: 15 May 2025 10:37

Instrument :
BNA_F
ClientSampleId :
PB167951BL

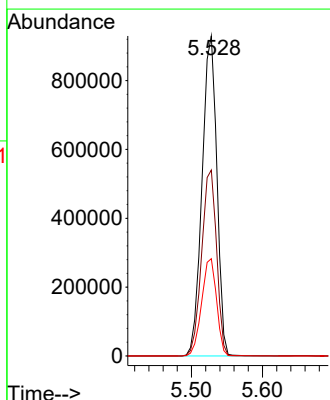
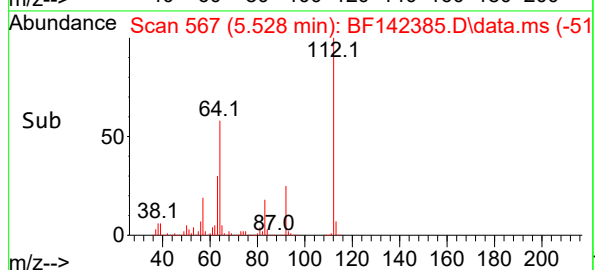
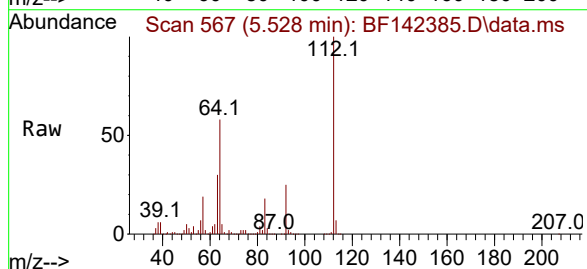


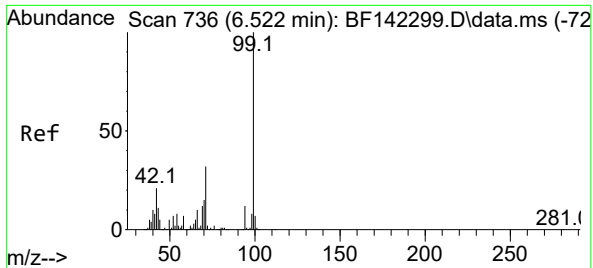
Tgt Ion:152 Resp: 182996
Ion Ratio Lower Upper
152 100
150 157.7 126.6 190.0
115 57.3 47.3 70.9



#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

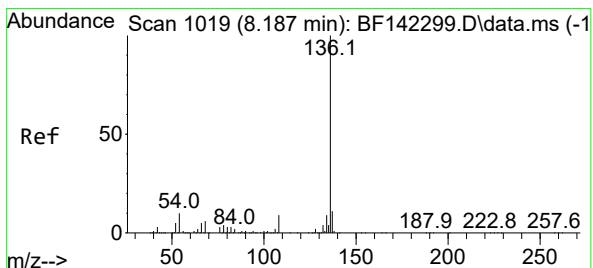
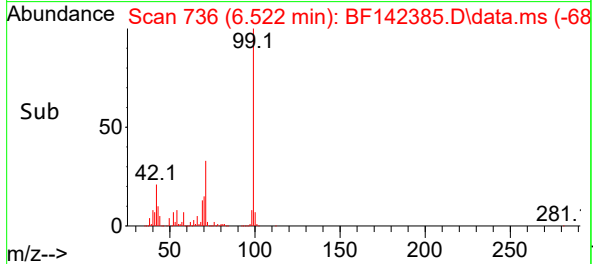
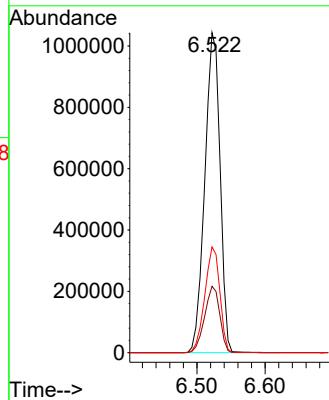
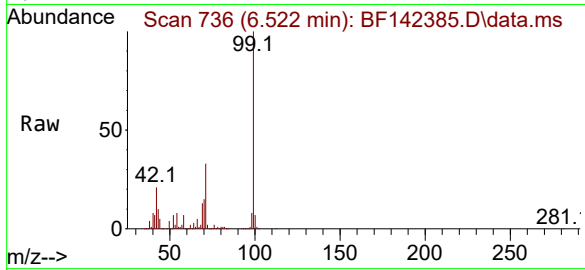




#7
Phenol-d6
Concen: 123.299 ng
RT: 6.522 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF142385.D
Acq: 15 May 2025 10:37

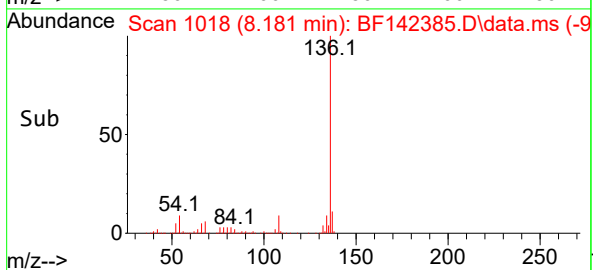
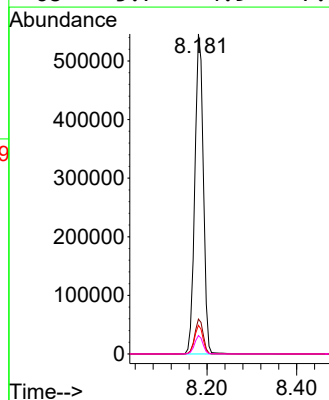
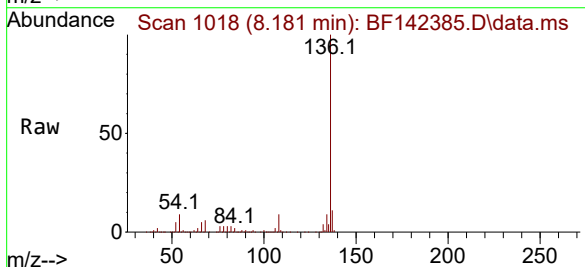
Instrument :
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ClientSampleId :
PB167951BL

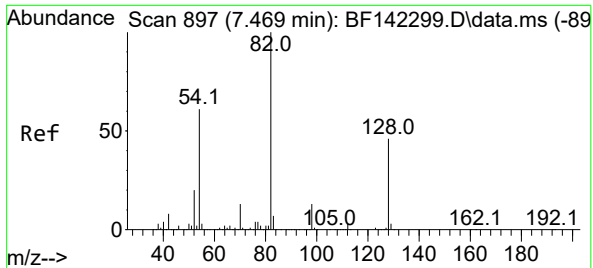
Tgt Ion: 99 Resp: 1625642
Ion Ratio Lower Upper
99 100
42 20.8 17.0 25.4
71 33.1 25.8 38.8



#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# 89

Delta R.T. -0.006 min

Lab File: BF142385.D

Acq: 15 May 2025 10:37

Instrument :

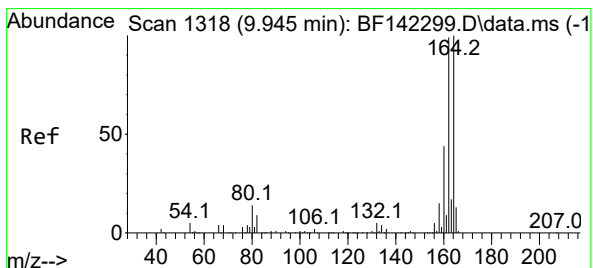
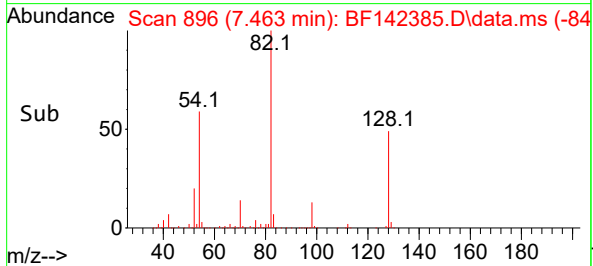
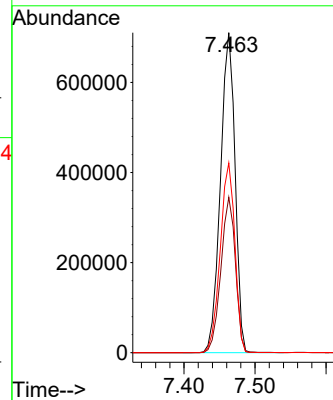
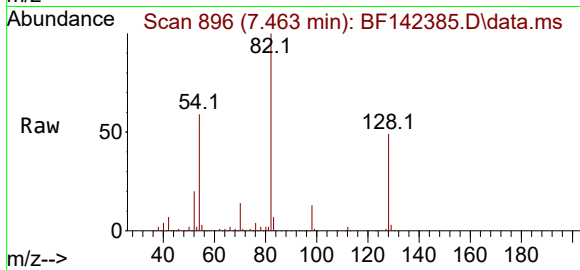
BNA_F

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

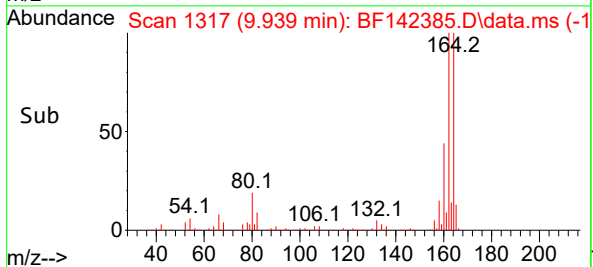
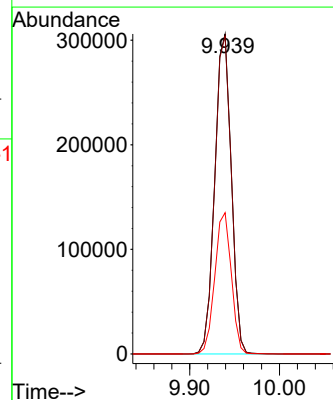
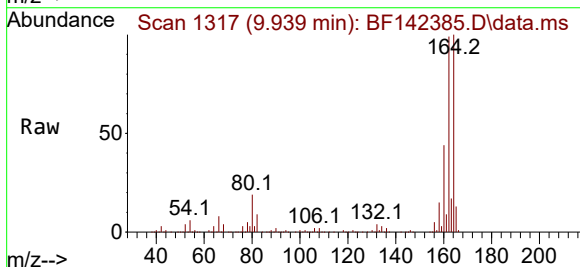
Delta R.T. -0.006 min

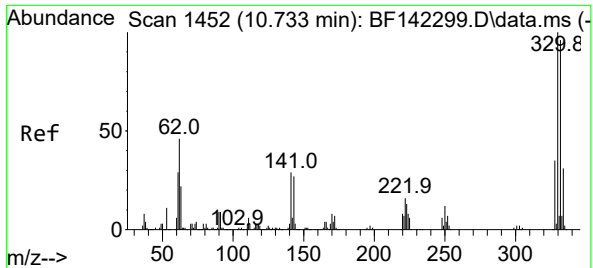
Lab File: BF142385.D

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

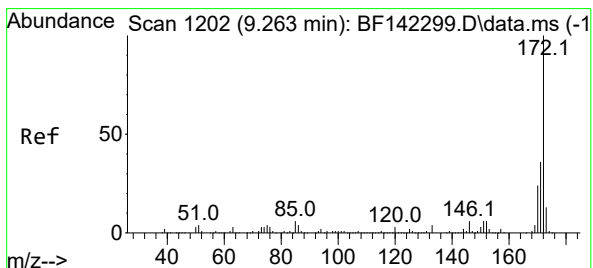
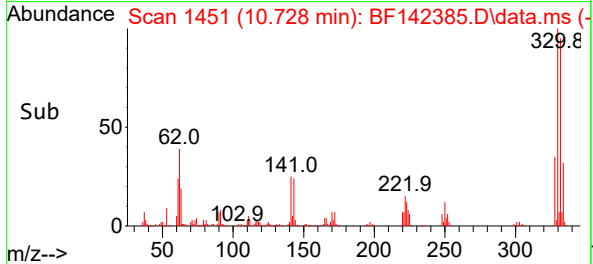
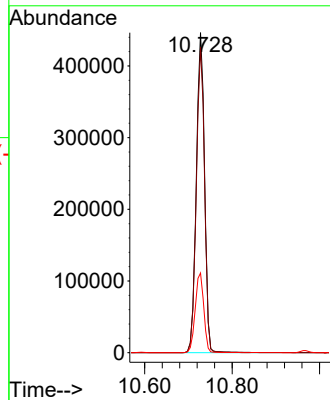
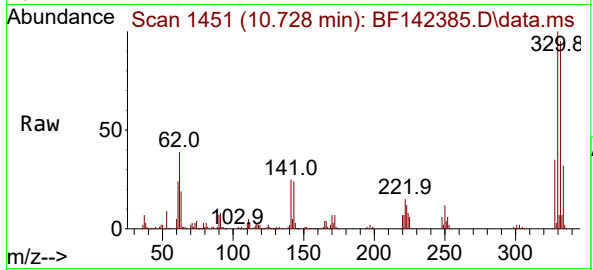




#42
2,4,6-Tribromophenol
Concen: 154.833 ng
RT: 10.728 min Scan# 1452
Delta R.T. -0.006 min
Lab File: BF142385.D
Acq: 15 May 2025 10:37

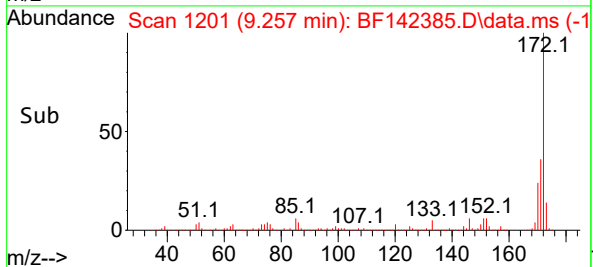
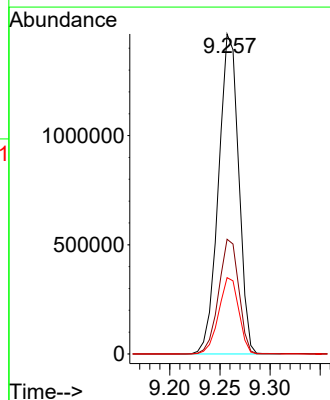
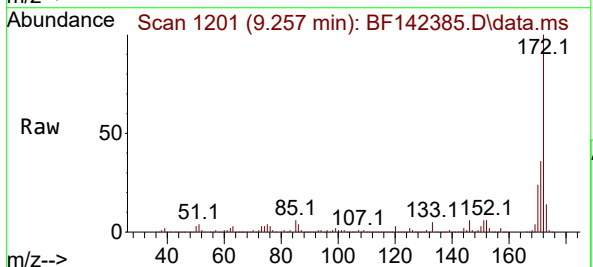
Instrument :
BNA_F
ClientSampleId :
PB167951BL

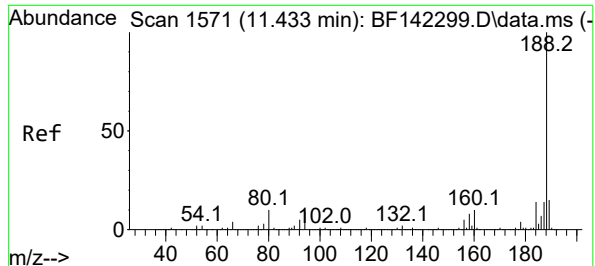
Tgt Ion:330 Resp: 584610
Ion Ratio Lower Upper
330 100
332 95.5 76.8 115.2
141 26.0 24.9 37.3



#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# 1569

Delta R.T. -0.012 min

Lab File: BF142385.D

Acq: 15 May 2025 10:37

Instrument :

BNA_F

ClientSampleId :

PB167951BL

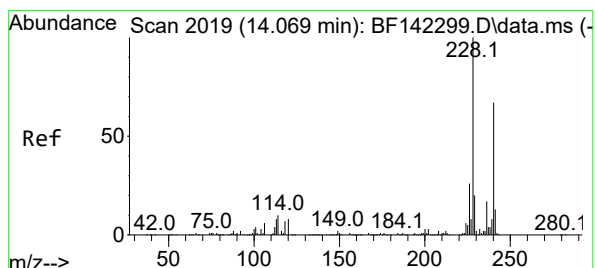
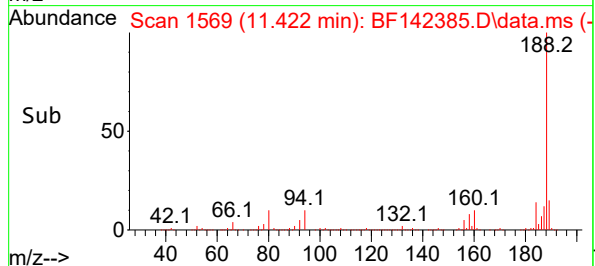
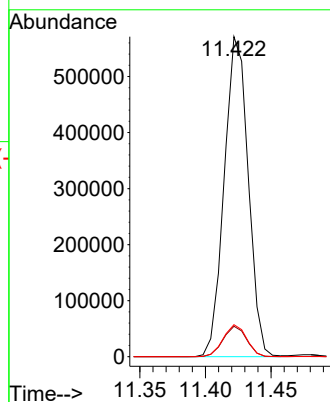
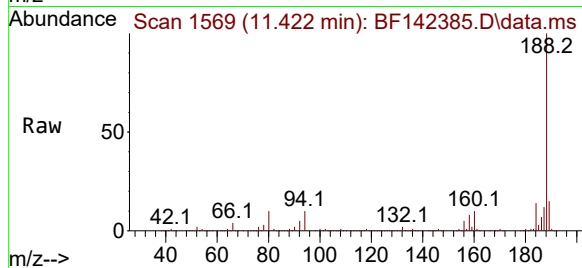
Tgt Ion:188 Resp: 726822

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

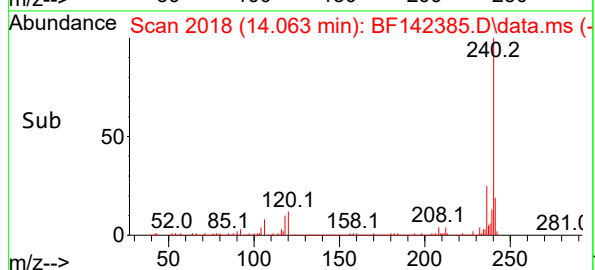
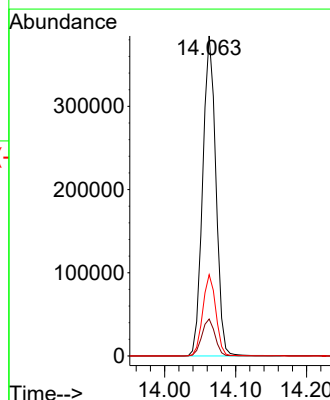
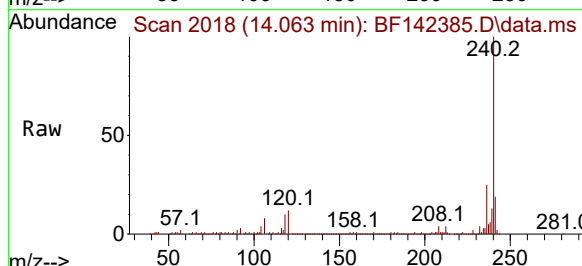
Tgt Ion:240 Resp: 497782

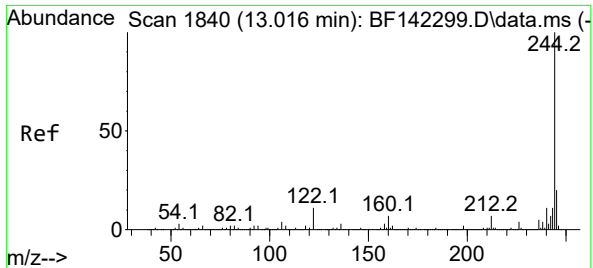
Ion Ratio Lower Upper

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# 1840

Delta R.T. 0.000 min

Lab File: BF142385.D

Acq: 15 May 2025 10:37

Instrument :

BNA_F

ClientSampleId :

PB167951BL

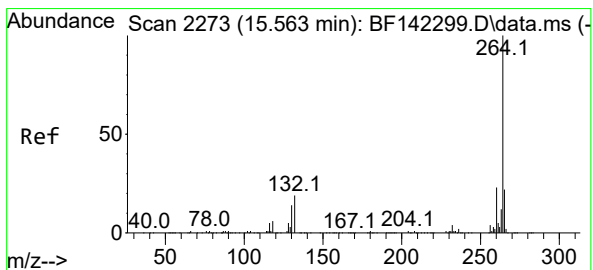
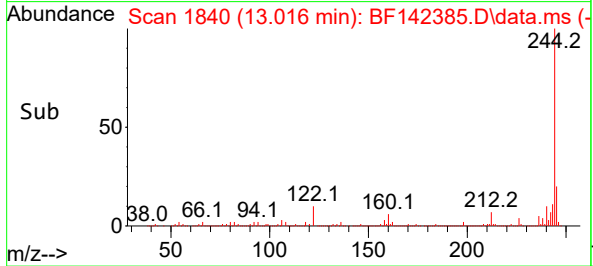
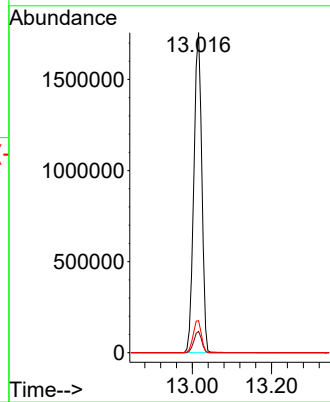
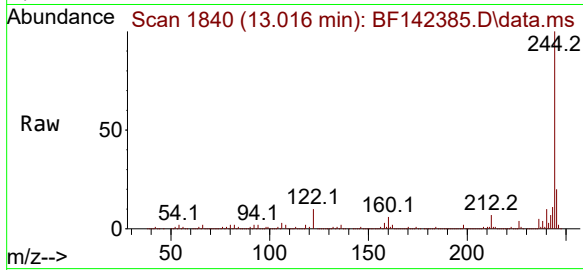
Tgt Ion:244 Resp: 2449976

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

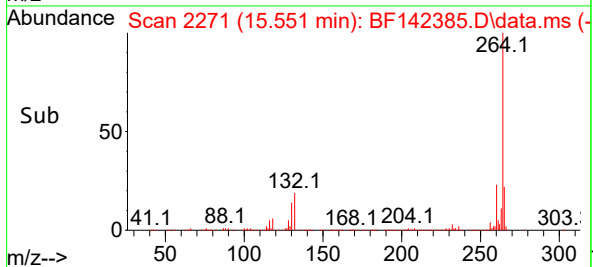
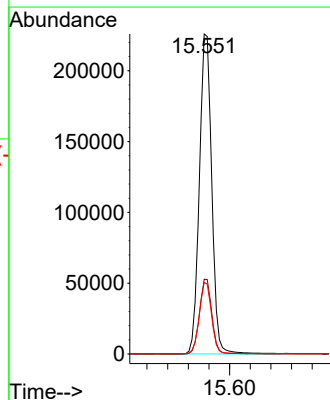
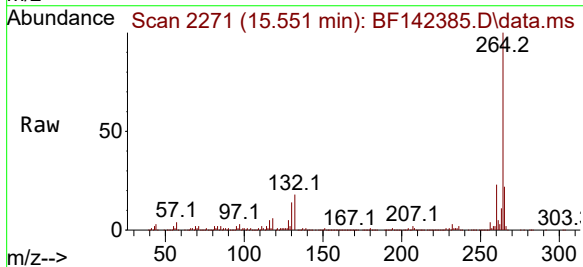
Tgt Ion:264 Resp: 375900

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%

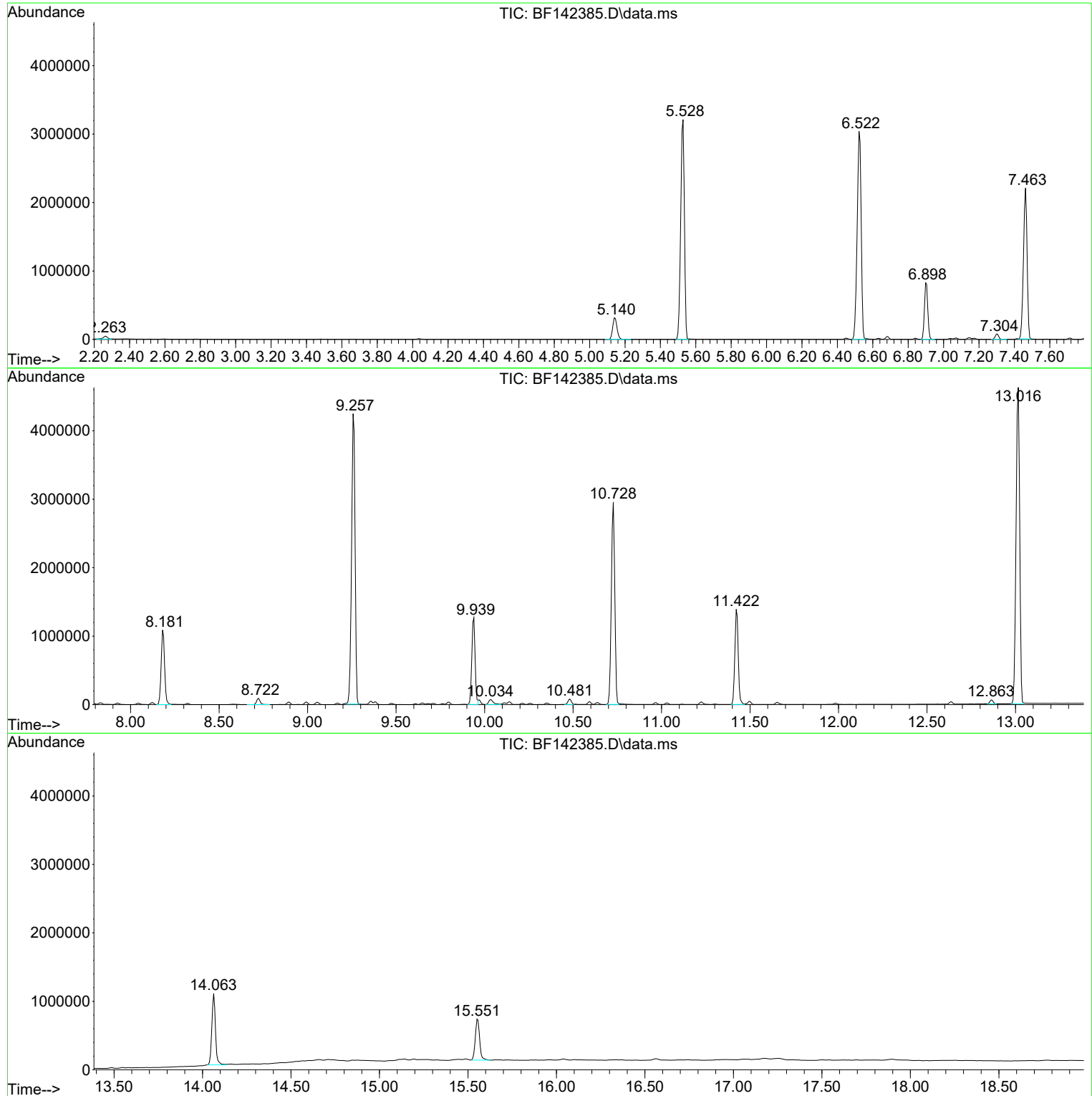
Sum of corrected areas: 38457136

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

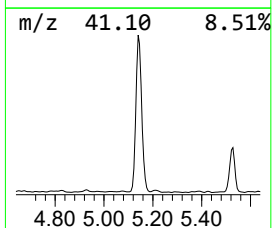
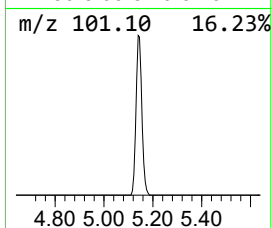
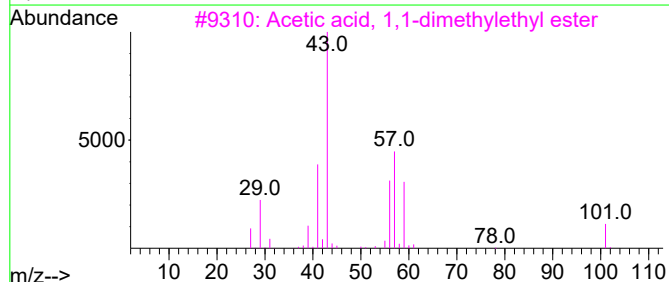
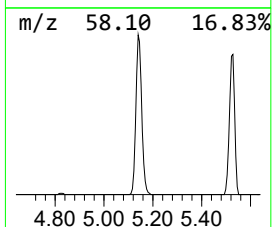
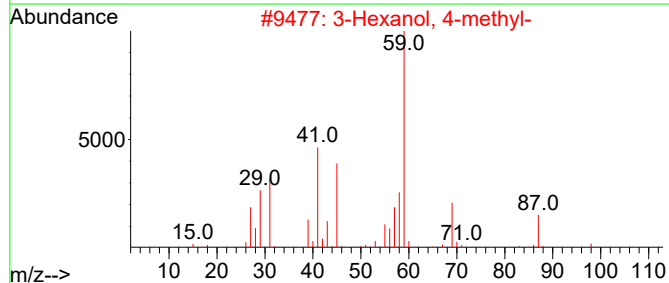
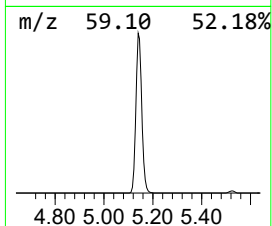
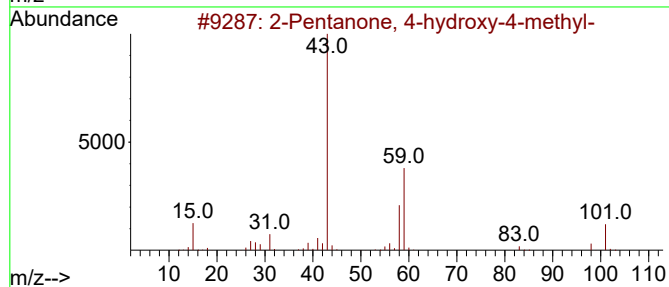
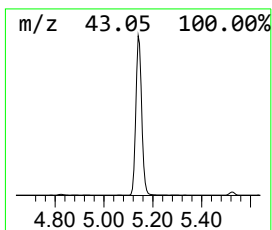
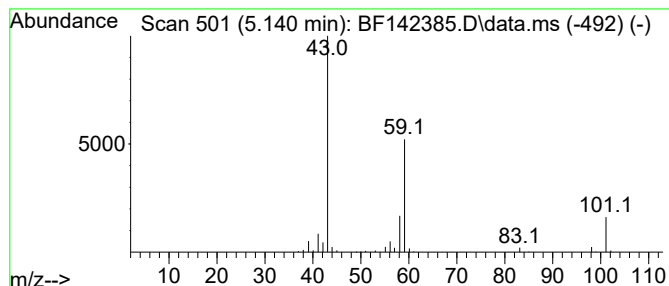
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

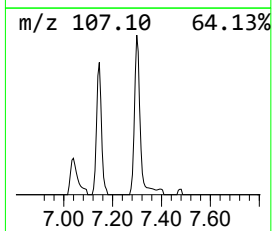
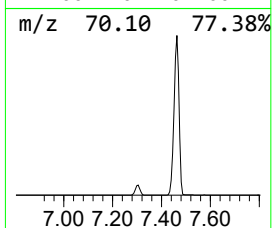
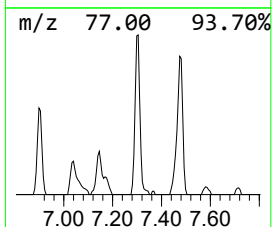
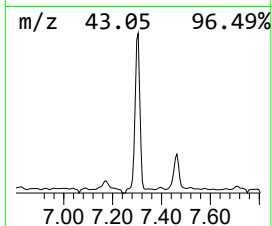
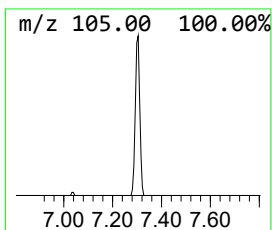
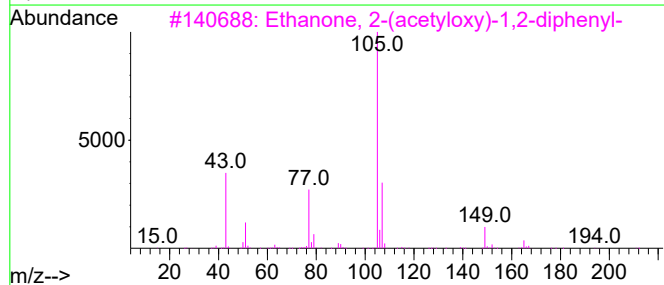
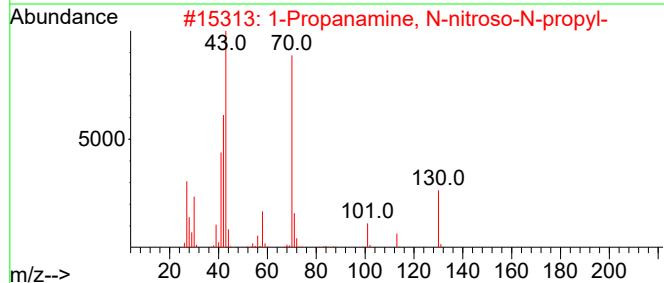
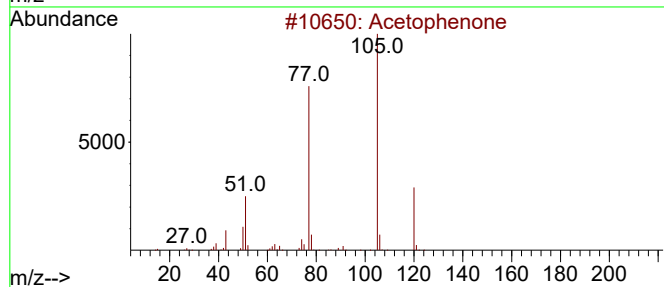
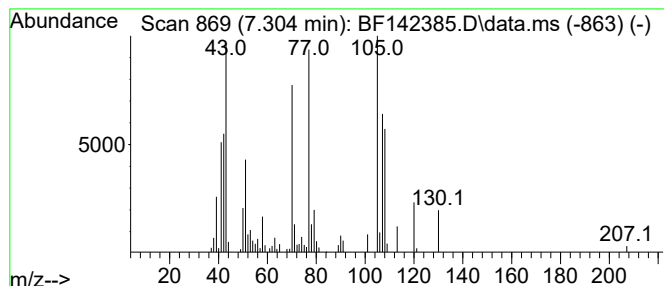
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	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

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

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

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

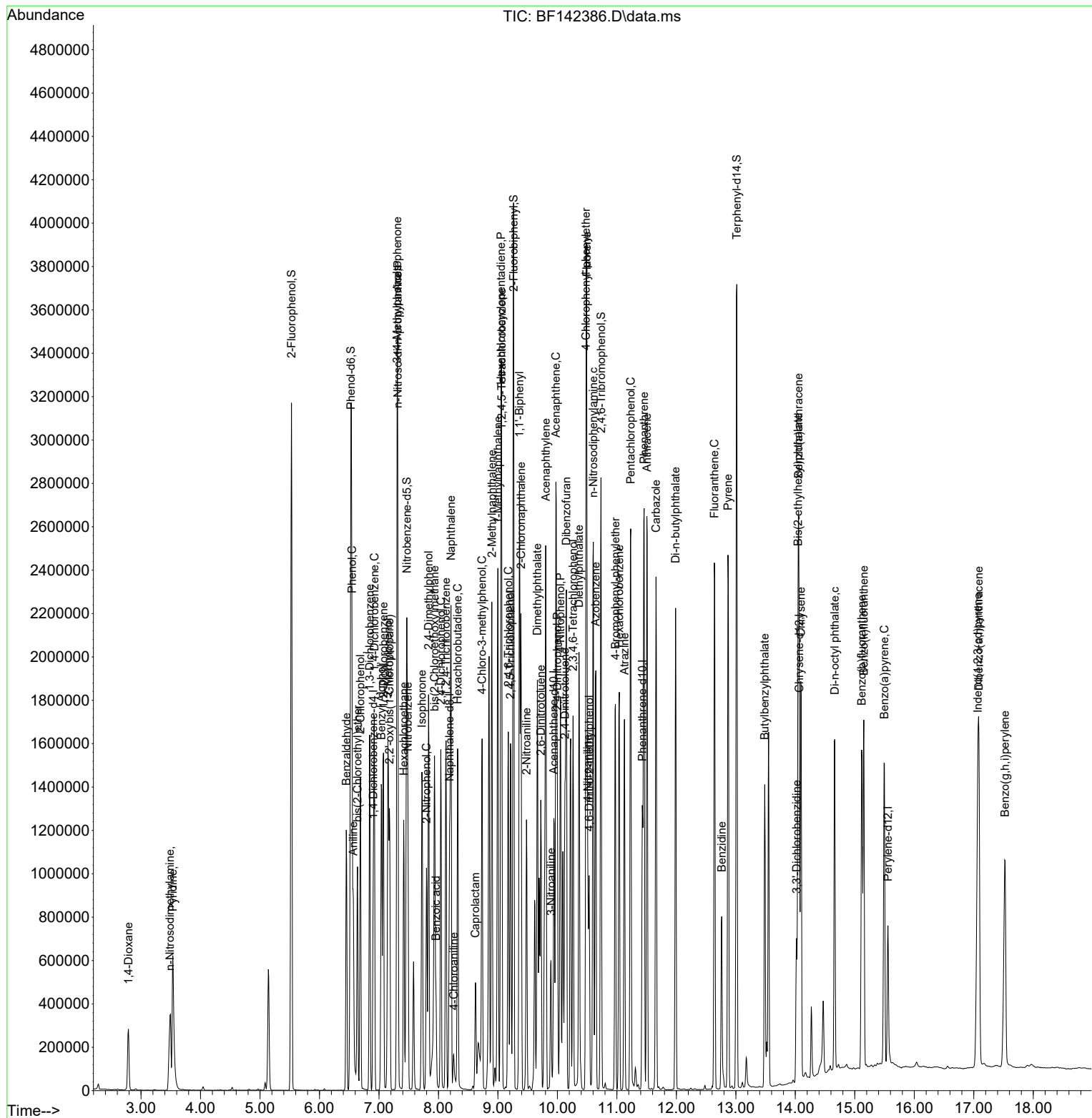
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	345379	47.199	ng	99
46) 1,1'-Biphenyl	9.363	154	1229160	41.065	ng	99
47) 2-Chloronaphthalene	9.386	162	916262	41.162	ng	100
48) 2-Nitroaniline	9.481	65	287593	50.405	ng	95
49) Acenaphthylene	9.804	152	1563555	41.988	ng	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

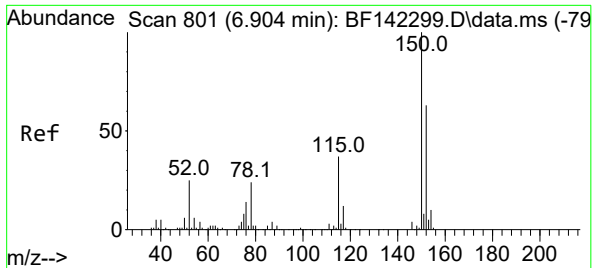
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

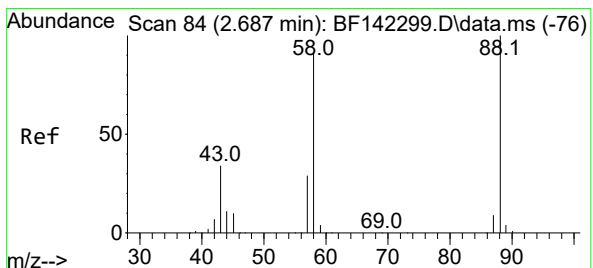
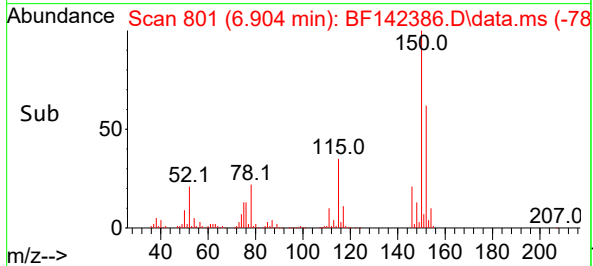
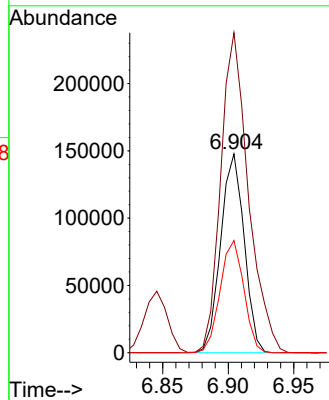
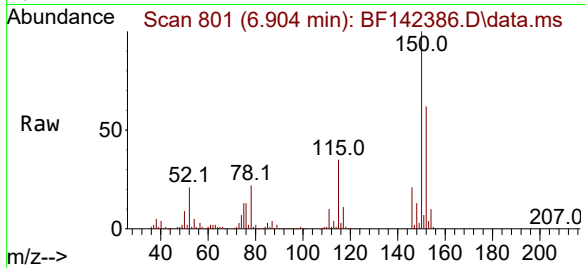




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

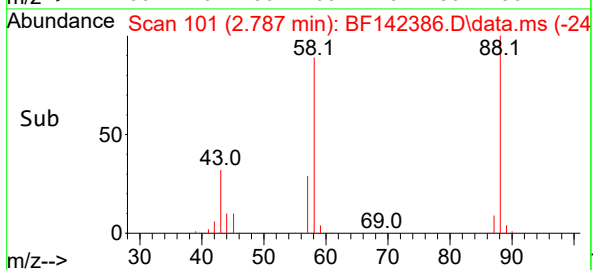
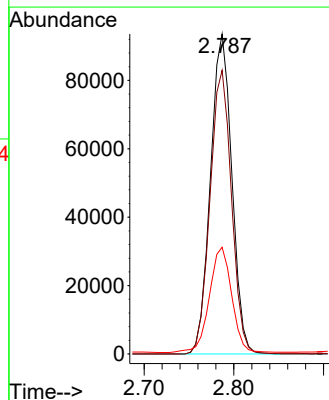
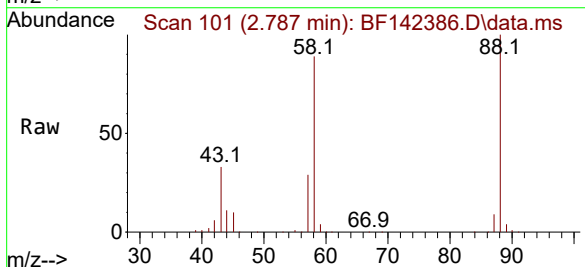
Instrument :
BNA_F
ClientSampleId :
PB167951BS

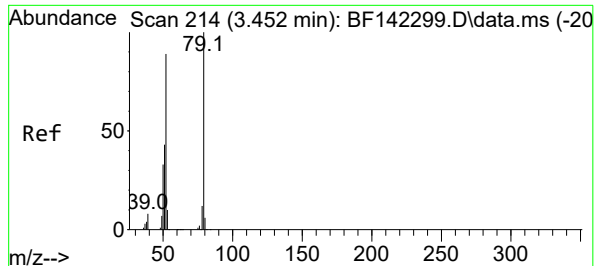
Tgt Ion:152 Resp: 183759
Ion Ratio Lower Upper
152 100
150 161.0 126.6 190.0
115 56.4 47.3 70.9



#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

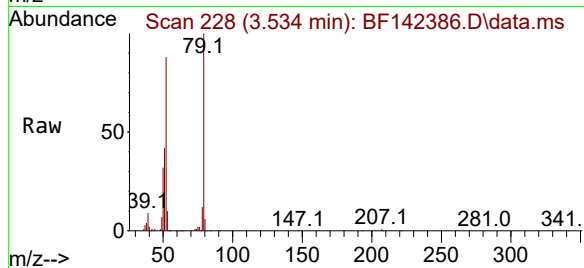
Tgt Ion: 88 Resp: 154852
Ion Ratio Lower Upper
88 100
58 88.9 73.0 109.4
43 34.5 27.8 41.6



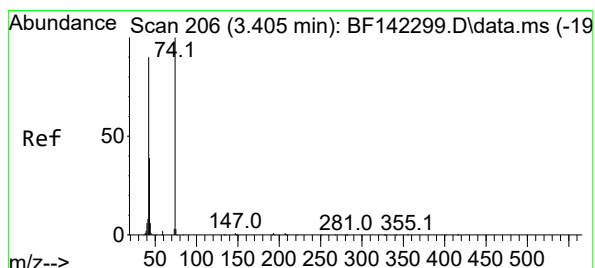
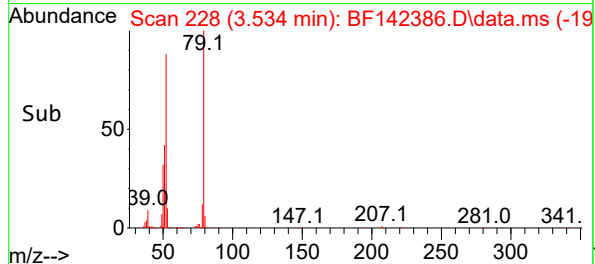
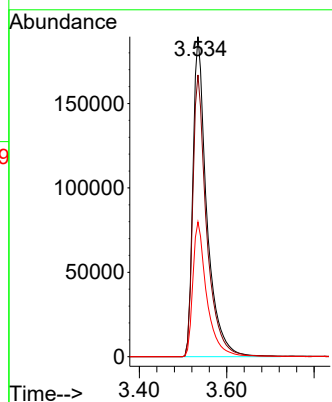


#3
Pyridine
Concen: 36.841 ng
RT: 3.534 min Scan# 214
Delta R.T. 0.082 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

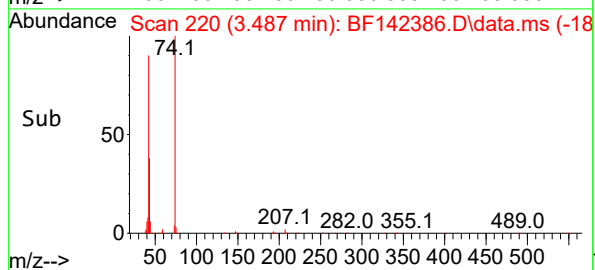
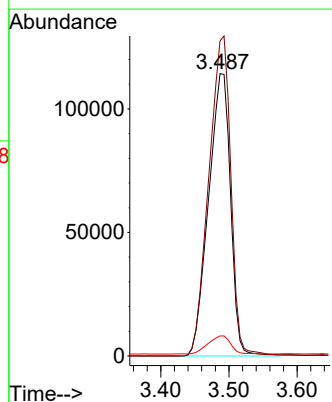
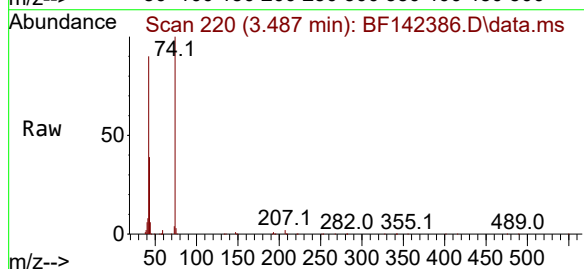


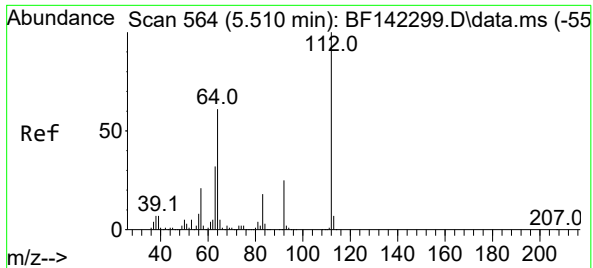
Tgt Ion: 79 Resp: 419284
Ion Ratio Lower Upper
79 100
52 88.0 71.0 106.4
51 42.1 34.9 52.3



#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

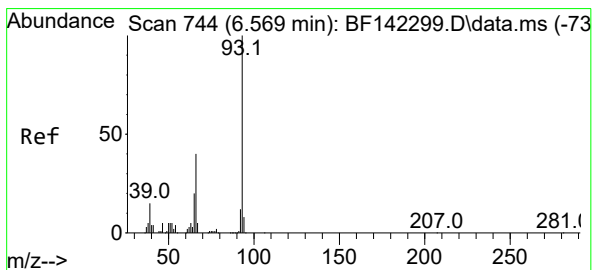
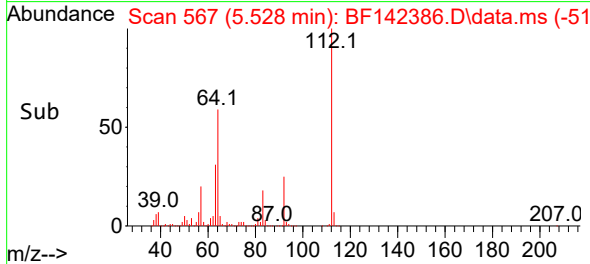
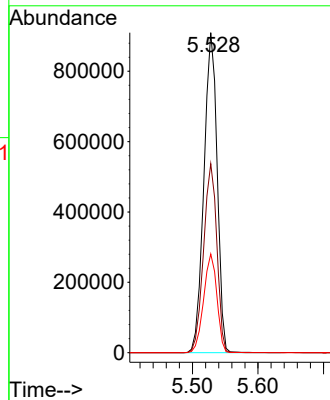
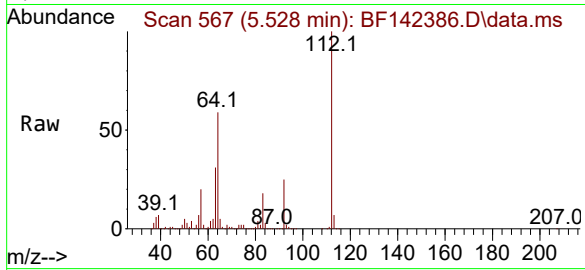




#5
2-Fluorophenol
Concen: 119.321 ng
RT: 5.528 min Scan# 501
Delta R.T. 0.018 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

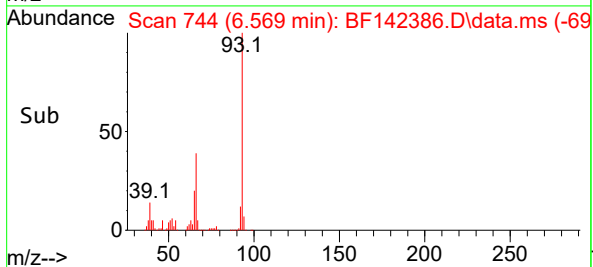
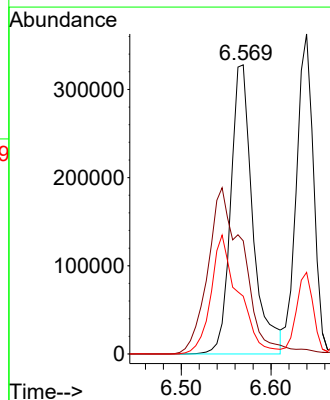
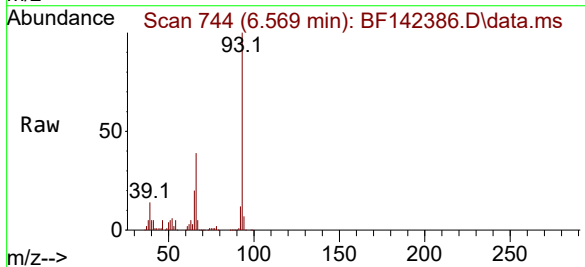
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BNA_F
ClientSampleId :
PB167951BS

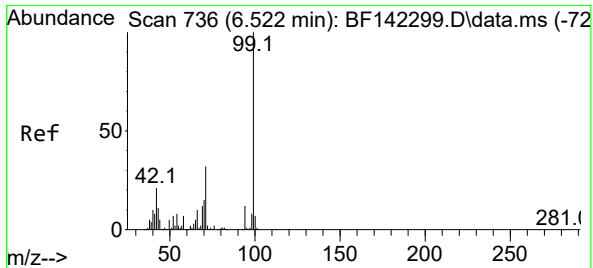
Tgt Ion:112 Resp: 1284437
Ion Ratio Lower Upper
112 100
64 59.1 48.9 73.3
63 30.8 25.6 38.4



#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

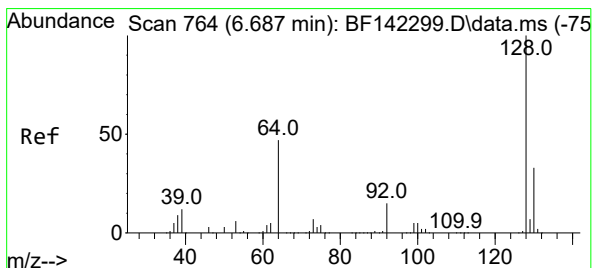
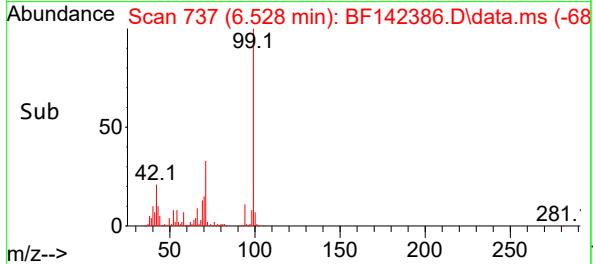
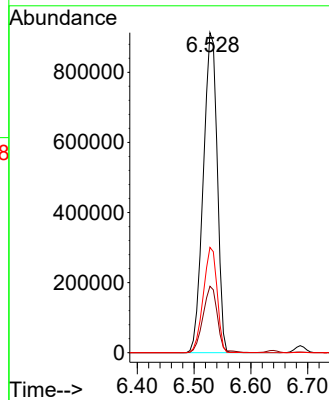
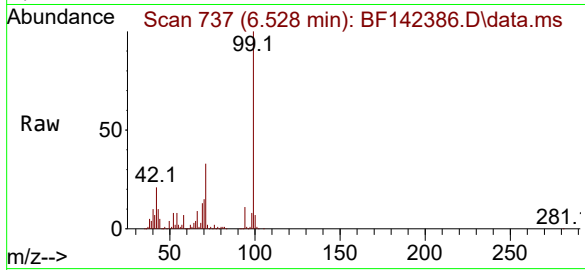




#7
Phenol-d6
Concen: 117.366 ng
RT: 6.528 min Scan# 736
Delta R.T. 0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

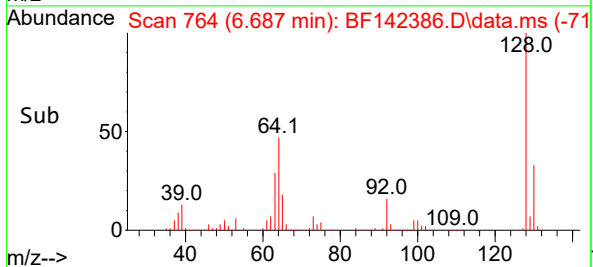
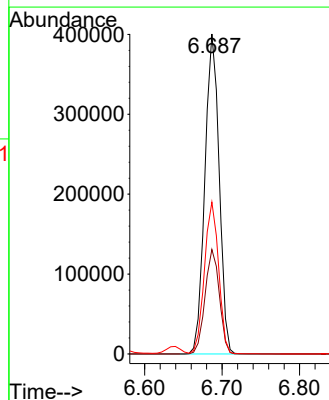
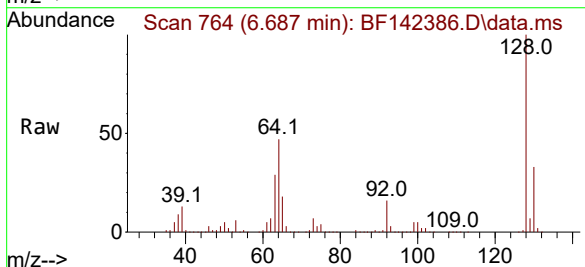
Instrument :
BNA_F
ClientSampleId :
PB167951BS

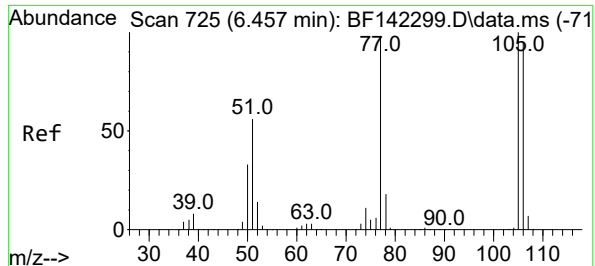
Tgt Ion: 99 Resp: 1553880
Ion Ratio Lower Upper
99 100
42 20.8 17.0 25.4
71 32.9 25.8 38.8



#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# 71

Delta R.T. -0.006 min

Lab File: BF142386.D

Acq: 15 May 2025 11:06

Instrument :

BNA_F

ClientSampleId :

PB167951BS

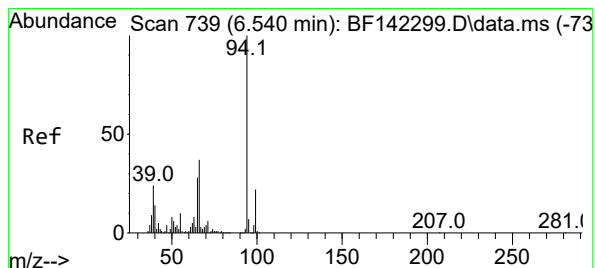
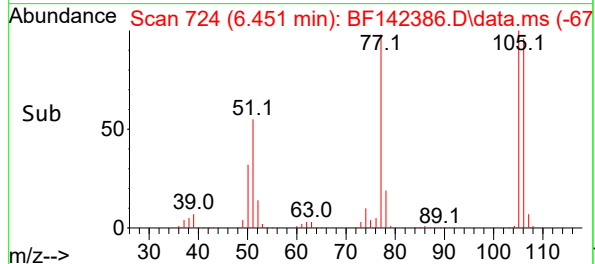
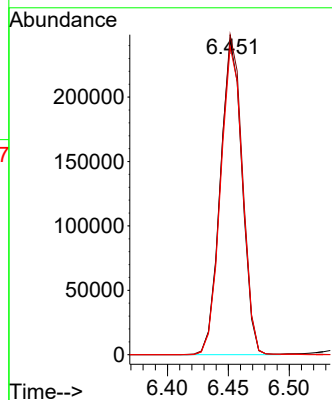
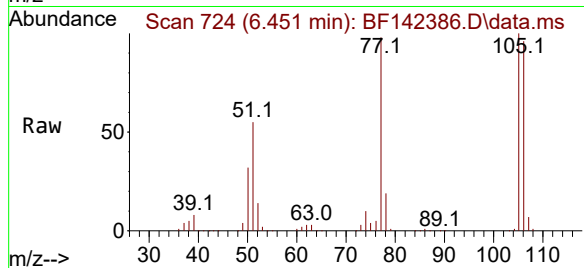
Tgt Ion: 77 Resp: 303883

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

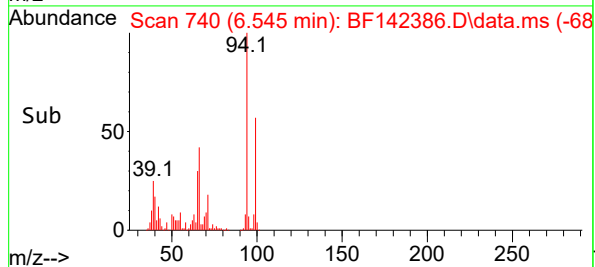
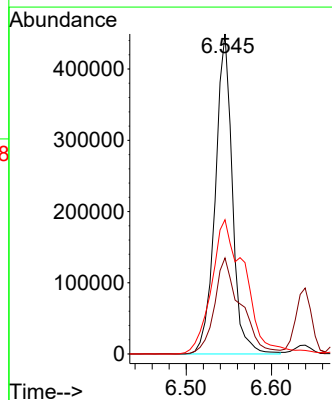
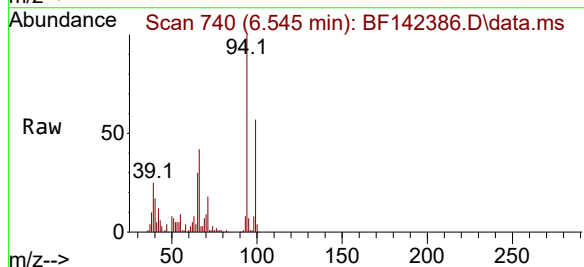
Tgt Ion: 94 Resp: 624910

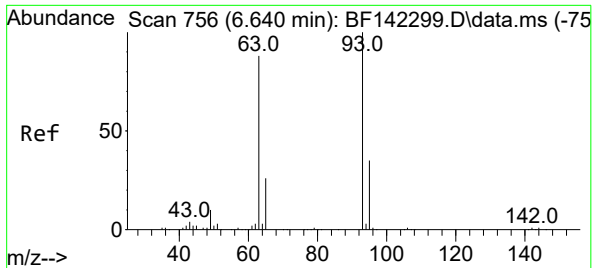
Ion Ratio Lower Upper

94 100

65 30.0 8.5 48.5

66 42.0 17.3 57.3

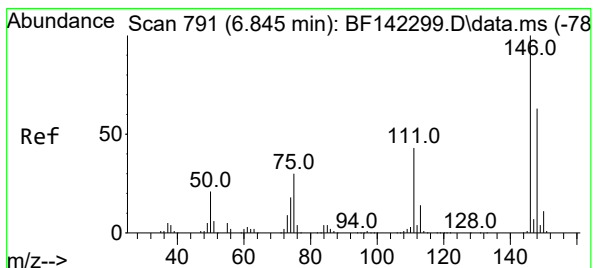
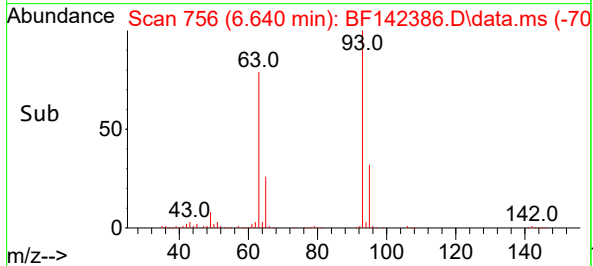
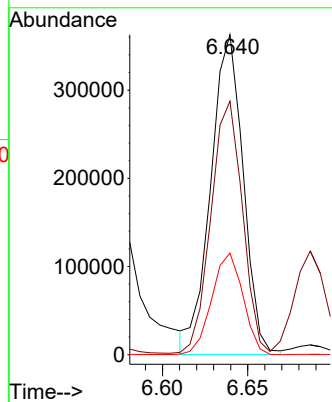
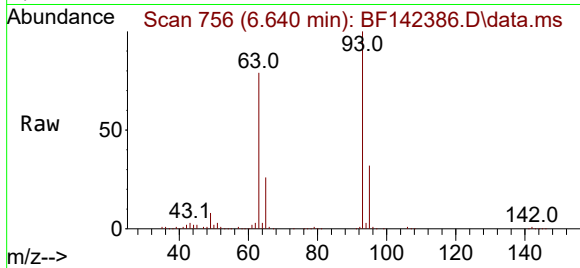




#11
bis(2-Chloroethyl)ether
Concen: 34.740 ng
RT: 6.640 min Scan# 756
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

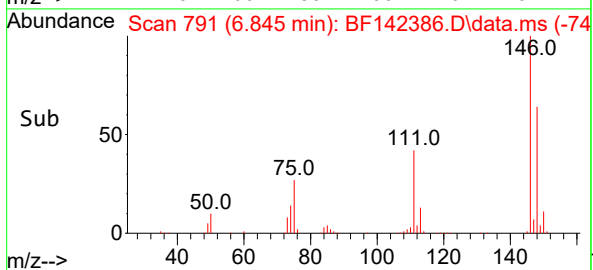
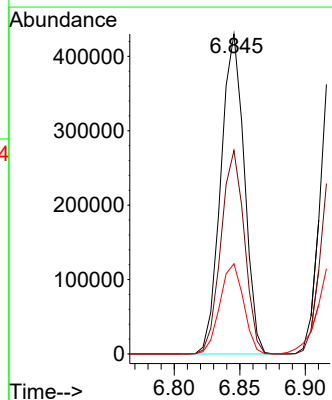
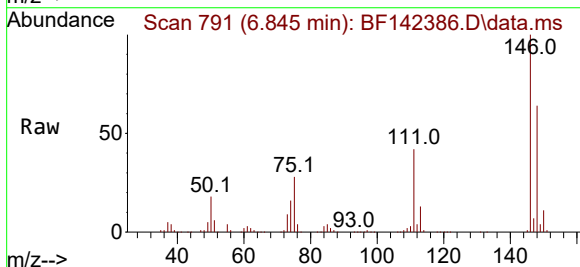
Instrument :
BNA_F
ClientSampleId :
PB167951BS

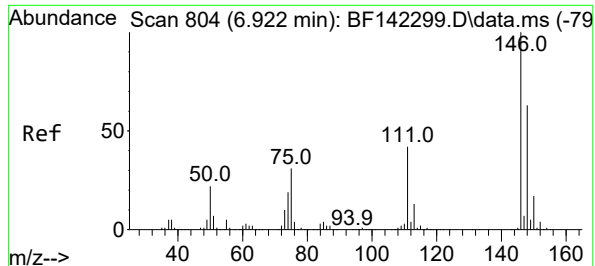
Tgt Ion: 93 Resp: 480788
Ion Ratio Lower Upper
93 100
63 79.3 58.4 98.4
95 31.8 10.6 50.6



#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# 80

Delta R.T. -0.000 min

Lab File: BF142386.D

Acq: 15 May 2025 11:06

Instrument :

BNA_F

ClientSampleId :

PB167951BS

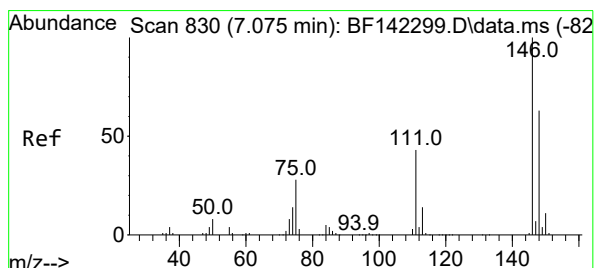
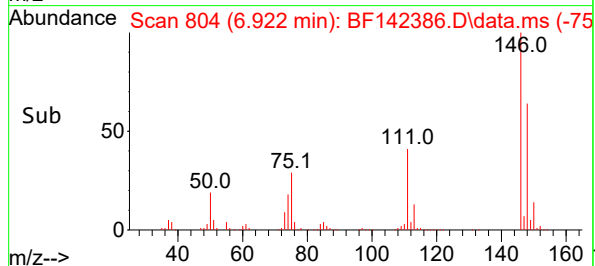
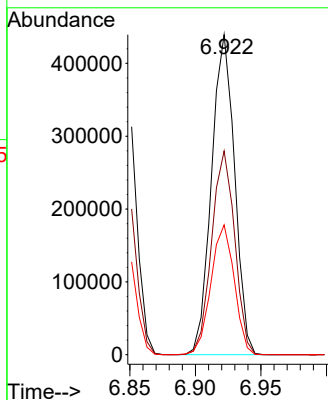
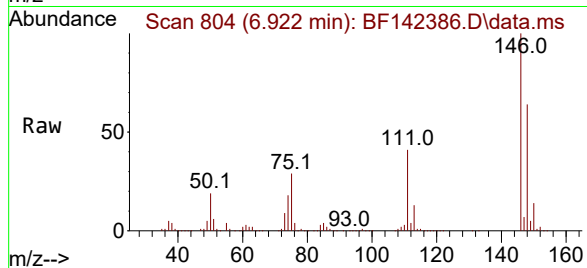
Tgt Ion:146 Resp: 537927

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

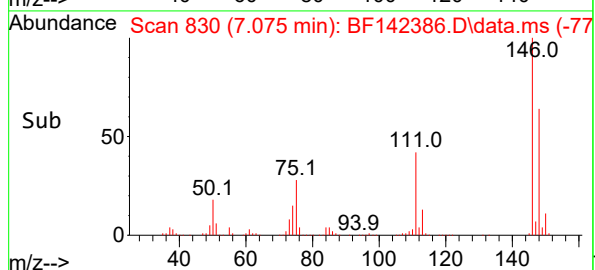
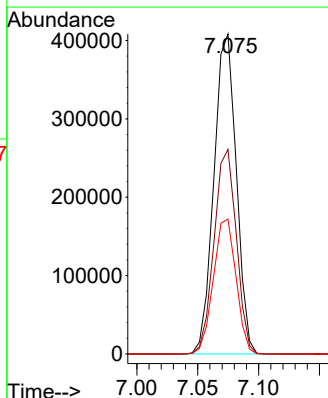
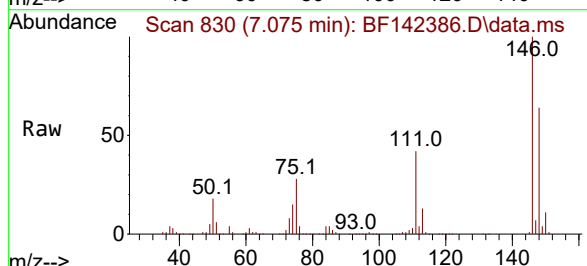
Tgt Ion:146 Resp: 523399

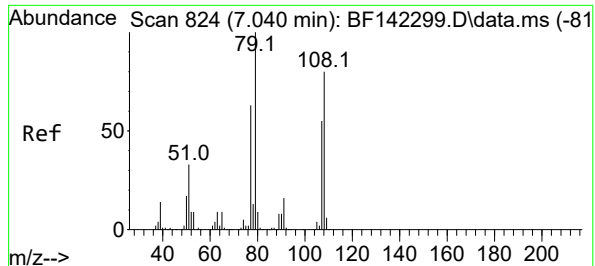
Ion Ratio Lower Upper

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# 81

Delta R.T. -0.000 min

Lab File: BF142386.D

Acq: 15 May 2025 11:06

Instrument :

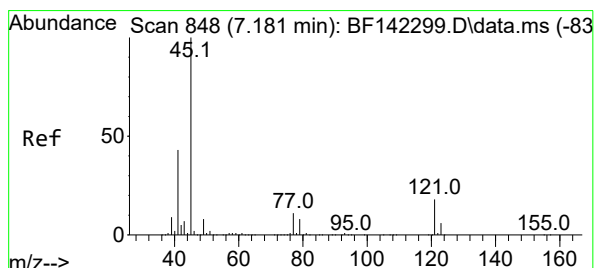
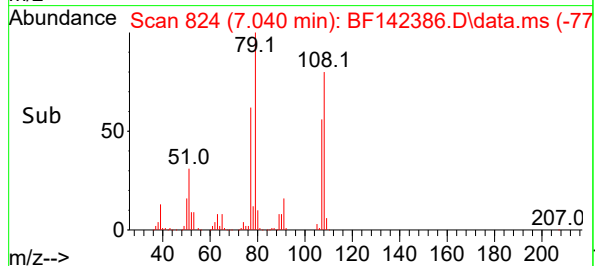
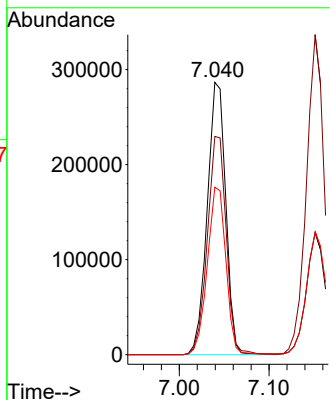
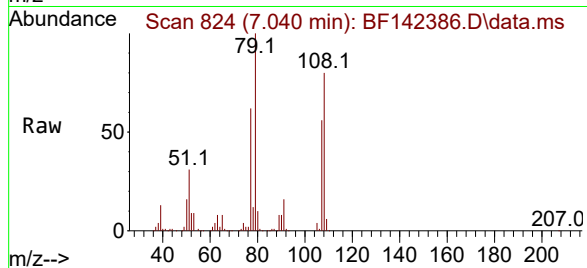
BNA_F

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

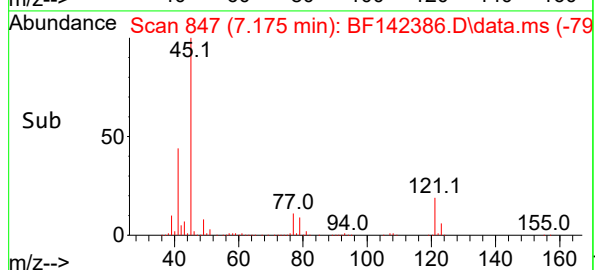
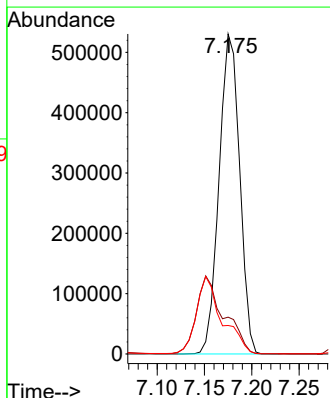
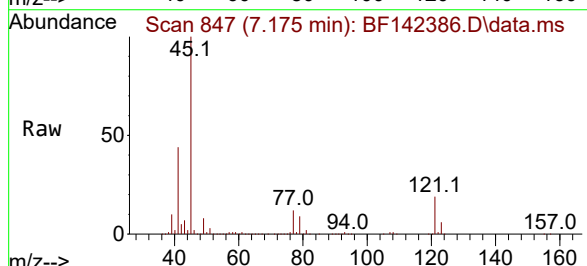
Delta R.T. -0.006 min

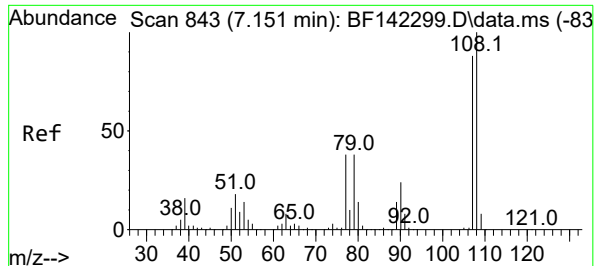
Lab File: BF142386.D

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

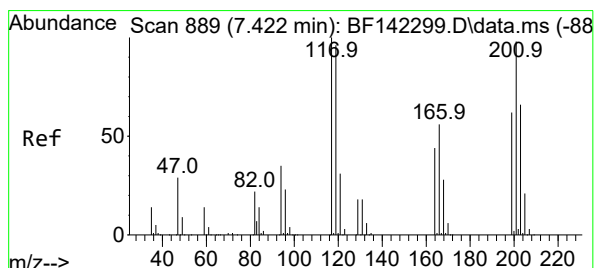
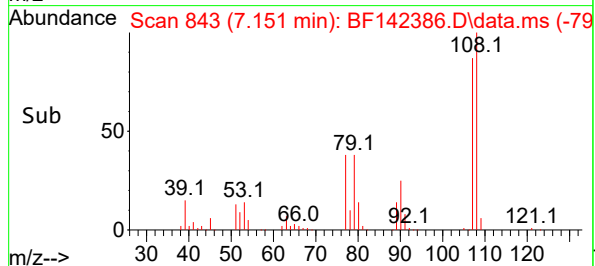
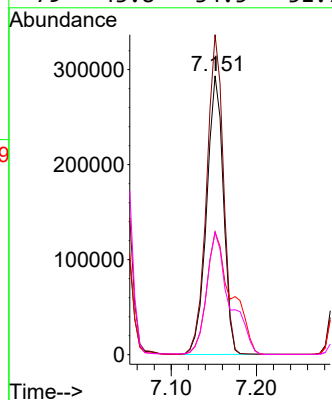
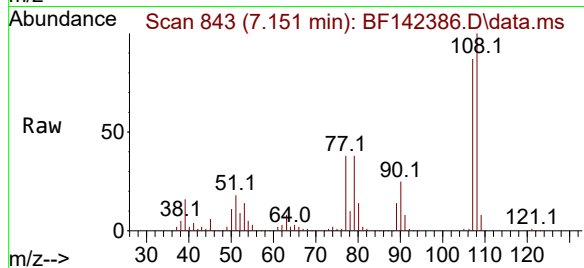




#17
2-Methylphenol
Concen: 43.038 ng
RT: 7.151 min Scan# 843
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

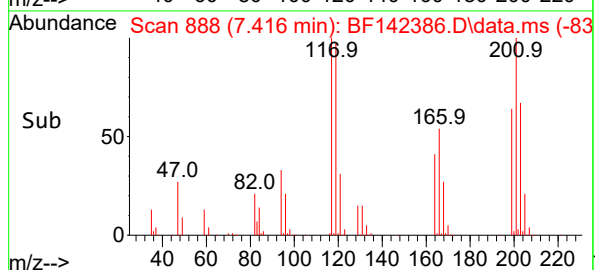
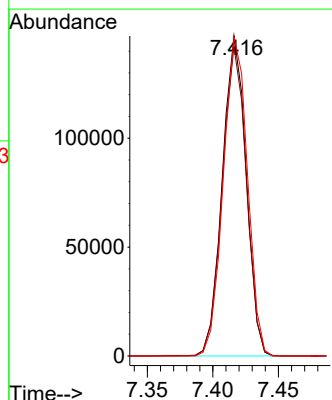
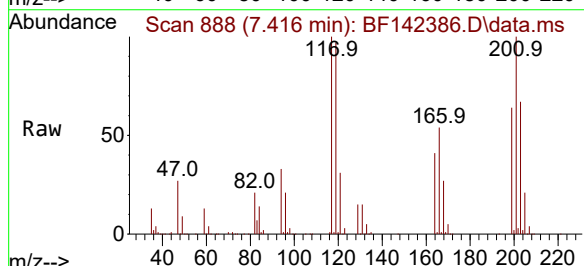
Instrument :
BNA_F
ClientSampleId :
PB167951BS

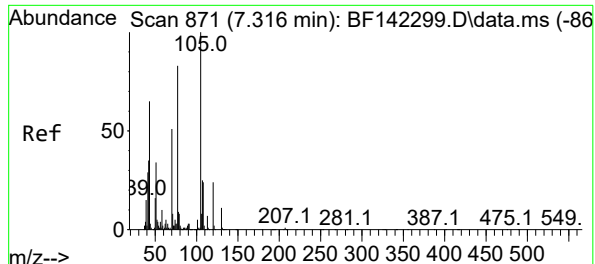
Tgt Ion:107 Resp: 400813
Ion Ratio Lower Upper
107 100
108 114.8 91.1 136.7
77 44.1 34.7 52.1
79 43.8 34.5 51.7



#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# 871

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

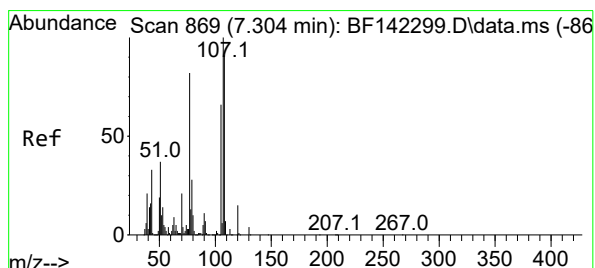
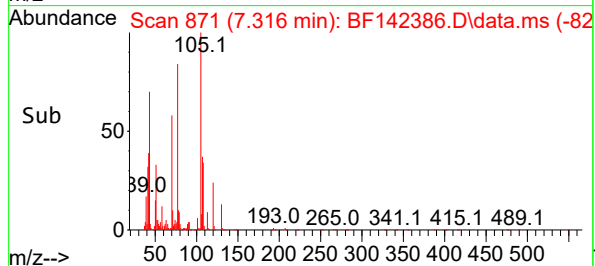
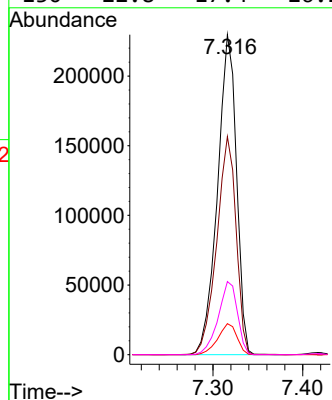
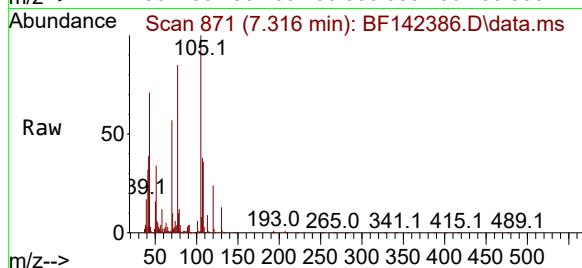
Ion Ratio Lower Upper

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

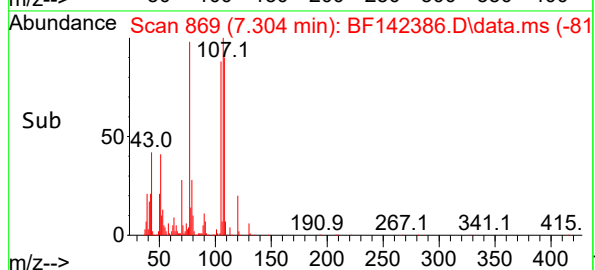
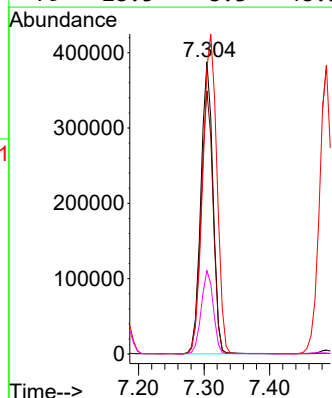
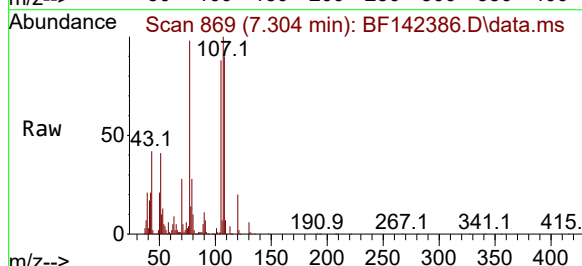
Ion Ratio Lower Upper

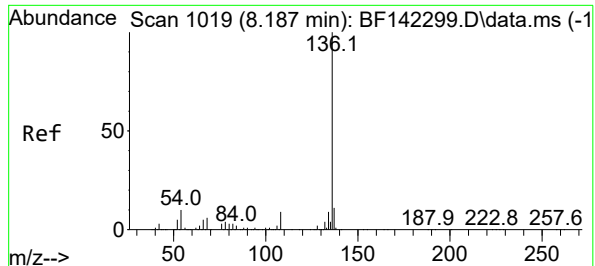
107 100

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# 1019

Delta R.T. -0.000 min

Lab File: BF142386.D

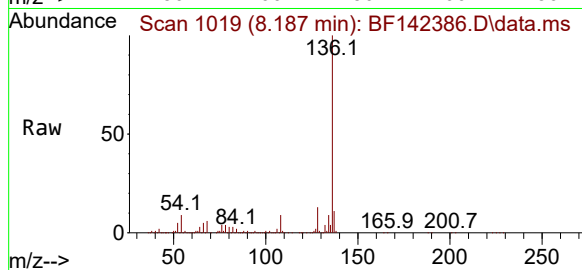
Acq: 15 May 2025 11:06

Instrument :

BNA_F

ClientSampleId :

PB167951BS



Tgt Ion:136 Resp: 709461

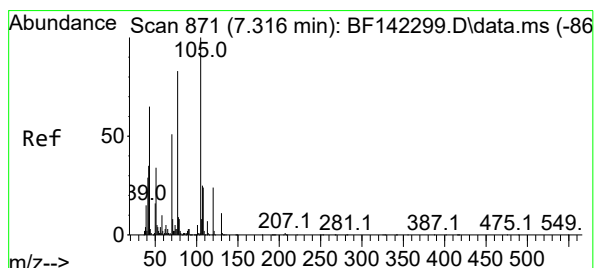
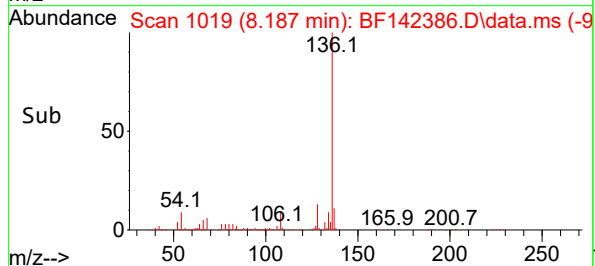
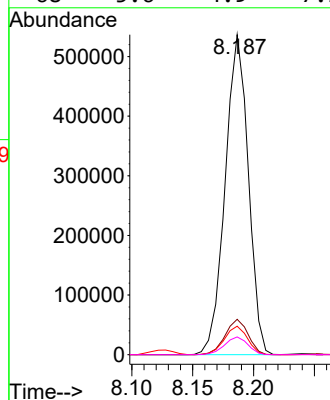
Ion Ratio Lower Upper

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

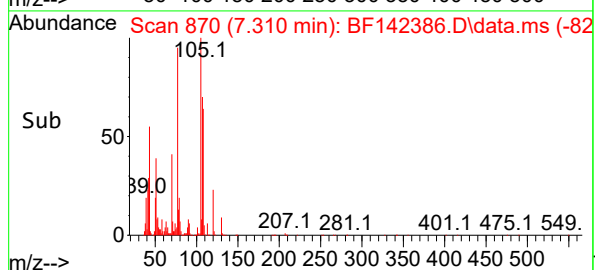
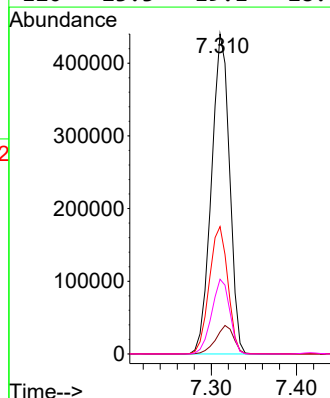
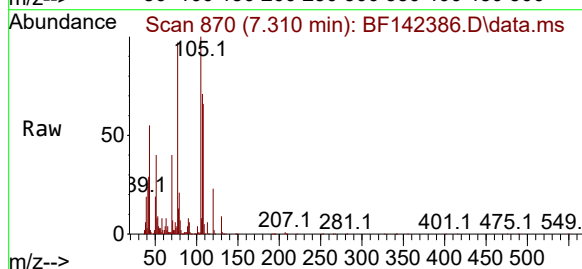
Ion Ratio Lower Upper

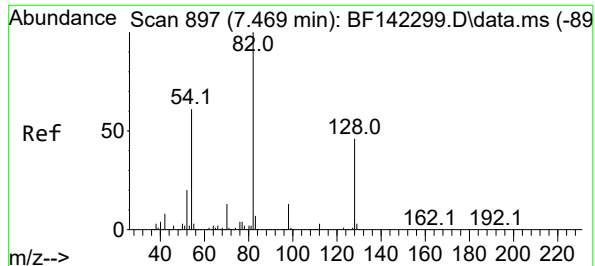
105 100

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# 897

Delta R.T. -0.000 min

Lab File: BF142386.D

Acq: 15 May 2025 11:06

Instrument :

BNA_F

ClientSampleId :

PB167951BS

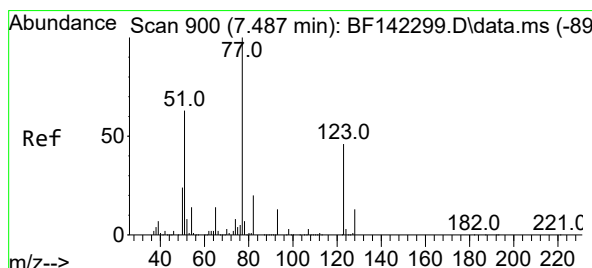
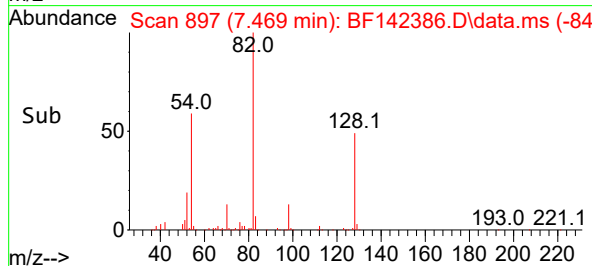
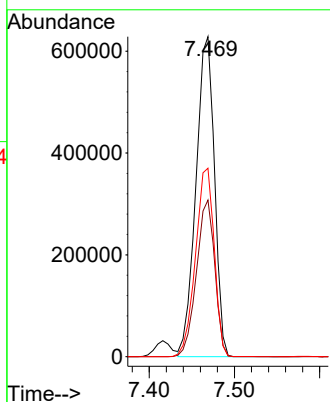
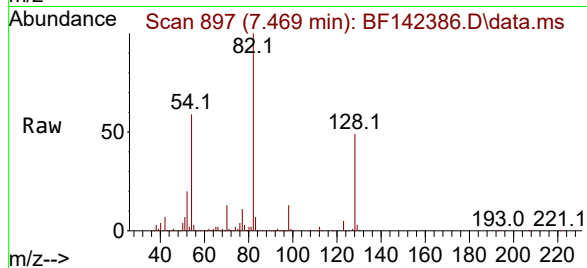
Tgt Ion: 82 Resp: 948826

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

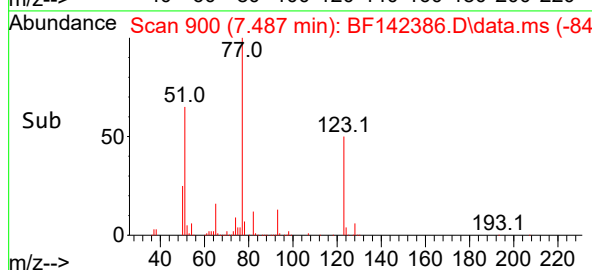
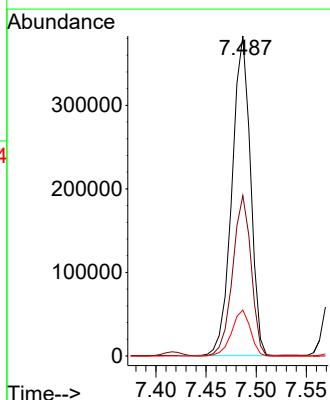
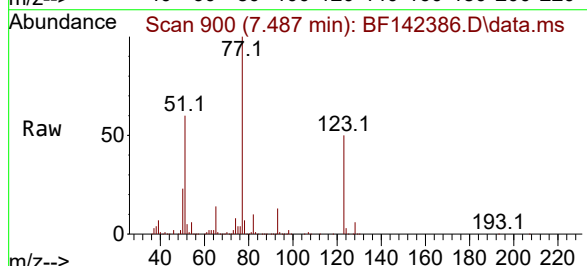
Tgt Ion: 77 Resp: 492634

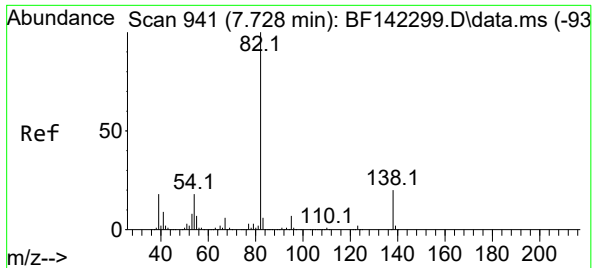
Ion Ratio Lower Upper

77 100

123 50.1 37.8 56.8

65 14.4 11.4 17.0

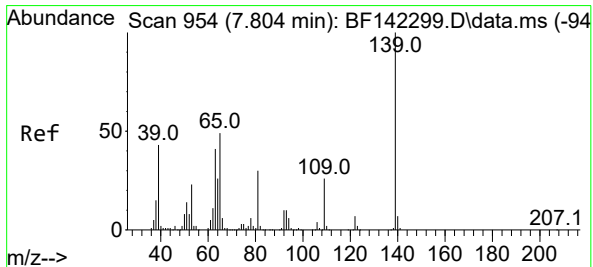
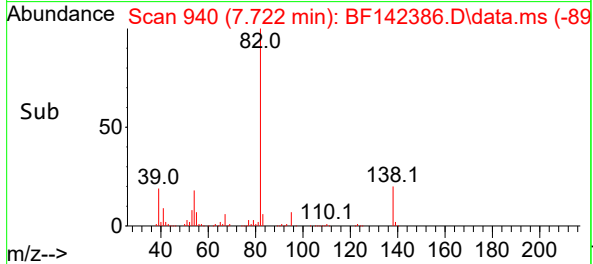
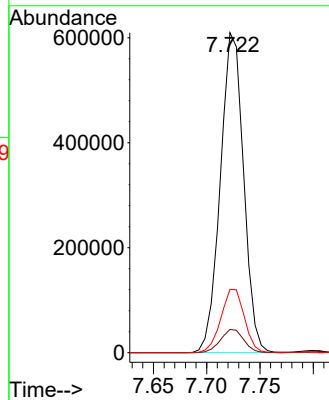
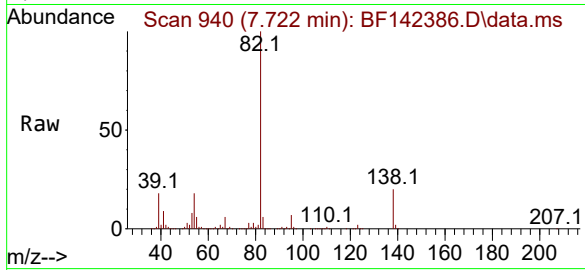




#25
Isophorone
Concen: 41.969 ng
RT: 7.722 min Scan# 941
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

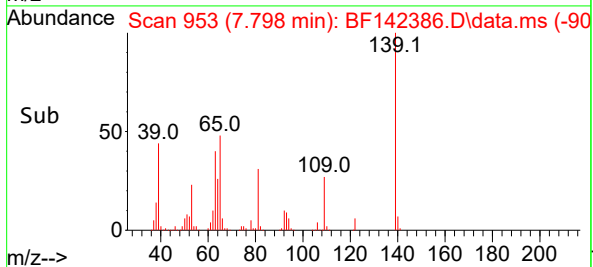
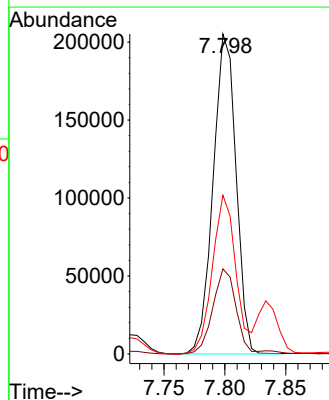
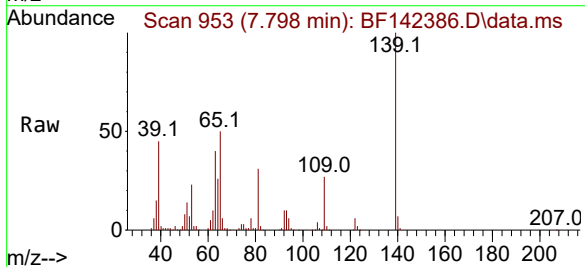
Instrument :
BNA_F
ClientSampleId :
PB167951BS

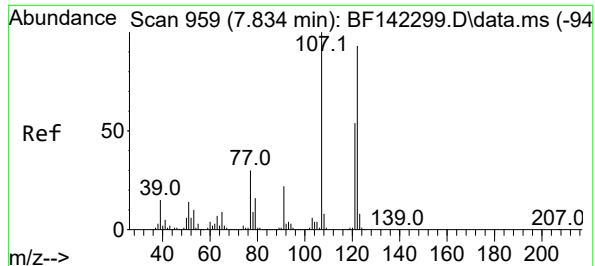
Tgt Ion: 82 Resp: 924519
Ion Ratio Lower Upper
82 100
95 7.3 5.8 8.8
138 19.8 16.1 24.1



#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# 91

Delta R.T. -0.000 min

Lab File: BF142386.D

Acq: 15 May 2025 11:06

Instrument :

BNA_F

ClientSampleId :

PB167951BS

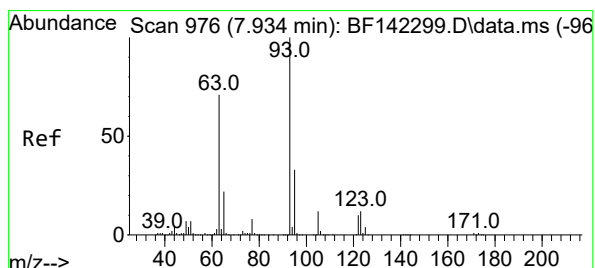
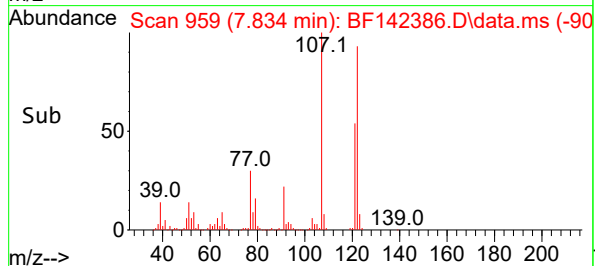
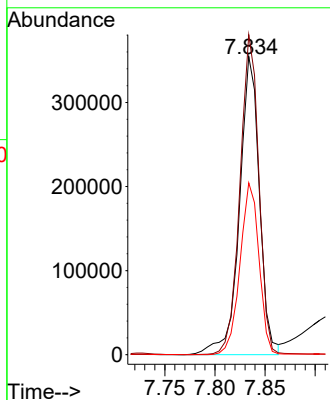
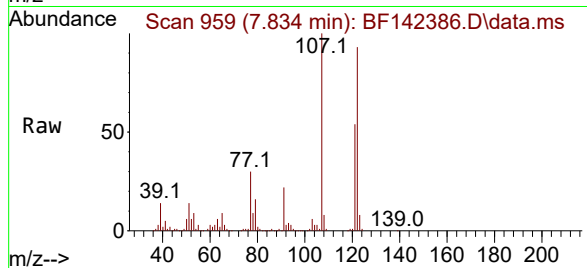
Tgt Ion:122 Resp: 491276

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

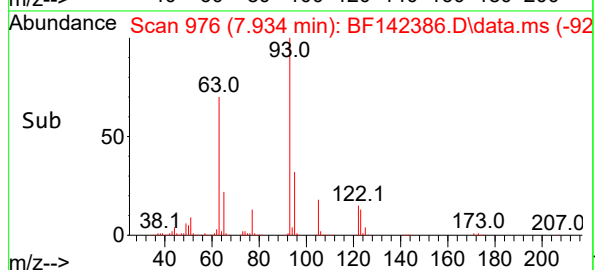
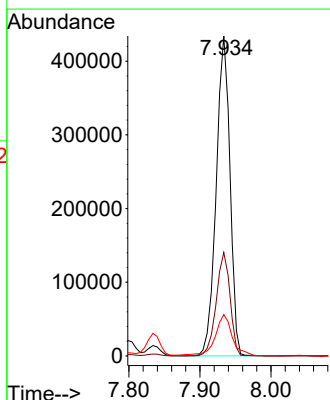
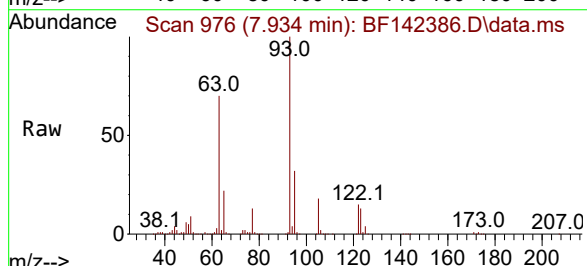
Tgt Ion: 93 Resp: 581272

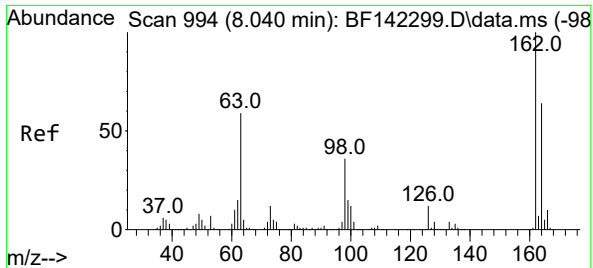
Ion Ratio Lower Upper

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# 994

Delta R.T. -0.000 min

Lab File: BF142386.D

Acq: 15 May 2025 11:06

Instrument :

BNA_F

ClientSampleId :

PB167951BS

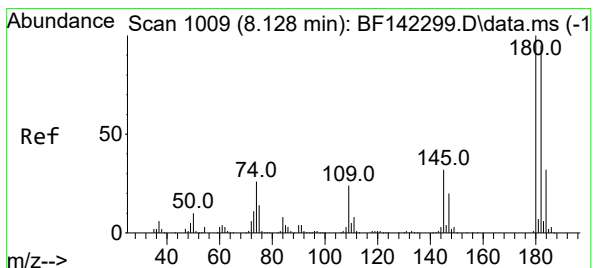
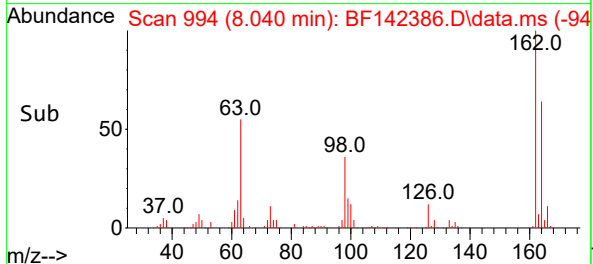
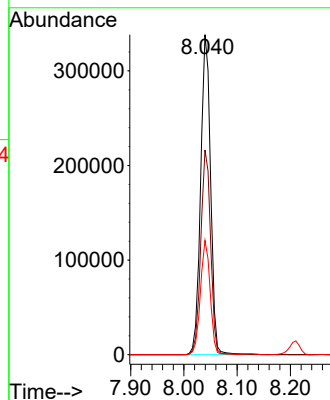
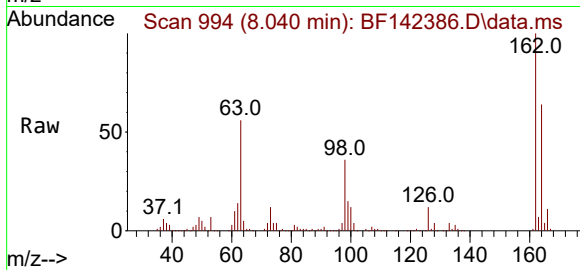
Tgt Ion:162 Resp: 438536

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

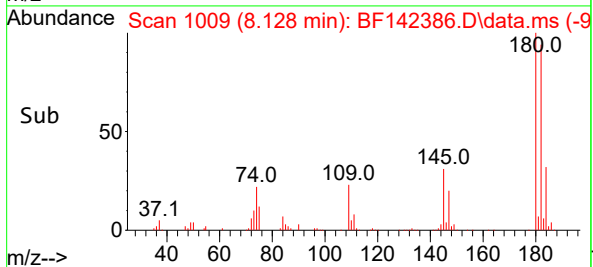
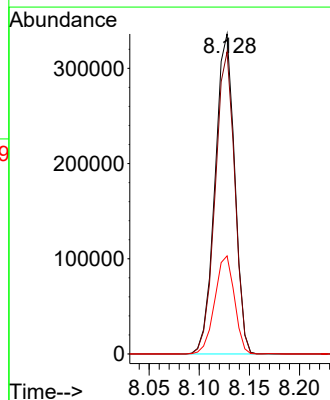
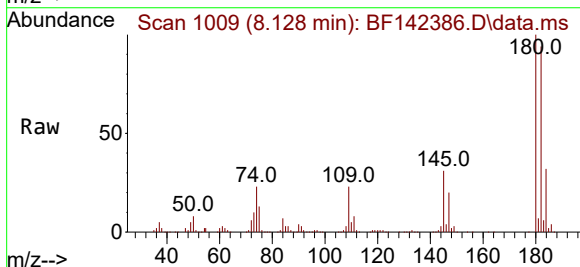
Tgt Ion:180 Resp: 456485

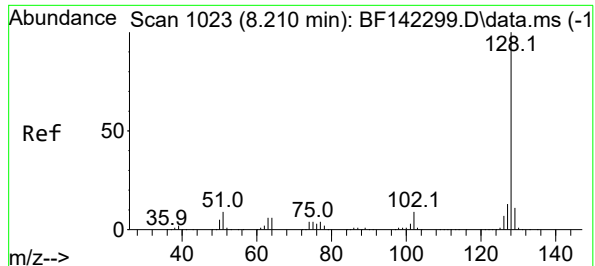
Ion Ratio Lower Upper

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# 10

Delta R.T. -0.000 min

Lab File: BF142386.D

Acq: 15 May 2025 11:06

Instrument :

BNA_F

ClientSampleId :

PB167951BS

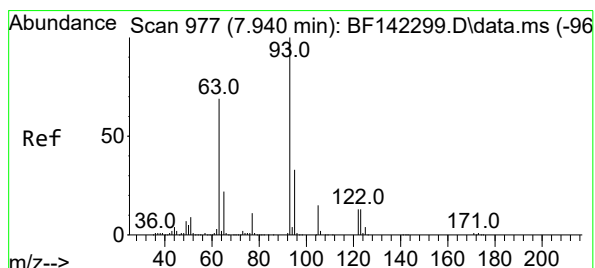
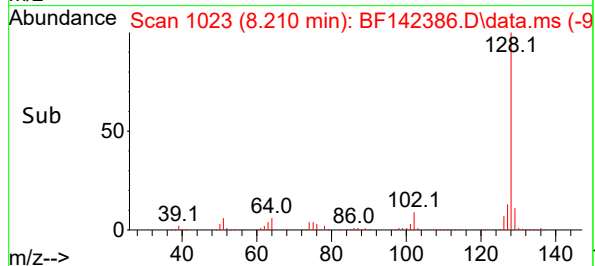
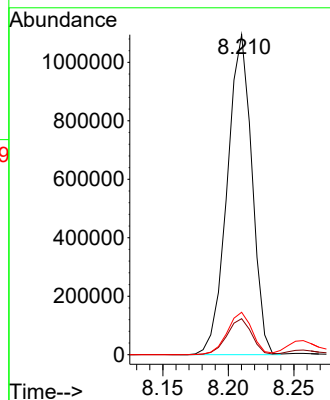
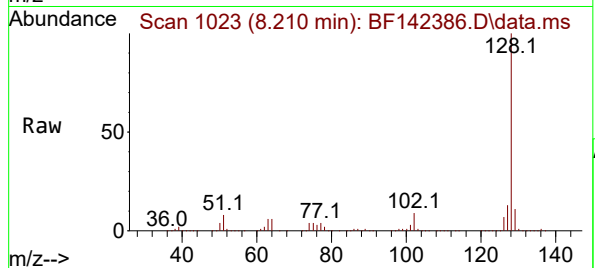
Tgt Ion:128 Resp: 1435630

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

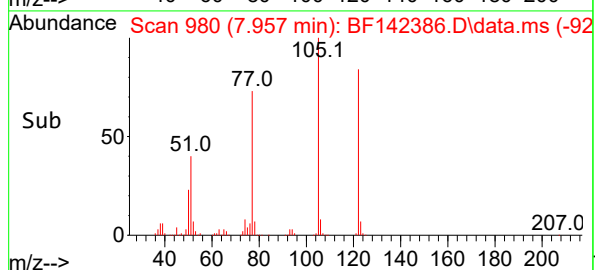
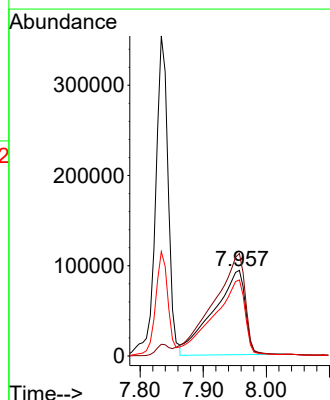
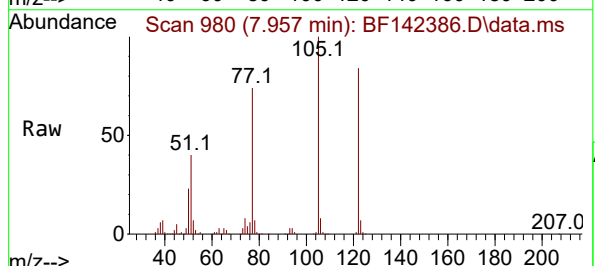
Tgt Ion:122 Resp: 327035

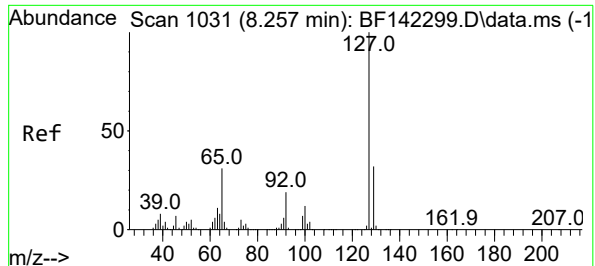
Ion Ratio Lower Upper

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# 1031

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

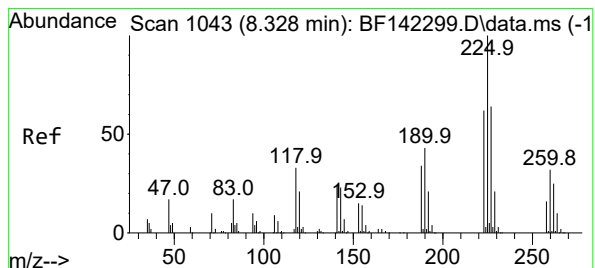
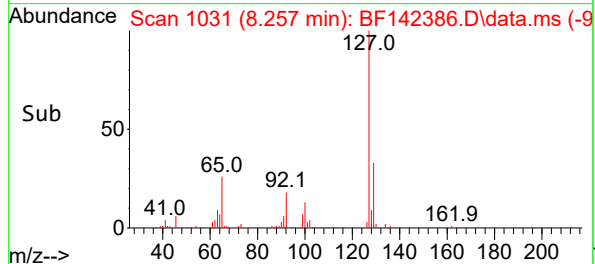
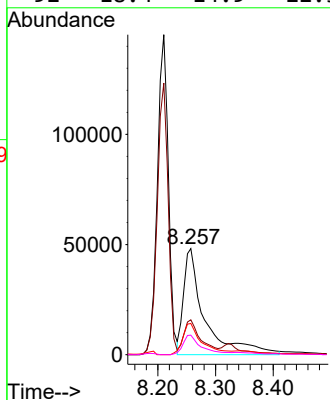
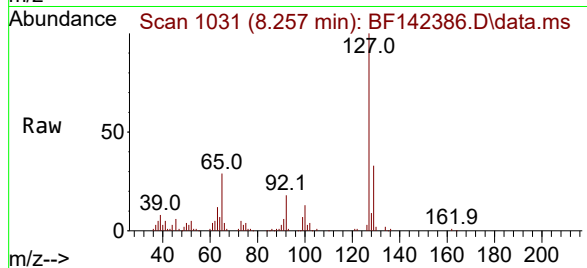
Ion Ratio Lower Upper

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

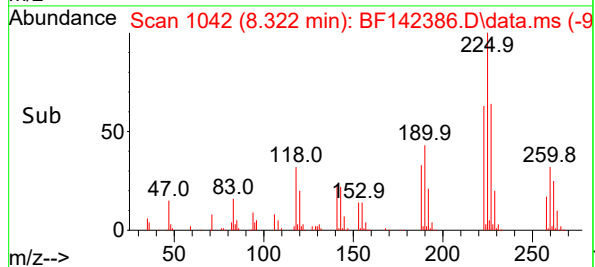
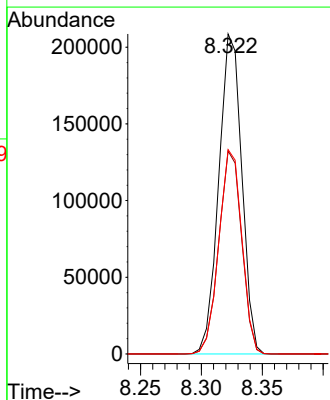
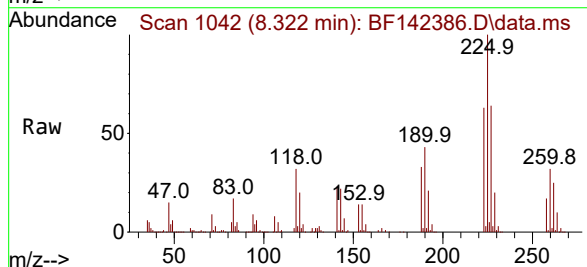
Tgt Ion:225 Resp: 273992

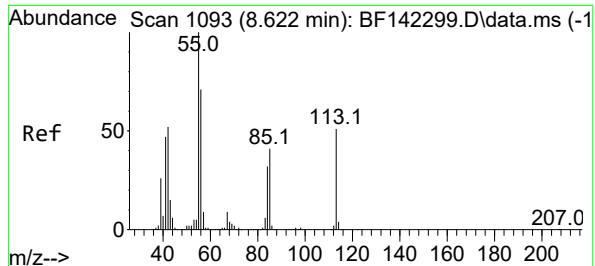
Ion Ratio Lower Upper

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# 1109

Delta R.T. -0.000 min

Lab File: BF142386.D

Acq: 15 May 2025 11:06

Instrument :

BNA_F

ClientSampleId :

PB167951BS

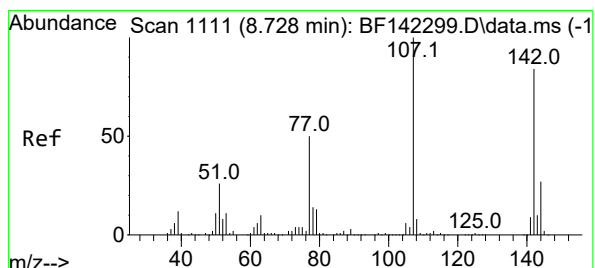
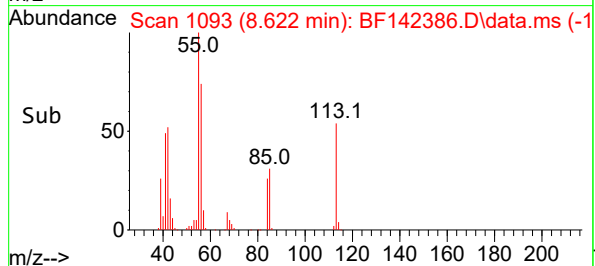
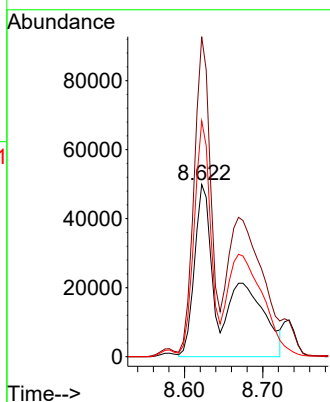
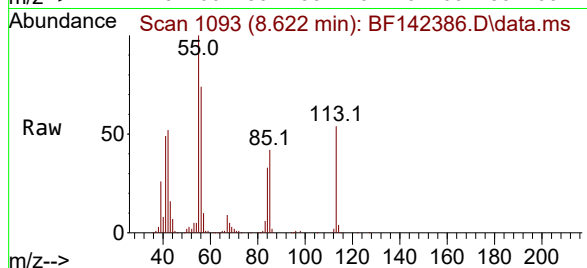
Tgt Ion:113 Resp: 141106

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

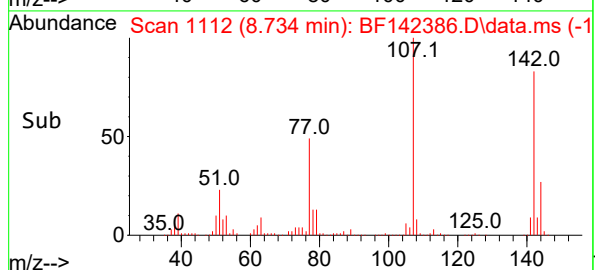
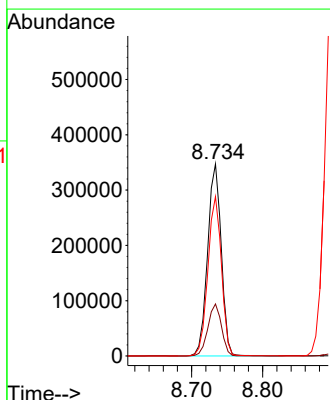
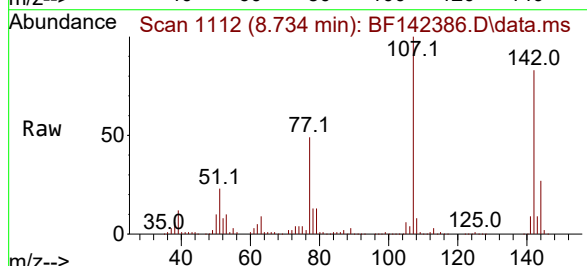
Tgt Ion:107 Resp: 464569

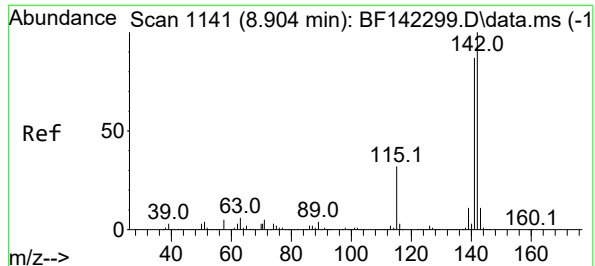
Ion Ratio Lower Upper

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# 1140

Delta R.T. -0.006 min

Lab File: BF142386.D

Acq: 15 May 2025 11:06

Instrument :

BNA_F

ClientSampleId :

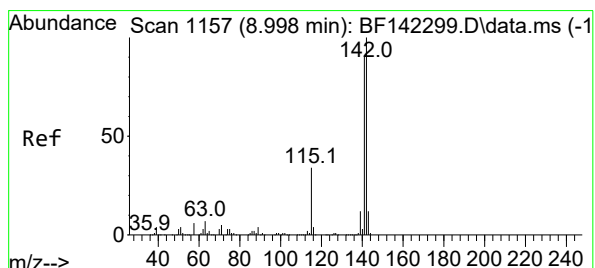
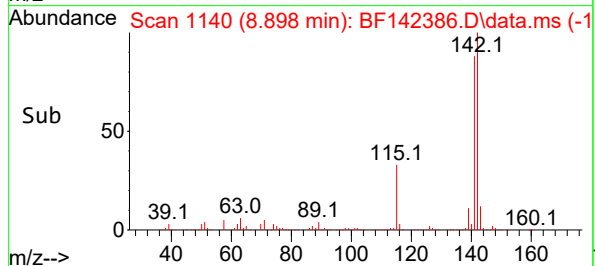
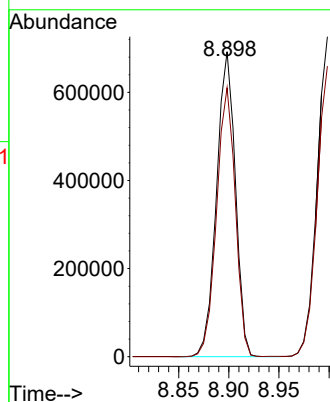
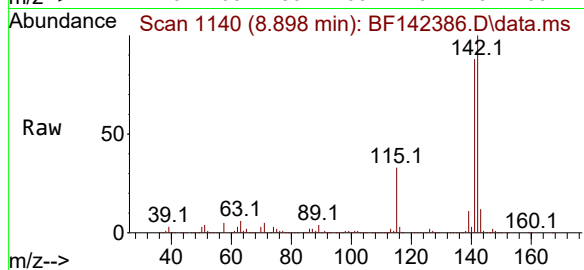
PB167951BS

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

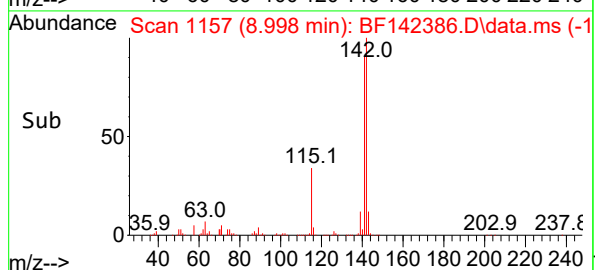
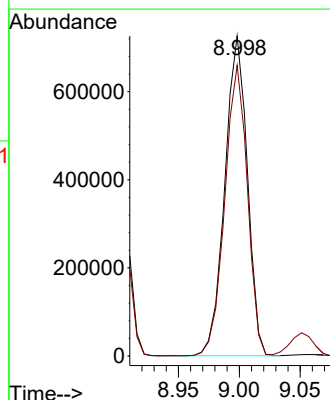
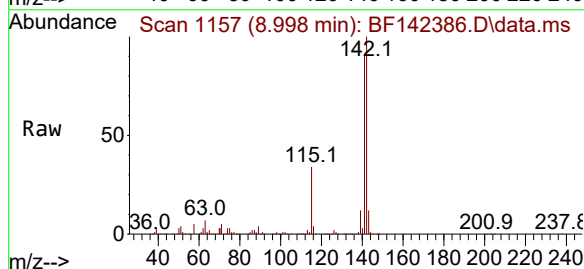
Acq: 15 May 2025 11:06

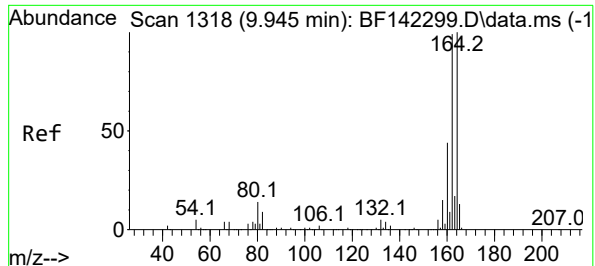
Tgt Ion:142 Resp: 935769

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# 11

Delta R.T. -0.006 min

Lab File: BF142386.D

Acq: 15 May 2025 11:06

Instrument :

BNA_F

ClientSampleId :

PB167951BS

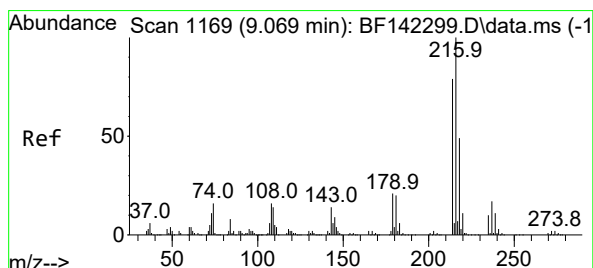
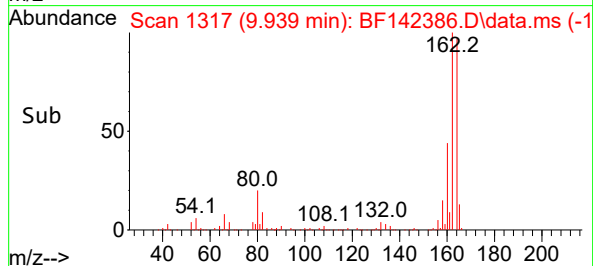
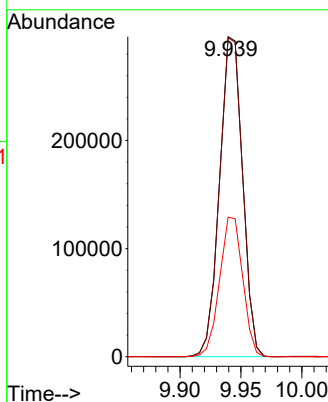
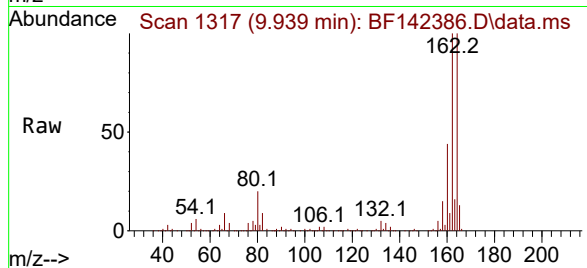
Tgt Ion:164 Resp: 390383

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

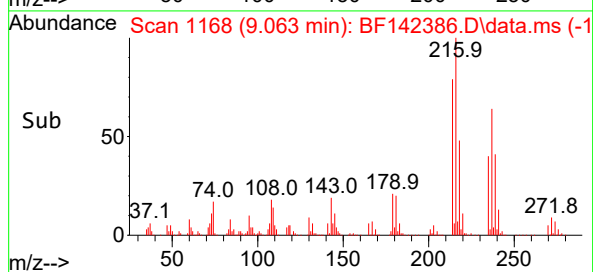
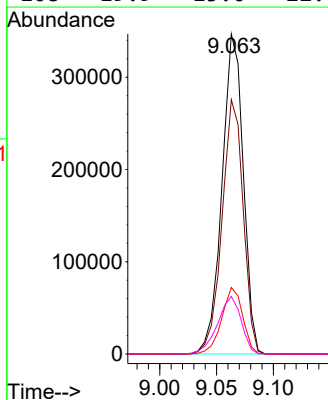
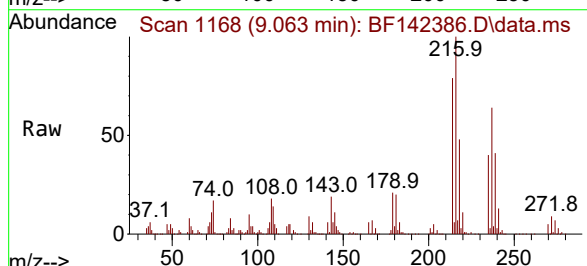
Ion Ratio Lower Upper

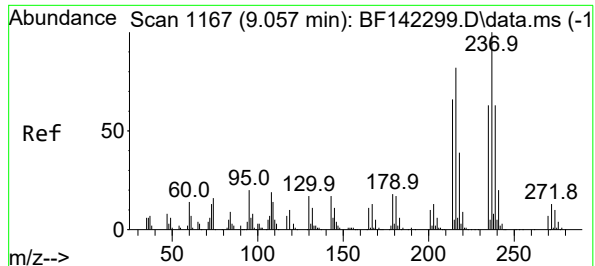
216 100

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# 1166

Delta R.T. -0.006 min

Lab File: BF142386.D

Acq: 15 May 2025 11:06

Instrument :

BNA_F

ClientSampleId :

PB167951BS

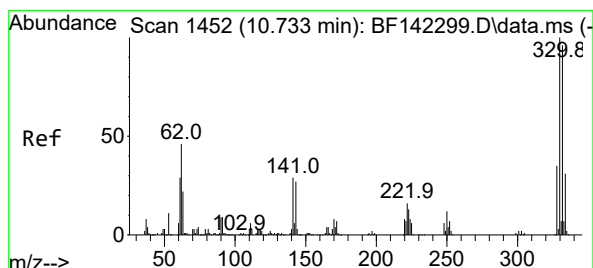
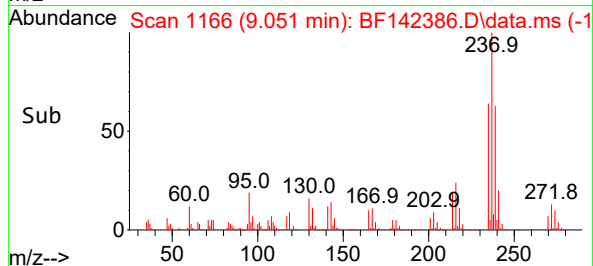
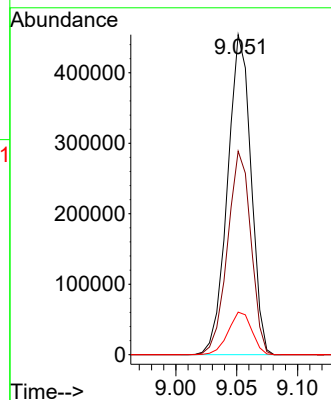
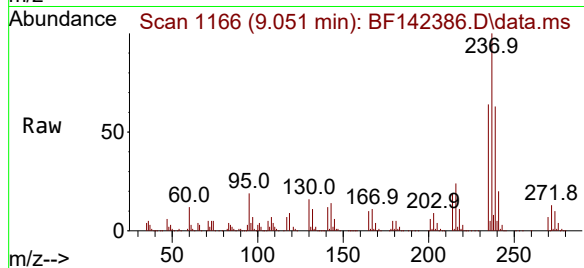
Tgt Ion:237 Resp: 607941

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

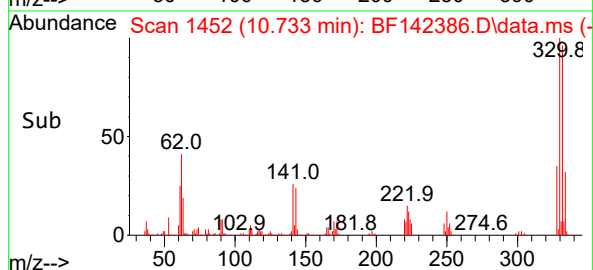
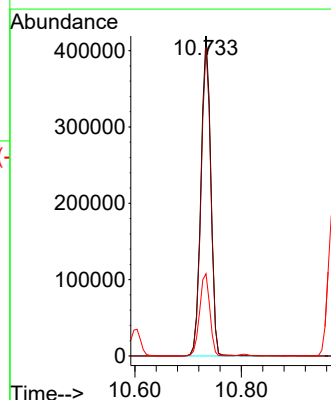
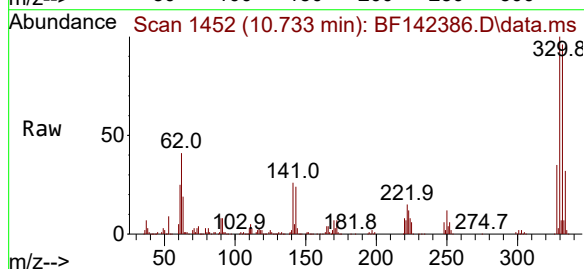
Tgt Ion:330 Resp: 536451

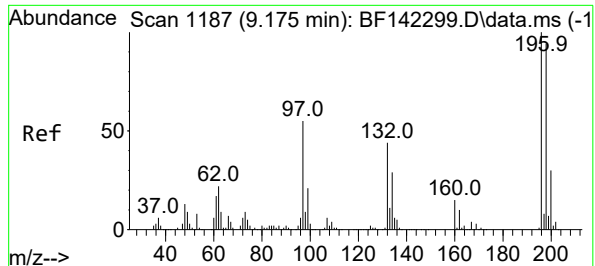
Ion Ratio Lower Upper

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# 1187

Delta R.T. -0.000 min

Lab File: BF142386.D

Acq: 15 May 2025 11:06

Instrument :

BNA_F

ClientSampleId :

PB167951BS

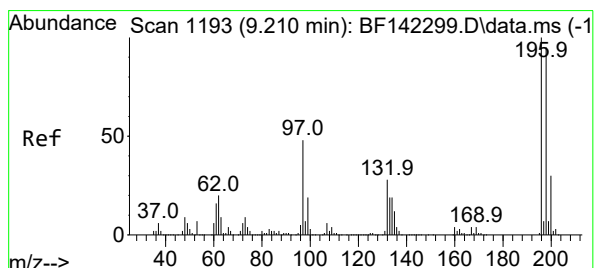
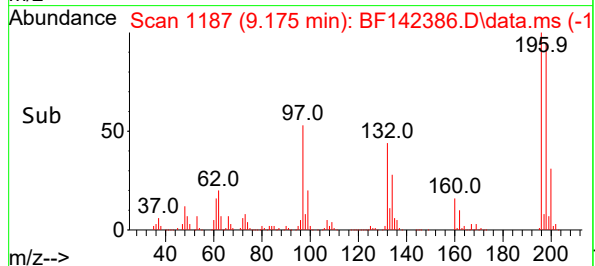
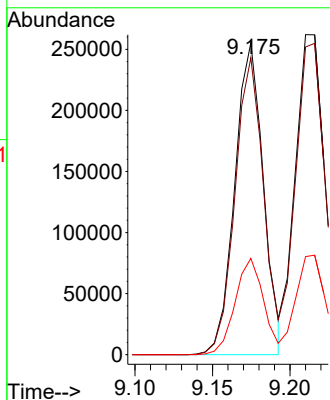
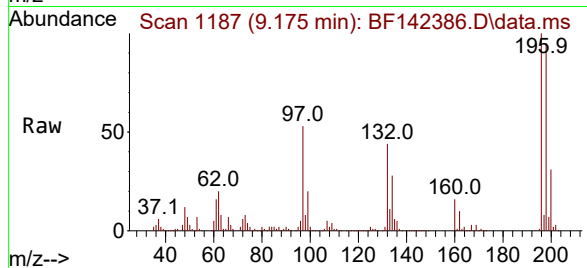
Tgt Ion:196 Resp: 327505

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

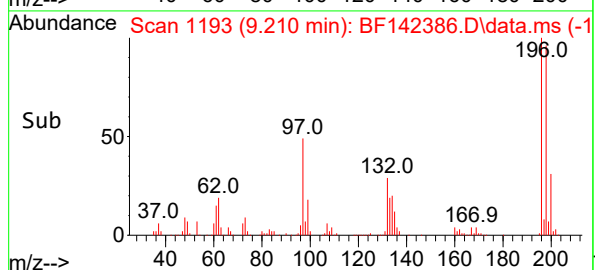
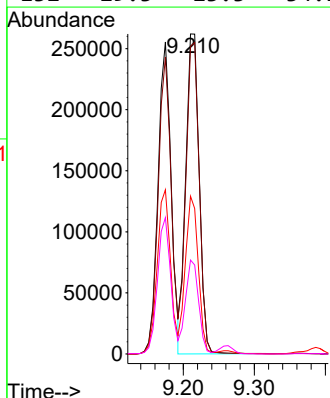
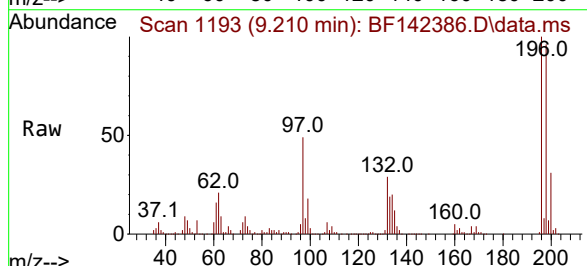
Ion Ratio Lower Upper

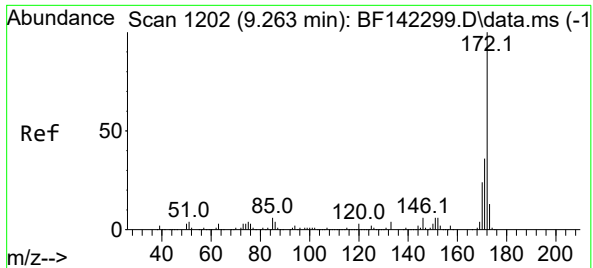
196 100

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# 1202

Delta R.T. -0.000 min

Lab File: BF142386.D

Acq: 15 May 2025 11:06

Instrument :

BNA_F

ClientSampleId :

PB167951BS

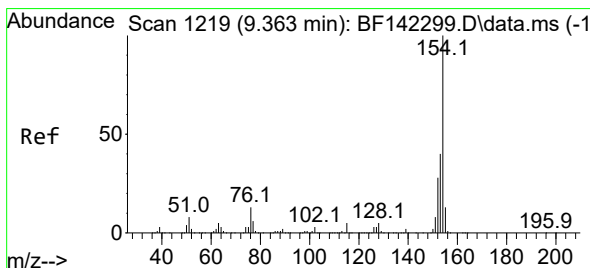
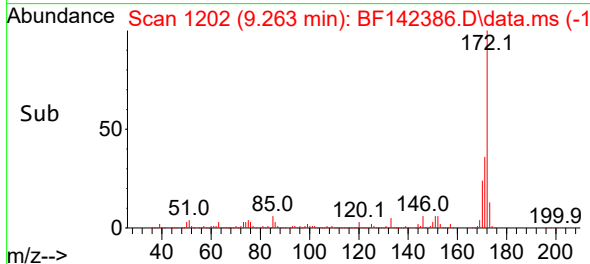
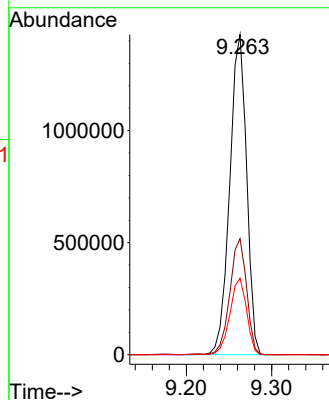
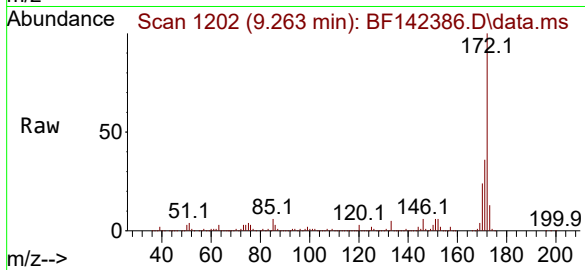
Tgt Ion:172 Resp: 1960008

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

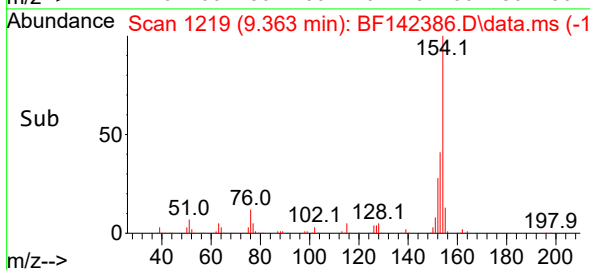
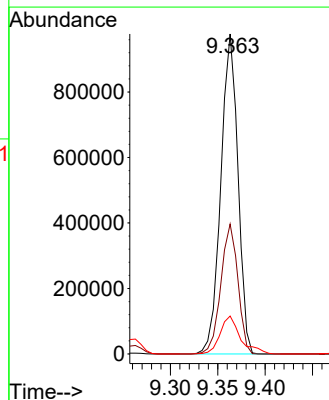
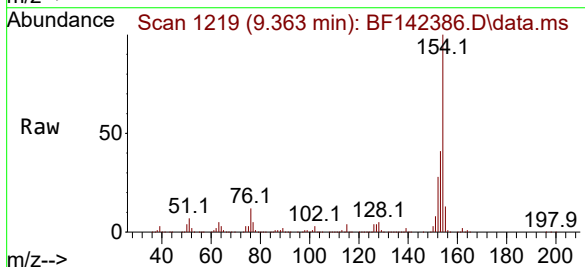
Tgt Ion:154 Resp: 1229160

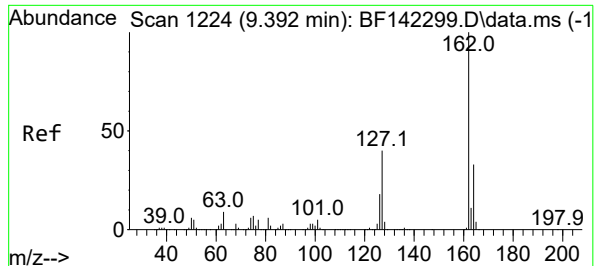
Ion Ratio Lower Upper

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# 1223

Delta R.T. -0.006 min

Lab File: BF142386.D

Acq: 15 May 2025 11:06

Instrument :

BNA_F

ClientSampleId :

PB167951BS

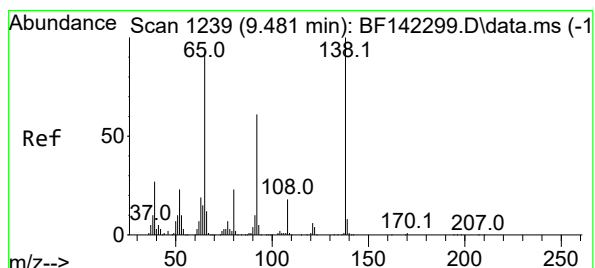
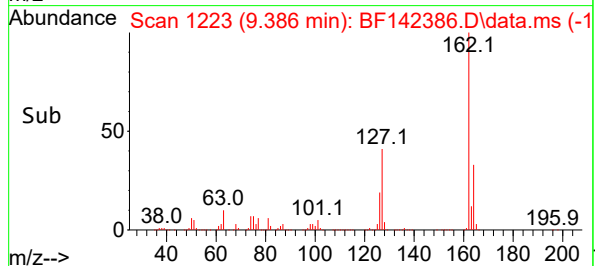
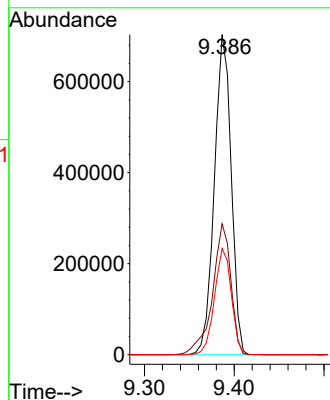
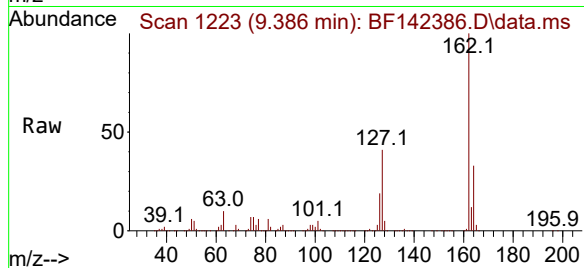
Tgt Ion:162 Resp: 916262

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

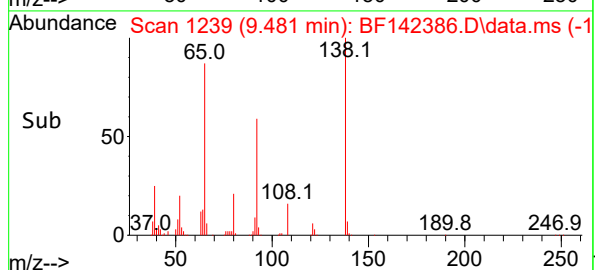
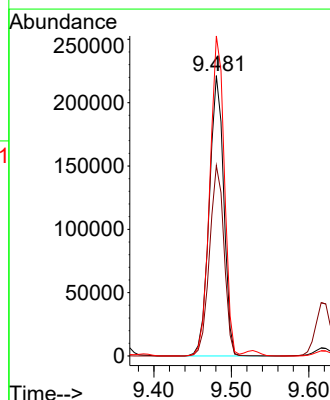
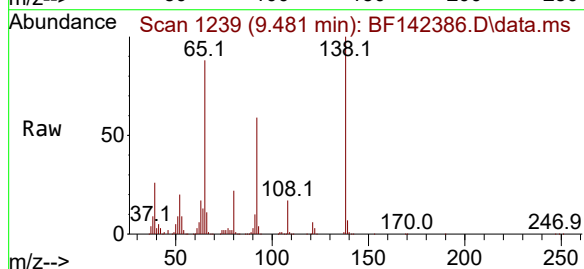
Tgt Ion: 65 Resp: 287593

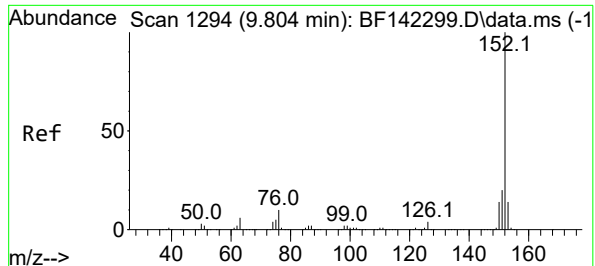
Ion Ratio Lower Upper

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# 11

Delta R.T. -0.000 min

Lab File: BF142386.D

Acq: 15 May 2025 11:06

Instrument :

BNA_F

ClientSampleId :

PB167951BS

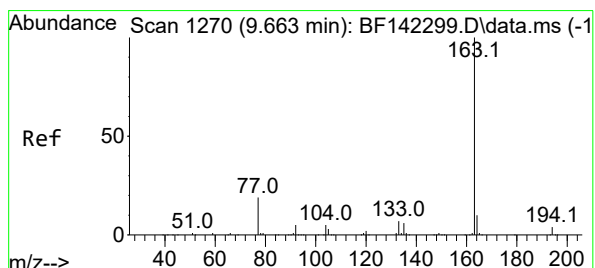
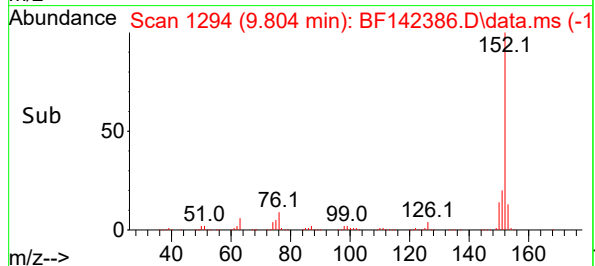
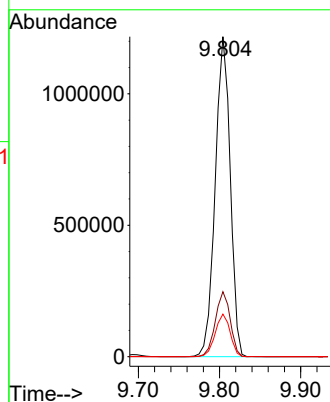
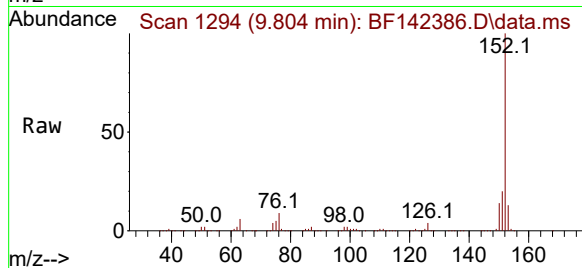
Tgt Ion:152 Resp: 1563555

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

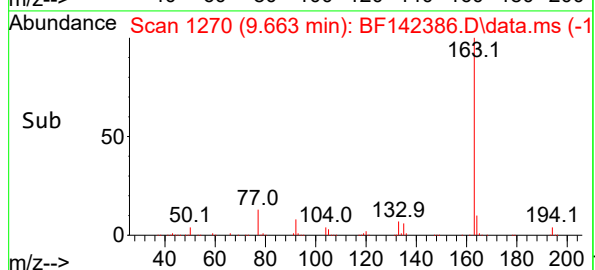
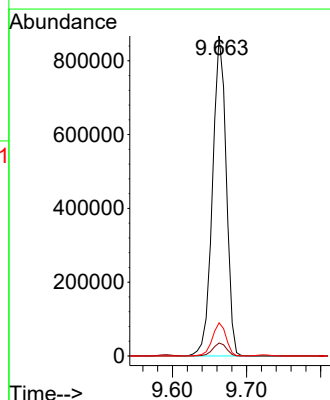
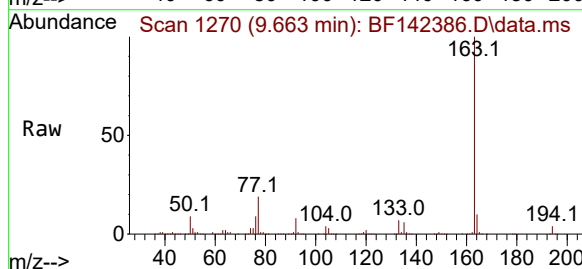
Tgt Ion:163 Resp: 1114509

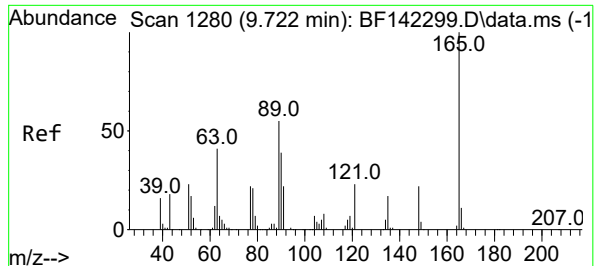
Ion Ratio Lower Upper

163 100

194 4.1 3.2 4.8

164 10.4 8.3 12.5

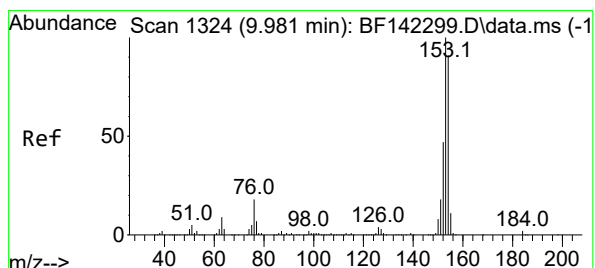
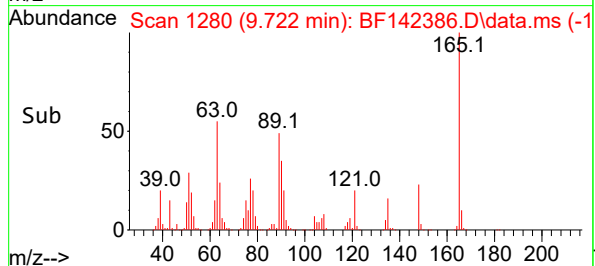
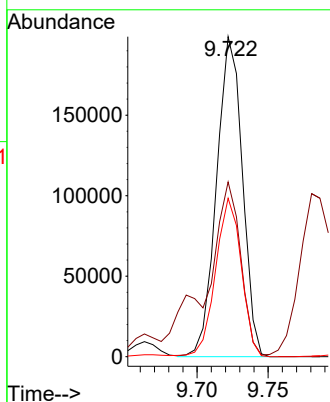
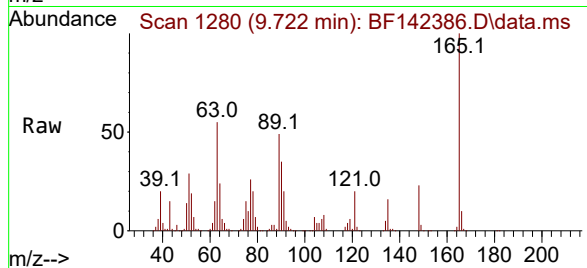




#51
2,6-Dinitrotoluene
Concen: 53.548 ng
RT: 9.722 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

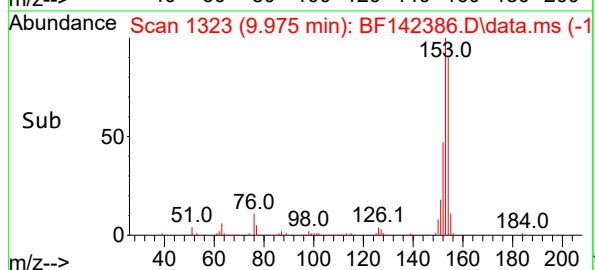
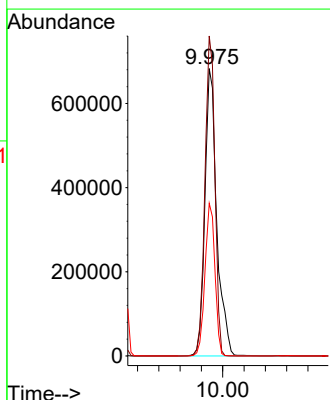
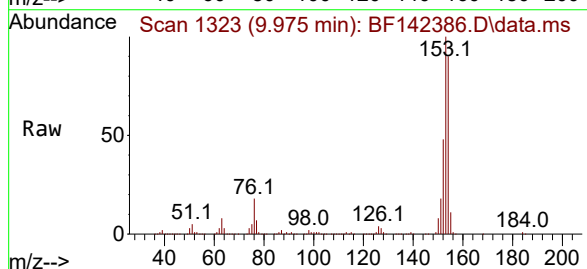
Instrument :
BNA_F
ClientSampleId :
PB167951BS

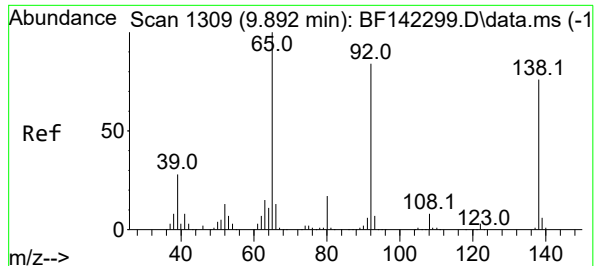
Tgt Ion:165 Resp: 251258
Ion Ratio Lower Upper
165 100
63 54.6 49.5 74.3
89 49.5 44.6 66.8



#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# 11

Delta R.T. -0.000 min

Lab File: BF142386.D

Acq: 15 May 2025 11:06

Instrument :

BNA_F

ClientSampleId :

PB167951BS

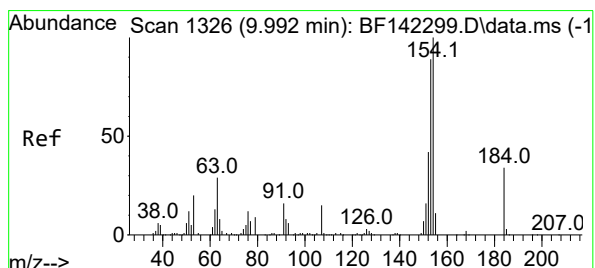
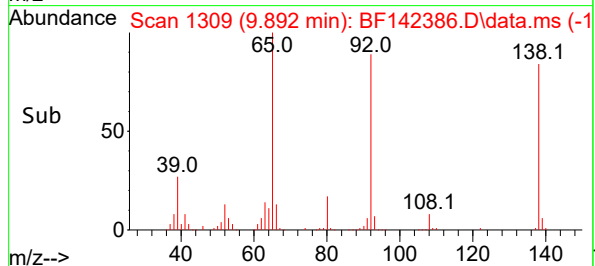
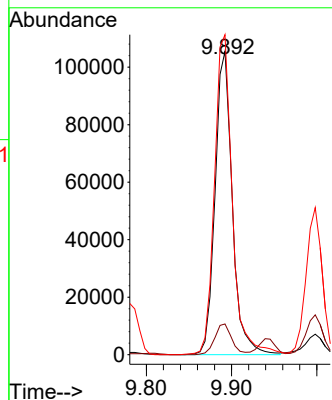
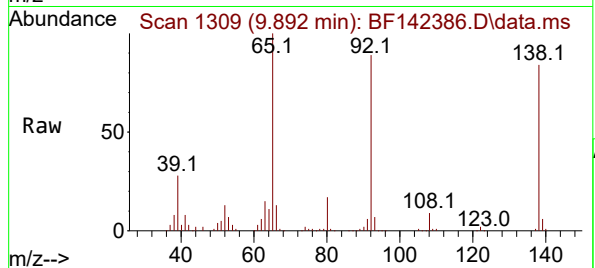
Tgt Ion:138 Resp: 148171

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

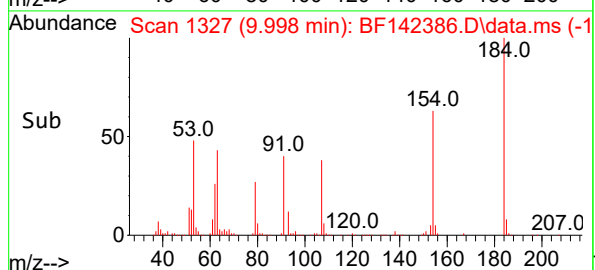
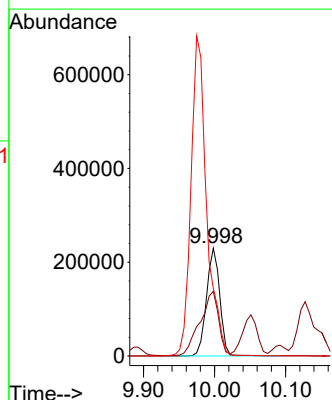
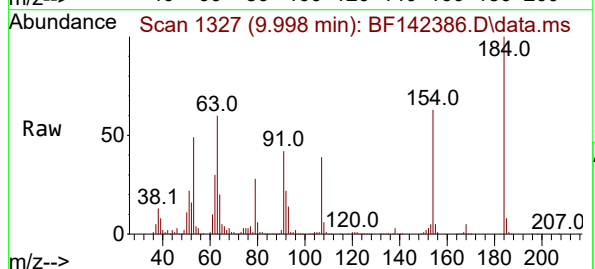
Tgt Ion:184 Resp: 299083

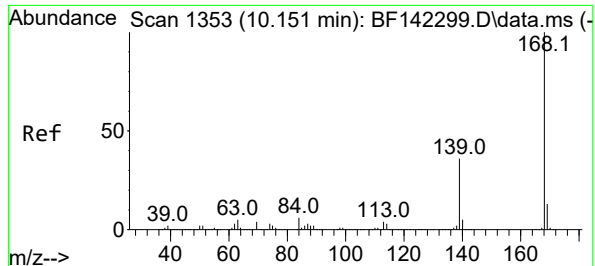
Ion Ratio Lower Upper

184 100

63 60.0 70.6 105.8#

154 62.7 257.2 385.8#





#55

Dibenzenofuran

Concen: 41.493 ng

RT: 10.151 min Scan# 1353

Delta R.T. -0.000 min

Lab File: BF142386.D

Acq: 15 May 2025 11:06

Instrument :

BNA_F

ClientSampleId :

PB167951BS

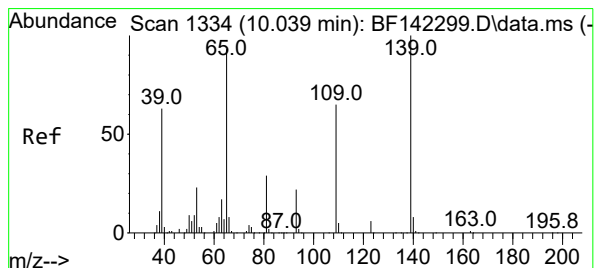
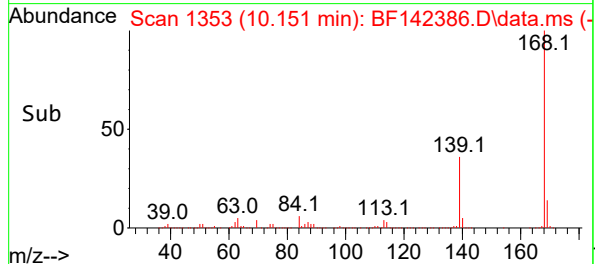
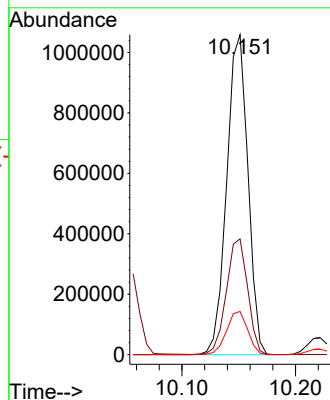
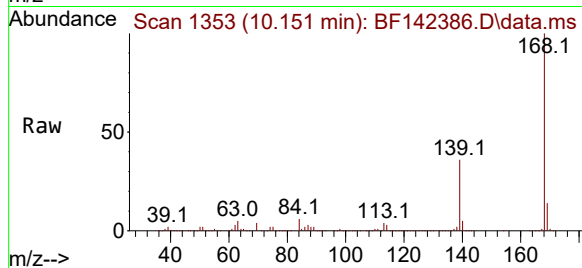
Tgt Ion:168 Resp: 1371115

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

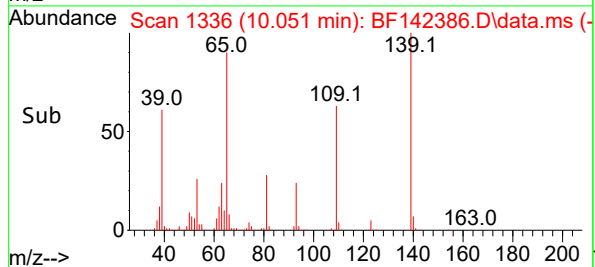
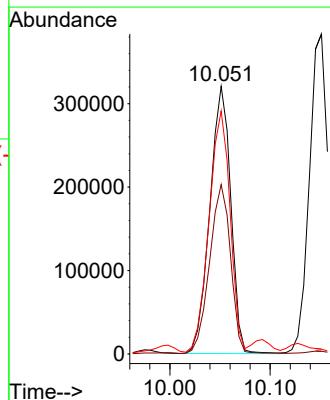
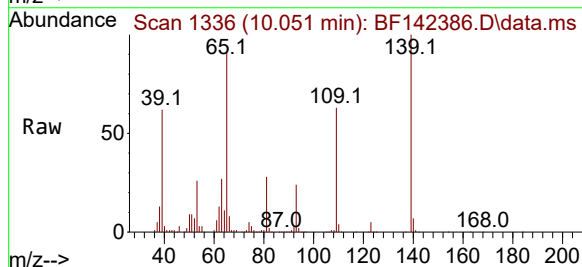
Tgt Ion:139 Resp: 464288

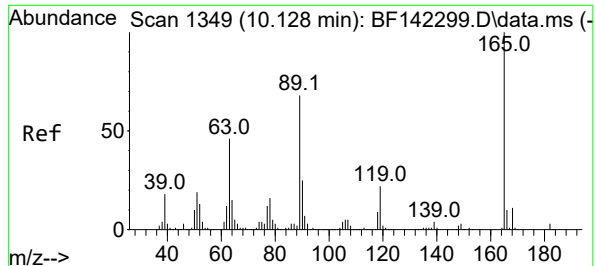
Ion Ratio Lower Upper

139 100

109 63.3 45.3 85.3

65 90.8 73.9 113.9

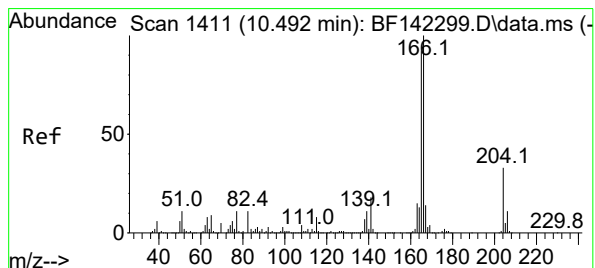
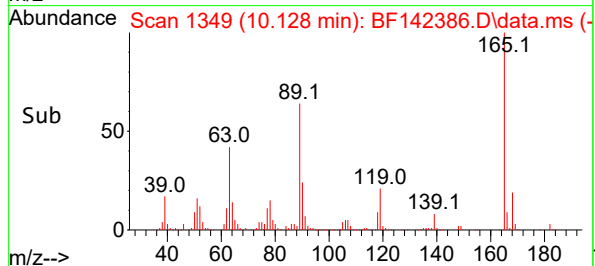
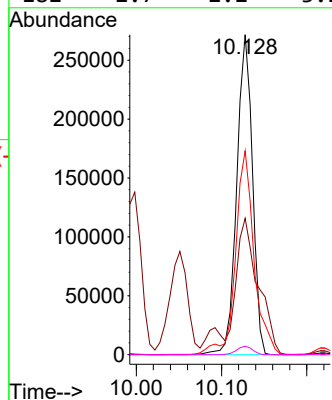
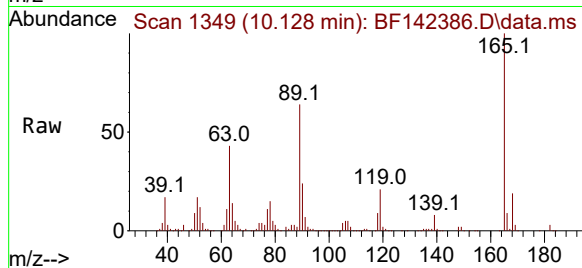




#57
2,4-Dinitrotoluene
Concen: 57.728 ng
RT: 10.128 min Scan# 1349
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

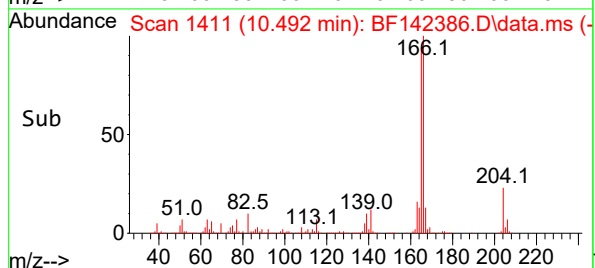
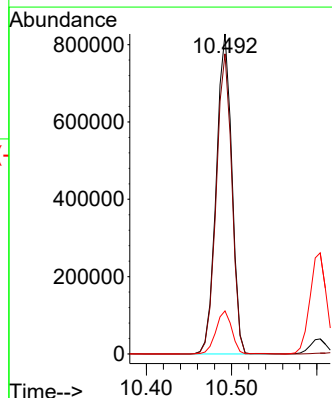
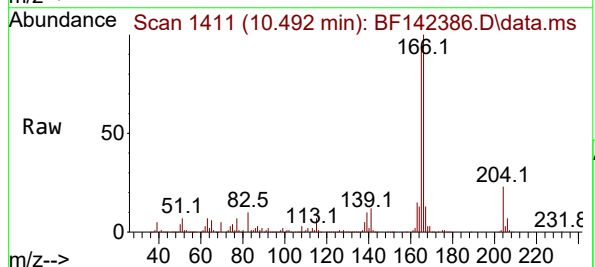
Instrument :
BNA_F
ClientSampleId :
PB167951BS

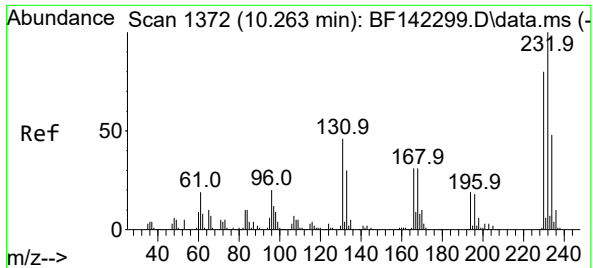
Tgt Ion:165 Resp: 347454
Ion Ratio Lower Upper
165 100
63 42.6 37.1 55.7
89 63.7 54.4 81.6
182 2.7 2.2 3.2



#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

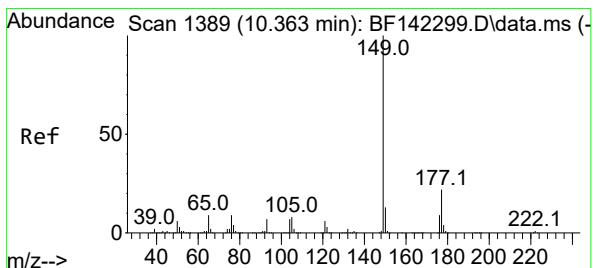
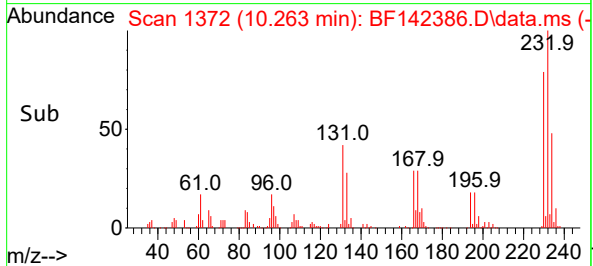
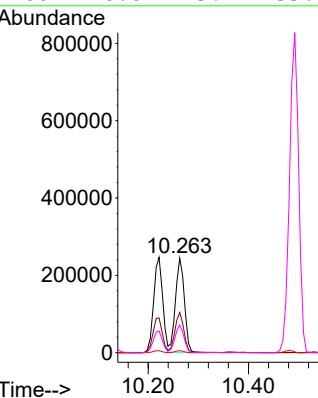
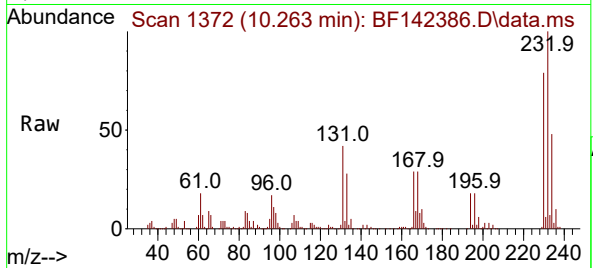




#59
2,3,4,6-Tetrachlorophenol
Concen: 50.597 ng
RT: 10.263 min Scan# 1372
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

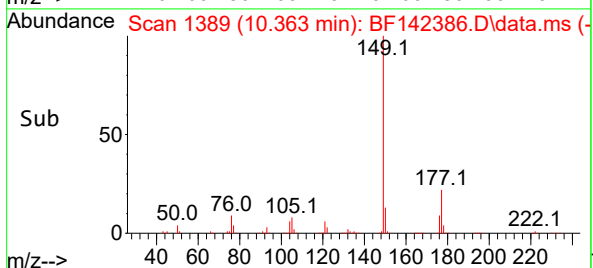
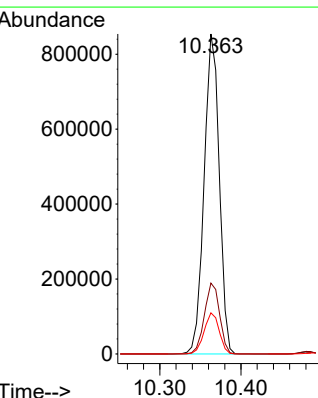
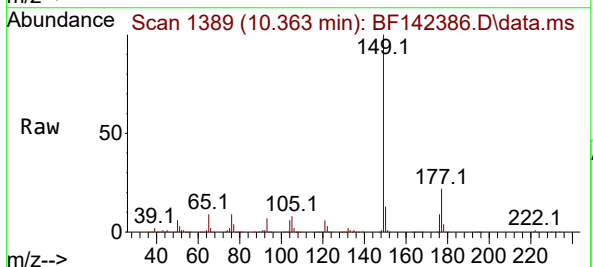
Instrument :
BNA_F
ClientSampleId :
PB167951BS

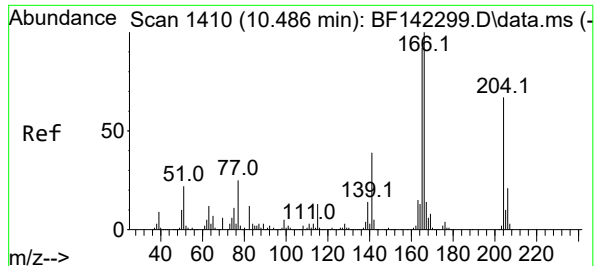
Tgt Ion:232 Resp: 305641
Ion Ratio Lower Upper
232 100
131 42.1 36.0 54.0
130 2.0 1.8 2.6
166 28.6 23.4 35.2



#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

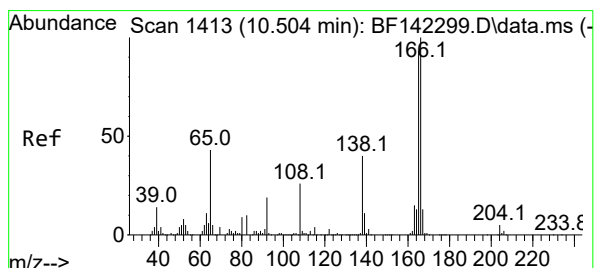
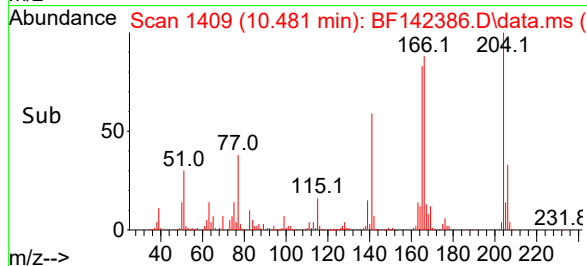
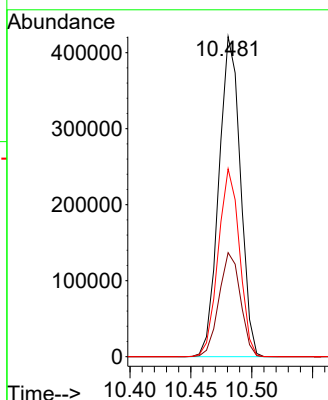
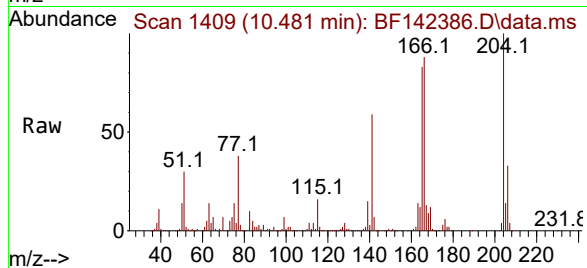




#61
4-Chlorophenyl-phenylether
Concen: 42.581 ng
RT: 10.481 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

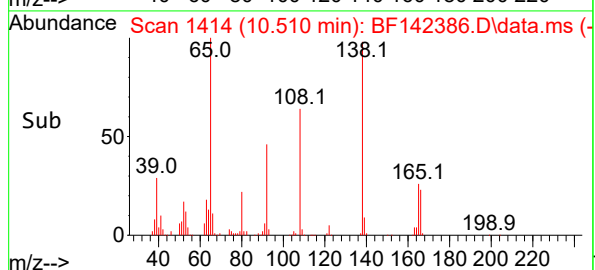
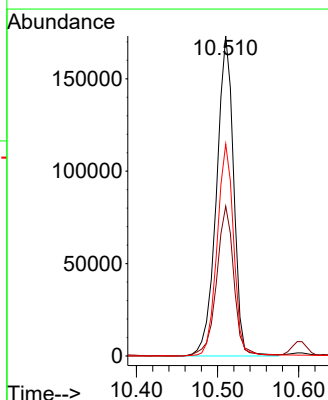
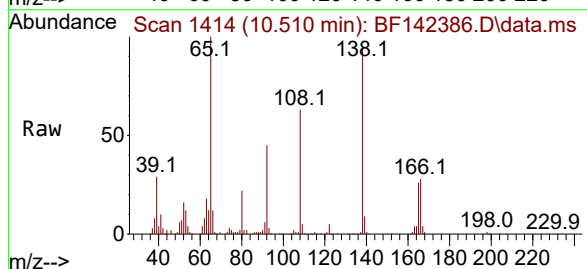
Instrument :
BNA_F
ClientSampleId :
PB167951BS

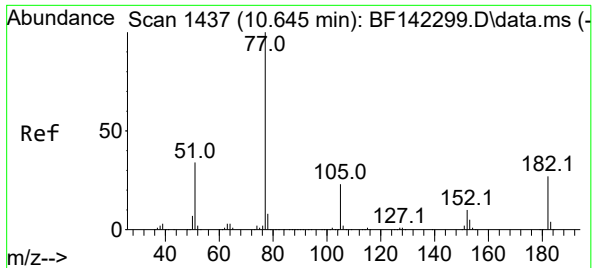
Tgt Ion:204 Resp: 518059
Ion Ratio Lower Upper
204 100
206 32.5 25.5 38.3
141 58.7 46.4 69.6



#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

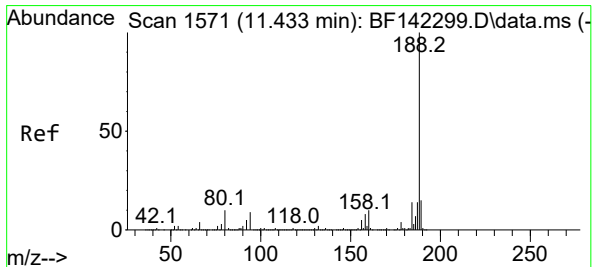
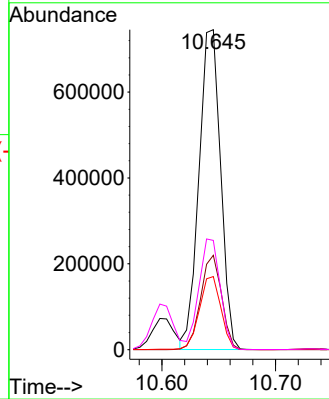
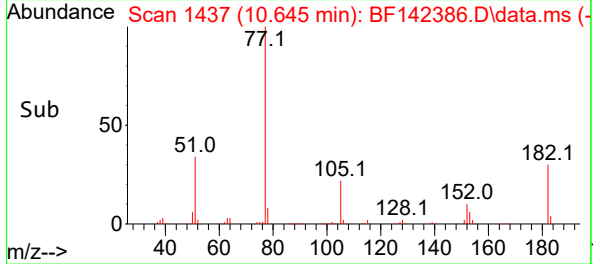
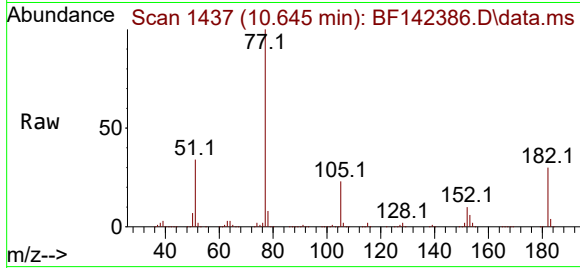




#63
Azobenzene
Concen: 41.252 ng
RT: 10.645 min Scan# 1437
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

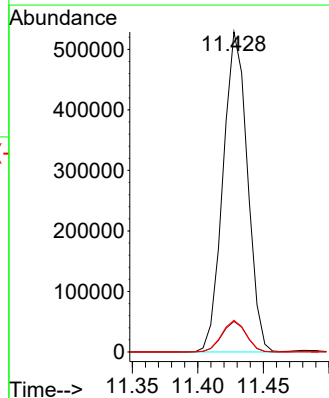
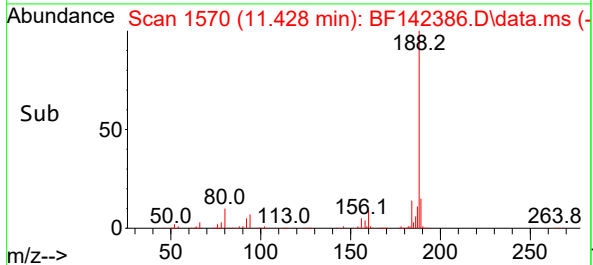
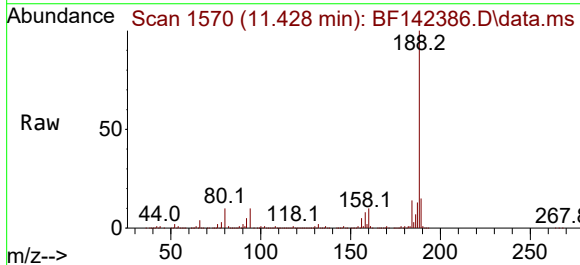
Instrument :
BNA_F
ClientSampleId :
PB167951BS

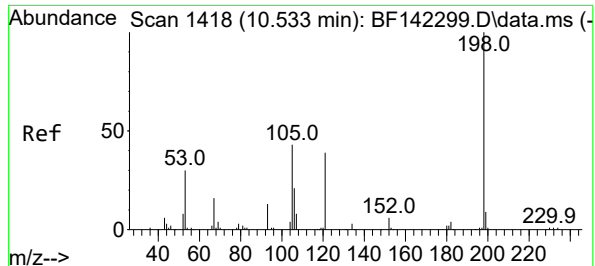
Tgt Ion: 77 Resp: 986822
Ion Ratio Lower Upper
77 100
182 29.5 6.9 46.9
105 22.8 2.7 42.7
51 34.2 14.7 54.7



#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

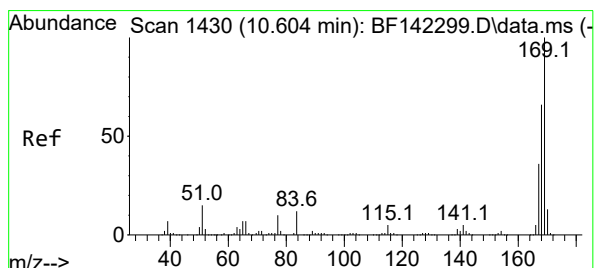
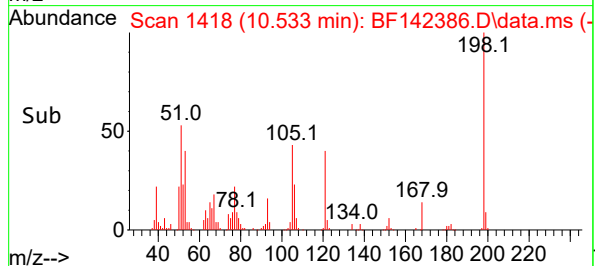
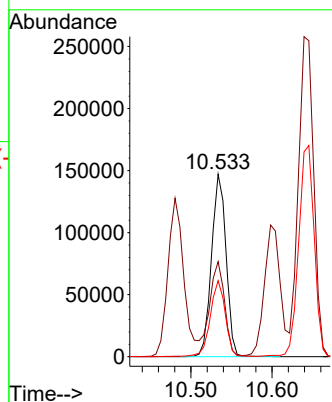
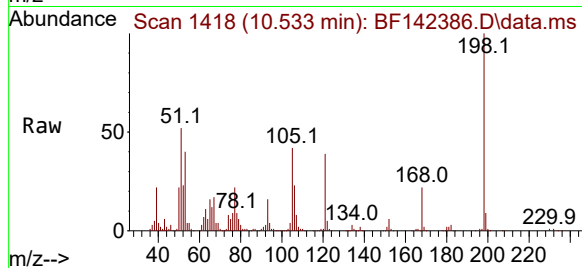




#65
4,6-Dinitro-2-methylphenol
Concen: 55.913 ng
RT: 10.533 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

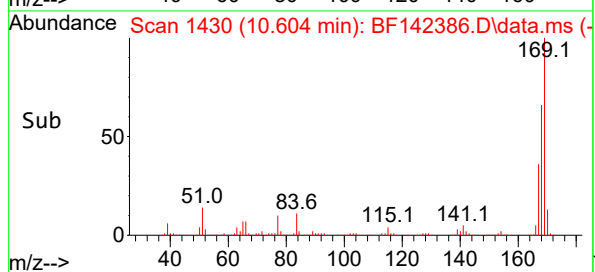
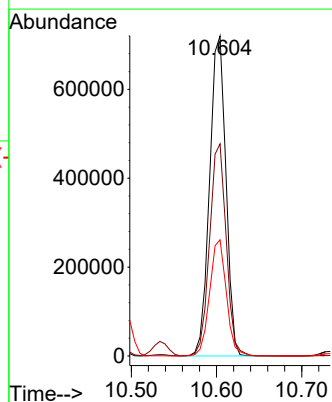
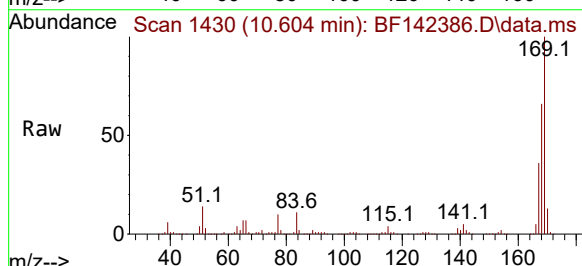
Instrument :
BNA_F
ClientSampleId :
PB167951BS

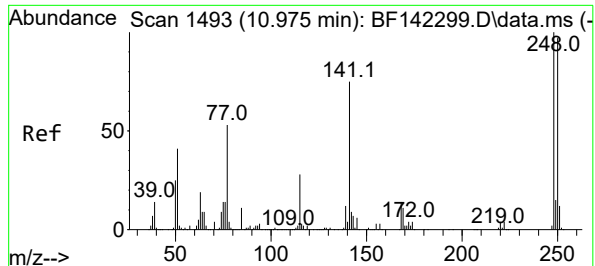
Tgt Ion:198 Resp: 182627
Ion Ratio Lower Upper
198 100
51 52.1 32.9 72.9
105 41.7 23.7 63.7



#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

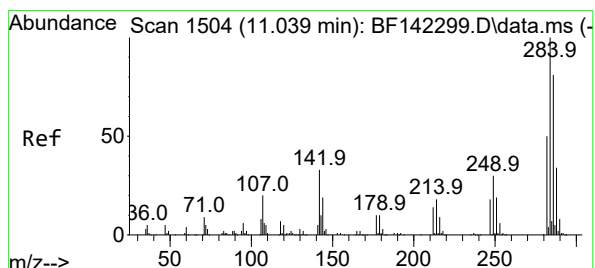
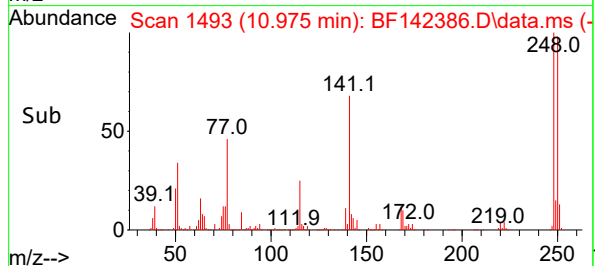
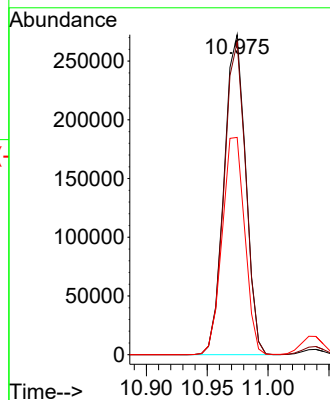
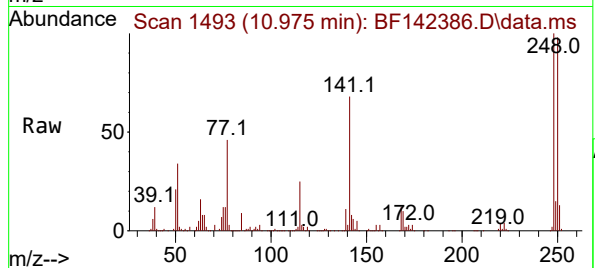




#67
4-Bromophenyl-phenylether
Concen: 43.574 ng
RT: 10.975 min Scan# 1493
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

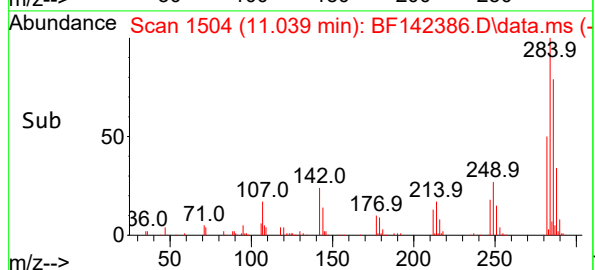
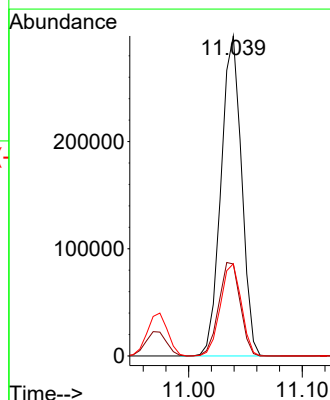
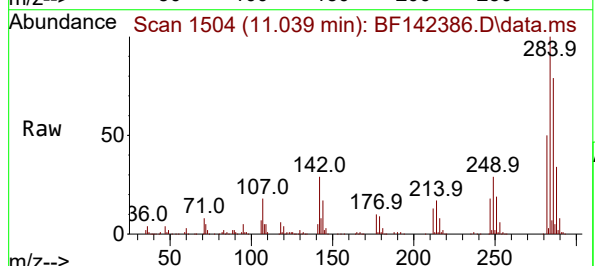
Instrument :
BNA_F
ClientSampleId :
PB167951BS

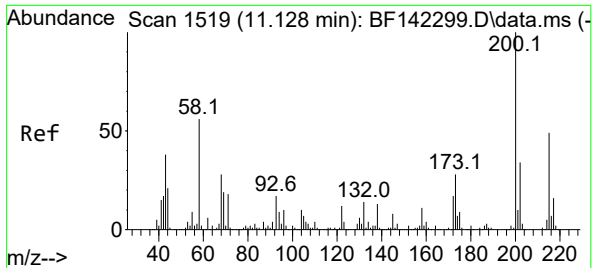
Tgt Ion:248 Resp: 337616
Ion Ratio Lower Upper
248 100
250 97.6 77.9 116.9
141 67.9 59.8 89.8



#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# 1519

Delta R.T. -0.000 min

Lab File: BF142386.D

Acq: 15 May 2025 11:06

Instrument :

BNA_F

ClientSampleId :

PB167951BS

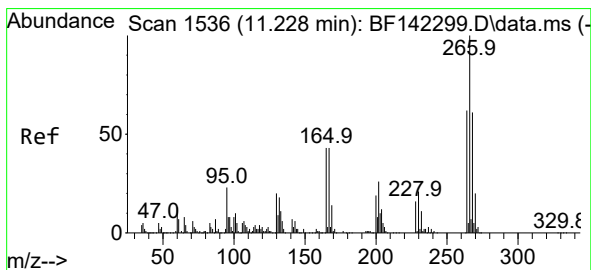
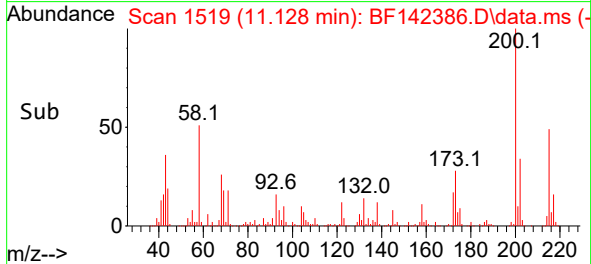
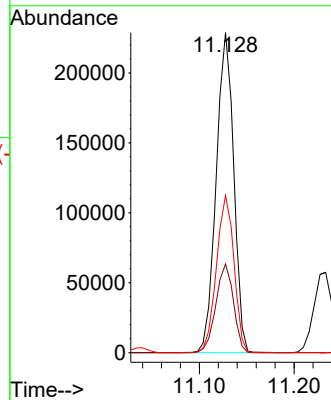
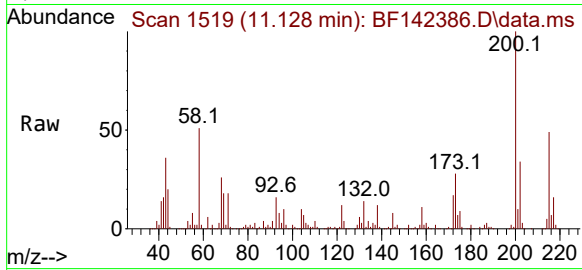
Tgt Ion:200 Resp: 293766

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

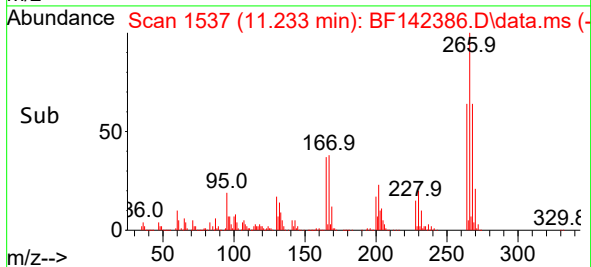
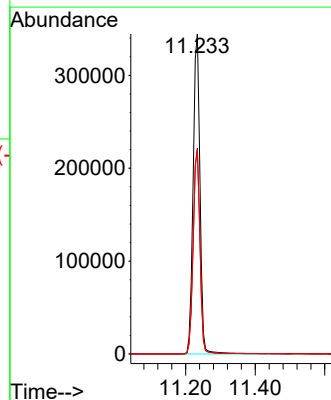
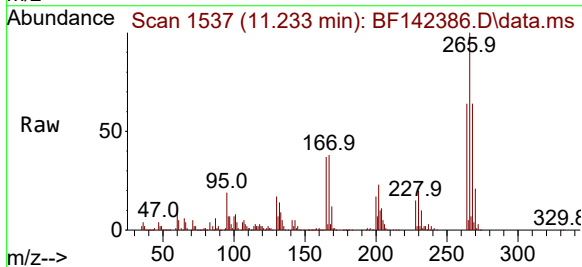
Tgt Ion:266 Resp: 471856

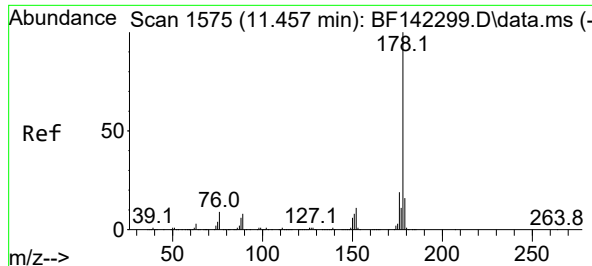
Ion Ratio Lower Upper

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# 1575

Delta R.T. -0.000 min

Lab File: BF142386.D

Acq: 15 May 2025 11:06

Instrument :

BNA_F

ClientSampleId :

PB167951BS

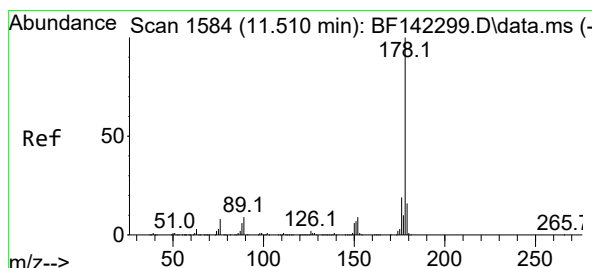
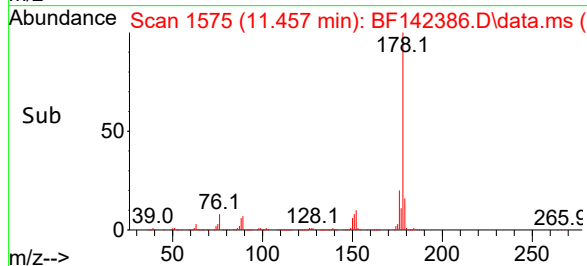
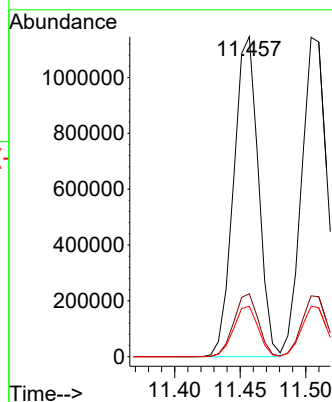
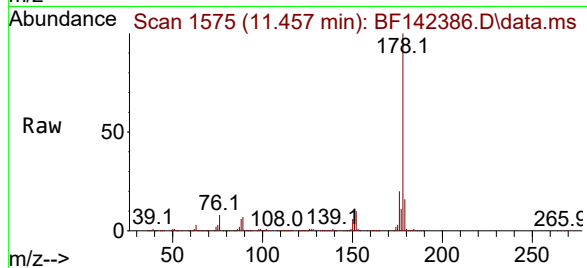
Tgt Ion:178 Resp: 1503753

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

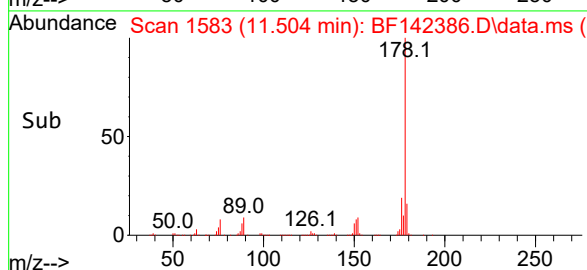
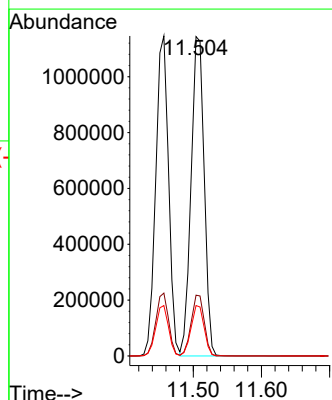
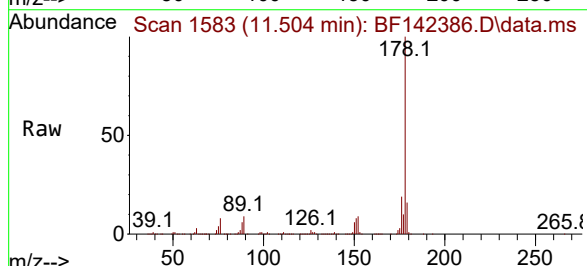
Tgt Ion:178 Resp: 1524726

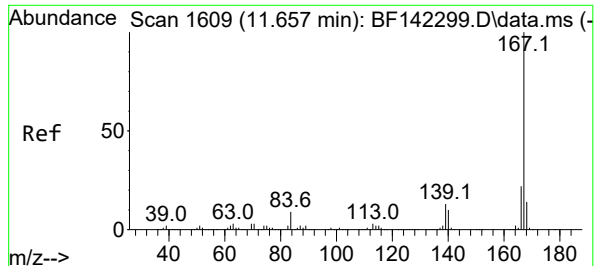
Ion Ratio Lower Upper

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# 1609

Delta R.T. -0.000 min

Lab File: BF142386.D

Acq: 15 May 2025 11:06

Instrument :

BNA_F

ClientSampleId :

PB167951BS

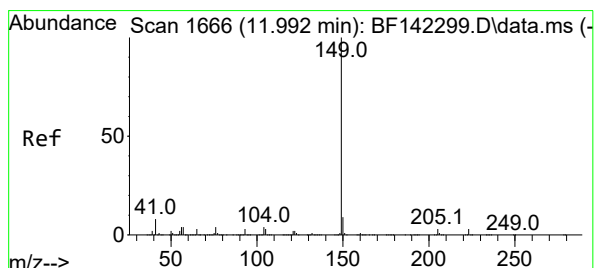
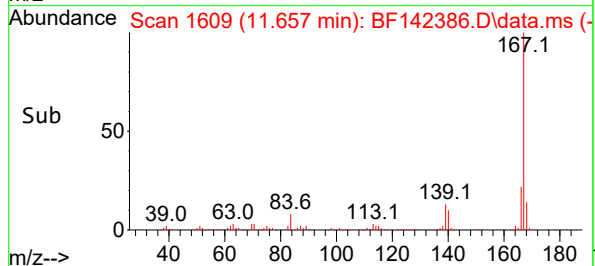
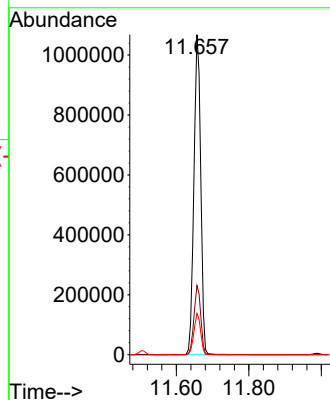
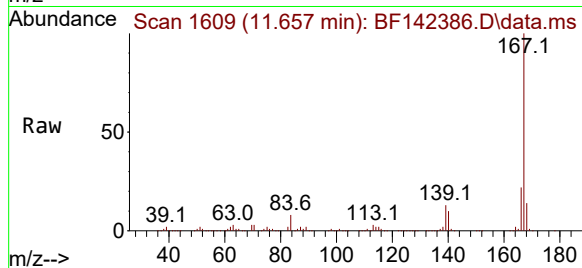
Tgt Ion:167 Resp: 1390787

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

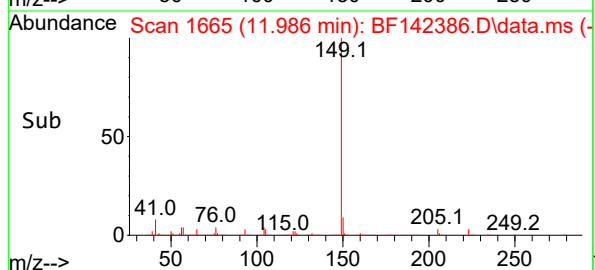
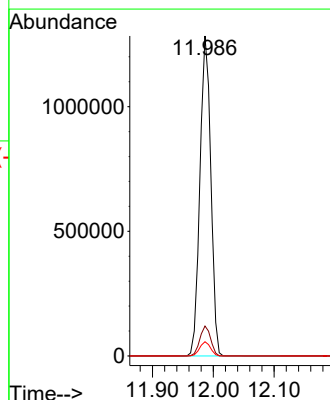
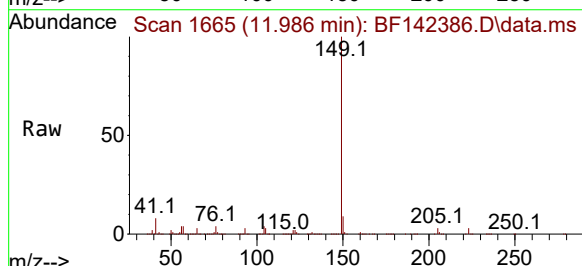
Tgt Ion:149 Resp: 1588510

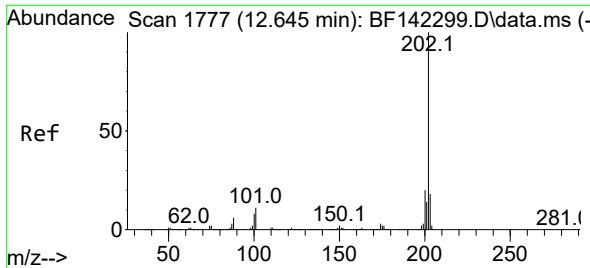
Ion Ratio Lower Upper

149 100

150 9.4 7.5 11.3

104 4.4 3.6 5.4

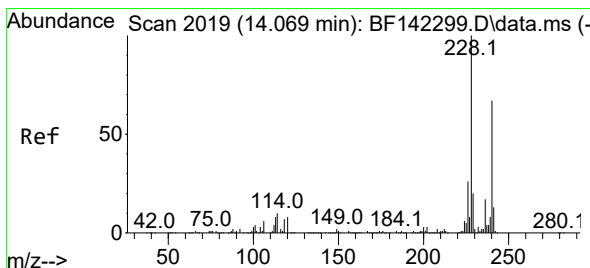
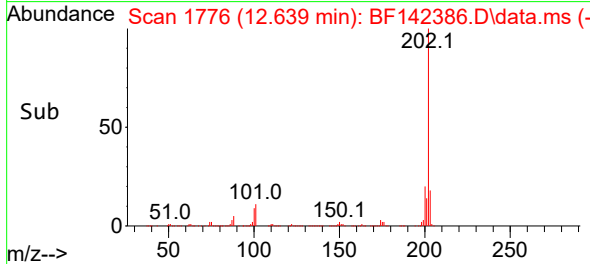
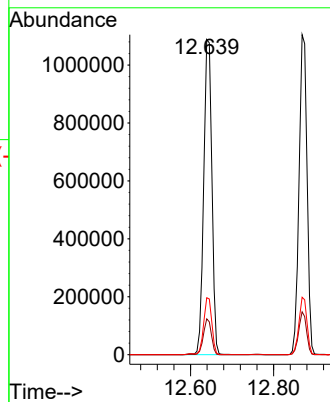
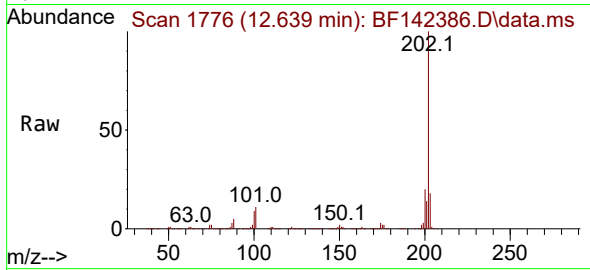




#75
Fluoranthene
Concen: 41.530 ng
RT: 12.639 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

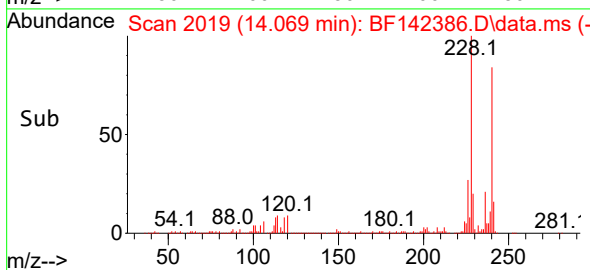
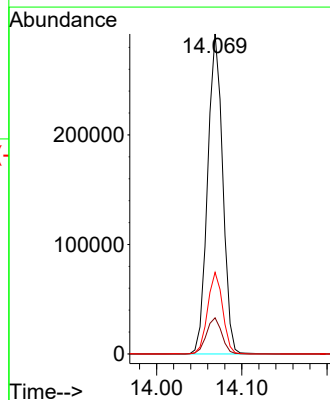
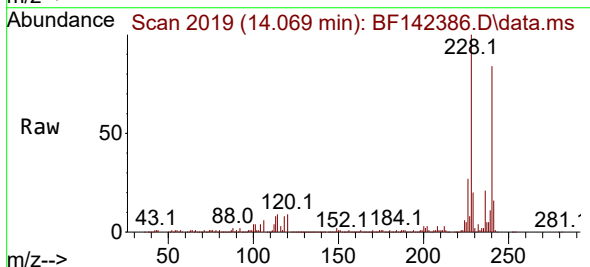
Instrument :
BNA_F
ClientSampleId :
PB167951BS

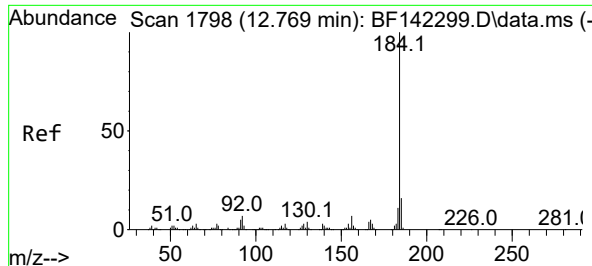
Tgt Ion:202 Resp: 1487674
Ion Ratio Lower Upper
202 100
101 11.4 0.0 31.4
203 18.1 0.0 37.9



#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# 11

Delta R.T. -0.006 min

Lab File: BF142386.D

Acq: 15 May 2025 11:06

Instrument :

BNA_F

ClientSampleId :

PB167951BS

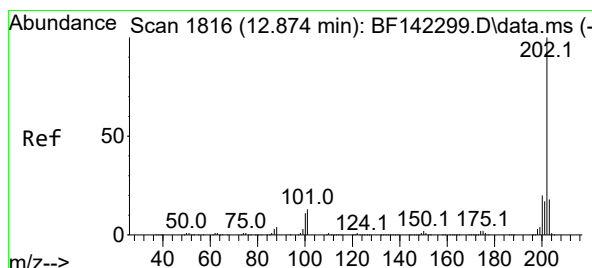
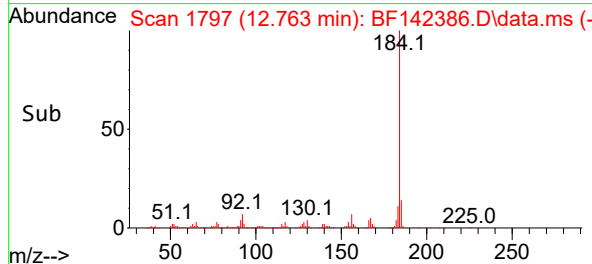
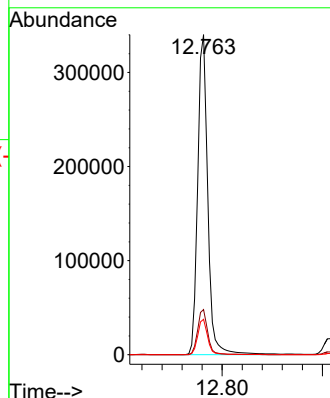
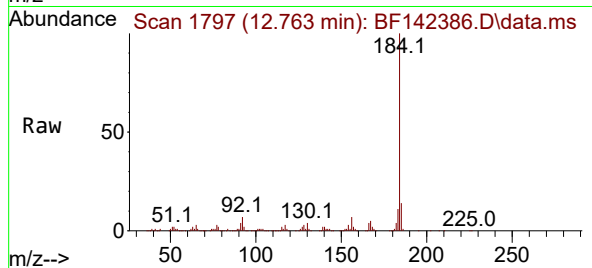
Tgt Ion:184 Resp: 473065

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

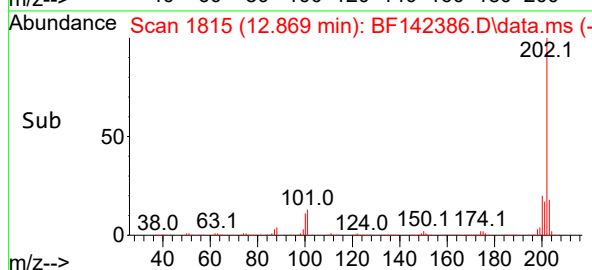
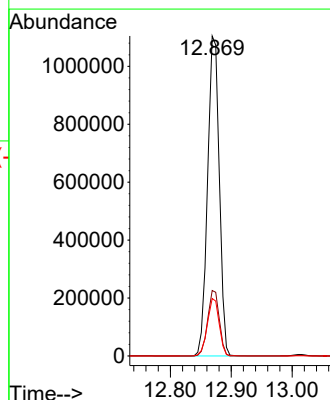
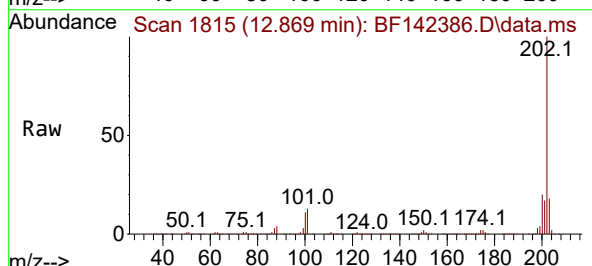
Tgt Ion:202 Resp: 1474683

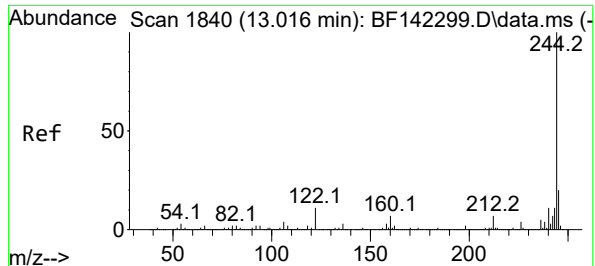
Ion Ratio Lower Upper

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# 11

Delta R.T. -0.000 min

Lab File: BF142386.D

Acq: 15 May 2025 11:06

Instrument :

BNA_F

ClientSampleId :

PB167951BS

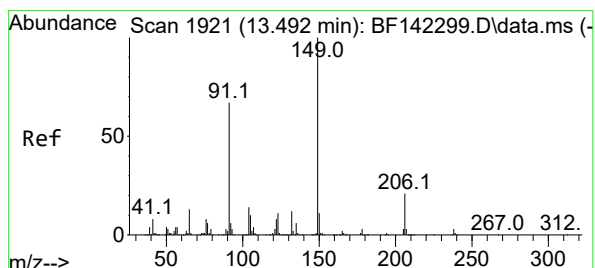
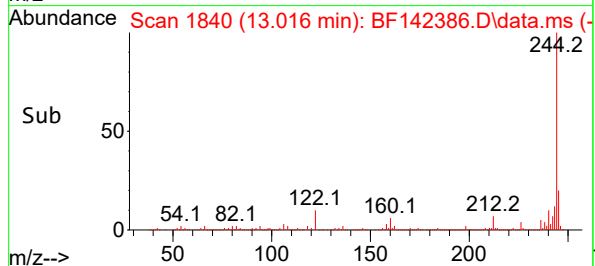
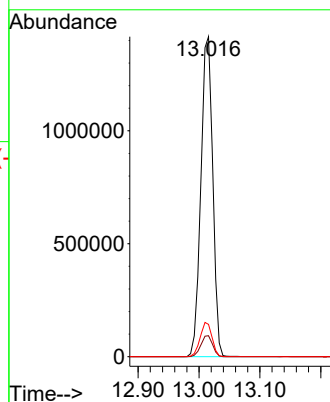
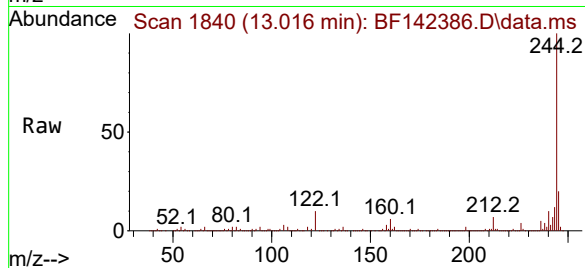
Tgt Ion:244 Resp: 1921973

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

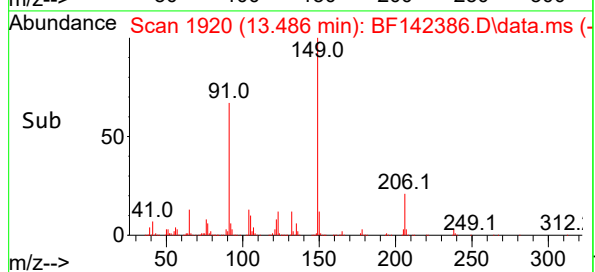
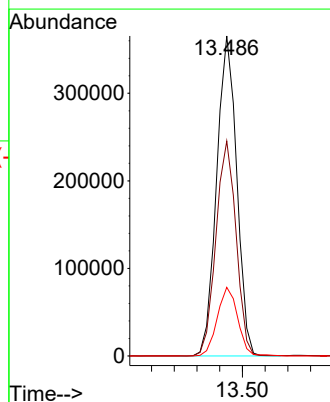
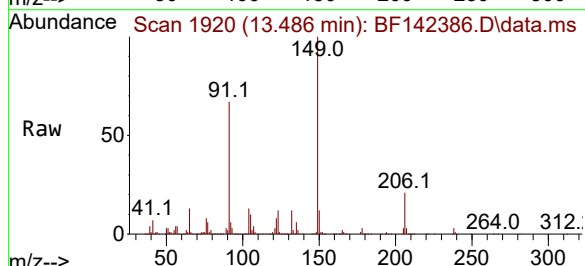
Tgt Ion:149 Resp: 449443

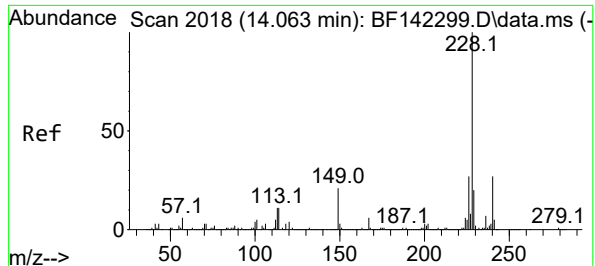
Ion Ratio Lower Upper

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# 2017

Delta R.T. -0.006 min

Lab File: BF142386.D

Acq: 15 May 2025 11:06

Instrument :

BNA_F

ClientSampleId :

PB167951BS

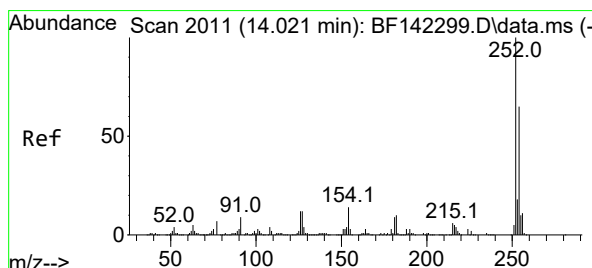
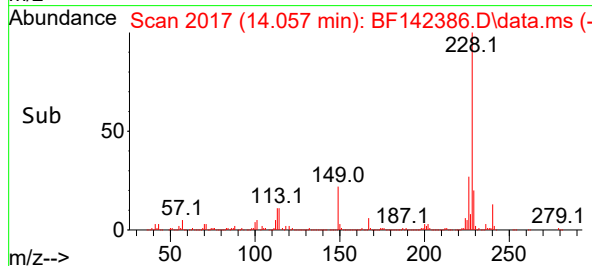
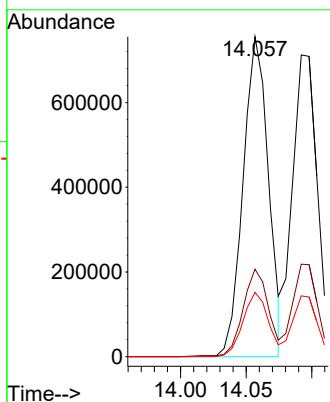
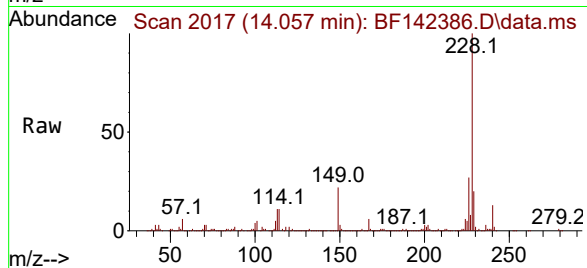
Tgt Ion:228 Resp: 1014145

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

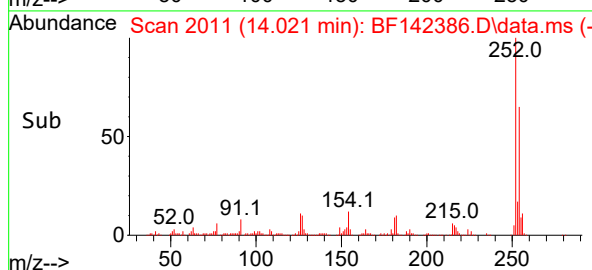
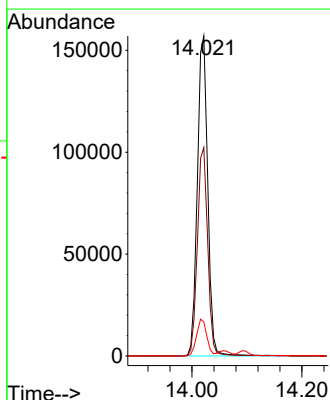
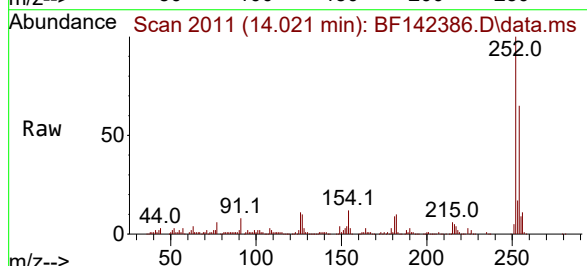
Tgt Ion:252 Resp: 206951

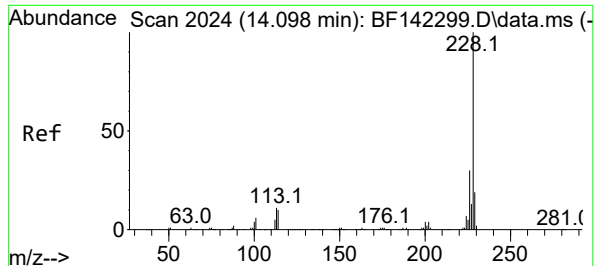
Ion Ratio Lower Upper

252 100

254 65.1 52.0 78.0

126 10.7 9.7 14.5

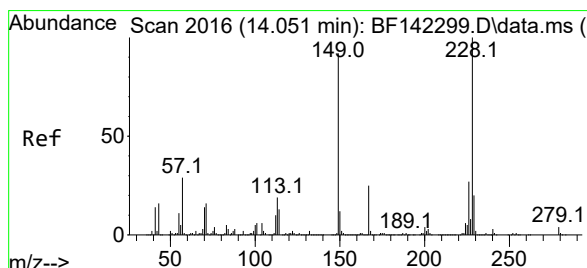
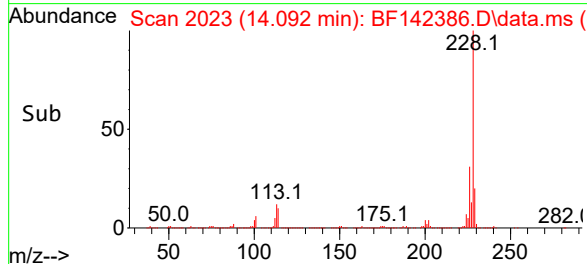
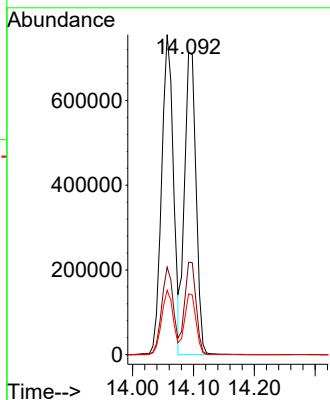
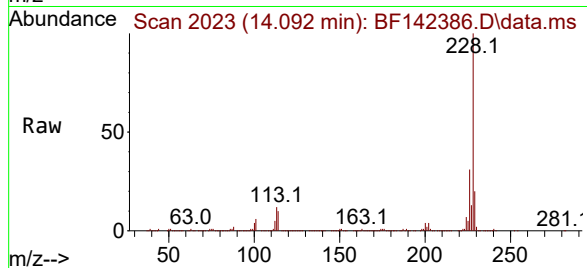




#83
Chrysene
Concen: 43.452 ng
RT: 14.092 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

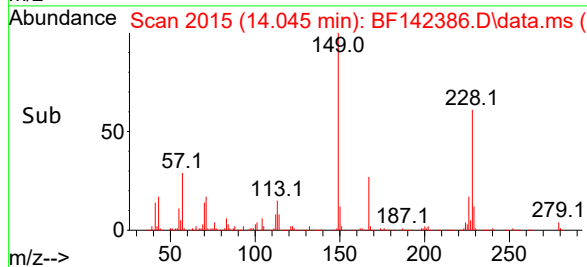
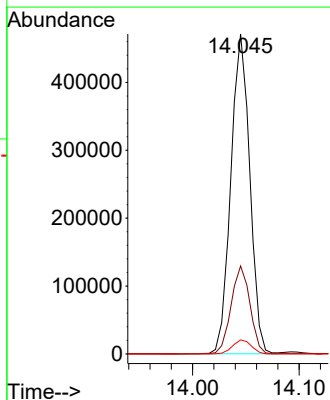
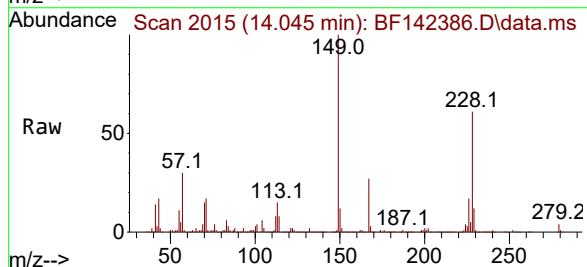
Instrument :
BNA_F
ClientSampleId :
PB167951BS

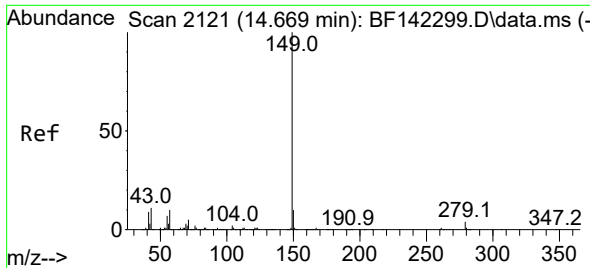
Tgt Ion:228 Resp: 939233
Ion Ratio Lower Upper
228 100
226 30.7 23.9 35.9
229 20.2 15.4 23.2



#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

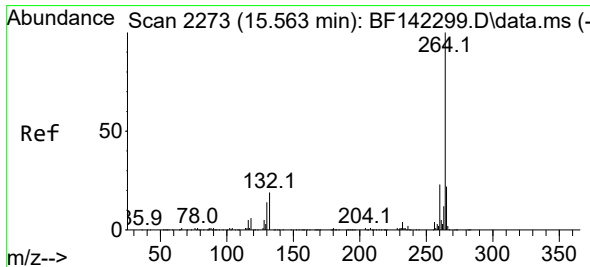
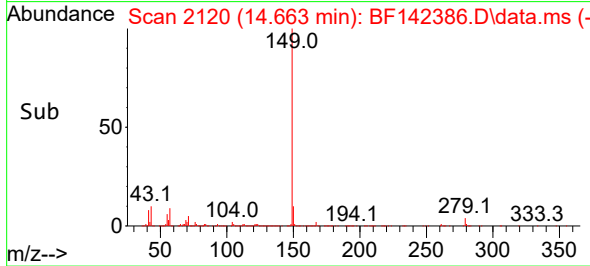
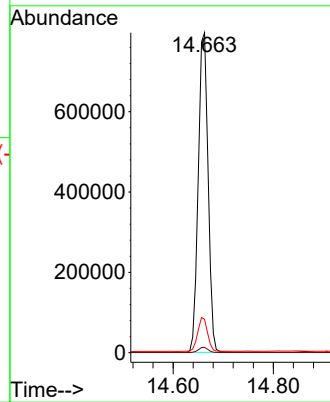
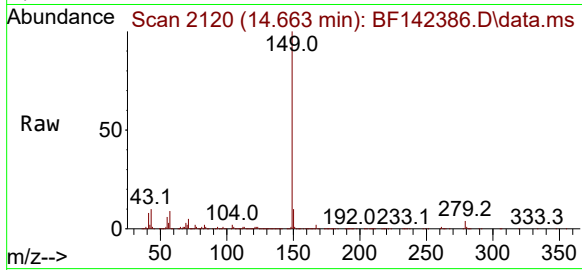




#85
Di-n-octyl phthalate
Concen: 49.196 ng
RT: 14.663 min Scan# 2121
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

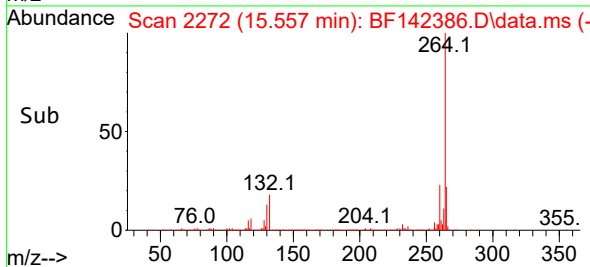
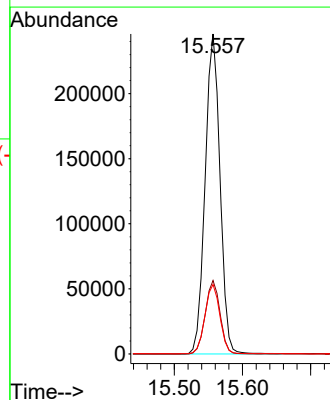
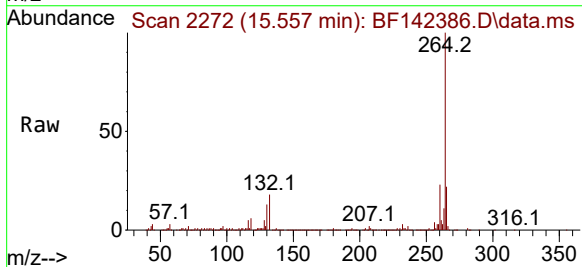
Instrument :
BNA_F
ClientSampleId :
PB167951BS

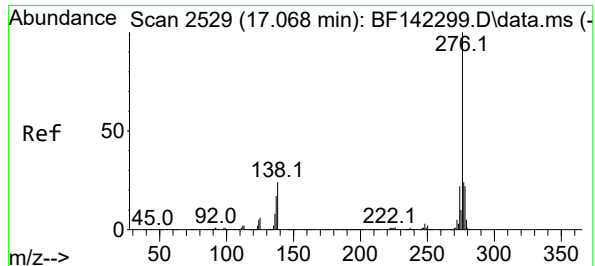
Tgt Ion:149 Resp: 1080903
Ion Ratio Lower Upper
149 100
167 1.6 1.1 1.7
43 10.5 9.2 13.8



#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# 2197

Delta R.T. -0.000 min

Lab File: BF142386.D

Acq: 15 May 2025 11:06

Instrument :

BNA_F

ClientSampleId :

PB167951BS

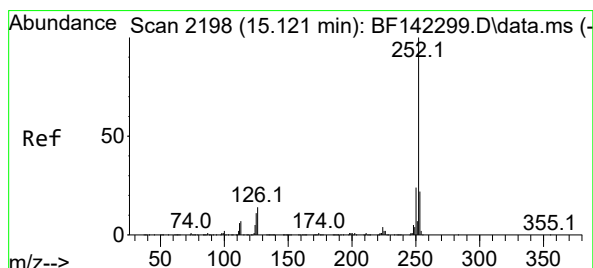
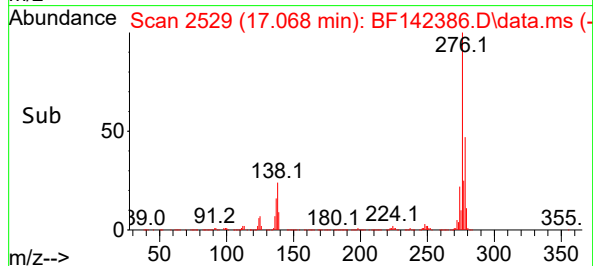
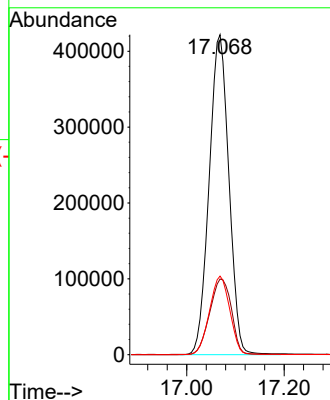
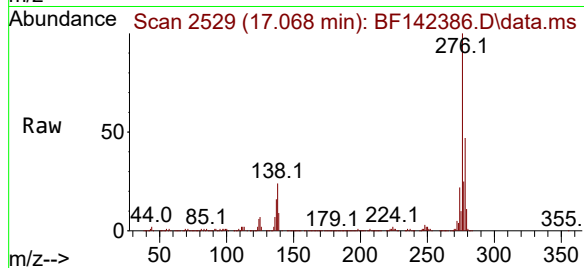
Tgt Ion:276 Resp: 1184117

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

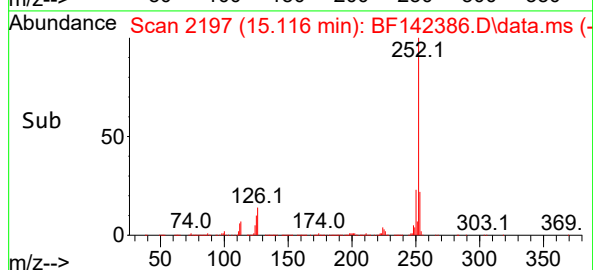
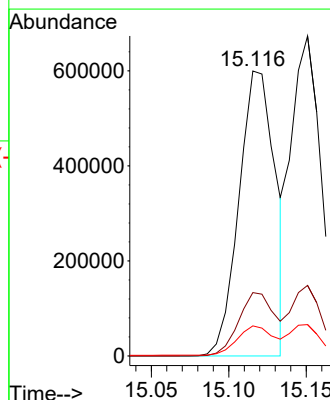
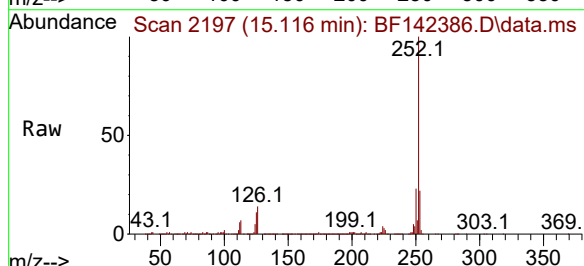
Tgt Ion:252 Resp: 975513

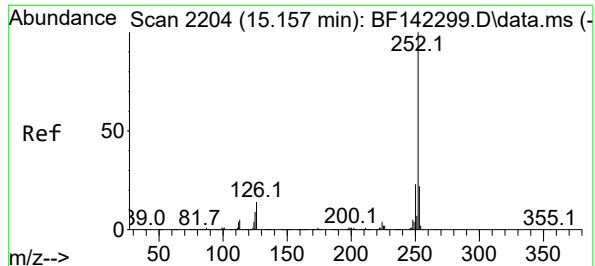
Ion Ratio Lower Upper

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# 21

Delta R.T. -0.006 min

Lab File: BF142386.D

Acq: 15 May 2025 11:06

Instrument :

BNA_F

ClientSampleId :

PB167951BS

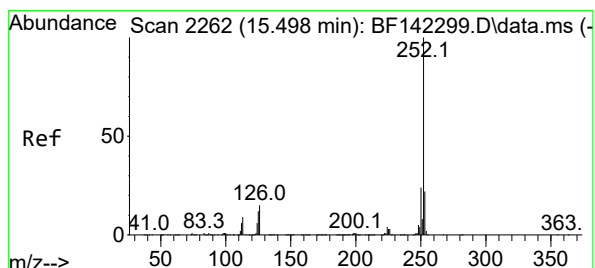
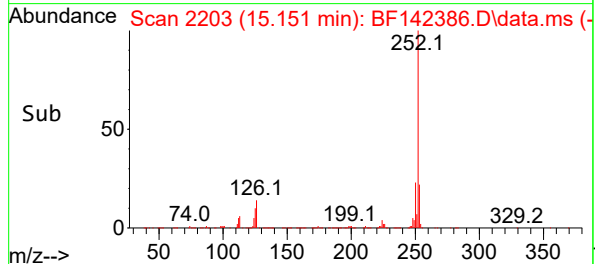
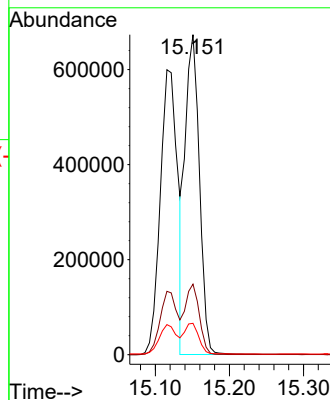
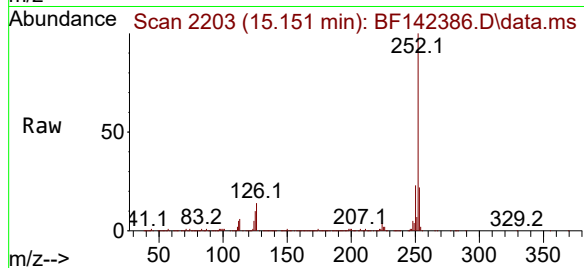
Tgt Ion:252 Resp: 902489

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

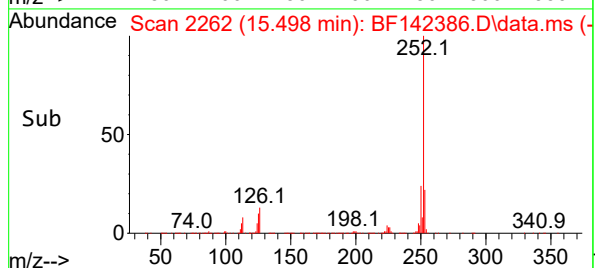
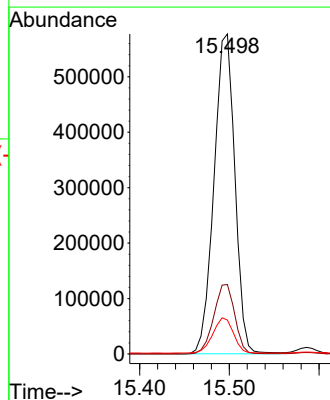
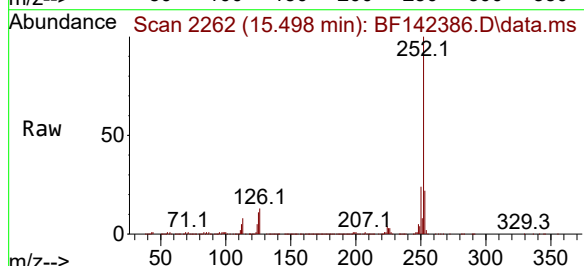
Tgt Ion:252 Resp: 932498

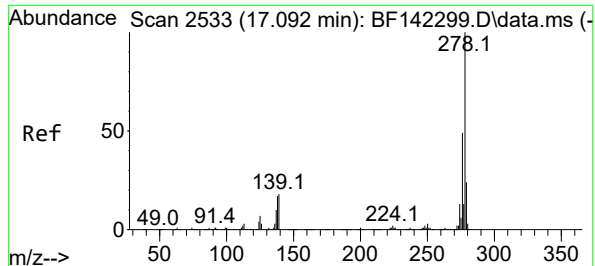
Ion Ratio Lower Upper

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# 21

Delta R.T. -0.006 min

Lab File: BF142386.D

Acq: 15 May 2025 11:06

Instrument :

BNA_F

ClientSampleId :

PB167951BS

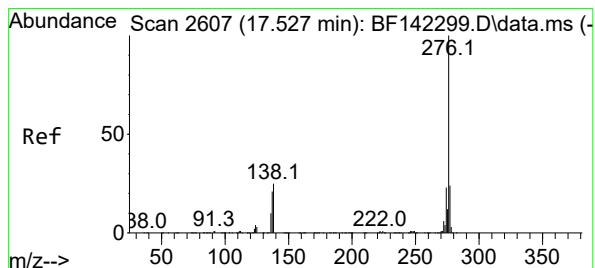
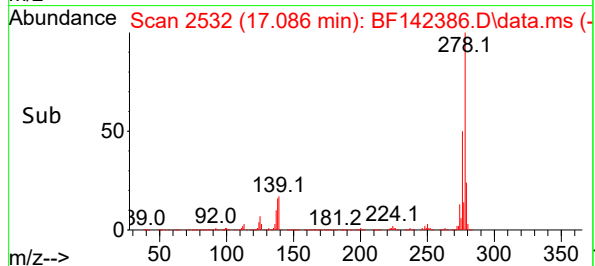
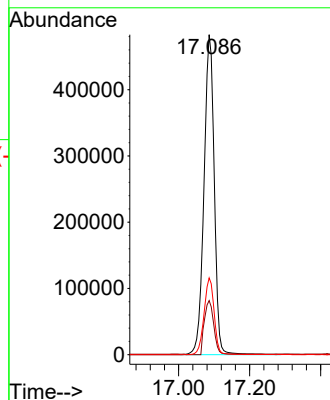
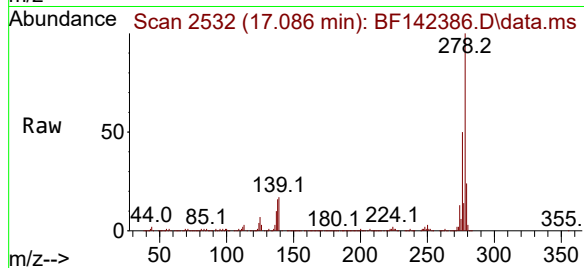
Tgt Ion:278 Resp: 974032

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

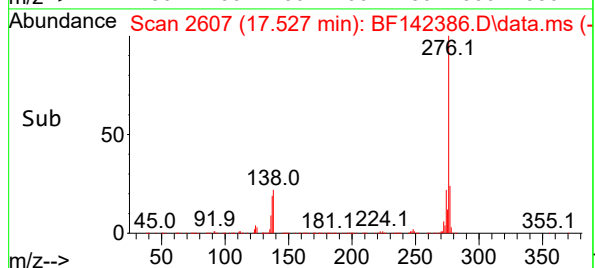
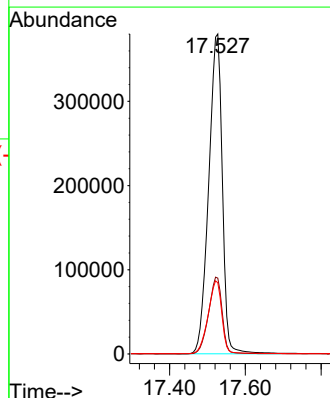
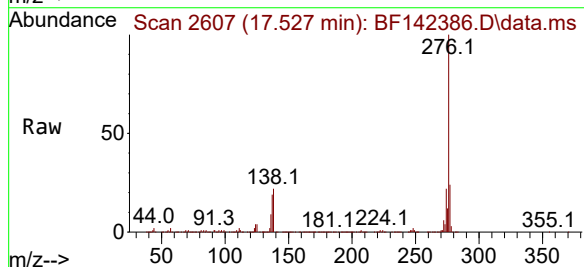
Tgt Ion:276 Resp: 943811

Ion Ratio Lower Upper

276 100

277 23.7 19.0 28.6

138 22.2 19.8 29.6



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

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

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

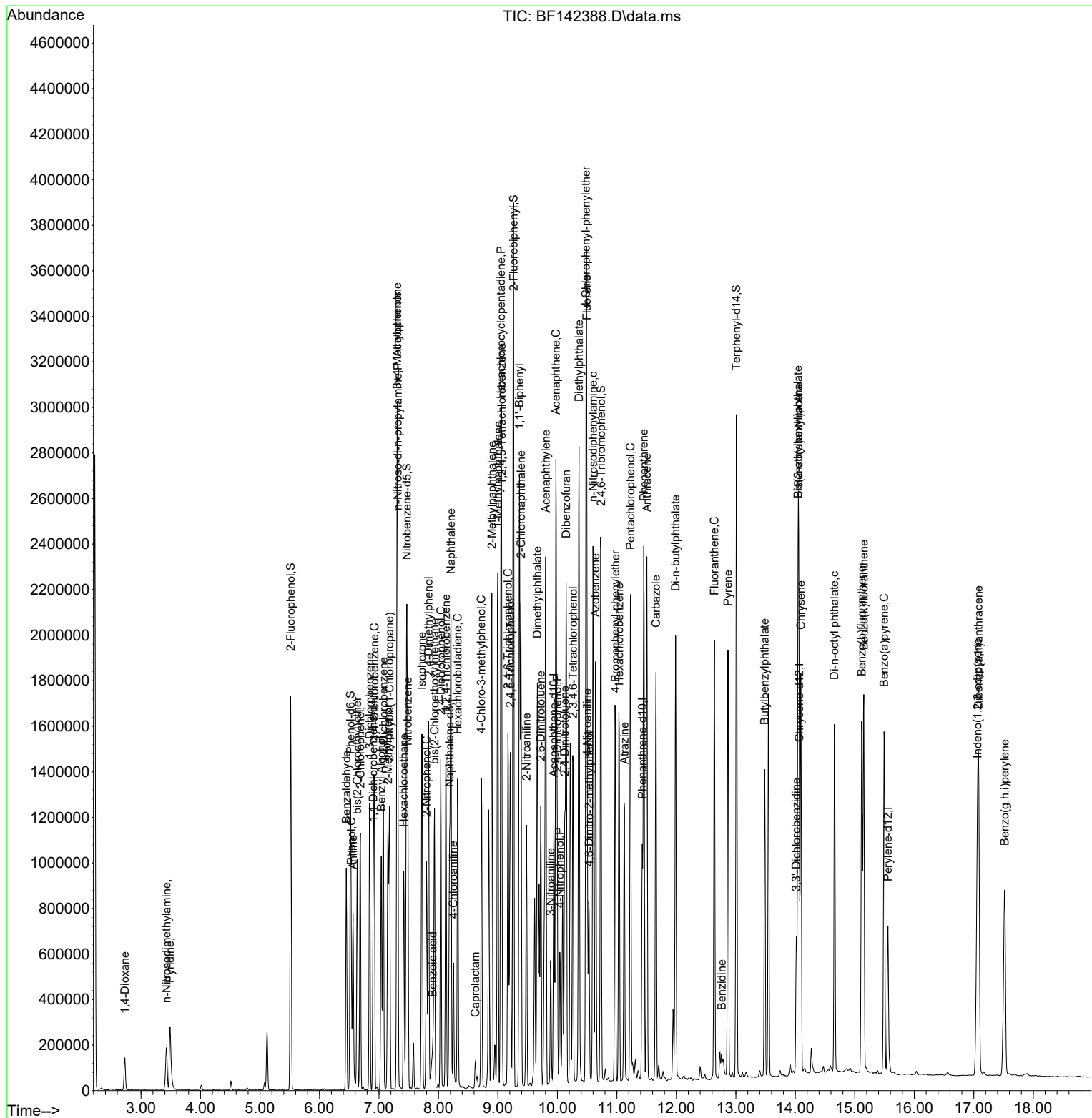
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	304721	46.570	ng	98
46) 1,1'-Biphenyl	9.363	154	1168846	43.670	ng	99
47) 2-Chloronaphthalene	9.387	162	866810	43.548	ng	99
48) 2-Nitroaniline	9.481	65	257479	50.466	ng	91
49) Acenaphthylene	9.804	152	1443735	43.358	ng	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

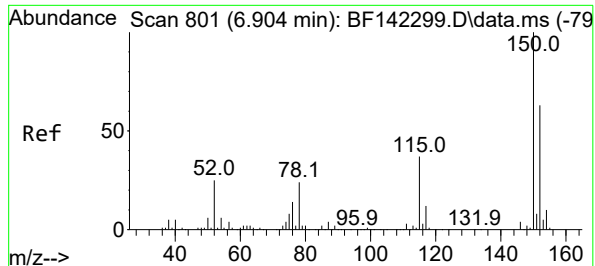
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 Data File : BF142388.D
 Acq On : 15 May 2025 12:18
 Operator : RC/JU
 Sample : Q1993-02MS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MW-3-20250508MS

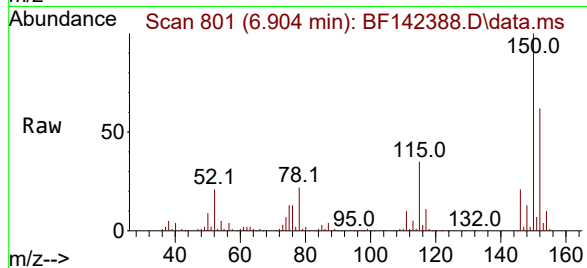
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 05 18:41:44 2025
 Response via : Initial Calibration



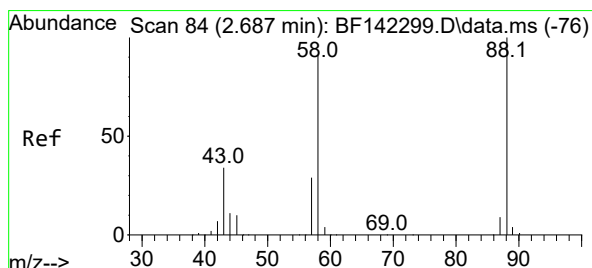
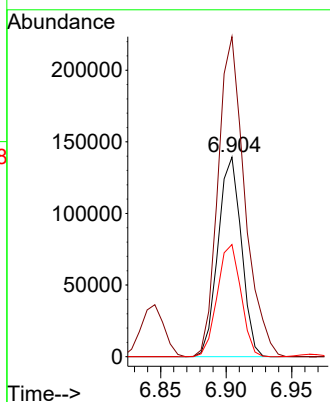
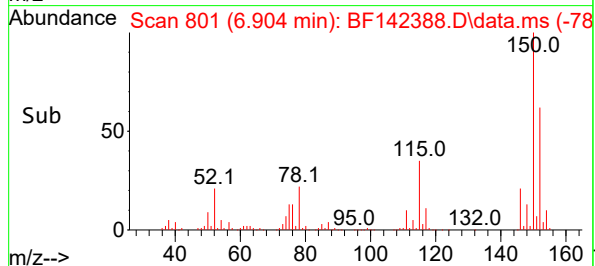


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 80
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

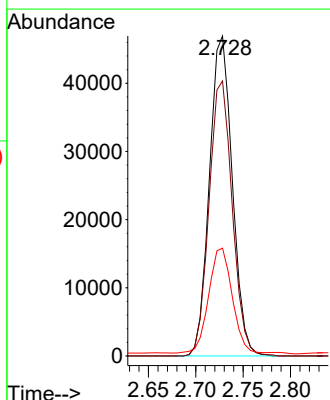
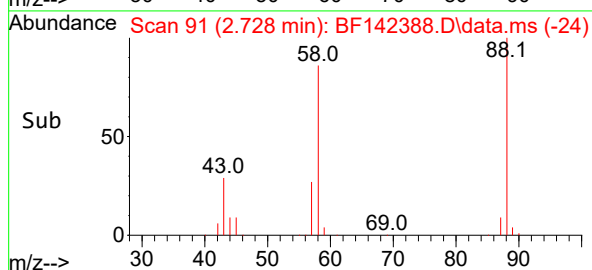
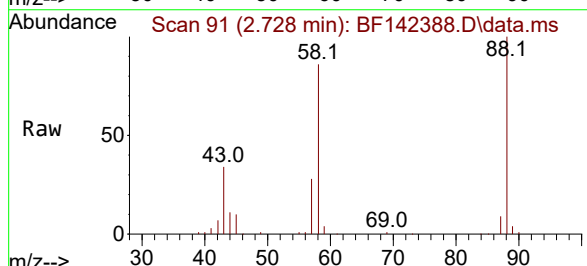


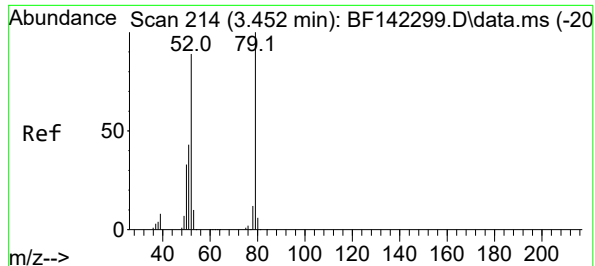
Tgt Ion:152 Resp: 172758
Ion Ratio Lower Upper
152 100
150 160.4 126.6 190.0
115 56.2 47.3 70.9



#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

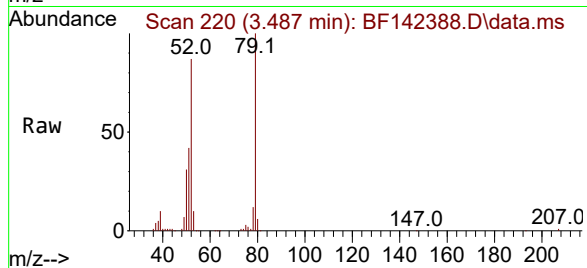
Tgt Ion: 88 Resp: 78691
Ion Ratio Lower Upper
88 100
58 87.3 73.0 109.4
43 33.6 27.8 41.6



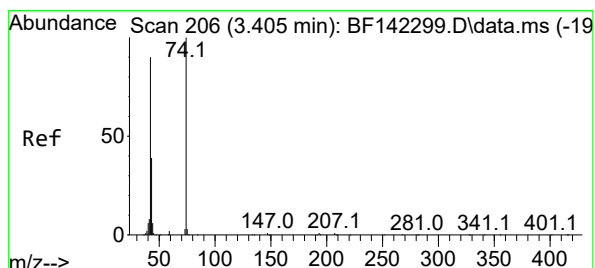
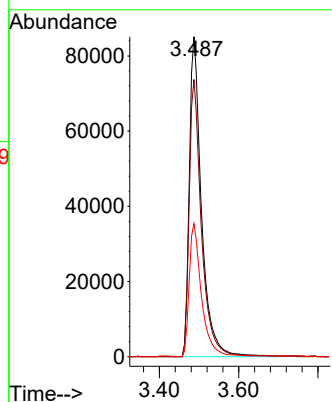
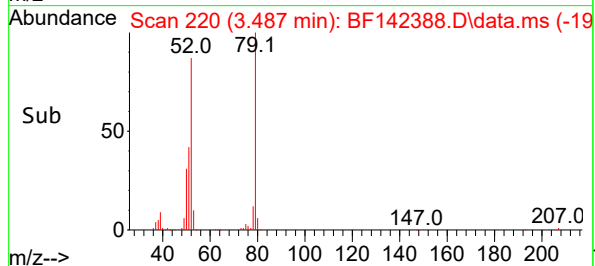


#3
Pyridine
Concen: 17.042 ng
RT: 3.487 min Scan# 214
Delta R.T. 0.035 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

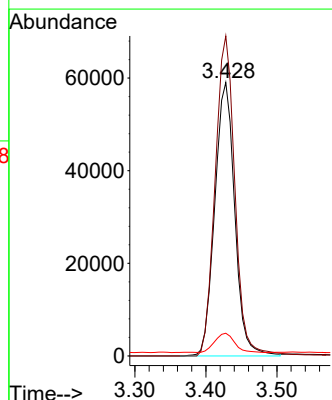
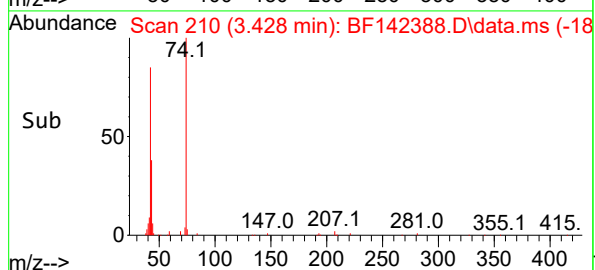
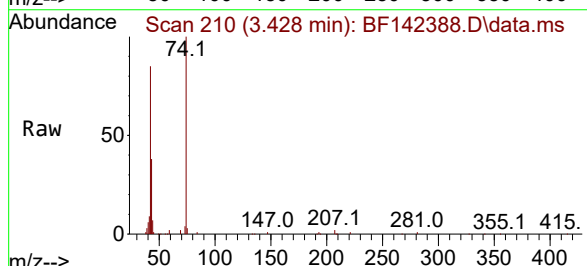


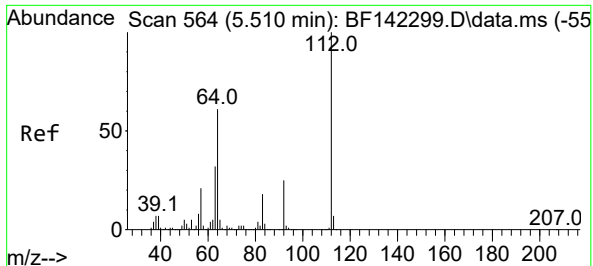
Tgt Ion: 79 Resp: 182339
Ion Ratio Lower Upper
79 100
52 86.6 71.0 106.4
51 41.6 34.9 52.3



#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

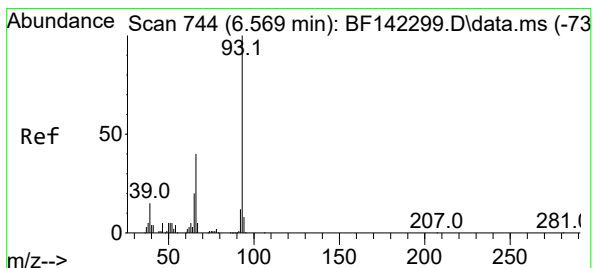
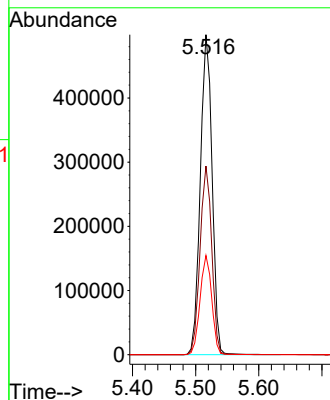
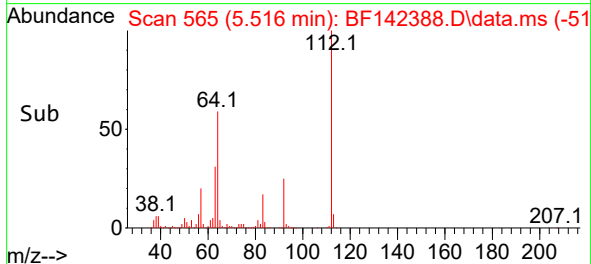
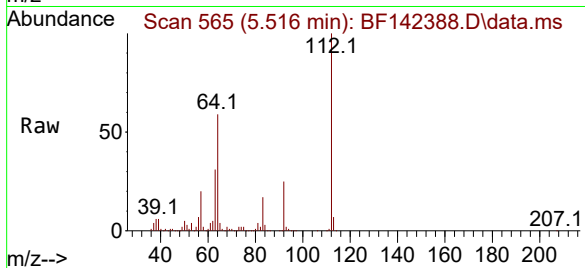




#5
2-Fluorophenol
Concen: 63.759 ng
RT: 5.516 min Scan# 50
Delta R.T. 0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

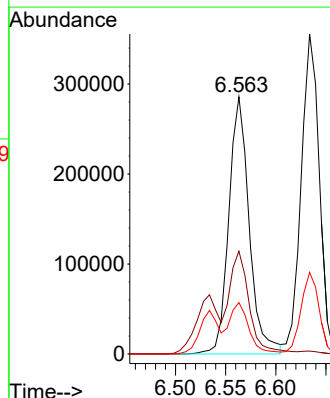
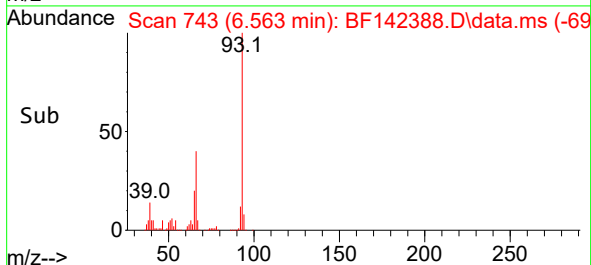
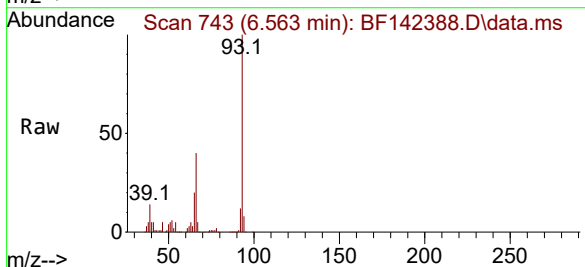
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

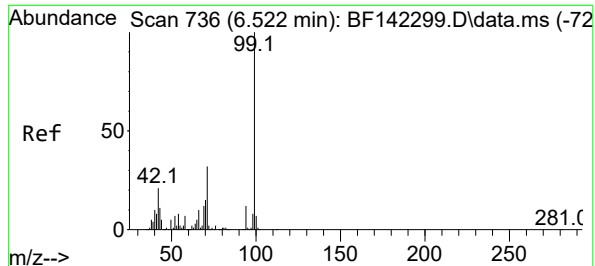
Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.9	48.9	73.3
63	31.0	25.6	38.4



#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	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# 736

Delta R.T. 0.000 min

Lab File: BF142388.D

Acq: 15 May 2025 12:18

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MS

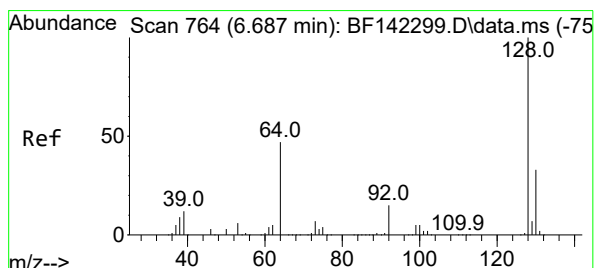
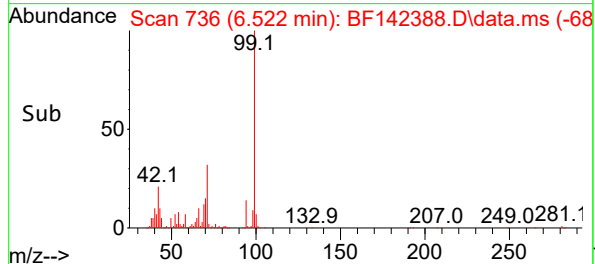
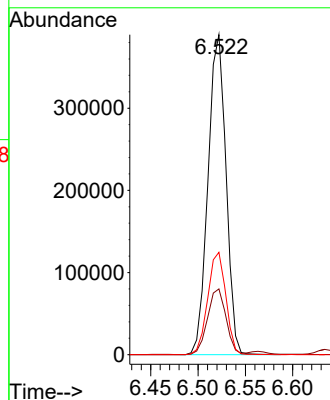
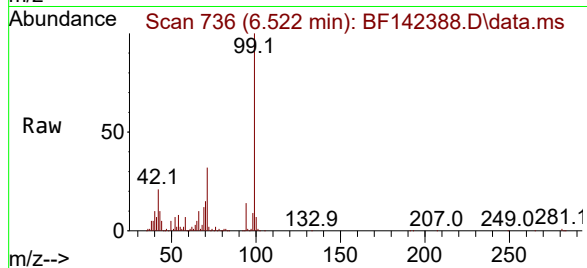
Tgt Ion: 99 Resp: 513718

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

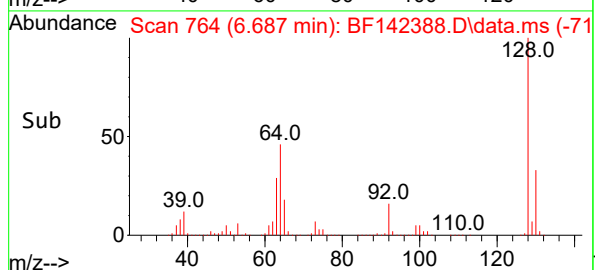
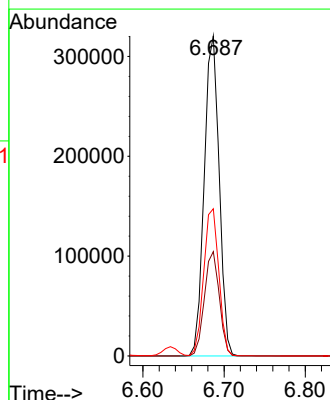
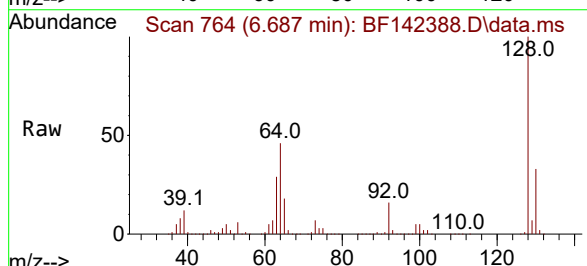
Tgt Ion: 128 Resp: 409681

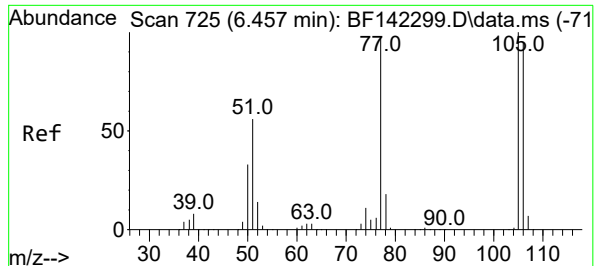
Ion Ratio Lower Upper

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# 71

Delta R.T. -0.006 min

Lab File: BF142388.D

Acq: 15 May 2025 12:18

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MS

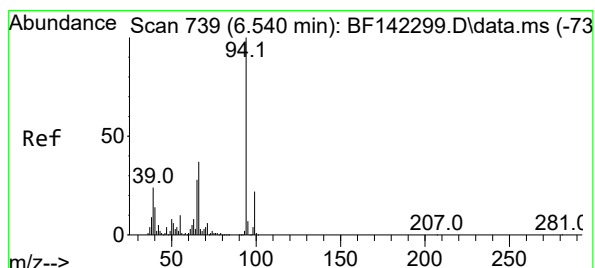
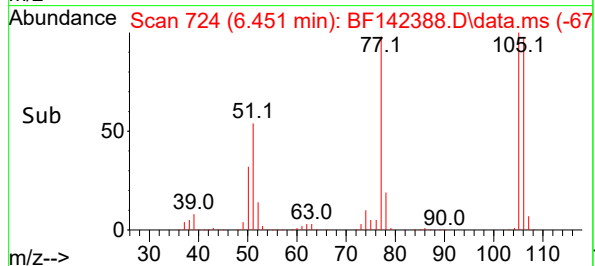
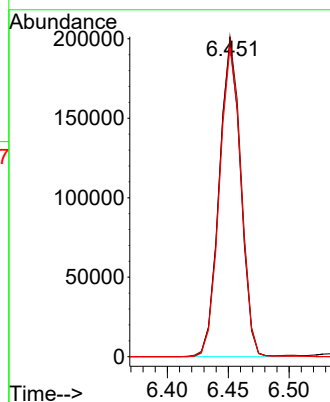
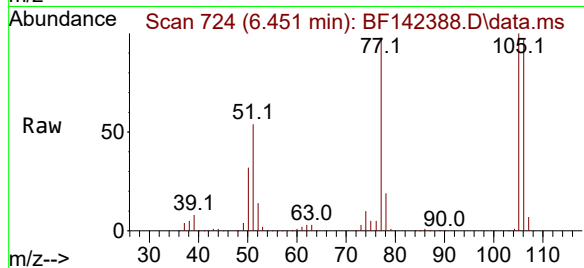
Tgt Ion: 77 Resp: 243231

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

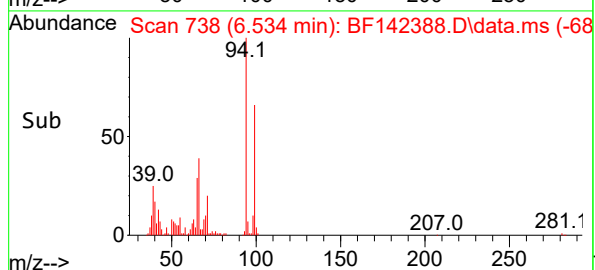
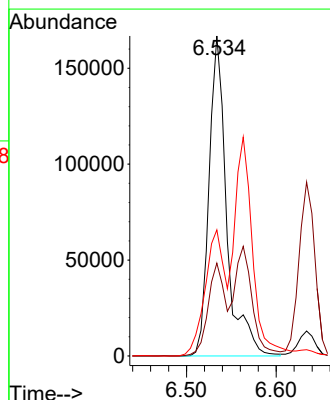
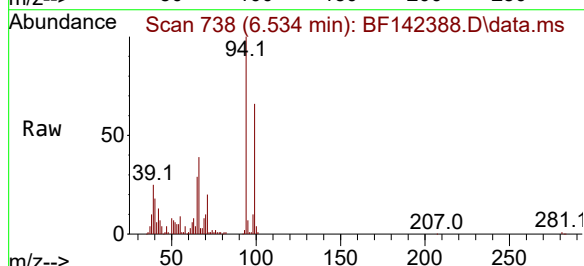
Tgt Ion: 94 Resp: 228634

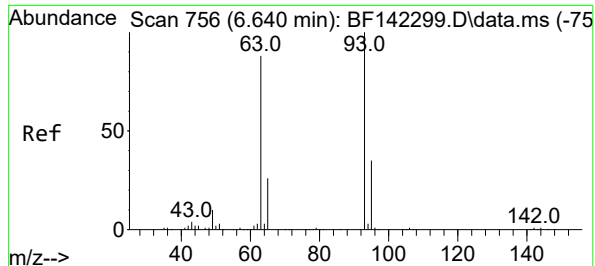
Ion Ratio Lower Upper

94 100

65 29.0 8.5 48.5

66 39.4 17.3 57.3

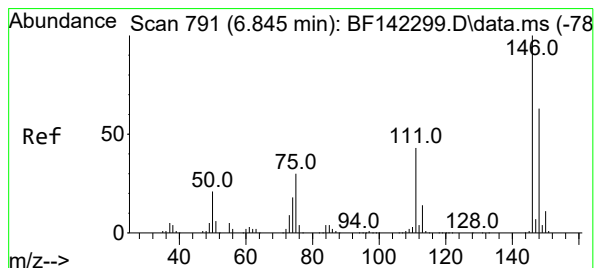
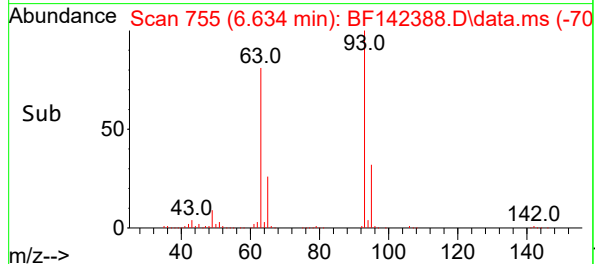
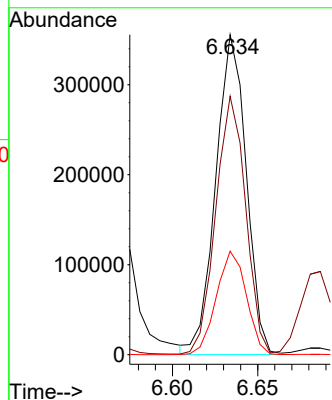
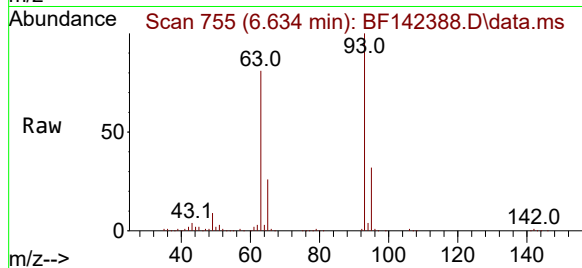




#11
bis(2-Chloroethyl)ether
Concen: 34.066 ng
RT: 6.634 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

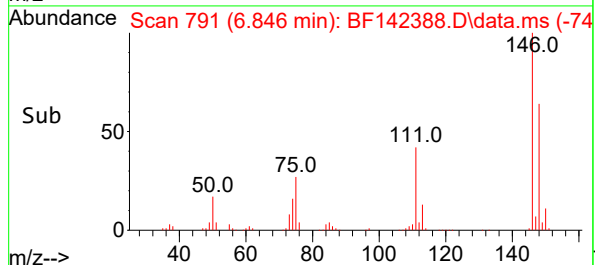
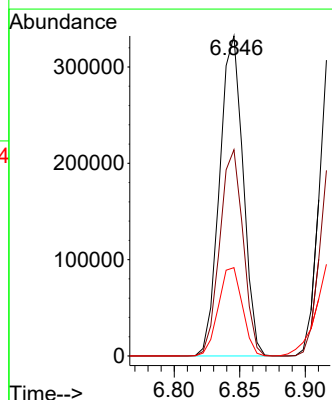
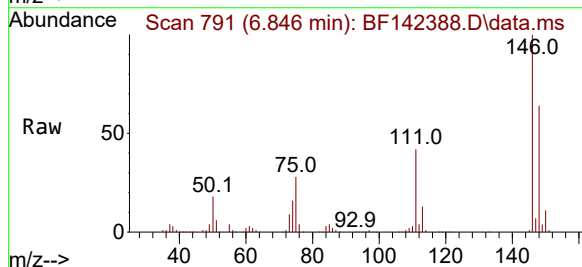
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

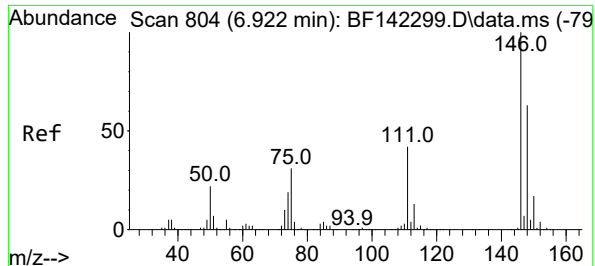
Tgt Ion: 93 Resp: 443232
Ion Ratio Lower Upper
93 100
63 80.7 58.4 98.4
95 32.4 10.6 50.6



#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# 804

Delta R.T. 0.000 min

Lab File: BF142388.D

Acq: 15 May 2025 12:18

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MS

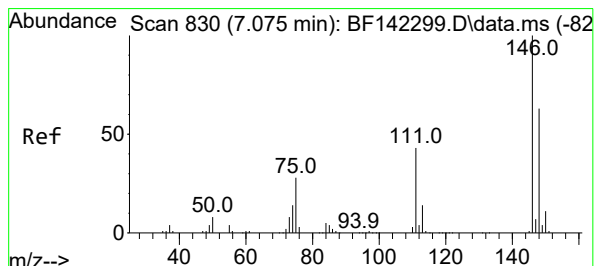
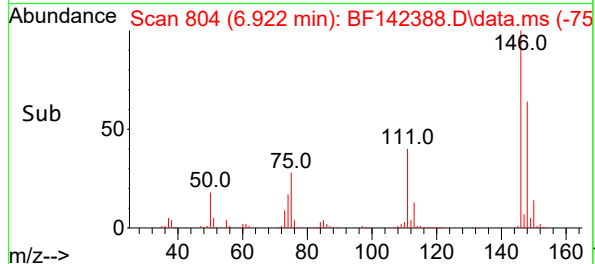
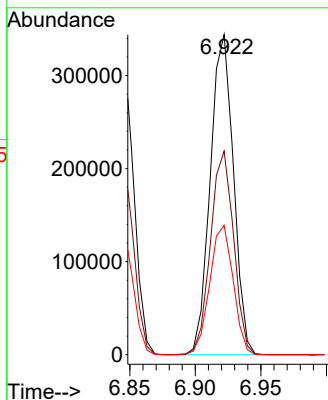
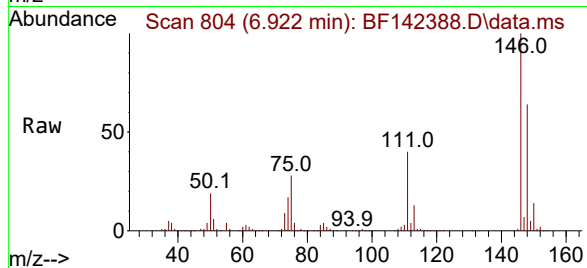
Tgt Ion:146 Resp: 422266

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

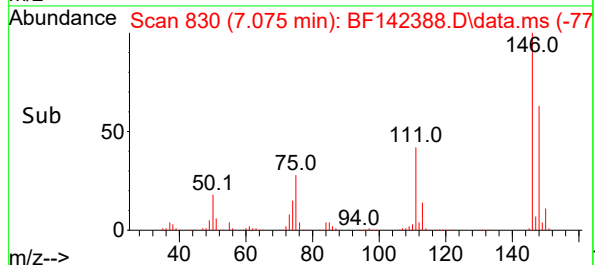
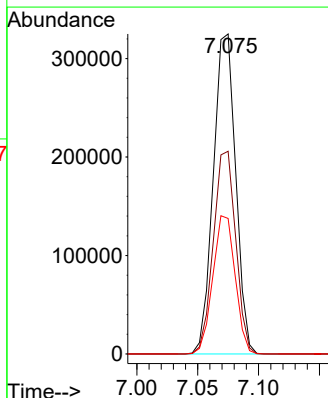
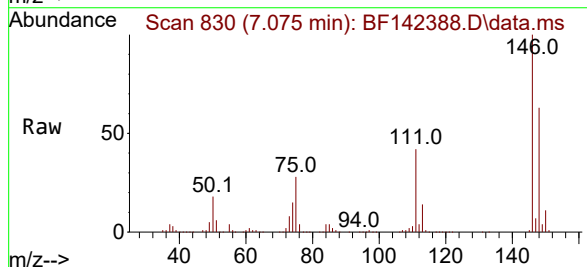
Tgt Ion:146 Resp: 416285

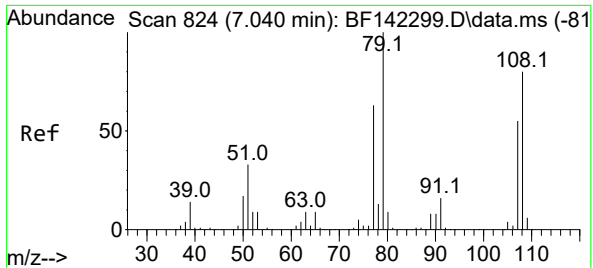
Ion Ratio Lower Upper

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# 81

Delta R.T. 0.000 min

Lab File: BF142388.D

Acq: 15 May 2025 12:18

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MS

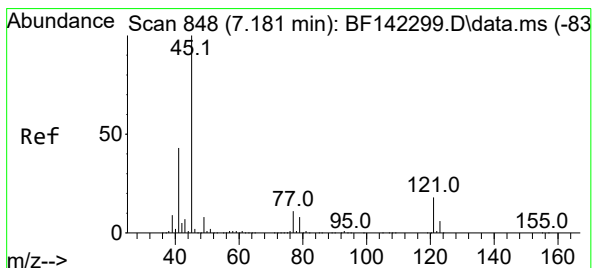
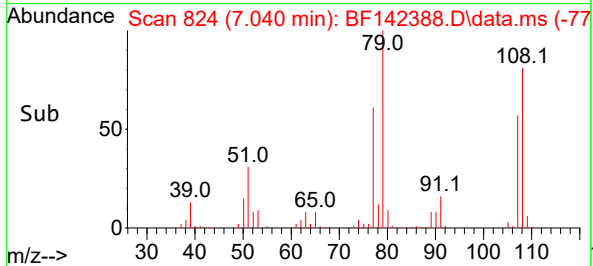
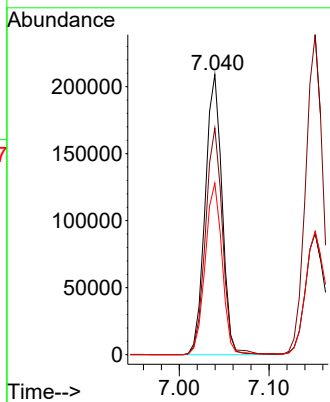
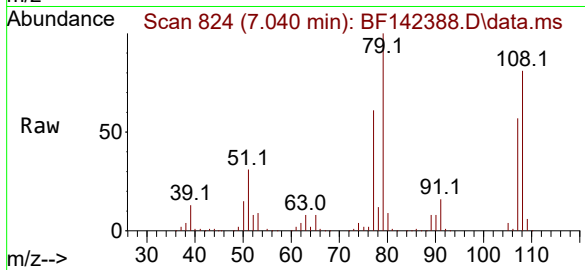
Tgt Ion: 79 Resp: 272744

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

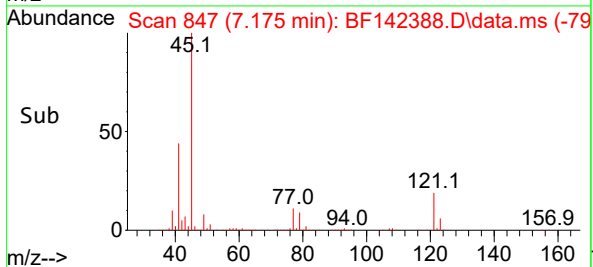
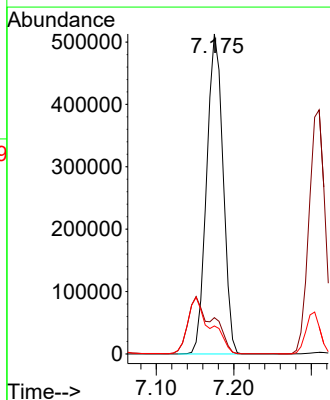
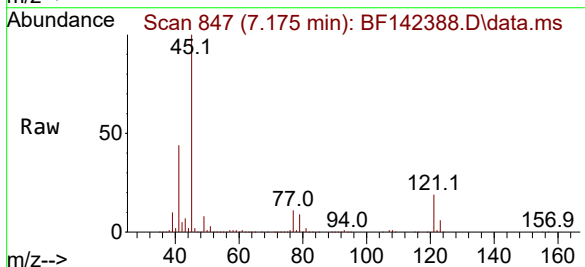
Tgt Ion: 45 Resp: 753579

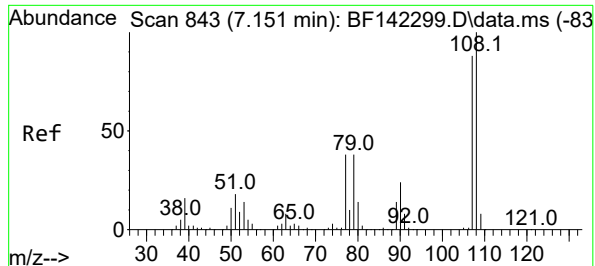
Ion Ratio Lower Upper

45 100

77 11.3 0.0 31.2

79 8.8 0.0 28.5

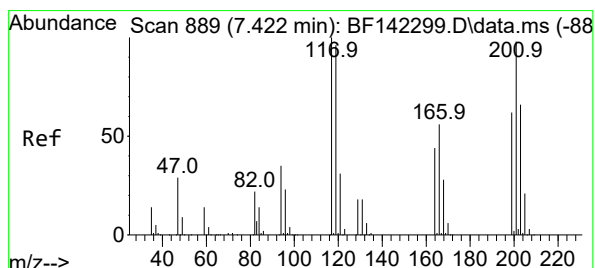
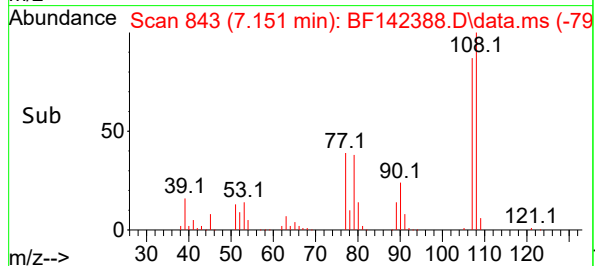
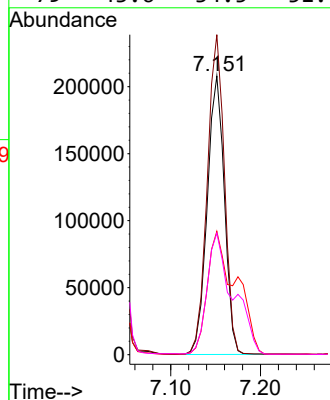
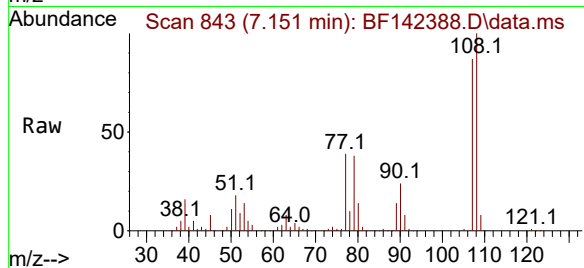




#17
2-Methylphenol
Concen: 31.577 ng
RT: 7.151 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

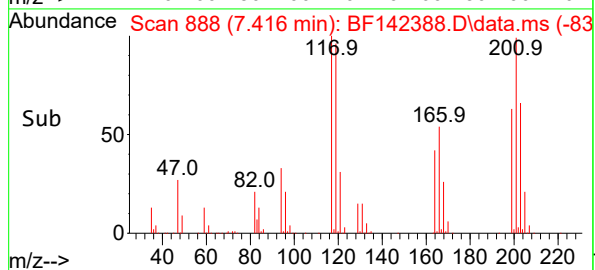
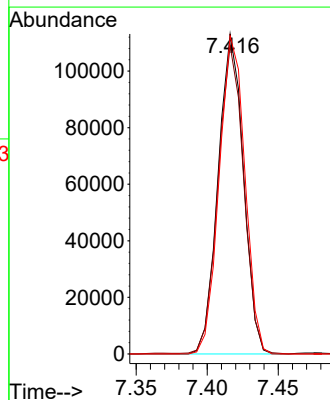
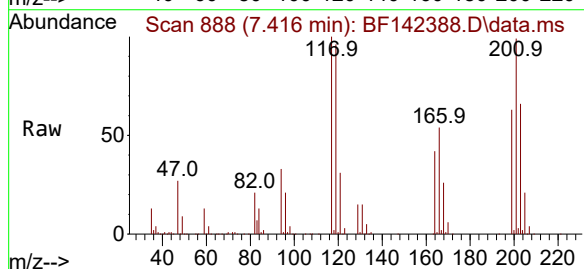
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

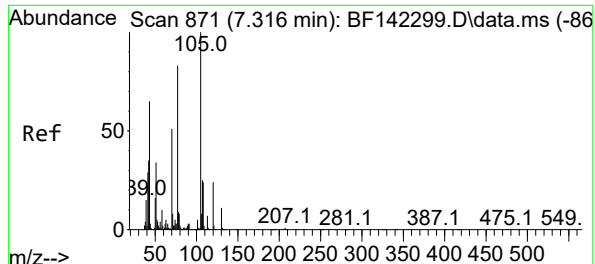
Tgt Ion:	107	Resp:	276466
Ion	Ratio	Lower	Upper
107	100		
108	114.8	91.1	136.7
77	44.2	34.7	52.1
79	43.6	34.5	51.7



#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# 871

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

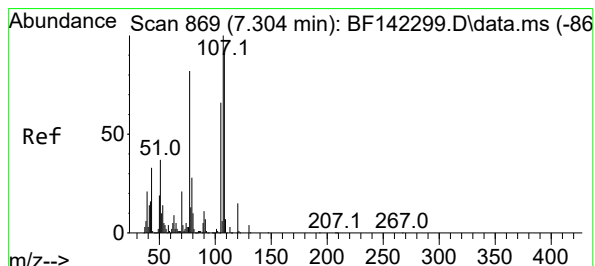
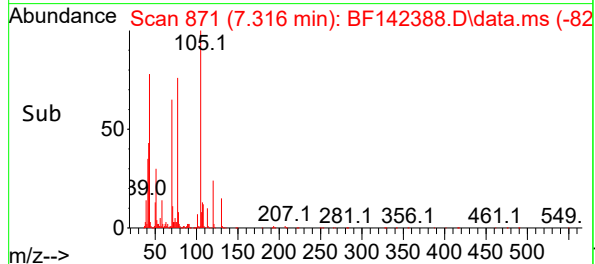
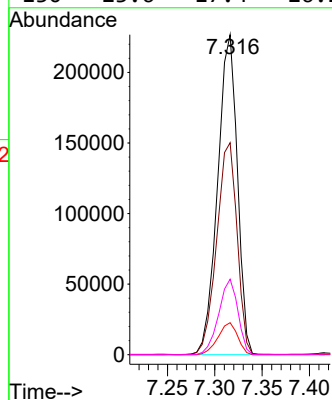
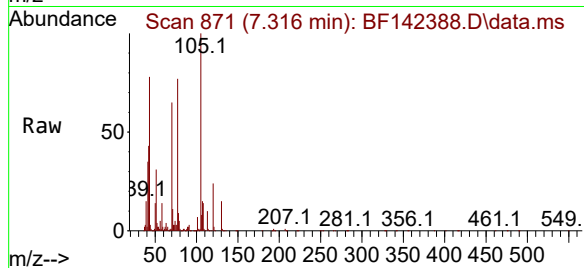
Ion Ratio Lower Upper

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

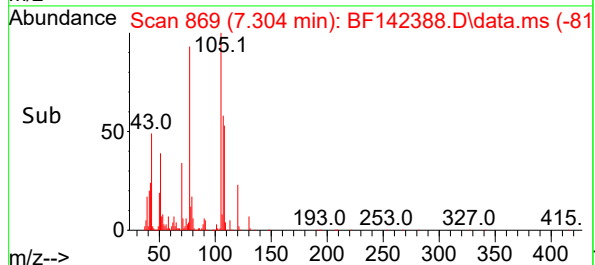
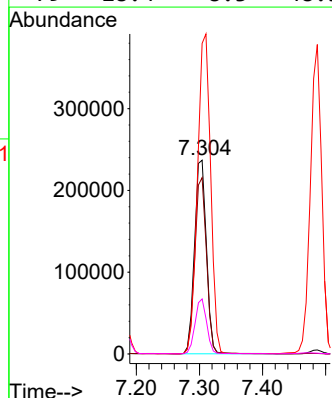
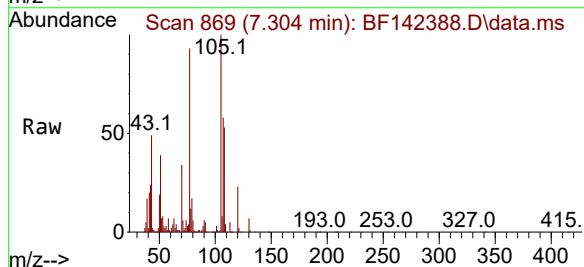
Ion Ratio Lower Upper

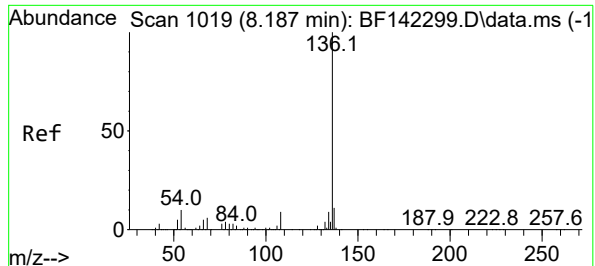
107 100

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# 1019

Delta R.T. 0.000 min

Lab File: BF142388.D

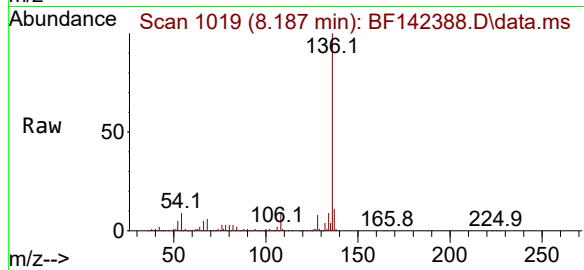
Acq: 15 May 2025 12:18

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MS



Tgt Ion:136 Resp: 661579

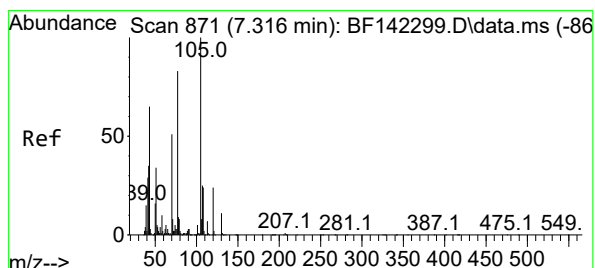
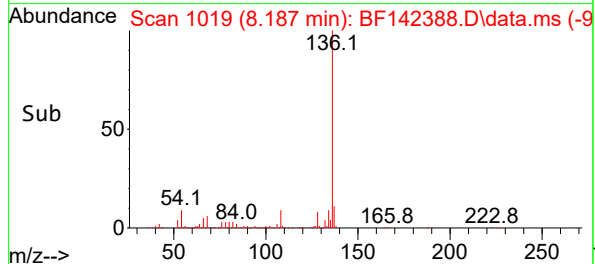
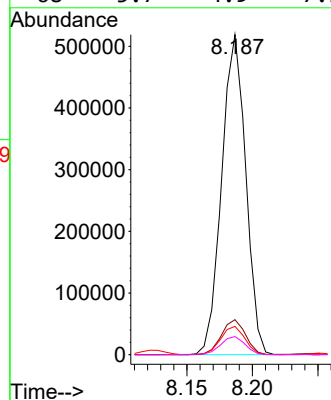
Ion Ratio Lower Upper

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

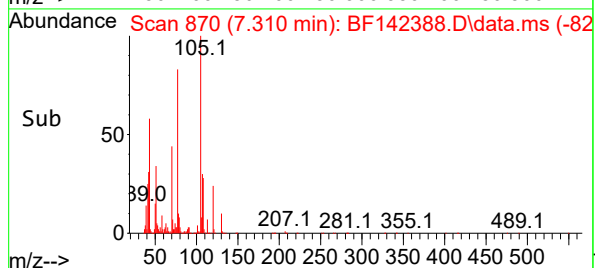
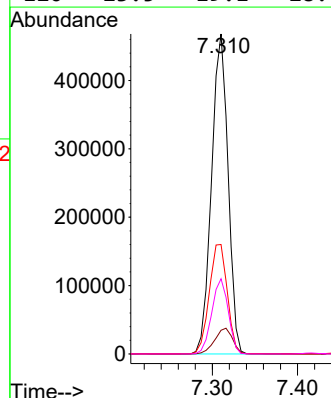
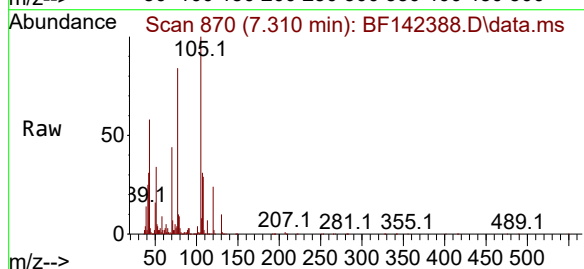
Ion Ratio Lower Upper

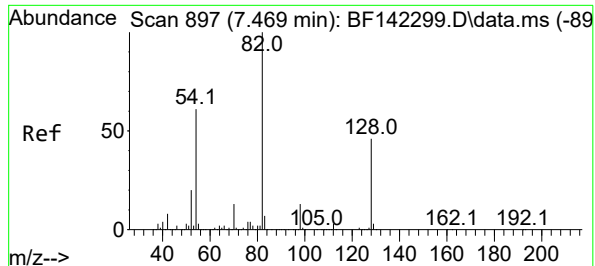
105 100

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# 897

Delta R.T. 0.000 min

Lab File: BF142388.D

Acq: 15 May 2025 12:18

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MS

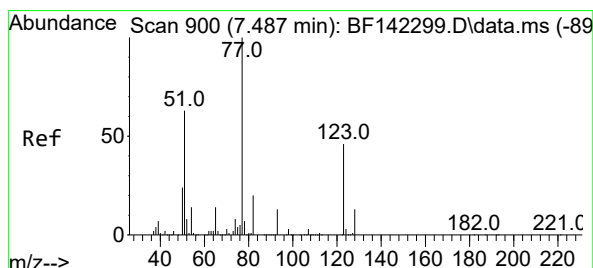
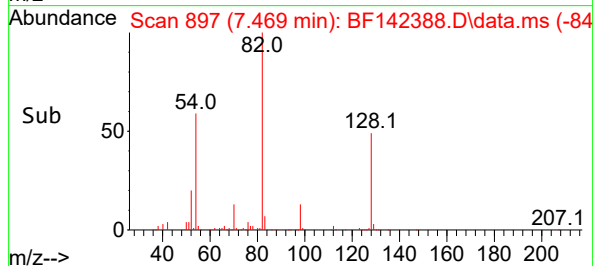
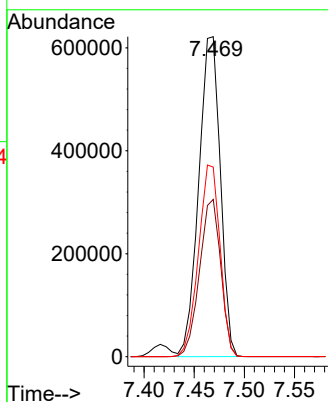
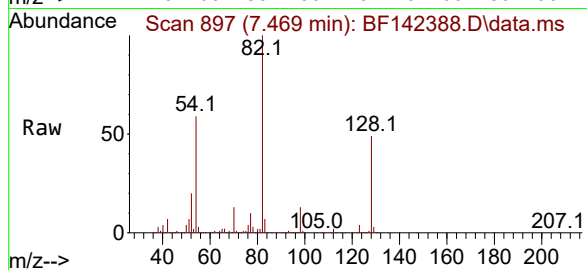
Tgt Ion: 82 Resp: 932224

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

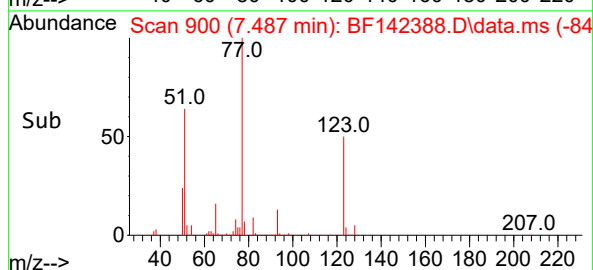
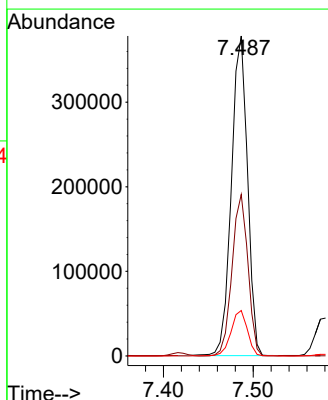
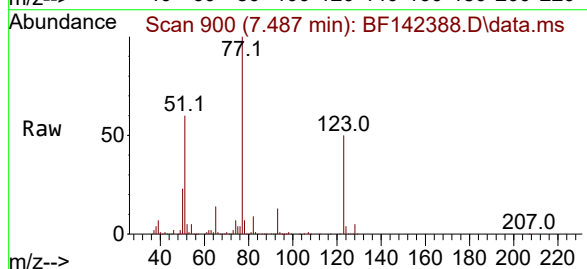
Tgt Ion: 77 Resp: 471629

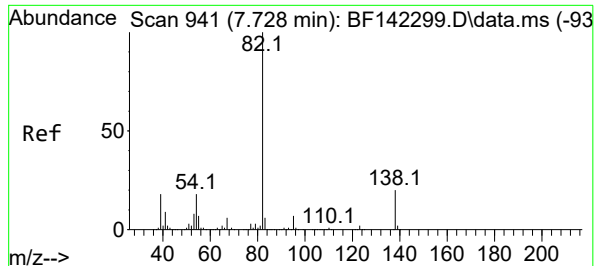
Ion Ratio Lower Upper

77 100

123 50.4 37.8 56.8

65 14.2 11.4 17.0

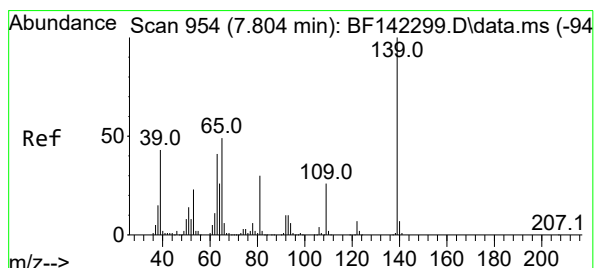
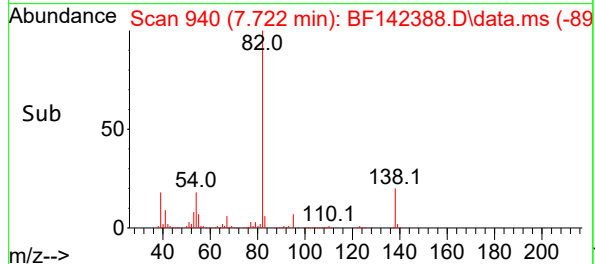
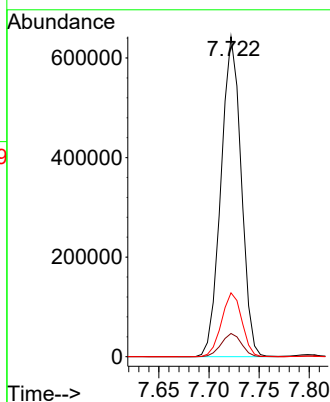
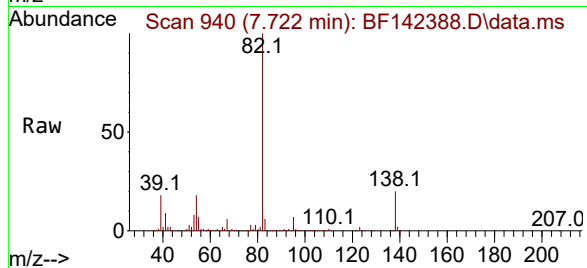




#25
Isophorone
Concen: 43.939 ng
RT: 7.722 min Scan# 941
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

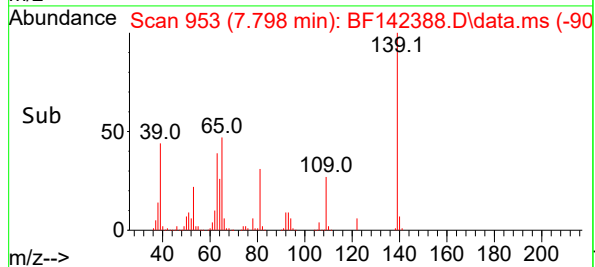
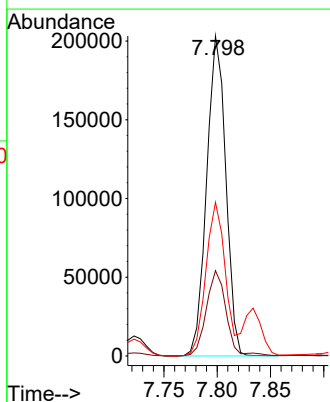
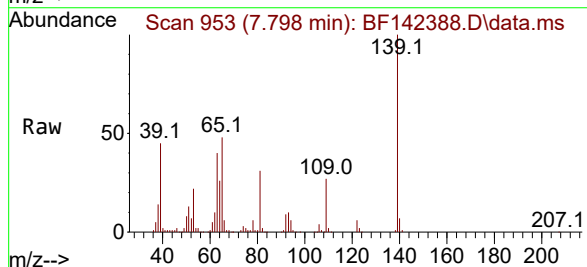
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

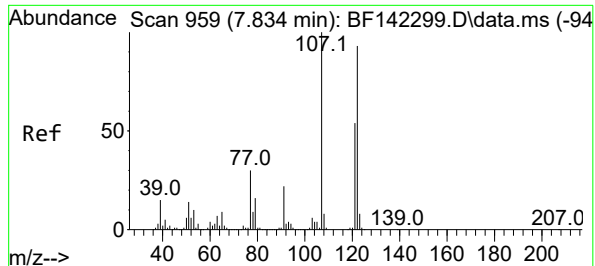
Tgt Ion: 82 Resp: 902585
Ion Ratio Lower Upper
82 100
95 7.3 5.8 8.8
138 20.0 16.1 24.1



#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# 91

Delta R.T. 0.000 min

Lab File: BF142388.D

Acq: 15 May 2025 12:18

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MS

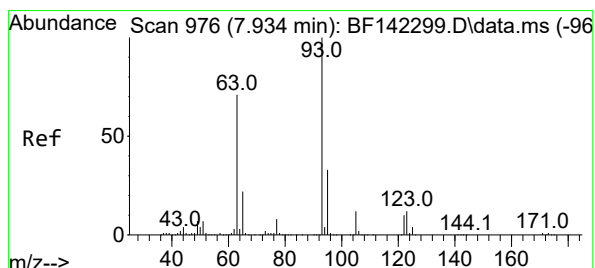
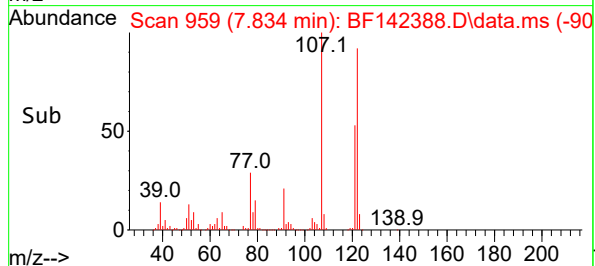
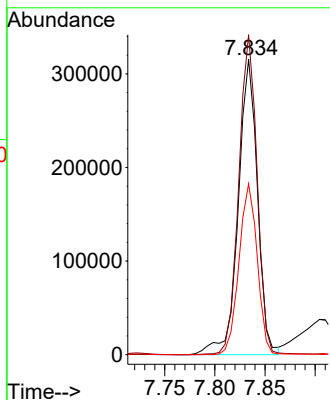
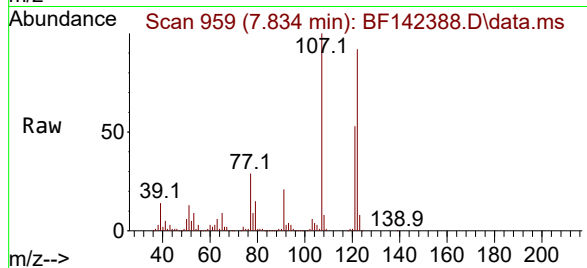
Tgt Ion:122 Resp: 422391

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

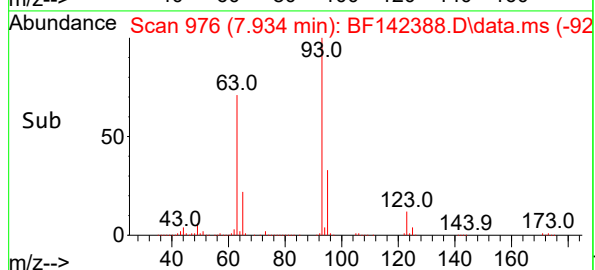
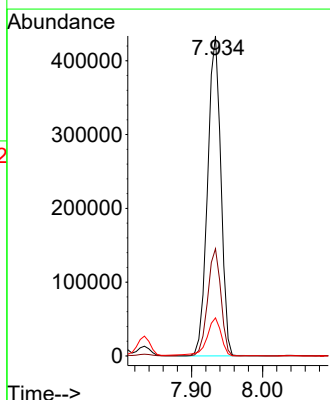
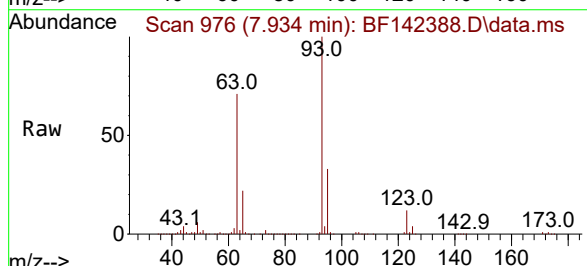
Tgt Ion: 93 Resp: 563392

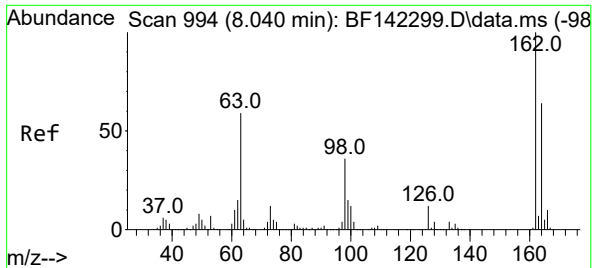
Ion Ratio Lower Upper

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# 994

Delta R.T. 0.000 min

Lab File: BF142388.D

Acq: 15 May 2025 12:18

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MS

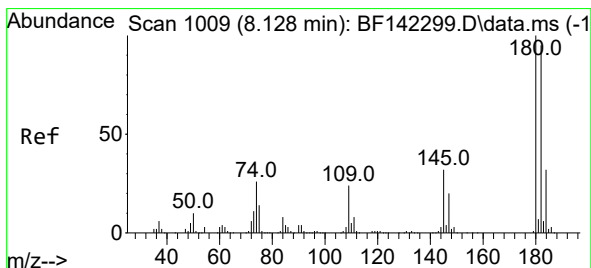
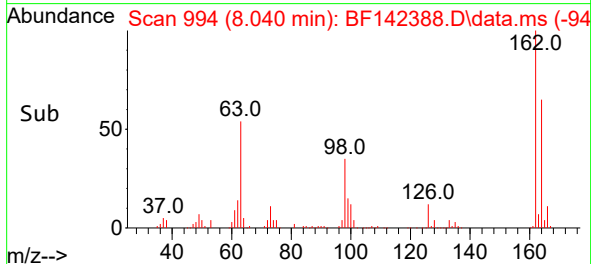
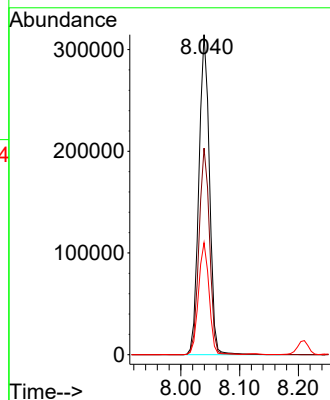
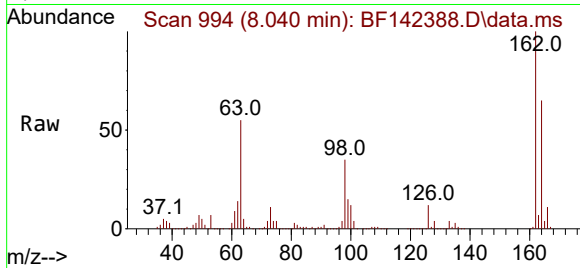
Tgt Ion:162 Resp: 394568

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

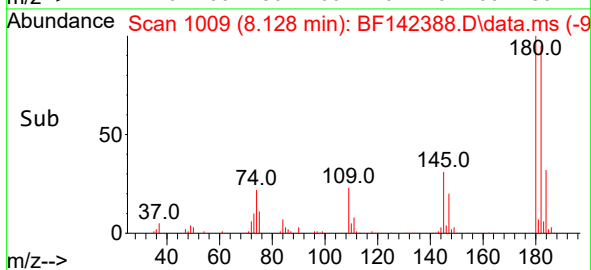
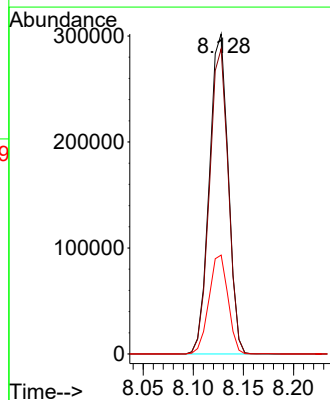
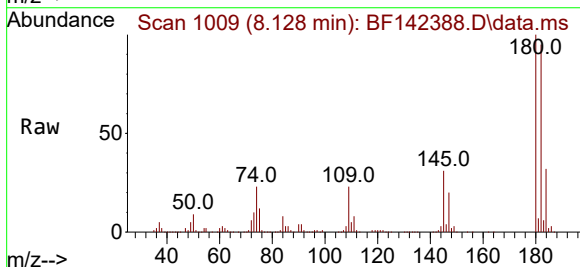
Tgt Ion:180 Resp: 395832

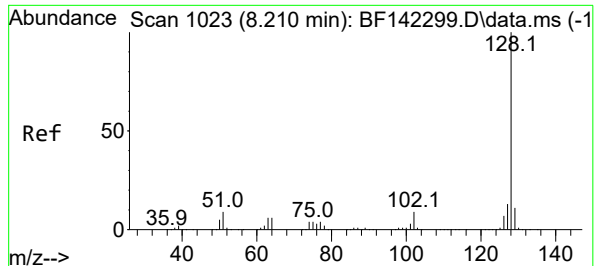
Ion Ratio Lower Upper

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# 1023

Delta R.T. 0.000 min

Lab File: BF142388.D

Acq: 15 May 2025 12:18

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MS

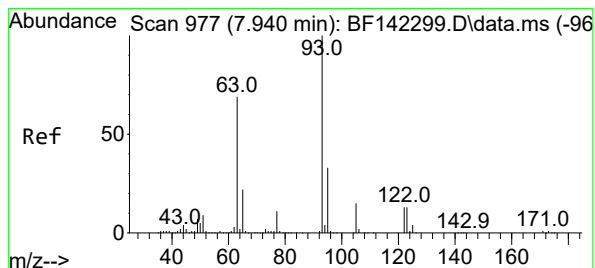
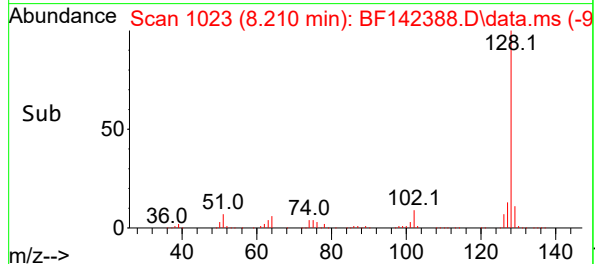
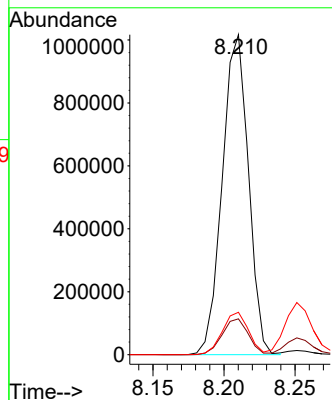
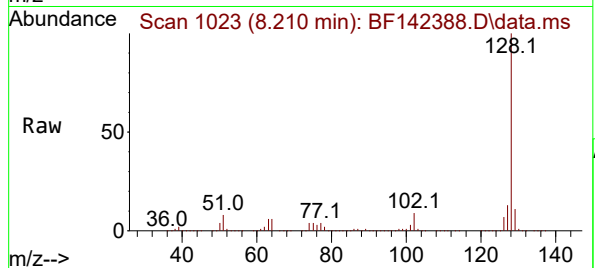
Tgt Ion:128 Resp: 1302962

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

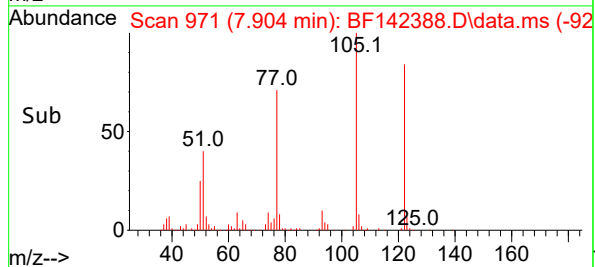
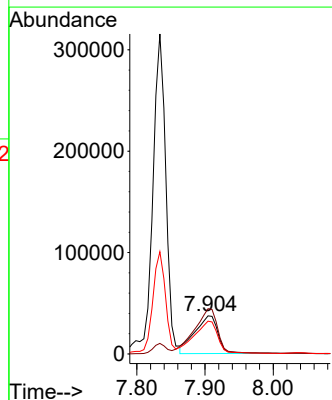
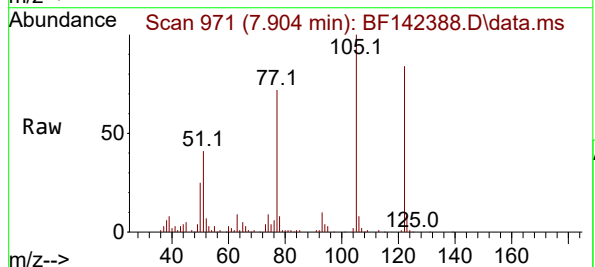
Tgt Ion:122 Resp: 88700

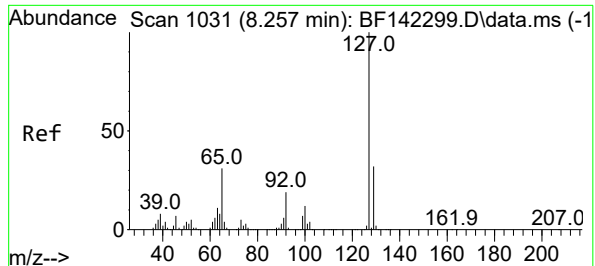
Ion Ratio Lower Upper

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# 1030

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

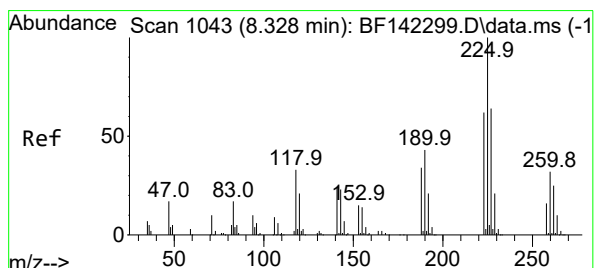
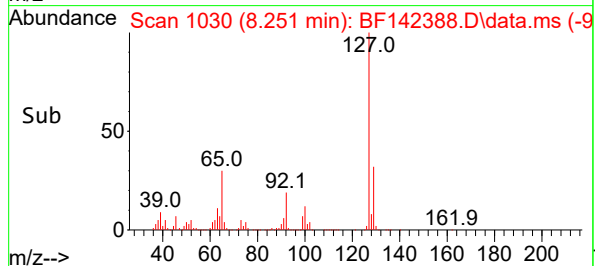
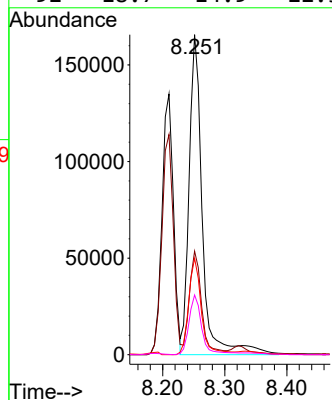
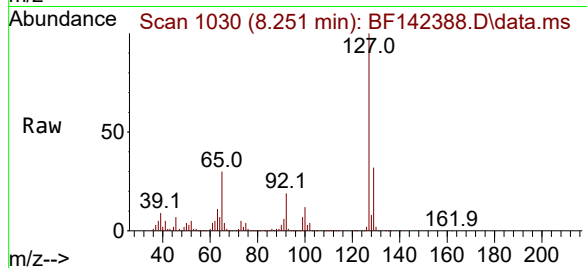
Ion Ratio Lower Upper

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

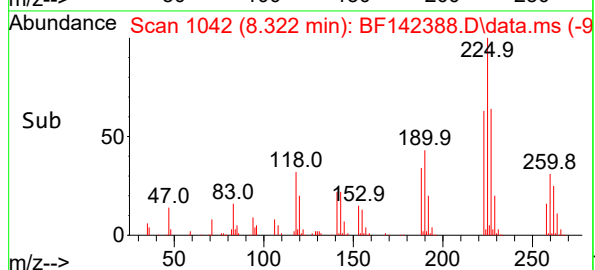
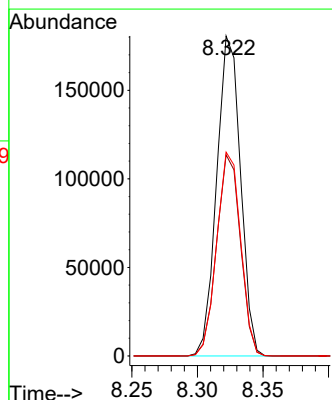
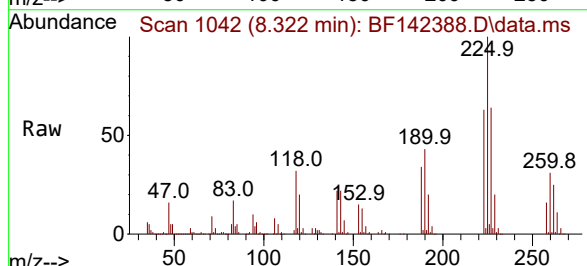
Tgt Ion:225 Resp: 227885

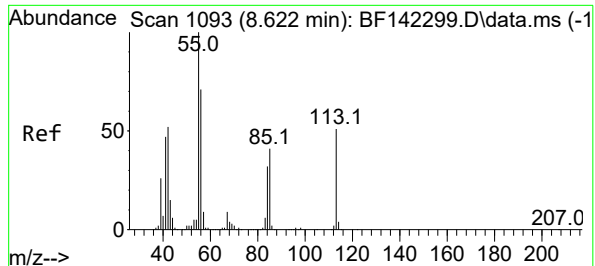
Ion Ratio Lower Upper

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# 1109

Delta R.T. 0.000 min

Lab File: BF142388.D

Acq: 15 May 2025 12:18

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MS

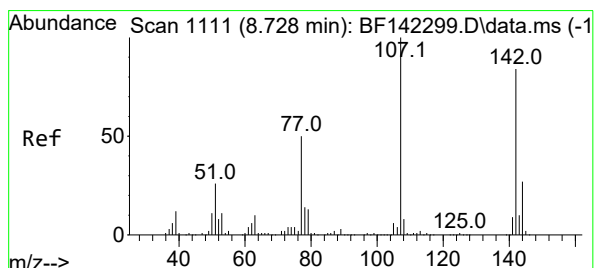
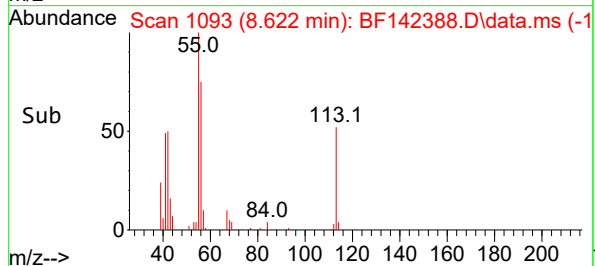
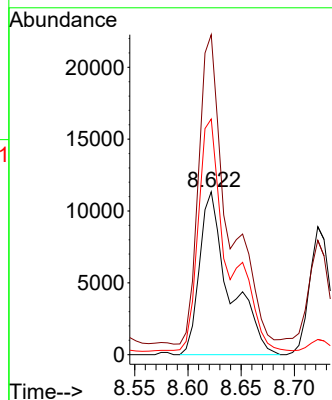
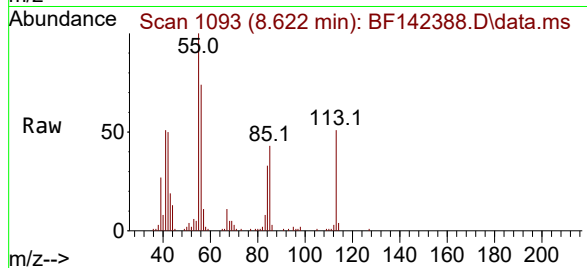
Tgt Ion:113 Resp: 22274

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

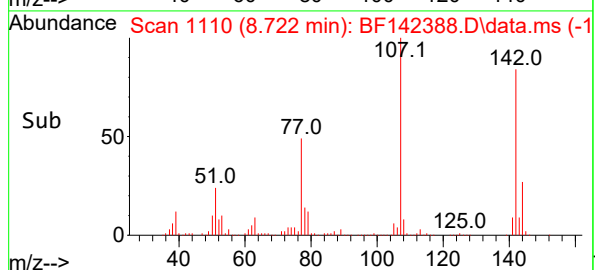
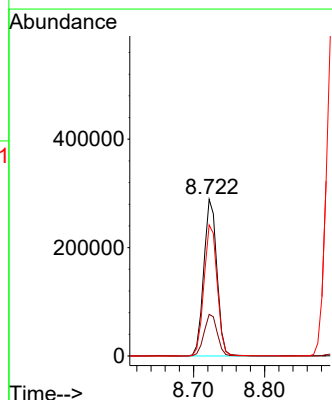
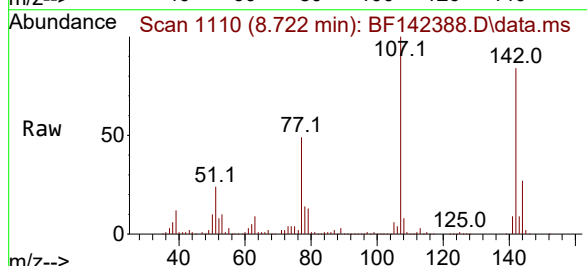
Tgt Ion:107 Resp: 372907

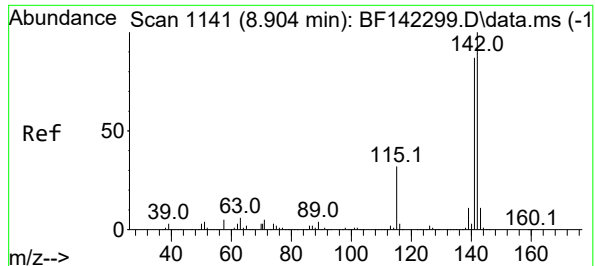
Ion Ratio Lower Upper

107 100

144 26.6 21.3 31.9

142 83.7 66.9 100.3

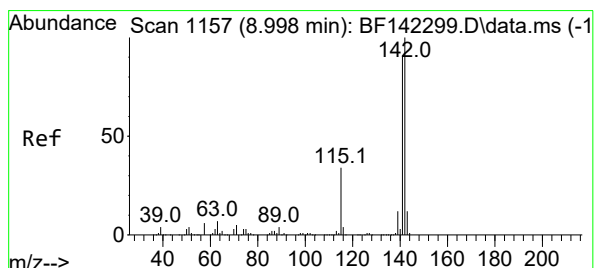
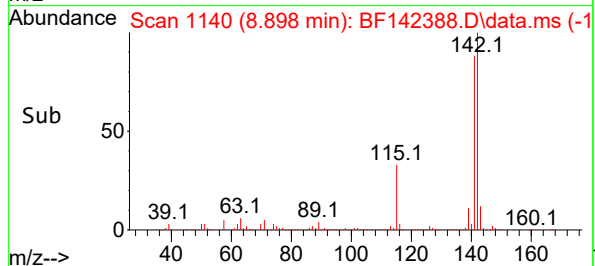
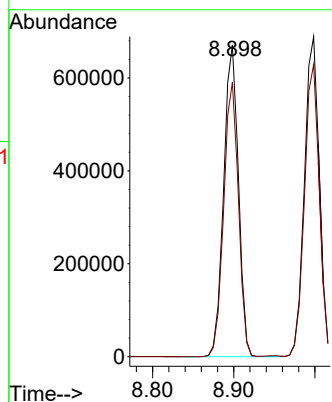
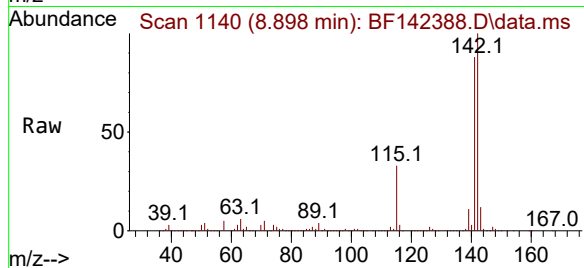




#37
2-Methylnaphthalene
Concen: 42.575 ng
RT: 8.898 min Scan# 1140
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

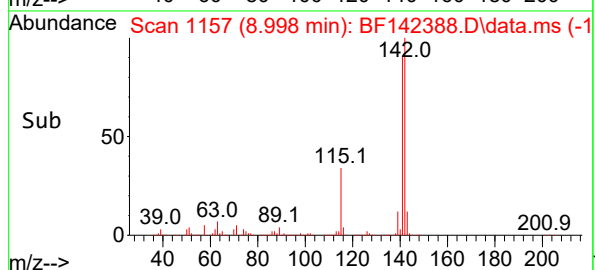
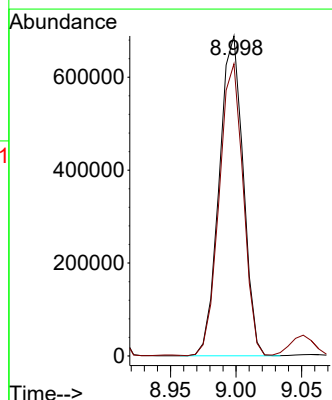
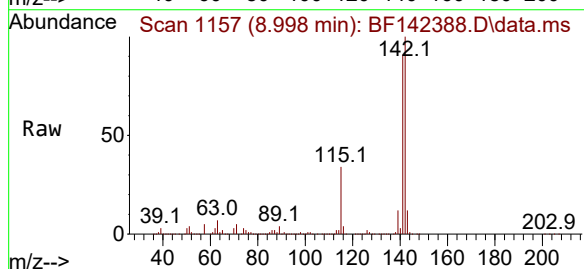
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

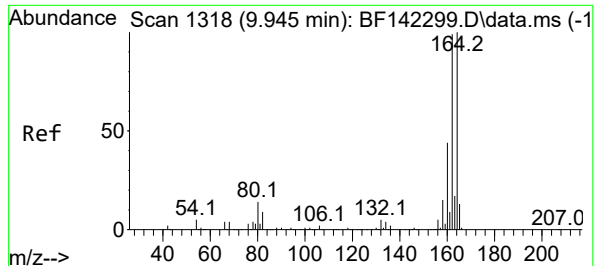
Tgt Ion:142 Resp: 848266
Ion Ratio Lower Upper
142 100
141 88.0 69.4 104.2



#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# 1168

Delta R.T. -0.006 min

Lab File: BF142388.D

Acq: 15 May 2025 12:18

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MS

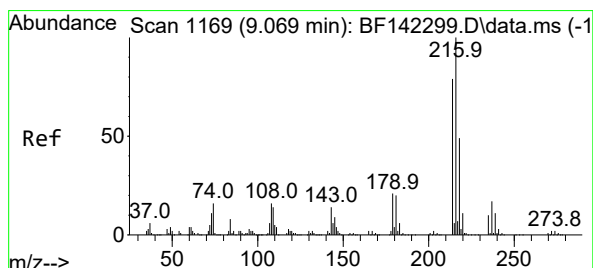
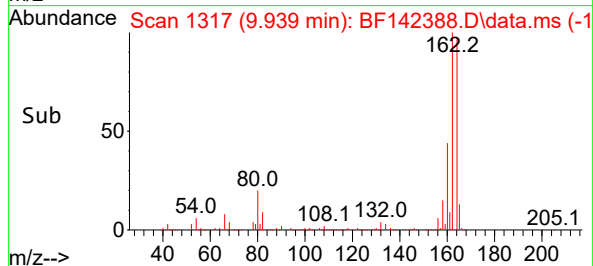
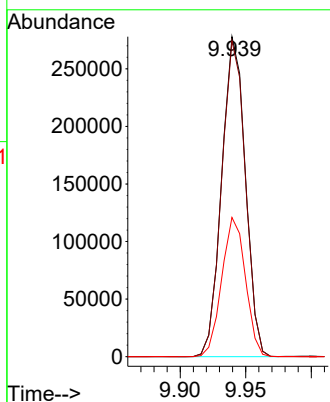
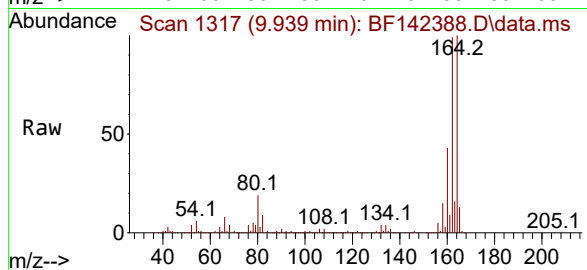
Tgt Ion:164 Resp: 349080

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

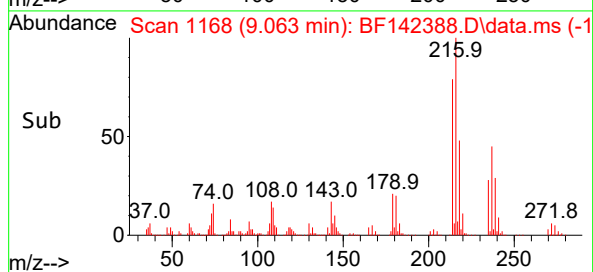
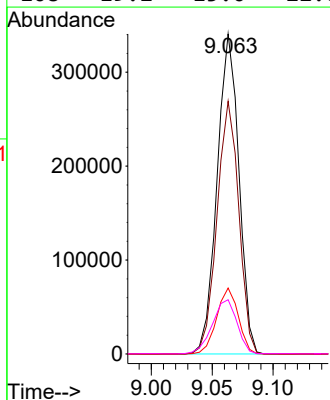
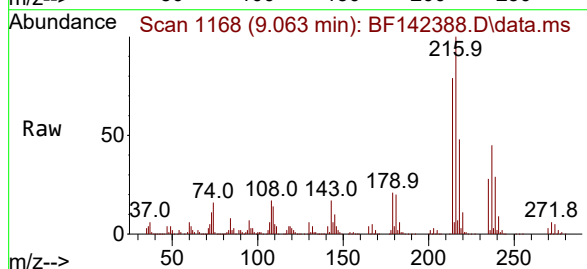
Ion Ratio Lower Upper

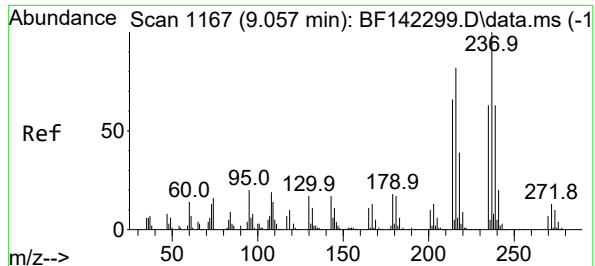
216 100

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# 1166

Delta R.T. -0.006 min

Lab File: BF142388.D

Acq: 15 May 2025 12:18

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MS

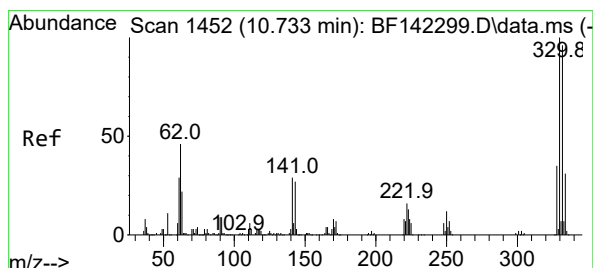
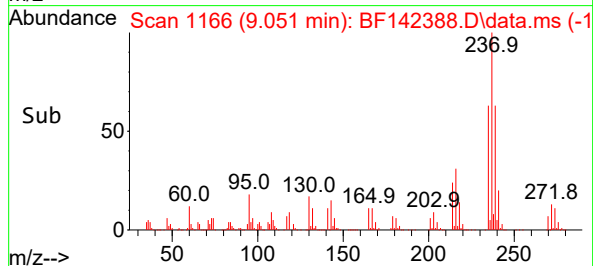
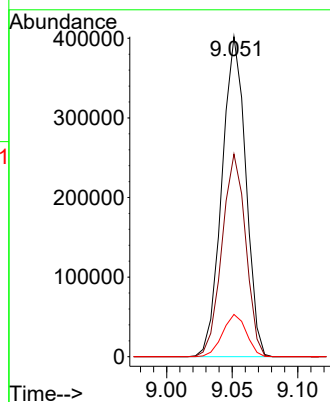
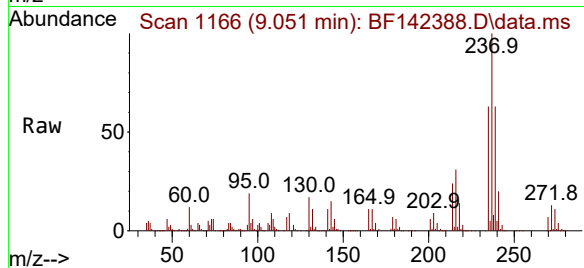
Tgt Ion:237 Resp: 507870

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

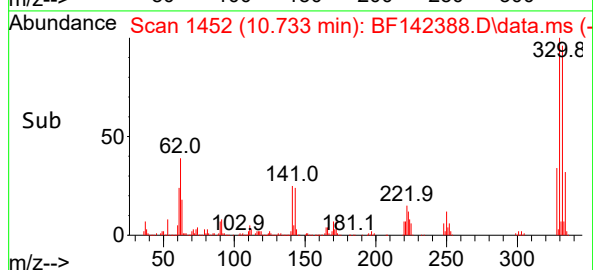
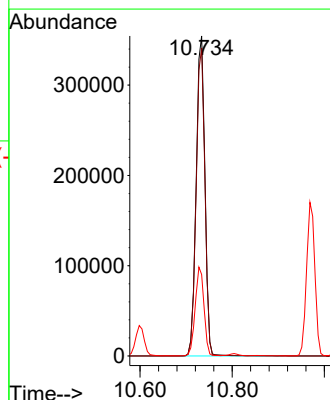
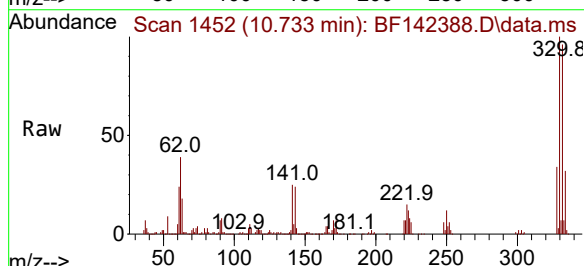
Tgt Ion:330 Resp: 464026

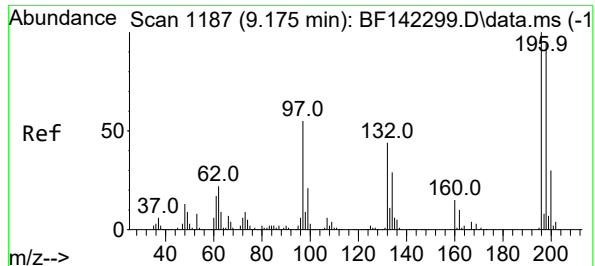
Ion Ratio Lower Upper

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# 1186

Delta R.T. -0.006 min

Lab File: BF142388.D

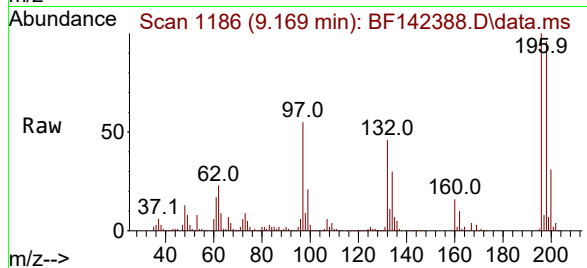
Acq: 15 May 2025 12:18

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MS



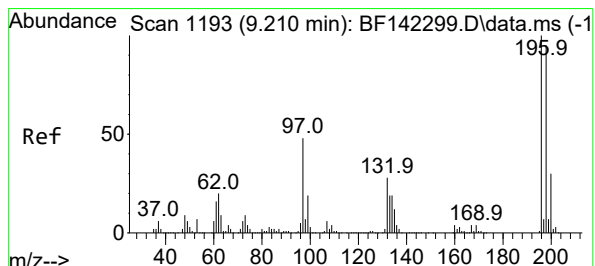
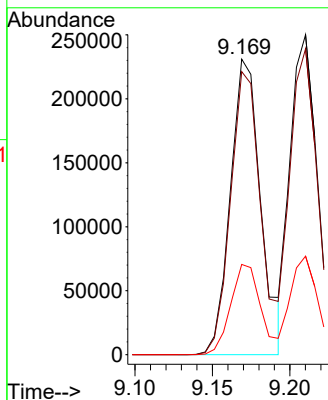
Tgt Ion:196 Resp: 314642

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

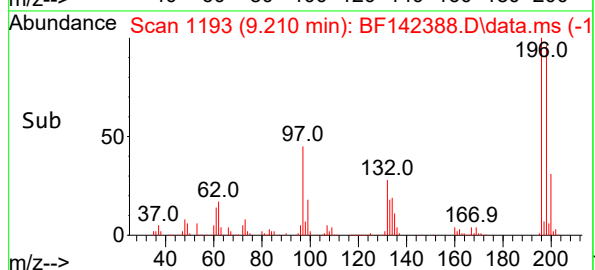
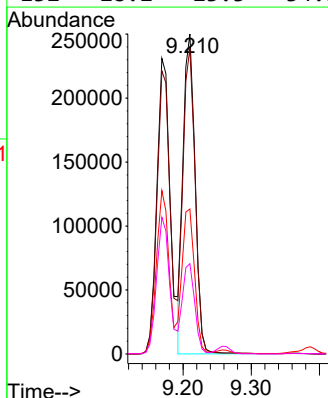
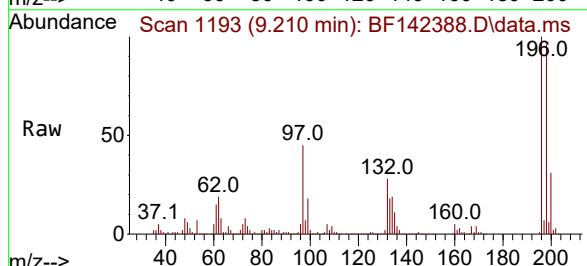
Ion Ratio Lower Upper

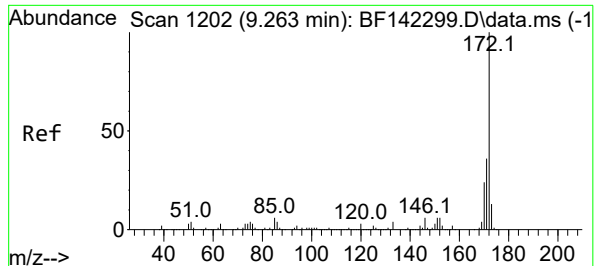
196 100

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# 1202

Delta R.T. 0.000 min

Lab File: BF142388.D

Acq: 15 May 2025 12:18

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MS

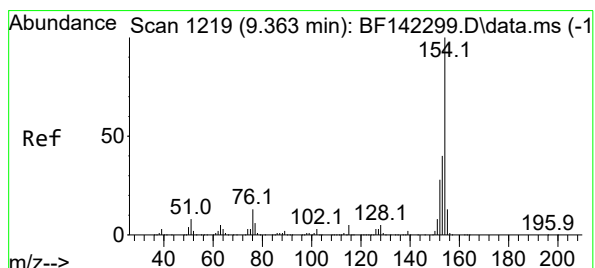
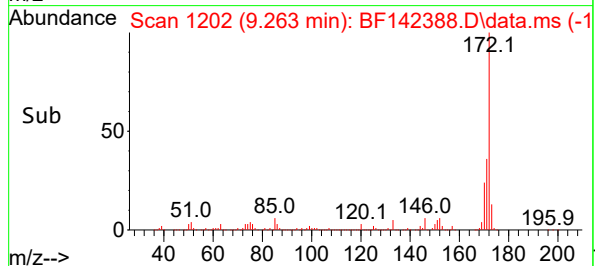
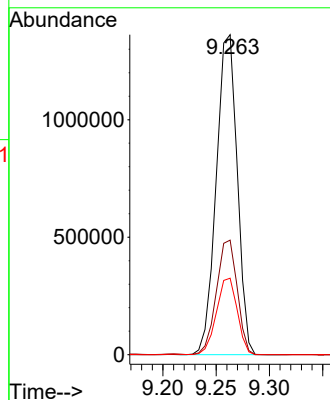
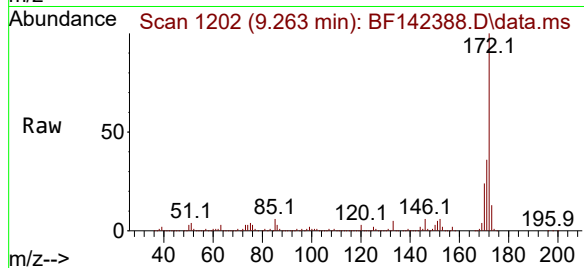
Tgt Ion:172 Resp: 1860447

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

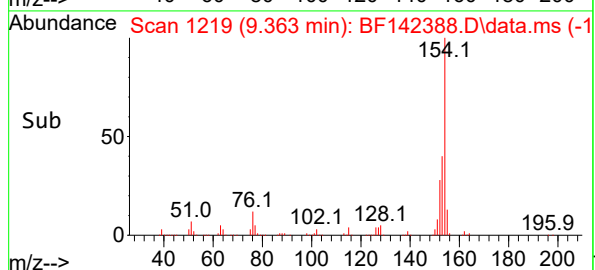
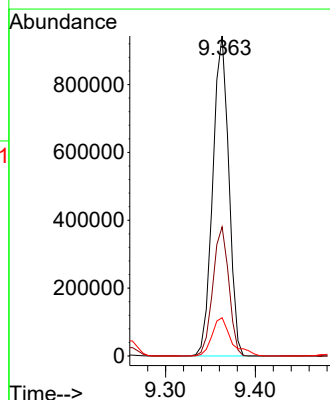
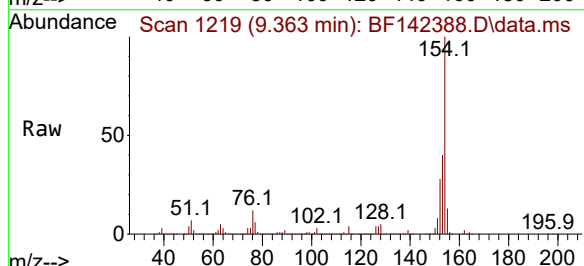
Tgt Ion:154 Resp: 1168846

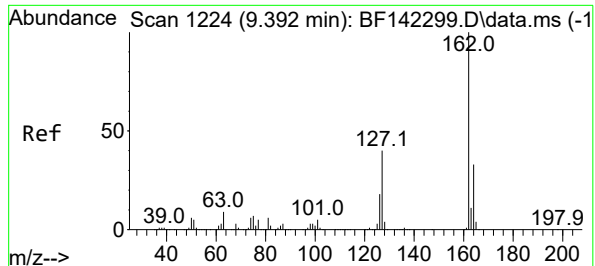
Ion Ratio Lower Upper

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# 1223

Delta R.T. -0.006 min

Lab File: BF142388.D

Acq: 15 May 2025 12:18

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MS

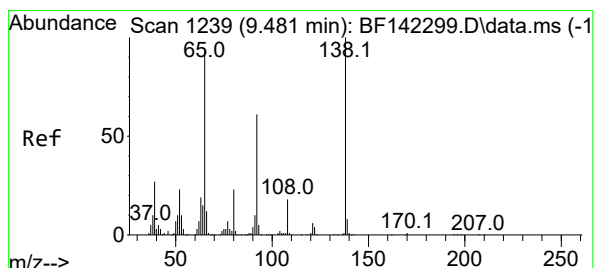
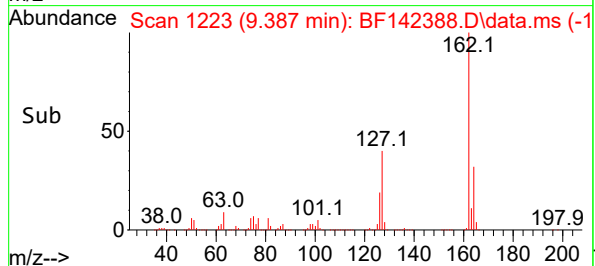
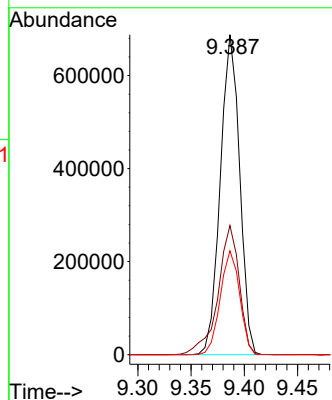
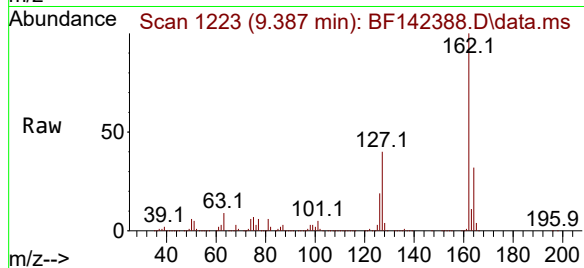
Tgt Ion:162 Resp: 866810

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

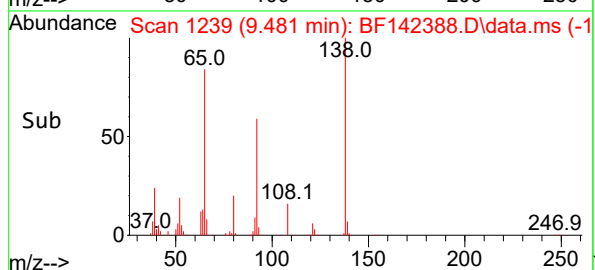
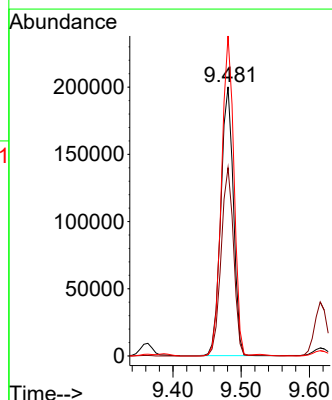
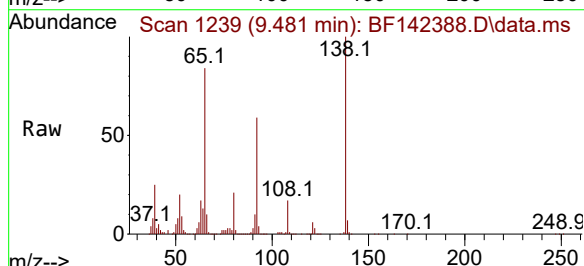
Tgt Ion: 65 Resp: 257479

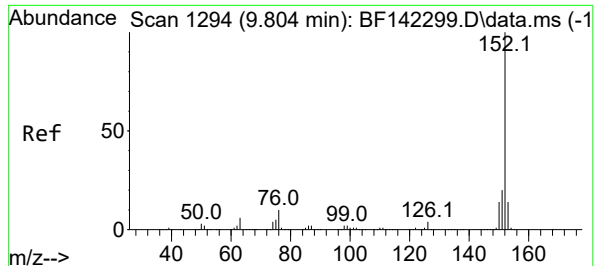
Ion Ratio Lower Upper

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# 11

Delta R.T. 0.000 min

Lab File: BF142388.D

Acq: 15 May 2025 12:18

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MS

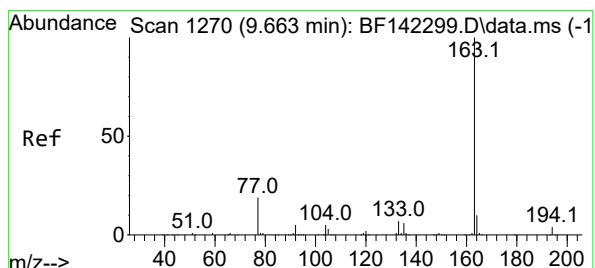
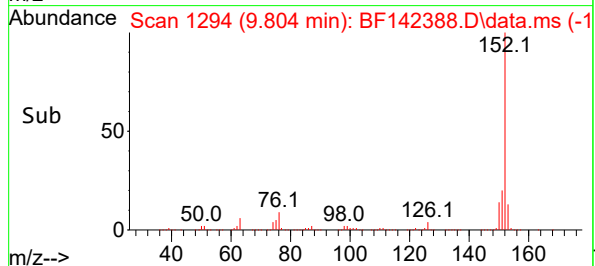
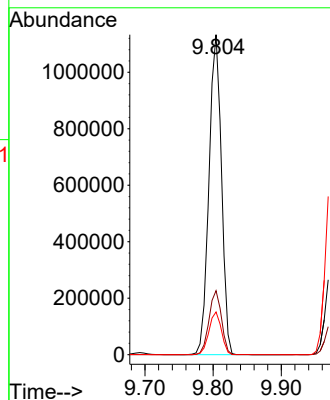
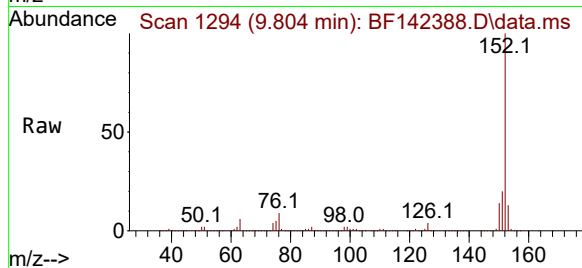
Tgt Ion:152 Resp: 1443735

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

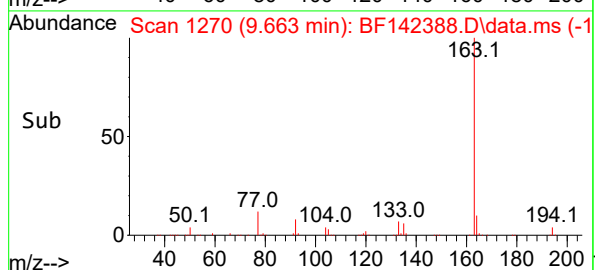
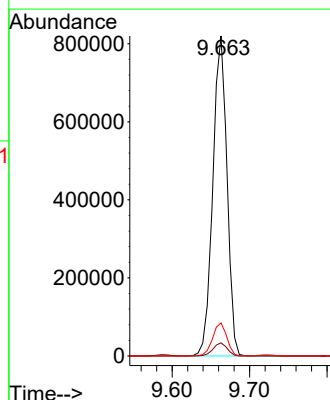
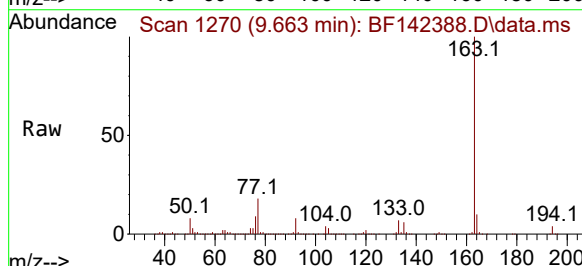
Tgt Ion:163 Resp: 1038662

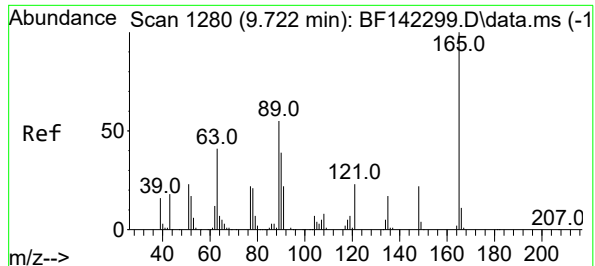
Ion Ratio Lower Upper

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# 11

Delta R.T. 0.000 min

Lab File: BF142388.D

Acq: 15 May 2025 12:18

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MS

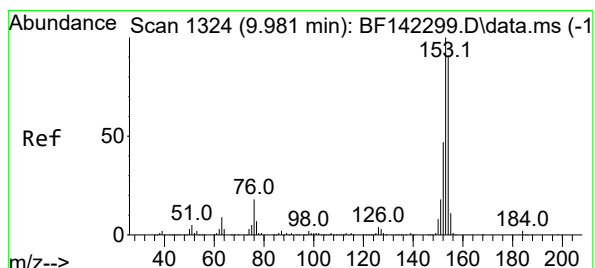
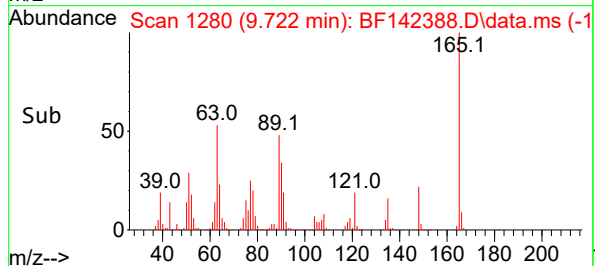
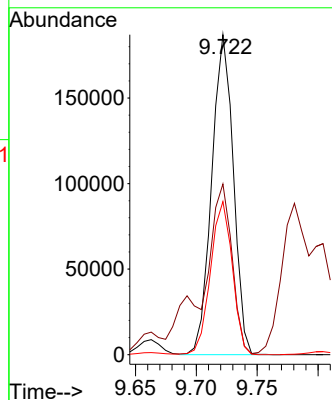
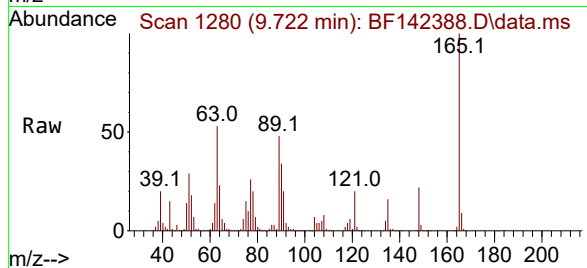
Tgt Ion:165 Resp: 230553

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

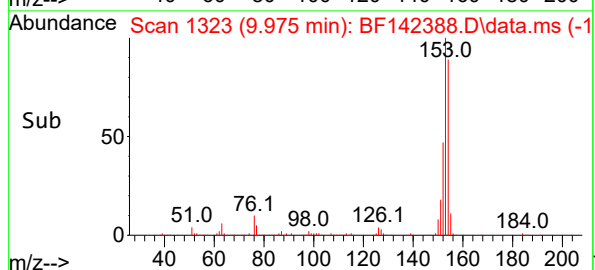
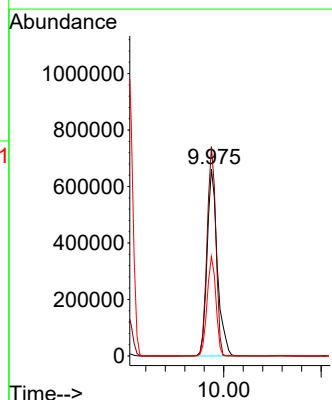
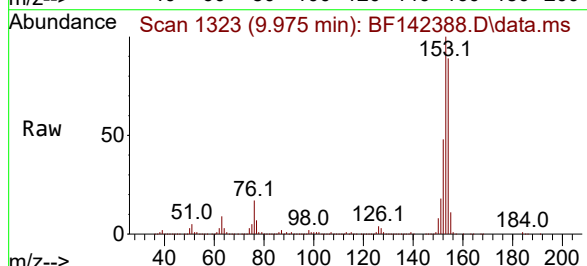
Tgt Ion:154 Resp: 963224

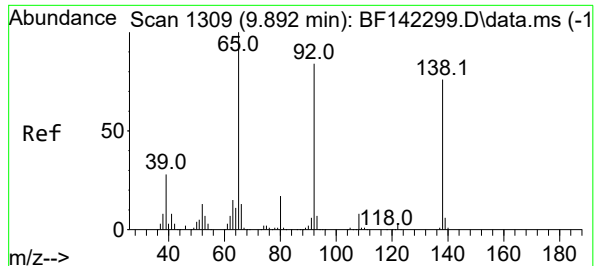
Ion Ratio Lower Upper

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# 11

Delta R.T. -0.006 min

Lab File: BF142388.D

Acq: 15 May 2025 12:18

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MS

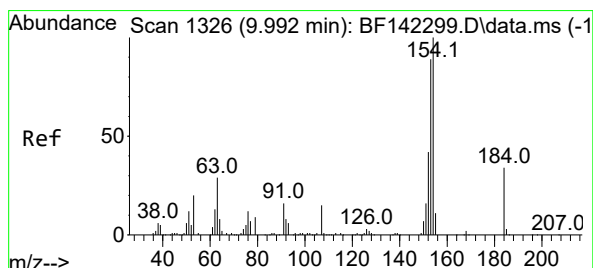
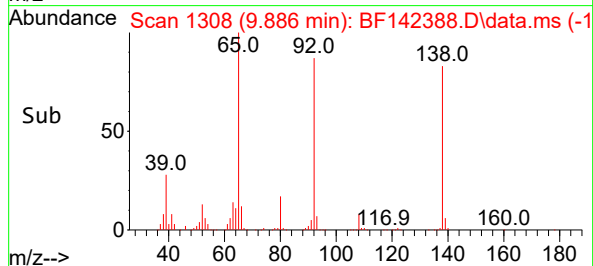
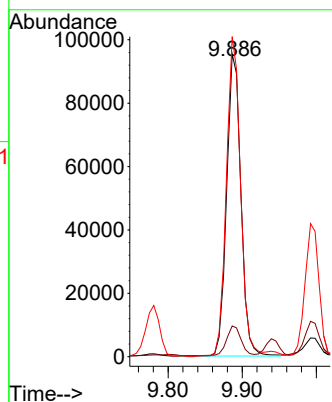
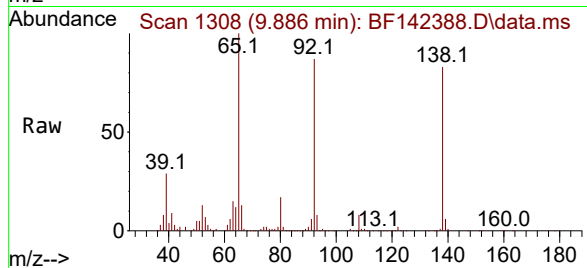
Tgt Ion:138 Resp: 127310

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

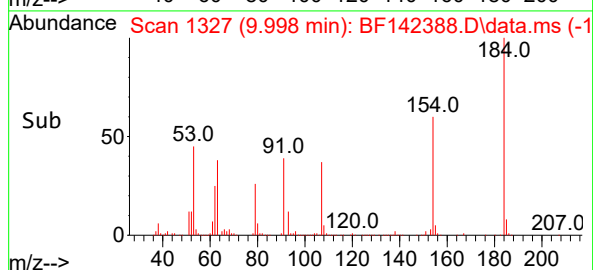
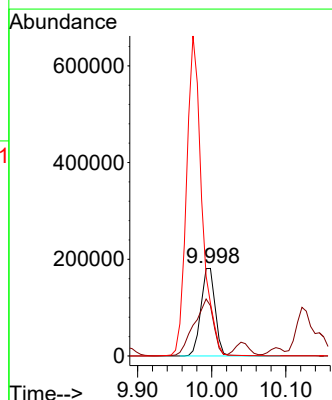
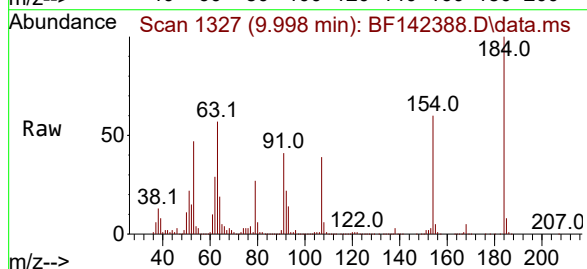
Tgt Ion:184 Resp: 242565

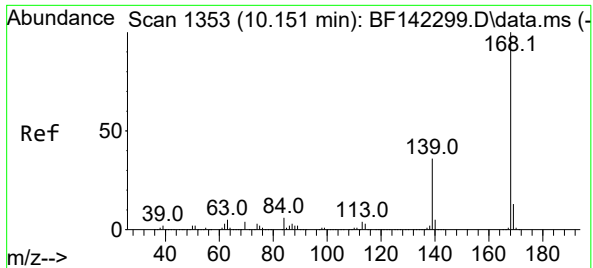
Ion Ratio Lower Upper

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# 11

Delta R.T. -0.006 min

Lab File: BF142388.D

Acq: 15 May 2025 12:18

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MS

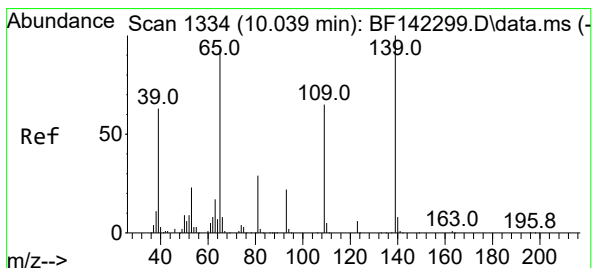
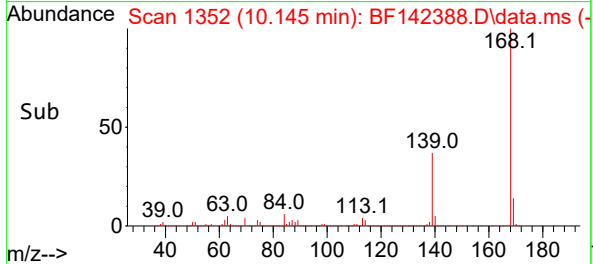
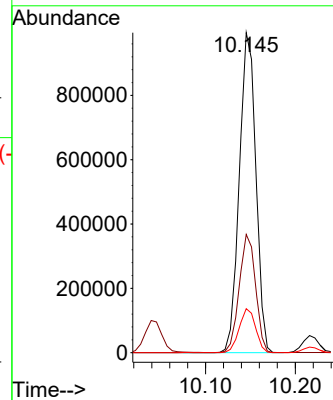
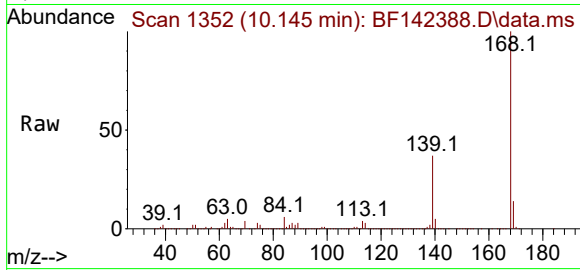
Tgt Ion:168 Resp: 1273696

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

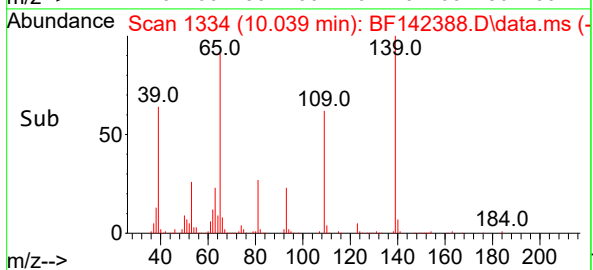
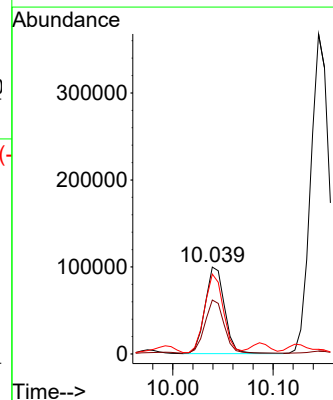
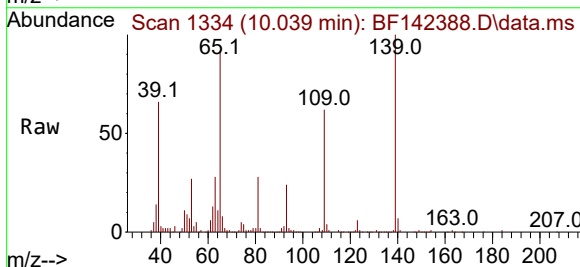
Tgt Ion:139 Resp: 134214

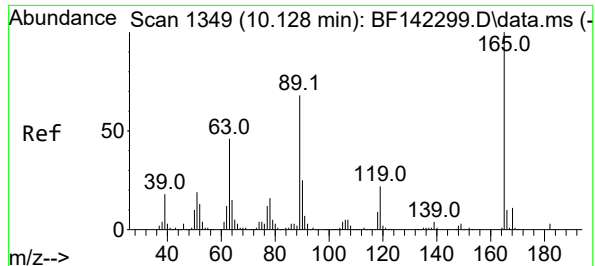
Ion Ratio Lower Upper

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# 1349

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

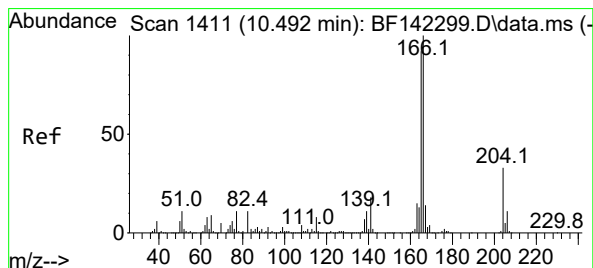
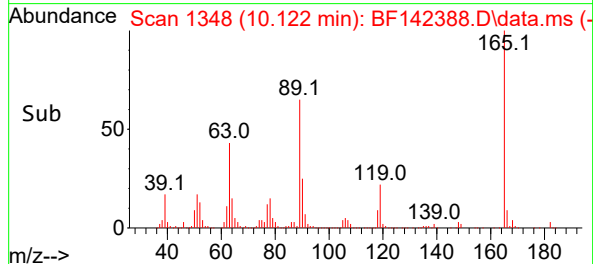
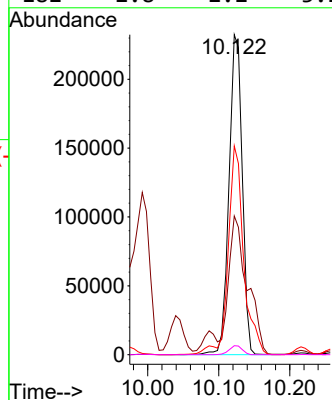
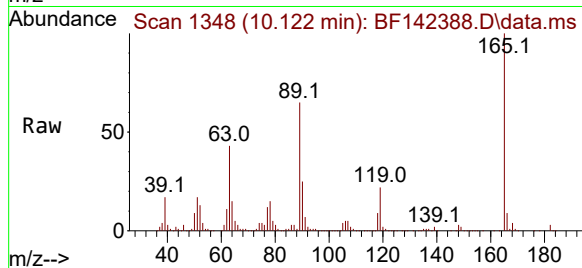
Ion Ratio Lower Upper

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

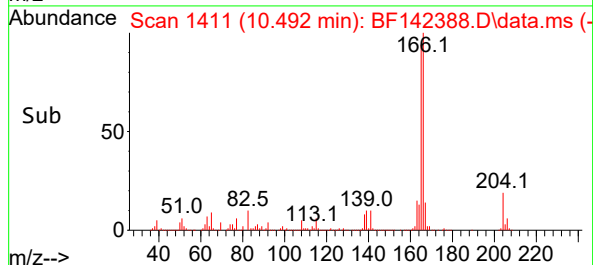
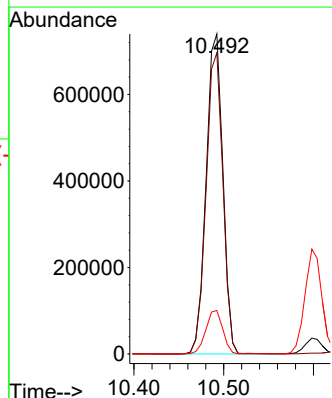
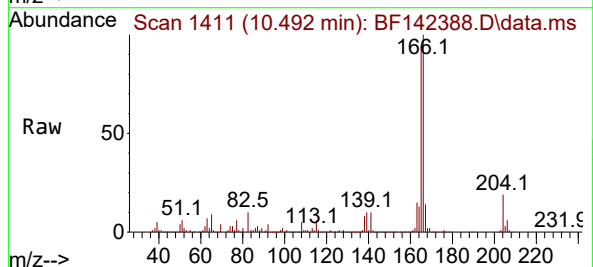
Tgt Ion:166 Resp: 958116

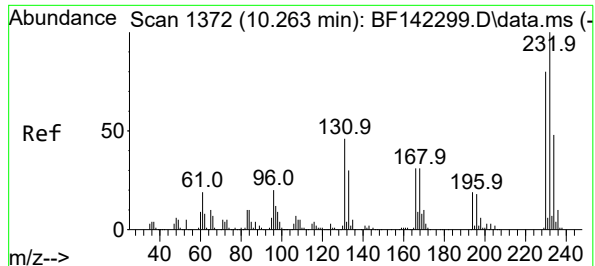
Ion Ratio Lower Upper

166 100

165 94.1 74.0 111.0

167 13.6 10.9 16.3

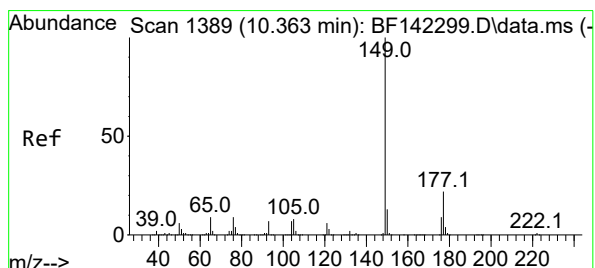
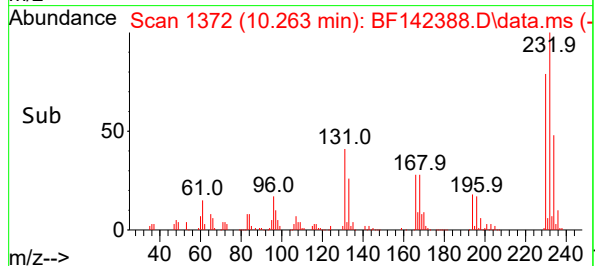
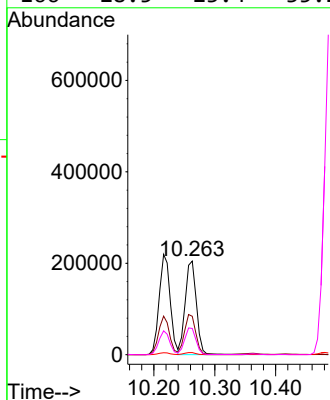
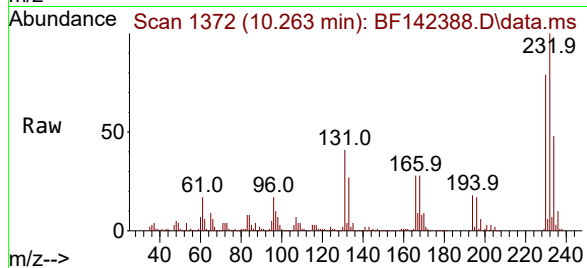




#59
2,3,4,6-Tetrachlorophenol
Concen: 48.631 ng
RT: 10.263 min Scan# 1372
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

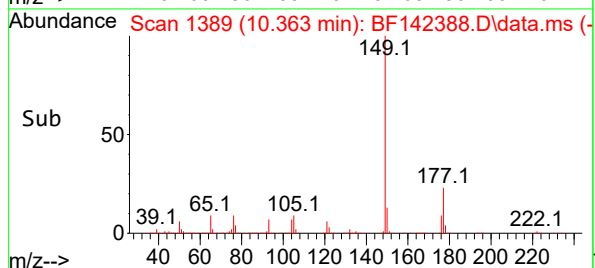
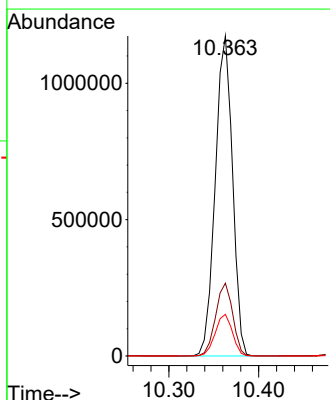
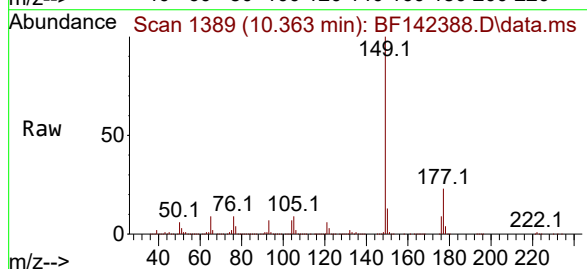
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

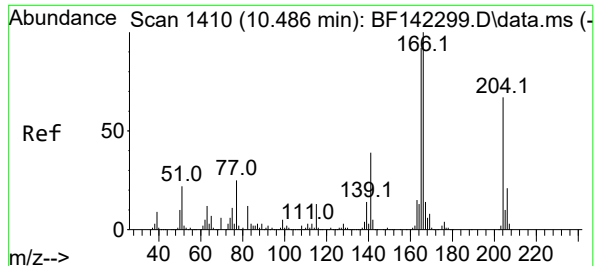
Tgt Ion:232 Resp: 262685
Ion Ratio Lower Upper
232 100
131 42.1 36.0 54.0
130 2.4 1.8 2.6
166 28.5 23.4 35.2



#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

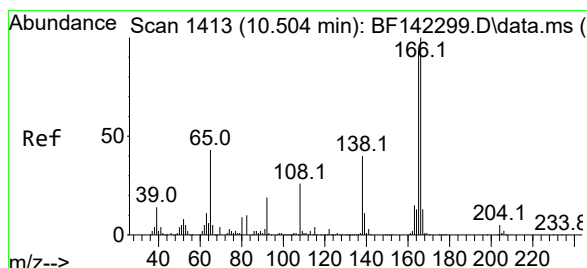
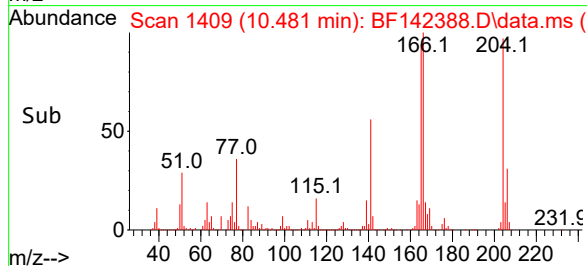
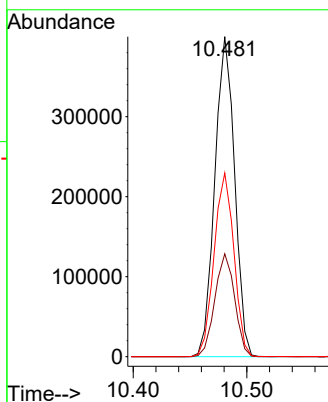
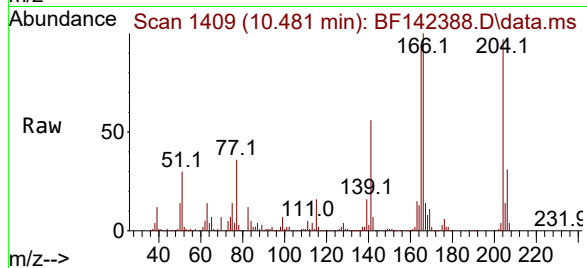




#61
4-Chlorophenyl-phenylether
Concen: 44.510 ng
RT: 10.481 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

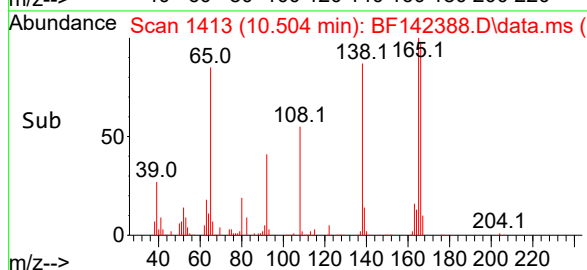
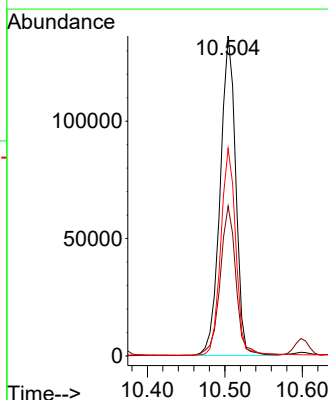
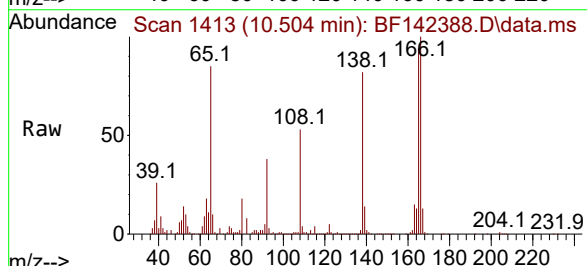
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

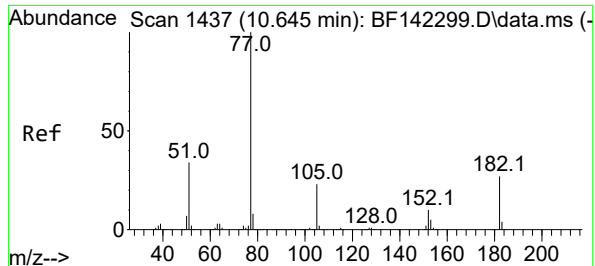
Tgt Ion:204 Resp: 484239
Ion Ratio Lower Upper
204 100
206 32.2 25.5 38.3
141 57.4 46.4 69.6



#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

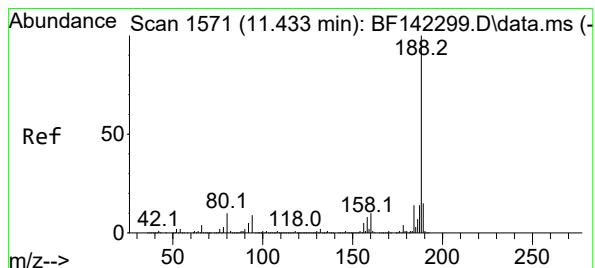
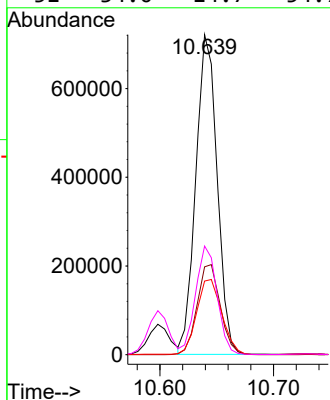
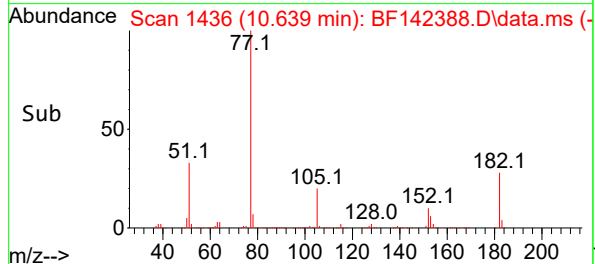
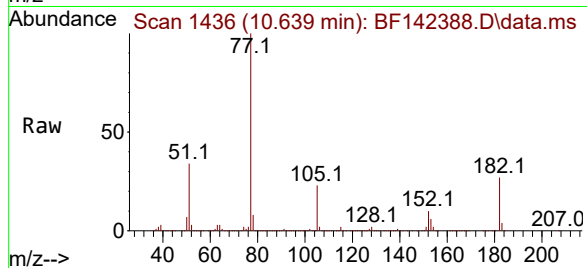




#63
Azobenzene
Concen: 43.974 ng
RT: 10.639 min Scan# 1436
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

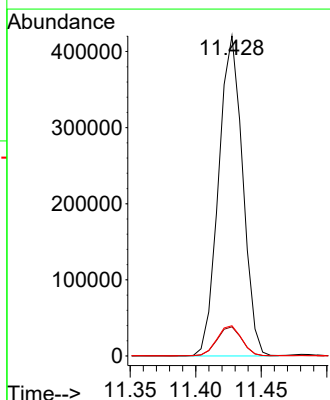
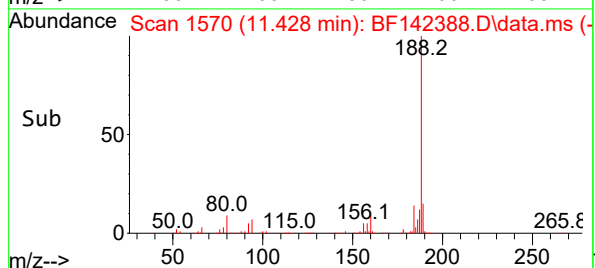
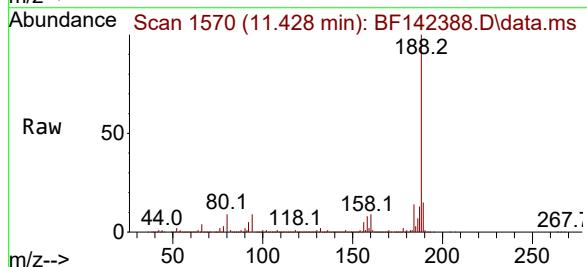
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

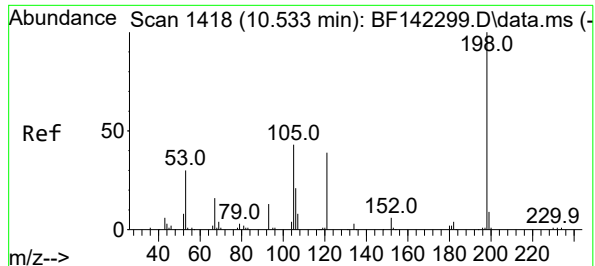
Tgt Ion:	77	Resp:	940653
Ion Ratio	Lower	Upper	
77	100		
182	27.5	6.9	46.9
105	23.0	2.7	42.7
51	34.0	14.7	54.7



#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

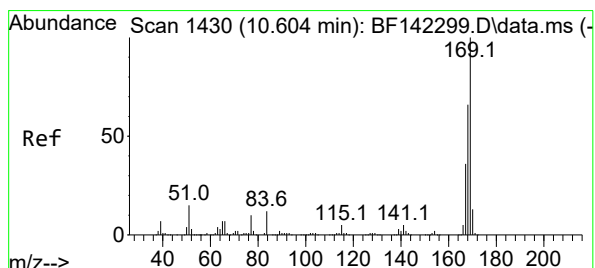
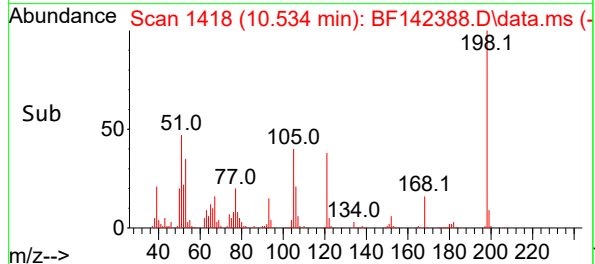
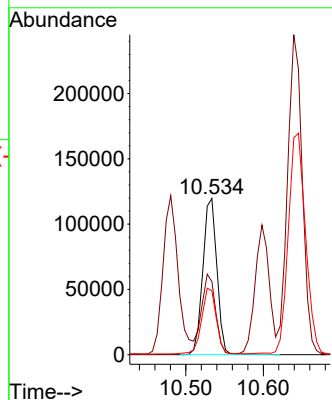
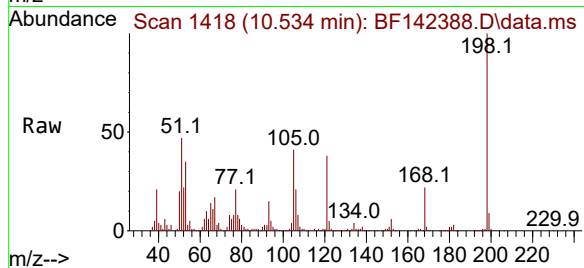




#65
4,6-Dinitro-2-methylphenol
Concen: 58.228 ng
RT: 10.534 min Scan# 1418
Delta R.T. 0.001 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

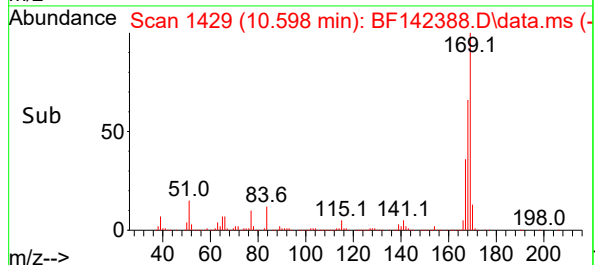
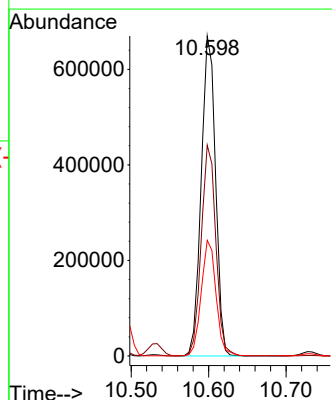
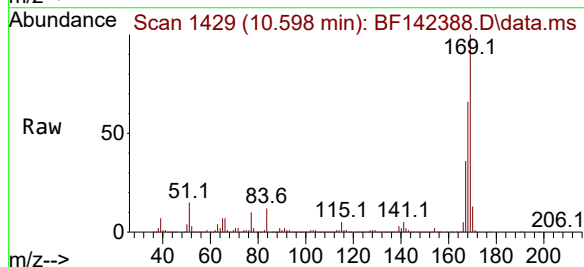
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

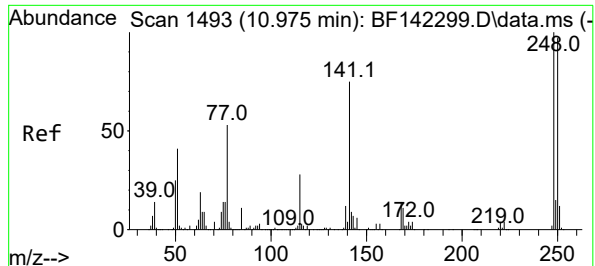
Tgt Ion:198 Resp: 150445
Ion Ratio Lower Upper
198 100
51 46.9 32.9 72.9
105 40.9 23.7 63.7



#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

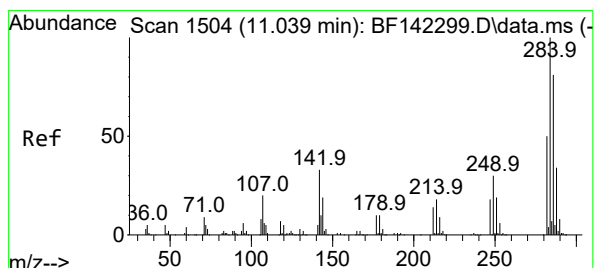
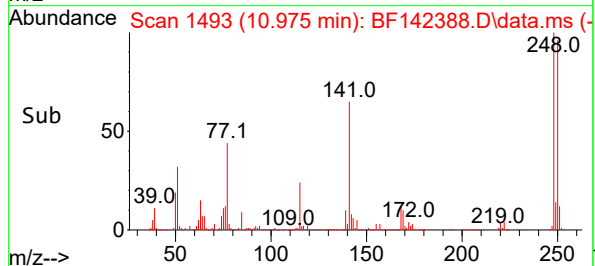
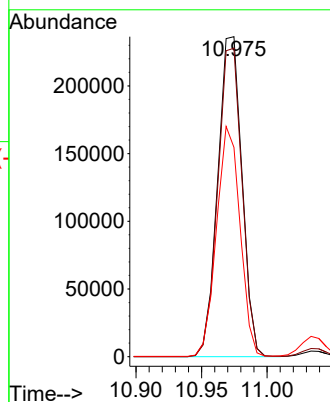
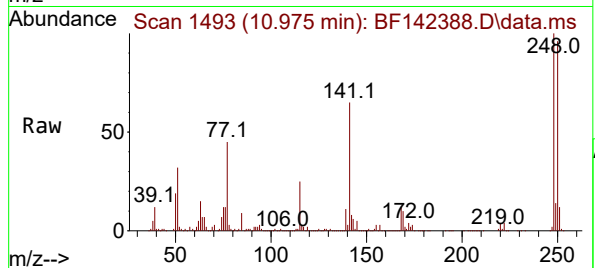




#67
4-Bromophenyl-phenylether
Concen: 49.904 ng
RT: 10.975 min Scan# 1493
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

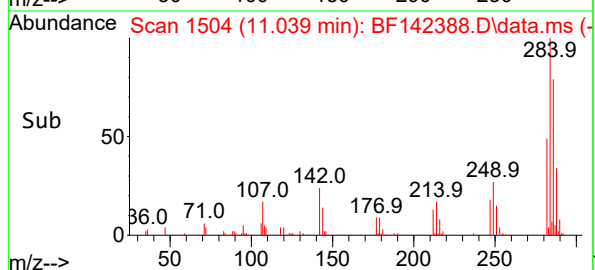
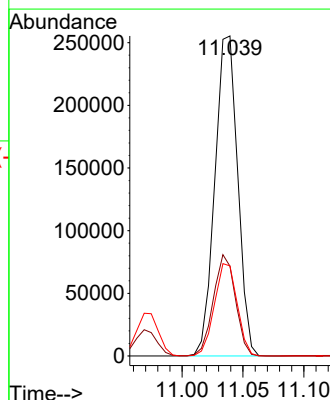
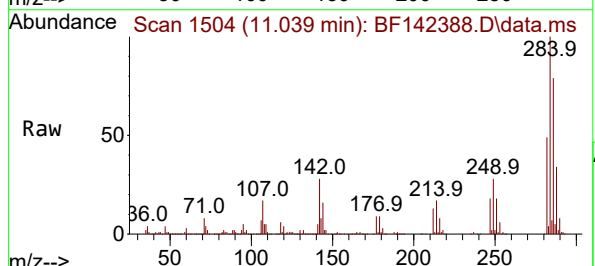
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

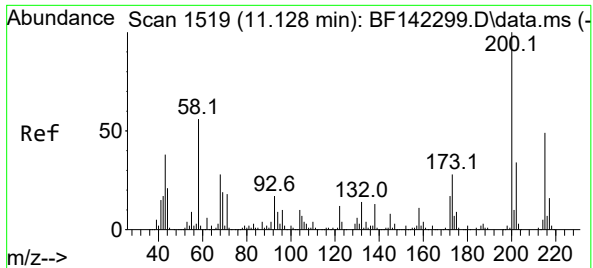
Tgt Ion:248 Resp: 304081
Ion Ratio Lower Upper
248 100
250 96.4 77.9 116.9
141 65.4 59.8 89.8



#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# 1519

Delta R.T. 0.000 min

Lab File: BF142388.D

Acq: 15 May 2025 12:18

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MS

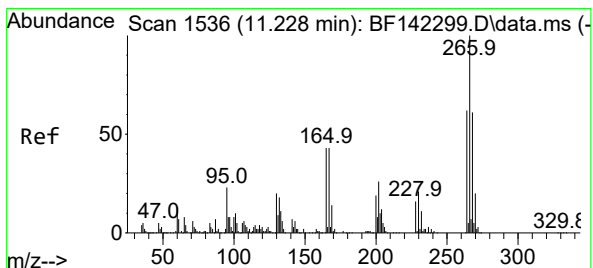
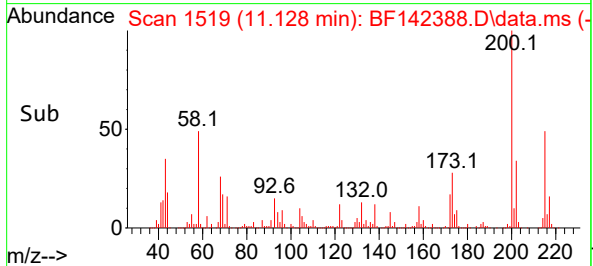
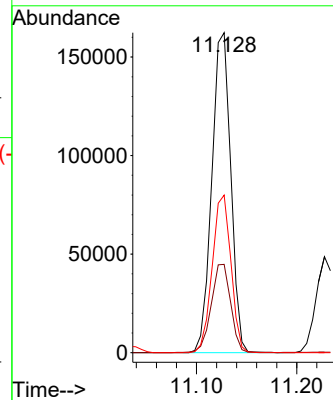
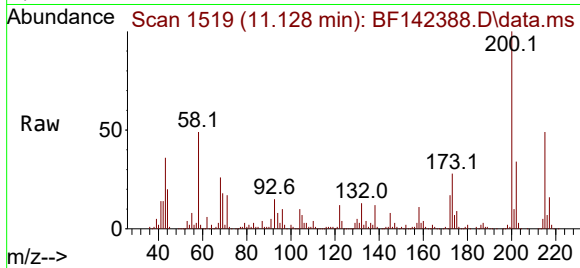
Tgt Ion:200 Resp: 213276

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

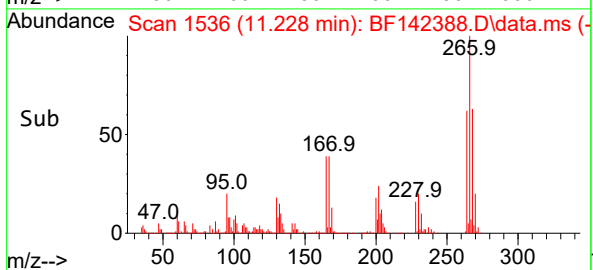
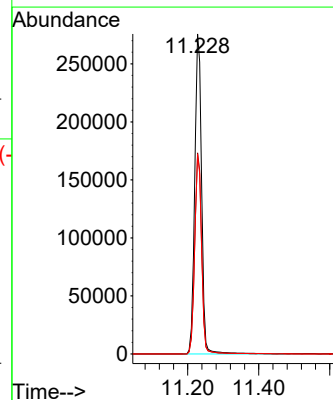
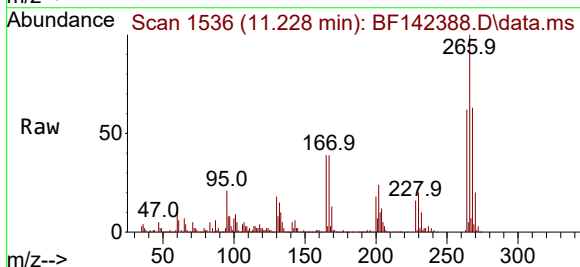
Tgt Ion:266 Resp: 371808

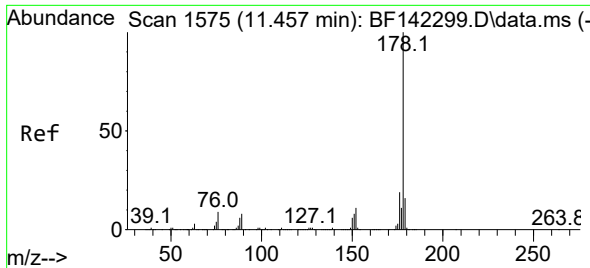
Ion Ratio Lower Upper

266 100

268 62.9 48.7 73.1

264 62.3 49.8 74.6

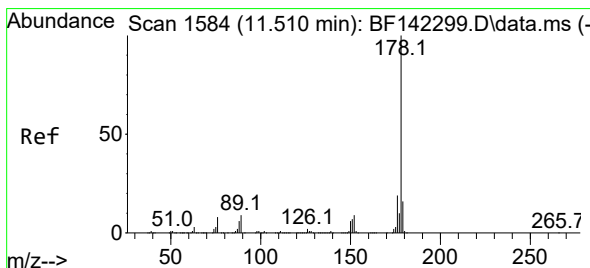
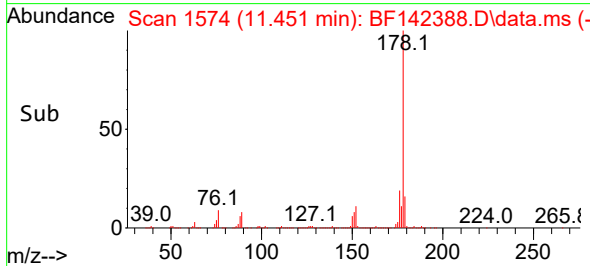
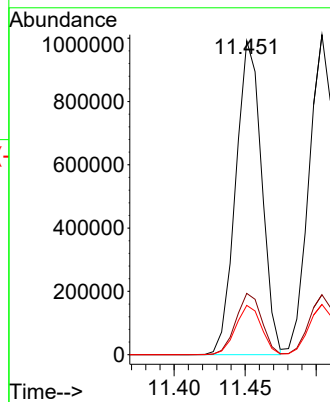
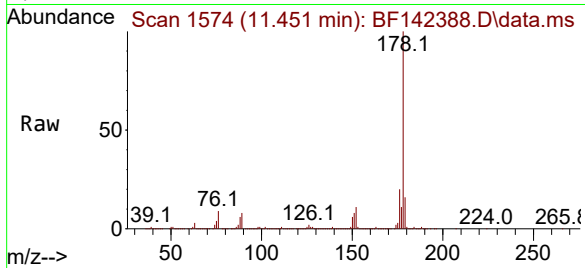




#71
Phenanthrene
Concen: 44.657 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

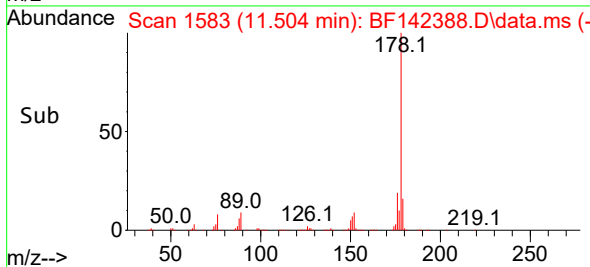
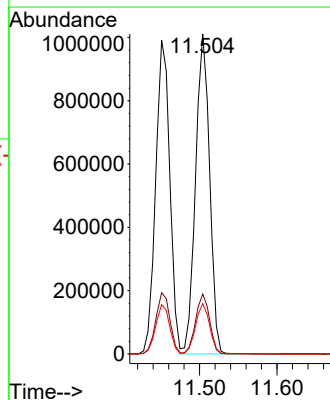
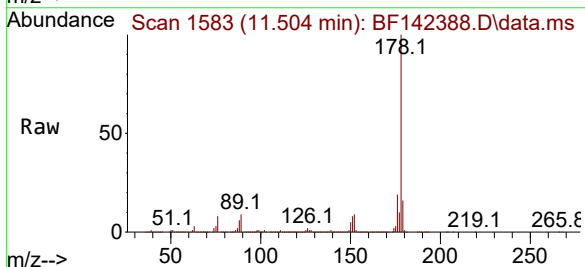
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

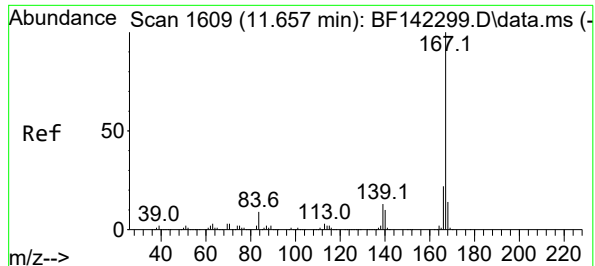
Tgt Ion:178 Resp: 1258546
Ion Ratio Lower Upper
178 100
176 19.5 15.5 23.3
179 15.7 12.6 18.8



#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

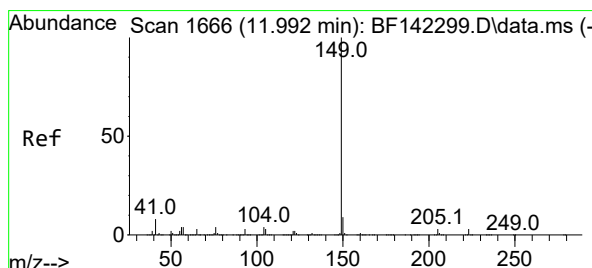
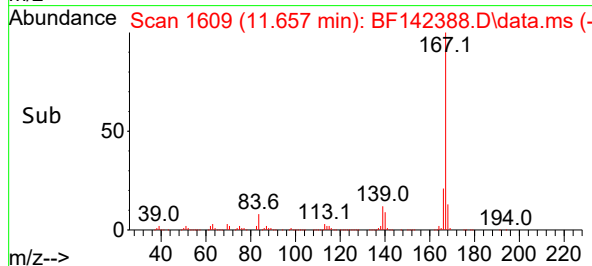
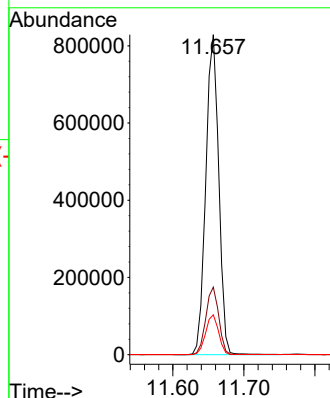
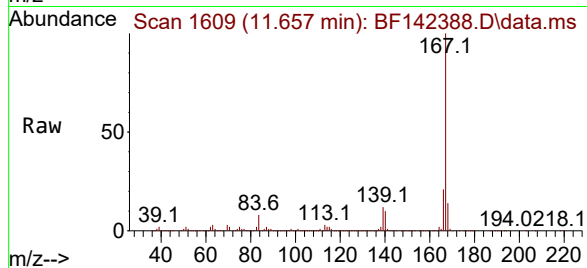
Tgt Ion:167 Resp: 1049104

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

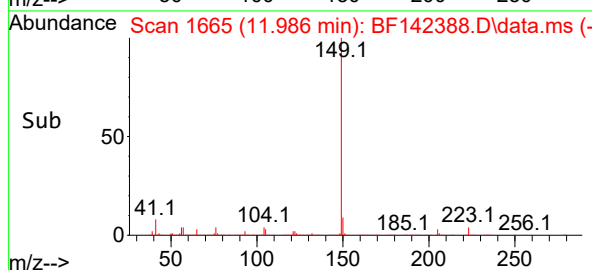
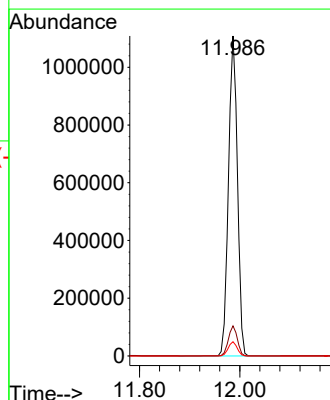
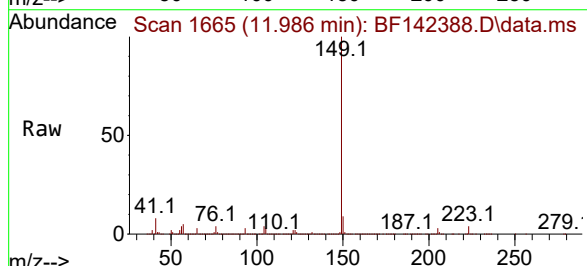
Tgt Ion:149 Resp: 1375619

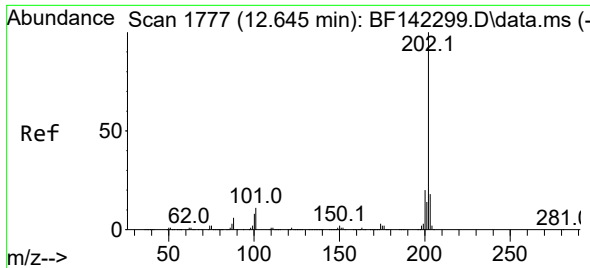
Ion Ratio Lower Upper

149 100

150 9.4 7.5 11.3

104 4.4 3.6 5.4

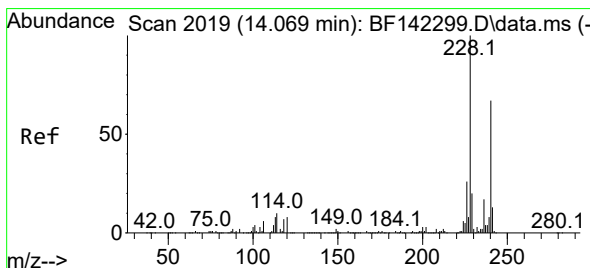
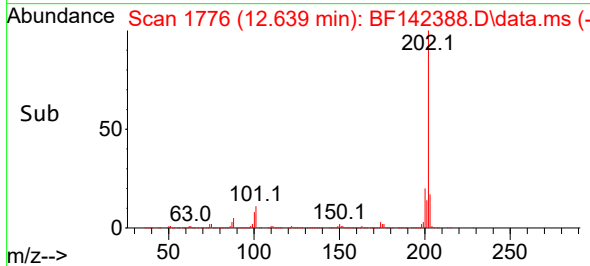
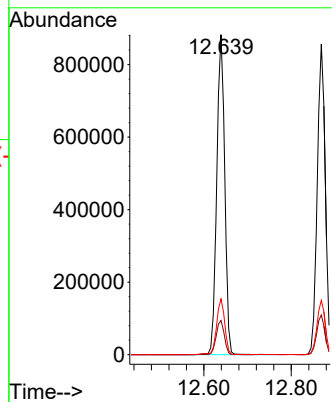
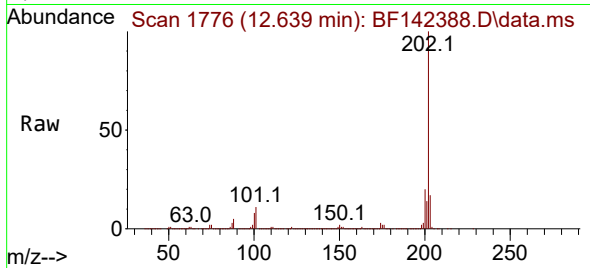




#75
Fluoranthene
Concen: 39.823 ng
RT: 12.639 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

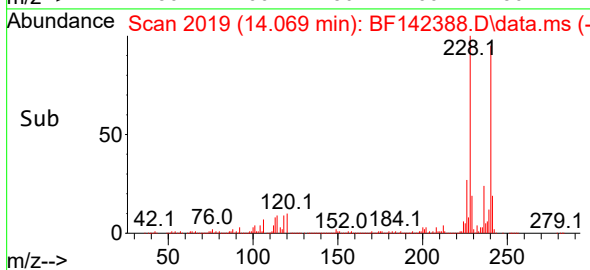
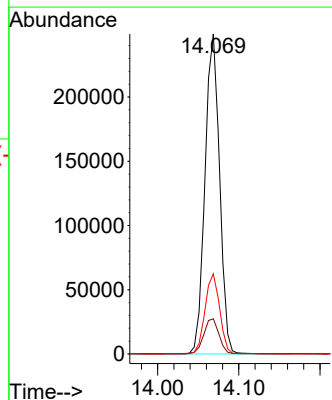
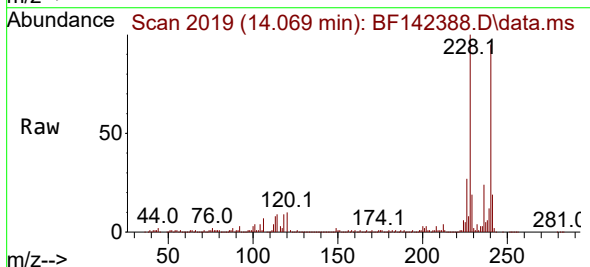
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

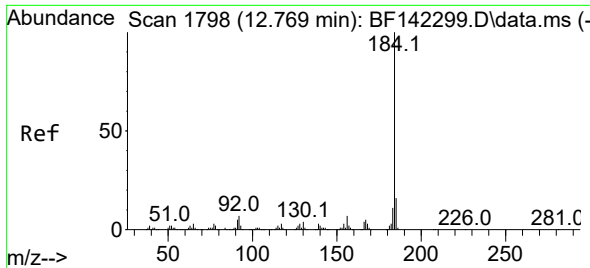
Tgt Ion:202 Resp: 1121887
Ion Ratio Lower Upper
202 100
101 10.7 0.0 31.4
203 17.4 0.0 37.9



#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

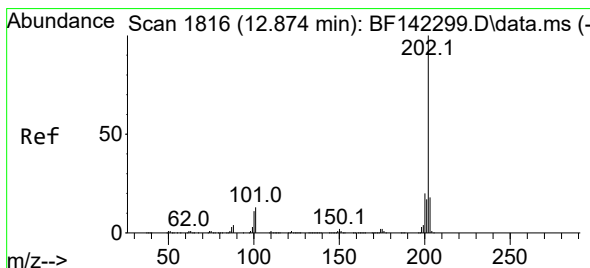
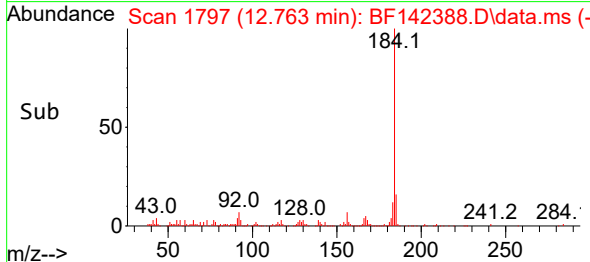
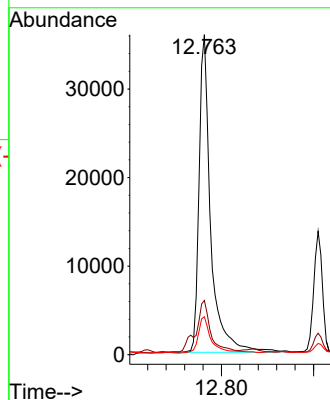
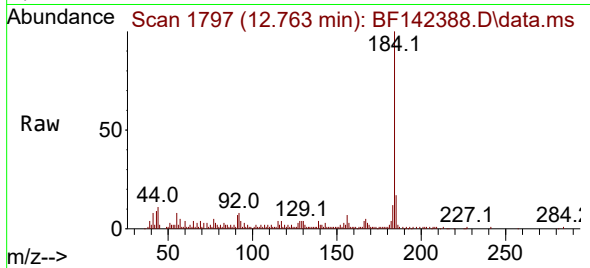




#77
Benzidine
Concen: 11.140 ng
RT: 12.763 min Scan# 1797
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

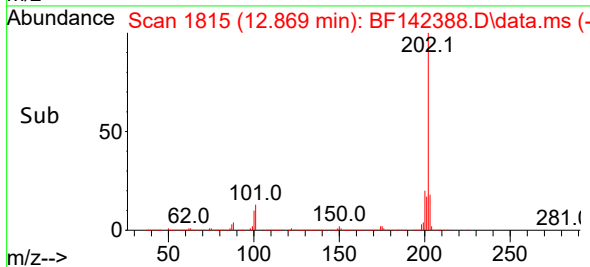
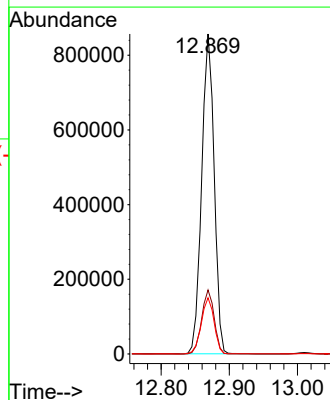
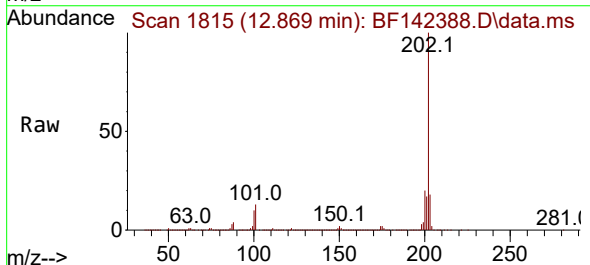
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

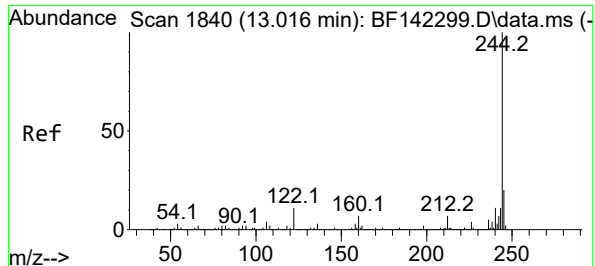
Tgt Ion:184 Resp: 62808
Ion Ratio Lower Upper
184 100
185 17.0 12.6 18.8
183 11.9 8.6 12.8



#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# 11

Delta R.T. -0.006 min

Lab File: BF142388.D

Acq: 15 May 2025 12:18

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MS

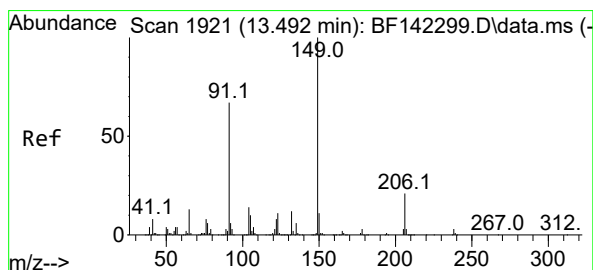
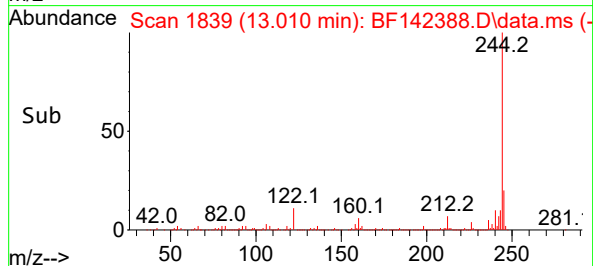
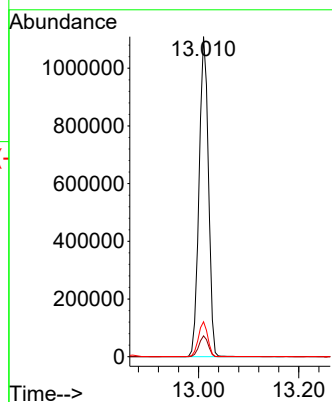
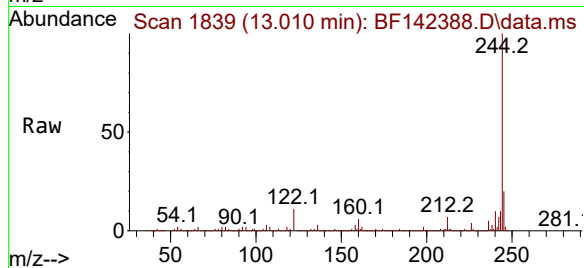
Tgt Ion:244 Resp: 1429949

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

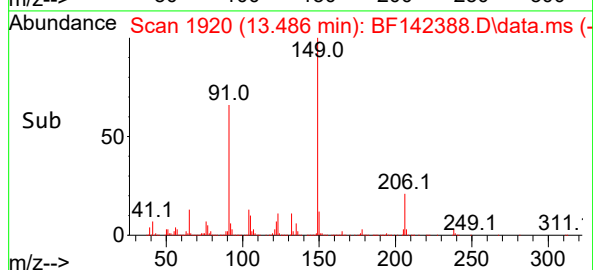
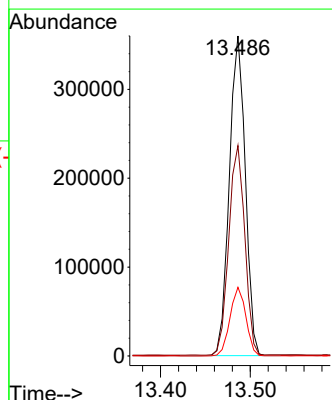
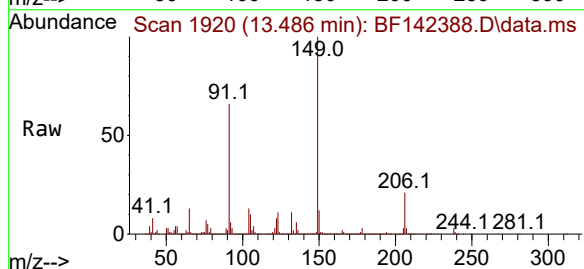
Tgt Ion:149 Resp: 444086

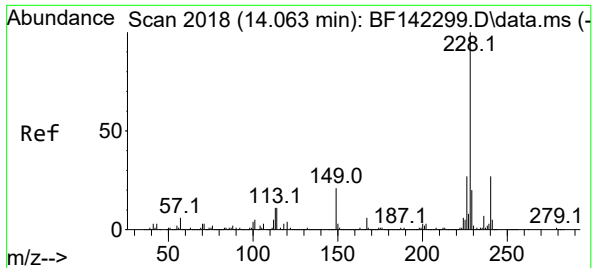
Ion Ratio Lower Upper

149 100

91 65.8 53.8 80.6

206 21.4 16.6 24.8

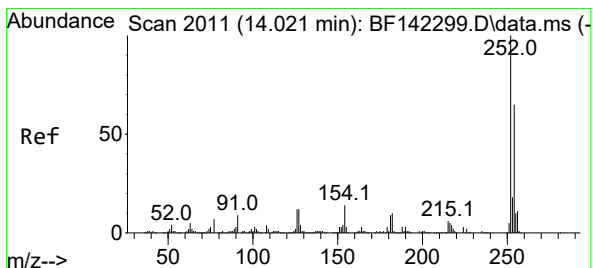
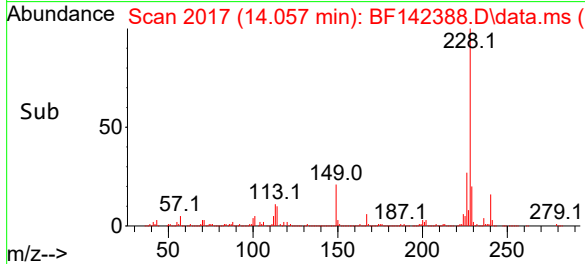
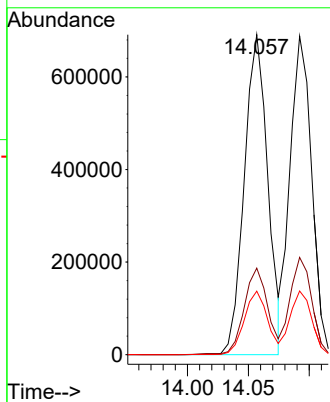
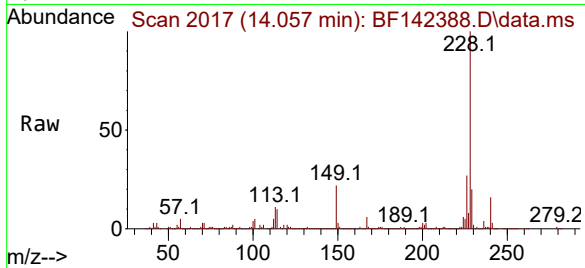




#81
Benzo(a)anthracene
Concen: 46.232 ng
RT: 14.057 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

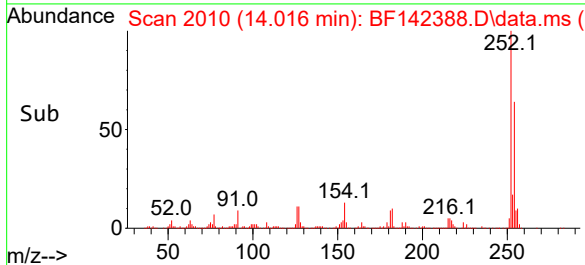
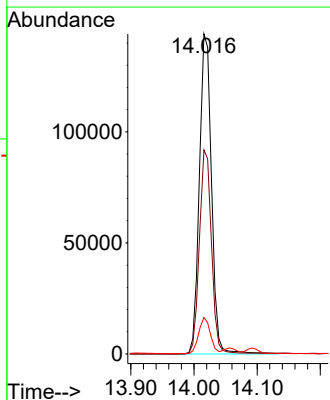
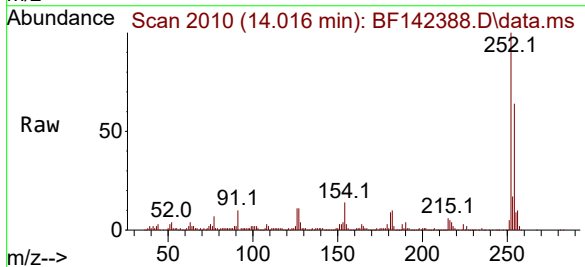
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

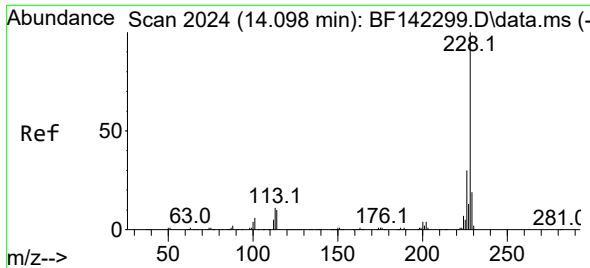
Tgt Ion	228	226	229
Resp:	928873	27.0	19.9
Ratio	100	27.0	19.9
Lower		21.5	15.9
Upper		32.3	23.9



#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	254	126
Resp:	192303	63.7	11.4
Ratio	100	63.7	11.4
Lower		52.0	9.7
Upper		78.0	14.5

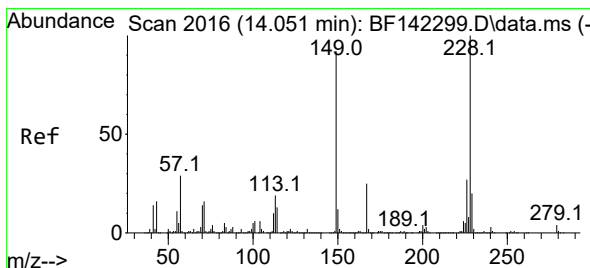
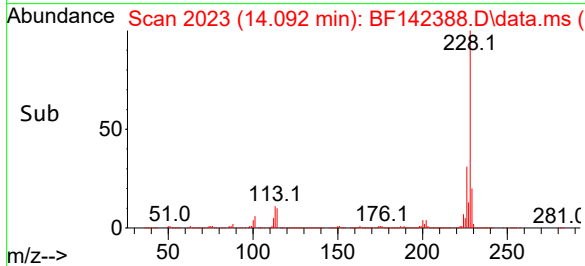
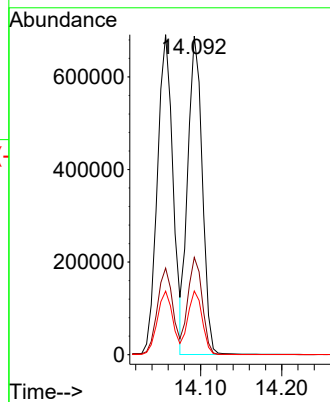
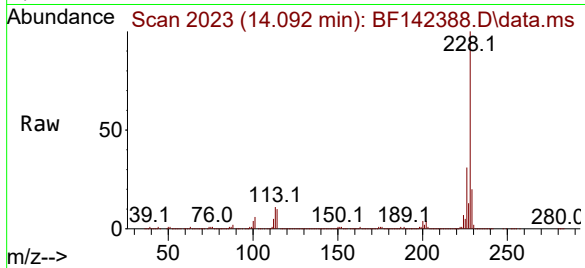




#83
Chrysene
Concen: 45.552 ng
RT: 14.092 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

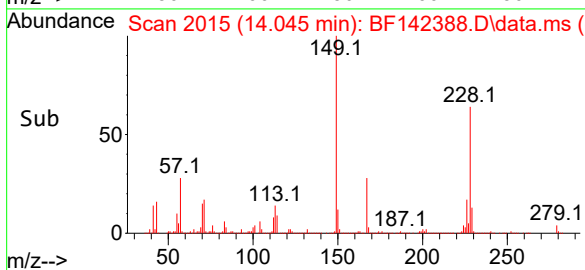
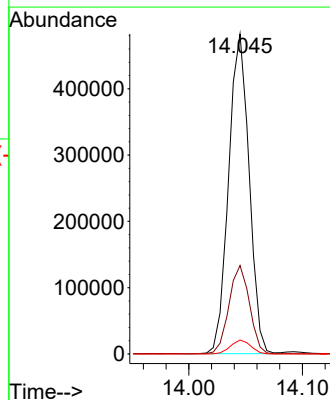
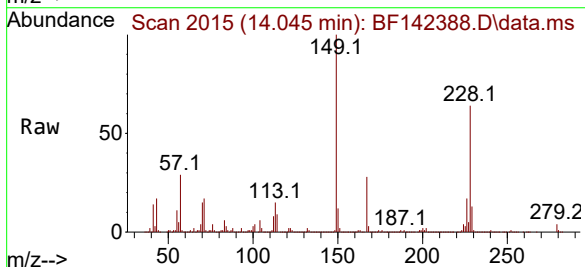
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

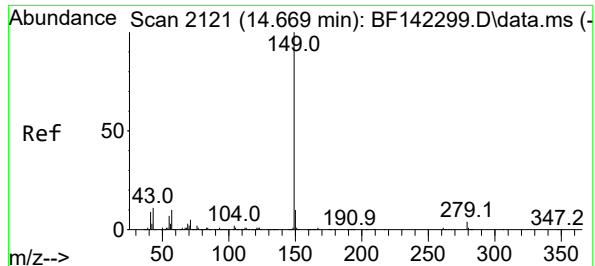
Tgt Ion:228 Resp: 851984
Ion Ratio Lower Upper
228 100
226 30.5 23.9 35.9
229 20.0 15.4 23.2



#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

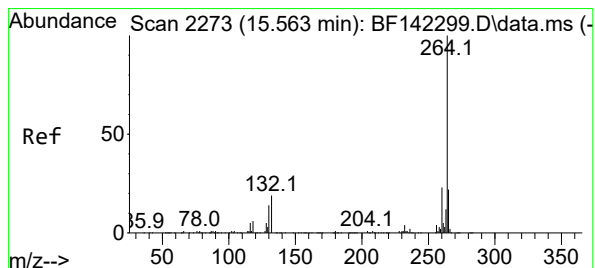
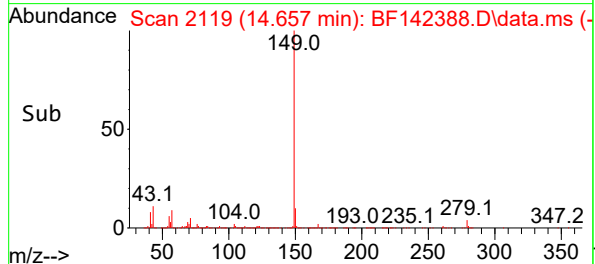
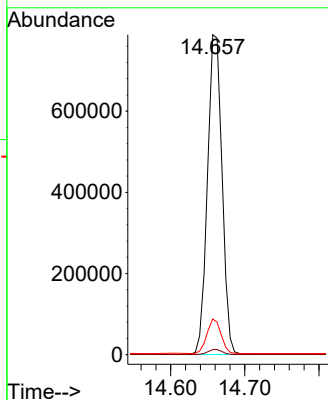
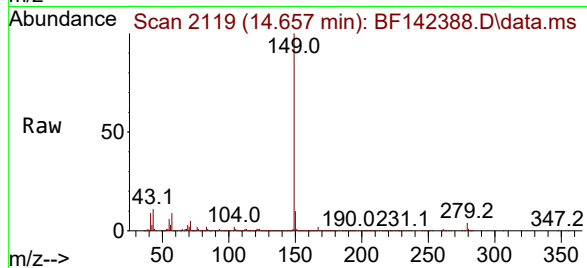
Tgt Ion:149 Resp: 1077874

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

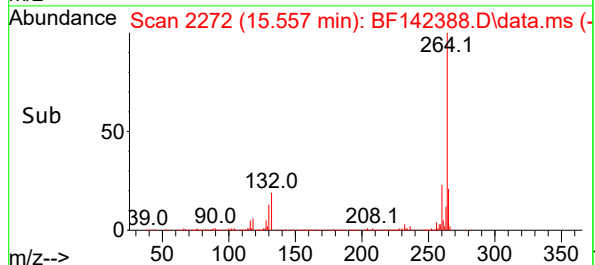
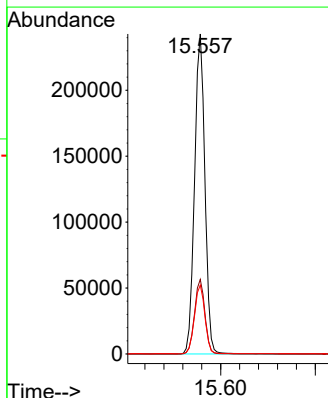
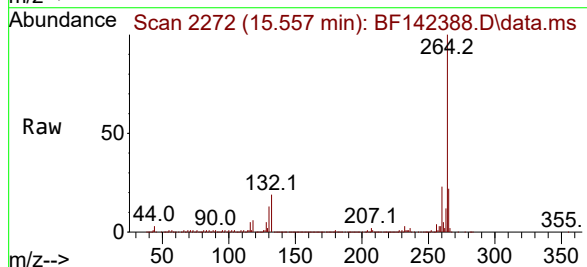
Tgt Ion:264 Resp: 367976

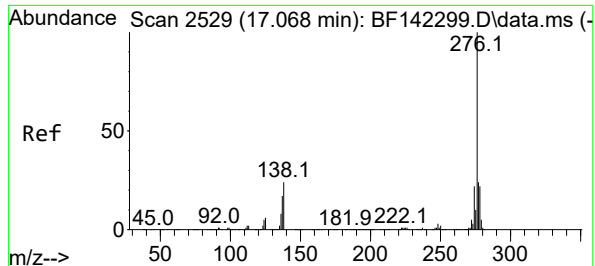
Ion Ratio Lower Upper

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# 2197

Delta R.T. -0.006 min

Lab File: BF142388.D

Acq: 15 May 2025 12:18

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MS

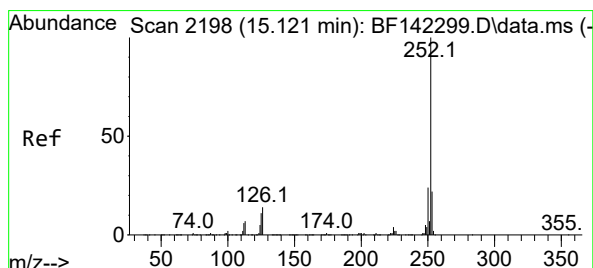
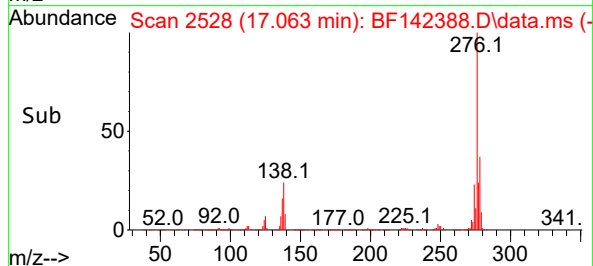
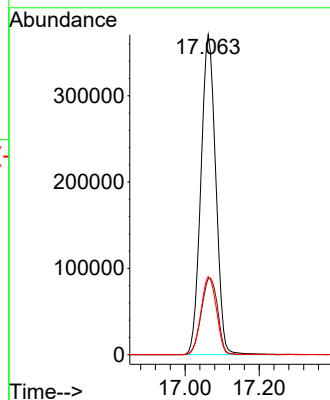
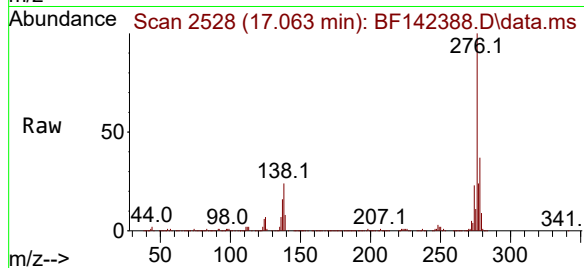
Tgt Ion:276 Resp: 1032531

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

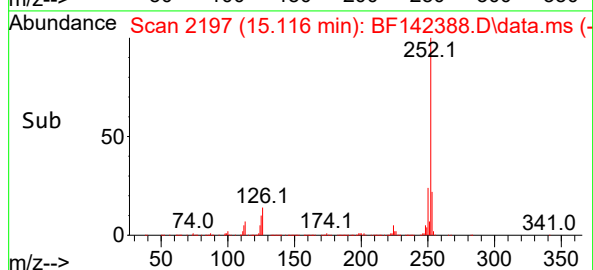
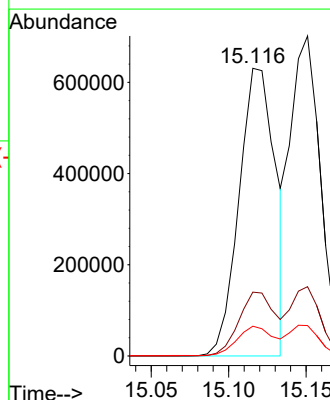
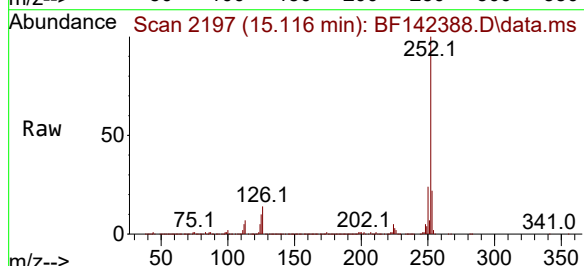
Tgt Ion:252 Resp: 1033127

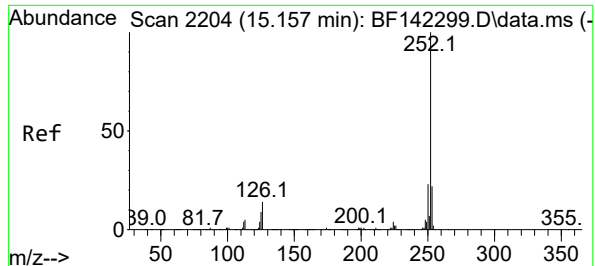
Ion Ratio Lower Upper

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# 21

Delta R.T. -0.006 min

Lab File: BF142388.D

Acq: 15 May 2025 12:18

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MS

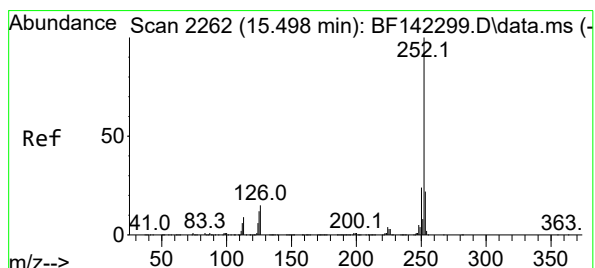
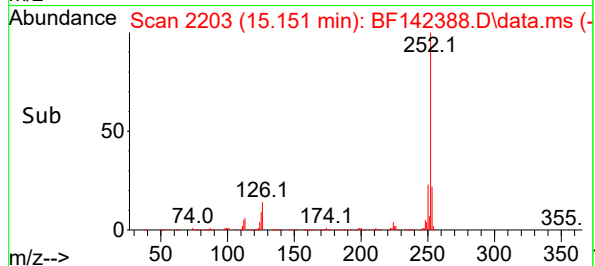
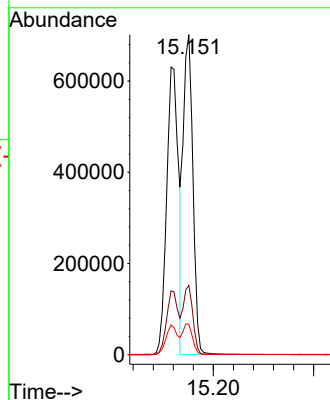
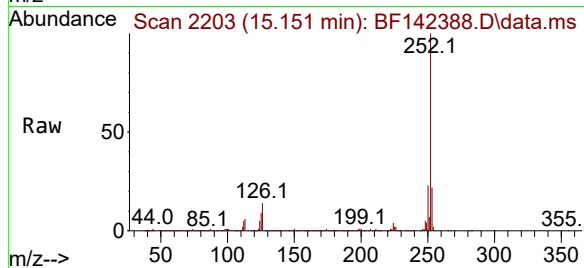
Tgt Ion:252 Resp: 946000

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

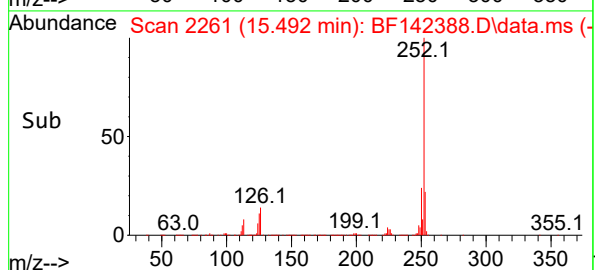
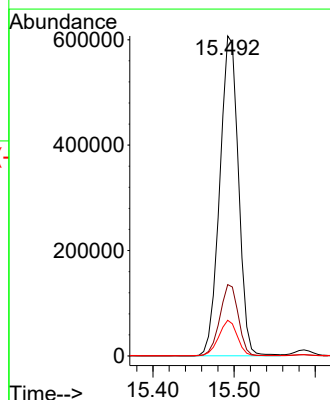
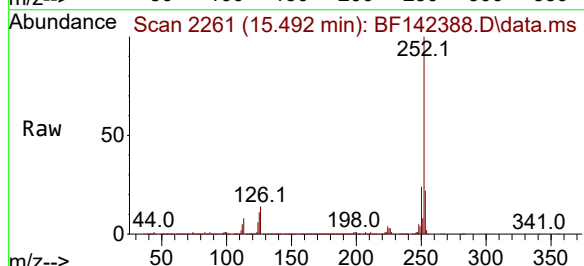
Tgt Ion:252 Resp: 974319

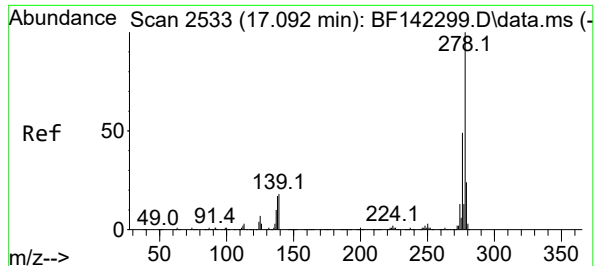
Ion Ratio Lower Upper

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# 2533

Delta R.T. -0.012 min

Lab File: BF142388.D

Acq: 15 May 2025 12:18

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MS

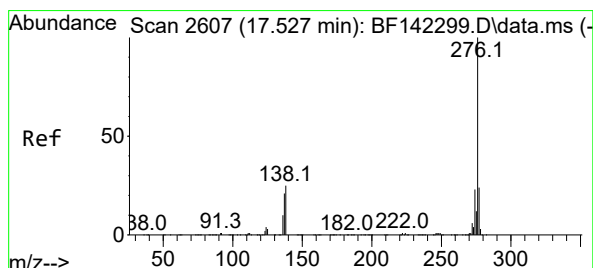
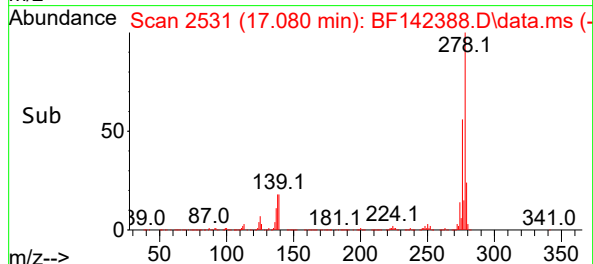
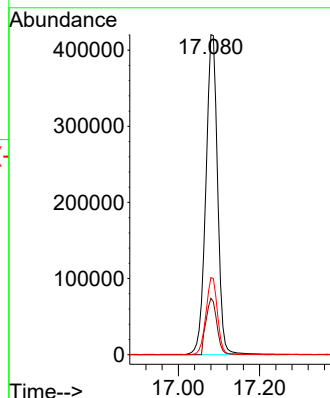
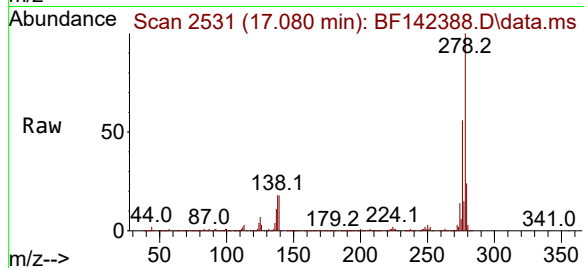
Tgt Ion:278 Resp: 842856

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

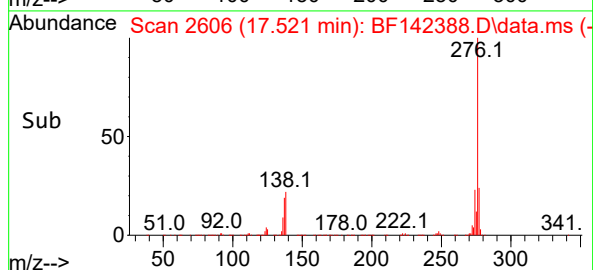
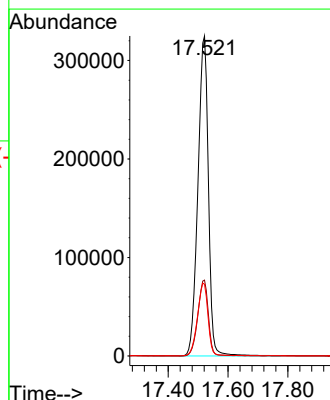
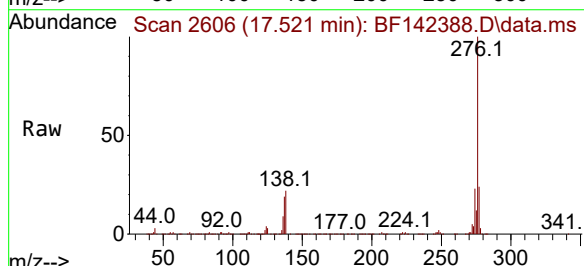
Tgt Ion:276 Resp: 790907

Ion Ratio Lower Upper

276 100

277 23.7 19.0 28.6

138 22.4 19.8 29.6



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

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

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

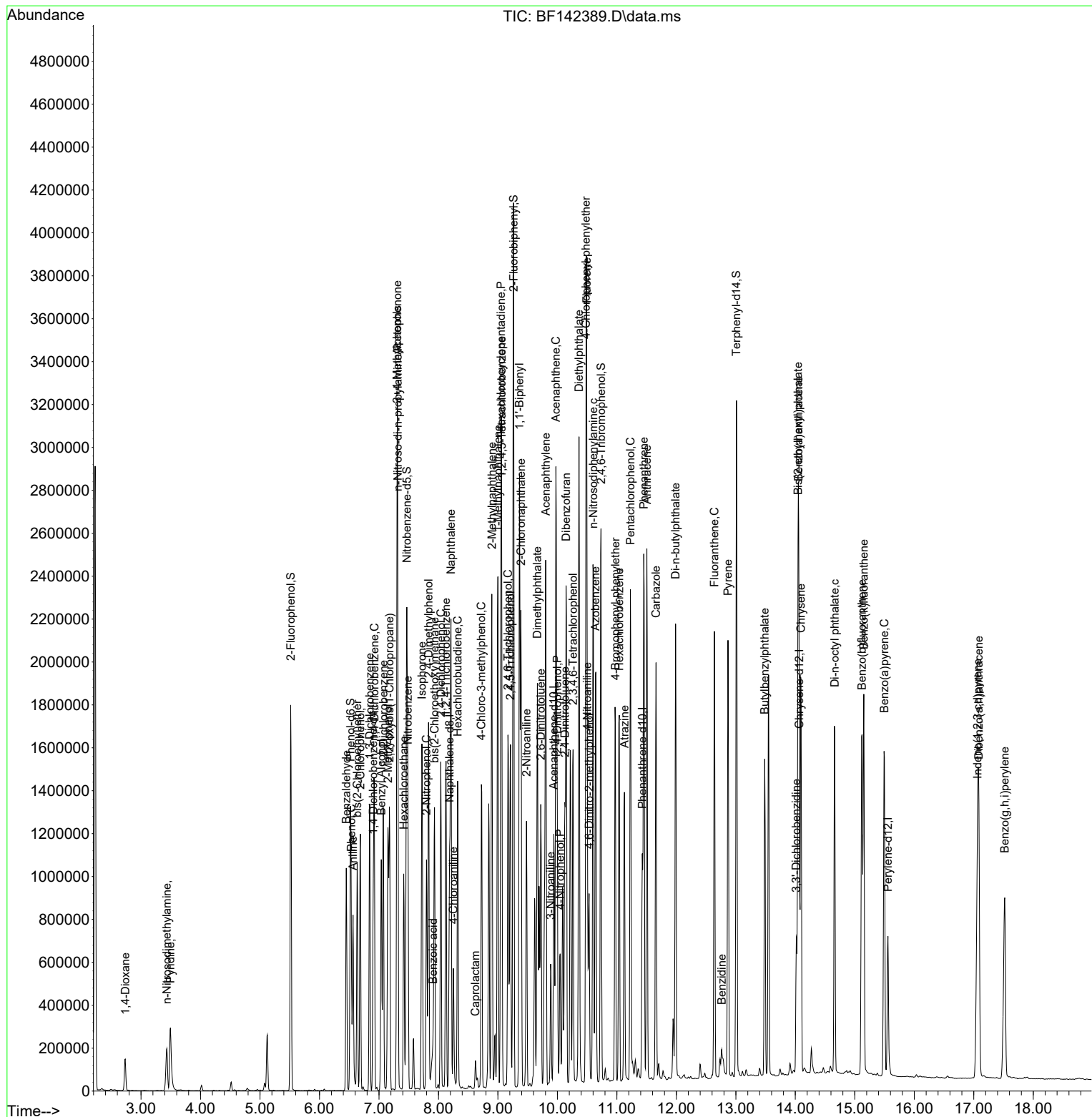
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.210	196	324822	48.481	ng	98
46) 1,1'-Biphenyl	9.363	154	1234418	45.041	ng	99
47) 2-Chloronaphthalene	9.386	162	917216	45.002	ng	99
48) 2-Nitroaniline	9.480	65	282636	54.101	ng	93
49) Acenaphthylene	9.804	152	1533127	44.966	ng	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

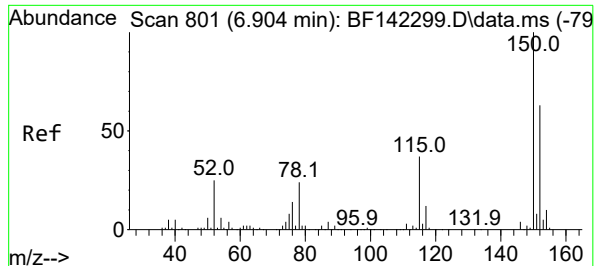
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Data File : BF142389.D
Acq On : 15 May 2025 12:47
Operator : RC/JU
Sample : Q1993-03MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

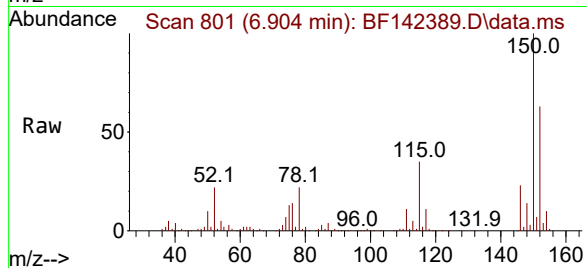
Quant Time: May 15 13:30:08 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon May 05 18:41:44 2025
Response via : Initial Calibration



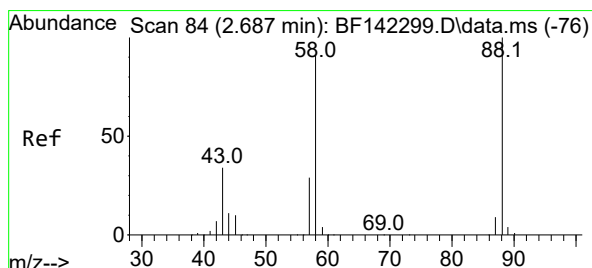
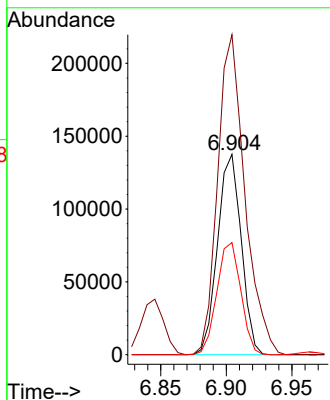
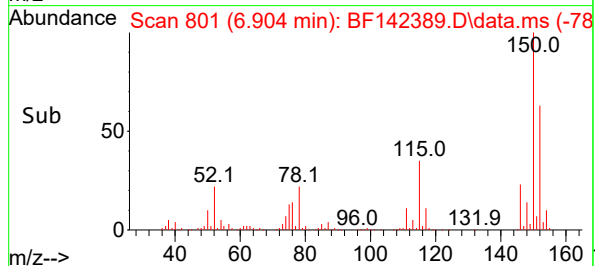


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

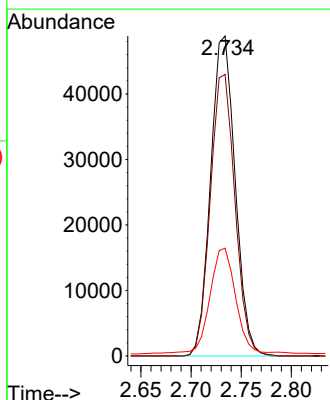
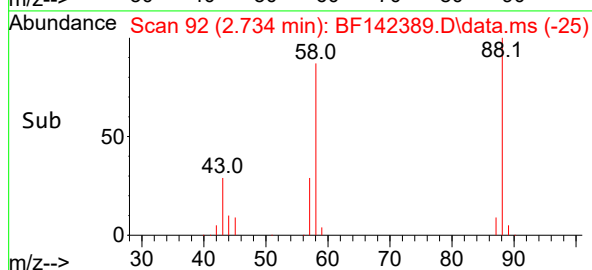
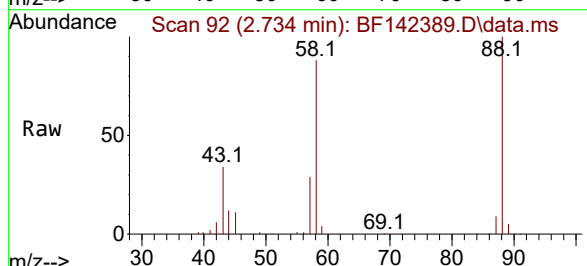


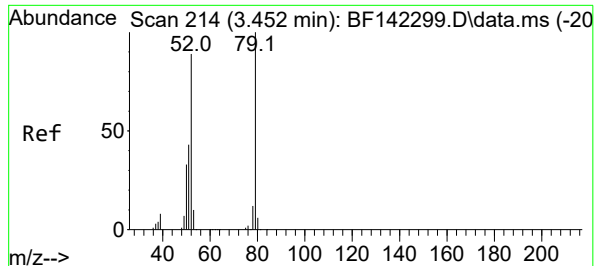
Tgt Ion:152 Resp: 172657
Ion Ratio Lower Upper
152 100
150 159.7 126.6 190.0
115 56.0 47.3 70.9



#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# 211

Delta R.T. 0.041 min

Lab File: BF142389.D

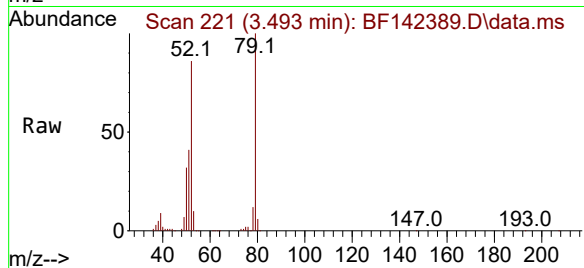
Acq: 15 May 2025 12:47

Instrument :

BNA_F

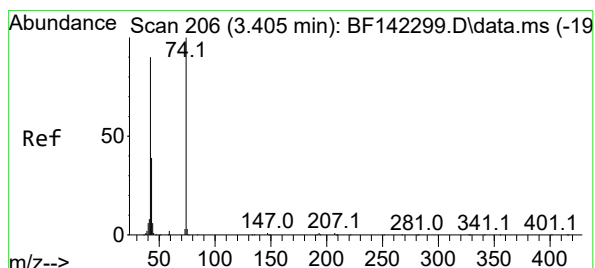
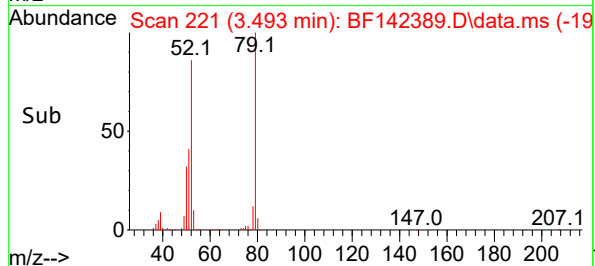
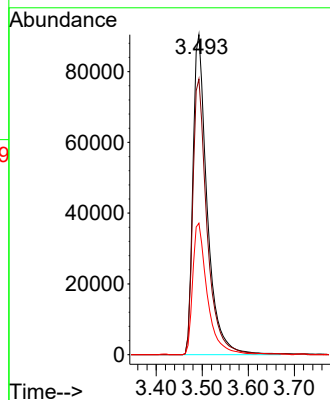
ClientSampleId :

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

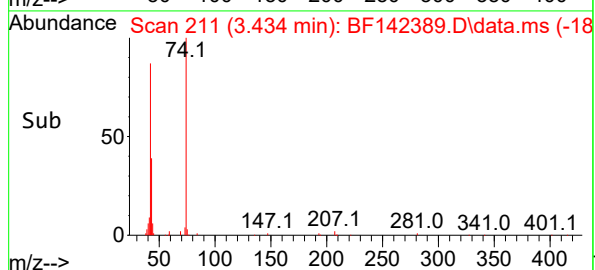
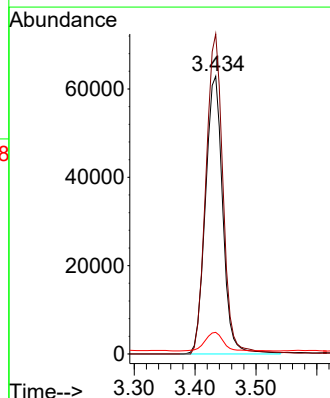
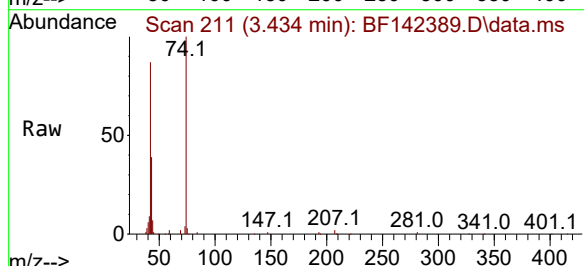
Delta R.T. 0.029 min

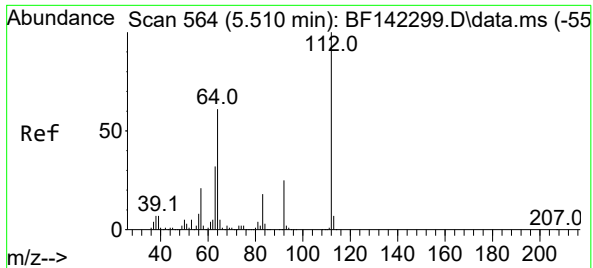
Lab File: BF142389.D

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

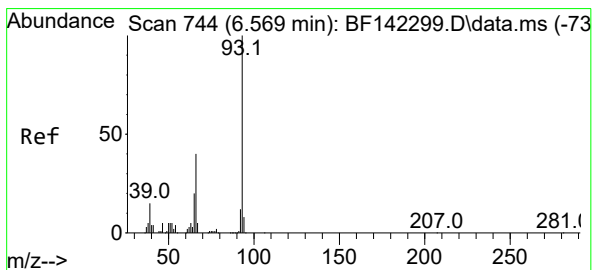
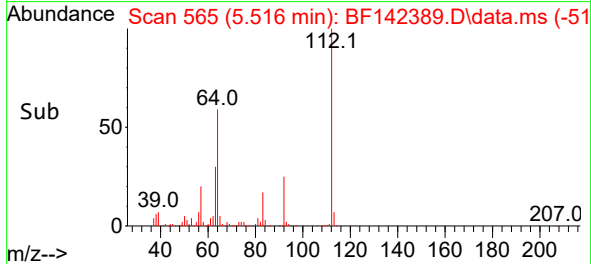
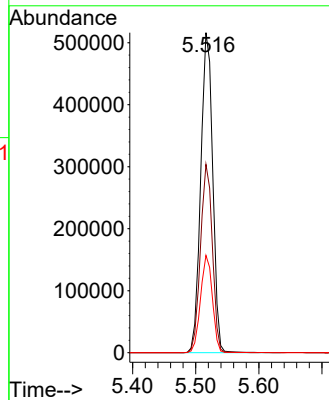
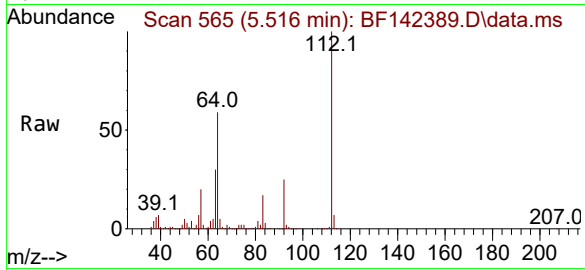




#5
2-Fluorophenol
Concen: 67.192 ng
RT: 5.516 min Scan# 50
Delta R.T. 0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

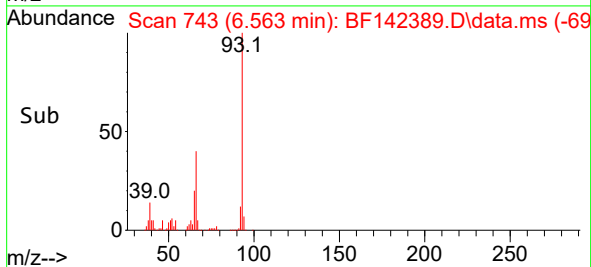
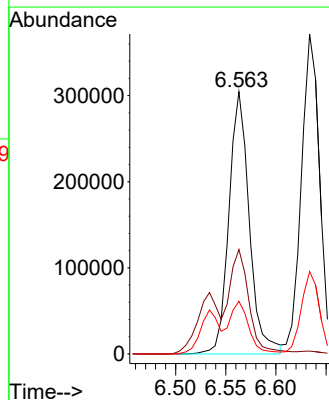
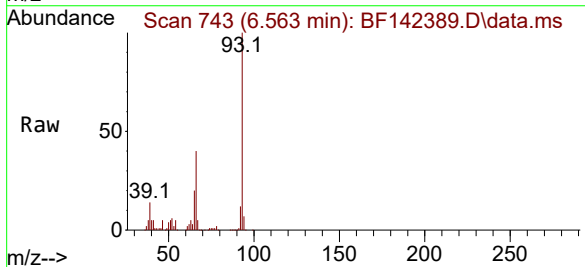
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

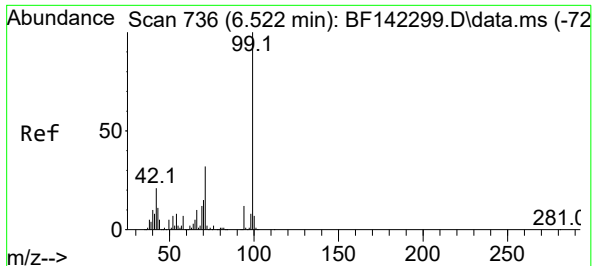
Tgt Ion:112 Resp: 679597
Ion Ratio Lower Upper
112 100
64 58.9 48.9 73.3
63 30.4 25.6 38.4



#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# 736

Delta R.T. -0.000 min

Lab File: BF142389.D

Acq: 15 May 2025 12:47

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MSD

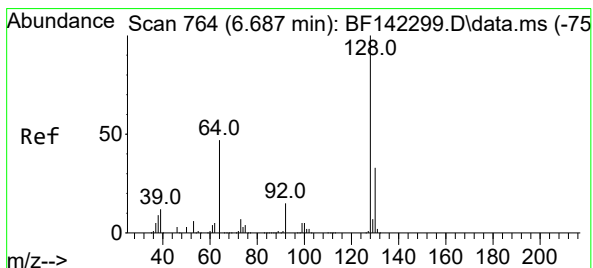
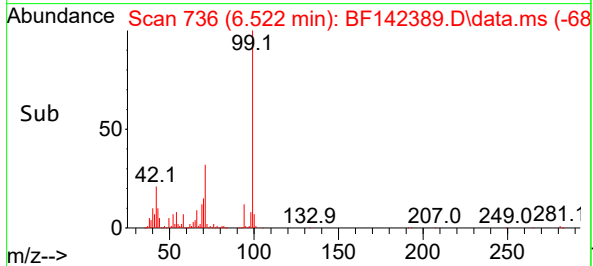
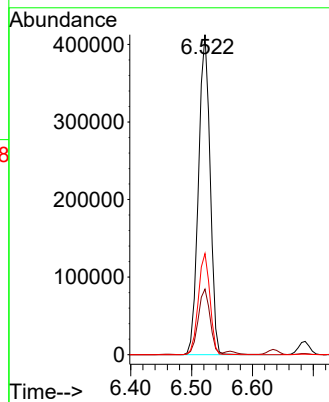
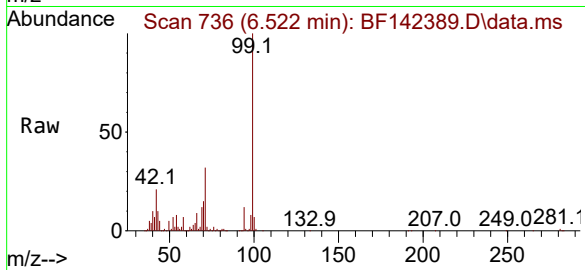
Tgt Ion: 99 Resp: 545778

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

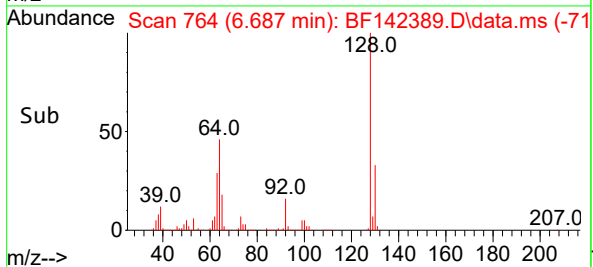
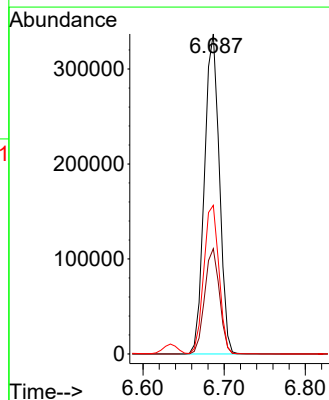
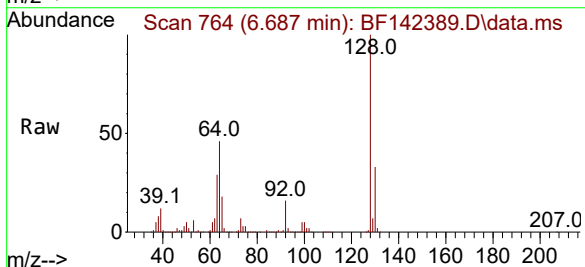
Tgt Ion: 128 Resp: 429490

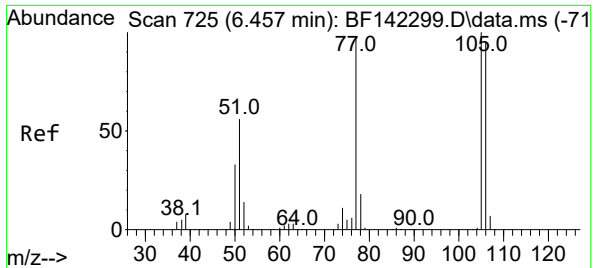
Ion Ratio Lower Upper

128 100

130 32.9 12.7 52.7

64 46.5 29.2 69.2

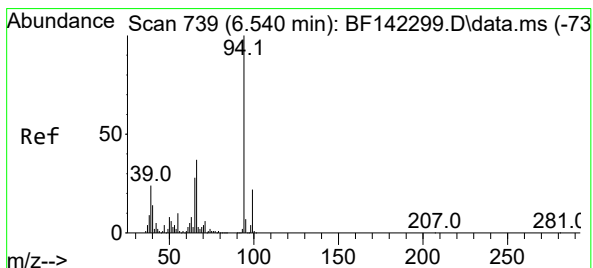
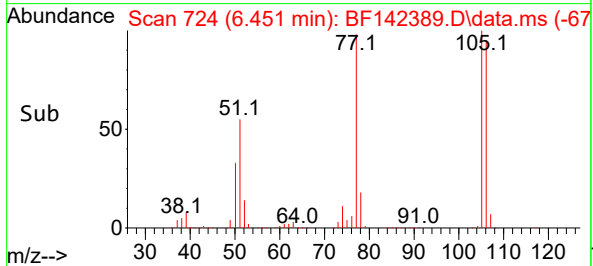
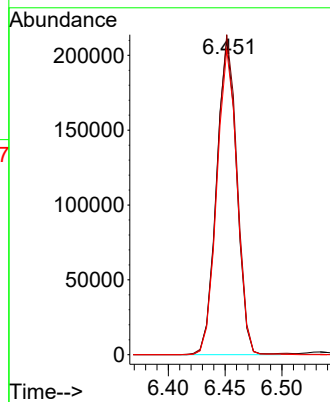
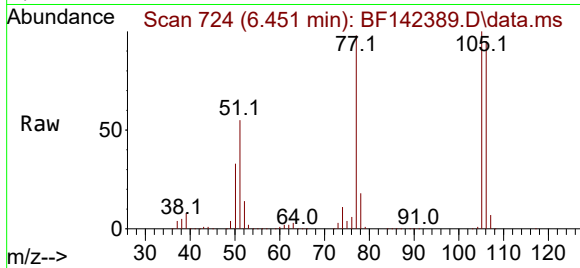




#9
Benzaldehyde
Concen: 35.605 ng
RT: 6.451 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

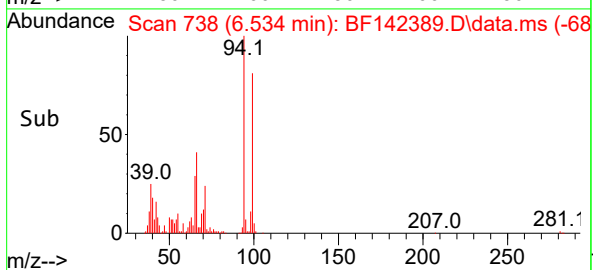
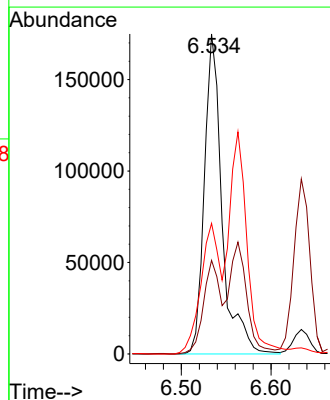
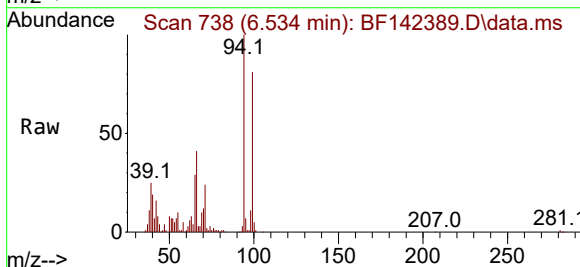
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

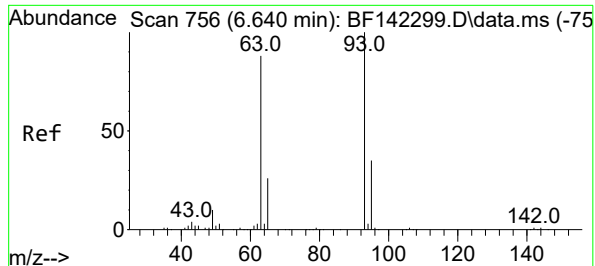
Tgt Ion: 77 Resp: 259230
Ion Ratio Lower Upper
77 100
105 101.6 82.0 122.0
106 96.8 77.2 117.2



#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

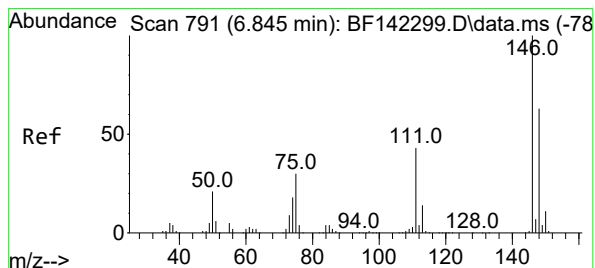
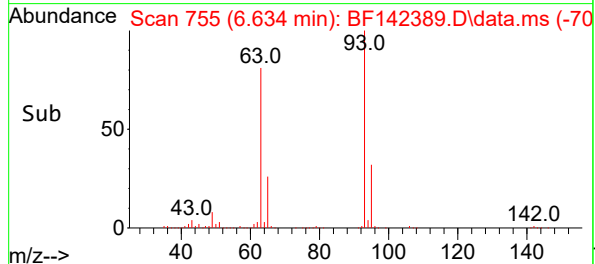
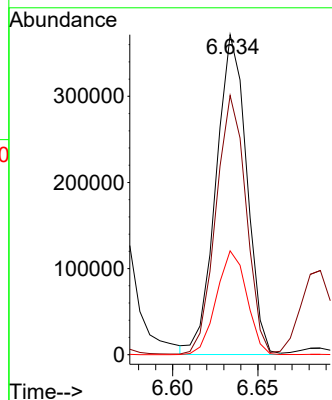
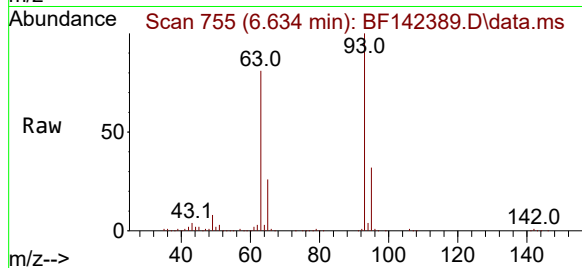




#11
bis(2-Chloroethyl)ether
Concen: 35.803 ng
RT: 6.634 min Scan# 755
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

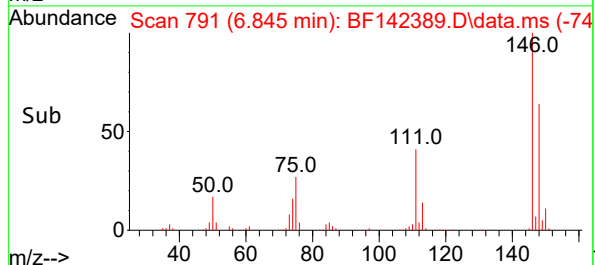
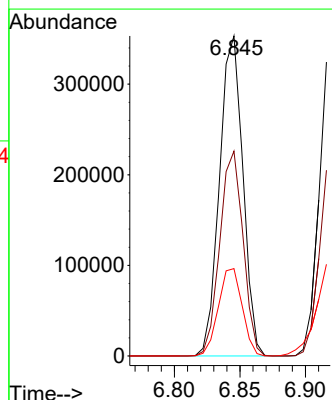
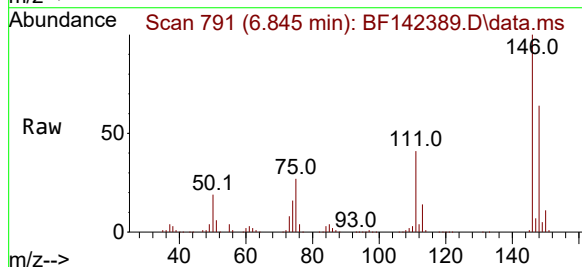
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

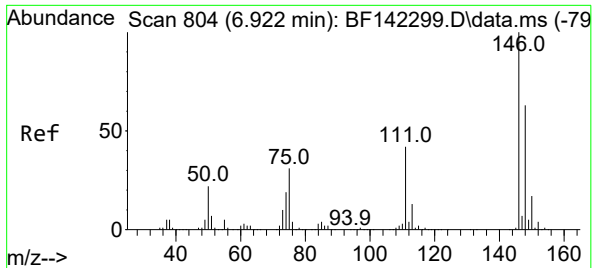
Tgt Ion: 93 Resp: 465560
Ion Ratio Lower Upper
93 100
63 81.0 58.4 98.4
95 32.4 10.6 50.6



#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# 80

Delta R.T. -0.000 min

Lab File: BF142389.D

Acq: 15 May 2025 12:47

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MSD

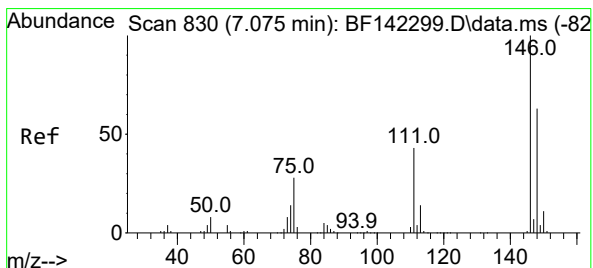
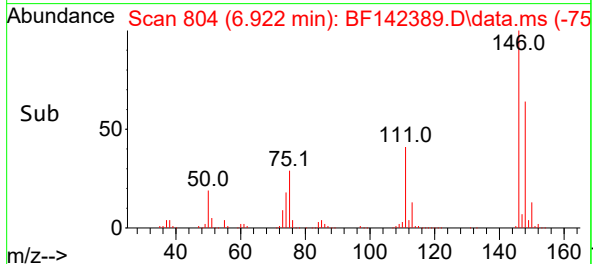
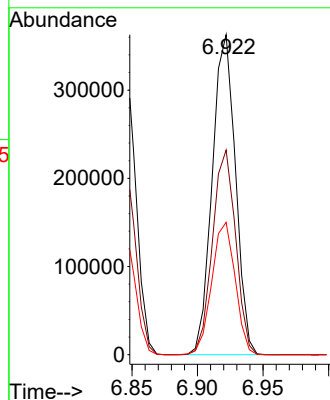
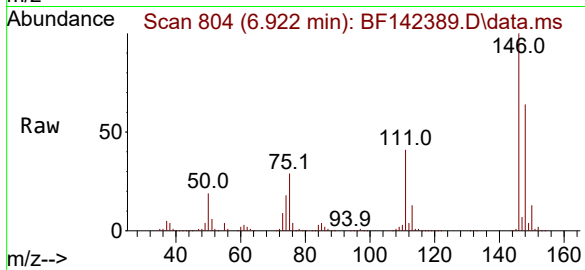
Tgt Ion:146 Resp: 447175

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

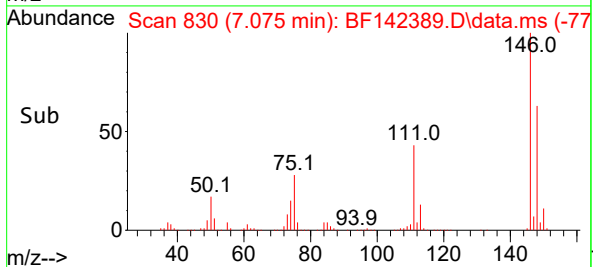
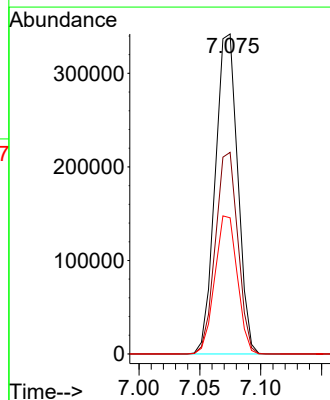
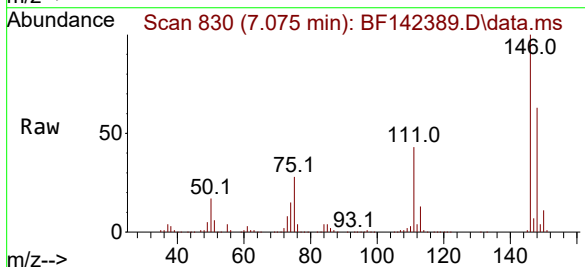
Tgt Ion:146 Resp: 440362

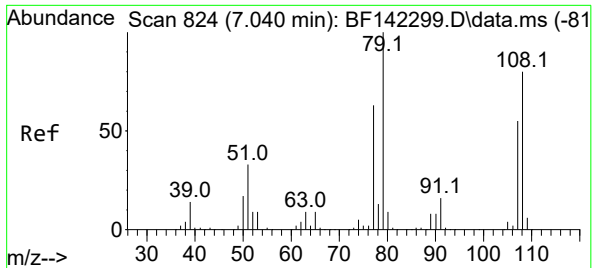
Ion Ratio Lower Upper

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# 81

Delta R.T. -0.000 min

Lab File: BF142389.D

Acq: 15 May 2025 12:47

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MSD

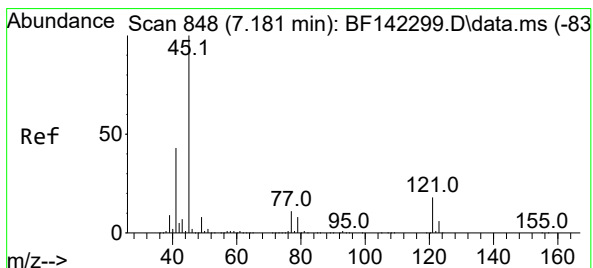
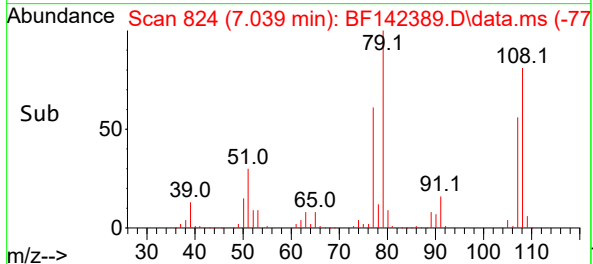
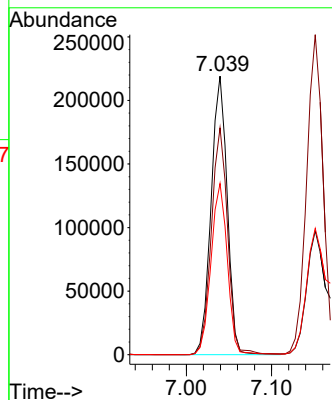
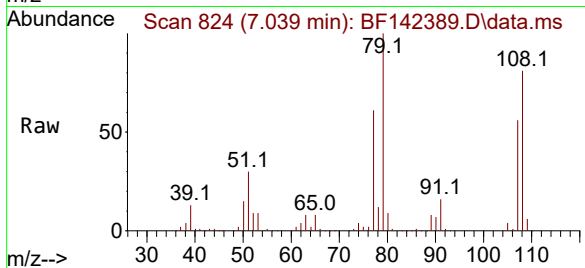
Tgt Ion: 79 Resp: 288653

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

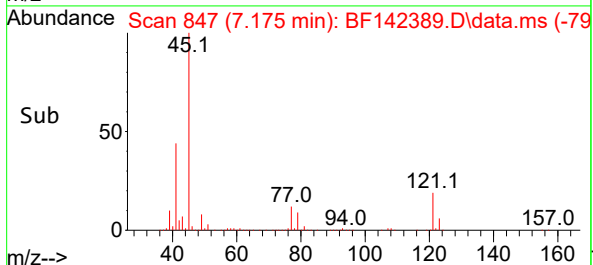
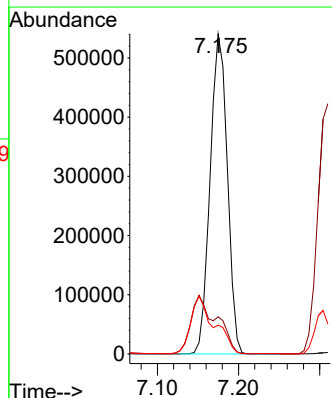
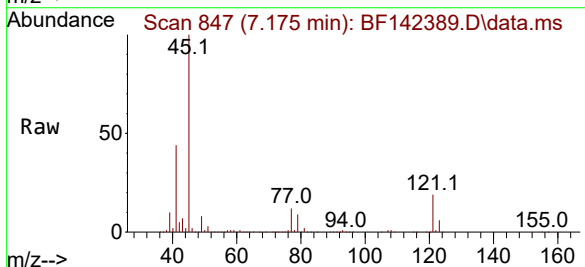
Tgt Ion: 45 Resp: 794103

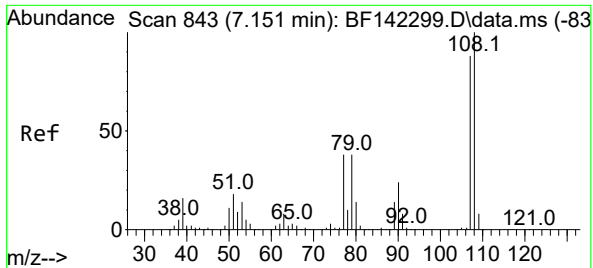
Ion Ratio Lower Upper

45 100

77 11.6 0.0 31.2

79 9.0 0.0 28.5

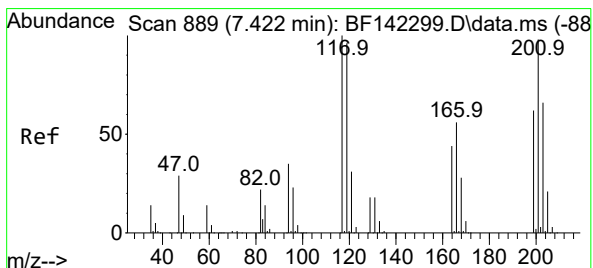
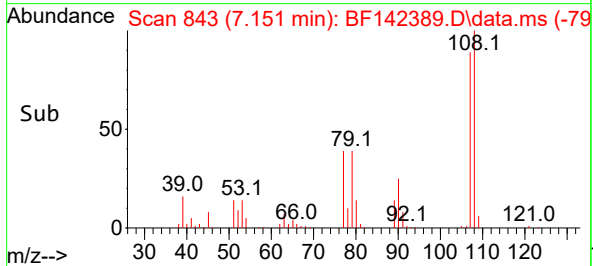
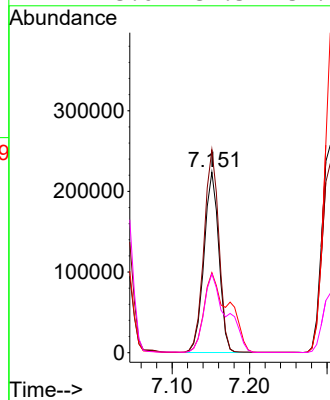
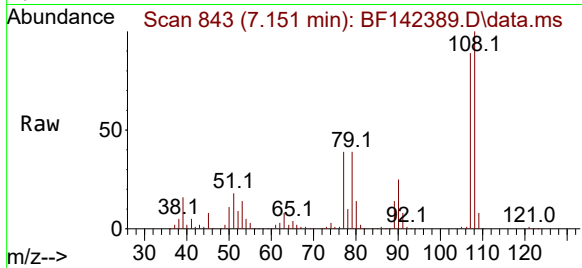




#17
2-Methylphenol
Concen: 34.126 ng
RT: 7.151 min Scan# 843
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

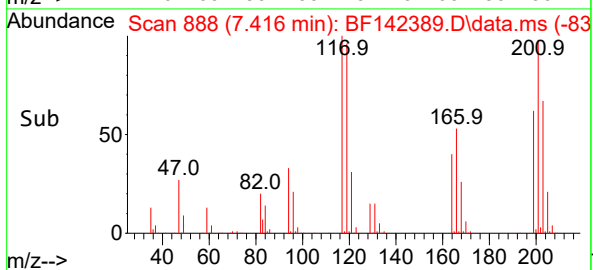
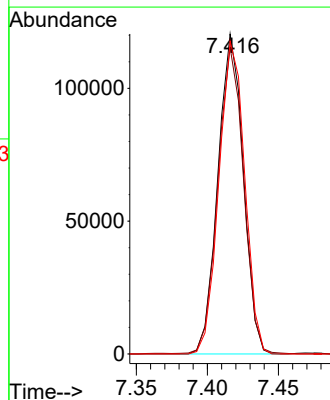
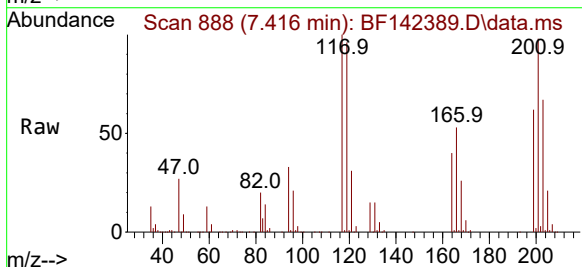
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

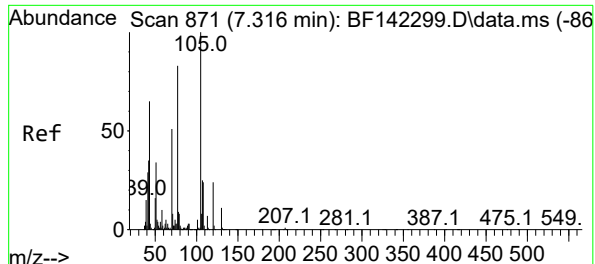
Tgt Ion:107 Resp: 298612
Ion Ratio Lower Upper
107 100
108 112.5 91.1 136.7
77 44.4 34.7 52.1
79 43.6 34.5 51.7



#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# 871

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

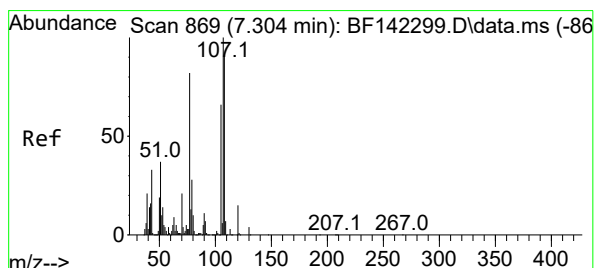
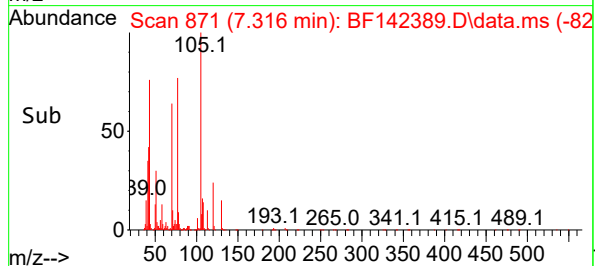
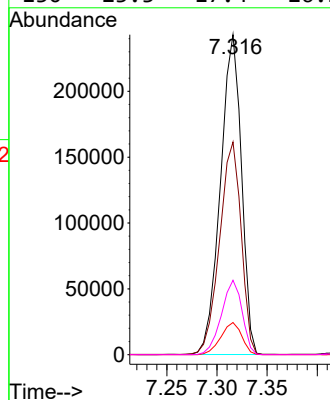
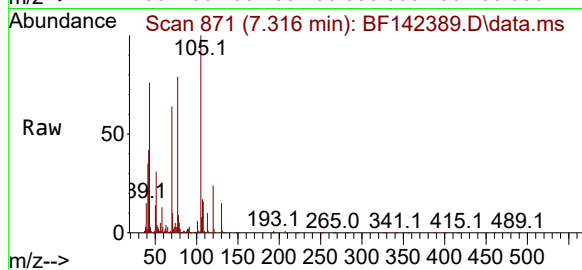
Ion Ratio Lower Upper

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

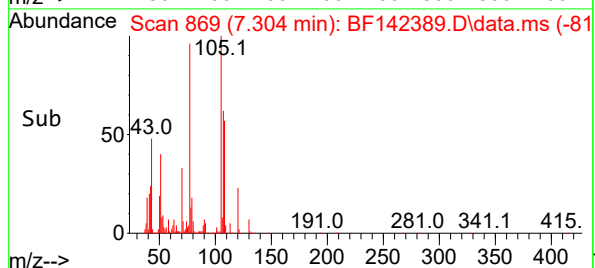
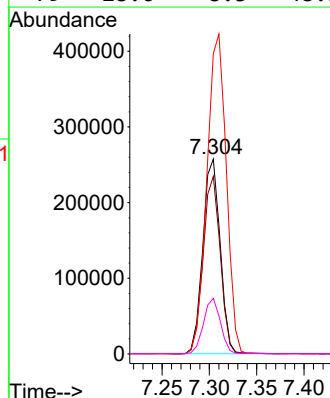
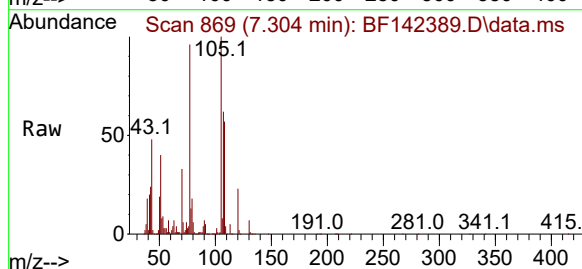
Ion Ratio Lower Upper

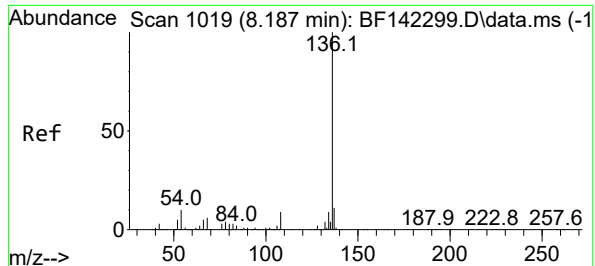
107 100

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# 1019

Delta R.T. -0.000 min

Lab File: BF142389.D

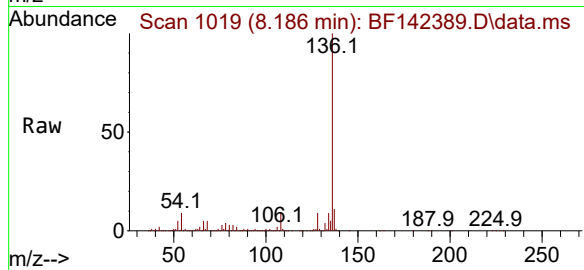
Acq: 15 May 2025 12:47

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MSD



Tgt Ion:136 Resp: 662026

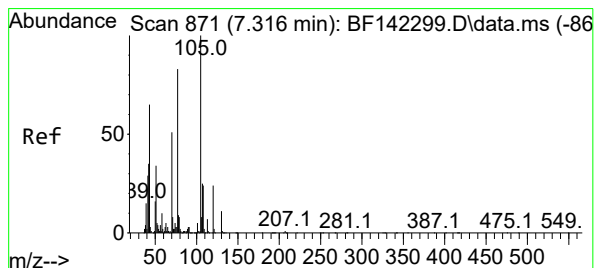
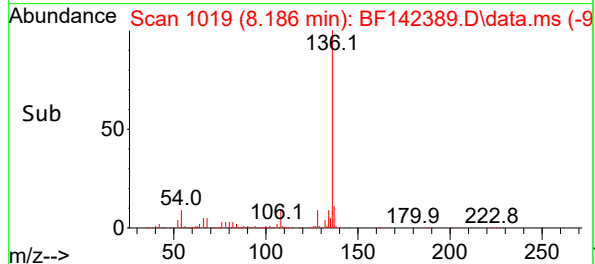
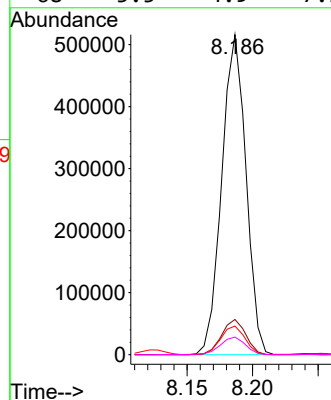
Ion Ratio Lower Upper

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

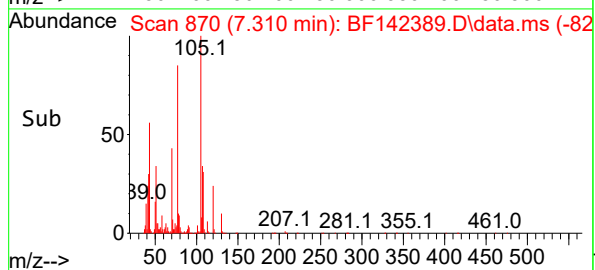
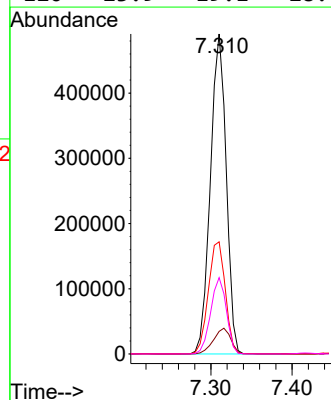
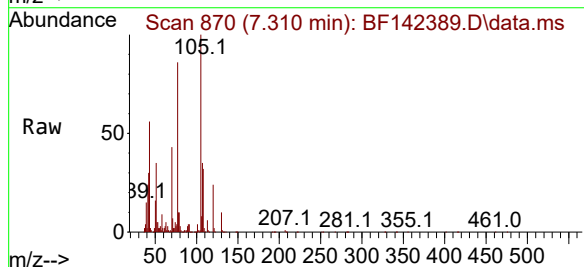
Ion Ratio Lower Upper

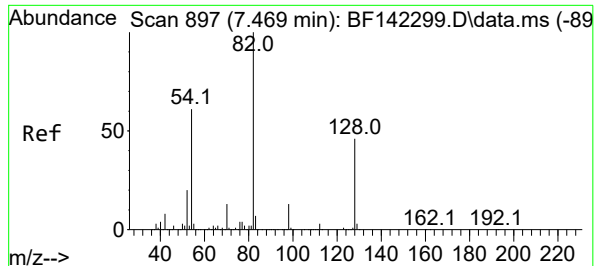
105 100

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# 897

Delta R.T. -0.000 min

Lab File: BF142389.D

Acq: 15 May 2025 12:47

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MSD

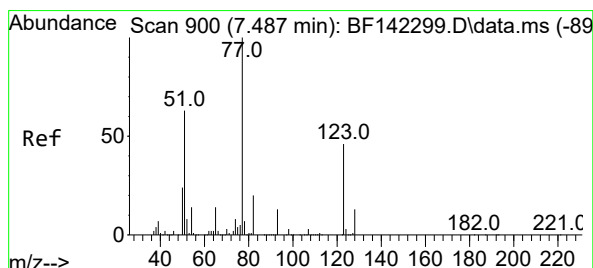
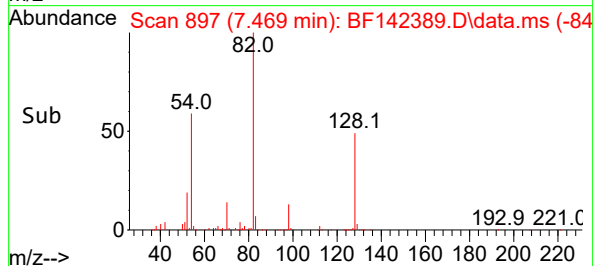
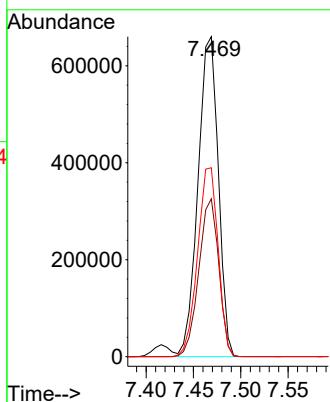
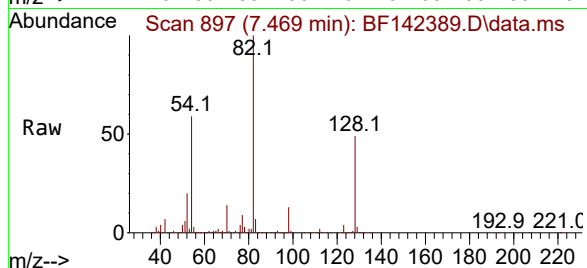
Tgt Ion: 82 Resp: 981708

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

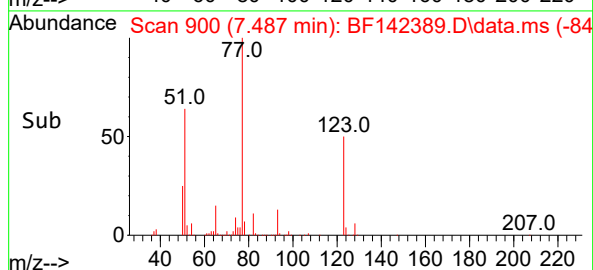
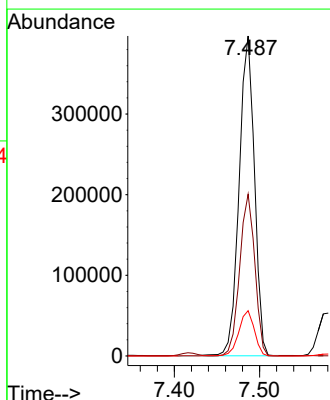
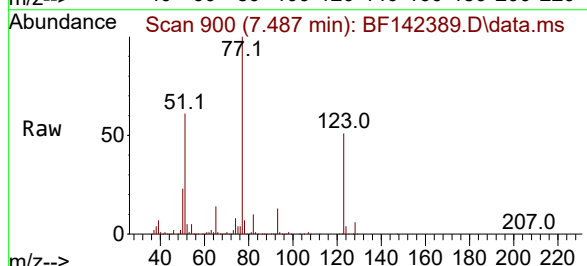
Tgt Ion: 77 Resp: 494951

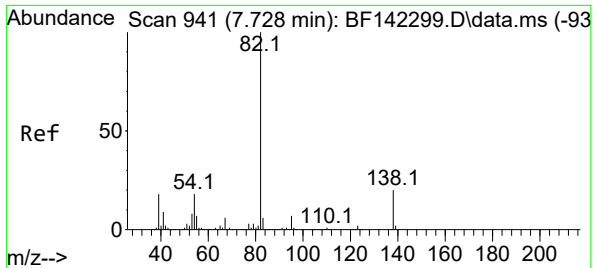
Ion Ratio Lower Upper

77 100

123 50.6 37.8 56.8

65 14.1 11.4 17.0

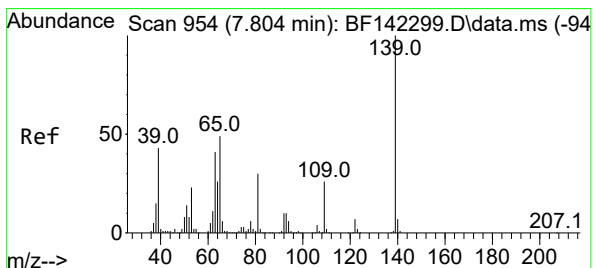
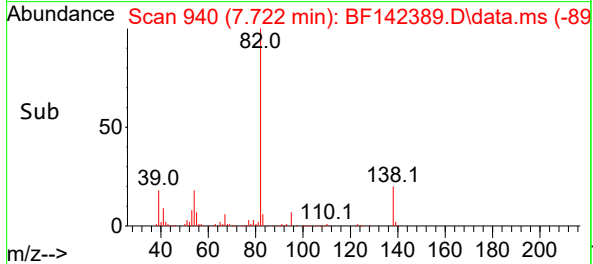
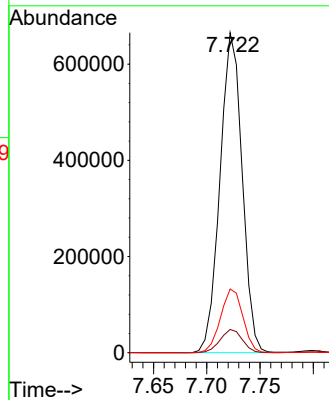
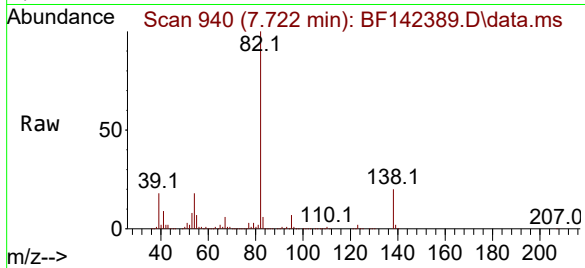




#25
Isophorone
Concen: 46.768 ng
RT: 7.722 min Scan# 941
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

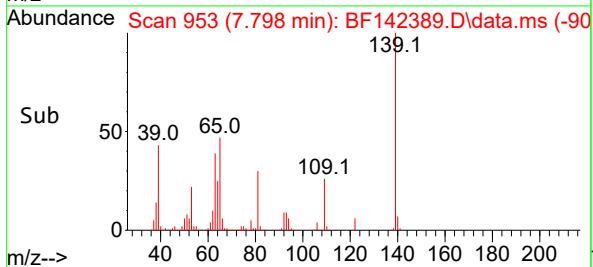
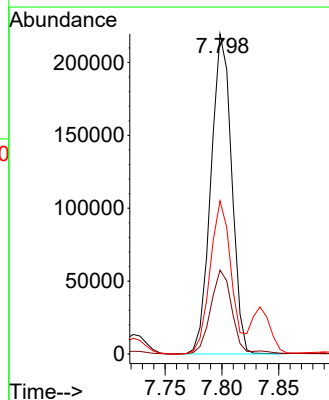
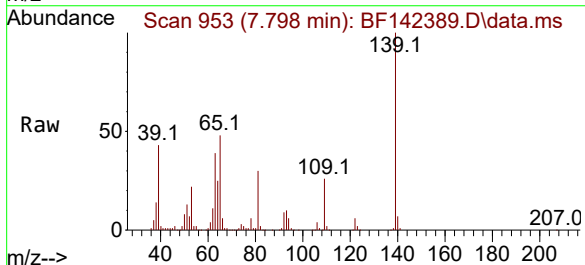
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

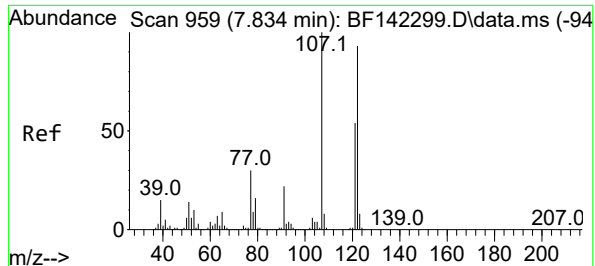
Tgt Ion: 82 Resp: 961365
Ion Ratio Lower Upper
82 100
95 7.3 5.8 8.8
138 19.9 16.1 24.1



#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# 91

Delta R.T. -0.000 min

Lab File: BF142389.D

Acq: 15 May 2025 12:47

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MSD

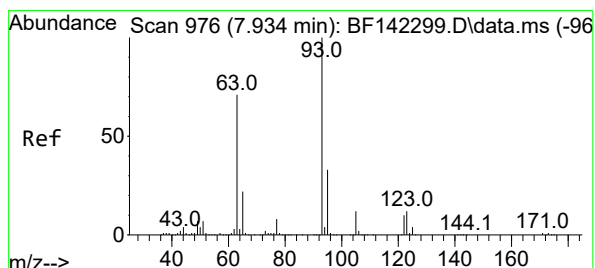
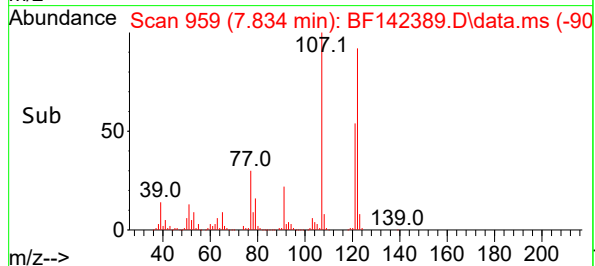
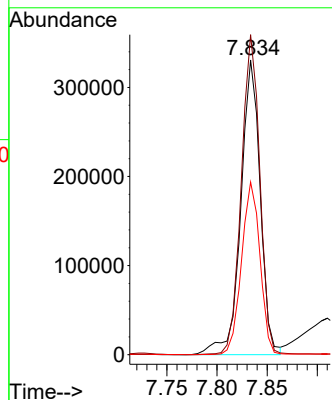
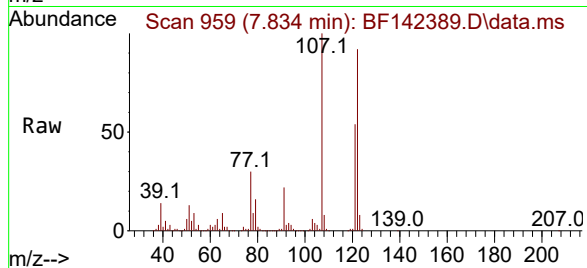
Tgt Ion:122 Resp: 447099

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

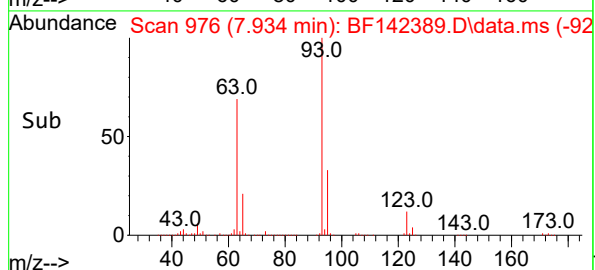
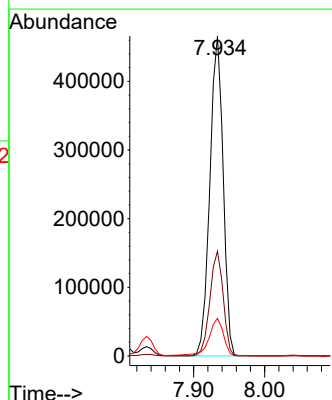
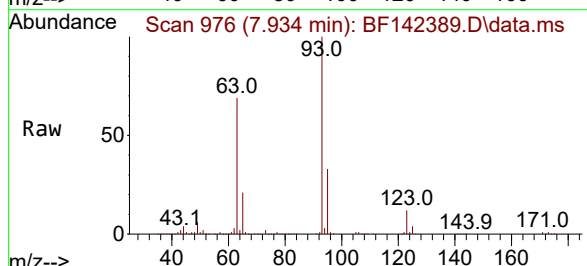
Tgt Ion: 93 Resp: 606692

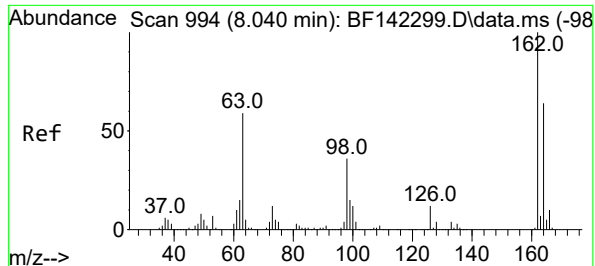
Ion Ratio Lower Upper

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# 994

Delta R.T. -0.000 min

Lab File: BF142389.D

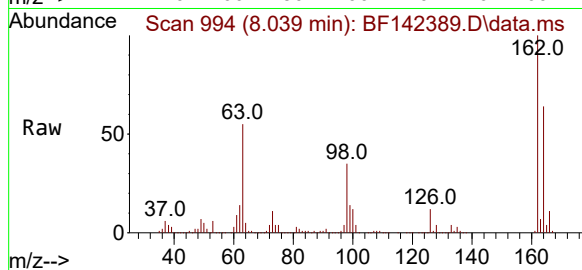
Acq: 15 May 2025 12:47

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MSD



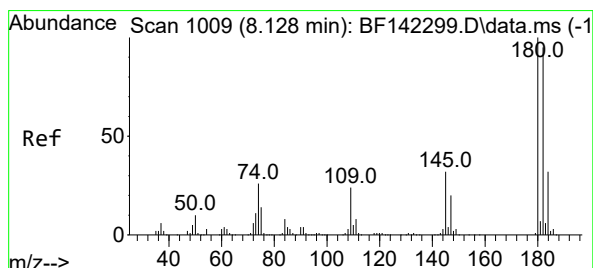
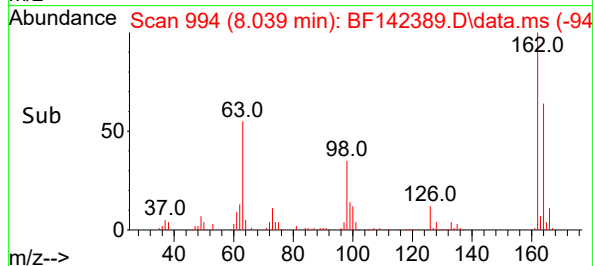
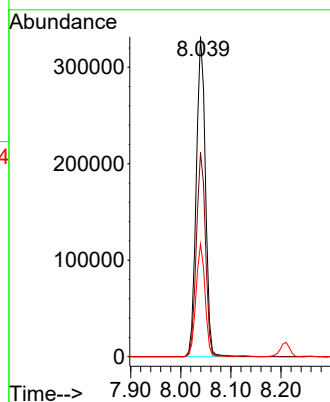
Tgt Ion:162 Resp: 420656

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

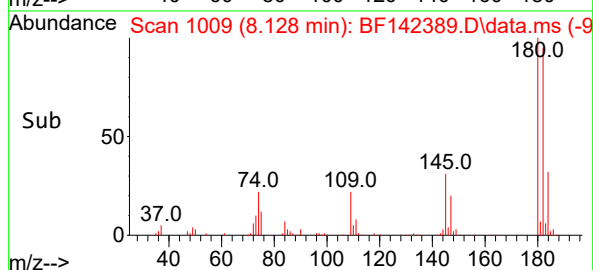
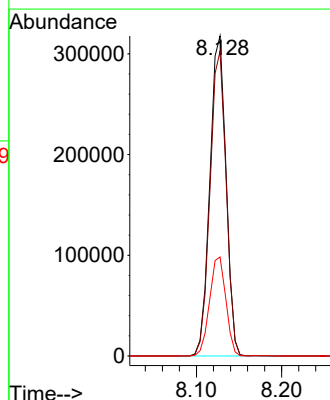
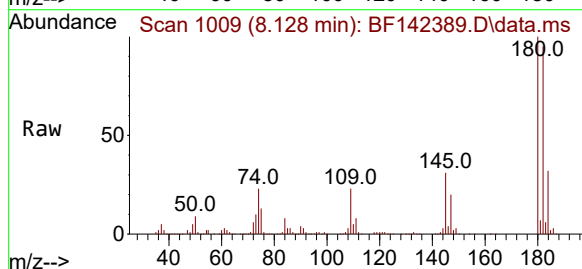
Tgt Ion:180 Resp: 418015

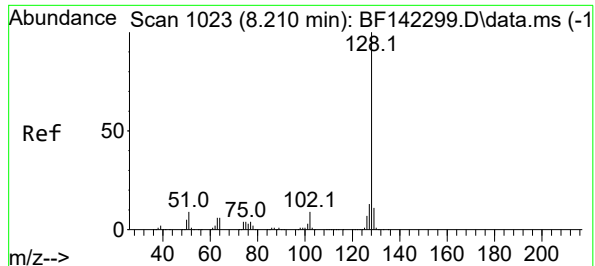
Ion Ratio Lower Upper

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

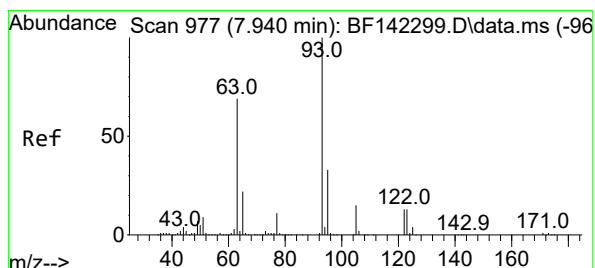
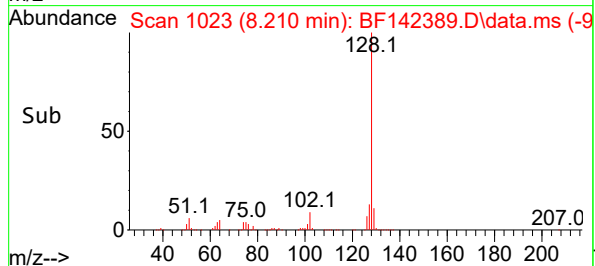
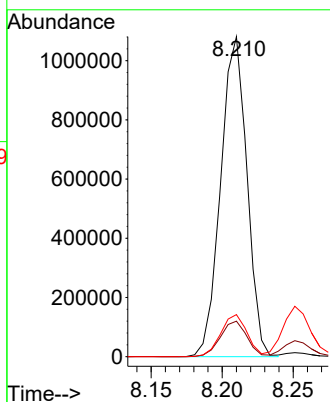
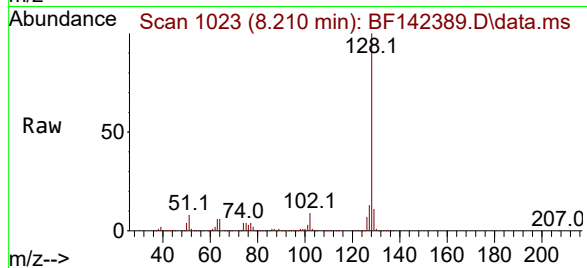
Tgt Ion:128 Resp: 1389634

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

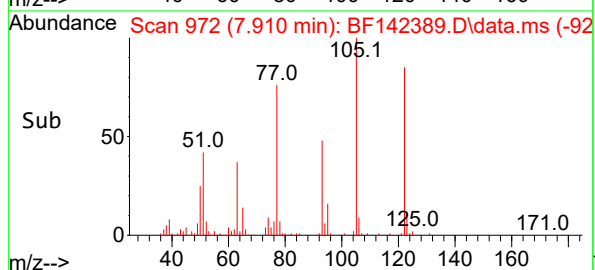
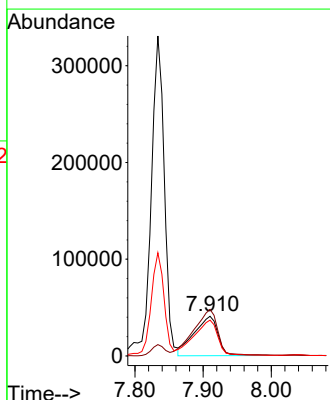
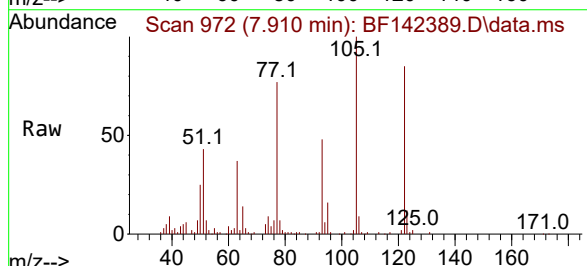
Tgt Ion:122 Resp: 100050

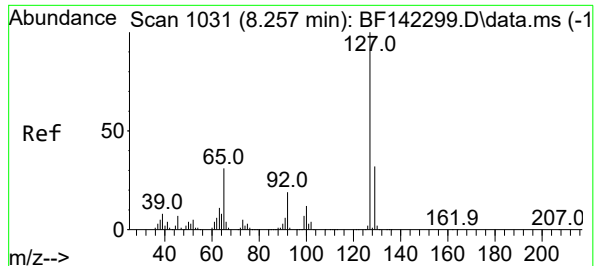
Ion Ratio Lower Upper

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# 1030

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

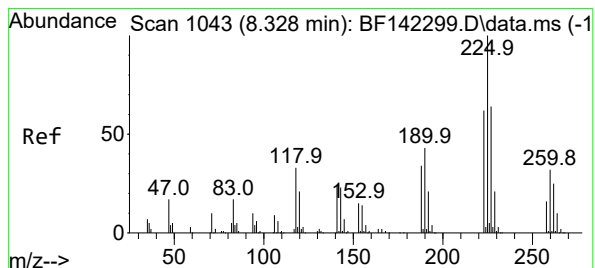
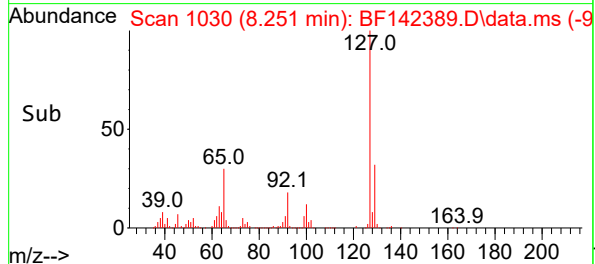
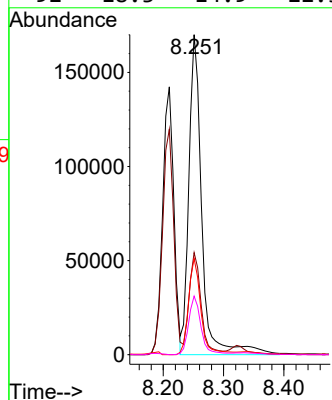
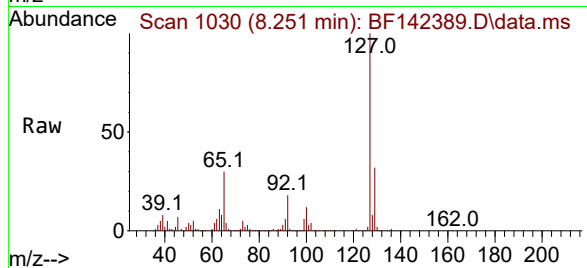
Ion Ratio Lower Upper

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

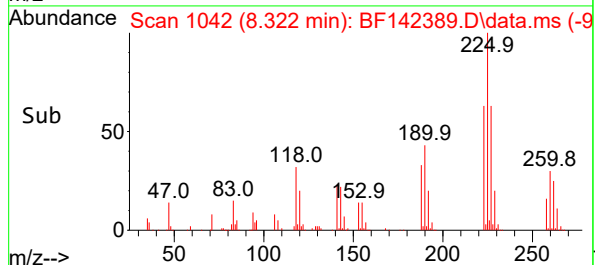
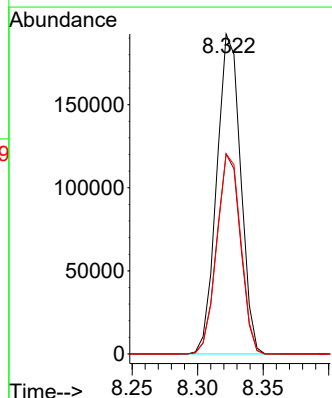
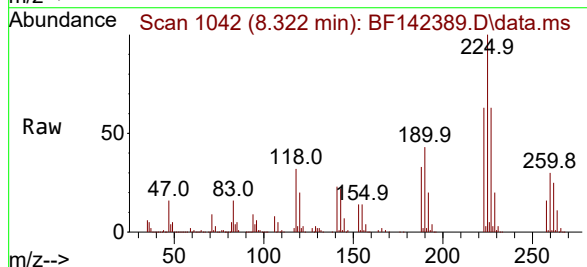
Tgt Ion:225 Resp: 243324

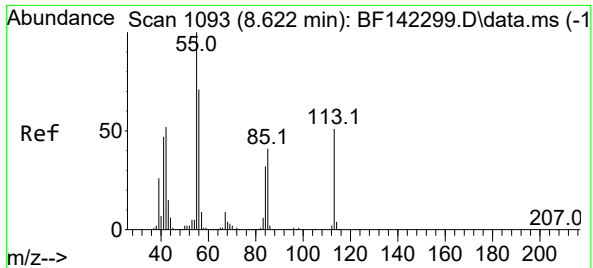
Ion Ratio Lower Upper

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# 1109

Delta R.T. -0.000 min

Lab File: BF142389.D

Acq: 15 May 2025 12:47

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MSD

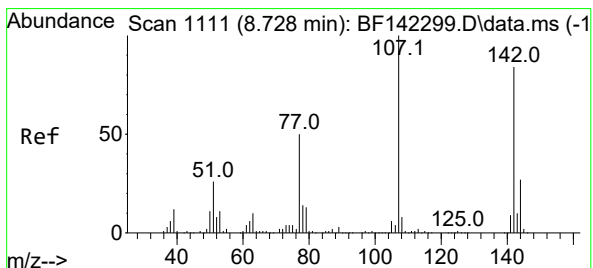
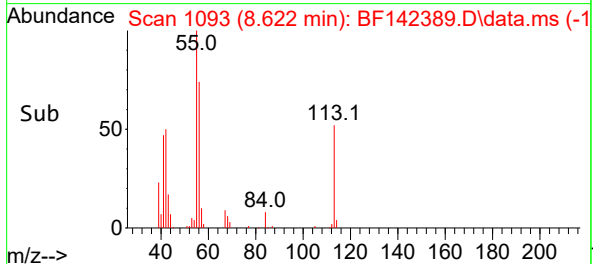
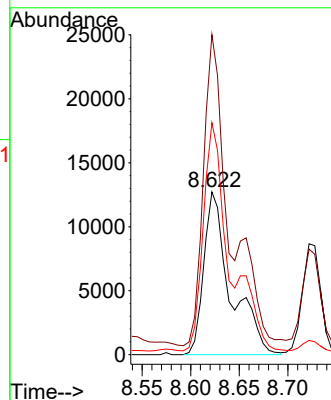
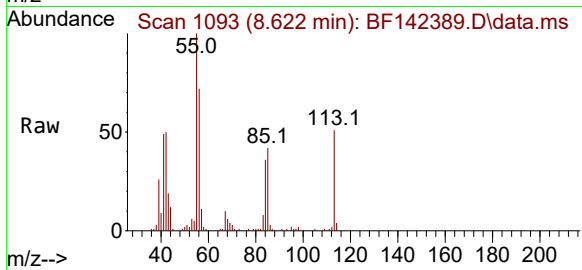
Tgt Ion:113 Resp: 24538

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

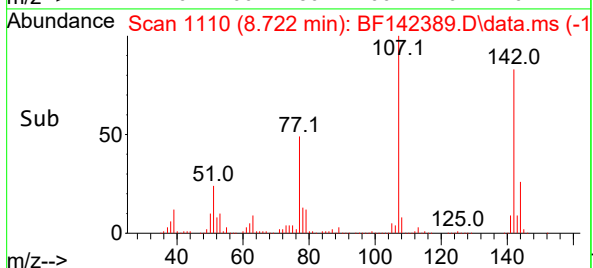
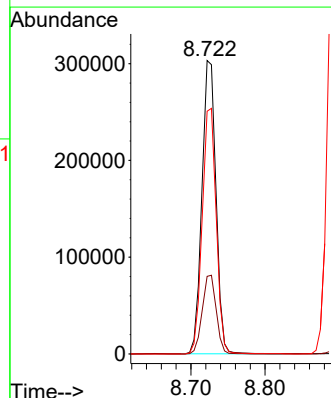
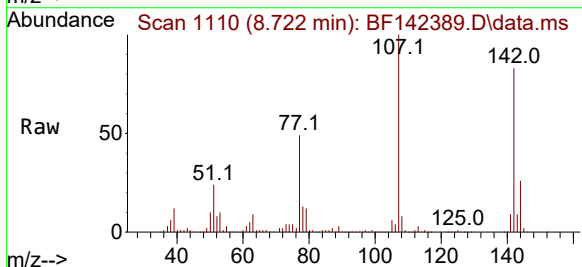
Tgt Ion:107 Resp: 398461

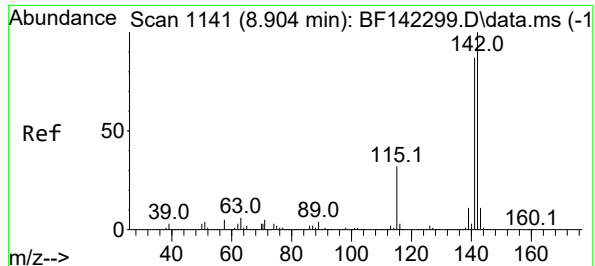
Ion Ratio Lower Upper

107 100

144 26.5 21.3 31.9

142 82.7 66.9 100.3

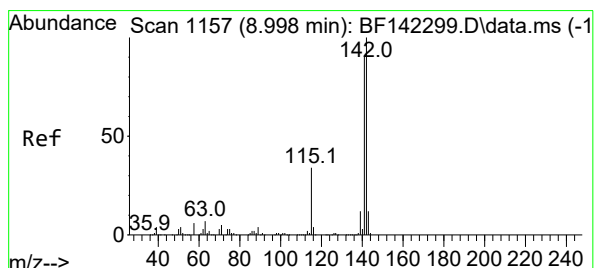
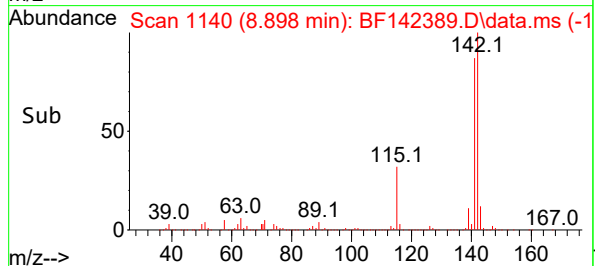
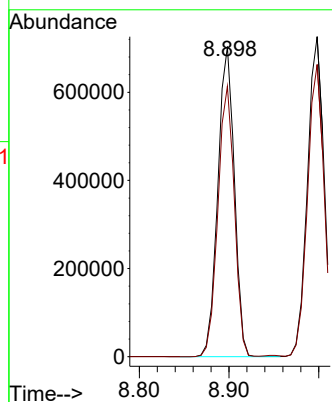
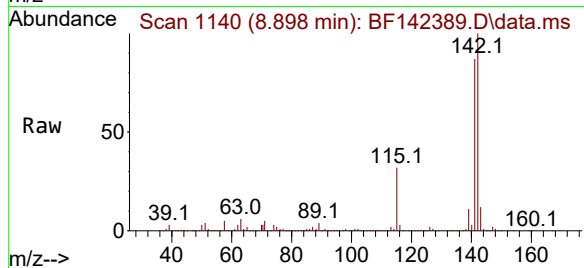




#37
2-Methylnaphthalene
Concen: 45.031 ng
RT: 8.898 min Scan# 1140
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

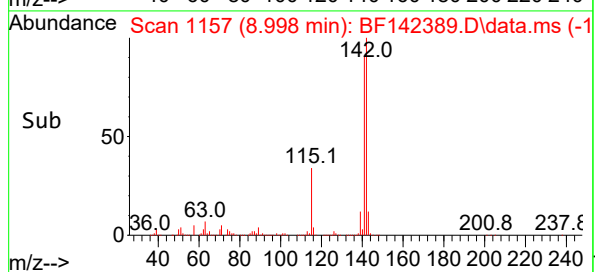
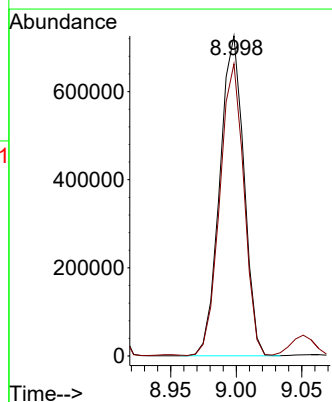
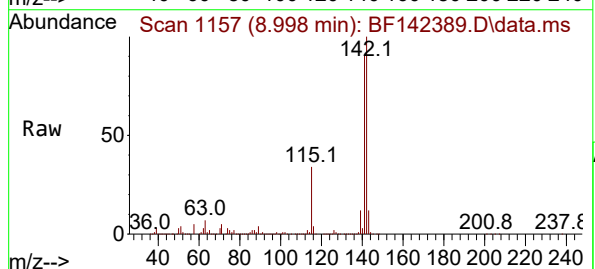
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

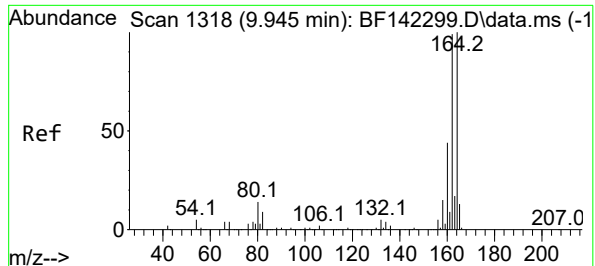
Tgt Ion:142 Resp: 897809
Ion Ratio Lower Upper
142 100
141 87.2 69.4 104.2



#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# 1168

Delta R.T. -0.006 min

Lab File: BF142389.D

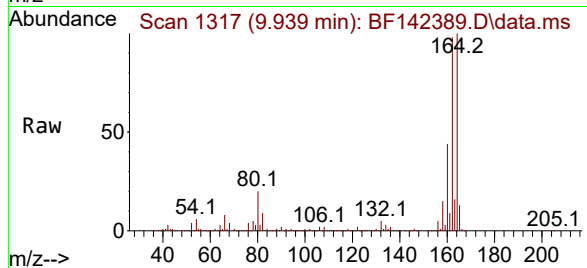
Acq: 15 May 2025 12:47

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MSD



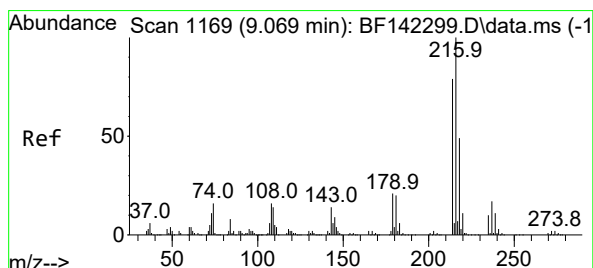
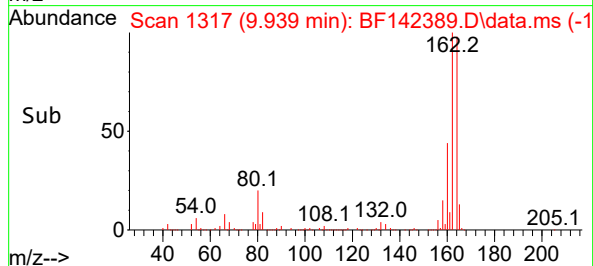
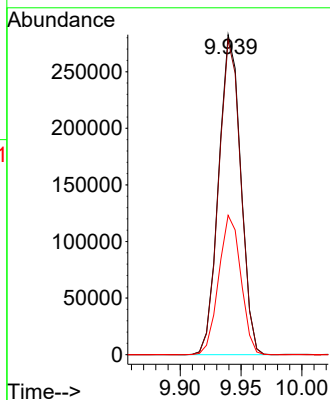
Tgt Ion:164 Resp: 357440

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

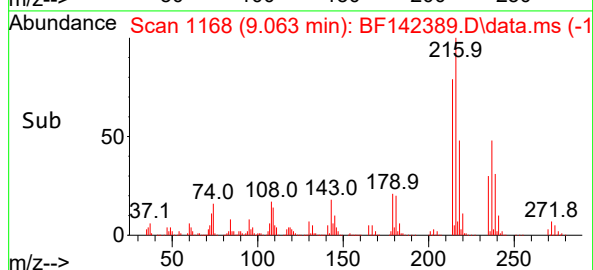
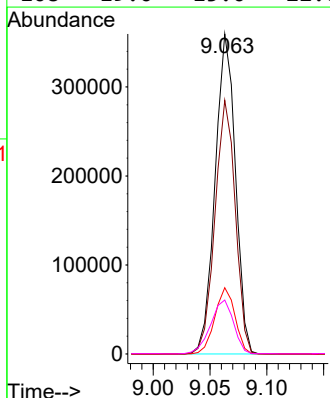
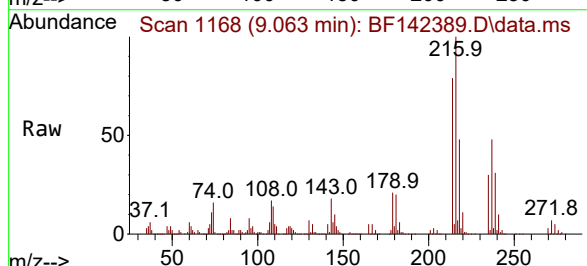
Ion Ratio Lower Upper

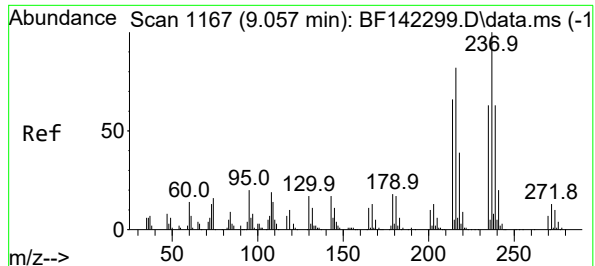
216 100

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# 1166

Delta R.T. -0.006 min

Lab File: BF142389.D

Acq: 15 May 2025 12:47

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MSD

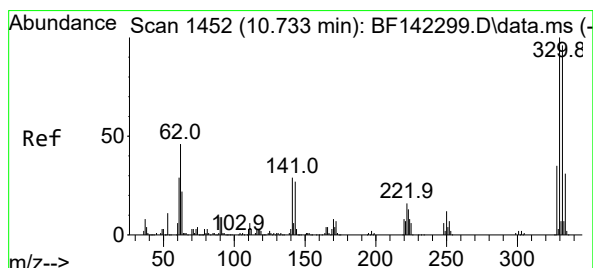
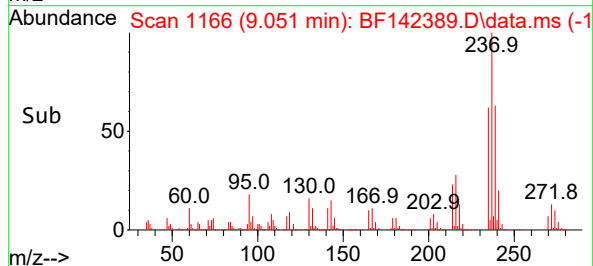
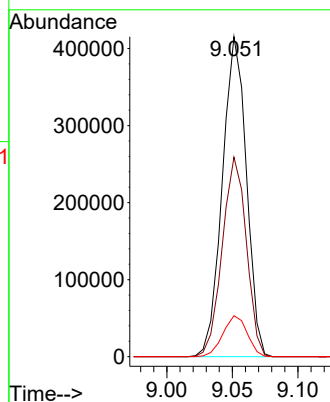
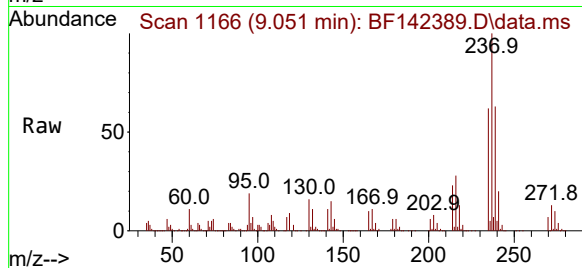
Tgt Ion:237 Resp: 529316

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

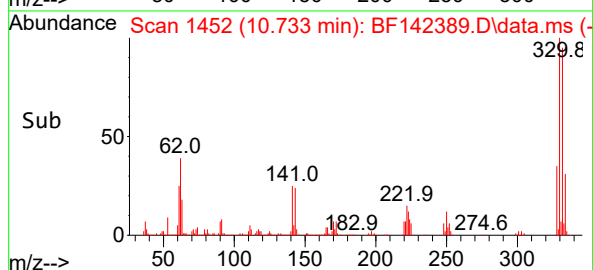
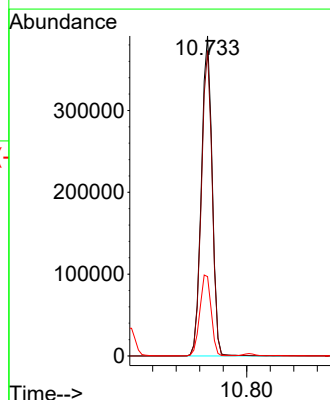
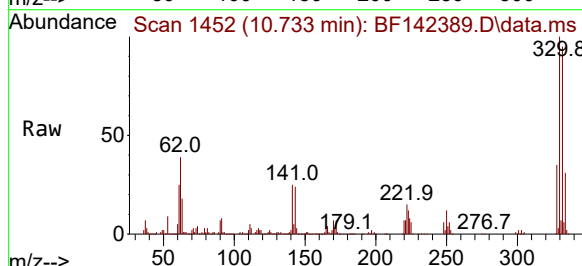
Tgt Ion:330 Resp: 496952

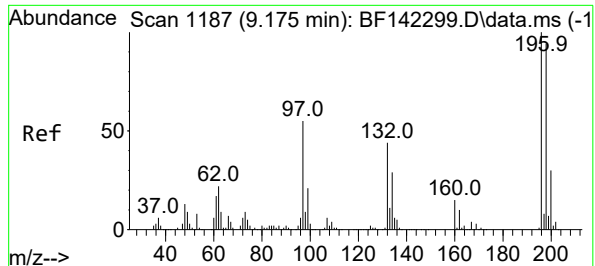
Ion Ratio Lower Upper

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# 1186

Delta R.T. -0.006 min

Lab File: BF142389.D

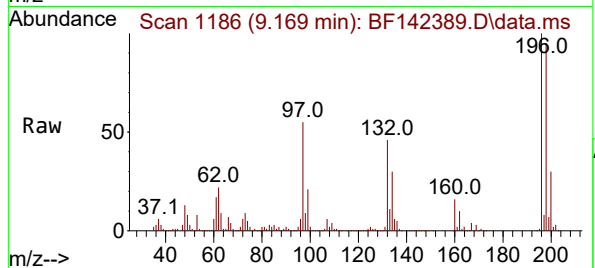
Acq: 15 May 2025 12:47

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MSD



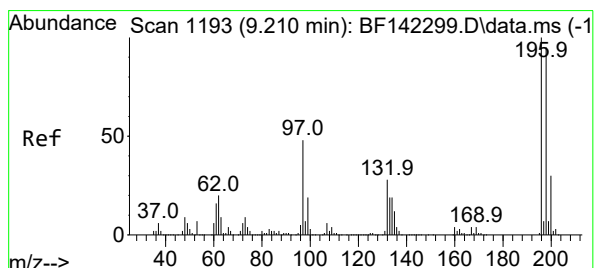
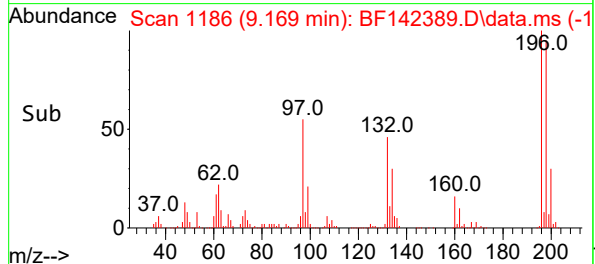
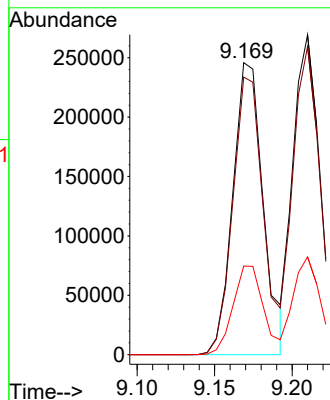
Tgt Ion:196 Resp: 334881

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

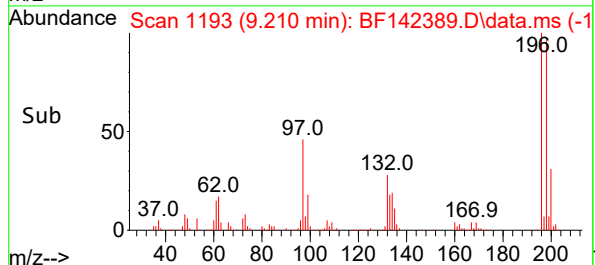
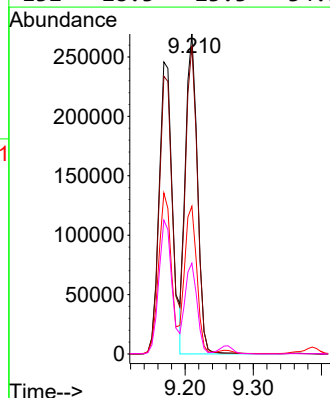
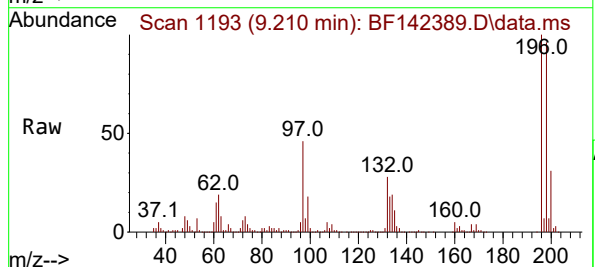
Ion Ratio Lower Upper

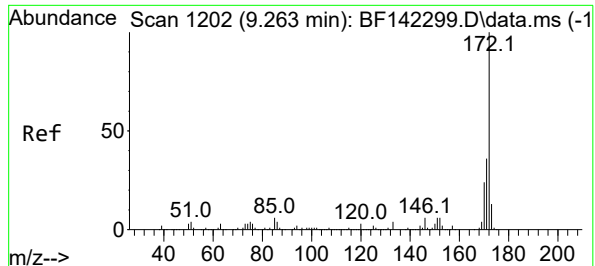
196 100

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# 1202

Delta R.T. -0.000 min

Lab File: BF142389.D

Acq: 15 May 2025 12:47

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MSD

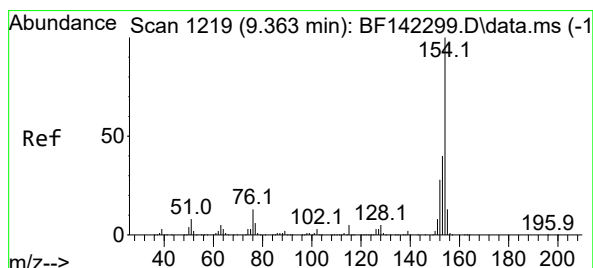
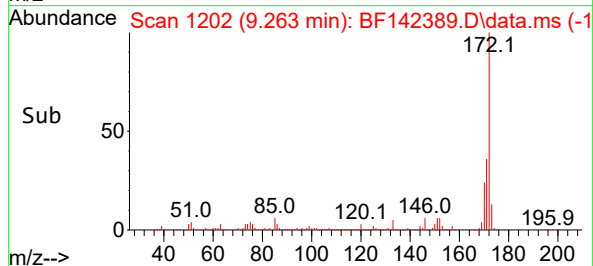
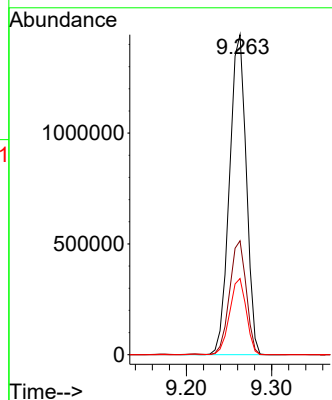
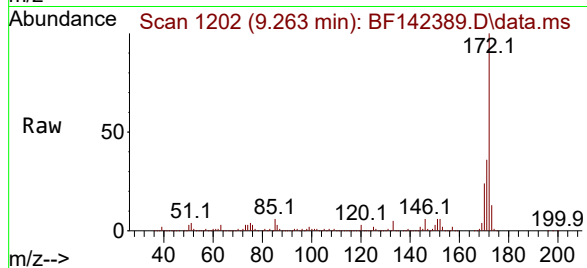
Tgt Ion:172 Resp: 1972111

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

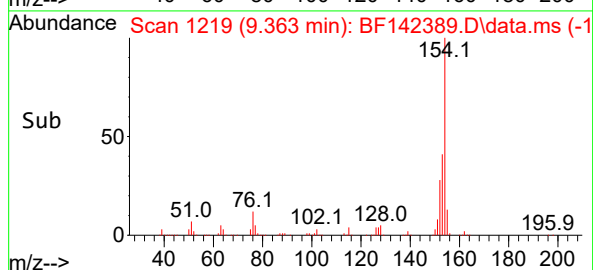
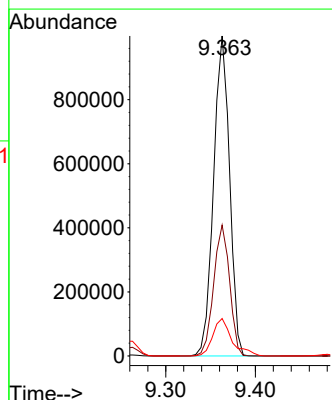
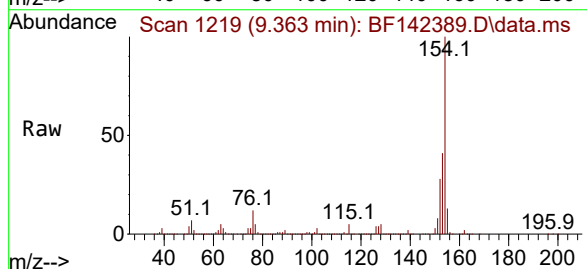
Tgt Ion:154 Resp: 1234418

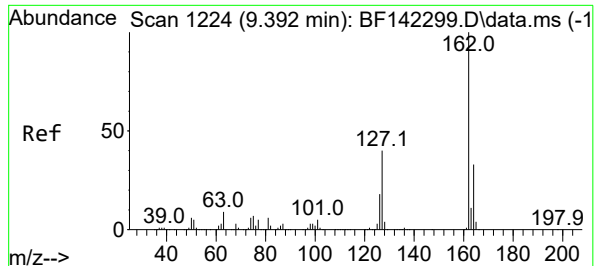
Ion Ratio Lower Upper

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# 1224

Delta R.T. -0.006 min

Lab File: BF142389.D

Acq: 15 May 2025 12:47

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MSD

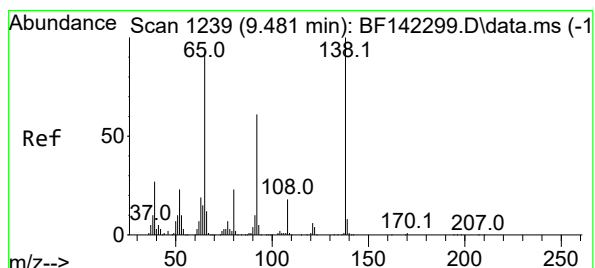
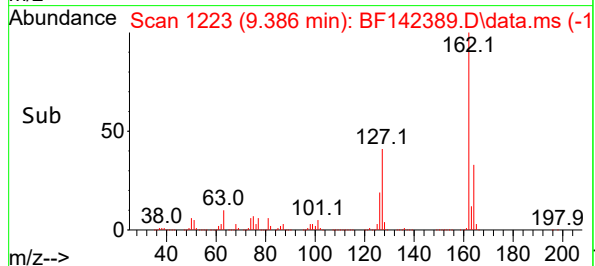
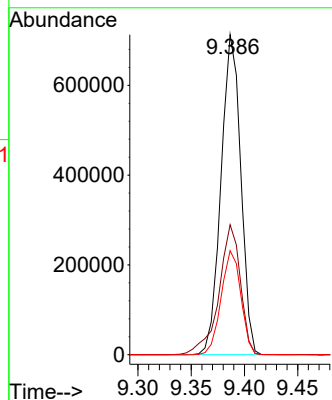
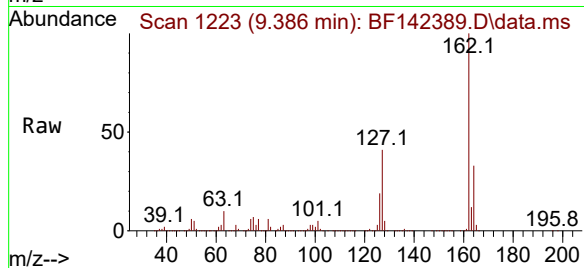
Tgt Ion:162 Resp: 917216

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

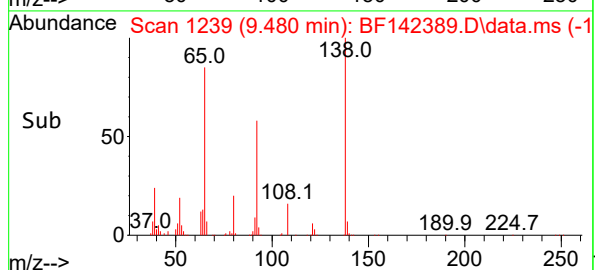
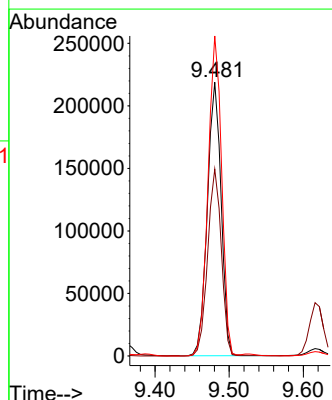
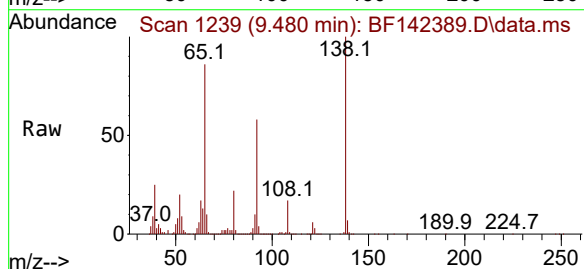
Tgt Ion: 65 Resp: 282636

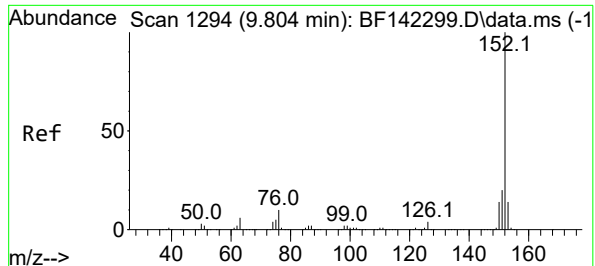
Ion Ratio Lower Upper

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# 11

Delta R.T. -0.000 min

Lab File: BF142389.D

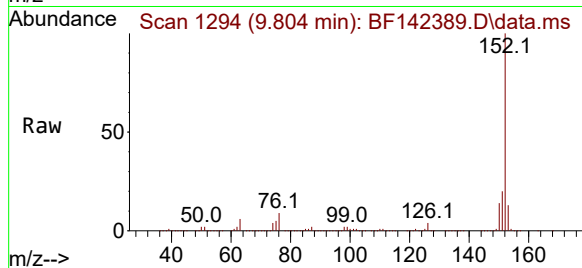
Acq: 15 May 2025 12:47

Instrument :

BNA_F

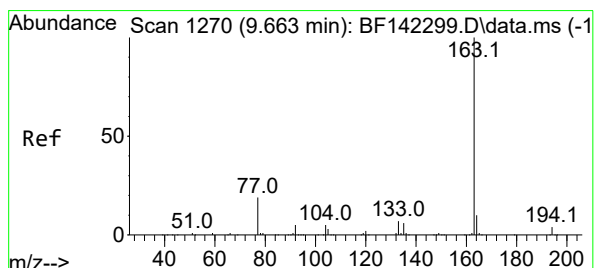
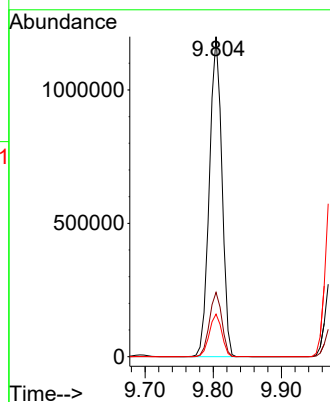
ClientSampleId :

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

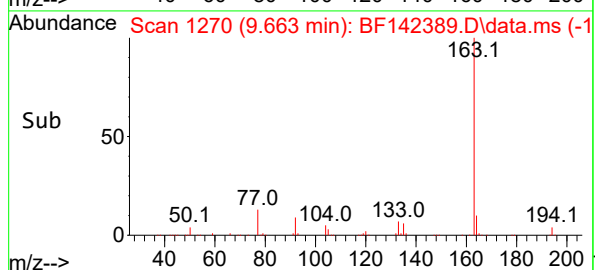
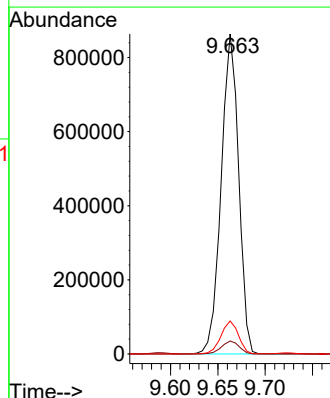
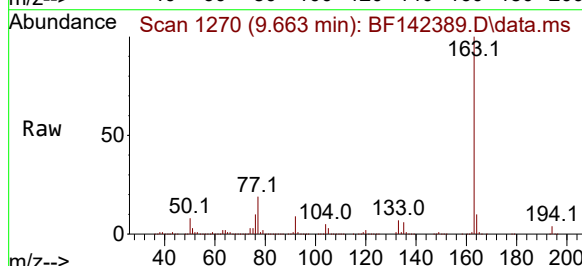
Delta R.T. -0.000 min

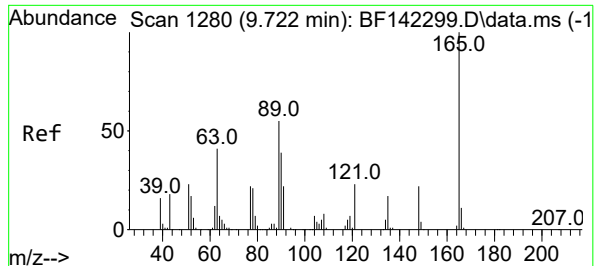
Lab File: BF142389.D

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# 11

Delta R.T. -0.000 min

Lab File: BF142389.D

Acq: 15 May 2025 12:47

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MSD

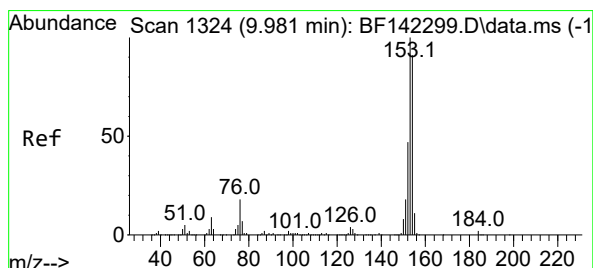
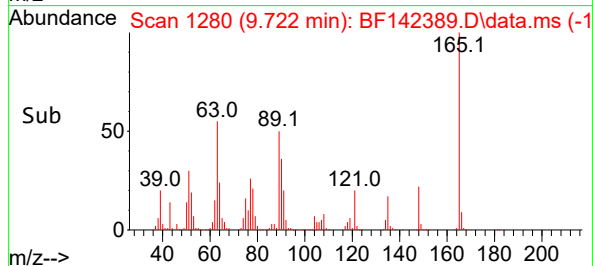
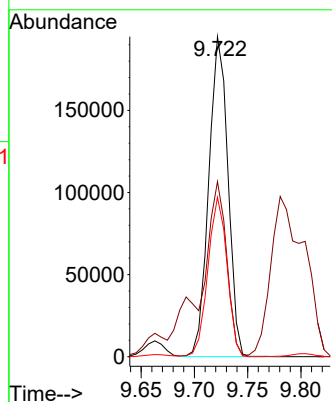
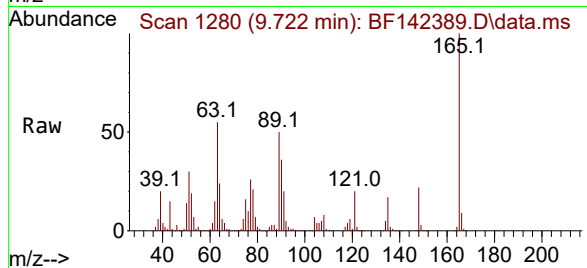
Tgt Ion:165 Resp: 244138

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

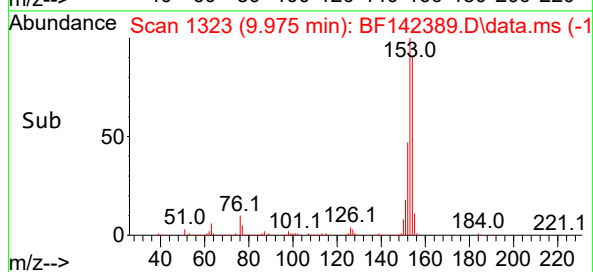
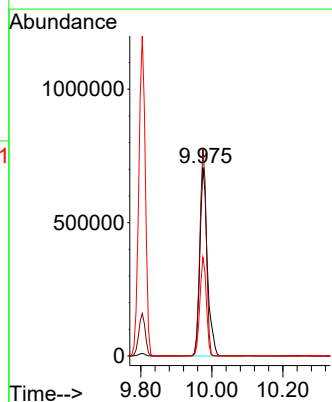
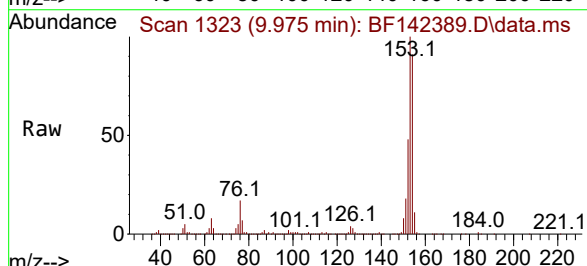
Tgt Ion:154 Resp: 1043039

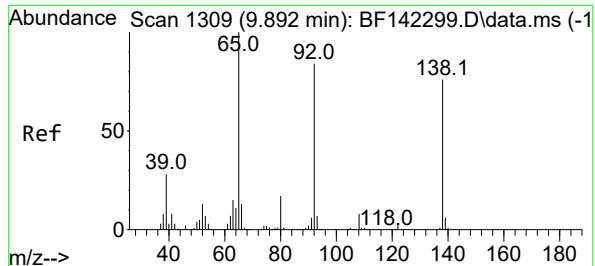
Ion Ratio Lower Upper

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# 11

Delta R.T. -0.006 min

Lab File: BF142389.D

Acq: 15 May 2025 12:47

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MSD

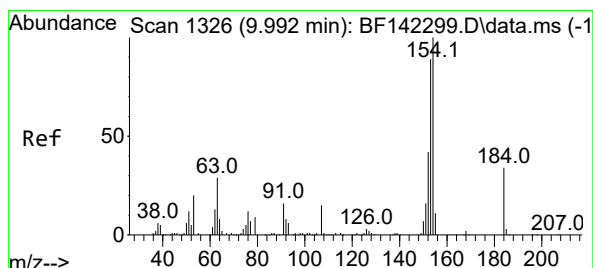
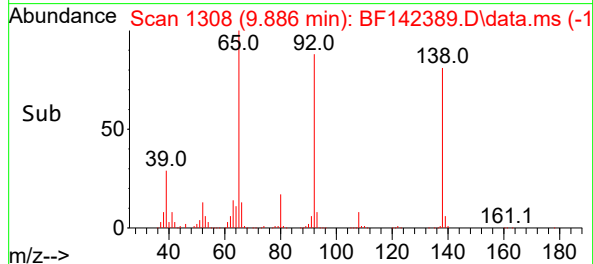
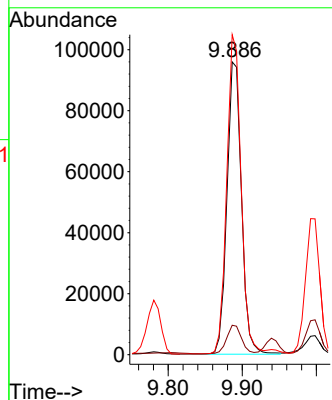
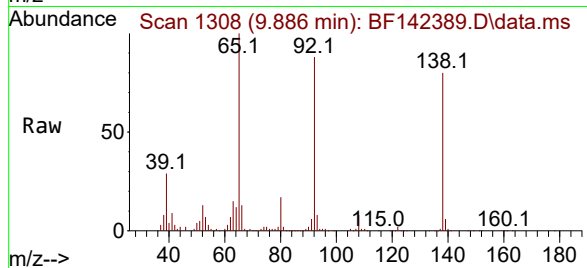
Tgt Ion:138 Resp: 130415

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

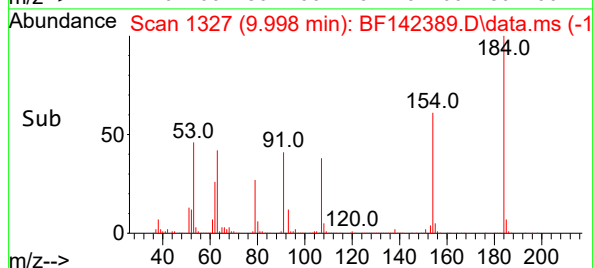
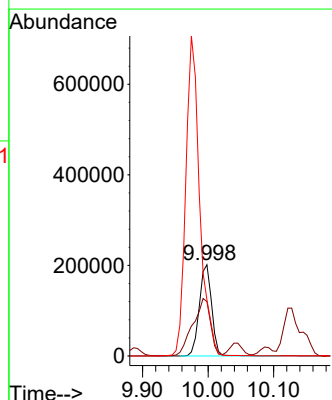
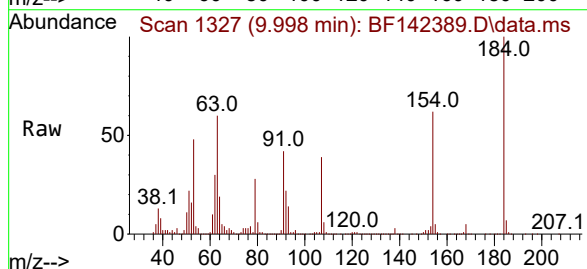
Tgt Ion:184 Resp: 265247

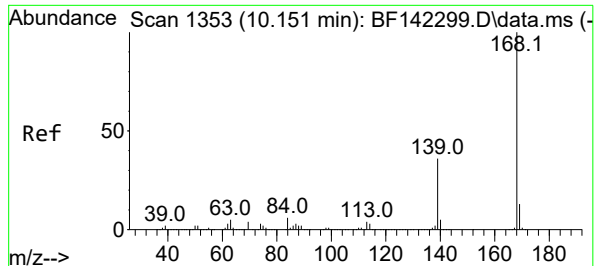
Ion Ratio Lower Upper

184 100

63 59.7 70.6 105.8#

154 61.7 257.2 385.8#





#55

Dibenzenofuran

Concen: 44.704 ng

RT: 10.145 min Scan# 1352

Delta R.T. -0.006 min

Lab File: BF142389.D

Acq: 15 May 2025 12:47

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MSD

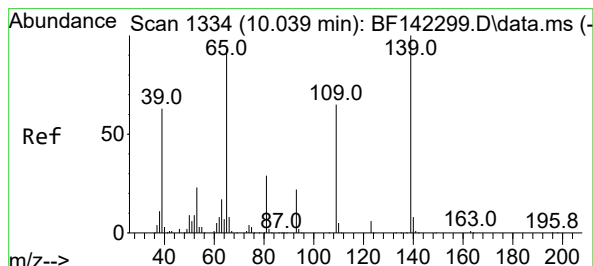
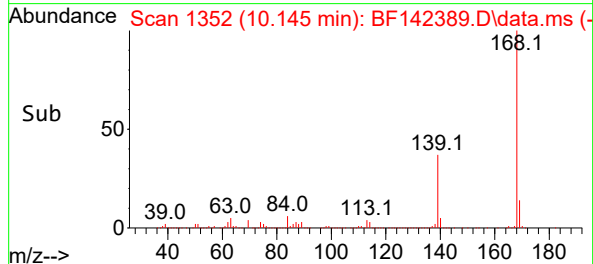
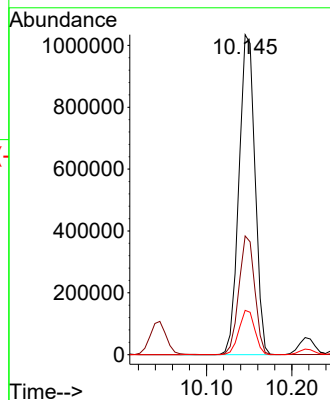
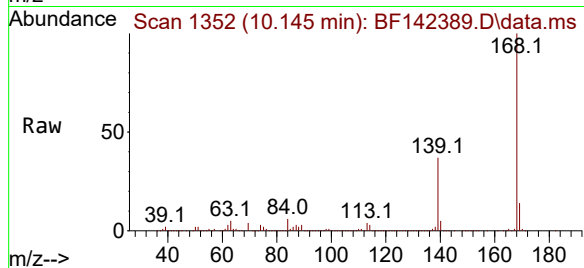
Tgt Ion:168 Resp: 1352552

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

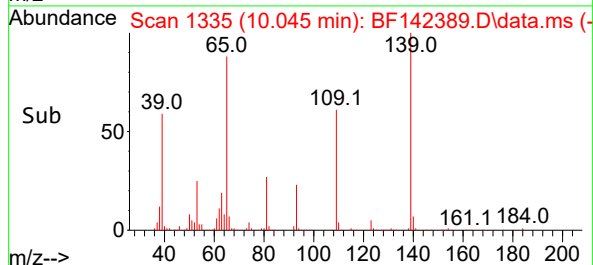
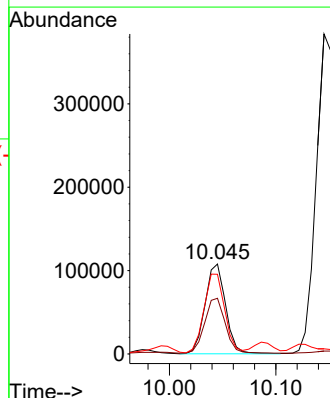
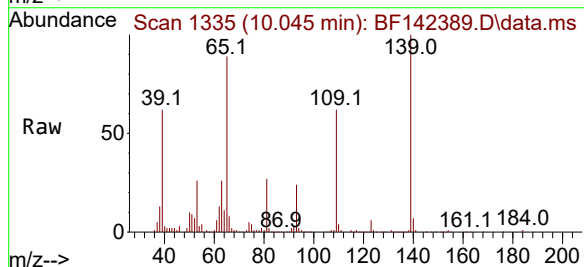
Tgt Ion:139 Resp: 143679

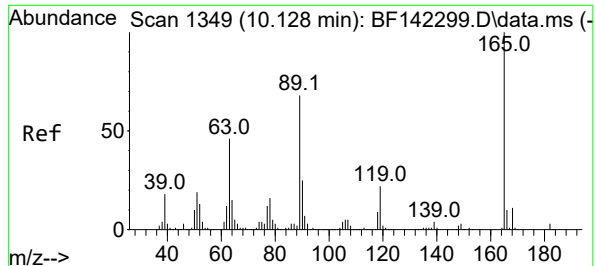
Ion Ratio Lower Upper

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# 1349

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

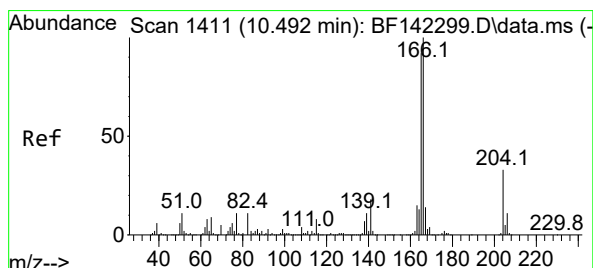
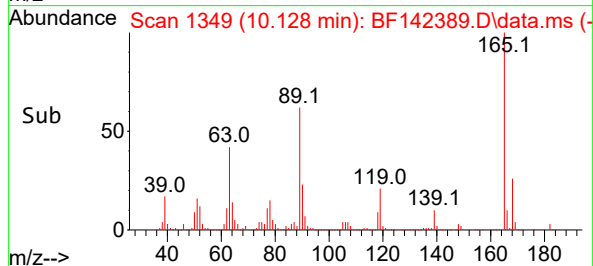
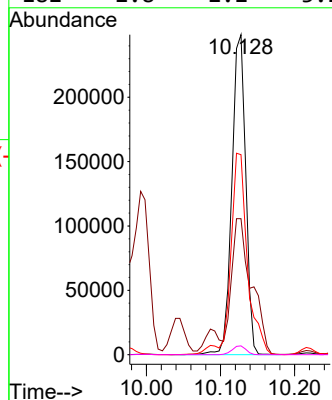
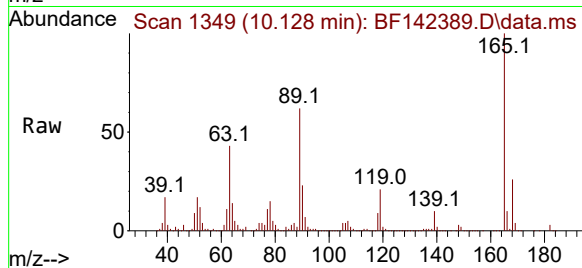
Ion Ratio Lower Upper

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

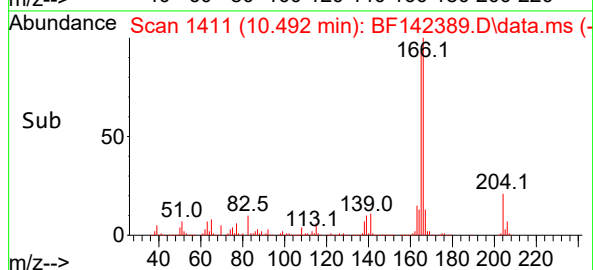
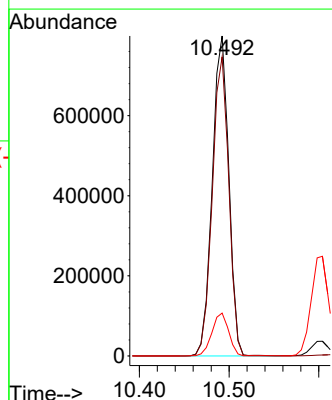
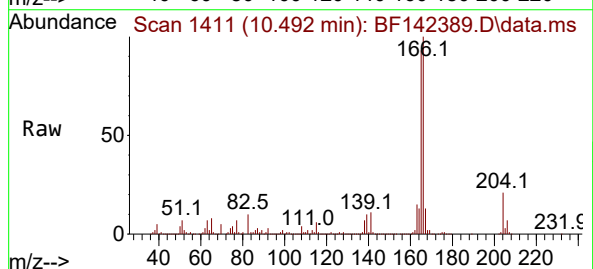
Tgt Ion:166 Resp: 1019788

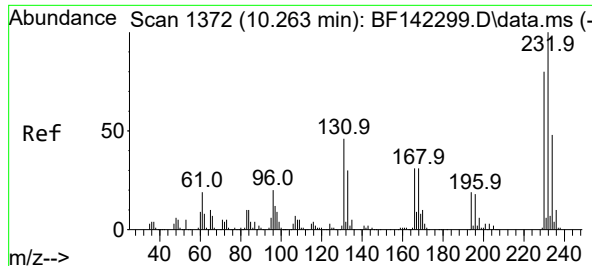
Ion Ratio Lower Upper

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# 1372

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

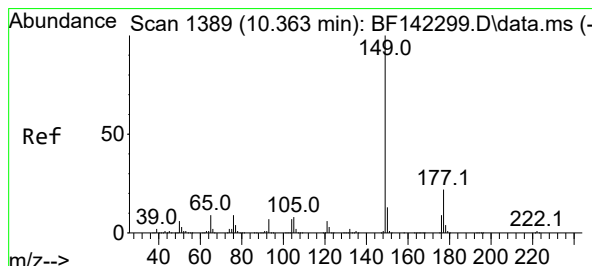
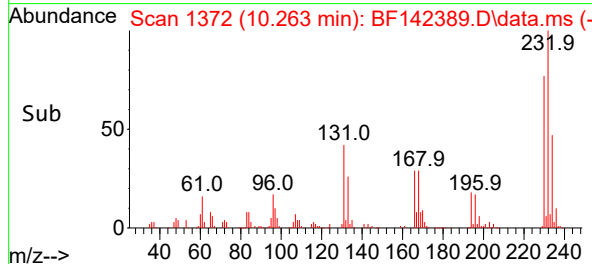
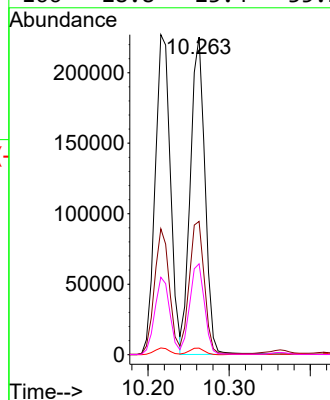
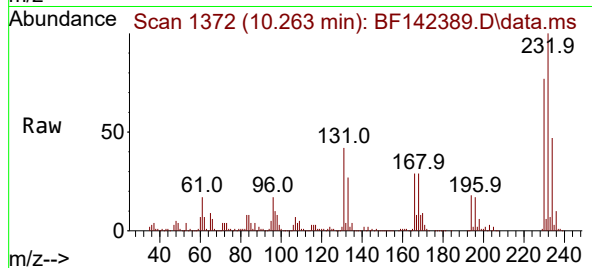
Ion Ratio Lower Upper

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

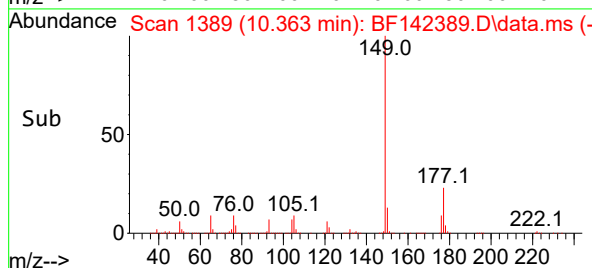
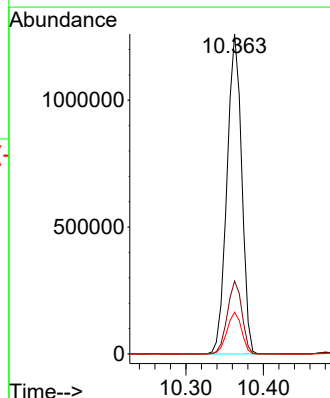
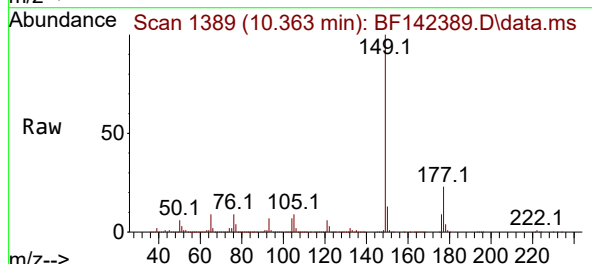
Tgt Ion:149 Resp: 1662268

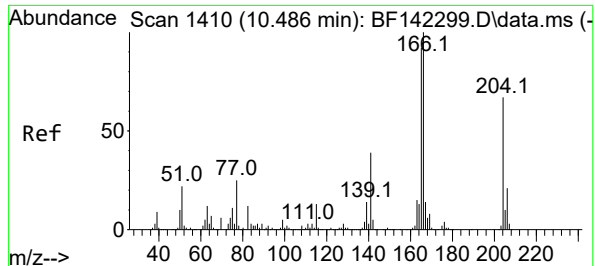
Ion Ratio Lower Upper

149 100

177 22.8 17.6 26.4

150 13.1 10.1 15.1

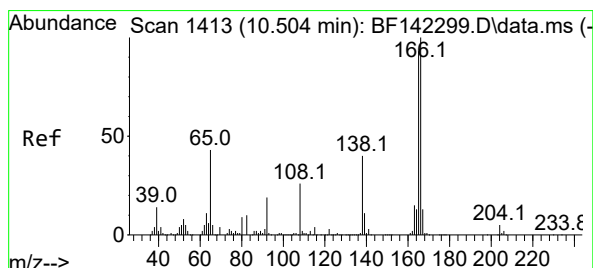
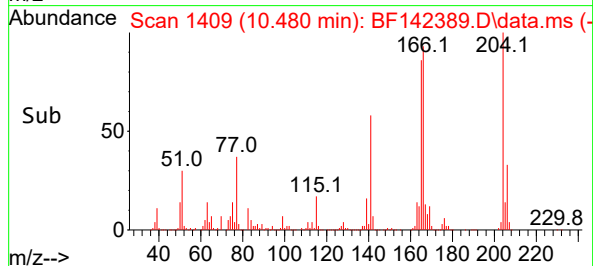
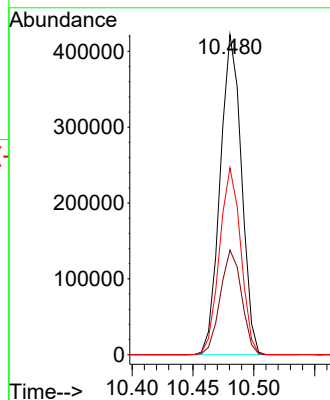
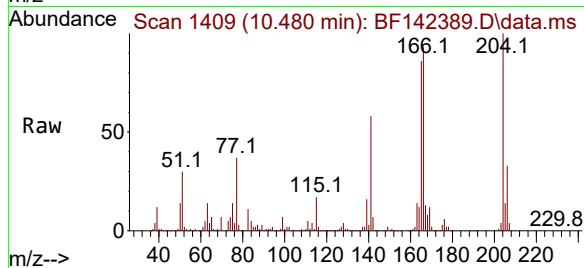




#61
4-Chlorophenyl-phenylether
Concen: 46.190 ng
RT: 10.480 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

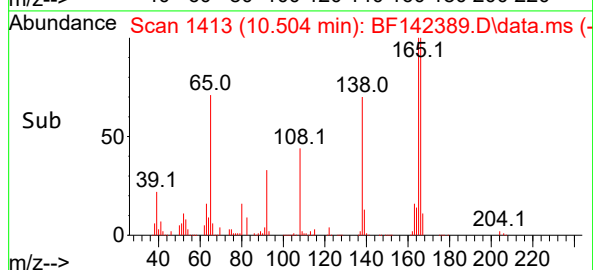
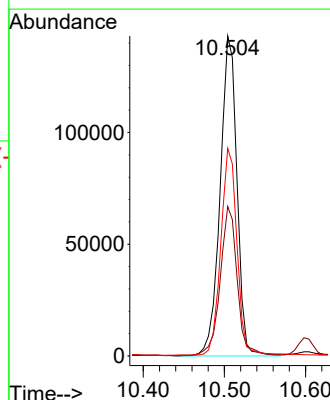
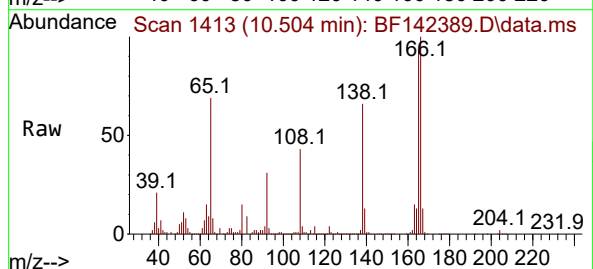
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

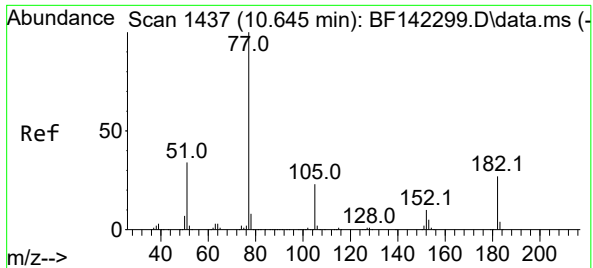
Tgt Ion:204 Resp: 514546
Ion Ratio Lower Upper
204 100
206 32.6 25.5 38.3
141 58.4 46.4 69.6



#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

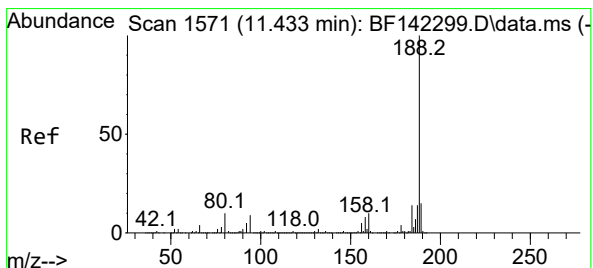
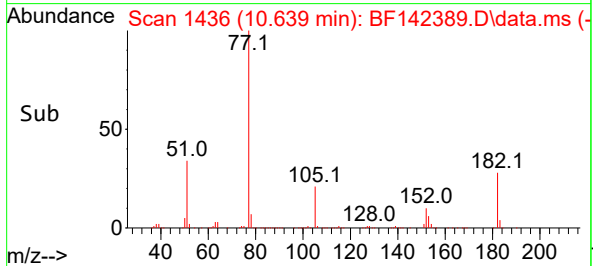
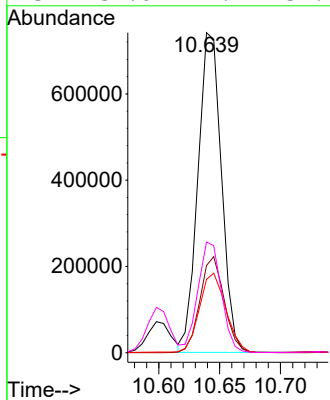
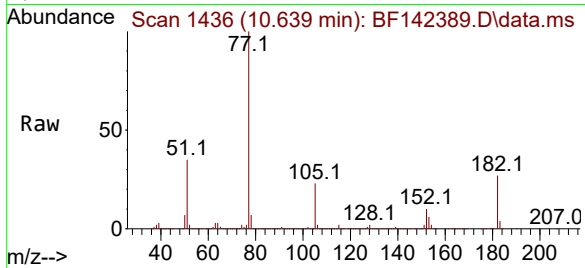




#63
Azobenzene
Concen: 45.468 ng
RT: 10.639 min Scan# 1436
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

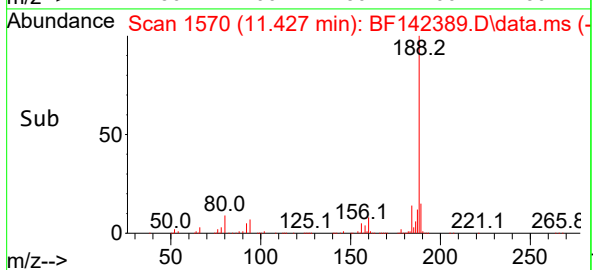
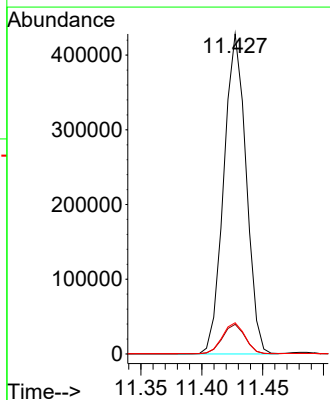
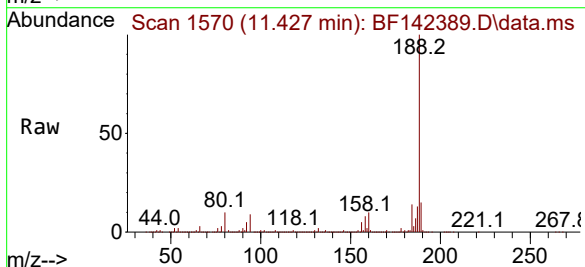
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

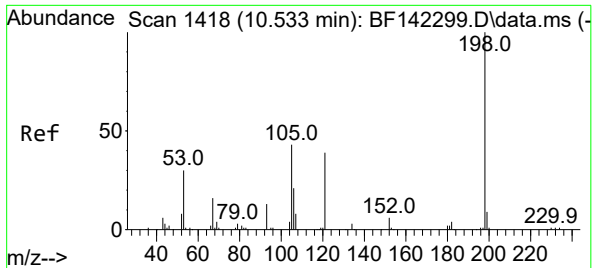
Tgt Ion:	77	Resp:	995905
Ion	Ratio	Lower	Upper
77	100		
182	27.3	6.9	46.9
105	22.9	2.7	42.7
51	34.6	14.7	54.7



#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

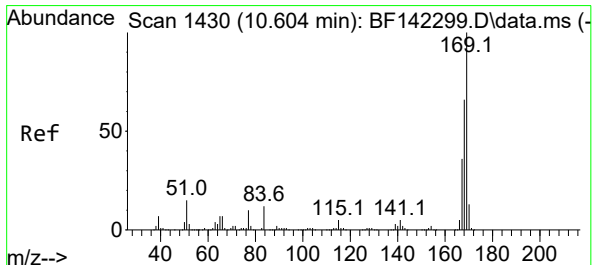
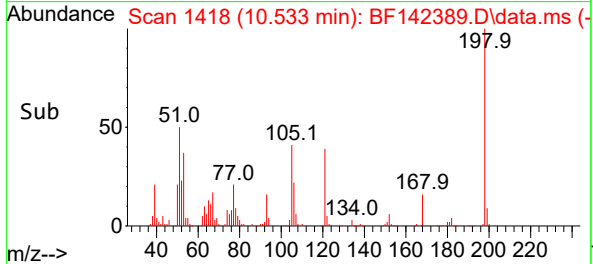
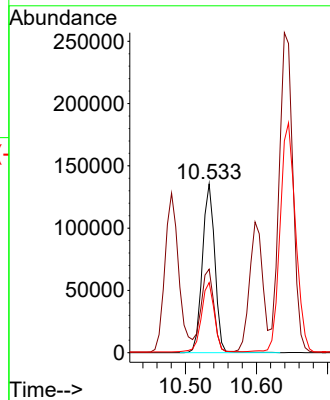
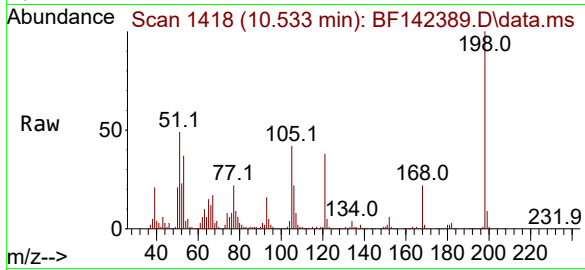




#65
4,6-Dinitro-2-methylphenol
Concen: 62.409 ng
RT: 10.533 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

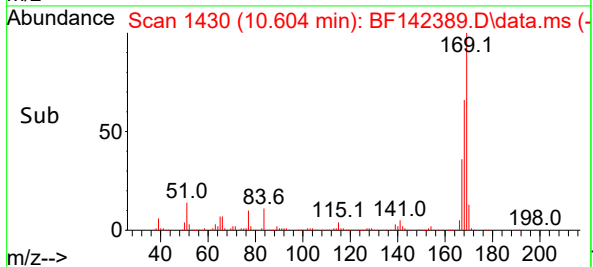
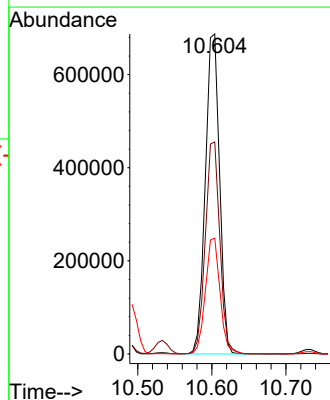
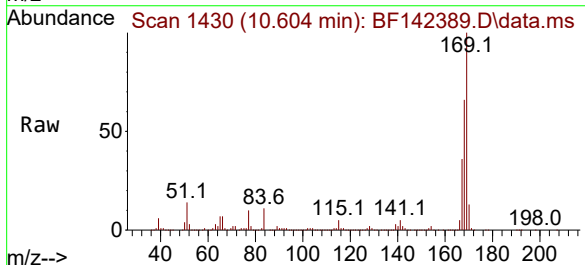
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

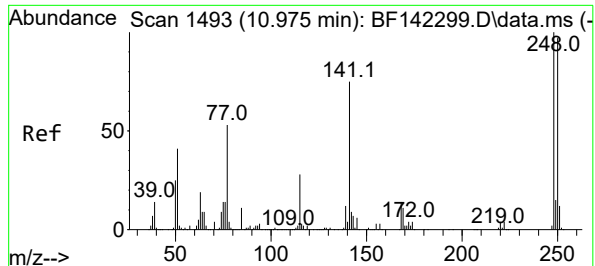
Tgt Ion:198 Resp: 165536
Ion Ratio Lower Upper
198 100
51 49.5 32.9 72.9
105 41.5 23.7 63.7



#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

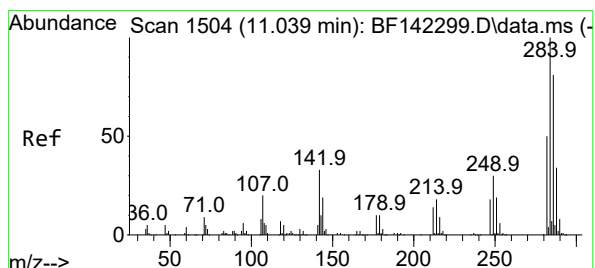
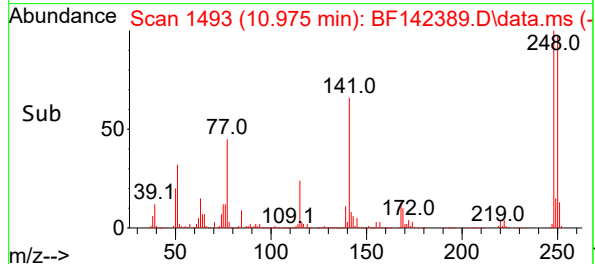
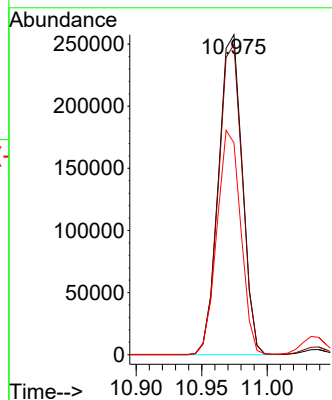
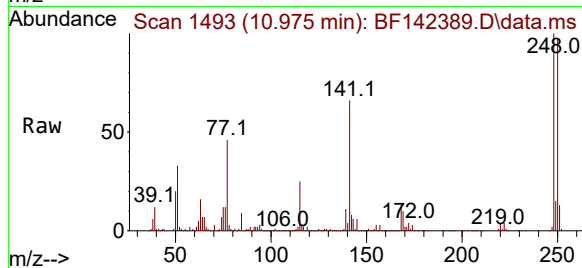




#67
4-Bromophenyl-phenylether
Concen: 52.554 ng
RT: 10.975 min Scan# 1493
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

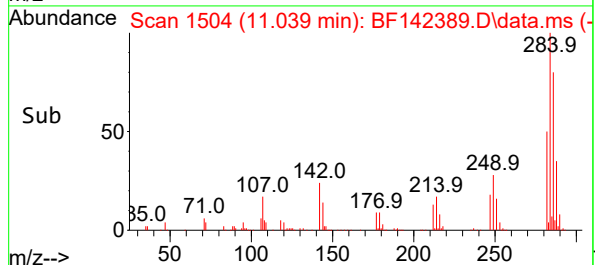
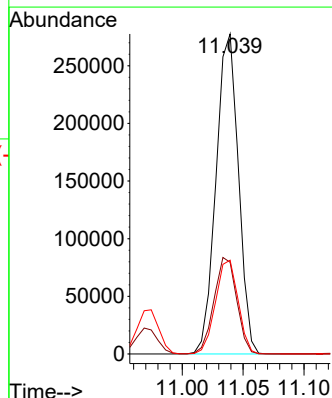
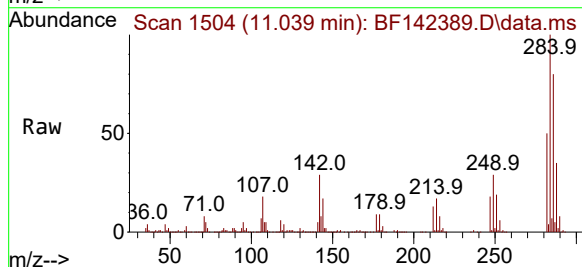
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

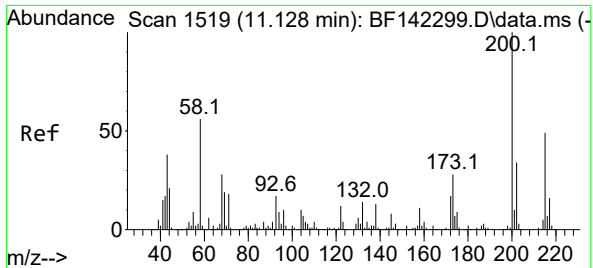
Tgt Ion:248 Resp: 325670
Ion Ratio Lower Upper
248 100
250 97.0 77.9 116.9
141 66.2 59.8 89.8



#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# 1519

Delta R.T. -0.000 min

Lab File: BF142389.D

Acq: 15 May 2025 12:47

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MSD

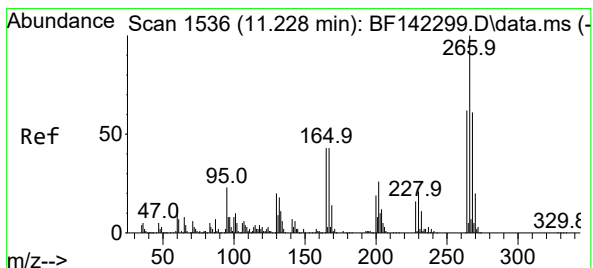
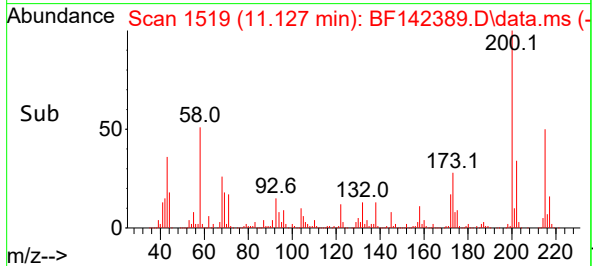
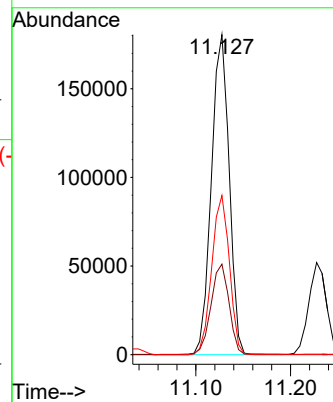
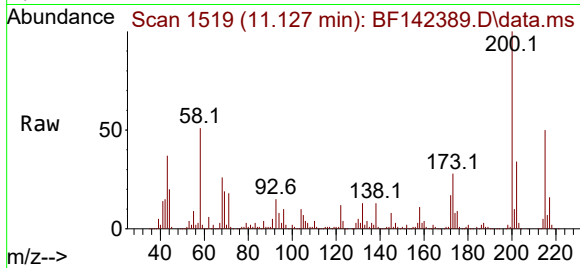
Tgt Ion:200 Resp: 235144

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

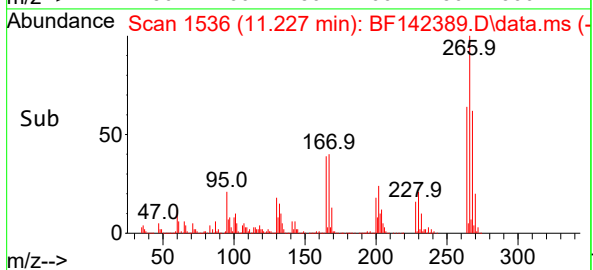
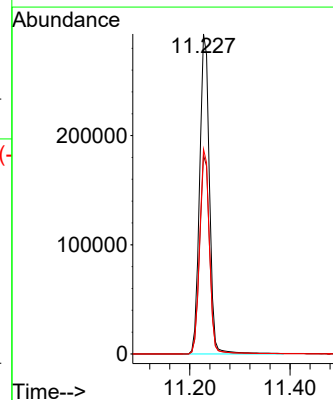
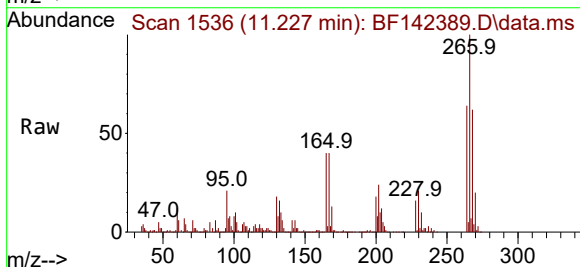
Tgt Ion:266 Resp: 397210

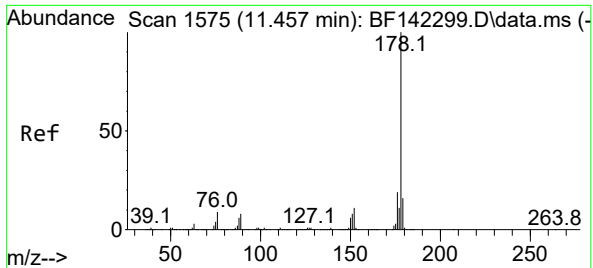
Ion Ratio Lower Upper

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# 1574

Delta R.T. -0.006 min

Lab File: BF142389.D

Acq: 15 May 2025 12:47

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MSD

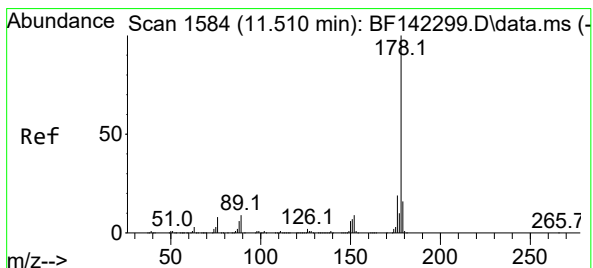
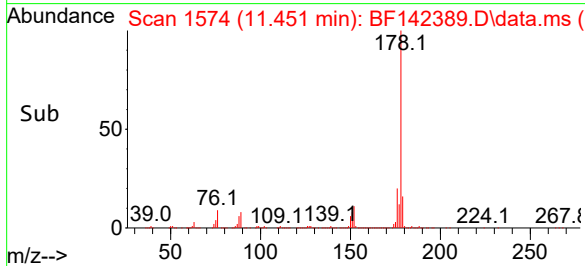
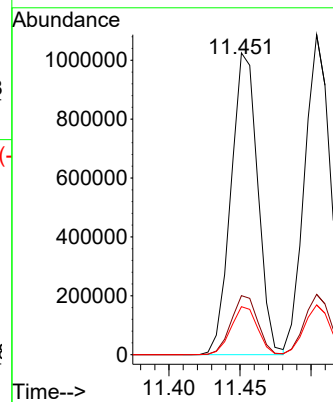
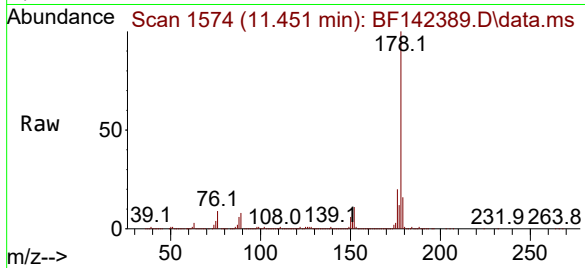
Tgt Ion:178 Resp: 1344429

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

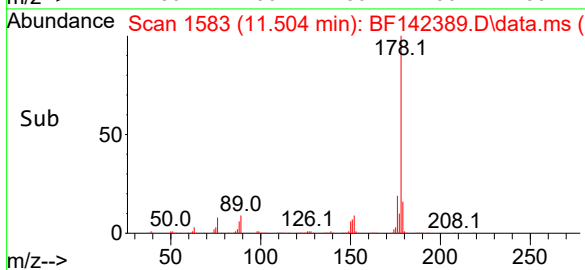
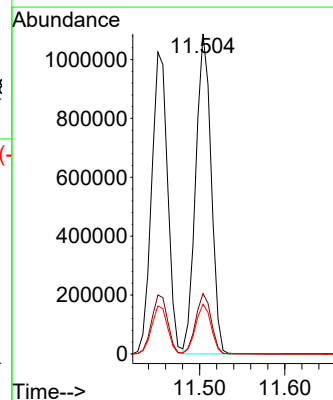
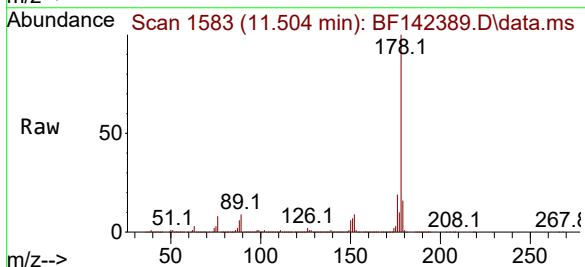
Tgt Ion:178 Resp: 1366126

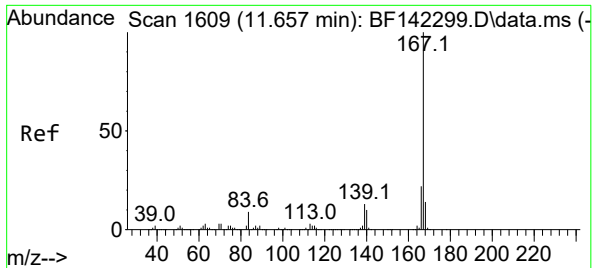
Ion Ratio Lower Upper

178 100

176 18.9 15.3 22.9

179 15.6 12.6 18.8

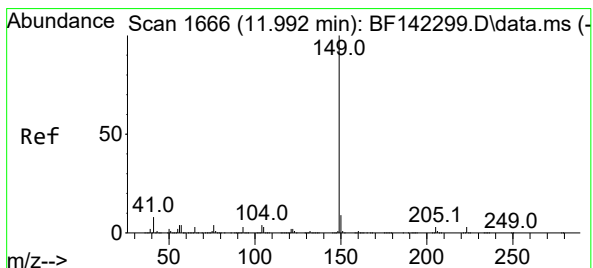
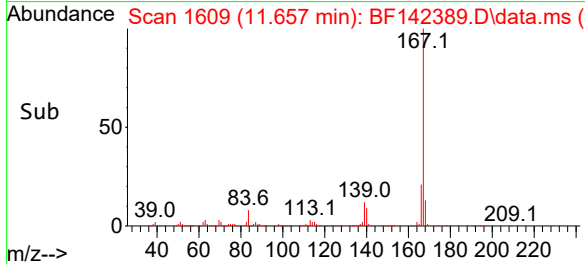
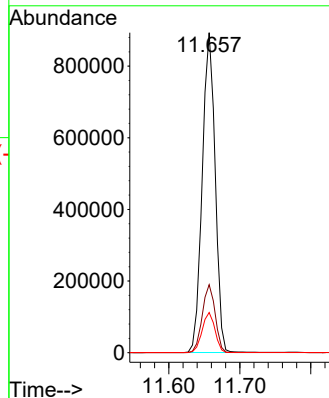
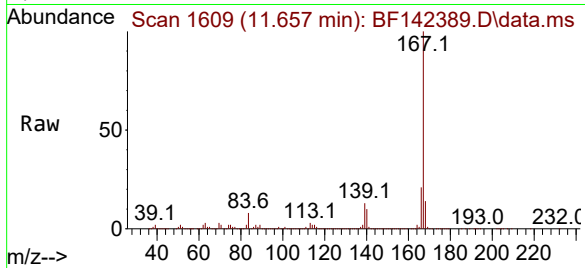




#73
Carbazole
Concen: 42.901 ng
RT: 11.657 min Scan# 1609
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

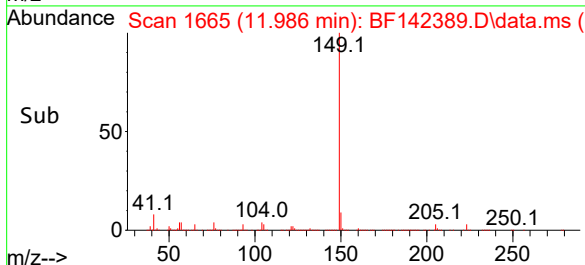
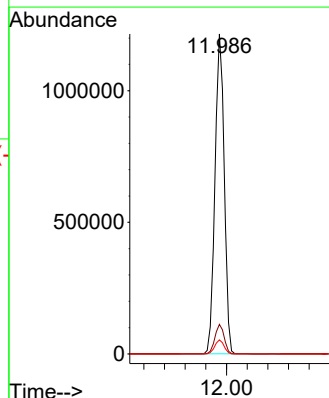
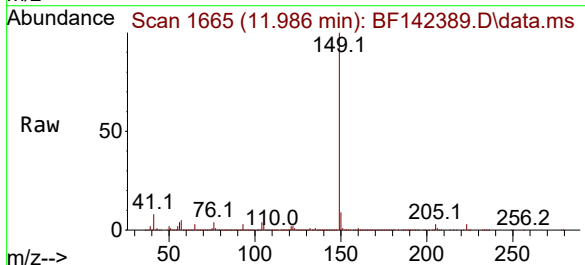
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

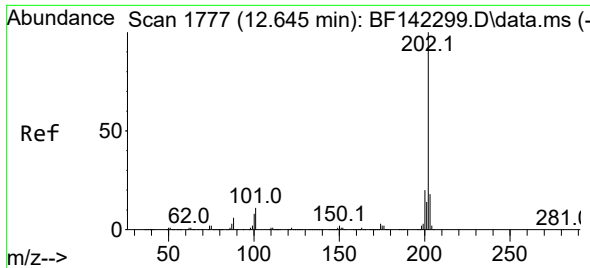
Tgt Ion:167 Resp: 1133485
Ion Ratio Lower Upper
167 100
166 21.3 17.2 25.8
139 12.5 10.3 15.5



#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

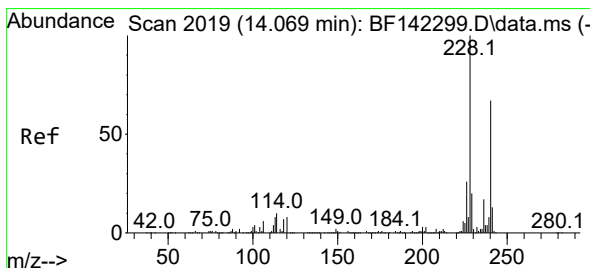
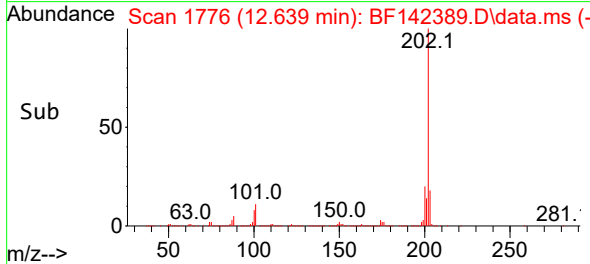
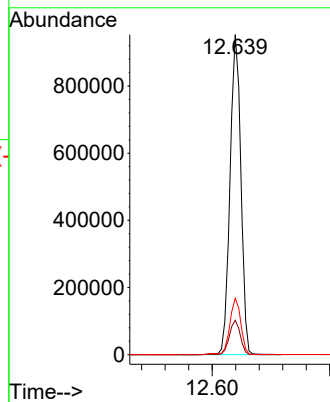
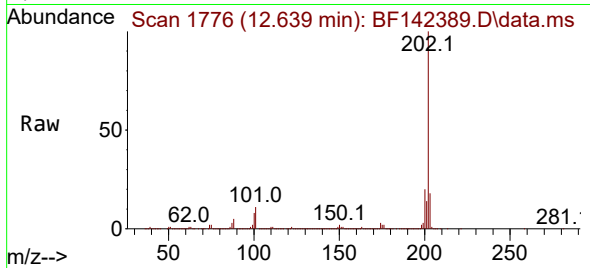




#75
Fluoranthene
Concen: 42.560 ng
RT: 12.639 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

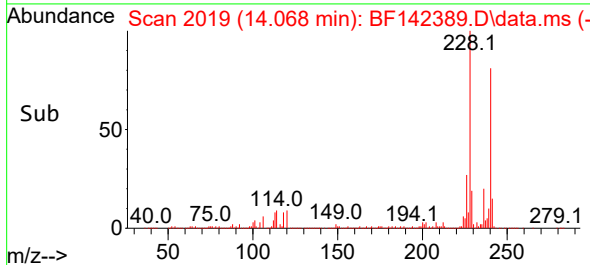
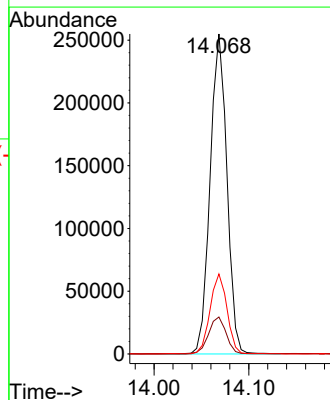
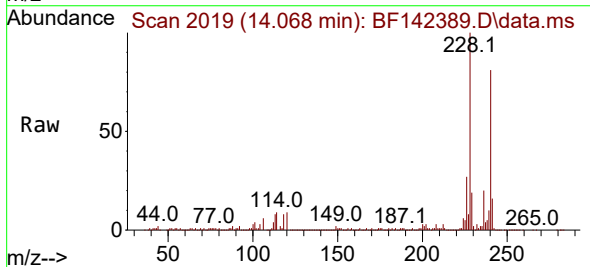
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

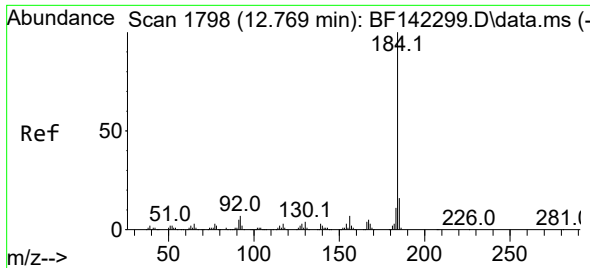
Tgt Ion:202 Resp: 1219362
Ion Ratio Lower Upper
202 100
101 10.7 0.0 31.4
203 17.6 0.0 37.9



#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# 11

Delta R.T. -0.006 min

Lab File: BF142389.D

Acq: 15 May 2025 12:47

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MSD

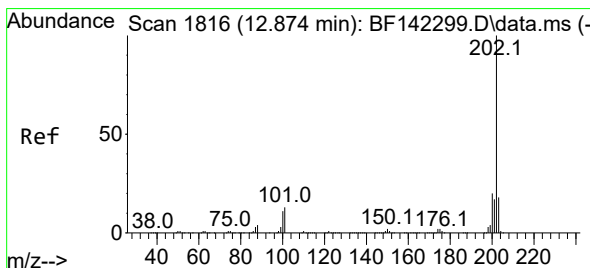
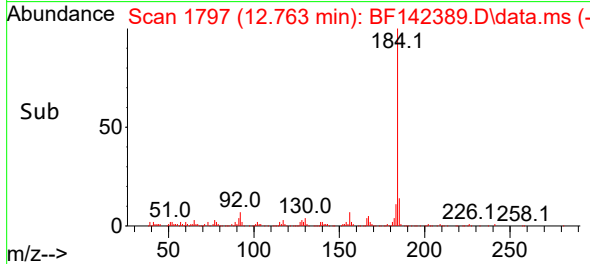
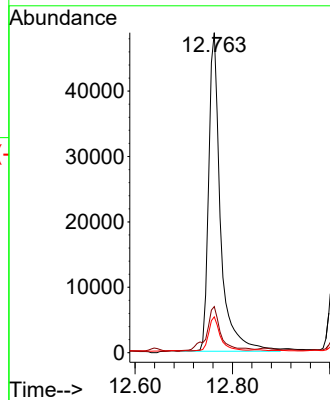
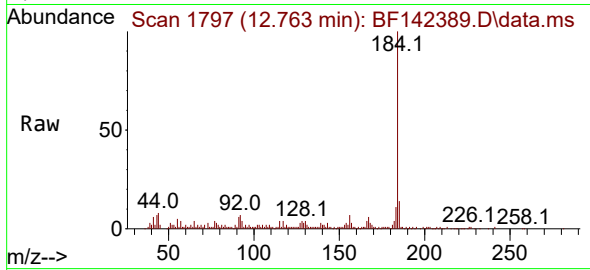
Tgt Ion:184 Resp: 82144

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

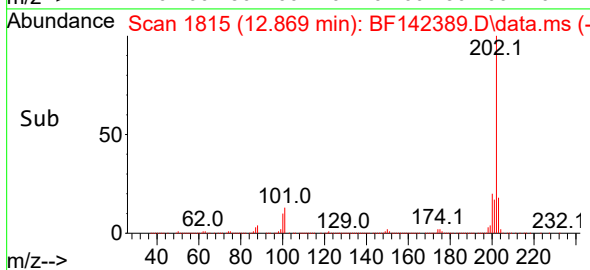
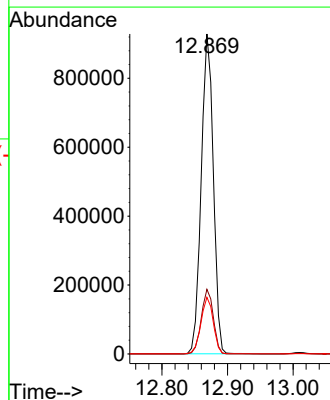
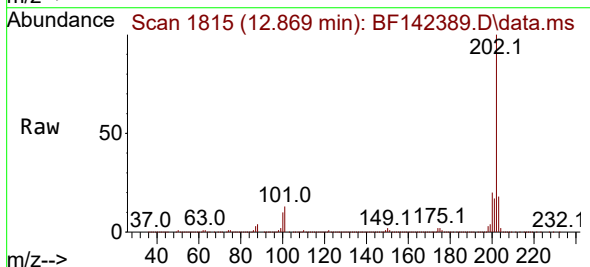
Tgt Ion:202 Resp: 1194024

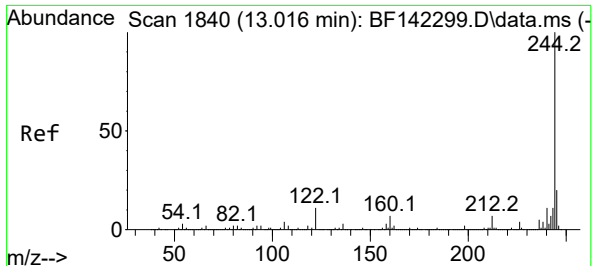
Ion Ratio Lower Upper

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# 11

Delta R.T. -0.006 min

Lab File: BF142389.D

Acq: 15 May 2025 12:47

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MSD

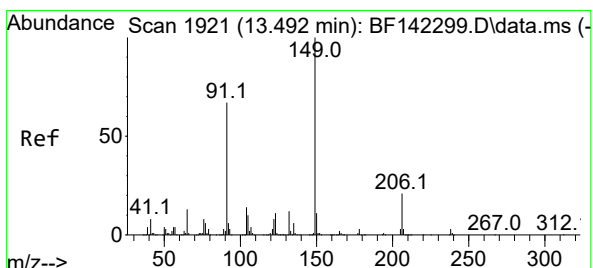
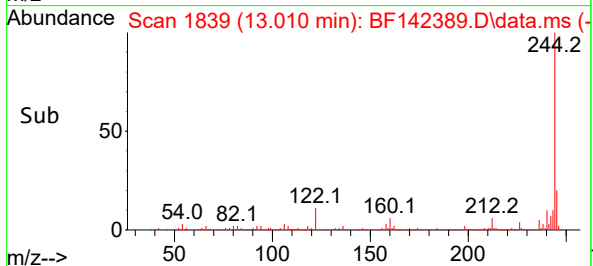
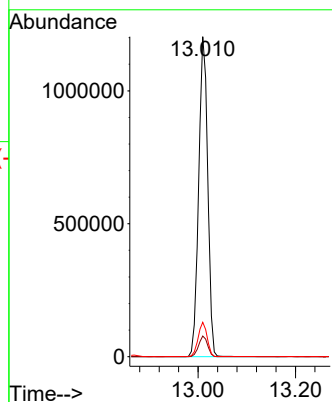
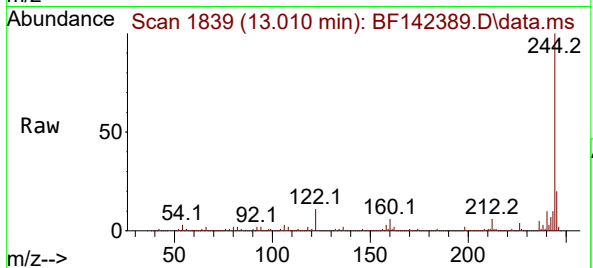
Tgt Ion:244 Resp: 1560715

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

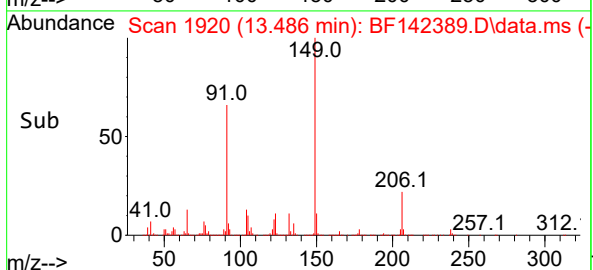
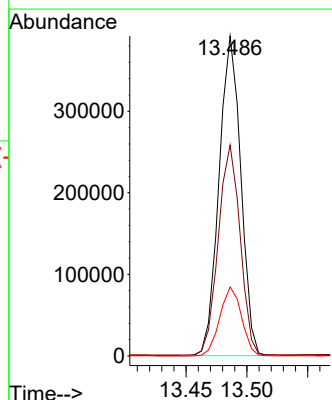
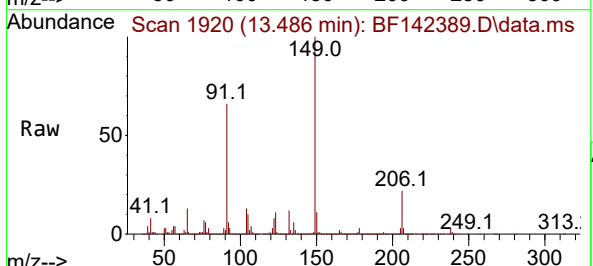
Tgt Ion:149 Resp: 487221

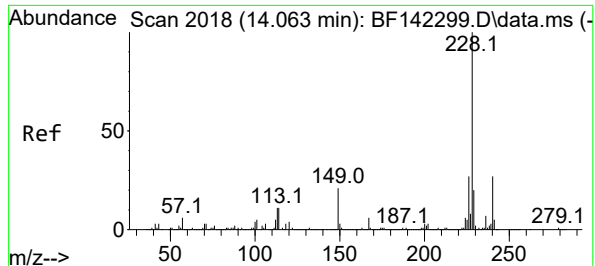
Ion Ratio Lower Upper

149 100

91 65.9 53.8 80.6

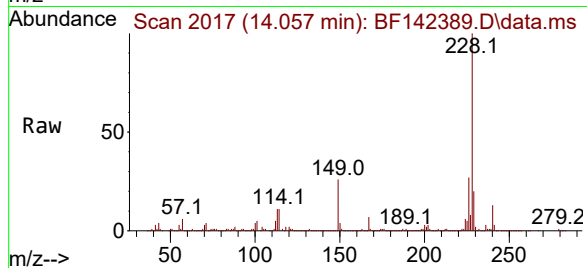
206 21.6 16.6 24.8



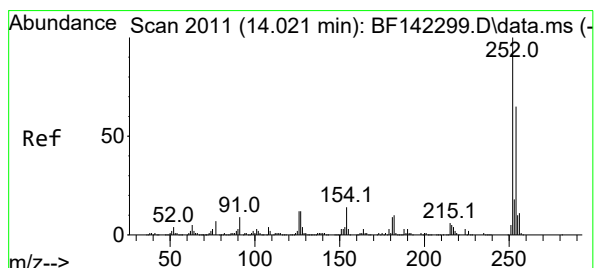
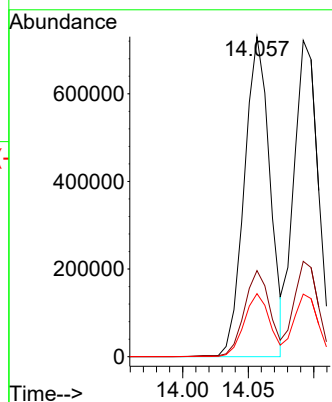
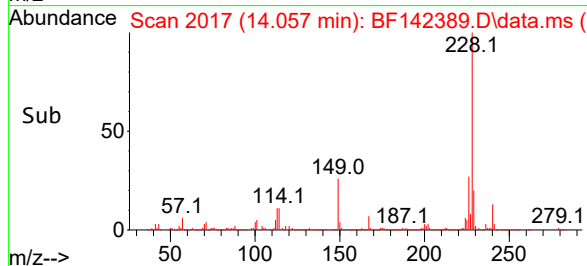


#81
Benzo(a)anthracene
Concen: 48.680 ng
RT: 14.057 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

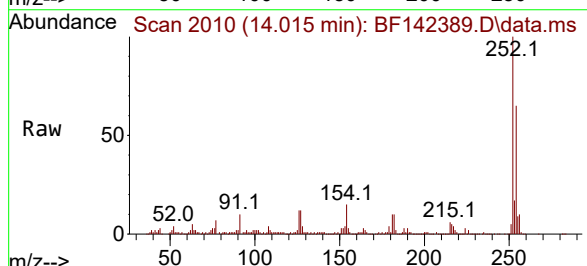
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD



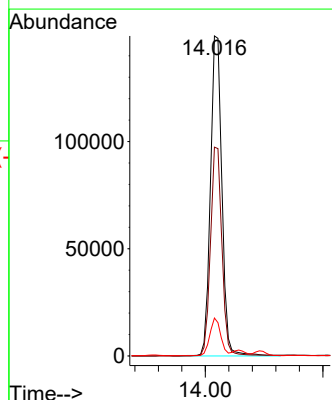
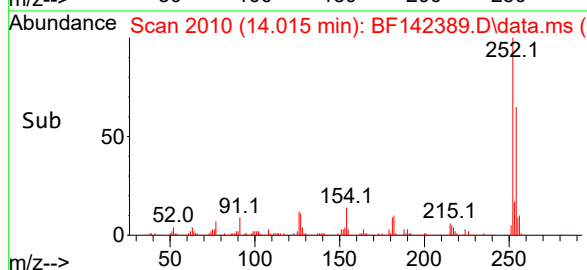
Tgt Ion:228 Resp: 990604
Ion Ratio Lower Upper
228 100
226 26.9 21.5 32.3
229 19.7 15.9 23.9

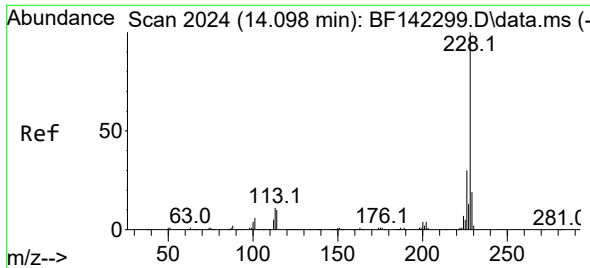


#82
3,3'-Dichlorobenzidine
Concen: 42.804 ng
RT: 14.015 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47



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# 20

Delta R.T. -0.006 min

Lab File: BF142389.D

Acq: 15 May 2025 12:47

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MSD

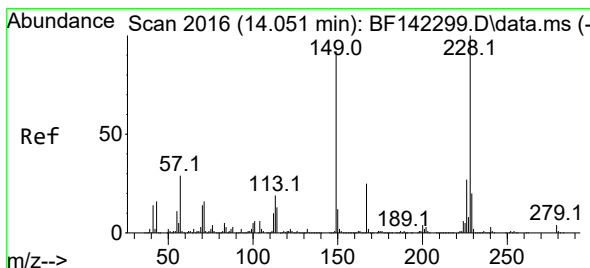
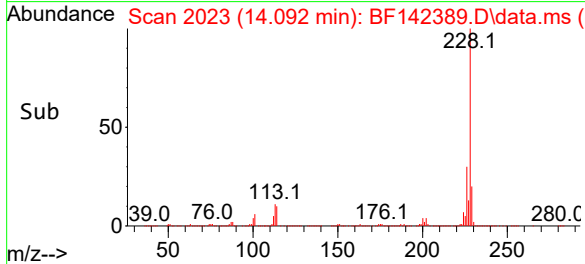
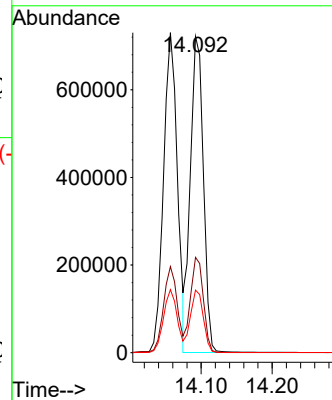
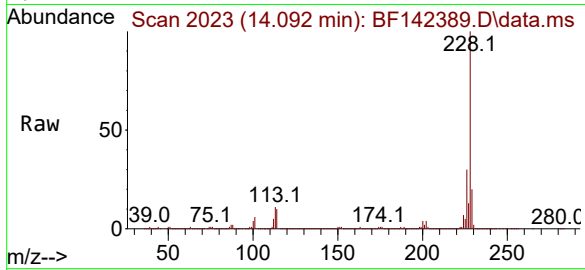
Tgt Ion:228 Resp: 918925

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

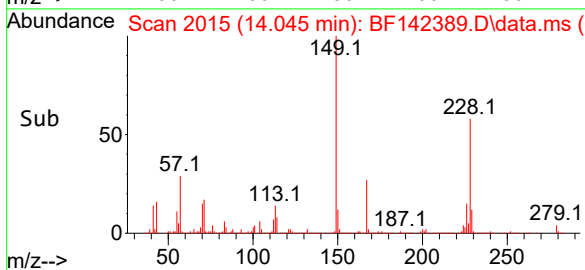
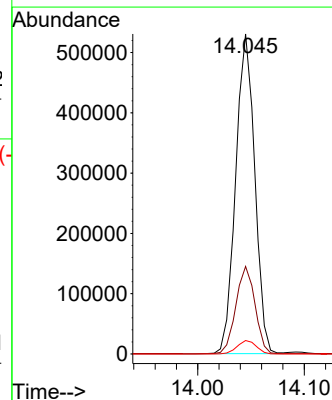
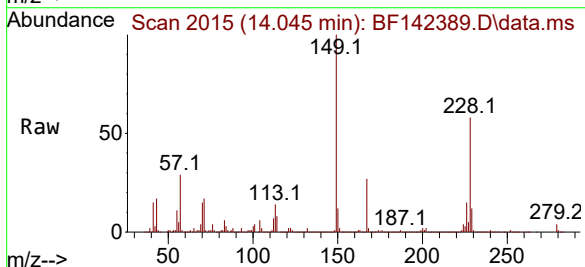
Tgt Ion:149 Resp: 661166

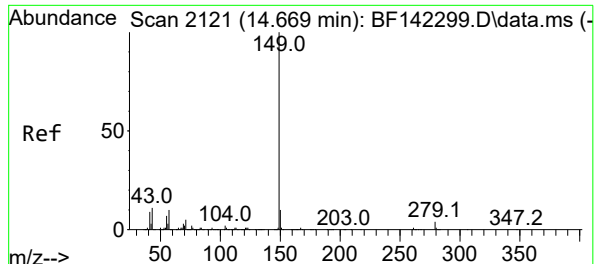
Ion Ratio Lower Upper

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# 2121

Delta R.T. -0.006 min

Lab File: BF142389.D

Acq: 15 May 2025 12:47

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MSD

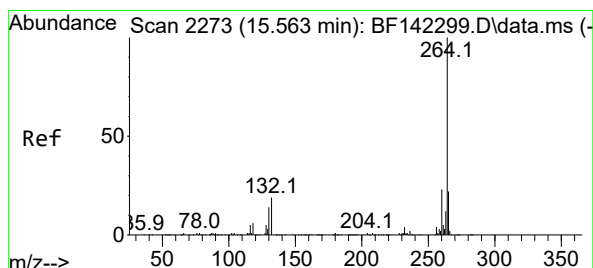
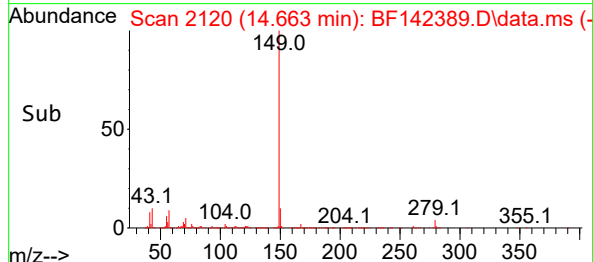
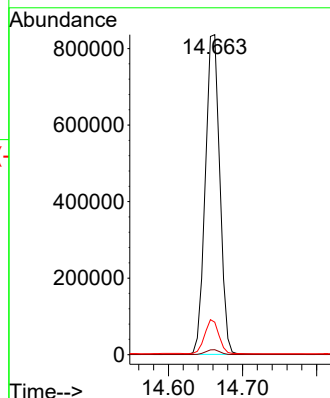
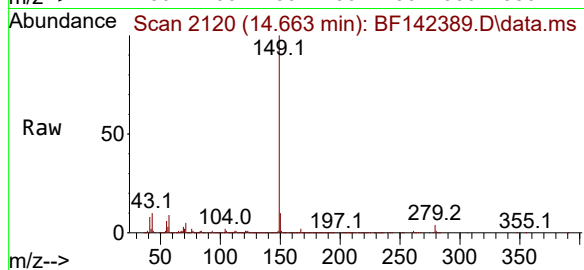
Tgt Ion:149 Resp: 1132929

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

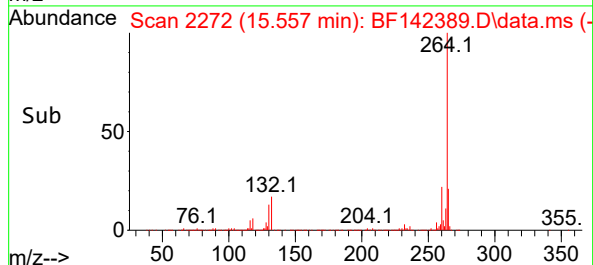
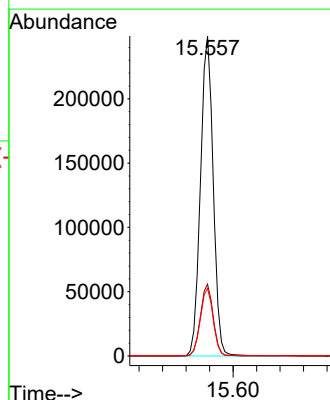
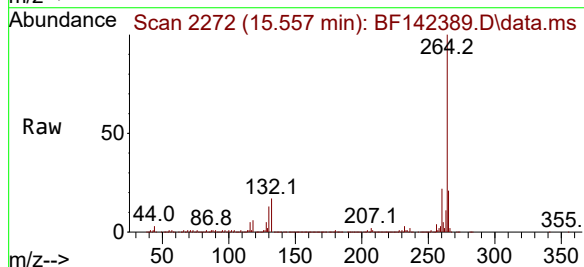
Tgt Ion:264 Resp: 374057

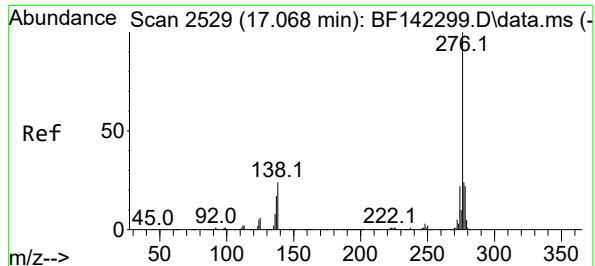
Ion Ratio Lower Upper

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# 21

Delta R.T. -0.006 min

Lab File: BF142389.D

Acq: 15 May 2025 12:47

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MSD

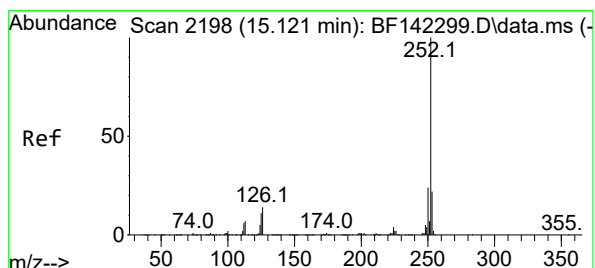
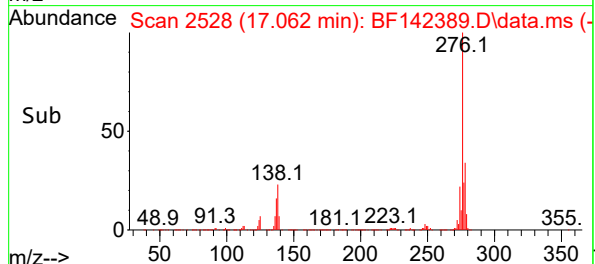
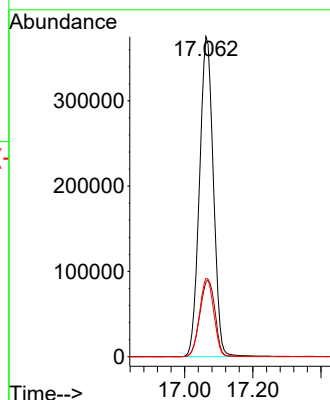
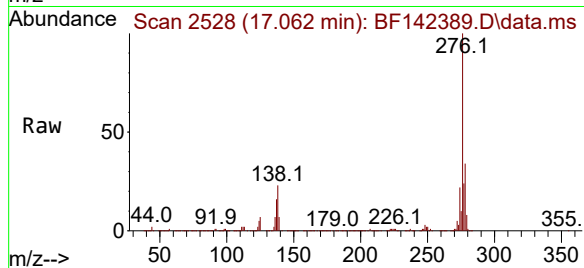
Tgt Ion:276 Resp: 1062226

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

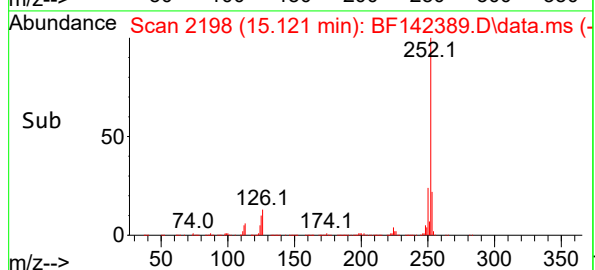
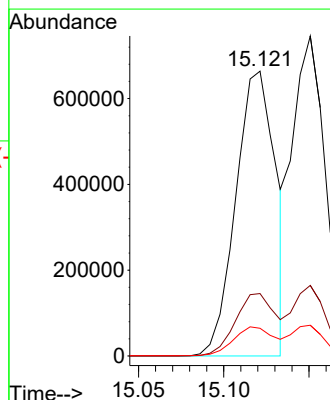
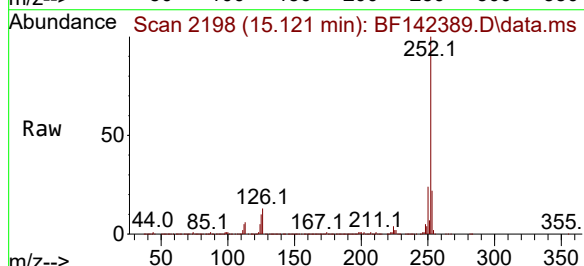
Tgt Ion:252 Resp: 1077537

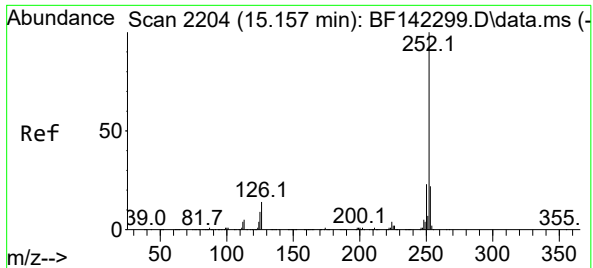
Ion Ratio Lower Upper

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# 21

Delta R.T. -0.006 min

Lab File: BF142389.D

Acq: 15 May 2025 12:47

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MSD

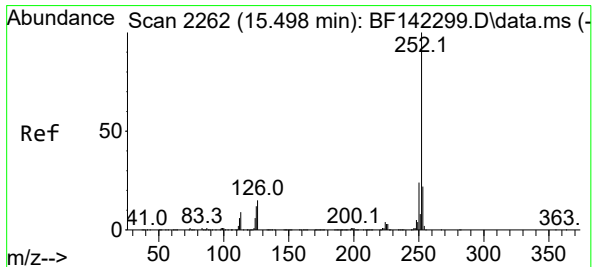
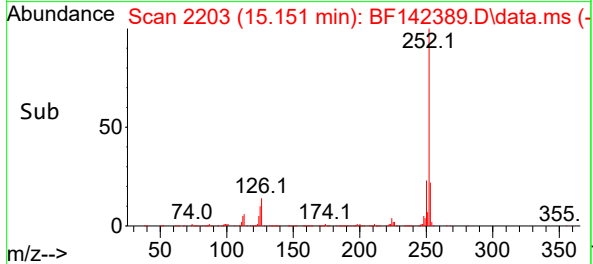
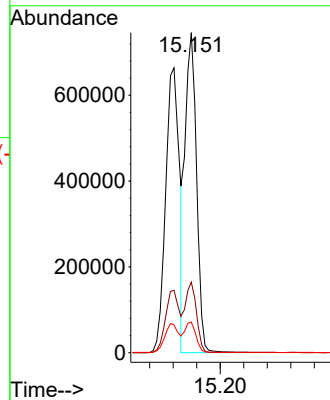
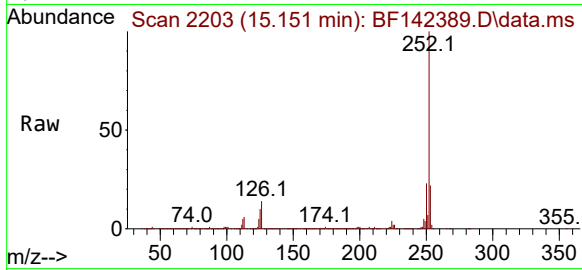
Tgt Ion:252 Resp: 1006024

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

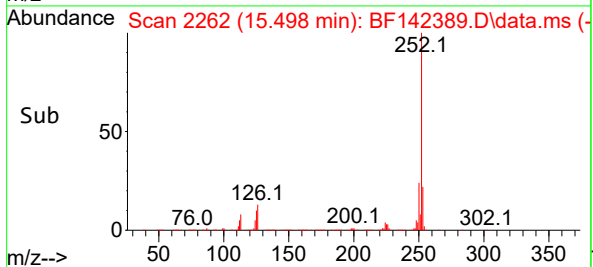
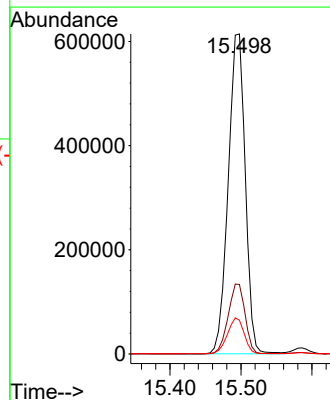
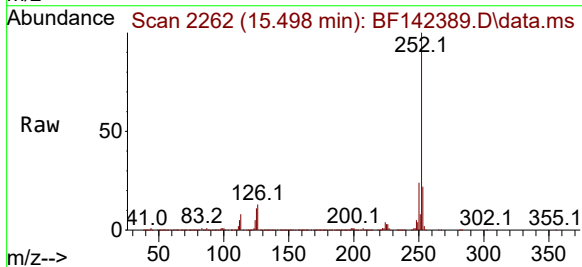
Tgt Ion:252 Resp: 1021358

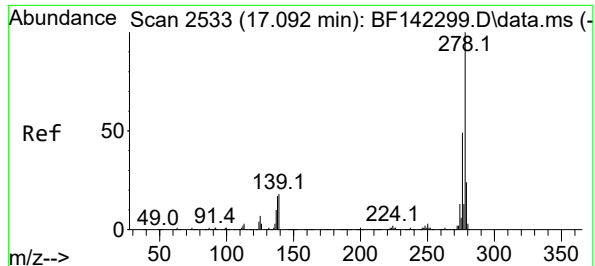
Ion Ratio Lower Upper

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# 21

Delta R.T. -0.006 min

Lab File: BF142389.D

Acq: 15 May 2025 12:47

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MSD

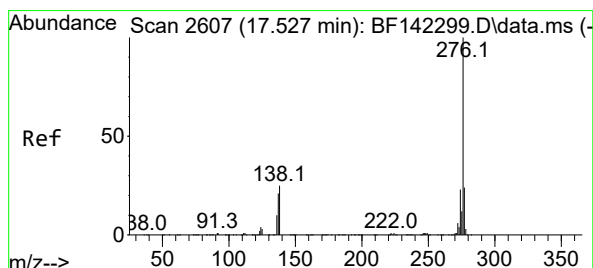
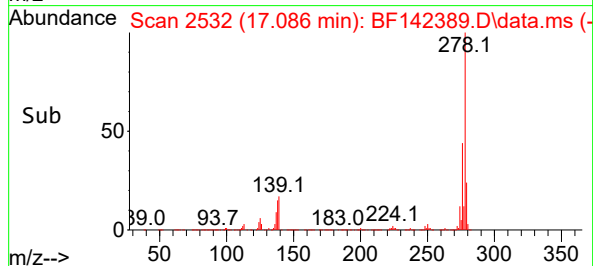
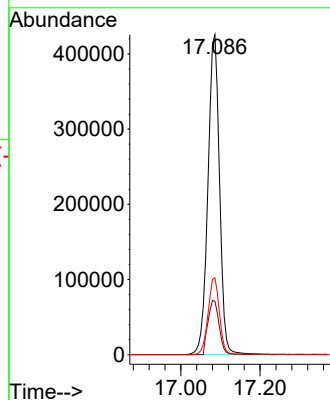
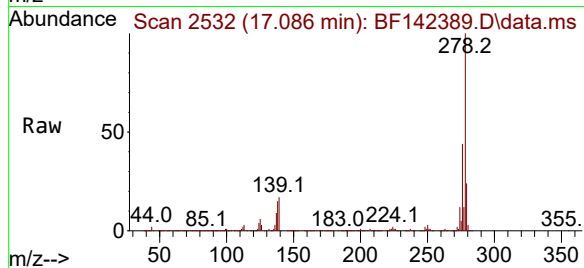
Tgt Ion:278 Resp: 868581

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

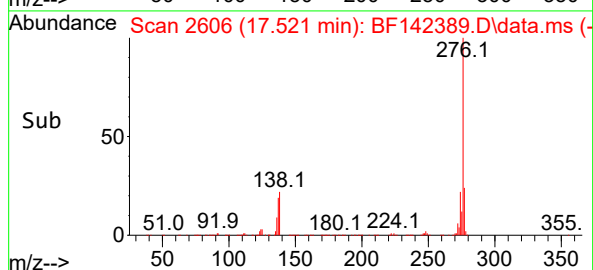
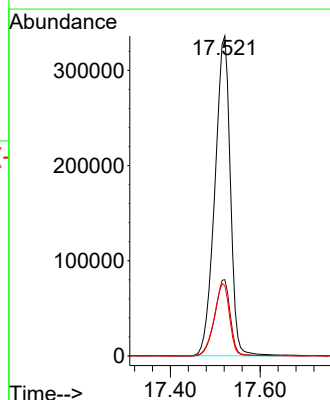
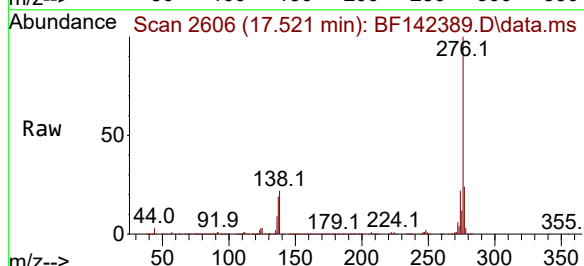
Tgt Ion:276 Resp: 805852

Ion Ratio Lower Upper

276 100

277 23.8 19.0 28.6

138 21.9 19.8 29.6



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

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

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

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

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch 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

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch 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

Instrument ID: **BNA_F**

Daily Analysis Runlog For Sequence/QC Batch 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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch 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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch 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 Initial Calibration Stds	SP6757 SP6784,SP6785,SP6786,SP6787,SP6788,SP6790,SP6789,SP6791
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	SP6787 S12664,10ul/1000ul sample SP6770

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QC Batch 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

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

Welgh 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: ☒ Separatory Funnel

☐ Continious Liquid/Liquid

☐ Sonication

☐ Waste Dilution

☐ Soxhlet

Standarded 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
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

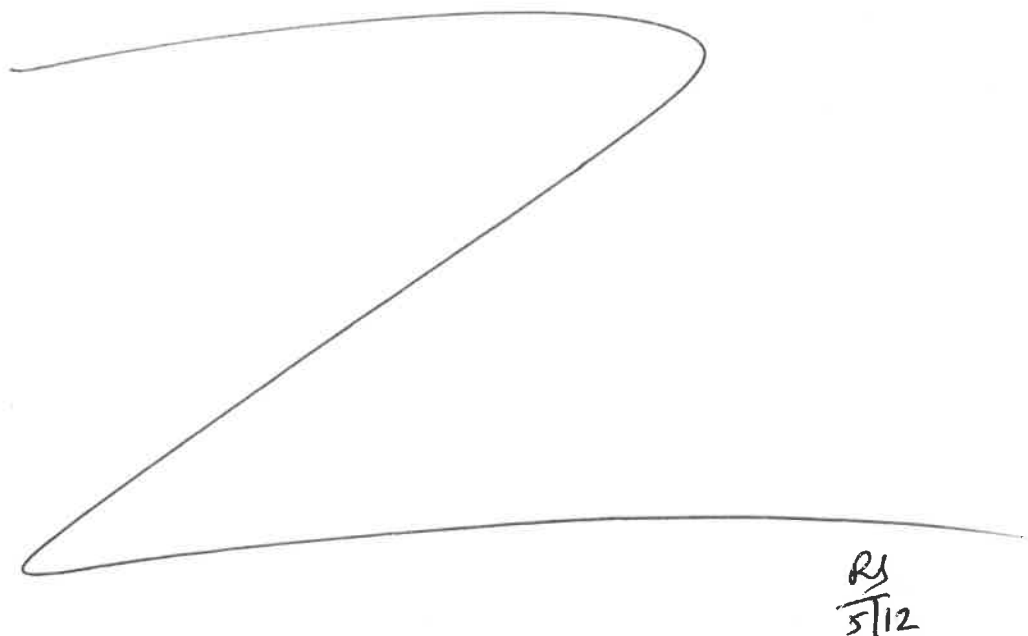
Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
5/12/25	RS (Ext Lab)	RC/SVOC
15:30	Preparation Group	Analysis Group

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	RWB-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



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-Lab)

Raw Sample Relinquished by: af sm

Date/Time 5/12/25 9:20

Raw Sample Received by: af sm

Raw Sample Relinquished by: RJ (Ext-Lab)

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)

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,



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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
<u>FROM</u>	1000.00000ml of W3112 + 400.00000gram of E3657 = Final Quantity: 1000.000 ml							

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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
<u>FROM</u>	1000.00000ml of M6157 + 1000.00000ml of W3112 = Final Quantity: 2000.000 ml							

Extractions STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3923	Baked Sodium Sulfate	EP2611	05/09/2025	07/01/2025	RUPESHKUMAR SHAH	Extraction_SC ALE_2 (EX-SC-2)	None	Riteshkumar Patel 05/09/2025

FROM 4000.00000gram of E3551 = Final Quantity: 4000.000 gram

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3895	50 ug/ml DFTTP 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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
18	Second Source Calibration Stock Standard, 100 PPM,	SP6769	04/10/2025	09/10/2025	Jagrut Upadhyay	None	None	Sohil Jodhani
	(8270/625/CLP)							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

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
3764	8270/625 Stock solution 100 ng	SP6783	05/05/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025
<u>FROM</u> 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								

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
413	80 ng BNA ICC, 80 PPM	SP6784	05/05/2025	06/21/2025	Jagrut Upadhyay	None	None	Rahul Chavli 05/16/2025
<u>FROM</u> 0.01000ml of S12662 + 0.20000ml of E3930 + 0.80000ml of SP6783 = Final Quantity: 1.010 ml								

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

SVOC STANDARD PREPARATION LOG

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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

<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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



<u>Recipe ID</u>	<u>NAME</u>	<u>NO.</u>	<u>Prep Date</u>	<u>Expiration Date</u>	<u>Prepared By</u>	<u>ScaleID</u>	<u>PipetteID</u>	<u>Supervised By</u>
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
<u>FROM</u>	0.01000ml of S12662 + 0.50000ml of E3930 + 0.50000ml of SP6789 = Final Quantity: 1.010 ml							

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

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

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

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

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,CH ₂ Cl ₂ ,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,CH ₂ Cl ₂ ,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12210

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,CH ₂ Cl ₂ ,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,CH ₂ Cl ₂ ,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,CH ₂ Cl ₂ ,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,CH ₂ Cl ₂ ,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,CH ₂ Cl ₂ ,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,CH ₂ Cl ₂ ,5ml	A0206381	09/18/2025	03/18/2025 / anahy	03/15/2024 / Rahul	S12216

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

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]	A0214021	10/30/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12491

[CS 4978-1]

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]	A0214021	10/30/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12492

[CS 4978-1]

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]	A0214021	10/30/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12493

[CS 4978-1]

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]	A0214021	10/30/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12494

[CS 4978-1]

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]	A0214021	10/30/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12495

[CS 4978-1]

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]	A0214021	10/30/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12496

[CS 4978-1]

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]	A0214017	10/10/2025	04/10/2025 / Jagrut	07/23/2024 / RAHUL	S12534

[CS 4978-2]

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]	A0214017	11/01/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12535

[CS 4978-2]

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]	A0214017	11/01/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12536

[CS 4978-2]

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]	A0214017	11/01/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12537

[CS 4978-2]

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]	A0214017	11/01/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12538

[CS 4978-2]

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]	A0214017	11/01/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12539

[CS 4978-2]

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]	A0214017	11/01/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12540

[CS 4978-2]

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]	A0214017	11/01/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12541

[CS 4978-2]

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]	A0214017	10/30/2025	04/30/2025 / Rahul	07/23/2024 / RAHUL	S12542

[CS 4978-2]

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	31615 / SV Mixture, GC/MS Tuning Mixture, CH ₂ Cl ₂ , 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, CH ₂ Cl ₂ , 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, CH ₂ Cl ₂ , 1mL	A0212266	11/01/2025	05/01/2025 / Rahul	09/20/2024 / anahy	S12662

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, CH ₂ Cl ₂ , 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, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	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, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	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, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	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, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	A0219438	09/30/2025	04/30/2025 / Rahul	12/11/2024 / anahy	S12978

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, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	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, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	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, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	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, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	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, CH ₂ Cl ₂ [New Solvent 100% CH ₂ Cl ₂]	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

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 / lwona	07/03/2024 / lwona	W3112



5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Page 1 of 1

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-110817-01	414125	≤ -10 °C	Methylene Chloride	6/21/2025	Custom 8270 Mix, 4-55, 1000 mg/L, 1 mL

Compound	CAS No.	Purity (%)	Compound Lot No.	Concentration, mg/L
acetophenone	98-86-2	99.2	85.8.1P	998 ± 11.5
benzoic acid	65-85-0	100	123.7.1P	1010 ± 5.88
biphenyl	92-52-4	99.9	366.29.1P	999 ± 5.82
1,2,4,5-tetrachlorobenzene	95-94-3	99.7	53.7.2P	993 ± 5.79

Received on
02/07/23
by
CG
S11089
to
S11093

*Not a certified value

Manufactured by o2si smart solutions, Accredited to ISO 9001:2008 by NSF and ISO/IEC 17025:2005 (Certification No. 3031.01) and ISO Guide 34:2009 (Certification No. 3031.02) by A2LA

Certified By: _____

Shane Overcash
Chemist

All weights are traceable through N. I. S. T. Test No. 822/264157-00.
Concentration (correct for purity) and uncertainty (95% confidence) values listed are determined gravimetrically.



5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Page 1 of 1

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-112090	440246	≤ -10 °C	Methylene Chloride	2/16/2026	CLP Acid Surrogate Solution, 7,500 mg/L, 1 mL
-04					

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-d ₆	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

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 gravimetrically.

Certified By: _____

Erica Castiglione
Chemist



CERTIFIED REFERENCE MATERIAL

110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

Gravimetric Certificate



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. : 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

Received by
CG on
05/18/22
S10393
+0
S10402

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		+/- 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:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

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.



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: (800)356-1688
Fax: (814)353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Gravimetric Certificate



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Received by
CG
on
07/05/22
S 10583
to
S 10592

Catalog No.: 555868 Lot No.: A0186373
Description: Custom Benzidine Standard
Custom Benzidine Standard 25,000µg/mL, Methanol, 1mL/ampul
Container Size: 2 mL Pkg Amt: > 1 mL
Expiration Date: June 30, 2025 Storage: 10°C or colder
Handling: Contains carcinogen/reproductive toxin. Ship: Ambient

CERTIFIED VALUES

Component #	Compound	Grav. Conc. (weight/volume)	Expanded Uncertainty (95% C.L.; K=2)
1	Benzidine	25,200.0 µg/mL	+/- 233.2055 µg/mL Gravimetric
	CAS # 92-87-5 (Lot 220511RSR)		+/- 351.6606 µg/mL Unstressed
	Purity 99%		+/- 512.6054 µg/mL Stressed

Solvent: Methanol
CAS # 67-56-1
Purity 99%

Tom Suckal - 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:

$$U_{combined\ stressed} = k \sqrt{U_{gravimetric}^2 + U_{homogeneity}^2 + U_{storage\ stability}^2 + U_{shipping\ stability}^2}$$

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.



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 #FM1

ified Reference Material Notes

es:

n date valid for unopened ampul stored in compliance with the recommended conditions.
nty, concentration, and expiration of the CRM are based on the unopened product being stored according to the
ended condition found in the storage field.

d/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD,
LC/MS, RI, and/or melting point.

nds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A
n factor is used to calculate the amount of compound necessary to achieve the desired concentration of the
mpound in solution.

isomeric compounds is reported as the sum of the isomers.

ues 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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

rage 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
i, 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
QUÍMICOS
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 ₂ SO ₄
SPECIFICATION NUMBER :	6399	RELEASE DATE:	ABR/21/2023
LOT NUMBER :	313201		

TEST	SPECIFICATIONS	LOT VALUES
Assay (Na ₂ SO 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 foreign 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.

Recd. by R3 on 7/24/23 E 3551

RC-02-01, Ed. 3



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:

Manufacture Date: 12/14/2022
Expiration Date: 12/31/2025

Storage: Room Temperature

Pellets

TEST	SPECIFICATION	ANALYSIS	DISPOSITION
Calcium	$\leq 0.005 \%$	$< 0.005 \%$	PASS
Chloride	$\leq 0.005 \%$	0.002 %	PASS
Heavy Metals	$\leq 0.002 \%$	$< 0.002 \%$	PASS
Iron	$\leq 0.001 \%$	$< 0.001 \%$	PASS
Magnesium	$\leq 0.002 \%$	$< 0.002 \%$	PASS
Mercury	$\leq 0.1 \text{ ppm}$	$< 0.1 \text{ ppm}$	PASS
Nickel	$\leq 0.001 \%$	$< 0.001 \%$	PASS
Nitrogen Compounds	$\leq 0.001 \%$	$< 0.001 \%$	PASS
Phosphate	$\leq 0.001 \%$	$< 0.001 \%$	PASS
Potassium	$\leq 0.02 \%$	$< 0.02 \%$	PASS
Purity	$\geq 97.0 \%$	99.2 %	PASS
Sodium Carbonate	$\leq 1.0 \%$	0.5 %	PASS
Sulfate	$\leq 0.003 \%$	$< 0.003 \%$	PASS

Internal ID #: 710

Signature

We certify that this batch conforms to the specifications listed.

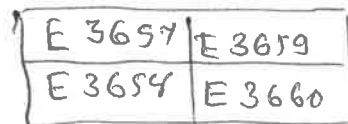
This document has been electronically produced and is valid without a signature.

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.



Acetone

BAKER RESI-ANALYZED® Reagent

For Organic Residue Analysis

 avantor

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) ₂ CO) (by GC, corrected for water)	>= 99.4 %	100.0 %
Color (APHA)	<= 10	5
Residue after Evaporation	<= 1.0 ppm	0.0 ppm
Substances Reducing Permanganate	Passes Test	Passes Test
Titration Acid (µeq/g)	<= 0.3	0.2
Titration Base (µeq/g)	<= 0.6	<0.1
Water (H ₂ O)	<= 0.5 %	<0.1 %
FID-Sensitive Impurities (as 2-Octanol) Single Impurity Peak (ng/mL)	<= 5	1
ECD Sensitive Impurities (as Heptachlor Epoxide) Single Peak (pg/mL)	<= 10	1

For Laboratory, Research, or Manufacturing Use

MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States

Packaging Site: Phillipsburg Mfg Ctr & DC

E3902

Jamie Croak
Director Quality Operations, Bioscience Production

For questions on this Certificate of Analysis please contact Technical Services at 855.282.6867 or +1.610.386.1700

Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA, 19087 U.S.A. Phone 610.386.1700

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor



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 ₂ Cl ₂) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8 \%$	99.9 %
Color (APHA)	≤ 10	10
Residue after Evaporation	$\leq 1.0 \text{ ppm}$	0.8 ppm
Titration Acid ($\mu\text{eq/g}$)	≤ 0.3	<0.1
Chloride (Cl)	$\leq 10 \text{ ppm}$	<5 ppm
Water (by KF, coulometric)	$\leq 0.02 \%$	<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

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

Avantor Performance Materials, LLC

100 Matsonford Rd, Suite 200, Radnor, PA, 19087, U.S.A. Phone 610.386.1700

Methylene Chloride
ULTRA RESI-ANALYZED
For Organic Residue Analysis
(dichloromethane)

avantor



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 ₂ Cl ₂) (by GC, exclusive of preservative, corrected for water)	$\geq 99.8 \%$	99.9 %
Color (APHA)	≤ 10	10
Residue after Evaporation	≤ 1.0 ppm	0.8 ppm
Titration Acid (μ eq/g)	≤ 0.3	< 0.1
Chloride (Cl)	≤ 10 ppm	< 5 ppm
Water (by KF, coulometric)	$\leq 0.02 \%$	$< 0.01 \%$

For Laboratory, Research, or Manufacturing Use
MEETS SPECIFICATIONS WITHIN THE EXPIRATION PERIOD

Country of Origin: United States
Packaging Site: Phillipsburg Mfg Ctr & DC

E3930

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

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™



MG157
MS

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 ₂ SO 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 SO ₂)	<= 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

Avantor Performance Materials LLC

Sulfuric Acid

BAKER INSTRA-ANALYZED® Reagent

For Trace Metal Analysis

Low Selenium

 **avantors**™



Material No.: 9673-33

Batch No.: 2411262013

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



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



110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric



FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555870 **Lot No.:** 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

51148h
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511493
} Y.P.
08/10/28

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 Suckal - 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/ μ ECD, 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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

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.



5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Page 1 of 1

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-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 } Y.P.
↓
511498 } 08/11/2023

*Not a certified value

Certified By: Shane C. Tipton
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 gravimetrically.



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Fax: 1-814-353-1309

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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. : 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:

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- 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:

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$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

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. : 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:

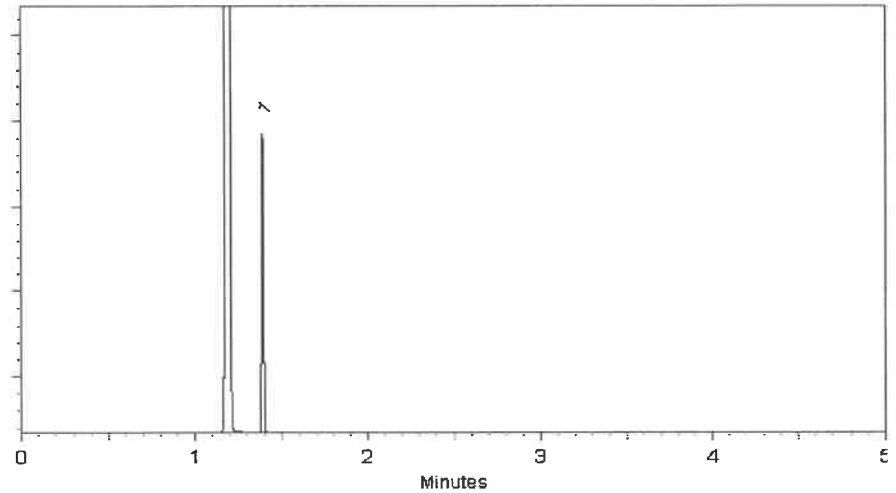
FID

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
Sam Moodler - Operations Tech I

Date Mixed: 30-Mar-2023

Balance Serial # B707717271

Jennifer Pollino
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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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Tel: 1-814-353-1300
Fax: 1-814-353-1309

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chromatographic plus



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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:

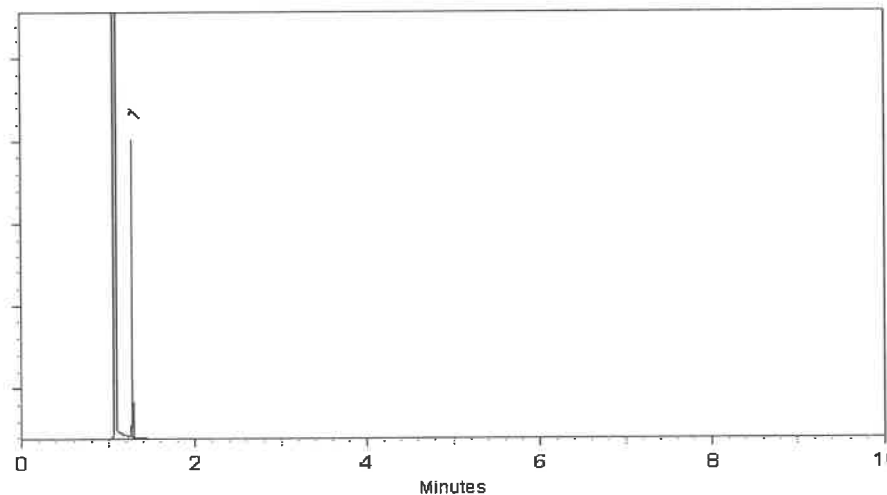
FID

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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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Date Received: _____

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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

512112 } RC/
↓
912116 } 03/08/24

*Not a certified value

Certified By: _____

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 gravimetrically.



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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31087 **Lot No.:** A0206206
Description : Acid Surrogate Mix (4/89 SOW)
Acid Surrogate 10, 000µg/mL, Methanol, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : January 31, 2032 **Storage:** 10°C or colder
Ship: Ambient

512187 } RC/
↓ } 03/18/24
512206 }

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:

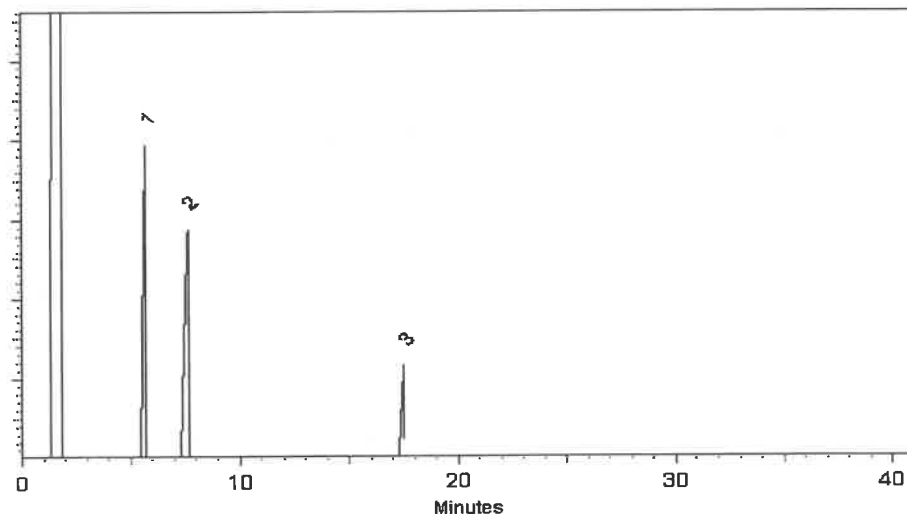
FID

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 S. Riglin

Penelope Riglin - Operations Tech I

Date Mixed: 04-Jan-2024

Balance Serial # 1128360905

Christie Mills

Christie Mills - Operations Lead Tech - ARM QC

Date Passed: 08-Jan-2024

Manufactured under Restek's ISO 9001:2015
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Certificate #FM 80397



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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 31086 **Lot No.:** A0206381
Description : B/N Surrogate Mix (4/89 SOW)
Base Neutral Surrogate 5000µg/mL, Methylene Chloride, 5mL/ampul
Container Size : 5 mL **Pkg Amt:** > 5 mL
Expiration Date : December 31, 2029 **Storage:** 10°C or colder
Handling: Sonicate prior to use. **Ship:** Ambient

S12207 } RC/
↓
S12221 } 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-S (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:

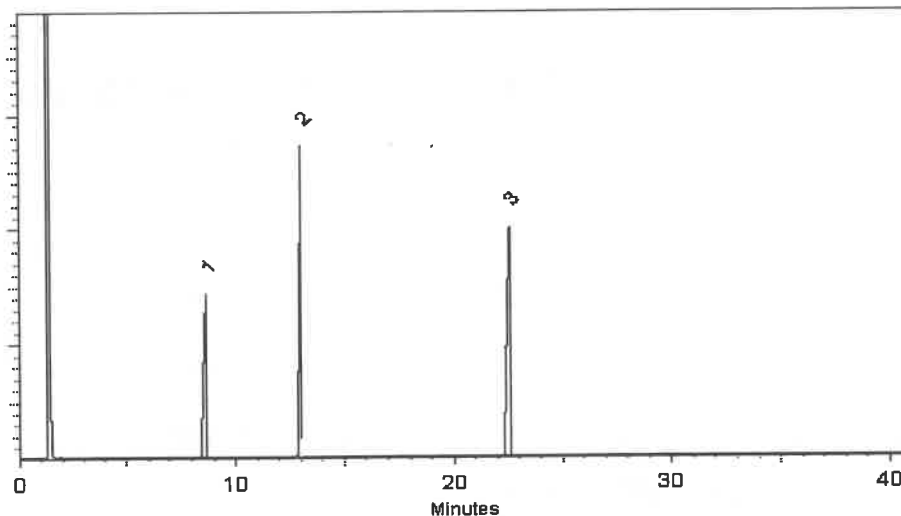
FID

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
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Certificate #FM 80397



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by TUV USA to ISO 9001:2015

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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

*Not a certified value

512270 } RC/
↓
512274 } 05/24/24

Kerry Kane

Certified By: _____

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 gravimetrically.

Certificate of Analysis

Page 2 of 4

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

Kerry Kane

Certified By:

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 gravimetrically.

Certificate of Analysis

Page 3 of 4

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

Kerry Kane

Certified By:

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 gravimetrically.

Certificate of Analysis

Page 4 of 4

Catalog No.: Z-110381-01

Lot No.: 520963

Expiration Date: 10/10/2028

<u>Compound</u>	<u>CAS No.</u>	<u>Purity (%)</u>	<u>Compound Lot No.</u>	<u>Concentration, mg/L</u>
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 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 gravimetrically.



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Date Received: _____

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Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-010442-07	495833	$\leq -10^{\circ}\text{C}$	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 $\pm$ 11.49

512275 } RC/
↓
512279 } 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 gravimetrically.



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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. : 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 } RC/
↓ 7/24/24
S12508 }

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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.



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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 } RC/
↓
S12568 } 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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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 } RC/
↓
S12568 } 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:

$$U_{combined\ uncertainty} = k \sqrt{u_{gravimetric}^2 + u_{homogeneity}^2 + u_{storage\ stability}^2 + u_{shipping\ stability}^2}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 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 } RC
↓
S12579 } 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:

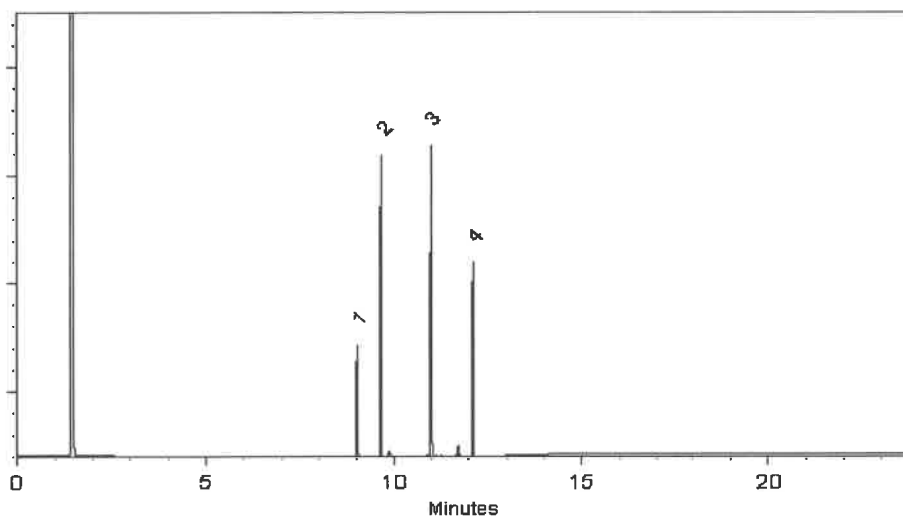
FID

Split Vent:

10 ml/min.

Inj. Vol

1µl

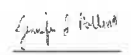


This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.


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



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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



5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Page 1 of 1

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-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

~~512280~~ } RCL
↓
~~512284~~ } 05/24/24

New Numbers Generated.

512790 } RCL
↓
512794 } 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 gravimetrically.



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Catalog No. : 31850 **Lot No.:** A0219438

Description : 8270 MegaMix®
8270 MegaMix® 500-1000 µg/mL, Methylene Chloride, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** 0°C or colder

Handling: Sonication required. Mix is photosensitive. **Ship:** Ambient

S12963
↓
S12992 } AC
12/17/24

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Pyridine	110-86-1	SHBP6240	99%	1,008.3 µg/mL	+/- 36.6849
2	N-Nitrosodimethylamine	62-75-9	S240313RSR	99%	1,008.6 µg/mL	+/- 36.6985
3	Phenol	108-95-2	MKCK1120	99%	1,003.5 µg/mL	+/- 36.5120
4	Aniline	62-53-3	X22F726	99%	1,002.9 µg/mL	+/- 36.4893
5	Bis(2-chloroethyl)ether	111-44-4	002891T24M	99%	1,003.0 µg/mL	+/- 36.4938
6	2-Chlorophenol	95-57-8	STBJ3909	99%	1,005.6 µg/mL	+/- 36.5894
7	1,3-Dichlorobenzene	541-73-1	BCCD5315	99%	1,004.1 µg/mL	+/- 36.5348
8	1,4-Dichlorobenzene	106-46-7	MKBS7929V	99%	1,002.1 µg/mL	+/- 36.4620
9	Benzyl alcohol	100-51-6	SHBK5469	99%	1,003.5 µg/mL	+/- 36.5120
10	1,2-Dichlorobenzene	95-50-1	SHBL6287	99%	1,005.3 µg/mL	+/- 36.5757
11	2-Methylphenol (o-cresol)	95-48-7	SHBN7598	99%	1,008.4 µg/mL	+/- 36.6894
12	2,2'-oxybis(1-chloropropane)	108-60-1	29-MAR-45-5	99%	1,004.6 µg/mL	+/- 36.5530
13	3-Methylphenol (m-cresol)	108-39-4	STBJ0710	99%	502.1 µg/mL	+/- 18.2697
14	4-Methylphenol (p-cresol)	106-44-5	SHBN3411	99%	503.8 µg/mL	+/- 18.3288
15	N-Nitroso-di-n-propylamine	621-64-7	N63MG	99%	1,006.5 µg/mL	+/- 36.6212
16	Hexachloroethane	67-72-1	DAXRI	99%	1,004.5 µg/mL	+/- 36.5484
17	Nitrobenzene	98-95-3	10224044	99%	1,002.5 µg/mL	+/- 36.4757

18	Isophorone	78-59-1	MKCR3249	99%	1,003.4	µg/mL	+/- 36.5075
19	2-Nitrophenol	88-75-5	RP230710	99%	1,002.5	µg/mL	+/- 36.4757
20	2,4-Dimethylphenol	105-67-9	XW5GK	99%	1,006.5	µg/mL	+/- 36.6212
21	Bis(2-chloroethoxy)methane	111-91-1	15705100	99%	1,006.6	µg/mL	+/- 36.6257
22	2,4-Dichlorophenol	120-83-2	BCKK6969	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	BCKK0887	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	BCKK2592	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.



5580 Skylane Blvd
Santa Rosa, CA 95403

(707)525-5788
(800)878-7654 Toll Free
(707)545-7901 Fax

Manufacturer's Quality System
Audited & Registered
by TUV USA to ISO 9001:2015

Date Received: _____

Certificate of Analysis

Rev 0

Page 1 of 1

Catalog No.:	Lot No.:	Storage:	Solvent:	Exp. Date:	Description:
Z-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.

513078
↓
513087 } 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 gravimetrically.



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

COMPANY: Tetra Tech
ADDRESS: 4433 Corporation Ln, Suite 300
CITY: Virginia Beach STATE: VA ZIP: 23462
ATTENTION: Ernie Wu
PHONE: 757-466-4901 FAX: 757-461-4148

PROJECT INFORMATION

PROJECT NAME: NWIRP Bethpage
PROJECT #: 112G08005-WE13 LOCATION: RW8
PROJECT MANAGER: Ernie Wu
E-MAIL: ernie.wu@tetratech.com
PHONE: 757-466-4901 FAX: 757-461-4148

BILLING INFORMATION

BILL TO: PO#
ADDRESS:
CITY: STATE: ZIP:
ATTENTION: PHONE:

ANALYSIS

1,4-Dioxane SW846 8270	VOC SW846 8260	TAL Metals	pH	TSS	SVOC 8270			
1	2	3	4	5	6	7	8	9

PRESERVATIVES

COMMENTS

<-- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

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

- ☐ RESEULTS ONLY ☐ USEPA CLP
☐ RESULTS + QC ☐ New York State ASP "B"
☐ New Jersey REDUCED ☐ New York State ASP "A"
☐ New Jersey CLP ☐ Other
☐ EDD Format

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE		SAMPLE COLLECTION		# of Bottles										
			COMP	GRAB	DATE	TIME		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	8	1	3	1	1	1	1				
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER 1. <i>[Signature]</i>	DATE/TIME 5/7/25/170	RECEIVED BY 1. <i>[Signature]</i>	Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp <u>2.3°C</u> MeOH extraction requires an additional 4oz. Jar for percent solid Comments: Adjust Factor +1 ILL run #1
RELINQUISHED BY 2. FedEx	DATE/TIME 5-8-25 0950	RECEIVED BY 2. <i>[Signature]</i>	
RELINQUISHED BY 3.	DATE/TIME	RECEIVED FOR LAB BY 3.	

SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight
CHEMTECH: ☐ Picked Up ☐ Overnight

Shipment Complete
☐ YES ☐ NO

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q1985	TETR06	Order Date : 5/8/2025 10:49:00 AM	Project Mgr :
Client Name : Tetra Tech NUS, Inc.		Project Name : NWIRP Bethpage 112G080	Report Type : Level 4
Client Contact : Ernie Wu		Receive DateTime : 5/8/2025 9:50:00 AM	EDD Type : ADAPT
Invoice Name : Tetra Tech NUS, Inc.		Purchase Order :	Hard Copy Date :
Invoice Contact : Ernie Wu			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	

Relinquished By :

Date / Time :


5/8/25 1143

Received By :

Date / Time :


5/8/25

1143

Storage Area : VOA Refridgerator Room

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

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

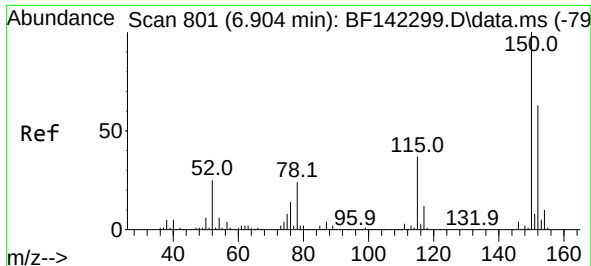
Quant Time: May 05 17:56:43 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 05 17:44:56 2025
 Response via : Initial Calibration

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

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

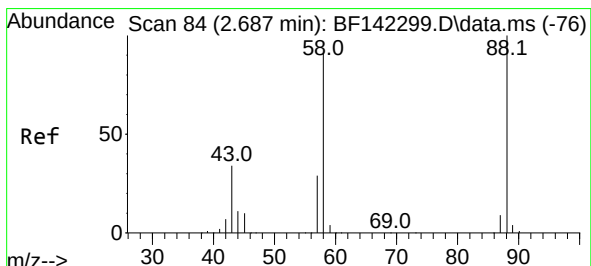
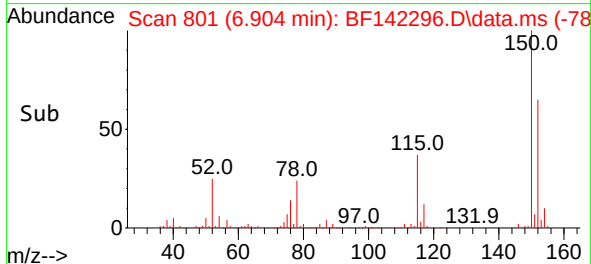
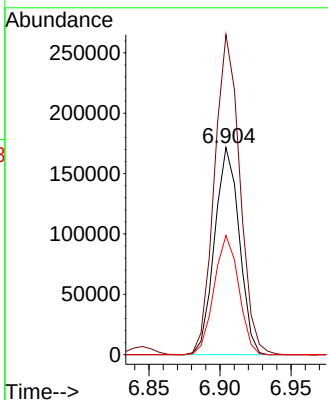
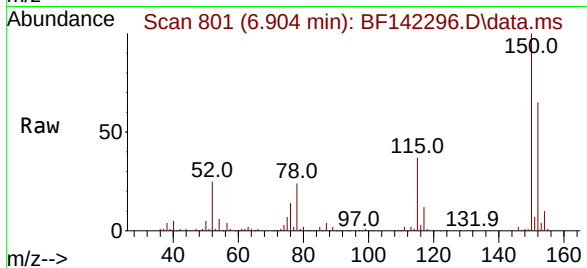




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.904 min Scan# 801
 Delta R.T. 0.000 min
 Lab File: BF142296.D
 Acq: 05 May 2025 14:23

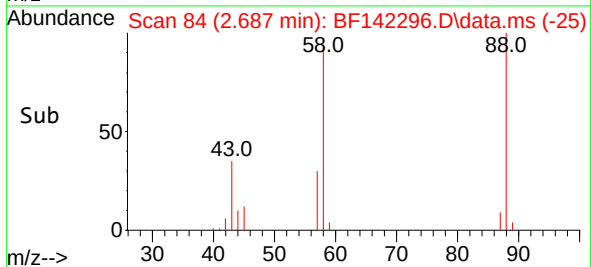
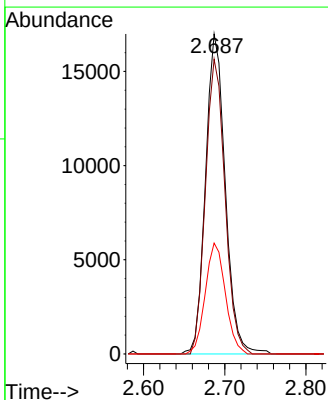
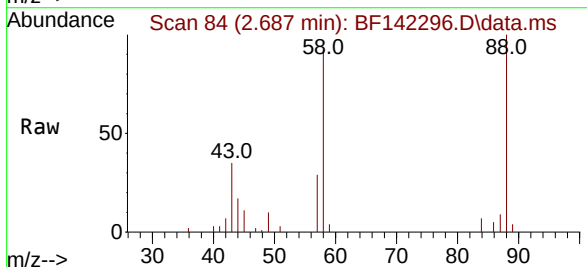
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

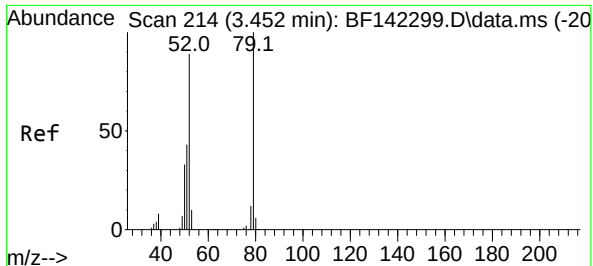
Tgt Ion:152 Resp: 207173
 Ion Ratio Lower Upper
 152 100
 150 154.5 126.6 190.0
 115 57.6 47.3 70.9



#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

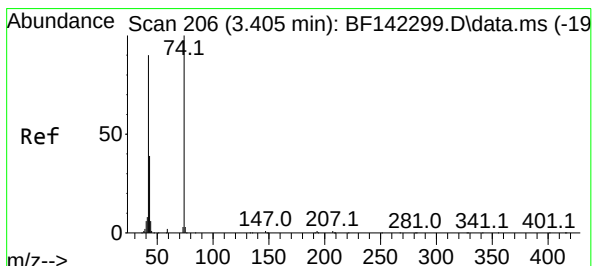
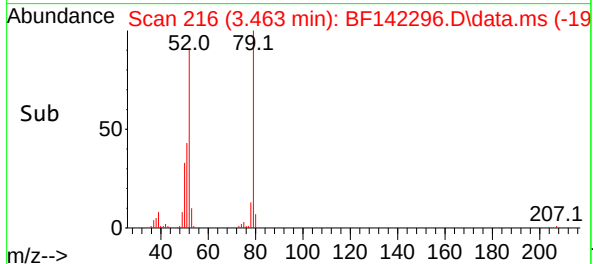
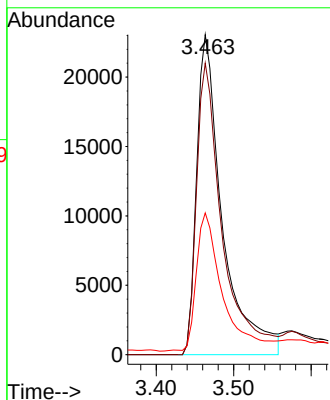
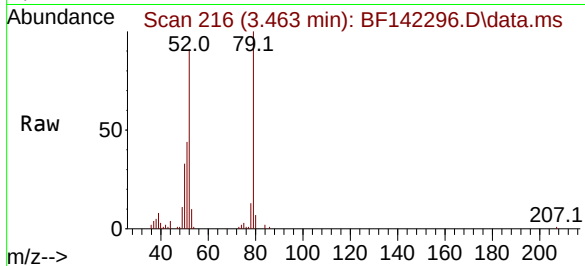




#3
Pyridine
Concen: 4.133 ng
RT: 3.463 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

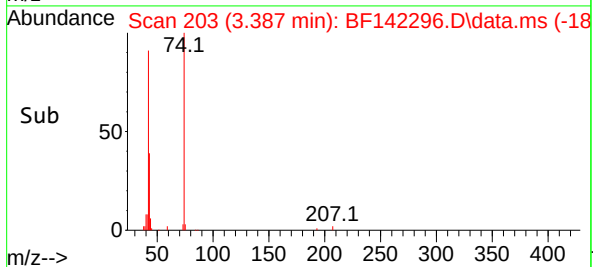
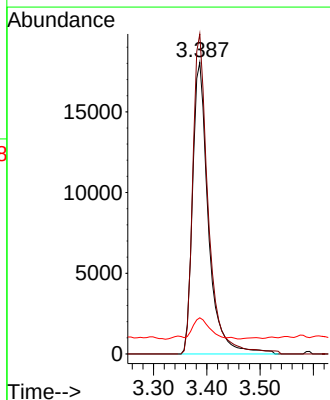
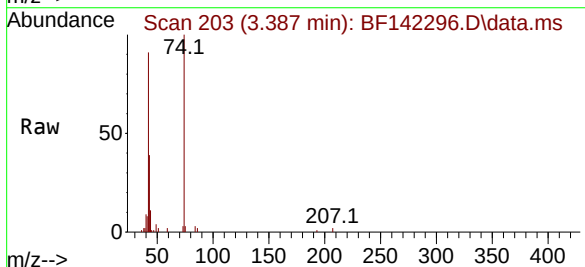
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

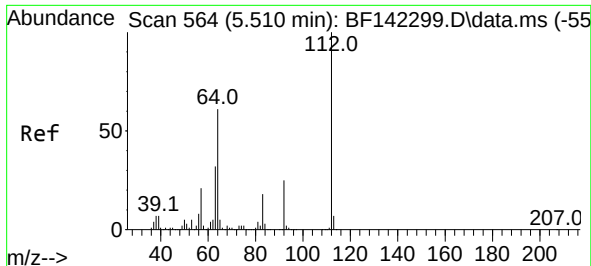
Tgt Ion: 79 Resp: 53109
Ion Ratio Lower Upper
79 100
52 91.1 71.0 106.4
51 44.3 34.9 52.3



#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#

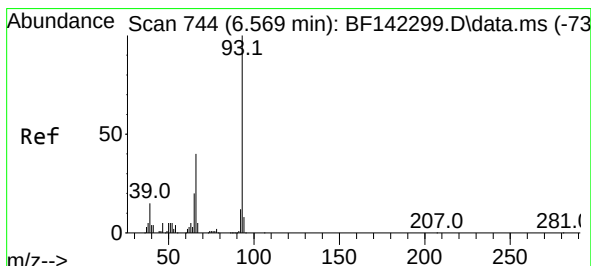
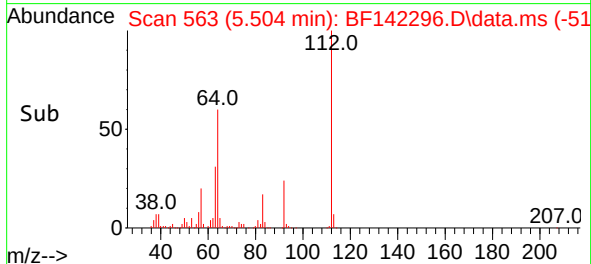
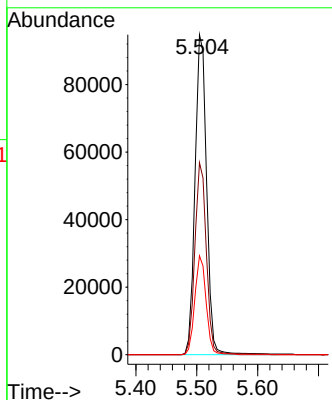
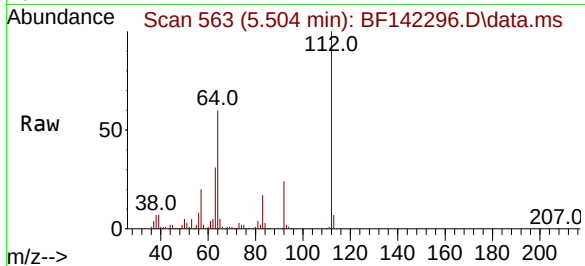




#5
2-Fluorophenol
Concen: 10.347 ng
RT: 5.504 min Scan# 51
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

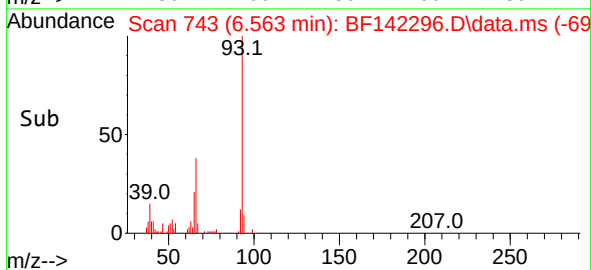
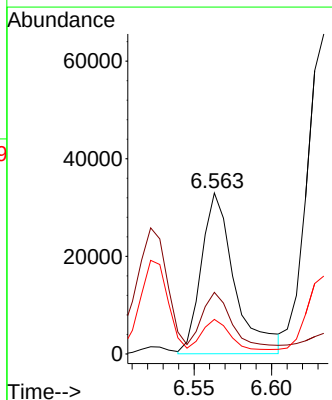
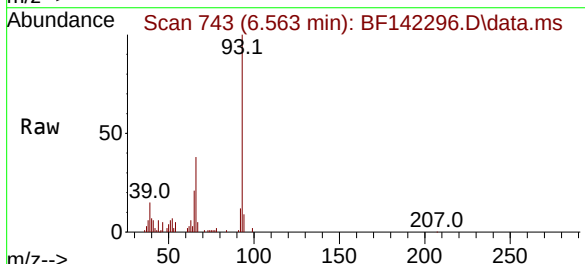
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

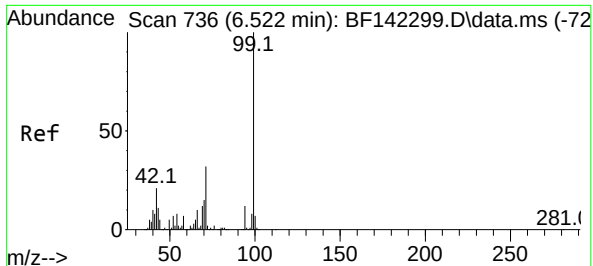
Tgt Ion:112 Resp: 125572
Ion Ratio Lower Upper
112 100
64 60.0 48.9 73.3
63 30.9 25.6 38.4



#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

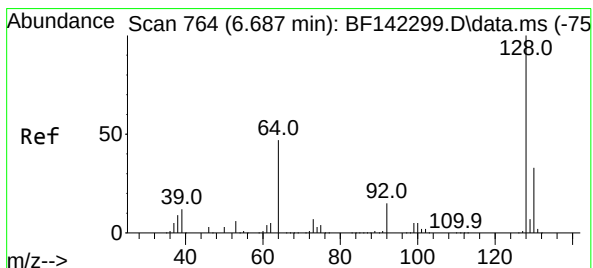
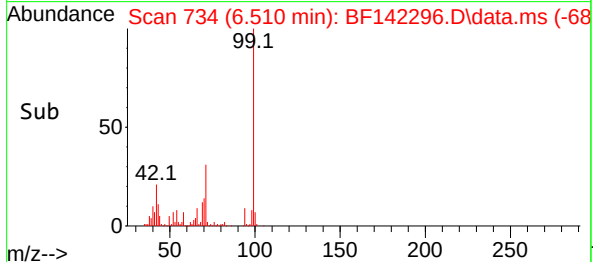
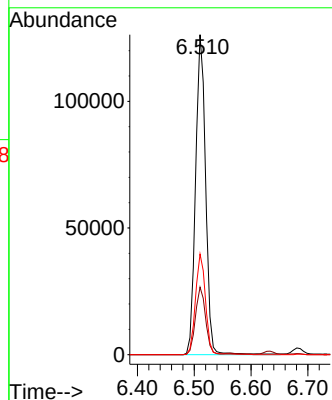
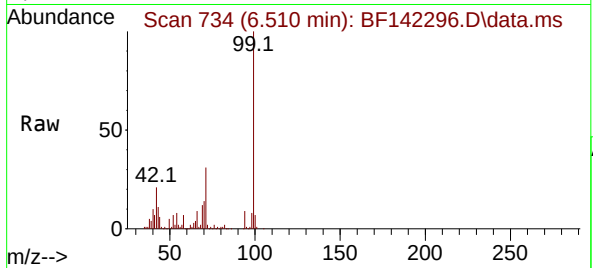




#7
Phenol-d6
Concen: 10.479 ng
RT: 6.510 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

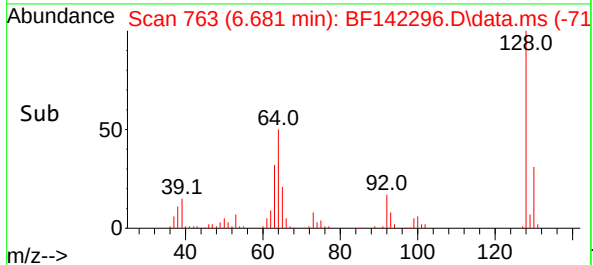
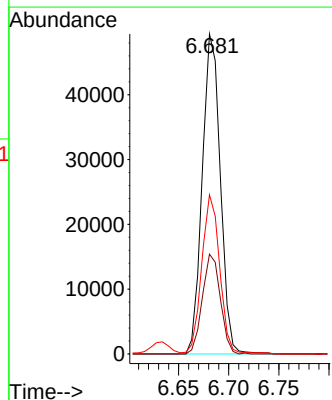
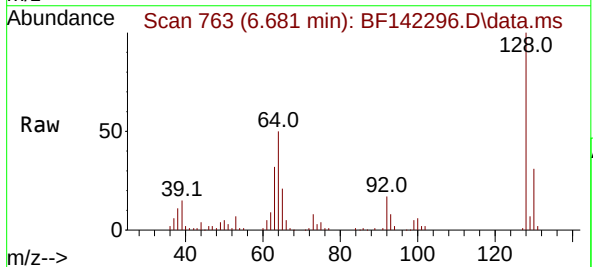
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

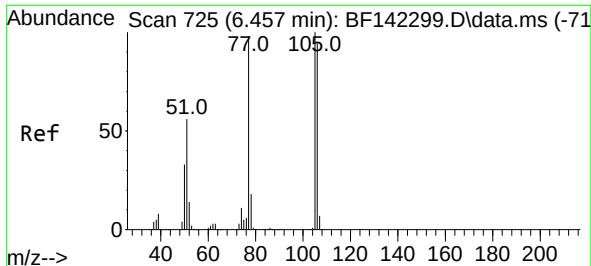
Tgt Ion: 99 Resp: 156415
Ion Ratio Lower Upper
99 100
42 21.1 17.0 25.4
71 31.4 25.8 38.8



#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

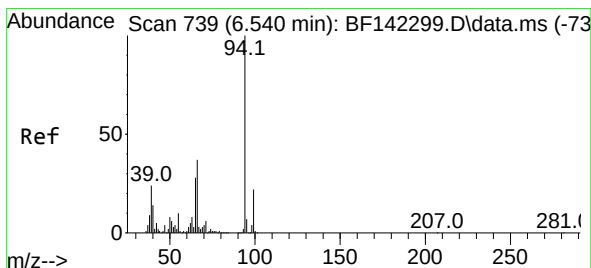
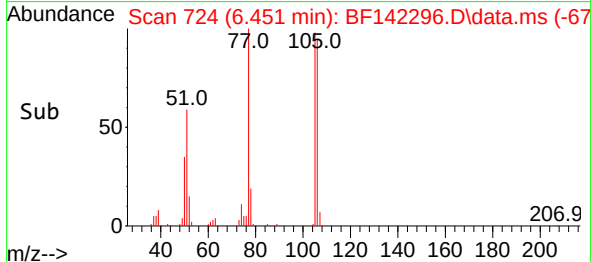
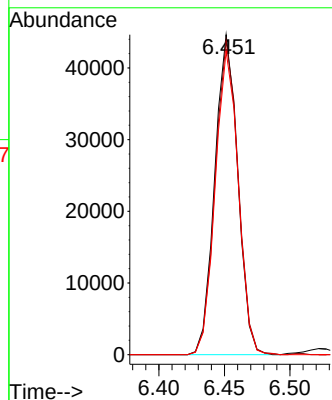
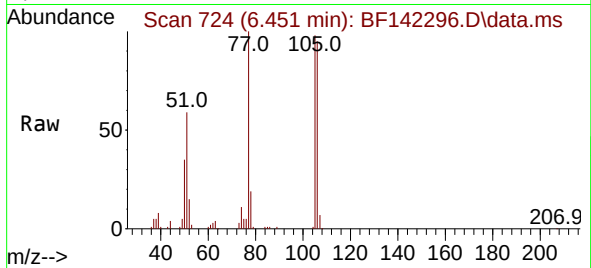




#9
Benzaldehyde
Concen: 6.217 ng
RT: 6.451 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

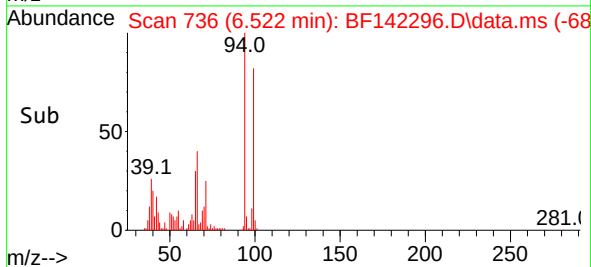
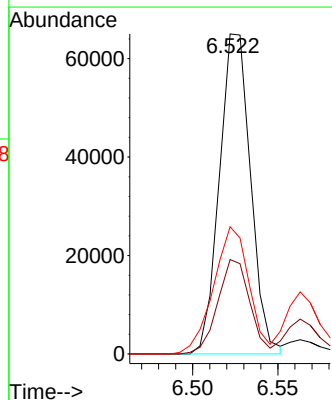
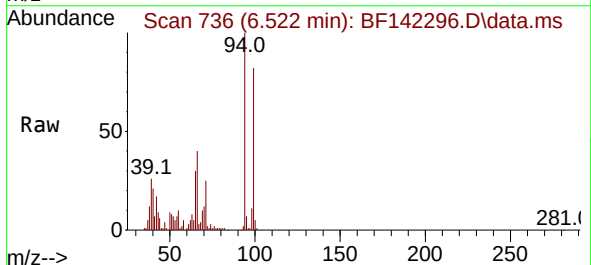
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

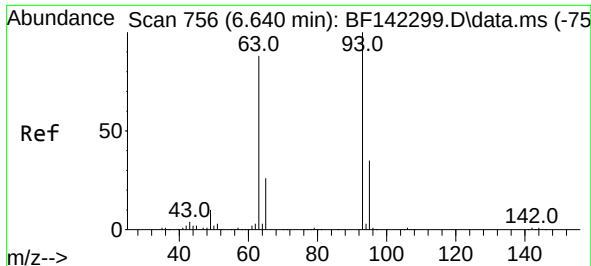
Tgt Ion: 77 Resp: 54313
Ion Ratio Lower Upper
77 100
105 98.1 82.0 122.0
106 94.9 77.2 117.2



#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

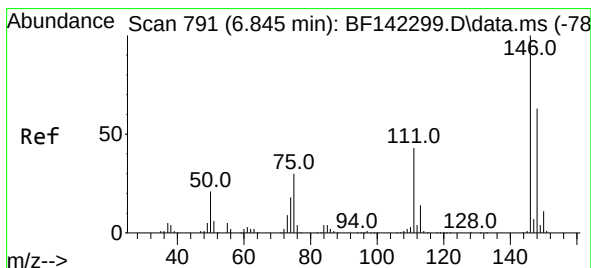
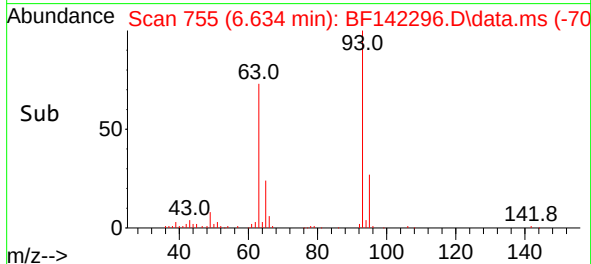
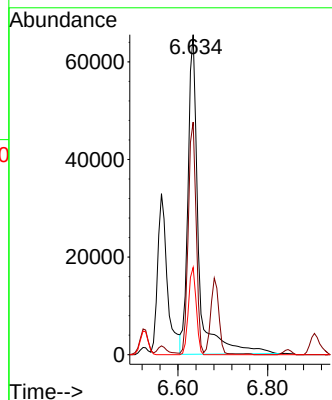
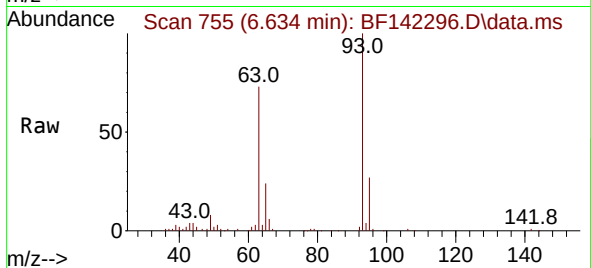




#11
bis(2-Chloroethyl)ether
Concen: 6.855 ng
RT: 6.634 min Scan# 755
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

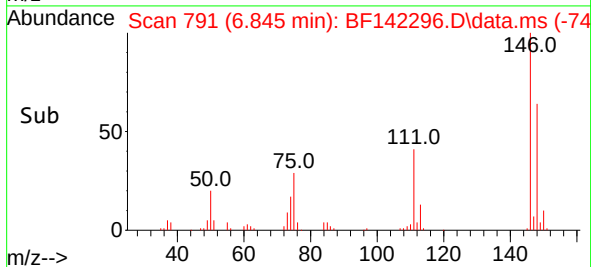
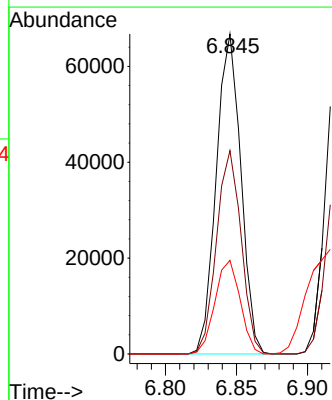
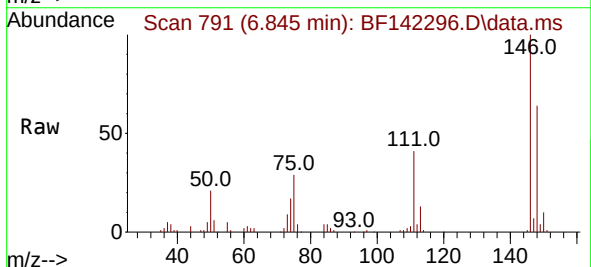
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

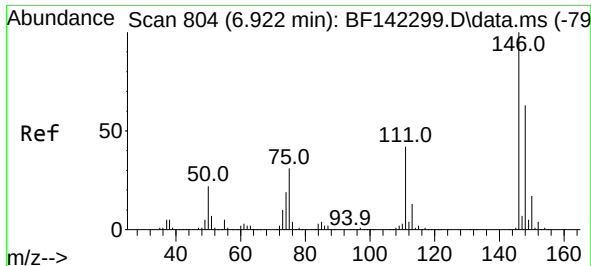
Tgt Ion: 93 Resp: 106962
Ion Ratio Lower Upper
93 100
63 72.7 58.4 98.4
95 27.2 10.6 50.6



#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# 804

Delta R.T. -0.000 min

Lab File: BF142296.D

Acq: 05 May 2025 14:23

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

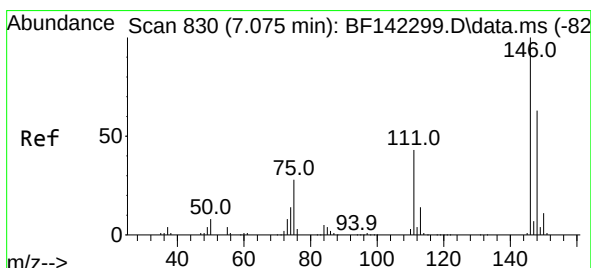
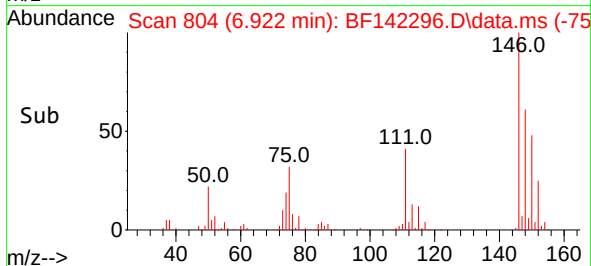
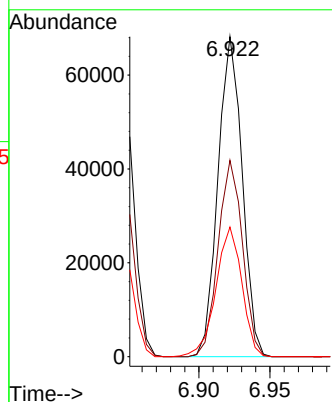
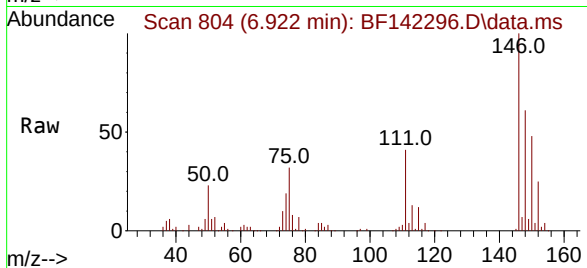
Tgt Ion:146 Resp: 80900

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

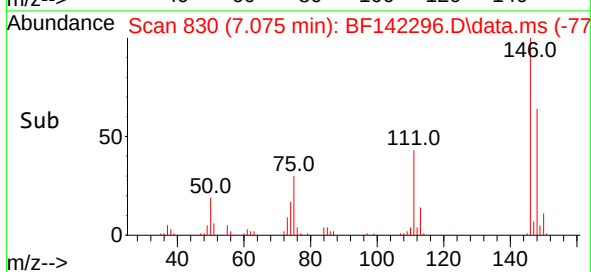
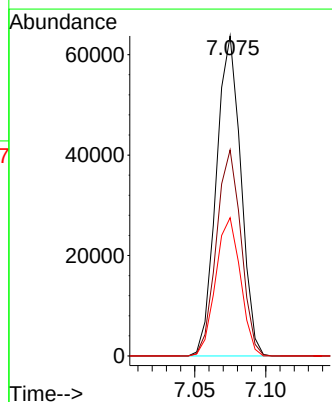
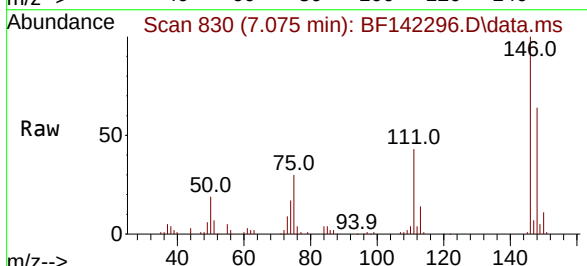
Tgt Ion:146 Resp: 76655

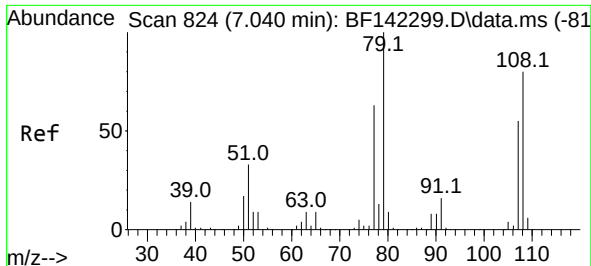
Ion Ratio Lower Upper

146 100

148 64.4 50.3 75.5

111 43.2 34.5 51.7

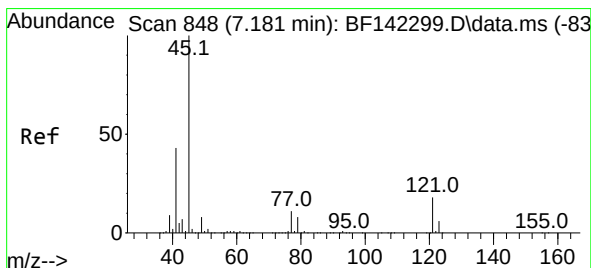
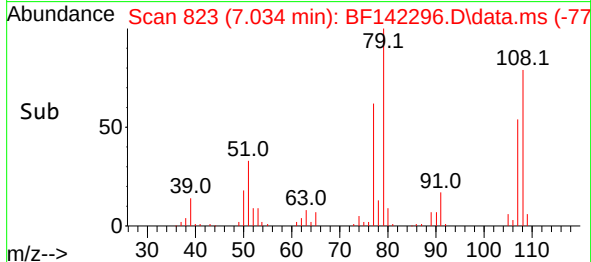
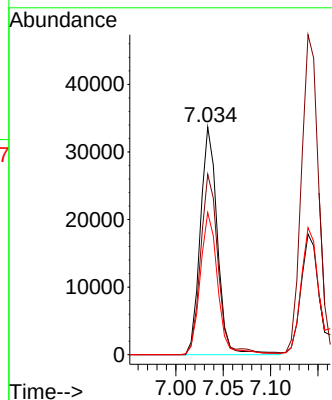
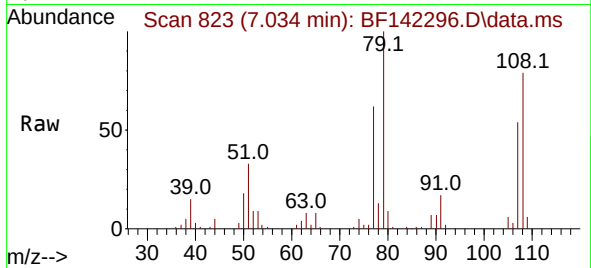




#15
Benzyl Alcohol
Concen: 4.374 ng
RT: 7.034 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

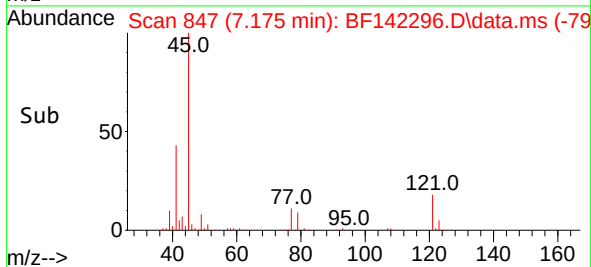
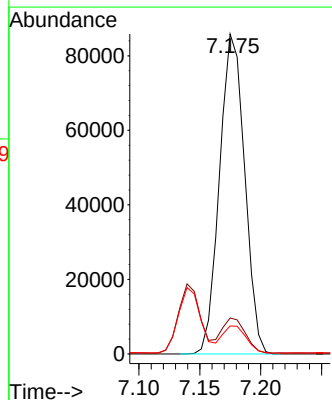
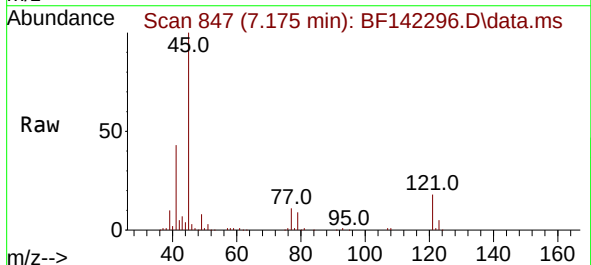
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

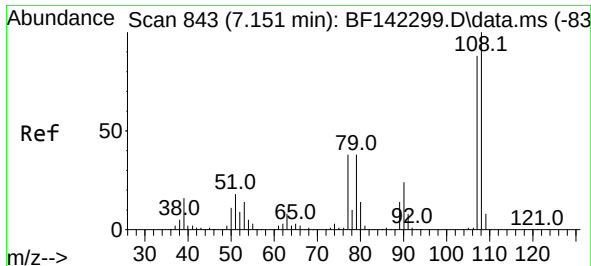
Tgt Ion: 79 Resp: 42272
Ion Ratio Lower Upper
79 100
108 79.3 63.9 95.9
77 62.4 50.7 76.1



#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

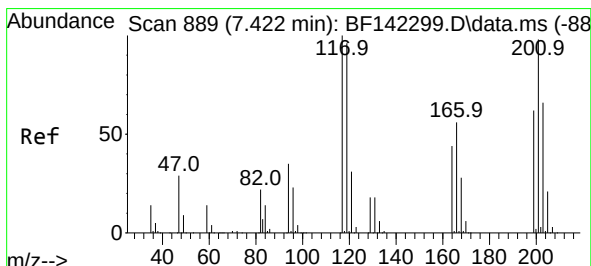
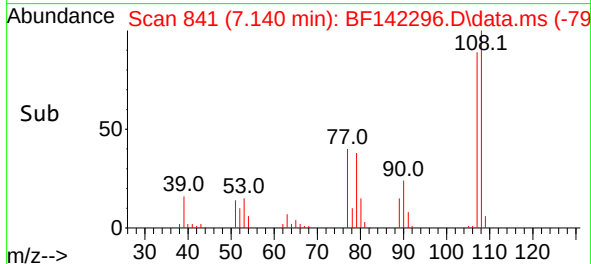
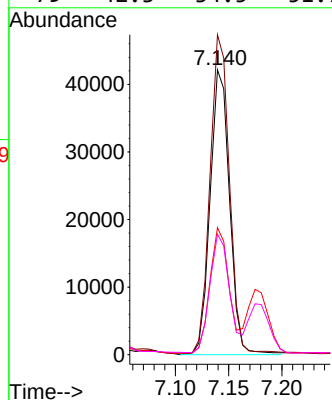
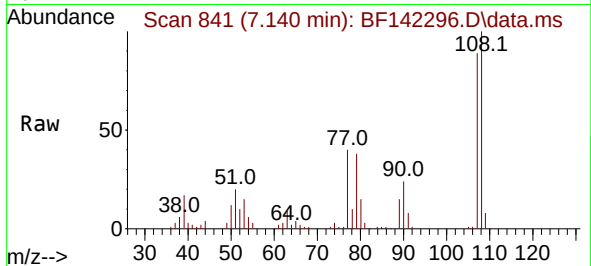




#17
2-Methylphenol
Concen: 5.094 ng
RT: 7.140 min Scan# 841
Delta R.T. -0.012 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

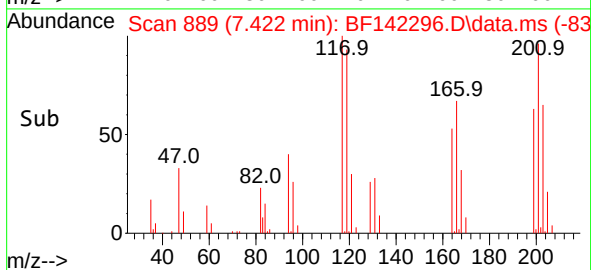
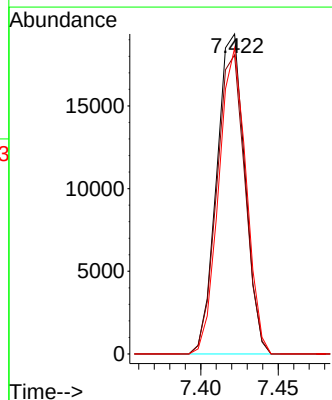
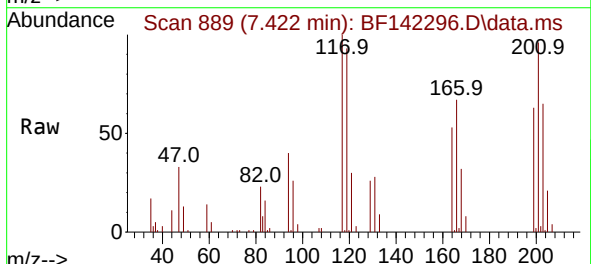
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

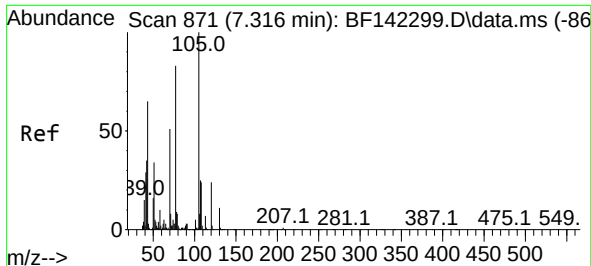
Tgt Ion:	107	Resp:	53481
Ion	Ratio	Lower	Upper
107	100		
108	112.3	91.1	136.7
77	44.6	34.7	52.1
79	42.3	34.5	51.7



#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

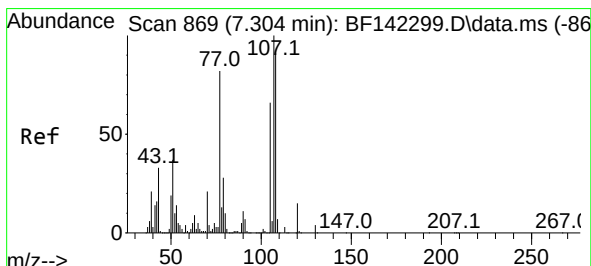
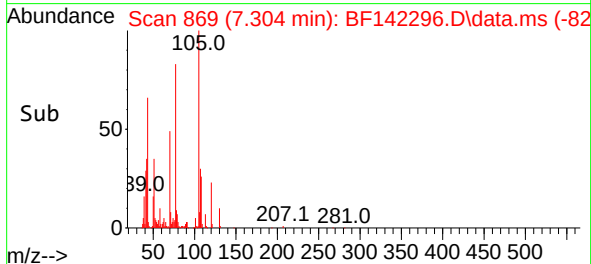
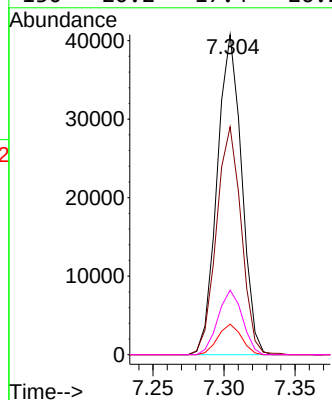
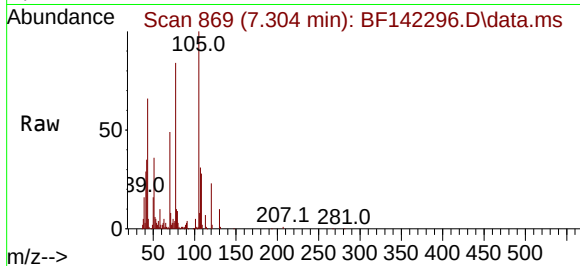




#19
n-Nitroso-di-n-propylamine
Concen: 5.290 ng
RT: 7.304 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

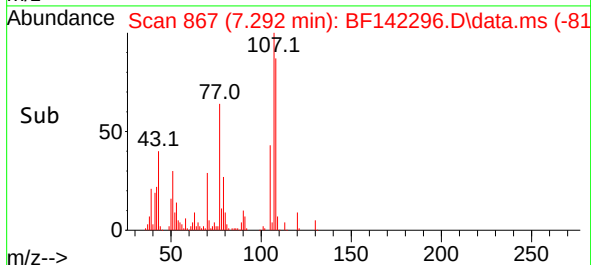
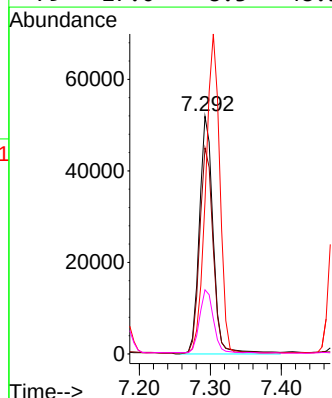
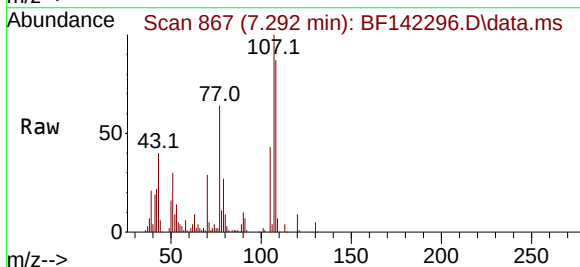
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

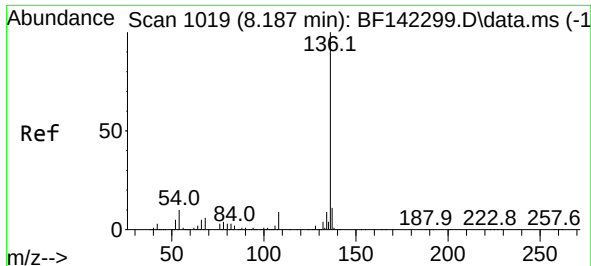
Tgt Ion: 70 Resp: 48843
Ion Ratio Lower Upper
70 100
42 71.2 54.8 82.2
101 9.6 7.7 11.5
130 20.2 17.4 26.2



#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

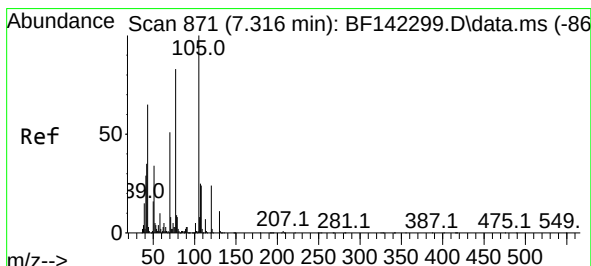
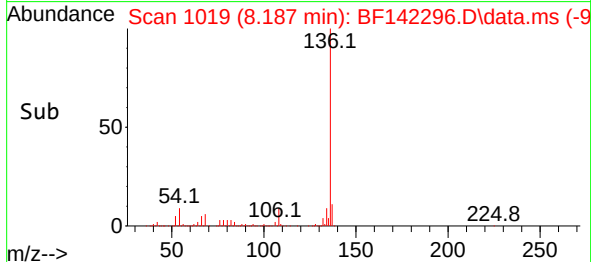
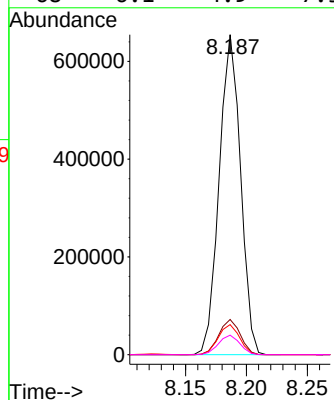
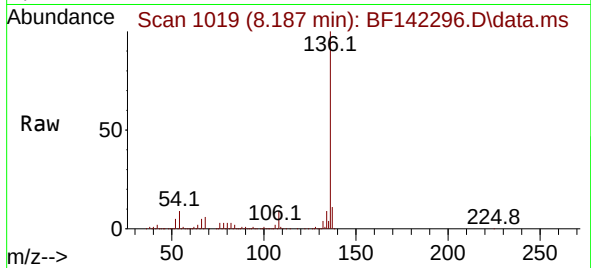




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

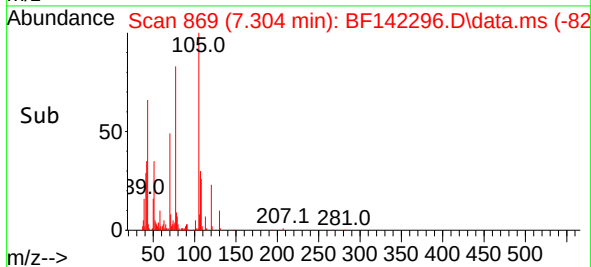
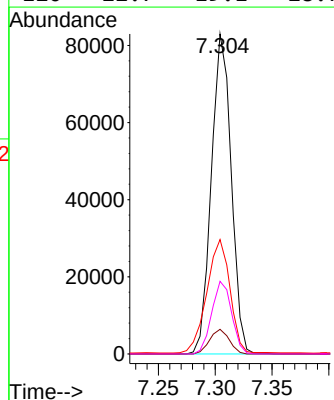
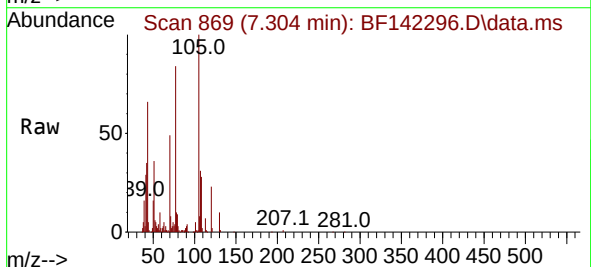
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

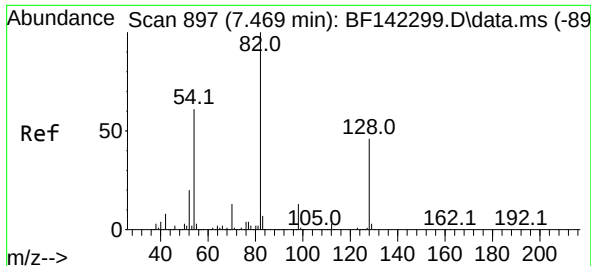
Tgt Ion:136	Resp:	800106	
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.9	13.3
54	9.4	7.7	11.5
68	6.1	4.9	7.3



#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# 895

Delta R.T. -0.012 min

Lab File: BF142296.D

Acq: 05 May 2025 14:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

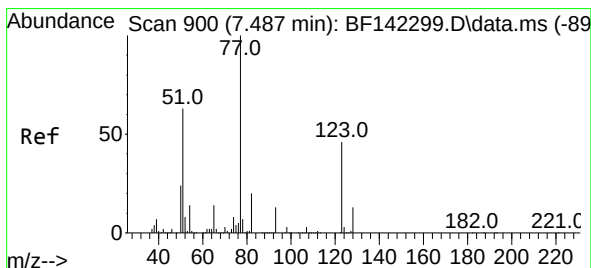
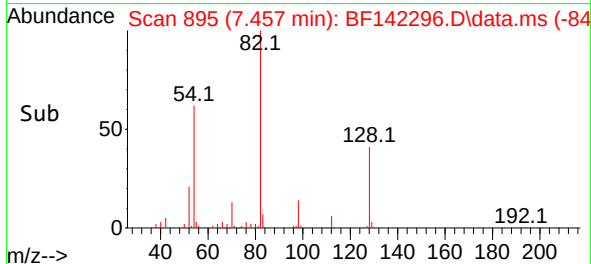
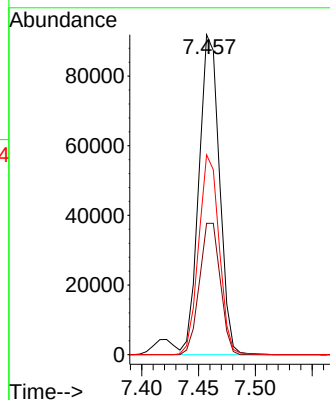
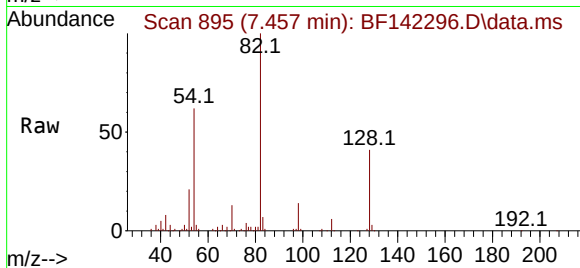
Tgt Ion: 82 Resp: 115545

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

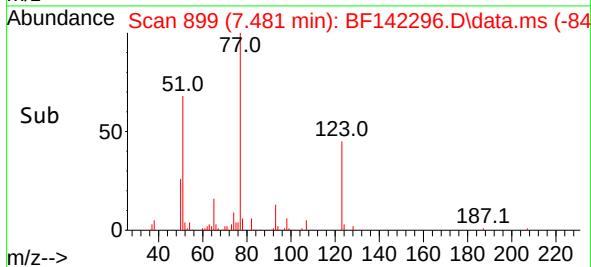
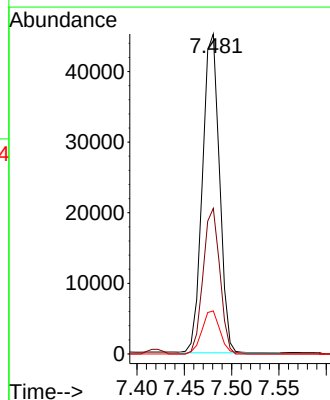
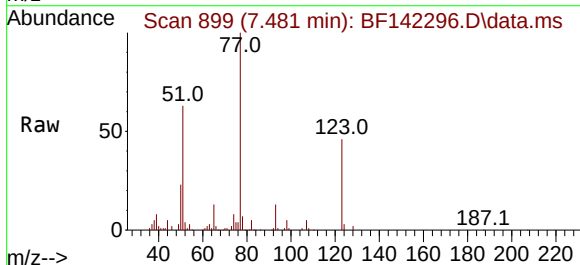
Tgt Ion: 77 Resp: 56276

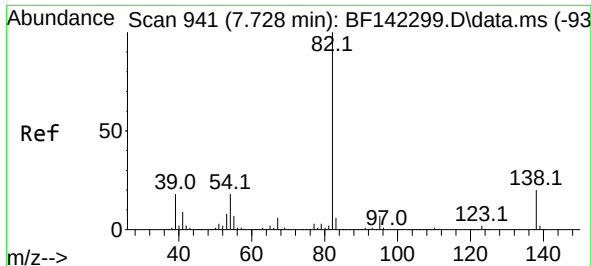
Ion Ratio Lower Upper

77 100

123 45.5 37.8 56.8

65 13.4 11.4 17.0

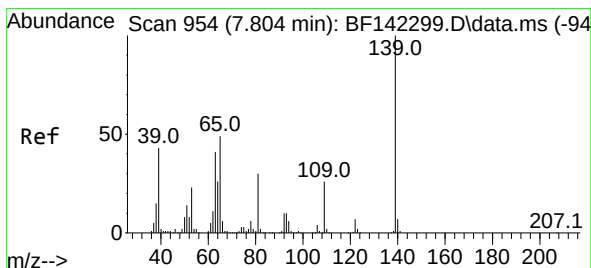
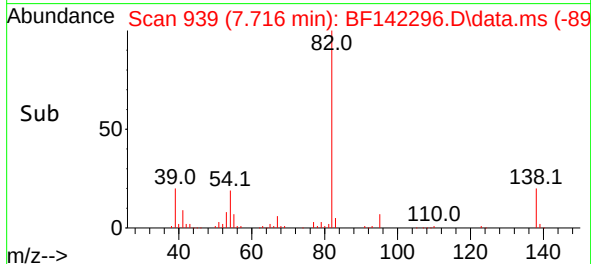
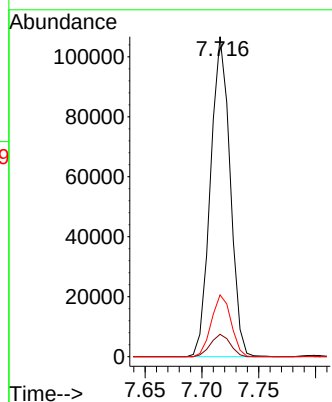
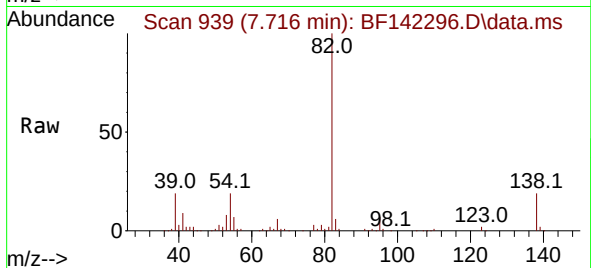




#25
Isophorone
Concen: 5.145 ng
RT: 7.716 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

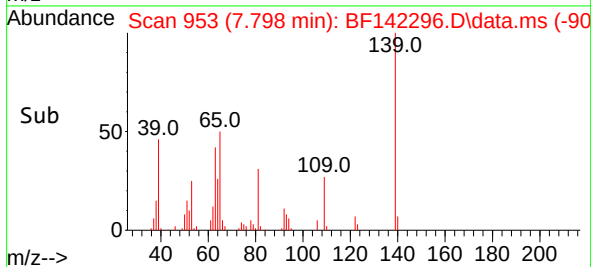
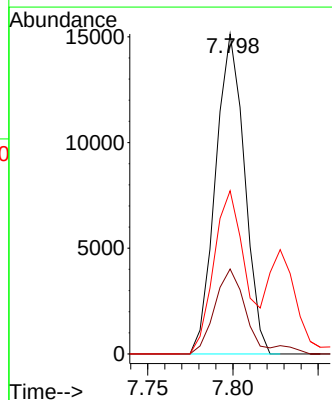
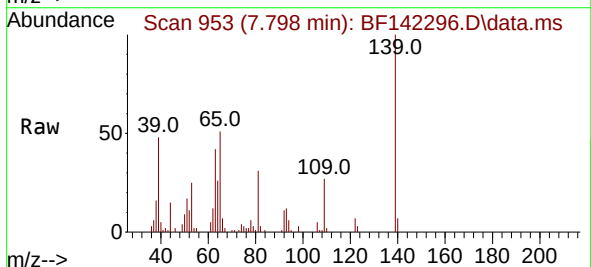
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

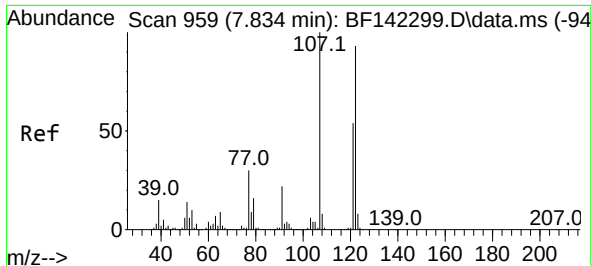
Tgt Ion: 82 Resp: 127812
Ion Ratio Lower Upper
82 100
95 7.0 5.8 8.8
138 19.3 16.1 24.1



#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# 91

Delta R.T. -0.006 min

Lab File: BF142296.D

Acq: 05 May 2025 14:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

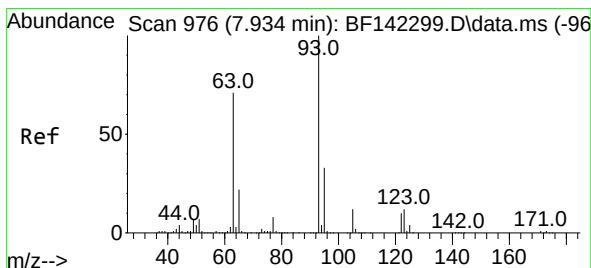
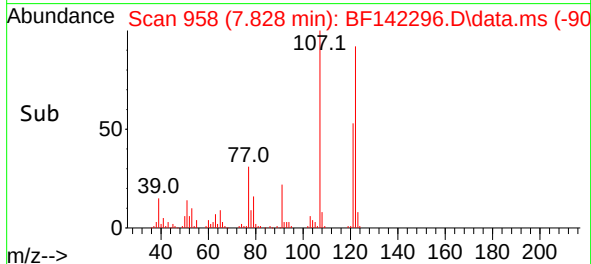
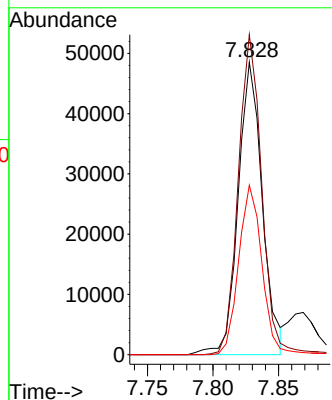
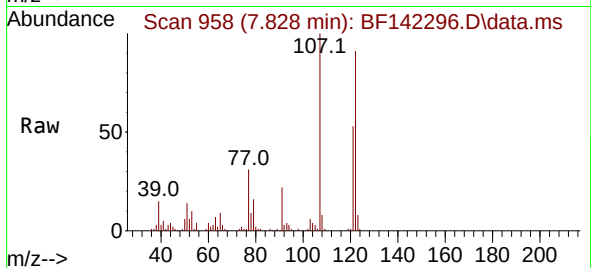
Tgt Ion:122 Resp: 62210

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

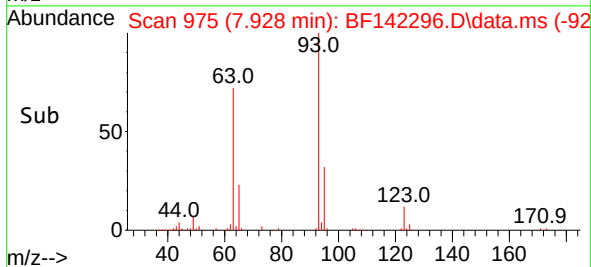
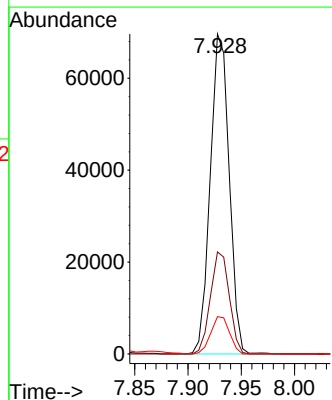
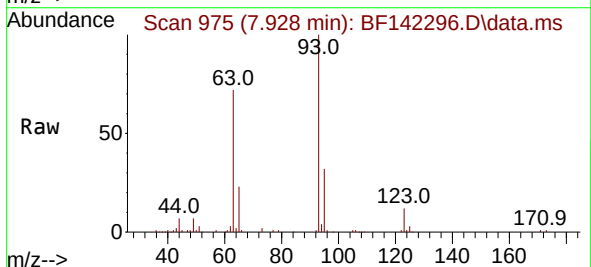
Tgt Ion: 93 Resp: 86020

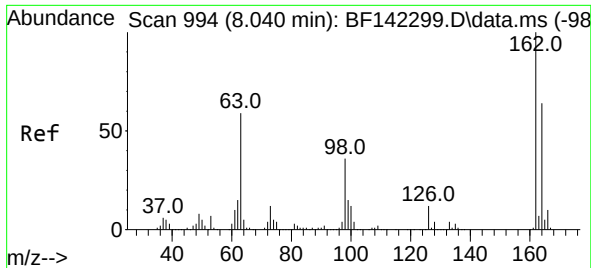
Ion Ratio Lower Upper

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# 994

Delta R.T. -0.006 min

Lab File: BF142296.D

Acq: 05 May 2025 14:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

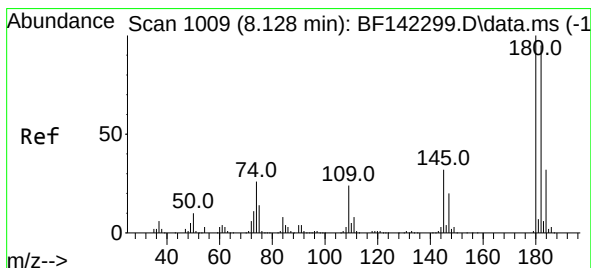
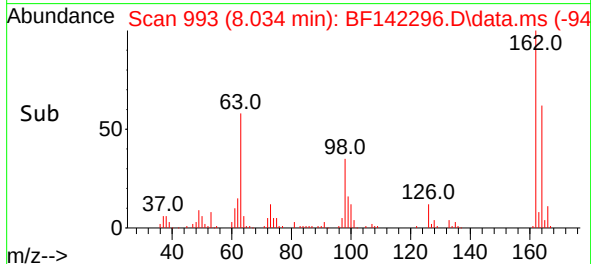
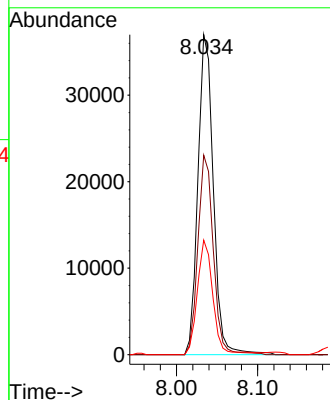
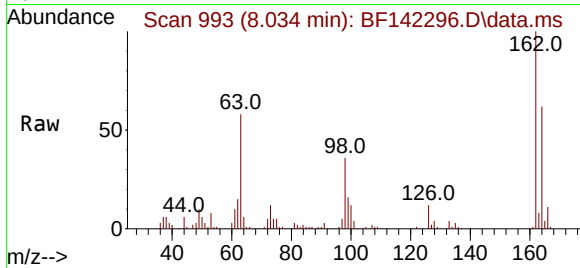
Tgt Ion:162 Resp: 49005

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

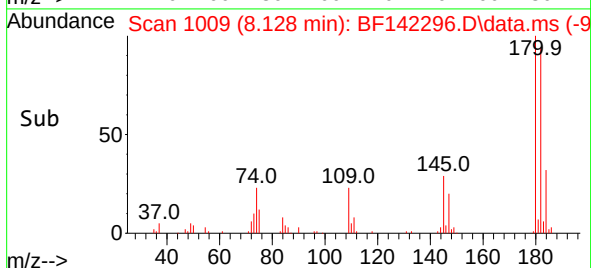
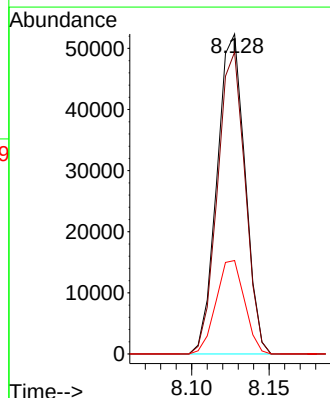
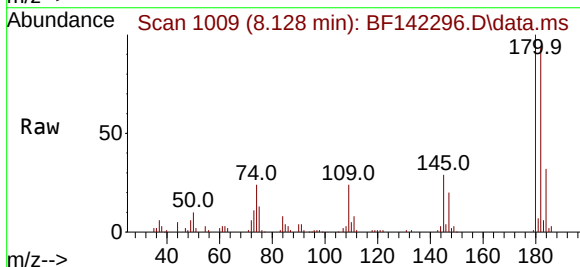
Tgt Ion:180 Resp: 65738

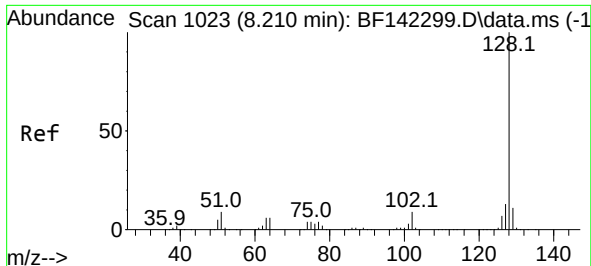
Ion Ratio Lower Upper

180 100

182 94.3 76.2 114.4

145 29.2 25.8 38.6

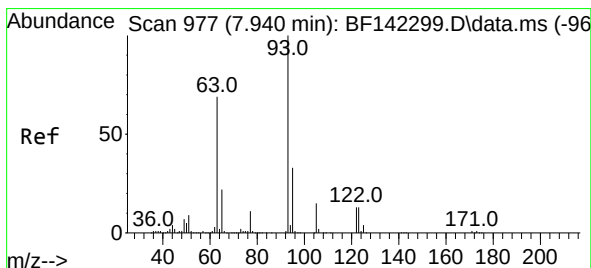
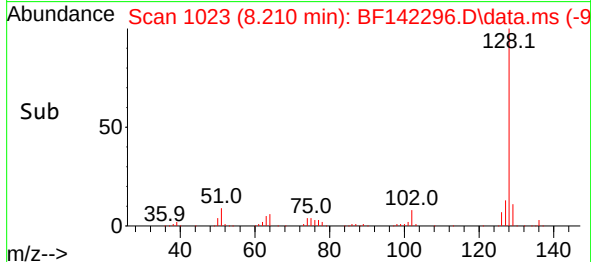
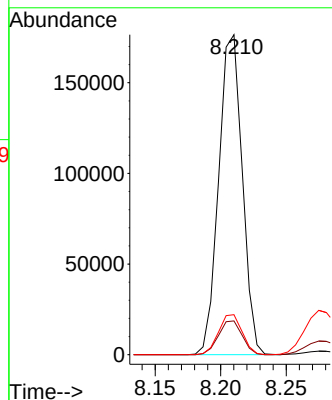
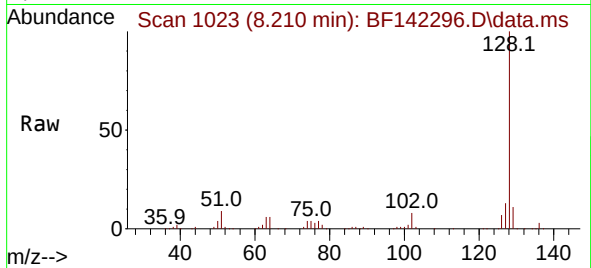




#31
Naphthalene
Concen: 5.684 ng
RT: 8.210 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

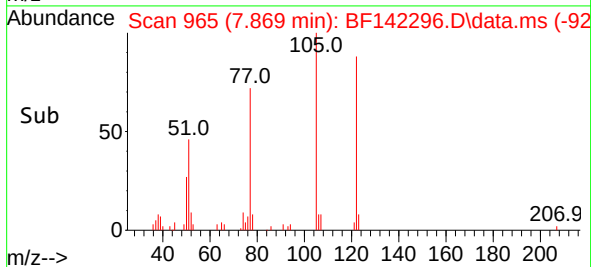
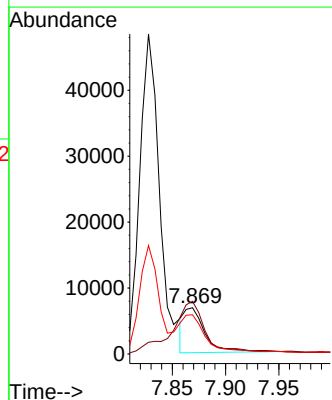
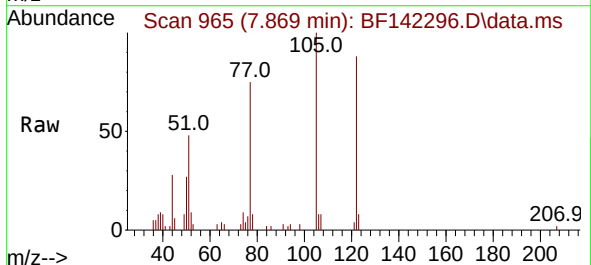
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

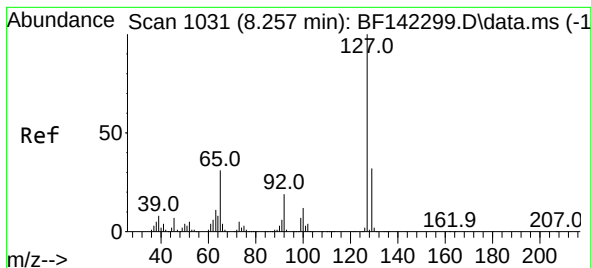
Tgt Ion:128 Resp: 220404
Ion Ratio Lower Upper
128 100
129 10.6 9.1 13.7
127 12.5 10.5 15.7



#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# 1031

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

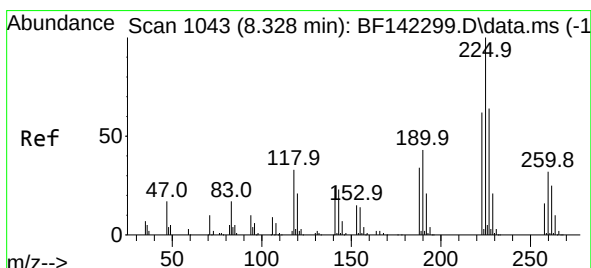
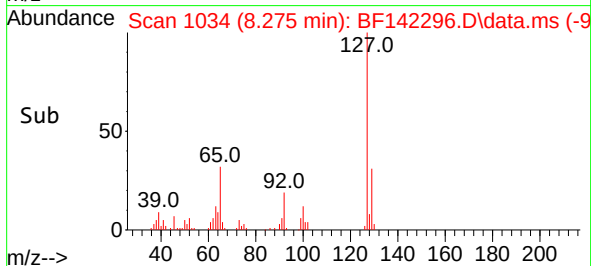
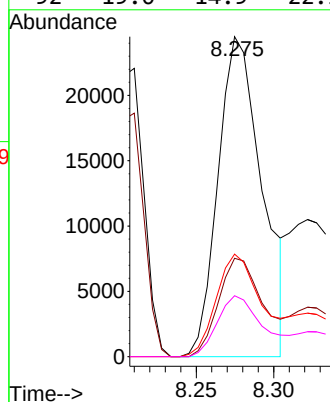
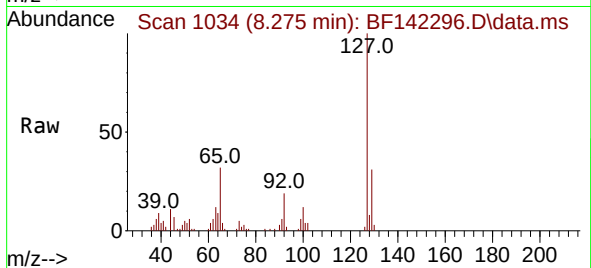
Ion Ratio Lower Upper

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

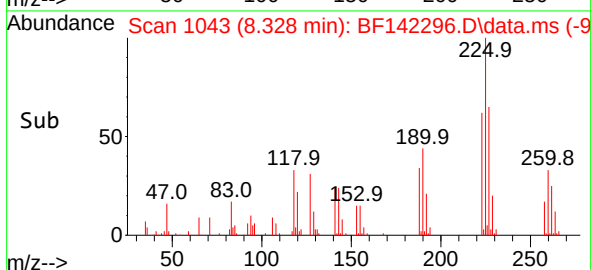
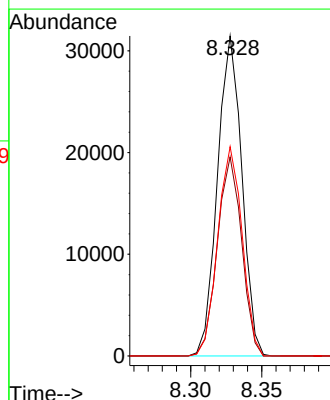
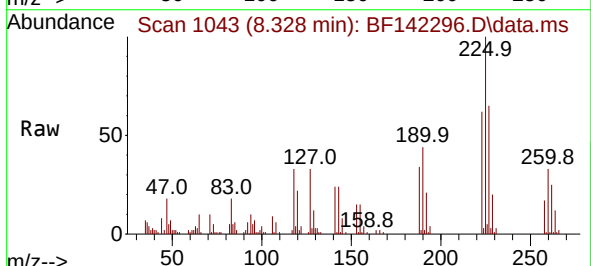
Tgt Ion:225 Resp: 37522

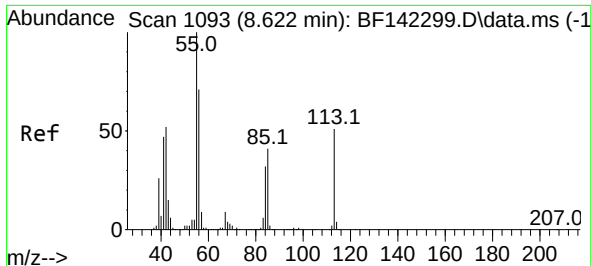
Ion Ratio Lower Upper

225 100

223 62.2 49.8 74.6

227 65.4 50.9 76.3

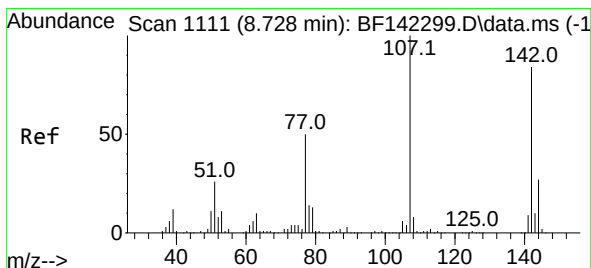
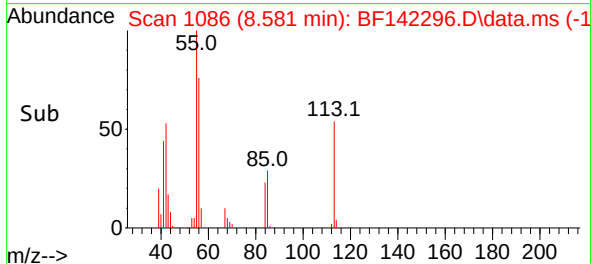
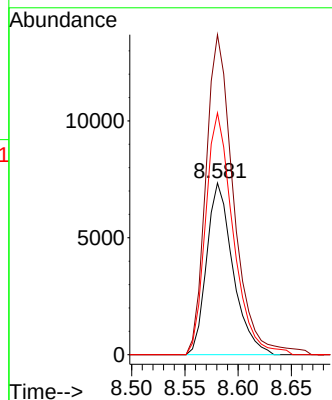
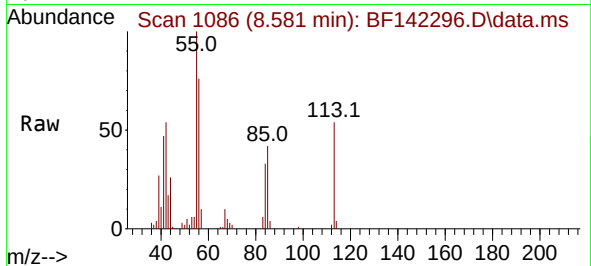




#35
 Caprolactam
 Concen: 4.085 ng
 RT: 8.581 min Scan# 1108
 Delta R.T. -0.041 min
 Lab File: BF142296.D
 Acq: 05 May 2025 14:23

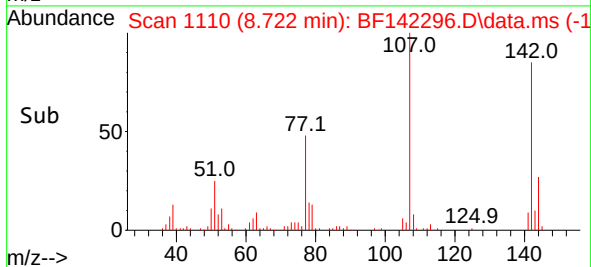
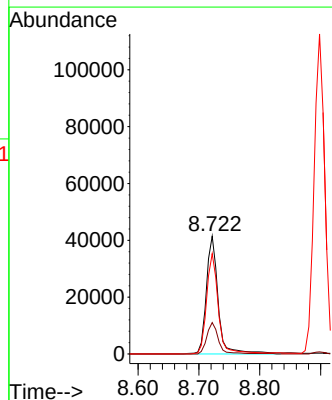
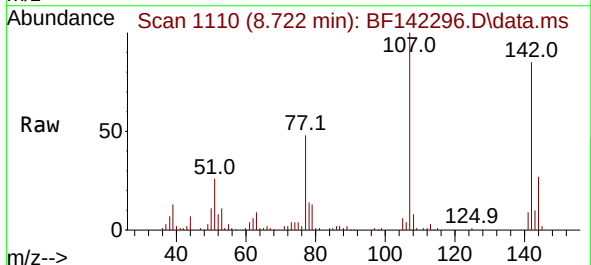
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

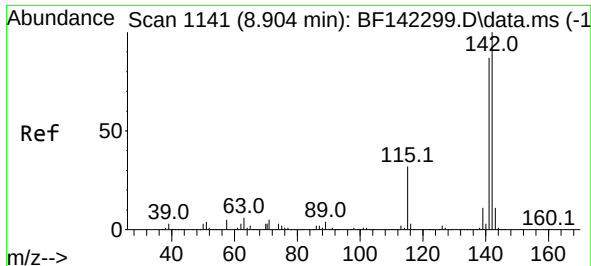
Tgt Ion:113 Resp: 12615
 Ion Ratio Lower Upper
 113 100
 55 186.4 176.4 216.4
 56 140.8 120.3 160.3



#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# 1141

Delta R.T. -0.006 min

Lab File: BF142296.D

Acq: 05 May 2025 14:23

Instrument :

BNA_F

ClientSampleId :

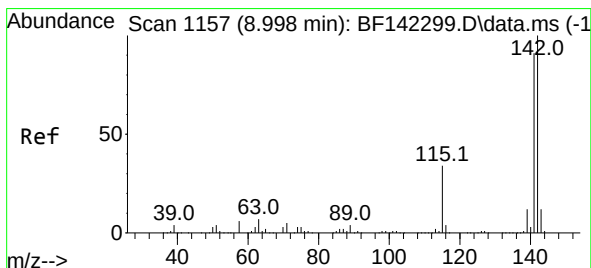
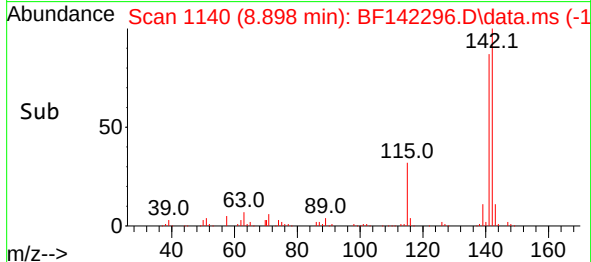
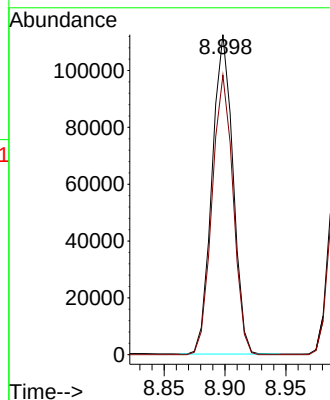
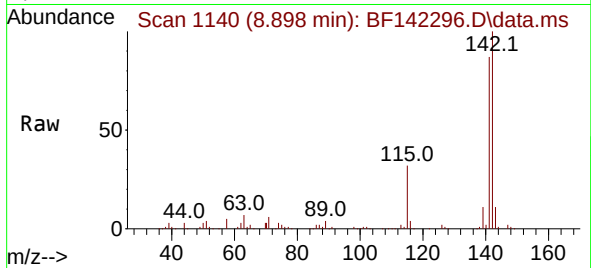
SSTDICC005

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

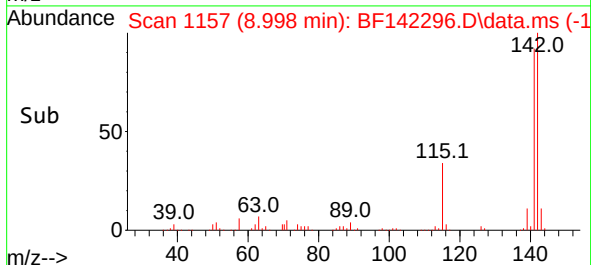
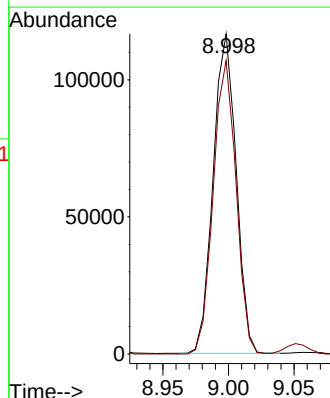
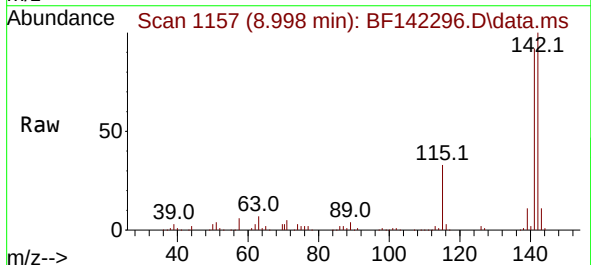
Acq: 05 May 2025 14:23

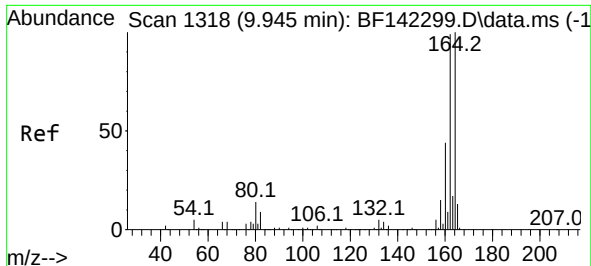
Tgt Ion:142 Resp: 141952

Ion Ratio Lower Upper

142 100

141 91.6 72.5 108.7

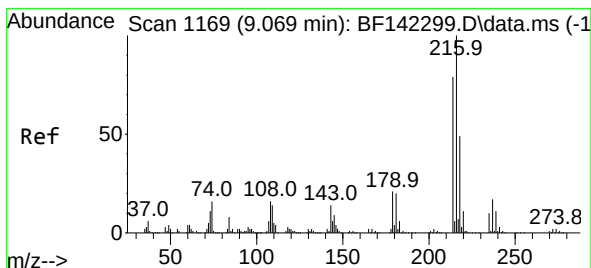
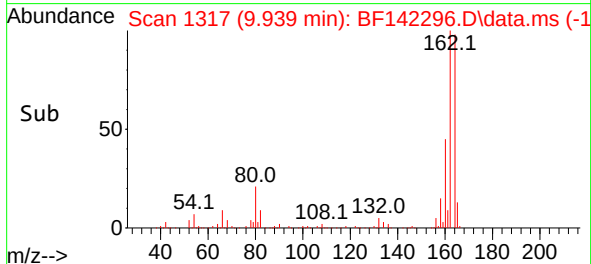
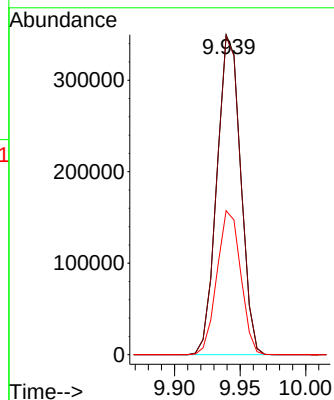
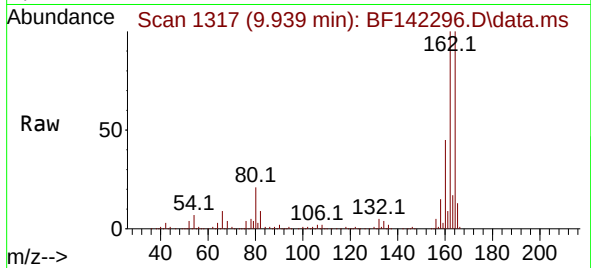




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1117
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

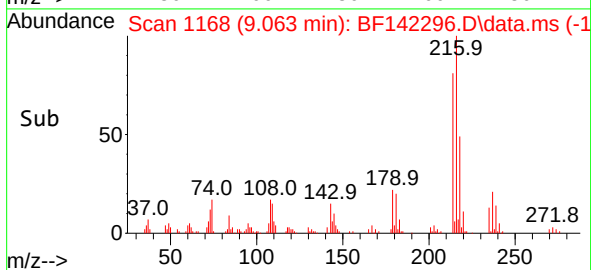
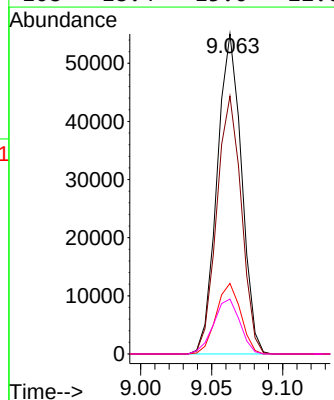
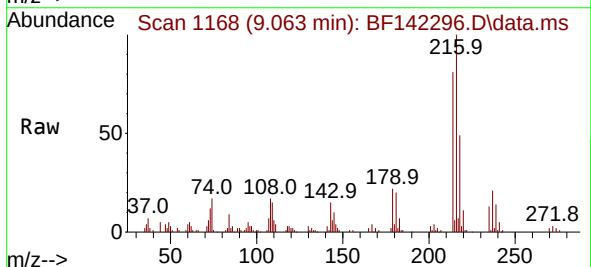
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

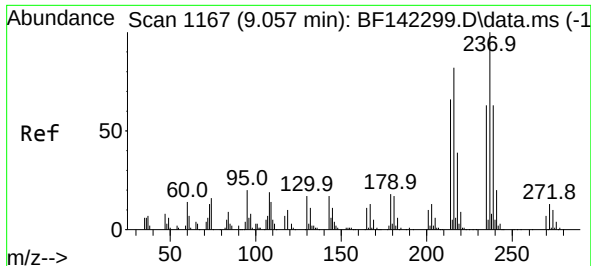
Tgt Ion:164 Resp: 439288
Ion Ratio Lower Upper
164 100
162 99.6 79.2 118.8
160 45.0 35.3 52.9



#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

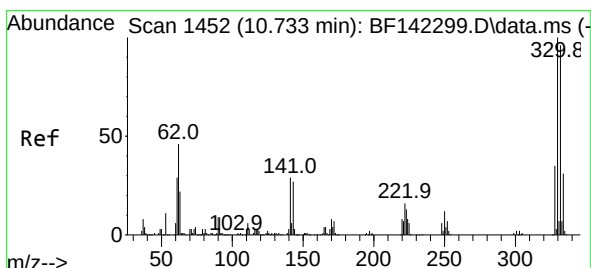
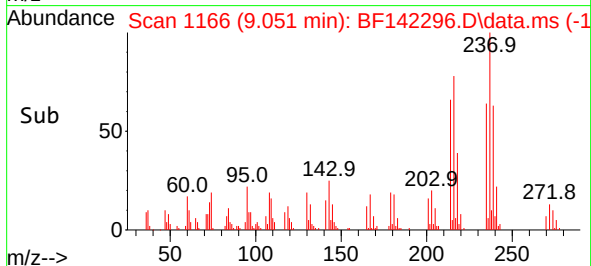
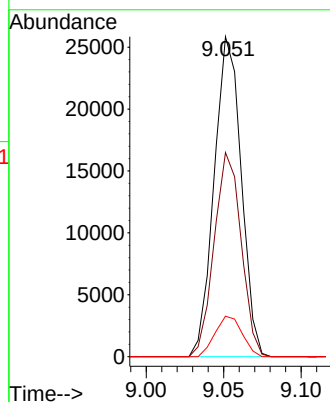
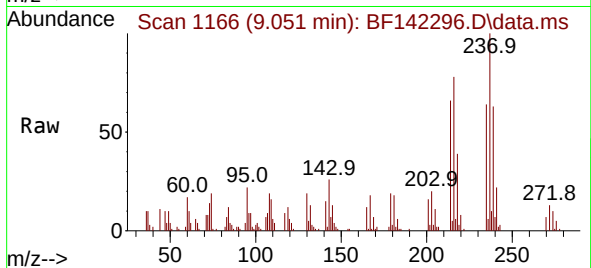




#41
Hexachlorocyclopentadiene
Concen: 4.140 ng
RT: 9.051 min Scan# 1166
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

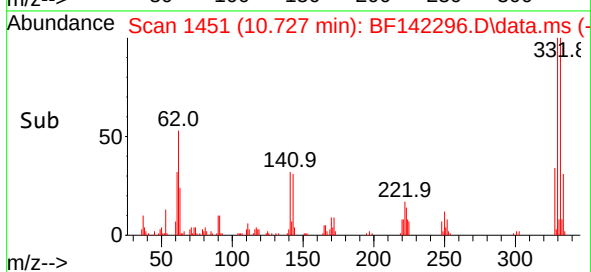
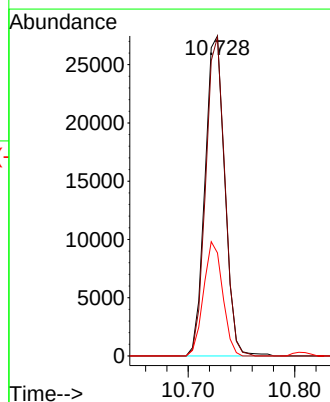
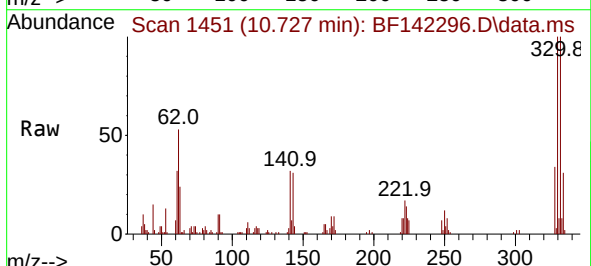
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

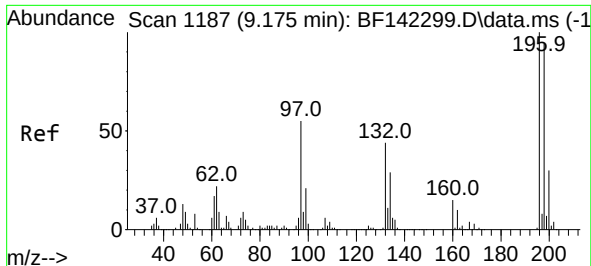
Tgt Ion:237 Resp: 31389
Ion Ratio Lower Upper
237 100
235 63.8 42.8 82.8
272 12.7 0.0 33.0



#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

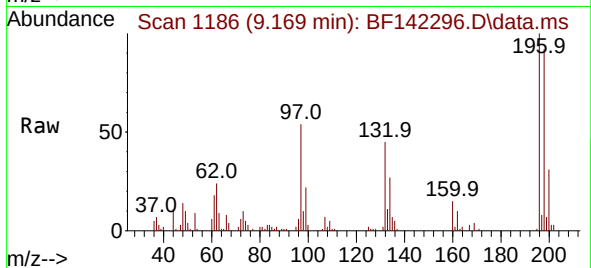
Tgt Ion:330 Resp: 35296
Ion Ratio Lower Upper
330 100
332 96.3 76.8 115.2
141 34.6 24.9 37.3



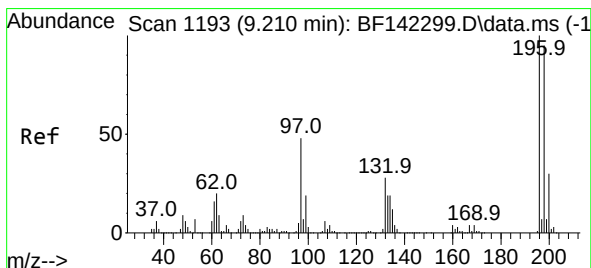
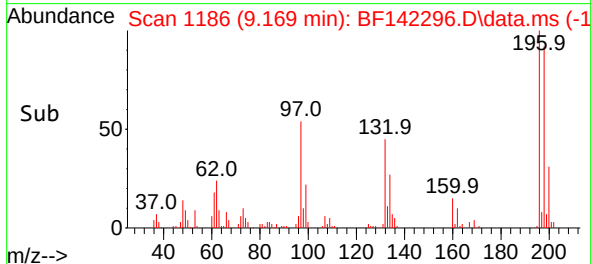
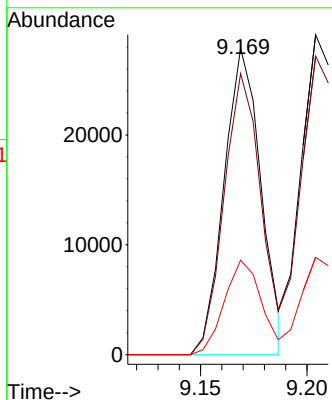


#43
2,4,6-Trichlorophenol
Concen: 4.346 ng
RT: 9.169 min Scan# 1186
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

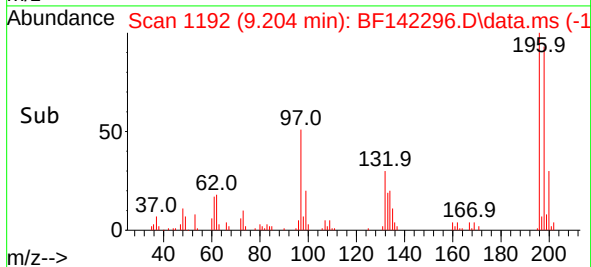
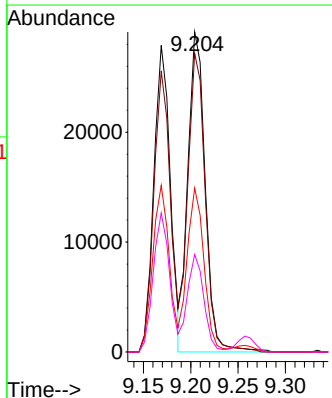
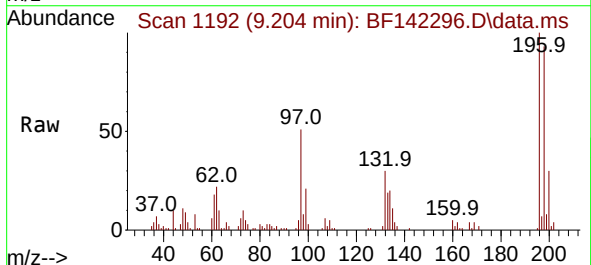


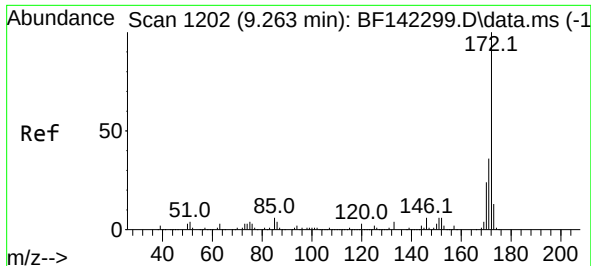
Tgt Ion:196 Resp: 33630
Ion Ratio Lower Upper
196 100
198 91.7 75.4 113.0
200 30.8 24.3 36.5



#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# 11

Delta R.T. -0.006 min

Lab File: BF142296.D

Acq: 05 May 2025 14:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

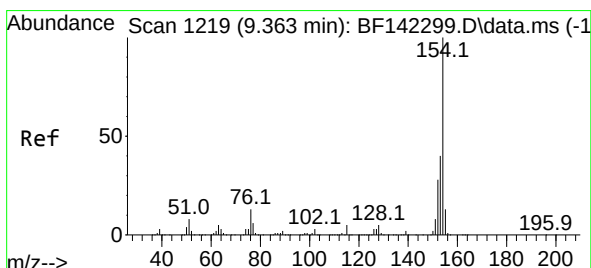
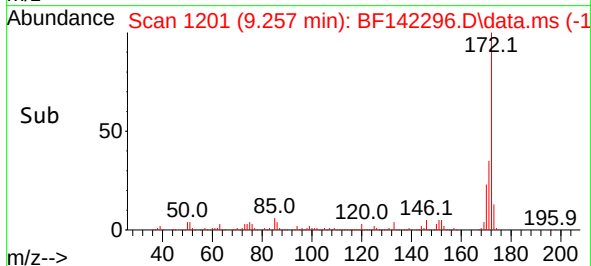
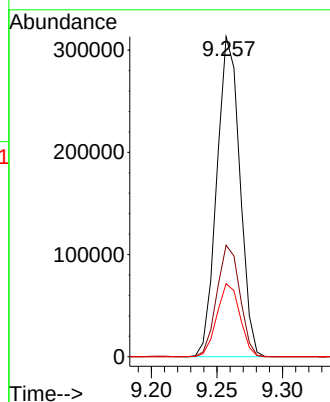
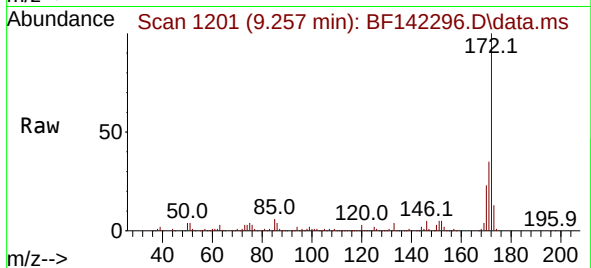
Tgt Ion:172 Resp: 381508

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

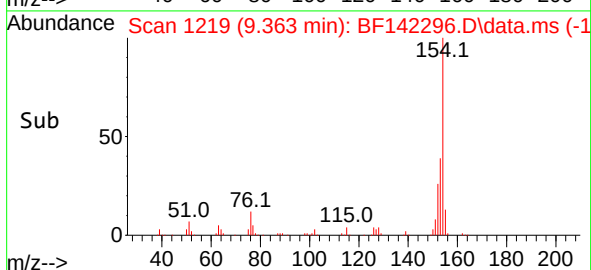
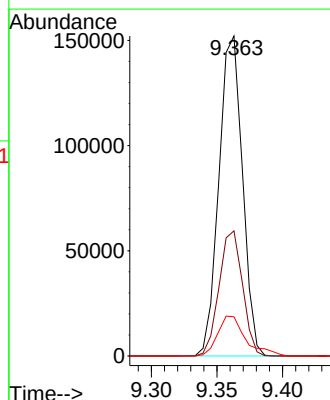
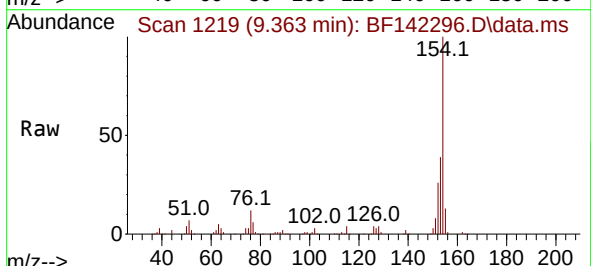
Tgt Ion:154 Resp: 189666

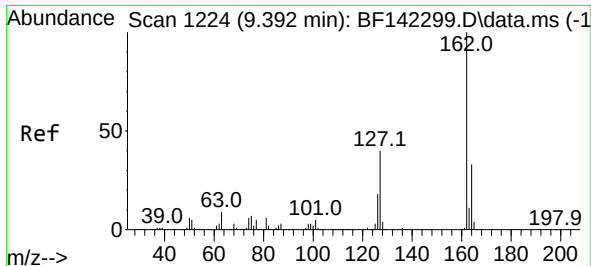
Ion Ratio Lower Upper

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# 11

Delta R.T. -0.006 min

Lab File: BF142296.D

Acq: 05 May 2025 14:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

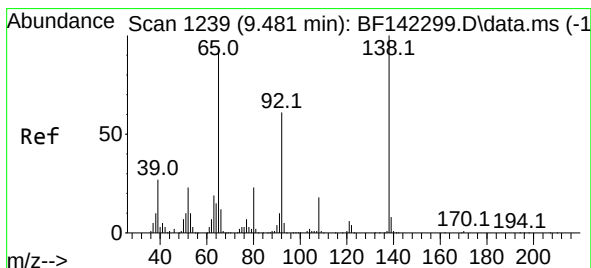
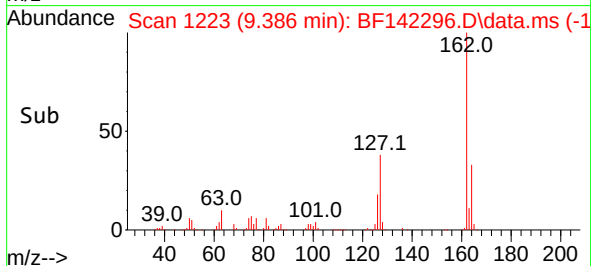
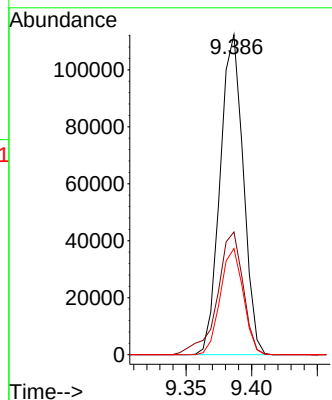
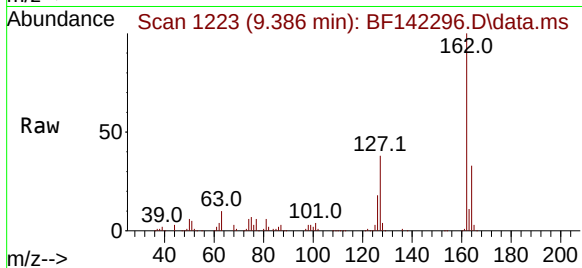
Tgt Ion:162 Resp: 137929

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

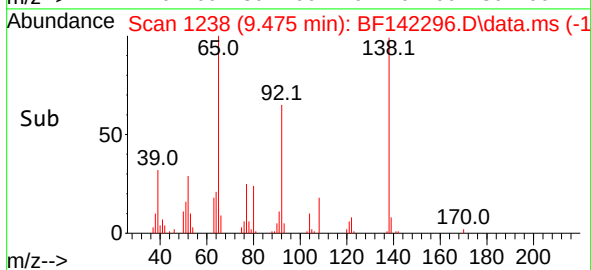
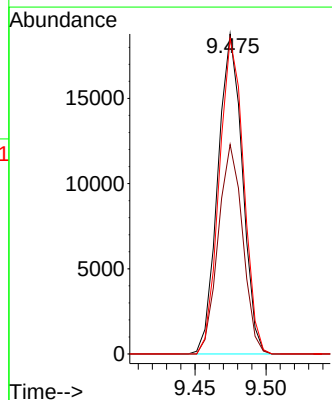
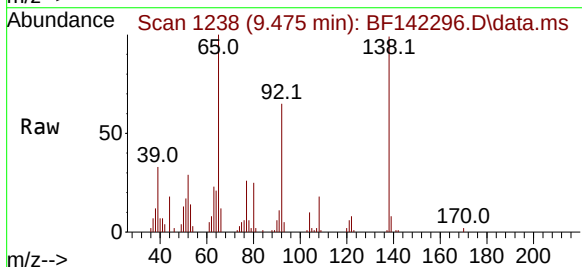
Tgt Ion: 65 Resp: 22539

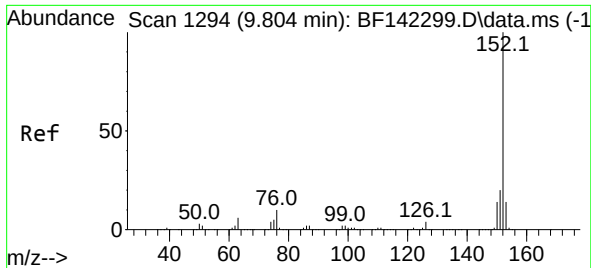
Ion Ratio Lower Upper

65 100

92 65.5 52.3 78.5

138 98.7 85.6 128.4

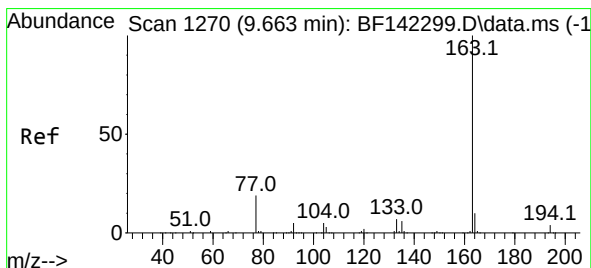
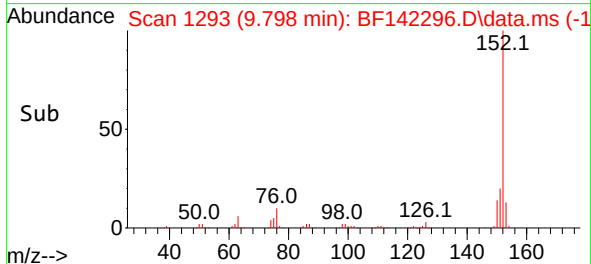
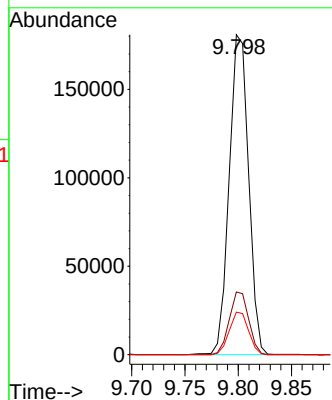
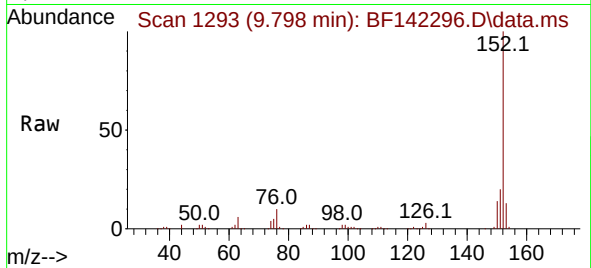




#49
Acenaphthylene
Concen: 5.460 ng
RT: 9.798 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

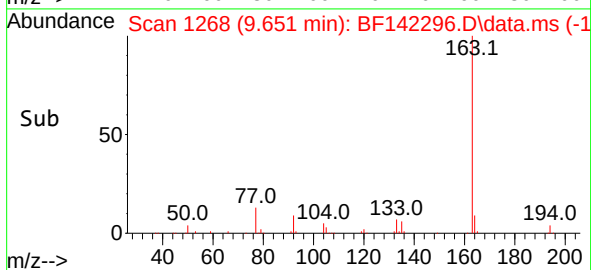
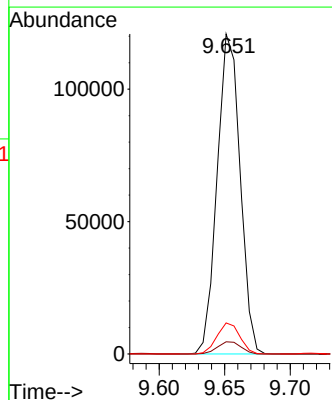
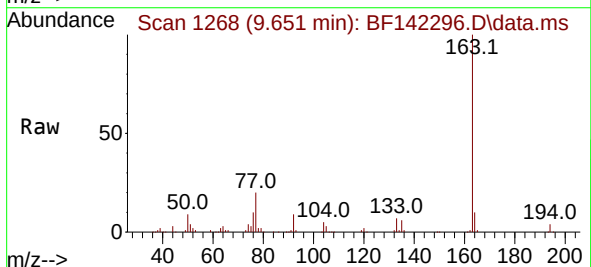
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

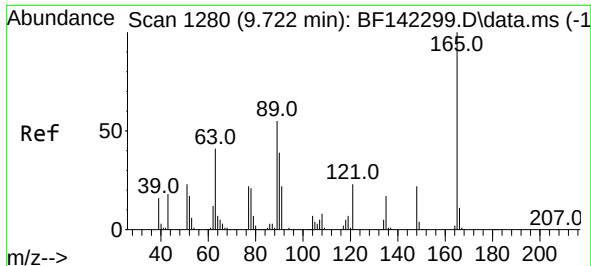
Tgt Ion:152 Resp: 228773
Ion Ratio Lower Upper
152 100
151 19.6 16.0 24.0
153 13.3 10.8 16.2



#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# 11

Delta R.T. -0.006 min

Lab File: BF142296.D

Acq: 05 May 2025 14:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

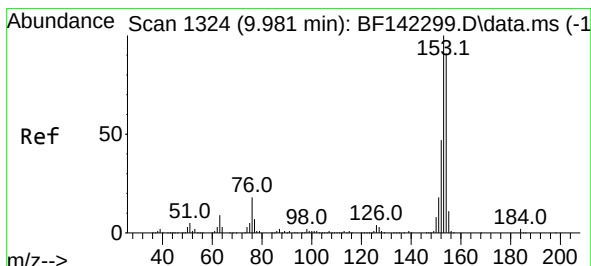
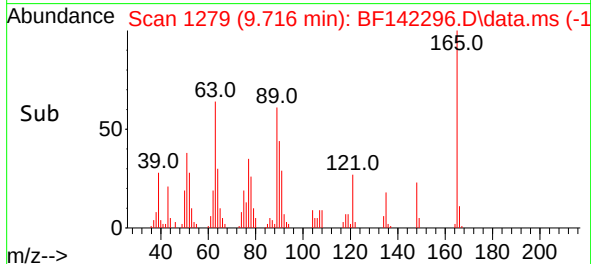
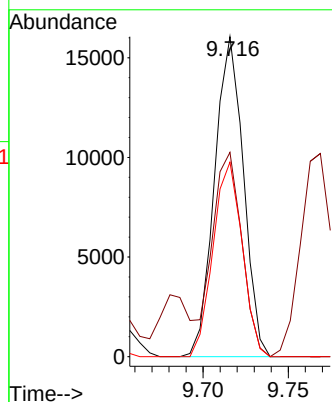
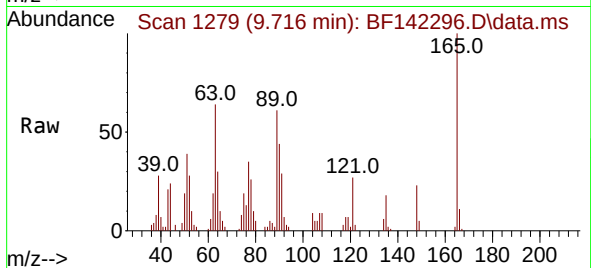
Tgt Ion:165 Resp: 18933

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

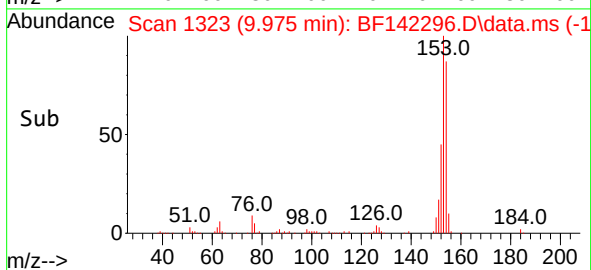
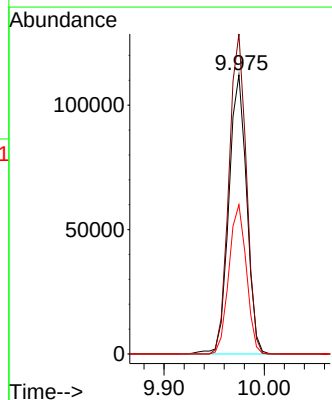
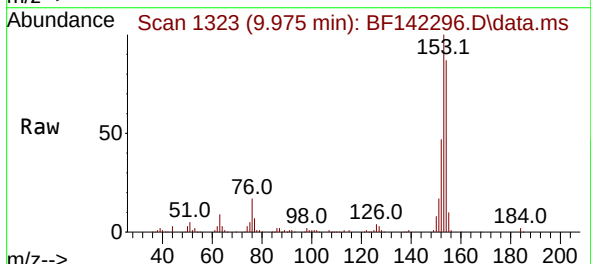
Tgt Ion:154 Resp: 138379

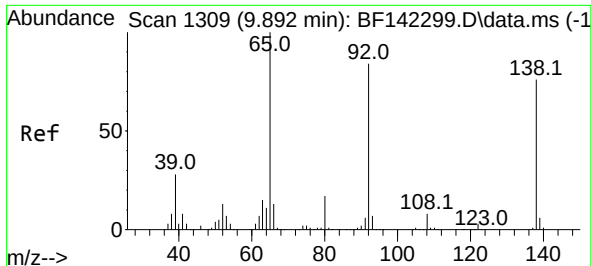
Ion Ratio Lower Upper

154 100

153 114.7 88.0 132.0

152 53.5 41.6 62.4

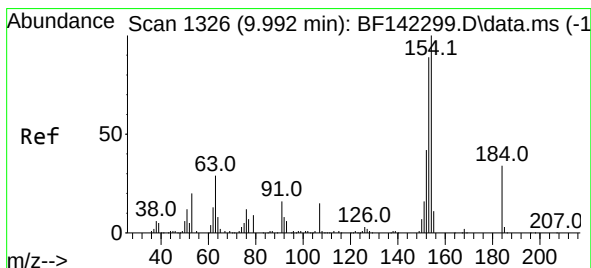
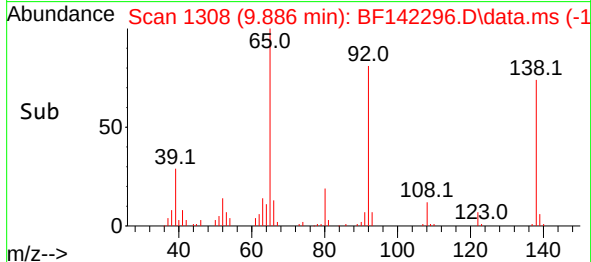
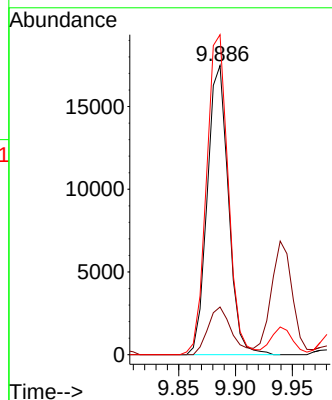
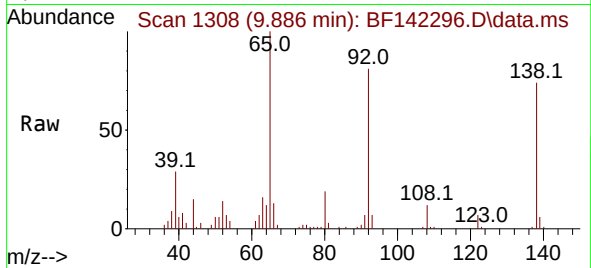




#53
3-Nitroaniline
Concen: 3.659 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

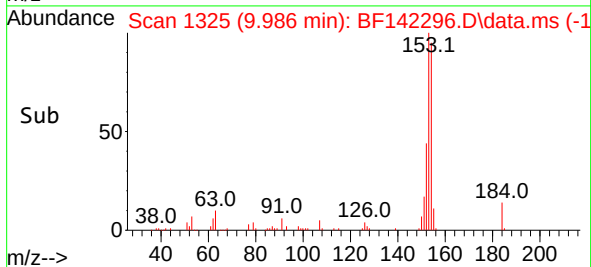
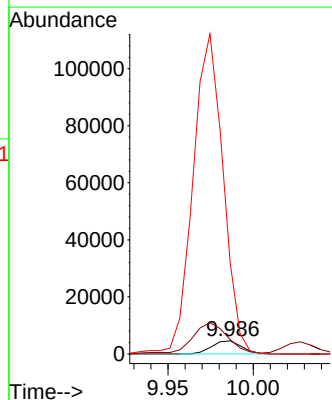
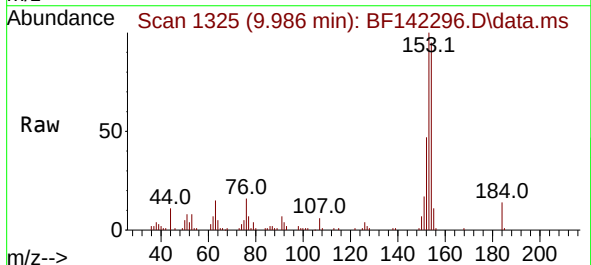
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

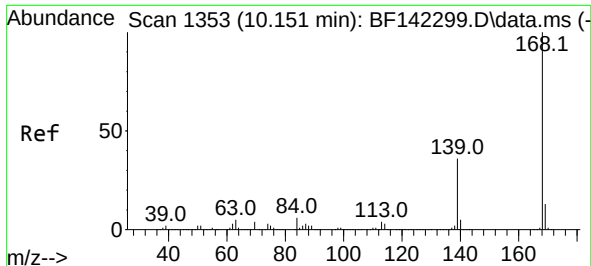
Tgt Ion:138 Resp: 22656
Ion Ratio Lower Upper
138 100
108 16.5 8.7 13.1#
92 110.7 89.5 134.3



#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#

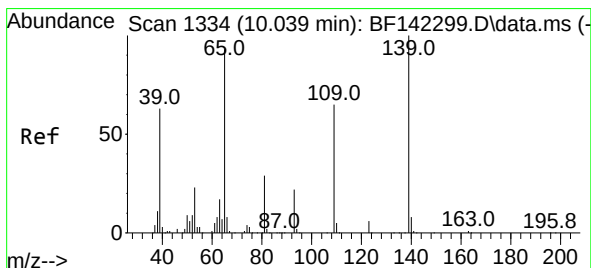
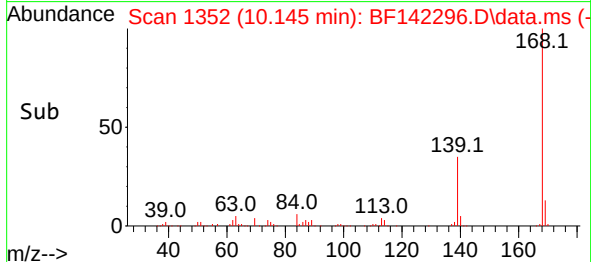
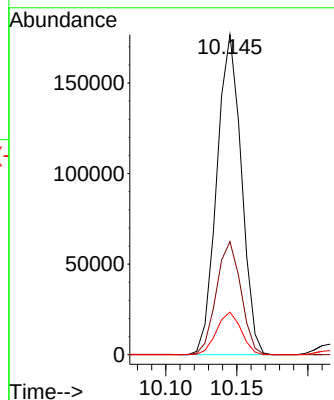
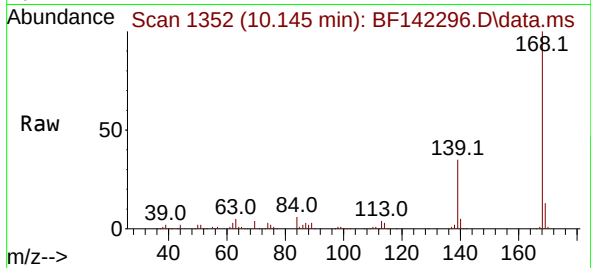




#55
Dibenzenofuran
Concen: 5.706 ng
RT: 10.145 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

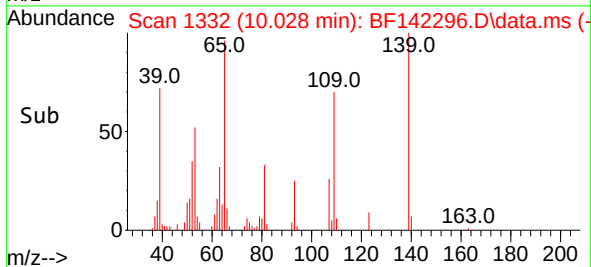
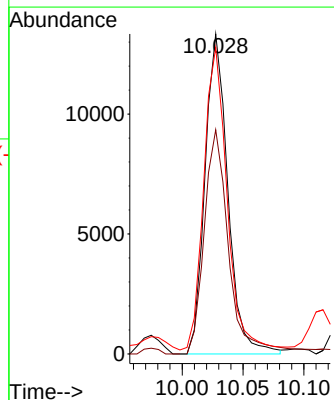
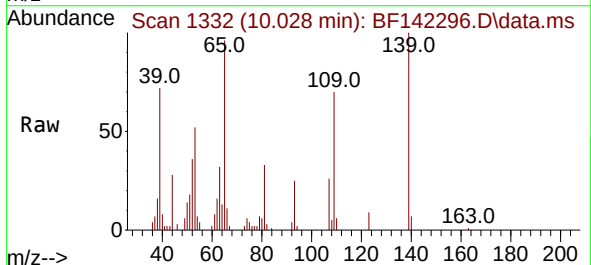
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

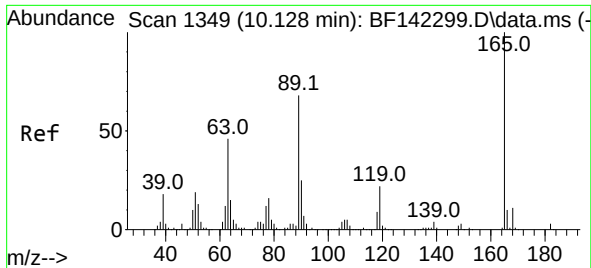
Tgt Ion:168 Resp: 212190
Ion Ratio Lower Upper
168 100
139 35.3 29.0 43.4
169 13.3 10.7 16.1



#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

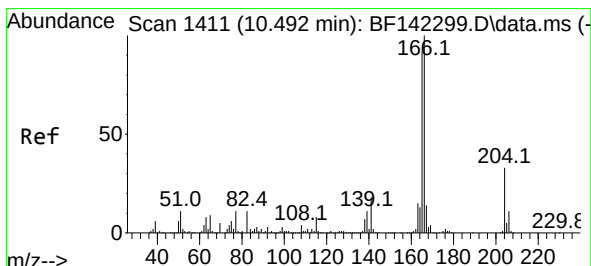
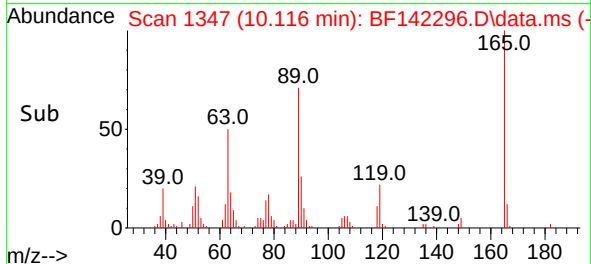
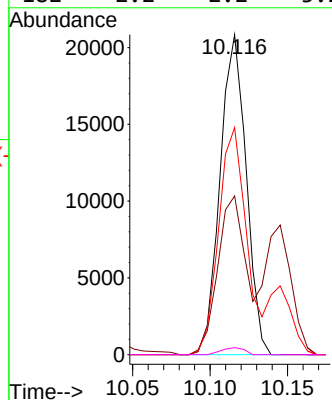
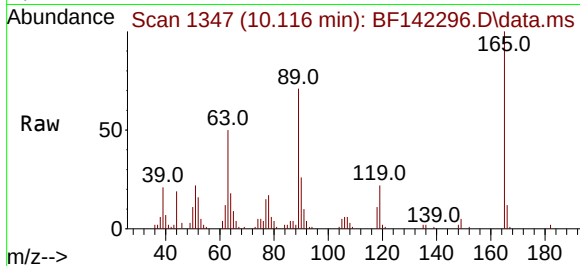




#57
2,4-Dinitrotoluene
Concen: 3.605 ng
RT: 10.116 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

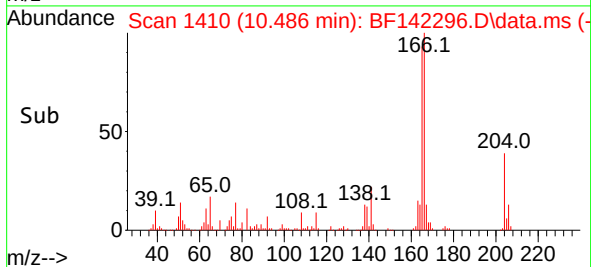
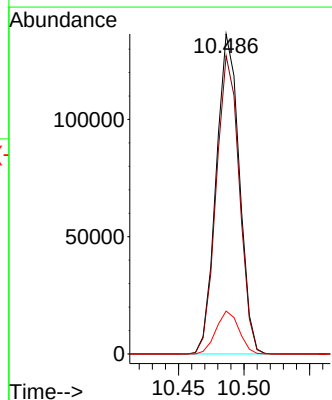
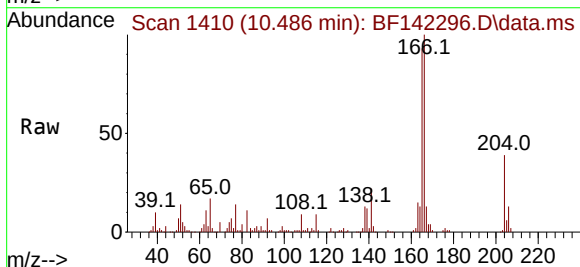
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

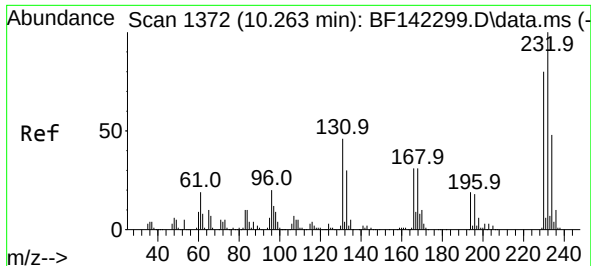
Tgt Ion:165 Resp: 24415
Ion Ratio Lower Upper
165 100
63 49.6 37.1 55.7
89 71.0 54.4 81.6
182 2.2 2.2 3.2



#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# 1371

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

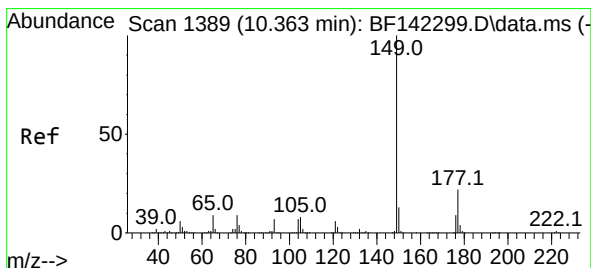
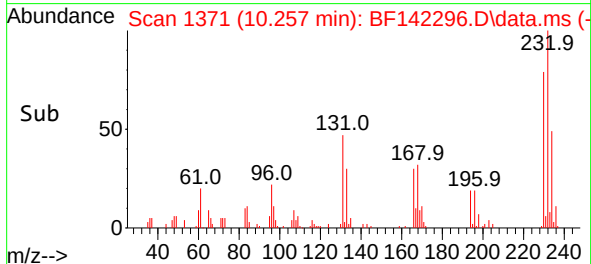
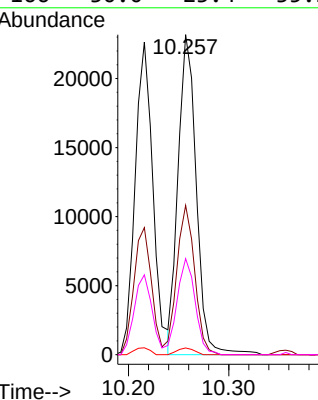
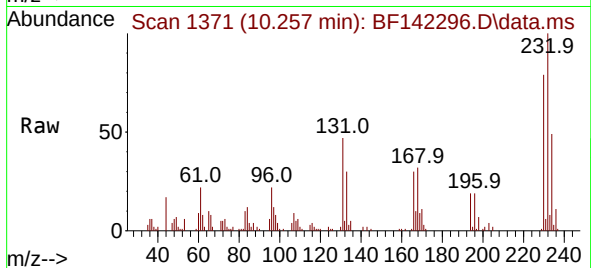
Ion Ratio Lower Upper

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

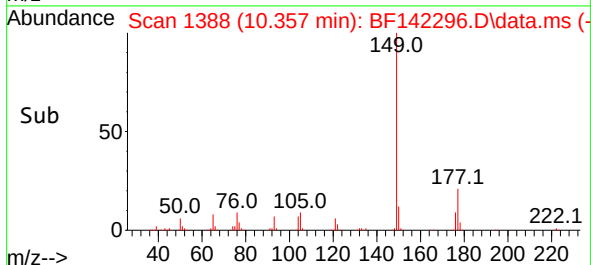
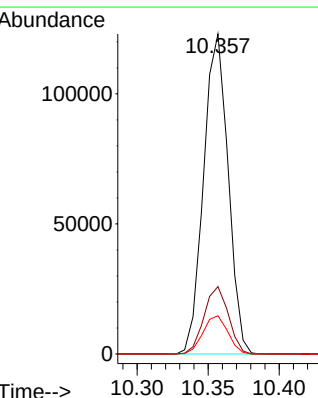
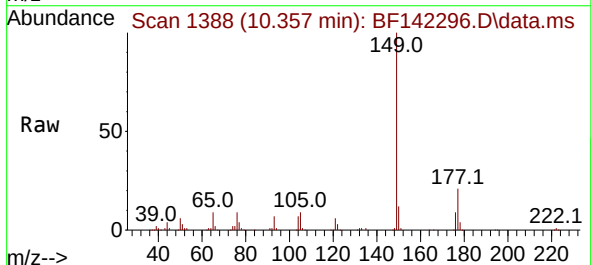
Tgt Ion:149 Resp: 147649

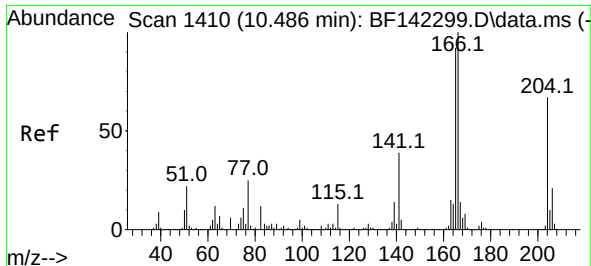
Ion Ratio Lower Upper

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# 1410

Delta R.T. -0.006 min

Lab File: BF142296.D

Acq: 05 May 2025 14:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

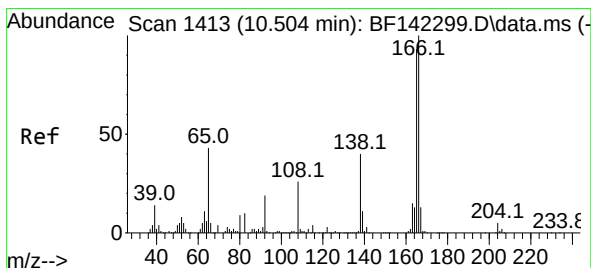
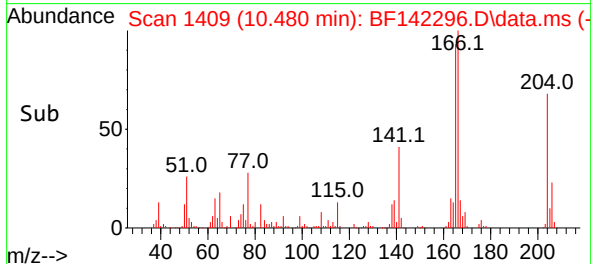
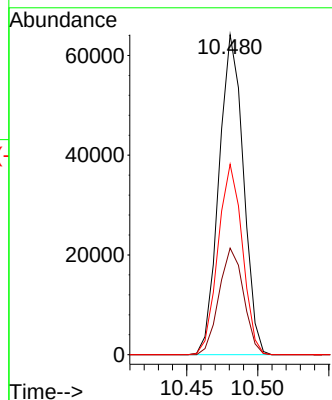
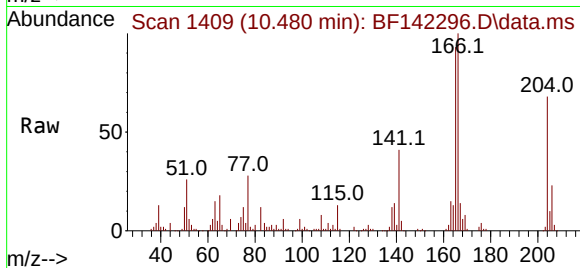
Tgt Ion:204 Resp: 76782

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

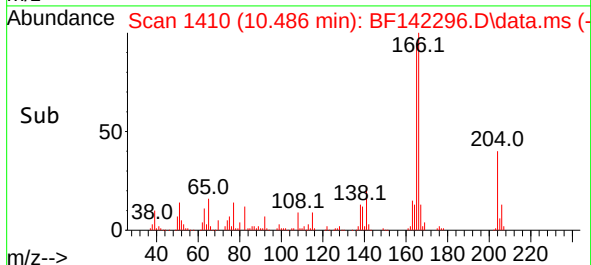
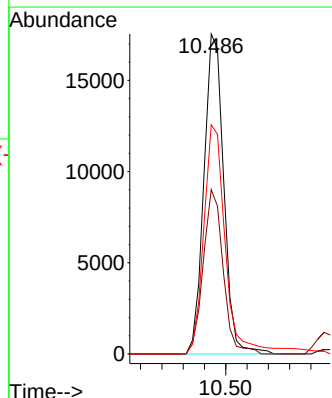
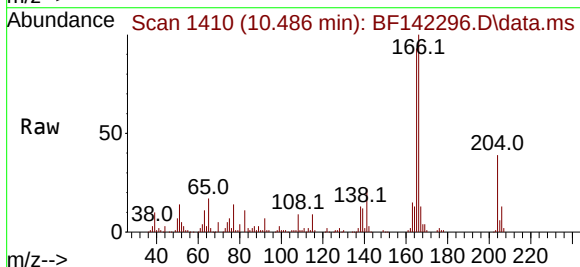
Tgt Ion:138 Resp: 22736

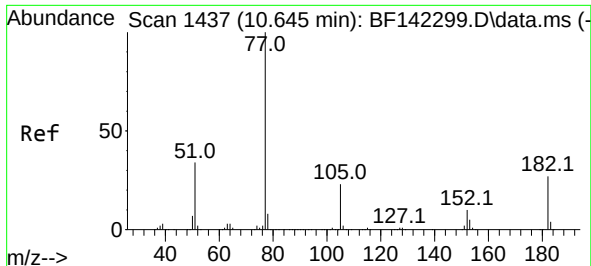
Ion Ratio Lower Upper

138 100

92 51.4 27.3 67.3

108 71.6 45.1 85.1

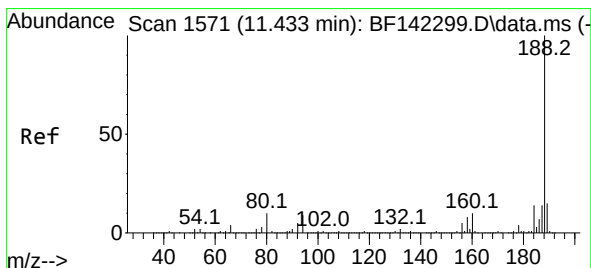
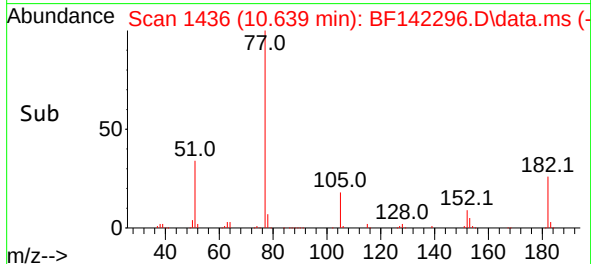
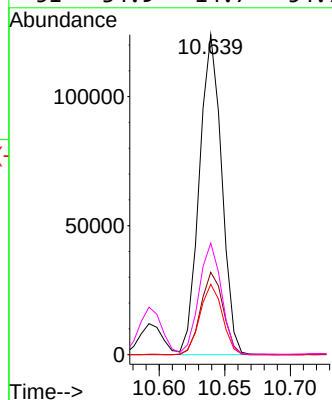
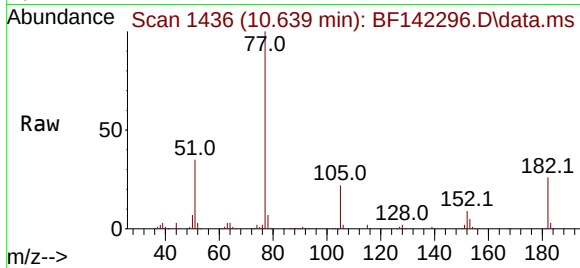




#63
Azobenzene
Concen: 5.460 ng
RT: 10.639 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

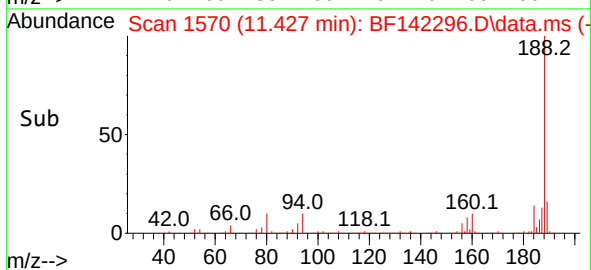
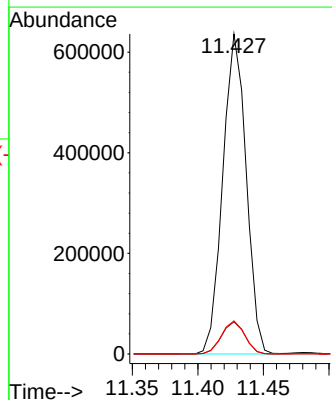
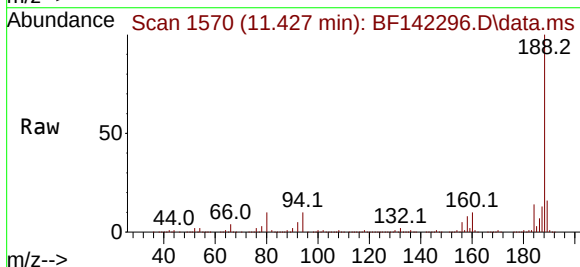
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

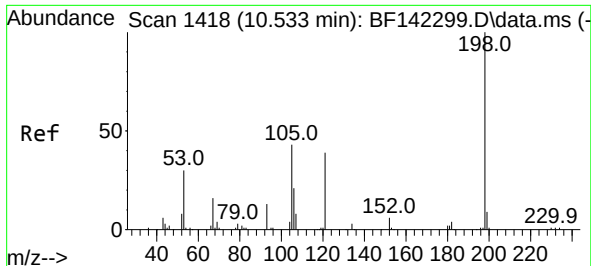
Tgt Ion: 77	Resp: 146968
Ion Ratio	Lower Upper
77 100	
182 25.7	6.9 46.9
105 22.0	2.7 42.7
51 34.9	14.7 54.7



#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	

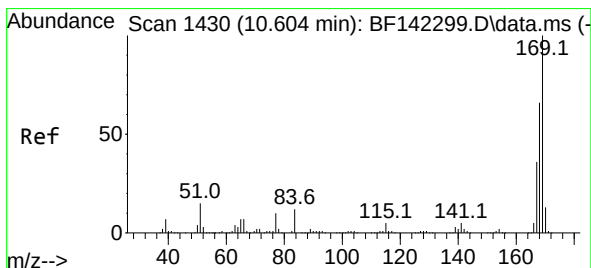
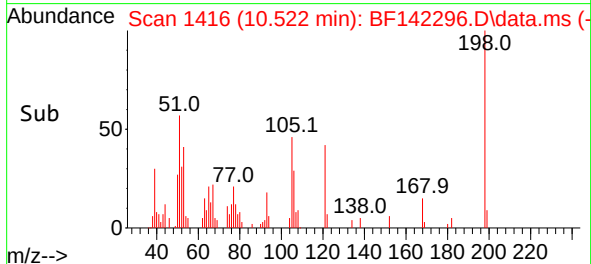
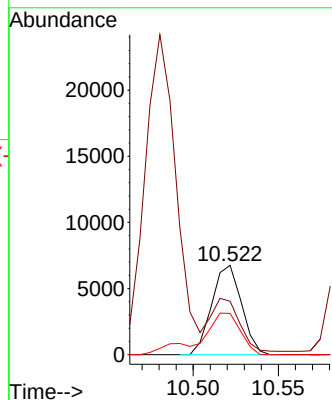
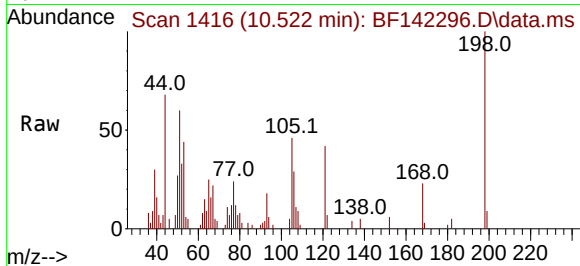




#65
4,6-Dinitro-2-methylphenol
Concen: 9.085 ng
RT: 10.522 min Scan# 1416
Delta R.T. -0.011 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

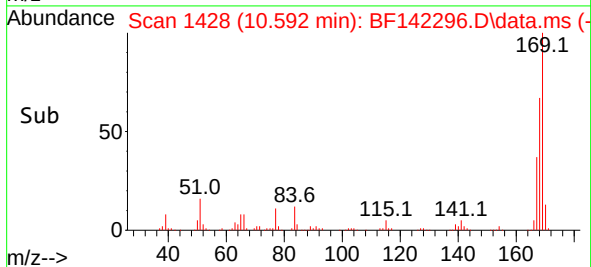
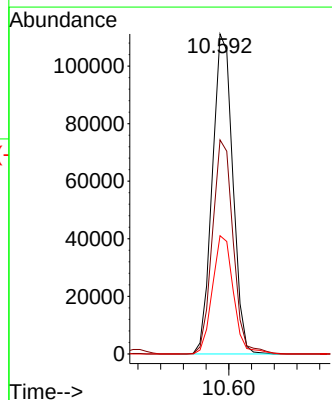
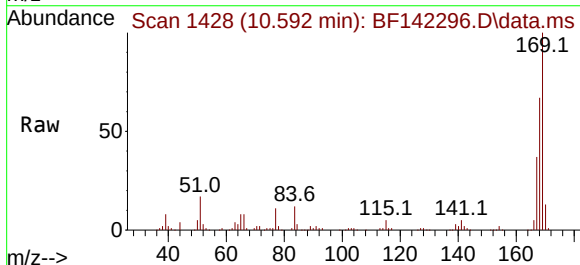
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

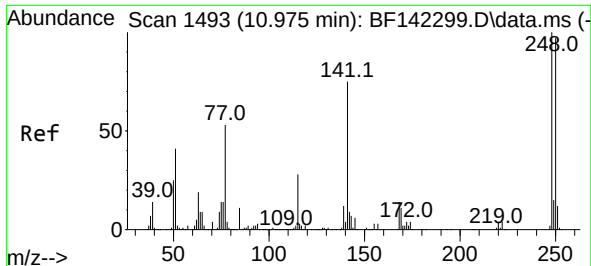
Tgt Ion:198 Resp: 8208
Ion Ratio Lower Upper
198 100
51 60.0 32.9 72.9
105 46.2 23.7 63.7



#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

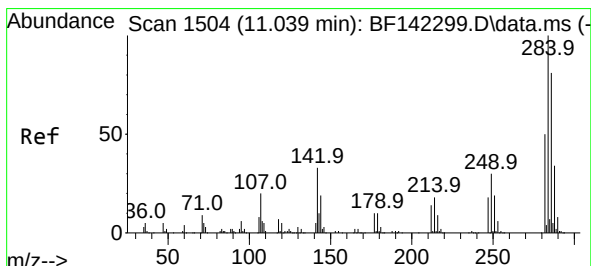
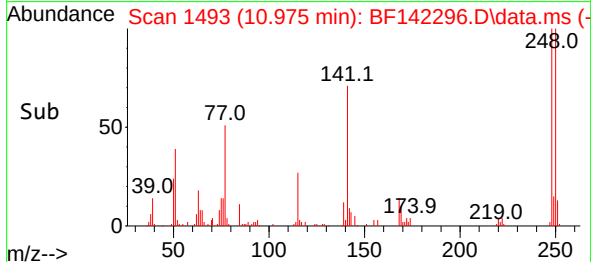
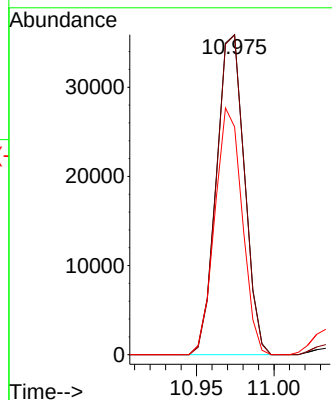
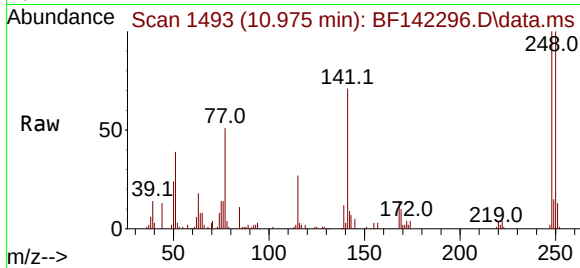




#67
4-Bromophenyl-phenylether
Concen: 5.072 ng
RT: 10.975 min Scan# 1493
Delta R.T. -0.000 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

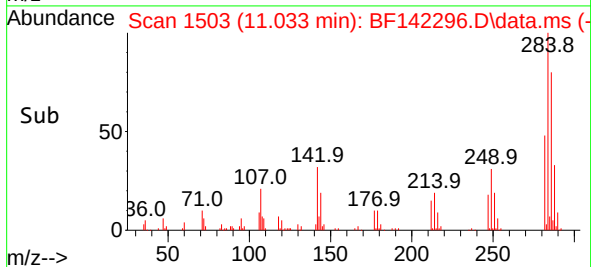
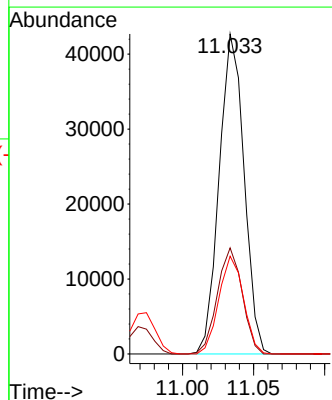
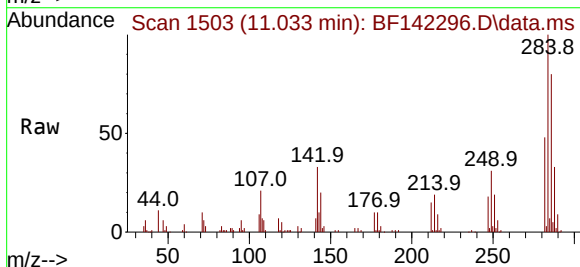
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

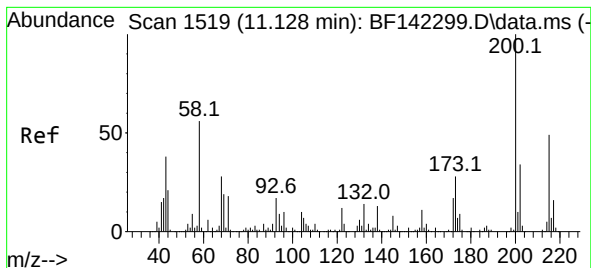
Tgt Ion:248 Resp: 45301
Ion Ratio Lower Upper
248 100
250 99.9 77.9 116.9
141 71.2 59.8 89.8



#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# 1518

Delta R.T. -0.006 min

Lab File: BF142296.D

Acq: 05 May 2025 14:23

Instrument :

BNA_F

ClientSampleId :

SSTDIC005

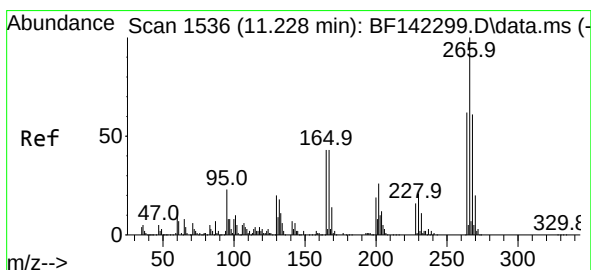
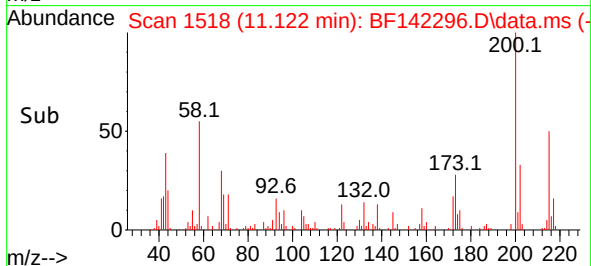
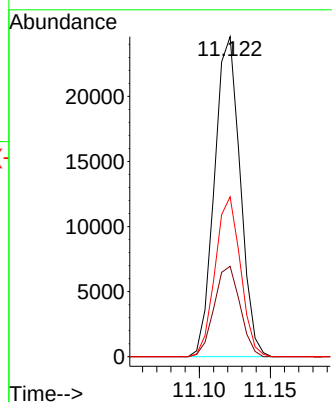
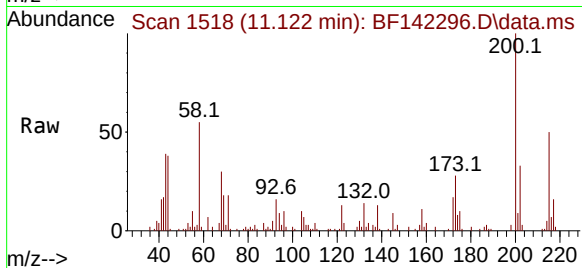
Tgt Ion:200 Resp: 30914

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

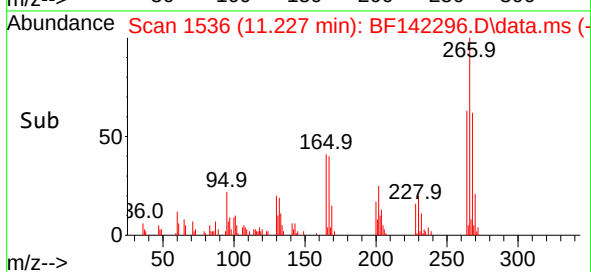
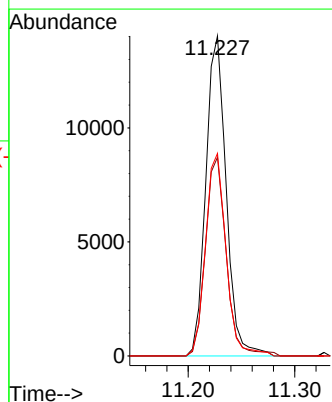
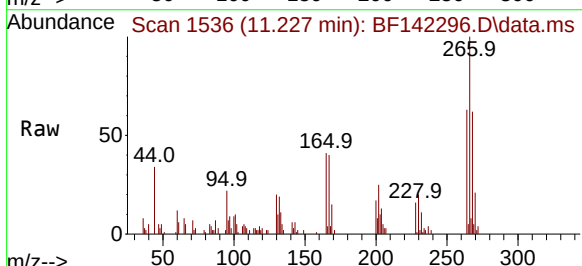
Tgt Ion:266 Resp: 18599

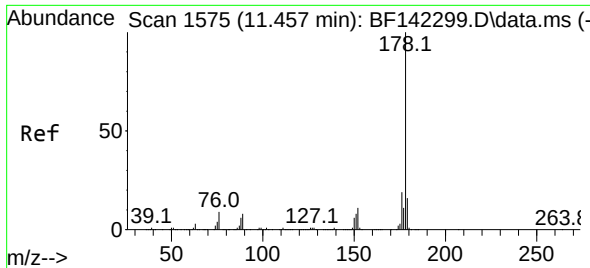
Ion Ratio Lower Upper

266 100

268 62.1 48.7 73.1

264 63.3 49.8 74.6

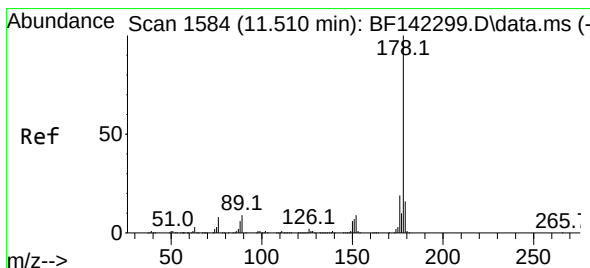
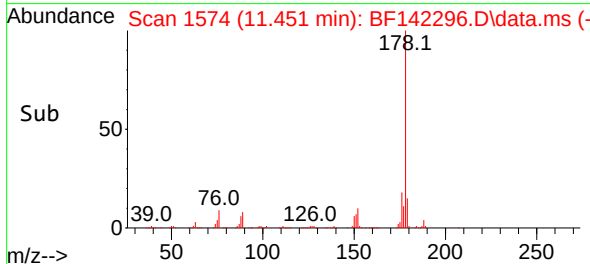
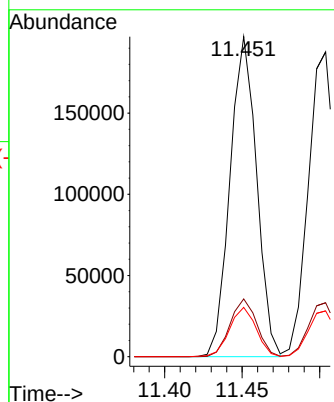
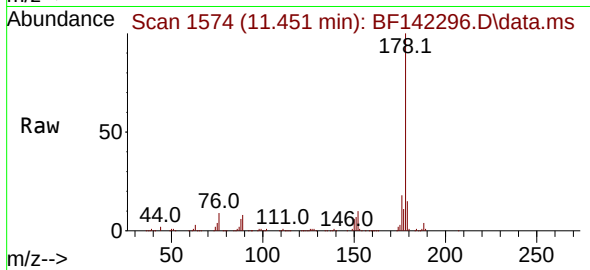




#71
Phenanthrene
Concen: 5.692 ng
RT: 11.451 min Scan# 1575
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

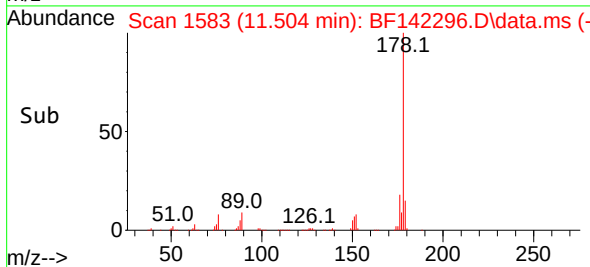
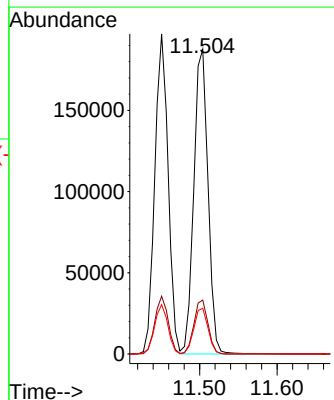
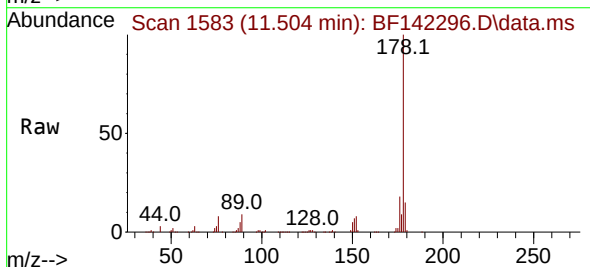
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

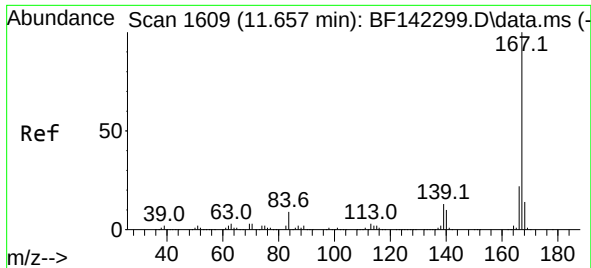
Tgt Ion:178 Resp: 235107
Ion Ratio Lower Upper
178 100
176 18.1 15.5 23.3
179 15.4 12.6 18.8



#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

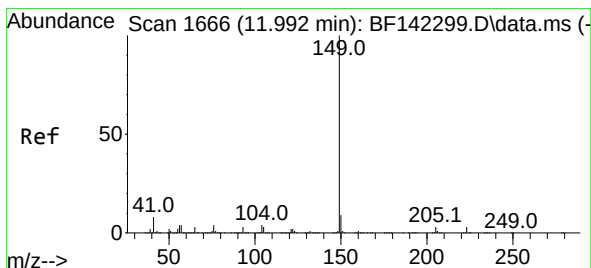
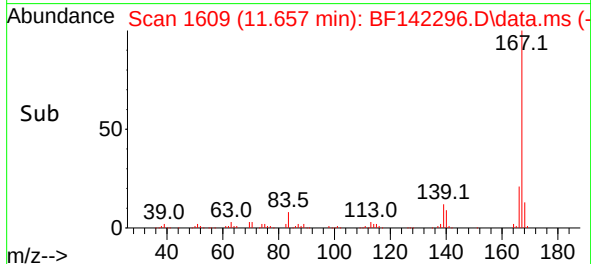
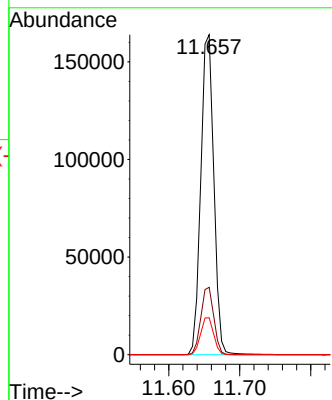
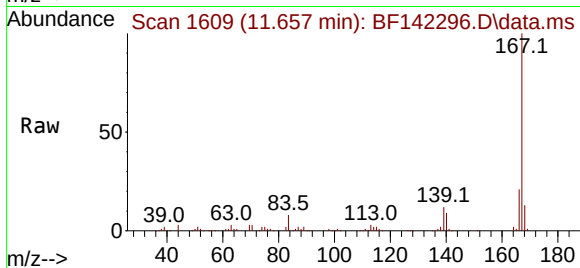




#73
 Carbazole
 Concen: 5.512 ng
 RT: 11.657 min Scan# 1609
 Delta R.T. -0.000 min
 Lab File: BF142296.D
 Acq: 05 May 2025 14:23

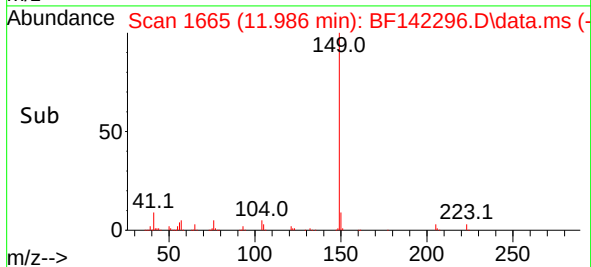
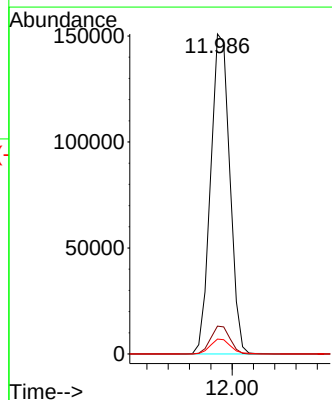
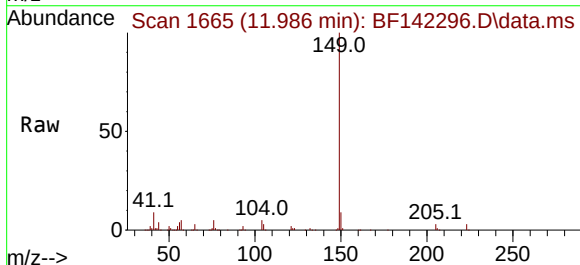
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC005

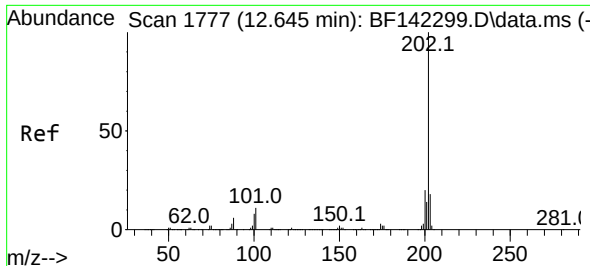
Tgt Ion:167 Resp: 209878
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.2 25.8
 139 11.5 10.3 15.5



#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

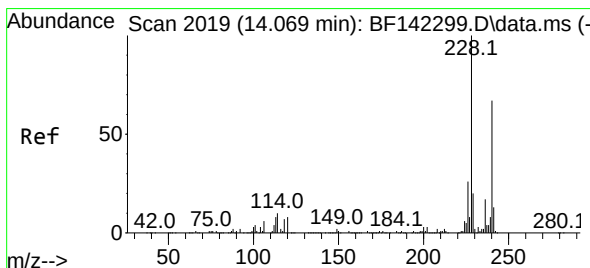
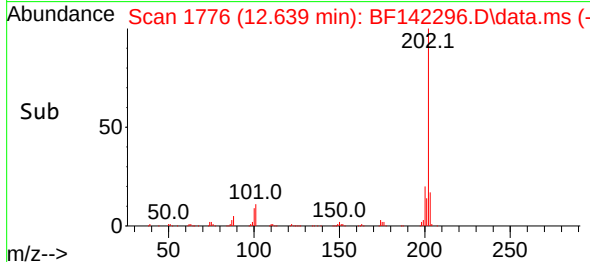
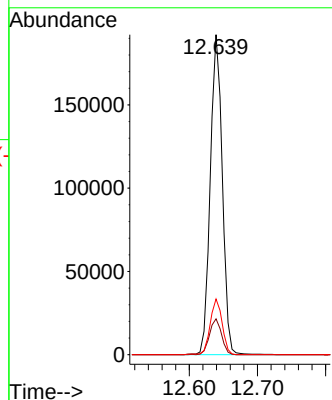
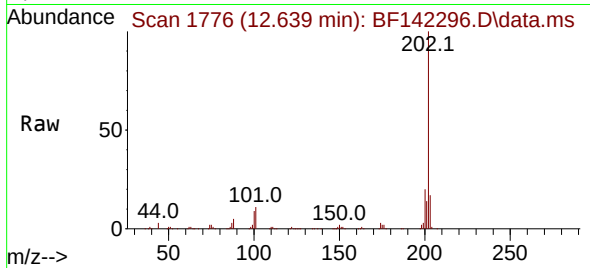




#75
Fluoranthene
Concen: 5.716 ng
RT: 12.639 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

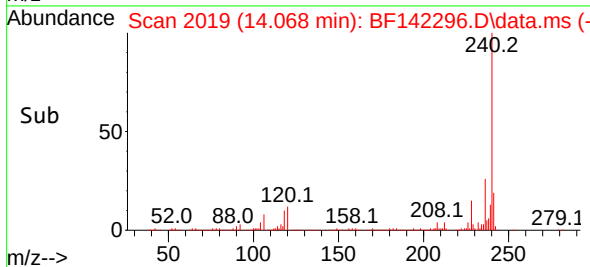
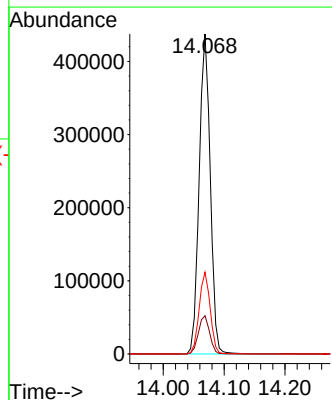
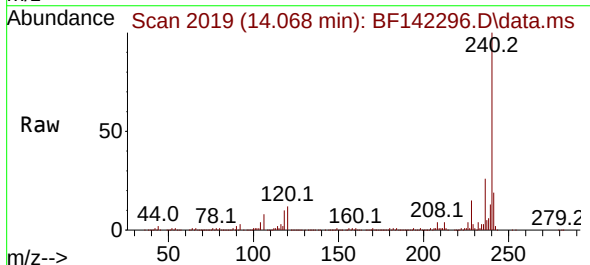
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

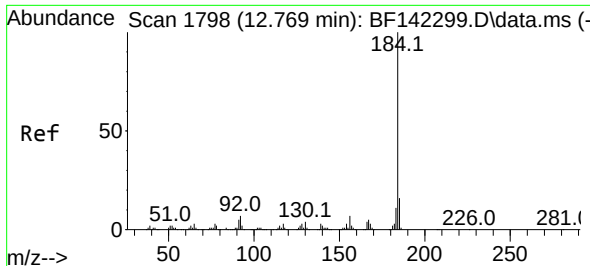
Tgt Ion:202 Resp: 236016
Ion Ratio Lower Upper
202 100
101 11.2 0.0 31.4
203 17.4 0.0 37.9



#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# 11

Delta R.T. -0.006 min

Lab File: BF142296.D

Acq: 05 May 2025 14:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

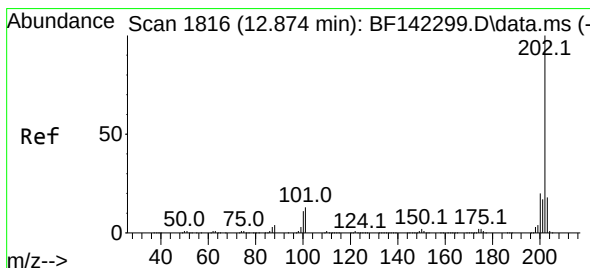
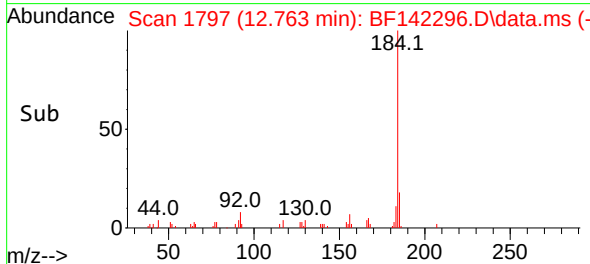
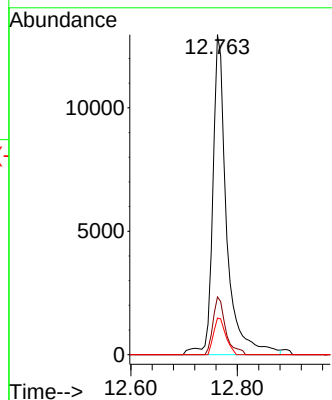
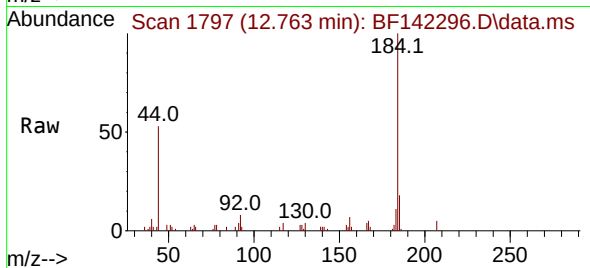
Tgt Ion:184 Resp: 23472

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

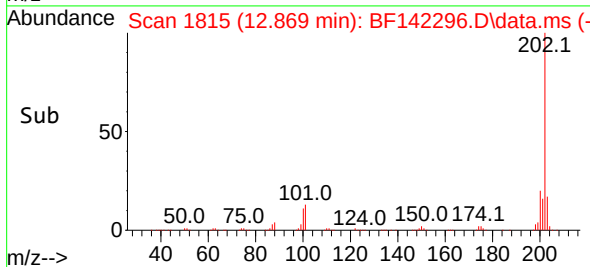
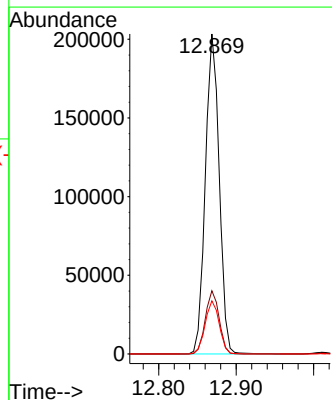
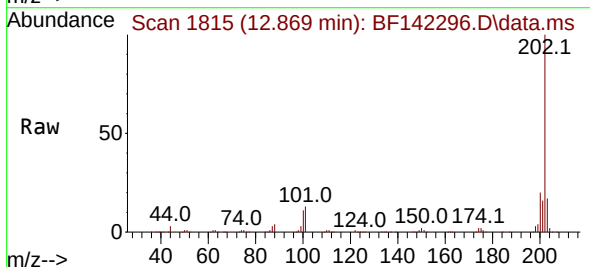
Tgt Ion:202 Resp: 252238

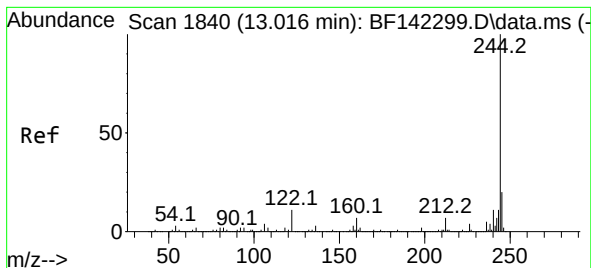
Ion Ratio Lower Upper

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# 1839

Delta R.T. -0.006 min

Lab File: BF142296.D

Acq: 05 May 2025 14:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

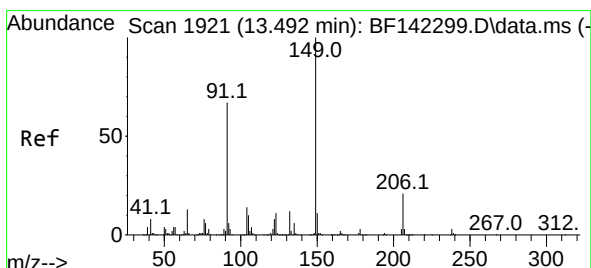
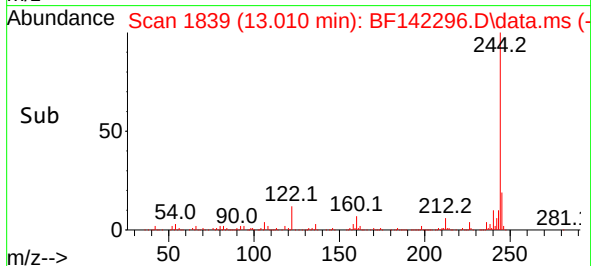
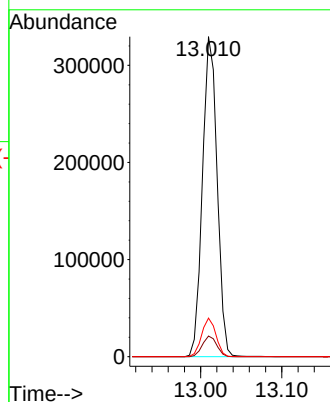
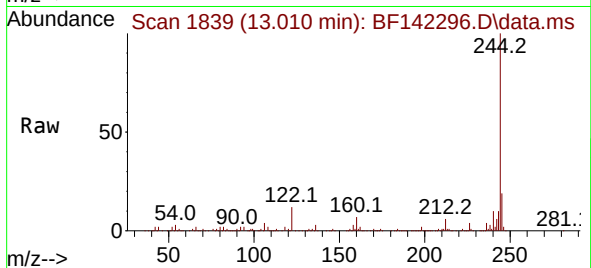
Tgt Ion:244 Resp: 413313

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

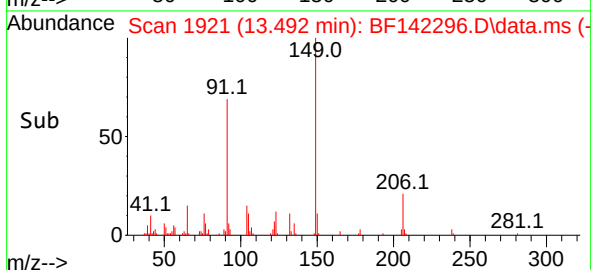
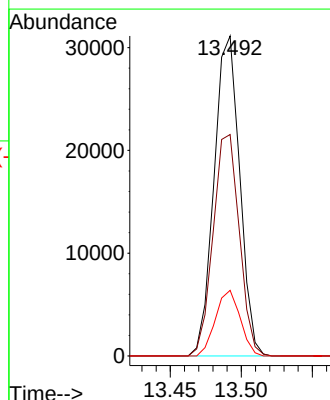
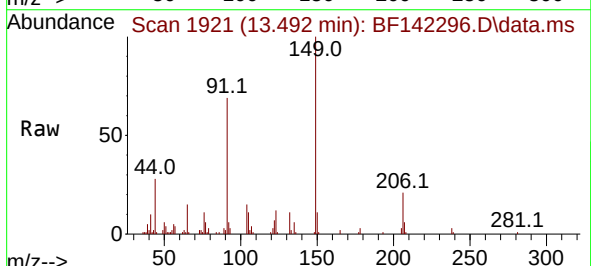
Tgt Ion:149 Resp: 39082

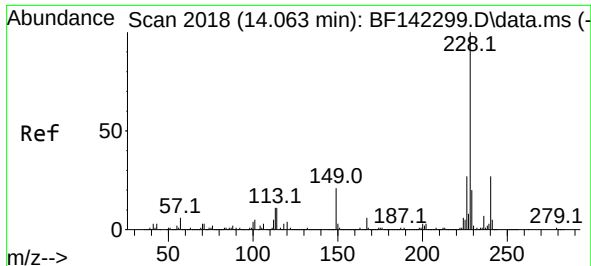
Ion Ratio Lower Upper

149 100

91 69.2 53.8 80.6

206 20.5 16.6 24.8

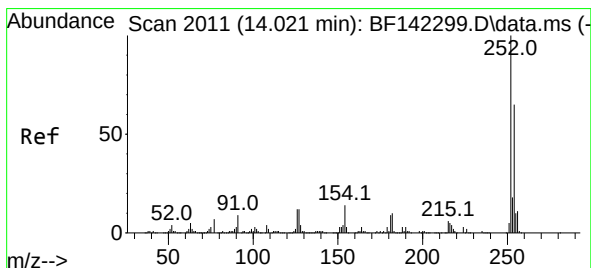
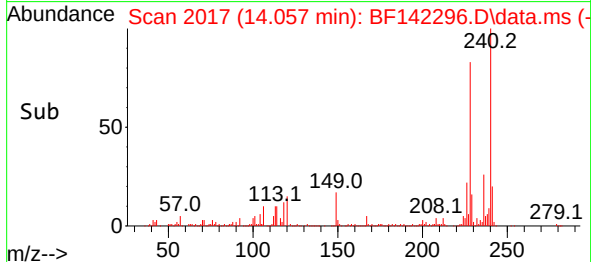
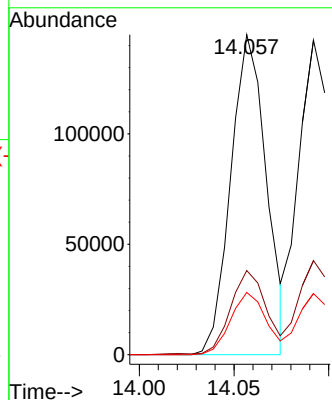
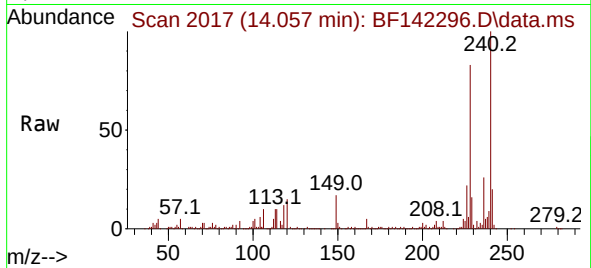




#81
Benzo(a)anthracene
Concen: 5.289 ng
RT: 14.057 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

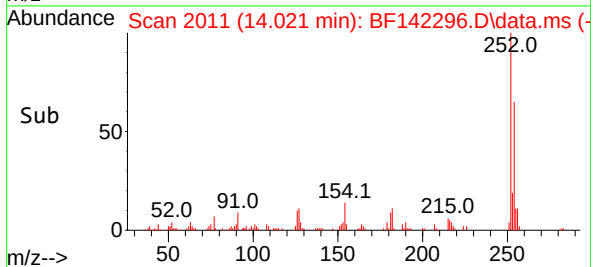
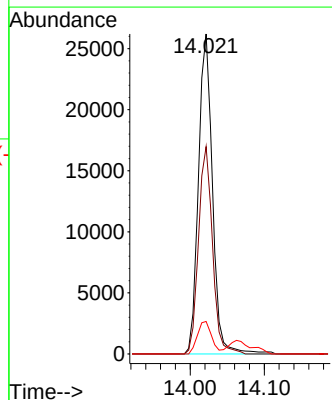
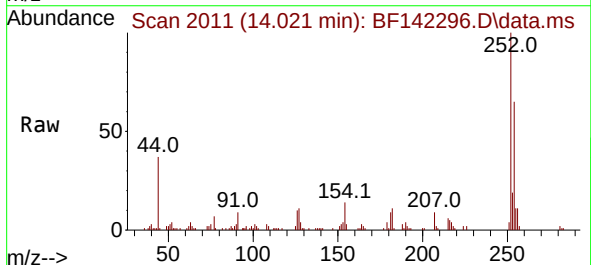
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

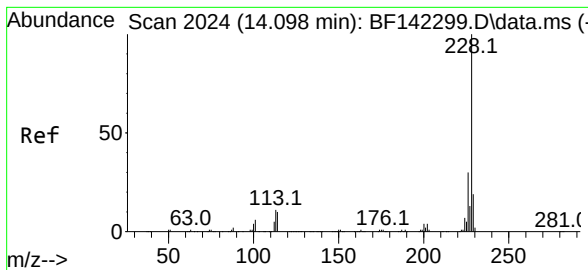
Tgt Ion:228 Resp: 189654
Ion Ratio Lower Upper
228 100
226 26.3 21.5 32.3
229 19.4 15.9 23.9



#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# 20

Delta R.T. -0.006 min

Lab File: BF142296.D

Acq: 05 May 2025 14:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

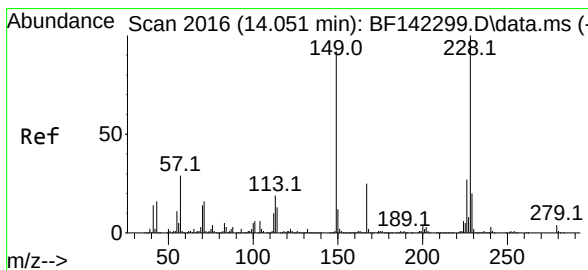
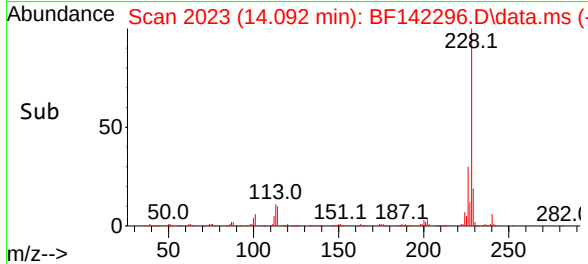
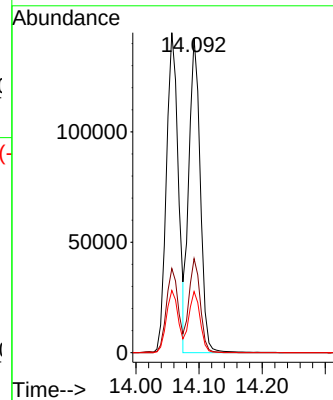
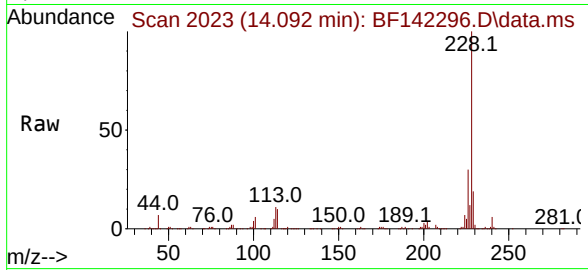
Tgt Ion:228 Resp: 179085

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

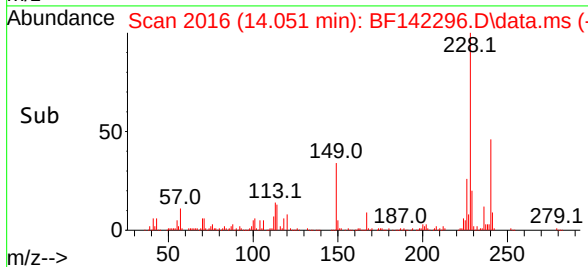
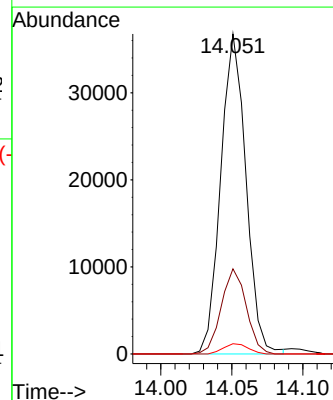
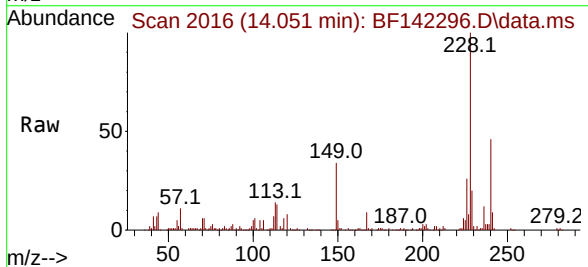
Tgt Ion:149 Resp: 45343

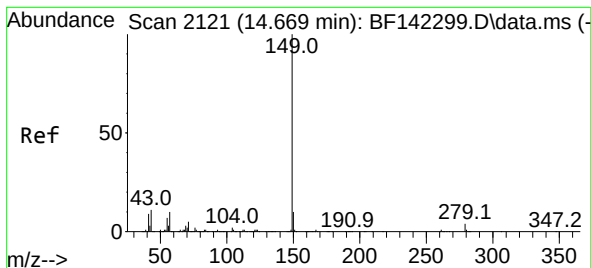
Ion Ratio Lower Upper

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# 2121

Delta R.T. -0.001 min

Lab File: BF142296.D

Acq: 05 May 2025 14:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

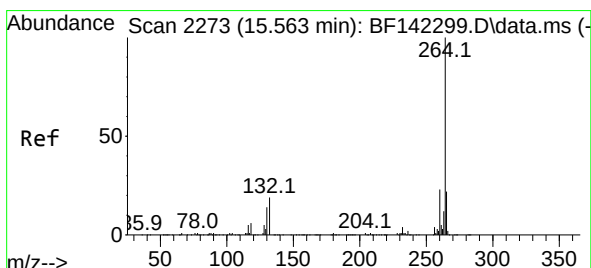
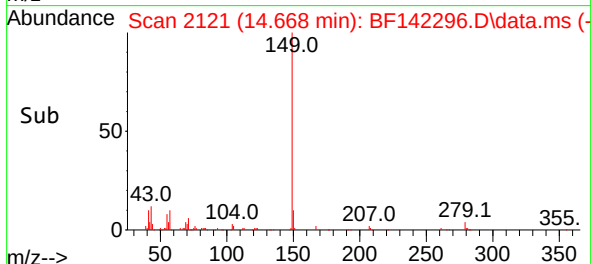
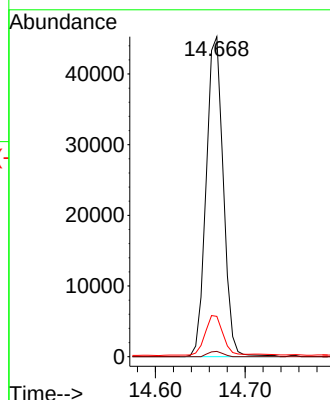
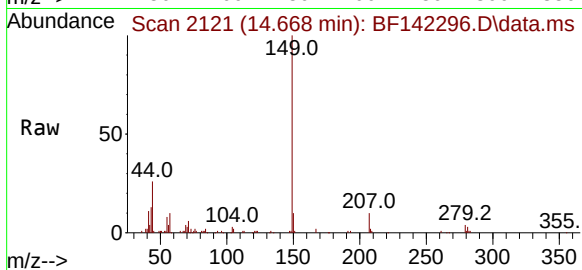
Tgt Ion:149 Resp: 59863

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

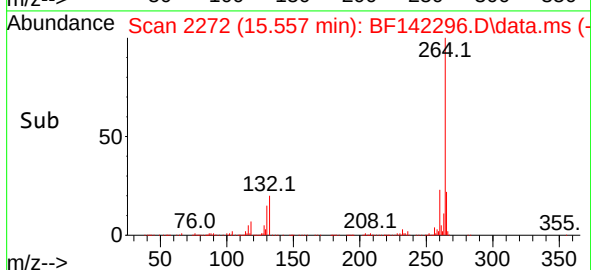
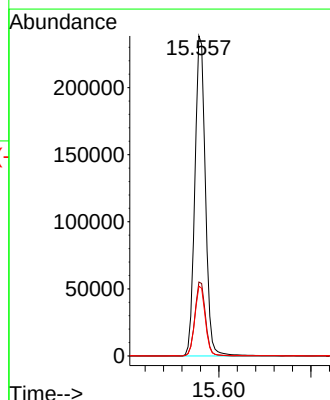
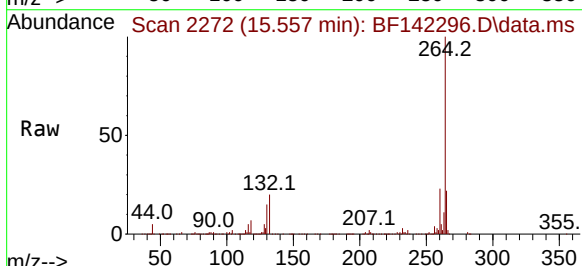
Tgt Ion:264 Resp: 376971

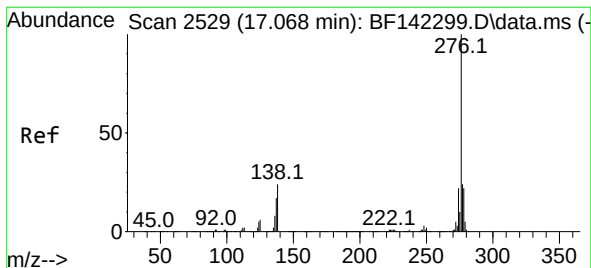
Ion Ratio Lower Upper

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# 2197

Delta R.T. -0.012 min

Lab File: BF142296.D

Acq: 05 May 2025 14:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

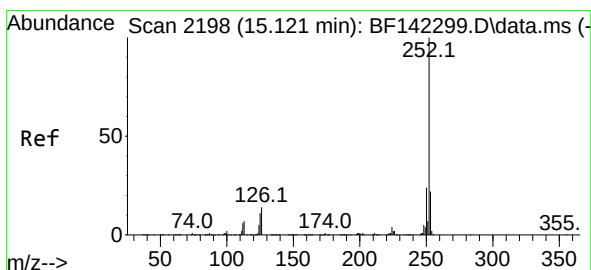
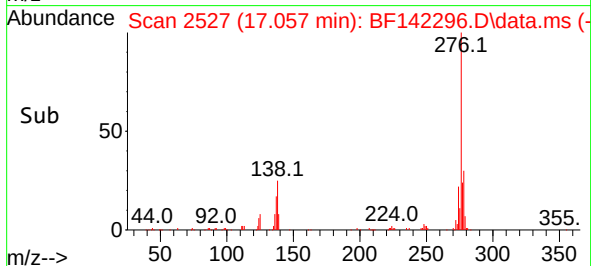
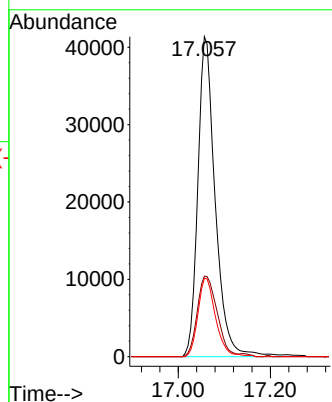
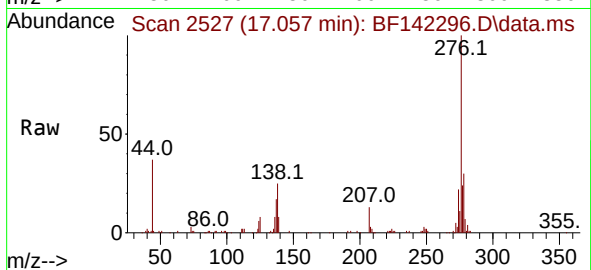
Tgt Ion:276 Resp: 108522

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

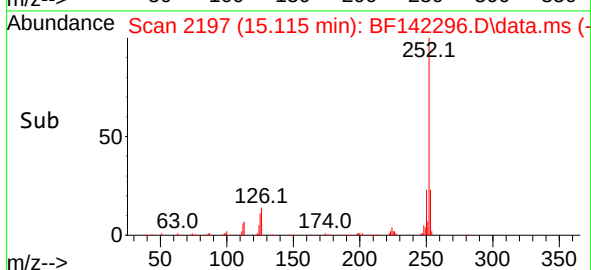
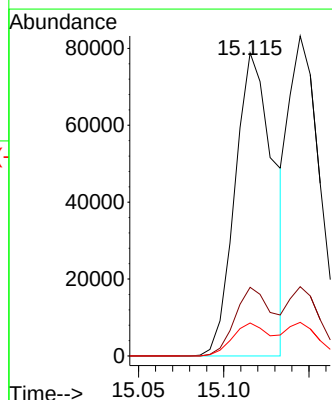
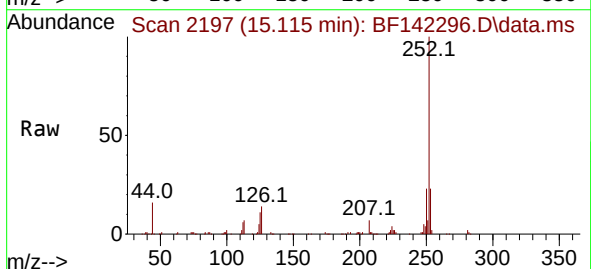
Tgt Ion:252 Resp: 123666

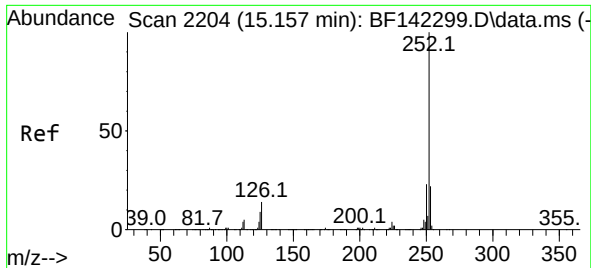
Ion Ratio Lower Upper

252 100

253 22.7 17.7 26.5

125 10.9 8.7 13.1

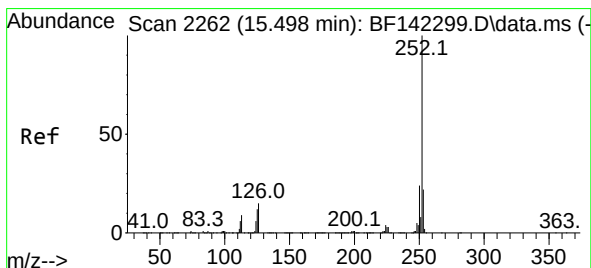
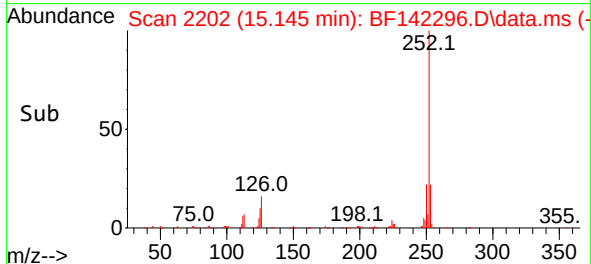
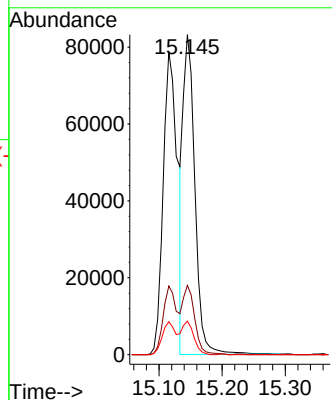
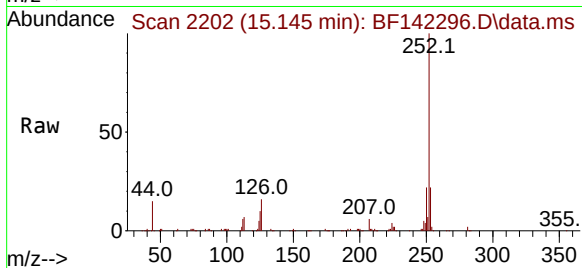




#89
Benzo(k)fluoranthene
Concen: 5.224 ng
RT: 15.145 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF142296.D
Acq: 05 May 2025 14:23

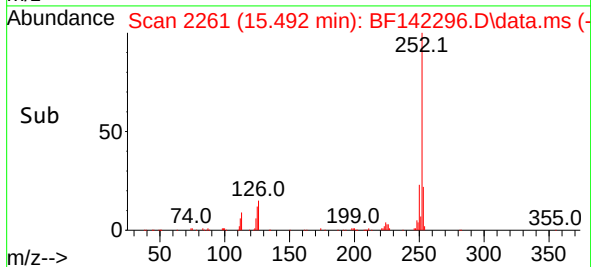
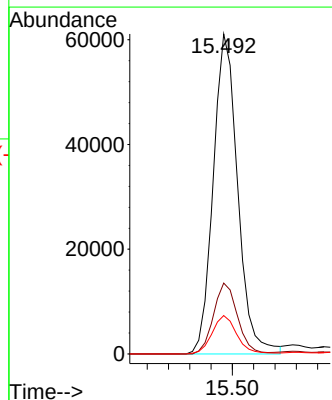
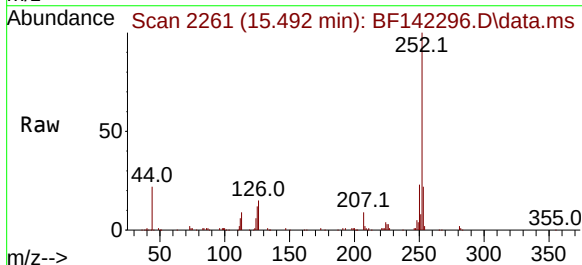
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

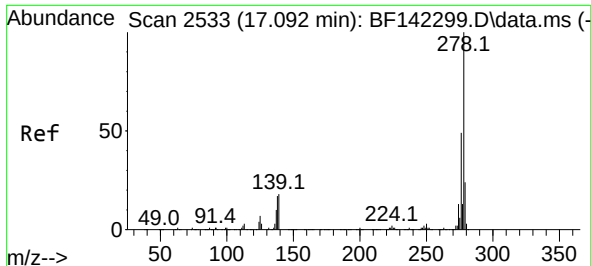
Tgt Ion:252 Resp: 109149
Ion Ratio Lower Upper
252 100
253 21.6 17.6 26.4
125 10.5 8.1 12.1



#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# 21

Delta R.T. -0.012 min

Lab File: BF142296.D

Acq: 05 May 2025 14:23

Instrument :

BNA_F

ClientSampleId :

SSTDICC005

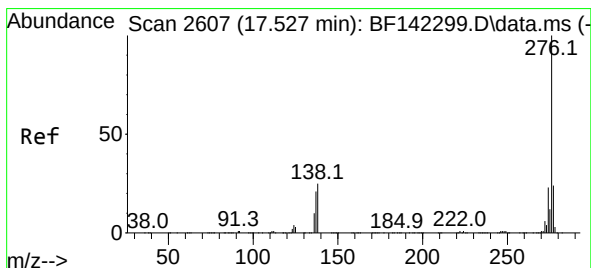
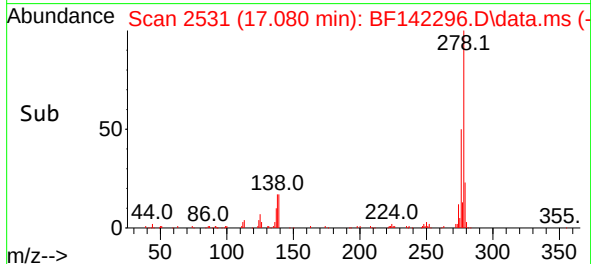
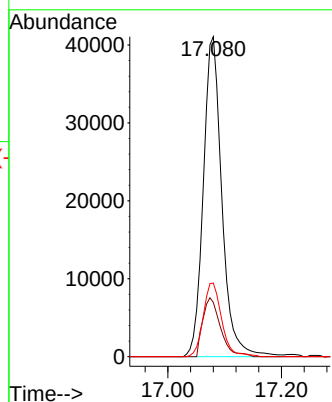
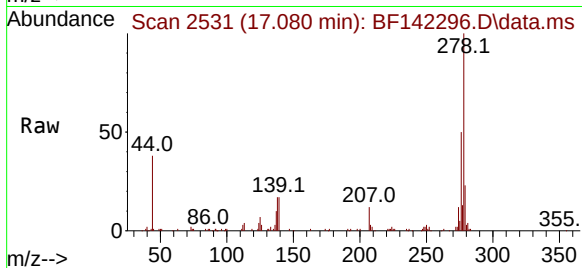
Tgt Ion:278 Resp: 93055

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

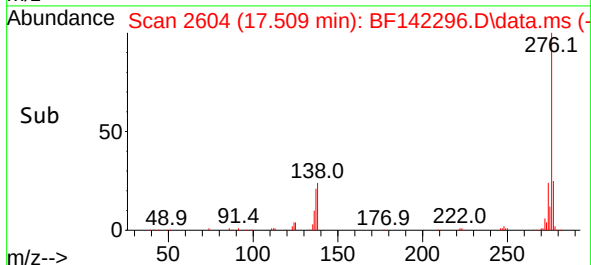
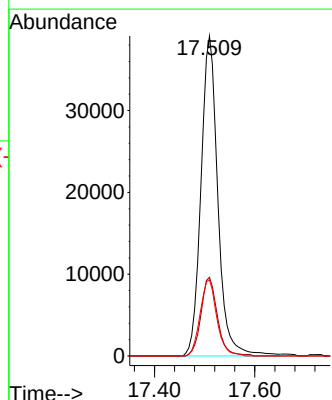
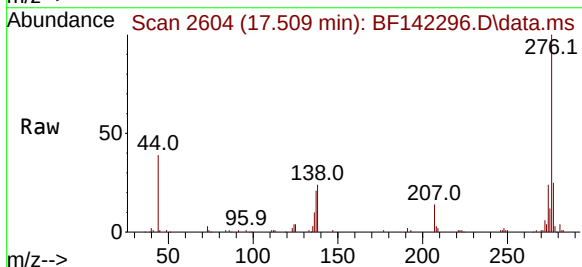
Tgt Ion:276 Resp: 91492

Ion Ratio Lower Upper

276 100

277 24.6 19.0 28.6

138 23.8 19.8 29.6



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

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 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

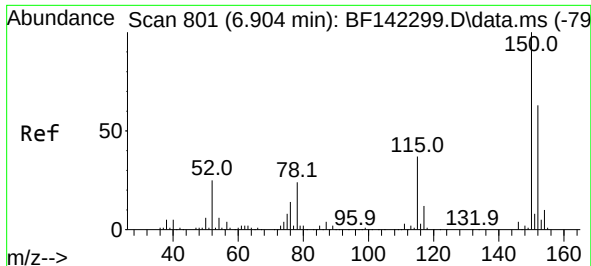
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 05 17:44:56 2025
 Response via : Initial Calibration

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

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

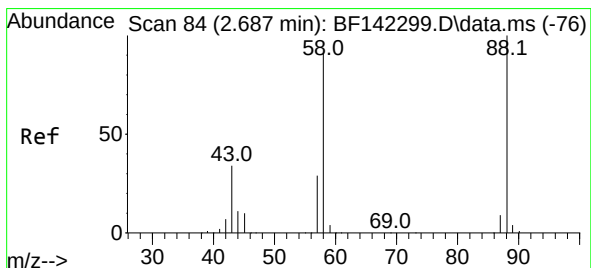
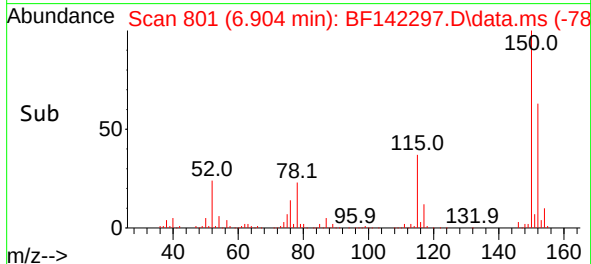
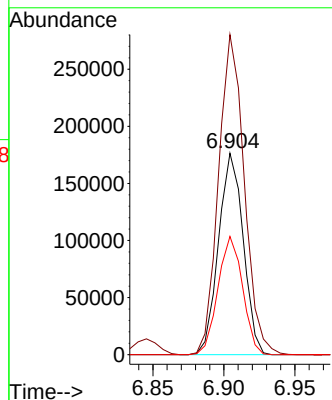
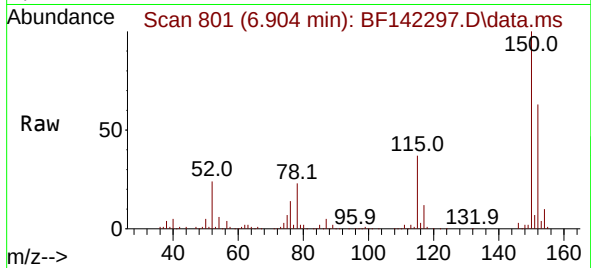




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.904 min Scan# 801
 Delta R.T. 0.000 min
 Lab File: BF142297.D
 Acq: 05 May 2025 14:52

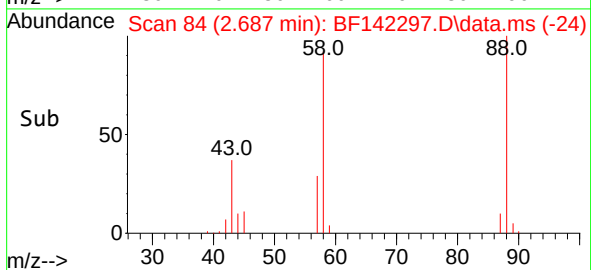
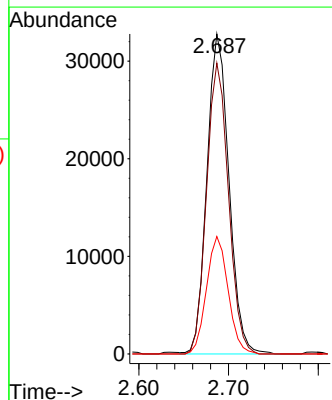
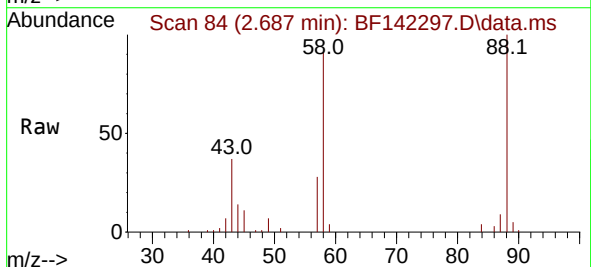
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 BNA_F
 ClientSampleId :
 SSTDICC010

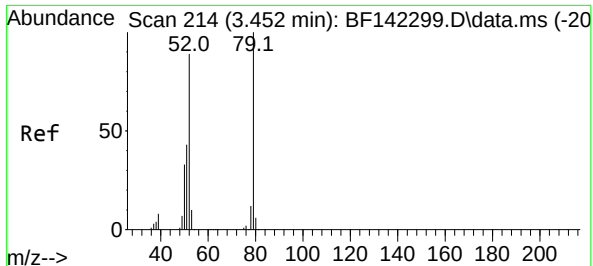
Tgt Ion:152 Resp: 212907
 Ion Ratio Lower Upper
 152 100
 150 158.9 126.6 190.0
 115 58.7 47.3 70.9



#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# 214

Delta R.T. 0.006 min

Lab File: BF142297.D

Acq: 05 May 2025 14:52

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

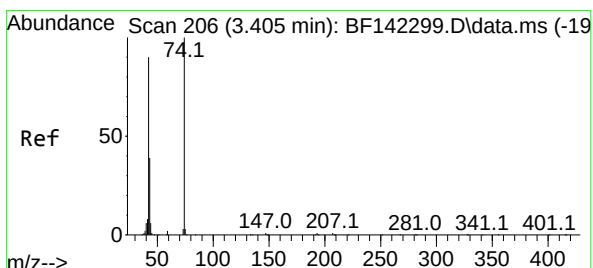
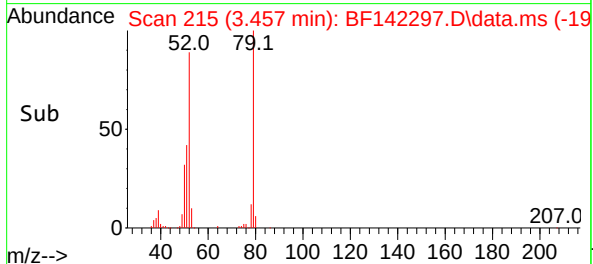
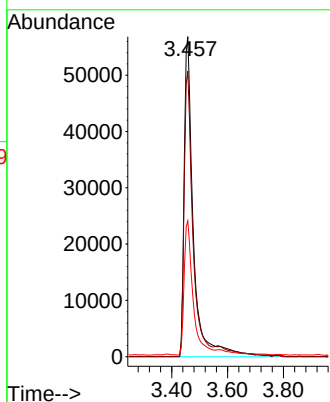
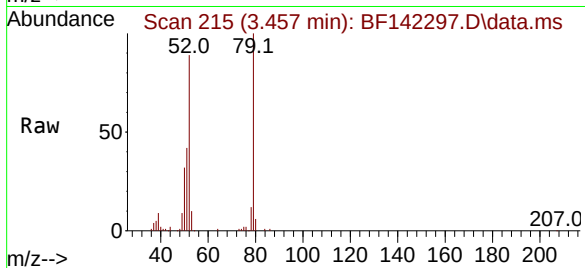
Tgt Ion: 79 Resp: 131287

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

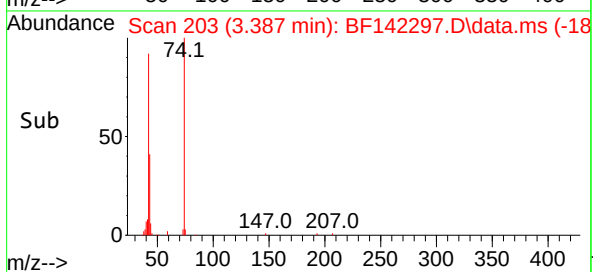
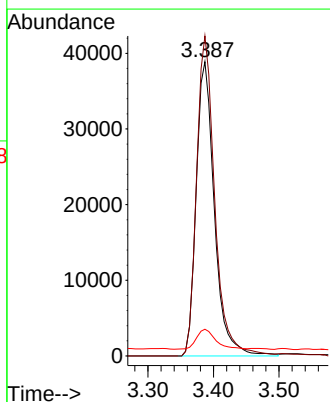
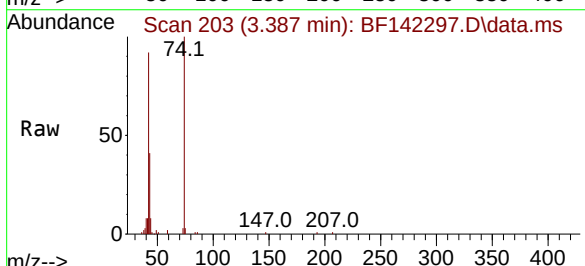
Tgt Ion: 42 Resp: 75254

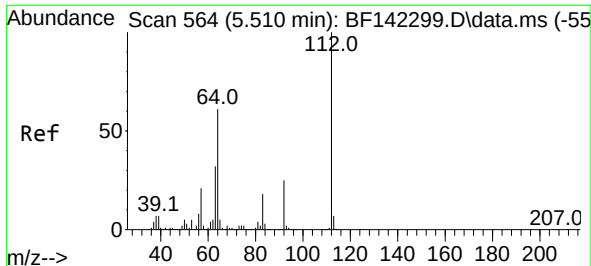
Ion Ratio Lower Upper

42 100

74 108.7 88.5 132.7

44 9.1 5.8 8.8#

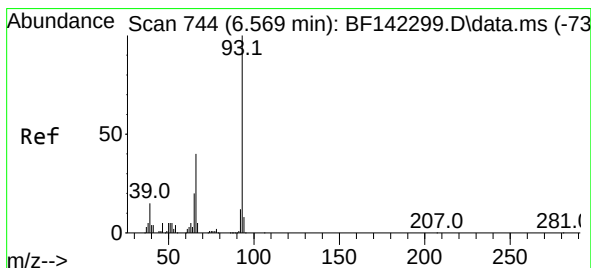
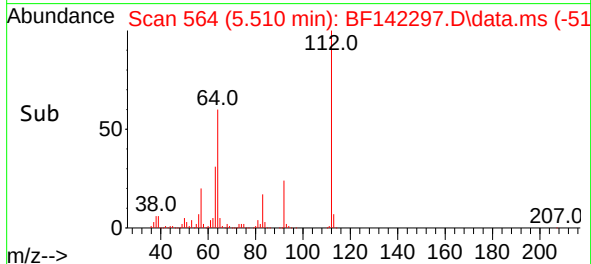
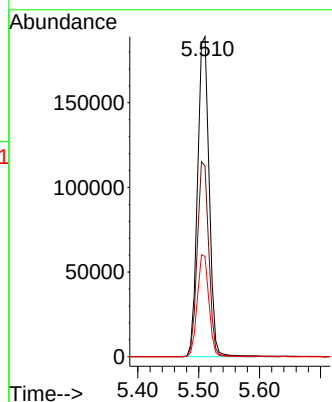
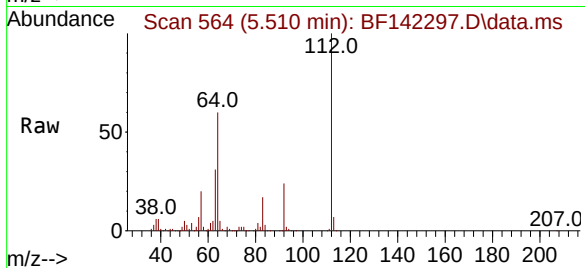




#5
2-Fluorophenol
Concen: 20.086 ng
RT: 5.510 min Scan# 509
Delta R.T. 0.000 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

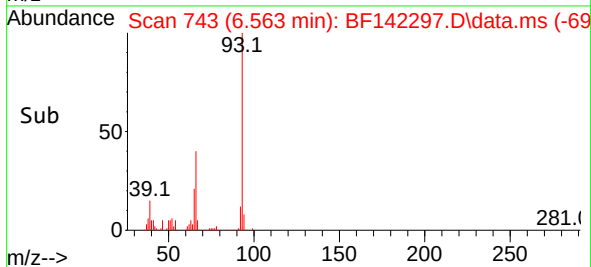
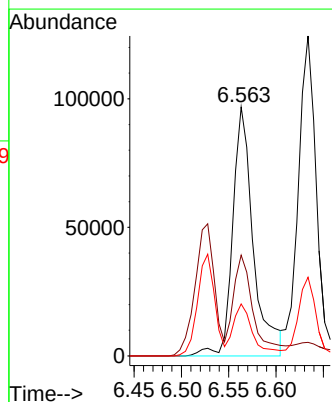
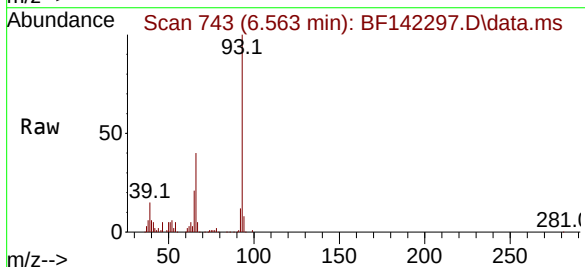
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

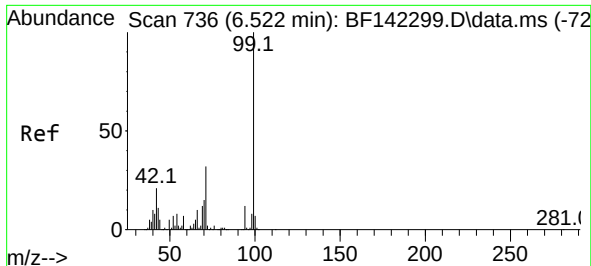
Tgt Ion:112 Resp: 250509
Ion Ratio Lower Upper
112 100
64 59.5 48.9 73.3
63 31.4 25.6 38.4



#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

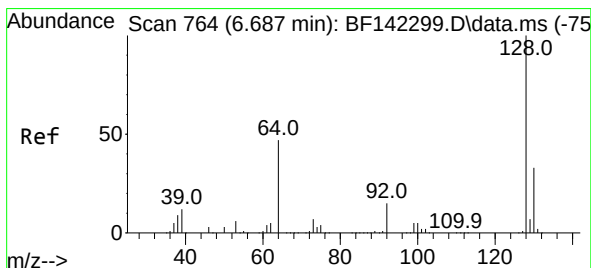
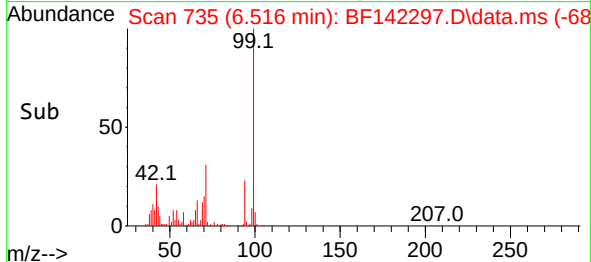
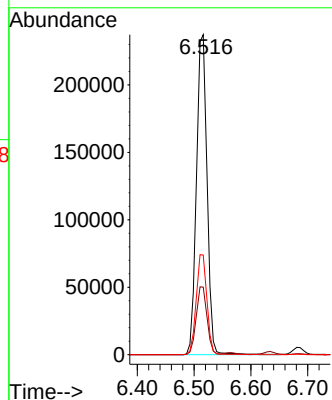
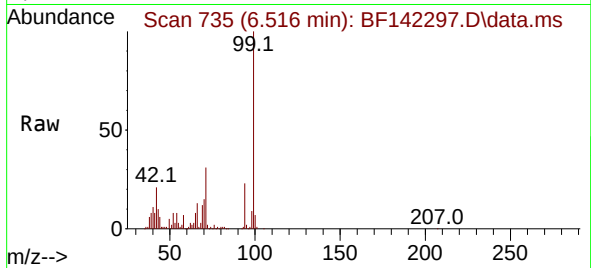




#7
Phenol-d6
Concen: 20.240 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

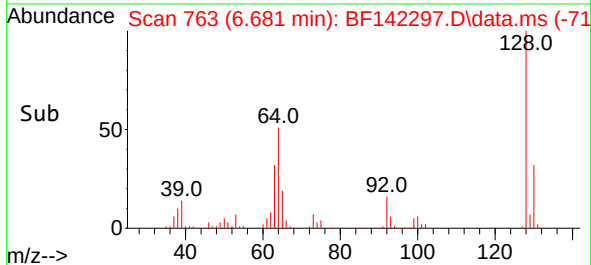
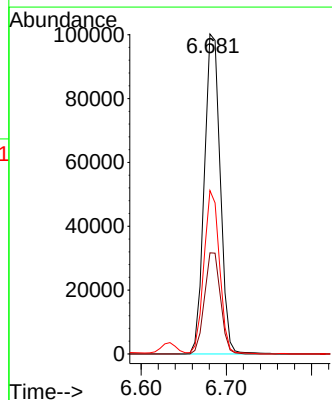
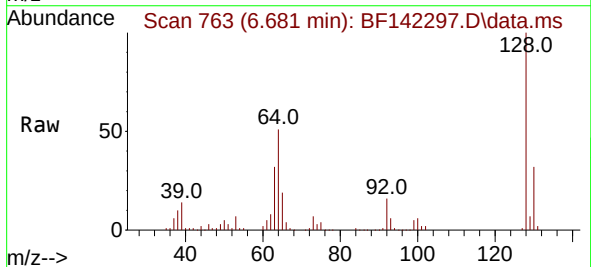
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ClientSampleId :
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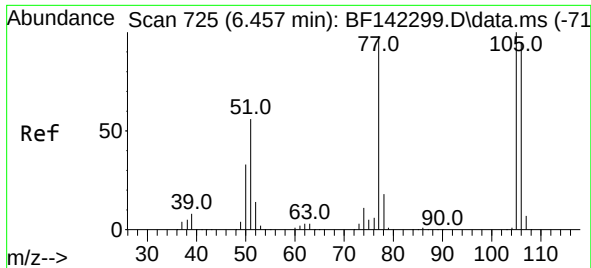
Tgt Ion: 99 Resp: 310470
Ion Ratio Lower Upper
99 100
42 21.1 17.0 25.4
71 31.2 25.8 38.8



#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# 71

Delta R.T. -0.006 min

Lab File: BF142297.D

Acq: 05 May 2025 14:52

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

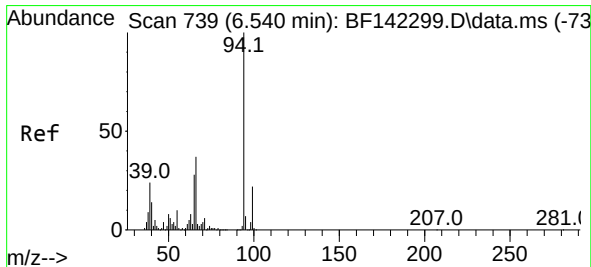
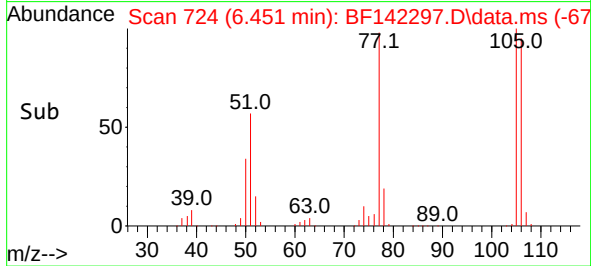
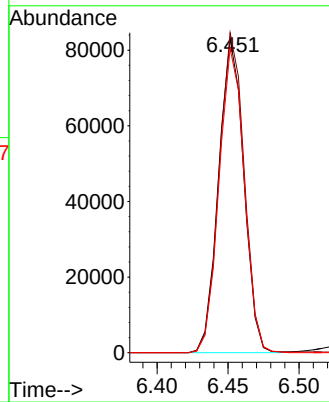
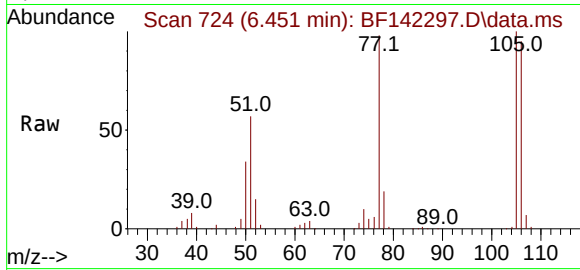
Tgt Ion: 77 Resp: 102088

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

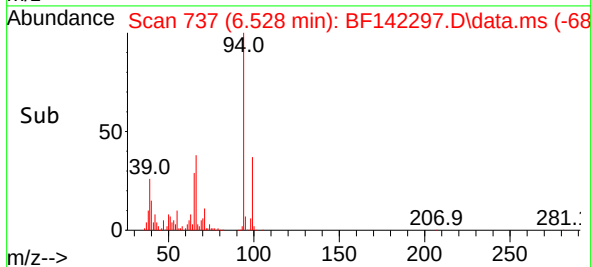
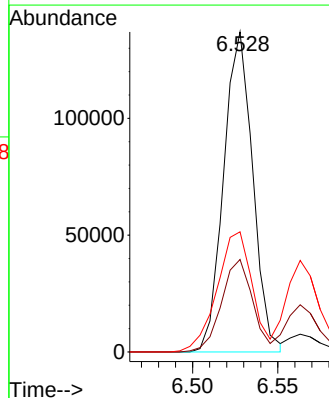
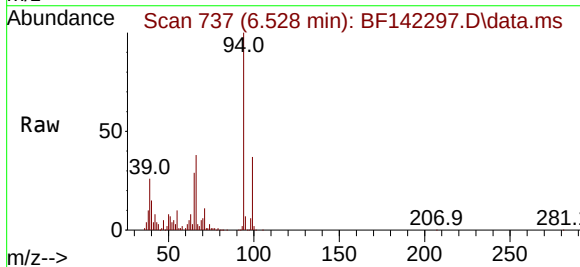
Tgt Ion: 94 Resp: 162652

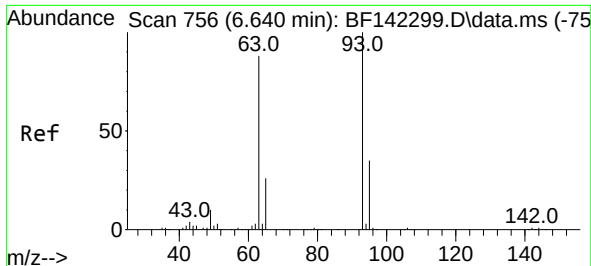
Ion Ratio Lower Upper

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# 755

Delta R.T. -0.006 min

Lab File: BF142297.D

Acq: 05 May 2025 14:52

Instrument :

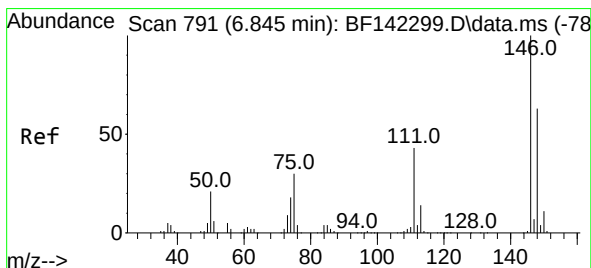
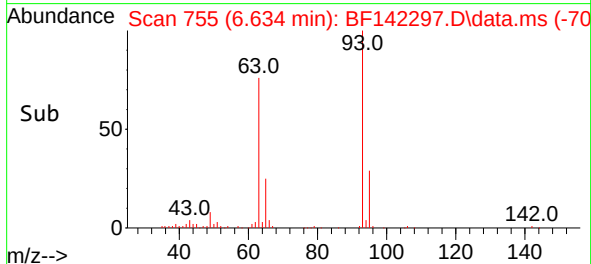
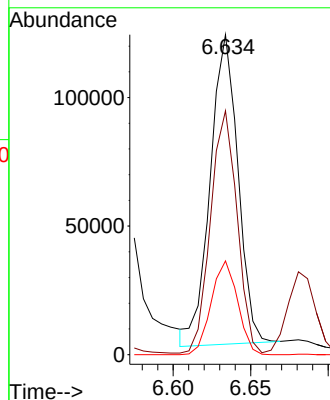
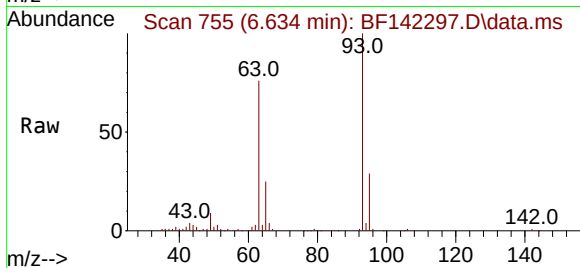
BNA_F

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

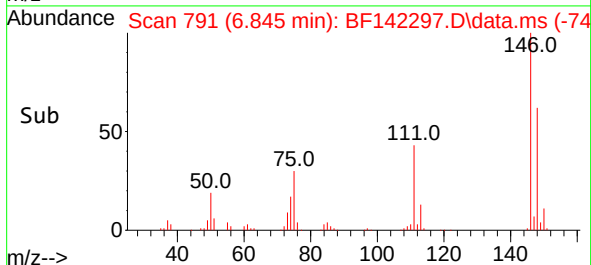
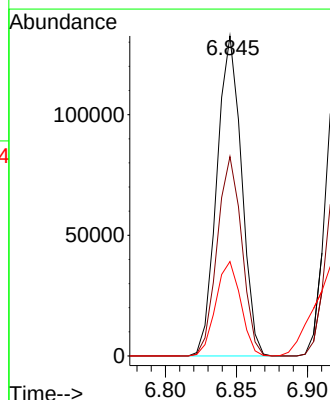
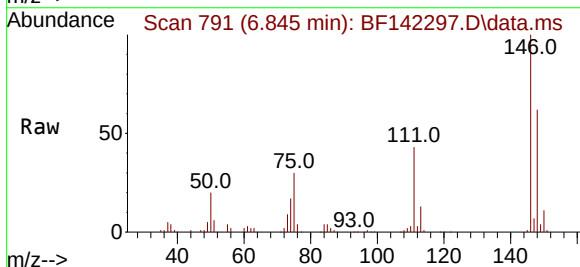
Delta R.T. -0.000 min

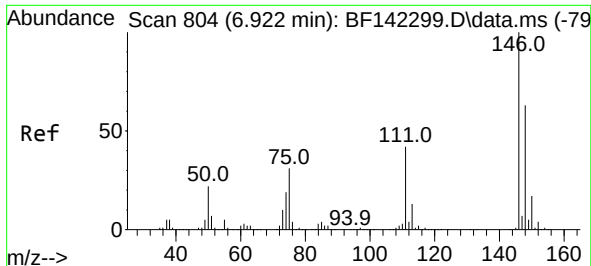
Lab File: BF142297.D

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# 804

Delta R.T. -0.000 min

Lab File: BF142297.D

Acq: 05 May 2025 14:52

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

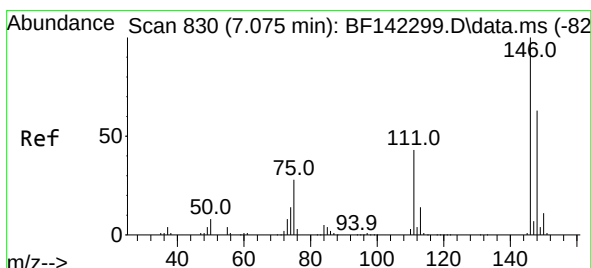
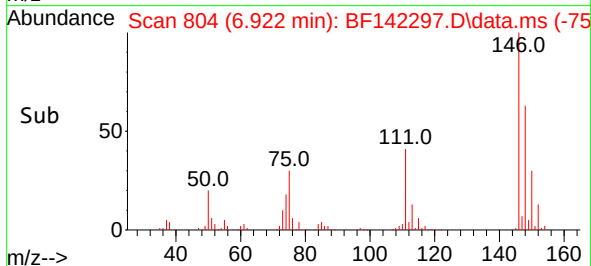
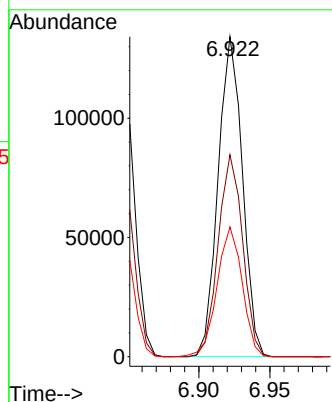
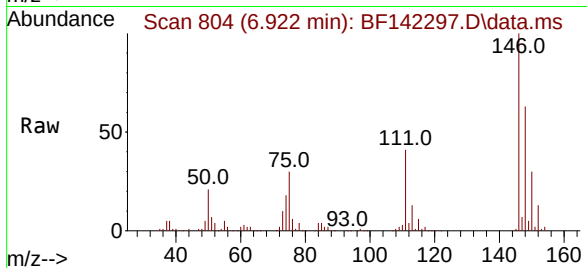
Tgt Ion:146 Resp: 159624

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

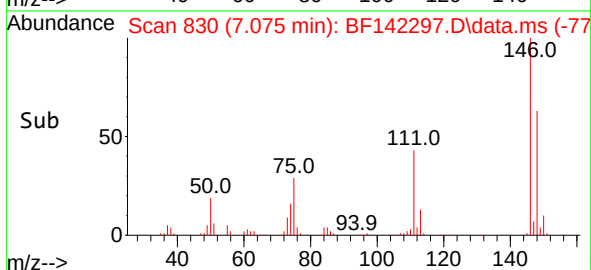
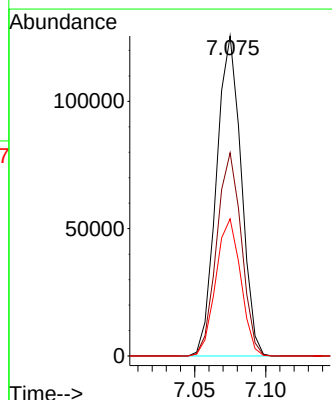
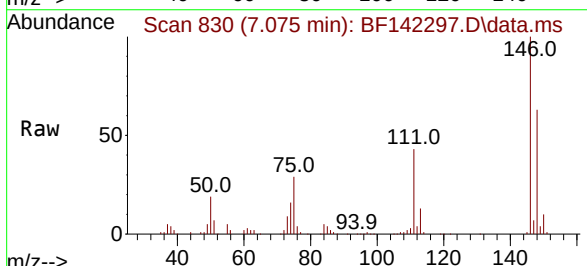
Tgt Ion:146 Resp: 152479

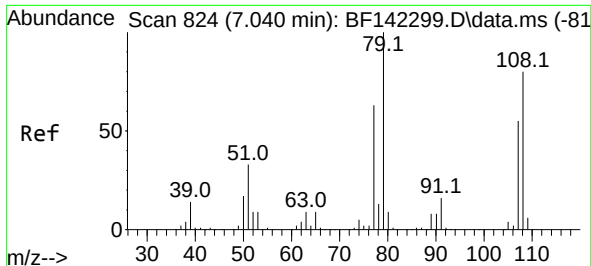
Ion Ratio Lower Upper

146 100

148 63.5 50.3 75.5

111 42.9 34.5 51.7

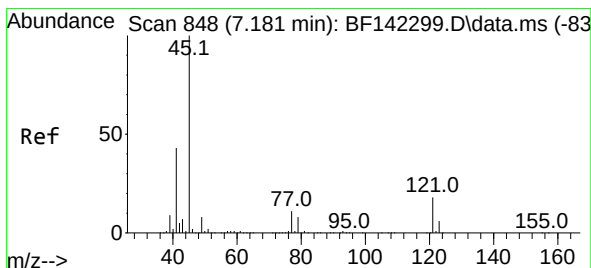
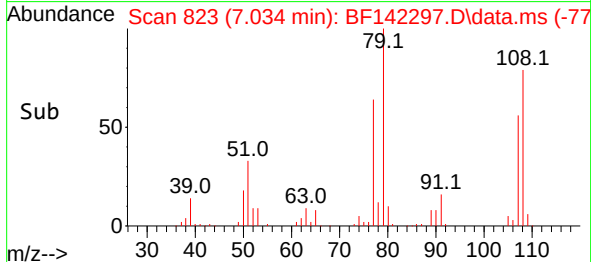
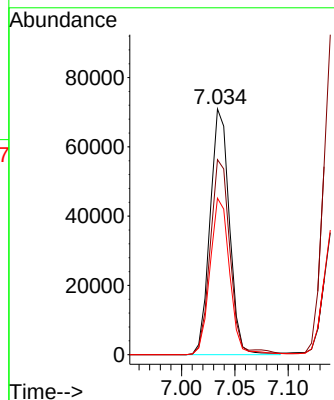
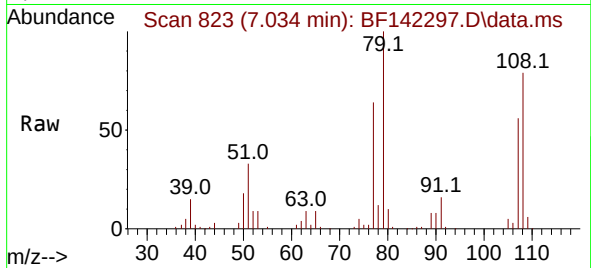




#15
Benzyl Alcohol
Concen: 9.040 ng
RT: 7.034 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

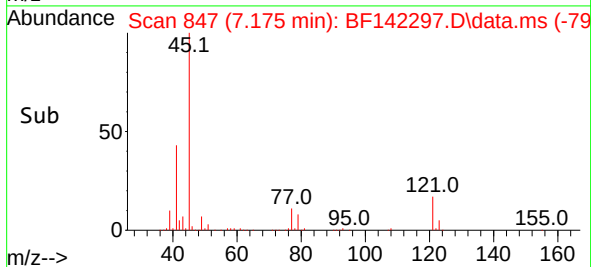
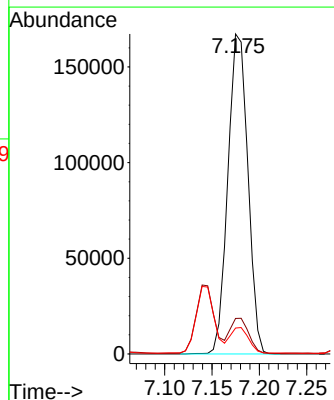
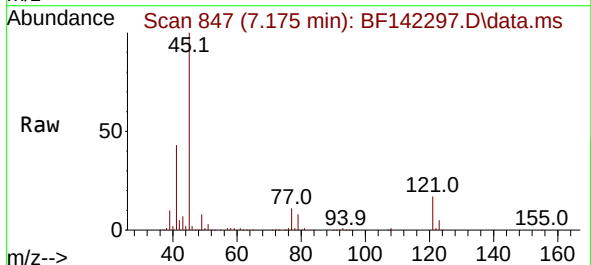
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

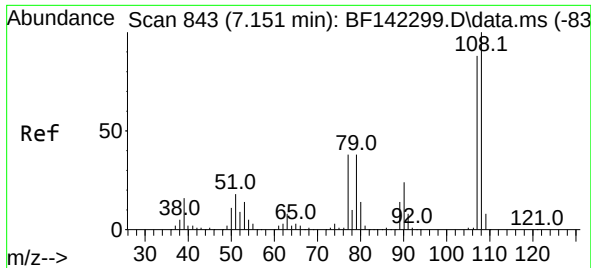
Tgt Ion: 79 Resp: 89790
Ion Ratio Lower Upper
79 100
108 79.4 63.9 95.9
77 63.7 50.7 76.1



#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

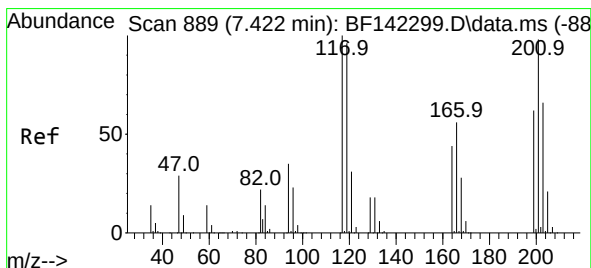
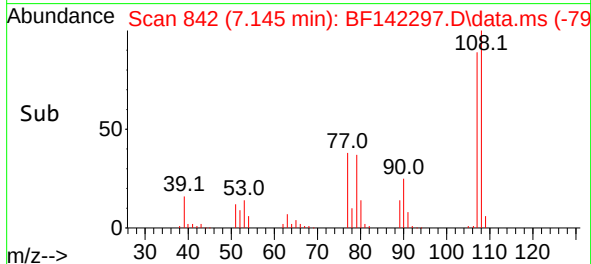
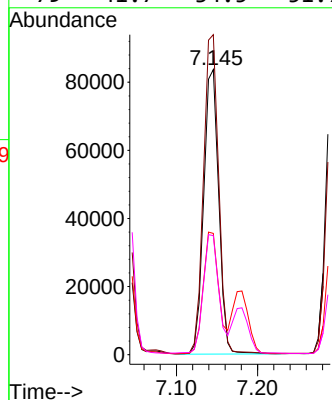
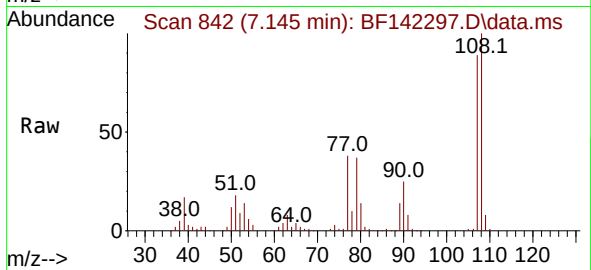




#17
2-Methylphenol
Concen: 9.947 ng
RT: 7.145 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

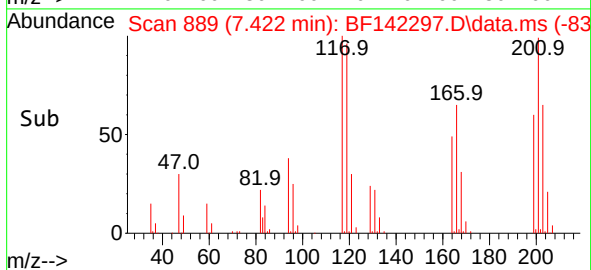
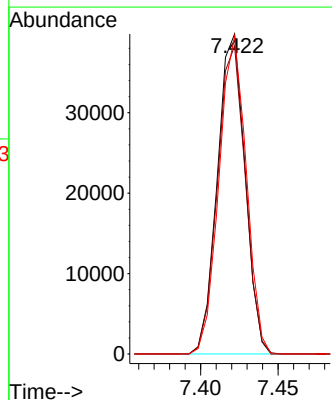
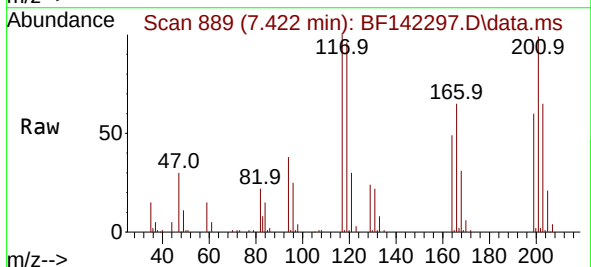
Instrument :
BNA_F
ClientSampleId :
SSTDIC010

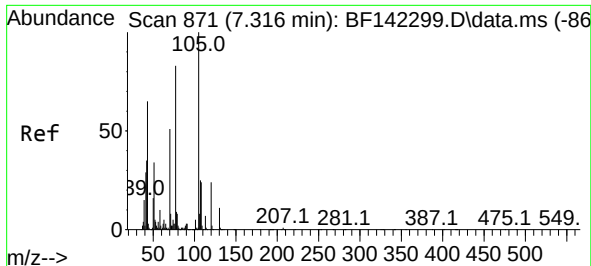
Tgt Ion:107 Resp: 107331
Ion Ratio Lower Upper
107 100
108 112.2 91.1 136.7
77 42.5 34.7 52.1
79 41.7 34.5 51.7



#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

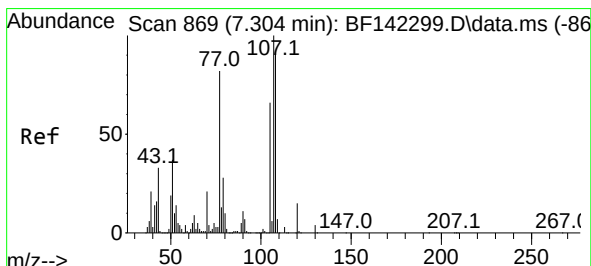
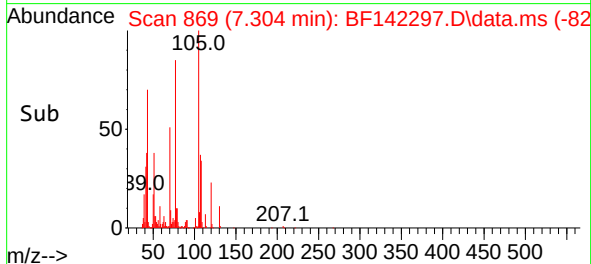
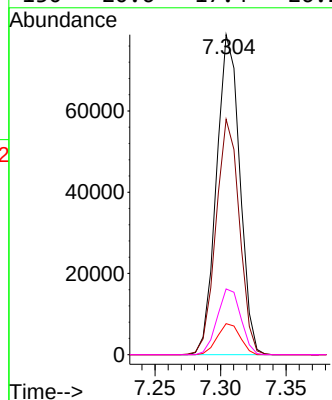
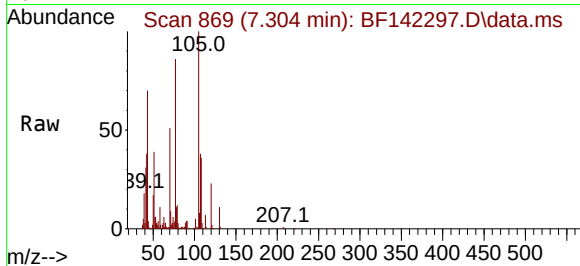




#19
n-Nitroso-di-n-propylamine
Concen: 10.264 ng
RT: 7.304 min Scan# 819
Delta R.T. -0.012 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

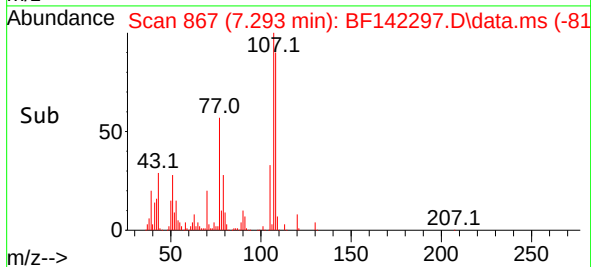
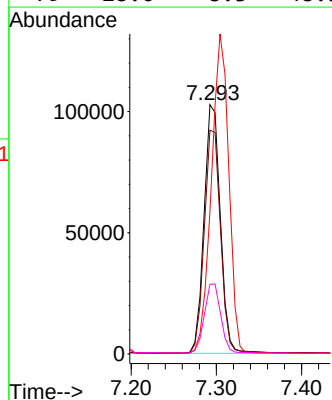
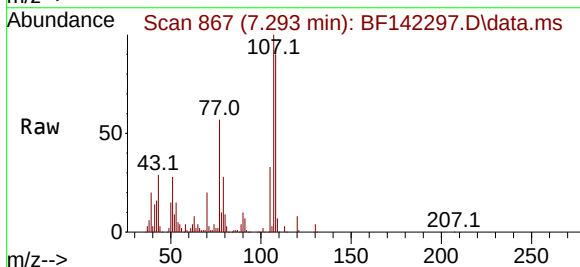
Instrument :
BNA_F
ClientSampleId :
SSTDIC010

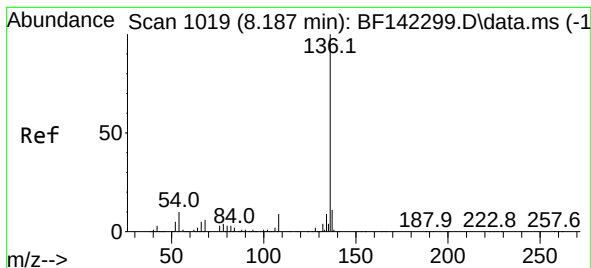
Tgt Ion:	70	Resp:	97394
Ion	Ratio	Lower	Upper
70	100		
42	73.5	54.8	82.2
101	9.7	7.7	11.5
130	20.6	17.4	26.2



#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# 1019

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

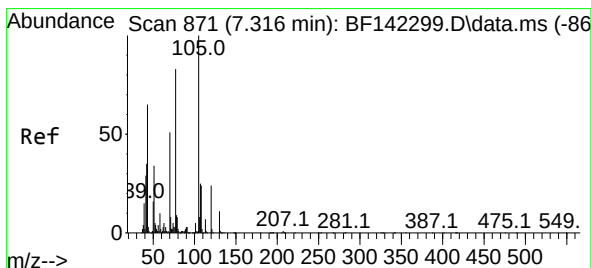
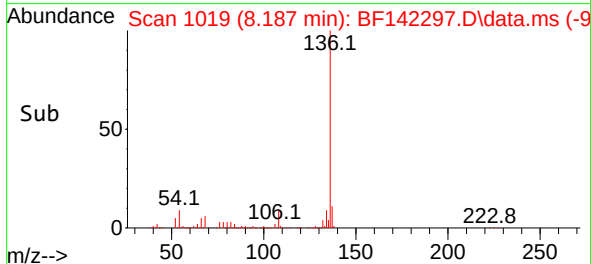
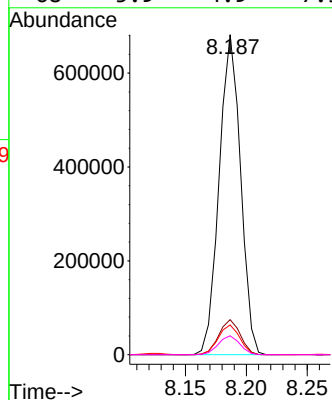
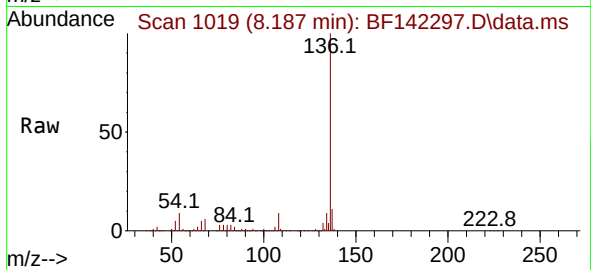
Ion Ratio Lower Upper

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

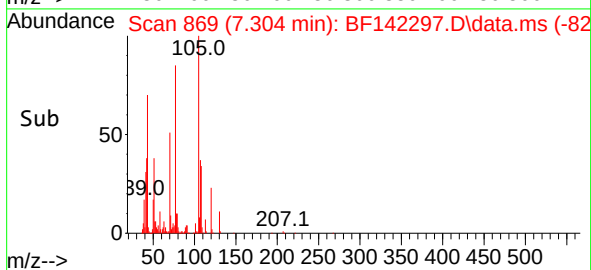
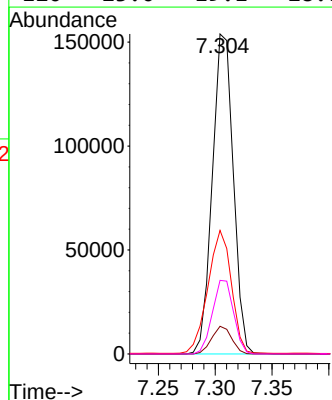
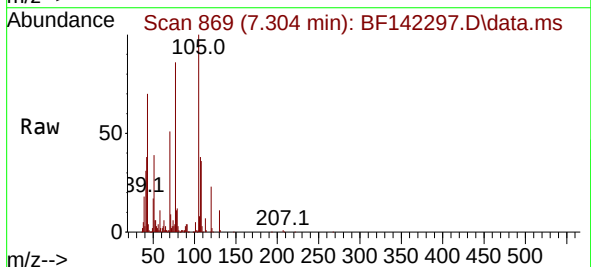
Ion Ratio Lower Upper

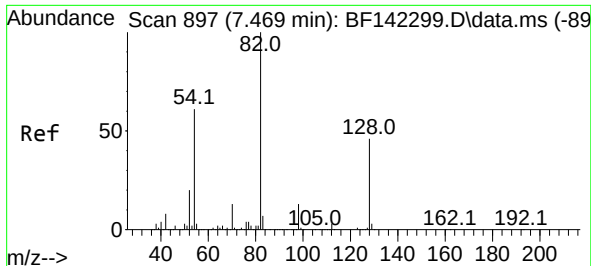
105 100

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# 896

Delta R.T. -0.006 min

Lab File: BF142297.D

Acq: 05 May 2025 14:52

Instrument :

BNA_F

ClientSampleId :

SSTDIC010

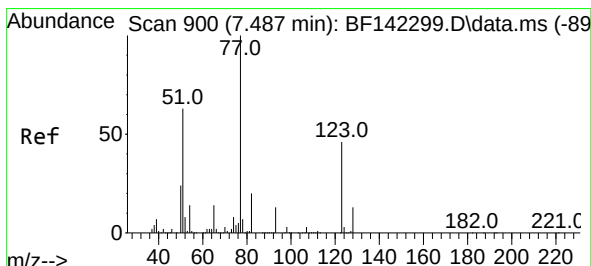
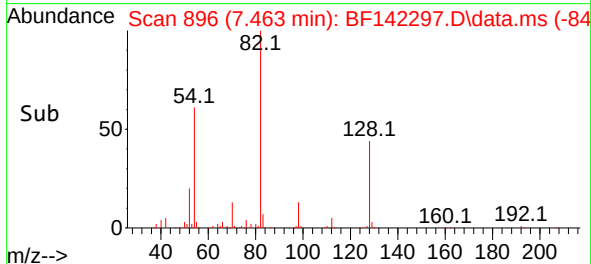
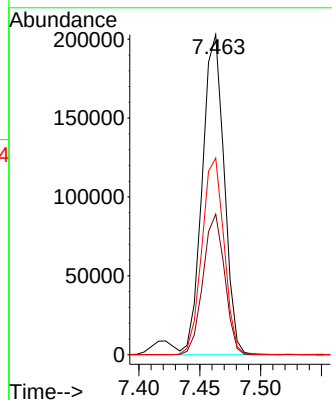
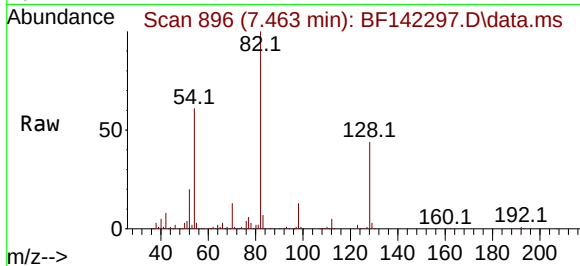
Tgt Ion: 82 Resp: 253451

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

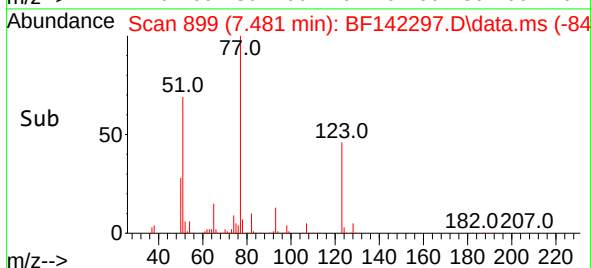
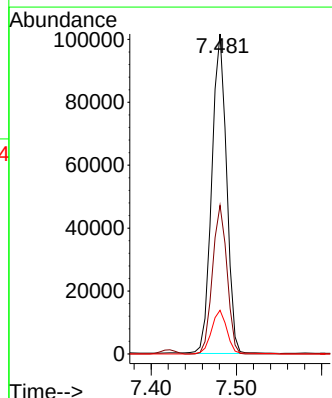
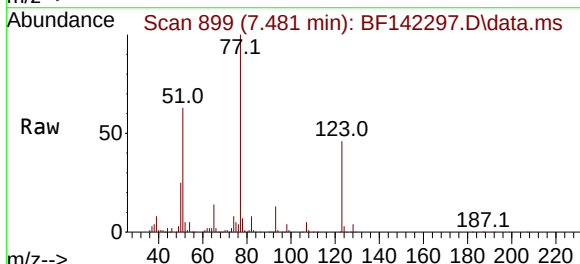
Tgt Ion: 77 Resp: 122267

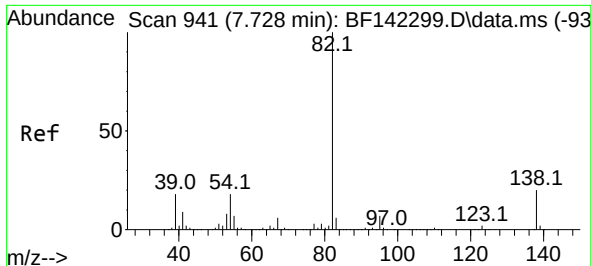
Ion Ratio Lower Upper

77 100

123 46.4 37.8 56.8

65 13.6 11.4 17.0

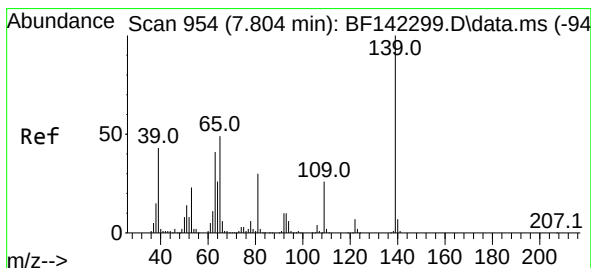
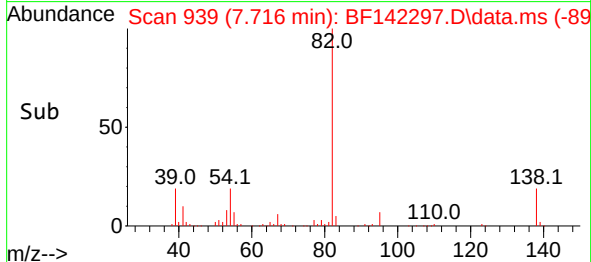
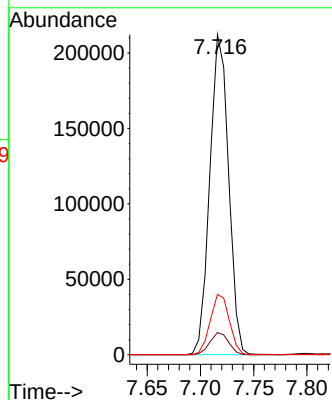
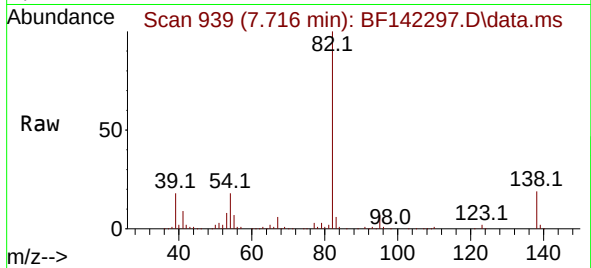




#25
Isophorone
Concen: 10.039 ng
RT: 7.716 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

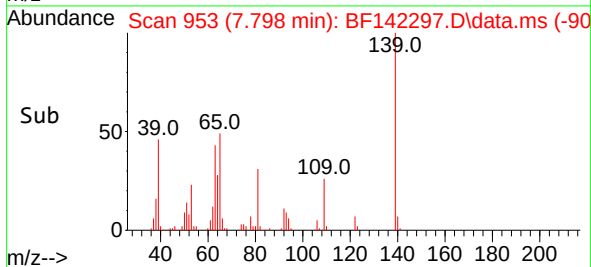
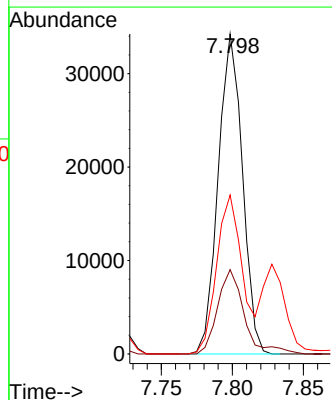
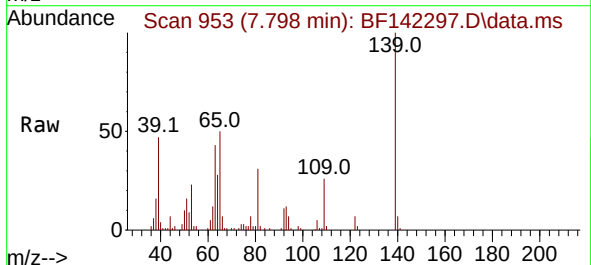
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

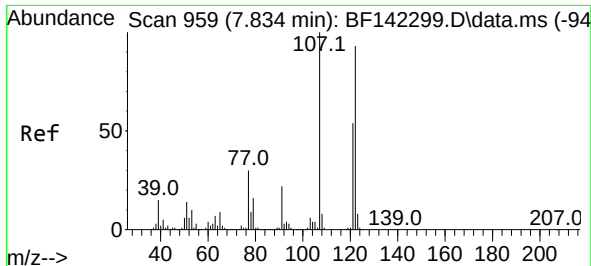
Tgt Ion: 82 Resp: 259962
Ion Ratio Lower Upper
82 100
95 6.9 5.8 8.8
138 18.9 16.1 24.1



#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# 910

Delta R.T. -0.006 min

Lab File: BF142297.D

Acq: 05 May 2025 14:52

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

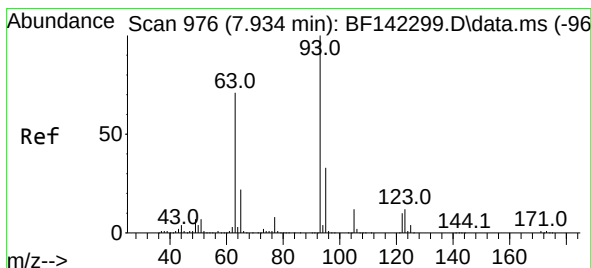
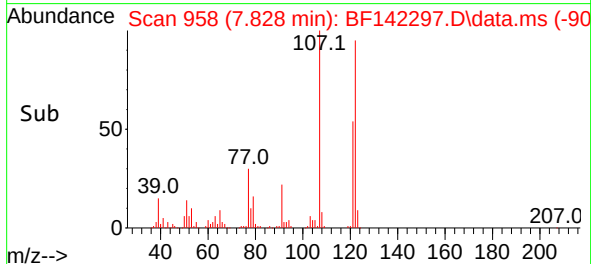
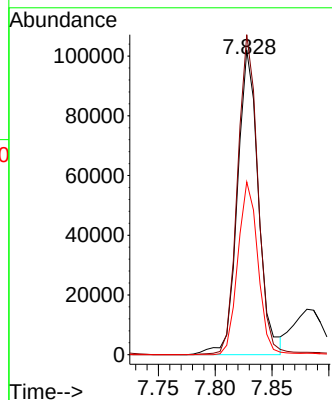
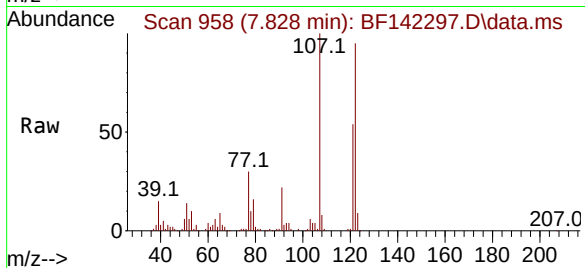
Tgt Ion:122 Resp: 131079

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

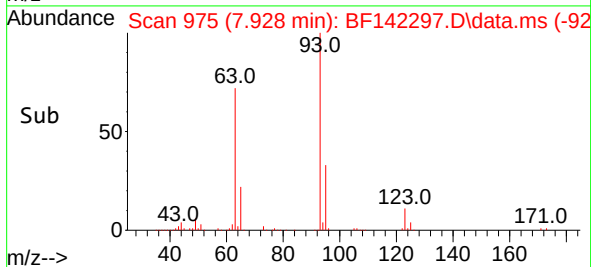
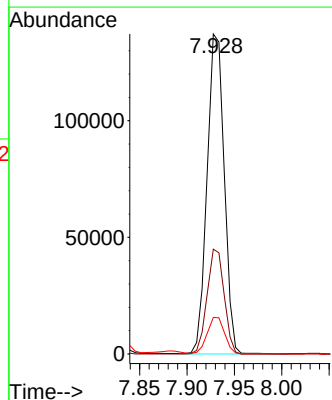
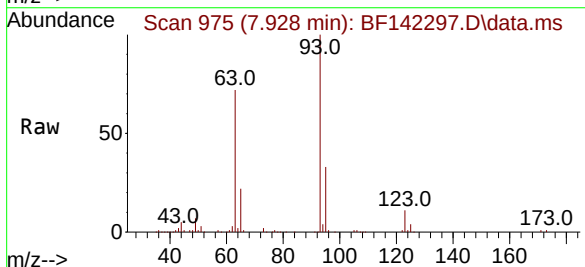
Tgt Ion: 93 Resp: 172734

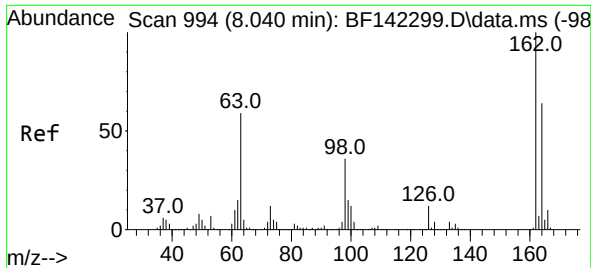
Ion Ratio Lower Upper

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# 994

Delta R.T. -0.006 min

Lab File: BF142297.D

Acq: 05 May 2025 14:52

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

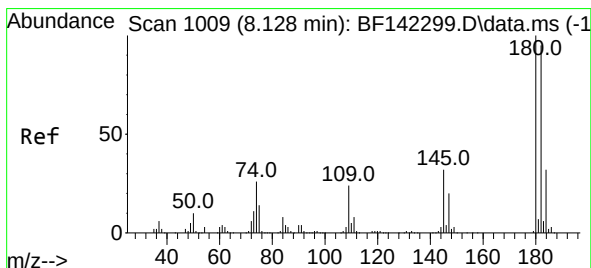
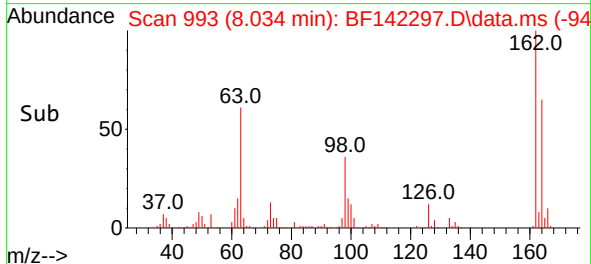
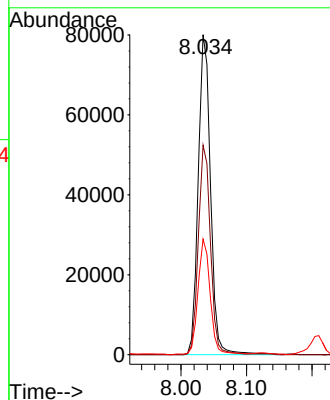
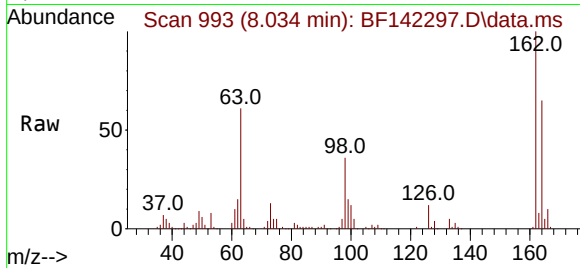
Tgt Ion:162 Resp: 104807

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

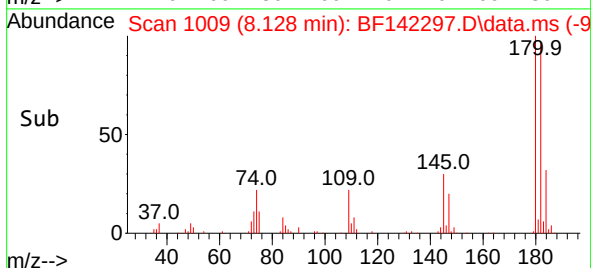
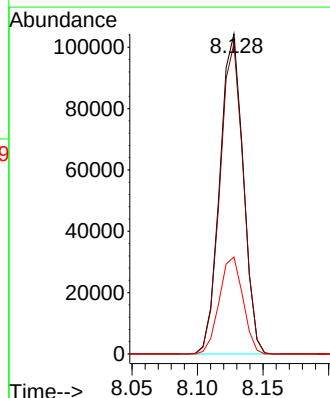
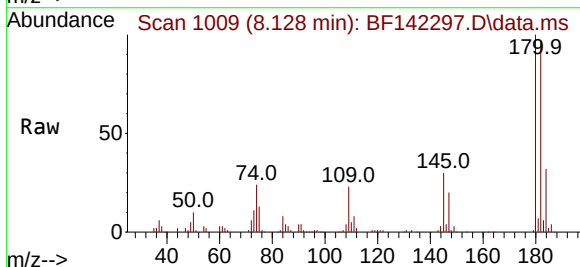
Tgt Ion:180 Resp: 129041

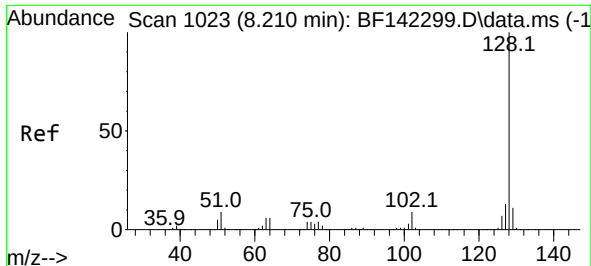
Ion Ratio Lower Upper

180 100

182 96.9 76.2 114.4

145 30.3 25.8 38.6

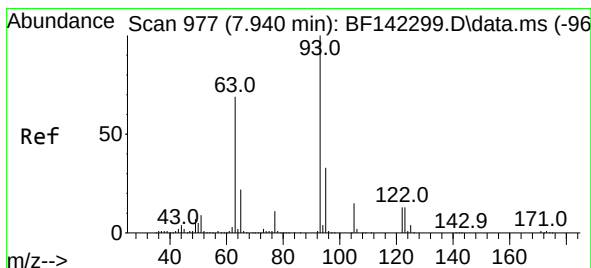
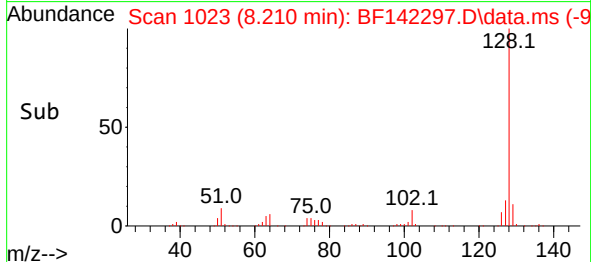
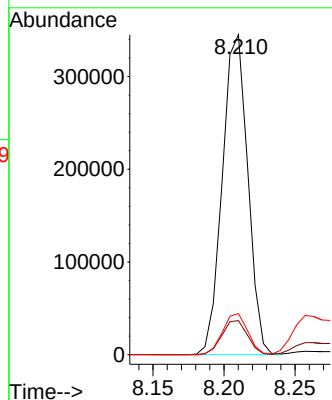
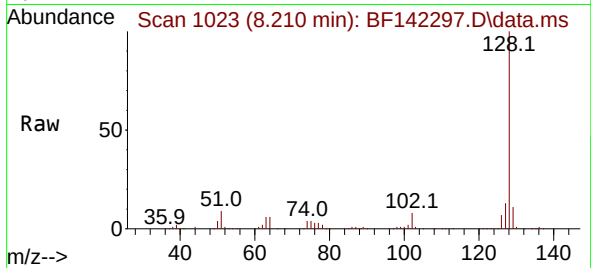




#31
Naphthalene
Concen: 10.638 ng
RT: 8.210 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

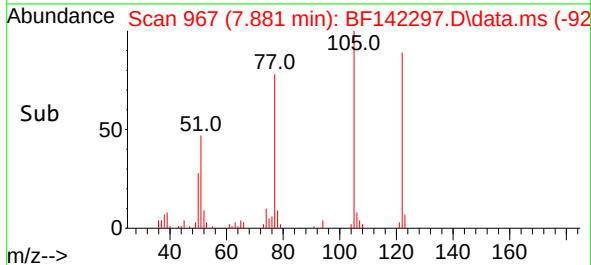
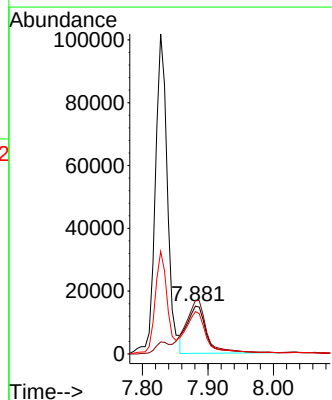
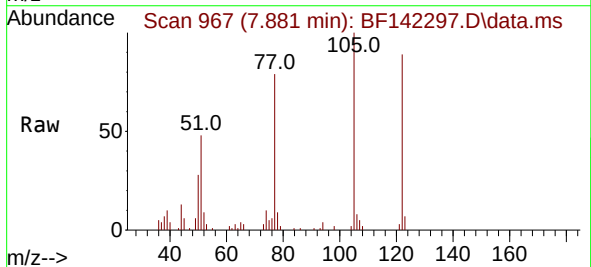
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

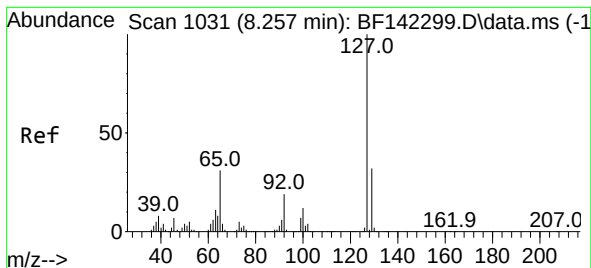
Tgt Ion:128 Resp: 429996
Ion Ratio Lower Upper
128 100
129 10.7 9.1 13.7
127 12.8 10.5 15.7



#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# 1031

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

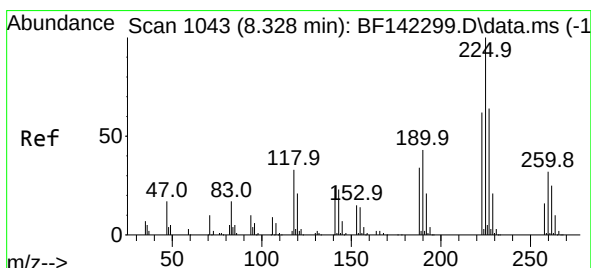
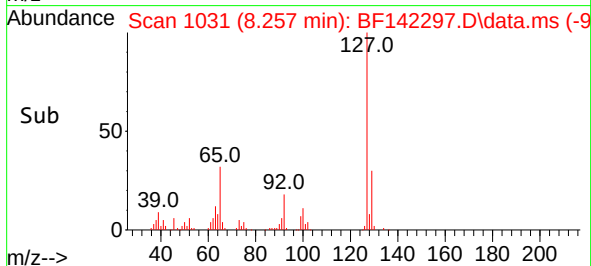
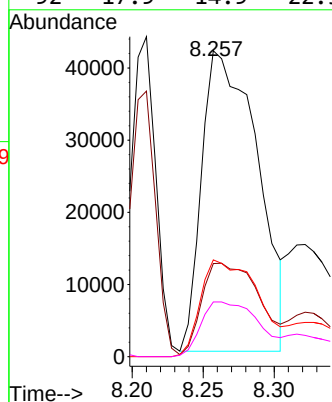
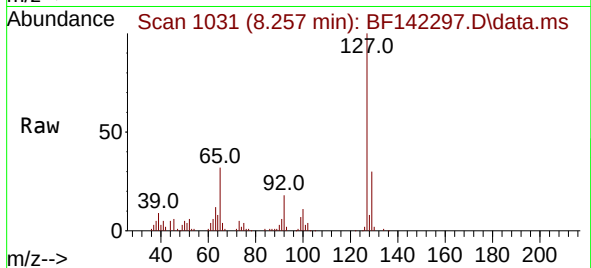
Ion Ratio Lower Upper

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

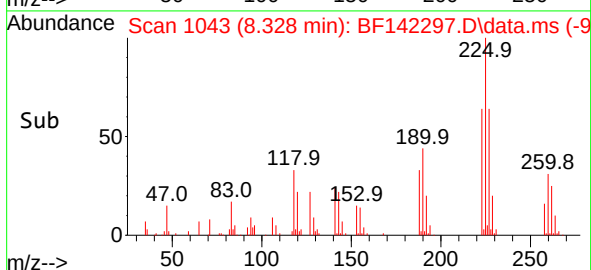
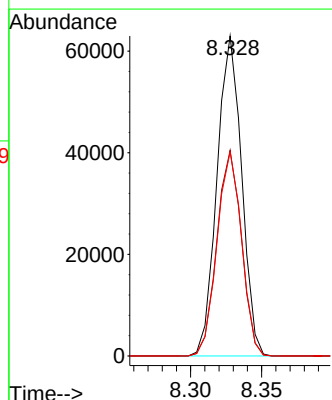
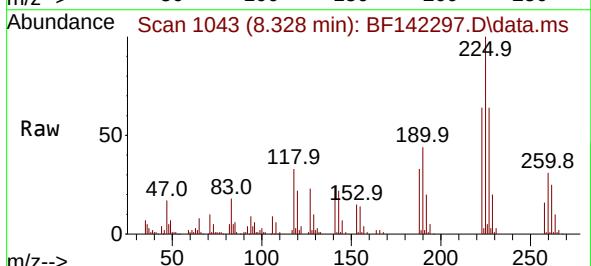
Tgt Ion:225 Resp: 75921

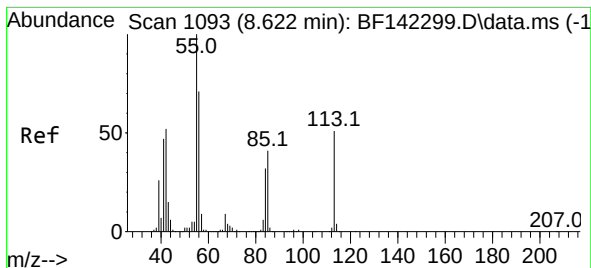
Ion Ratio Lower Upper

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# 1107

Delta R.T. -0.035 min

Lab File: BF142297.D

Acq: 05 May 2025 14:52

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

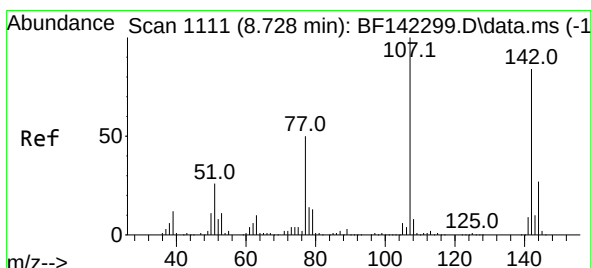
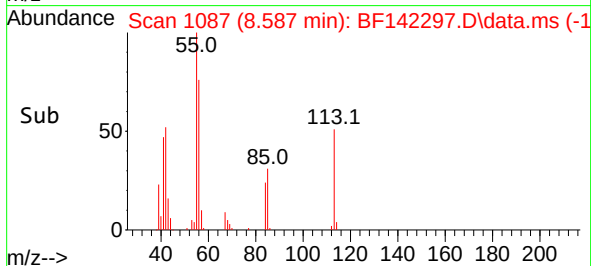
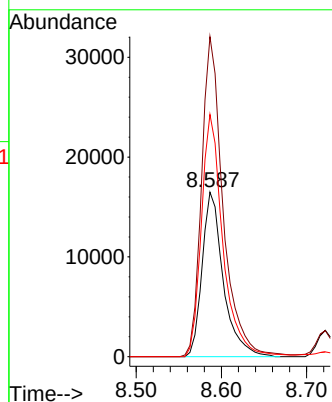
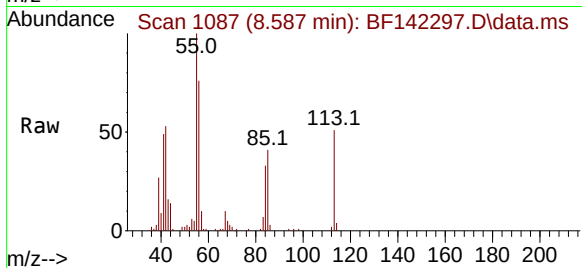
Tgt Ion:113 Resp: 28438

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

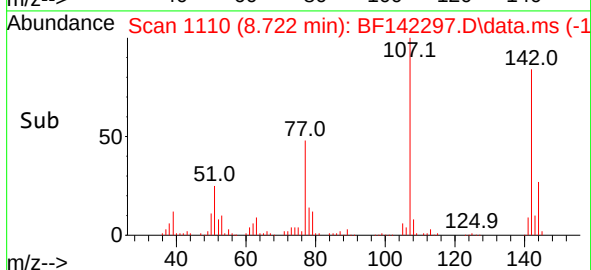
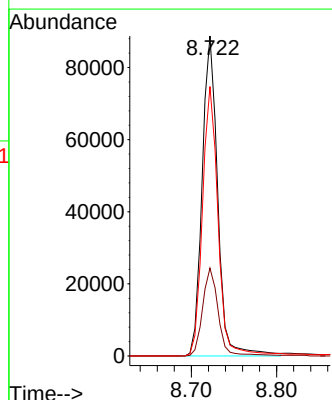
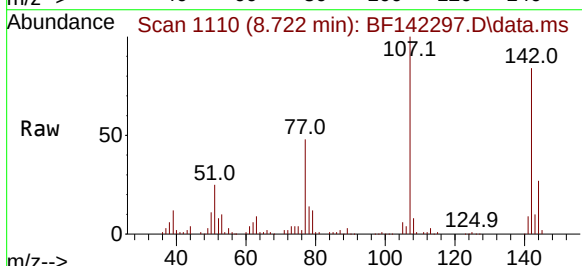
Tgt Ion:107 Resp: 112762

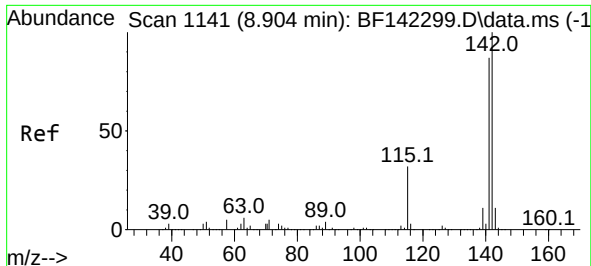
Ion Ratio Lower Upper

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# 1140

Delta R.T. -0.006 min

Lab File: BF142297.D

Acq: 05 May 2025 14:52

Instrument :

BNA_F

ClientSampleId :

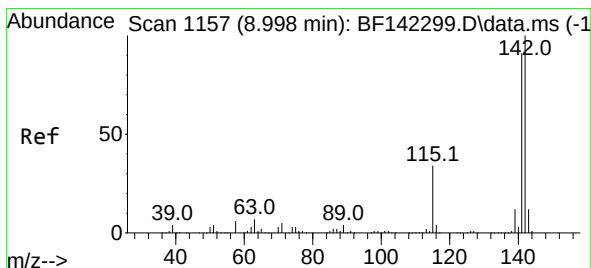
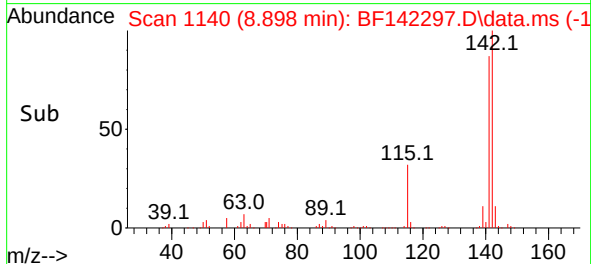
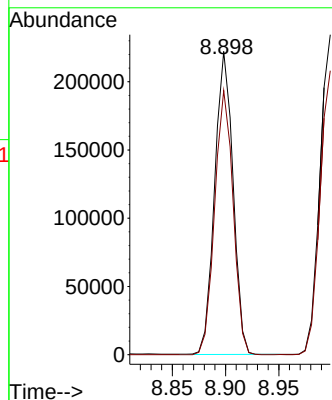
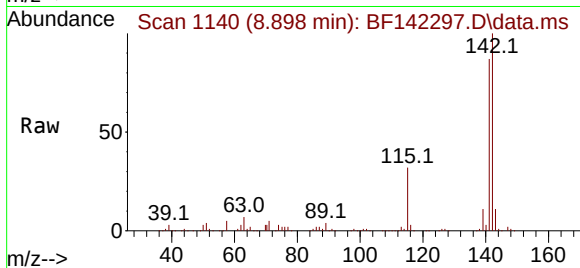
SSTDICC010

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

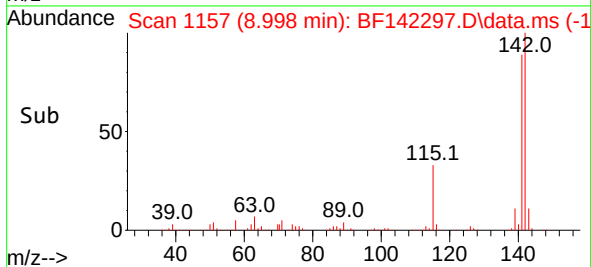
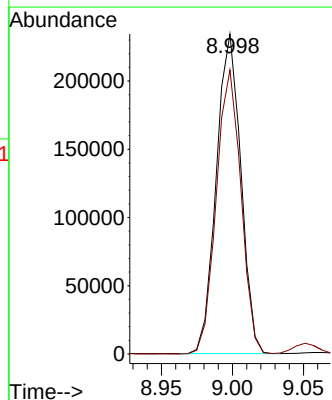
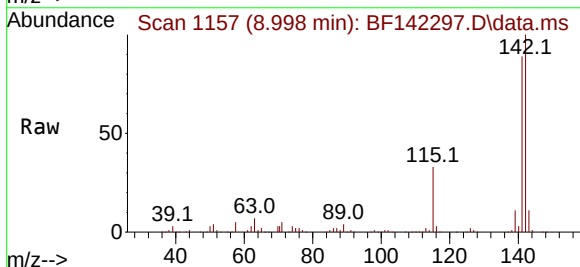
Acq: 05 May 2025 14:52

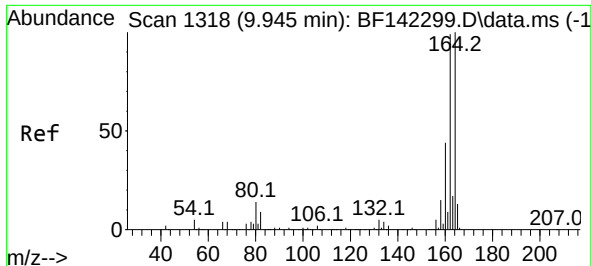
Tgt Ion:142 Resp: 281289

Ion Ratio Lower Upper

142 100

141 88.8 72.5 108.7

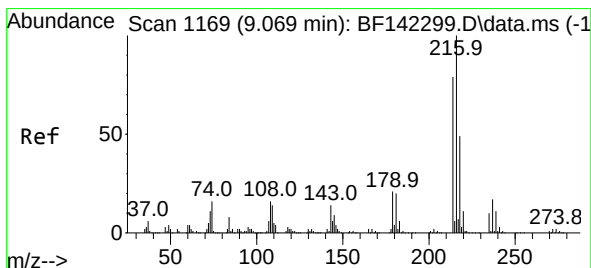
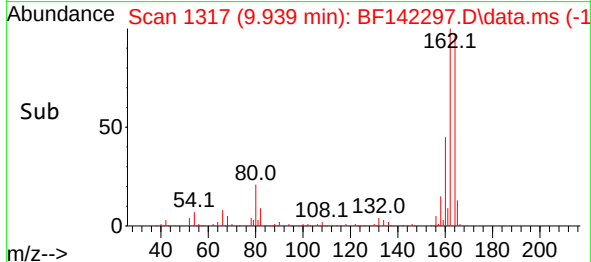
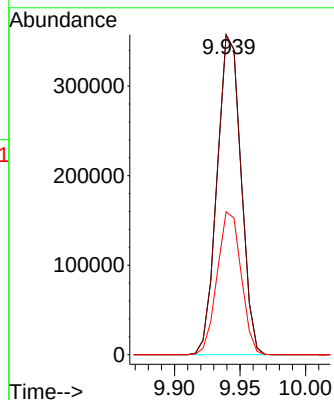
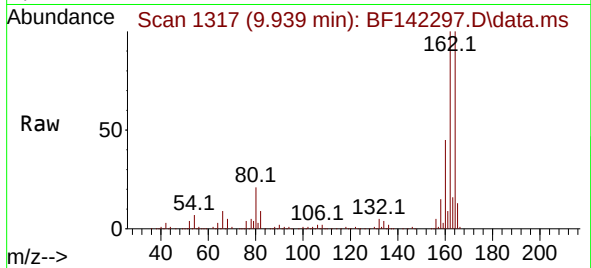




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1116
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

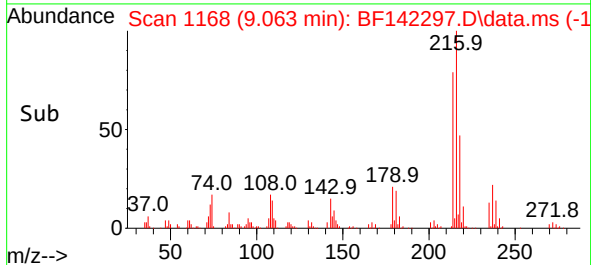
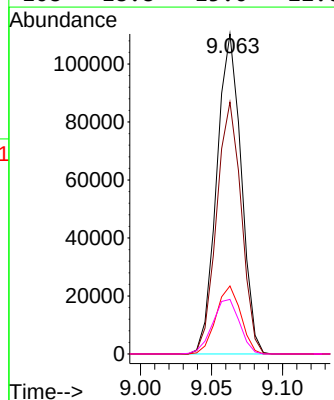
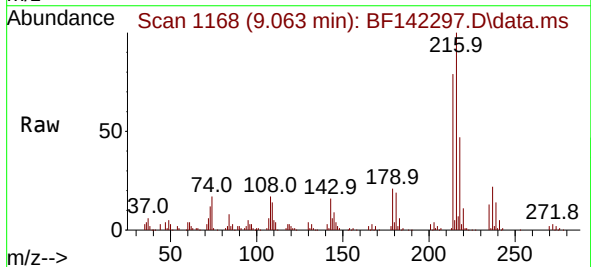
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

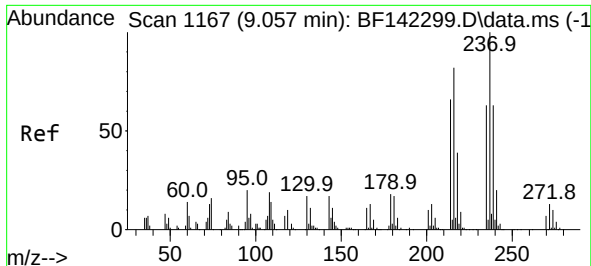
Tgt Ion:164 Resp: 451658
Ion Ratio Lower Upper
164 100
162 99.9 79.2 118.8
160 44.7 35.3 52.9



#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

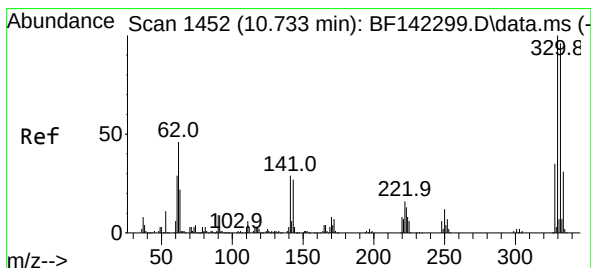
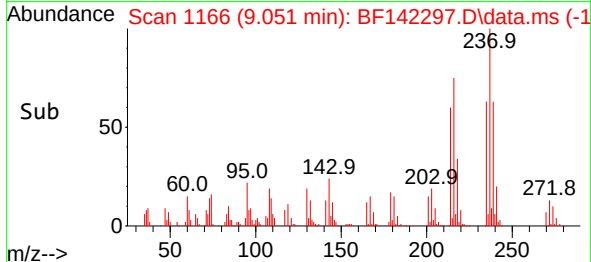
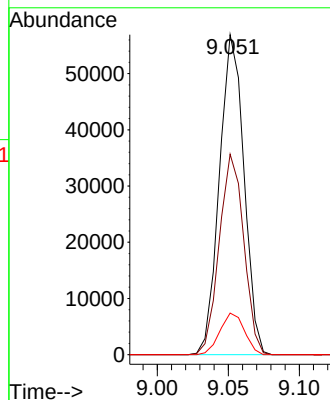
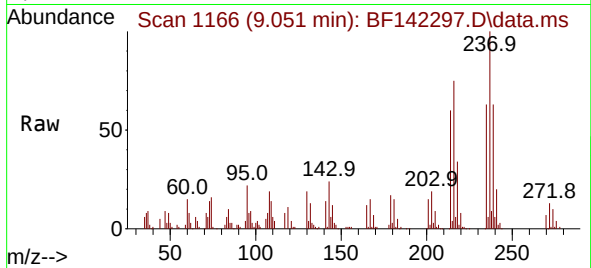




#41
Hexachlorocyclopentadiene
Concen: 8.764 ng
RT: 9.051 min Scan# 1166
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

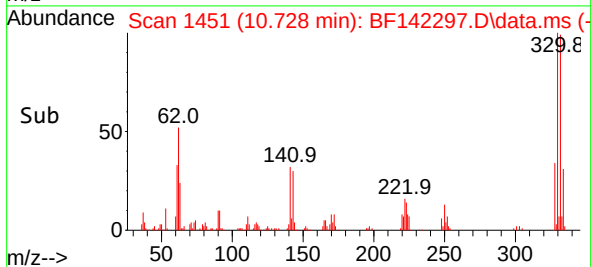
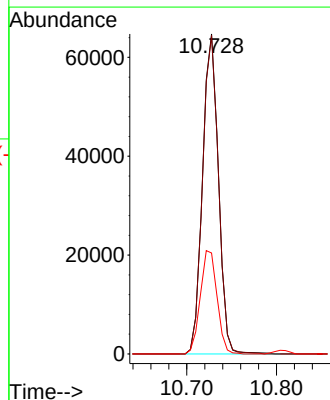
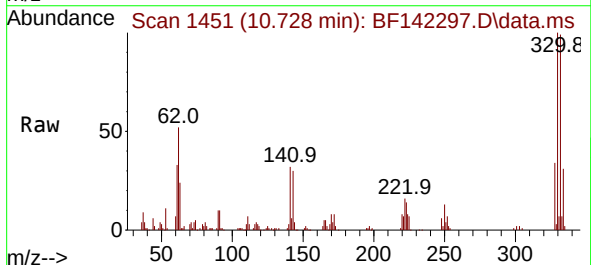
Instrument :
BNA_F
ClientSampleId :
SSTDIC010

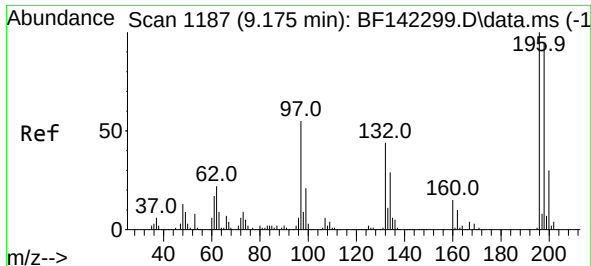
Tgt Ion:237 Resp: 68324
Ion Ratio Lower Upper
237 100
235 62.6 42.8 82.8
272 13.0 0.0 33.0



#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# 1186

Delta R.T. -0.006 min

Lab File: BF142297.D

Acq: 05 May 2025 14:52

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

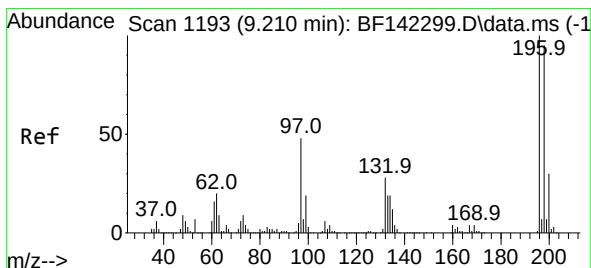
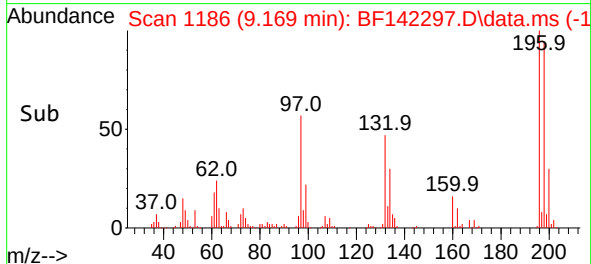
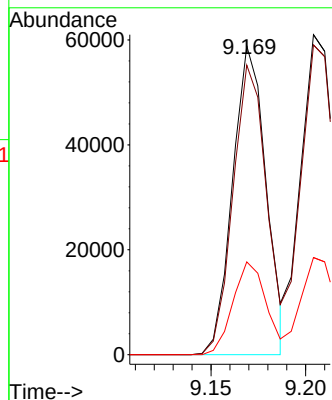
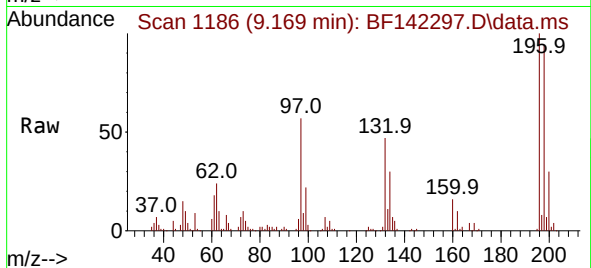
Tgt Ion:196 Resp: 72234

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

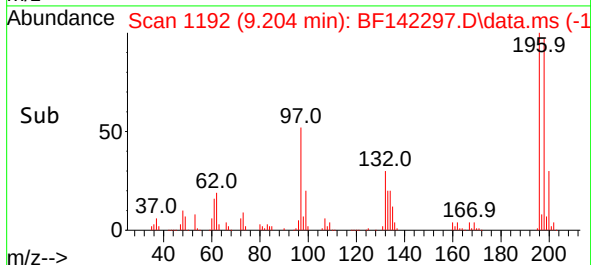
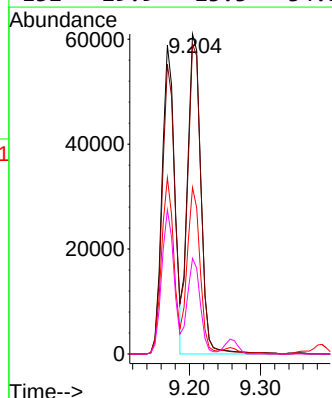
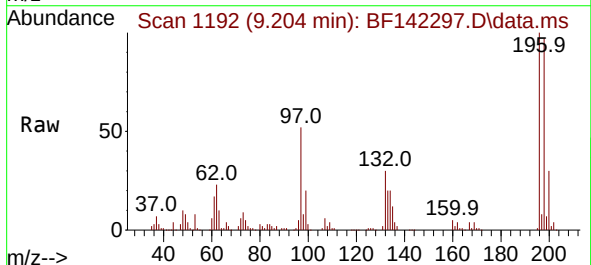
Ion Ratio Lower Upper

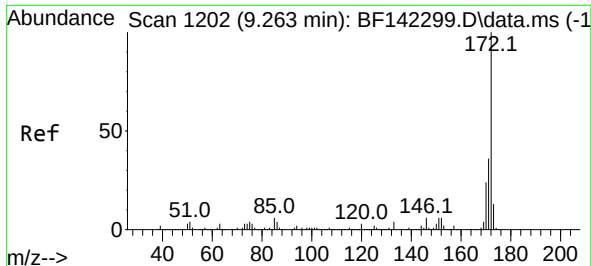
196 100

198 96.8 76.1 114.1

97 52.1 39.0 58.4

132 29.9 23.3 34.9

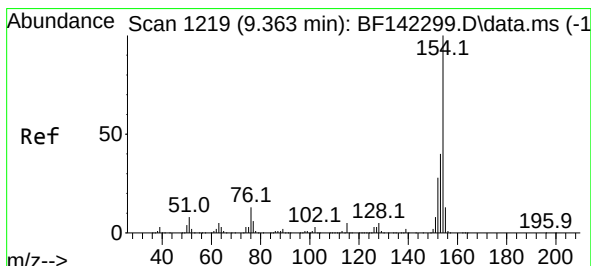
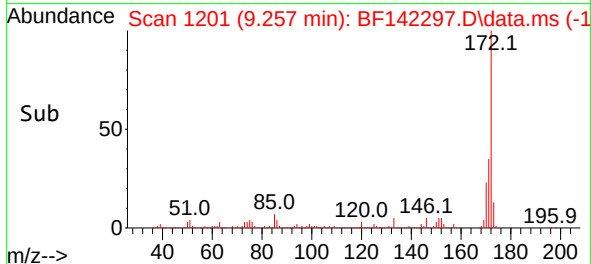
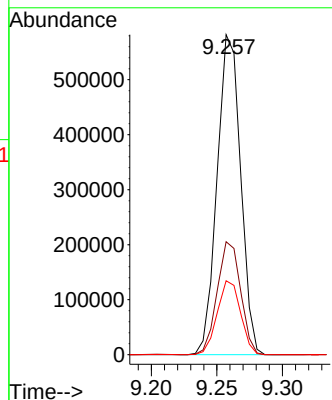
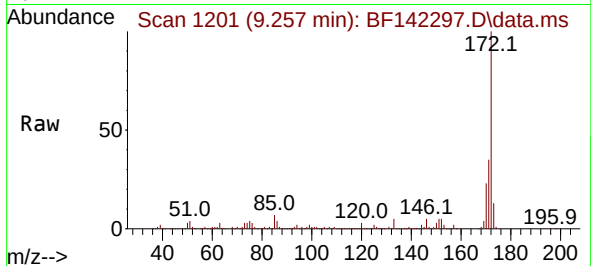




#45
2-Fluorobiphenyl
Concen: 22.888 ng
RT: 9.257 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

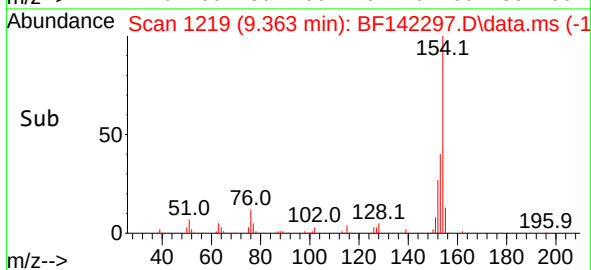
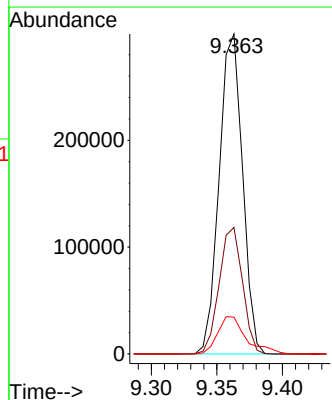
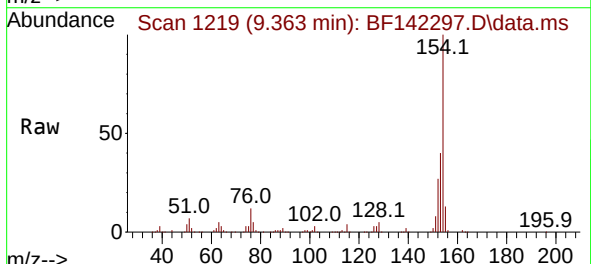
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

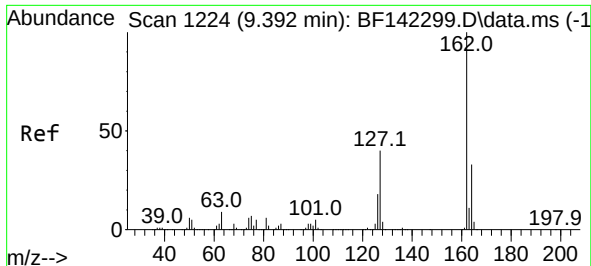
Tgt Ion:172 Resp: 725000
Ion Ratio Lower Upper
172 100
171 35.3 28.6 42.8
170 23.1 19.0 28.4



#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# 11

Delta R.T. -0.006 min

Lab File: BF142297.D

Acq: 05 May 2025 14:52

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

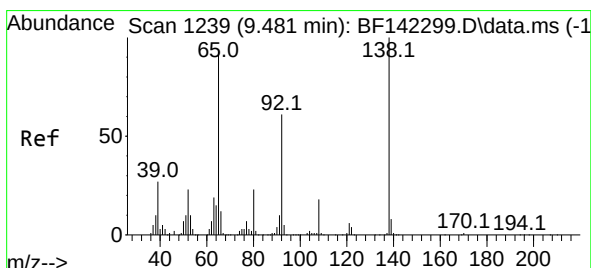
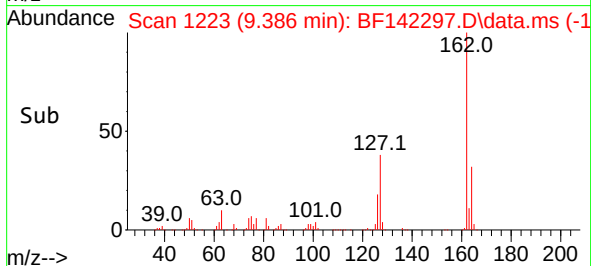
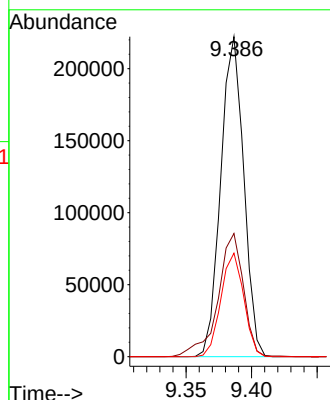
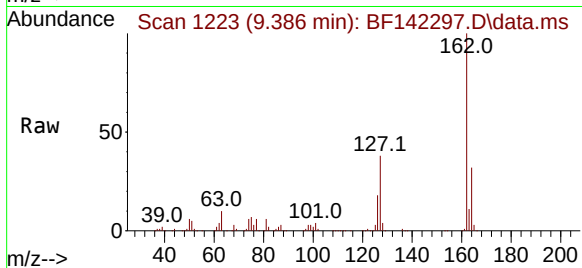
Tgt Ion:162 Resp: 270501

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

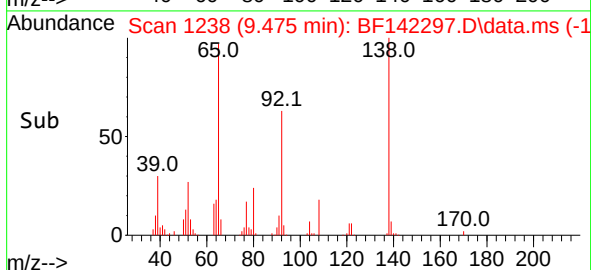
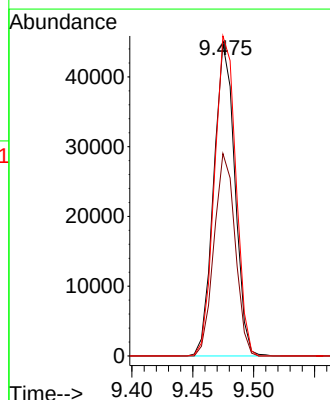
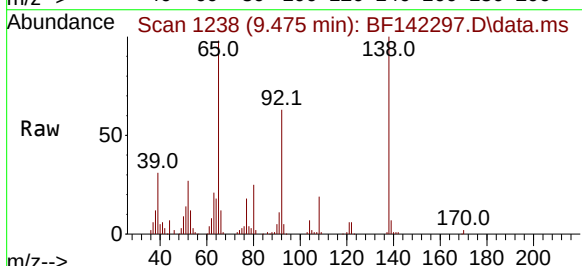
Tgt Ion: 65 Resp: 54180

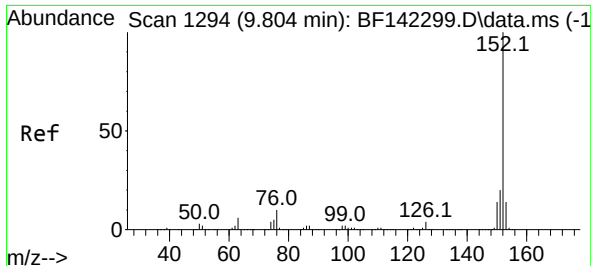
Ion Ratio Lower Upper

65 100

92 64.8 52.3 78.5

138 102.5 85.6 128.4

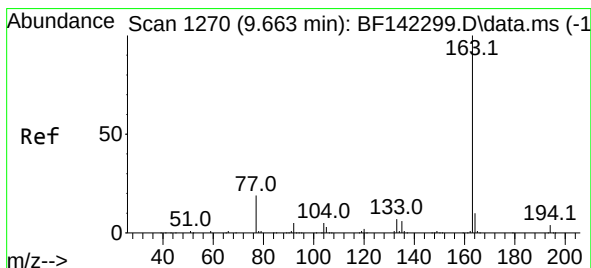
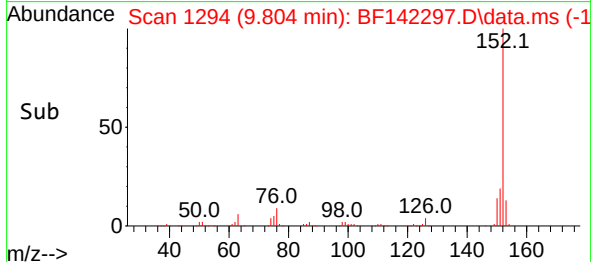
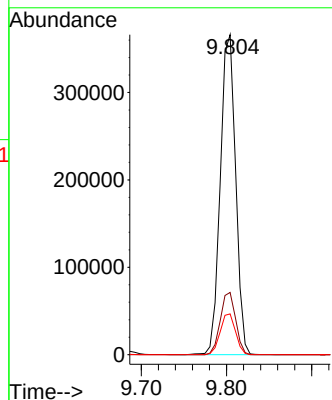
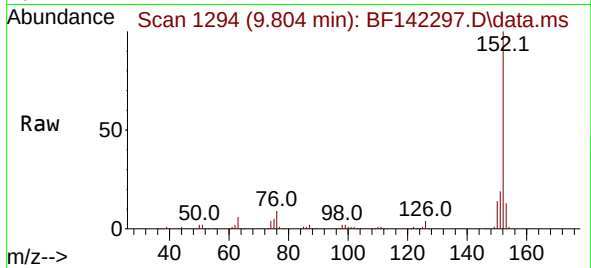




#49
Acenaphthylene
Concen: 10.616 ng
RT: 9.804 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

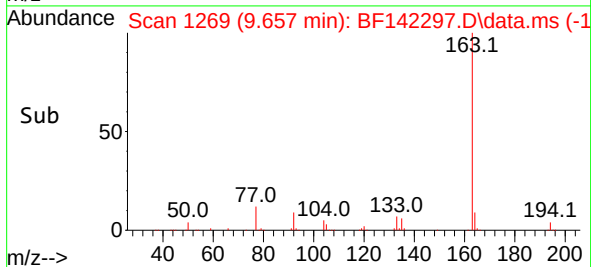
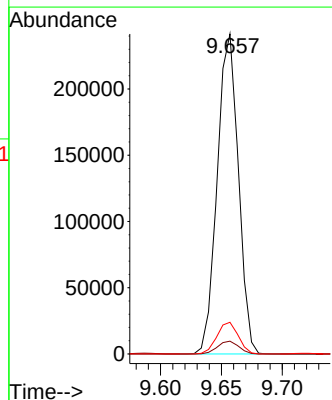
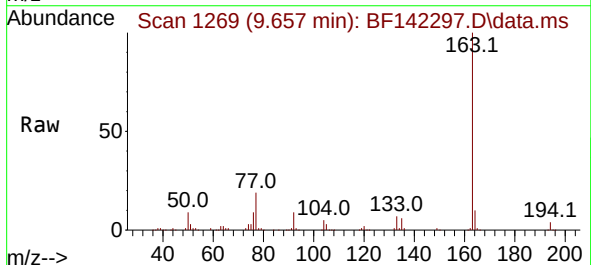
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

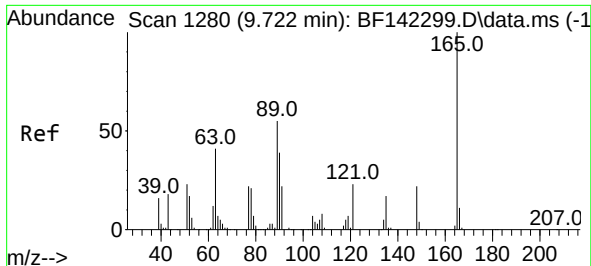
Tgt Ion:152 Resp: 457356
Ion Ratio Lower Upper
152 100
151 19.5 16.0 24.0
153 12.7 10.8 16.2



#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

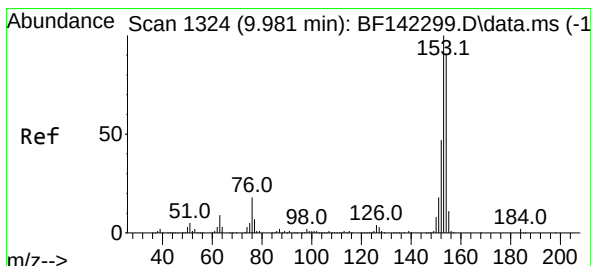
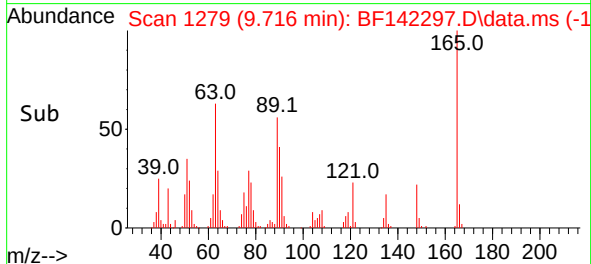
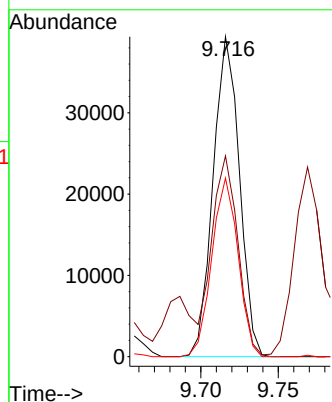
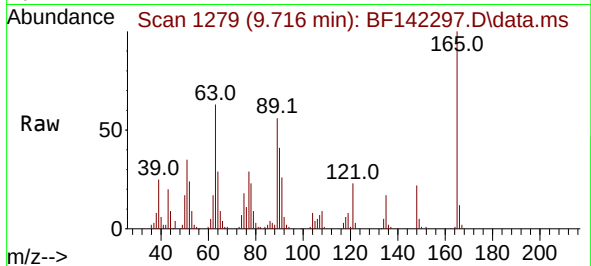




#51
2,6-Dinitrotoluene
Concen: 8.551 ng
RT: 9.716 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

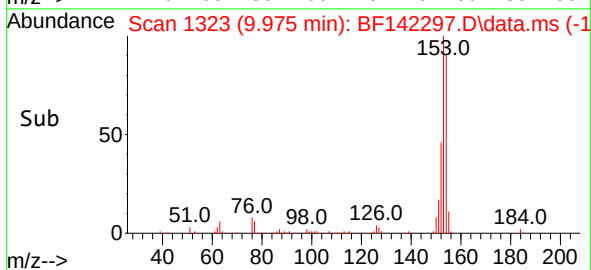
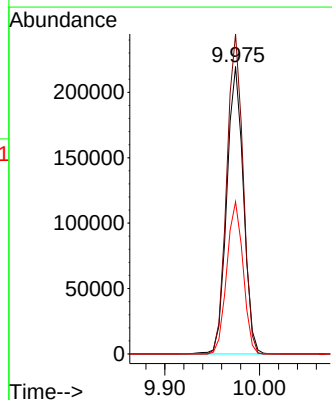
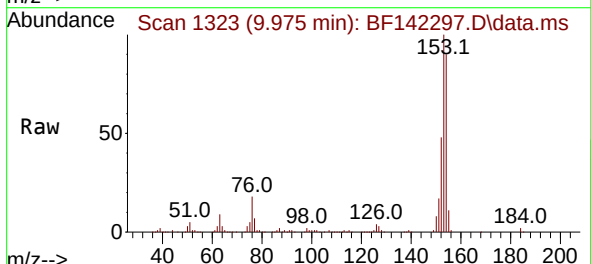
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

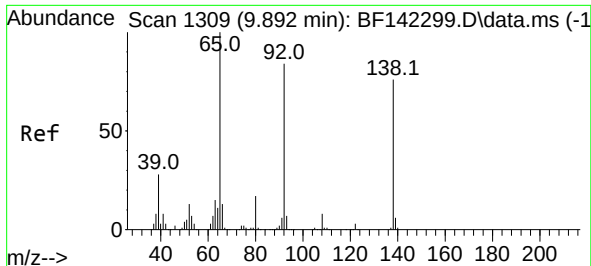
Tgt Ion:165 Resp: 46421
Ion Ratio Lower Upper
165 100
63 62.8 49.5 74.3
89 55.8 44.6 66.8



#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

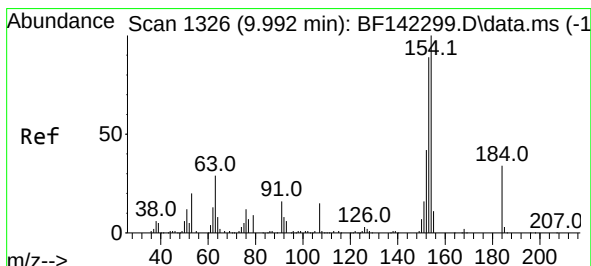
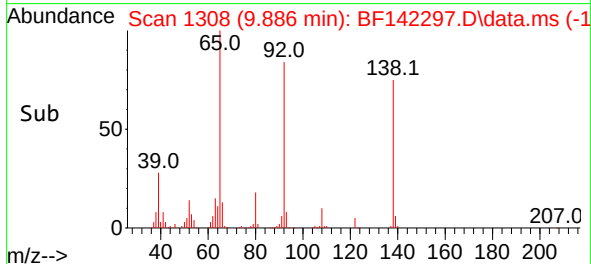
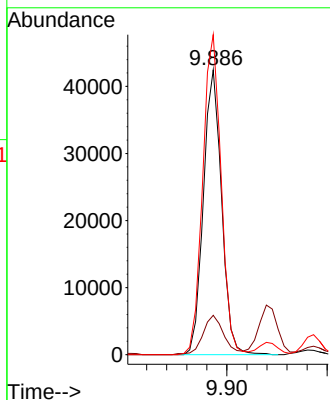
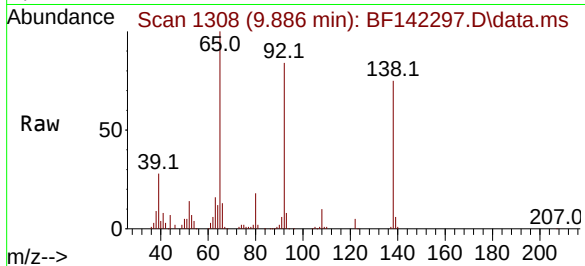




#53
3-Nitroaniline
Concen: 8.443 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

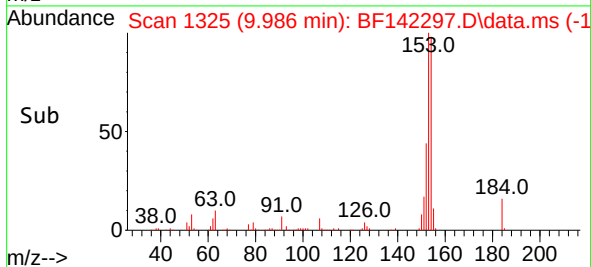
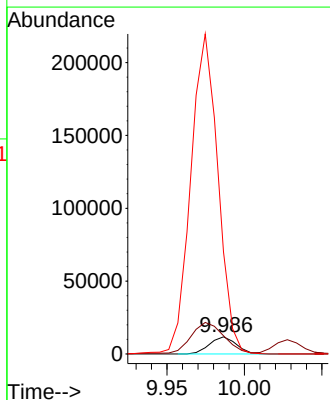
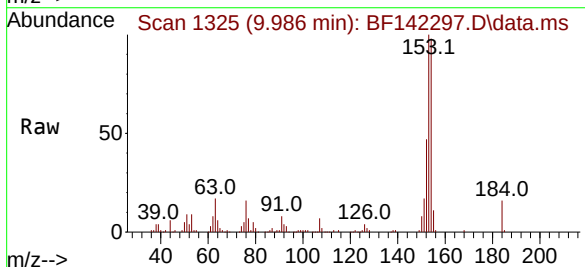
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

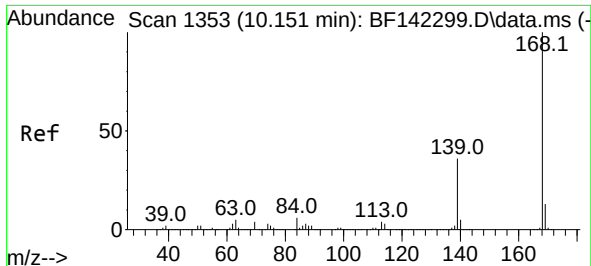
Tgt Ion:138 Resp: 53755
Ion Ratio Lower Upper
138 100
108 13.8 8.7 13.1#
92 112.4 89.5 134.3



#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#

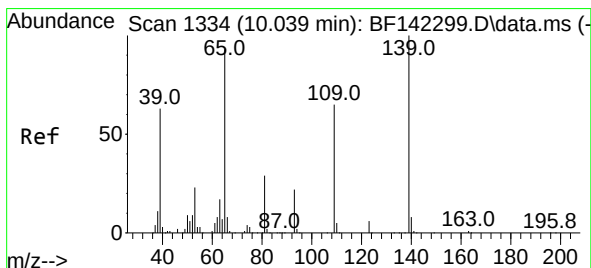
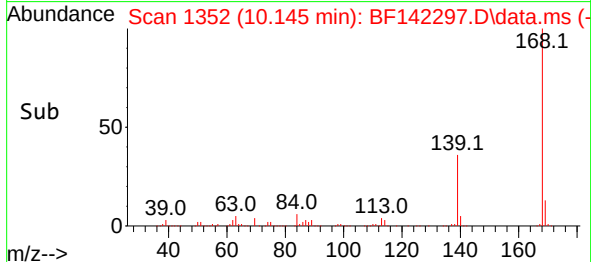
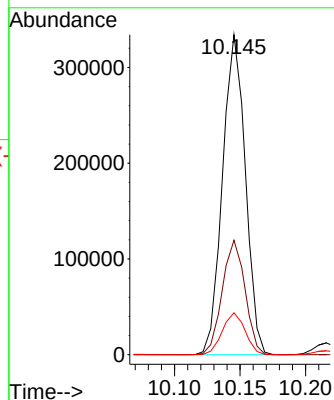
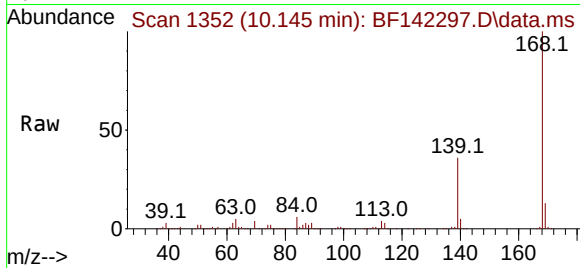




#55
Dibenzenofuran
Concen: 10.573 ng
RT: 10.145 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

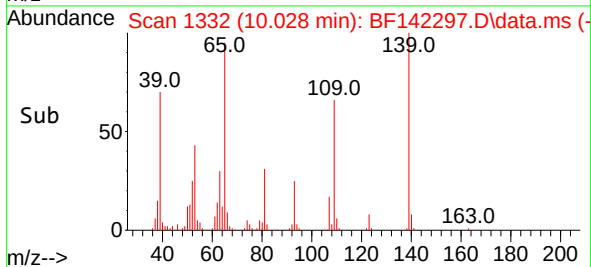
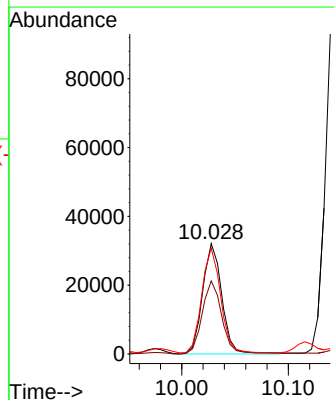
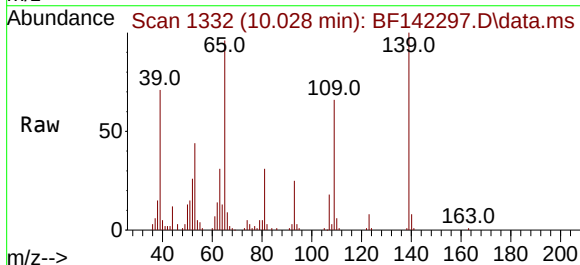
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

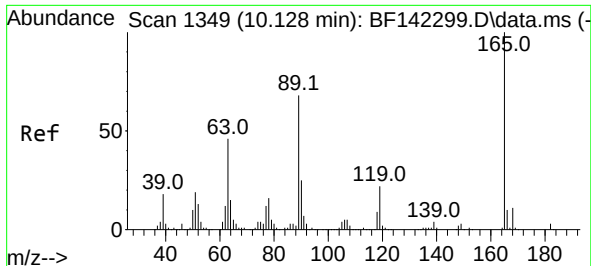
Tgt Ion:168 Resp: 404214
Ion Ratio Lower Upper
168 100
139 35.7 29.0 43.4
169 13.1 10.7 16.1



#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

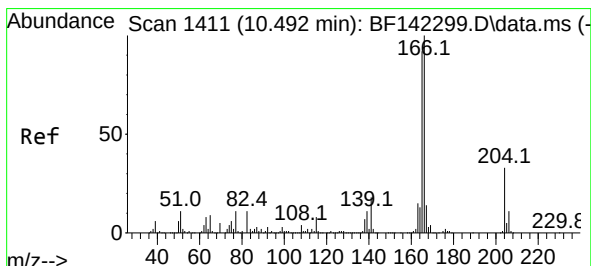
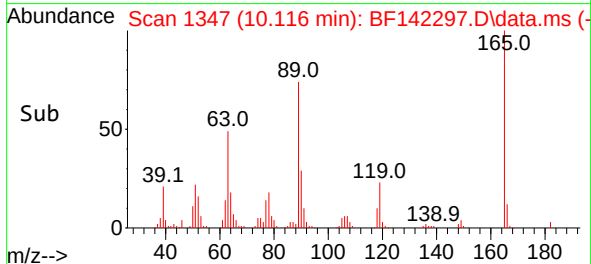
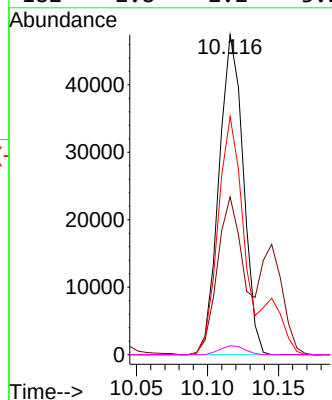
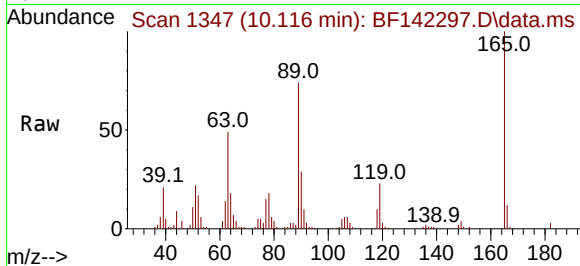




#57
2,4-Dinitrotoluene
Concen: 8.120 ng
RT: 10.116 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

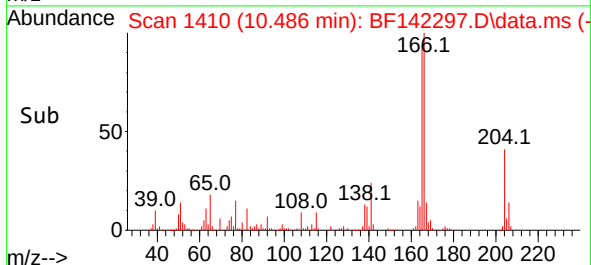
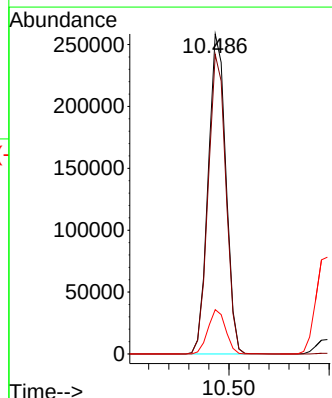
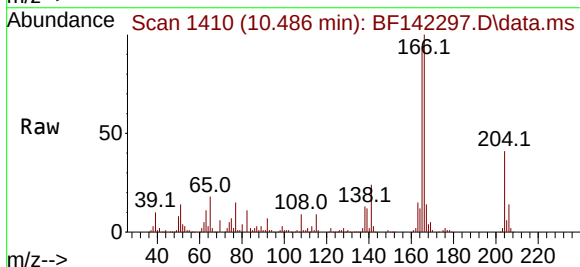
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

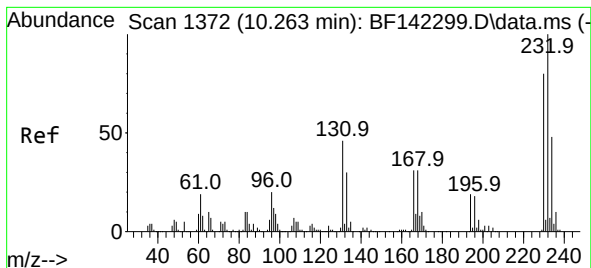
Tgt Ion:165 Resp: 56545
Ion Ratio Lower Upper
165 100
63 49.3 37.1 55.7
89 74.4 54.4 81.6
182 2.8 2.2 3.2



#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

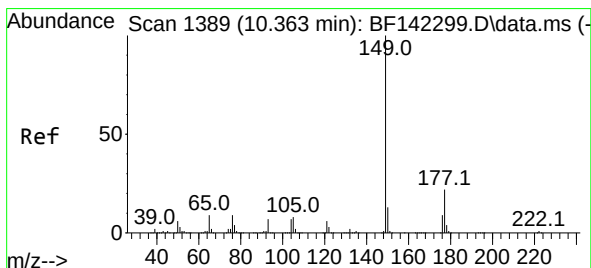
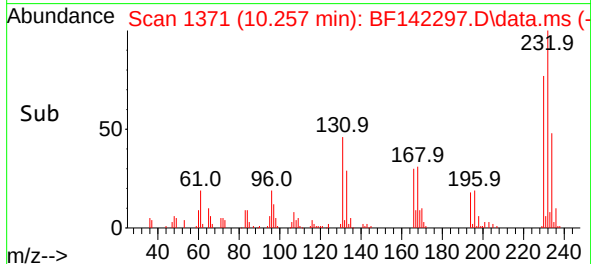
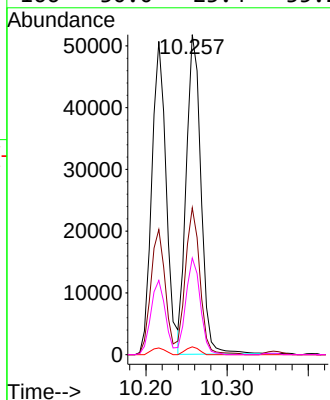
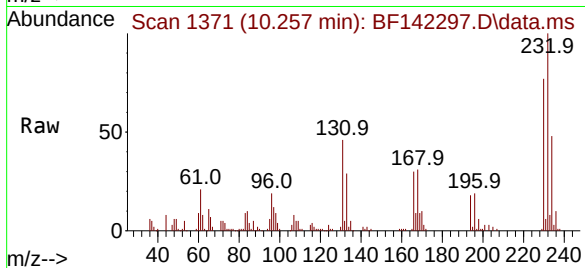




#59
2,3,4,6-Tetrachlorophenol
Concen: 9.316 ng
RT: 10.257 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

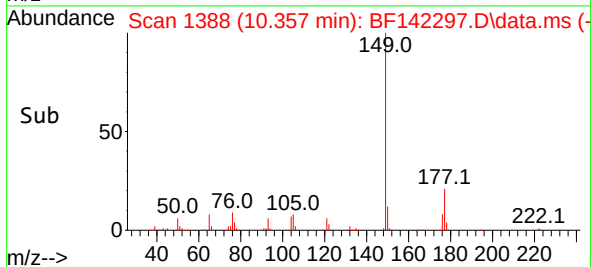
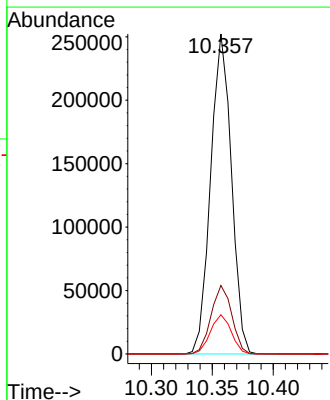
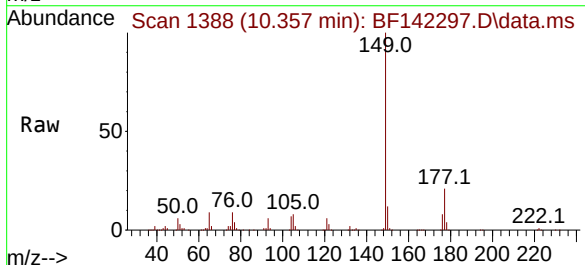
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BNA_F
ClientSampleId :
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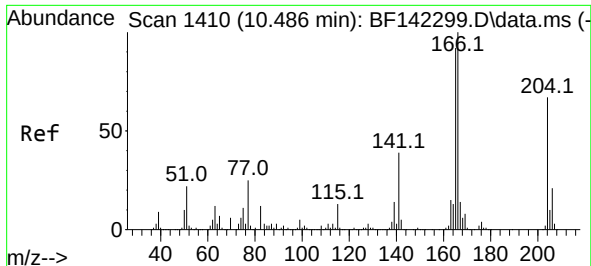
Tgt Ion:232 Resp: 65106
Ion Ratio Lower Upper
232 100
131 46.1 36.0 54.0
130 2.2 1.8 2.6
166 30.0 23.4 35.2



#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

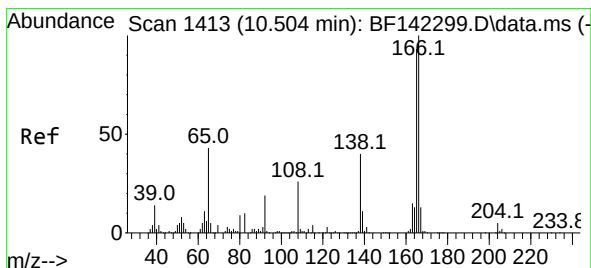
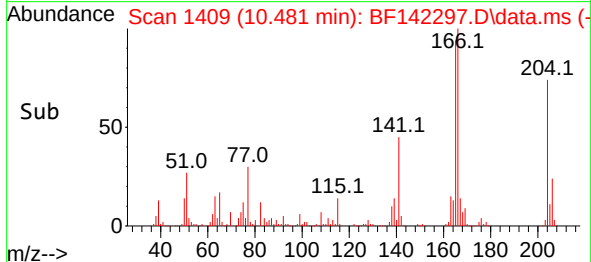
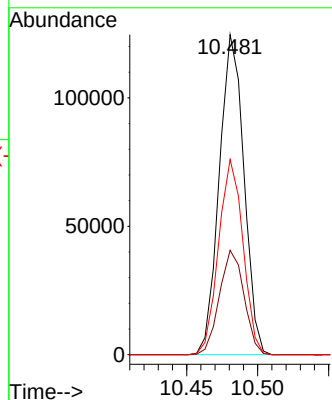
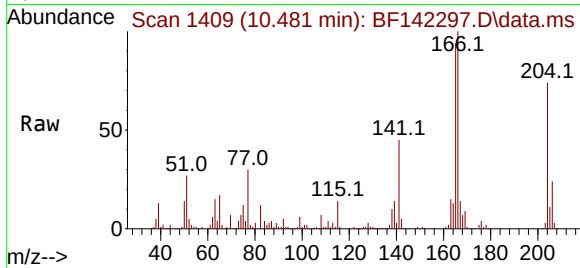




#61
4-Chlorophenyl-phenylether
Concen: 10.683 ng
RT: 10.481 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

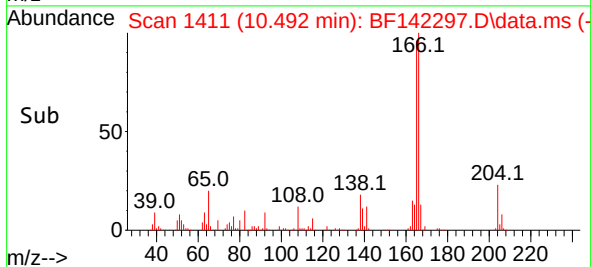
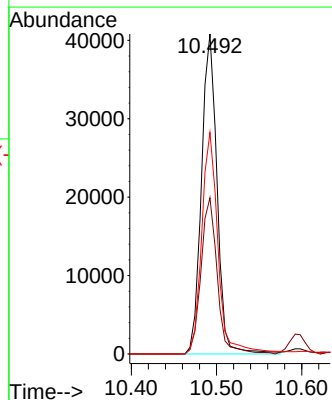
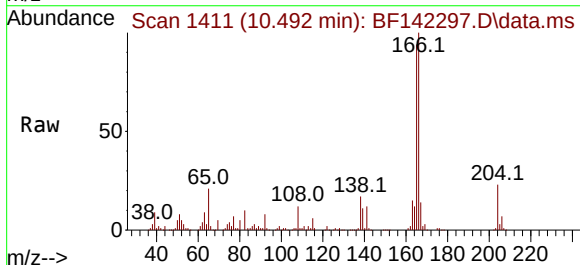
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

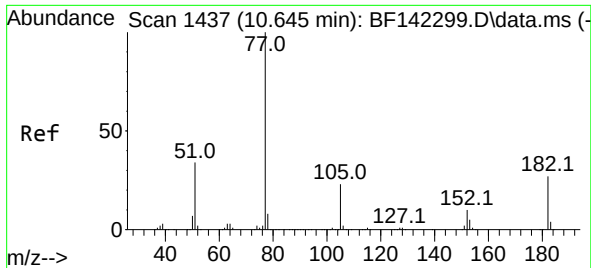
Tgt Ion:204 Resp: 150371
Ion Ratio Lower Upper
204 100
206 32.6 25.5 38.3
141 61.0 46.4 69.6



#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

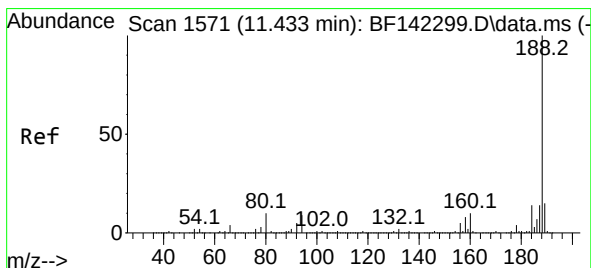
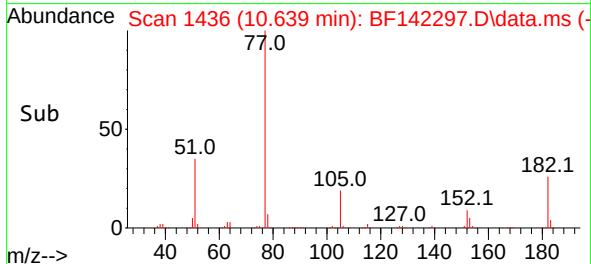
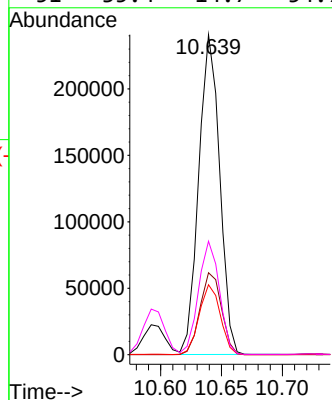
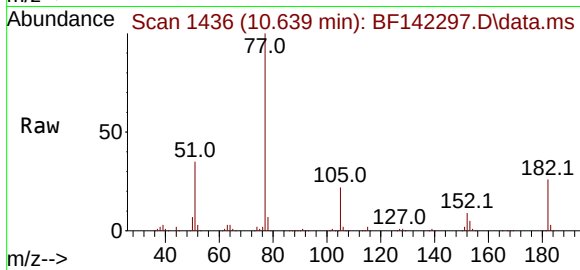




#63
 Azobenzene
 Concen: 10.372 ng
 RT: 10.639 min Scan# 14
 Delta R.T. -0.006 min
 Lab File: BF142297.D
 Acq: 05 May 2025 14:52

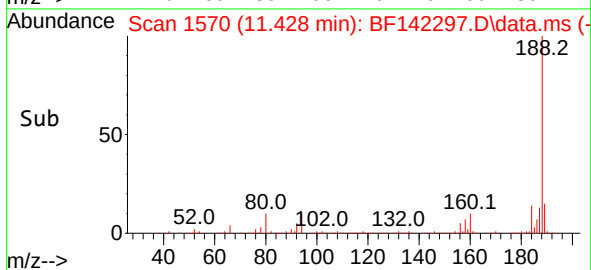
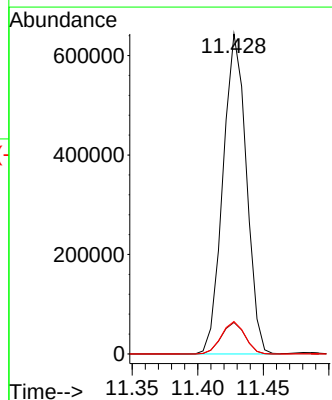
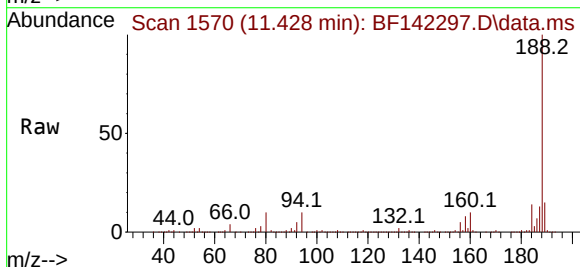
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

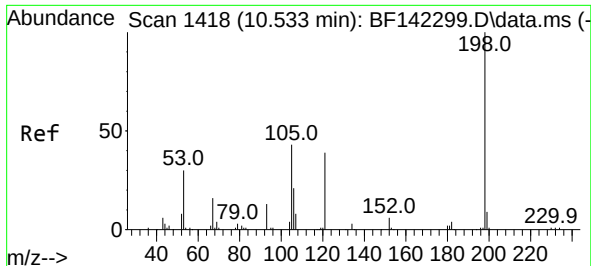
Tgt Ion: 77	Resp: 287064
Ion Ratio	Lower Upper
77 100	
182 25.6	6.9 46.9
105 21.9	2.7 42.7
51 35.4	14.7 54.7



#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

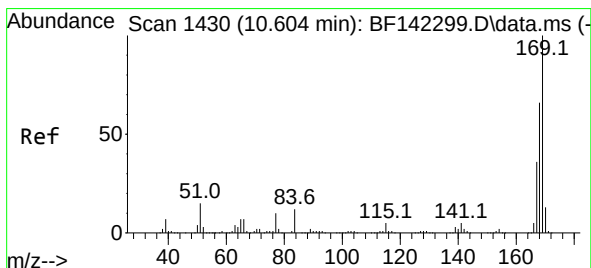
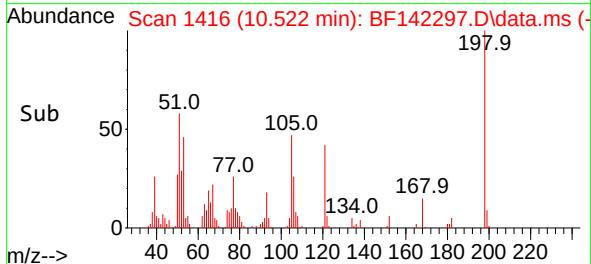
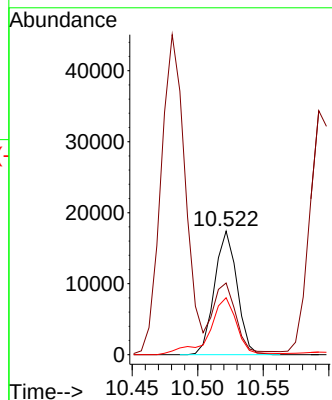
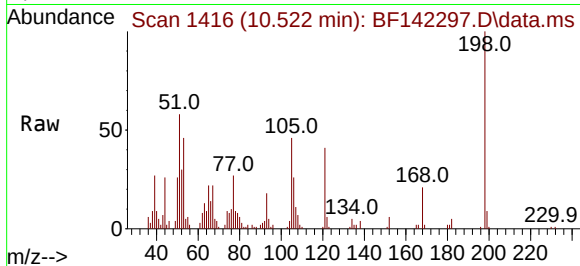




#65
4,6-Dinitro-2-methylphenol
Concen: 11.925 ng
RT: 10.522 min Scan# 1416
Delta R.T. -0.011 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

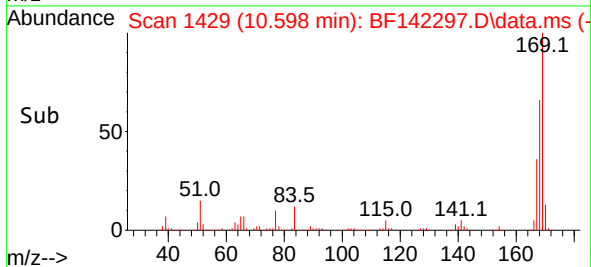
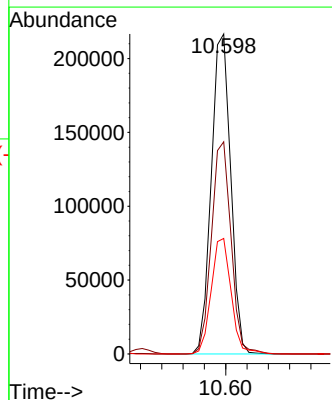
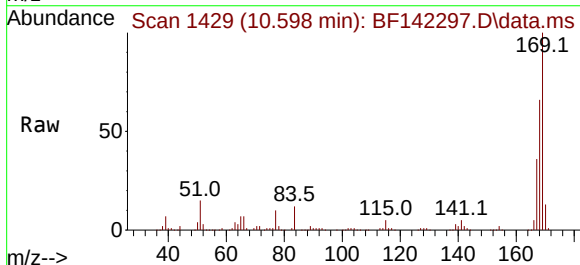
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

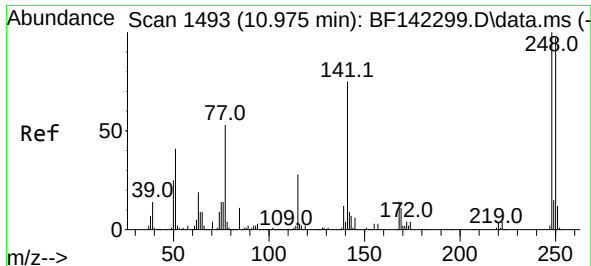
Tgt Ion:198 Resp: 20774
Ion Ratio Lower Upper
198 100
51 58.1 32.9 72.9
105 46.1 23.7 63.7



#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

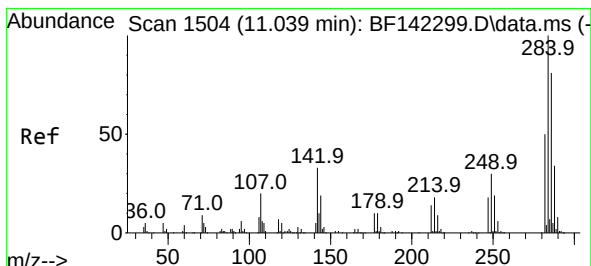
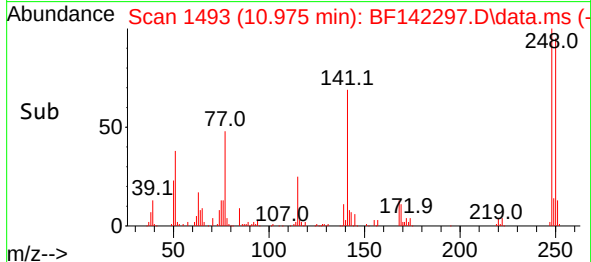
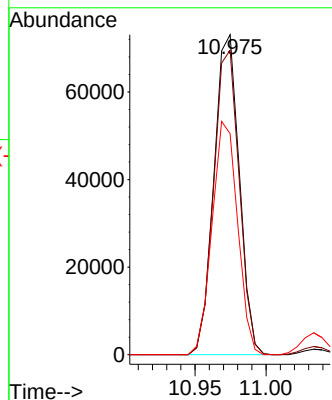
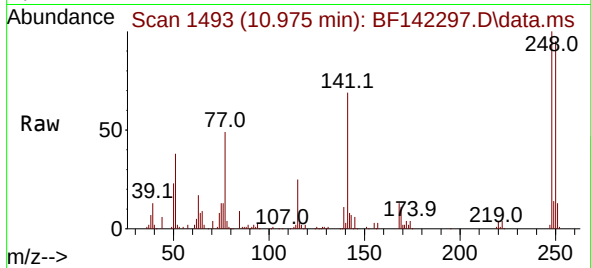




#67
4-Bromophenyl-phenylether
Concen: 10.008 ng
RT: 10.975 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

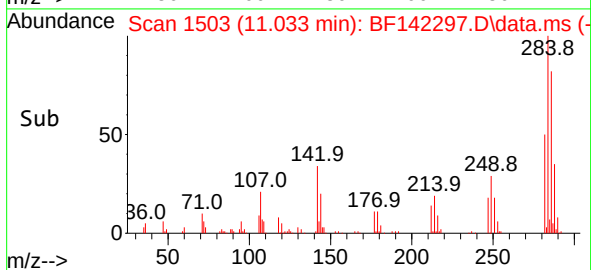
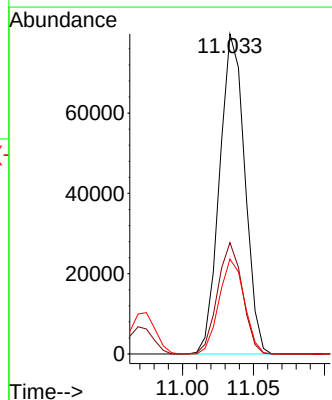
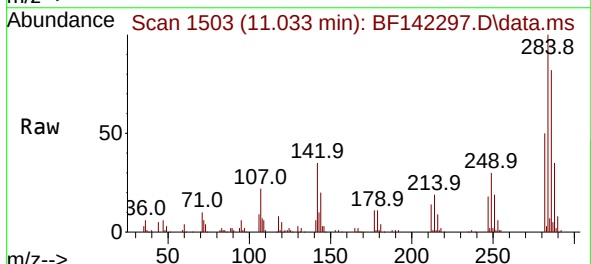
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

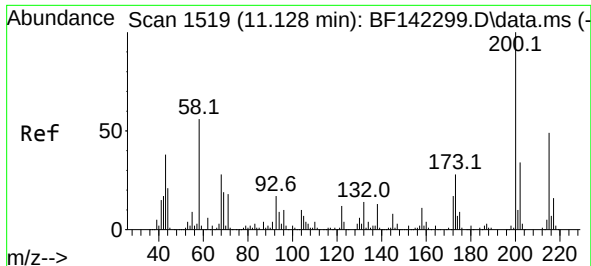
Tgt Ion:248 Resp: 90669
Ion Ratio Lower Upper
248 100
250 95.2 77.9 116.9
141 69.0 59.8 89.8



#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

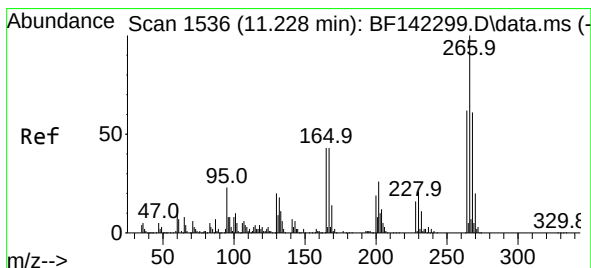
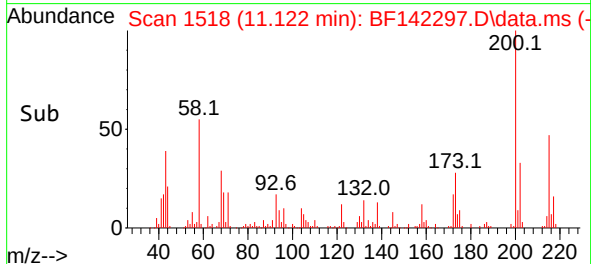
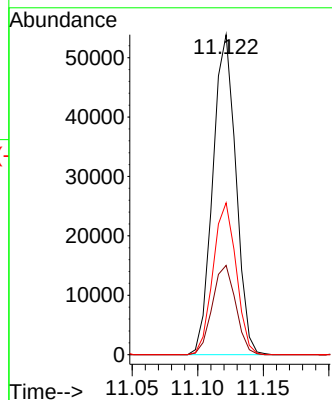
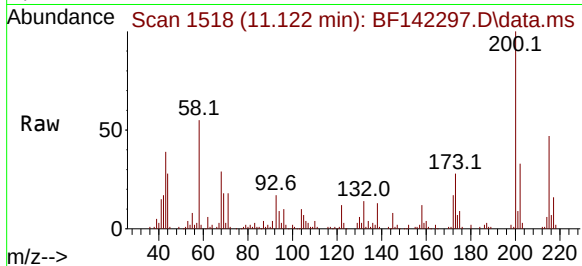




#69
Atrazine
Concen: 9.400 ng
RT: 11.122 min Scan# 1518
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

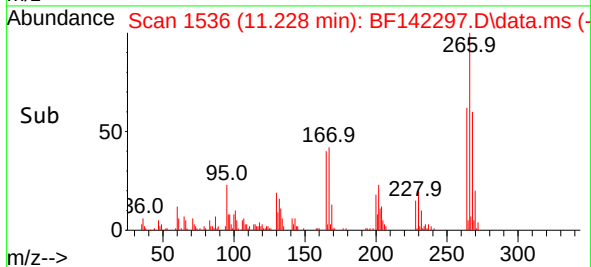
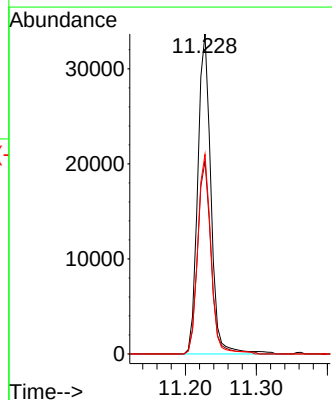
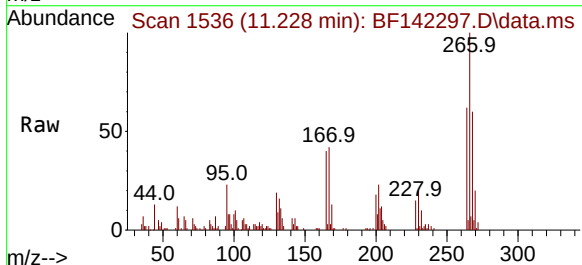
Instrument :
BNA_F
ClientSampleId :
SSTDIC010

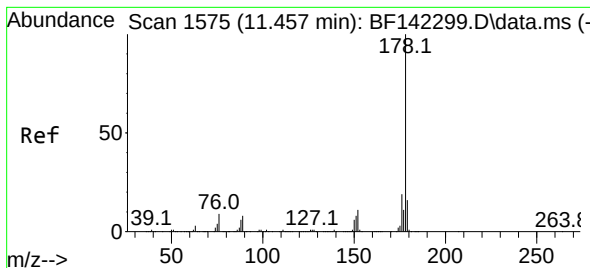
Tgt Ion:200 Resp: 65913
Ion Ratio Lower Upper
200 100
173 27.9 8.1 48.1
215 47.5 28.8 68.8



#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# 1574

Delta R.T. -0.006 min

Lab File: BF142297.D

Acq: 05 May 2025 14:52

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

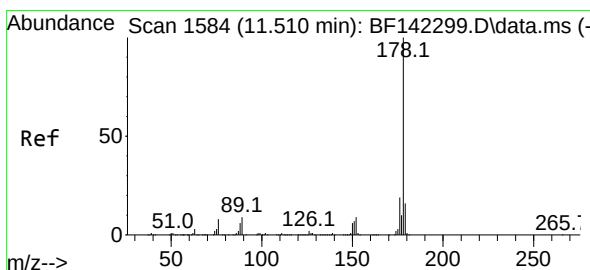
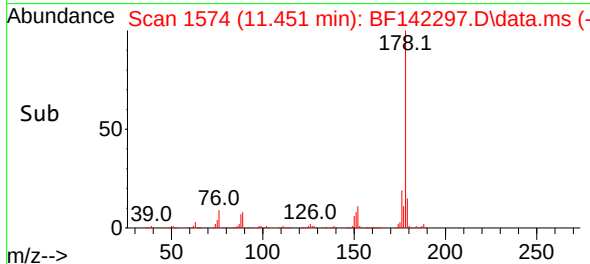
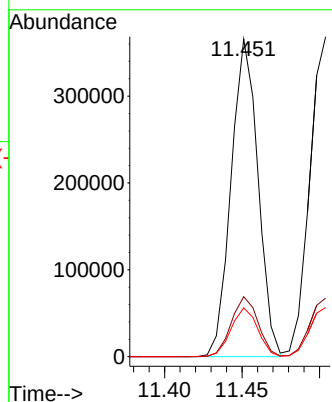
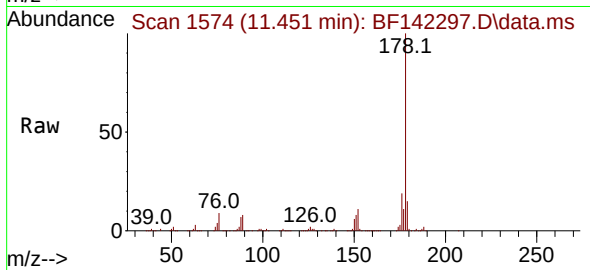
Tgt Ion:178 Resp: 440505

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

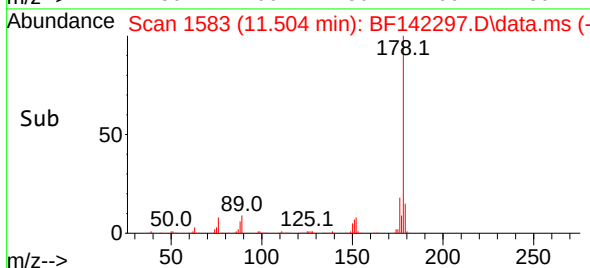
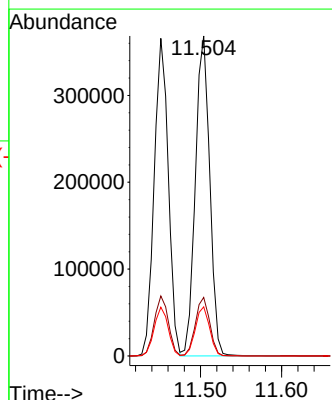
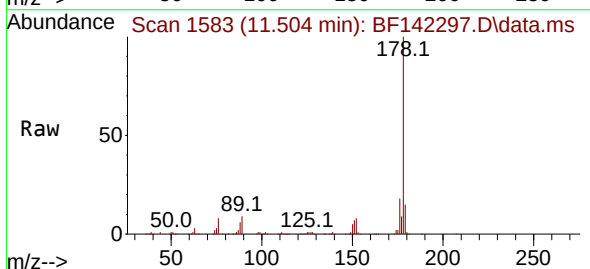
Tgt Ion:178 Resp: 454013

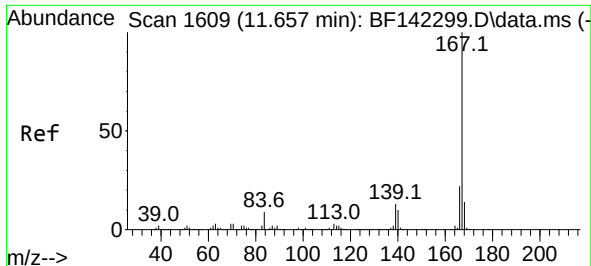
Ion Ratio Lower Upper

178 100

176 18.3 15.3 22.9

179 15.3 12.6 18.8

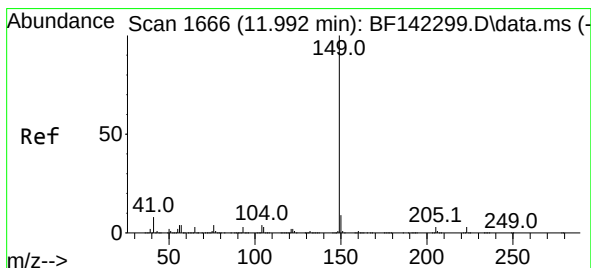
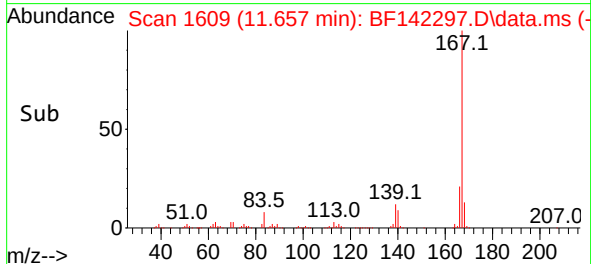
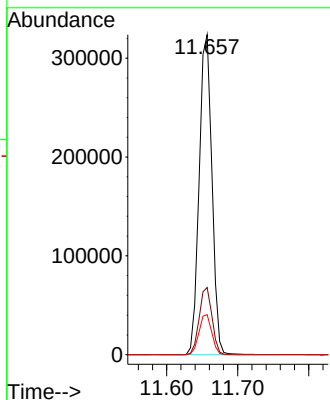
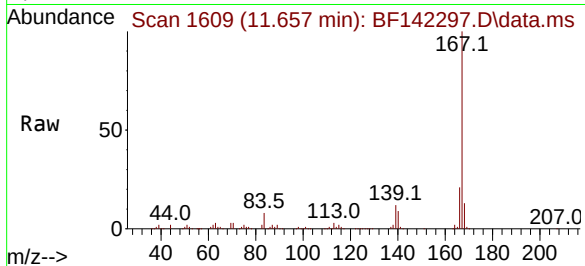




#73
 Carbazole
 Concen: 10.511 ng
 RT: 11.657 min Scan# 1609
 Delta R.T. -0.000 min
 Lab File: BF142297.D
 Acq: 05 May 2025 14:52

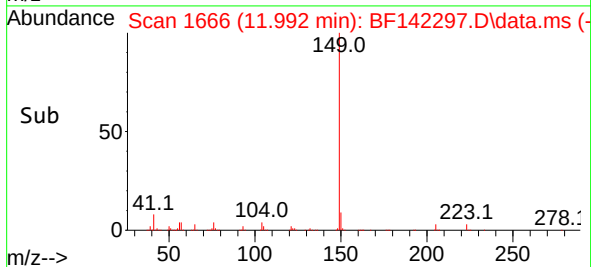
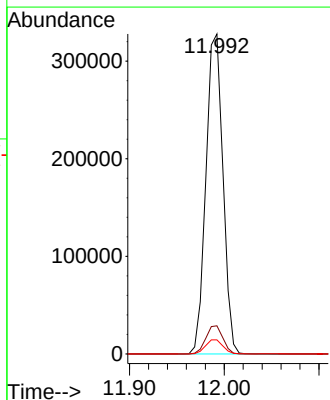
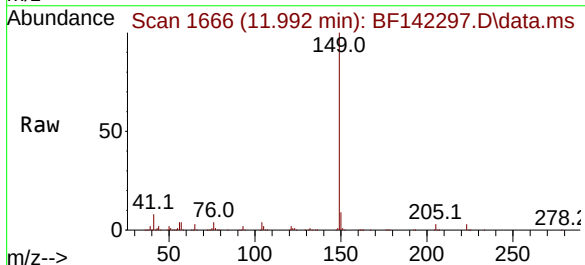
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

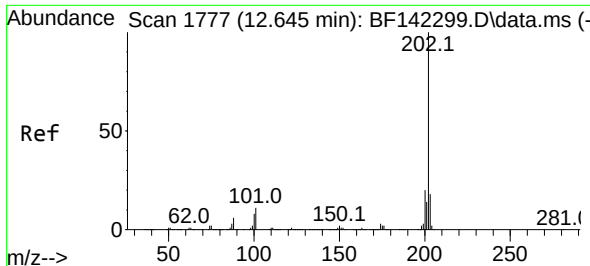
Tgt Ion:167 Resp: 406007
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.2 25.8
 139 12.5 10.3 15.5



#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

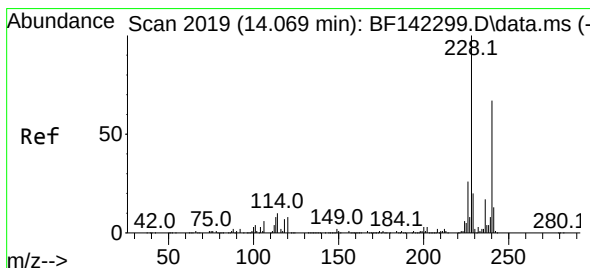
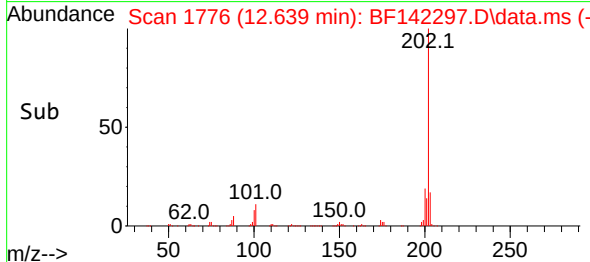
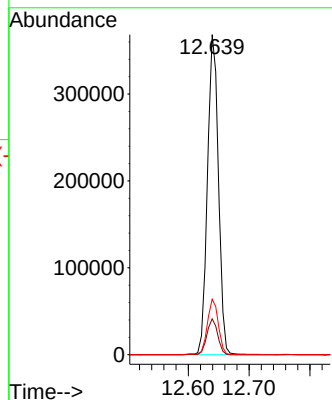
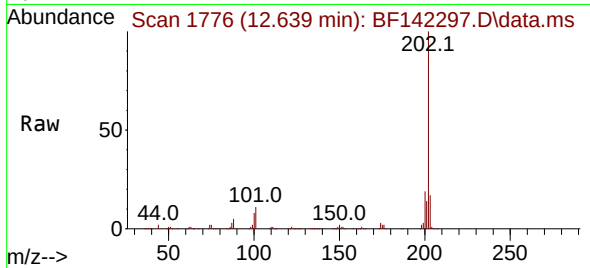




#75
Fluoranthene
Concen: 11.011 ng
RT: 12.639 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

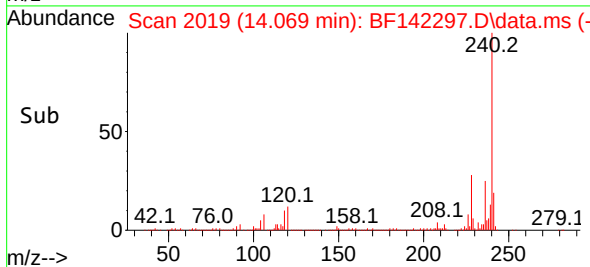
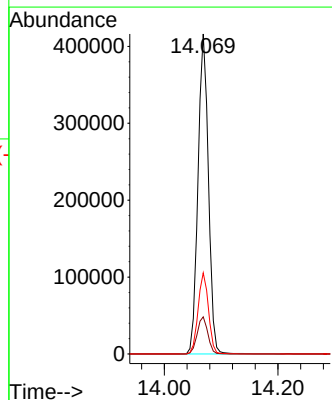
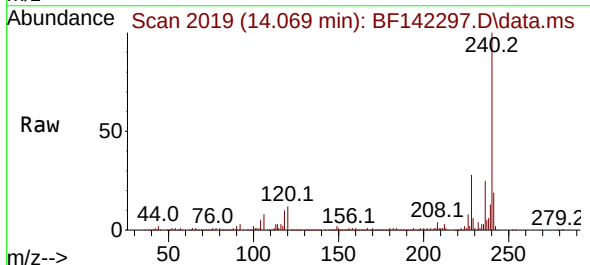
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

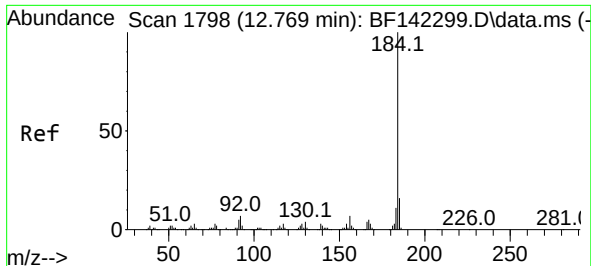
Tgt Ion:202 Resp: 461212
Ion Ratio Lower Upper
202 100
101 11.2 0.0 31.4
203 17.4 0.0 37.9



#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

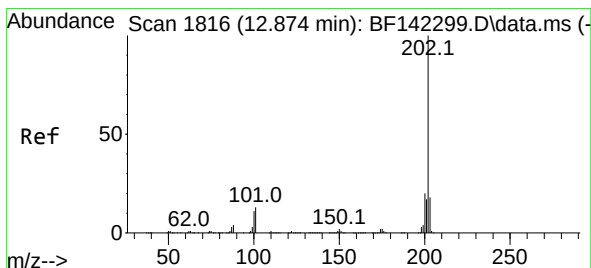
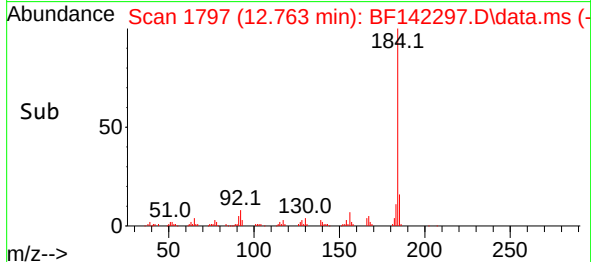
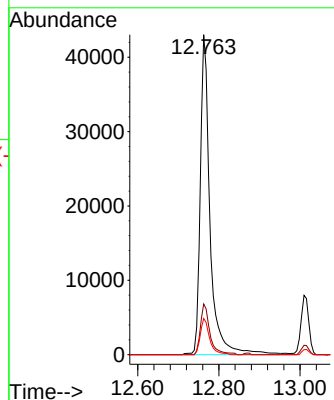
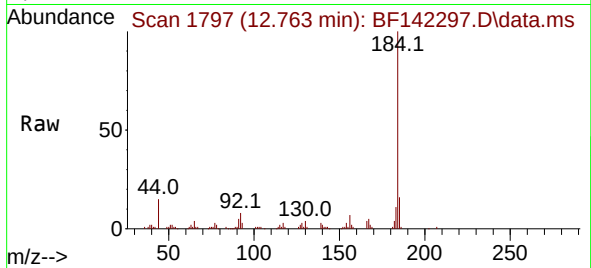




#77
Benzidine
Concen: 7.482 ng
RT: 12.763 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

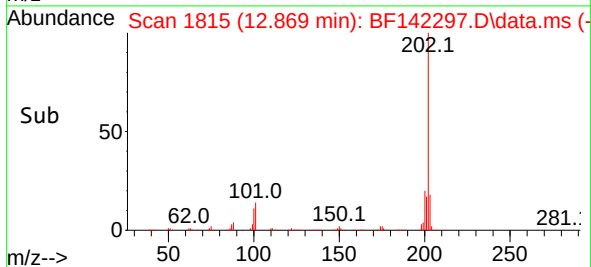
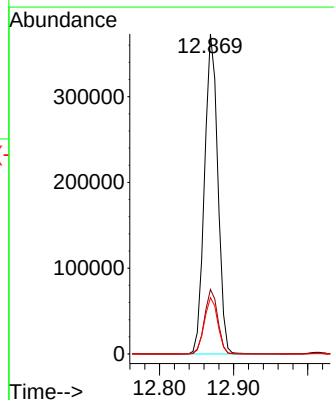
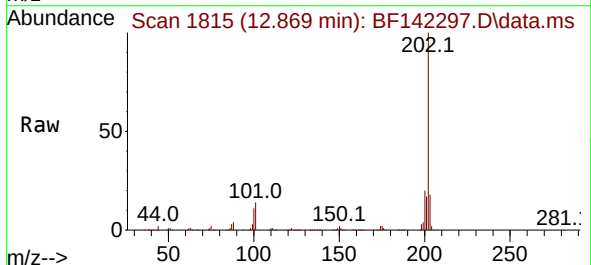
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

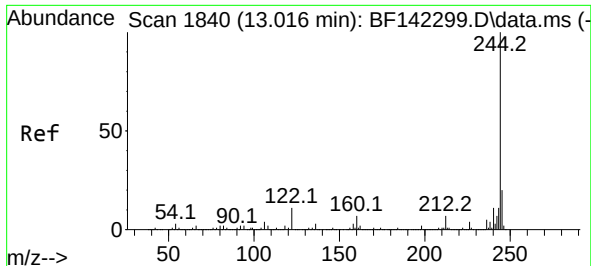
Tgt Ion:184 Resp: 72321
Ion Ratio Lower Upper
184 100
185 15.8 12.6 18.8
183 11.3 8.6 12.8



#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

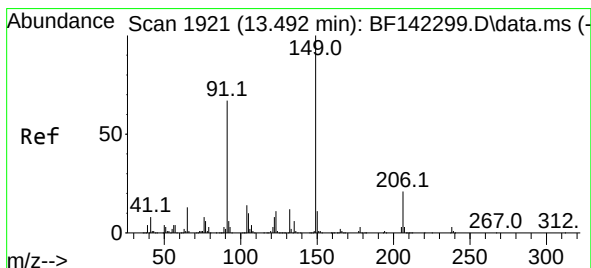
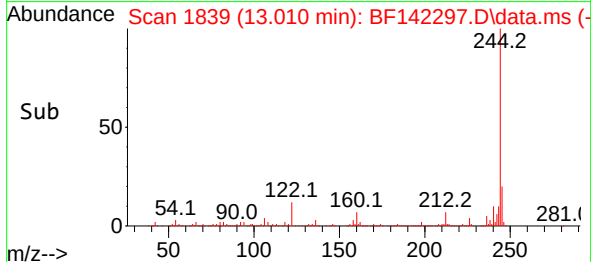
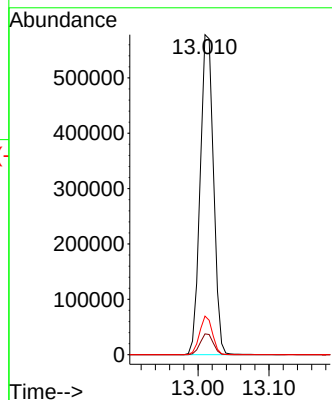
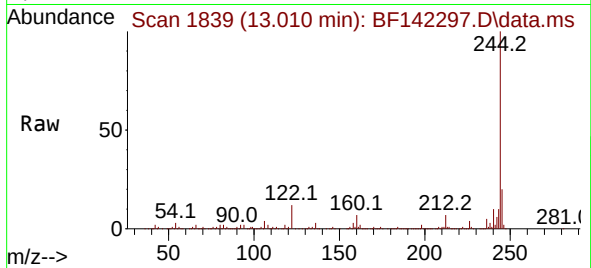




#79
 Terphenyl-d14
 Concen: 21.070 ng
 RT: 13.010 min Scan# 1839
 Delta R.T. -0.006 min
 Lab File: BF142297.D
 Acq: 05 May 2025 14:52

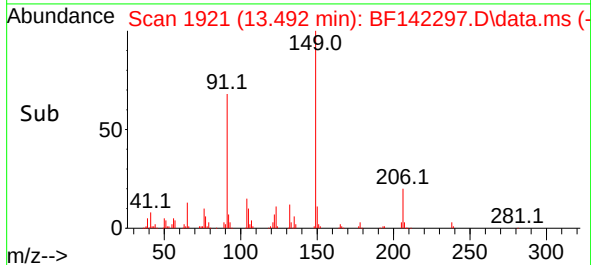
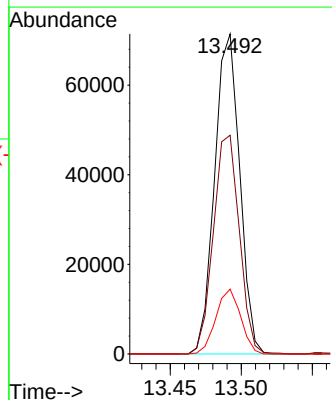
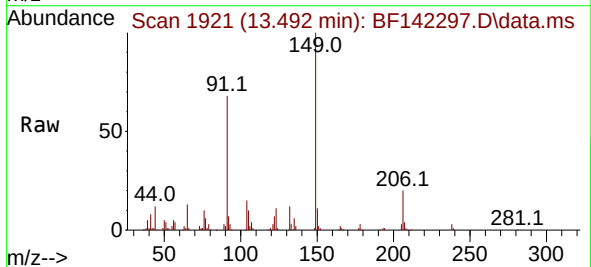
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

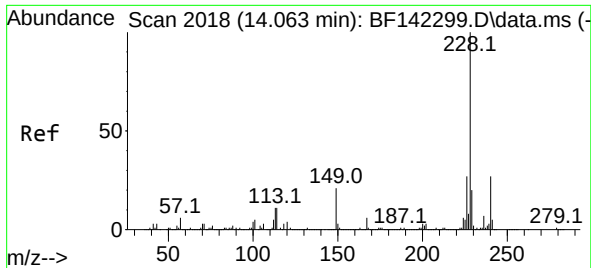
Tgt Ion:244 Resp: 757212
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.2
 122 12.1 9.0 13.4



#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

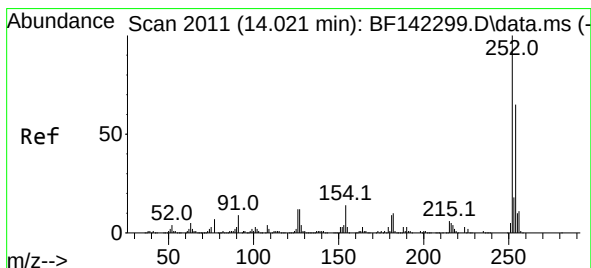
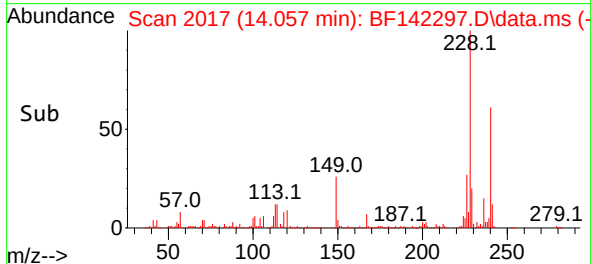
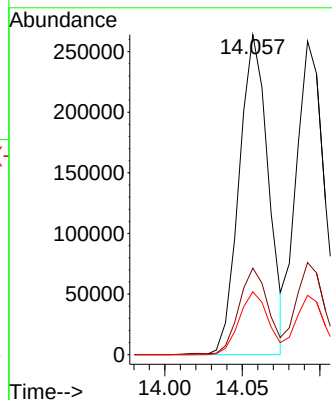
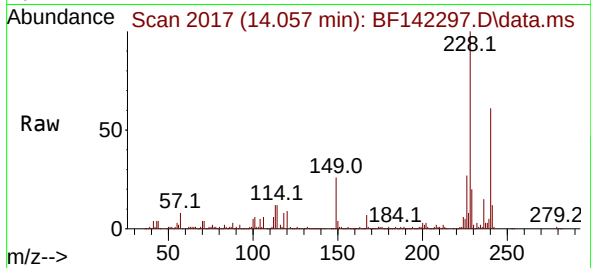




#81
Benzo(a)anthracene
Concen: 10.033 ng
RT: 14.057 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

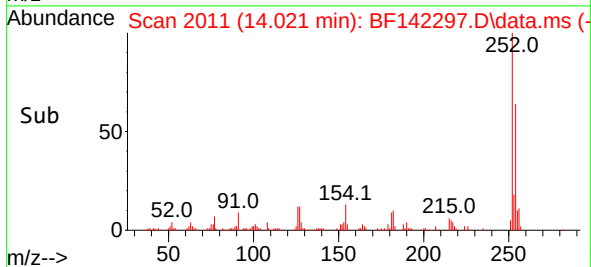
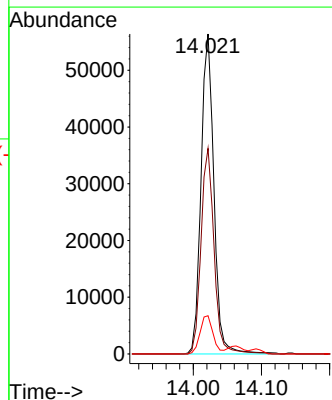
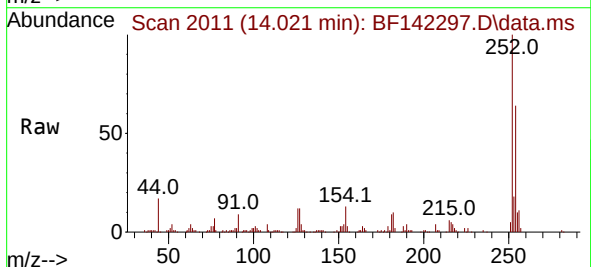
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

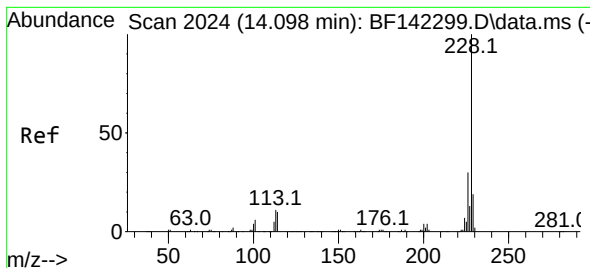
Tgt Ion:228 Resp: 345605
Ion Ratio Lower Upper
228 100
226 27.0 21.5 32.3
229 19.6 15.9 23.9



#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# 2024

Delta R.T. -0.006 min

Lab File: BF142297.D

Acq: 05 May 2025 14:52

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

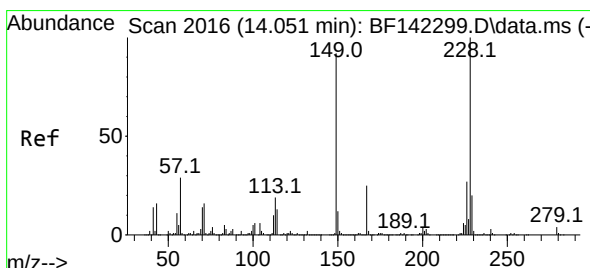
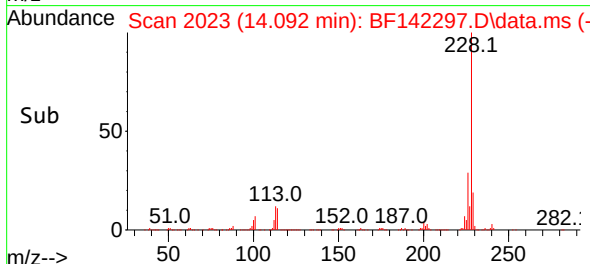
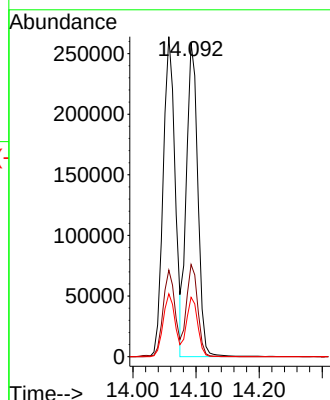
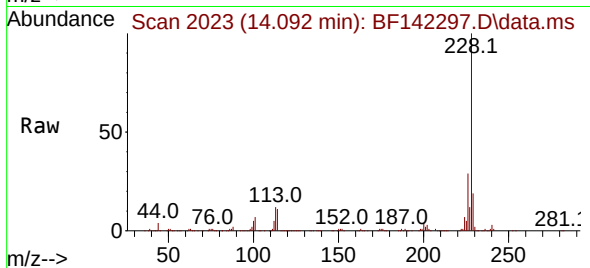
Tgt Ion:228 Resp: 326300

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

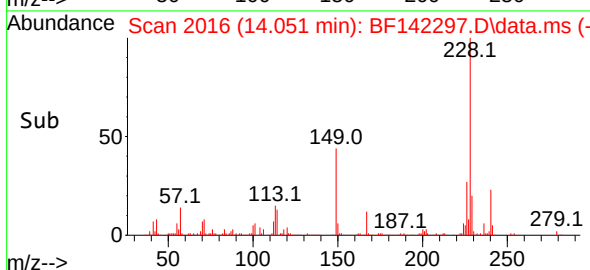
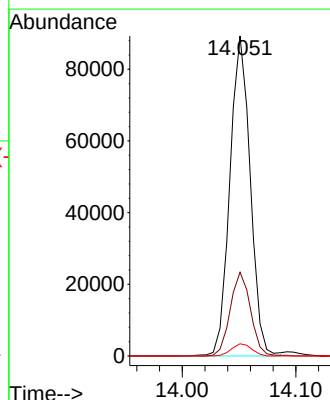
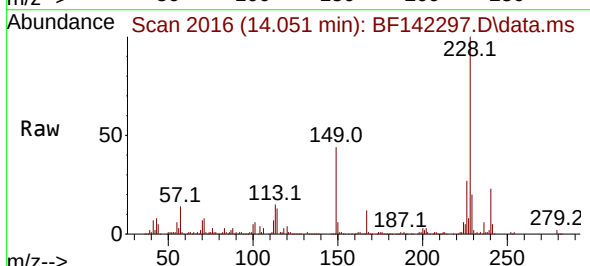
Tgt Ion:149 Resp: 111032

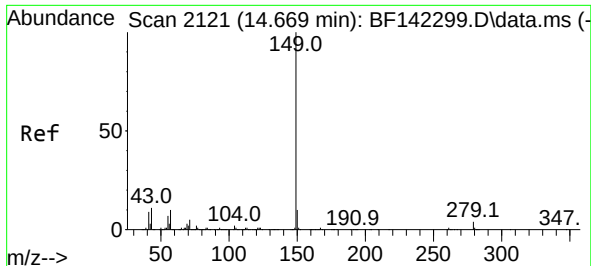
Ion Ratio Lower Upper

149 100

167 26.2 22.0 33.0

279 3.8 3.0 4.6

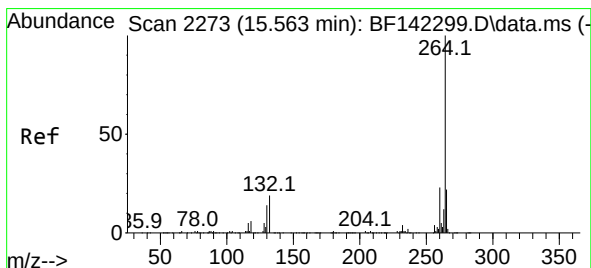
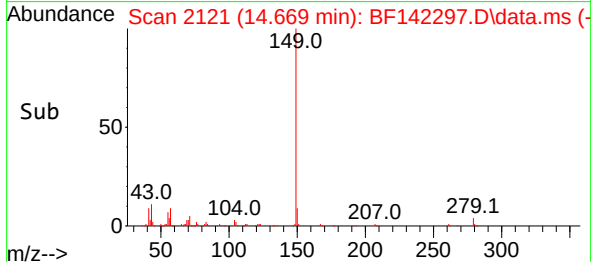
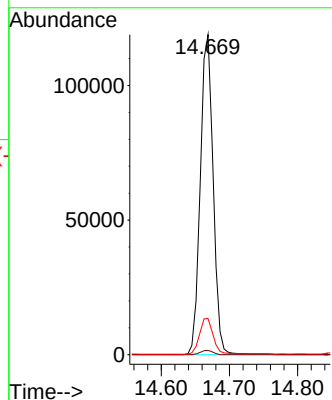
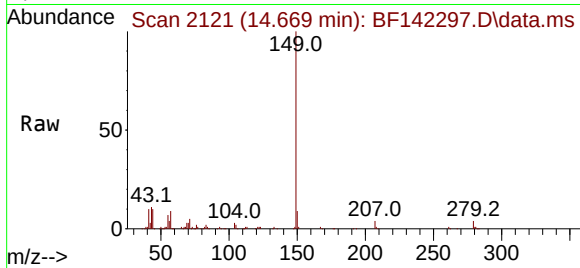




#85
Di-n-octyl phthalate
Concen: 11.860 ng
RT: 14.669 min Scan# 2121
Delta R.T. -0.001 min
Lab File: BF142297.D
Acq: 05 May 2025 14:52

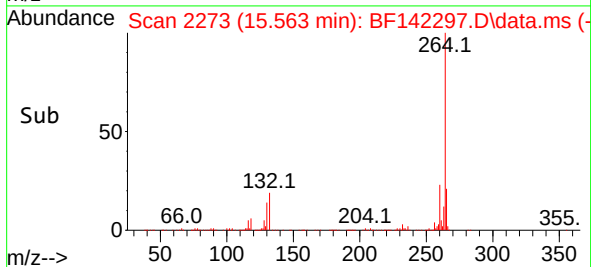
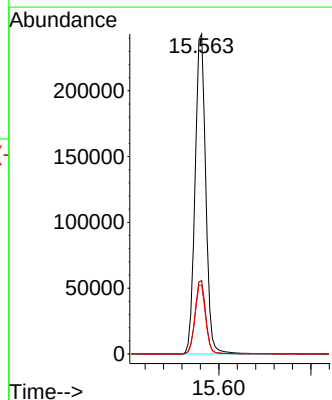
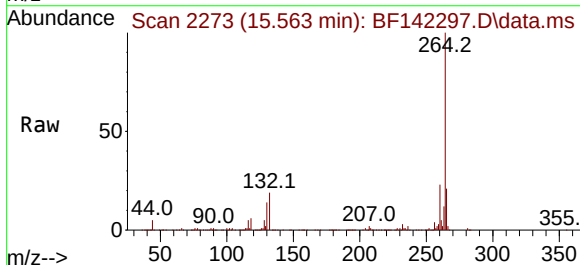
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

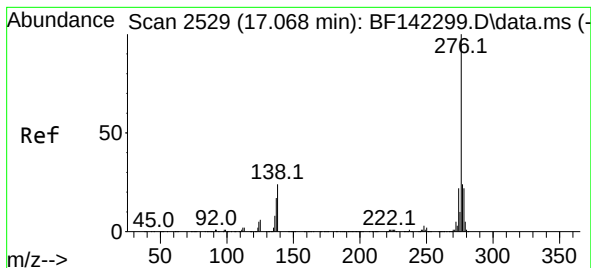
Tgt Ion:149 Resp: 155899
Ion Ratio Lower Upper
149 100
167 1.3 1.1 1.7
43 11.9 9.2 13.8



#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# 21

Delta R.T. -0.012 min

Lab File: BF142297.D

Acq: 05 May 2025 14:52

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

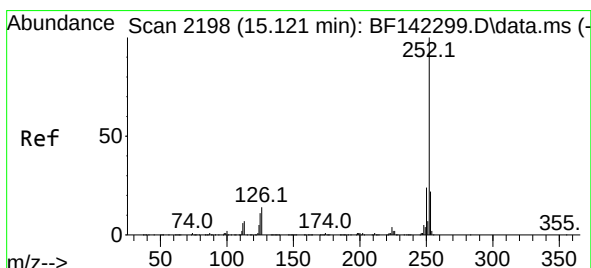
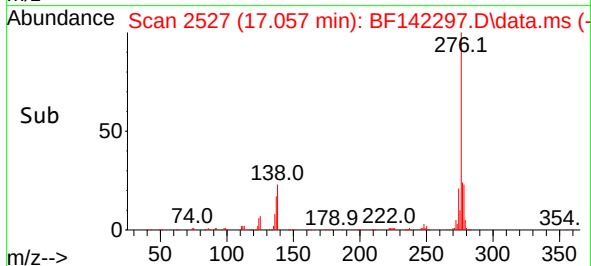
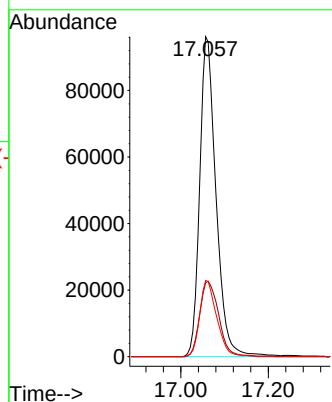
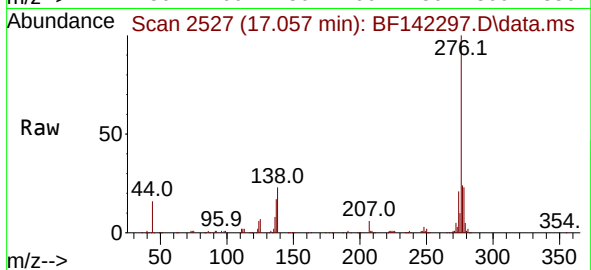
Tgt Ion:276 Resp: 250070

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

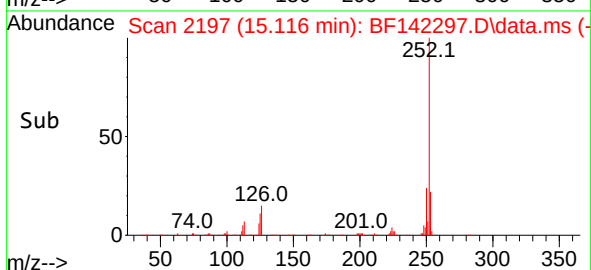
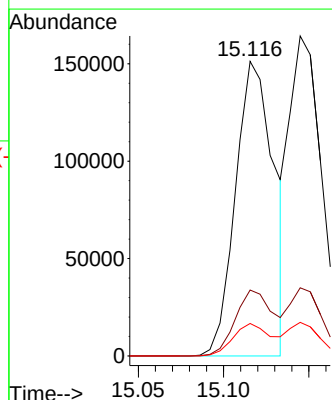
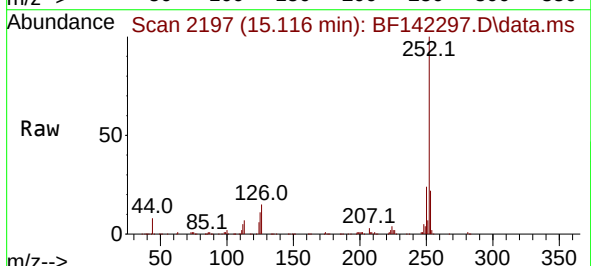
Tgt Ion:252 Resp: 237339

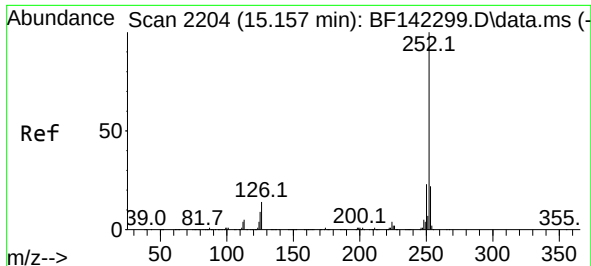
Ion Ratio Lower Upper

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# 21

Delta R.T. -0.012 min

Lab File: BF142297.D

Acq: 05 May 2025 14:52

Instrument :

BNA_F

ClientSampleId :

SSTDICC010

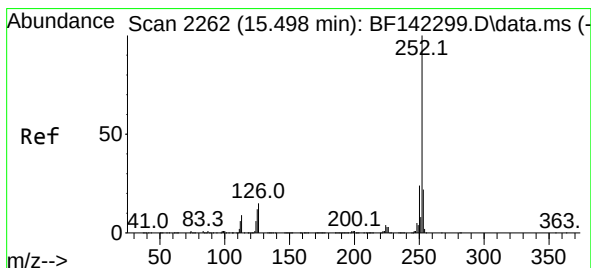
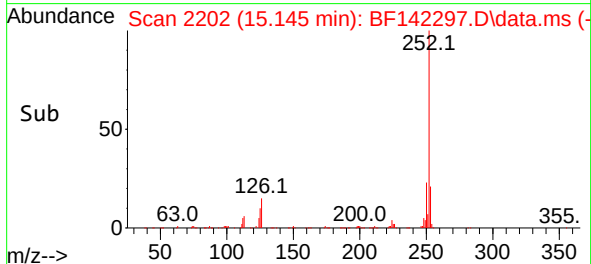
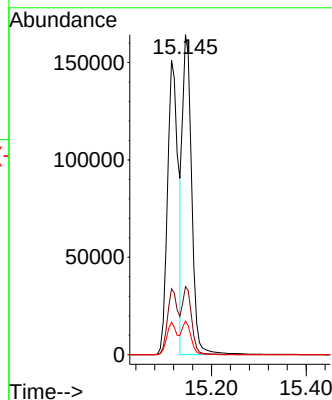
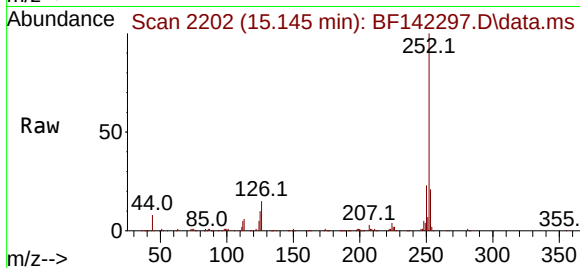
Tgt Ion:252 Resp: 222898

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

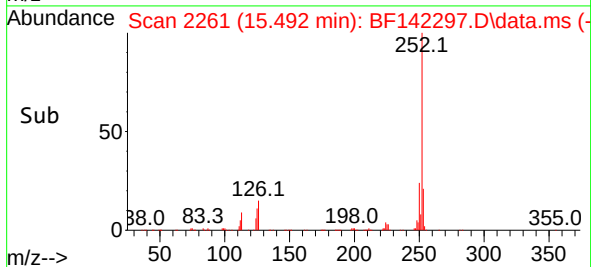
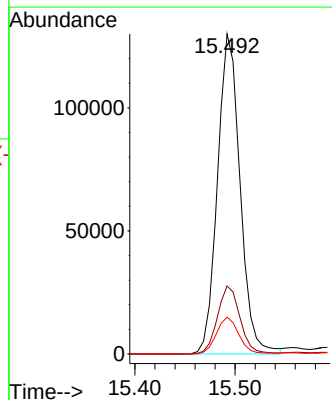
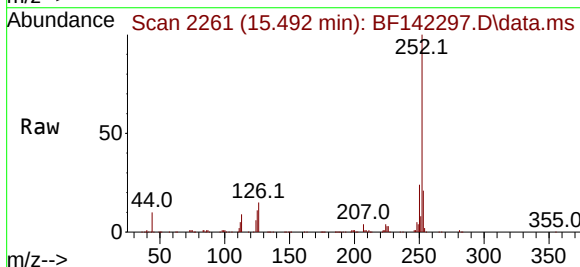
Tgt Ion:252 Resp: 203272

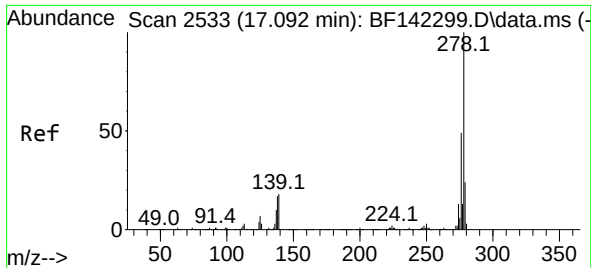
Ion Ratio Lower Upper

252 100

253 21.2 17.8 26.6

125 11.5 9.4 14.0

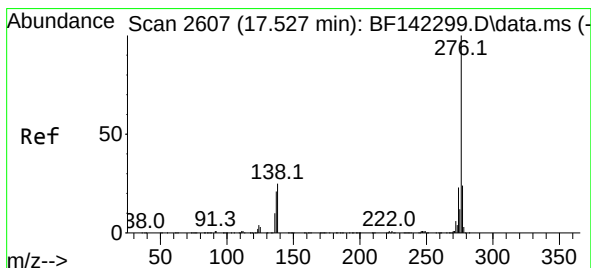
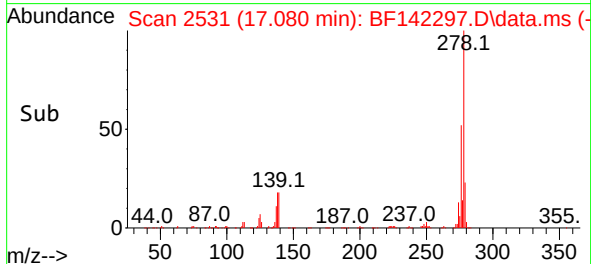
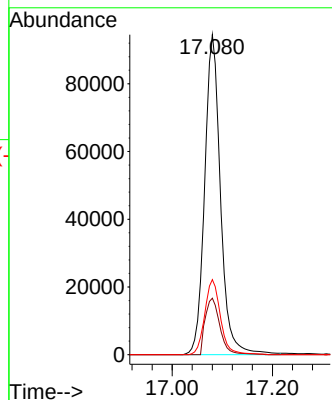
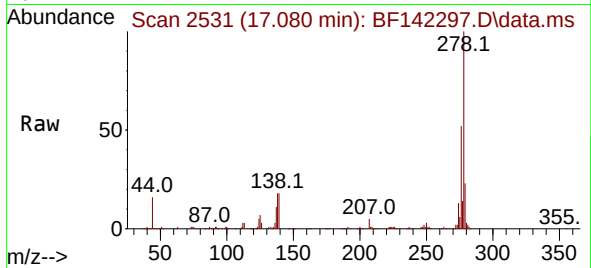




#91
 Dibenzo(a,h)anthracene
 Concen: 9.272 ng
 RT: 17.080 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BF142297.D
 Acq: 05 May 2025 14:52

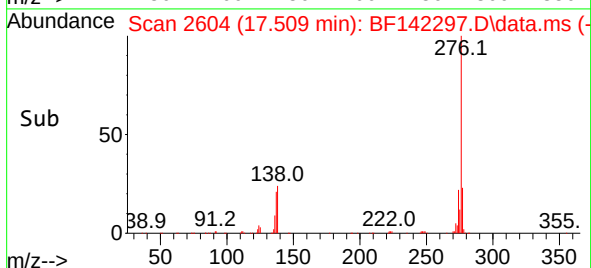
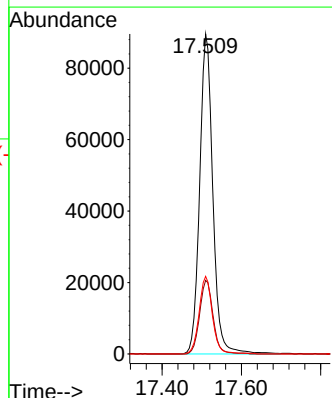
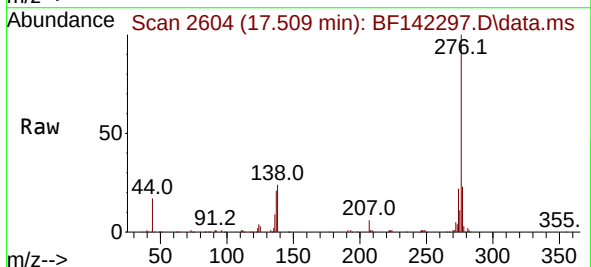
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC010

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



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

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF050525\
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 Operator : RC/JU
 Sample : SSTDICC020
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

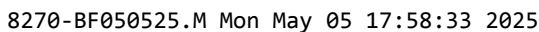
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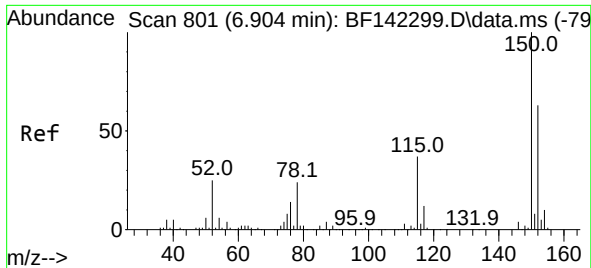
Quant Time: May 05 17:58:22 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 05 17:44:56 2025
 Response via : Initial Calibration

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

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

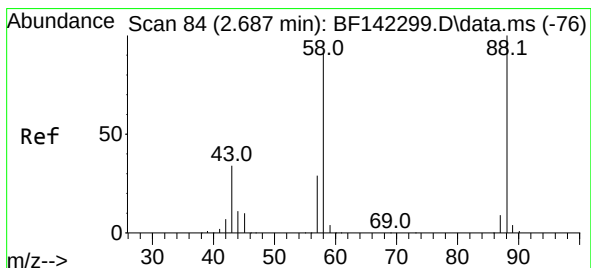
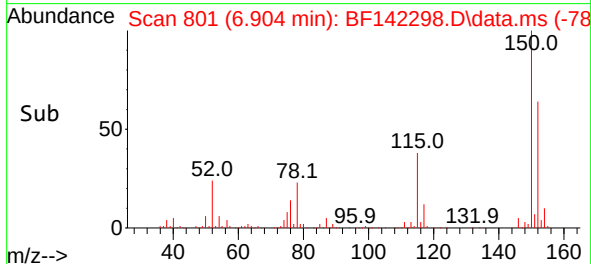
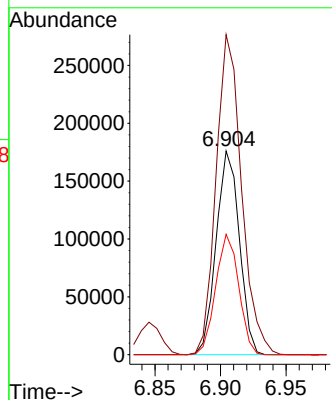
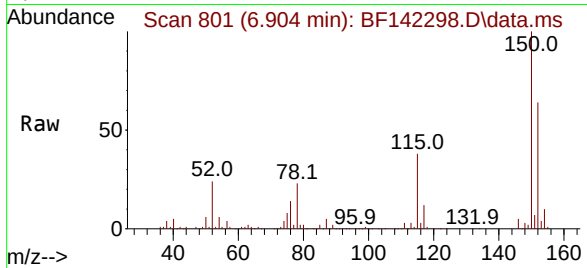




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.904 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: BF142298.D
 Acq: 05 May 2025 15:21

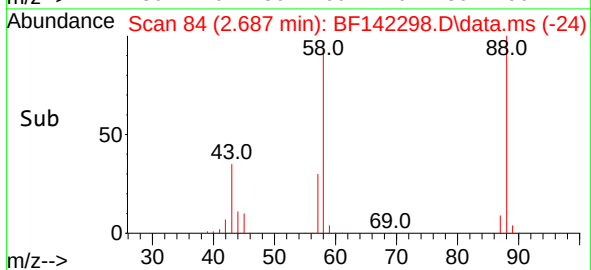
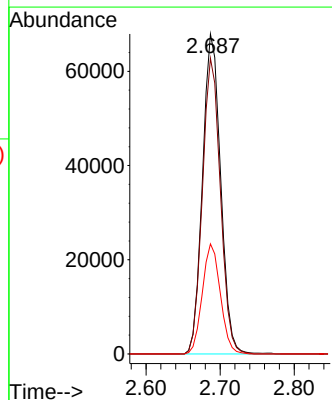
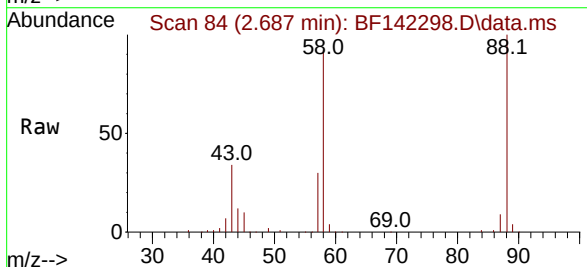
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

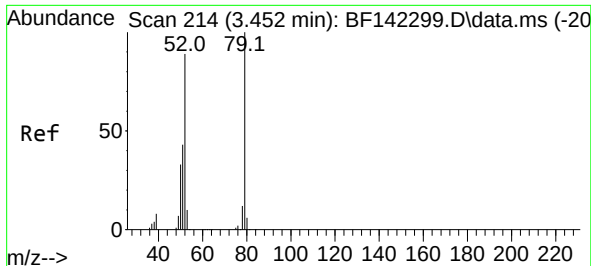
Tgt Ion:152 Resp: 216286
 Ion Ratio Lower Upper
 152 100
 150 157.2 126.6 190.0
 115 59.1 47.3 70.9



#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

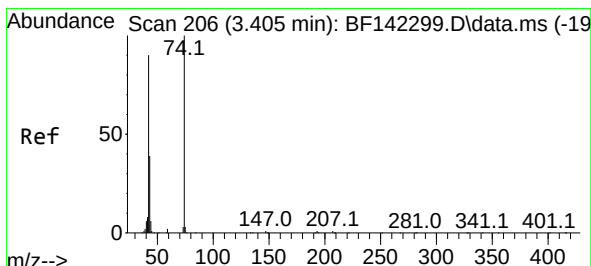
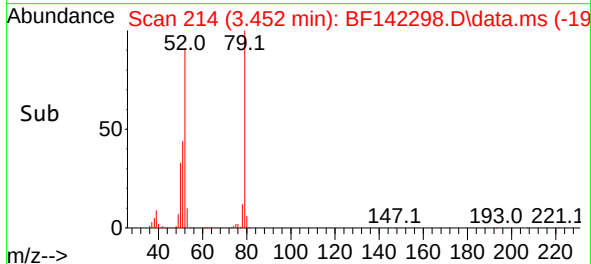
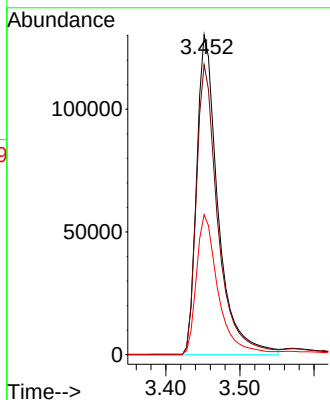
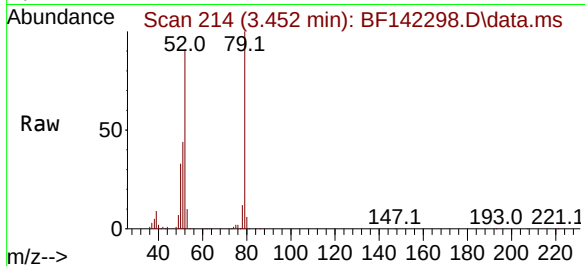




#3
Pyridine
Concen: 19.504 ng
RT: 3.452 min Scan# 214
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

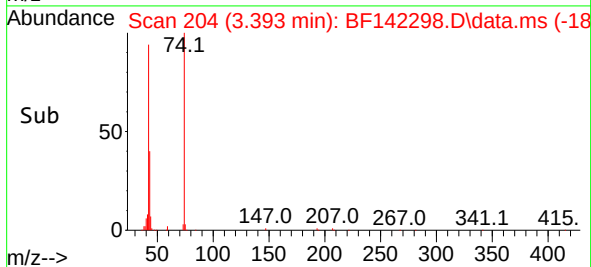
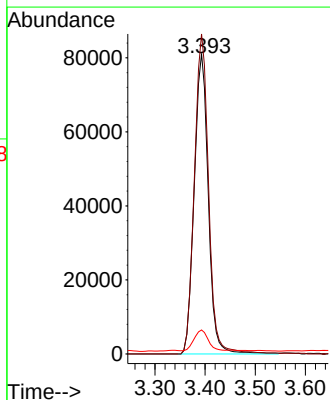
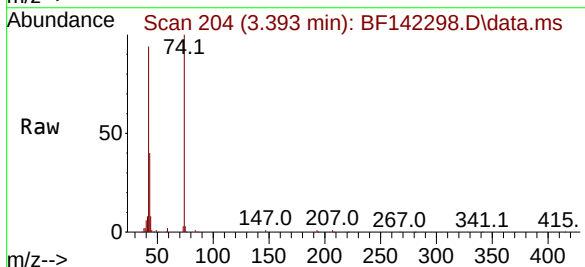
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

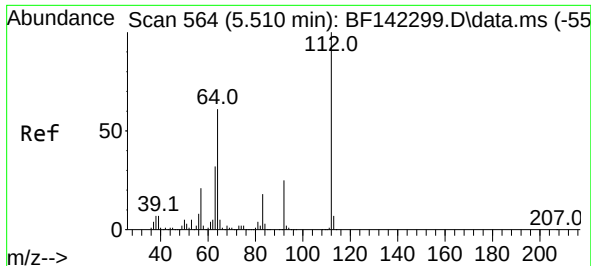
Tgt Ion: 79 Resp: 261665
Ion Ratio Lower Upper
79 100
52 90.6 71.0 106.4
51 43.7 34.9 52.3



#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

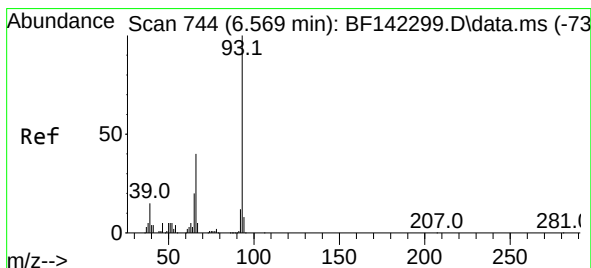
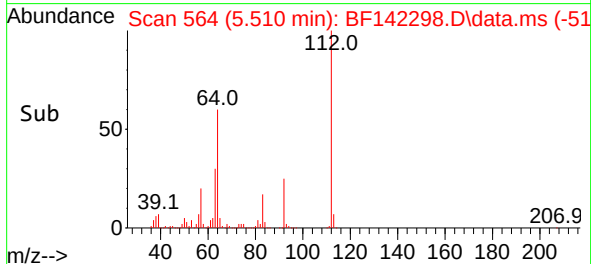
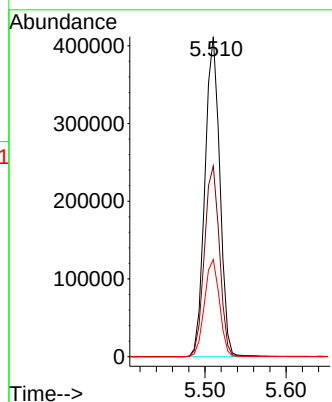
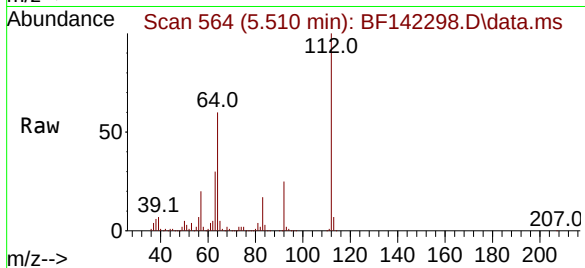




#5
2-Fluorophenol
Concen: 41.358 ng
RT: 5.510 min Scan# 51
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

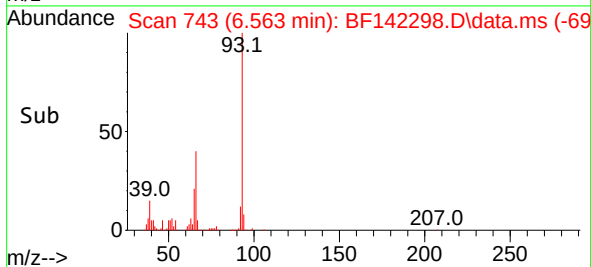
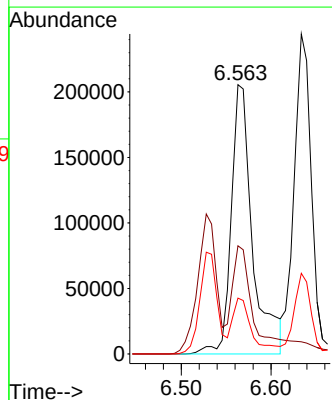
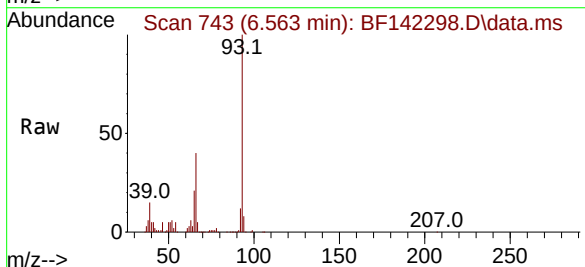
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

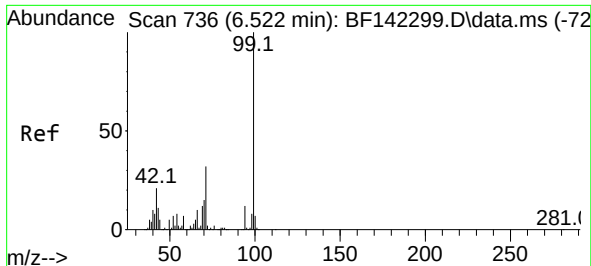
Tgt Ion:112 Resp: 524001
Ion Ratio Lower Upper
112 100
64 59.6 48.9 73.3
63 30.4 25.6 38.4



#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

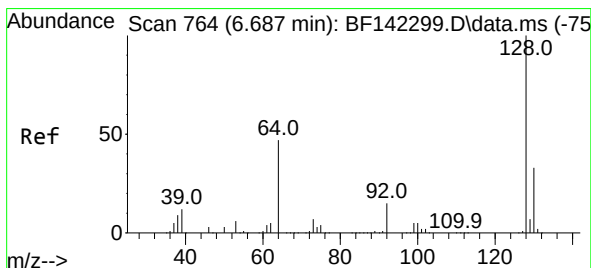
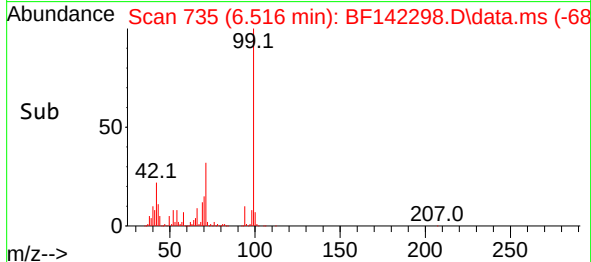
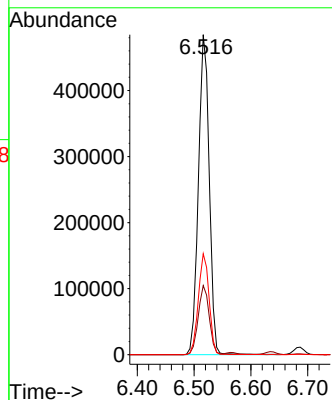
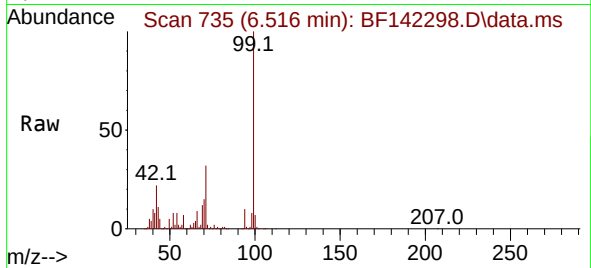




#7
Phenol-d6
Concen: 41.341 ng
RT: 6.516 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

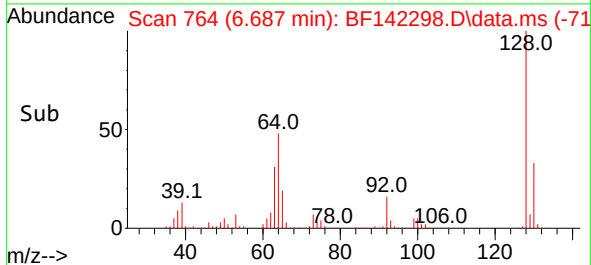
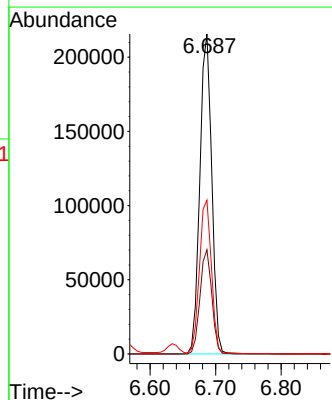
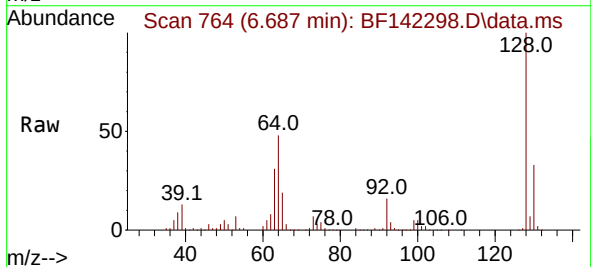
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

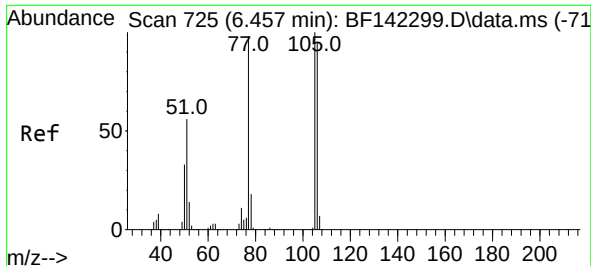
Tgt Ion: 99 Resp: 644227
Ion Ratio Lower Upper
99 100
42 21.6 17.0 25.4
71 31.6 25.8 38.8



#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

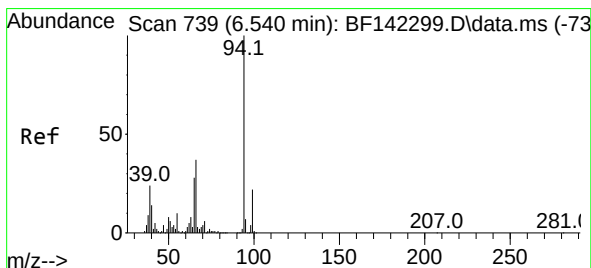
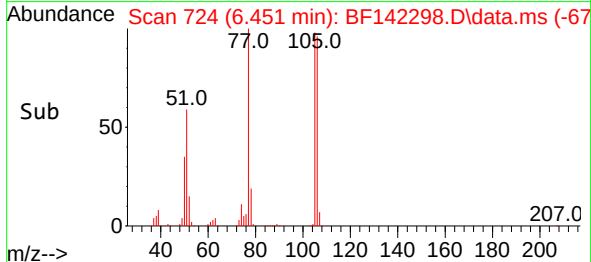
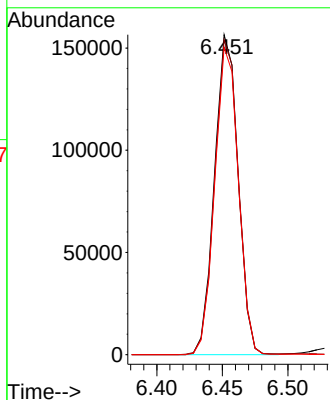
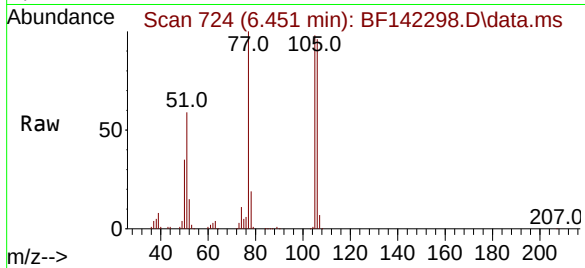




#9
Benzaldehyde
Concen: 21.418 ng
RT: 6.451 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

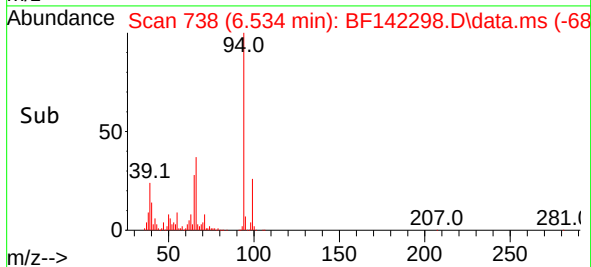
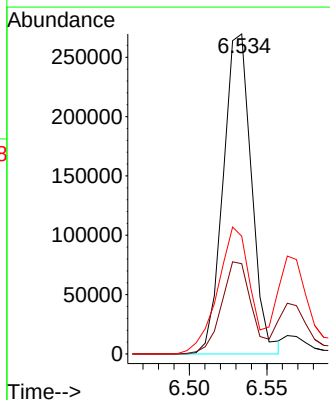
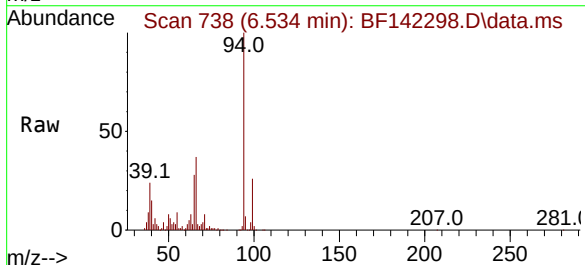
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

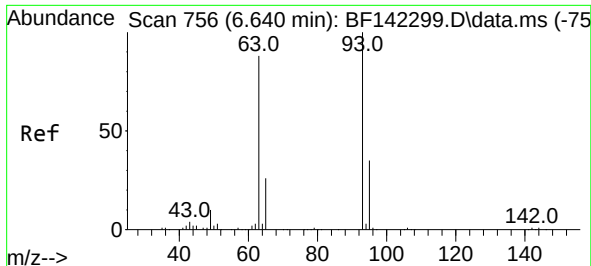
Tgt Ion: 77 Resp: 195344
Ion Ratio Lower Upper
77 100
105 98.4 82.0 122.0
106 96.1 77.2 117.2



#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

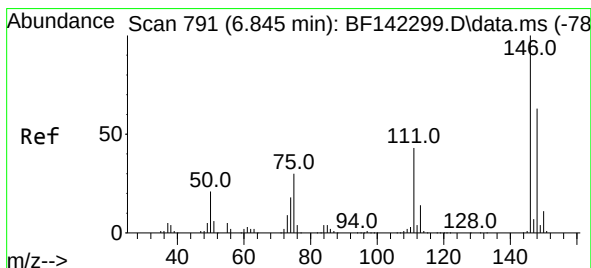
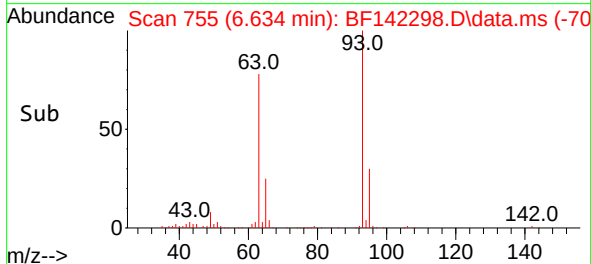
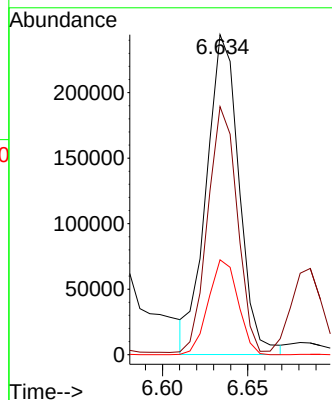
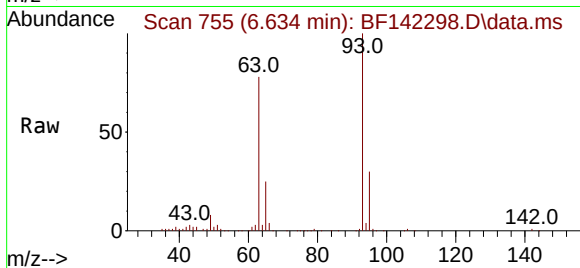




#11
bis(2-Chloroethyl)ether
Concen: 20.046 ng
RT: 6.634 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

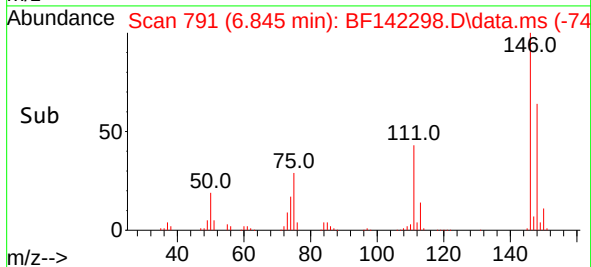
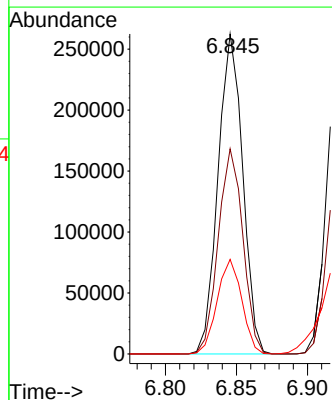
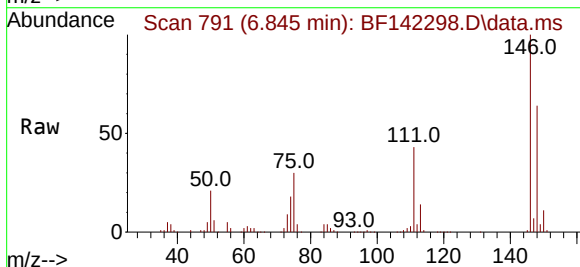
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

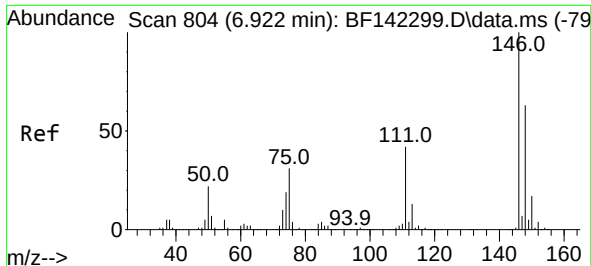
Tgt Ion: 93 Resp: 326537
Ion Ratio Lower Upper
93 100
63 77.5 58.4 98.4
95 29.7 10.6 50.6



#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# 80

Delta R.T. -0.000 min

Lab File: BF142298.D

Acq: 05 May 2025 15:21

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

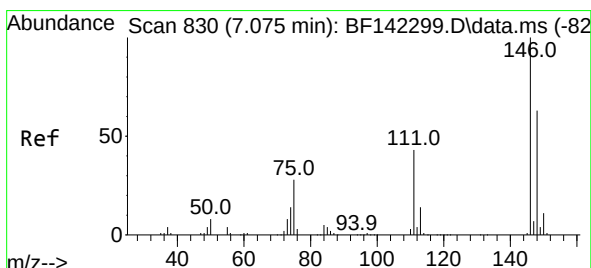
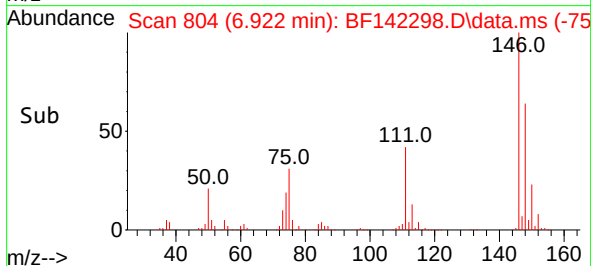
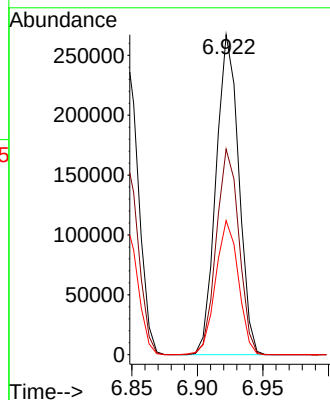
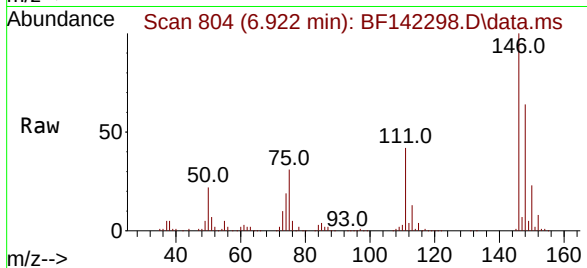
Tgt Ion:146 Resp: 321447

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

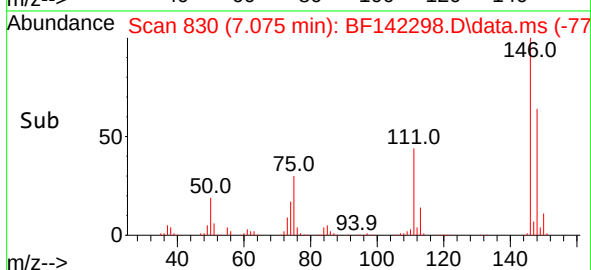
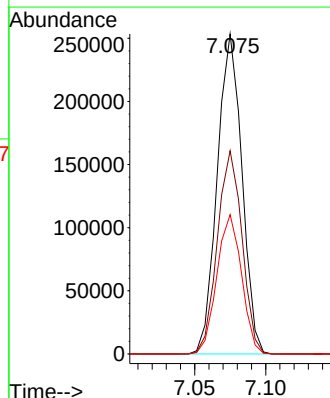
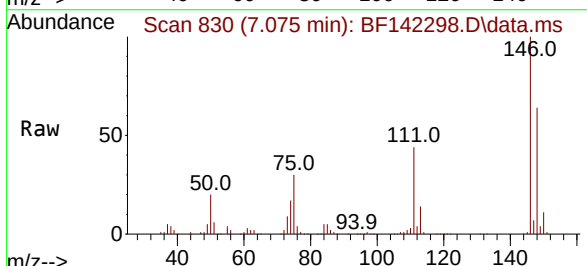
Tgt Ion:146 Resp: 306024

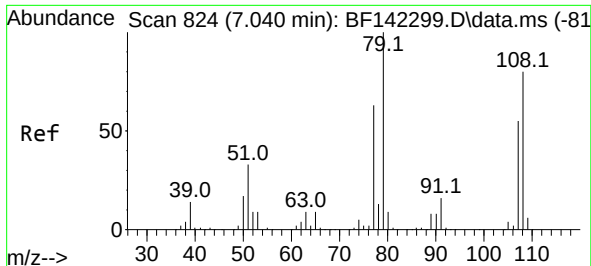
Ion Ratio Lower Upper

146 100

148 63.5 50.3 75.5

111 43.5 34.5 51.7

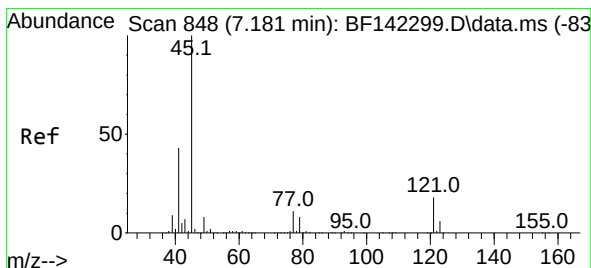
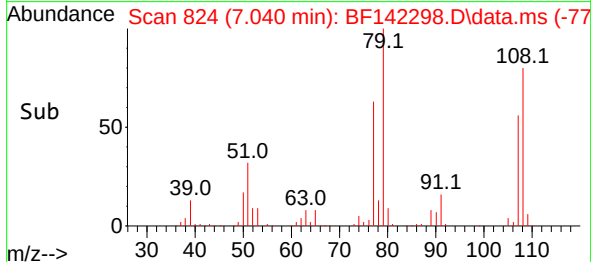
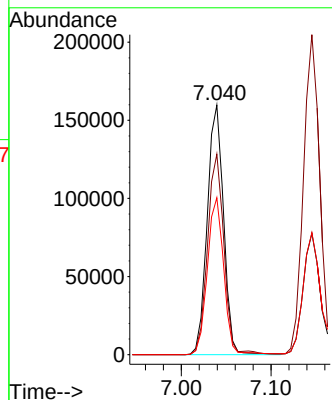
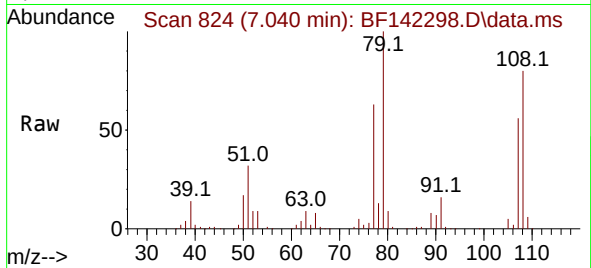




#15
Benzyl Alcohol
Concen: 19.996 ng
RT: 7.040 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

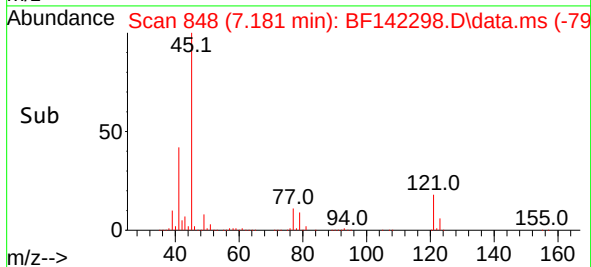
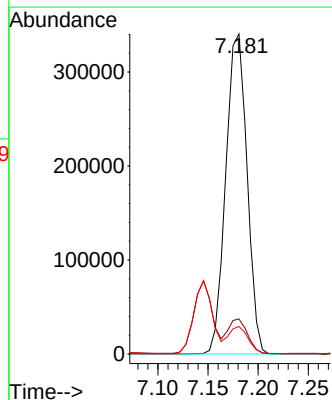
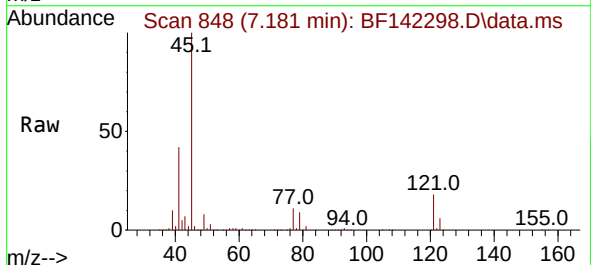
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

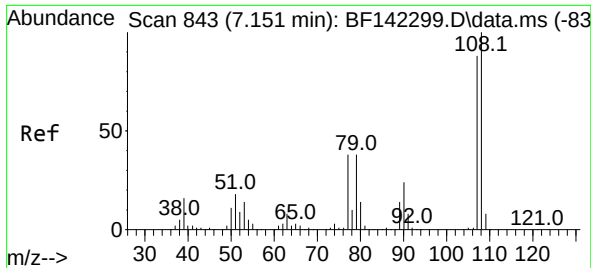
Tgt Ion: 79 Resp: 201768
Ion Ratio Lower Upper
79 100
108 80.3 63.9 95.9
77 62.9 50.7 76.1



#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



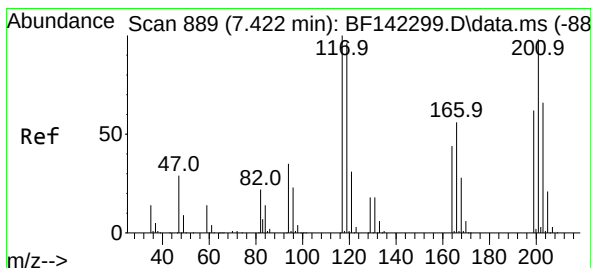
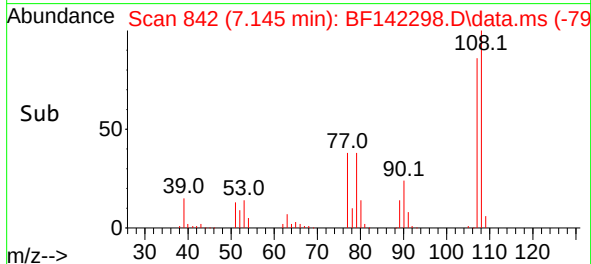
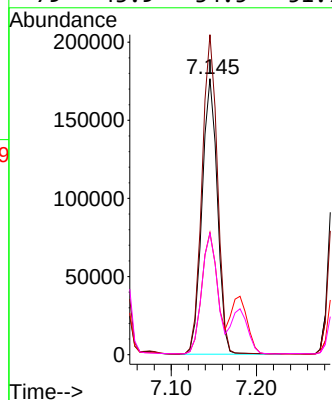
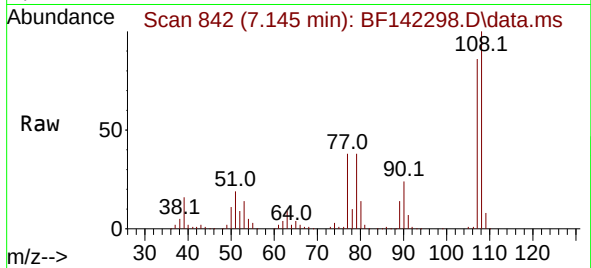


#17
2-Methylphenol
Concen: 20.166 ng
RT: 7.145 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:107 Resp: 221049

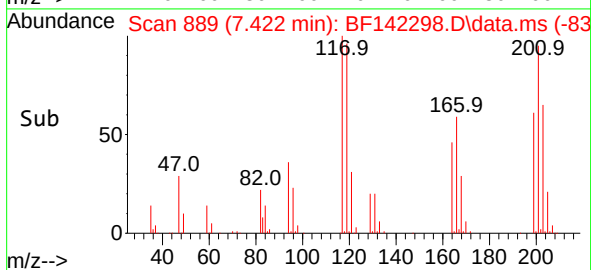
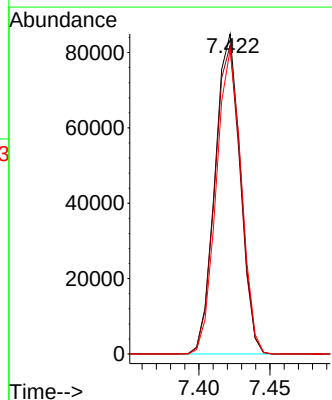
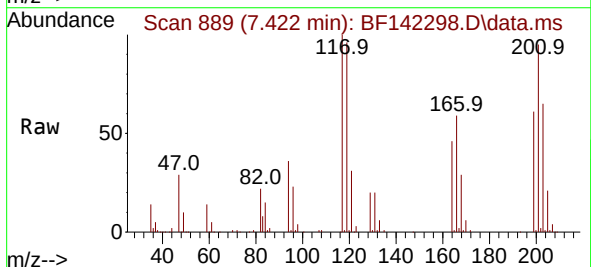
Ion	Ratio	Lower	Upper
107	100		
108	115.9	91.1	136.7
77	44.2	34.7	52.1
79	43.9	34.5	51.7

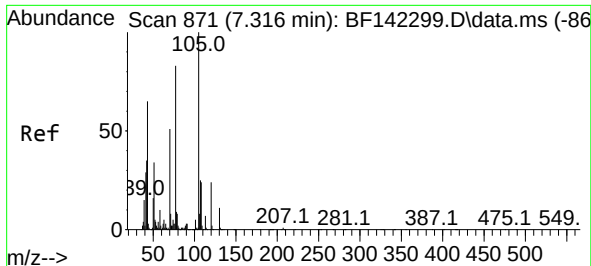


#18
Hexachloroethane
Concen: 20.413 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

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

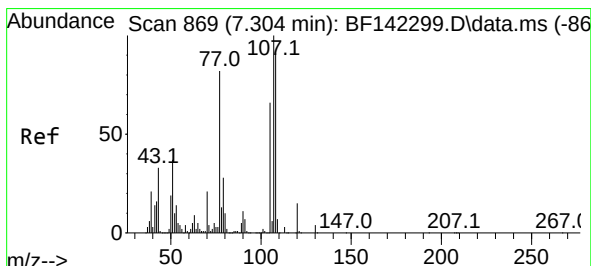
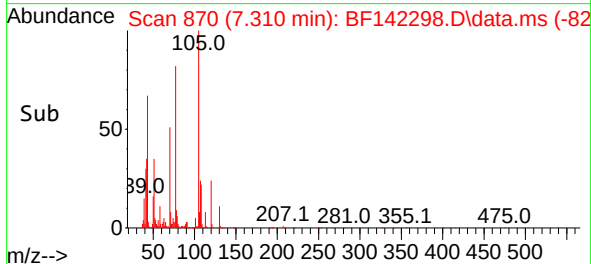
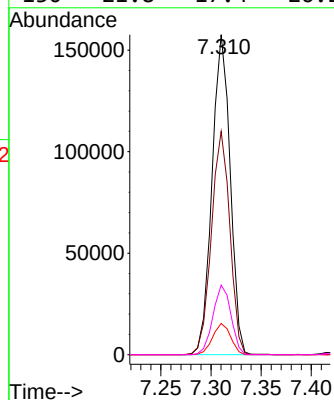
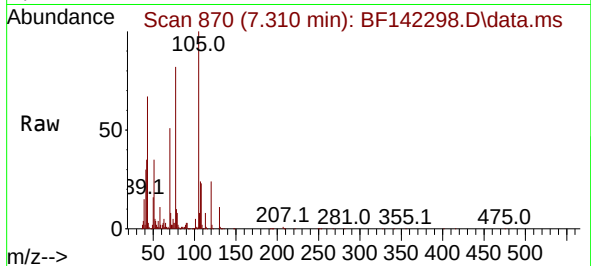




#19
n-Nitroso-di-n-propylamine
Concen: 20.599 ng
RT: 7.310 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

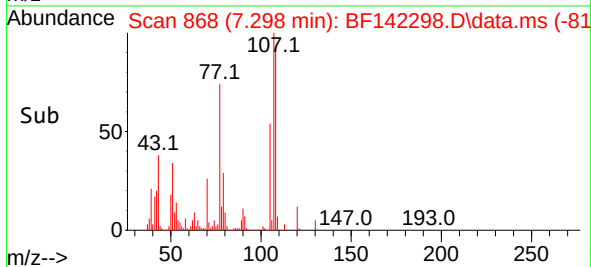
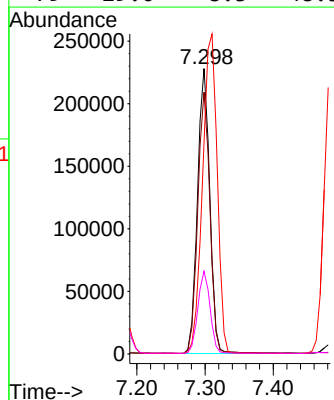
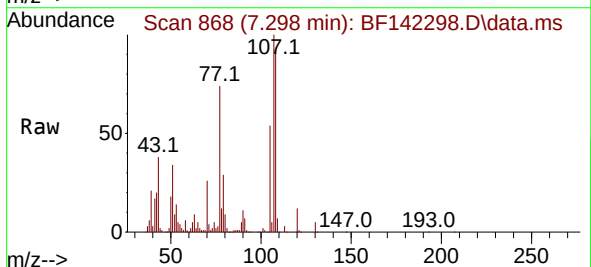
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

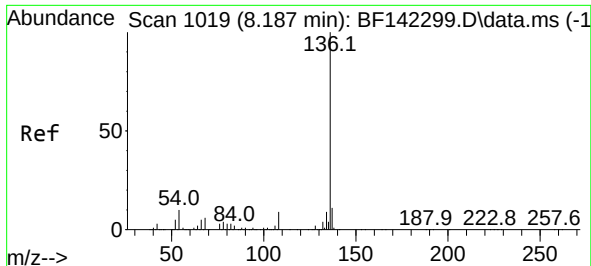
Tgt Ion: 70 Resp: 198554
Ion Ratio Lower Upper
70 100
42 69.7 54.8 82.2
101 9.7 7.7 11.5
130 21.8 17.4 26.2



#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



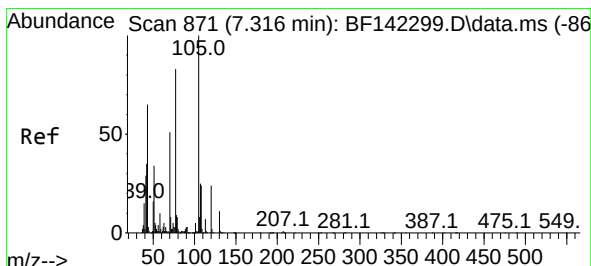
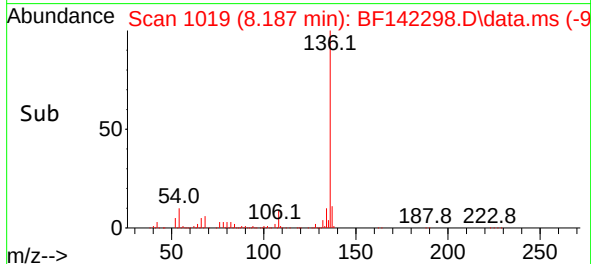
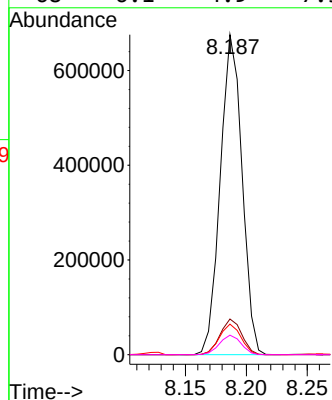
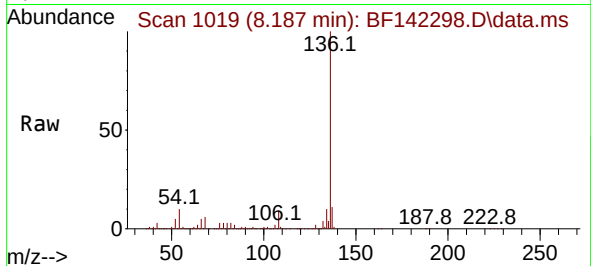


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:136 Resp: 842039

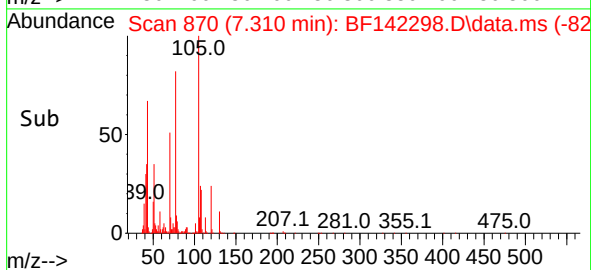
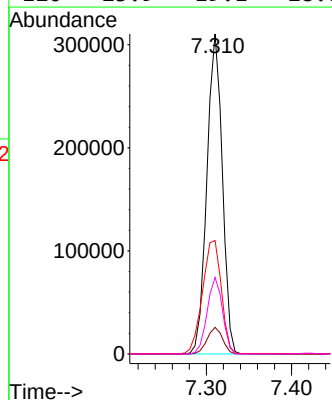
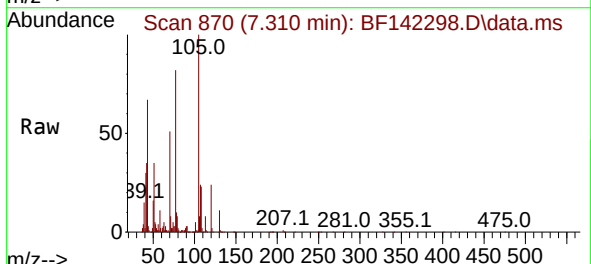
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	9.5	7.7	11.5
68	6.1	4.9	7.3

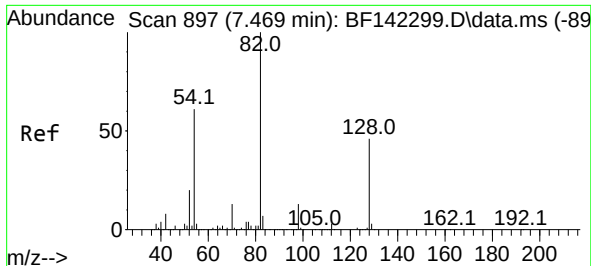


#22
Acetophenone
Concen: 20.871 ng
RT: 7.310 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

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# 896

Delta R.T. -0.006 min

Lab File: BF142298.D

Acq: 05 May 2025 15:21

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

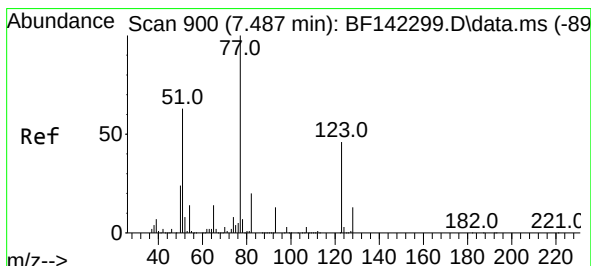
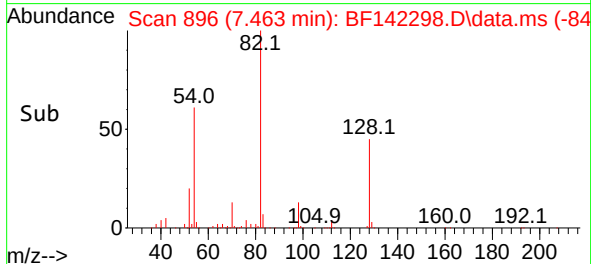
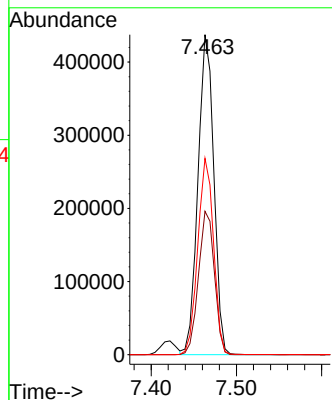
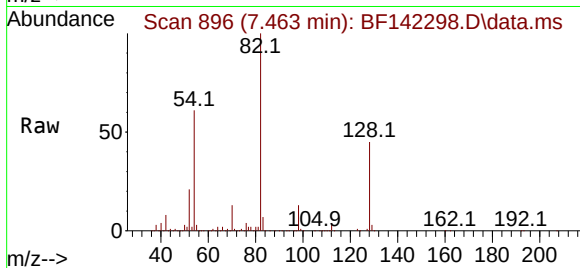
Tgt Ion: 82 Resp: 565303

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

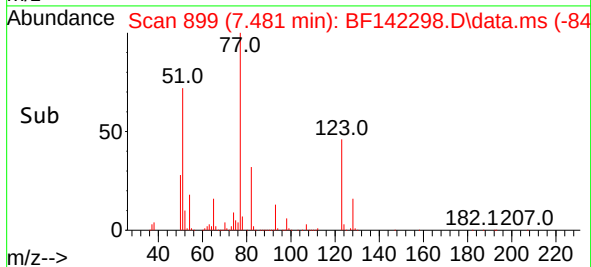
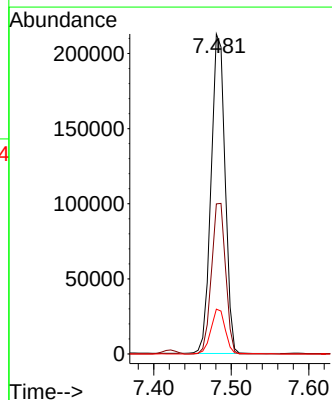
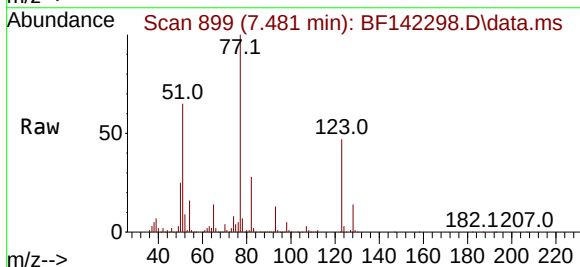
Tgt Ion: 77 Resp: 266464

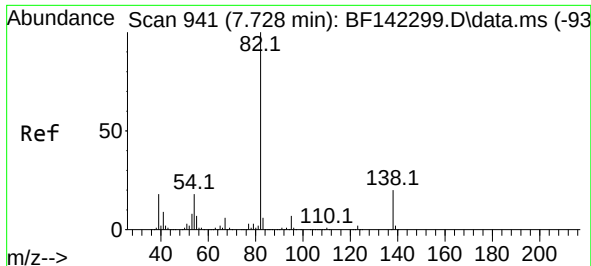
Ion Ratio Lower Upper

77 100

123 46.9 37.8 56.8

65 14.0 11.4 17.0

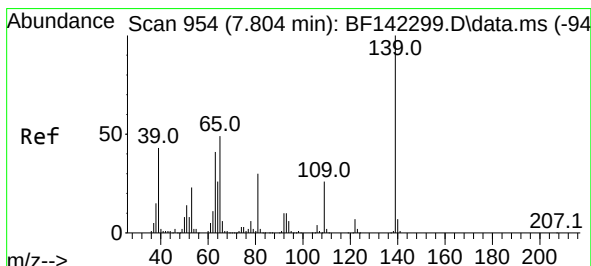
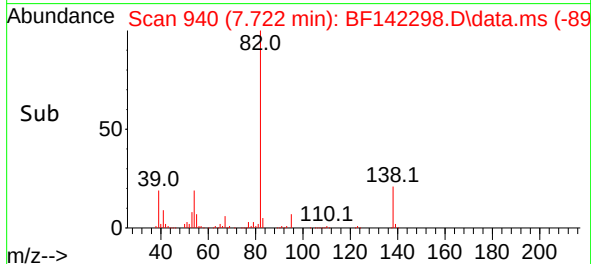
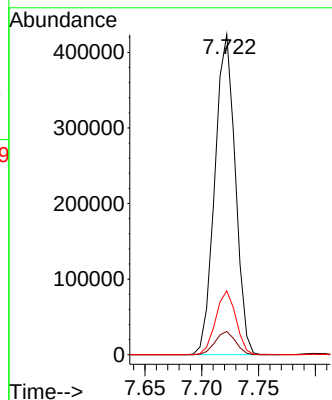
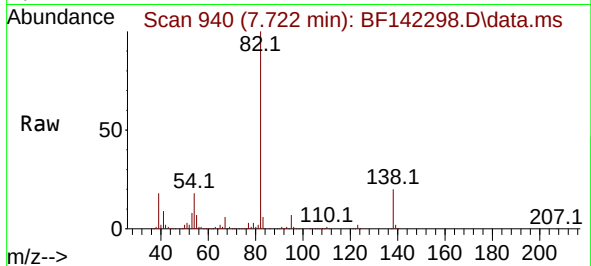




#25
Isophorone
Concen: 20.291 ng
RT: 7.722 min Scan# 941
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

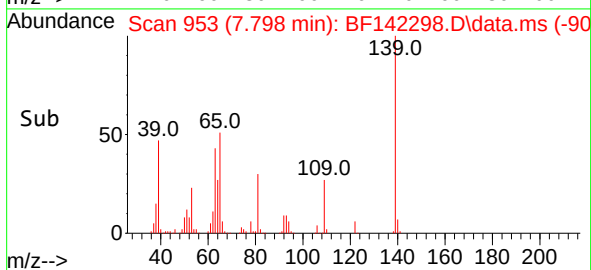
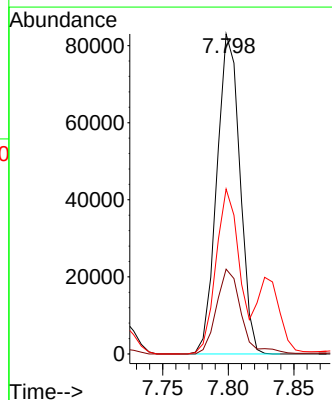
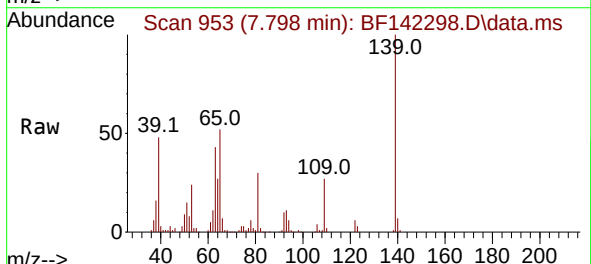
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

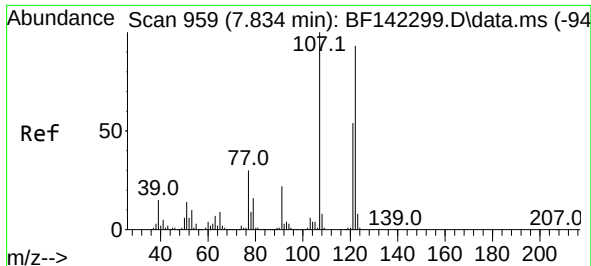
Tgt Ion: 82 Resp: 530519
Ion Ratio Lower Upper
82 100
95 7.3 5.8 8.8
138 20.0 16.1 24.1



#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# 91

Delta R.T. -0.006 min

Lab File: BF142298.D

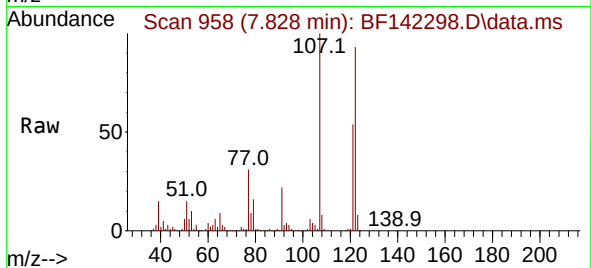
Acq: 05 May 2025 15:21

Instrument :

BNA_F

ClientSampleId :

SSTDICC020



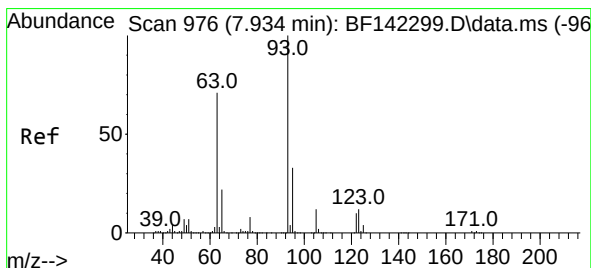
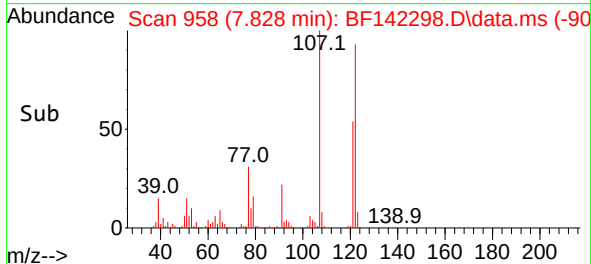
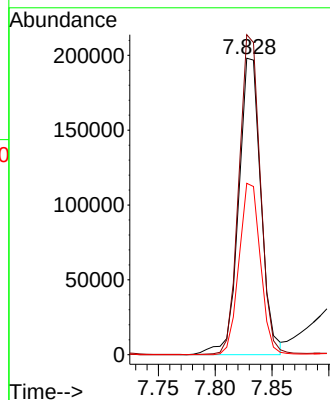
Tgt Ion:122 Resp: 270038

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

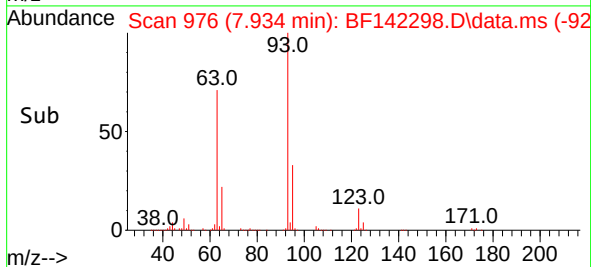
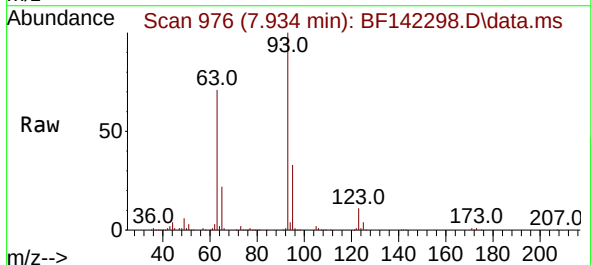
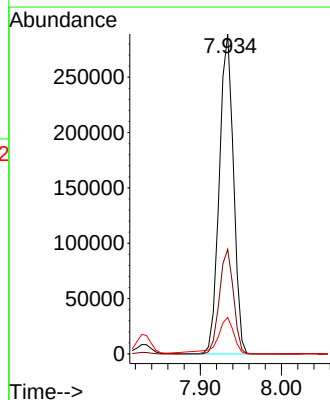
Tgt Ion: 93 Resp: 351686

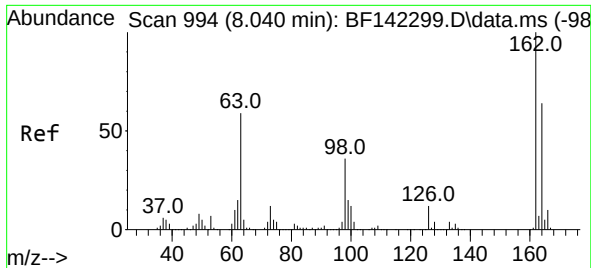
Ion Ratio Lower Upper

93 100

95 32.7 26.1 39.1

123 11.4 10.2 15.4

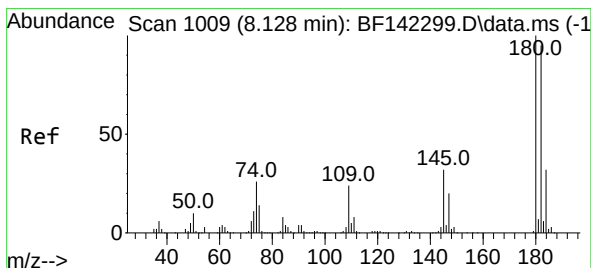
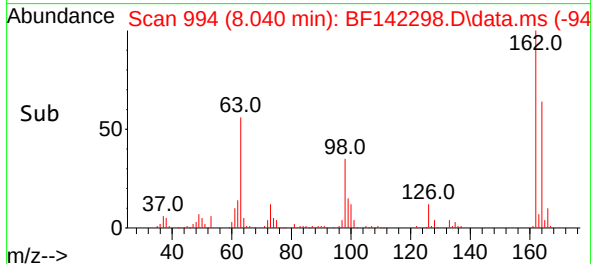
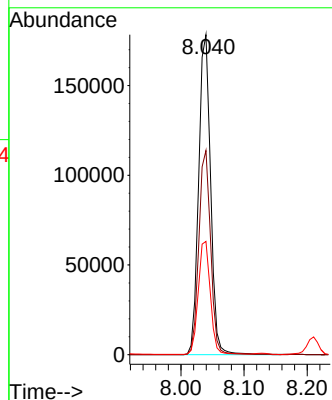
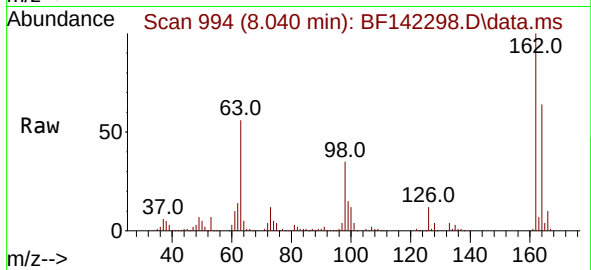




#29
2,4-Dichlorophenol
Concen: 20.924 ng
RT: 8.040 min Scan# 994
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

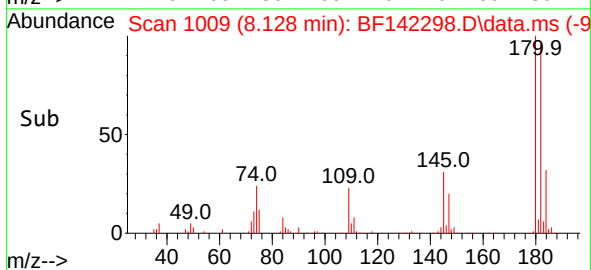
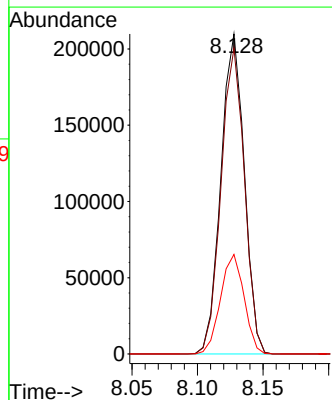
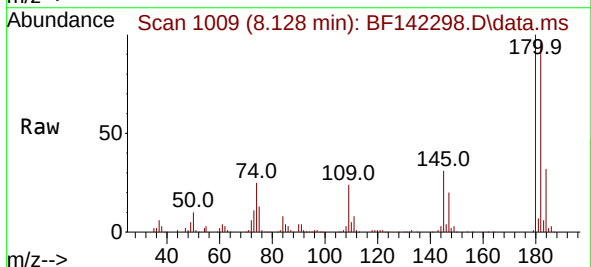
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

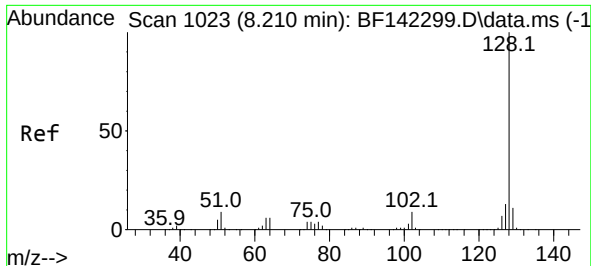
Tgt Ion:162 Resp: 233840
Ion Ratio Lower Upper
162 100
164 63.8 43.6 83.6
98 35.4 16.5 56.5



#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

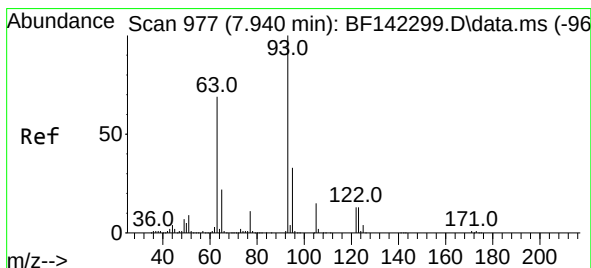
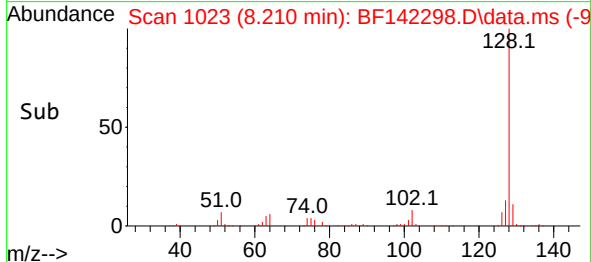
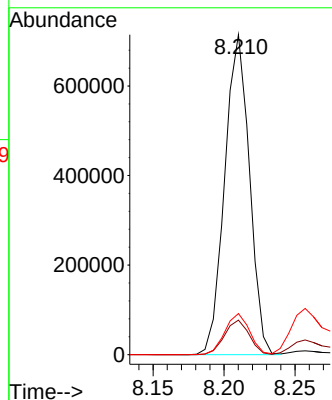
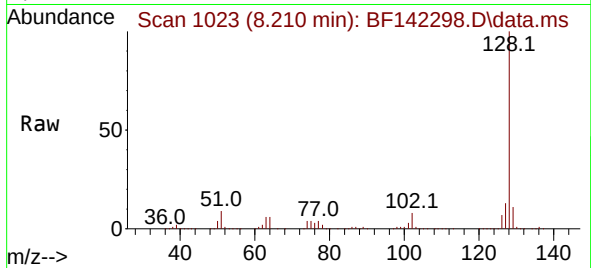




#31
Naphthalene
Concen: 21.209 ng
RT: 8.210 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

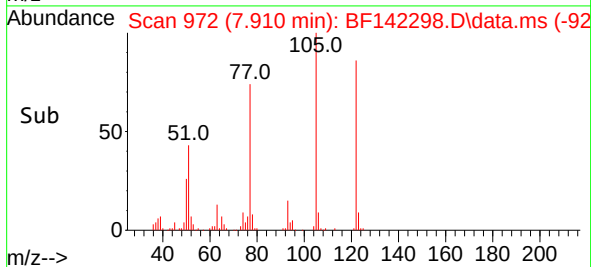
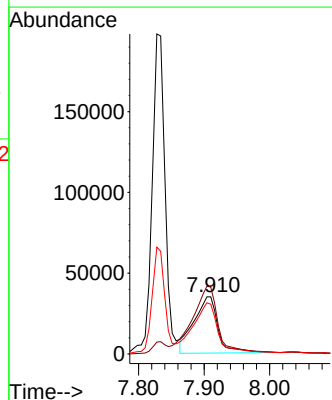
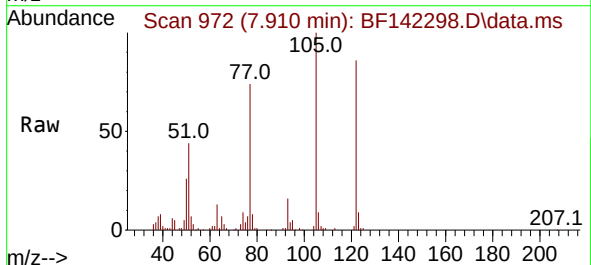
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

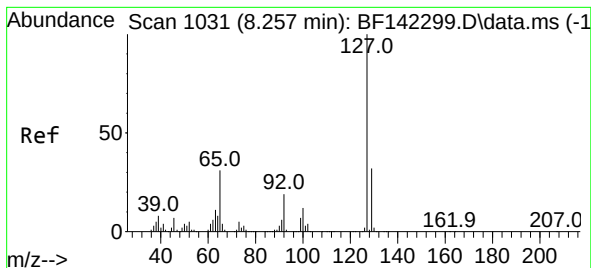
Tgt Ion:128 Resp: 865551
Ion Ratio Lower Upper
128 100
129 10.8 9.1 13.7
127 12.9 10.5 15.7



#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

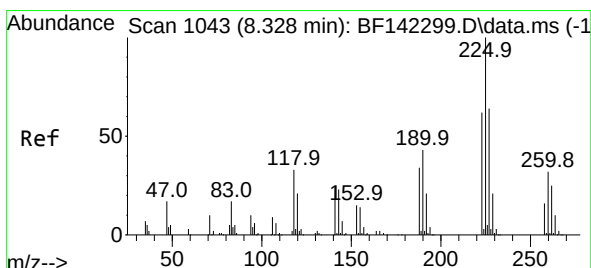
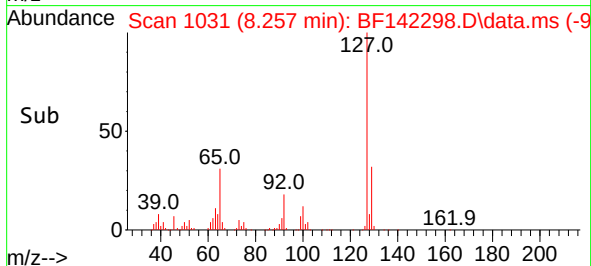
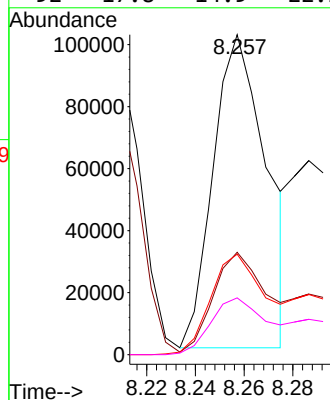
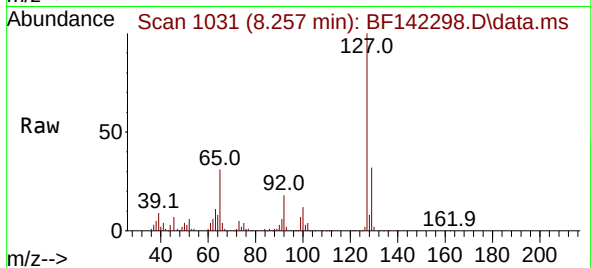
Ion Ratio Lower Upper

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

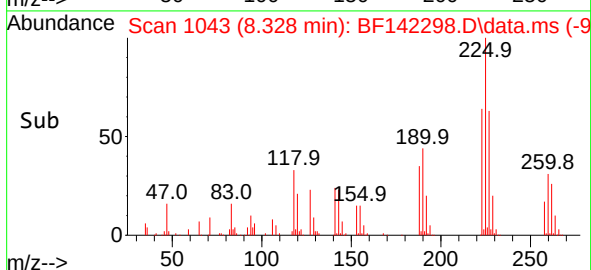
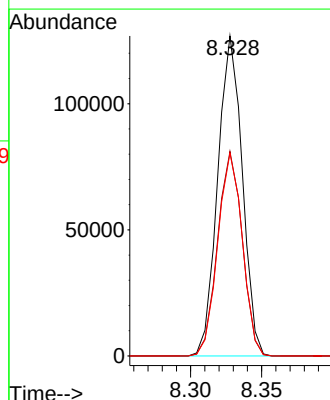
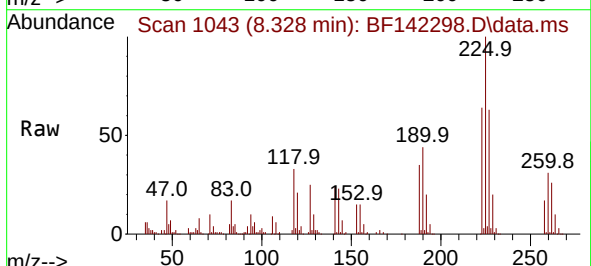
Tgt Ion:225 Resp: 152292

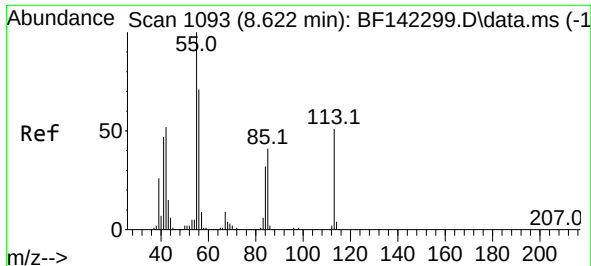
Ion Ratio Lower Upper

225 100

223 63.9 49.8 74.6

227 63.4 50.9 76.3

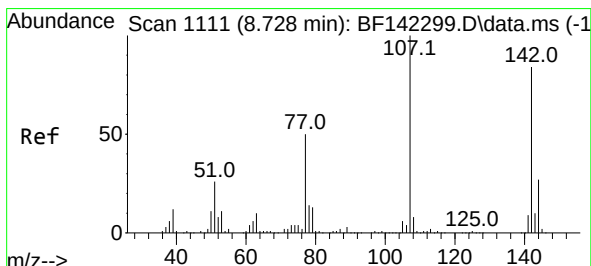
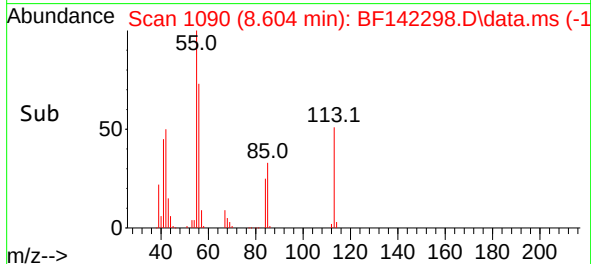
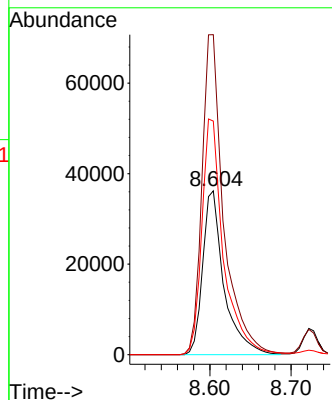
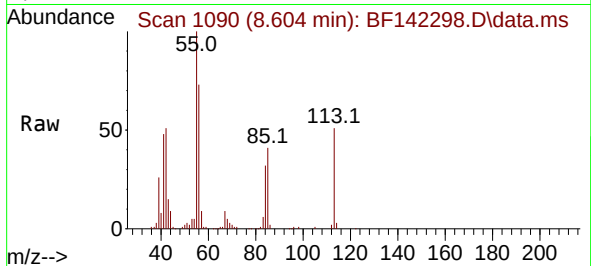




#35
 Caprolactam
 Concen: 20.272 ng
 RT: 8.604 min Scan# 1109
 Delta R.T. -0.018 min
 Lab File: BF142298.D
 Acq: 05 May 2025 15:21

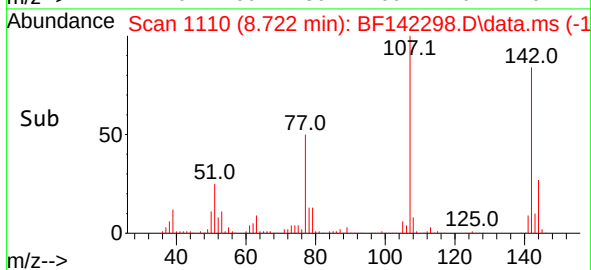
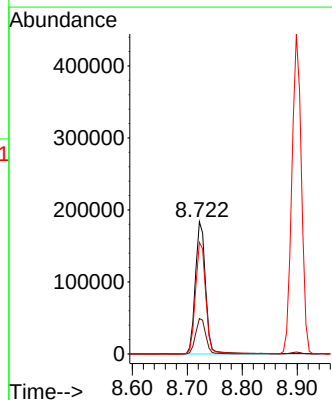
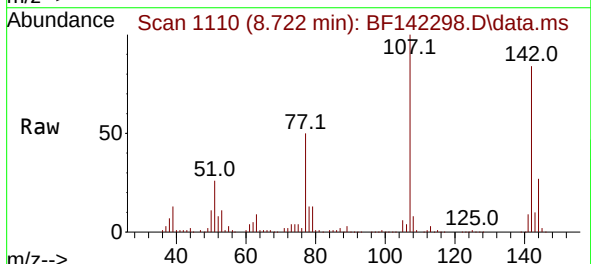
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020

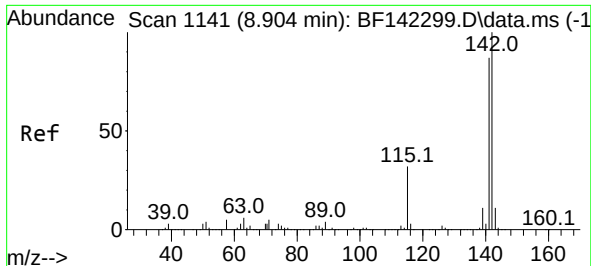
Tgt Ion:113 Resp: 65889
 Ion Ratio Lower Upper
 113 100
 55 195.2 176.4 216.4
 56 142.6 120.3 160.3



#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# 1140

Delta R.T. -0.006 min

Lab File: BF142298.D

Acq: 05 May 2025 15:21

Instrument :

BNA_F

ClientSampleId :

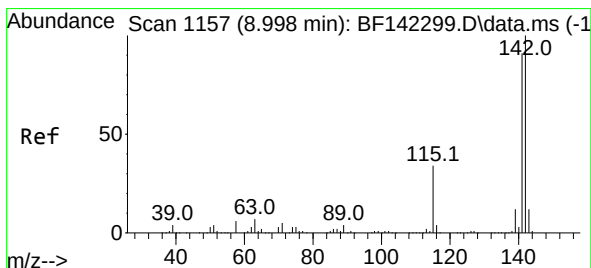
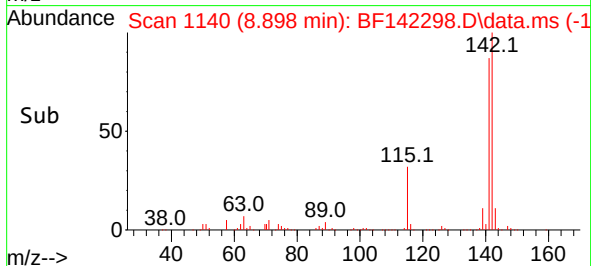
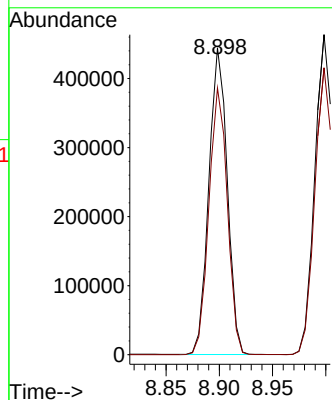
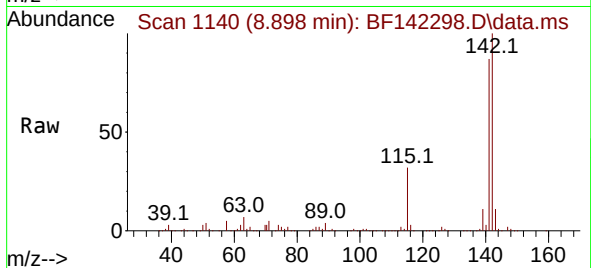
SSTDICC020

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

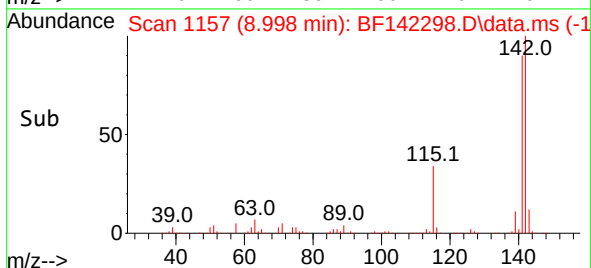
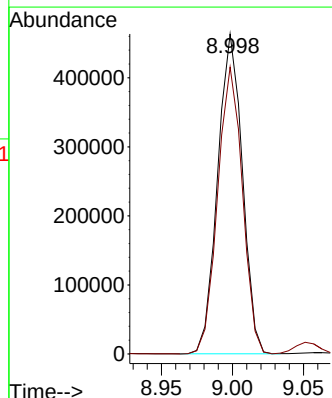
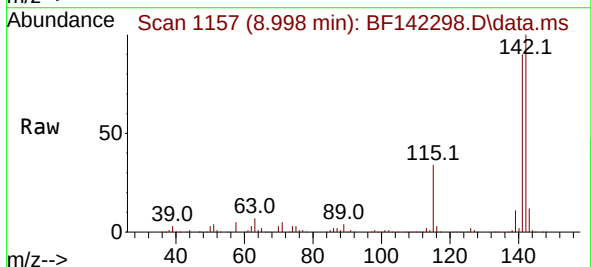
Acq: 05 May 2025 15:21

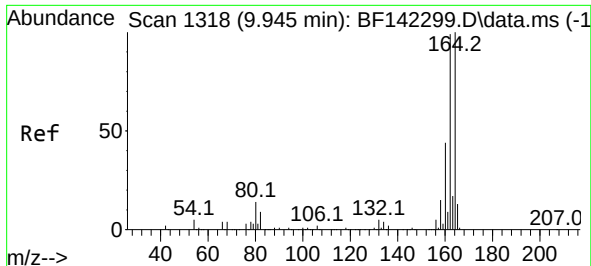
Tgt Ion:142 Resp: 559888

Ion Ratio Lower Upper

142 100

141 89.7 72.5 108.7

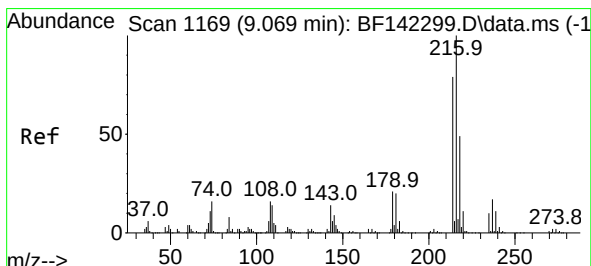
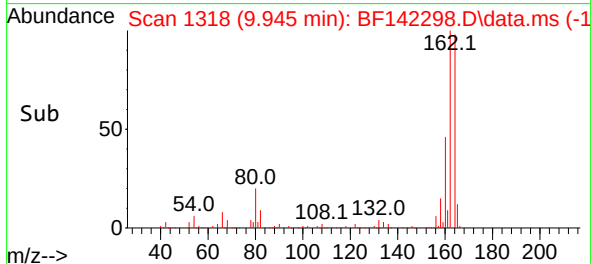
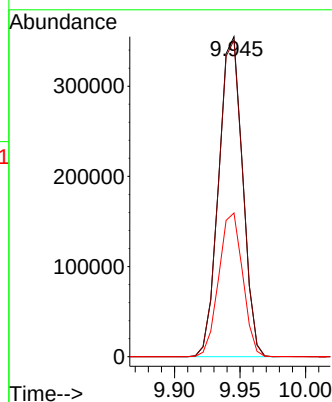
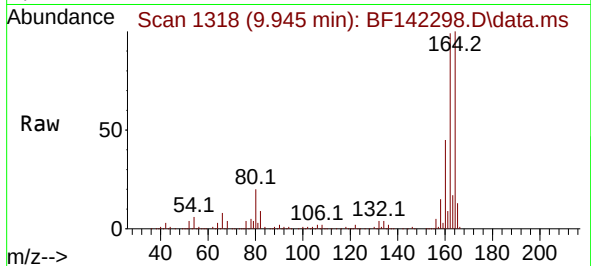




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1168
Delta R.T. 0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

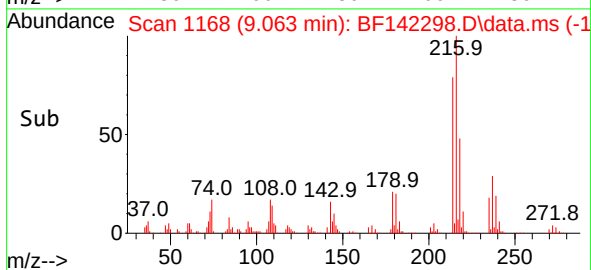
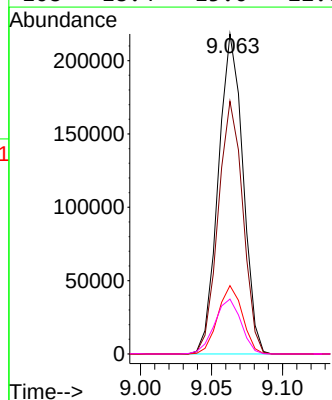
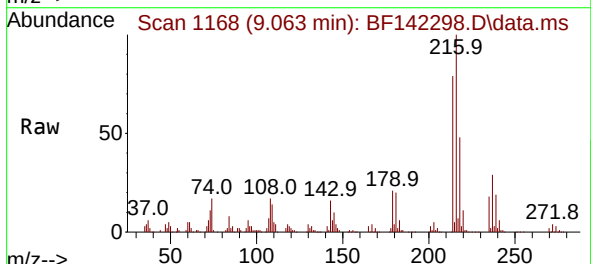
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

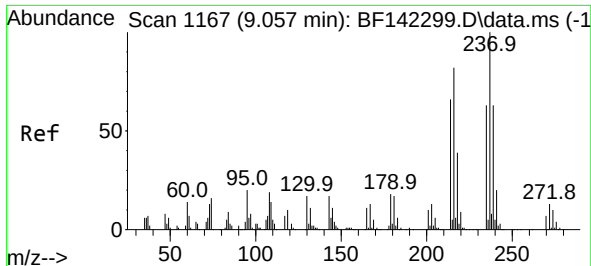
Tgt Ion:164 Resp: 449427
Ion Ratio Lower Upper
164 100
162 98.9 79.2 118.8
160 44.9 35.3 52.9



#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

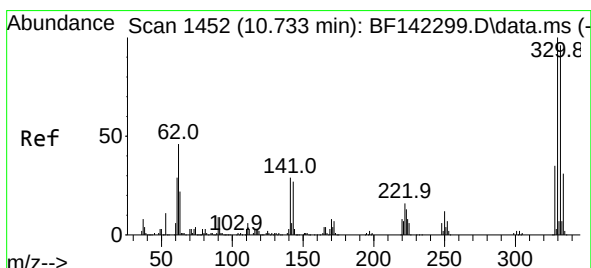
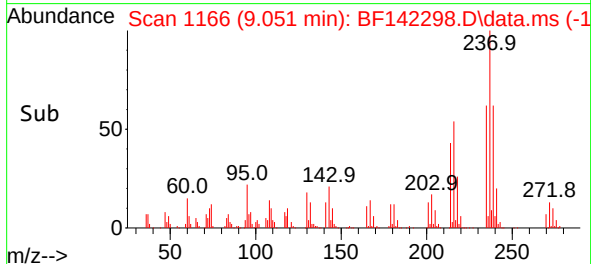
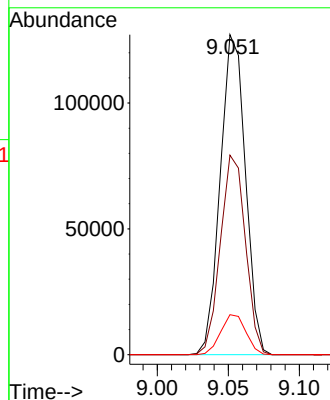
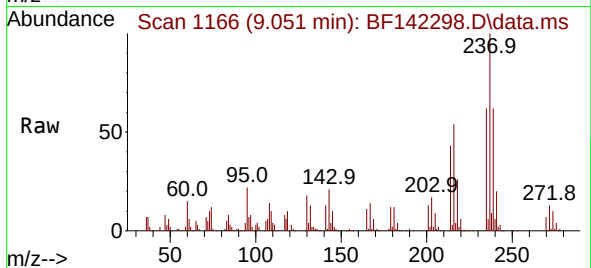




#41
Hexachlorocyclopentadiene
Concen: 20.200 ng
RT: 9.051 min Scan# 1166
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

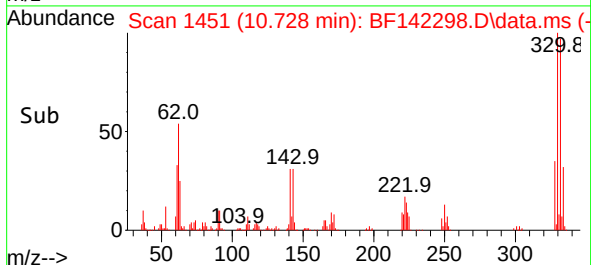
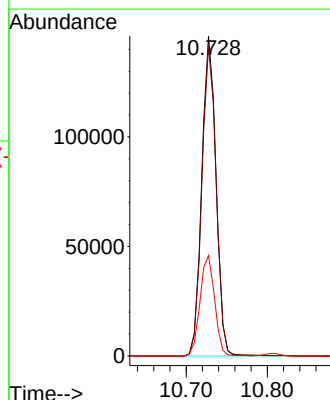
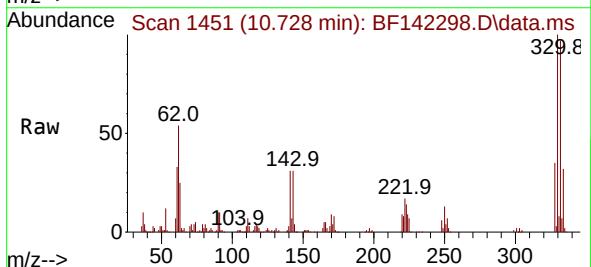
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

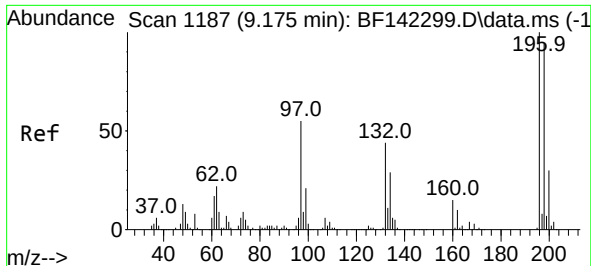
Tgt Ion:237 Resp: 156699
Ion Ratio Lower Upper
237 100
235 62.4 42.8 82.8
272 12.5 0.0 33.0



#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# 1186

Delta R.T. -0.006 min

Lab File: BF142298.D

Acq: 05 May 2025 15:21

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

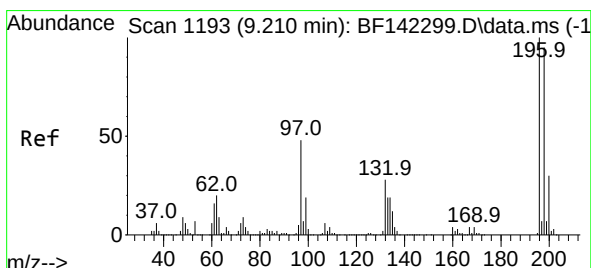
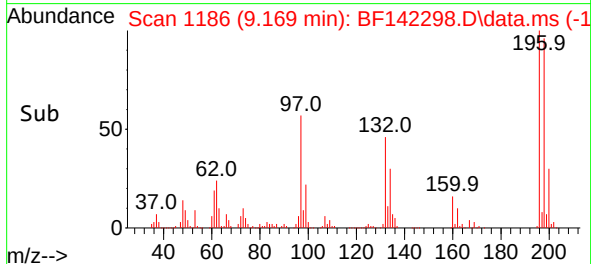
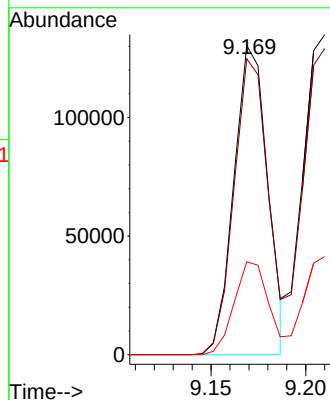
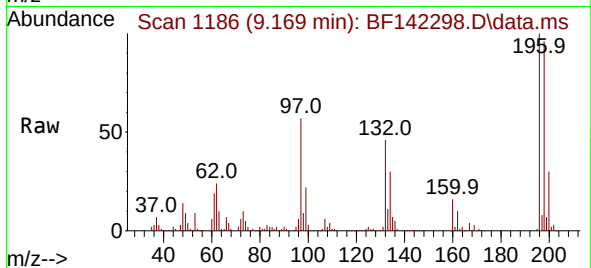
Tgt Ion:196 Resp: 161721

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

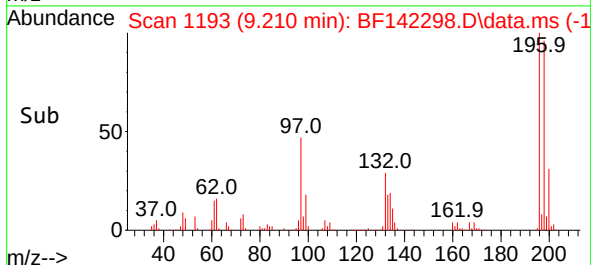
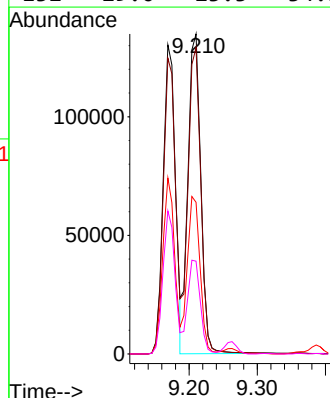
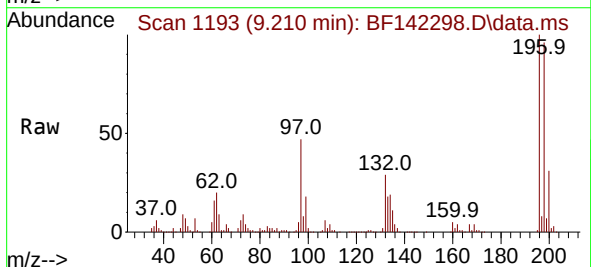
Ion Ratio Lower Upper

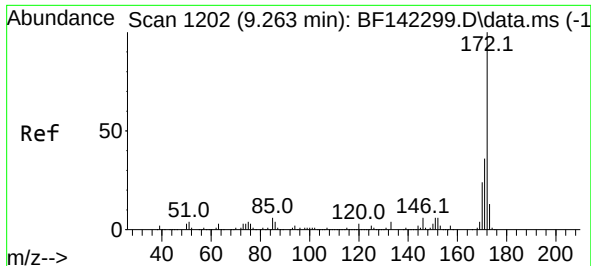
196 100

198 95.7 76.1 114.1

97 47.4 39.0 58.4

132 29.0 23.3 34.9

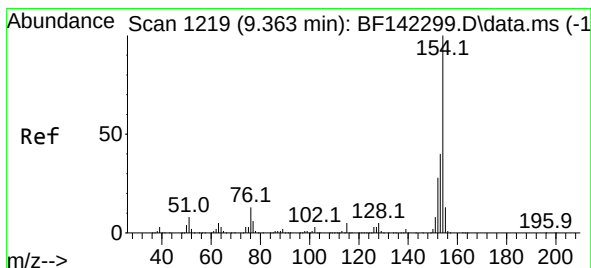
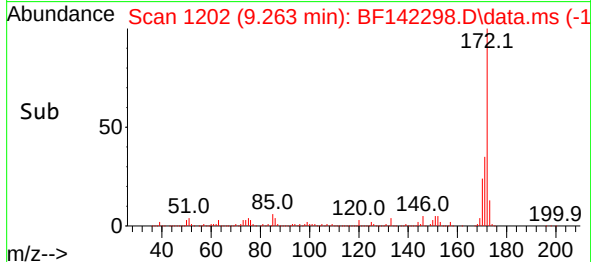
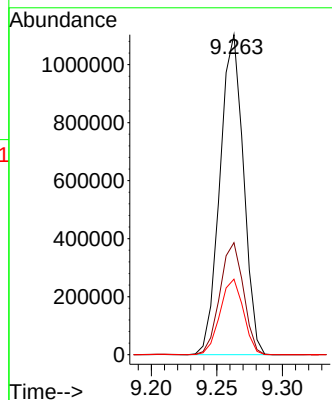
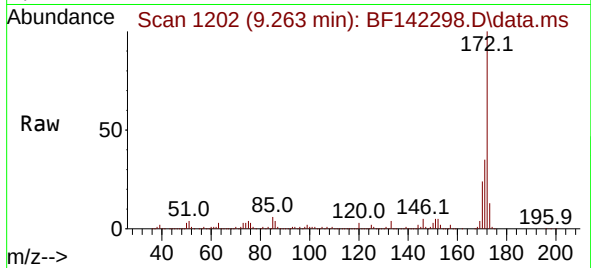




#45
2-Fluorobiphenyl
Concen: 43.691 ng
RT: 9.263 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

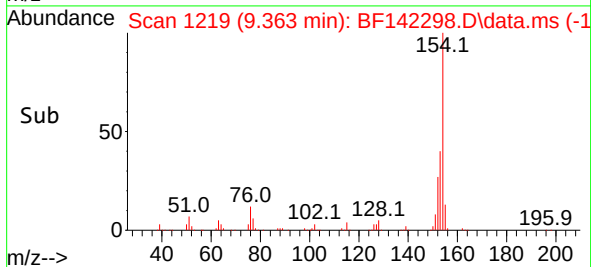
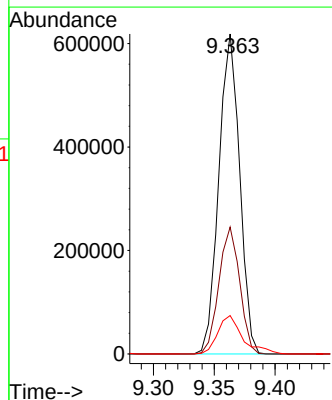
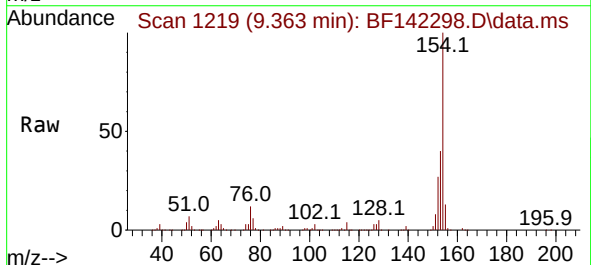
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

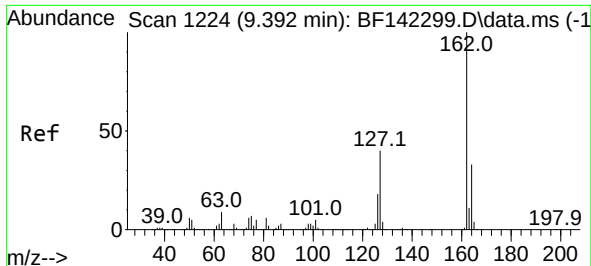
Tgt Ion:172 Resp: 1377117
Ion Ratio Lower Upper
172 100
171 35.0 28.6 42.8
170 23.6 19.0 28.4



#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

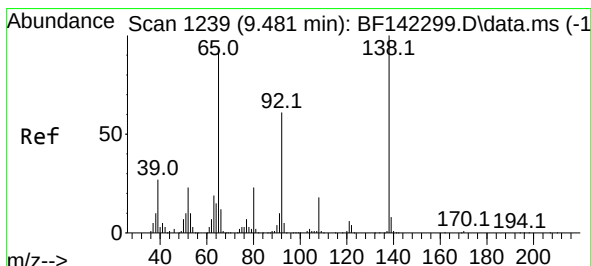
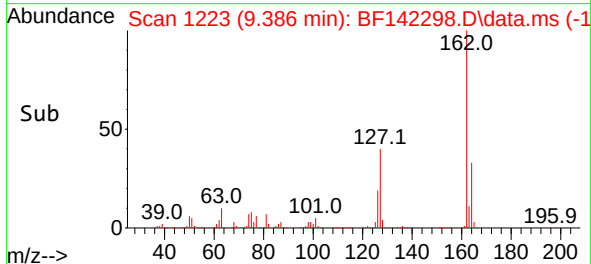
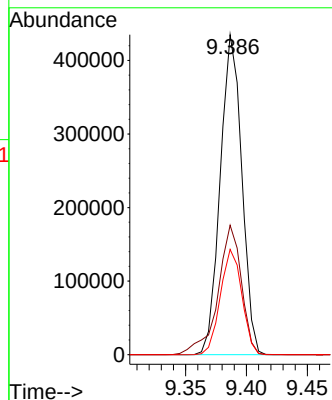
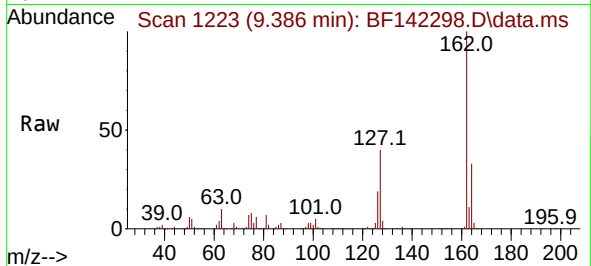




#47
2-Chloronaphthalene
Concen: 20.924 ng
RT: 9.386 min Scan# 1223
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

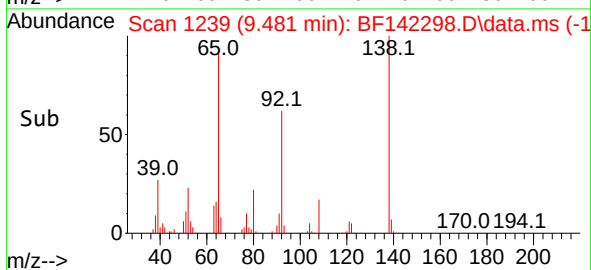
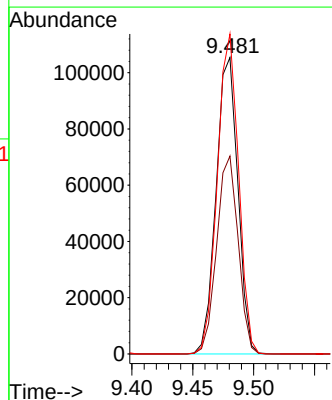
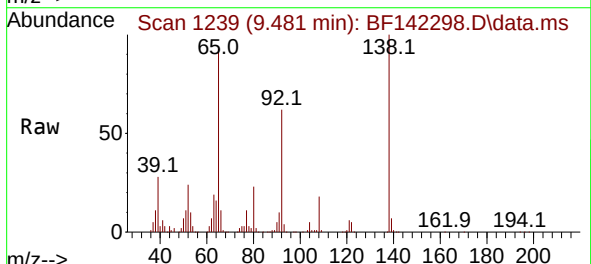
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

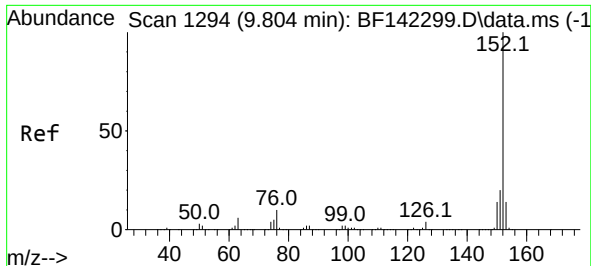
Tgt Ion:162 Resp: 536203
Ion Ratio Lower Upper
162 100
127 40.5 32.3 48.5
164 32.9 26.6 40.0



#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

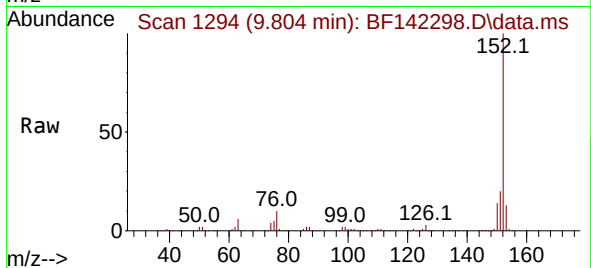
Tgt Ion: 65 Resp: 131275
Ion Ratio Lower Upper
65 100
92 66.7 52.3 78.5
138 107.9 85.6 128.4



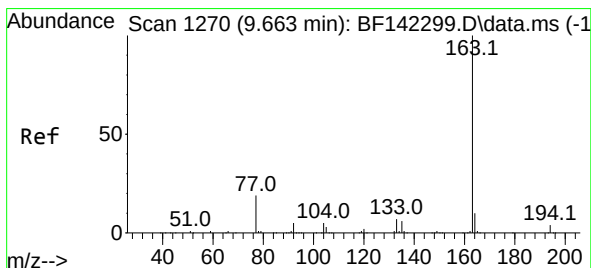
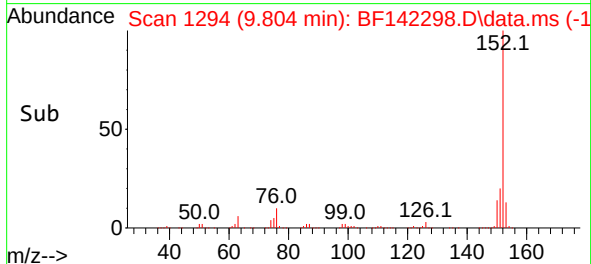
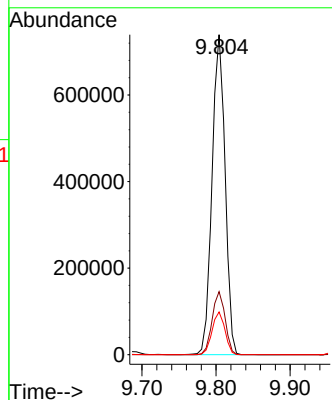


#49
Acenaphthylene
Concen: 21.063 ng
RT: 9.804 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

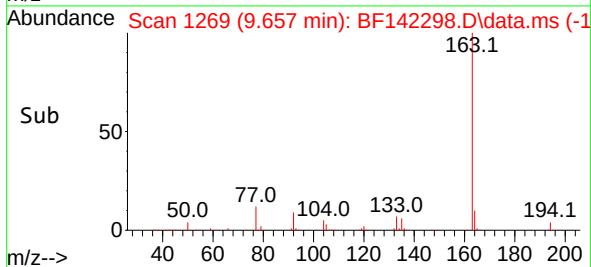
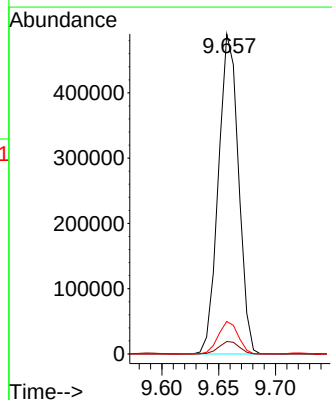
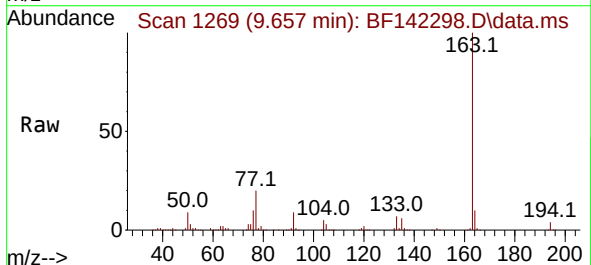


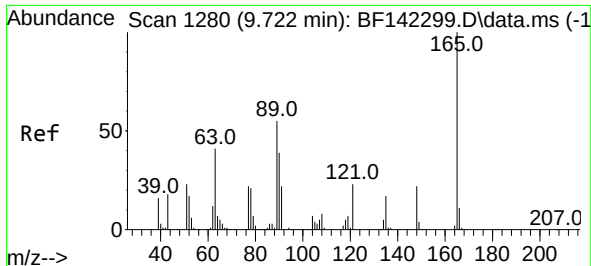
Tgt Ion:152 Resp: 902949
Ion Ratio Lower Upper
152 100
151 19.7 16.0 24.0
153 13.3 10.8 16.2



#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

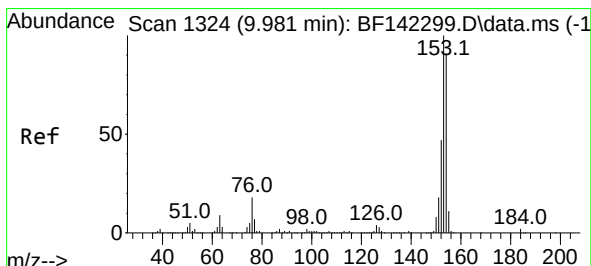
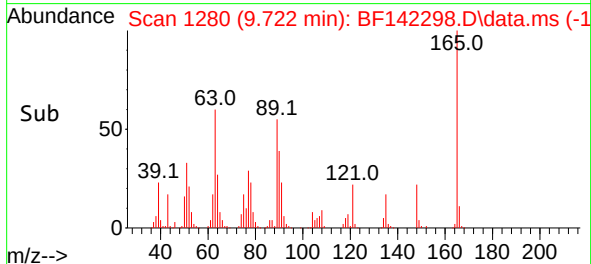
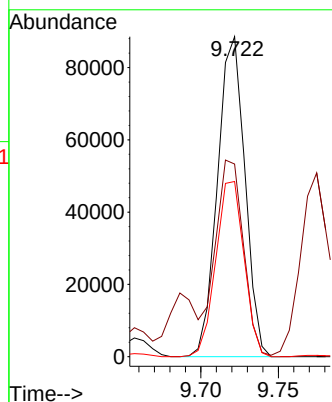
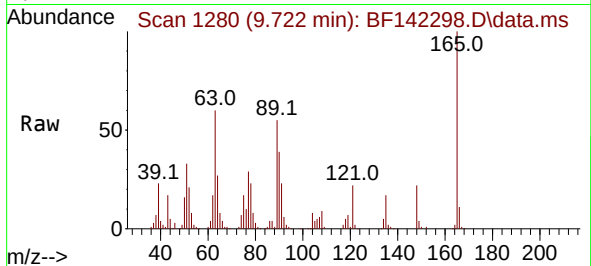




#51
2,6-Dinitrotoluene
Concen: 20.163 ng
RT: 9.722 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

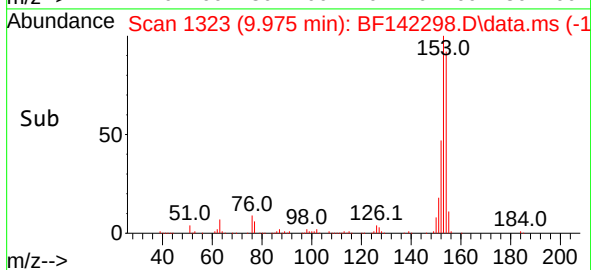
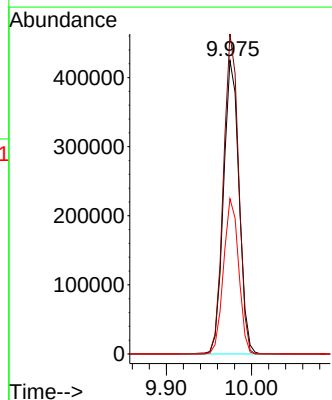
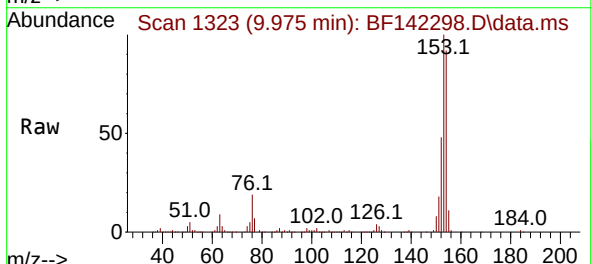
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

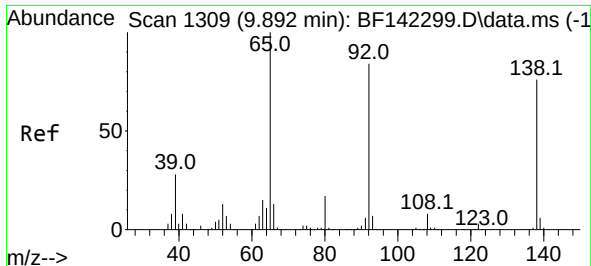
Tgt Ion:165 Resp: 108919
Ion Ratio Lower Upper
165 100
63 60.2 49.5 74.3
89 54.7 44.6 66.8



#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

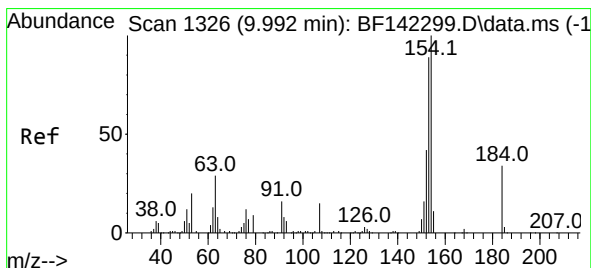
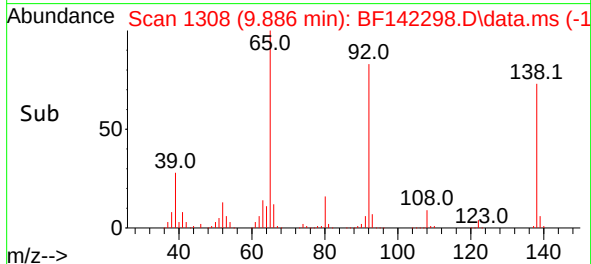
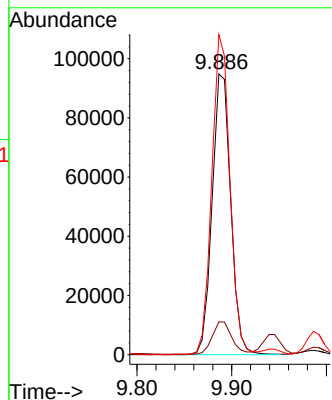
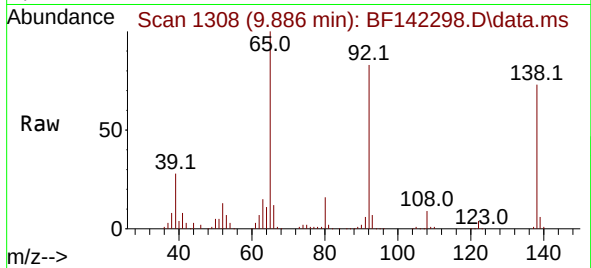




#53
3-Nitroaniline
Concen: 20.431 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

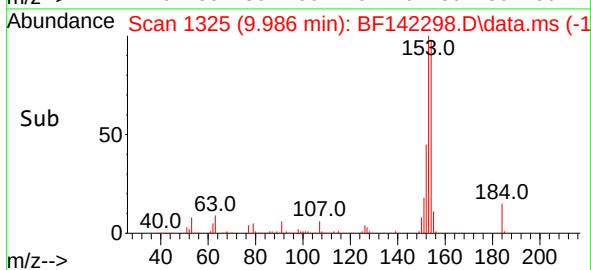
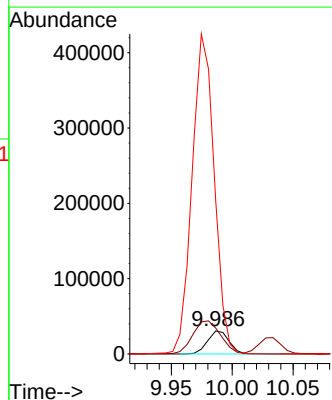
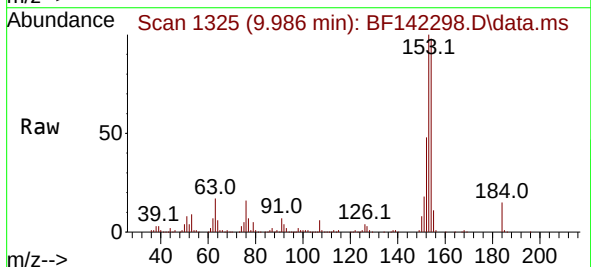
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

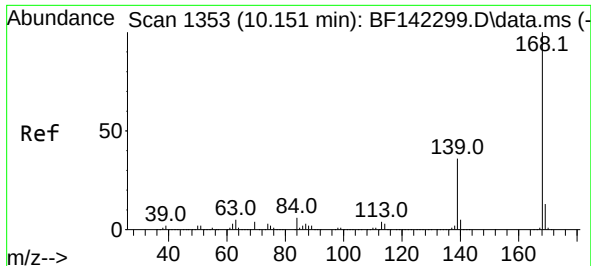
Tgt Ion:138 Resp: 129439
Ion Ratio Lower Upper
138 100
108 11.7 8.7 13.1
92 114.0 89.5 134.3



#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#

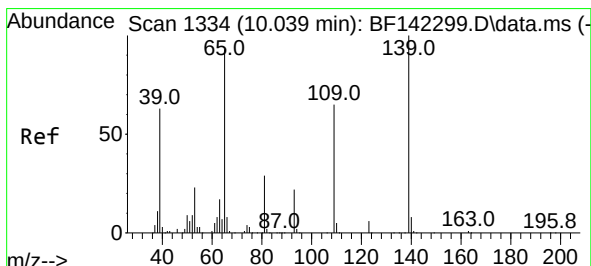
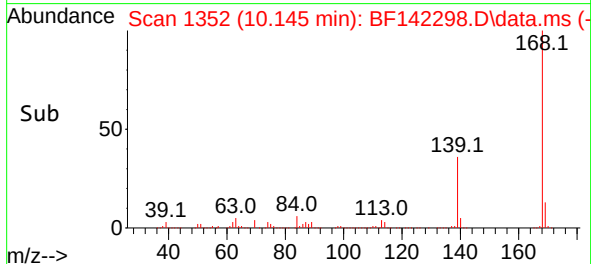
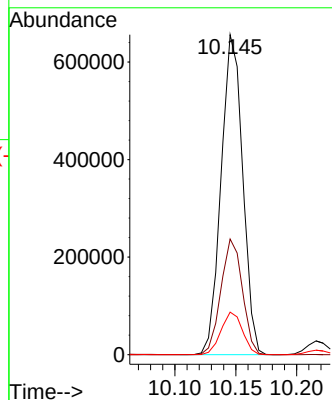
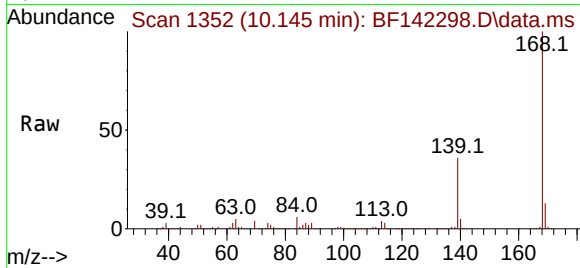




#55
Dibenzofuran
Concen: 21.274 ng
RT: 10.145 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

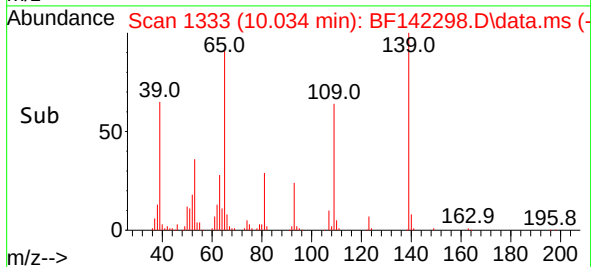
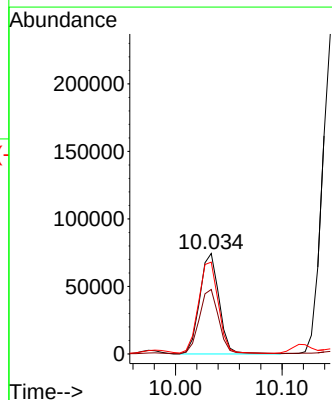
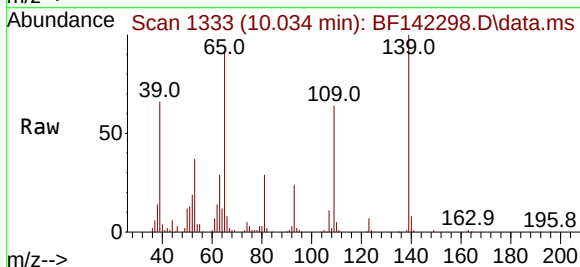
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

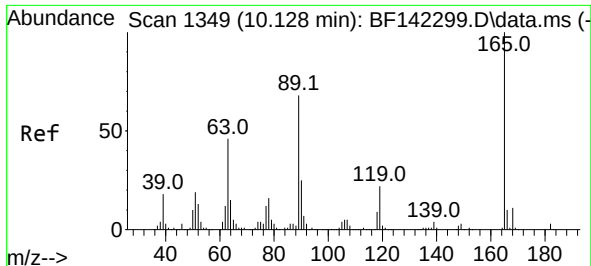
Tgt Ion:168 Resp: 809325
Ion Ratio Lower Upper
168 100
139 36.1 29.0 43.4
169 13.3 10.7 16.1



#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

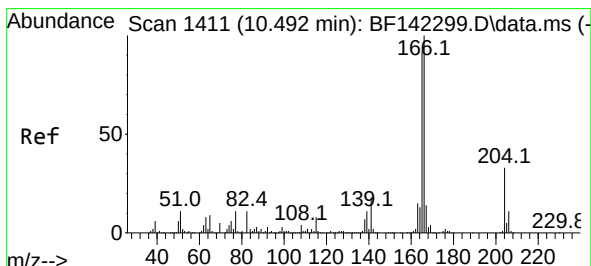
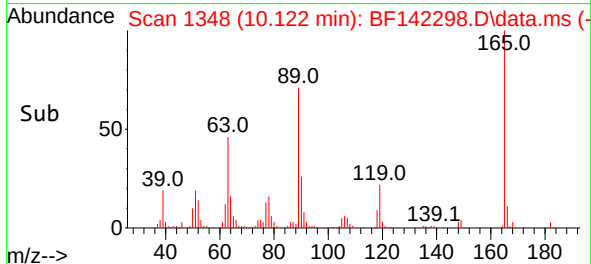
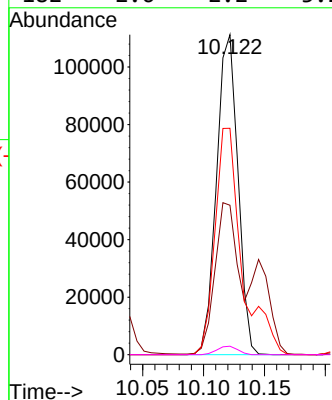
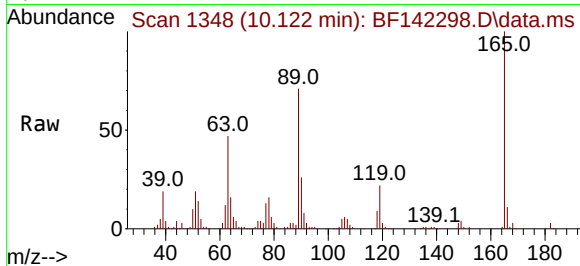




#57
2,4-Dinitrotoluene
Concen: 19.647 ng
RT: 10.122 min Scan# 1349
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

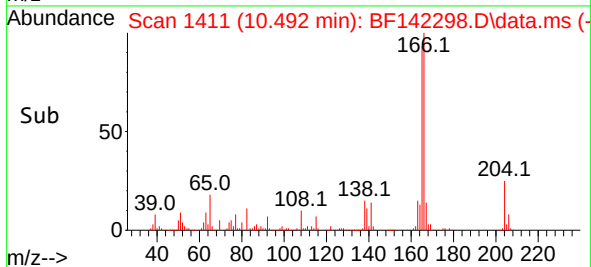
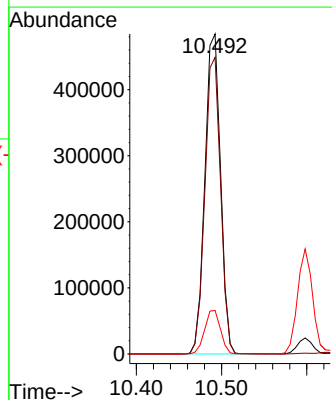
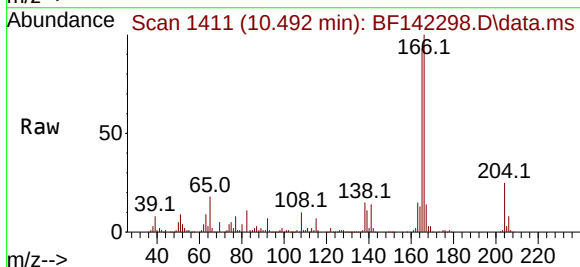
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

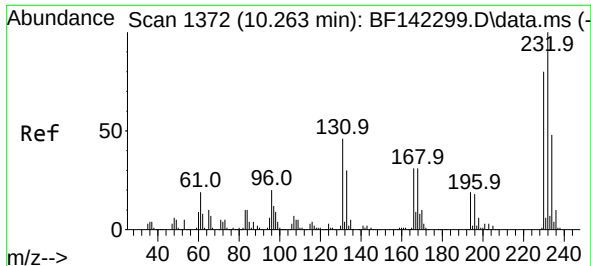
Tgt Ion:165 Resp: 136138
Ion Ratio Lower Upper
165 100
63 46.7 37.1 55.7
89 70.8 54.4 81.6
182 2.6 2.2 3.2



#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

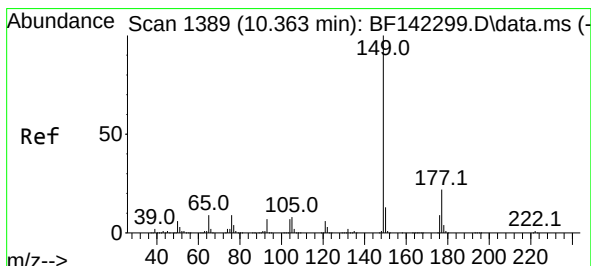
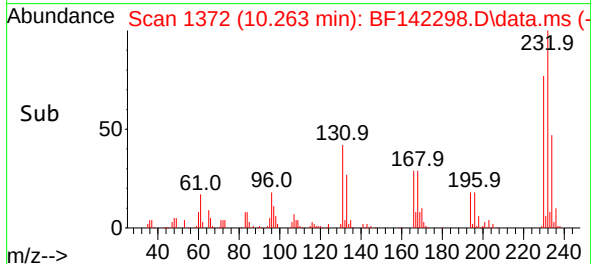
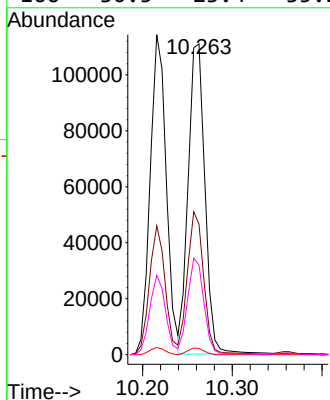
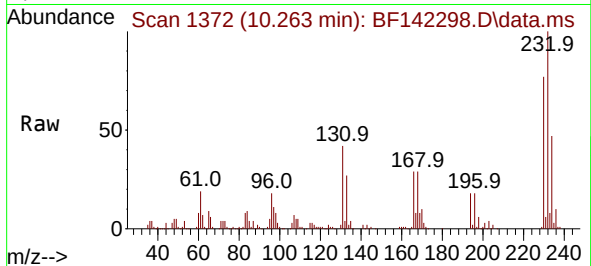




#59
2,3,4,6-Tetrachlorophenol
Concen: 20.664 ng
RT: 10.263 min Scan# 1372
Delta R.T. -0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

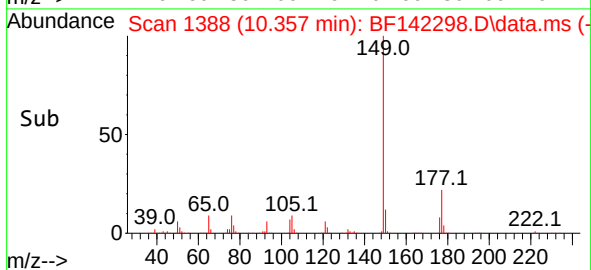
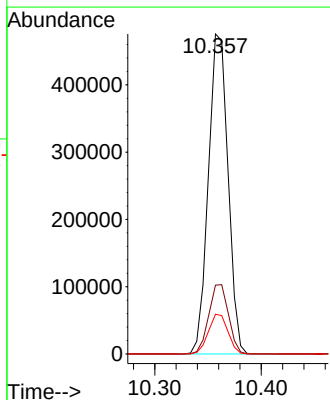
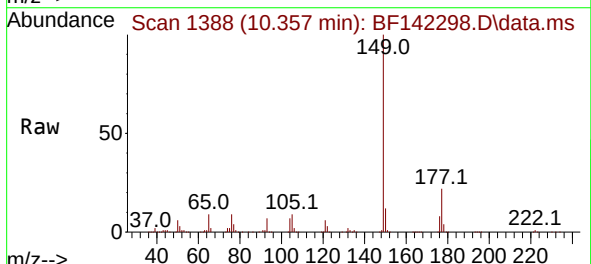
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

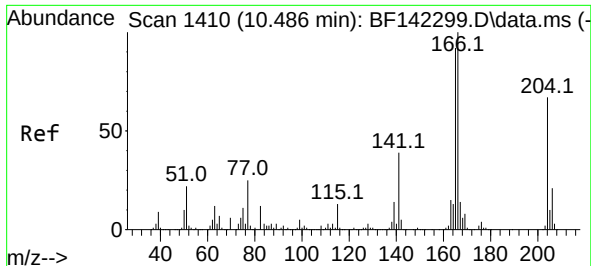
Tgt Ion:232 Resp: 143706
Ion Ratio Lower Upper
232 100
131 45.0 36.0 54.0
130 2.1 1.8 2.6
166 30.5 23.4 35.2



#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

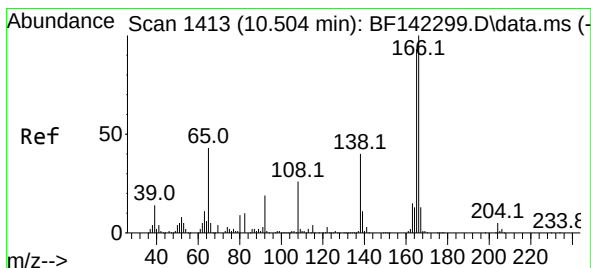
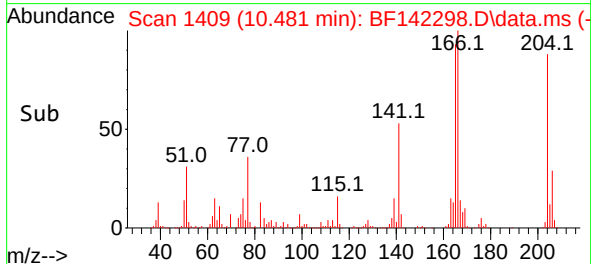
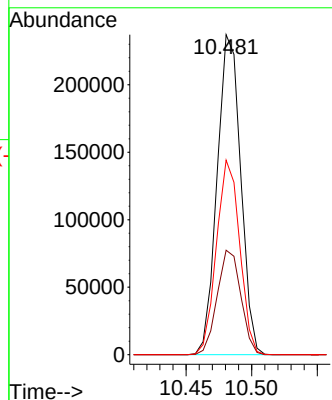
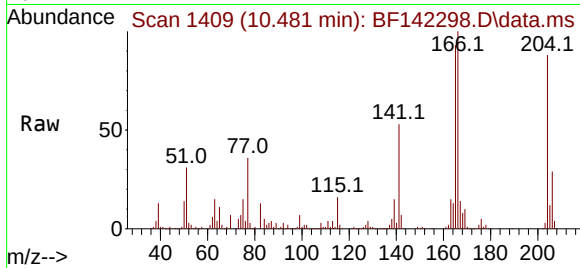




#61
4-Chlorophenyl-phenylether
Concen: 21.116 ng
RT: 10.481 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

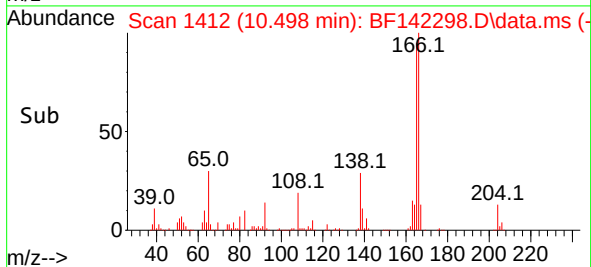
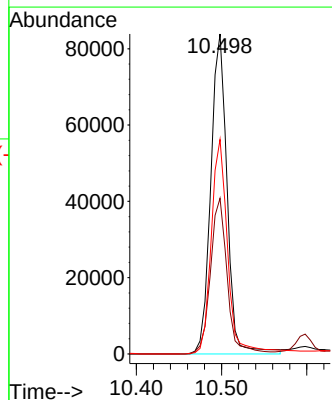
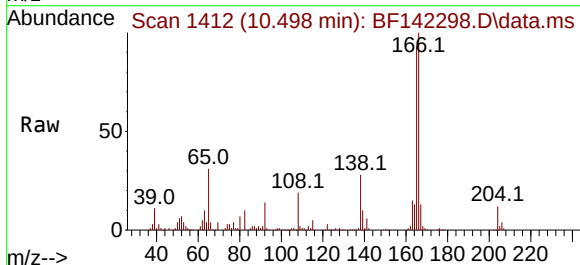
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

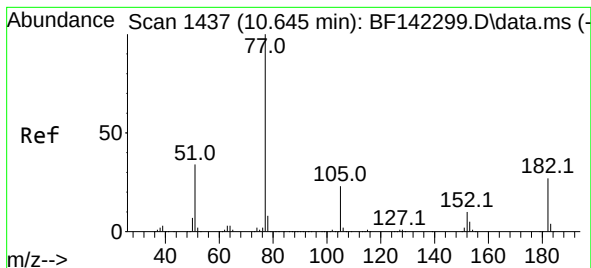
Tgt Ion:204 Resp: 295765
Ion Ratio Lower Upper
204 100
206 32.6 25.5 38.3
141 60.8 46.4 69.6



#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# 1436

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

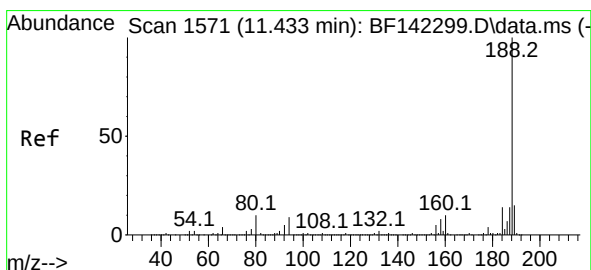
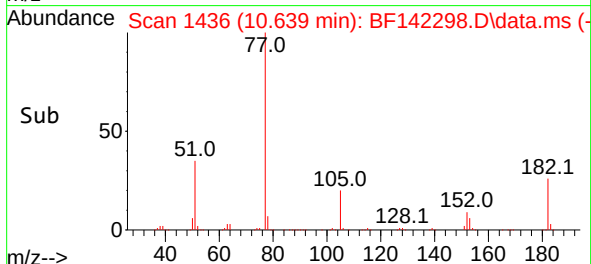
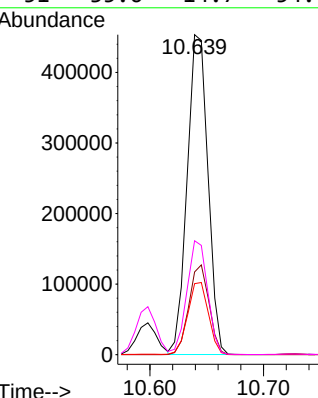
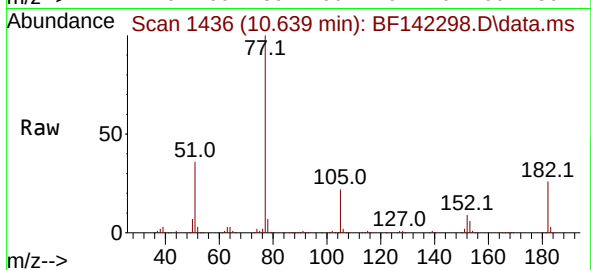
Ion Ratio Lower Upper

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

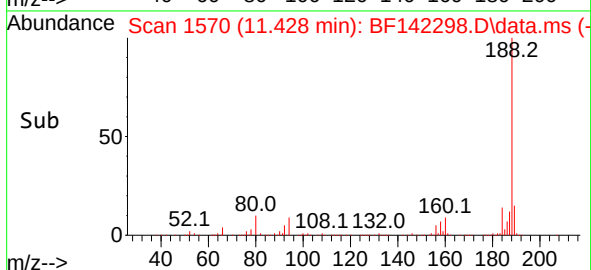
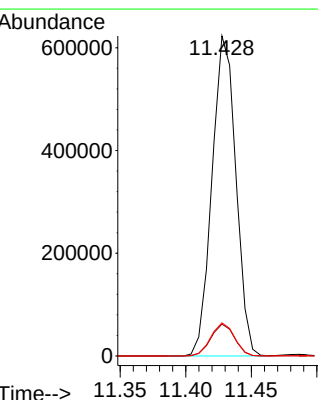
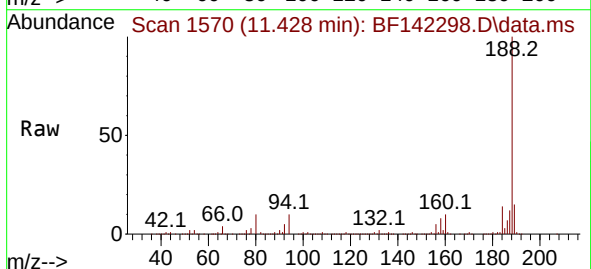
Tgt Ion: 188 Resp: 788283

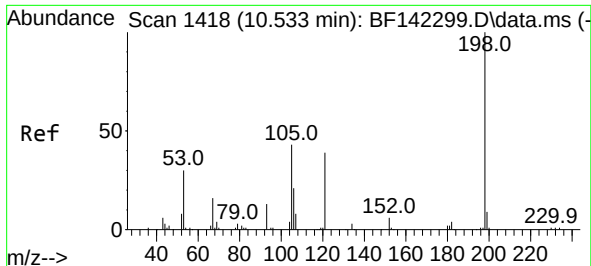
Ion Ratio Lower Upper

188 100

94 10.0 7.5 11.3

80 10.4 7.9 11.9

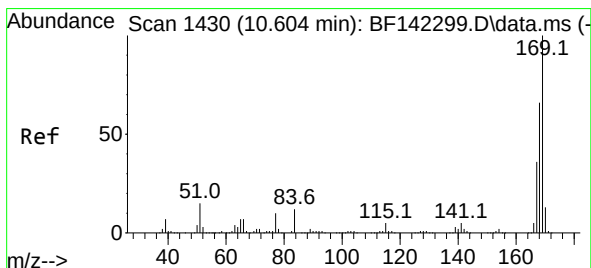
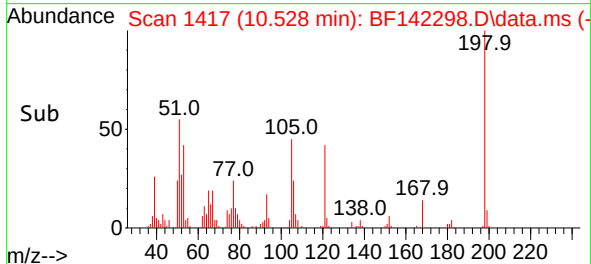
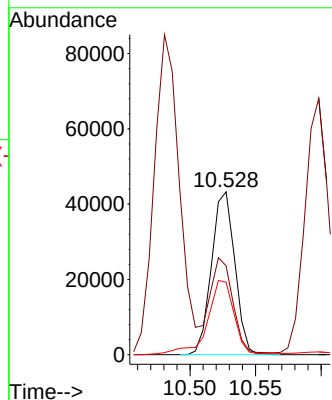
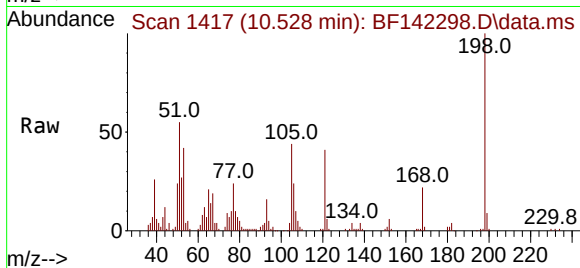




#65
4,6-Dinitro-2-methylphenol
Concen: 19.555 ng
RT: 10.528 min Scan# 1418
Delta R.T. -0.005 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

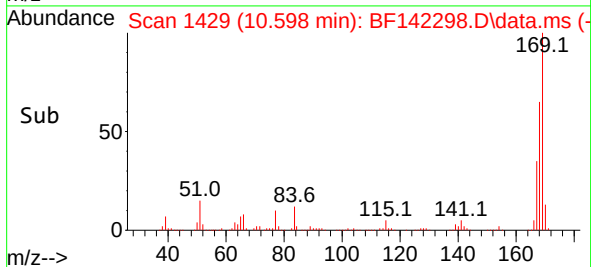
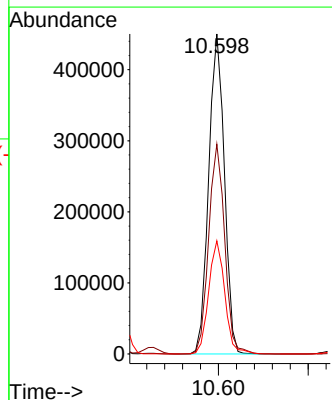
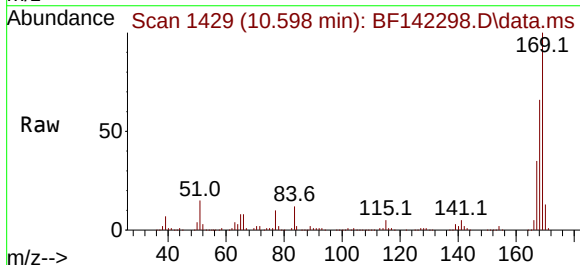
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

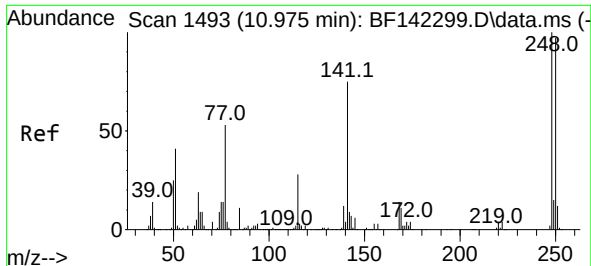
Tgt Ion:198 Resp: 53454
Ion Ratio Lower Upper
198 100
51 54.5 32.9 72.9
105 44.5 23.7 63.7



#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

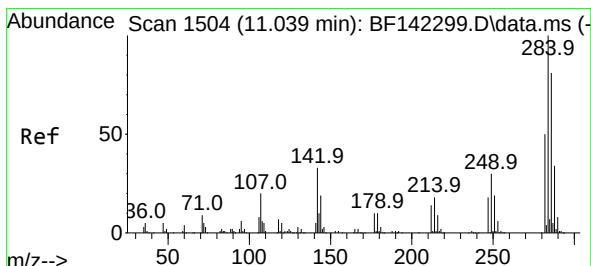
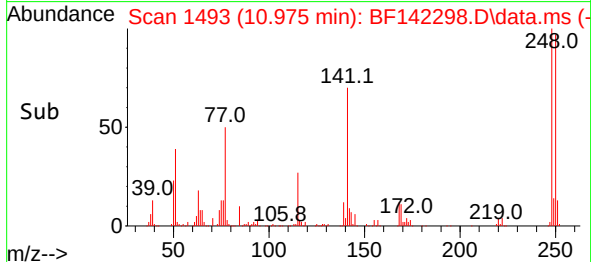
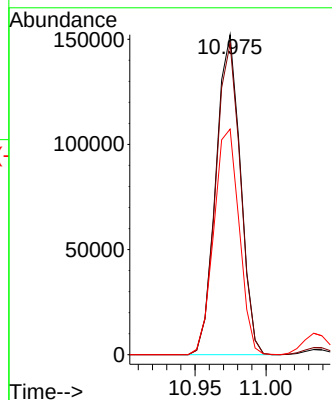
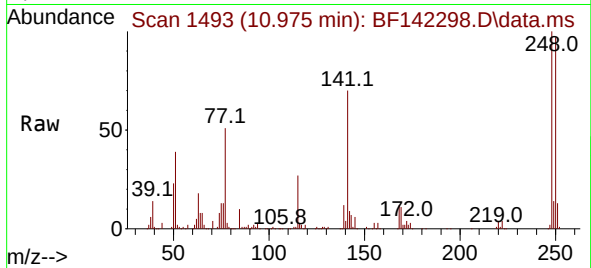




#67
4-Bromophenyl-phenylether
Concen: 20.459 ng
RT: 10.975 min Scan# 1493
Delta R.T. 0.000 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

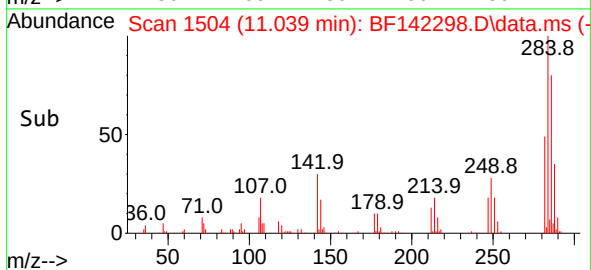
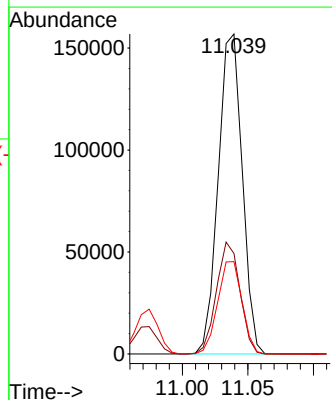
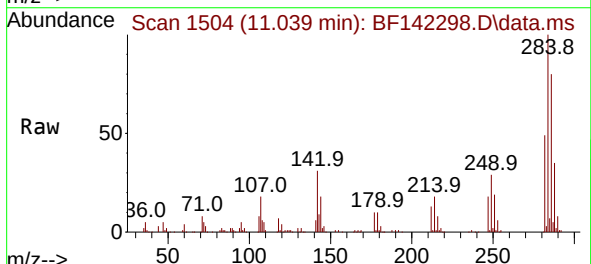
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

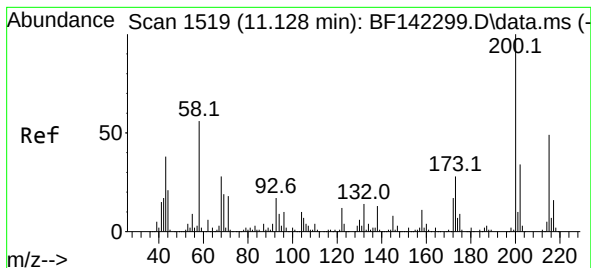
Tgt Ion:248 Resp: 182781
Ion Ratio Lower Upper
248 100
250 97.3 77.9 116.9
141 70.5 59.8 89.8



#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# 1518

Delta R.T. -0.006 min

Lab File: BF142298.D

Acq: 05 May 2025 15:21

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

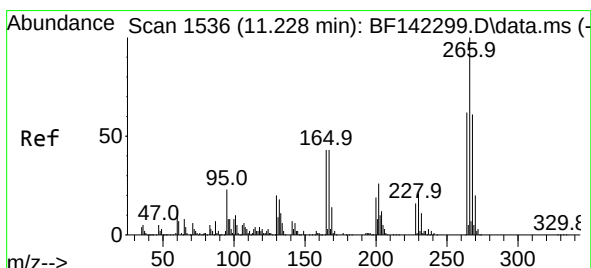
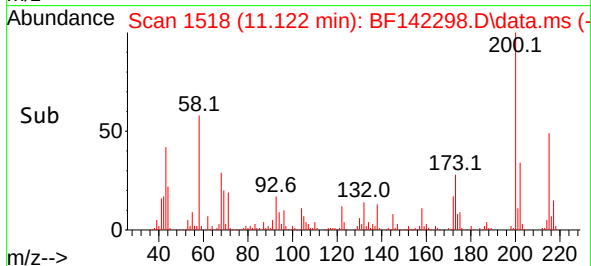
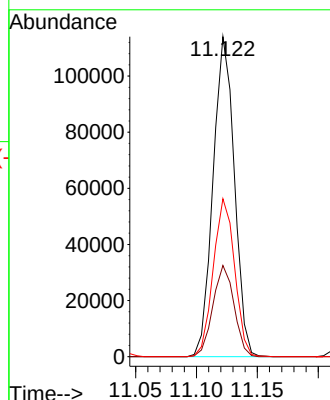
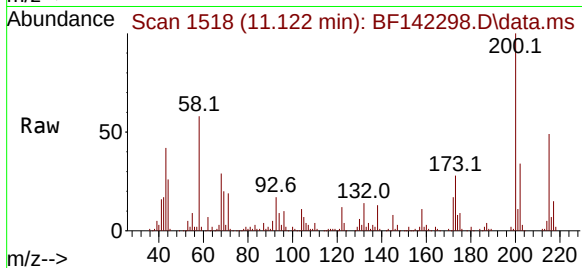
Tgt Ion:200 Resp: 138860

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

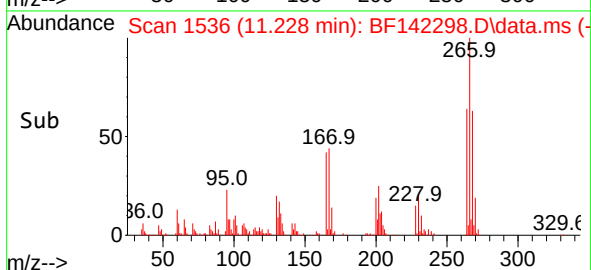
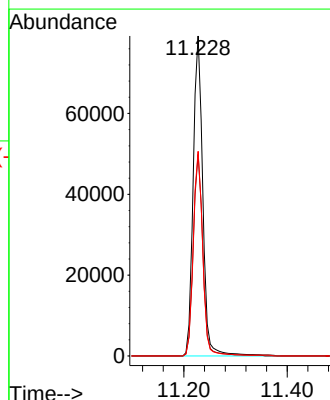
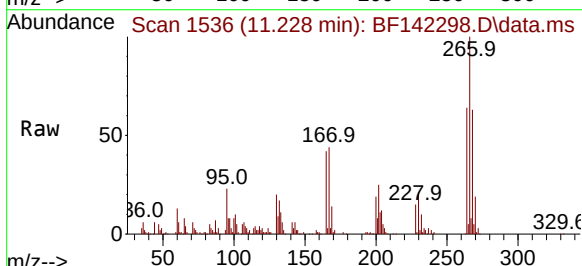
Tgt Ion:266 Resp: 102593

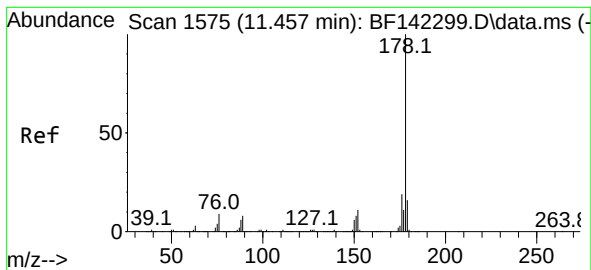
Ion Ratio Lower Upper

266 100

268 63.0 48.7 73.1

264 63.9 49.8 74.6

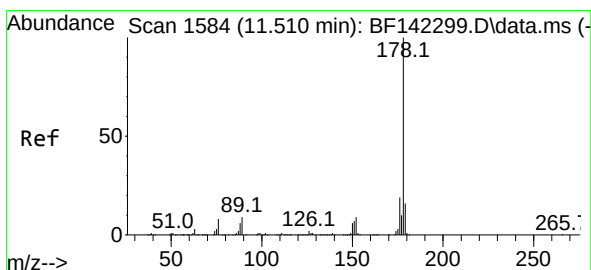
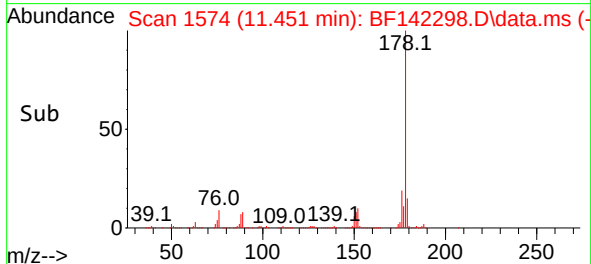
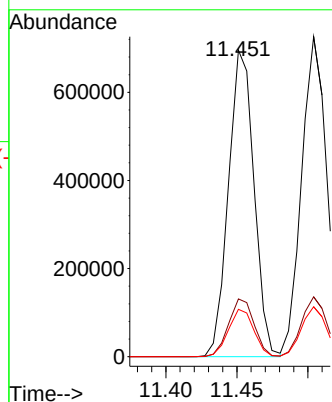
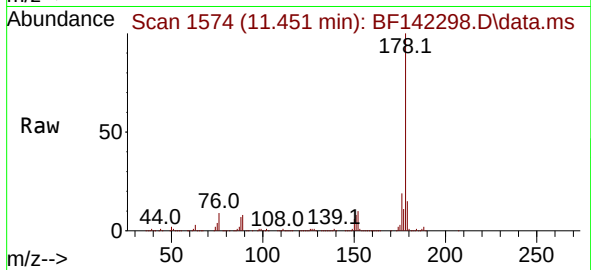




#71
Phenanthrene
Concen: 21.083 ng
RT: 11.451 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

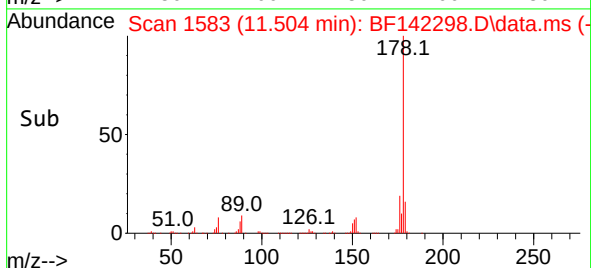
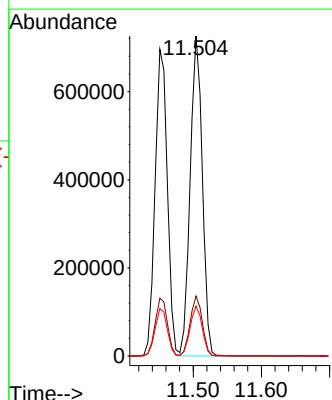
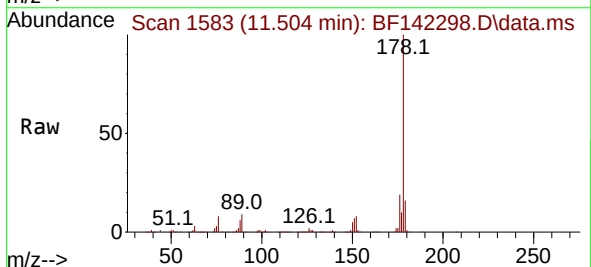
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

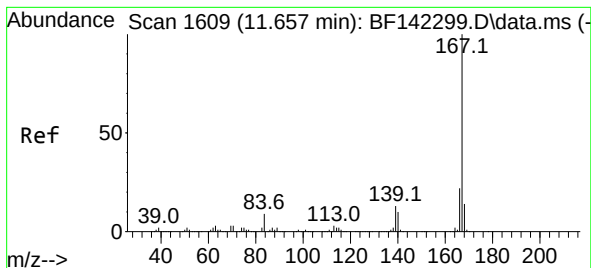
Tgt Ion:178 Resp: 871138
Ion Ratio Lower Upper
178 100
176 18.8 15.5 23.3
179 15.5 12.6 18.8



#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

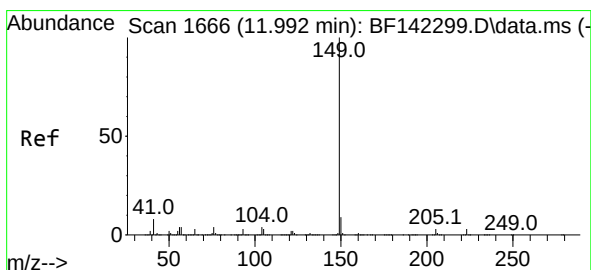
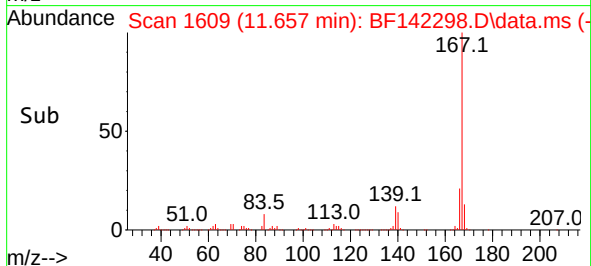
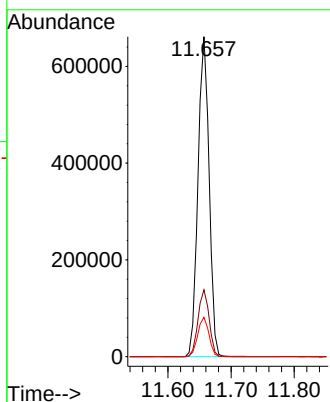
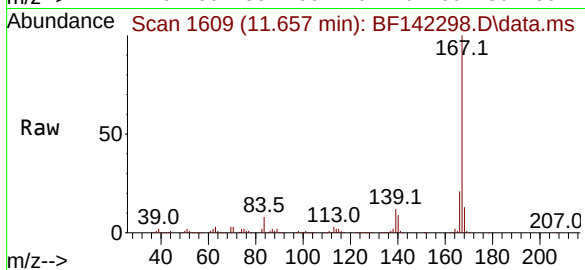
Tgt Ion:167 Resp: 807082

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

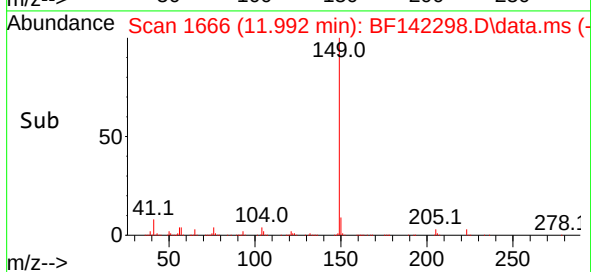
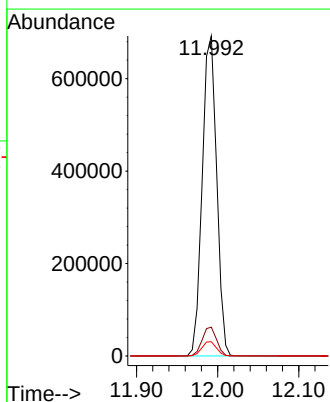
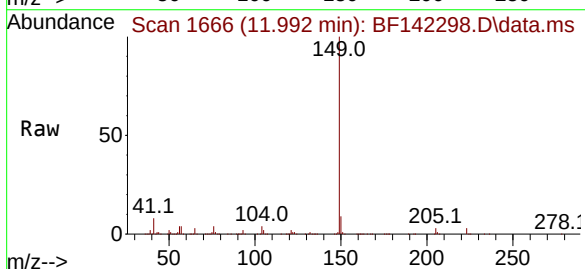
Tgt Ion:149 Resp: 852839

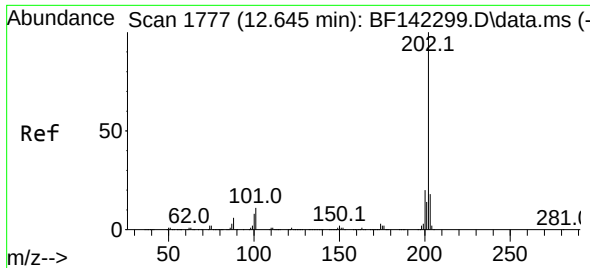
Ion Ratio Lower Upper

149 100

150 9.0 7.5 11.3

104 4.4 3.6 5.4

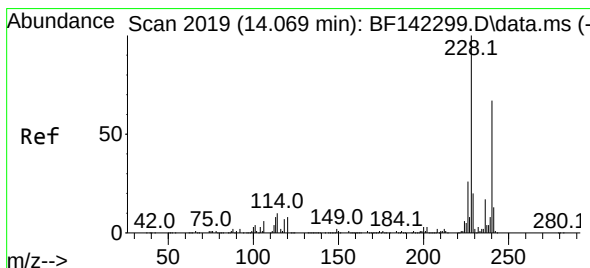
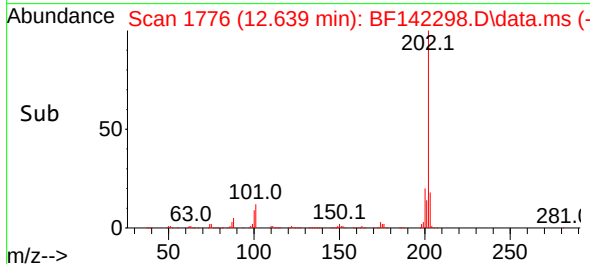
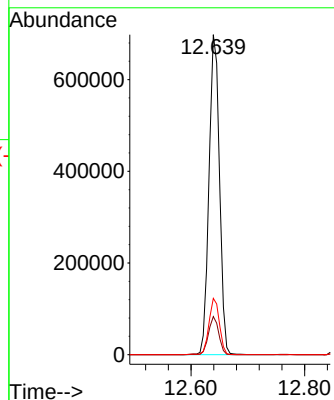
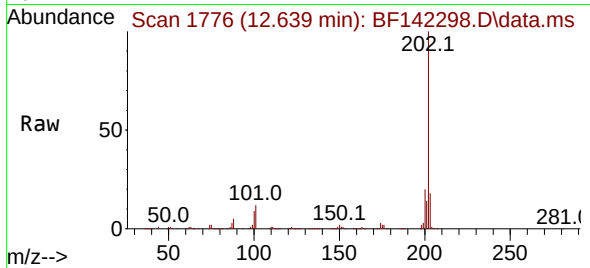




#75
Fluoranthene
Concen: 21.523 ng
RT: 12.639 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

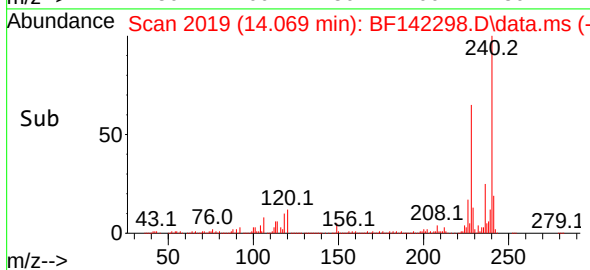
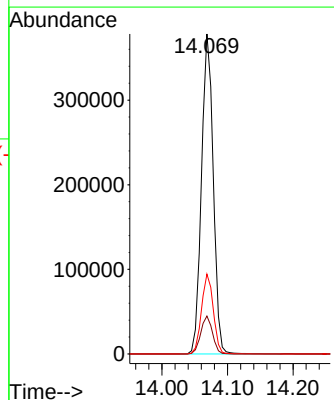
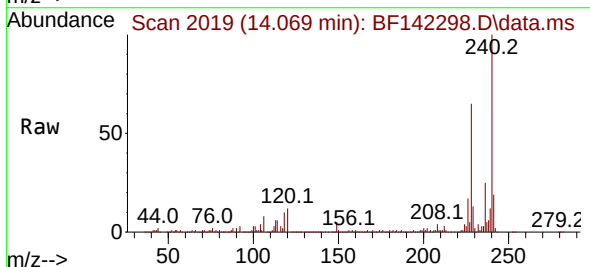
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

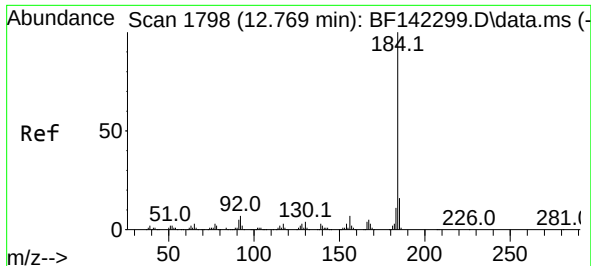
Tgt Ion:202 Resp: 888973
Ion Ratio Lower Upper
202 100
101 11.9 0.0 31.4
203 17.6 0.0 37.9



#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

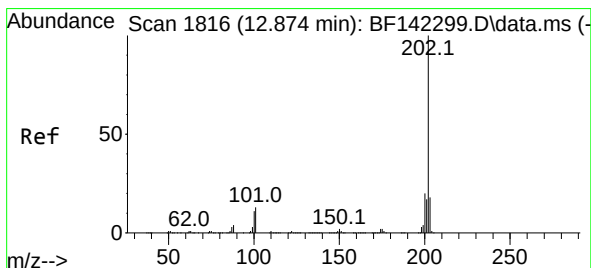
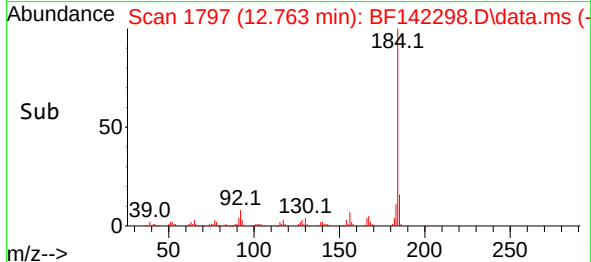
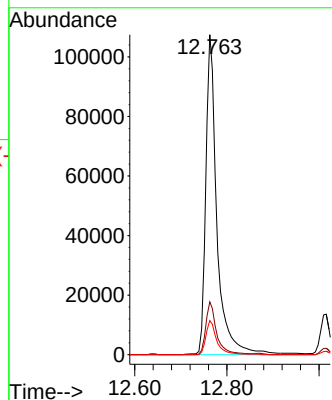
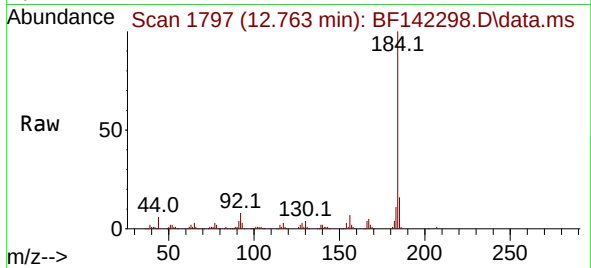




#77
Benzidine
Concen: 21.110 ng
RT: 12.763 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

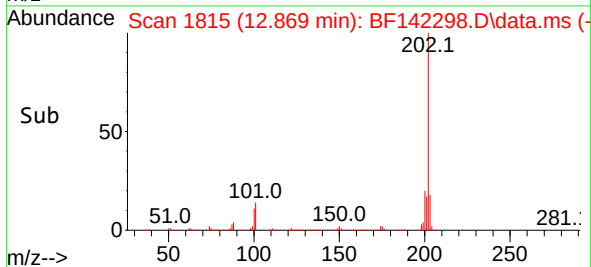
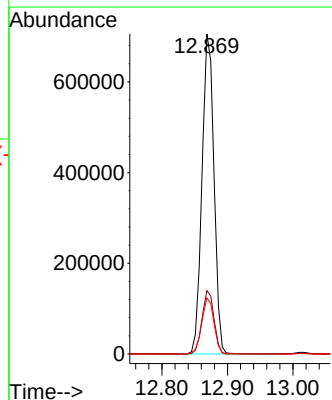
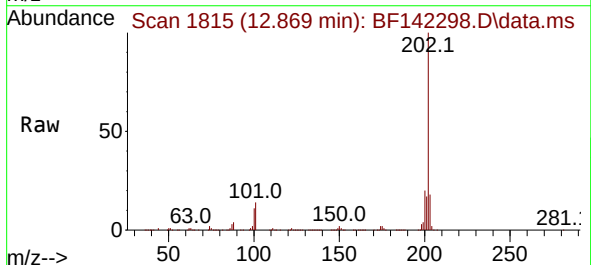
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

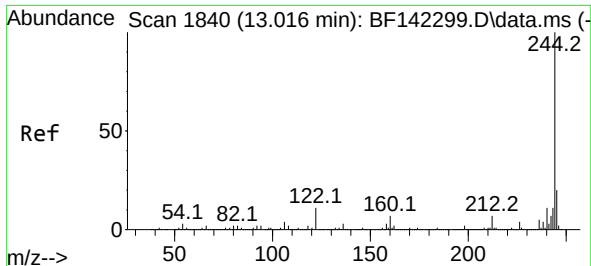
Tgt Ion:184 Resp: 181563
Ion Ratio Lower Upper
184 100
185 16.5 12.6 18.8
183 10.7 8.6 12.8



#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

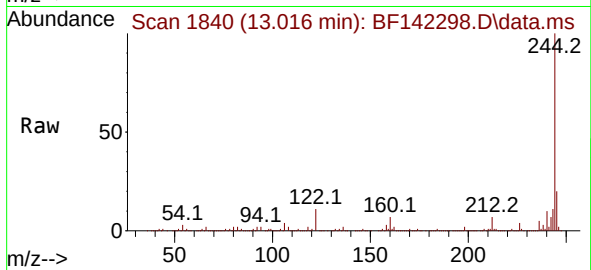
Tgt Ion:202 Resp: 900375
Ion Ratio Lower Upper
202 100
200 19.8 16.2 24.4
203 17.5 14.3 21.5



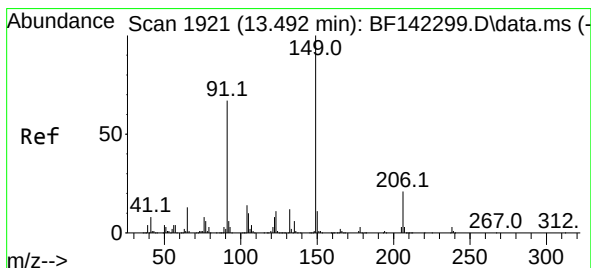
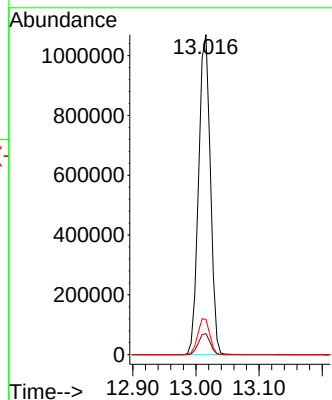
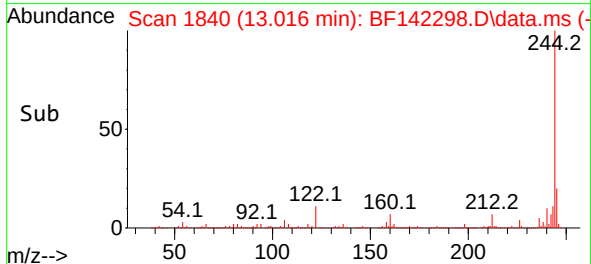


#79
 Terphenyl-d14
 Concen: 43.222 ng
 RT: 13.016 min Scan# 1840
 Delta R.T. -0.000 min
 Lab File: BF142298.D
 Acq: 05 May 2025 15:21

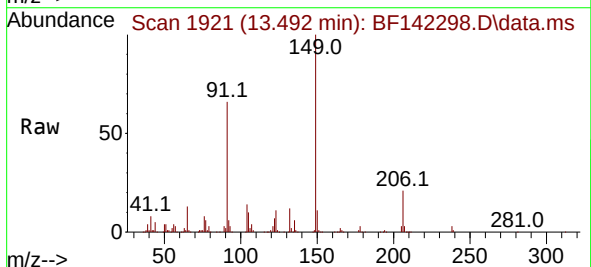
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC020



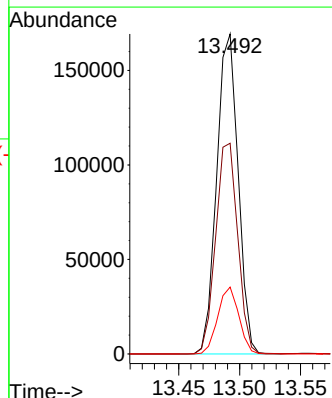
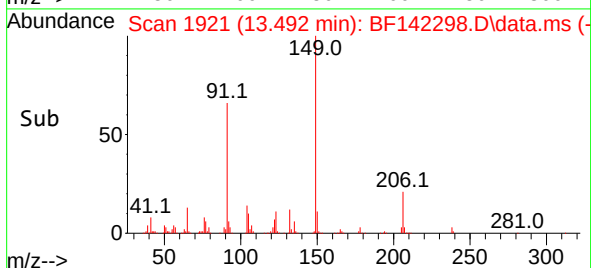
Tgt Ion:244 Resp: 1382069
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.2
 122 11.0 9.0 13.4

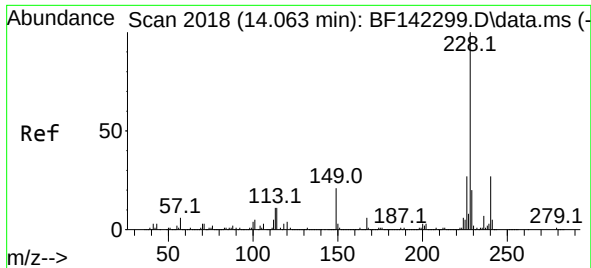


#80
 Butylbenzylphthalate
 Concen: 19.258 ng
 RT: 13.492 min Scan# 1921
 Delta R.T. 0.000 min
 Lab File: BF142298.D
 Acq: 05 May 2025 15:21



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

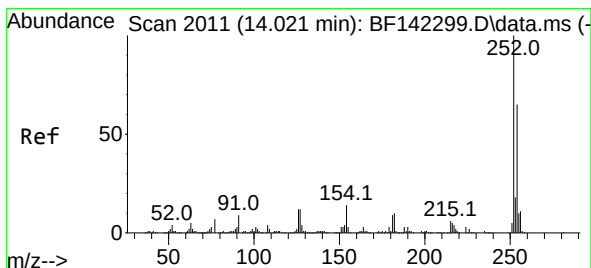
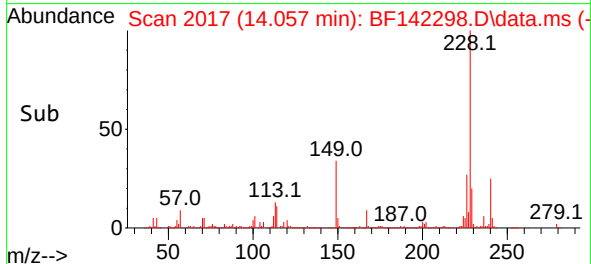
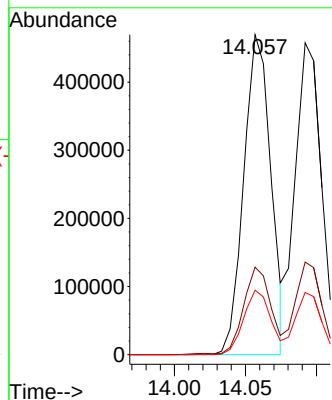
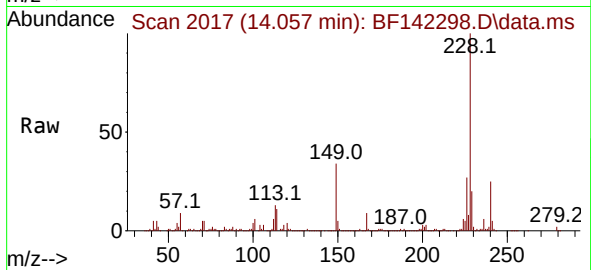




#81
Benzo(a)anthracene
Concen: 20.336 ng
RT: 14.057 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

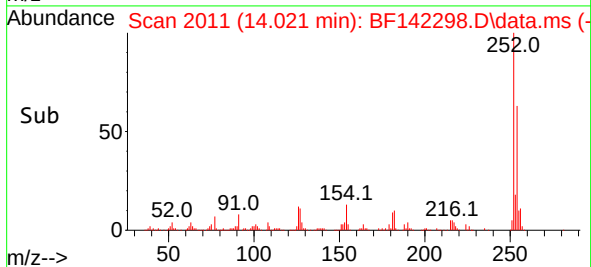
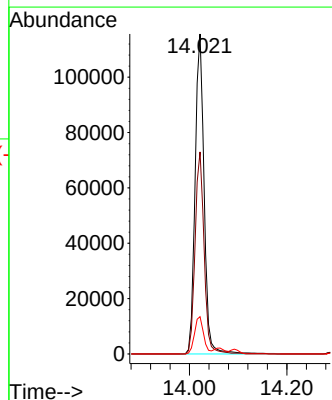
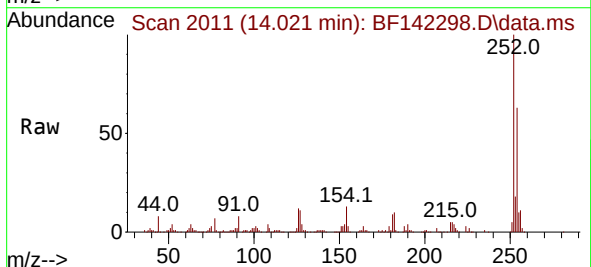
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

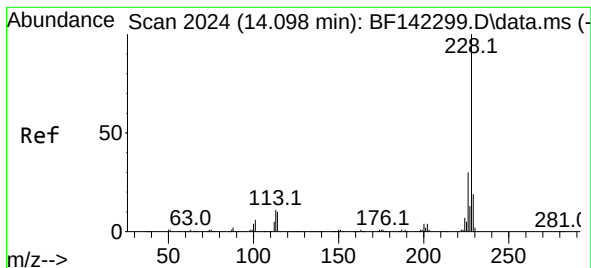
Tgt Ion:228 Resp: 623286
Ion Ratio Lower Upper
228 100
226 27.3 21.5 32.3
229 20.2 15.9 23.9



#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# 20

Delta R.T. -0.006 min

Lab File: BF142298.D

Acq: 05 May 2025 15:21

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

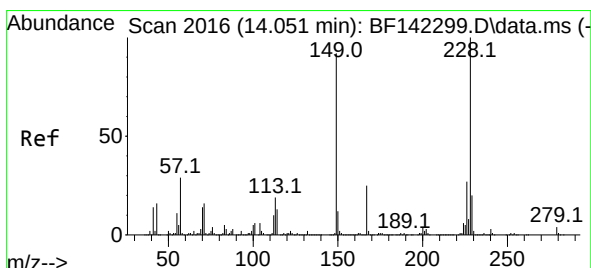
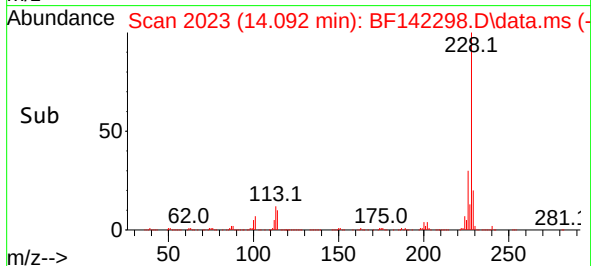
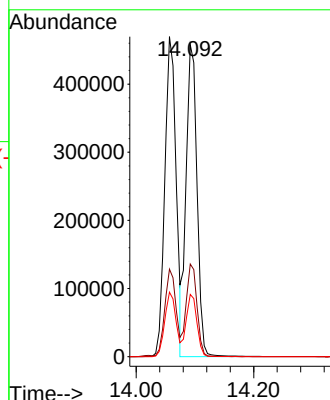
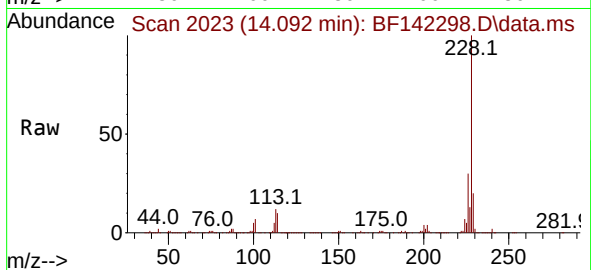
Tgt Ion:228 Resp: 589961

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

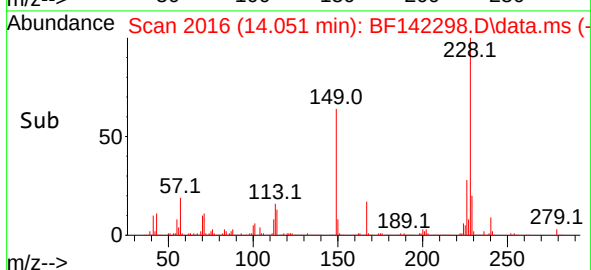
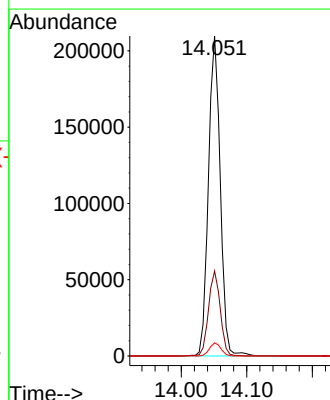
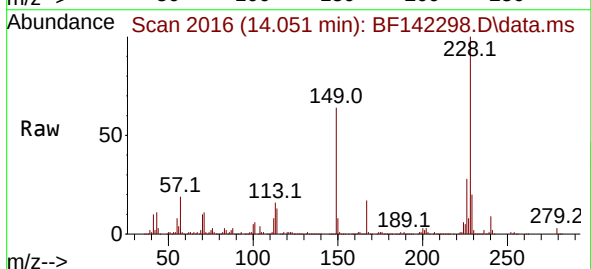
Tgt Ion:149 Resp: 263391

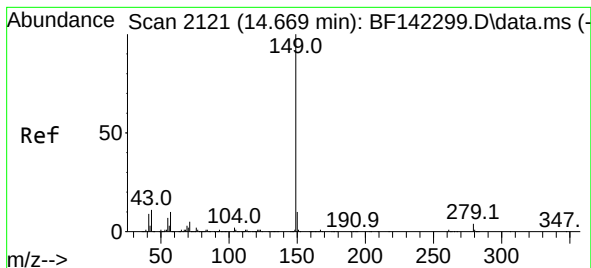
Ion Ratio Lower Upper

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

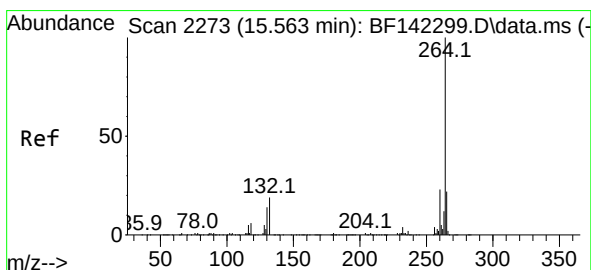
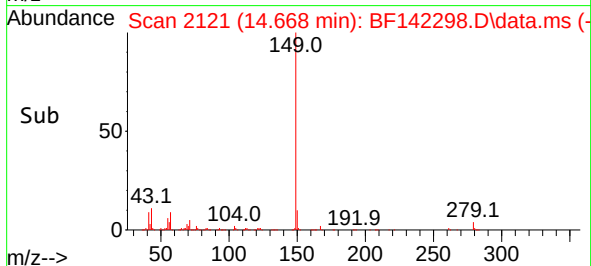
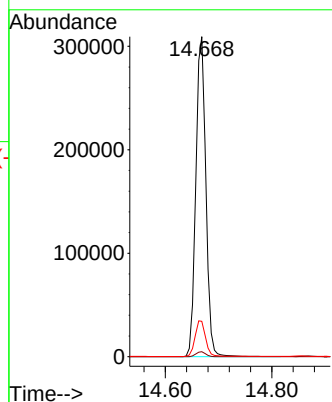
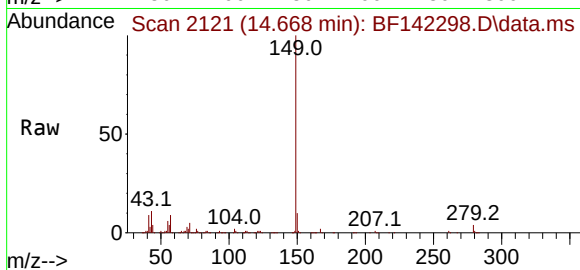
Tgt Ion:149 Resp: 405073

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

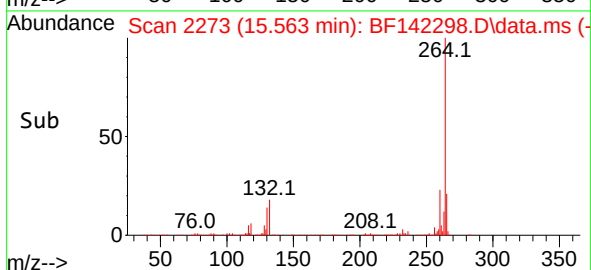
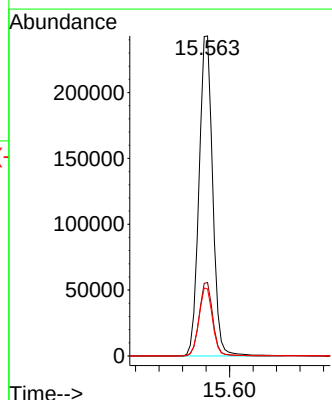
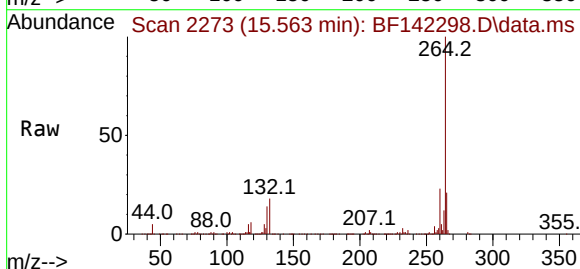
Tgt Ion:264 Resp: 392077

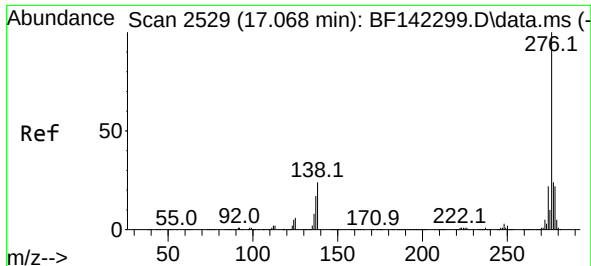
Ion Ratio Lower Upper

264 100

260 23.0 18.6 27.8

265 21.0 17.5 26.3

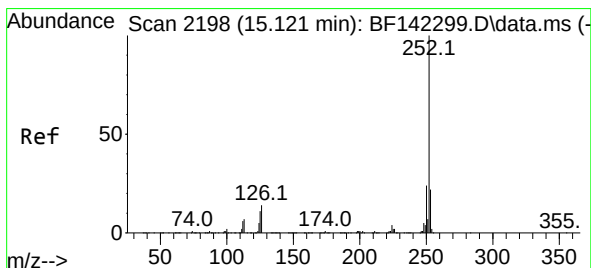
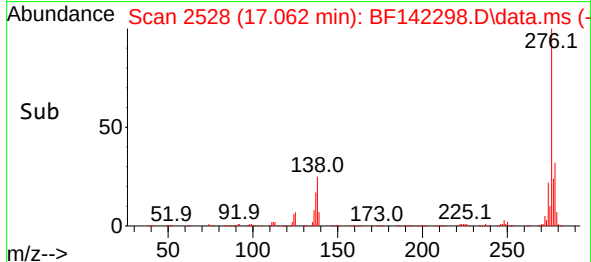
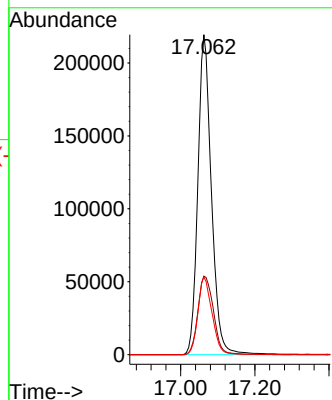
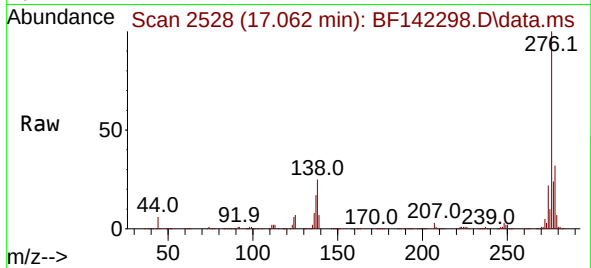




#87
Indeno(1,2,3-cd)pyrene
Concen: 20.421 ng
RT: 17.062 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF142298.D
Acq: 05 May 2025 15:21

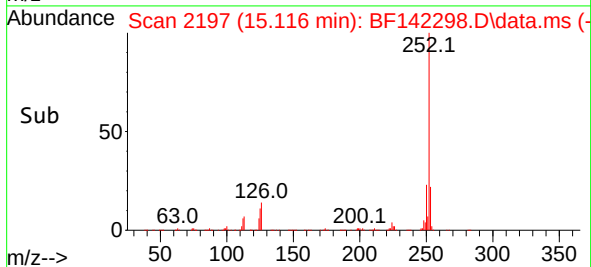
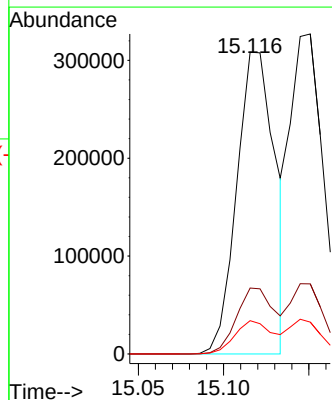
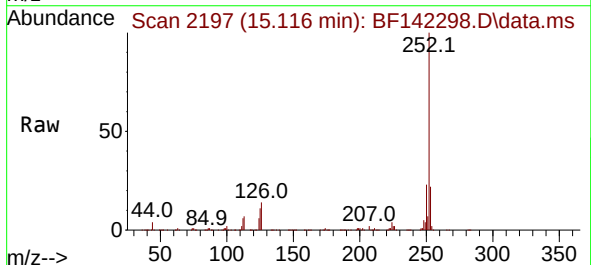
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

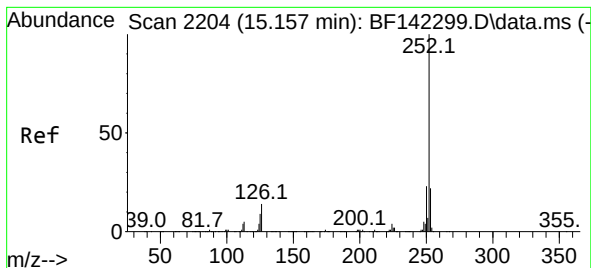
Tgt Ion:276 Resp: 556960
Ion Ratio Lower Upper
276 100
138 28.3 22.0 33.0
277 25.2 20.1 30.1



#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# 21

Delta R.T. -0.006 min

Lab File: BF142298.D

Acq: 05 May 2025 15:21

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

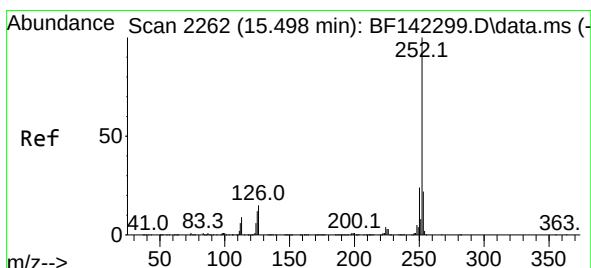
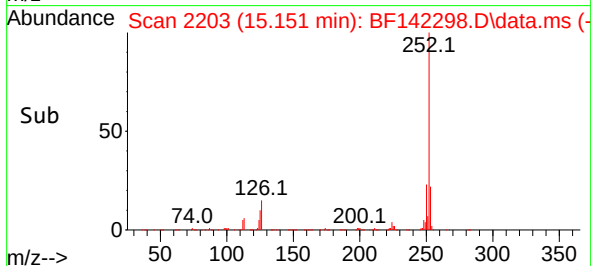
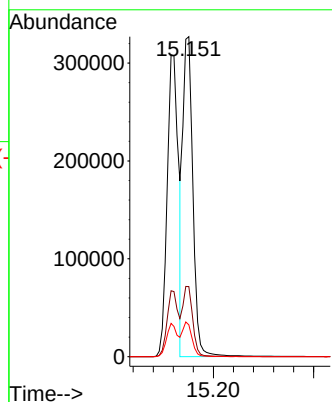
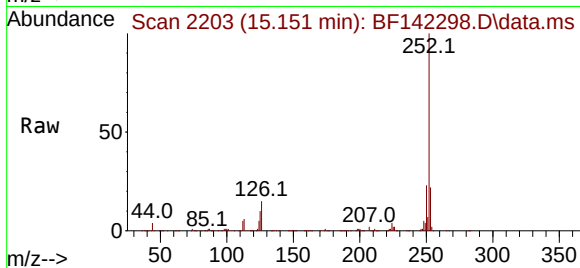
Tgt Ion:252 Resp: 456264

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

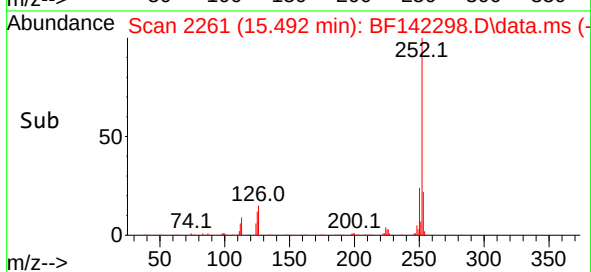
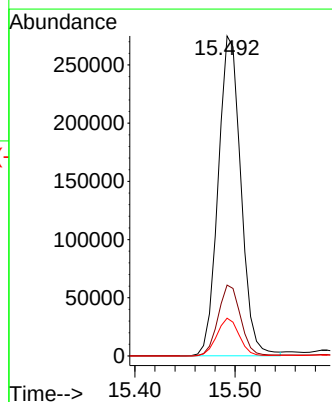
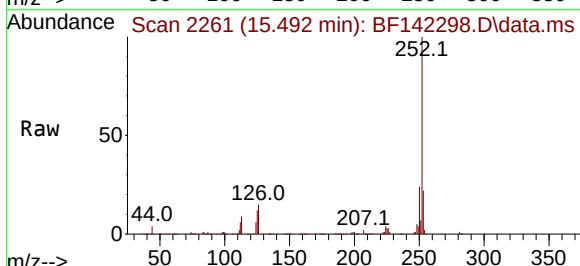
Tgt Ion:252 Resp: 432151

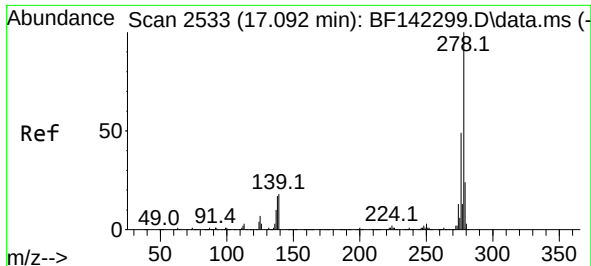
Ion Ratio Lower Upper

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# 21

Delta R.T. -0.006 min

Lab File: BF142298.D

Acq: 05 May 2025 15:21

Instrument :

BNA_F

ClientSampleId :

SSTDICC020

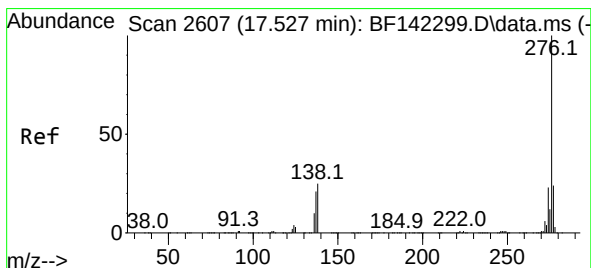
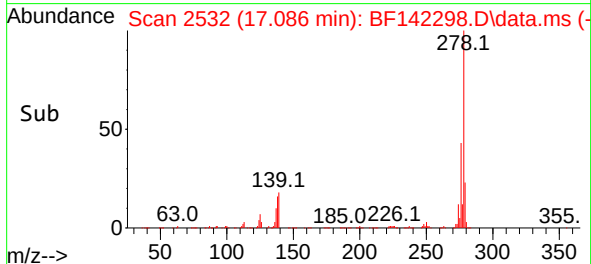
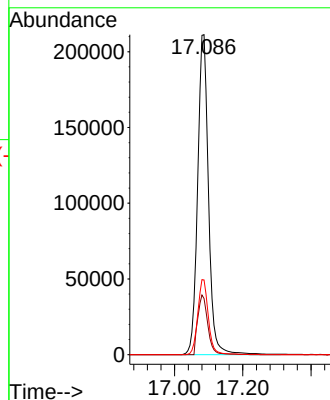
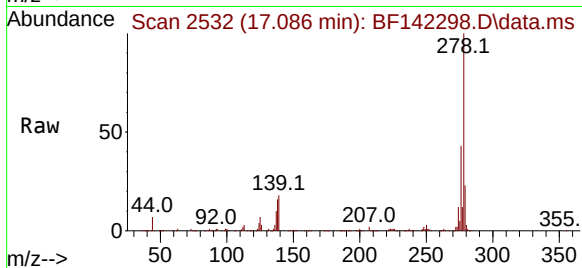
Tgt Ion:278 Resp: 468301

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

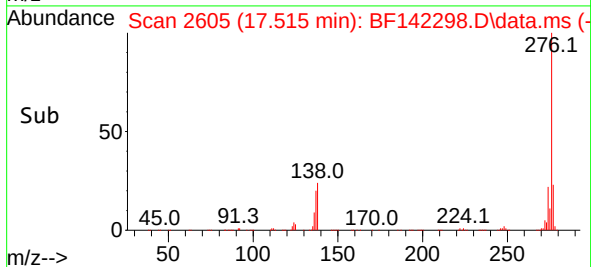
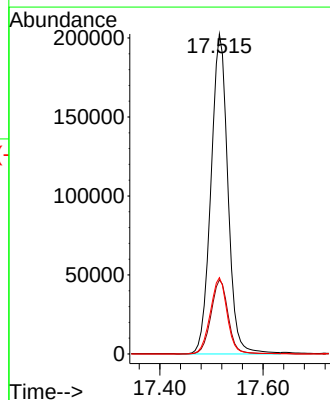
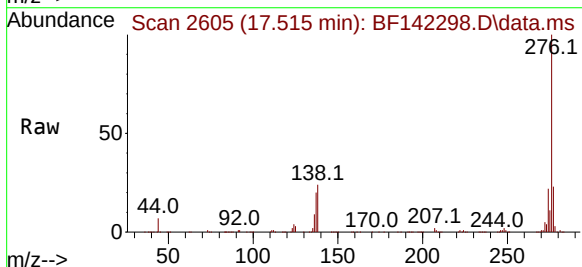
Tgt Ion:276 Resp: 460655

Ion Ratio Lower Upper

276 100

277 23.2 19.0 28.6

138 23.9 19.8 29.6



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

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

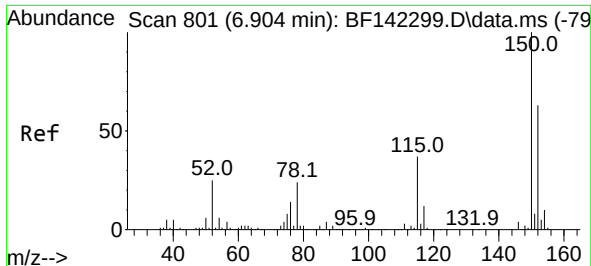
Quant Time: May 05 17:59:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 05 17:44:56 2025
 Response via : Initial Calibration

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

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

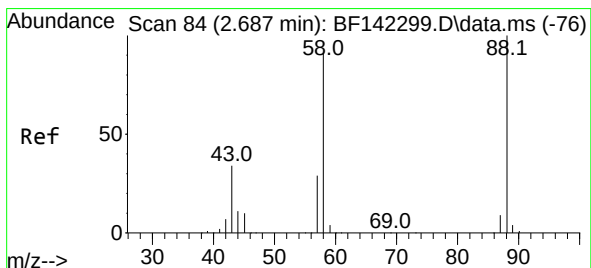
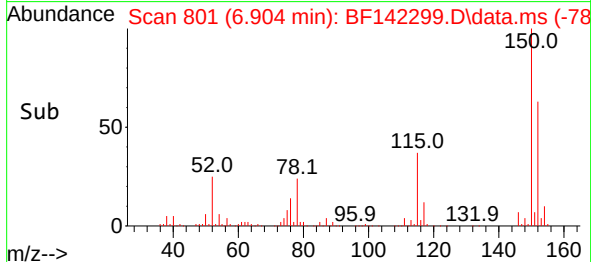
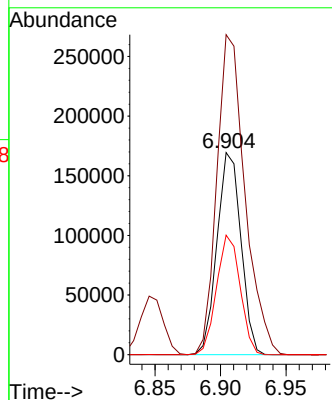
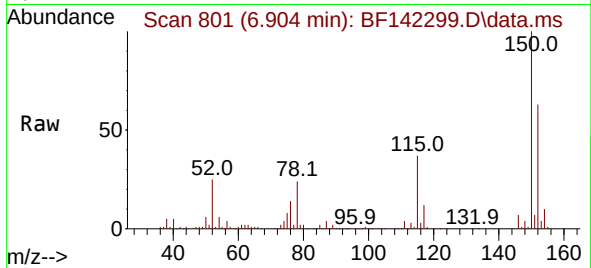




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.904 min Scan# 801
 Delta R.T. 0.000 min
 Lab File: BF142299.D
 Acq: 05 May 2025 15:50

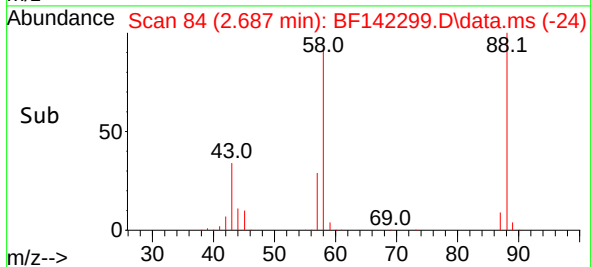
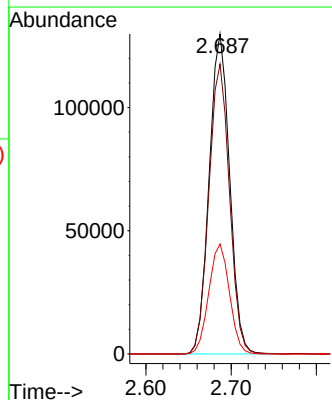
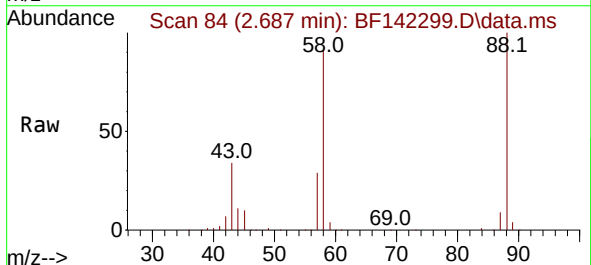
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

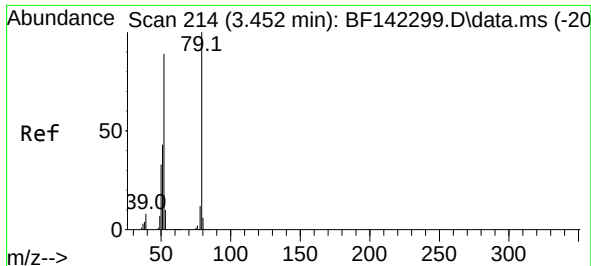
Tgt Ion:152 Resp: 215157
 Ion Ratio Lower Upper
 152 100
 150 158.3 126.6 190.0
 115 59.1 47.3 70.9



#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

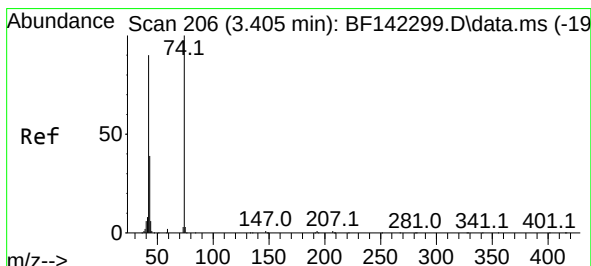
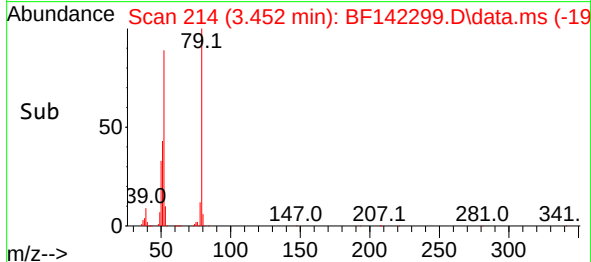
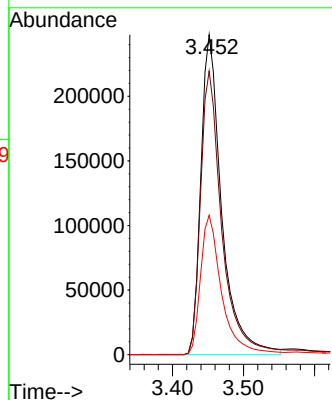
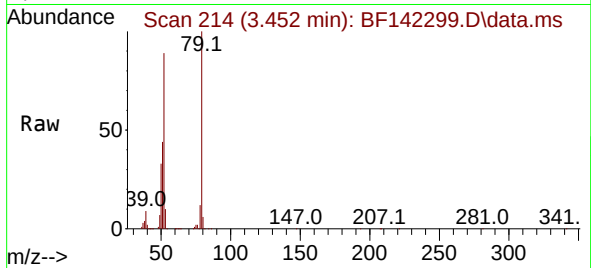




#3
Pyridine
Concen: 37.907 ng
RT: 3.452 min Scan# 214
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

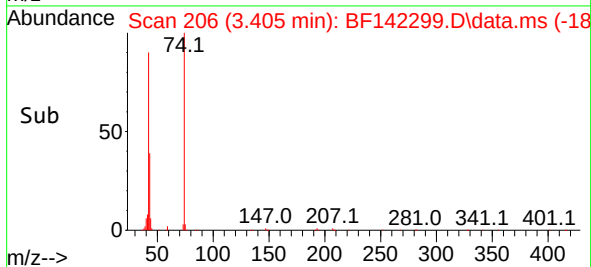
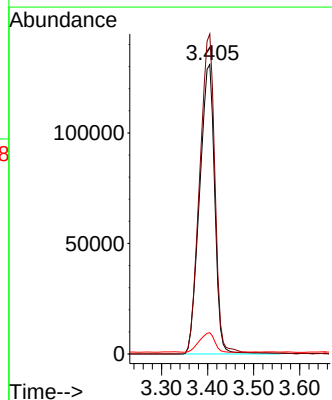
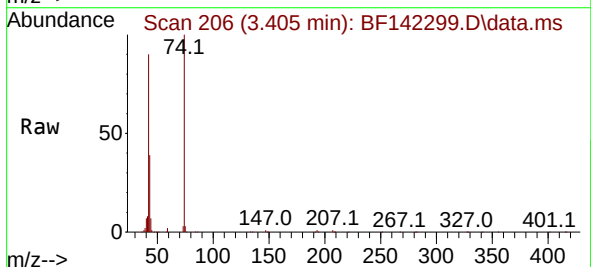
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

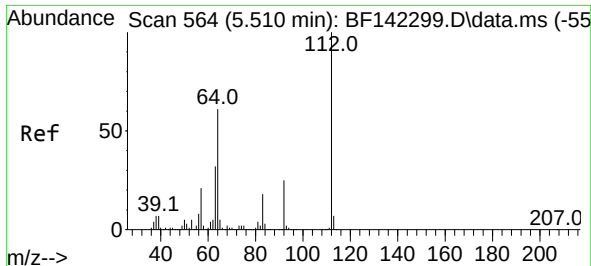
Tgt Ion: 79 Resp: 505899
Ion Ratio Lower Upper
79 100
52 88.7 71.0 106.4
51 43.6 34.9 52.3



#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

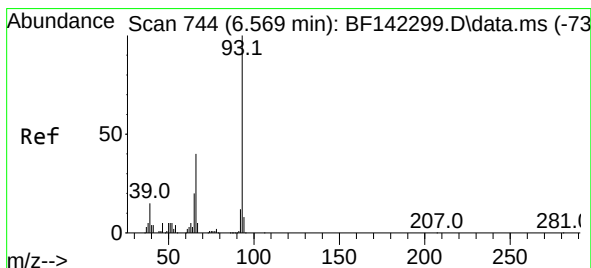
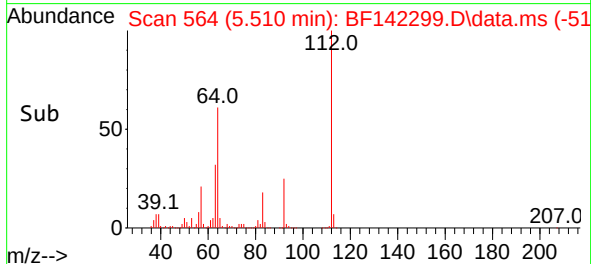
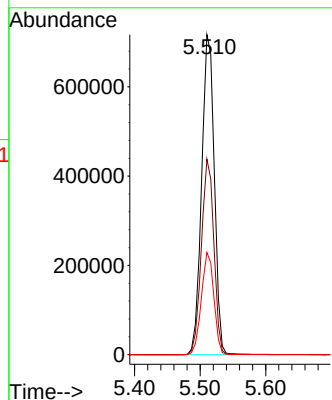
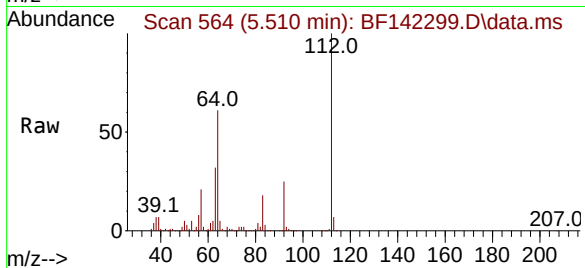




#5
2-Fluorophenol
Concen: 76.859 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

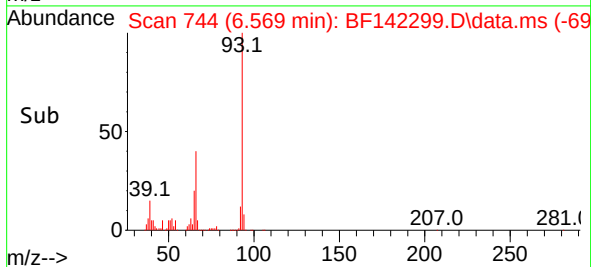
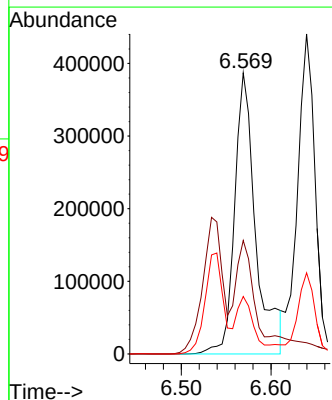
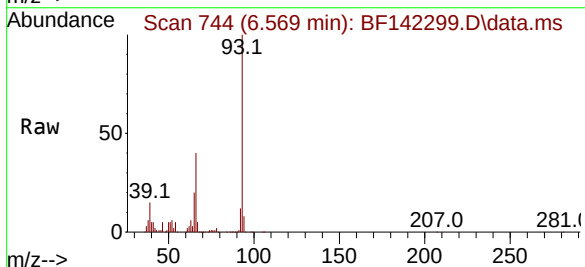
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

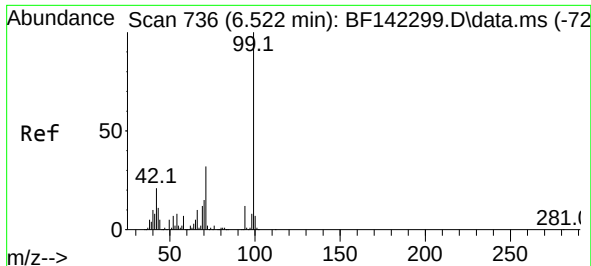
Tgt Ion:112 Resp: 968719
Ion Ratio Lower Upper
112 100
64 61.1 48.9 73.3
63 32.0 25.6 38.4



#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



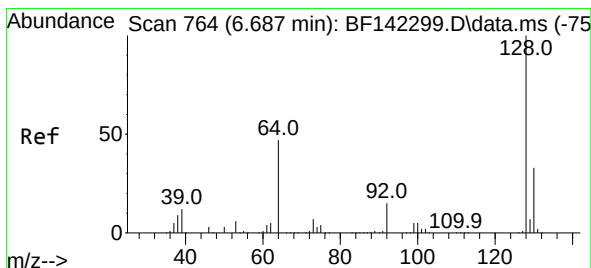
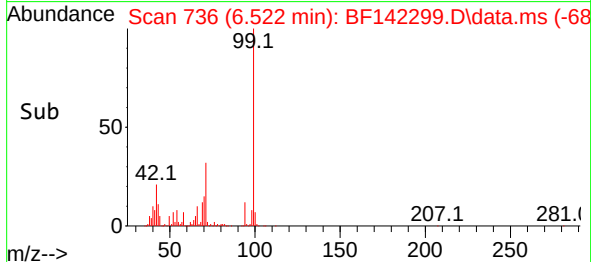
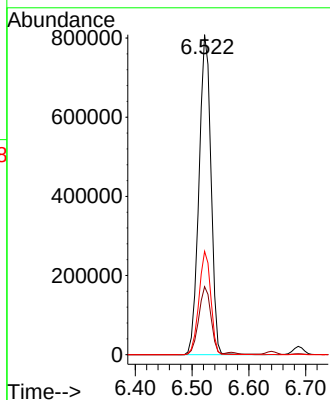
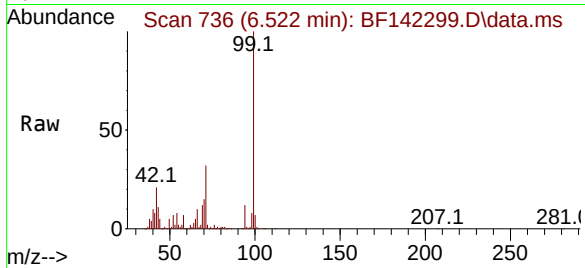


#7
Phenol-d6
Concen: 76.311 ng
RT: 6.522 min Scan# 711
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 99 Resp: 1182959

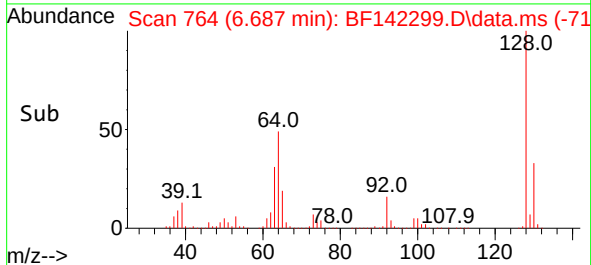
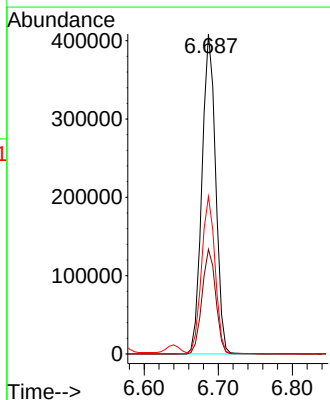
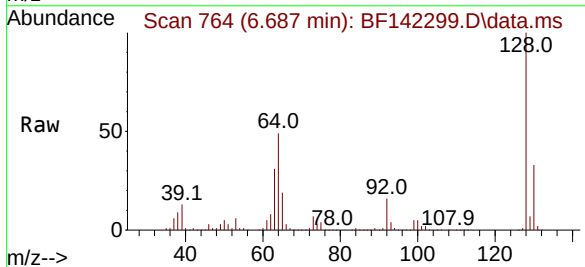
Ion	Ratio	Lower	Upper
99	100		
42	21.2	17.0	25.4
71	32.3	25.8	38.8

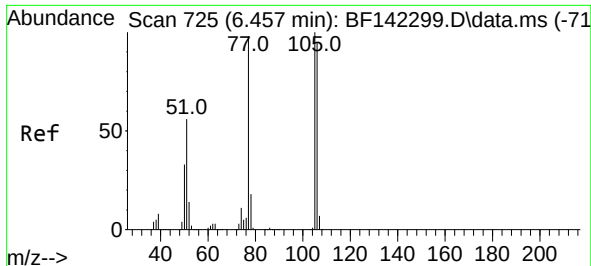


#8
2-Chlorophenol
Concen: 39.017 ng
RT: 6.687 min Scan# 764
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

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

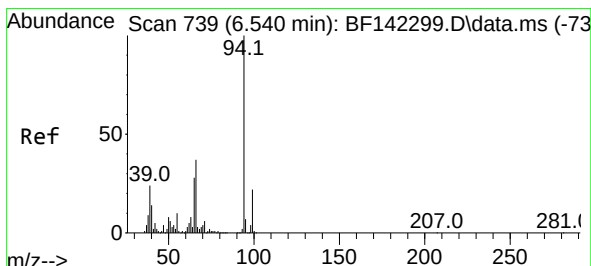
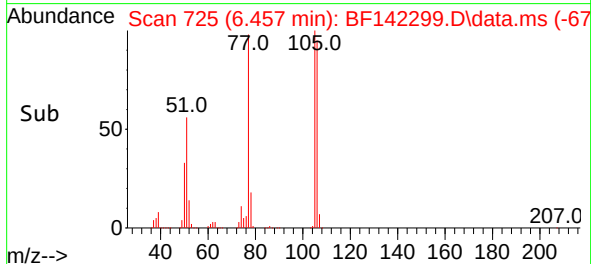
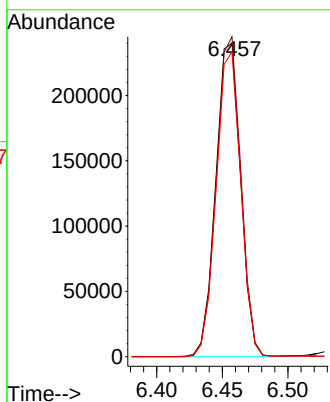
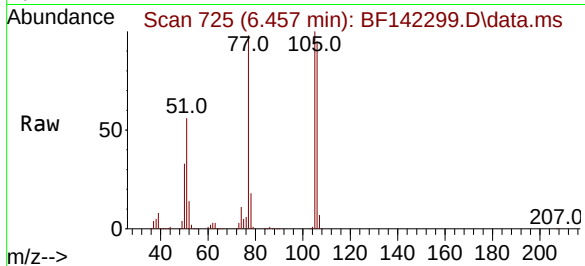




#9
Benzaldehyde
Concen: 34.827 ng
RT: 6.457 min Scan# 725
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

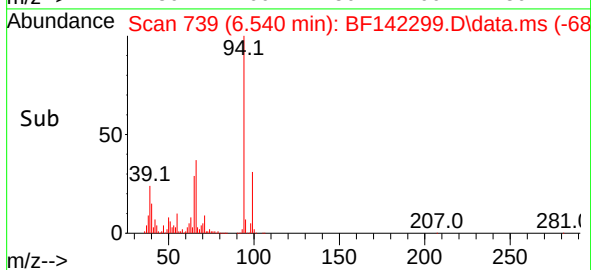
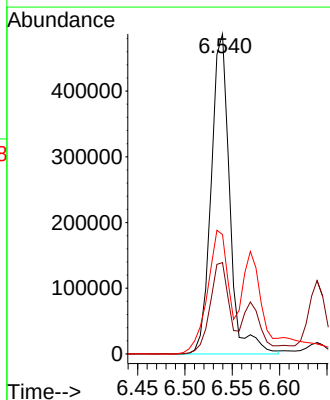
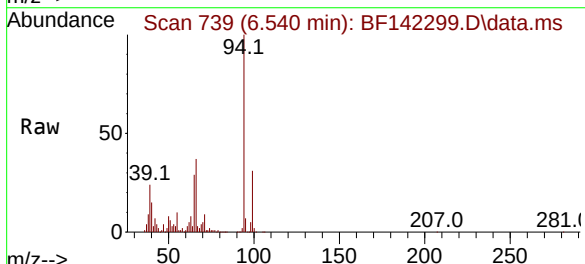
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

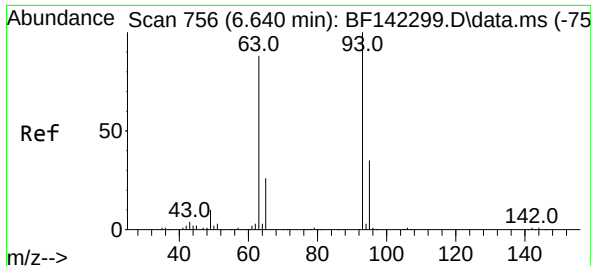
Tgt Ion: 77 Resp: 315981
Ion Ratio Lower Upper
77 100
105 102.0 82.0 122.0
106 97.2 77.2 117.2



#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

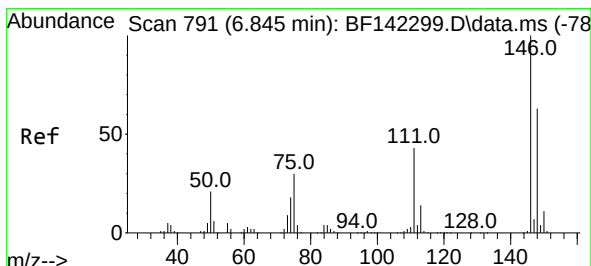
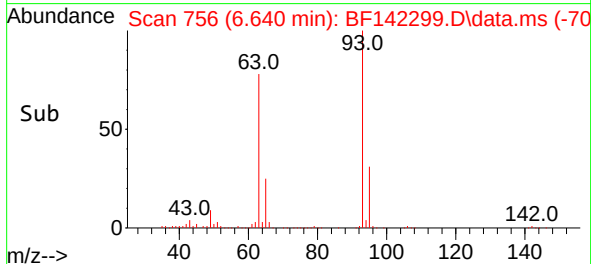
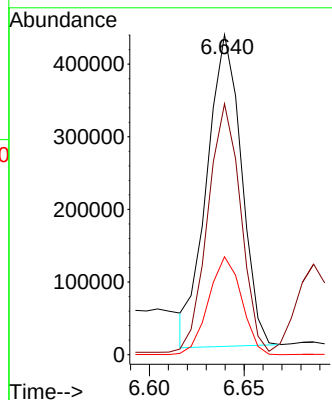
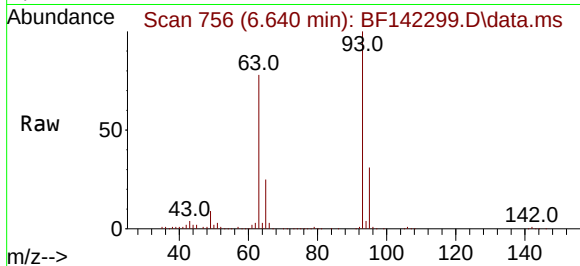




#11
bis(2-Chloroethyl)ether
Concen: 33.628 ng
RT: 6.640 min Scan# 756
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

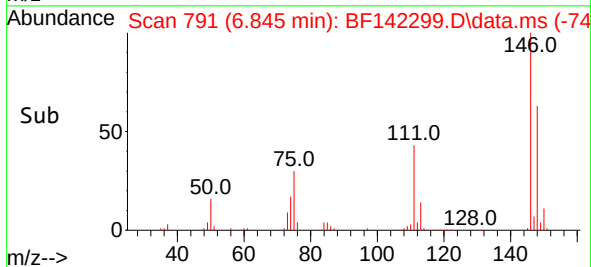
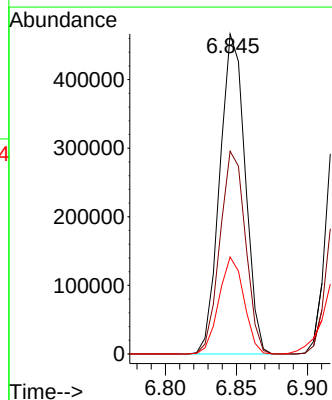
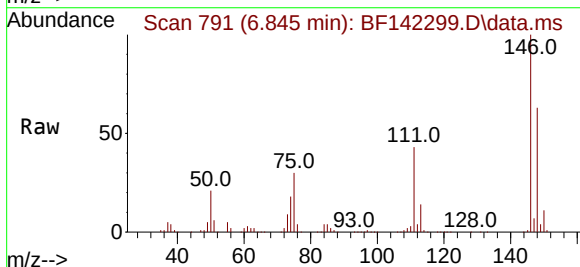
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

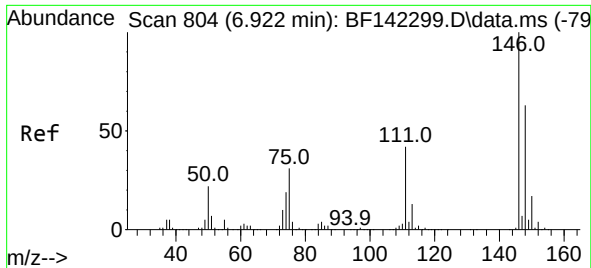
Tgt Ion: 93	Resp: 544911
Ion Ratio	Lower Upper
93 100	
63 78.4	58.4 98.4
95 30.6	10.6 50.6



#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

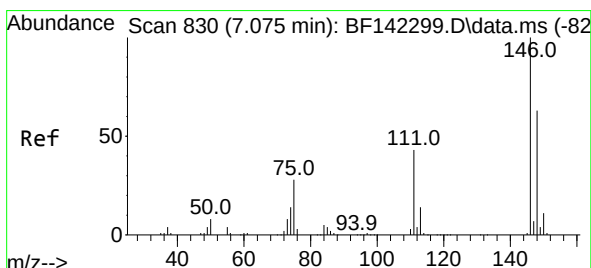
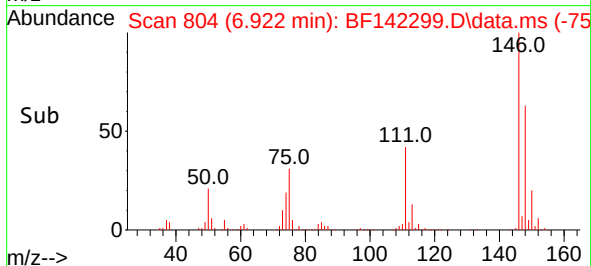
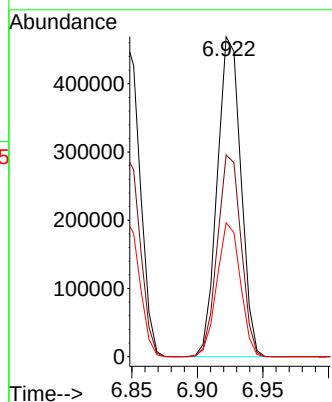
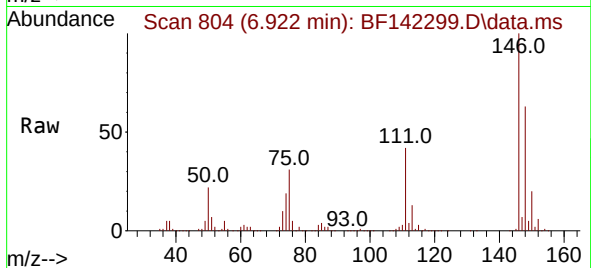




#13
1,4-Dichlorobenzene
Concen: 37.927 ng
RT: 6.922 min Scan# 804
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

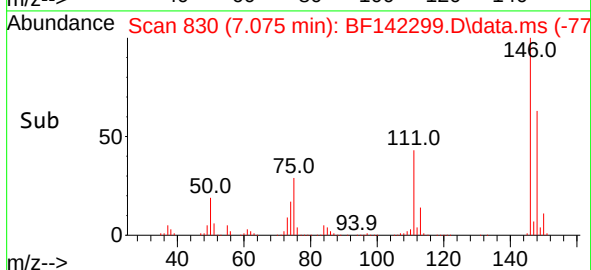
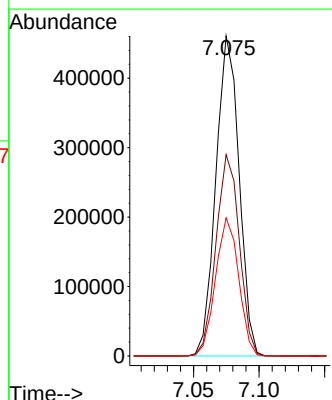
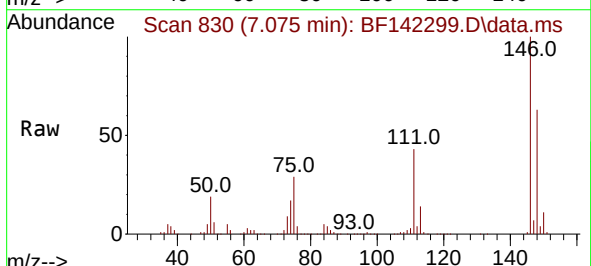
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

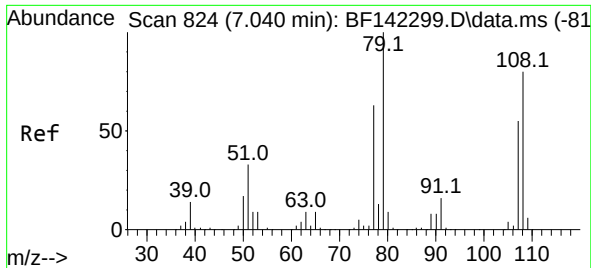
Tgt Ion:146 Resp: 586776
Ion Ratio Lower Upper
146 100
148 63.1 50.5 75.7
111 41.8 33.4 50.2



#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



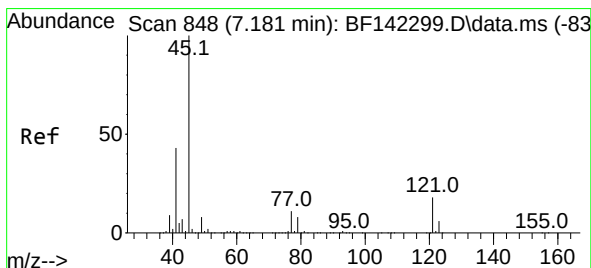
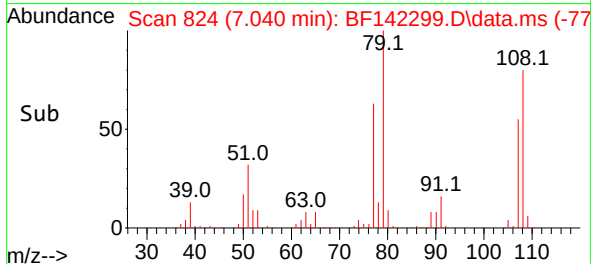
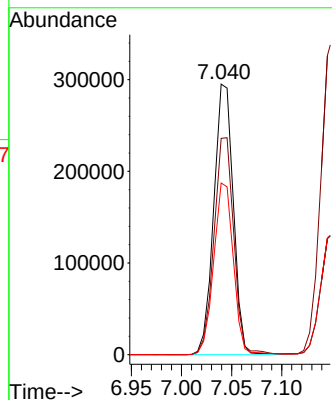
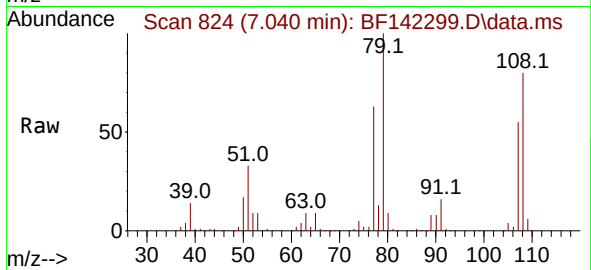


#15
Benzyl Alcohol
Concen: 39.803 ng
RT: 7.040 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 79 Resp: 399542

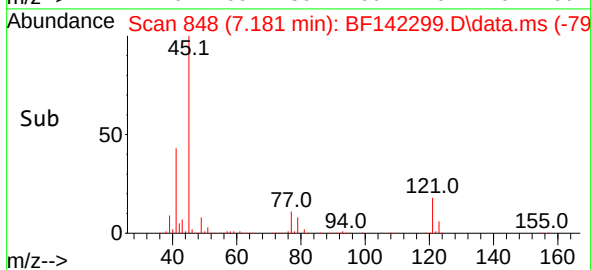
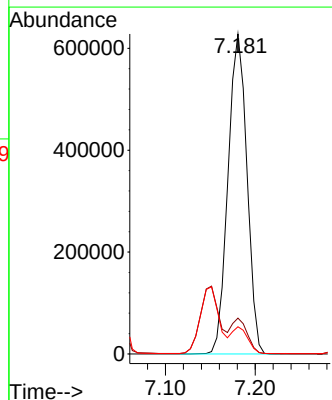
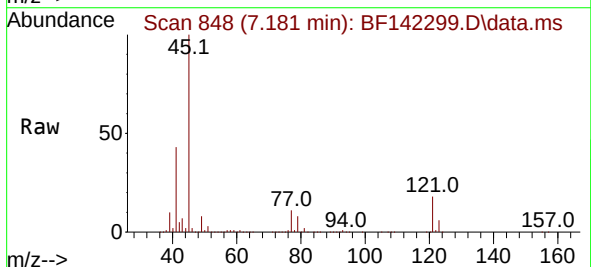
Ion	Ratio	Lower	Upper
79	100		
108	79.9	63.9	95.9
77	63.4	50.7	76.1

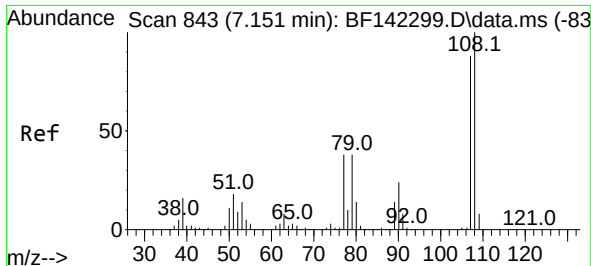


#16
2,2'-oxybis(1-chloropropane)
Concen: 37.969 ng
RT: 7.181 min Scan# 848
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

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

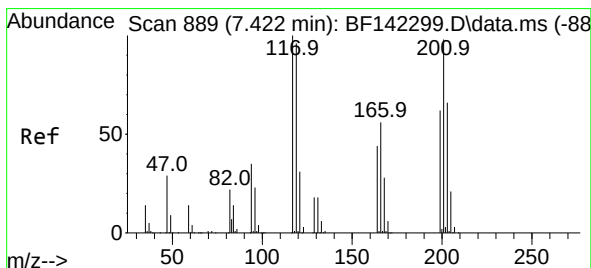
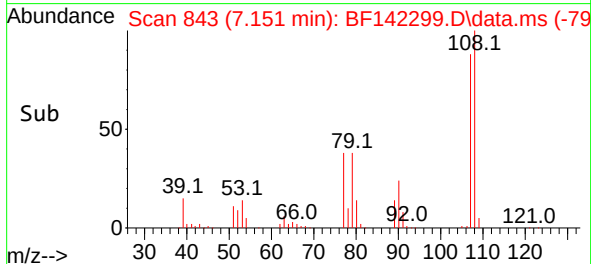
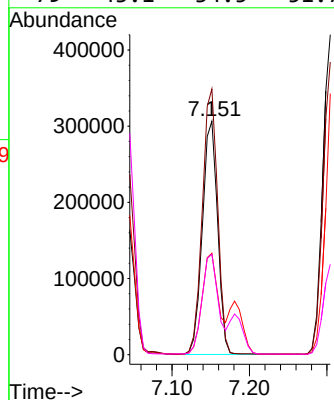
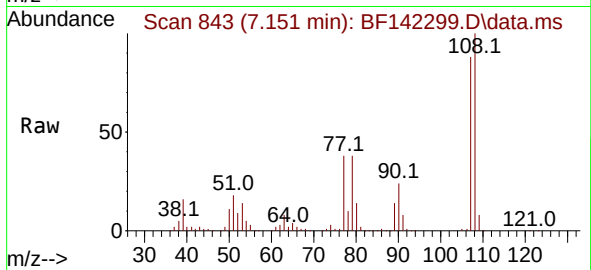




#17
2-Methylphenol
Concen: 38.341 ng
RT: 7.151 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

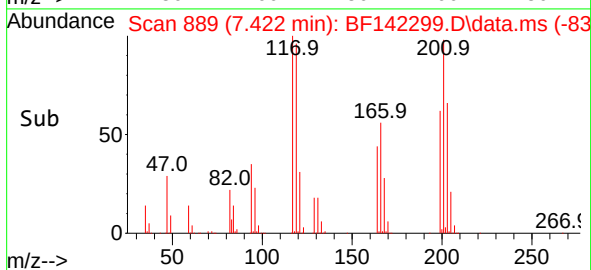
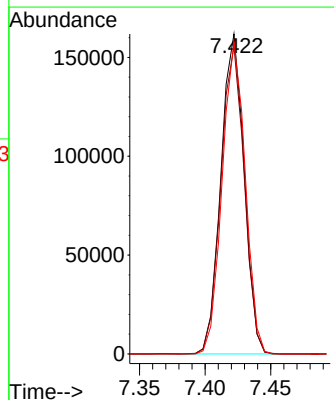
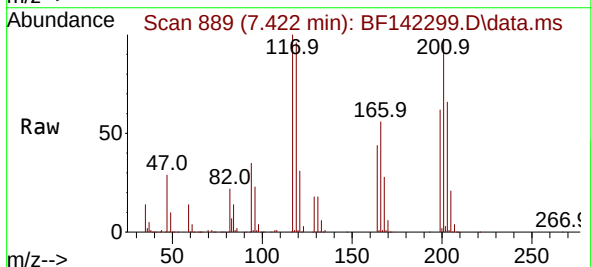
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

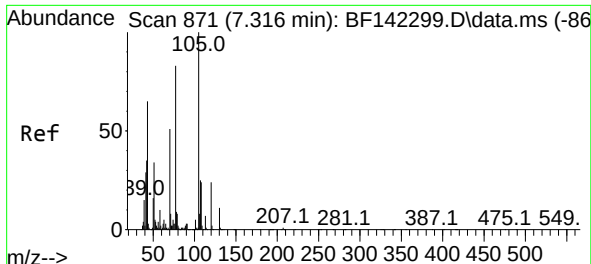
Tgt Ion:107 Resp: 418080
Ion Ratio Lower Upper
107 100
108 113.9 91.1 136.7
77 43.4 34.7 52.1
79 43.1 34.5 51.7



#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



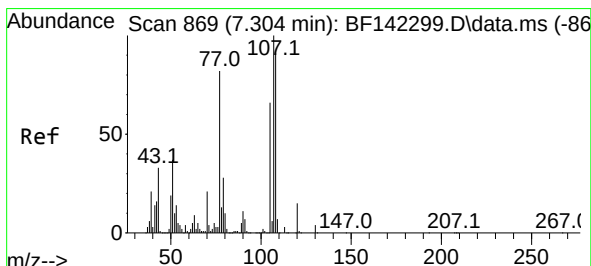
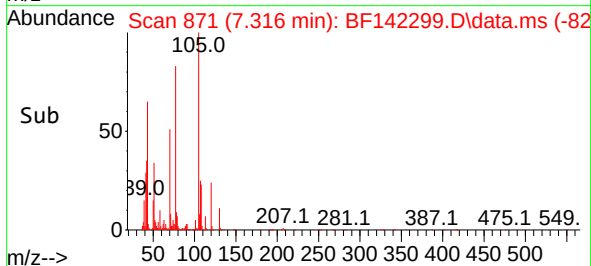
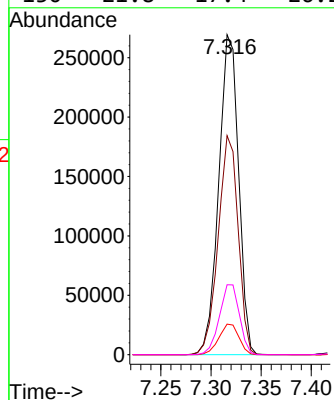
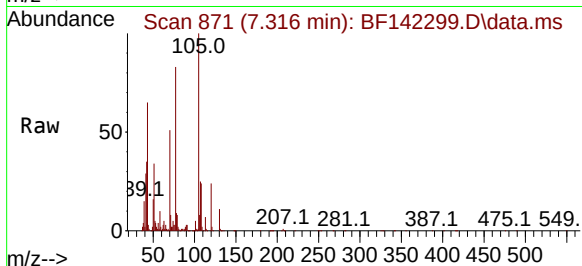


#19
n-Nitroso-di-n-propylamine
Concen: 38.588 ng
RT: 7.316 min Scan# 871
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 70 Resp: 370009

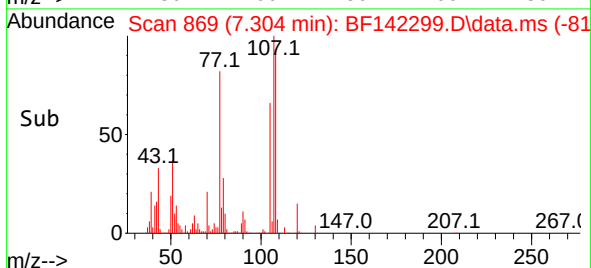
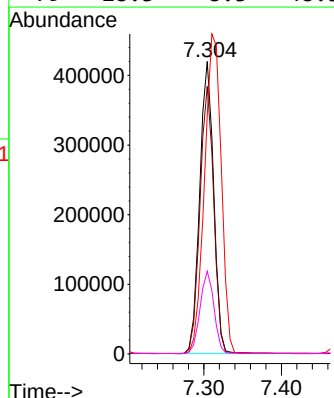
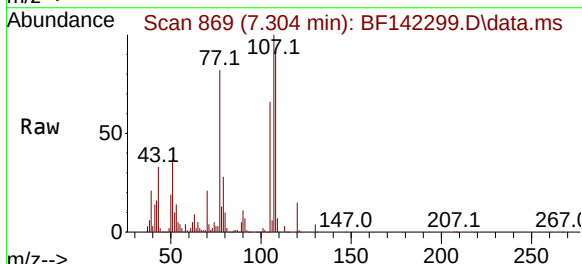
Ion	Ratio	Lower	Upper
70	100		
42	68.5	54.8	82.2
101	9.6	7.7	11.5
130	21.8	17.4	26.2

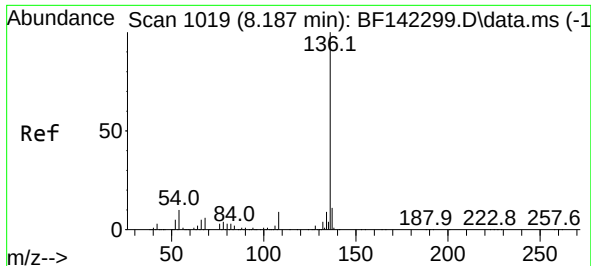


#20
3+4-Methylphenols
Concen: 38.517 ng
RT: 7.304 min Scan# 869
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

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

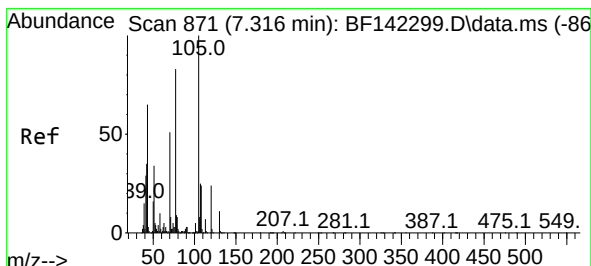
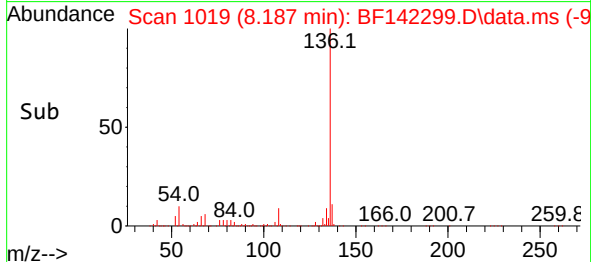
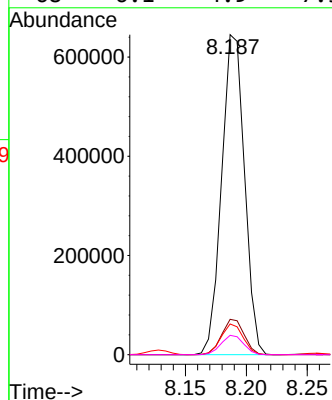
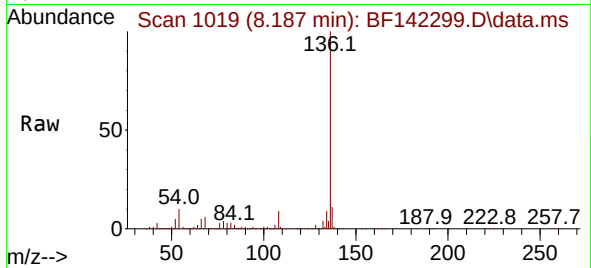




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

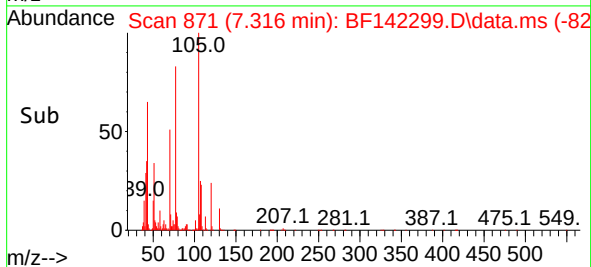
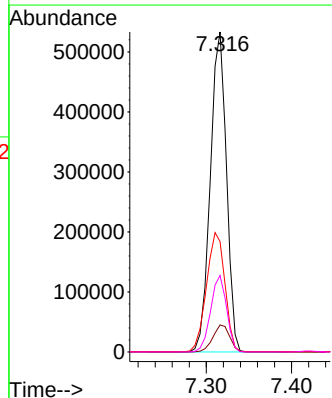
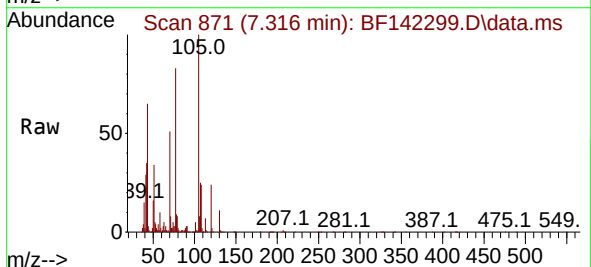
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

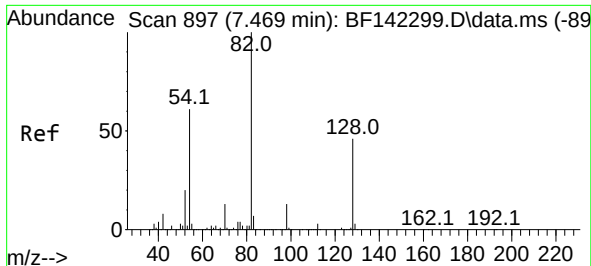
Tgt	Ion:136	Resp:	842526
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	9.6	7.7	11.5
68	6.1	4.9	7.3



#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

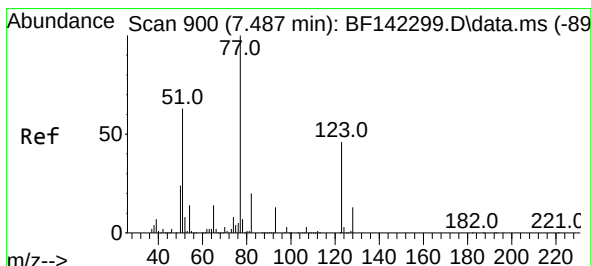
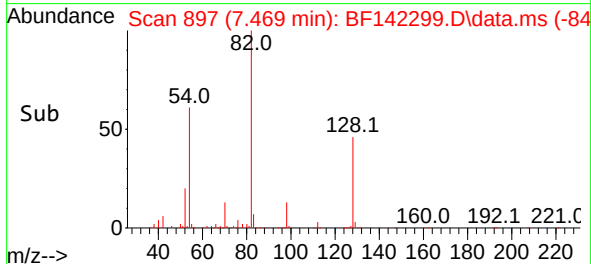
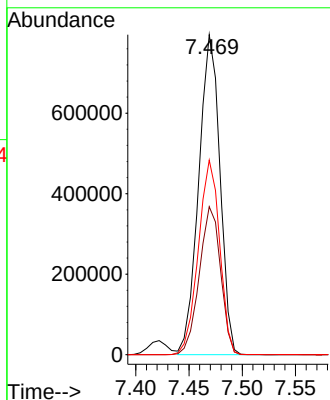
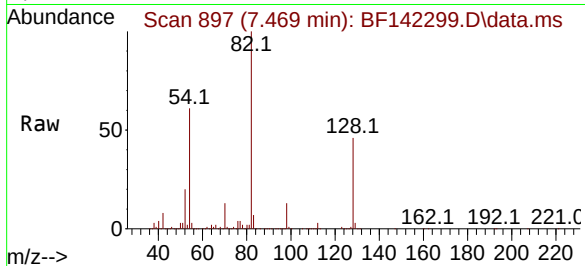




#23
Nitrobenzene-d5
Concen: 79.845 ng
RT: 7.469 min Scan# 897
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

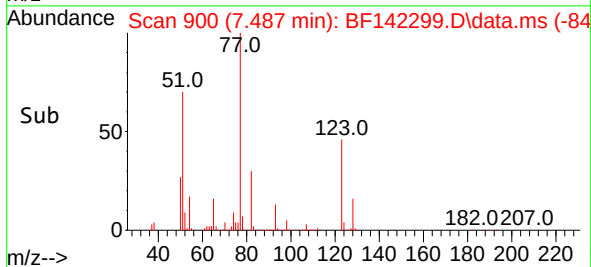
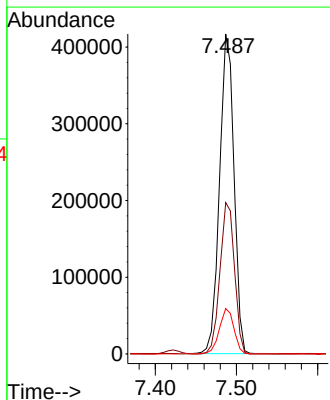
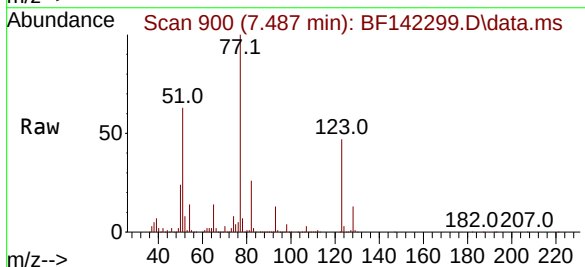
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

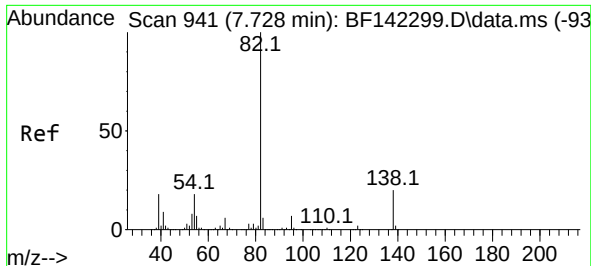
Tgt Ion: 82 Resp: 1103045
Ion Ratio Lower Upper
82 100
128 46.3 37.0 55.6
54 60.8 48.6 73.0



#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

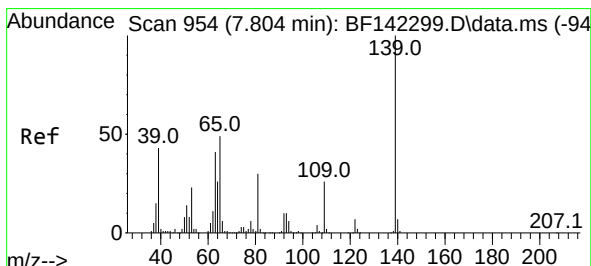
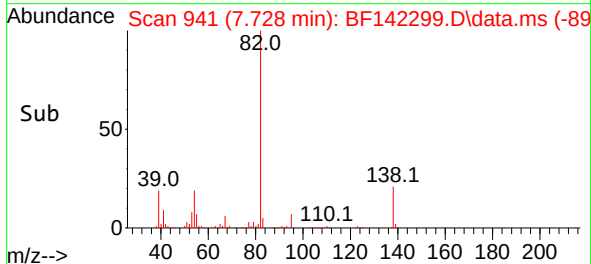
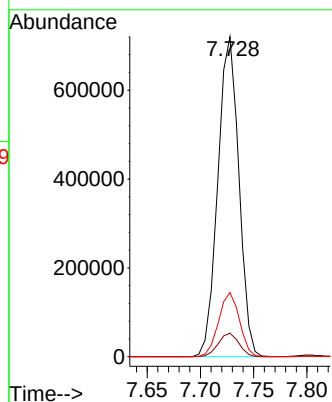
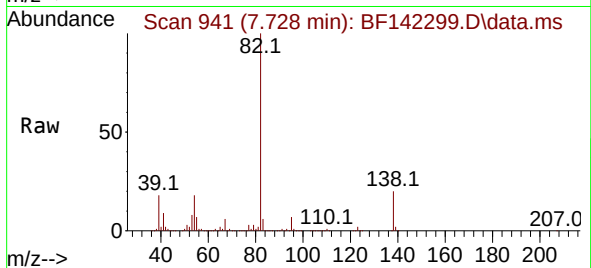




#25
Isophorone
Concen: 37.771 ng
RT: 7.728 min Scan# 941
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

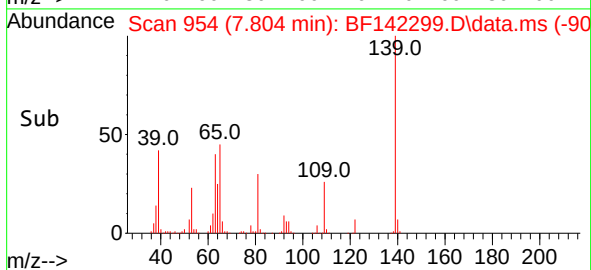
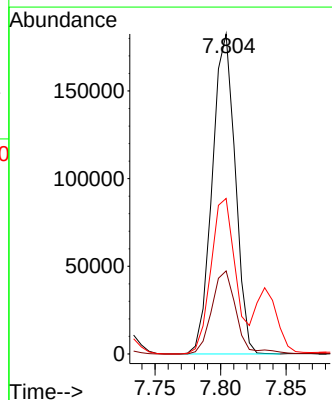
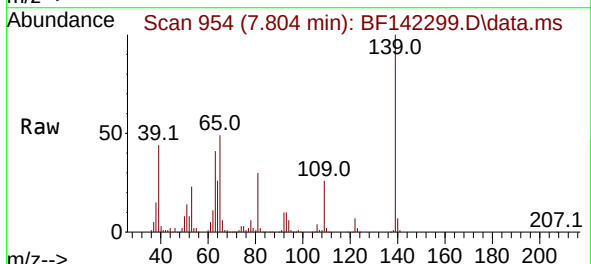
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

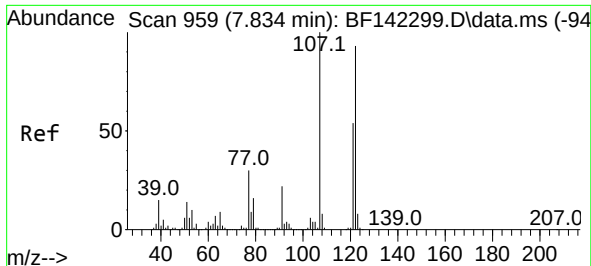
Tgt Ion: 82 Resp: 988094
Ion Ratio Lower Upper
82 100
95 7.3 5.8 8.8
138 20.1 16.1 24.1



#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# 91

Delta R.T. 0.000 min

Lab File: BF142299.D

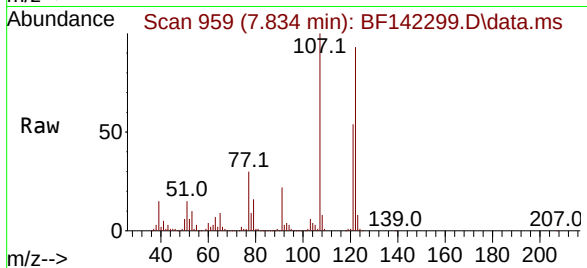
Acq: 05 May 2025 15:50

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040



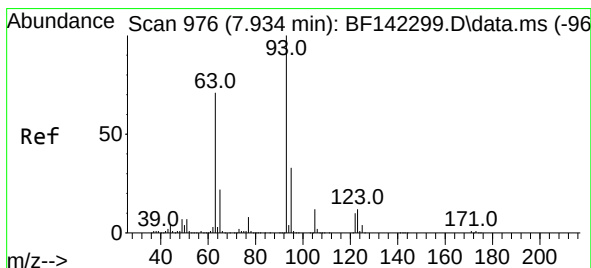
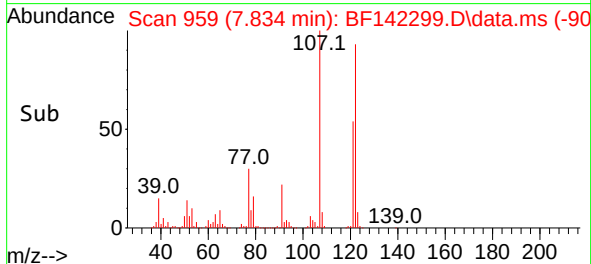
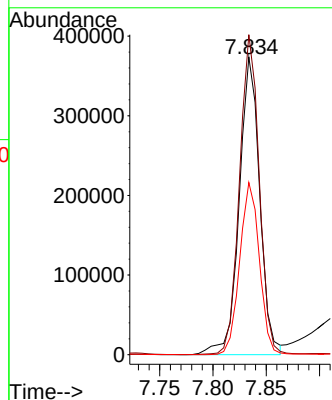
Tgt Ion:122 Resp: 501635

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

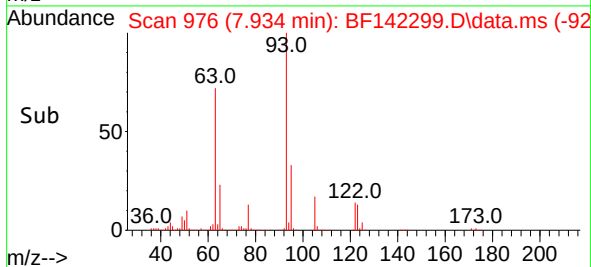
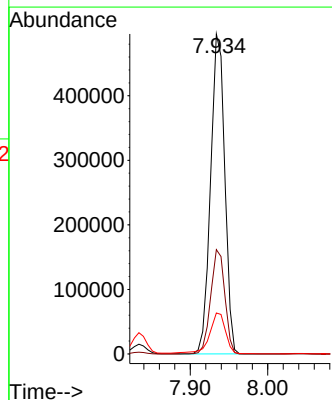
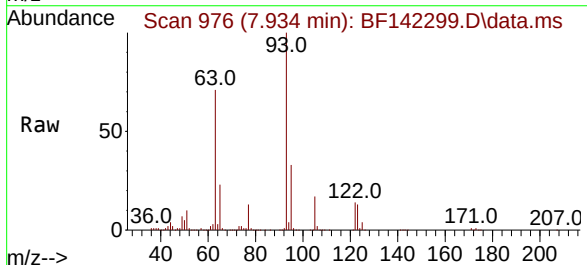
Tgt Ion: 93 Resp: 629800

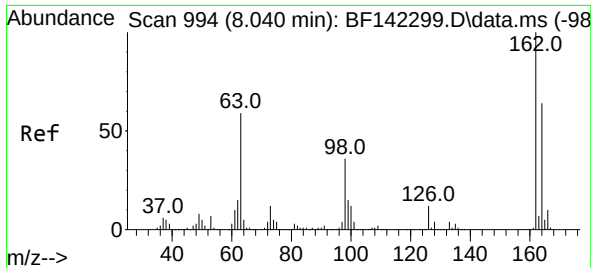
Ion Ratio Lower Upper

93 100

95 32.6 26.1 39.1

123 12.8 10.2 15.4

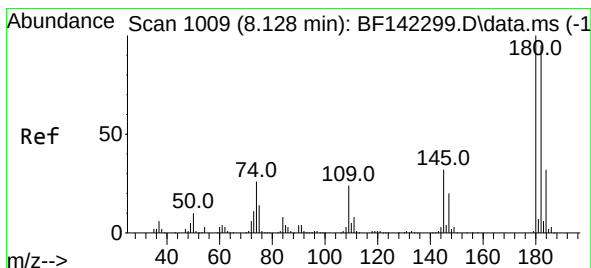
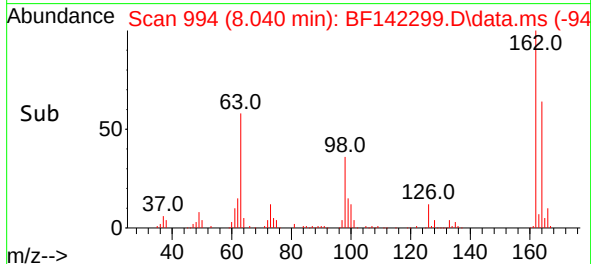
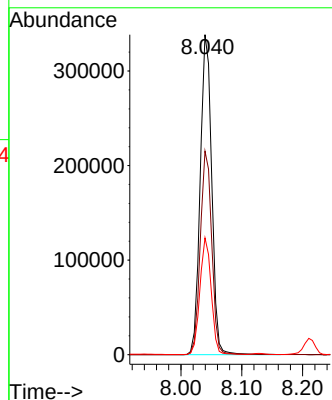
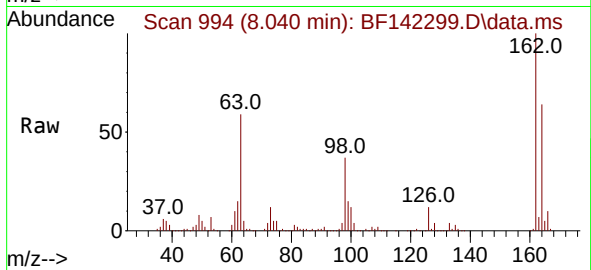




#29
2,4-Dichlorophenol
Concen: 39.562 ng
RT: 8.040 min Scan# 994
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

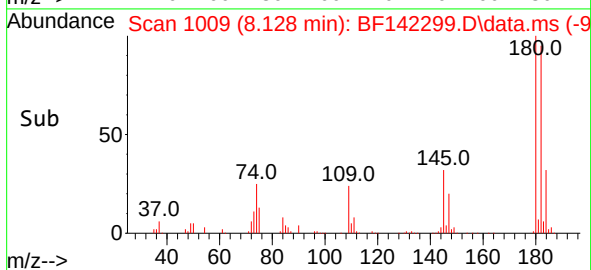
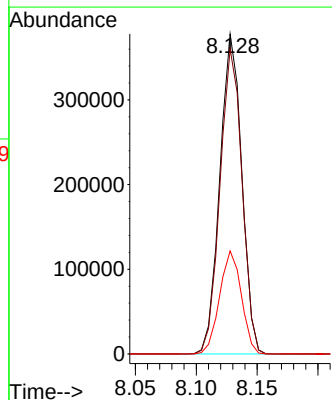
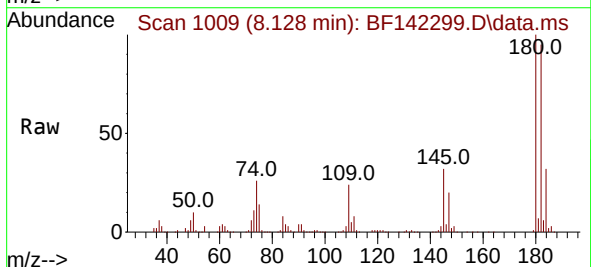
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

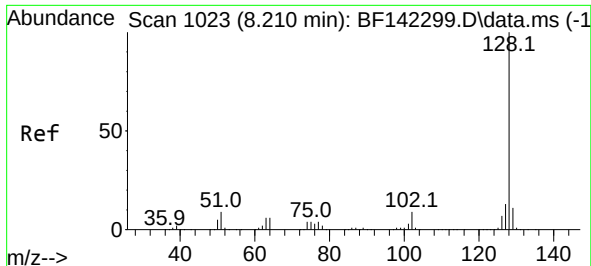
Tgt Ion:162 Resp: 442388
Ion Ratio Lower Upper
162 100
164 63.6 43.6 83.6
98 36.5 16.5 56.5



#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

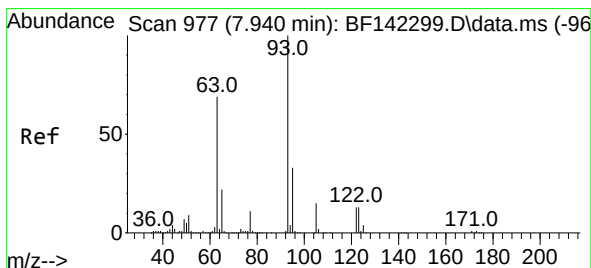
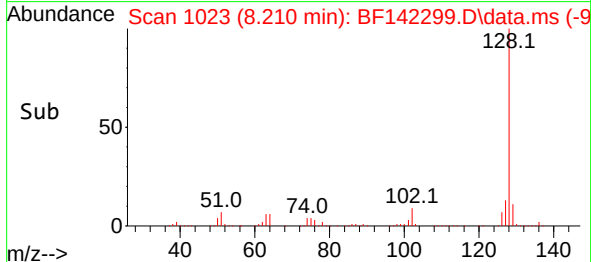
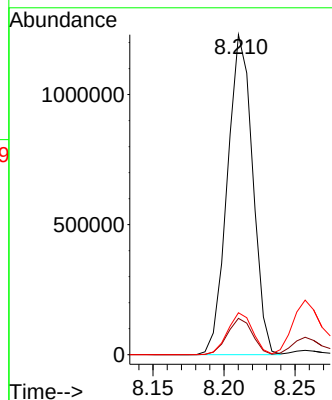
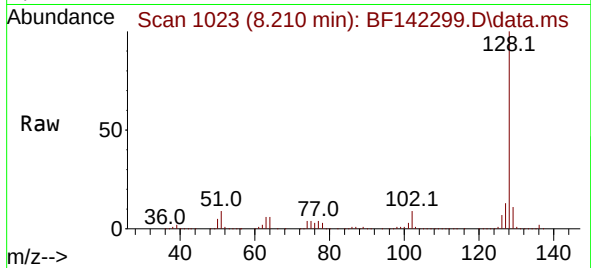




#31
Naphthalene
Concen: 37.372 ng
RT: 8.210 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

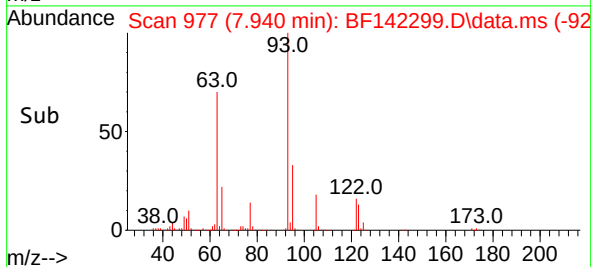
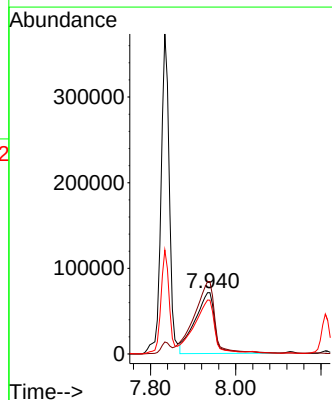
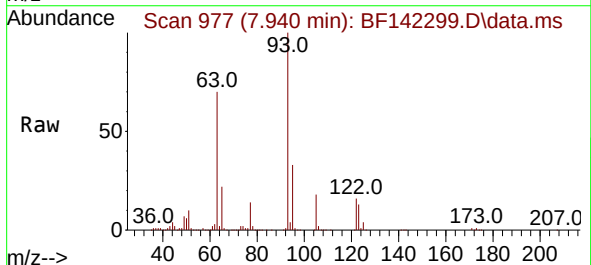
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

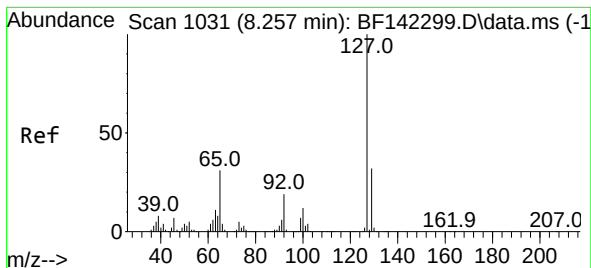
Tgt Ion:128 Resp: 1526020
Ion Ratio Lower Upper
128 100
129 11.4 9.1 13.7
127 13.1 10.5 15.7



#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



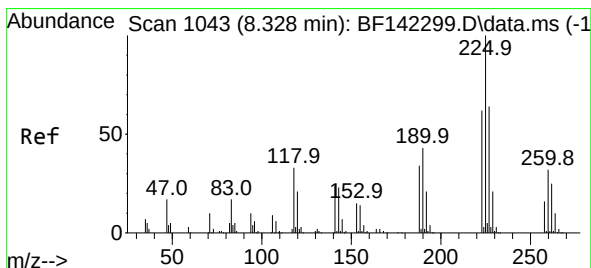
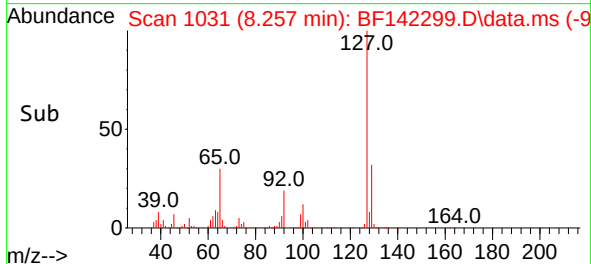
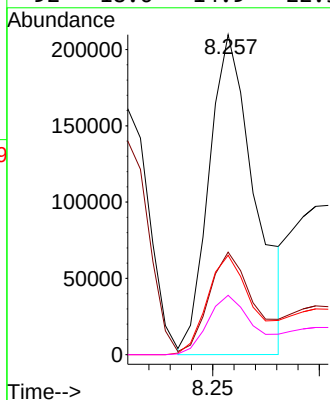
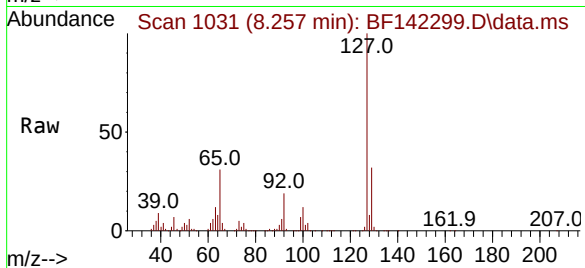


#33
4-Chloroaniline
Concen: 18.914 ng
RT: 8.257 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:127 Resp: 314574

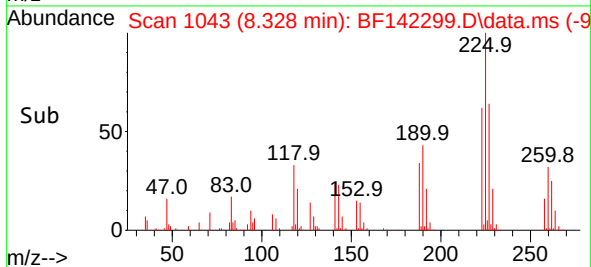
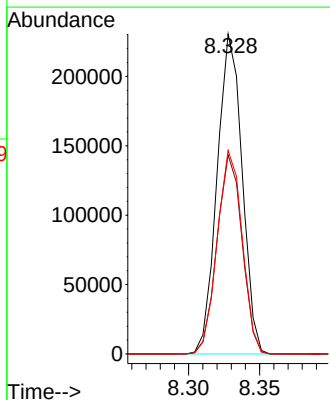
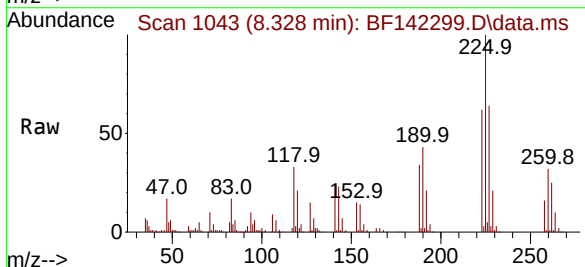
Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.7	38.5
65	31.1	24.9	37.3
92	18.6	14.9	22.3

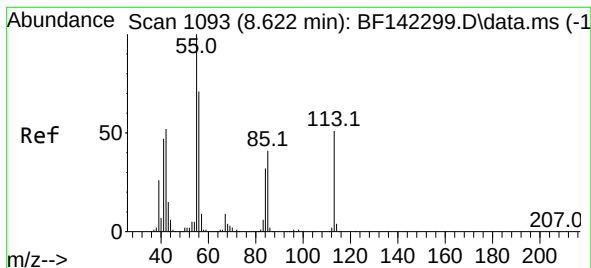


#34
Hexachlorobutadiene
Concen: 37.888 ng
RT: 8.328 min Scan# 1043
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

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# 1093

Delta R.T. 0.000 min

Lab File: BF142299.D

Acq: 05 May 2025 15:50

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

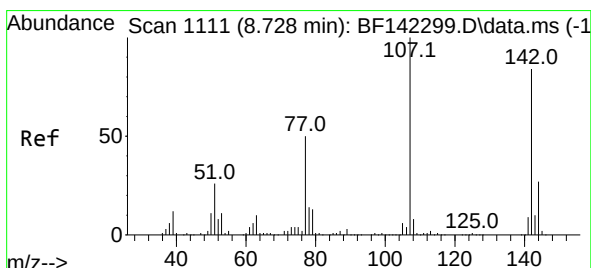
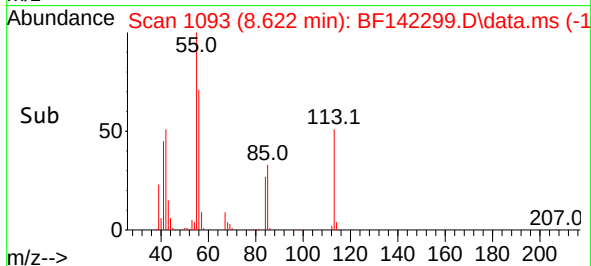
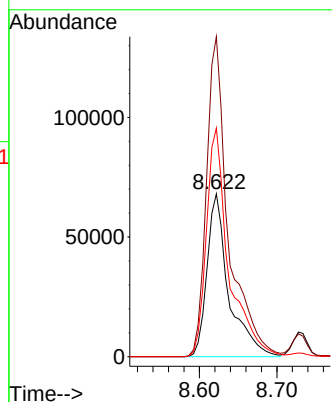
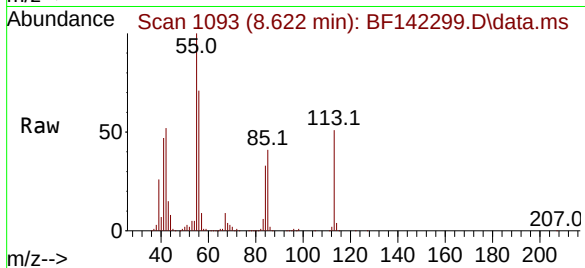
Tgt Ion:113 Resp: 132846

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

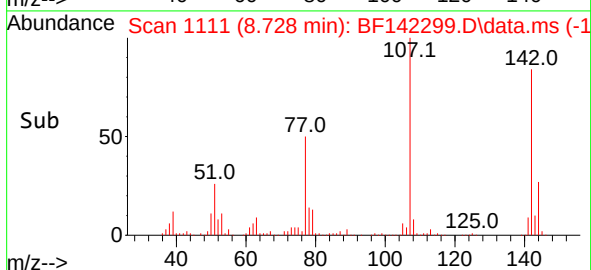
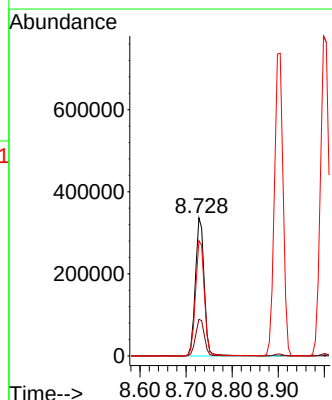
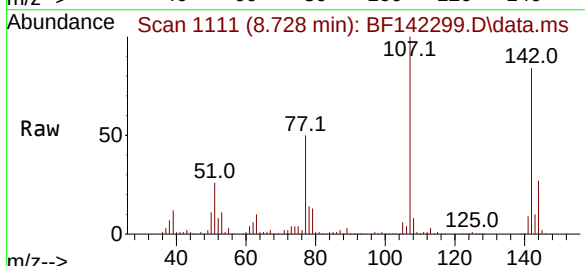
Tgt Ion:107 Resp: 447226

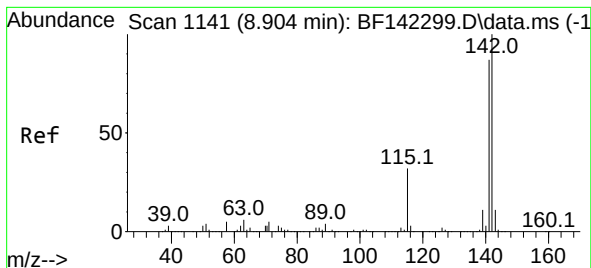
Ion Ratio Lower Upper

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# 1141

Delta R.T. 0.000 min

Lab File: BF142299.D

Acq: 05 May 2025 15:50

Instrument :

BNA_F

ClientSampleId :

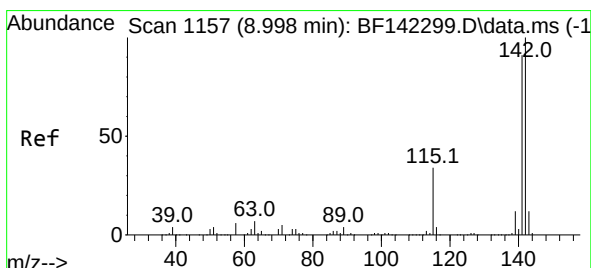
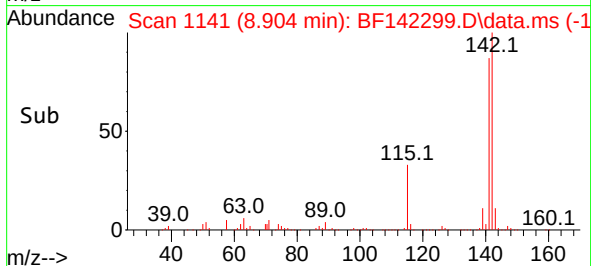
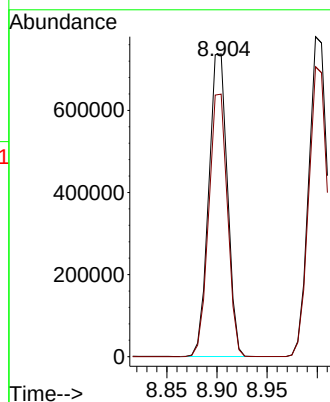
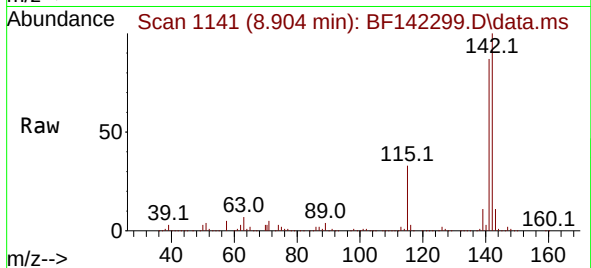
SSTDICCC040

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

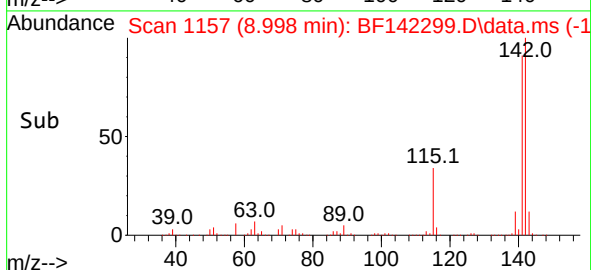
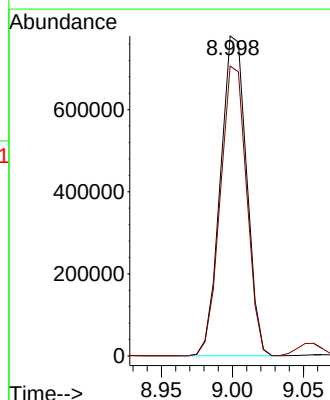
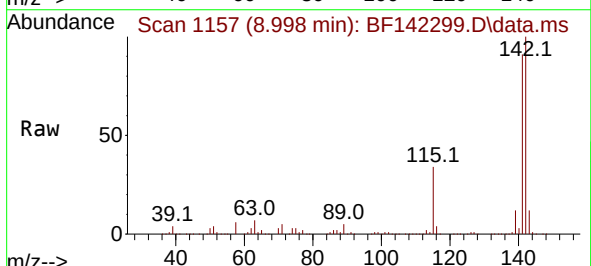
Acq: 05 May 2025 15:50

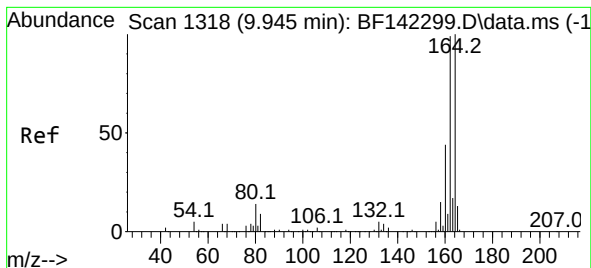
Tgt Ion:142 Resp: 1000206

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# 1169

Delta R.T. 0.000 min

Lab File: BF142299.D

Acq: 05 May 2025 15:50

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

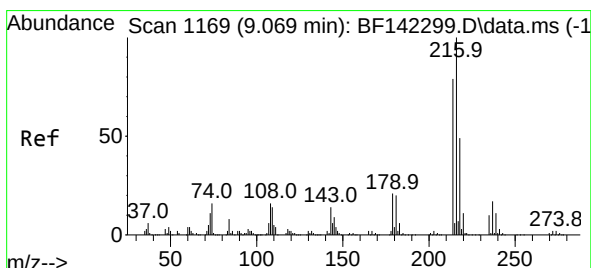
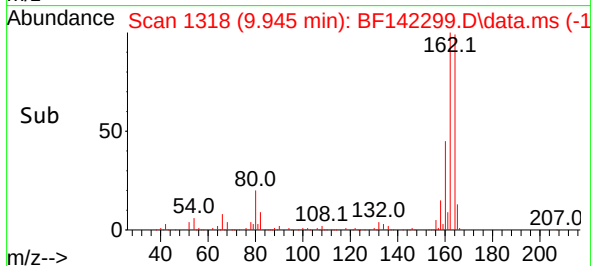
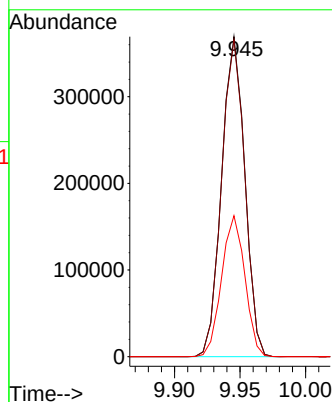
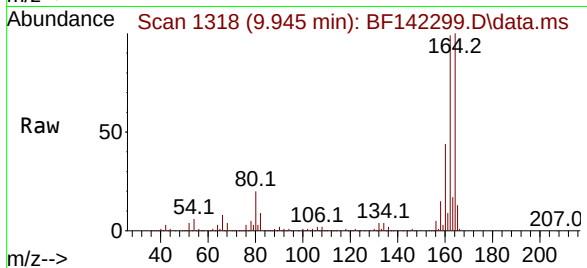
Tgt Ion:164 Resp: 453823

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

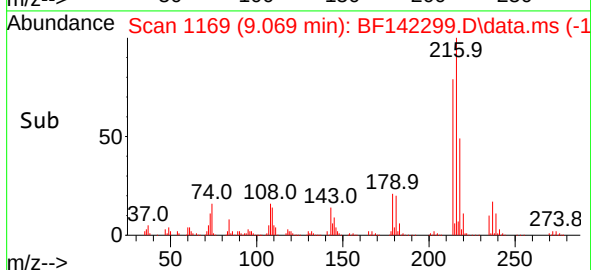
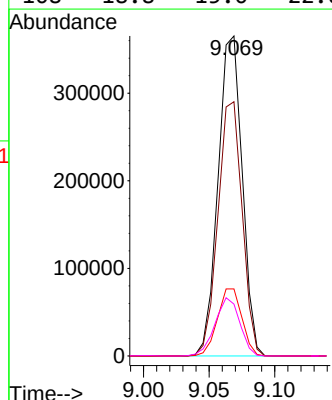
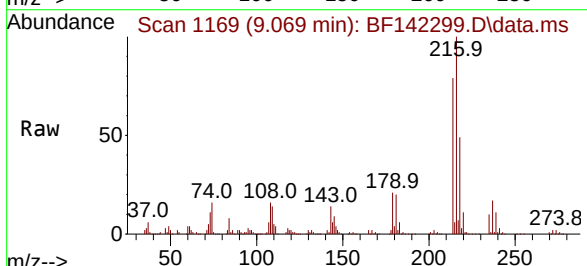
Ion Ratio Lower Upper

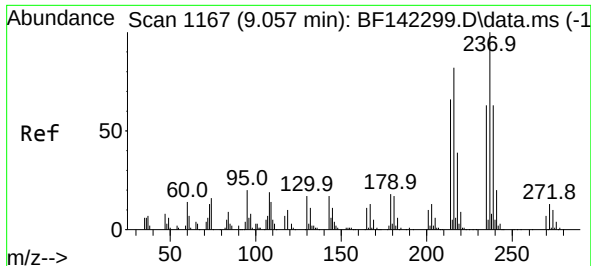
216 100

214 79.7 63.8 95.6

179 21.3 17.0 25.6

108 18.8 15.0 22.6

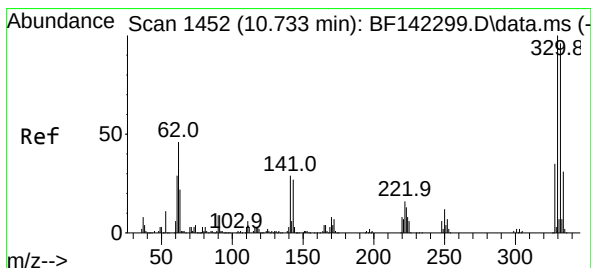
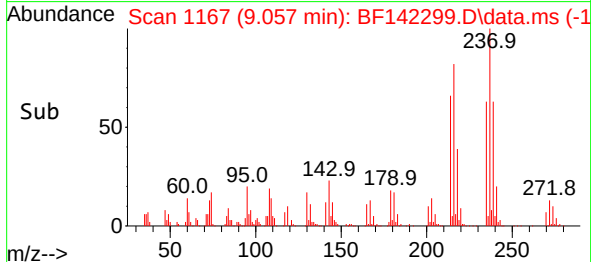
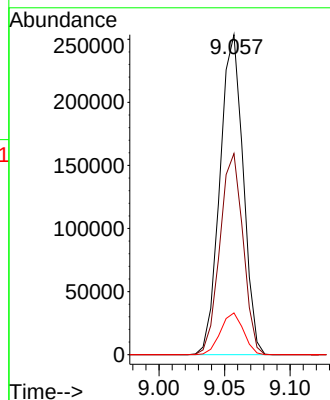
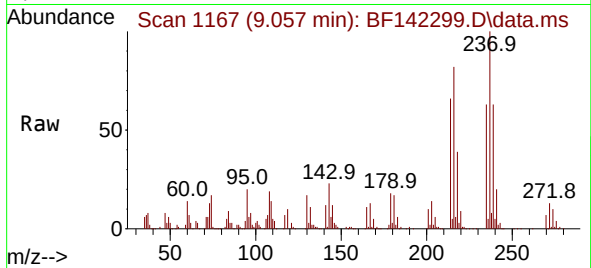




#41
Hexachlorocyclopentadiene
Concen: 39.785 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

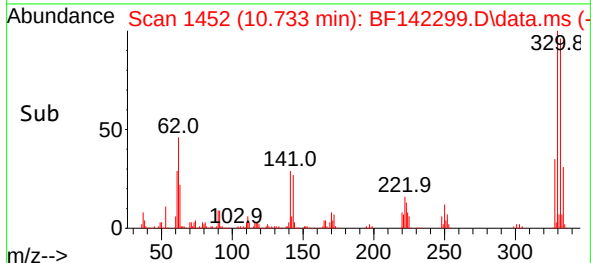
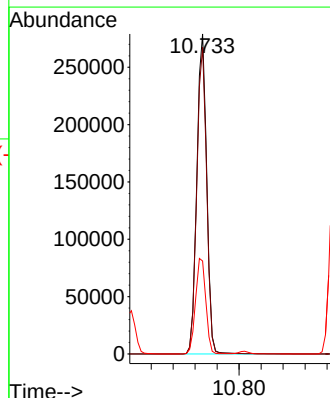
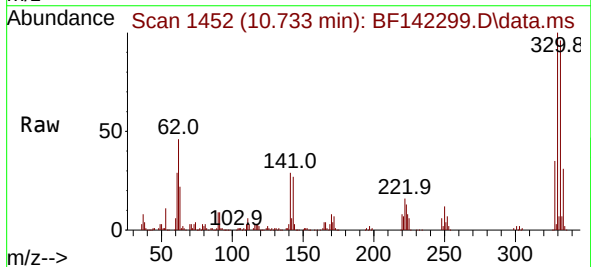
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

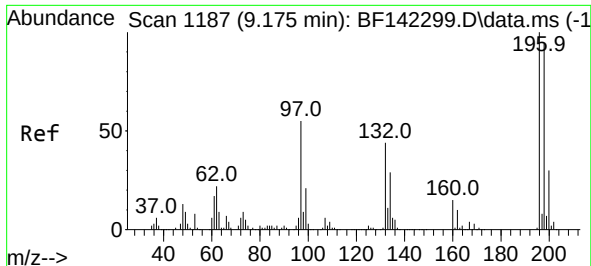
Tgt Ion:237 Resp: 311649
Ion Ratio Lower Upper
237 100
235 62.8 42.8 82.8
272 13.0 0.0 33.0



#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

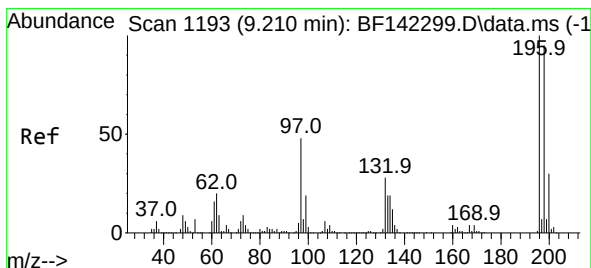
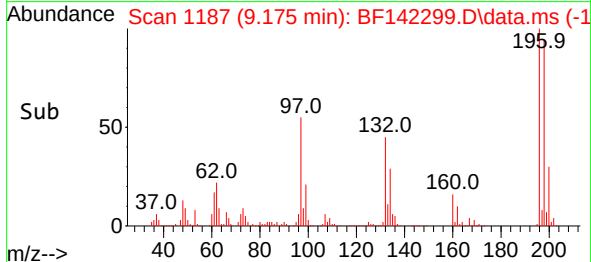
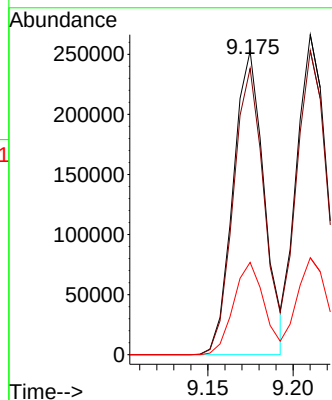
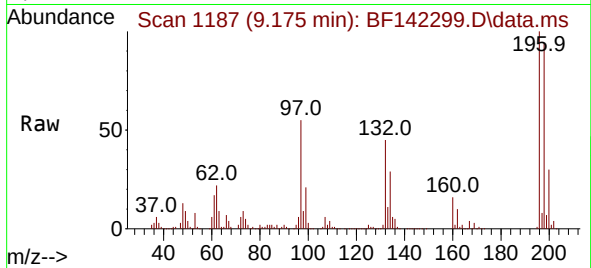




#43
 2,4,6-Trichlorophenol
 Concen: 39.883 ng
 RT: 9.175 min Scan# 1187
 Delta R.T. 0.000 min
 Lab File: BF142299.D
 Acq: 05 May 2025 15:50

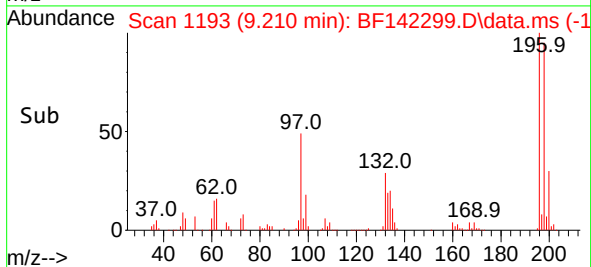
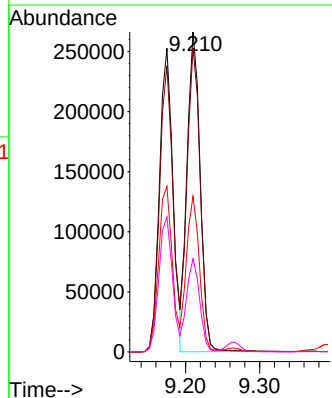
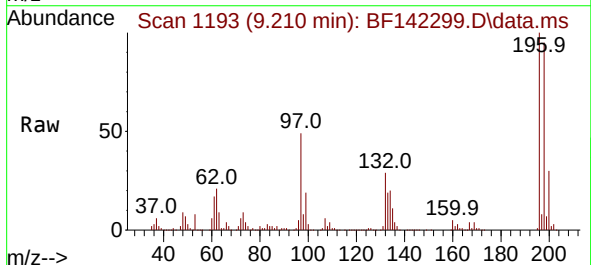
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

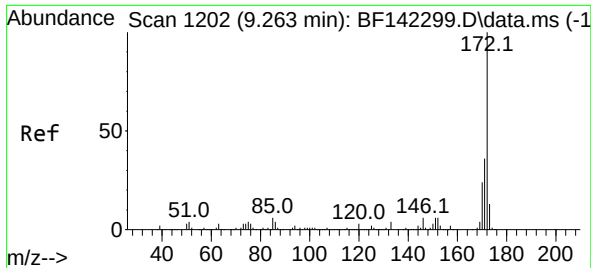
Tgt Ion:196 Resp: 318860
 Ion Ratio Lower Upper
 196 100
 198 94.2 75.4 113.0
 200 30.4 24.3 36.5



#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

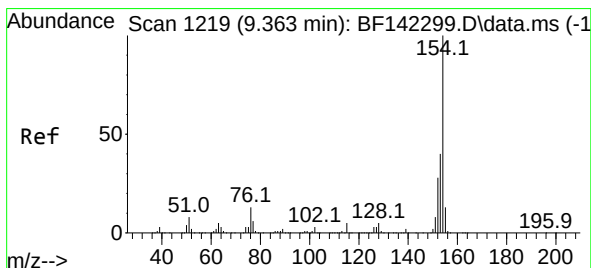
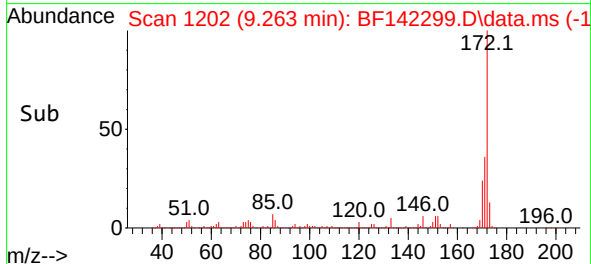
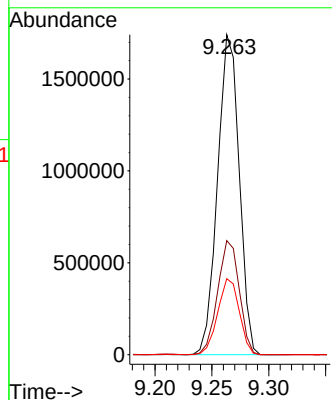
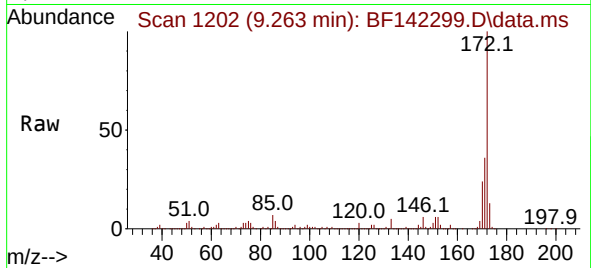




#45
2-Fluorobiphenyl
Concen: 72.545 ng
RT: 9.263 min Scan# 1202
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

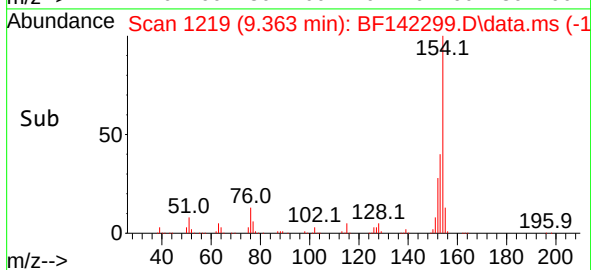
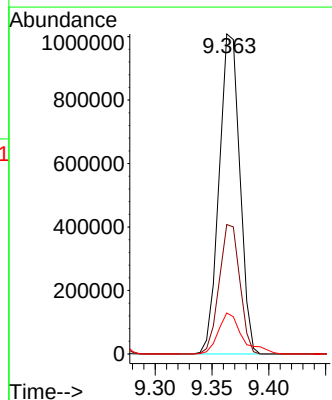
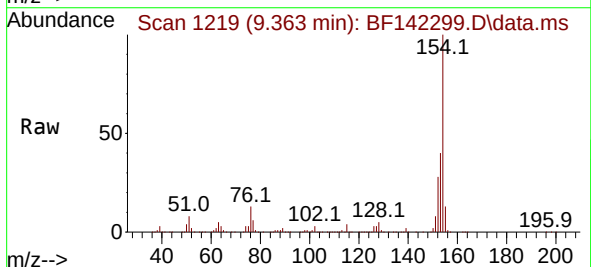
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

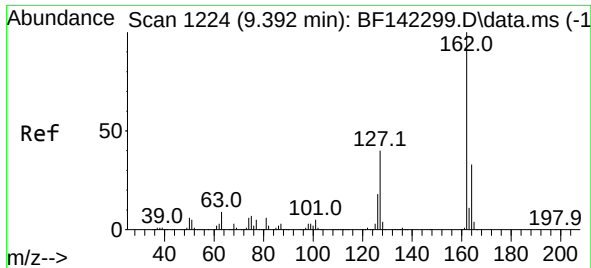
Tgt Ion:172 Resp: 2308950
Ion Ratio Lower Upper
172 100
171 35.7 28.6 42.8
170 23.7 19.0 28.4



#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

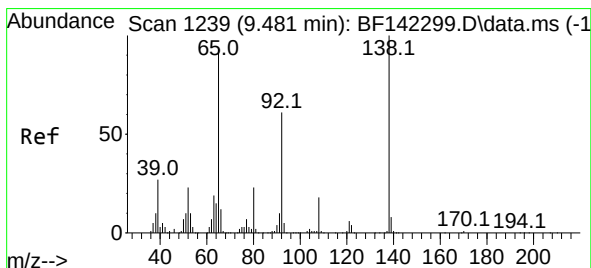
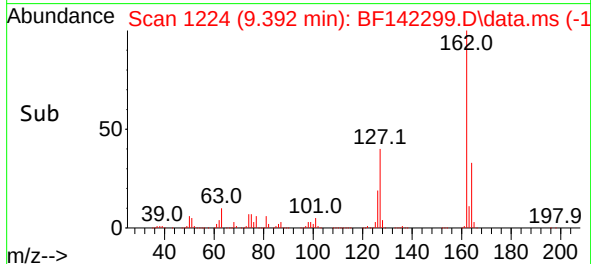
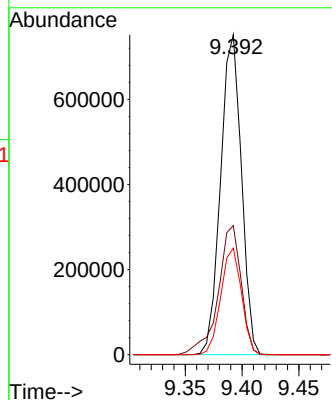
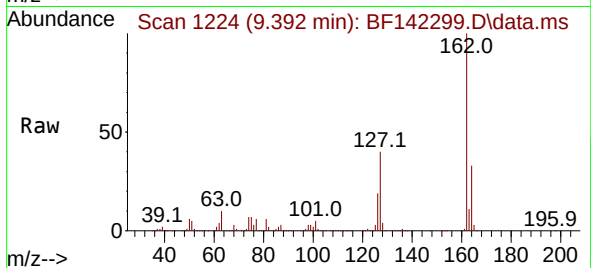




#47
2-Chloronaphthalene
Concen: 37.093 ng
RT: 9.392 min Scan# 1224
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

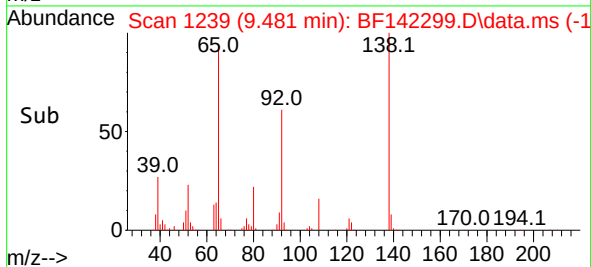
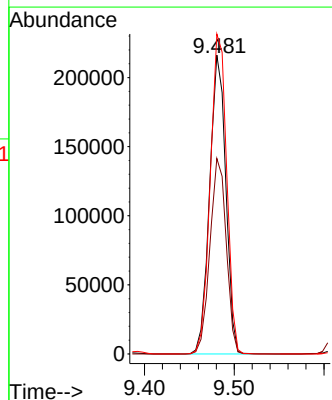
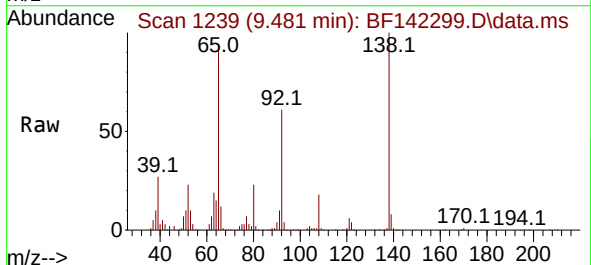
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

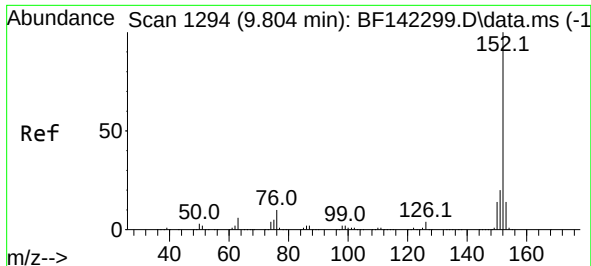
Tgt Ion:162 Resp: 959880
Ion Ratio Lower Upper
162 100
127 40.4 32.3 48.5
164 33.3 26.6 40.0



#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# 11

Delta R.T. 0.000 min

Lab File: BF142299.D

Acq: 05 May 2025 15:50

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

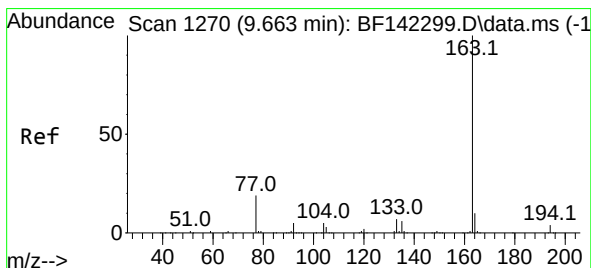
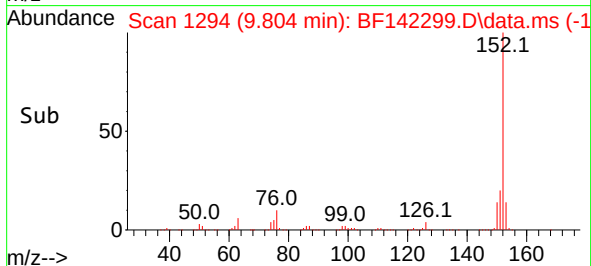
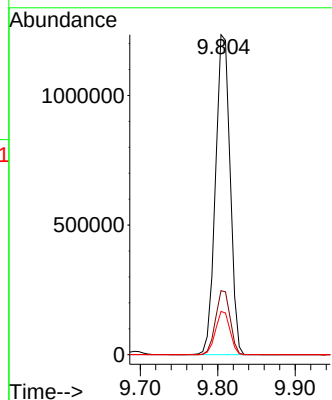
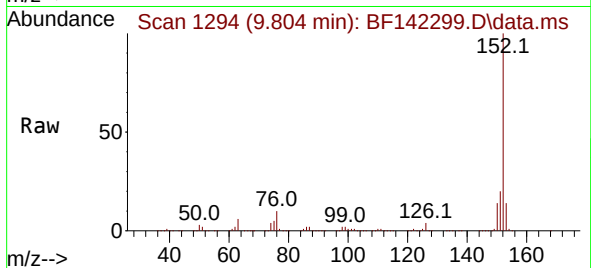
Tgt Ion:152 Resp: 1618066

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

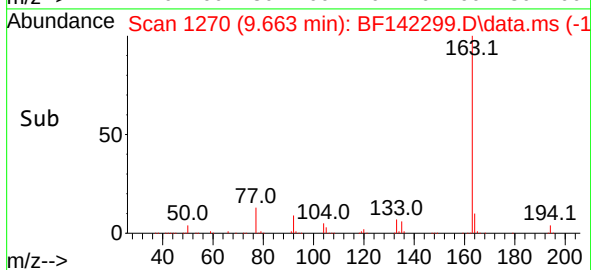
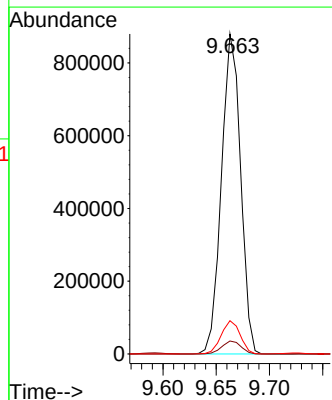
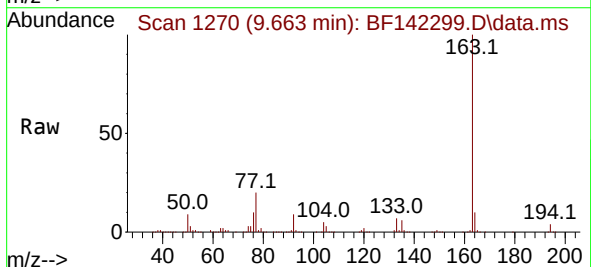
Tgt Ion:163 Resp: 1097900

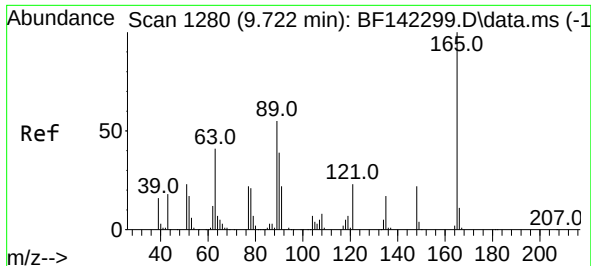
Ion Ratio Lower Upper

163 100

194 4.0 3.2 4.8

164 10.4 8.3 12.5

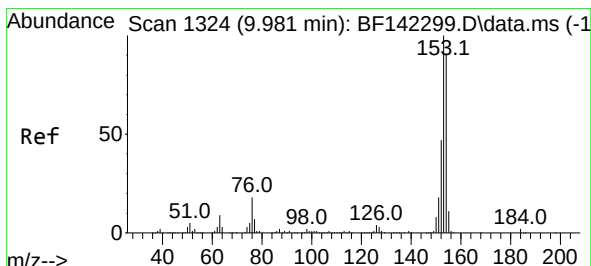
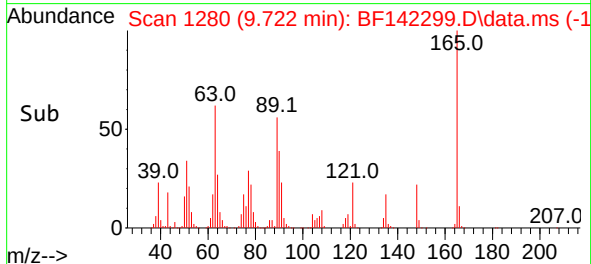
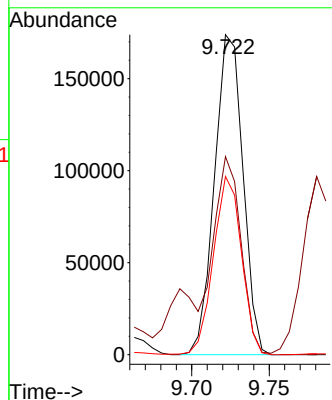
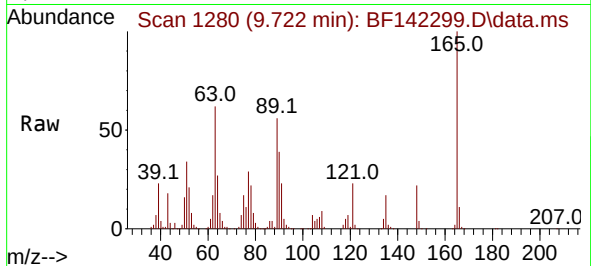




#51
2,6-Dinitrotoluene
Concen: 40.792 ng
RT: 9.722 min Scan# 1280
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

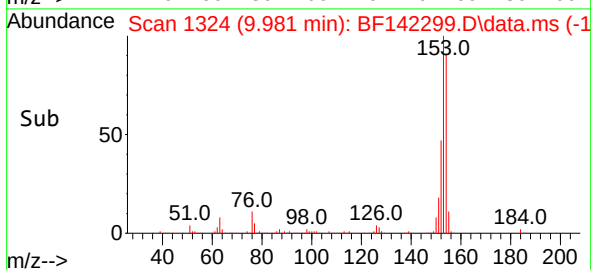
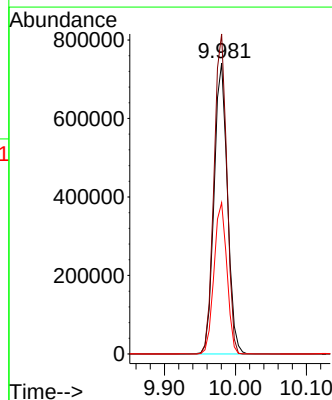
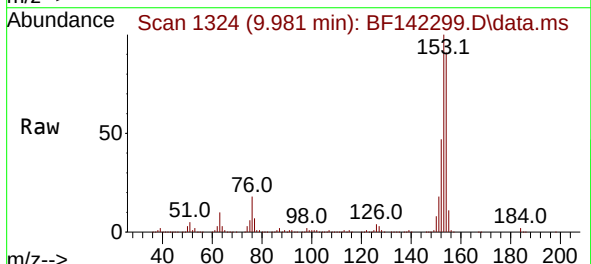
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

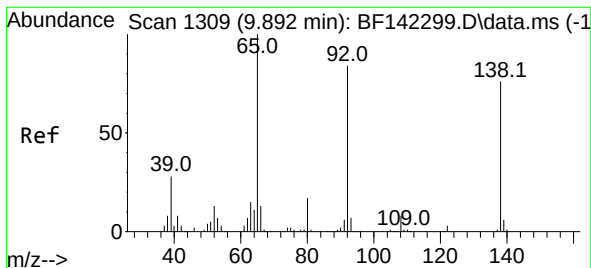
Tgt Ion:165 Resp: 222509
Ion Ratio Lower Upper
165 100
63 61.9 49.5 74.3
89 55.7 44.6 66.8



#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# 1309

Delta R.T. 0.000 min

Lab File: BF142299.D

Acq: 05 May 2025 15:50

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

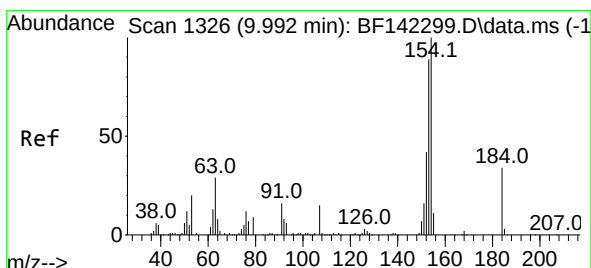
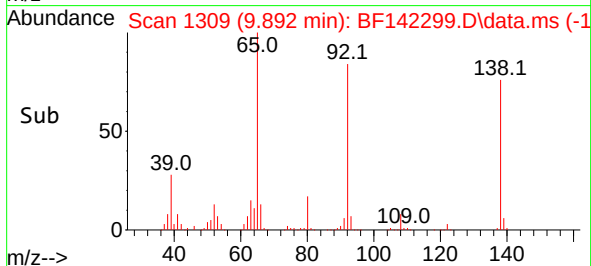
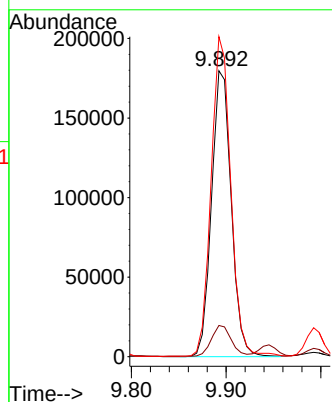
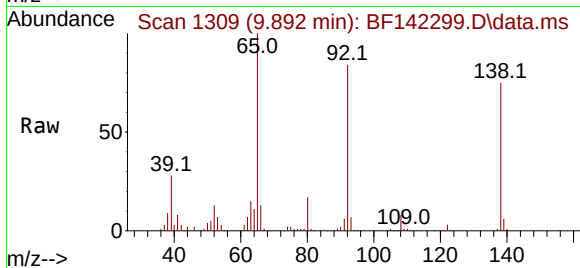
Tgt Ion:138 Resp: 259735

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

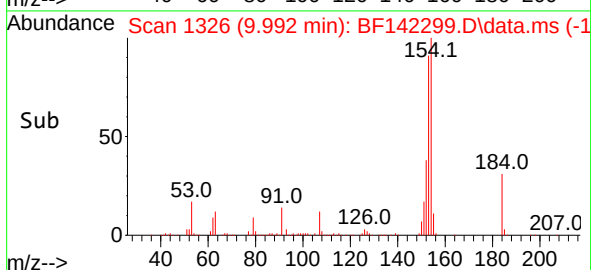
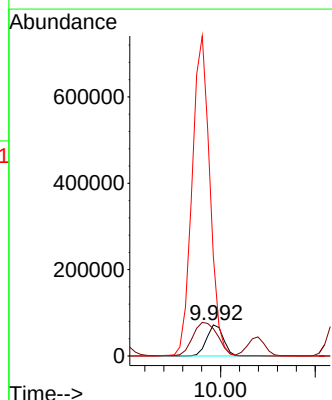
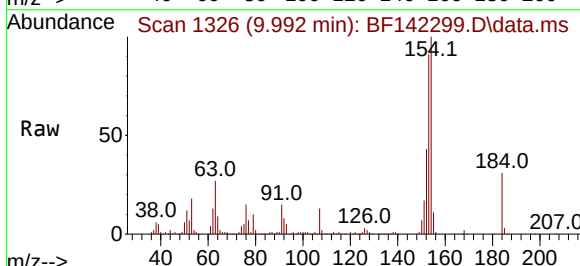
Tgt Ion:184 Resp: 88227

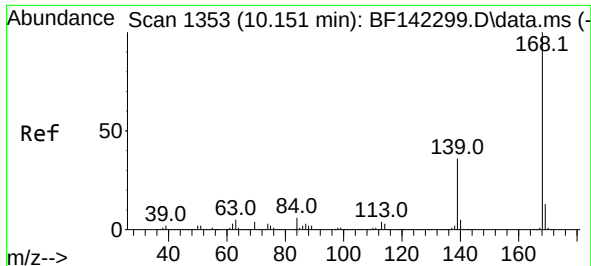
Ion Ratio Lower Upper

184 100

63 88.2 70.6 105.8

154 321.5 257.2 385.8

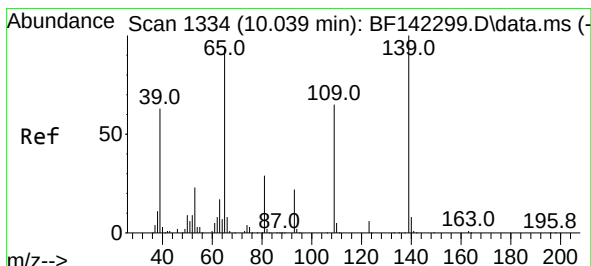
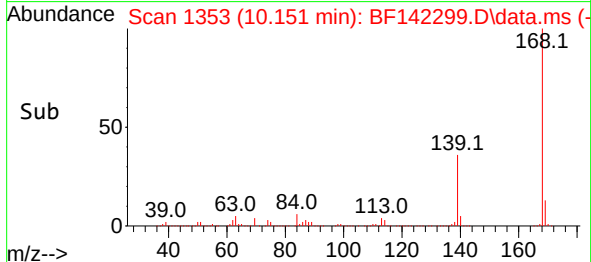
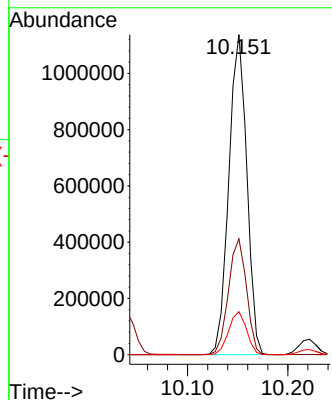
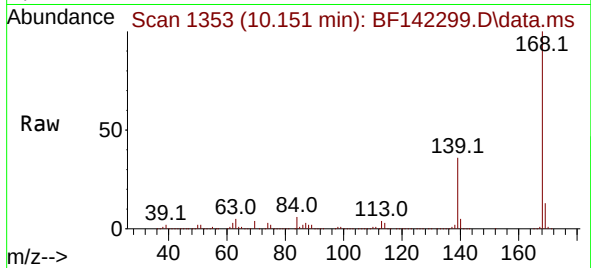




#55
Dibenzenofuran
Concen: 36.745 ng
RT: 10.151 min Scan# 1353
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

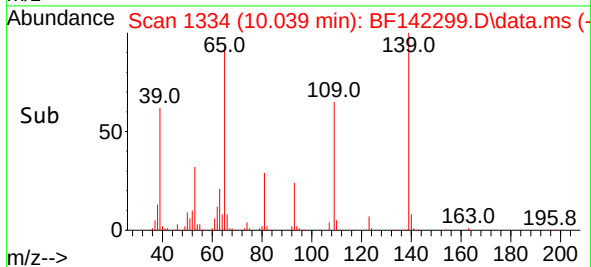
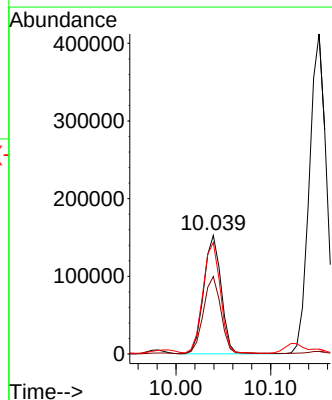
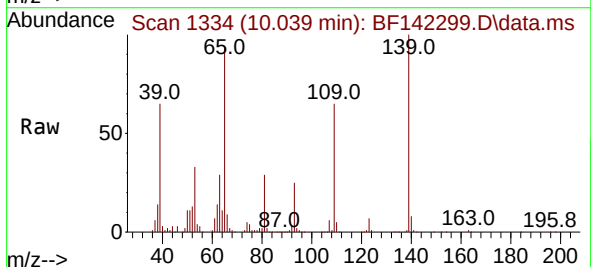
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

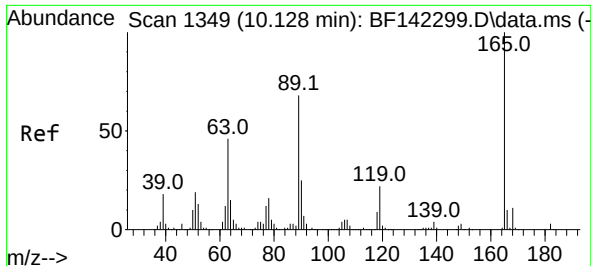
Tgt Ion:168 Resp: 1411519
Ion Ratio Lower Upper
168 100
139 36.2 29.0 43.4
169 13.4 10.7 16.1



#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

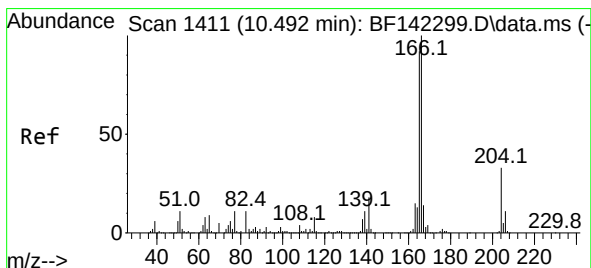
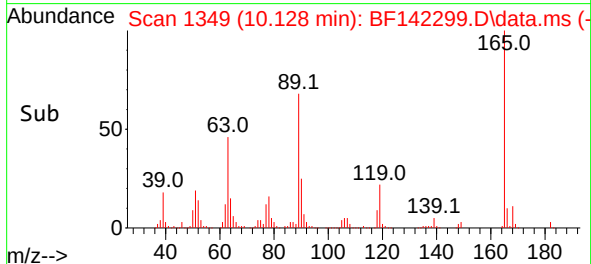
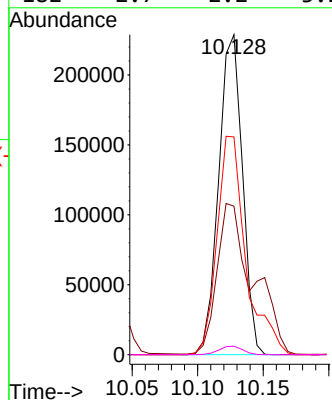
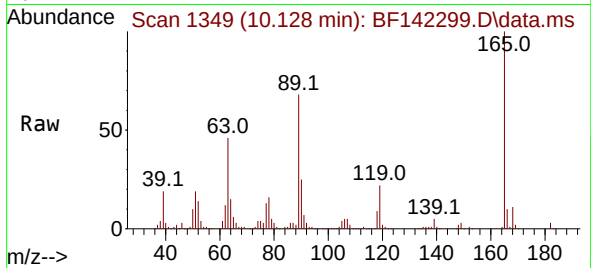




#57
2,4-Dinitrotoluene
Concen: 41.281 ng
RT: 10.128 min Scan# 1349
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

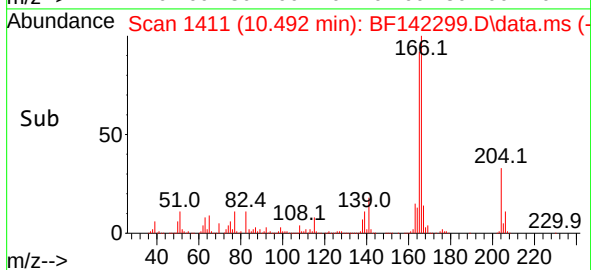
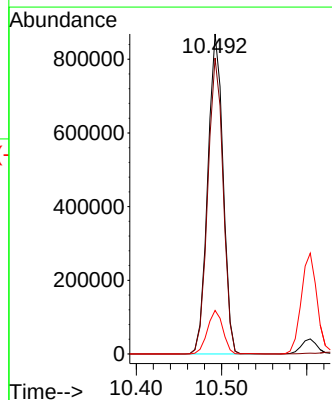
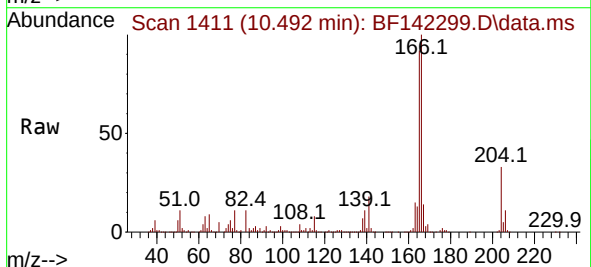
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

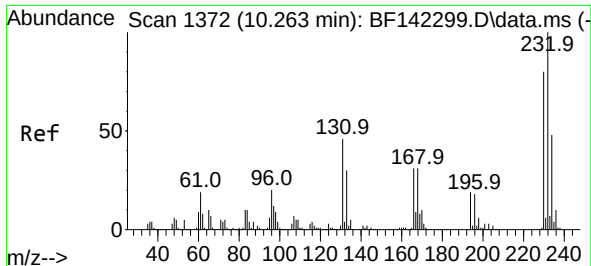
Tgt Ion:165 Resp: 288836
Ion Ratio Lower Upper
165 100
63 46.4 37.1 55.7
89 68.0 54.4 81.6
182 2.7 2.2 3.2



#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

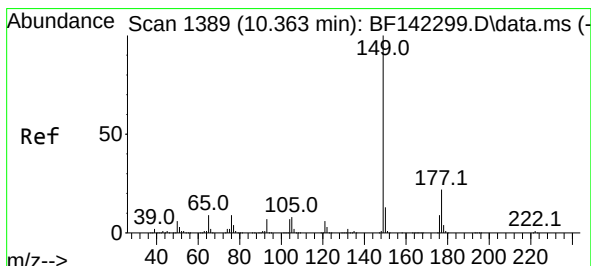
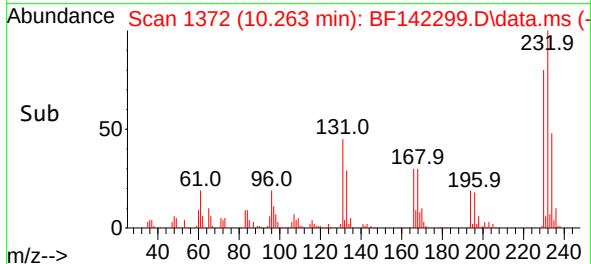
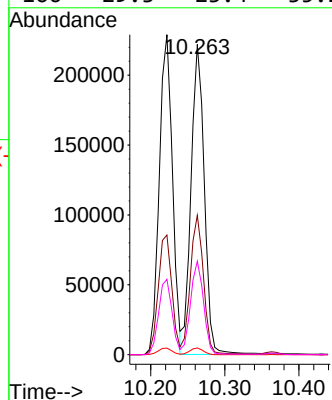
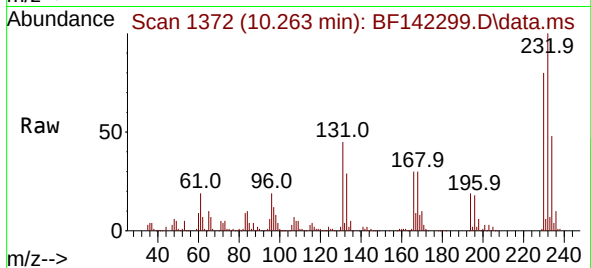




#59
2,3,4,6-Tetrachlorophenol
Concen: 39.451 ng
RT: 10.263 min Scan# 1372
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

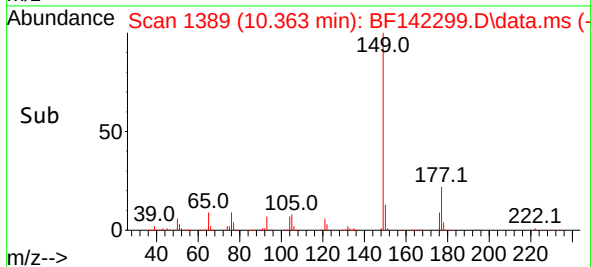
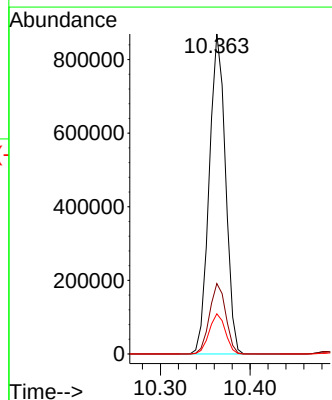
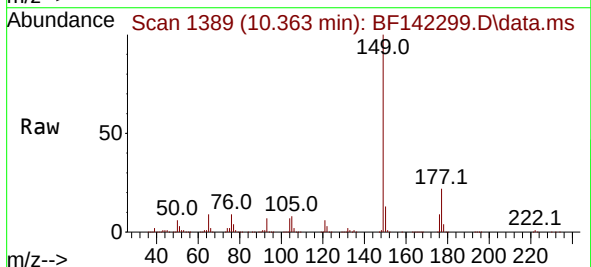
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

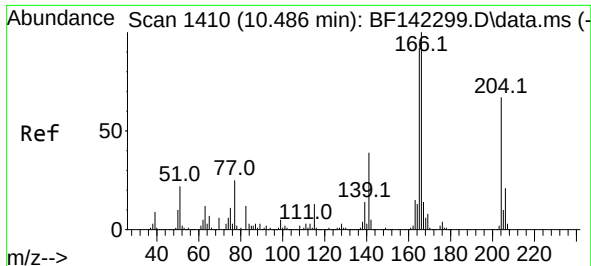
Tgt Ion:232 Resp: 277041
Ion Ratio Lower Upper
232 100
131 45.0 36.0 54.0
130 2.2 1.8 2.6
166 29.3 23.4 35.2



#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

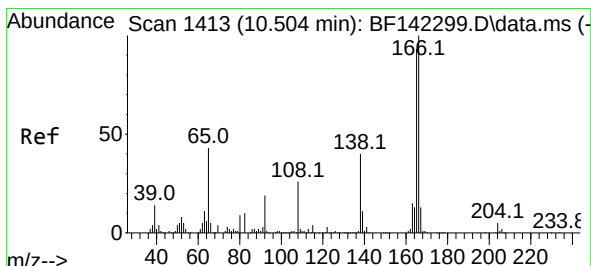
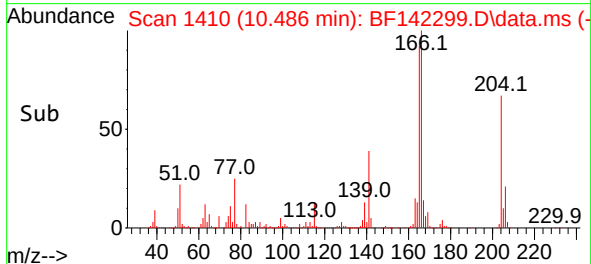
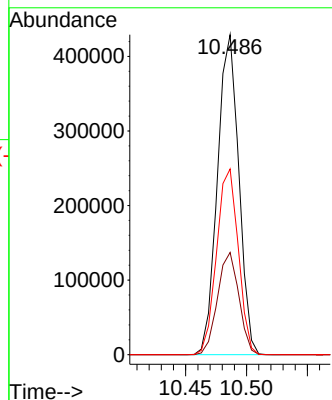
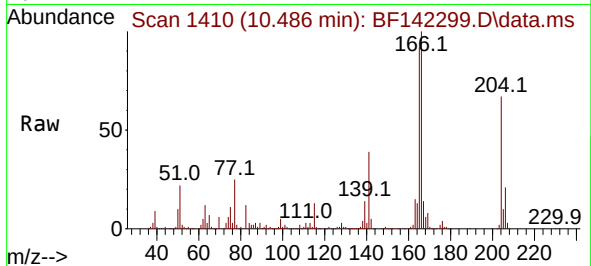




#61
4-Chlorophenyl-phenylether
Concen: 37.028 ng
RT: 10.486 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

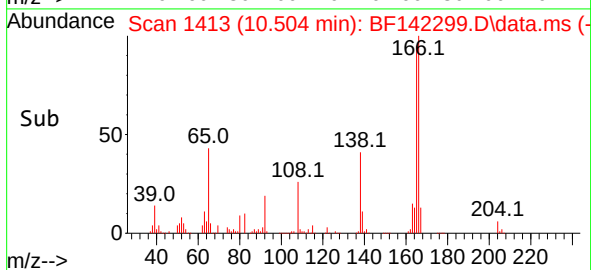
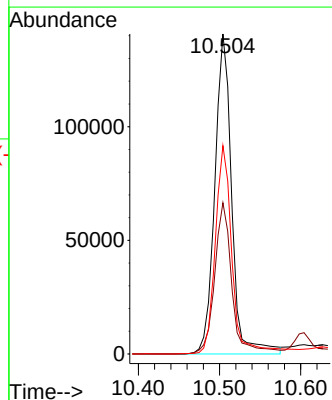
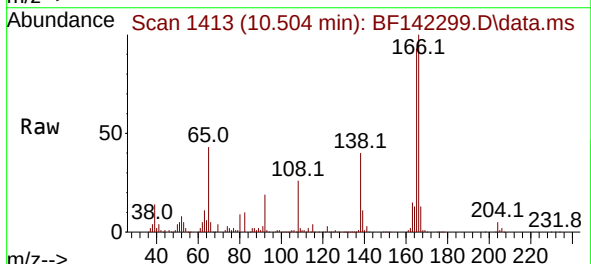
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

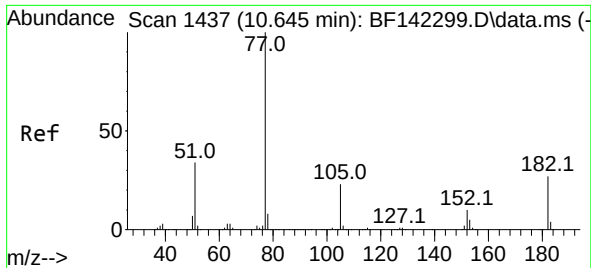
Tgt Ion:204 Resp: 523719
Ion Ratio Lower Upper
204 100
206 31.9 25.5 38.3
141 58.0 46.4 69.6



#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



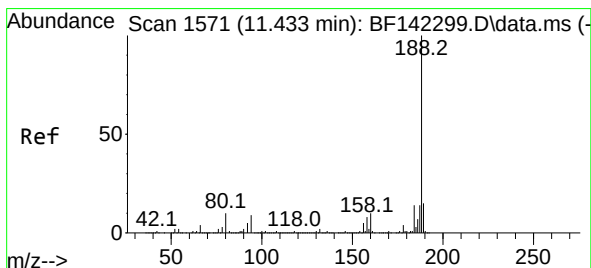
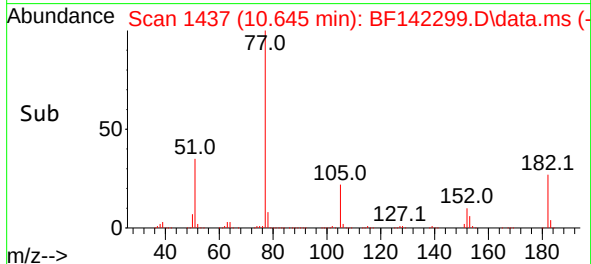
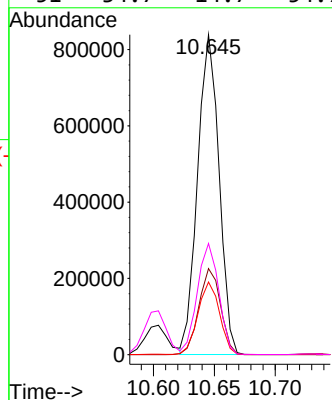
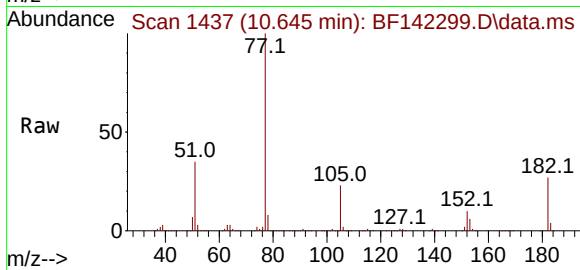


#63
Azobenzene
Concen: 36.938 ng
RT: 10.645 min Scan# 1437
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion: 77 Resp: 1027227

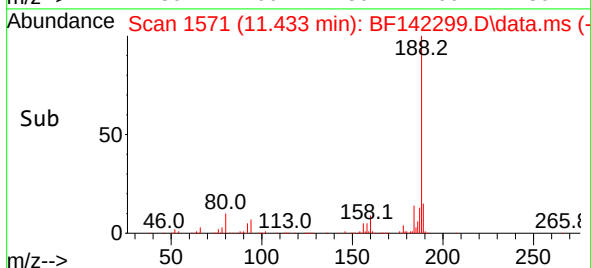
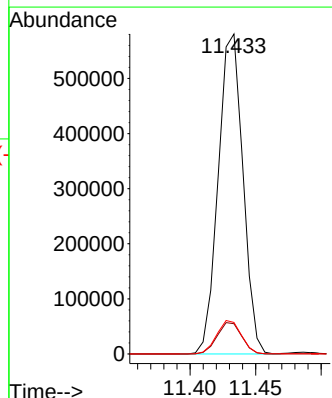
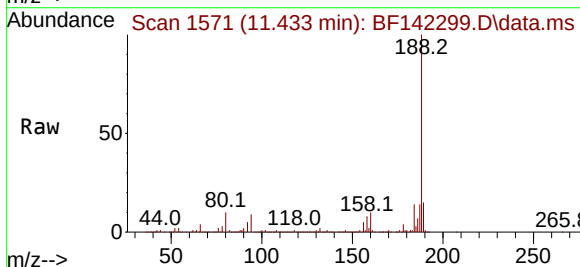
Ion	Ratio	Lower	Upper
77	100		
182	26.9	6.9	46.9
105	22.7	2.7	42.7
51	34.7	14.7	54.7

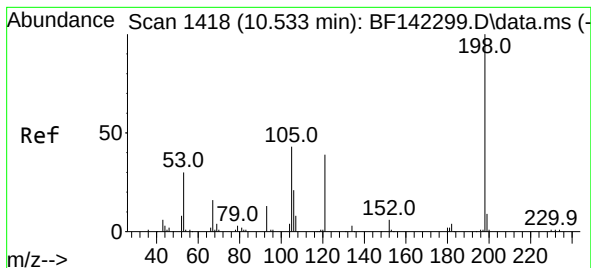


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1571
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

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

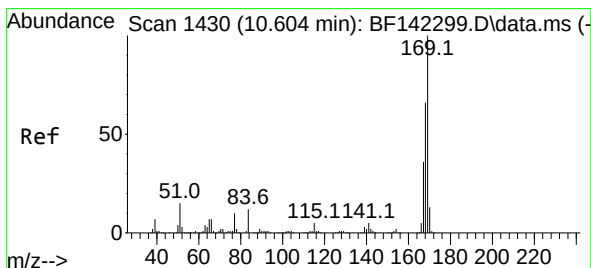
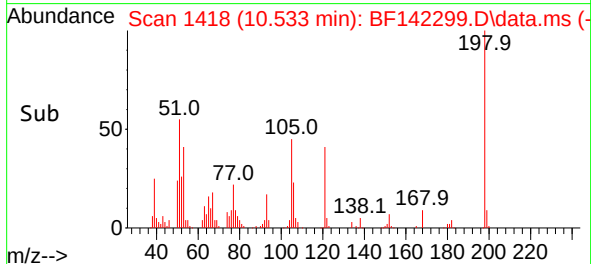
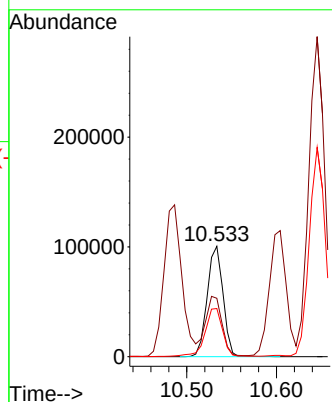
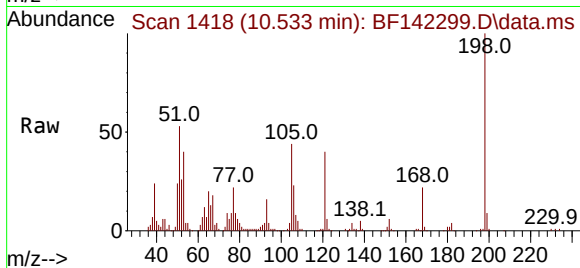




#65
4,6-Dinitro-2-methylphenol
Concen: 36.690 ng
RT: 10.533 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

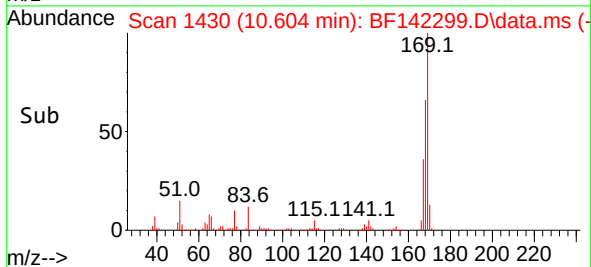
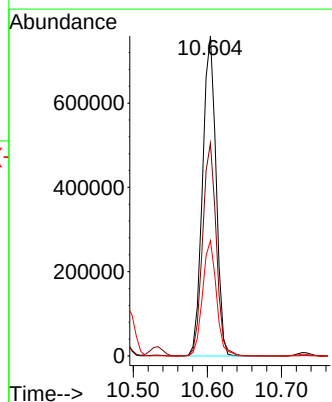
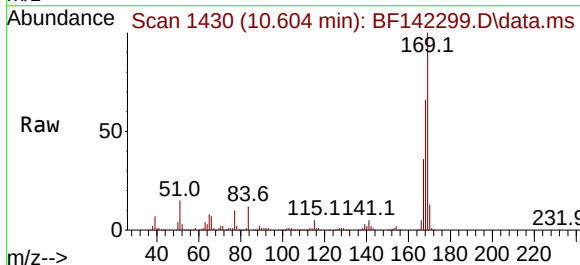
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

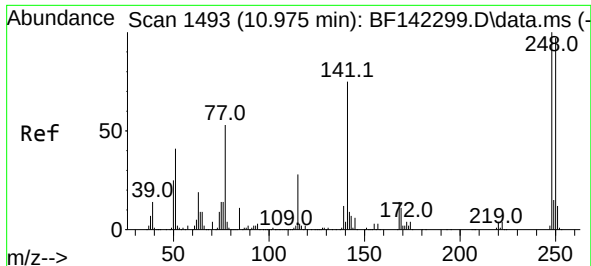
Tgt Ion:198 Resp: 123079
Ion Ratio Lower Upper
198 100
51 52.9 32.9 72.9
105 43.7 23.7 63.7



#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

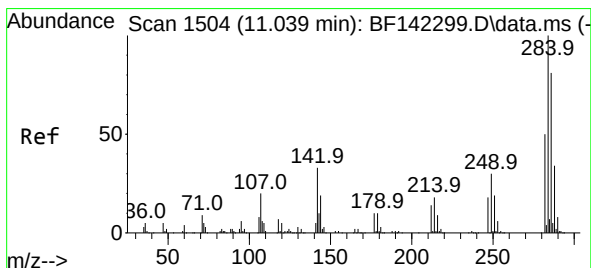
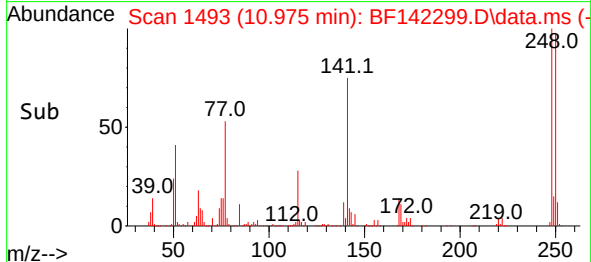
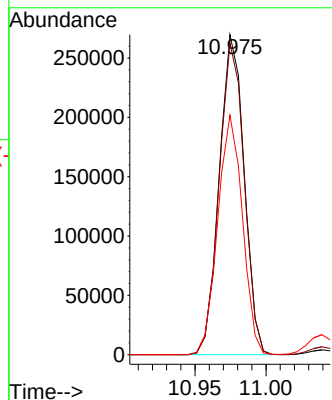
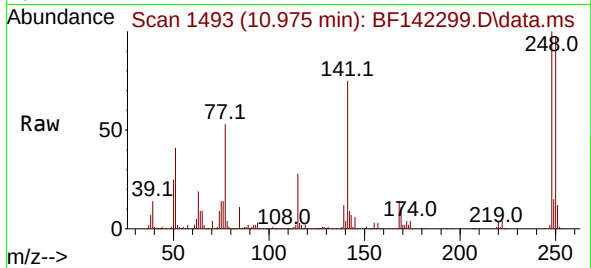




#67
4-Bromophenyl-phenylether
Concen: 38.106 ng
RT: 10.975 min Scan# 1493
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

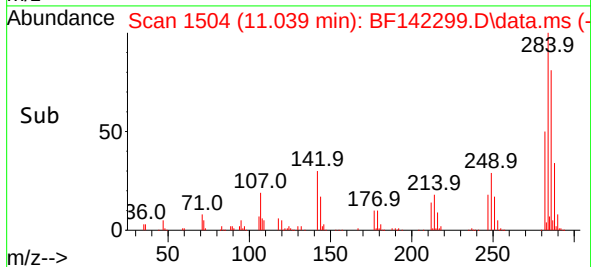
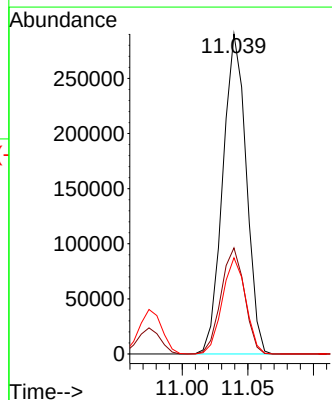
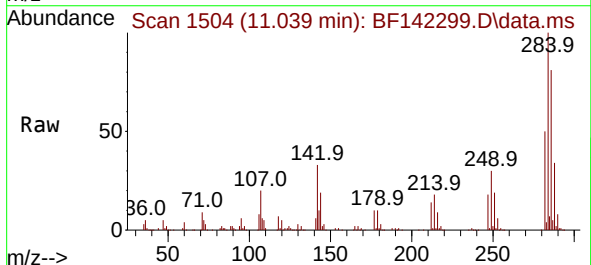
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

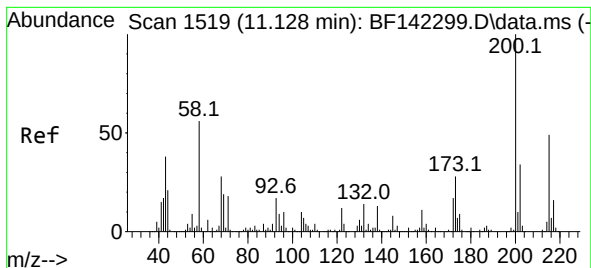
Tgt Ion:248 Resp: 328625
Ion Ratio Lower Upper
248 100
250 97.4 77.9 116.9
141 74.8 59.8 89.8



#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# 1519

Delta R.T. 0.000 min

Lab File: BF142299.D

Acq: 05 May 2025 15:50

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

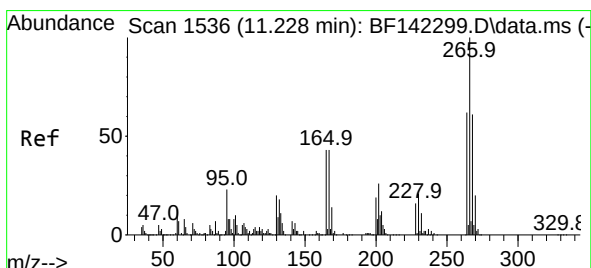
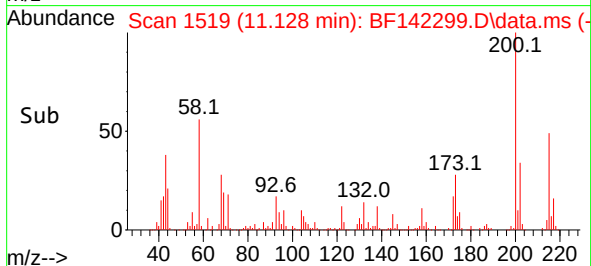
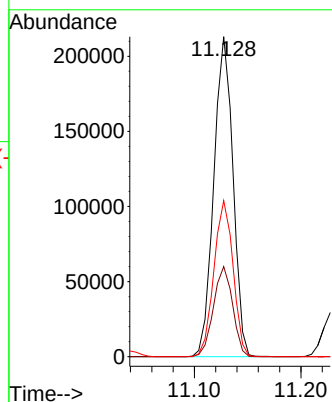
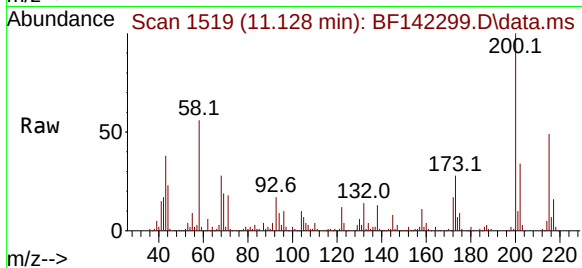
Tgt Ion:200 Resp: 265558

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

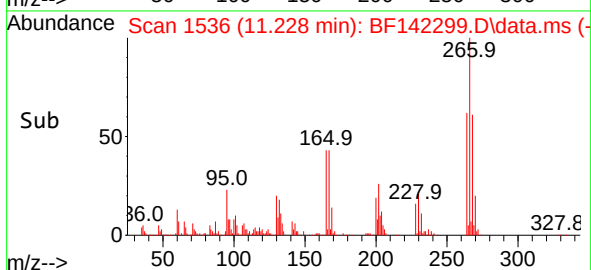
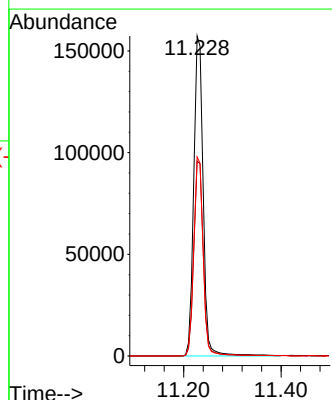
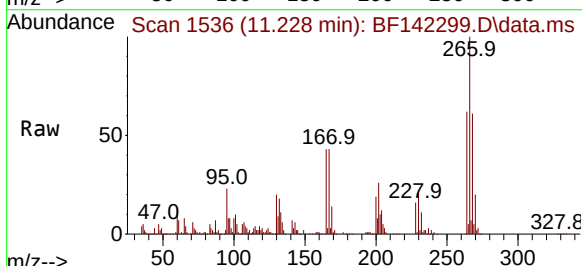
Tgt Ion:266 Resp: 211262

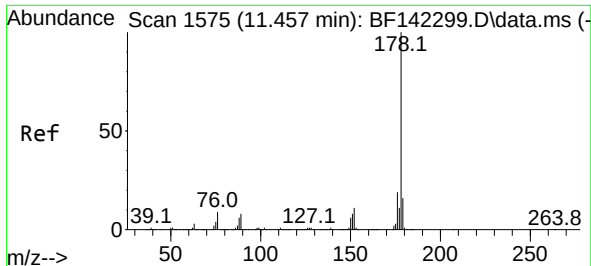
Ion Ratio Lower Upper

266 100

268 60.9 48.7 73.1

264 62.2 49.8 74.6

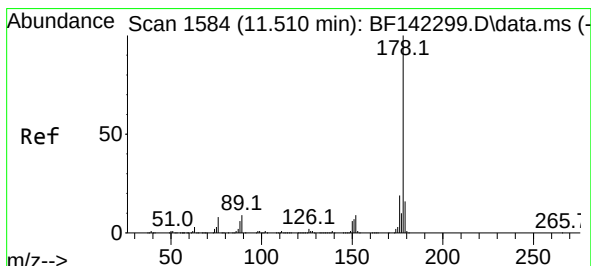
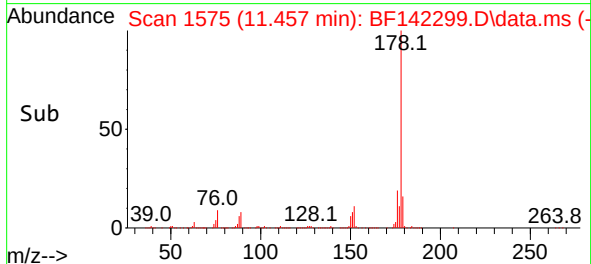
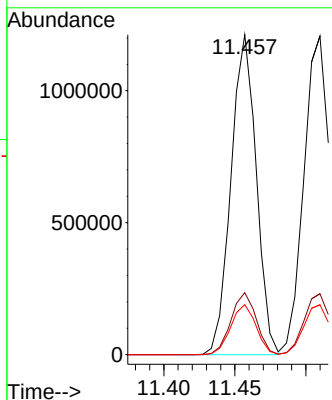
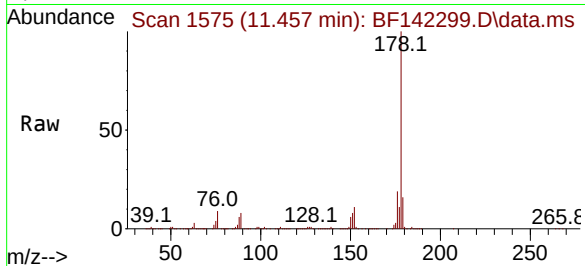




#71
Phenanthrene
Concen: 37.687 ng
RT: 11.457 min Scan# 1575
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

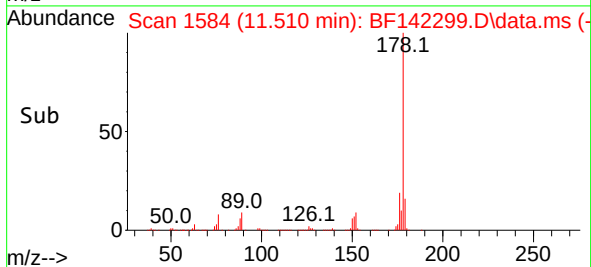
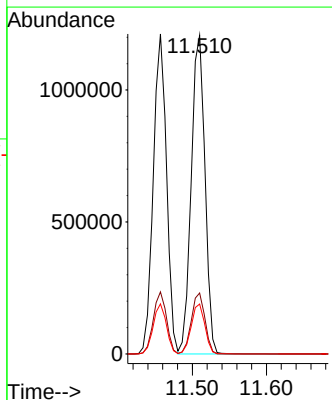
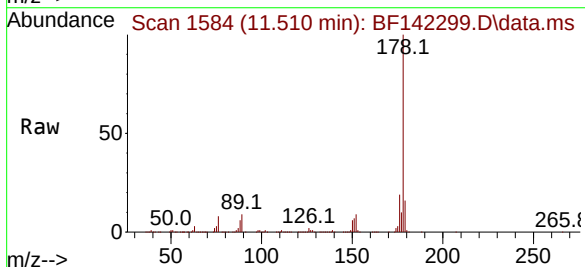
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

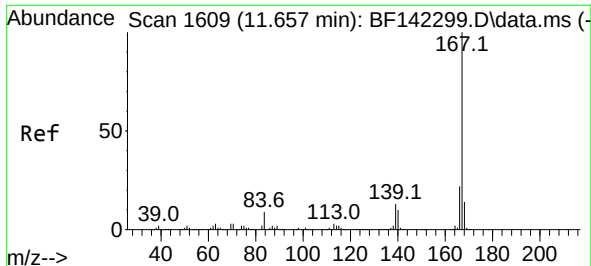
Tgt Ion:178 Resp: 1503192
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.7 12.6 18.8



#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



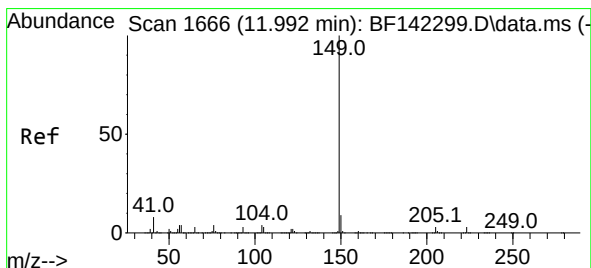
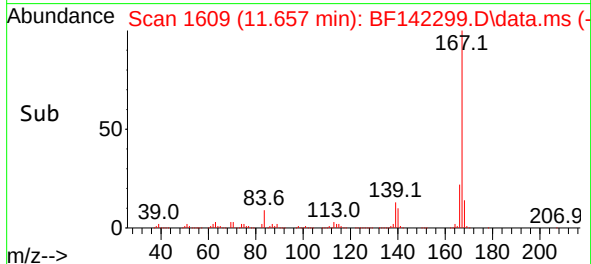
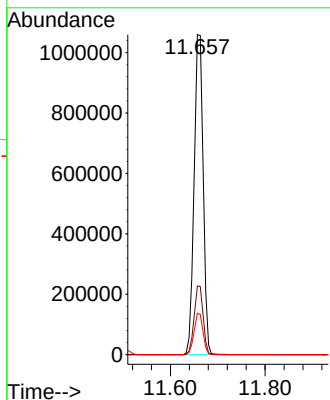
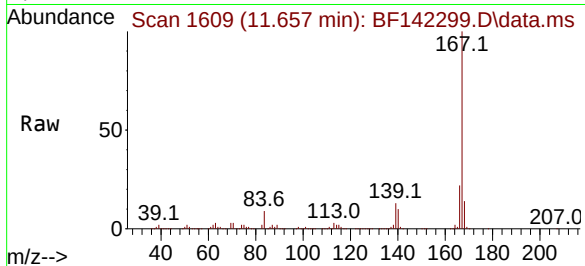


#73
 Carbazole
 Concen: 38.332 ng
 RT: 11.657 min Scan# 1609
 Delta R.T. 0.000 min
 Lab File: BF142299.D
 Acq: 05 May 2025 15:50

Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC040

Tgt Ion:167 Resp: 1409408

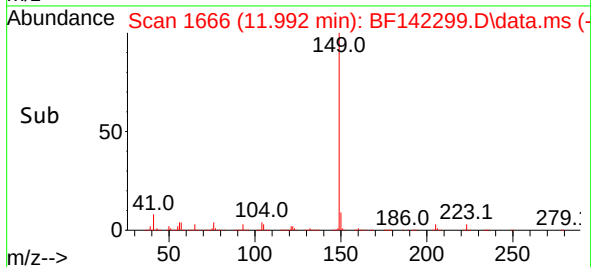
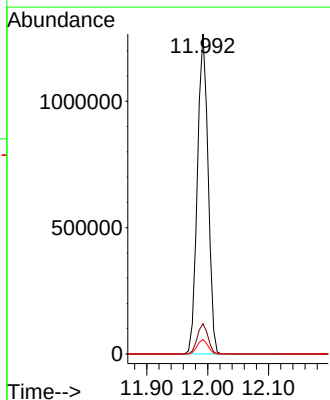
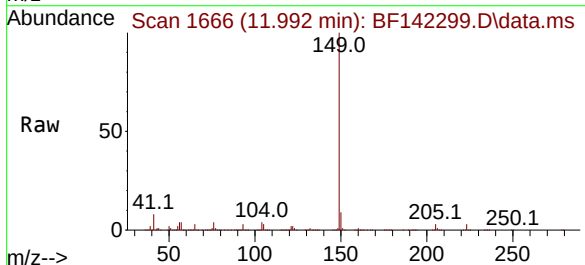
Ion	Ratio	Lower	Upper
167	100		
166	21.5	17.2	25.8
139	12.9	10.3	15.5

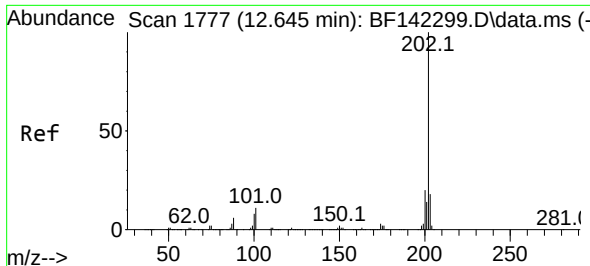


#74
 Di-n-butylphthalate
 Concen: 39.856 ng
 RT: 11.992 min Scan# 1666
 Delta R.T. 0.000 min
 Lab File: BF142299.D
 Acq: 05 May 2025 15:50

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

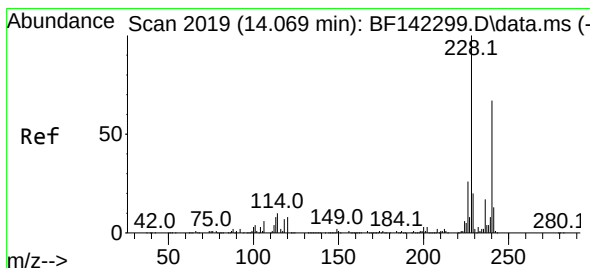
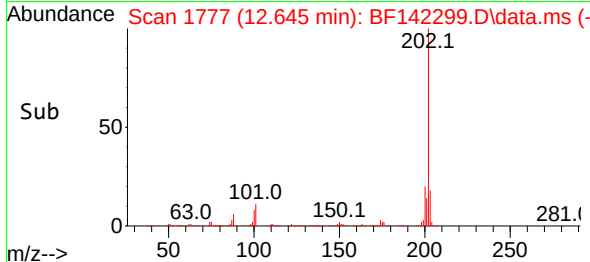
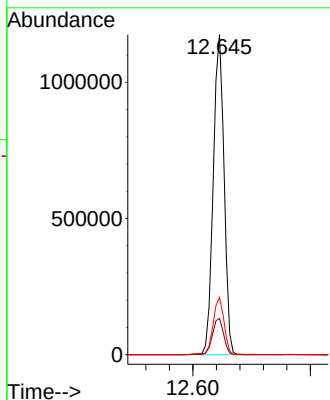
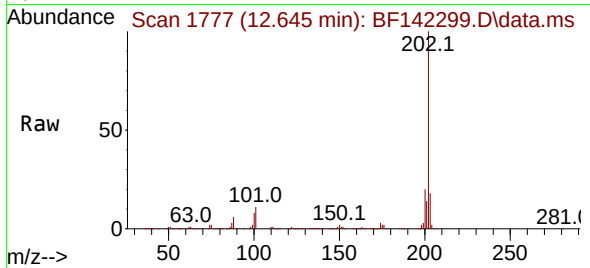




#75
Fluoranthene
Concen: 37.616 ng
RT: 12.645 min Scan# 1777
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

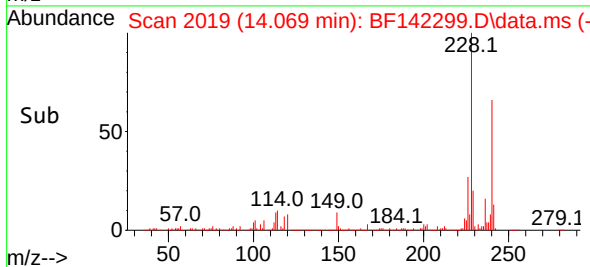
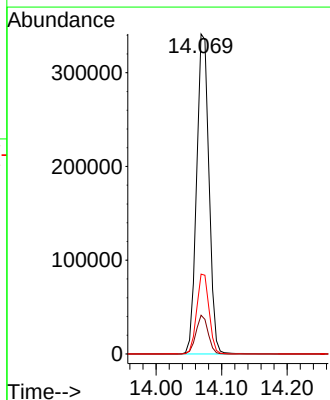
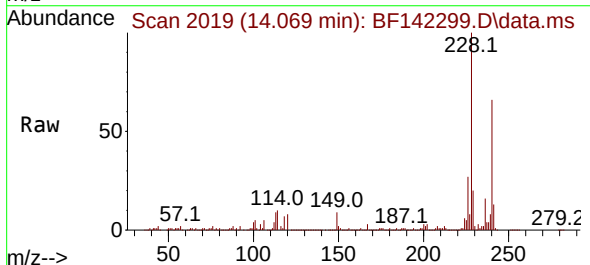
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

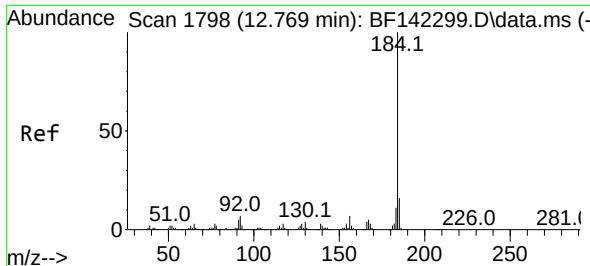
Tgt Ion:202 Resp: 1499802
Ion Ratio Lower Upper
202 100
101 11.4 0.0 31.4
203 17.9 0.0 37.9



#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

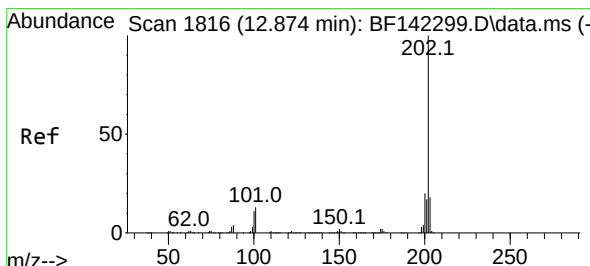
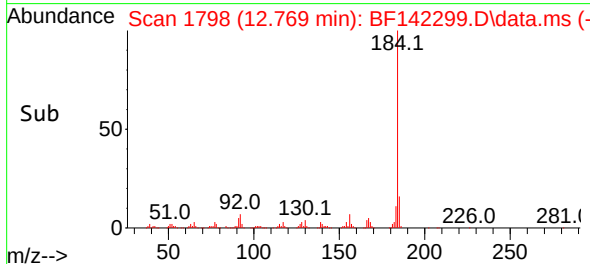
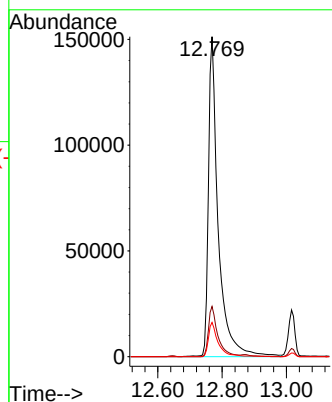
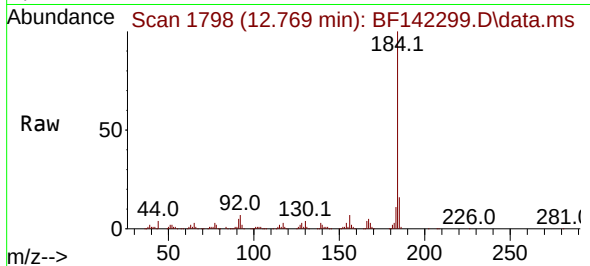




#77
Benzidine
Concen: 39.408 ng
RT: 12.769 min Scan# 1798
Delta R.T. -0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

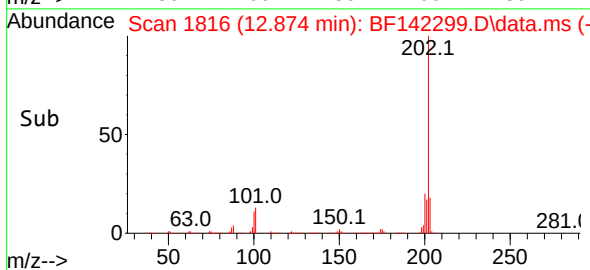
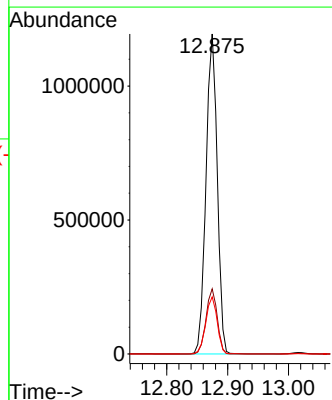
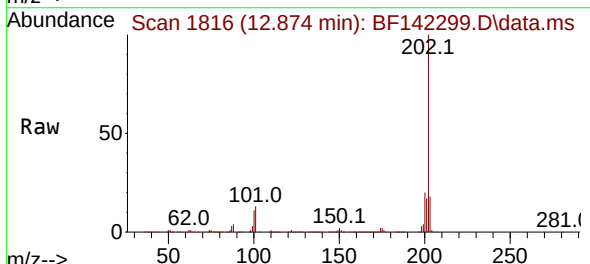
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

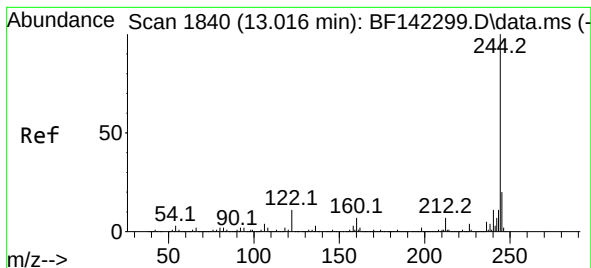
Tgt Ion:184 Resp: 321040
Ion Ratio Lower Upper
184 100
185 15.7 12.6 18.8
183 10.7 8.6 12.8



#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# 1840

Delta R.T. 0.000 min

Lab File: BF142299.D

Acq: 05 May 2025 15:50

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

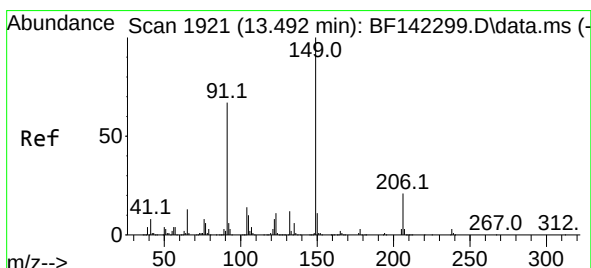
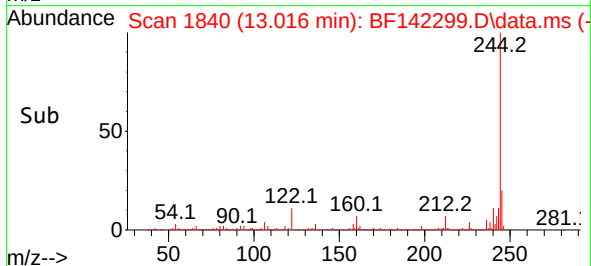
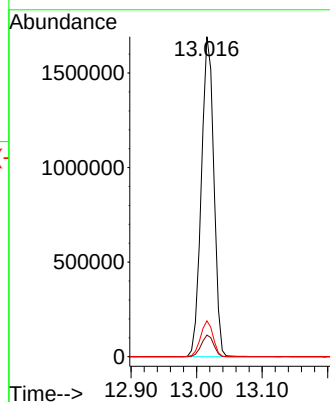
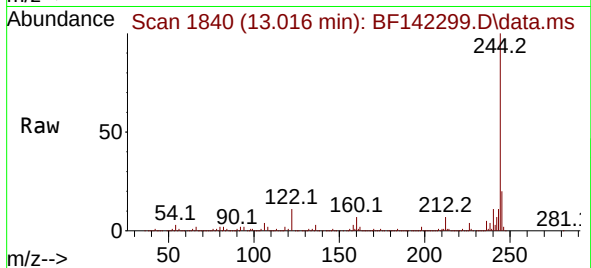
Tgt Ion:244 Resp: 2250335

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

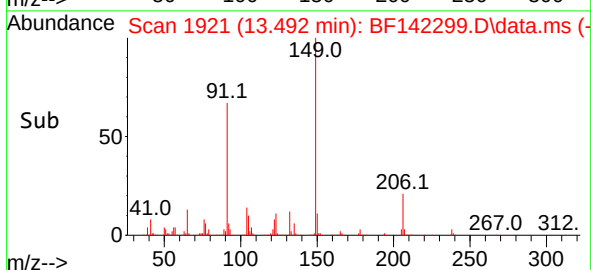
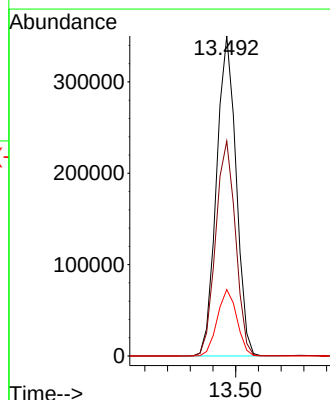
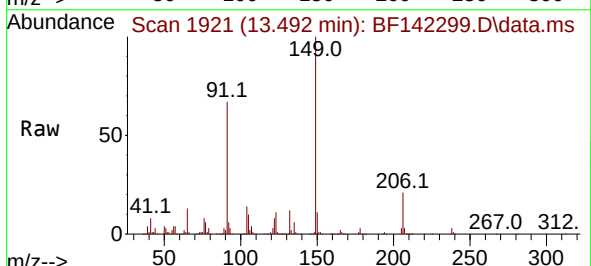
Tgt Ion:149 Resp: 420197

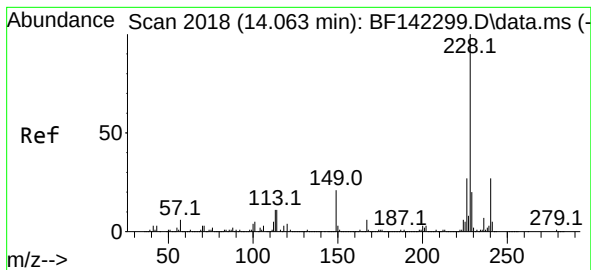
Ion Ratio Lower Upper

149 100

91 67.2 53.8 80.6

206 20.7 16.6 24.8

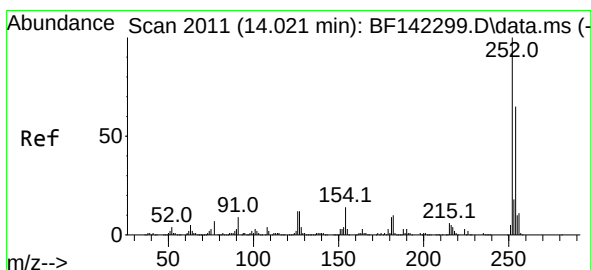
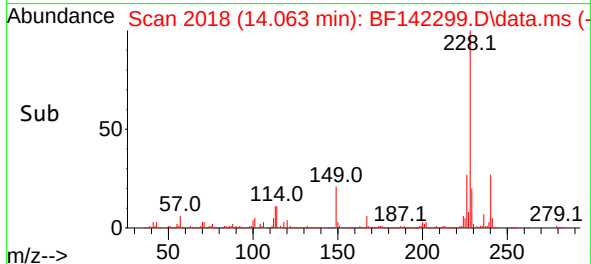
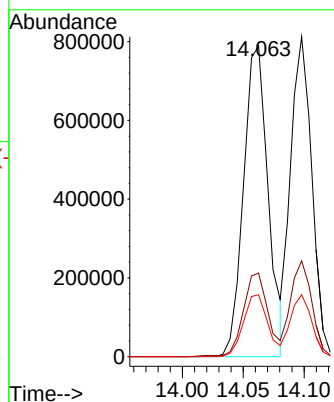
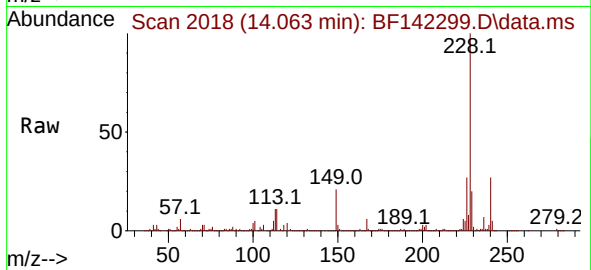




#81
Benzo(a)anthracene
Concen: 38.218 ng
RT: 14.063 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

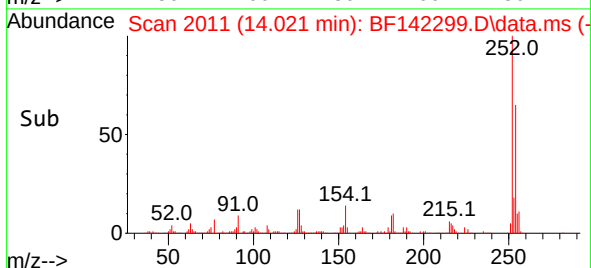
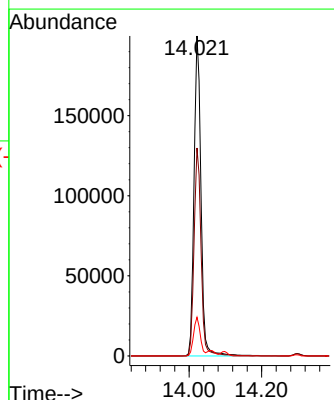
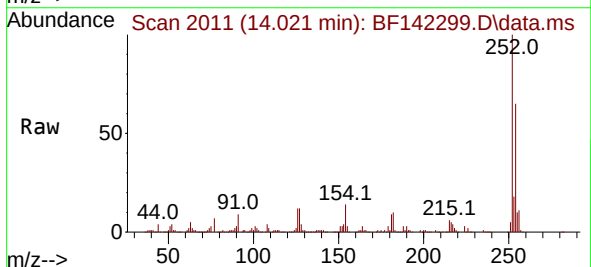
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

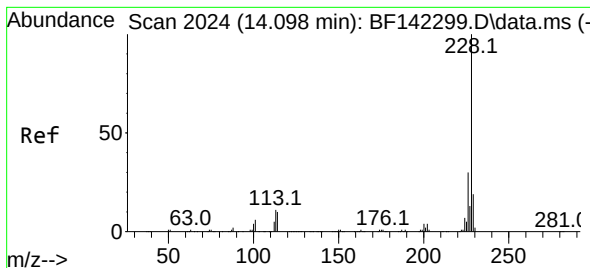
Tgt Ion:228 Resp: 1109518
Ion Ratio Lower Upper
228 100
226 26.9 21.5 32.3
229 19.9 15.9 23.9



#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# 2024

Delta R.T. 0.000 min

Lab File: BF142299.D

Acq: 05 May 2025 15:50

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

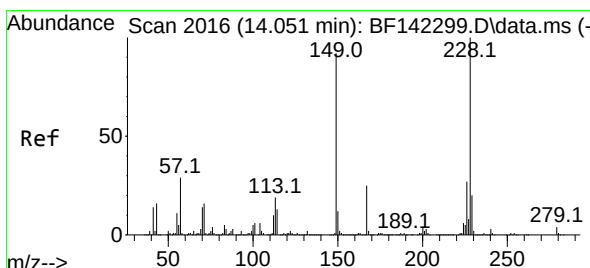
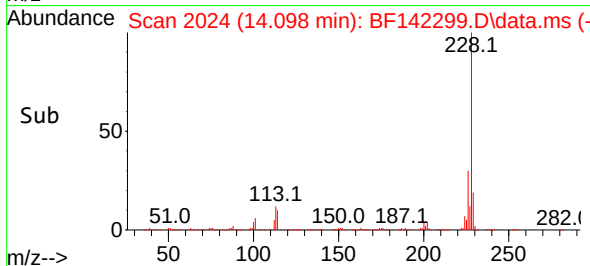
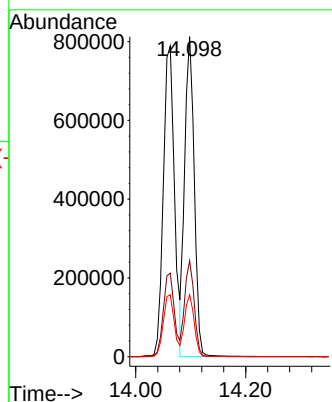
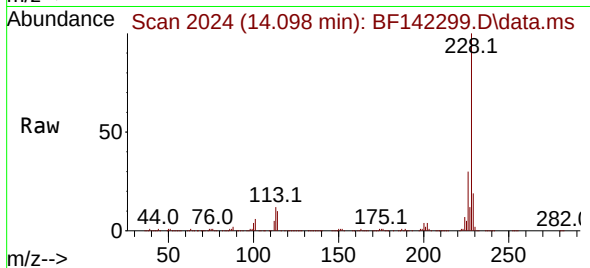
Tgt Ion:228 Resp: 989811

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

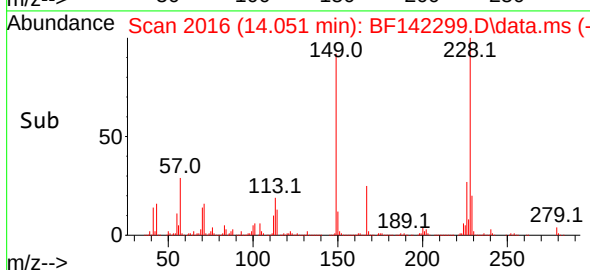
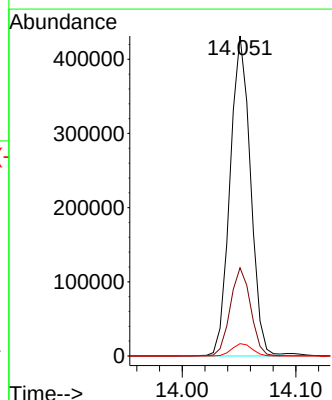
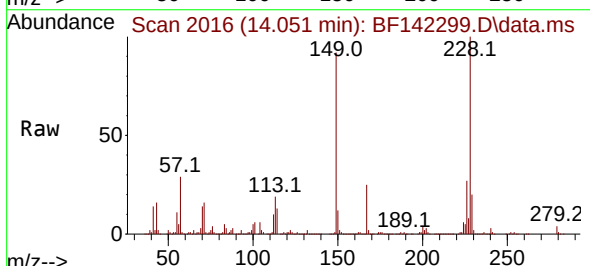
Tgt Ion:149 Resp: 539105

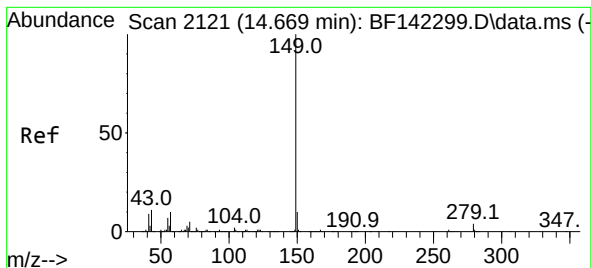
Ion Ratio Lower Upper

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# 2121

Delta R.T. -0.001 min

Lab File: BF142299.D

Acq: 05 May 2025 15:50

Instrument :

BNA_F

ClientSampleId :

SSTDICCC040

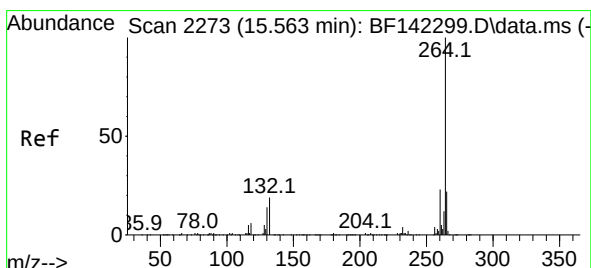
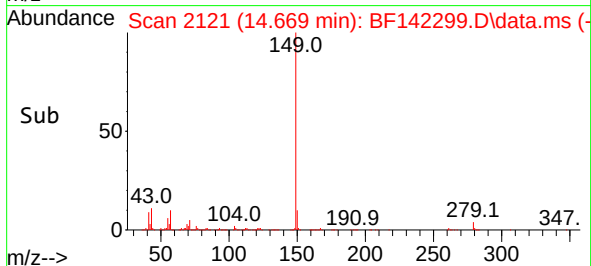
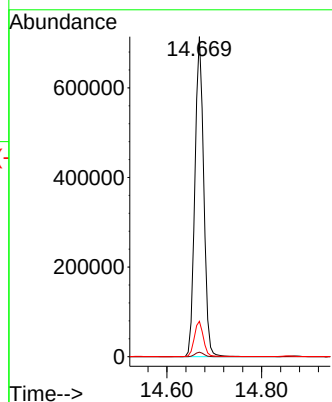
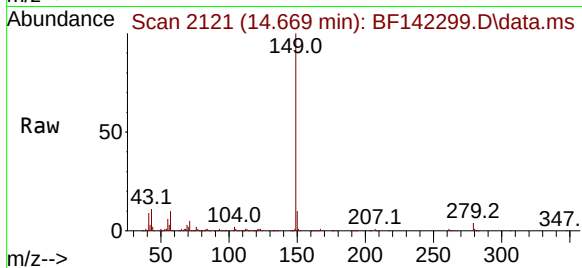
Tgt Ion:149 Resp: 922803

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

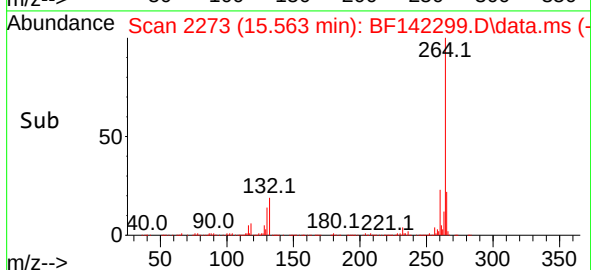
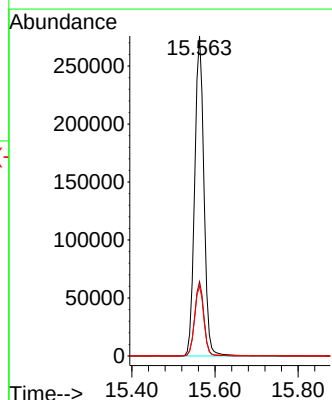
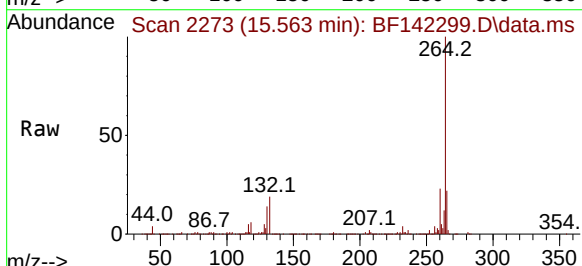
Tgt Ion:264 Resp: 426732

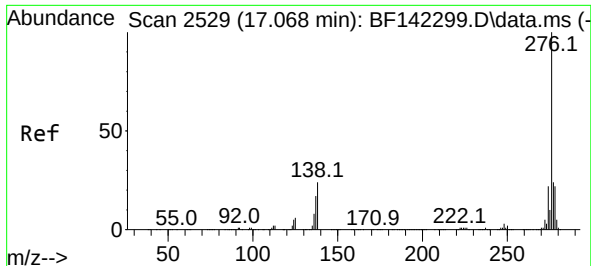
Ion Ratio Lower Upper

264 100

260 23.2 18.6 27.8

265 21.9 17.5 26.3

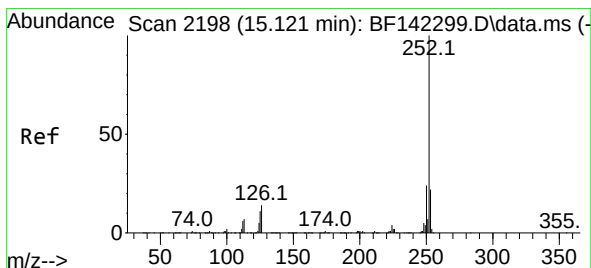
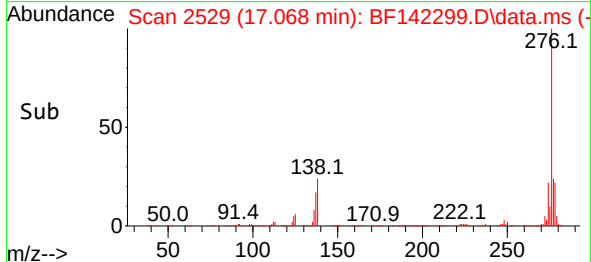
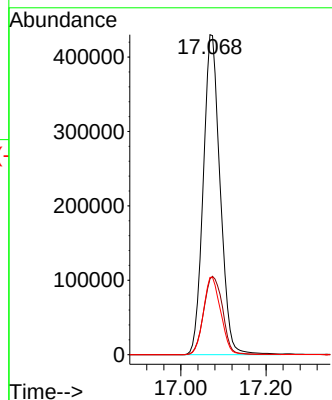
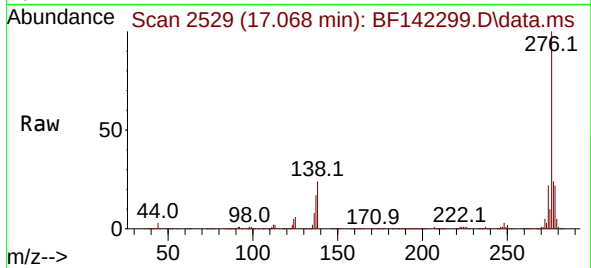




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 39.794 ng
 RT: 17.068 min Scan# 2198
 Delta R.T. 0.000 min
 Lab File: BF142299.D
 Acq: 05 May 2025 15:50

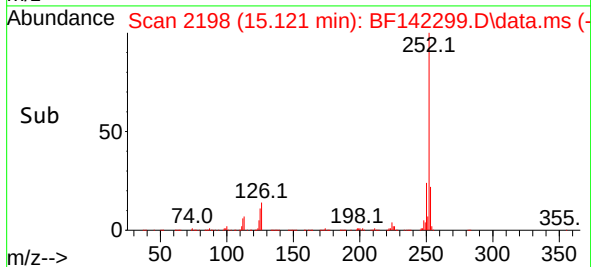
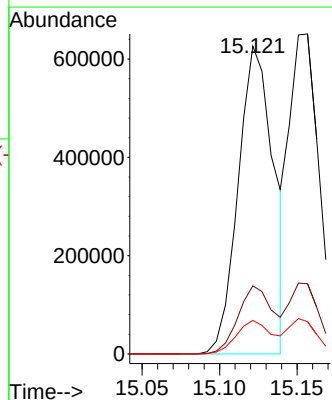
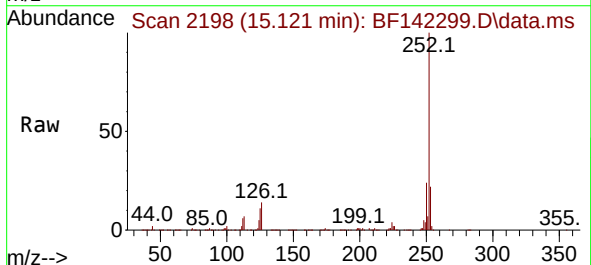
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC040

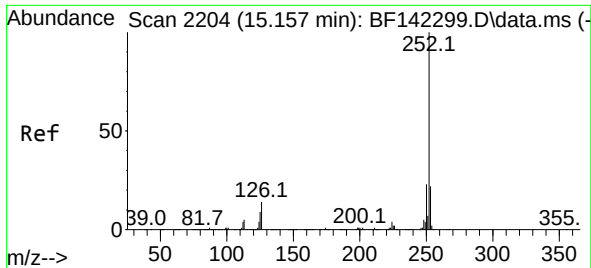
Tgt Ion:276 Resp: 1181269
 Ion Ratio Lower Upper
 276 100
 138 27.5 22.0 33.0
 277 25.1 20.1 30.1



#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

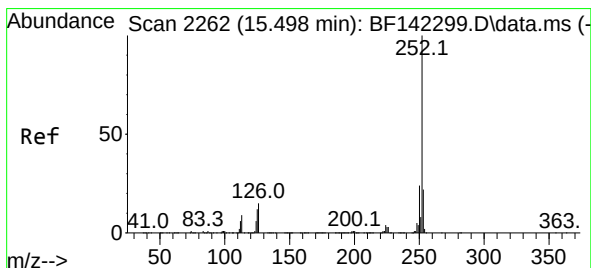
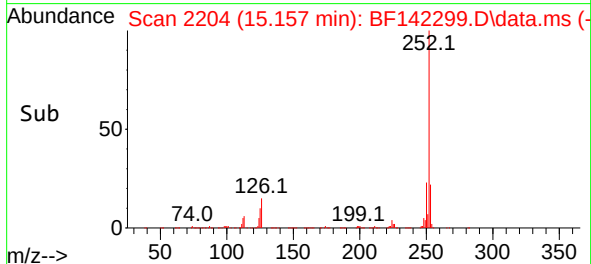
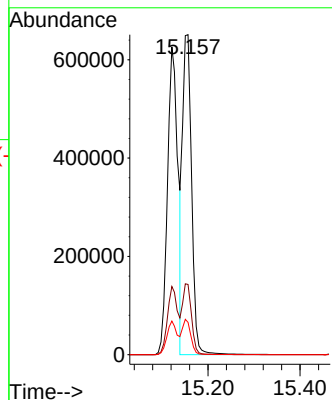
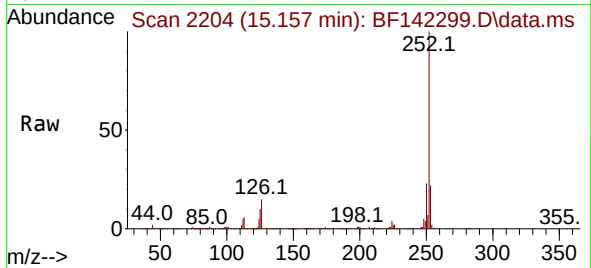




#89
Benzo(k)fluoranthene
Concen: 37.546 ng
RT: 15.157 min Scan# 2204
Delta R.T. 0.000 min
Lab File: BF142299.D
Acq: 05 May 2025 15:50

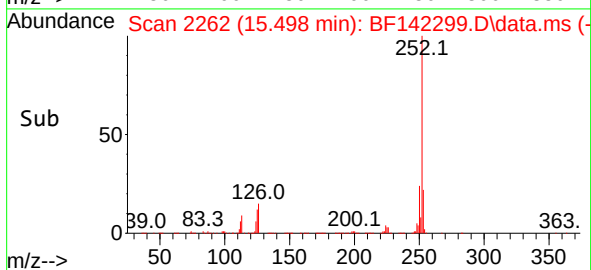
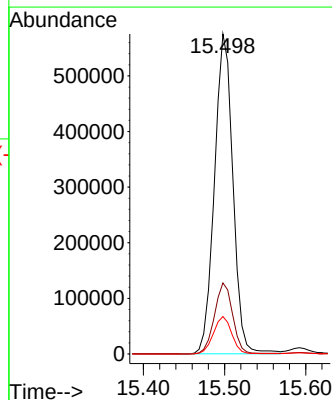
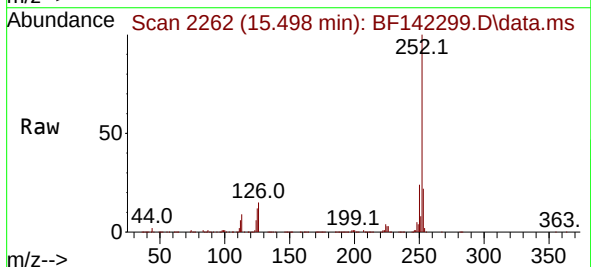
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BNA_F
ClientSampleId :
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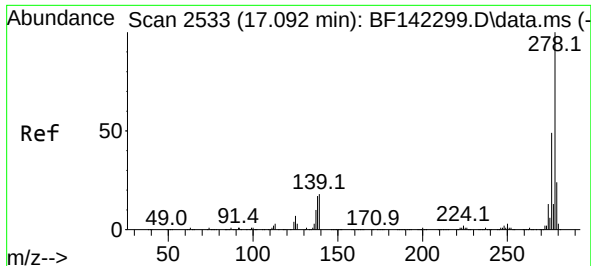
Tgt Ion:252 Resp: 888026
Ion Ratio Lower Upper
252 100
253 22.0 17.6 26.4
125 10.1 8.1 12.1



#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

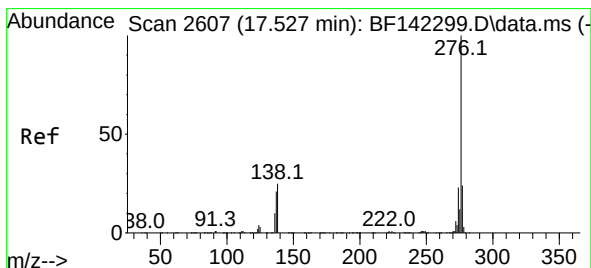
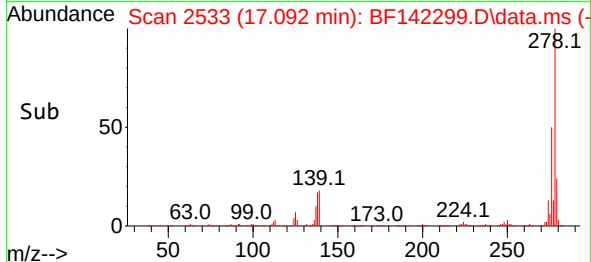
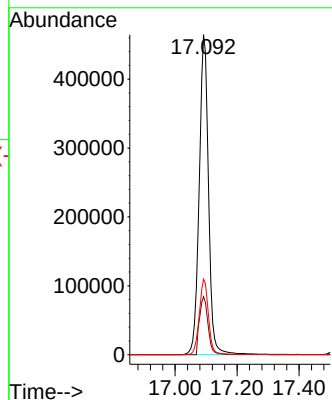
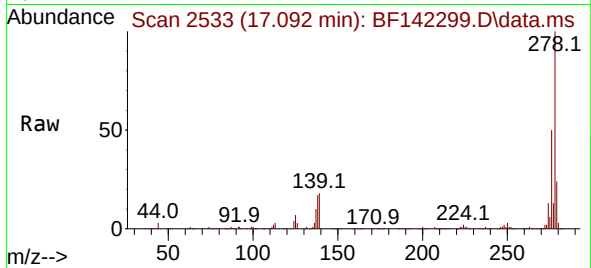




#91
 Dibenzo(a,h)anthracene
 Concen: 39.578 ng
 RT: 17.092 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: BF142299.D
 Acq: 05 May 2025 15:50

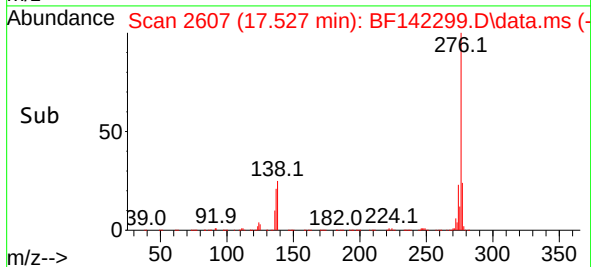
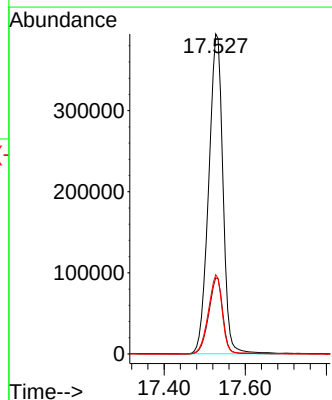
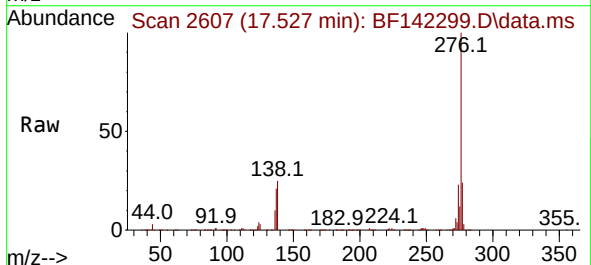
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICCC040

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



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

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

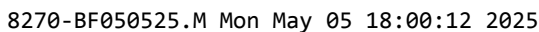
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 ClientSampleId :
 SSTDICC050

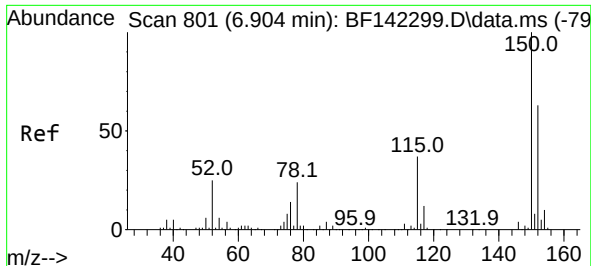
Quant Time: May 05 18:00:01 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 05 17:44:56 2025
 Response via : Initial Calibration

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

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

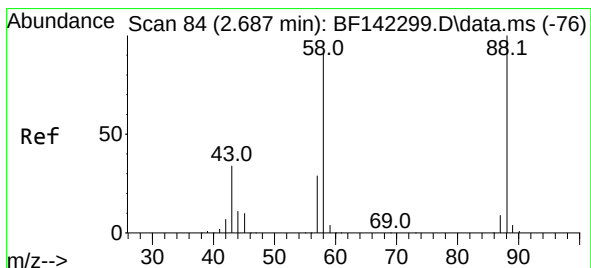
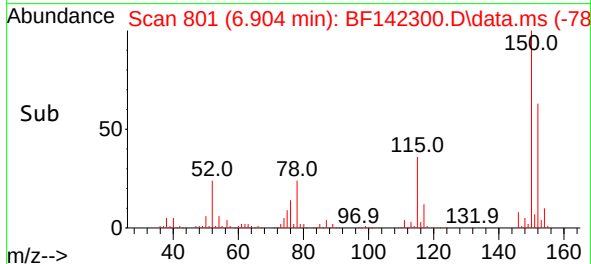
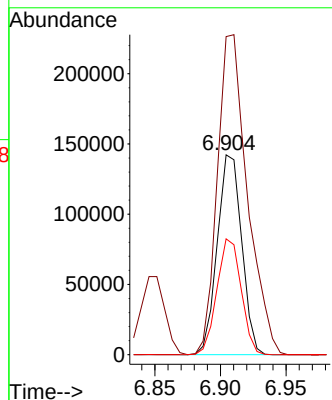
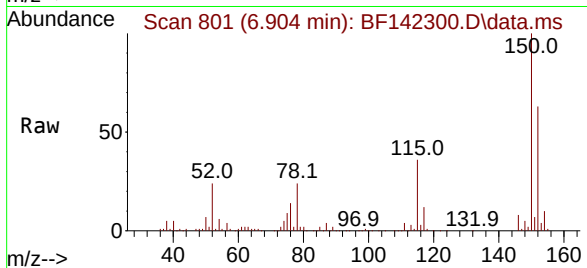




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.904 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: BF142300.D
 Acq: 05 May 2025 16:18

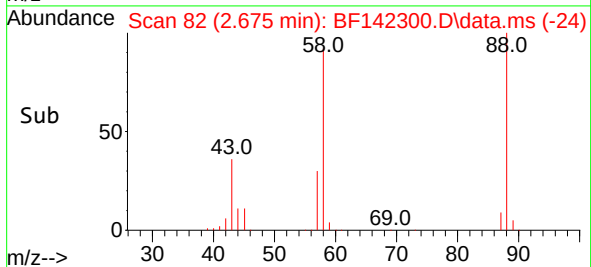
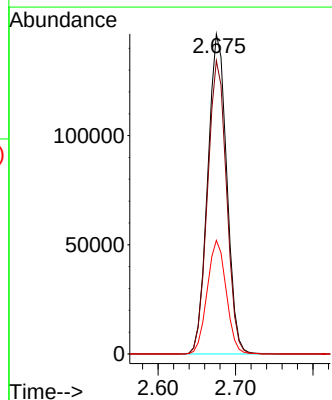
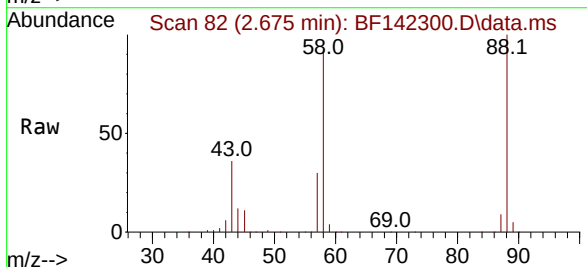
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

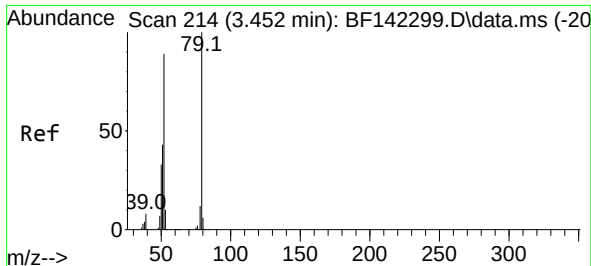
Tgt Ion:152 Resp: 184142
 Ion Ratio Lower Upper
 152 100
 150 159.2 126.6 190.0
 115 57.9 47.3 70.9



#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

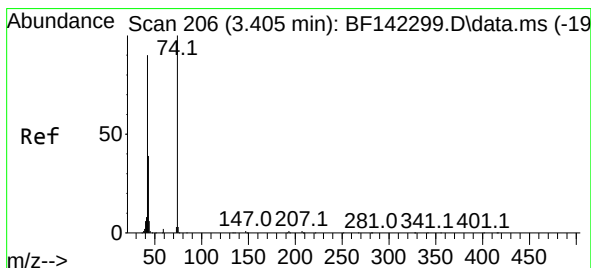
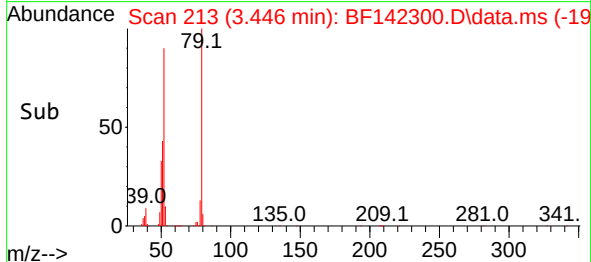
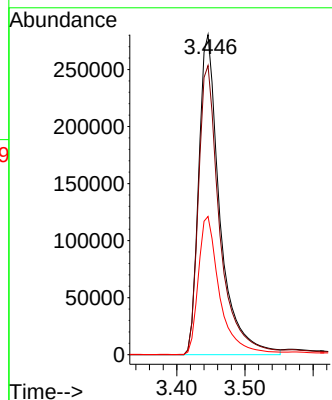
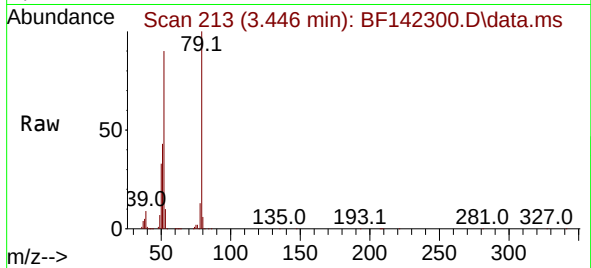




#3
Pyridine
Concen: 52.856 ng
RT: 3.446 min Scan# 214
Delta R.T. -0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

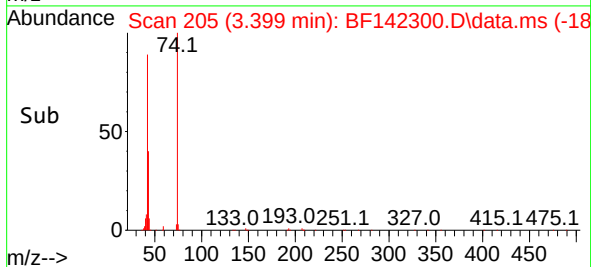
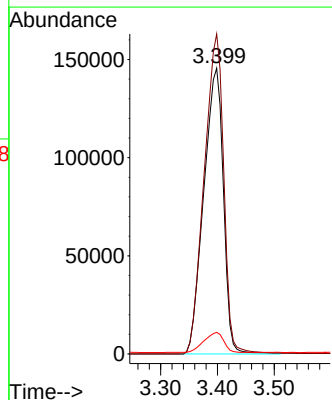
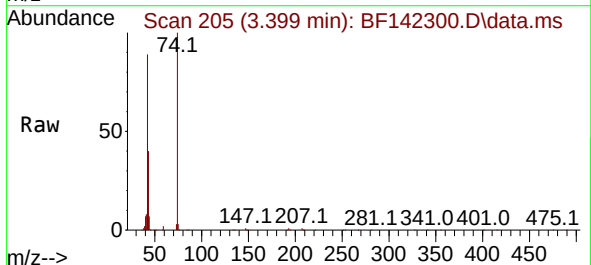
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

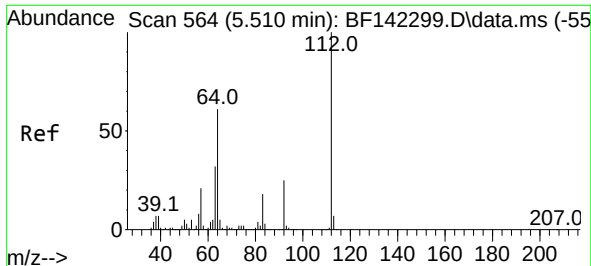
Tgt Ion: 79 Resp: 603723
Ion Ratio Lower Upper
79 100
52 90.4 71.0 106.4
51 43.2 34.9 52.3



#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

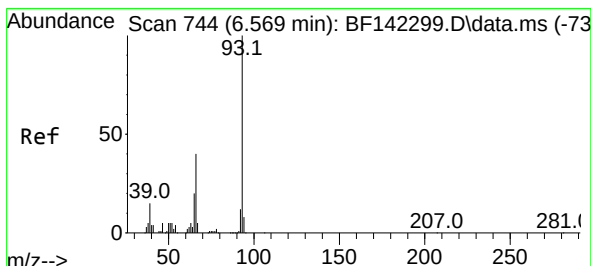
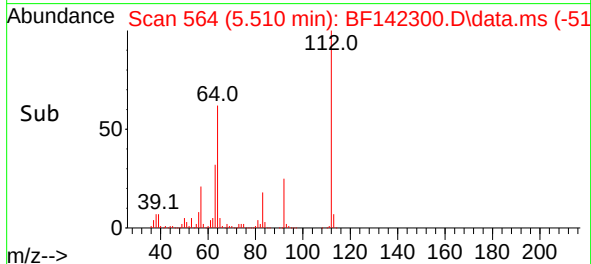
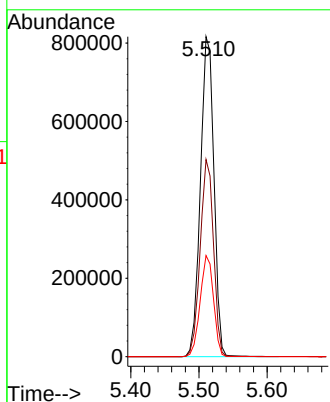
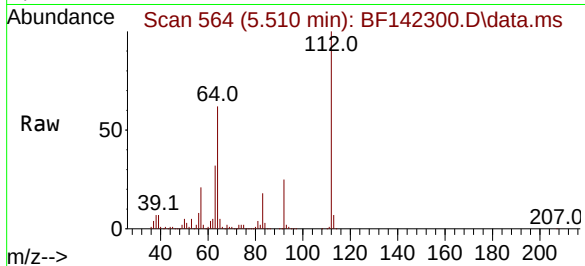




#5
2-Fluorophenol
Concen: 104.504 ng
RT: 5.510 min Scan# 564
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

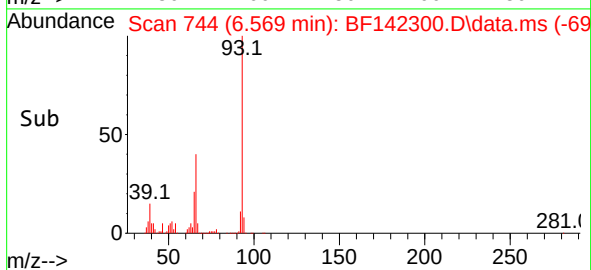
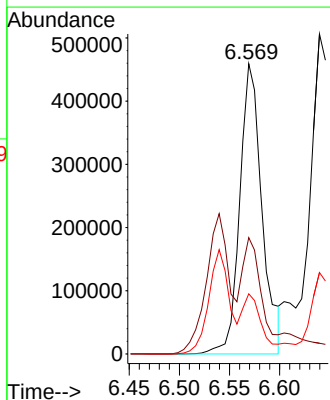
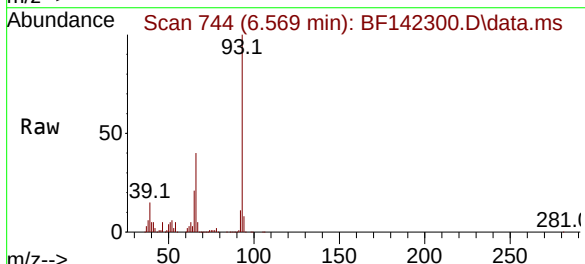
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

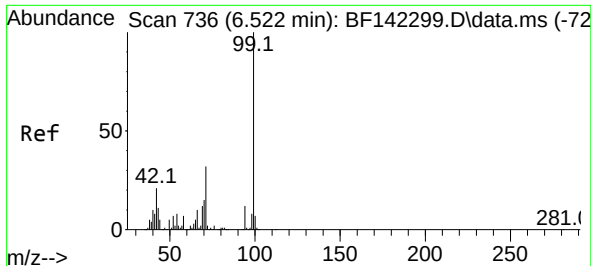
Tgt Ion:112 Resp: 1127279
Ion Ratio Lower Upper
112 100
64 61.6 48.9 73.3
63 31.6 25.6 38.4



#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



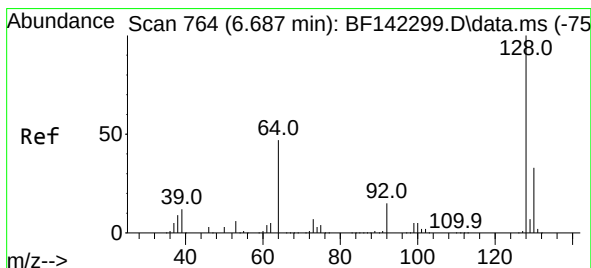
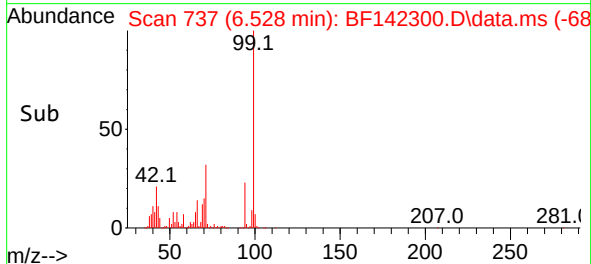
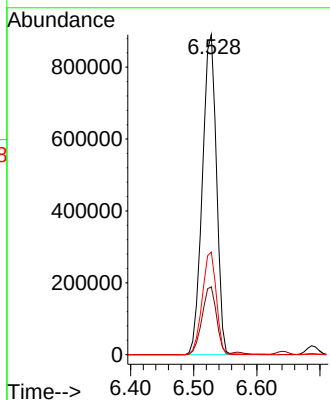
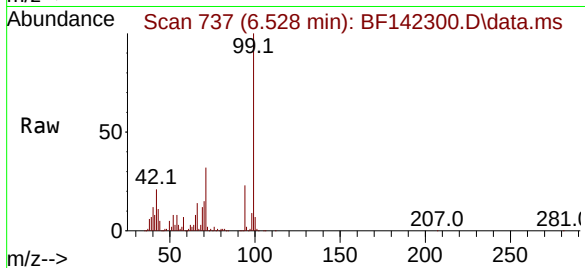


#7
Phenol-d6
Concen: 104.071 ng
RT: 6.528 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion: 99 Resp: 1380723

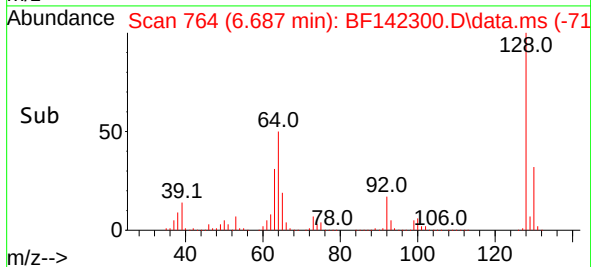
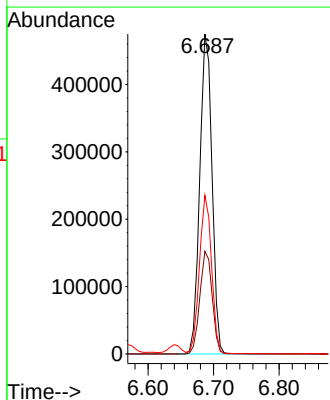
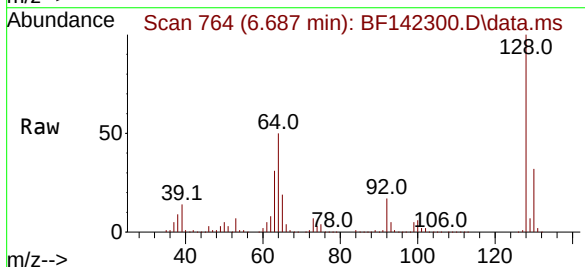
Ion	Ratio	Lower	Upper
99	100		
42	21.2	17.0	25.4
71	32.1	25.8	38.8

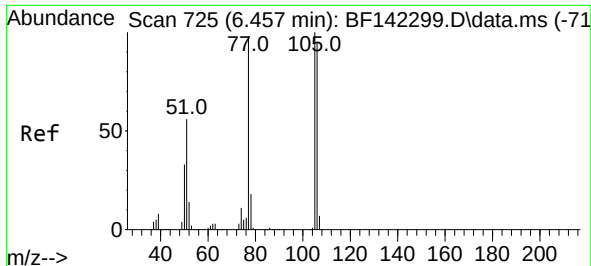


#8
2-Chlorophenol
Concen: 53.769 ng
RT: 6.687 min Scan# 764
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

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

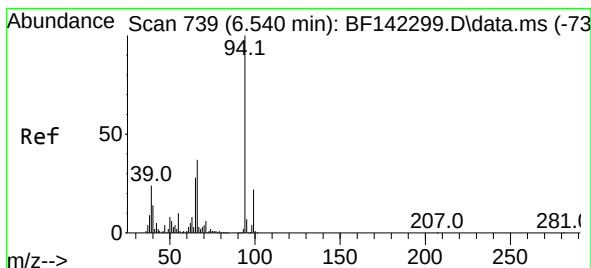
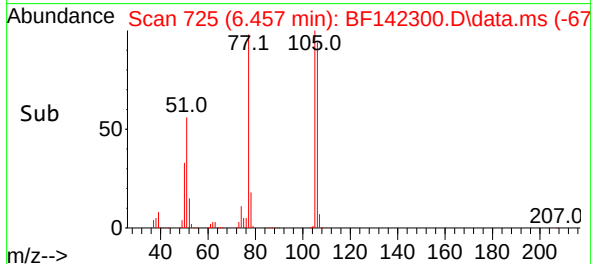
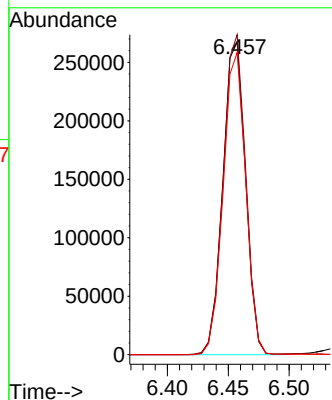
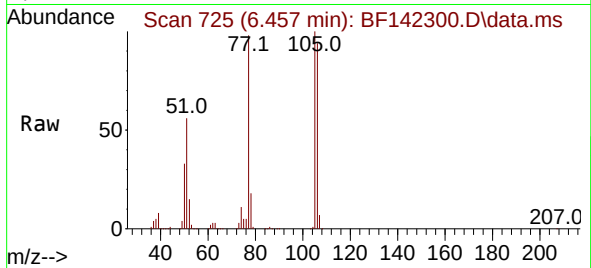




#9
Benzaldehyde
Concen: 44.591 ng
RT: 6.457 min Scan# 725
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

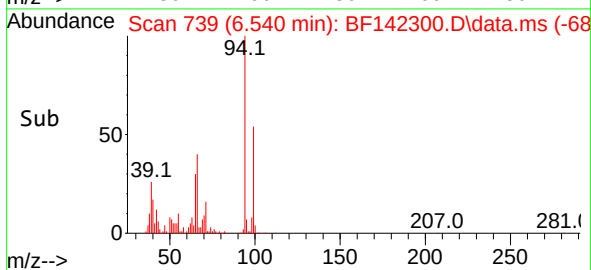
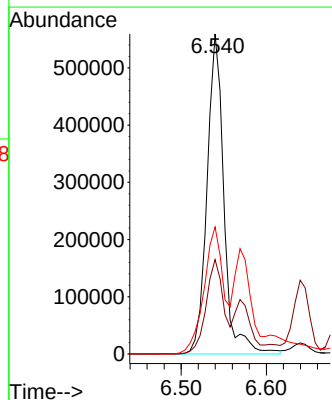
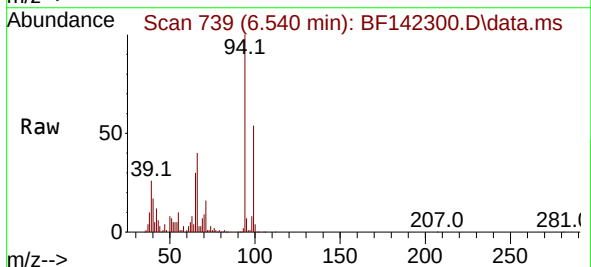
Instrument :
BNA_F
ClientSampleId :
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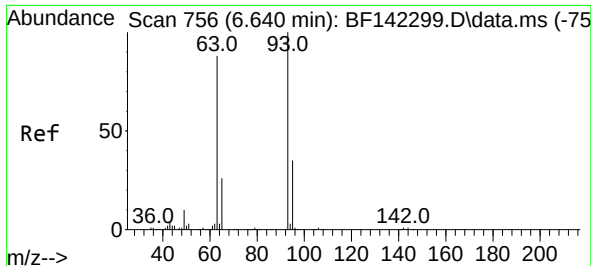
Tgt Ion: 77 Resp: 346249
Ion Ratio Lower Upper
77 100
105 102.3 82.0 122.0
106 96.6 77.2 117.2



#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# 756

Delta R.T. 0.000 min

Lab File: BF142300.D

Acq: 05 May 2025 16:18

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

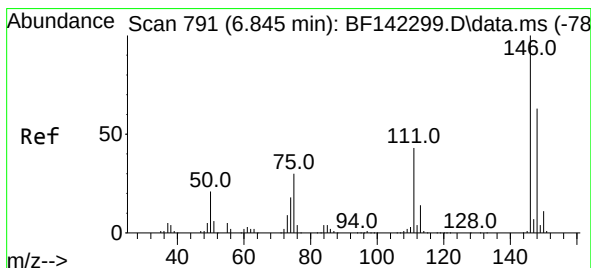
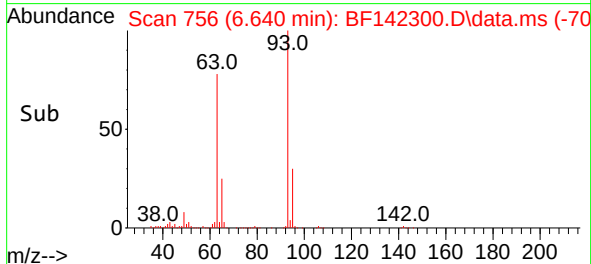
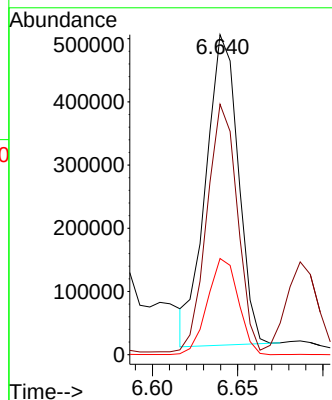
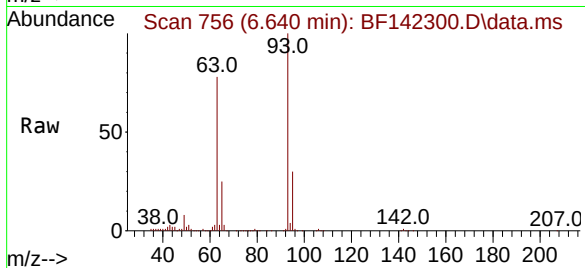
Tgt Ion: 93 Resp: 649715

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

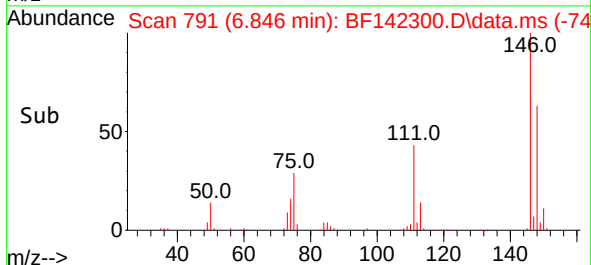
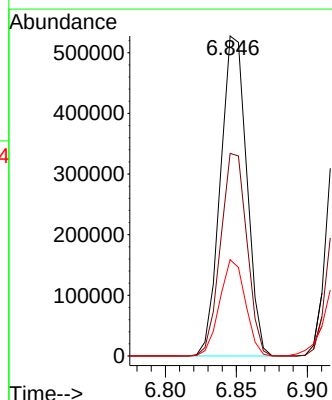
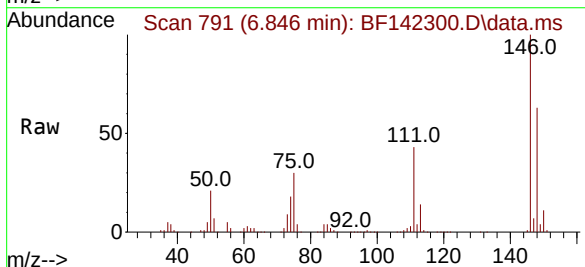
Tgt Ion:146 Resp: 679991

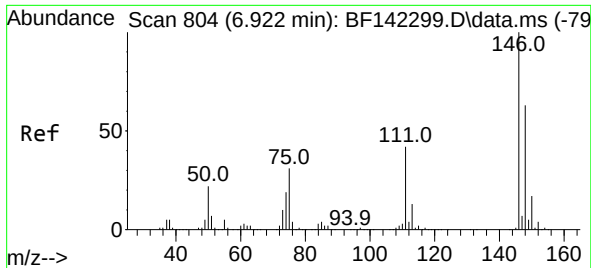
Ion Ratio Lower Upper

146 100

148 63.3 50.6 76.0

75 30.1 24.2 36.4

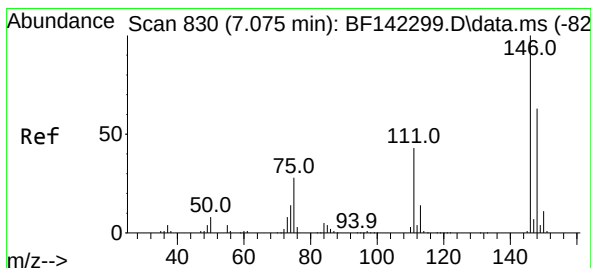
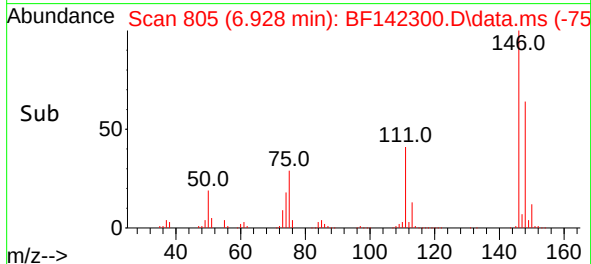
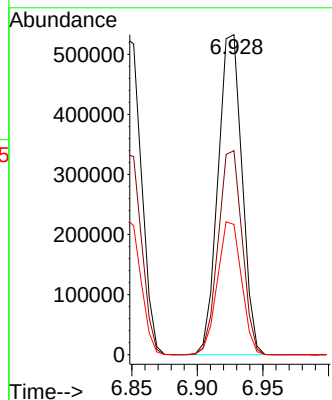
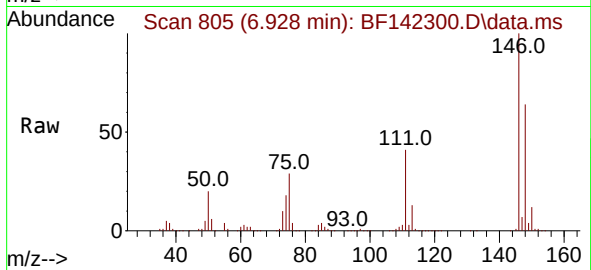




#13
1,4-Dichlorobenzene
Concen: 51.307 ng
RT: 6.928 min Scan# 804
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

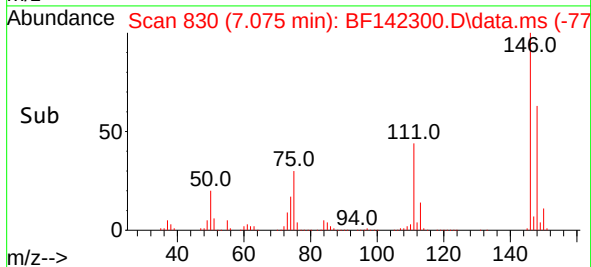
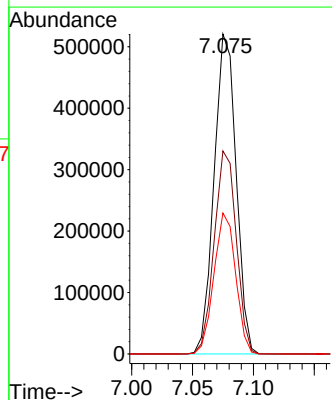
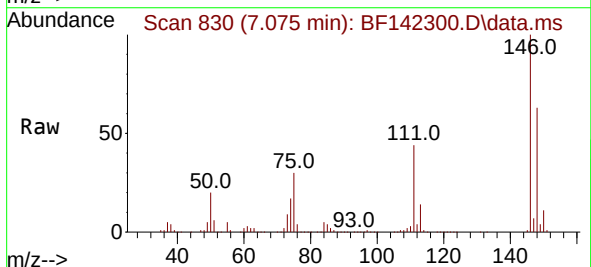
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

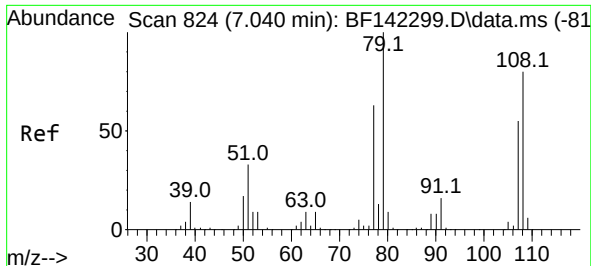
Tgt Ion:146 Resp: 679359
Ion Ratio Lower Upper
146 100
148 63.8 50.5 75.7
111 40.7 33.4 50.2



#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

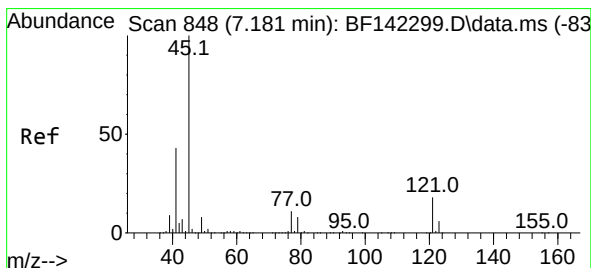
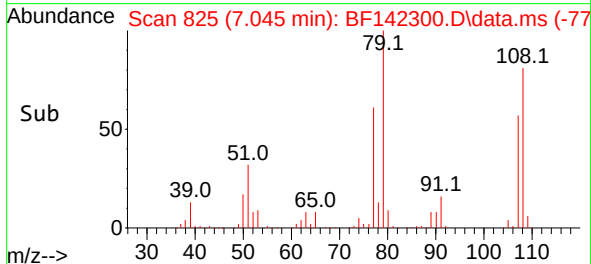
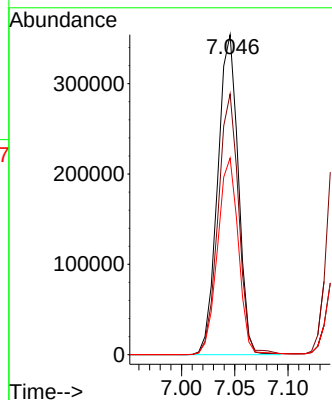
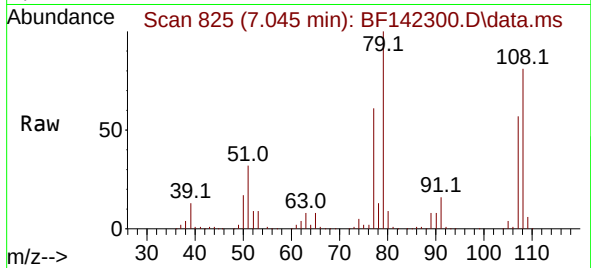




#15
Benzyl Alcohol
Concen: 55.210 ng
RT: 7.045 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

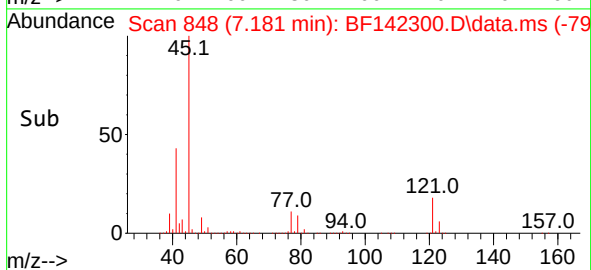
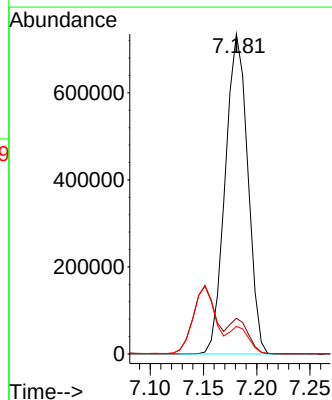
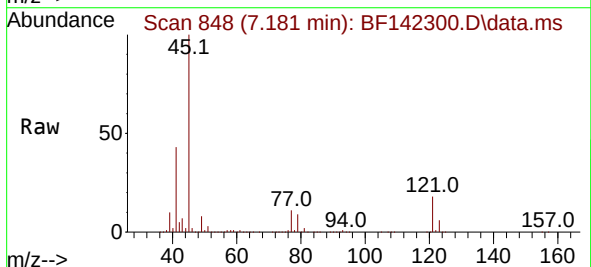
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

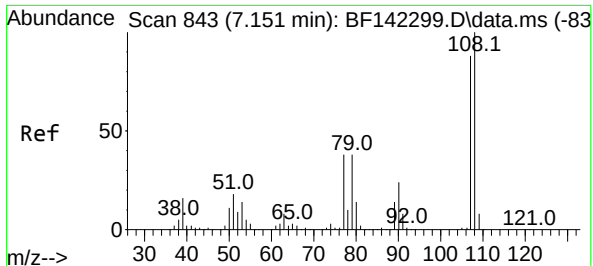
Tgt Ion: 79 Resp: 474305
Ion Ratio Lower Upper
79 100
108 81.5 63.9 95.9
77 61.4 50.7 76.1



#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

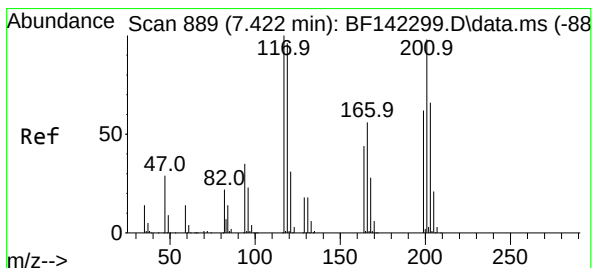
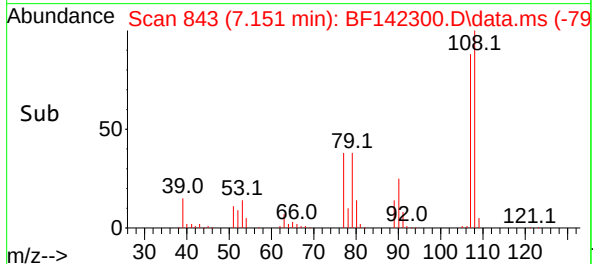
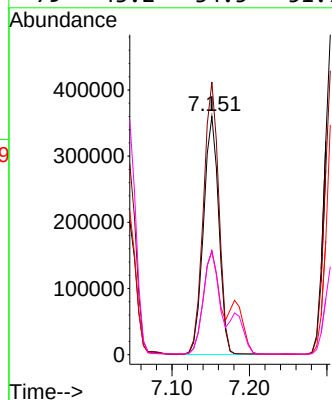
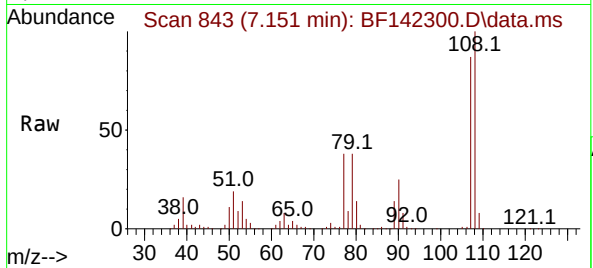




#17
2-Methylphenol
Concen: 52.792 ng
RT: 7.151 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

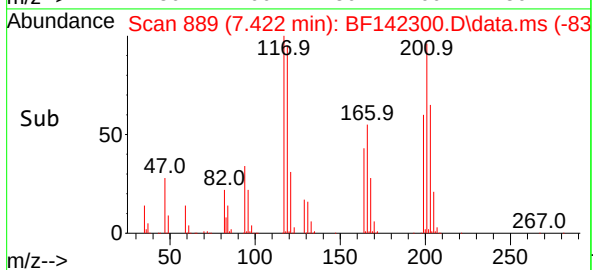
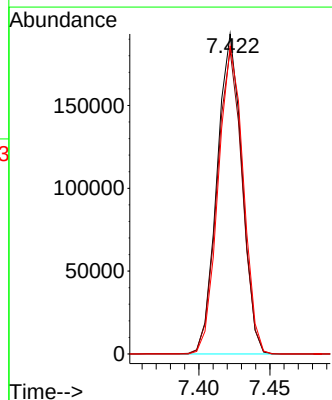
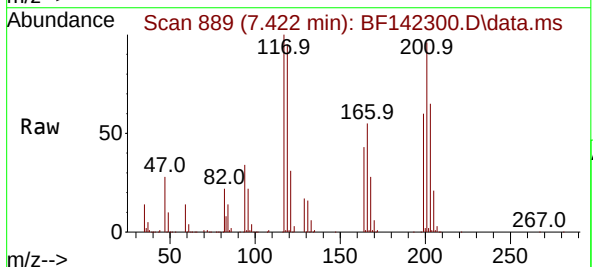
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

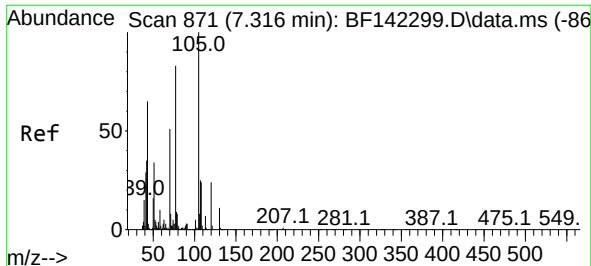
Tgt Ion:107 Resp: 492676
Ion Ratio Lower Upper
107 100
108 114.4 91.1 136.7
77 43.7 34.7 52.1
79 43.2 34.5 51.7



#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

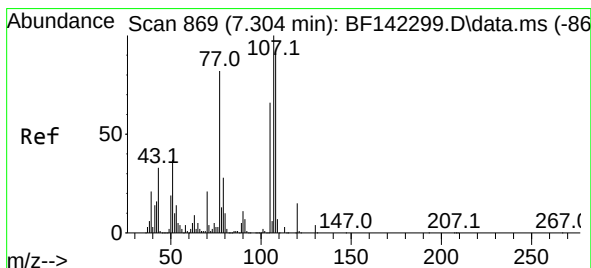
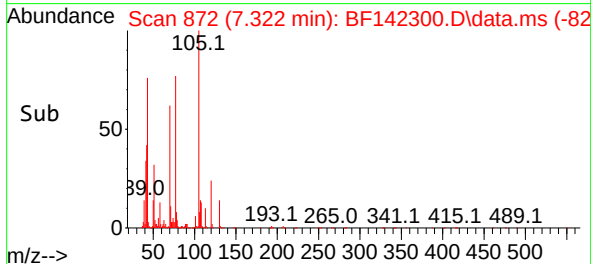
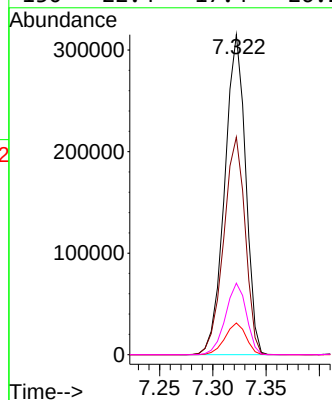
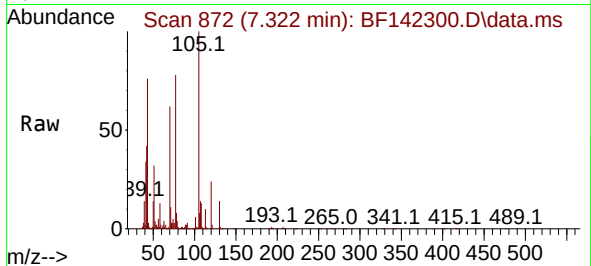




#19
n-Nitroso-di-n-propylamine
Concen: 52.324 ng
RT: 7.322 min Scan# 872
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

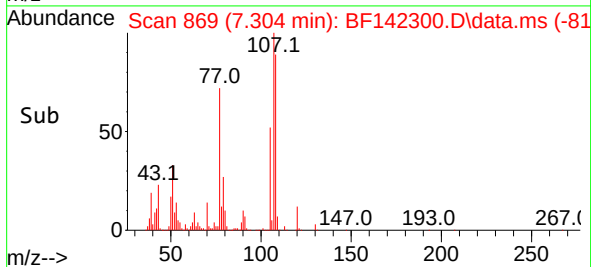
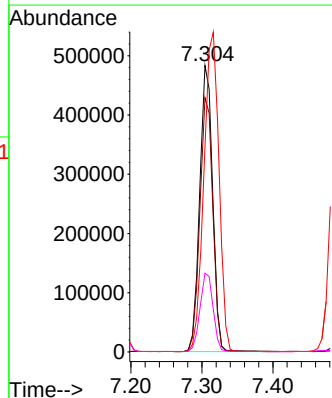
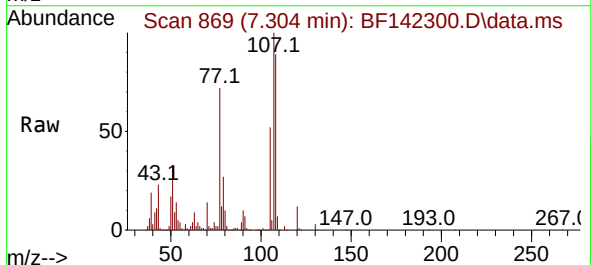
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

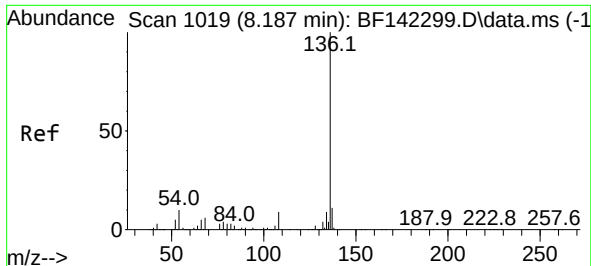
Tgt Ion: 70 Resp: 429402
Ion Ratio Lower Upper
70 100
42 68.0 54.8 82.2
101 9.9 7.7 11.5
130 22.4 17.4 26.2



#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

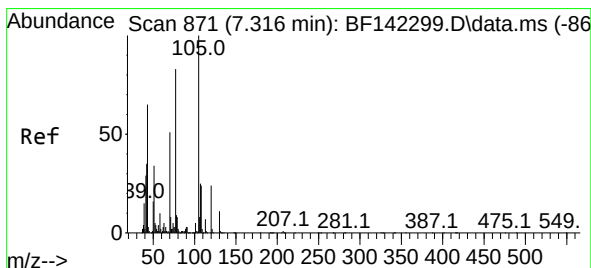
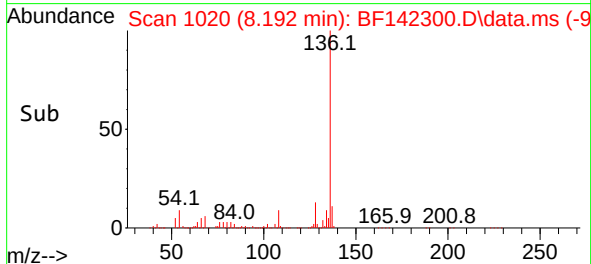
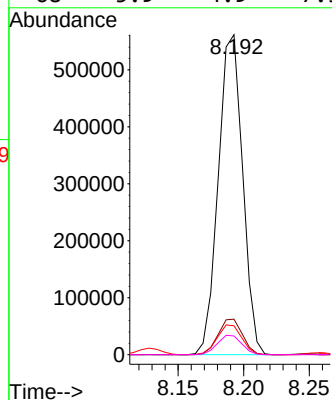
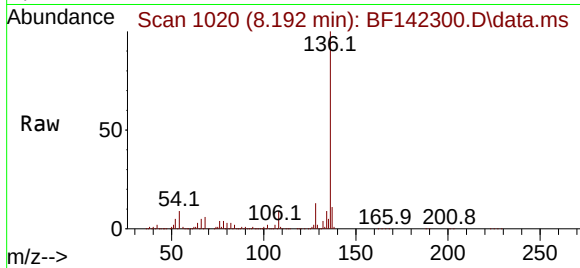




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.192 min Scan# 1019
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

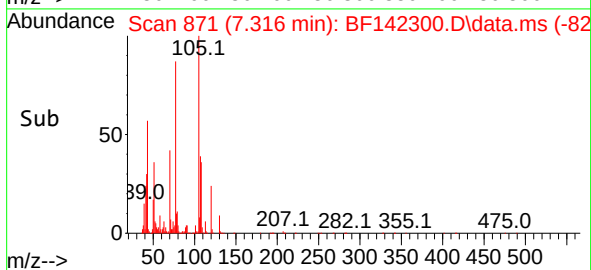
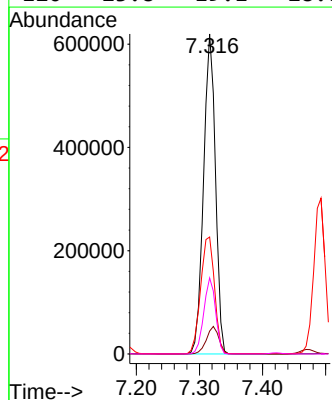
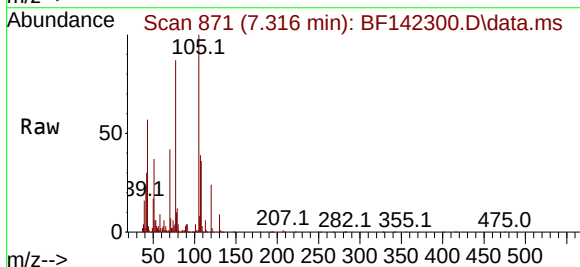
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

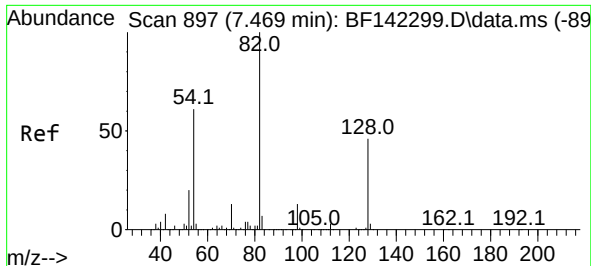
Tgt	Ion:136	Resp:	725434
Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.9	13.3
54	9.1	7.7	11.5
68	5.9	4.9	7.3



#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# 89

Delta R.T. 0.000 min

Lab File: BF142300.D

Acq: 05 May 2025 16:18

Instrument :

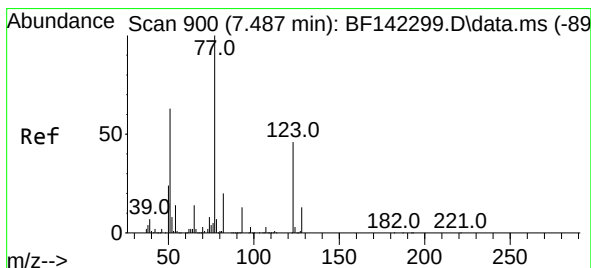
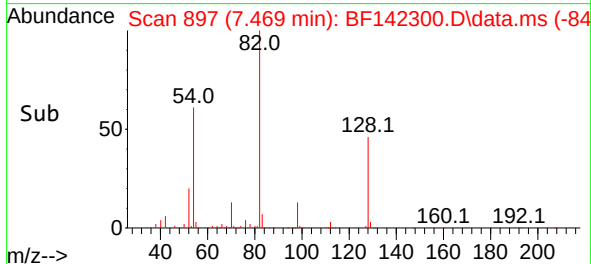
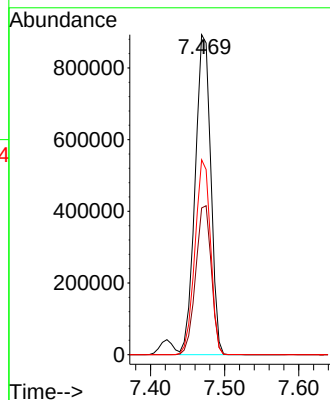
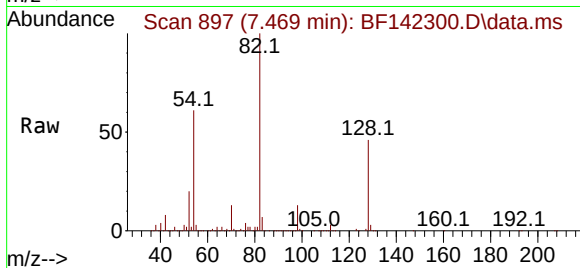
BNA_F

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

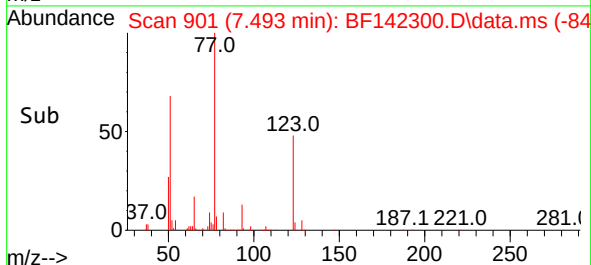
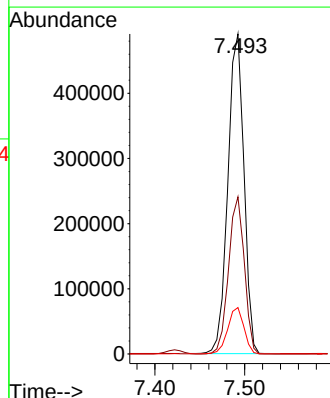
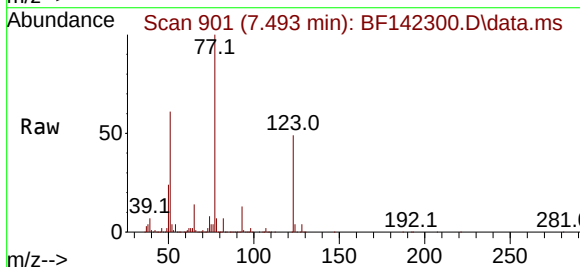
Delta R.T. 0.006 min

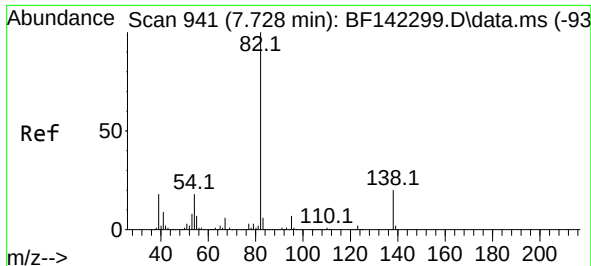
Lab File: BF142300.D

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

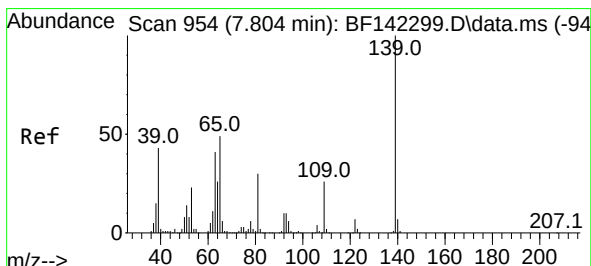
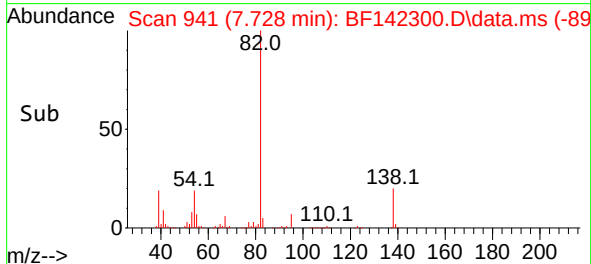
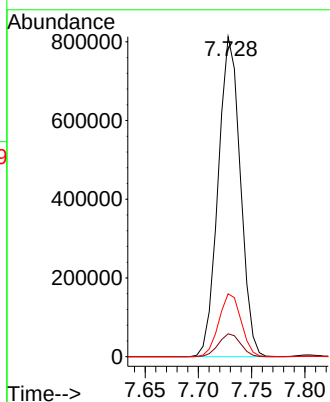
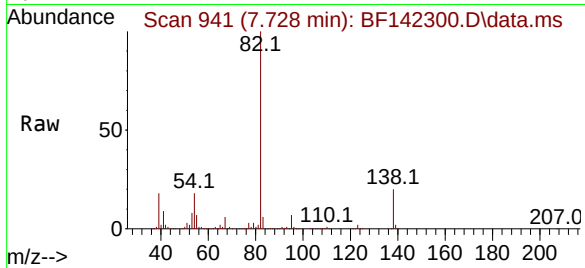




#25
Isophorone
Concen: 52.193 ng
RT: 7.728 min Scan# 941
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

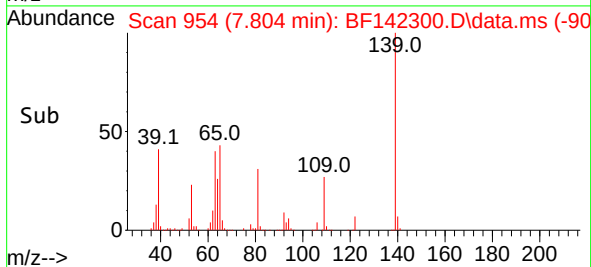
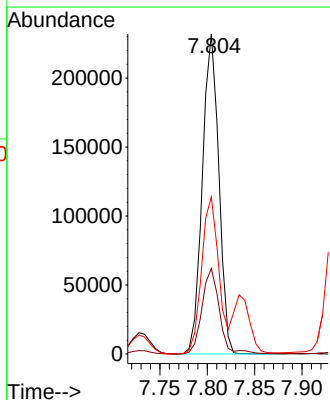
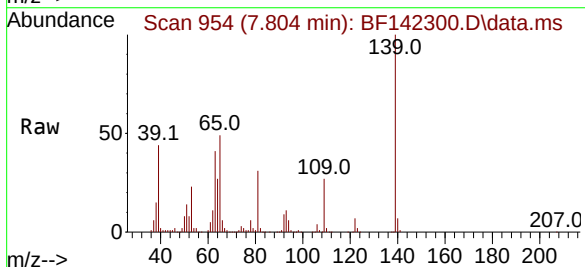
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

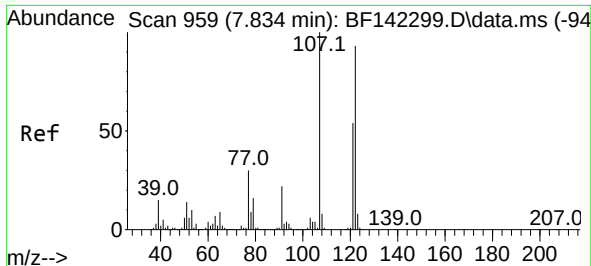
Tgt Ion: 82 Resp: 1175639
Ion Ratio Lower Upper
82 100
95 7.2 5.8 8.8
138 19.7 16.1 24.1



#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# 91

Delta R.T. 0.000 min

Lab File: BF142300.D

Acq: 05 May 2025 16:18

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

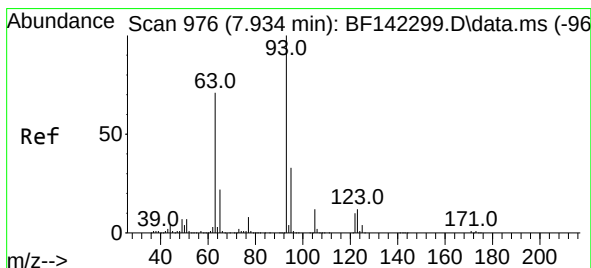
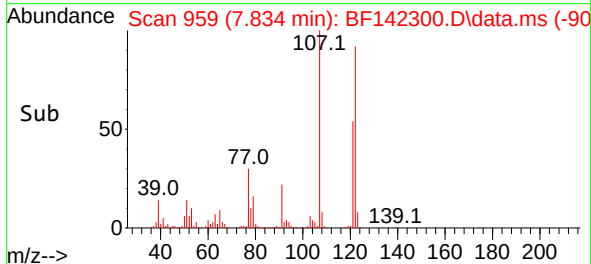
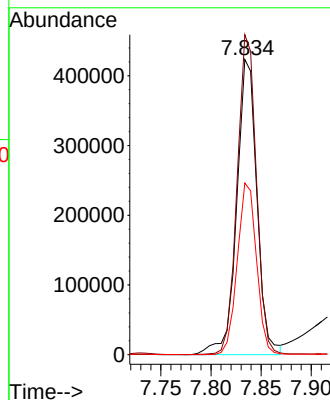
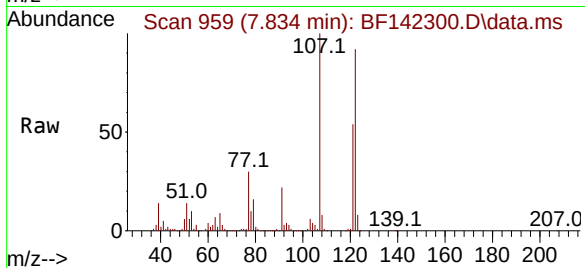
Tgt Ion:122 Resp: 596218

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

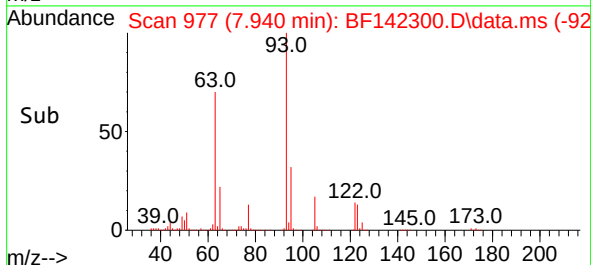
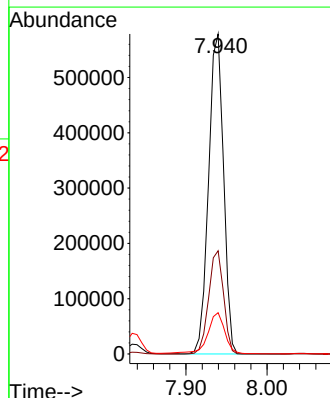
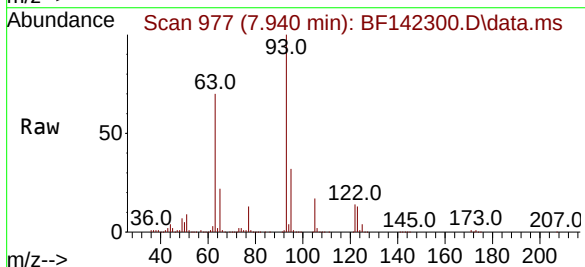
Tgt Ion: 93 Resp: 739692

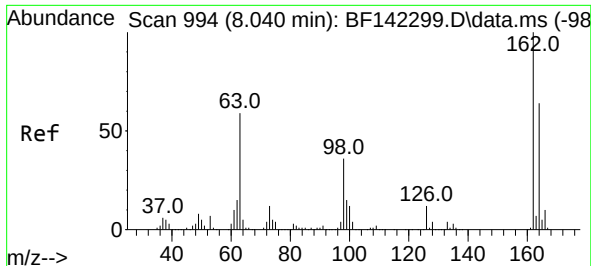
Ion Ratio Lower Upper

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# 994

Delta R.T. 0.006 min

Lab File: BF142300.D

Acq: 05 May 2025 16:18

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

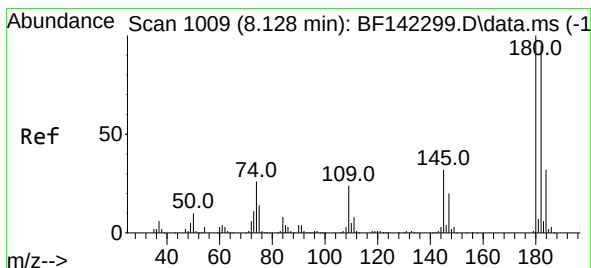
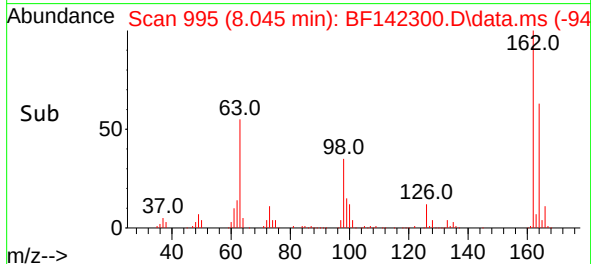
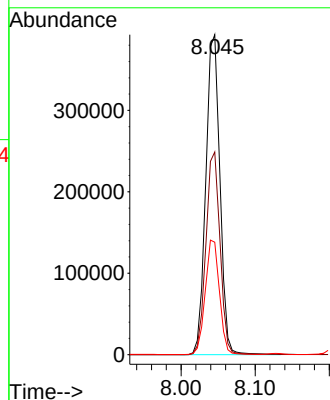
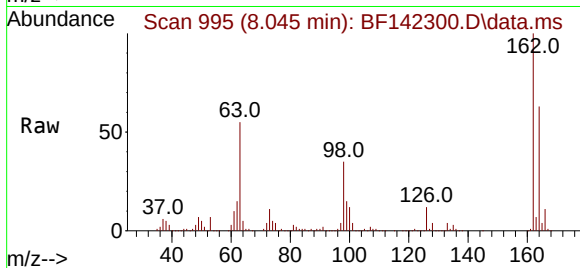
Tgt Ion:162 Resp: 521673

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

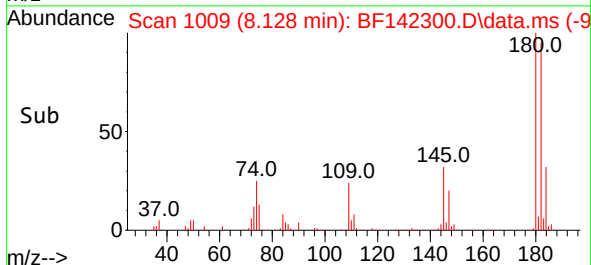
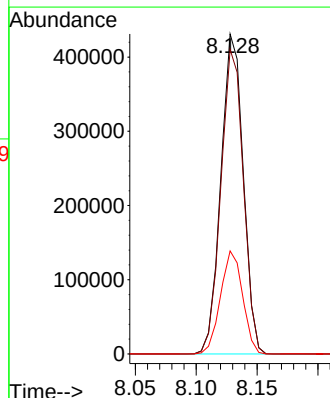
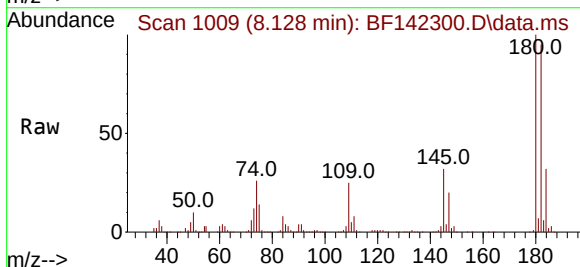
Tgt Ion:180 Resp: 550979

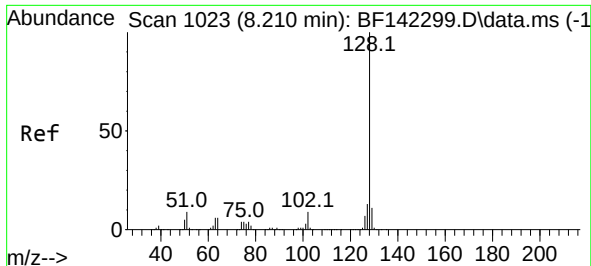
Ion Ratio Lower Upper

180 100

182 95.1 76.2 114.4

145 32.2 25.8 38.6

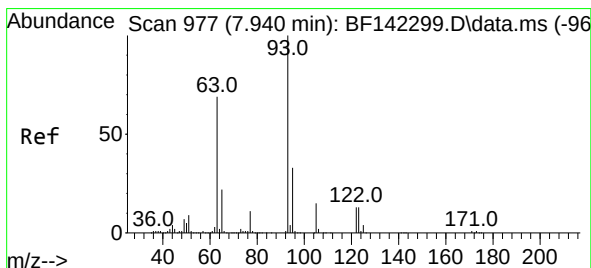
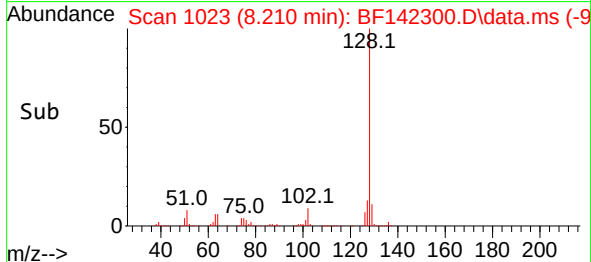
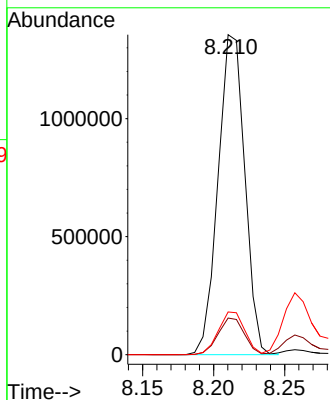
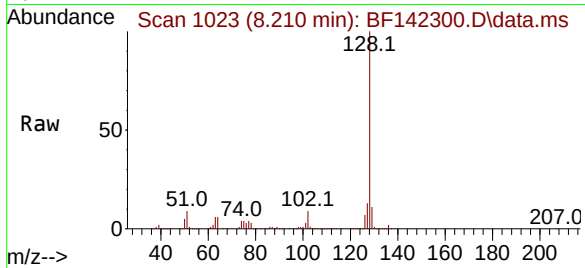




#31
Naphthalene
Concen: 50.454 ng
RT: 8.210 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

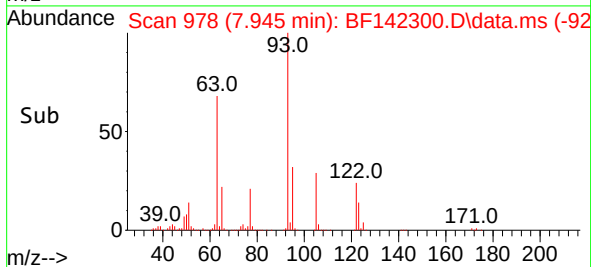
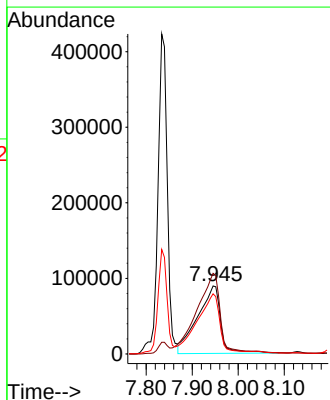
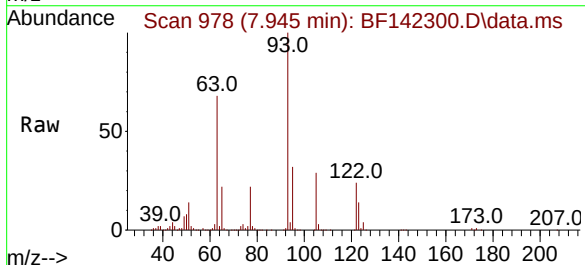
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

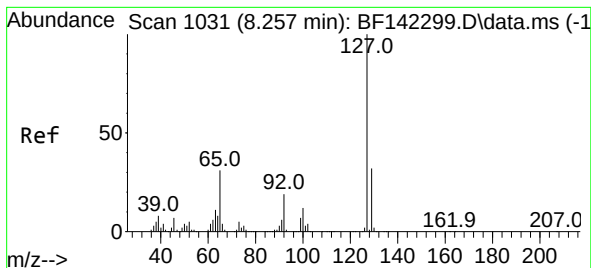
Tgt Ion:128 Resp: 1773884
Ion Ratio Lower Upper
128 100
129 11.4 9.1 13.7
127 13.3 10.5 15.7



#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# 1031

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

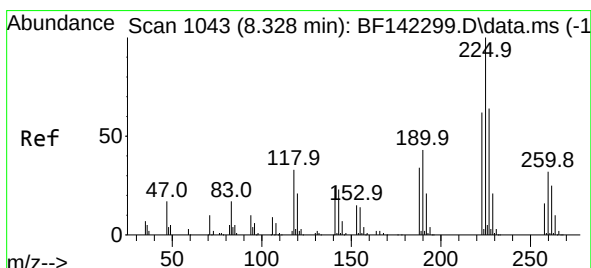
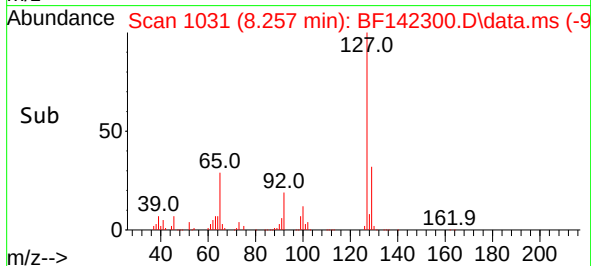
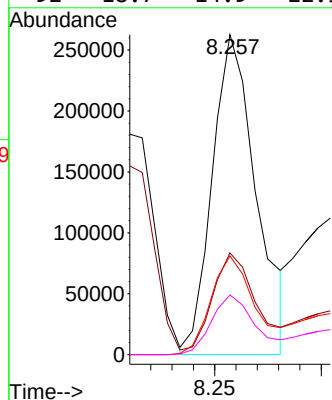
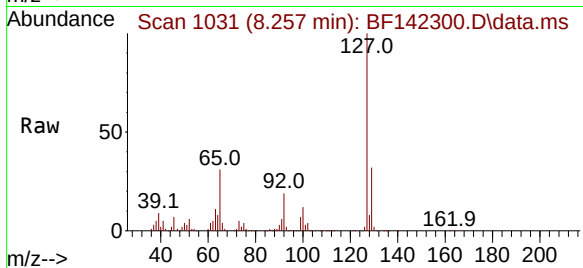
Ion Ratio Lower Upper

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

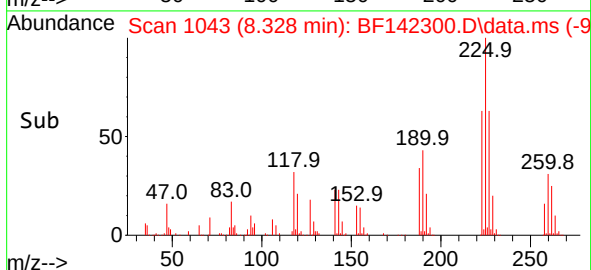
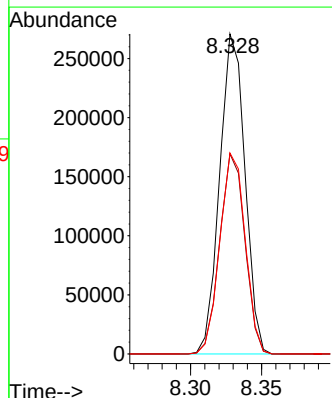
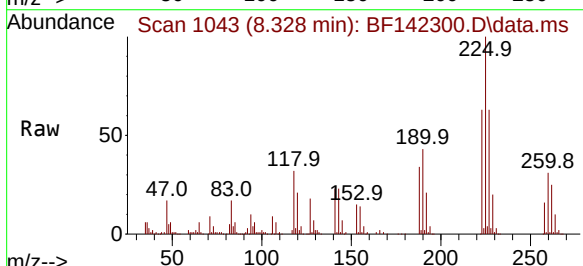
Tgt Ion:225 Resp: 335206

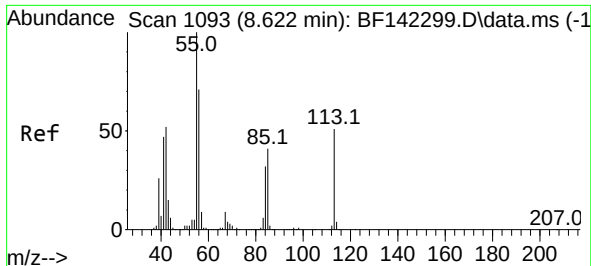
Ion Ratio Lower Upper

225 100

223 62.6 49.8 74.6

227 62.8 50.9 76.3

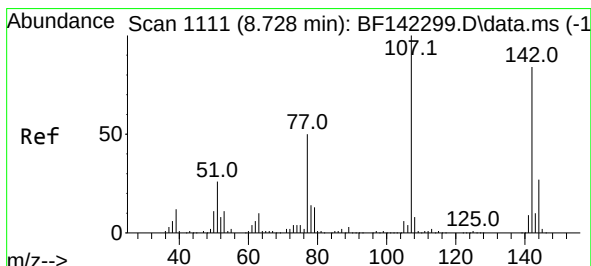
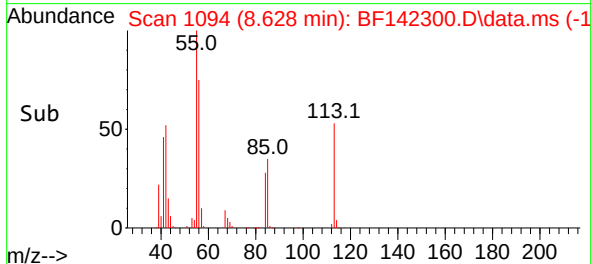
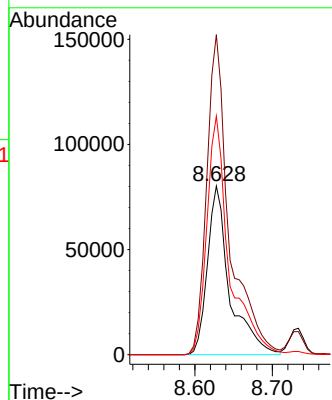
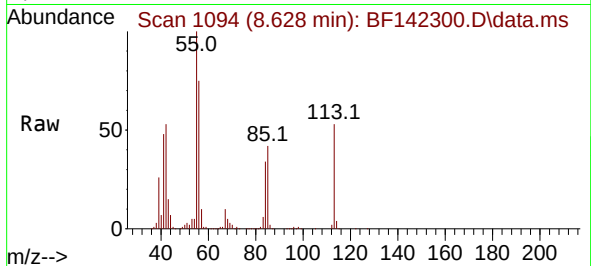




#35
Caprolactam
Concen: 57.291 ng
RT: 8.628 min Scan# 1109
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

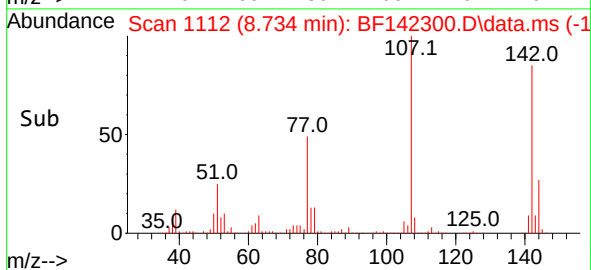
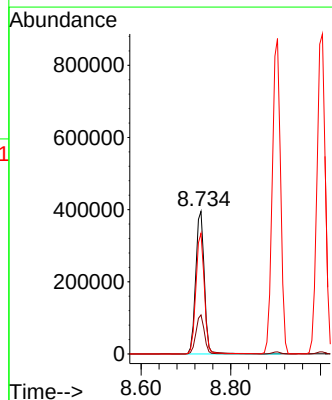
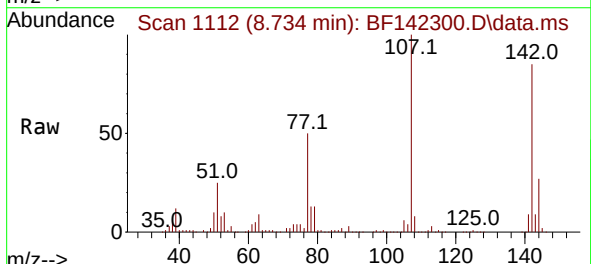
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

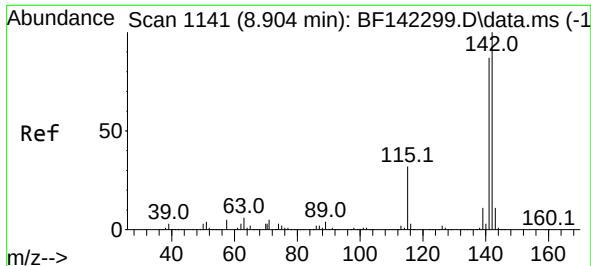
Tgt Ion:113 Resp: 160421
Ion Ratio Lower Upper
113 100
55 189.7 176.4 216.4
56 141.4 120.3 160.3



#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# 1141

Delta R.T. 0.000 min

Lab File: BF142300.D

Acq: 05 May 2025 16:18

Instrument :

BNA_F

ClientSampleId :

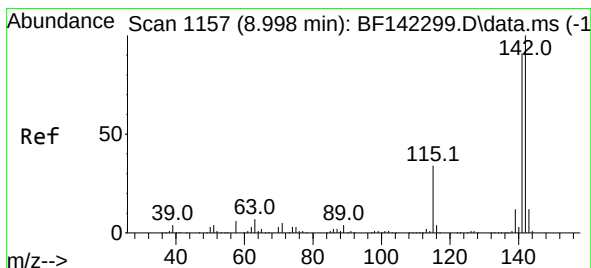
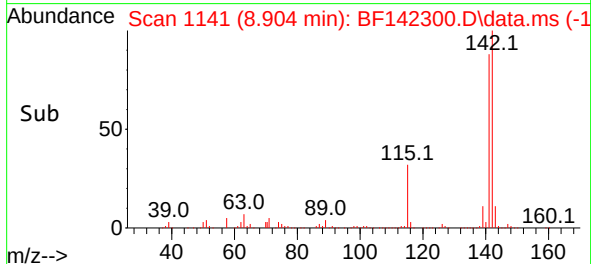
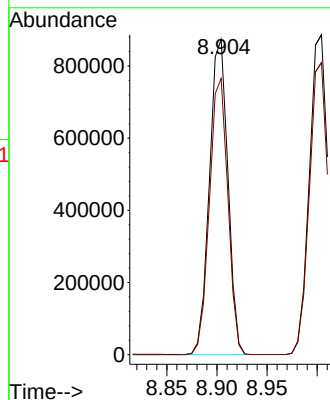
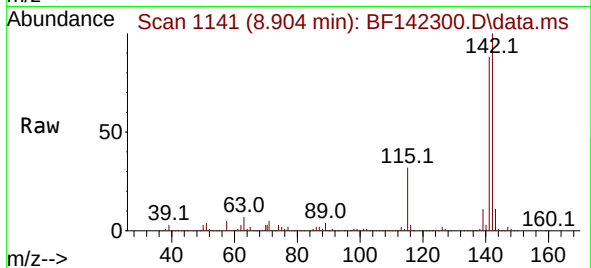
SSTDICC050

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

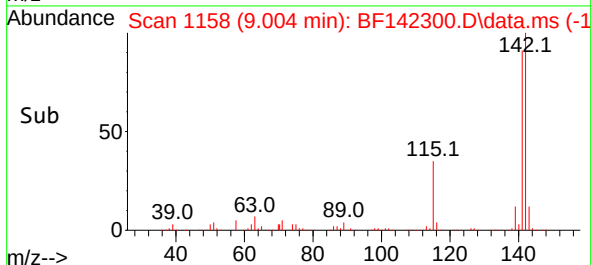
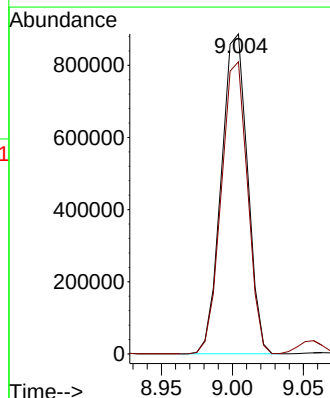
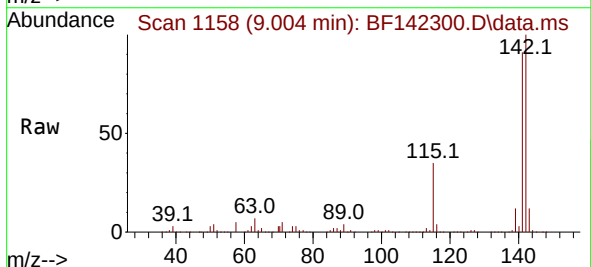
Acq: 05 May 2025 16:18

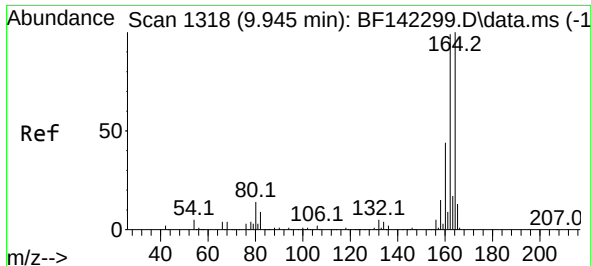
Tgt Ion:142 Resp: 1142120

Ion Ratio Lower Upper

142 100

141 91.3 72.5 108.7

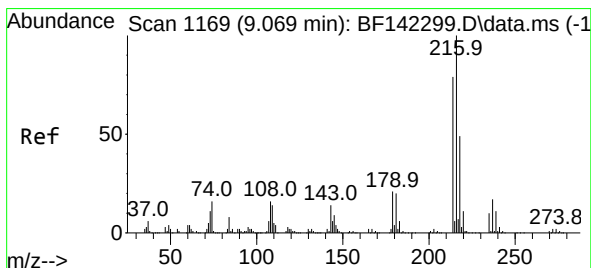
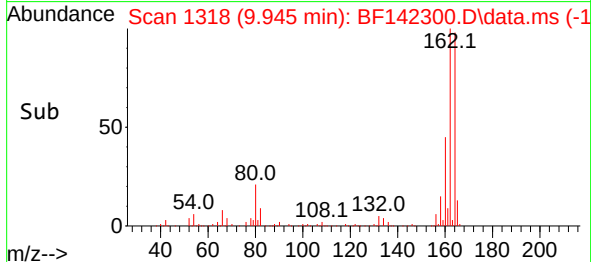
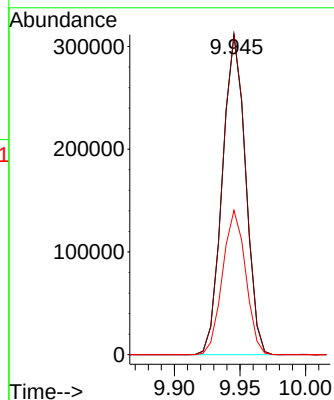
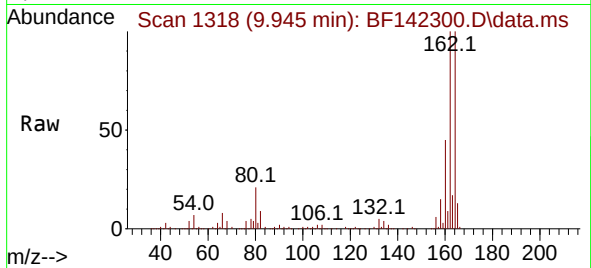




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1169
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

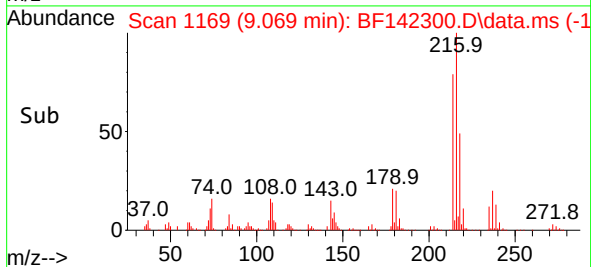
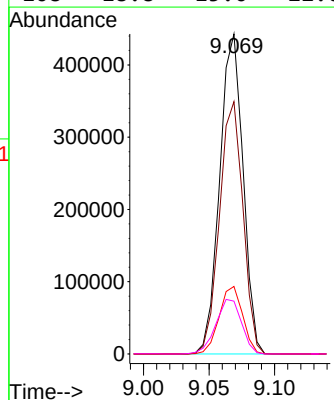
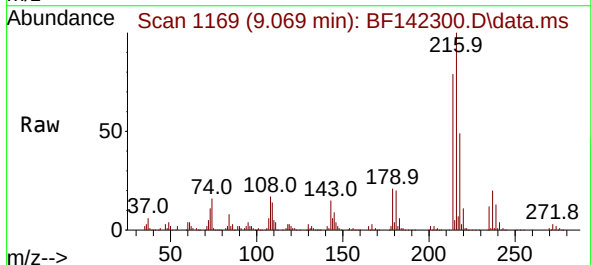
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

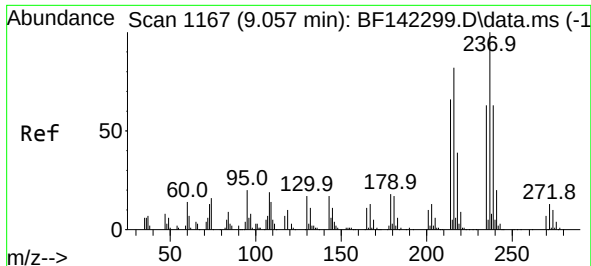
Tgt Ion:164 Resp: 381581
Ion Ratio Lower Upper
164 100
162 100.0 79.2 118.8
160 45.1 35.3 52.9



#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

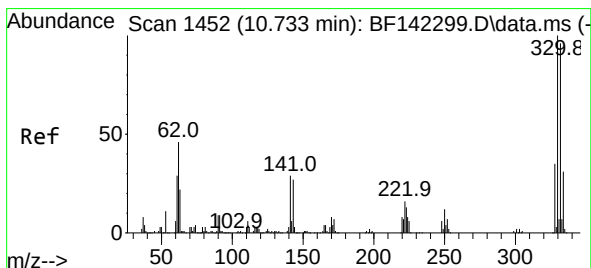
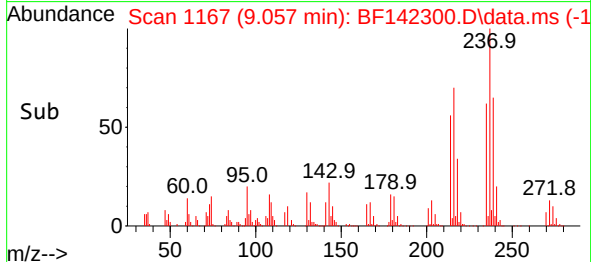
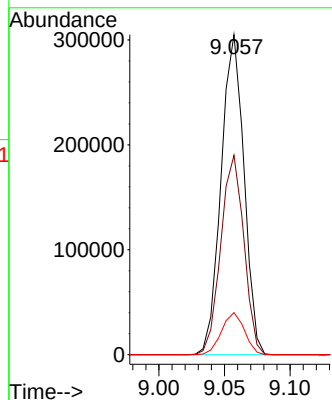
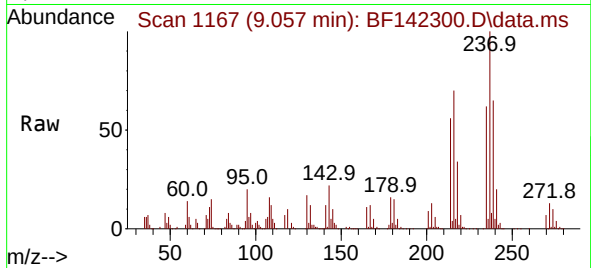




#41
Hexachlorocyclopentadiene
Concen: 56.140 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

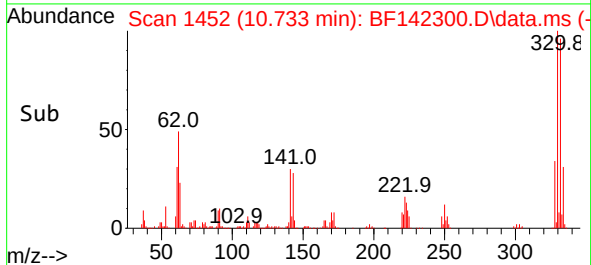
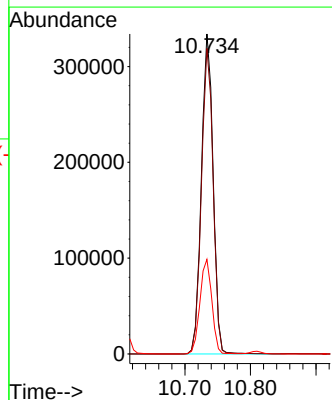
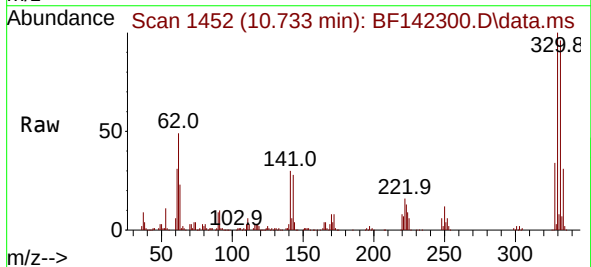
Instrument :
BNA_F
ClientSampleId :
SSTDIC050

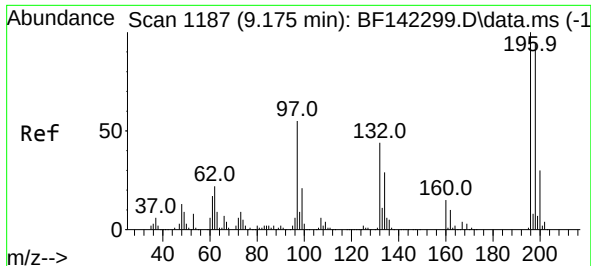
Tgt Ion:237 Resp: 369761
Ion Ratio Lower Upper
237 100
235 62.3 42.8 82.8
272 13.2 0.0 33.0



#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

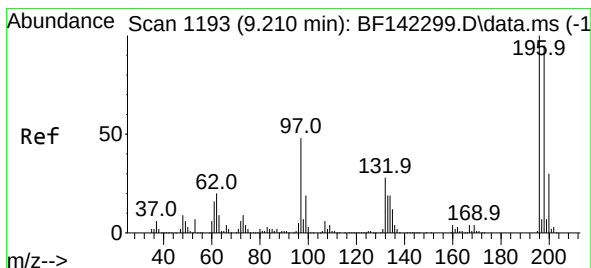
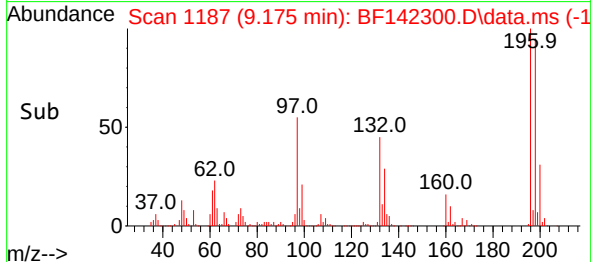
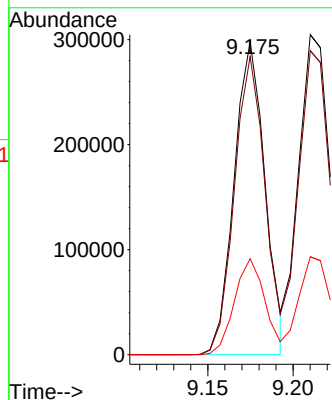
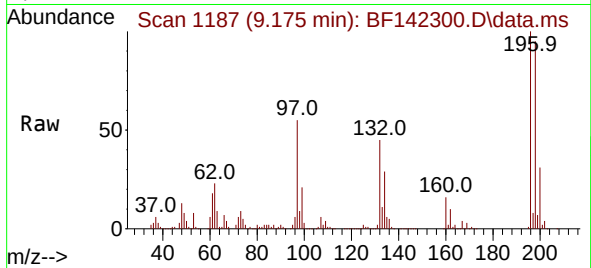




#43
 2,4,6-Trichlorophenol
 Concen: 55.803 ng
 RT: 9.175 min Scan# 1187
 Delta R.T. 0.000 min
 Lab File: BF142300.D
 Acq: 05 May 2025 16:18

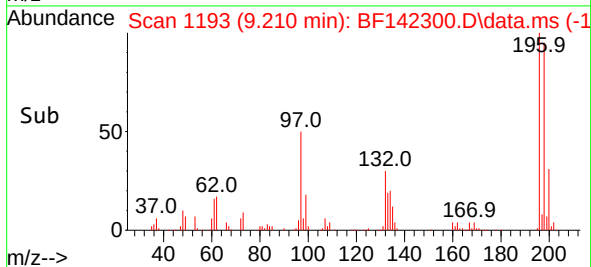
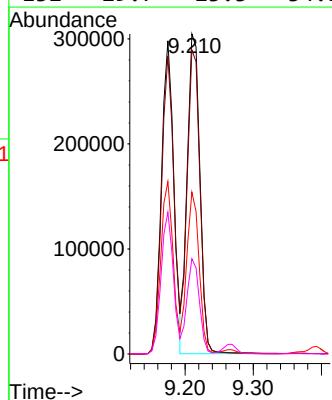
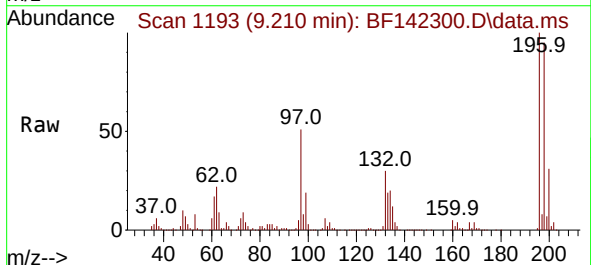
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

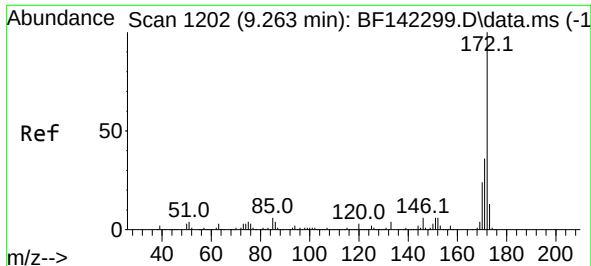
Tgt Ion:196 Resp: 375122
 Ion Ratio Lower Upper
 196 100
 198 95.2 75.4 113.0
 200 30.7 24.3 36.5



#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

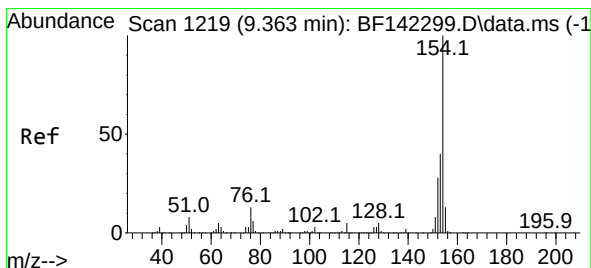
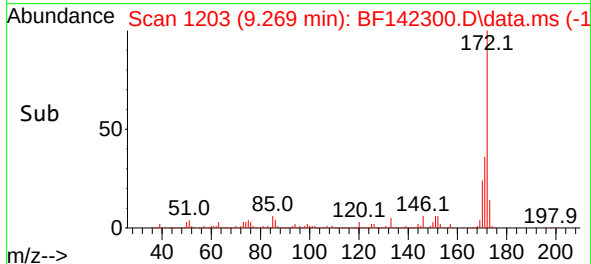
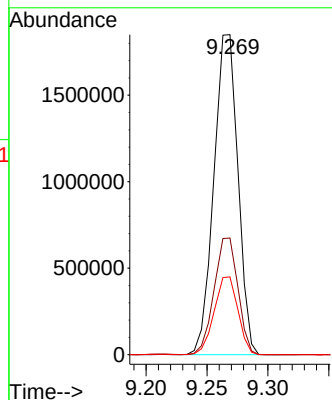
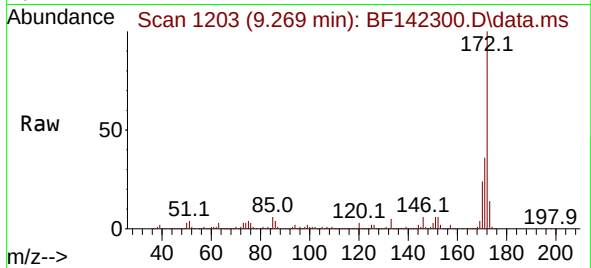




#45
2-Fluorobiphenyl
Concen: 95.292 ng
RT: 9.269 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

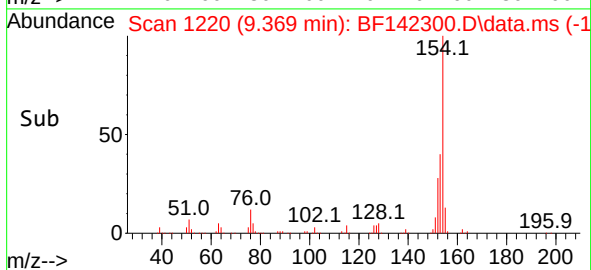
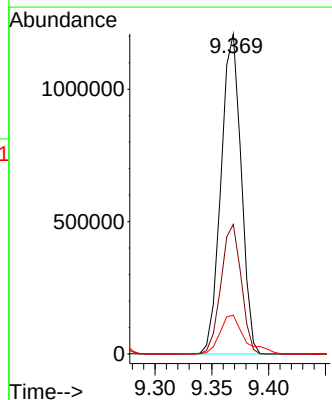
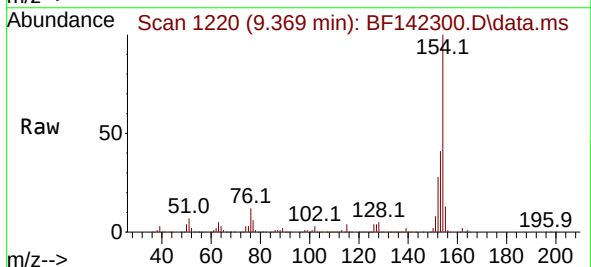
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

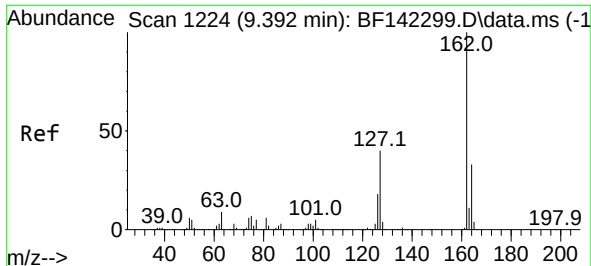
Tgt Ion:172 Resp: 2550133
Ion Ratio Lower Upper
172 100
171 36.4 28.6 42.8
170 24.3 19.0 28.4



#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# 11

Delta R.T. 0.000 min

Lab File: BF142300.D

Acq: 05 May 2025 16:18

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

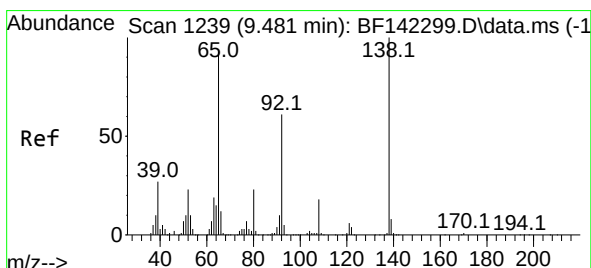
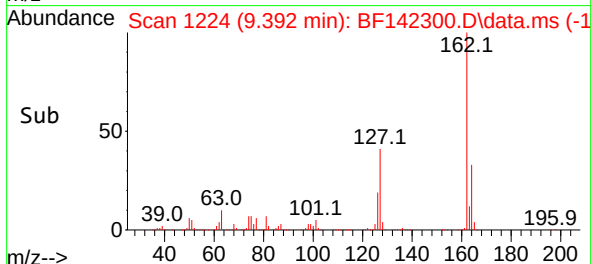
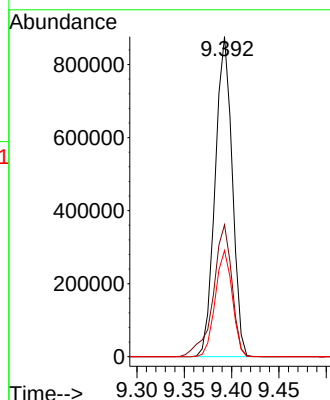
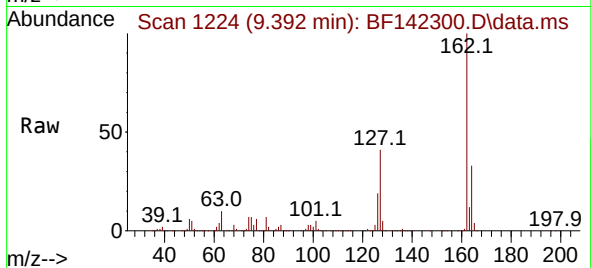
Tgt Ion:162 Resp: 1101937

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

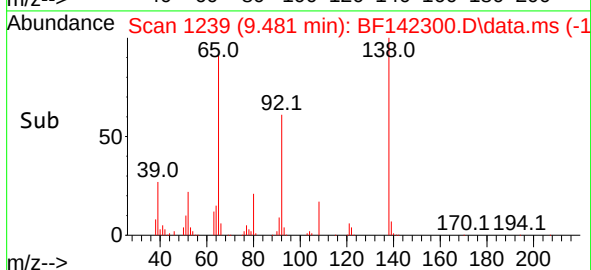
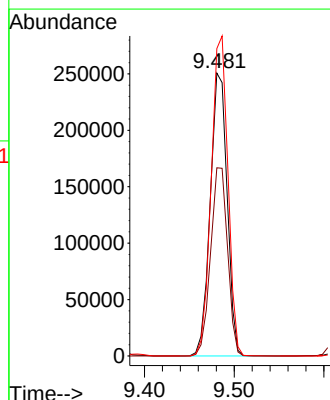
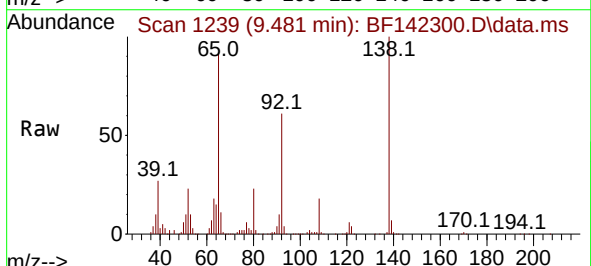
Tgt Ion: 65 Resp: 327821

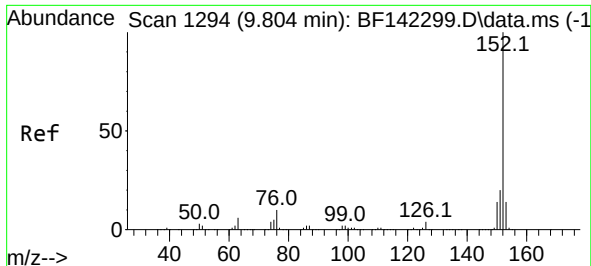
Ion Ratio Lower Upper

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# 11

Delta R.T. 0.006 min

Lab File: BF142300.D

Acq: 05 May 2025 16:18

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

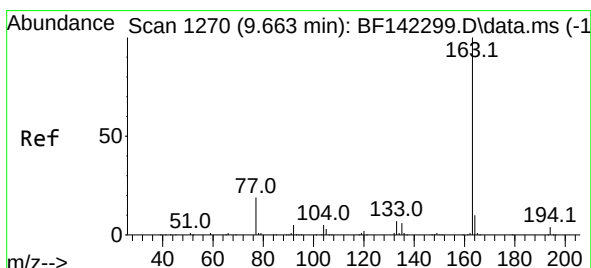
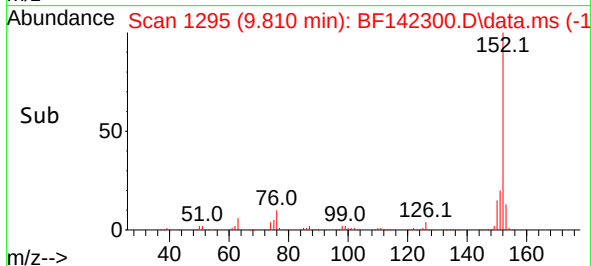
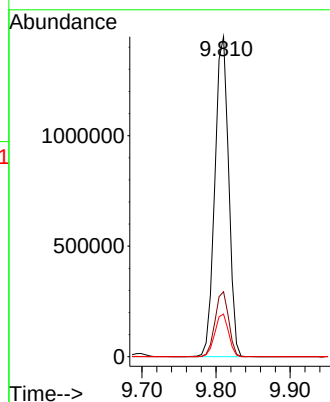
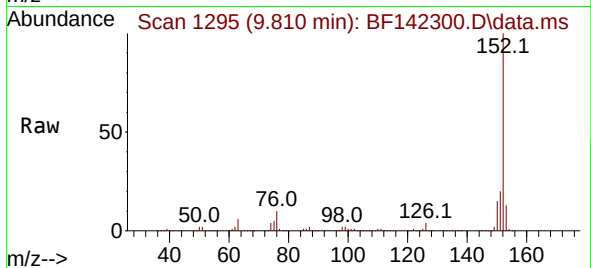
Tgt Ion:152 Resp: 1868268

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

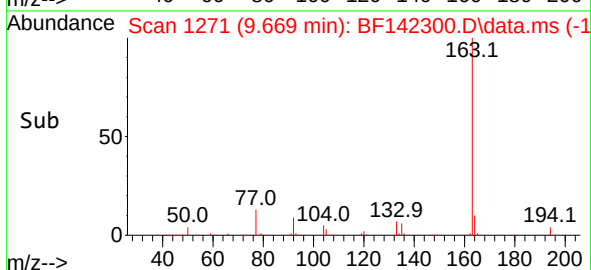
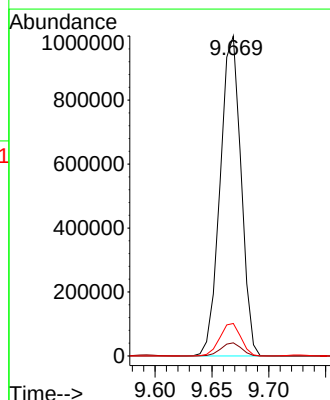
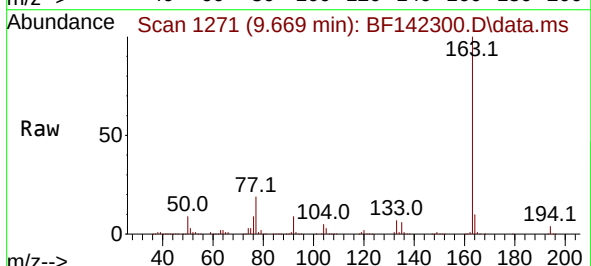
Tgt Ion:163 Resp: 1280292

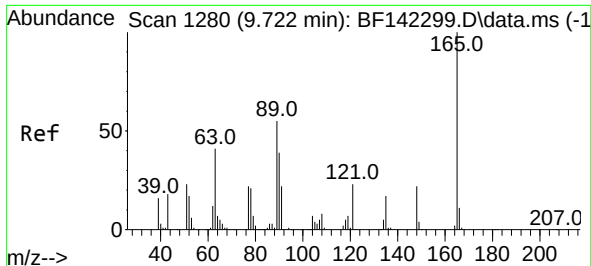
Ion Ratio Lower Upper

163 100

194 4.1 3.2 4.8

164 10.2 8.3 12.5

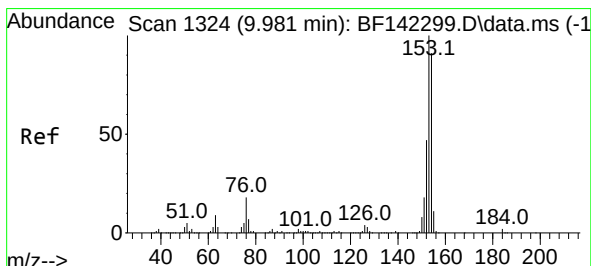
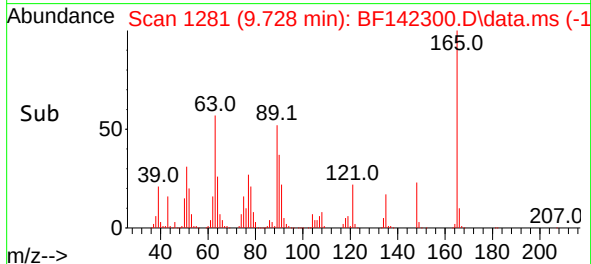
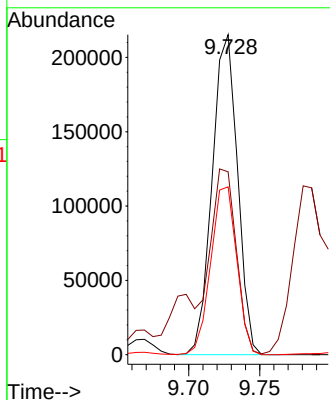
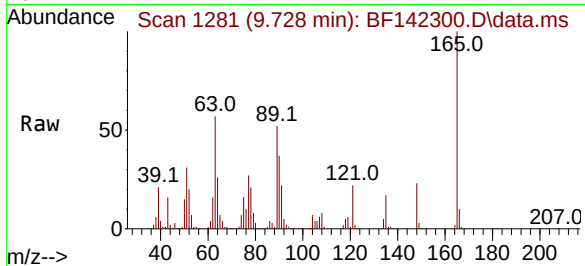




#51
2,6-Dinitrotoluene
Concen: 58.331 ng
RT: 9.728 min Scan# 1280
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

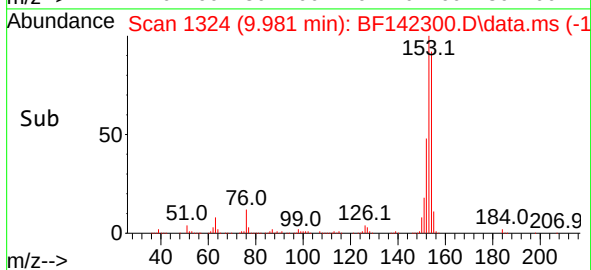
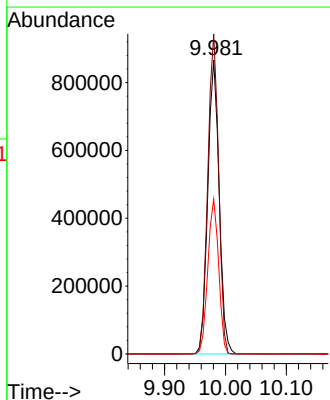
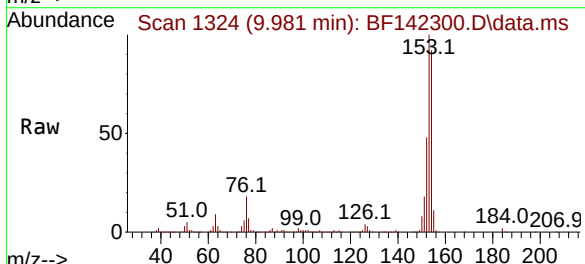
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

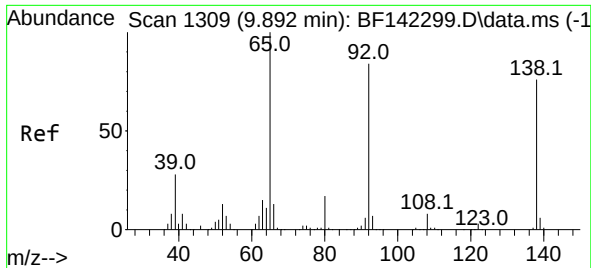
Tgt Ion:165 Resp: 267530
Ion Ratio Lower Upper
165 100
63 57.1 49.5 74.3
89 52.4 44.6 66.8



#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

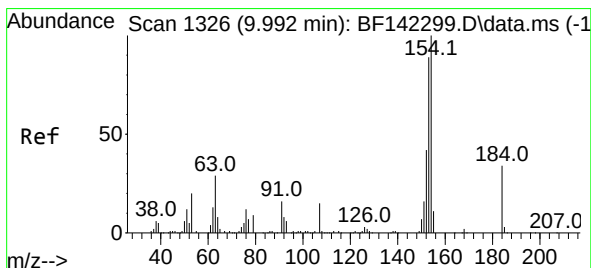
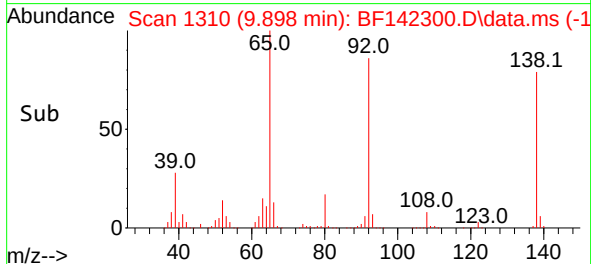
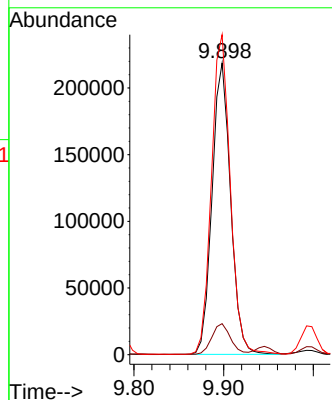
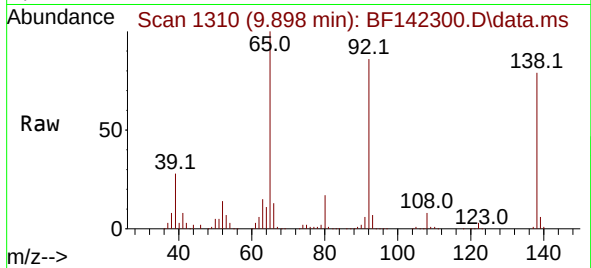




#53
3-Nitroaniline
Concen: 58.354 ng
RT: 9.898 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

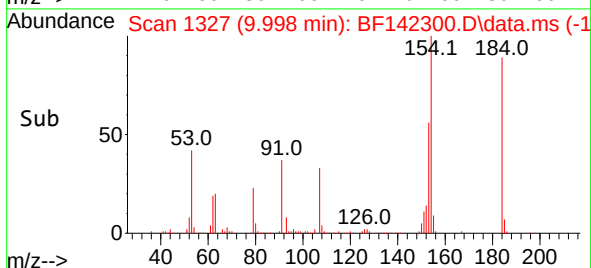
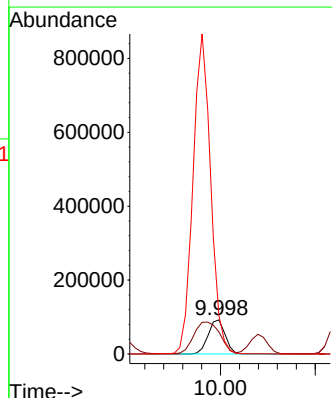
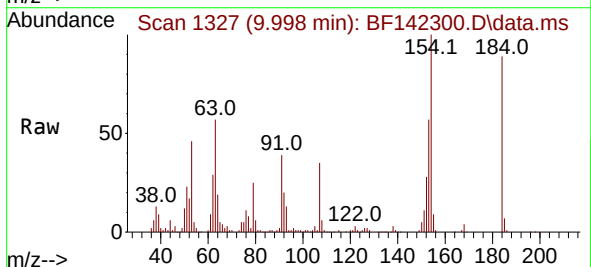
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

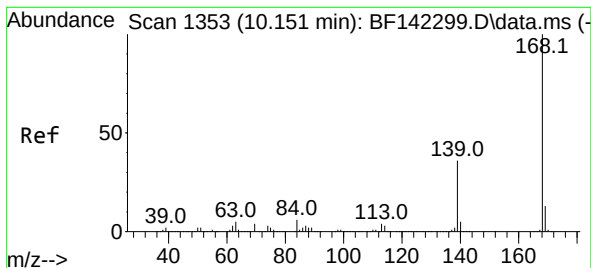
Tgt Ion:138 Resp: 313887
Ion Ratio Lower Upper
138 100
108 10.7 8.7 13.1
92 109.7 89.5 134.3



#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# 1353

Delta R.T. 0.000 min

Lab File: BF142300.D

Acq: 05 May 2025 16:18

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

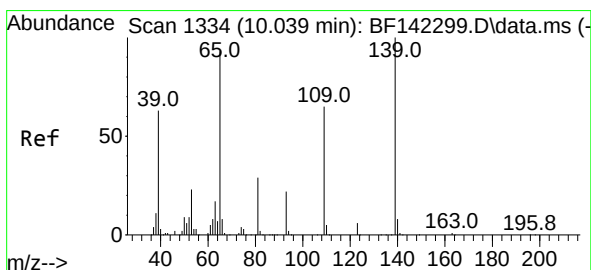
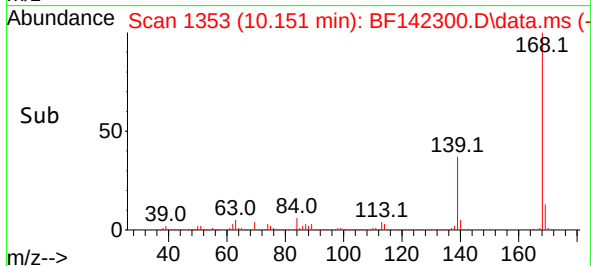
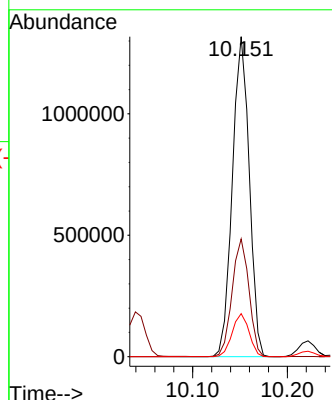
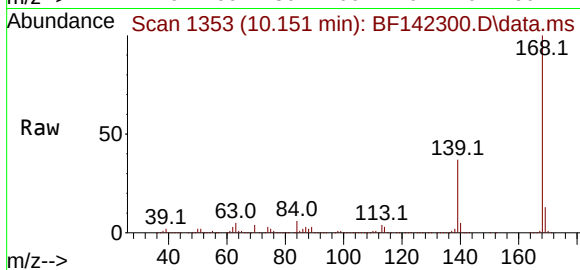
Tgt Ion:168 Resp: 1632492

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

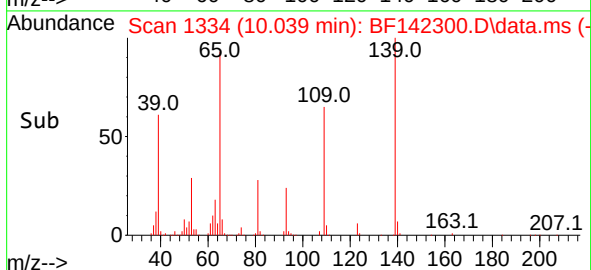
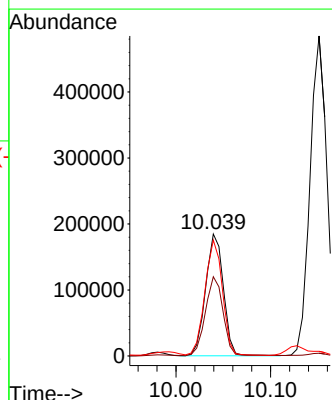
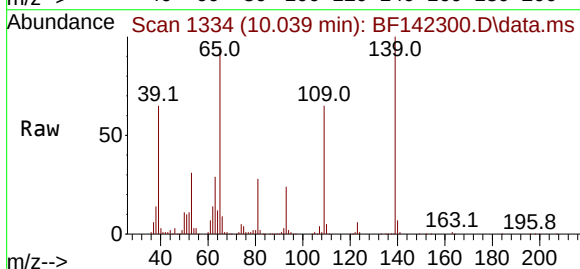
Tgt Ion:139 Resp: 240972

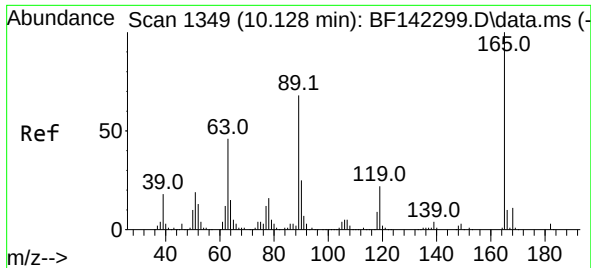
Ion Ratio Lower Upper

139 100

109 64.9 45.3 85.3

65 95.0 73.9 113.9

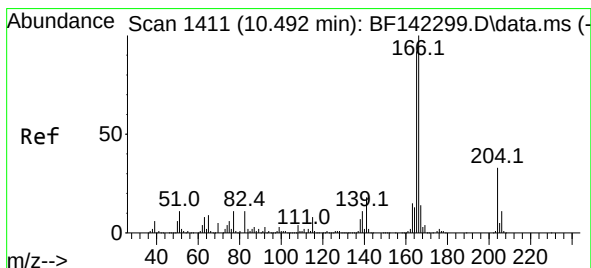
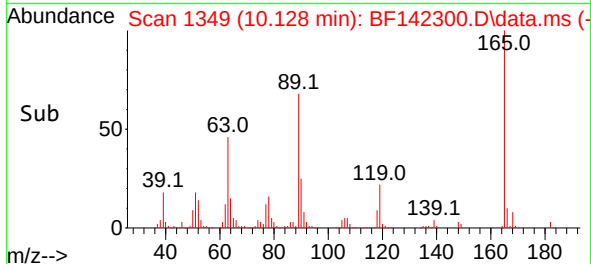
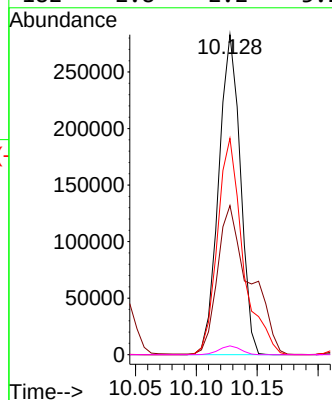
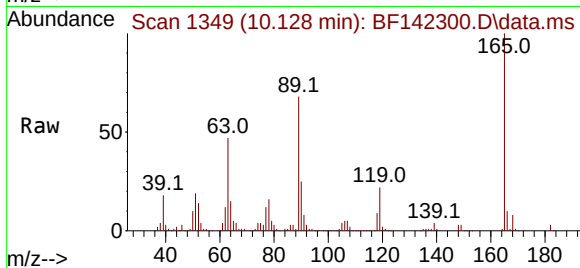




#57
2,4-Dinitrotoluene
Concen: 59.620 ng
RT: 10.128 min Scan# 1349
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

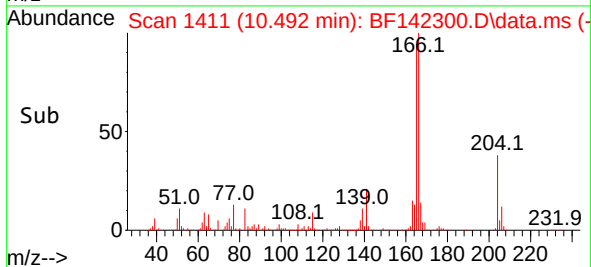
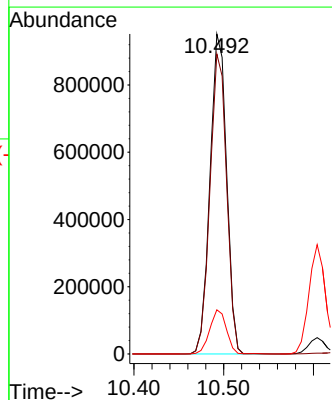
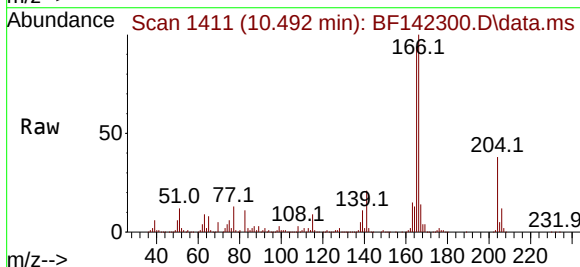
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

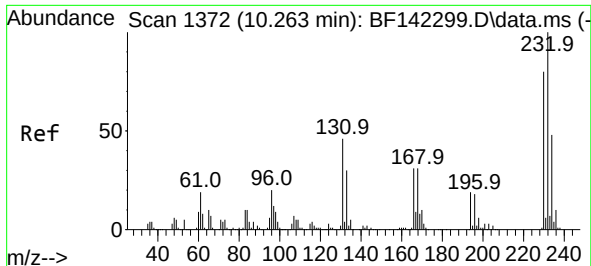
Tgt Ion:165 Resp: 350749
Ion Ratio Lower Upper
165 100
63 46.6 37.1 55.7
89 67.6 54.4 81.6
182 2.8 2.2 3.2



#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

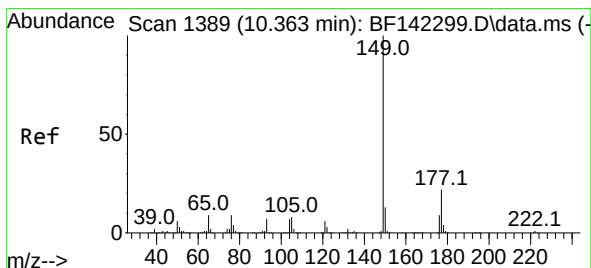
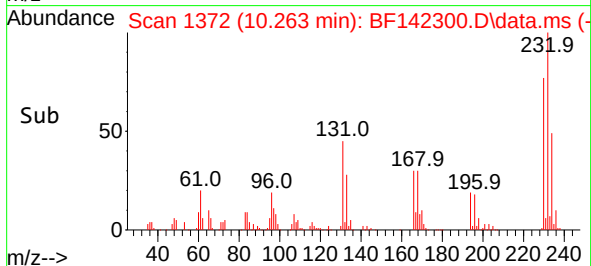
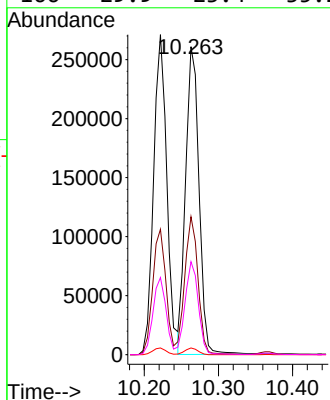
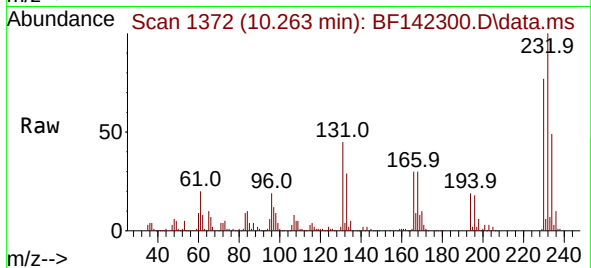




#59
2,3,4,6-Tetrachlorophenol
Concen: 55.542 ng
RT: 10.263 min Scan# 1372
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

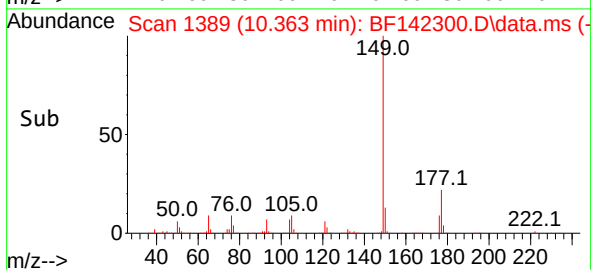
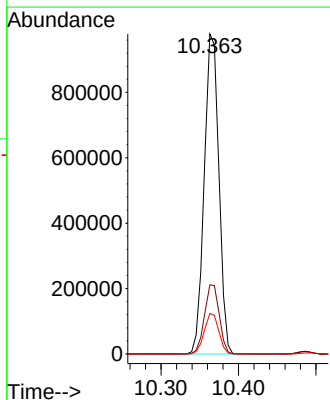
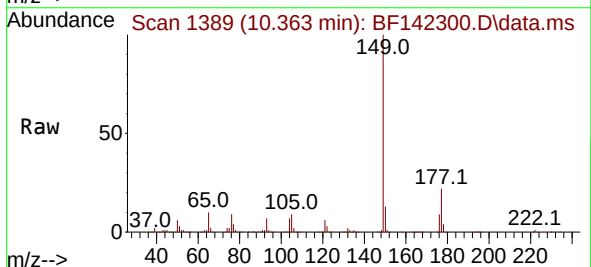
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

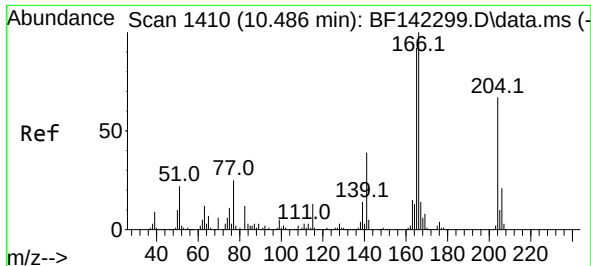
Tgt Ion:232 Resp: 327947
Ion Ratio Lower Upper
232 100
131 44.3 36.0 54.0
130 2.2 1.8 2.6
166 29.9 23.4 35.2



#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

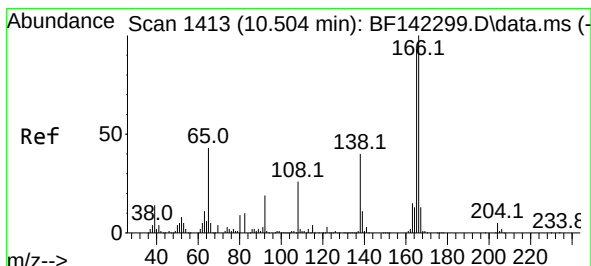
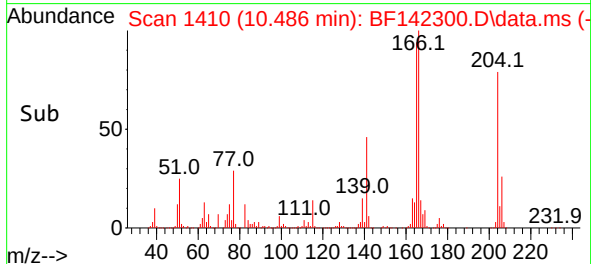
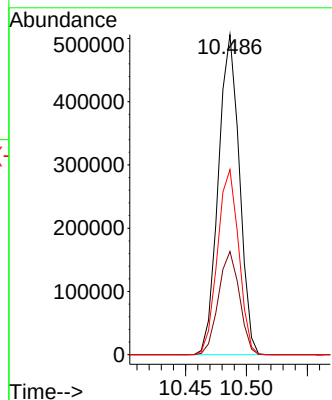
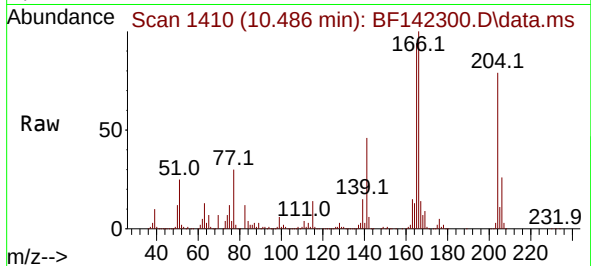




#61
4-Chlorophenyl-phenylether
Concen: 51.168 ng
RT: 10.486 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

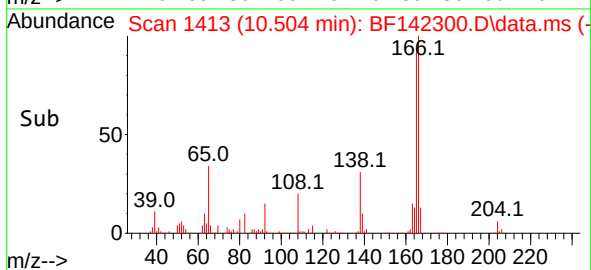
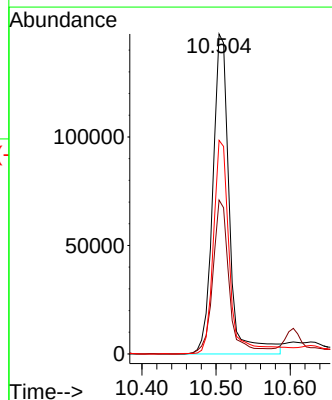
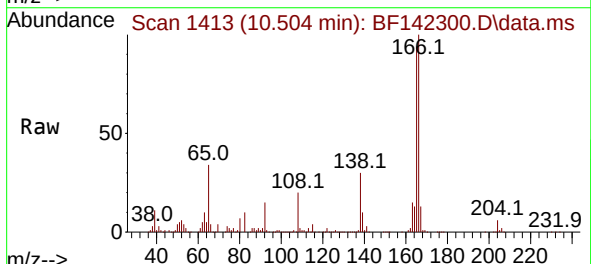
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

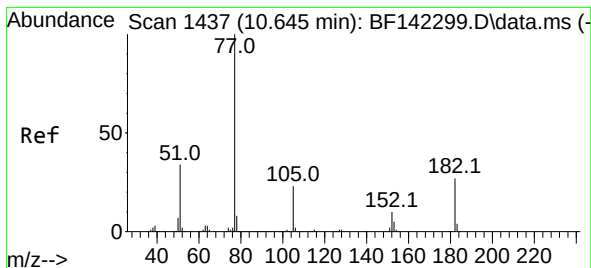
Tgt Ion:204 Resp: 608508
Ion Ratio Lower Upper
204 100
206 32.3 25.5 38.3
141 57.8 46.4 69.6



#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# 1437

Delta R.T. 0.000 min

Lab File: BF142300.D

Acq: 05 May 2025 16:18

Instrument :

BNA_F

ClientSampleId :

SSTDIC050

Tgt Ion: 77 Resp: 1211976

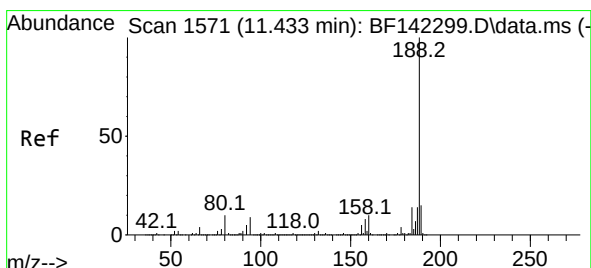
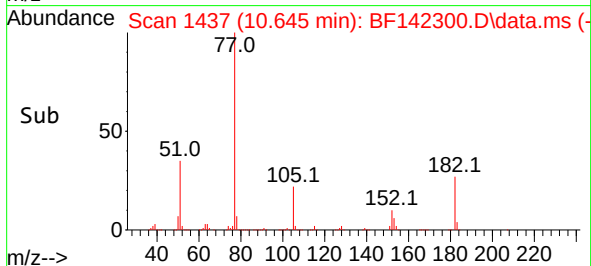
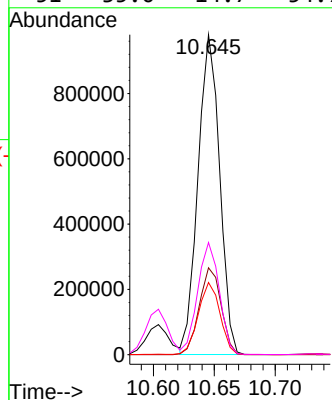
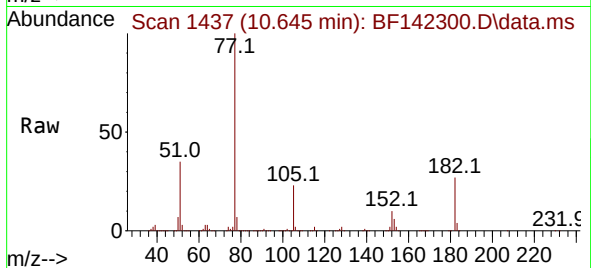
Ion Ratio Lower Upper

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

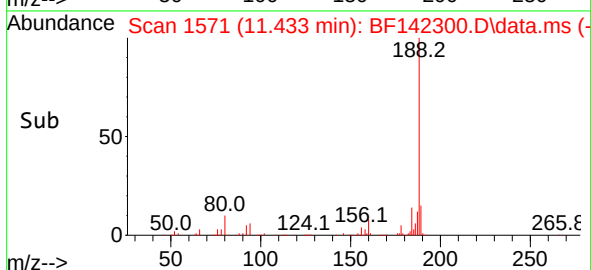
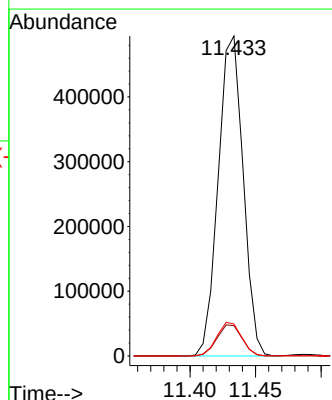
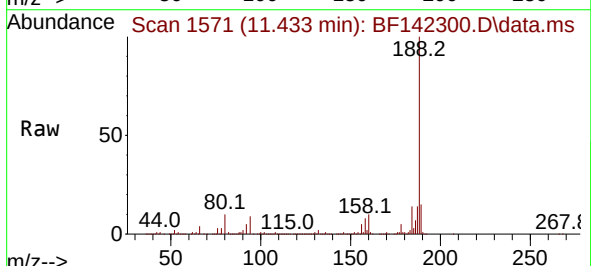
Tgt Ion:188 Resp: 653321

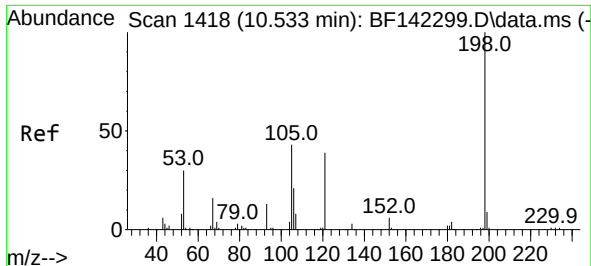
Ion Ratio Lower Upper

188 100

94 9.5 7.5 11.3

80 10.0 7.9 11.9

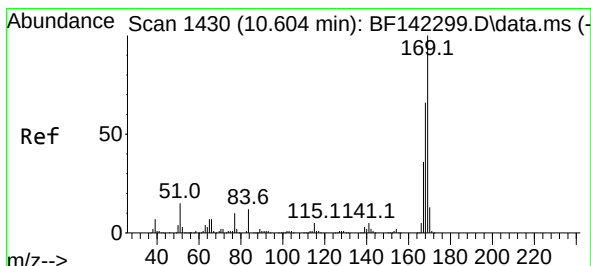
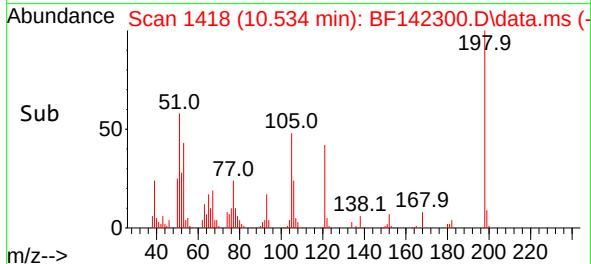
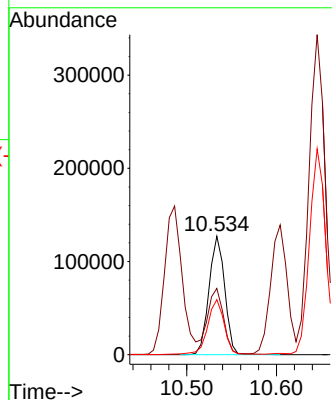
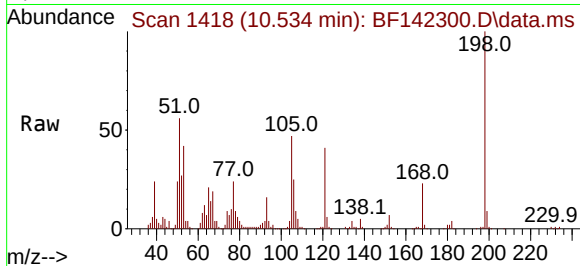




#65
4,6-Dinitro-2-methylphenol
Concen: 50.269 ng
RT: 10.534 min Scan# 1418
Delta R.T. 0.001 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

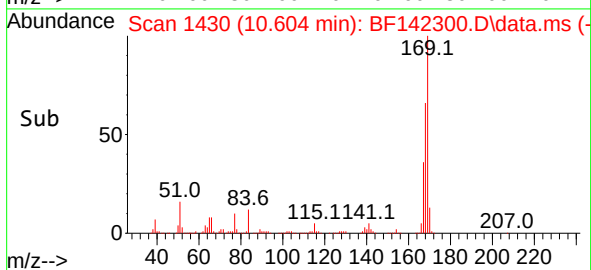
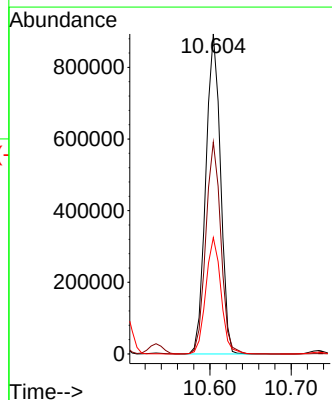
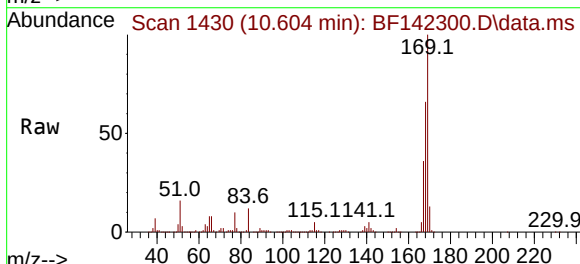
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

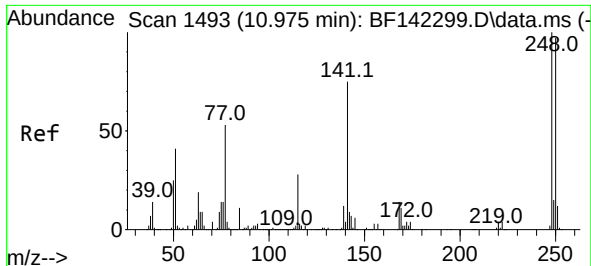
Tgt Ion:198 Resp: 154307
Ion Ratio Lower Upper
198 100
51 56.0 32.9 72.9
105 46.5 23.7 63.7



#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

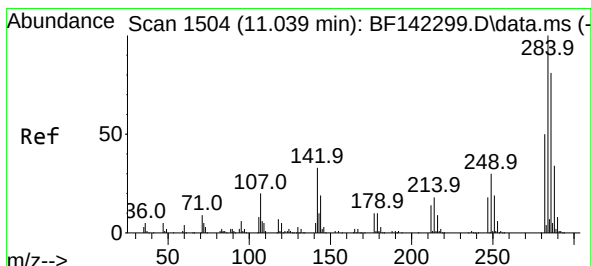
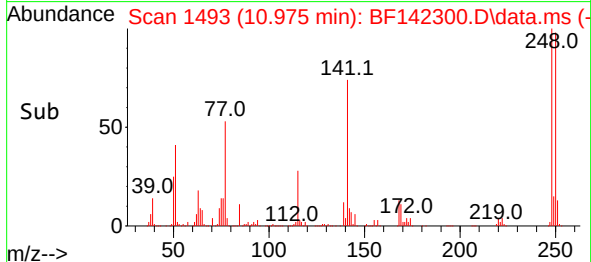
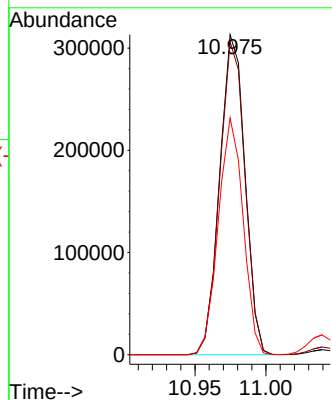
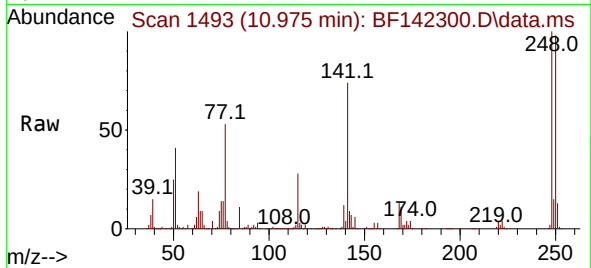




#67
4-Bromophenyl-phenylether
Concen: 52.469 ng
RT: 10.975 min Scan# 1493
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

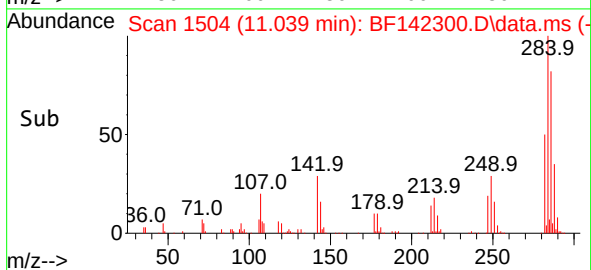
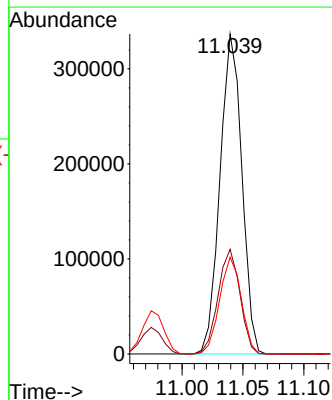
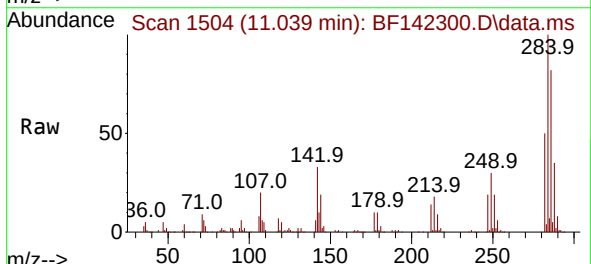
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

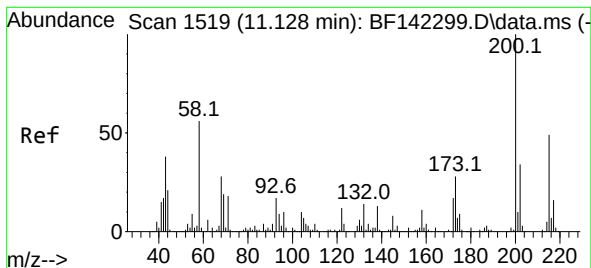
Tgt Ion:248 Resp: 388493
Ion Ratio Lower Upper
248 100
250 97.8 77.9 116.9
141 73.9 59.8 89.8



#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# 1519

Delta R.T. 0.000 min

Lab File: BF142300.D

Acq: 05 May 2025 16:18

Instrument :

BNA_F

ClientSampleId :

SSTDIC050

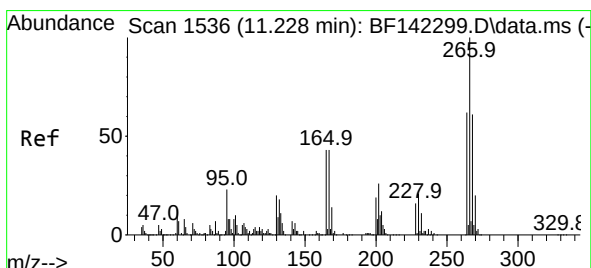
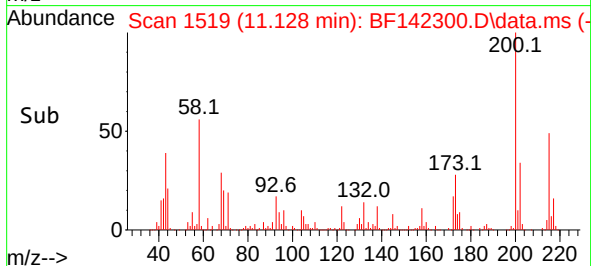
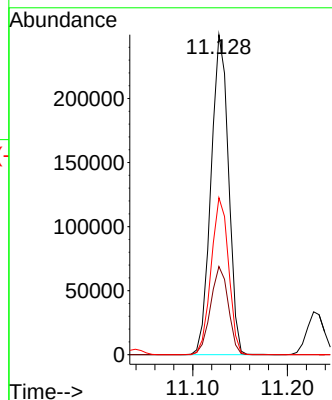
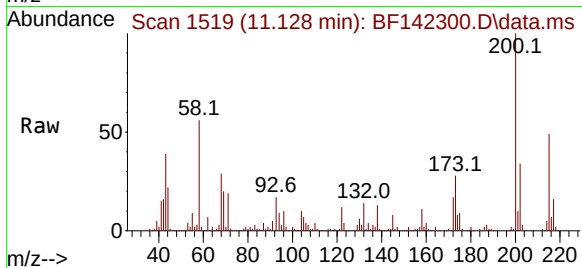
Tgt Ion:200 Resp: 319507

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

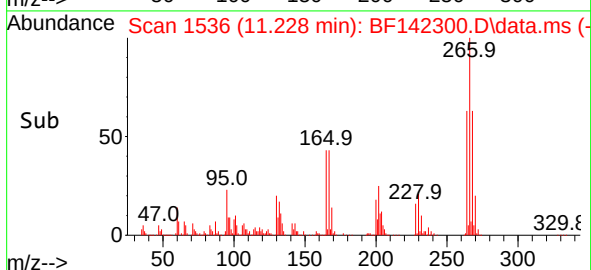
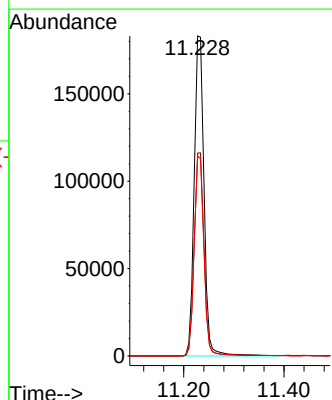
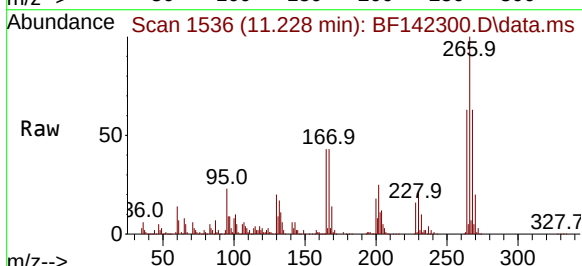
Tgt Ion:266 Resp: 249218

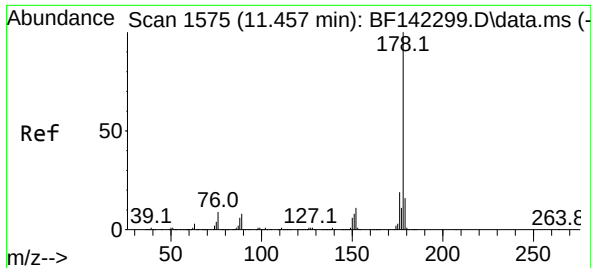
Ion Ratio Lower Upper

266 100

268 63.4 48.7 73.1

264 62.6 49.8 74.6

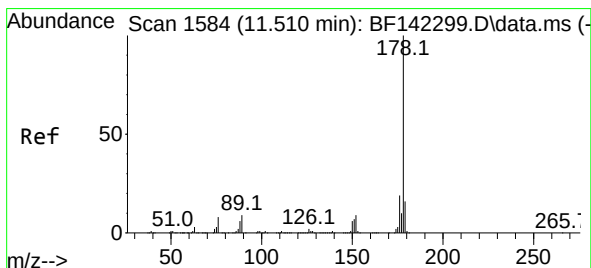
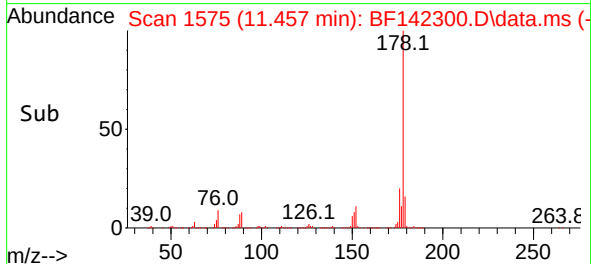
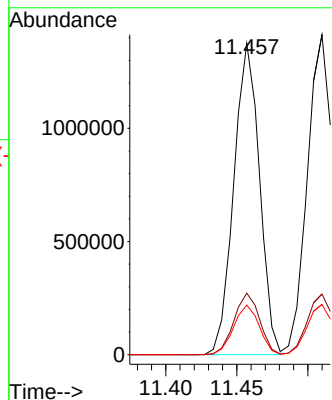
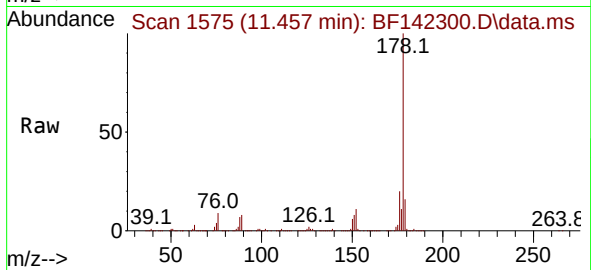




#71
Phenanthrene
Concen: 50.453 ng
RT: 11.457 min Scan# 1575
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

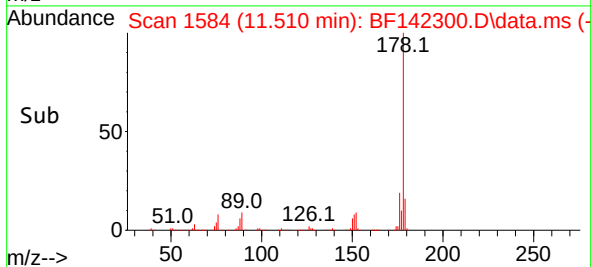
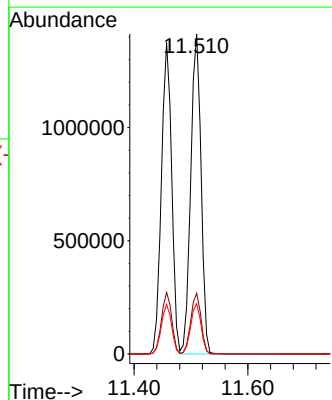
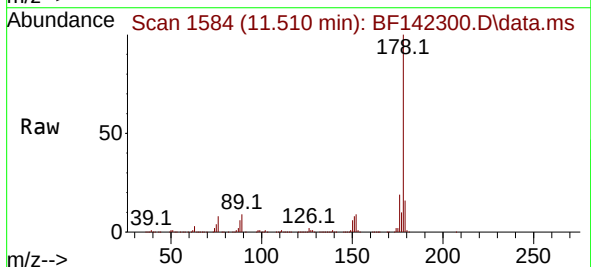
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

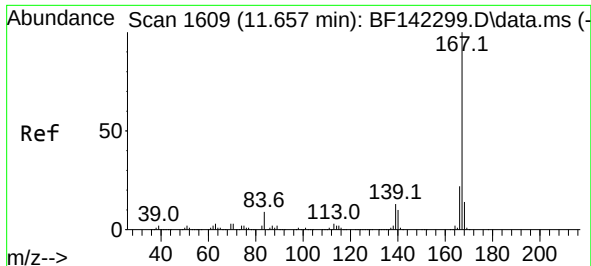
Tgt Ion:178 Resp: 1727795
Ion Ratio Lower Upper
178 100
176 19.8 15.5 23.3
179 15.9 12.6 18.8



#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

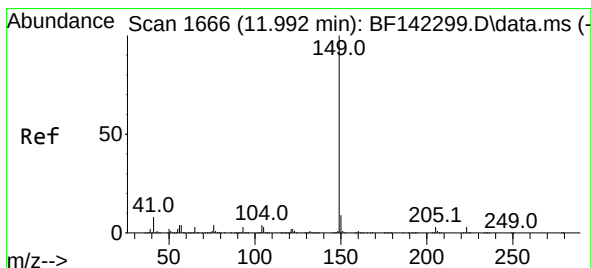
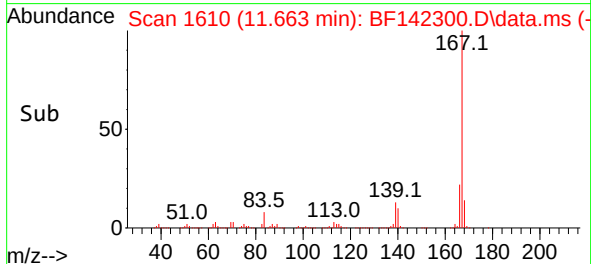
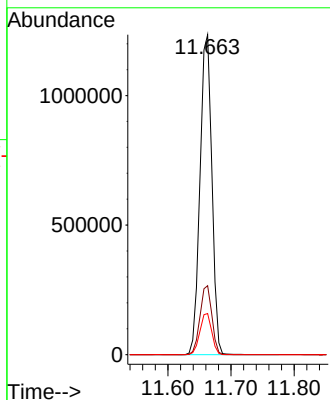
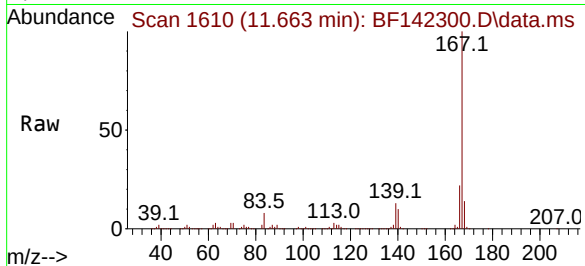




#73
 Carbazole
 Concen: 51.019 ng
 RT: 11.663 min Scan# 1610
 Delta R.T. 0.006 min
 Lab File: BF142300.D
 Acq: 05 May 2025 16:18

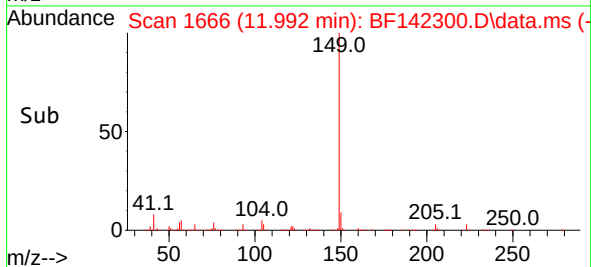
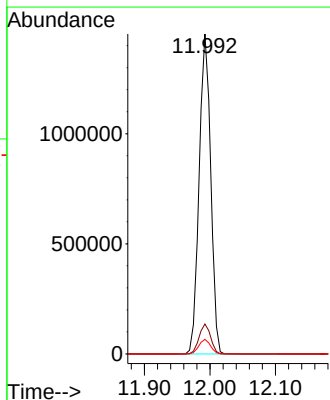
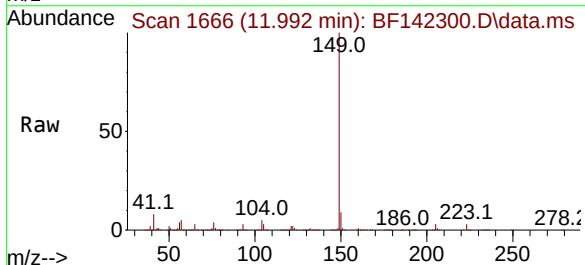
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

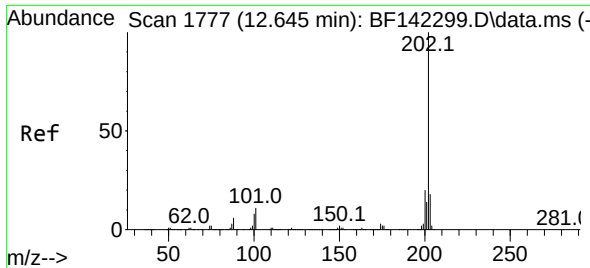
Tgt Ion:167 Resp: 1610611
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.2 25.8
 139 12.9 10.3 15.5



#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

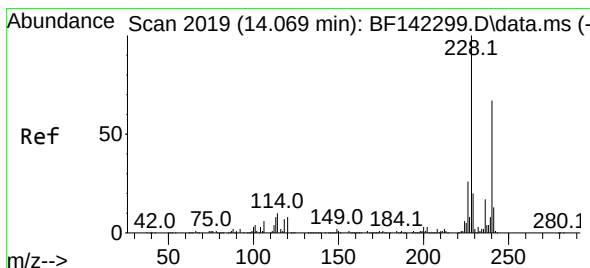
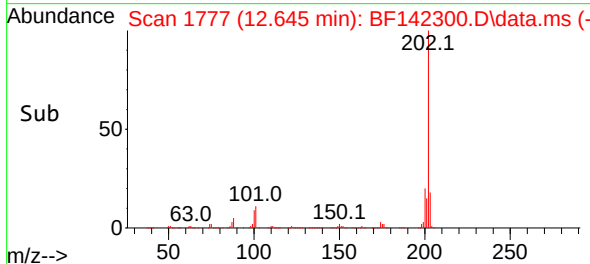
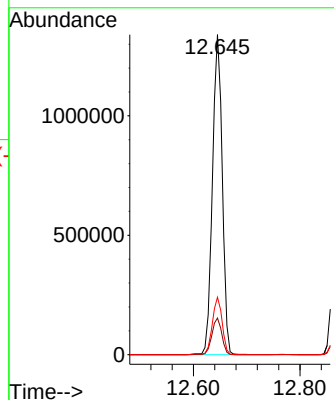
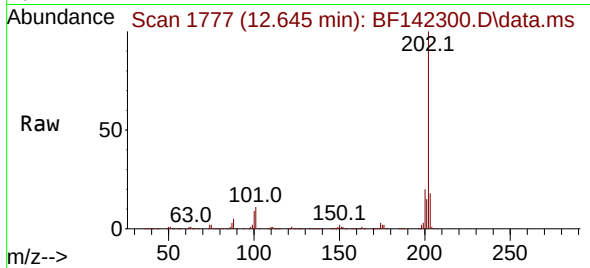




#75
Fluoranthene
Concen: 50.159 ng
RT: 12.645 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

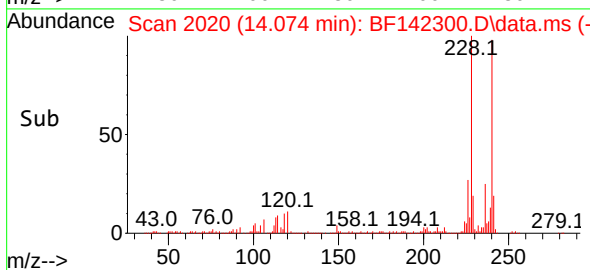
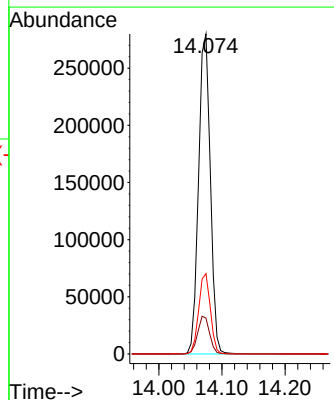
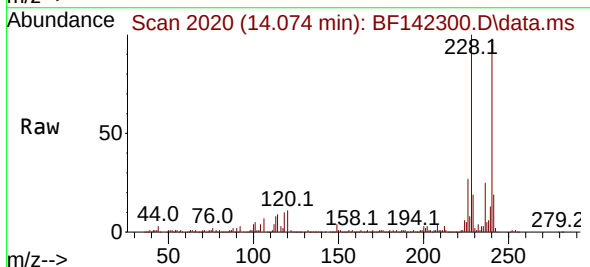
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

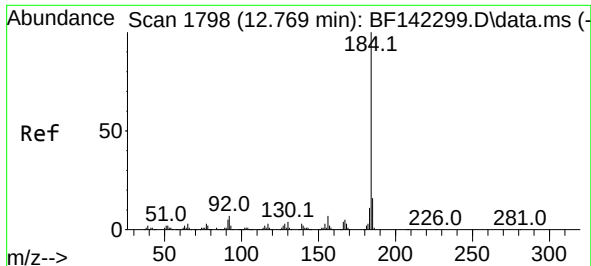
Tgt Ion:202 Resp: 1717060
Ion Ratio Lower Upper
202 100
101 11.5 0.0 31.4
203 17.9 0.0 37.9



#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

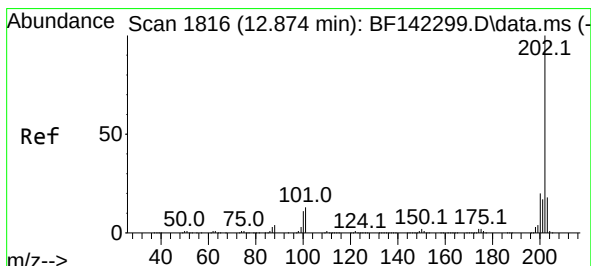
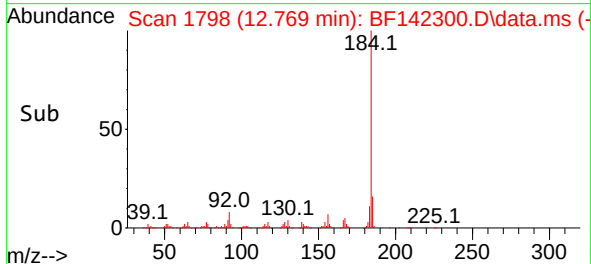
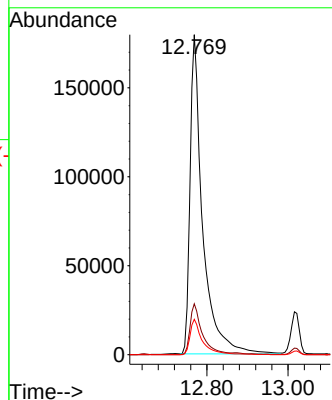
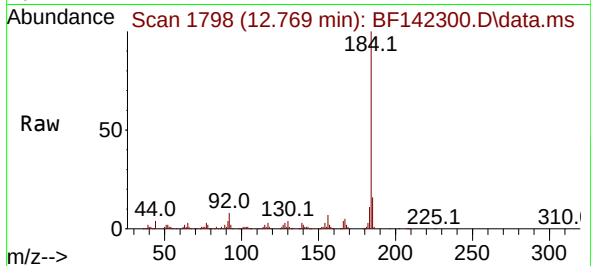




#77
Benzidine
Concen: 58.643 ng
RT: 12.769 min Scan# 1798
Delta R.T. -0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

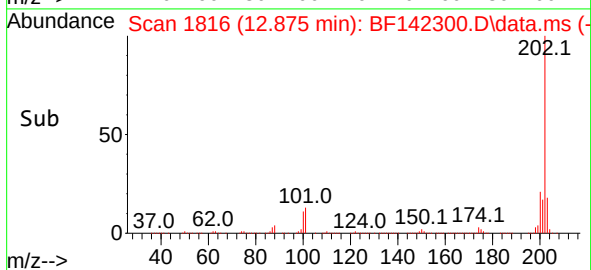
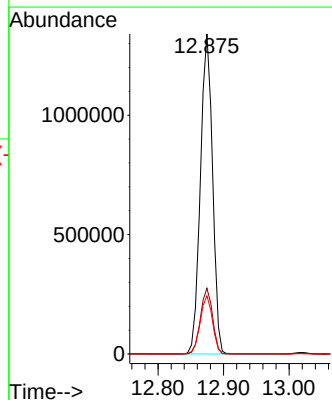
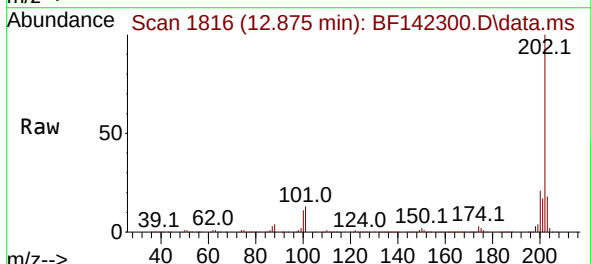
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

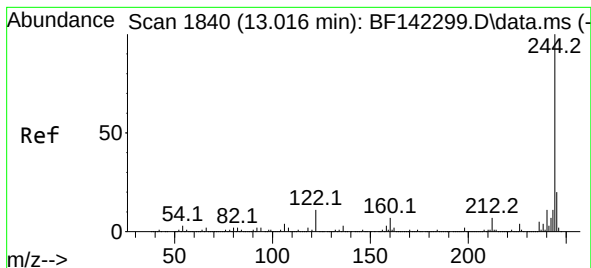
Tgt Ion:184 Resp: 385286
Ion Ratio Lower Upper
184 100
185 15.9 12.6 18.8
183 11.1 8.6 12.8



#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# 1840

Delta R.T. 0.000 min

Lab File: BF142300.D

Acq: 05 May 2025 16:18

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

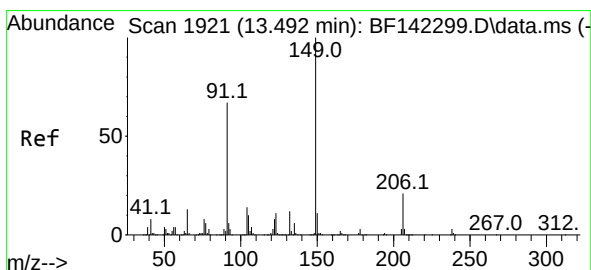
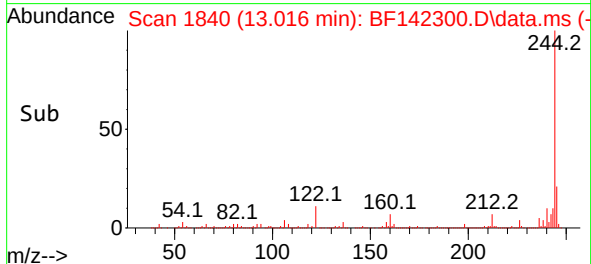
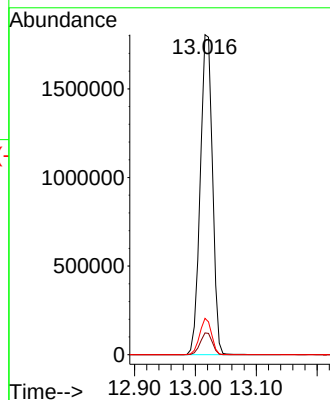
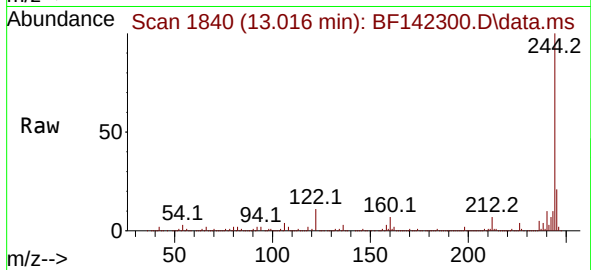
Tgt Ion:244 Resp: 2512161

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

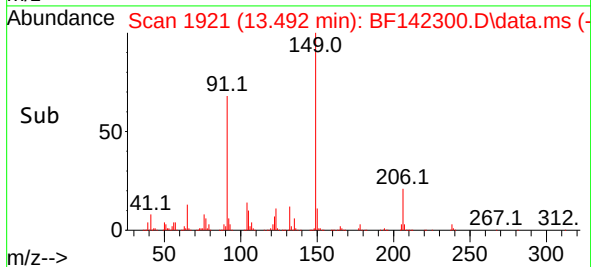
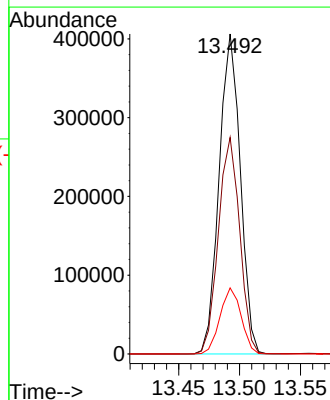
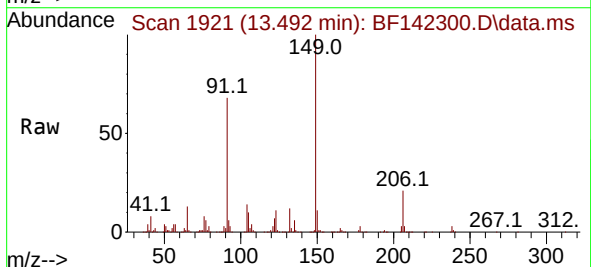
Tgt Ion:149 Resp: 493025

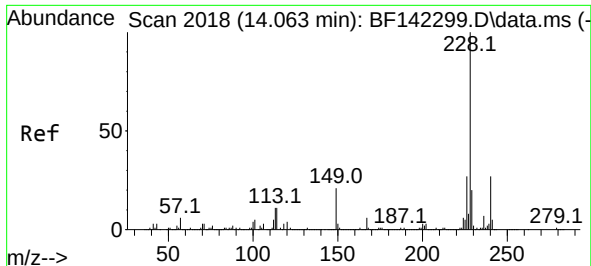
Ion Ratio Lower Upper

149 100

91 67.6 53.8 80.6

206 20.7 16.6 24.8

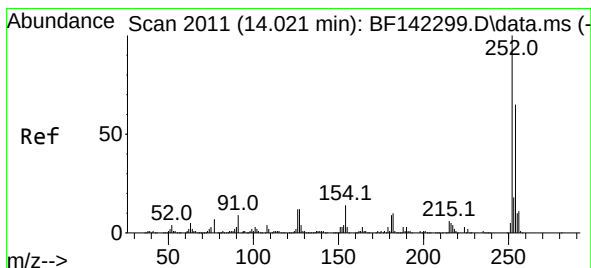
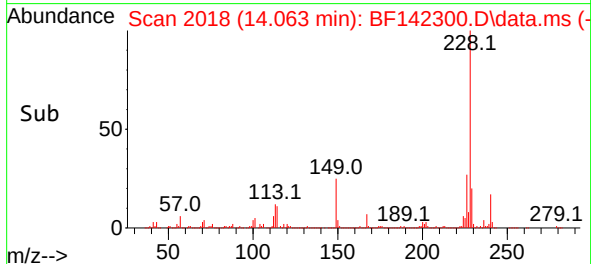
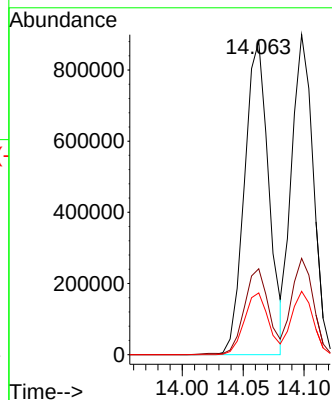
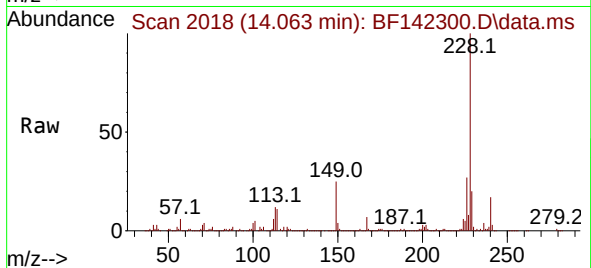




#81
Benzo(a)anthracene
Concen: 52.285 ng
RT: 14.063 min Scan# 2018
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

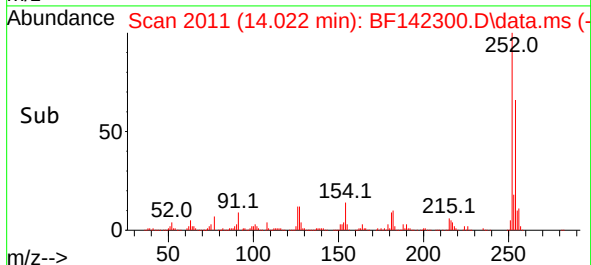
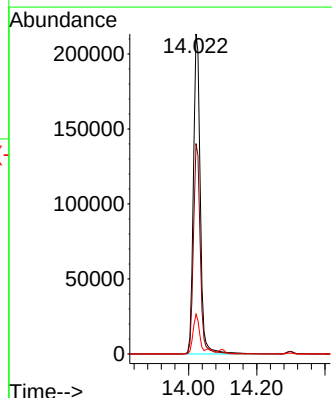
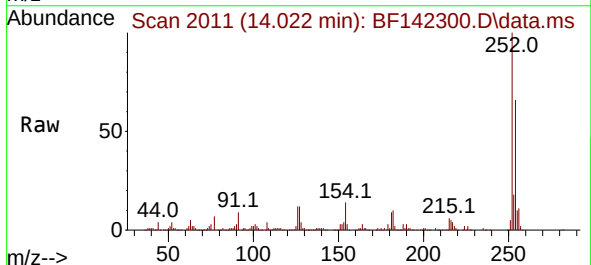
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

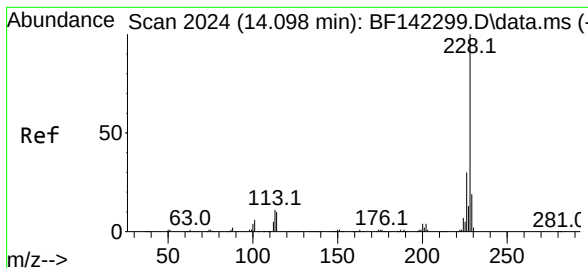
Tgt Ion:228 Resp: 1224138
Ion Ratio Lower Upper
228 100
226 27.4 21.5 32.3
229 19.7 15.9 23.9



#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# 20

Delta R.T. 0.000 min

Lab File: BF142300.D

Acq: 05 May 2025 16:18

Instrument :

BNA_F

ClientSampleId :

SSTDICC050

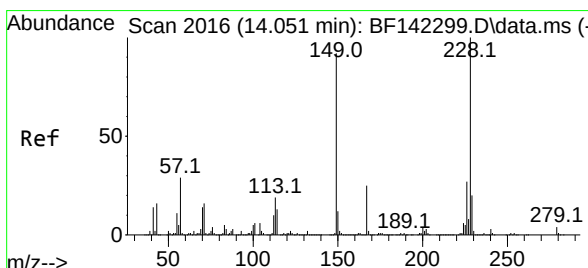
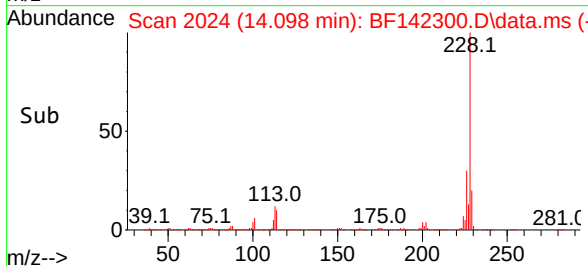
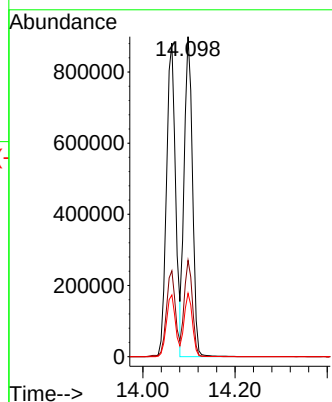
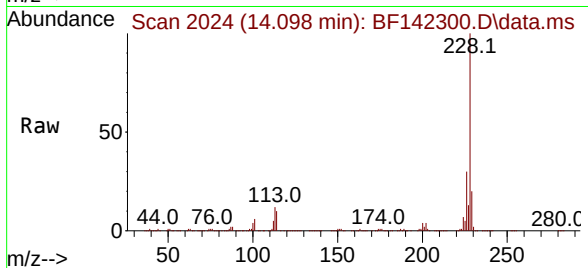
Tgt Ion:228 Resp: 1119046

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

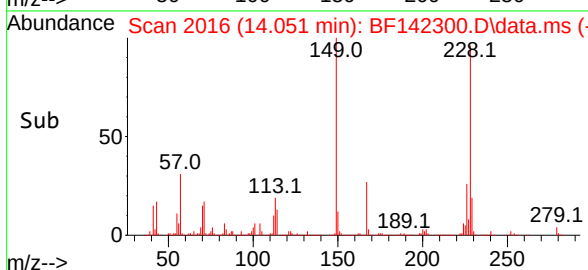
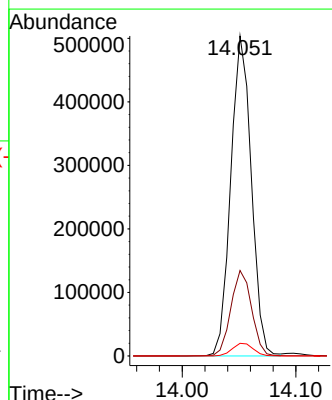
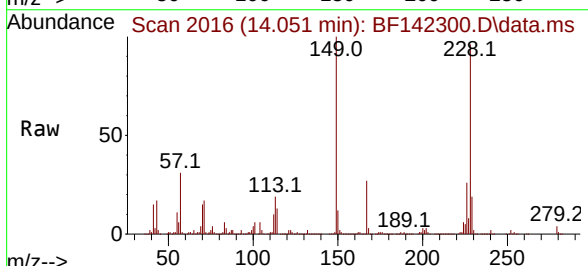
Tgt Ion:149 Resp: 631350

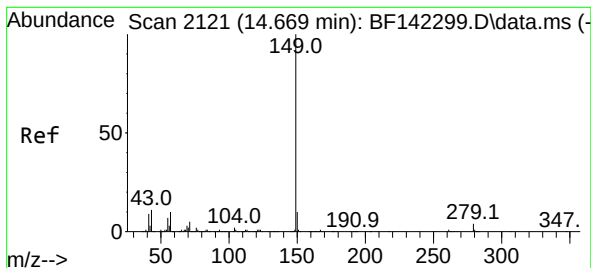
Ion Ratio Lower Upper

149 100

167 26.7 22.0 33.0

279 3.9 3.0 4.6

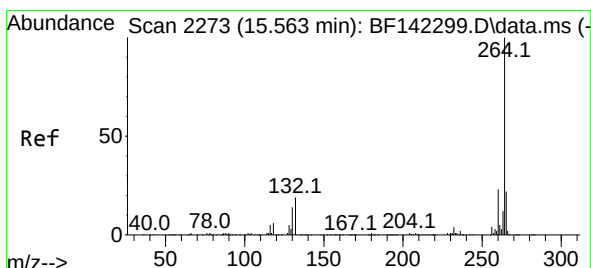
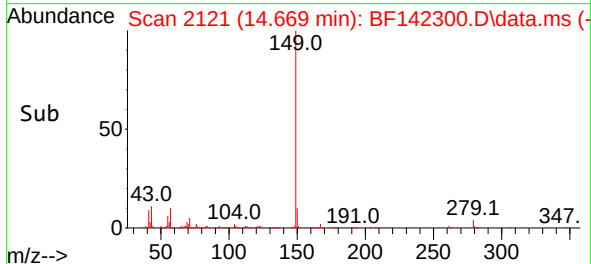
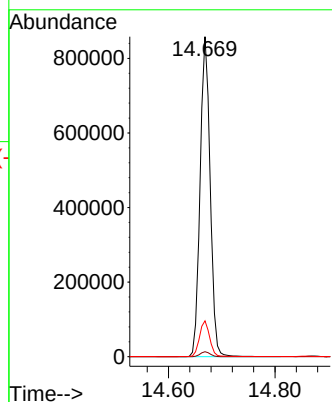
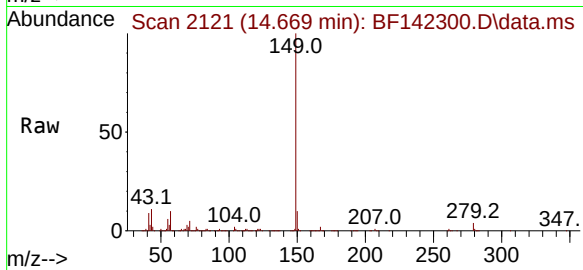




#85
Di-n-octyl phthalate
Concen: 50.417 ng
RT: 14.669 min Scan# 2121
Delta R.T. -0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

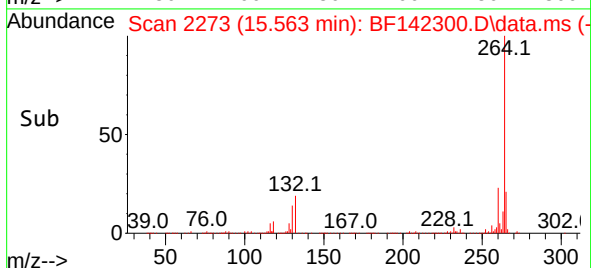
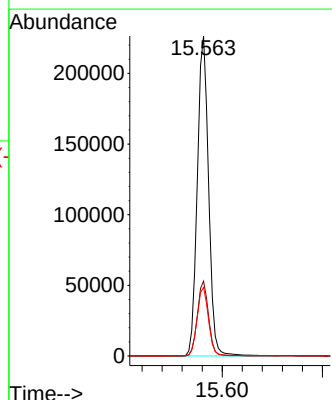
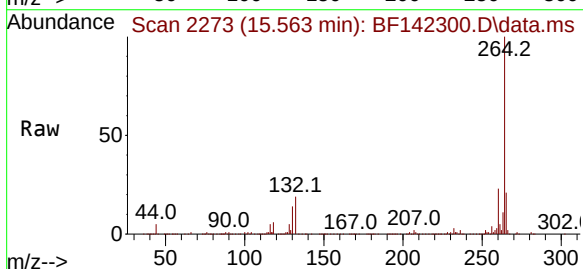
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

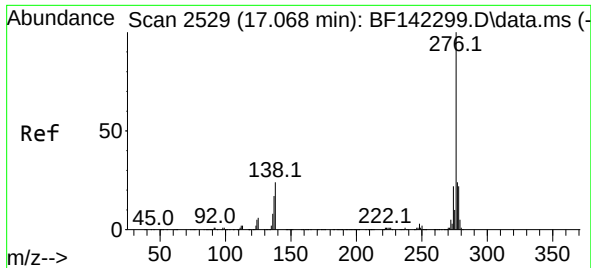
Tgt Ion:149 Resp: 1122100
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 11.4 9.2 13.8



#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

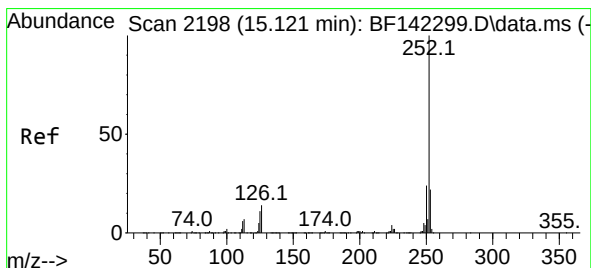
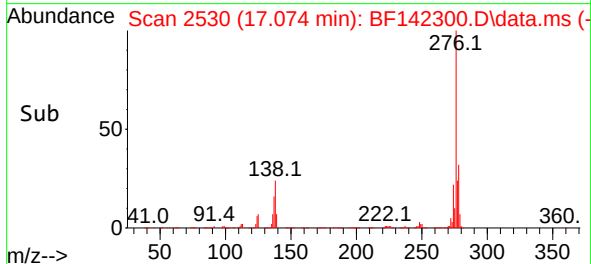
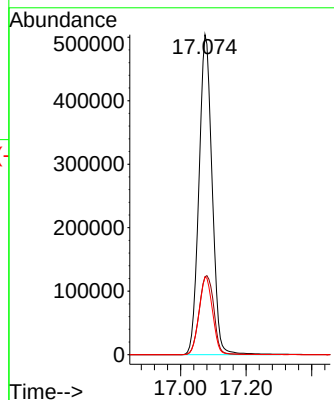
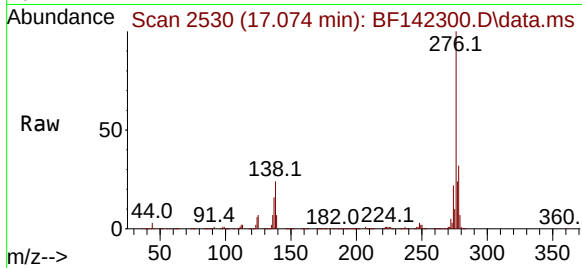




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 57.351 ng
 RT: 17.074 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF142300.D
 Acq: 05 May 2025 16:18

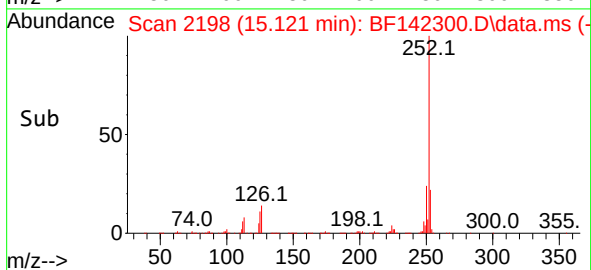
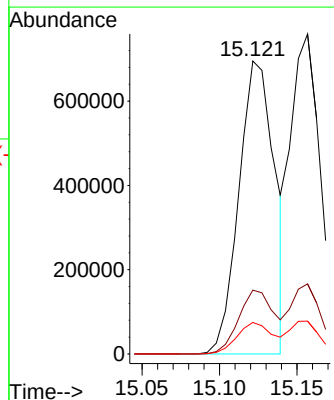
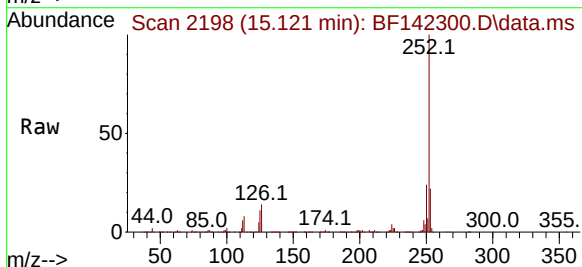
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC050

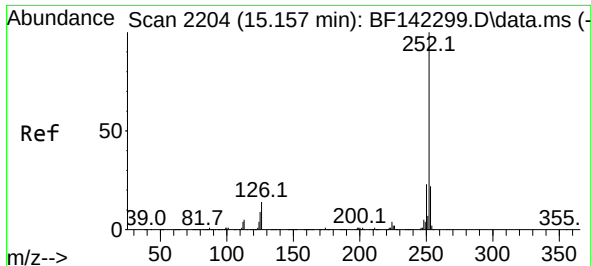
Tgt Ion:276 Resp: 1407239
 Ion Ratio Lower Upper
 276 100
 138 27.7 22.0 33.0
 277 25.0 20.1 30.1



#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

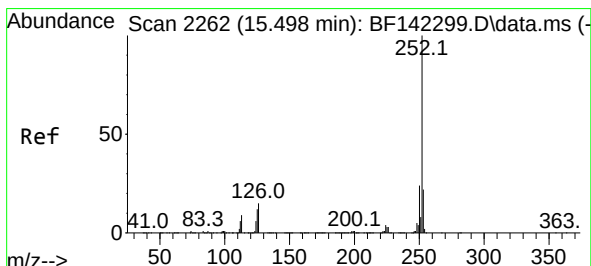
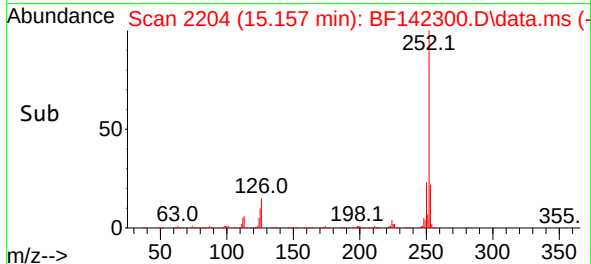
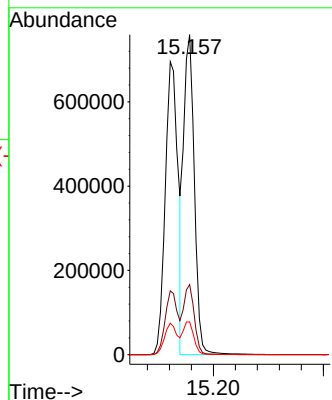
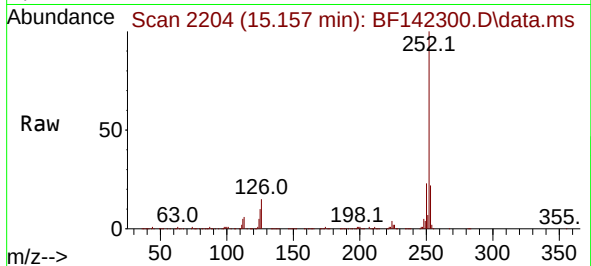




#89
Benzo(k)fluoranthene
Concen: 52.880 ng
RT: 15.157 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

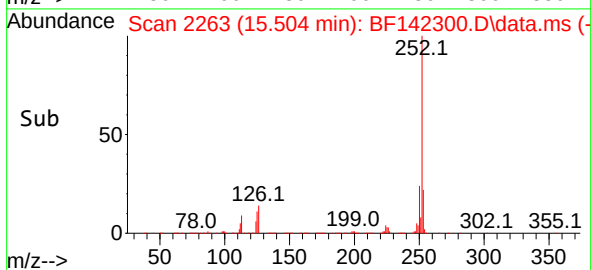
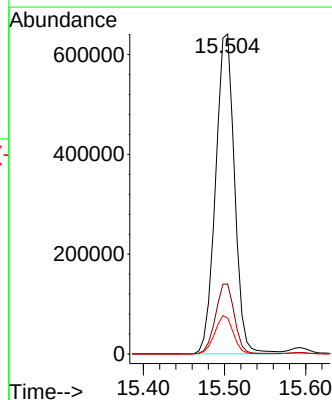
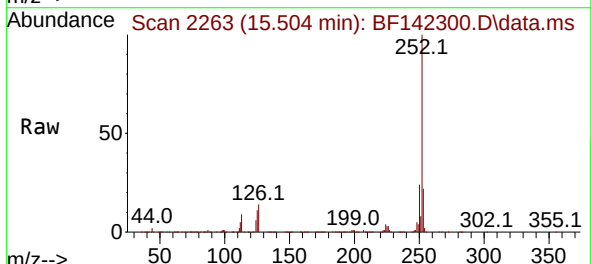
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

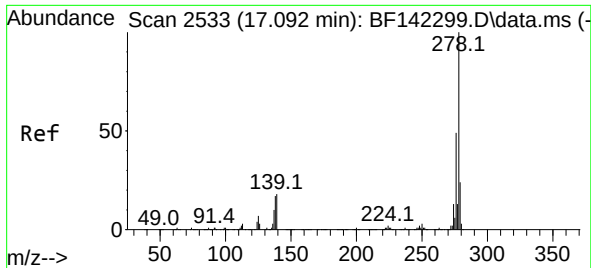
Tgt Ion:252 Resp: 1033813
Ion Ratio Lower Upper
252 100
253 21.9 17.6 26.4
125 10.2 8.1 12.1



#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

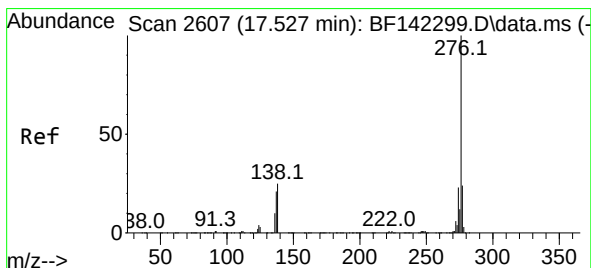
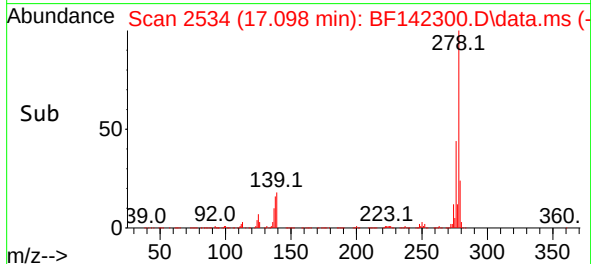
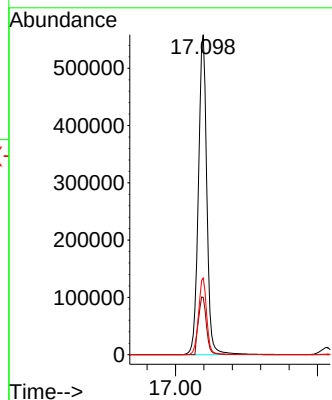
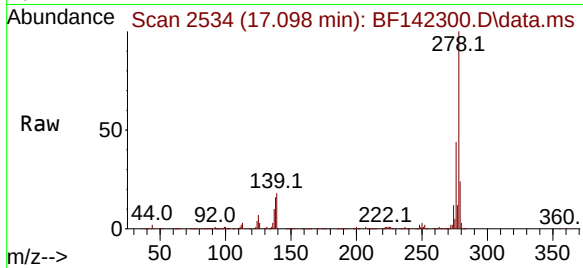




#91
Dibenzo(a,h)anthracene
Concen: 56.905 ng
RT: 17.098 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF142300.D
Acq: 05 May 2025 16:18

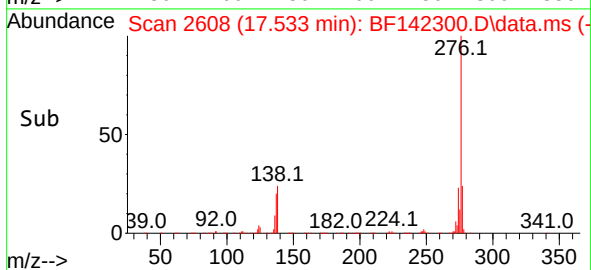
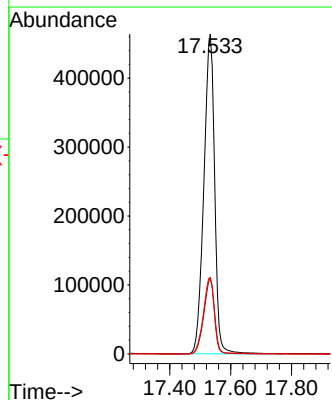
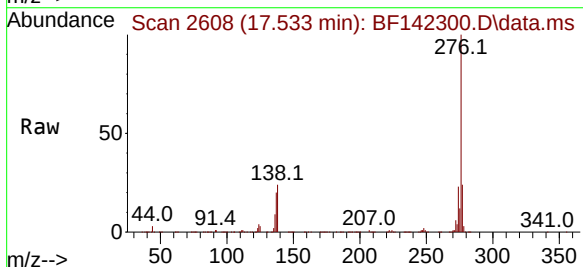
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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



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

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

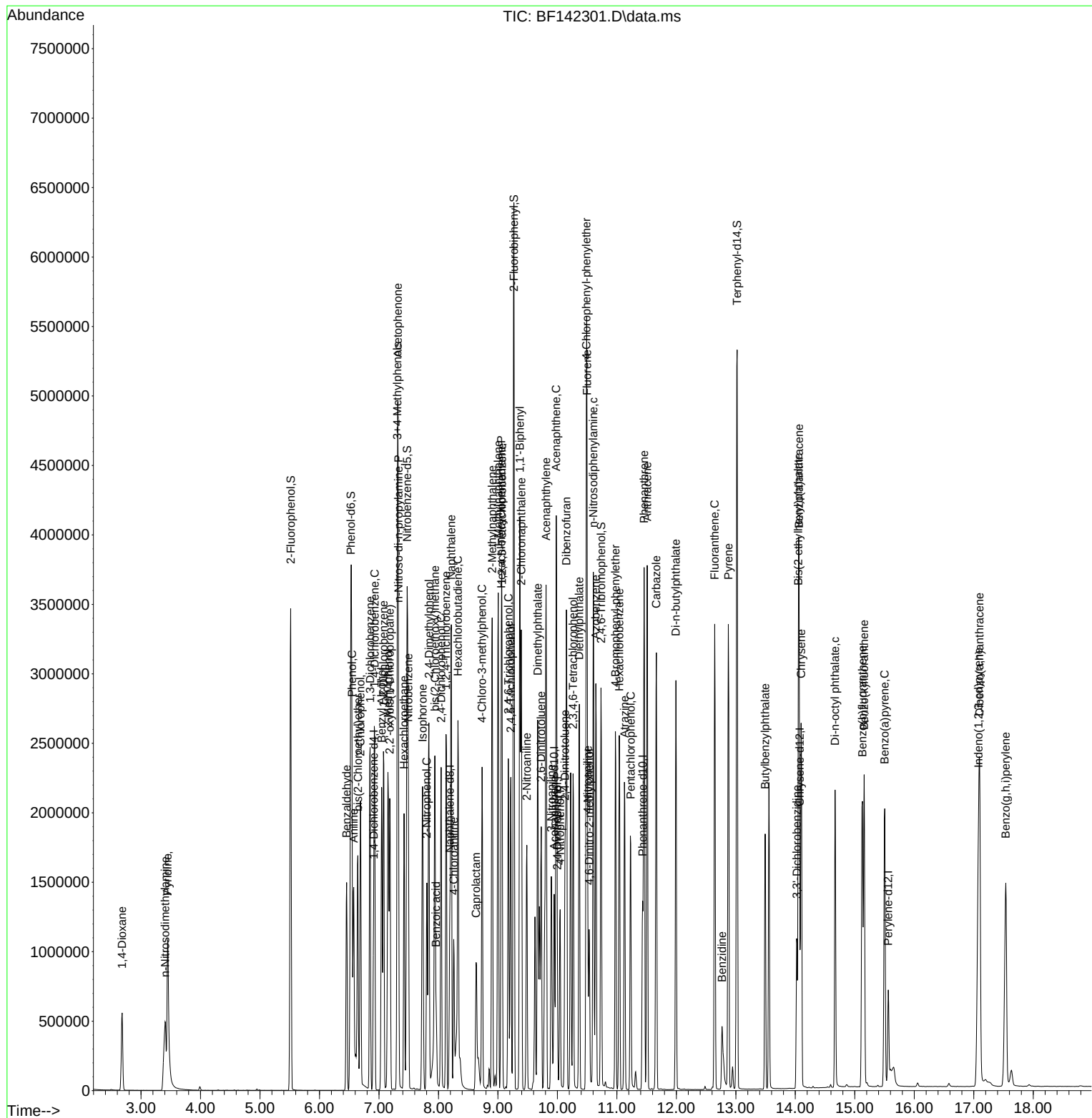
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.216	196	480305	63.505	ng	99
46) 1,1'-Biphenyl	9.369	154	1745424	56.417	ng	99
47) 2-Chloronaphthalene	9.392	162	1338338	58.169	ng	99
48) 2-Nitroaniline	9.486	65	407862	69.160	ng	95
49) Acenaphthylene	9.810	152	2215774	57.569	ng	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

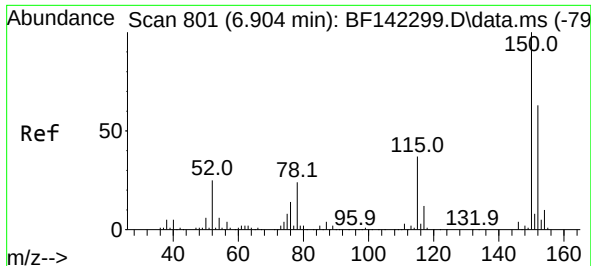
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

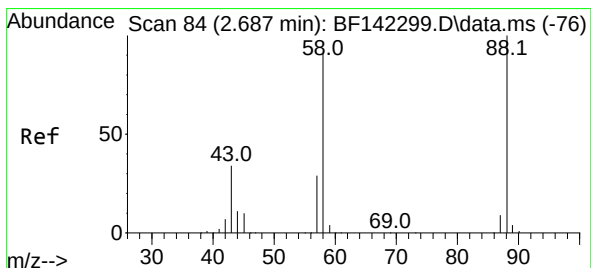
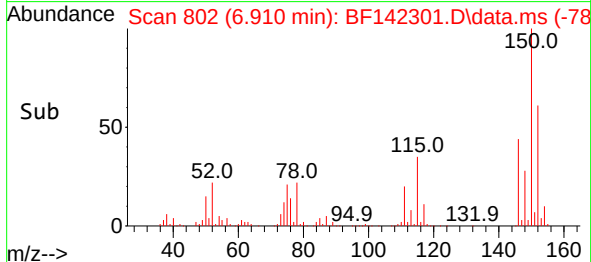
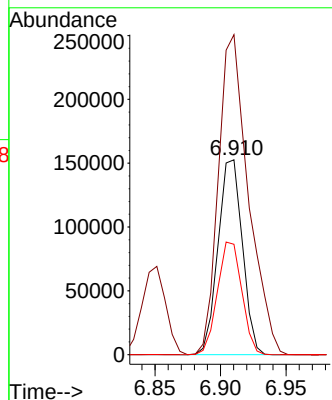
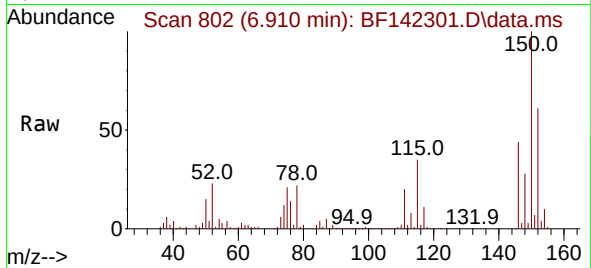




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.910 min Scan# 80
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

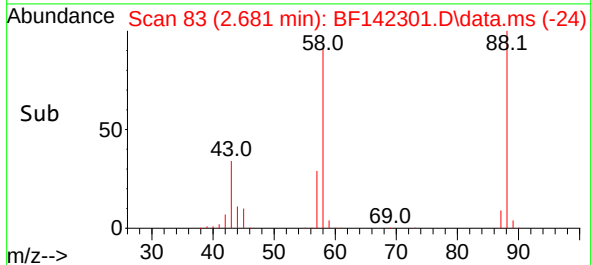
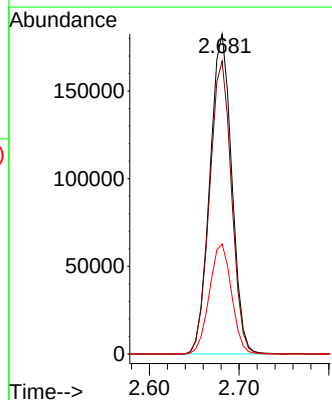
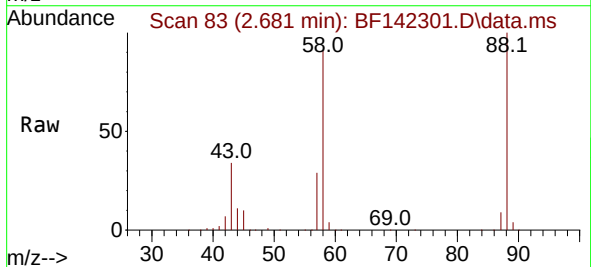
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

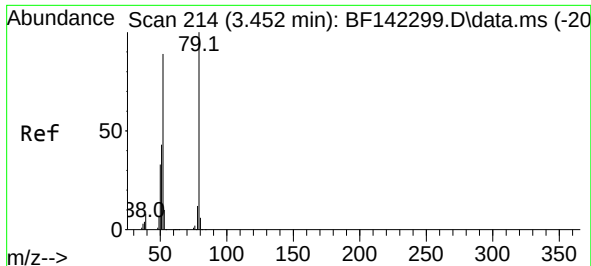
Tgt Ion:152 Resp: 197459
Ion Ratio Lower Upper
152 100
150 164.2 126.6 190.0
115 56.7 47.3 70.9



#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

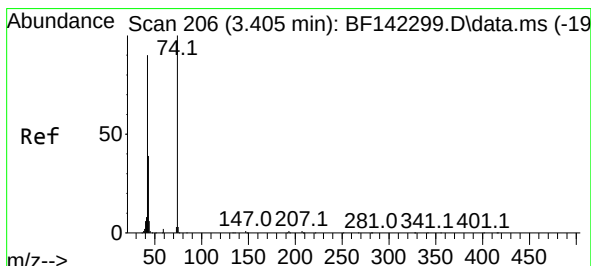
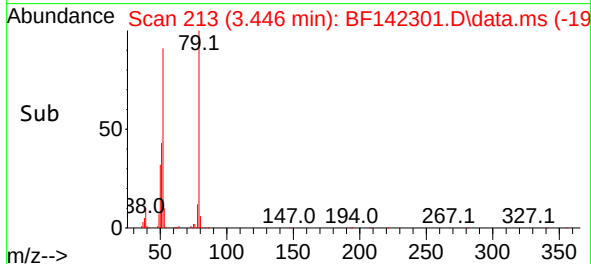
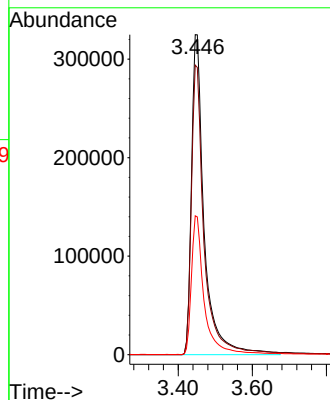
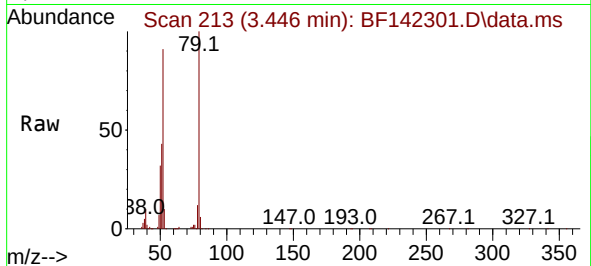




#3
Pyridine
Concen: 63.459 ng
RT: 3.446 min Scan# 214
Delta R.T. -0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

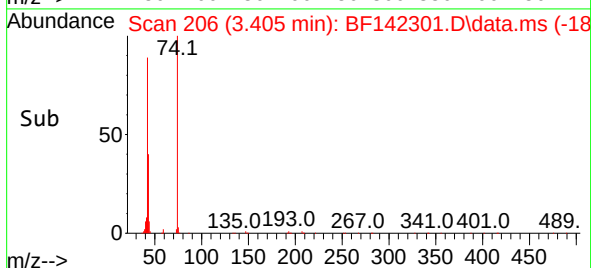
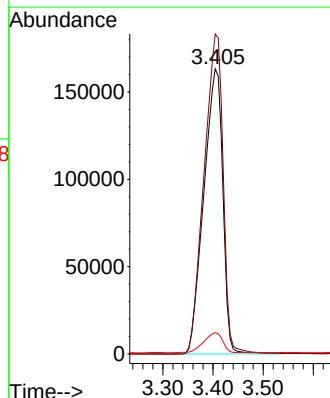
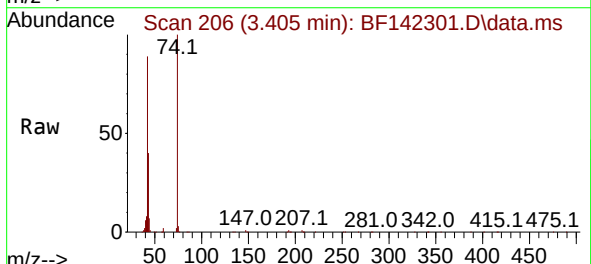
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

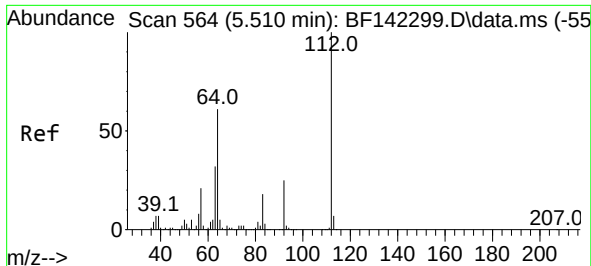
Tgt Ion: 79 Resp: 777252
Ion Ratio Lower Upper
79 100
52 90.5 71.0 106.4
51 43.4 34.9 52.3



#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

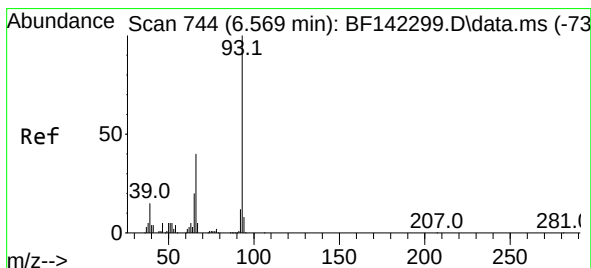
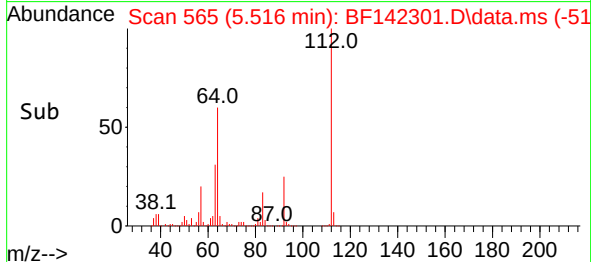
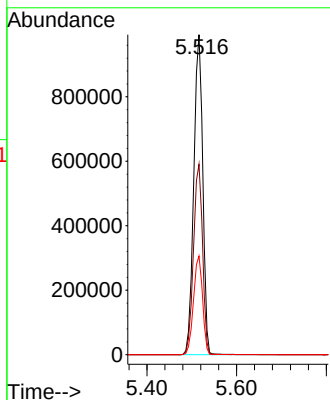
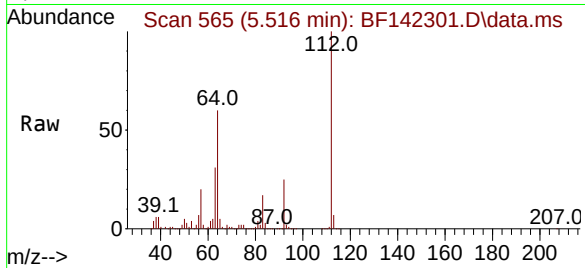




#5
2-Fluorophenol
Concen: 119.365 ng
RT: 5.516 min Scan# 501
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

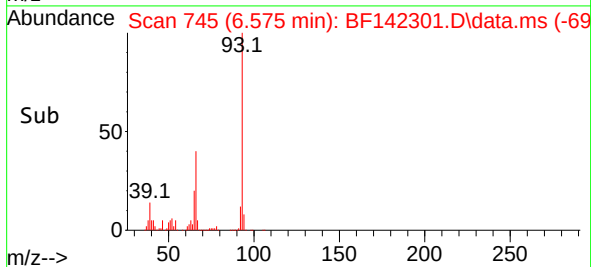
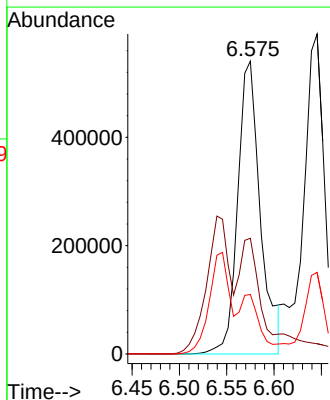
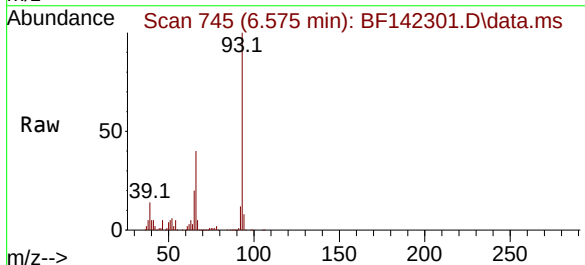
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

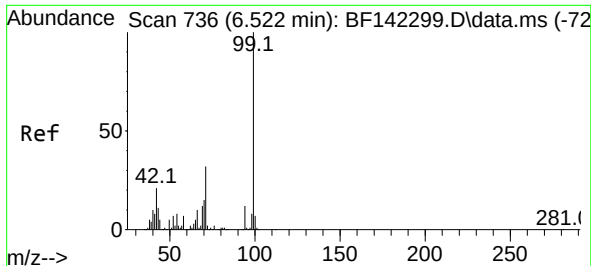
Tgt Ion:112 Resp: 1380708
Ion Ratio Lower Upper
112 100
64 59.5 48.9 73.3
63 30.8 25.6 38.4



#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# 736

Delta R.T. 0.006 min

Lab File: BF142301.D

Acq: 05 May 2025 16:47

Instrument :

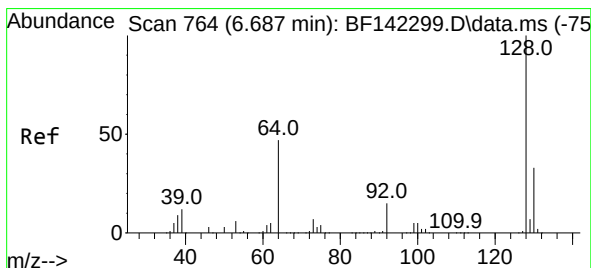
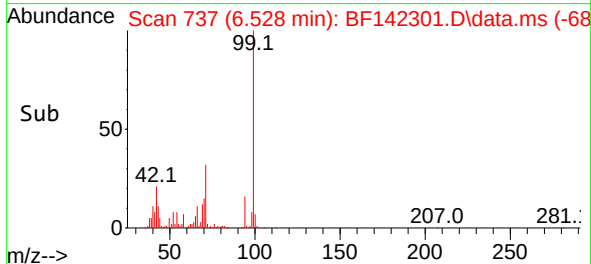
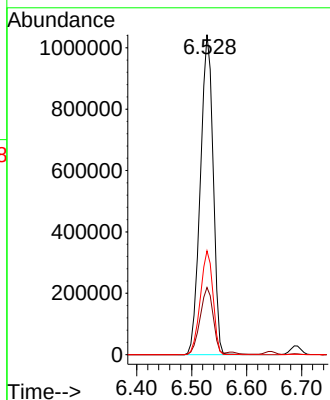
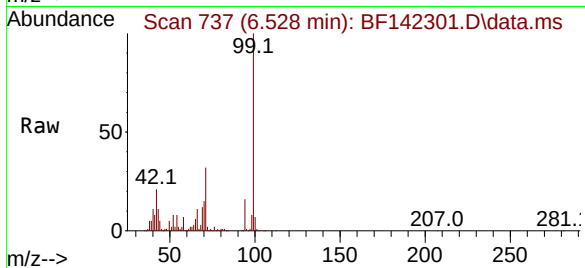
BNA_F

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

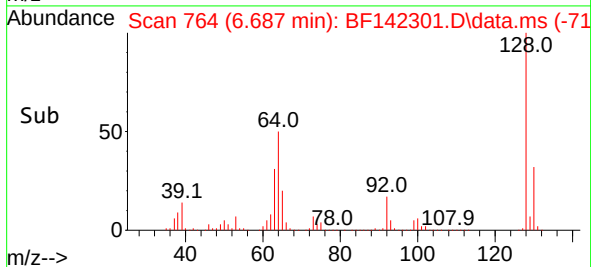
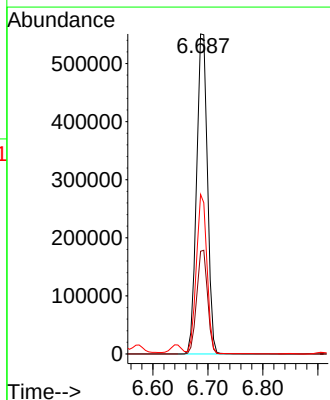
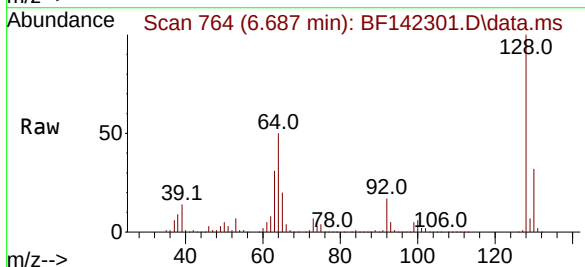
Delta R.T. -0.000 min

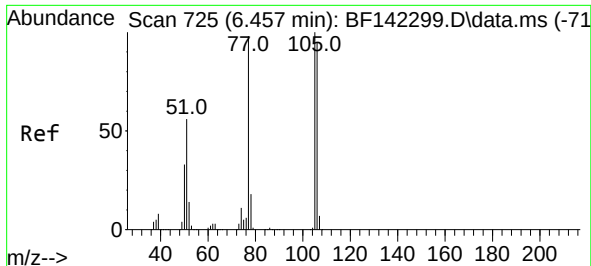
Lab File: BF142301.D

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# 71

Delta R.T. 0.000 min

Lab File: BF142301.D

Acq: 05 May 2025 16:47

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

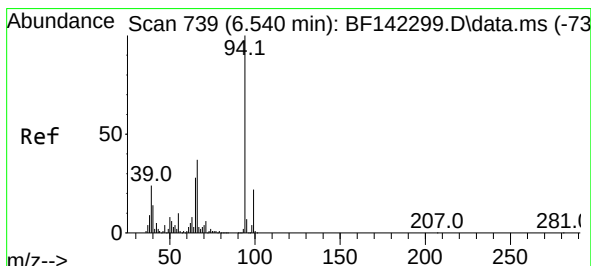
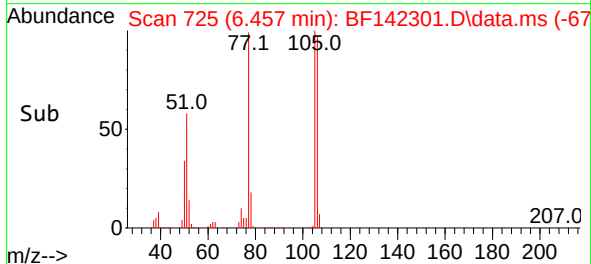
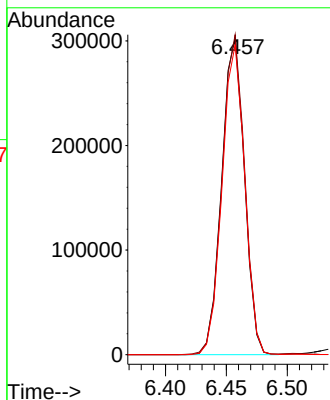
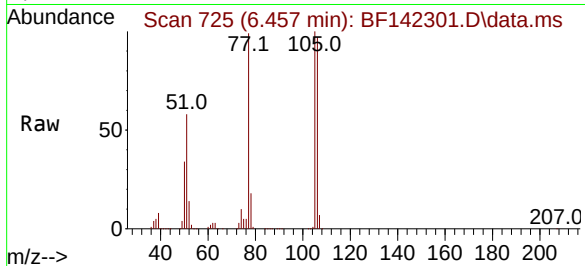
Tgt Ion: 77 Resp: 392710

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

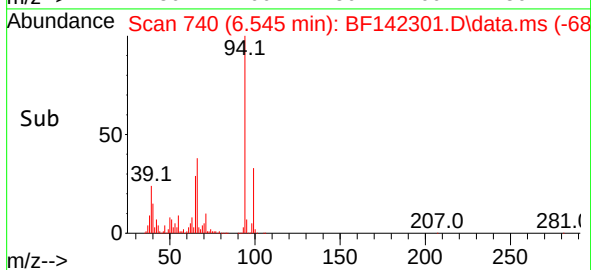
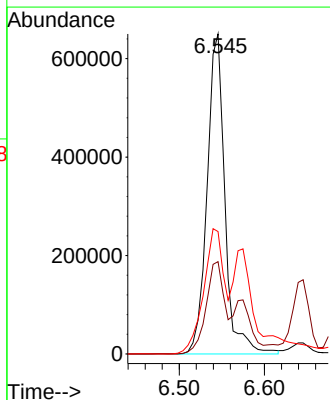
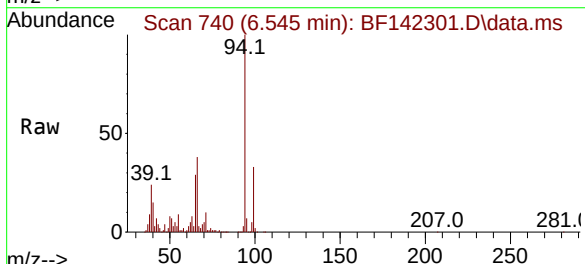
Tgt Ion: 94 Resp: 946972

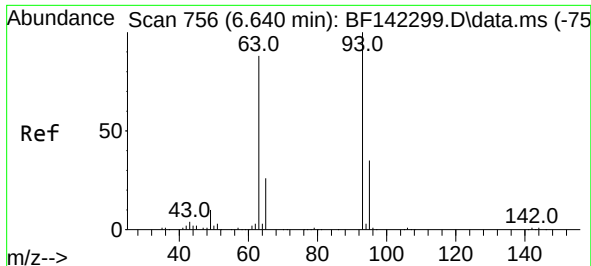
Ion Ratio Lower Upper

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# 756

Delta R.T. 0.006 min

Lab File: BF142301.D

Acq: 05 May 2025 16:47

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

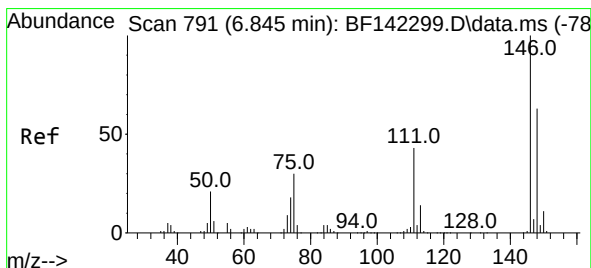
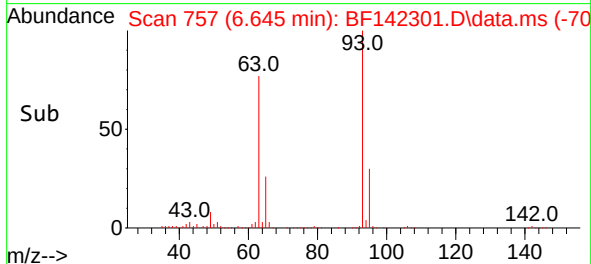
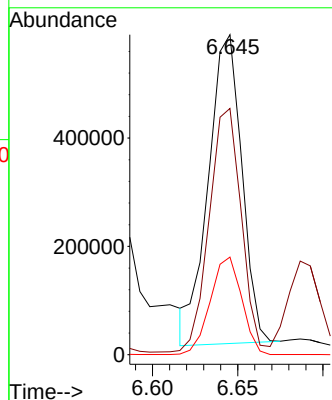
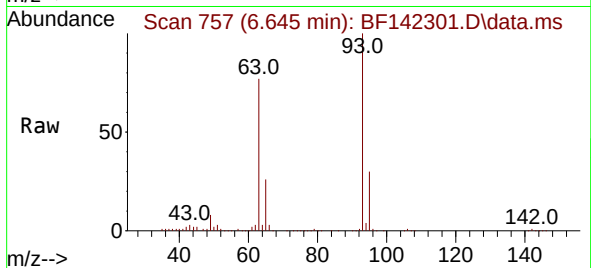
Tgt Ion: 93 Resp: 780456

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

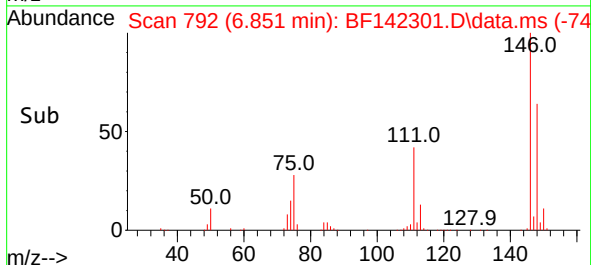
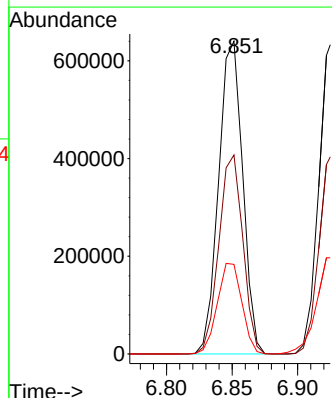
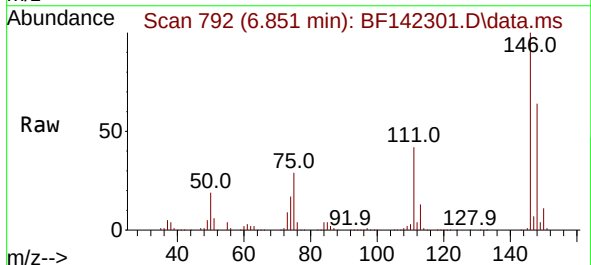
Tgt Ion: 146 Resp: 816681

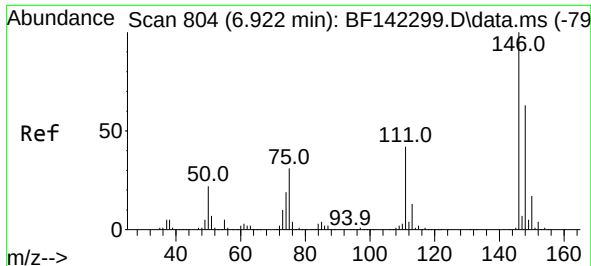
Ion Ratio Lower Upper

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# 804

Delta R.T. 0.006 min

Lab File: BF142301.D

Acq: 05 May 2025 16:47

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

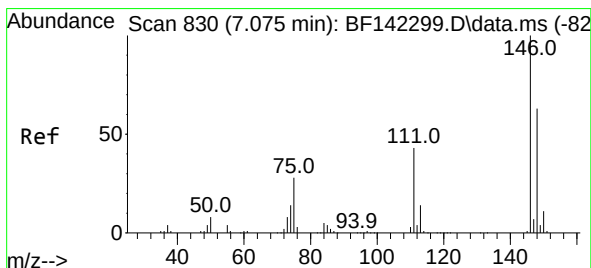
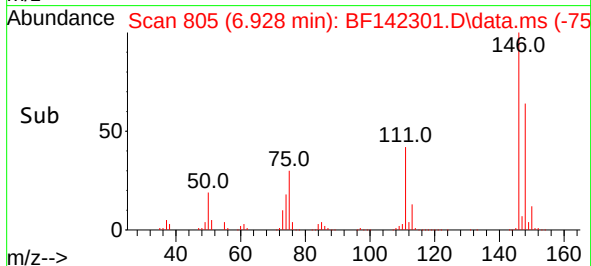
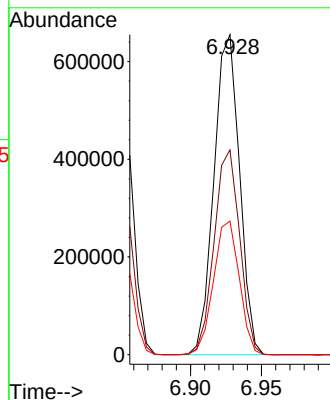
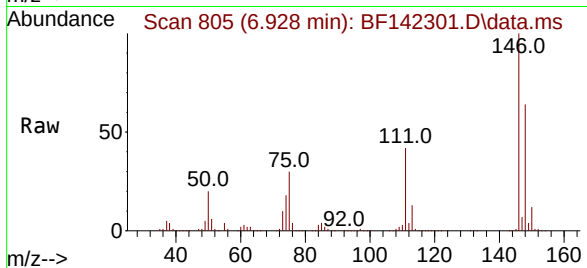
Tgt Ion:146 Resp: 820881

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

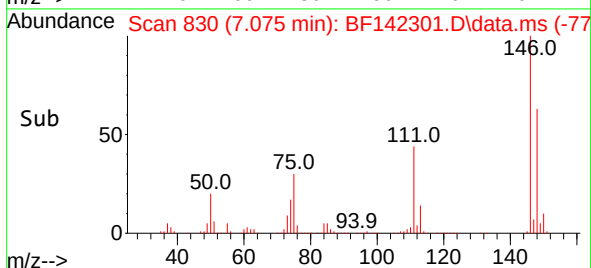
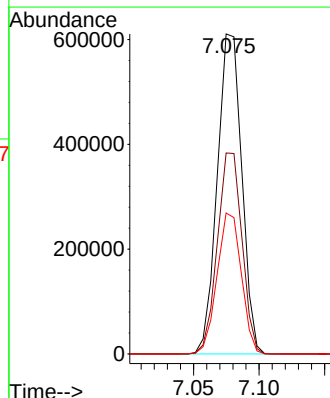
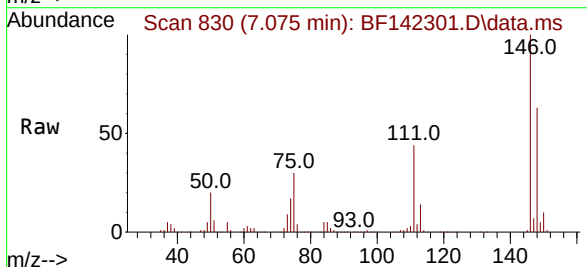
Tgt Ion:146 Resp: 794010

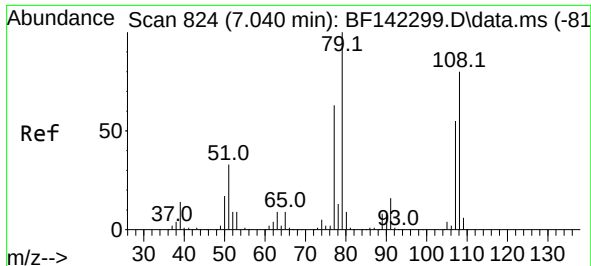
Ion Ratio Lower Upper

146 100

148 62.8 50.3 75.5

111 44.1 34.5 51.7

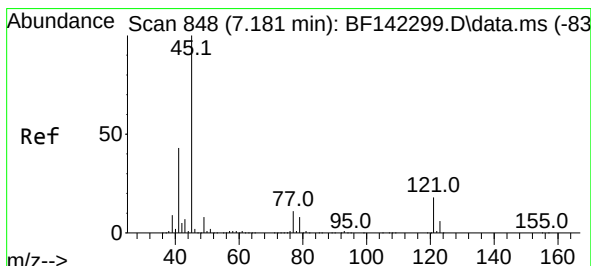
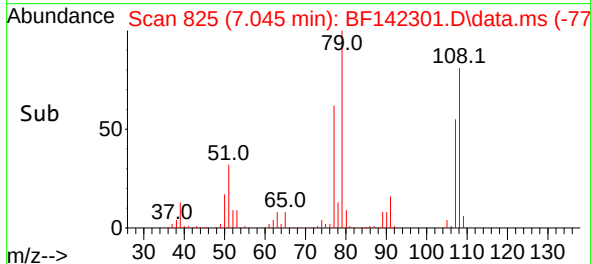
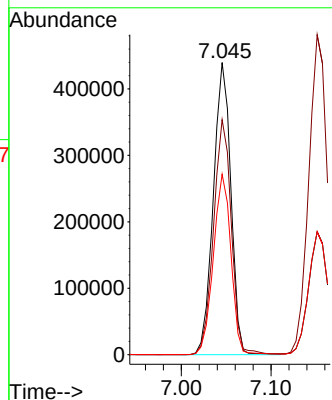
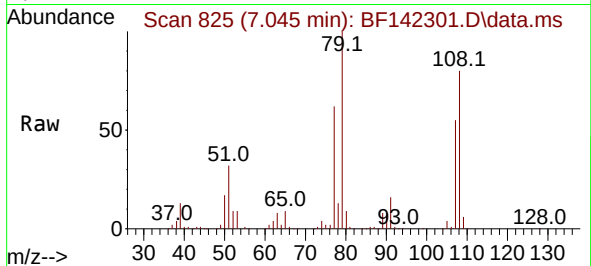




#15
Benzyl Alcohol
Concen: 64.809 ng
RT: 7.045 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

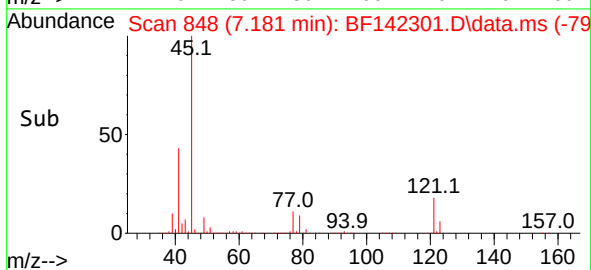
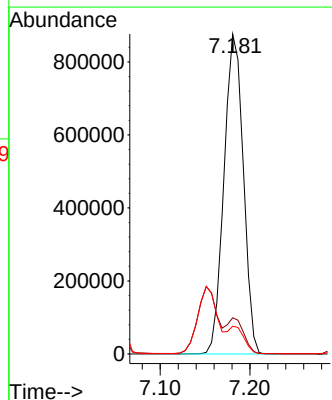
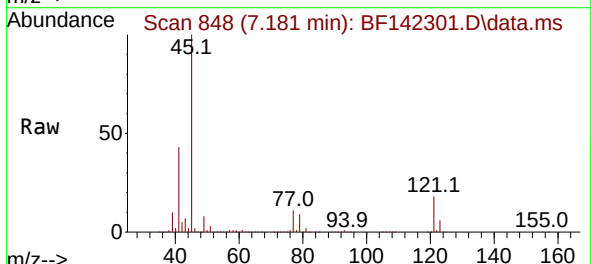
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

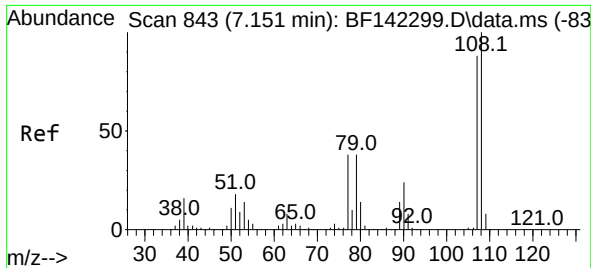
Tgt Ion: 79 Resp: 597038
Ion Ratio Lower Upper
79 100
108 80.5 63.9 95.9
77 61.8 50.7 76.1



#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



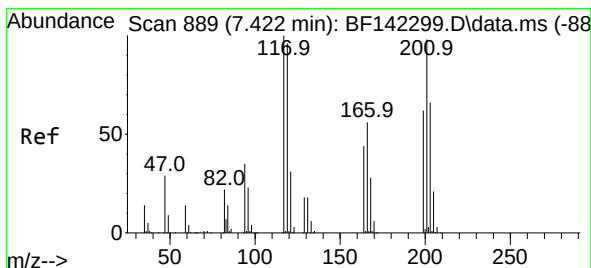
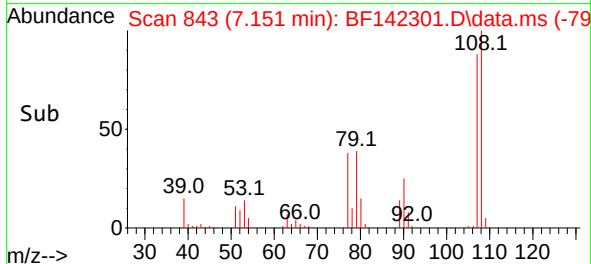
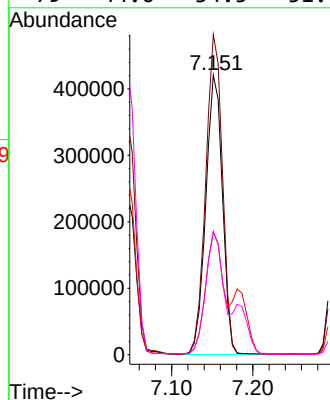
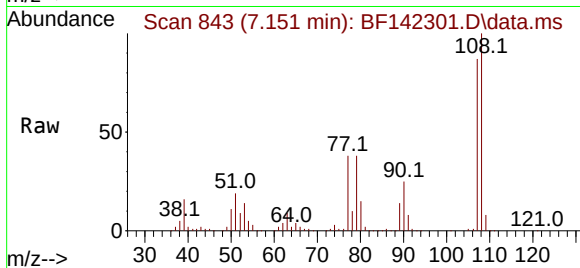


#17
2-Methylphenol
Concen: 59.949 ng
RT: 7.151 min Scan# 843
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:107 Resp: 599927

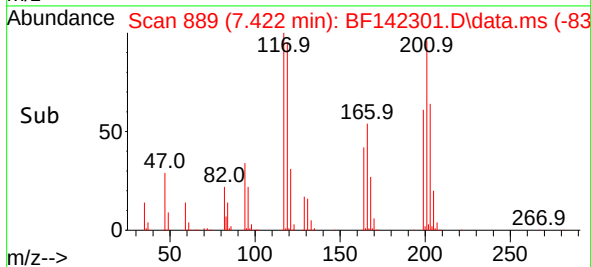
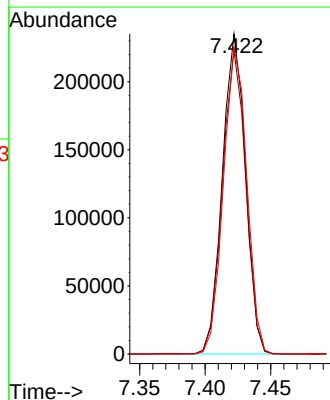
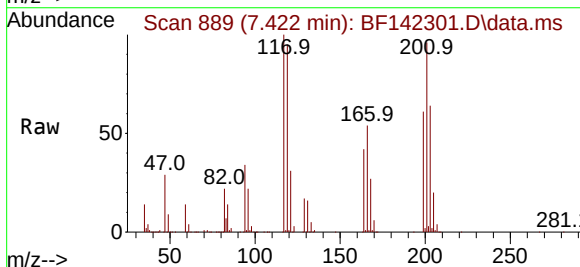
Ion	Ratio	Lower	Upper
107	100		
108	114.5	91.1	136.7
77	44.0	34.7	52.1
79	44.0	34.5	51.7

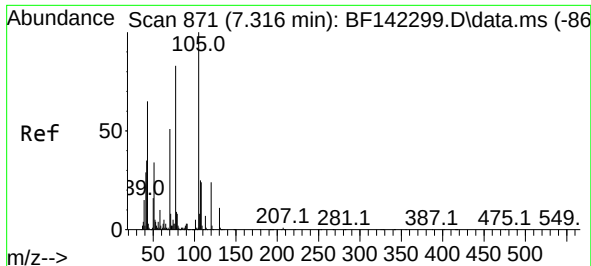


#18
Hexachloroethane
Concen: 61.032 ng
RT: 7.422 min Scan# 889
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

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

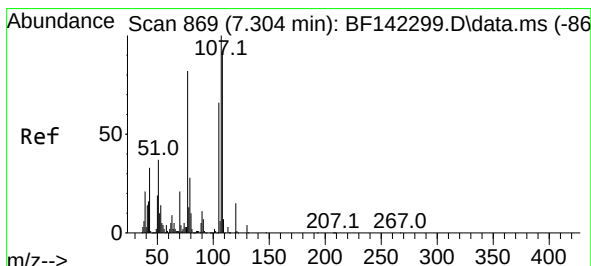
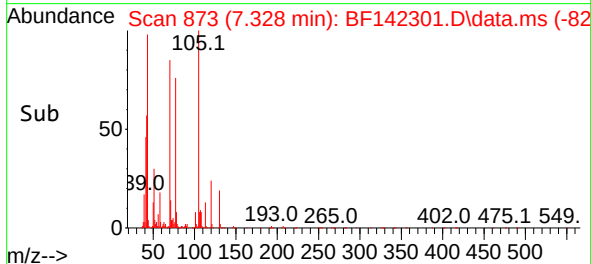
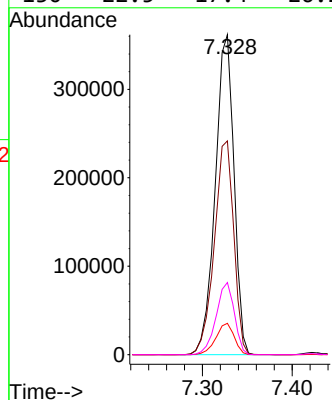
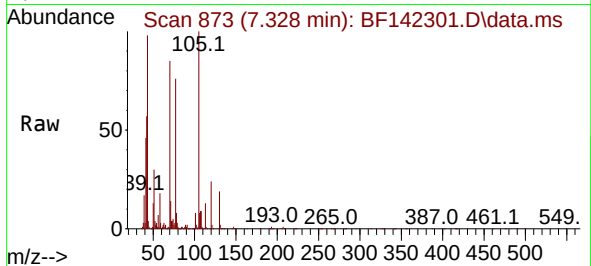




#19
n-Nitroso-di-n-propylamine
Concen: 59.543 ng
RT: 7.328 min Scan# 81
Delta R.T. 0.012 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

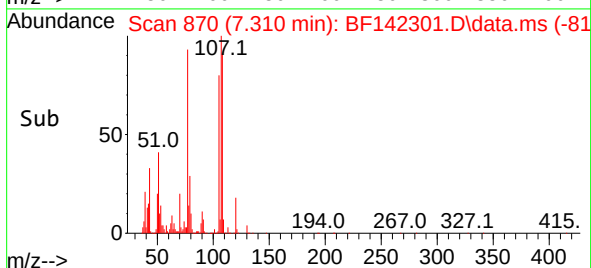
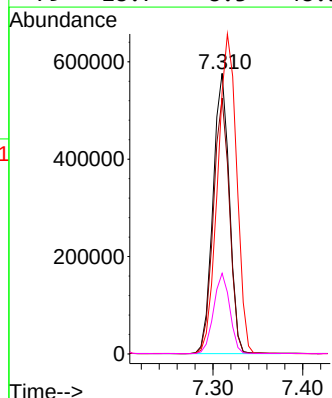
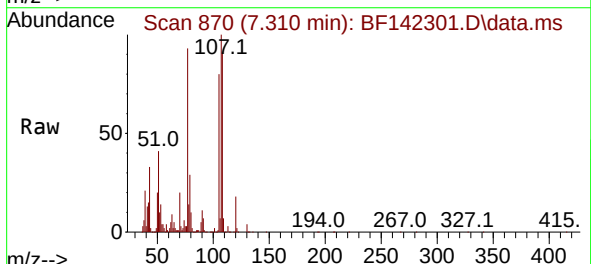
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

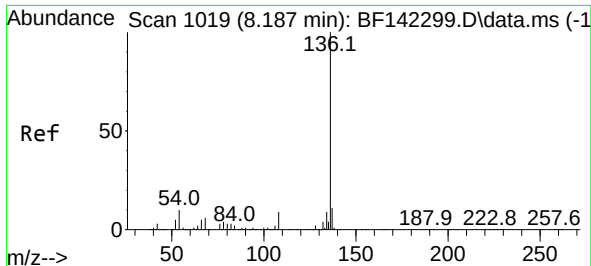
Tgt Ion: 70 Resp: 523983
Ion Ratio Lower Upper
70 100
42 66.8 54.8 82.2
101 9.8 7.7 11.5
130 22.5 17.4 26.2



#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

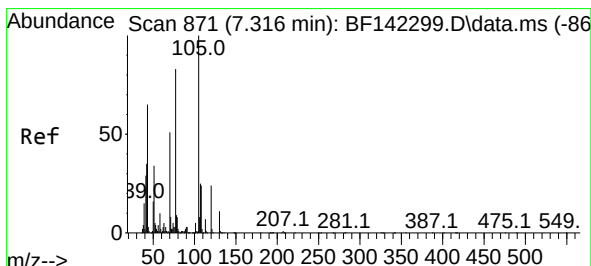
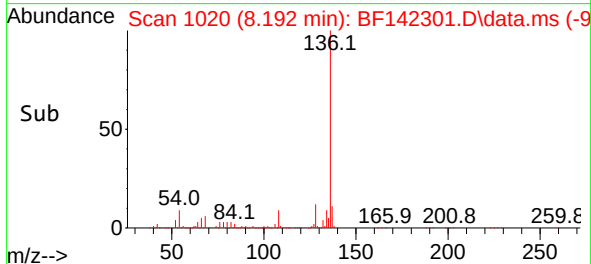
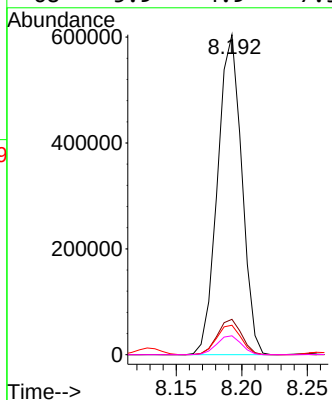
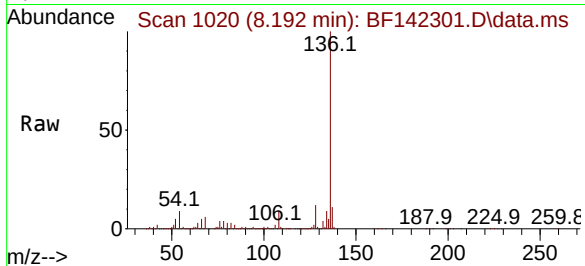




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.192 min Scan# 1020
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

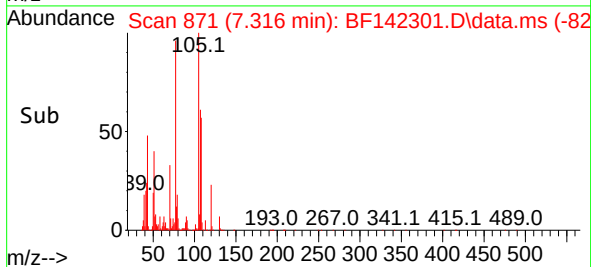
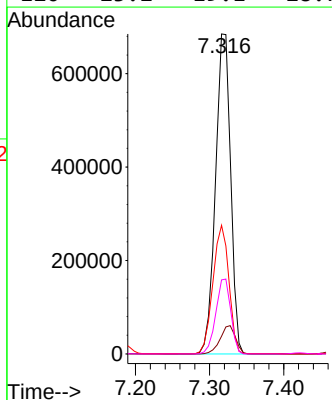
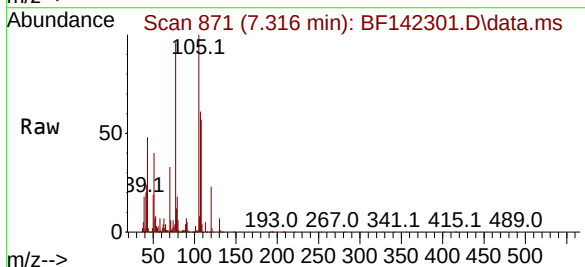
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

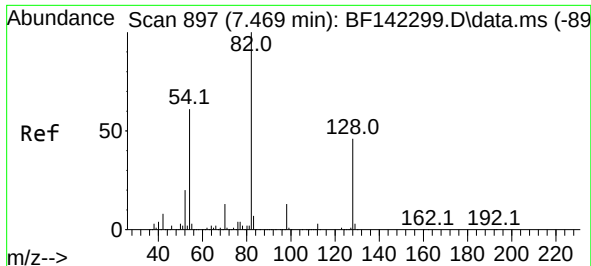
Tgt Ion:136	Resp: 774183
Ion Ratio	Lower Upper
136 100	
137 11.0	8.9 13.3
54 9.2	7.7 11.5
68 5.9	4.9 7.3



#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

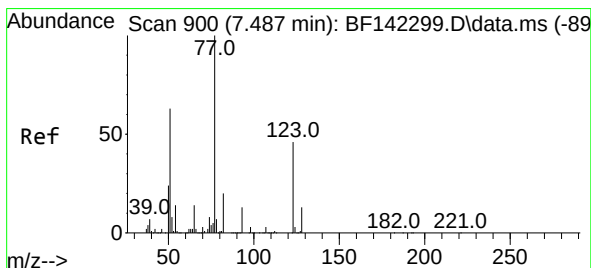
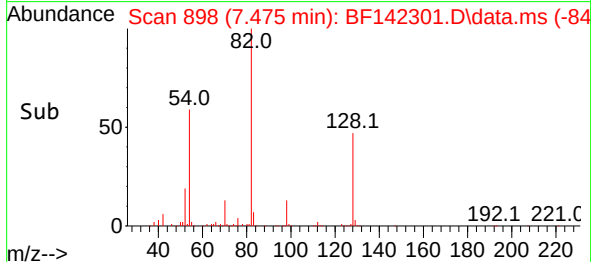
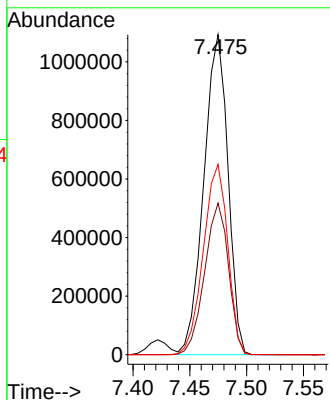
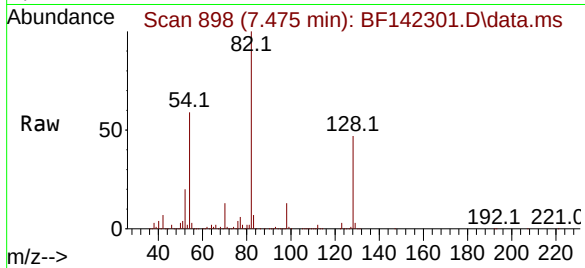




#23
Nitrobenzene-d5
Concen: 127.189 ng
RT: 7.475 min Scan# 897
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

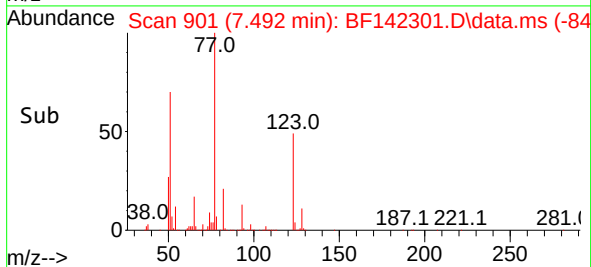
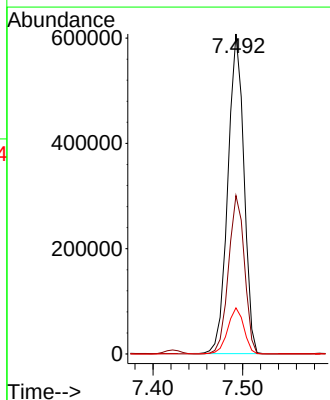
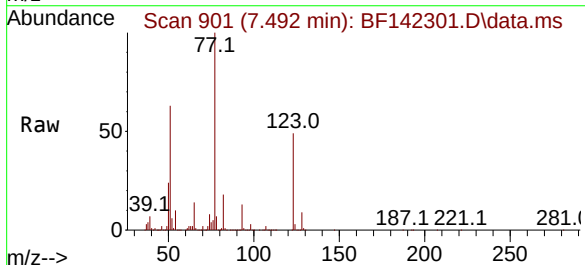
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

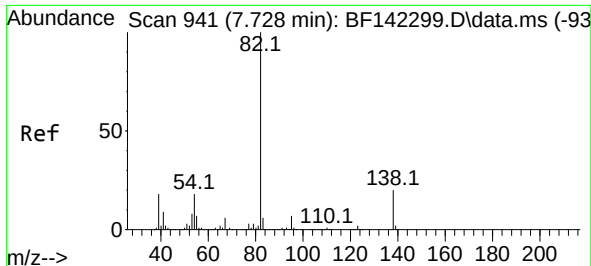
Tgt Ion: 82 Resp: 1614559
Ion Ratio Lower Upper
82 100
128 47.4 37.0 55.6
54 59.4 48.6 73.0



#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

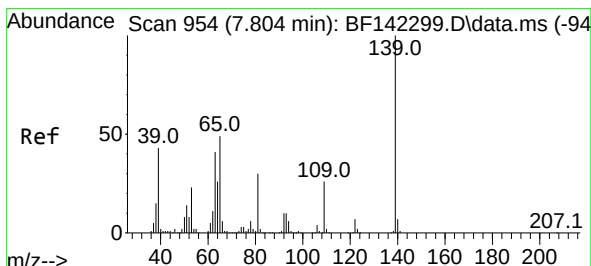
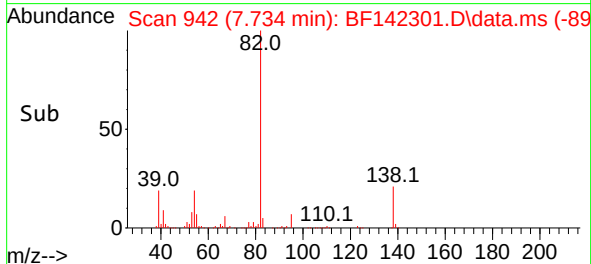
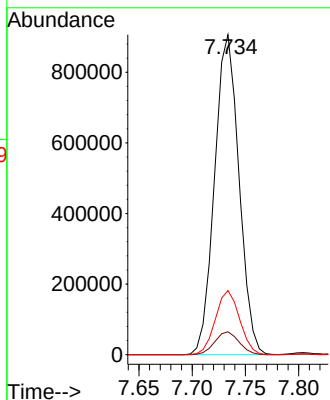
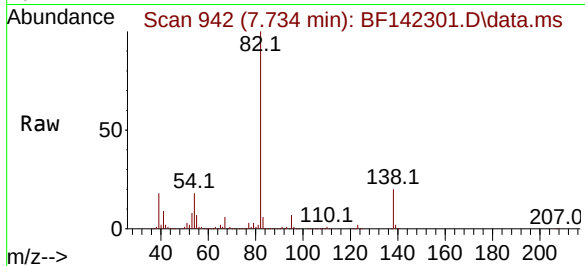




#25
Isophorone
Concen: 60.087 ng
RT: 7.734 min Scan# 941
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

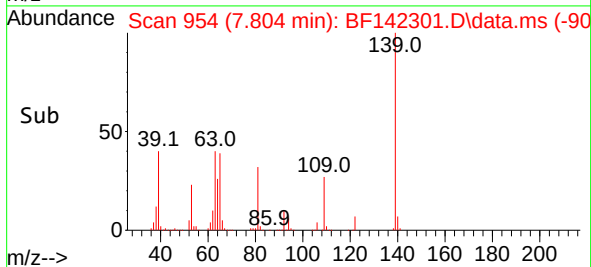
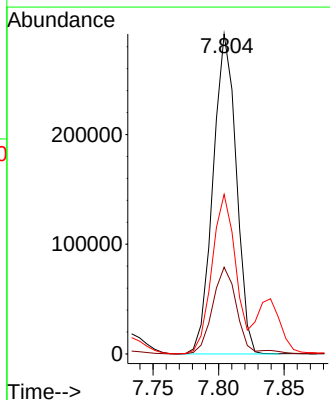
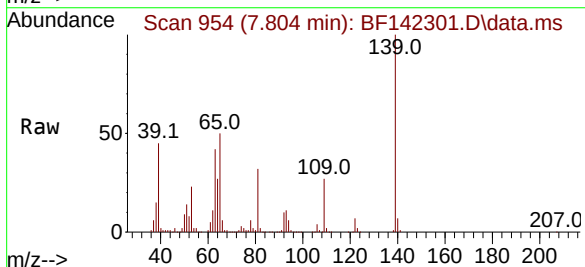
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

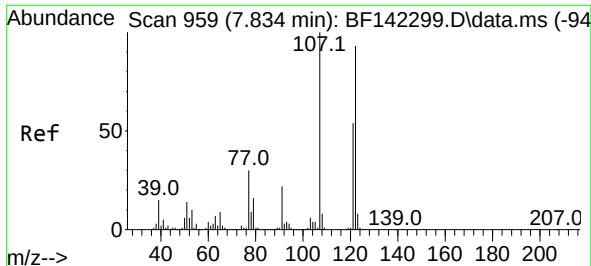
Tgt Ion: 82 Resp: 1444396
Ion Ratio Lower Upper
82 100
95 7.1 5.8 8.8
138 20.1 16.1 24.1



#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

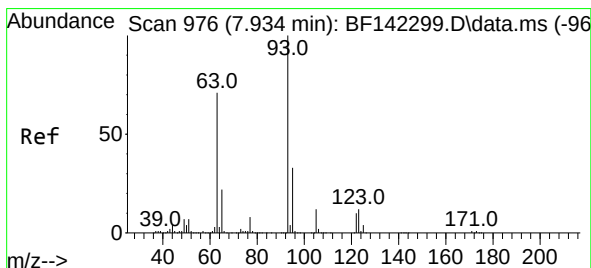
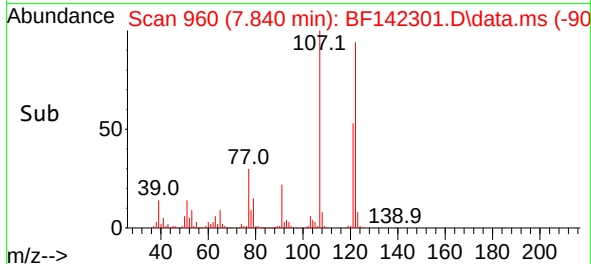
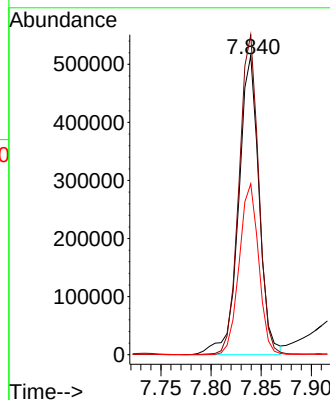
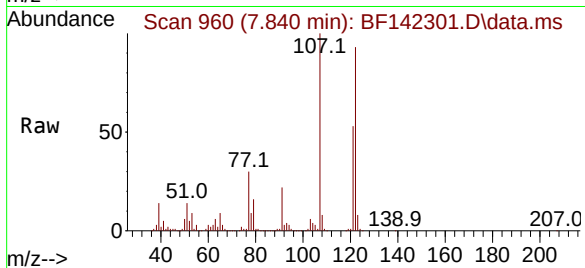
Tgt Ion:122 Resp: 729069

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

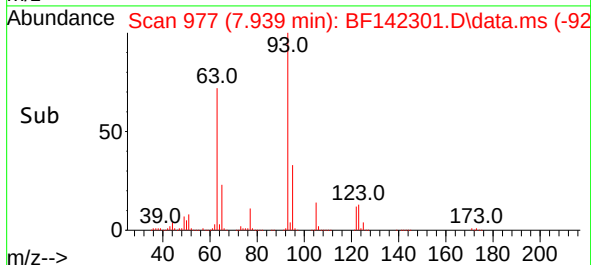
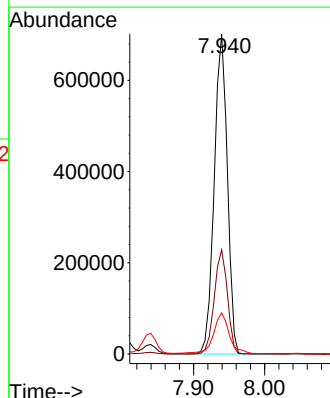
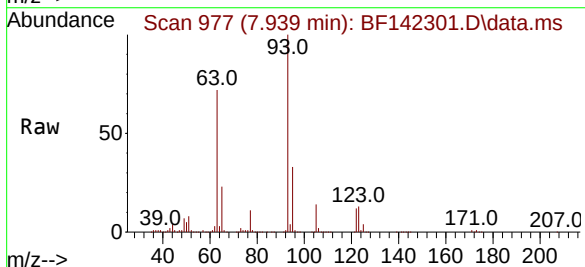
Tgt Ion: 93 Resp: 896741

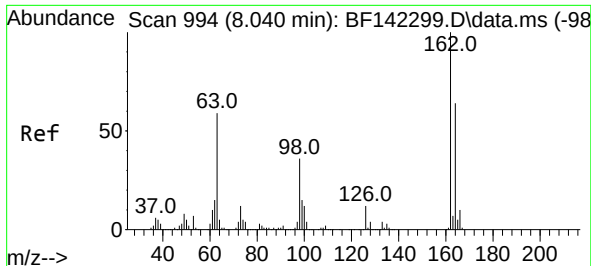
Ion Ratio Lower Upper

93 100

95 32.6 26.1 39.1

123 12.8 10.2 15.4

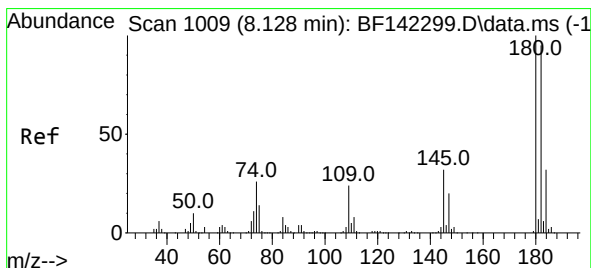
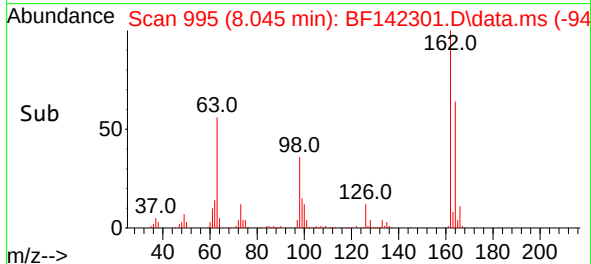
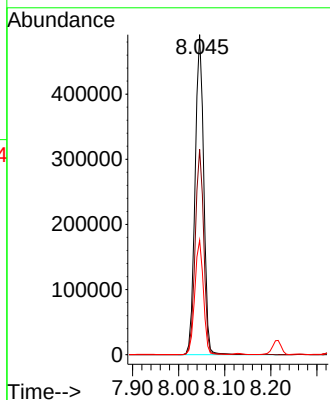
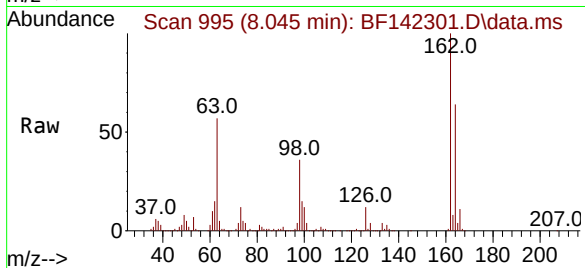




#29
2,4-Dichlorophenol
Concen: 61.967 ng
RT: 8.045 min Scan# 994
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

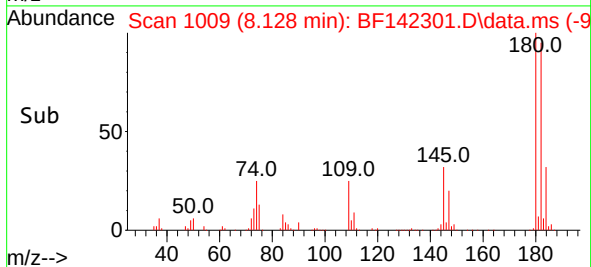
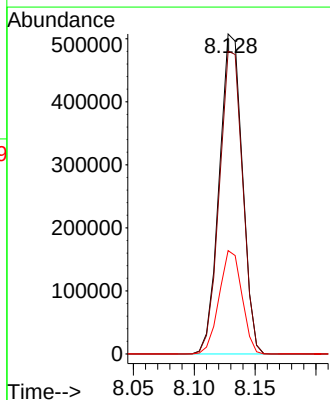
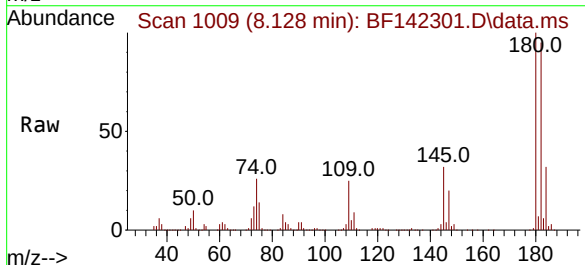
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

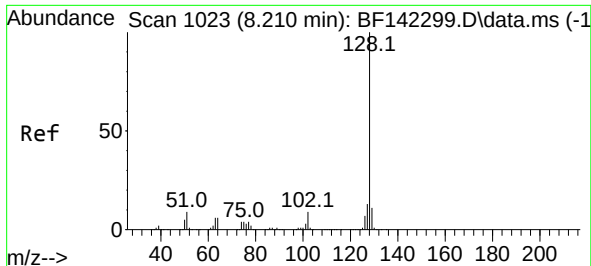
Tgt Ion:162 Resp: 636712
Ion Ratio Lower Upper
162 100
164 64.2 43.6 83.6
98 35.7 16.5 56.5



#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

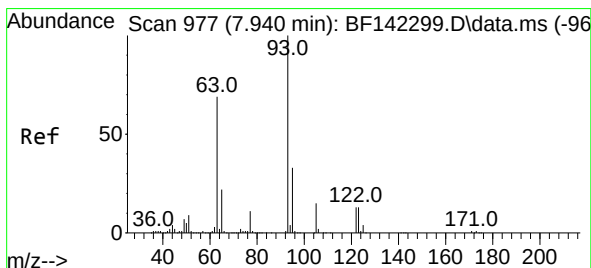
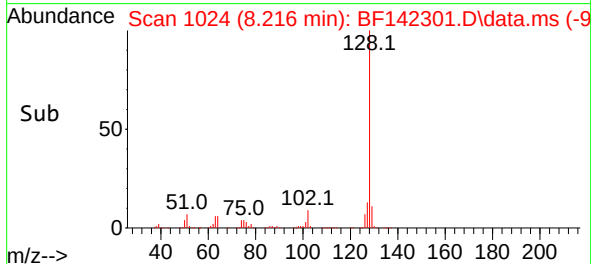
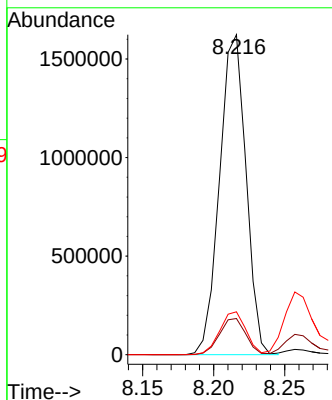
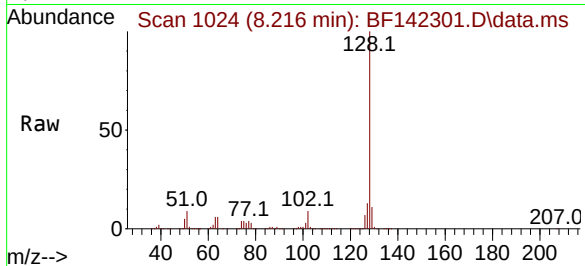




#31
Naphthalene
Concen: 56.052 ng
RT: 8.216 min Scan# 1023
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

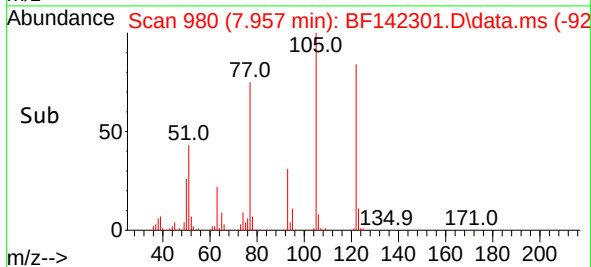
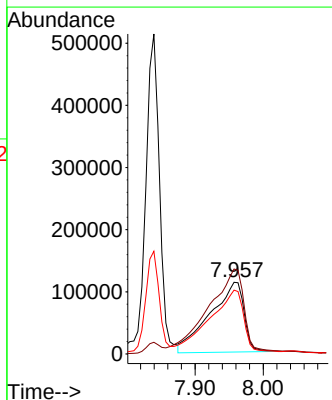
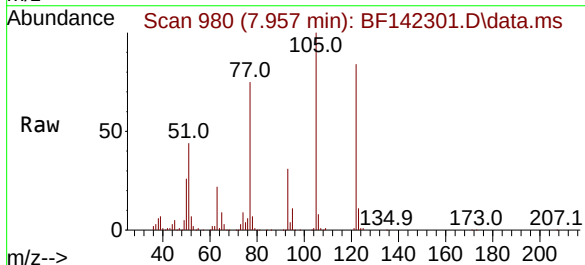
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

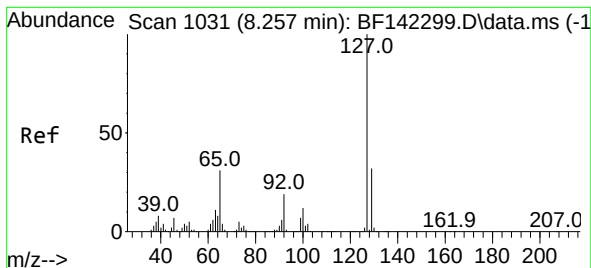
Tgt Ion:128 Resp: 2103149
Ion Ratio Lower Upper
128 100
129 11.3 9.1 13.7
127 13.4 10.5 15.7



#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# 1031

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

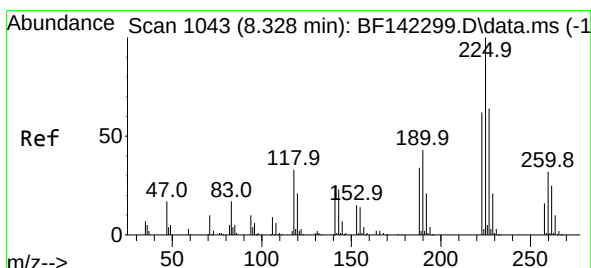
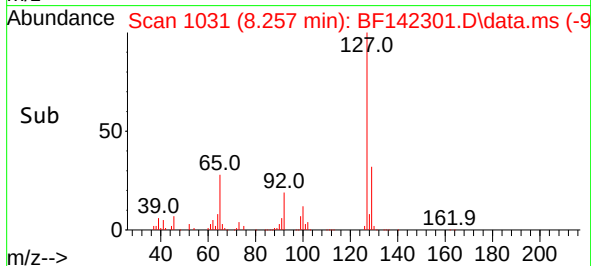
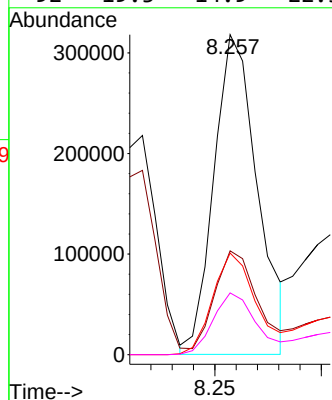
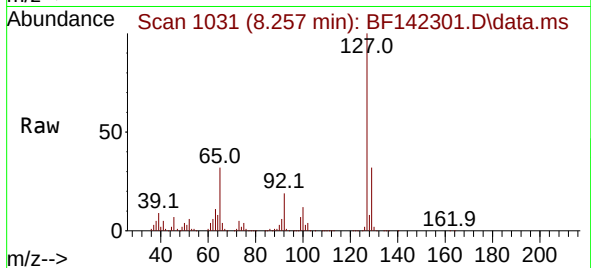
Ion Ratio Lower Upper

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

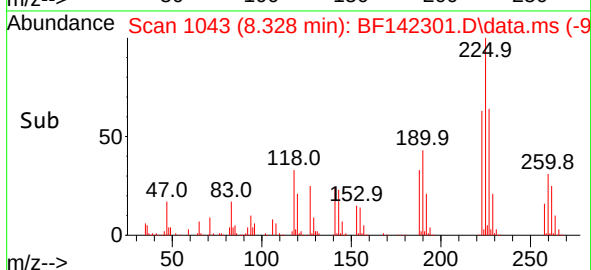
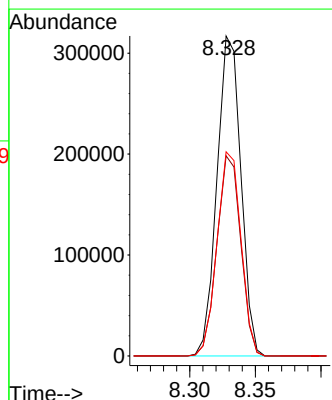
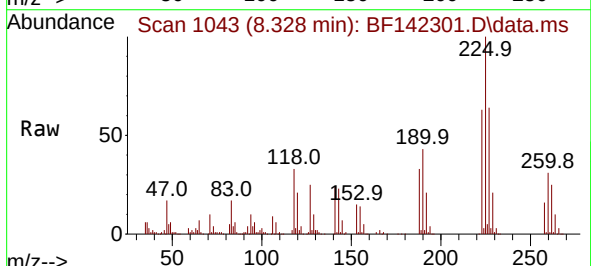
Tgt Ion:225 Resp: 401644

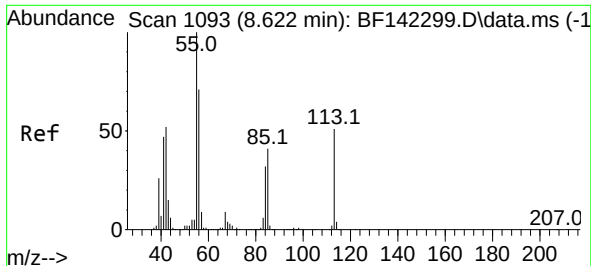
Ion Ratio Lower Upper

225 100

223 62.6 49.8 74.6

227 63.8 50.9 76.3

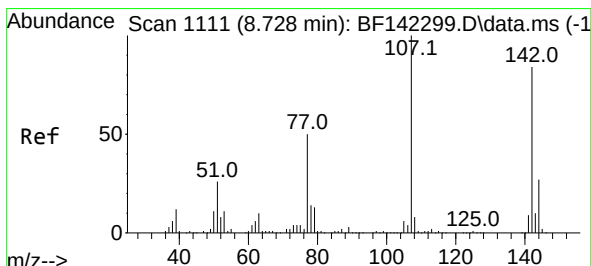
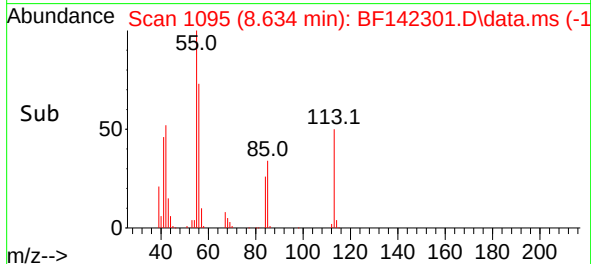
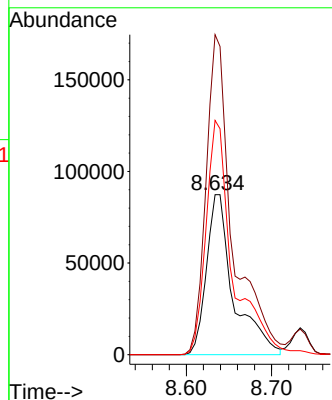
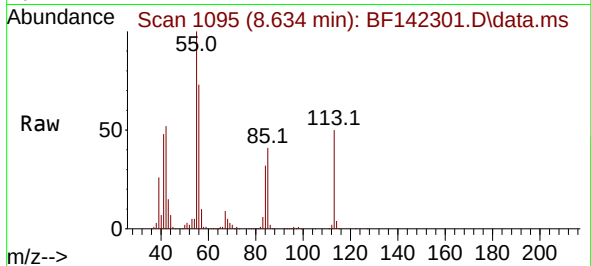




#35
Caprolactam
Concen: 64.619 ng
RT: 8.634 min Scan# 1109
Delta R.T. 0.012 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

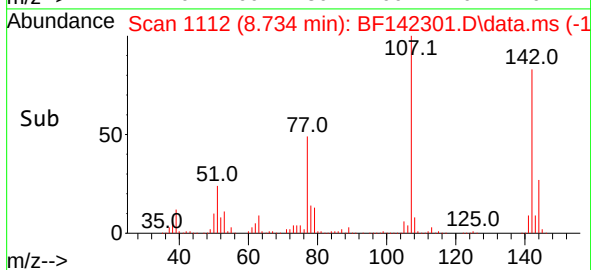
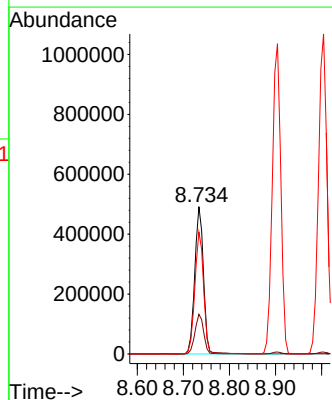
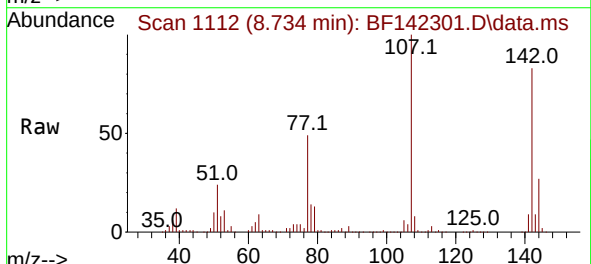
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

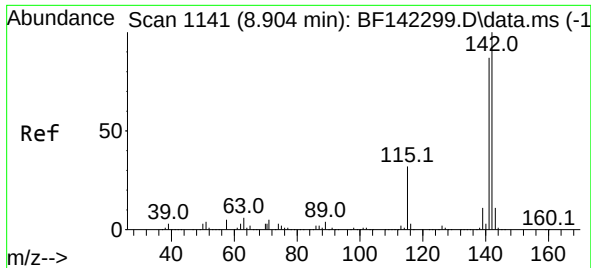
Tgt Ion:113 Resp: 193098
Ion Ratio Lower Upper
113 100
55 200.0 176.4 216.4
56 146.4 120.3 160.3



#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

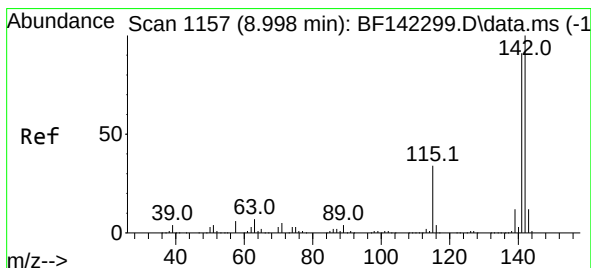
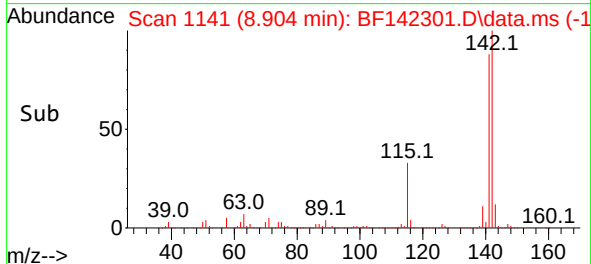
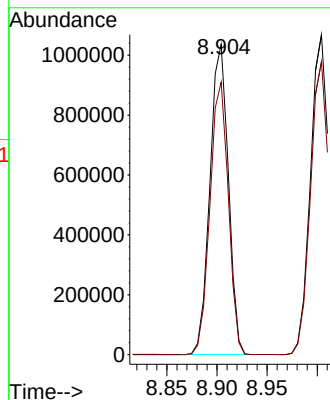
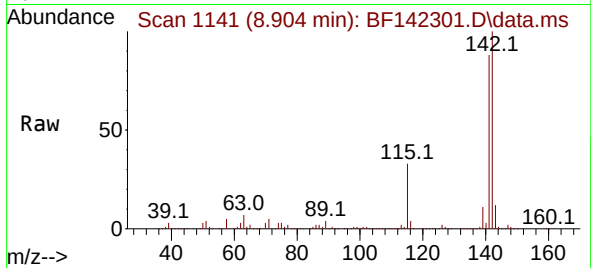




#37
2-Methylnaphthalene
Concen: 56.607 ng
RT: 8.904 min Scan# 1141
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

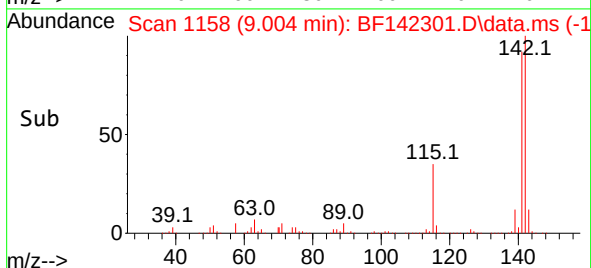
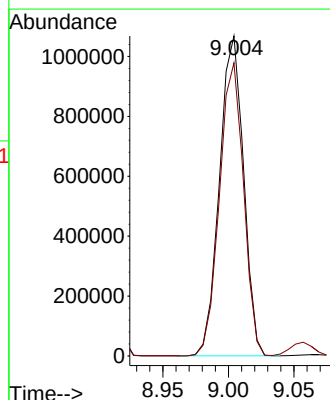
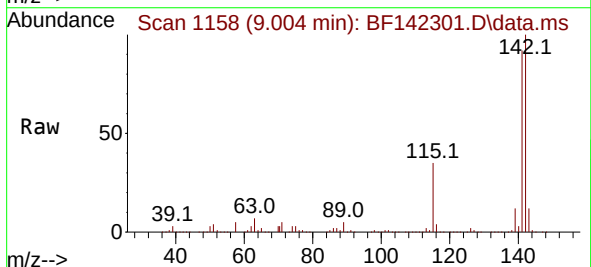
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

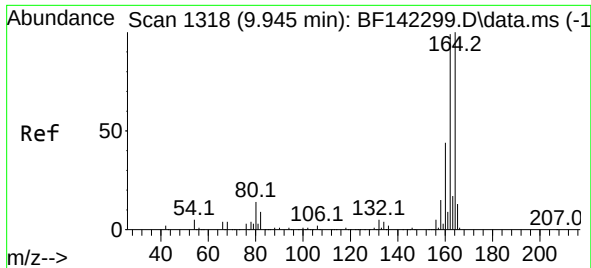
Tgt Ion:142 Resp: 1319794
Ion Ratio Lower Upper
142 100
141 87.9 69.4 104.2



#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

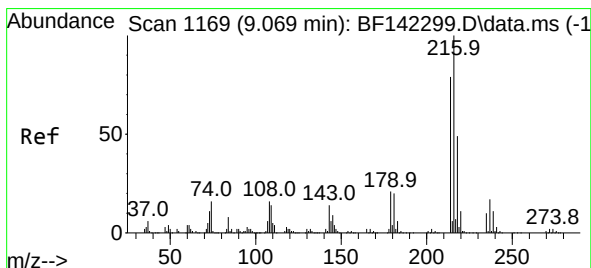
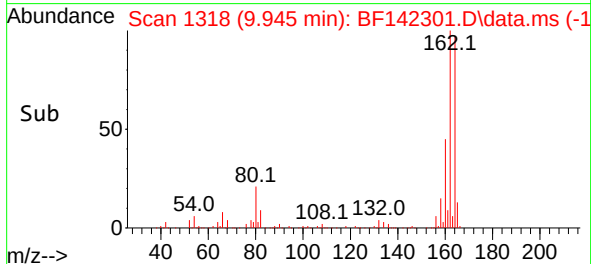
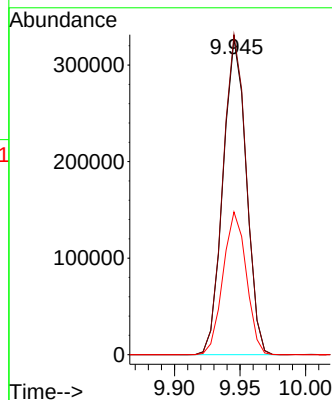
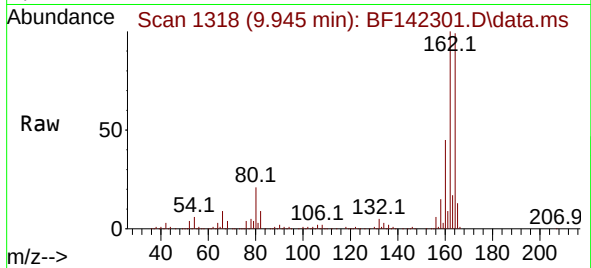




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1118
Delta R.T. 0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

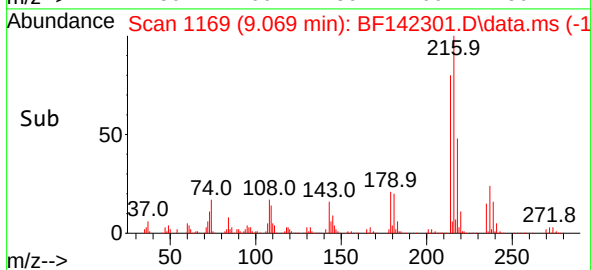
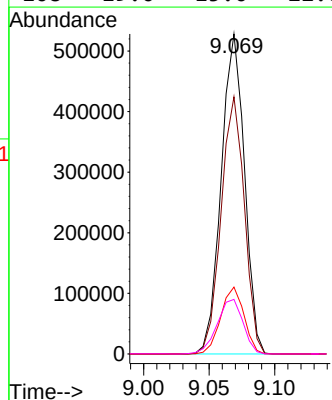
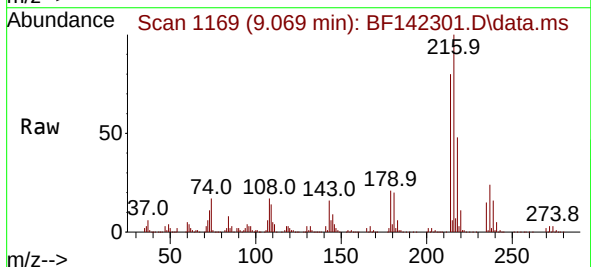
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

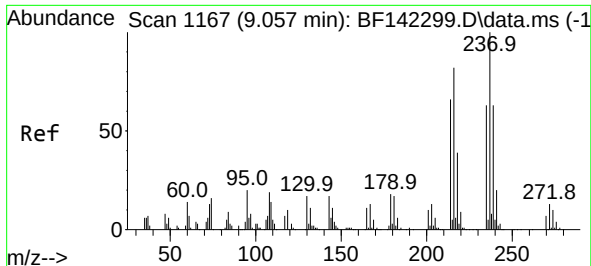
Tgt Ion:164 Resp: 403498
Ion Ratio Lower Upper
164 100
162 101.4 79.2 118.8
160 45.2 35.3 52.9



#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

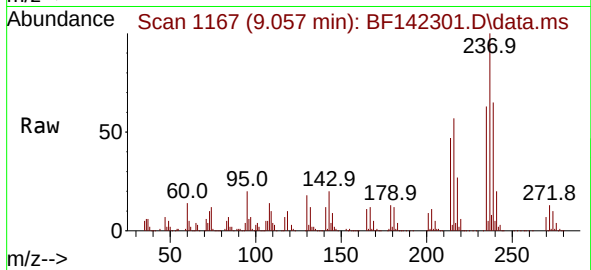
Tgt Ion:216 Resp: 650696
Ion Ratio Lower Upper
216 100
214 80.3 63.8 95.6
179 20.9 17.0 25.6
108 19.0 15.0 22.6



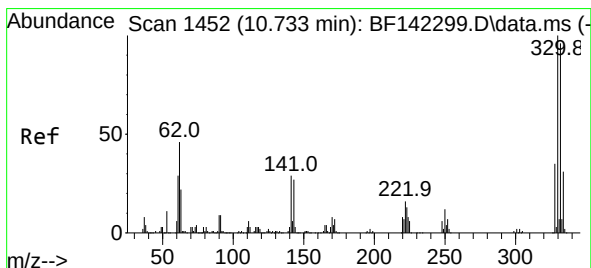
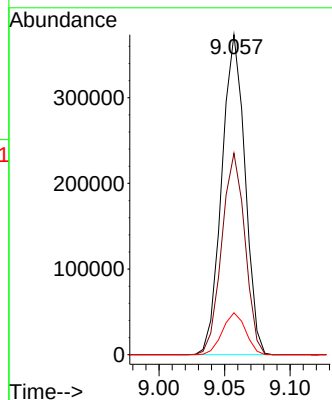
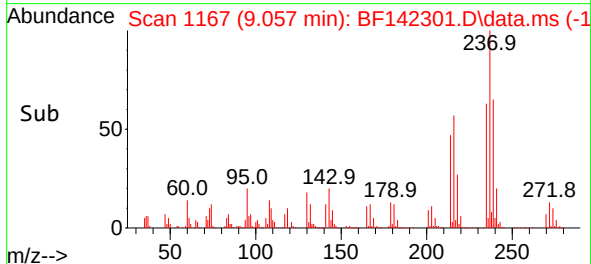


#41
Hexachlorocyclopentadiene
Concen: 65.925 ng
RT: 9.057 min Scan# 1167
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

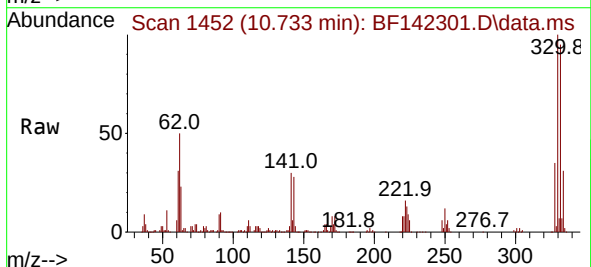
Instrument :
BNA_F
ClientSampleId :
SSTDICC060



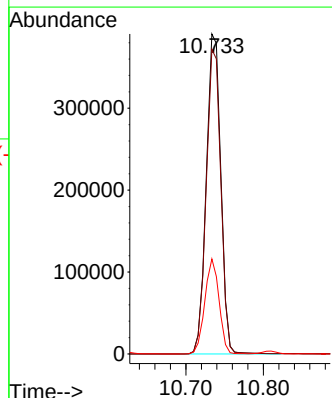
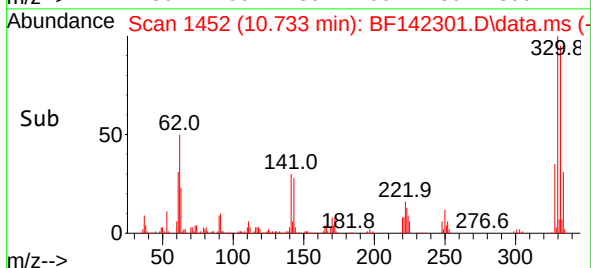
Tgt Ion:237 Resp: 459147
Ion Ratio Lower Upper
237 100
235 62.9 42.8 82.8
272 13.1 0.0 33.0

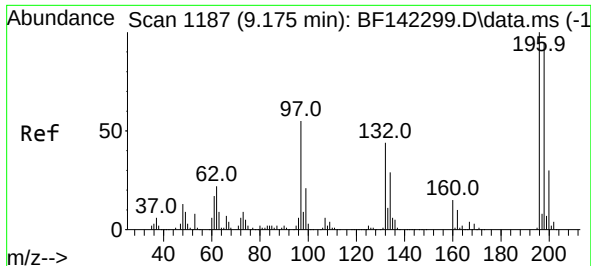


#42
2,4,6-Tribromophenol
Concen: 130.732 ng
RT: 10.733 min Scan# 1452
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47



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

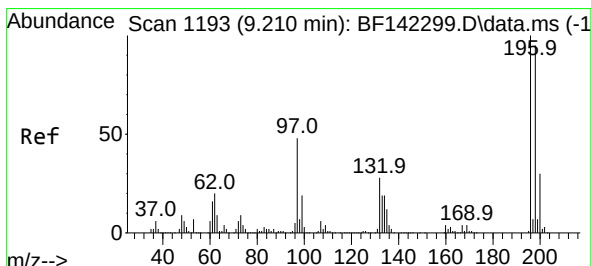
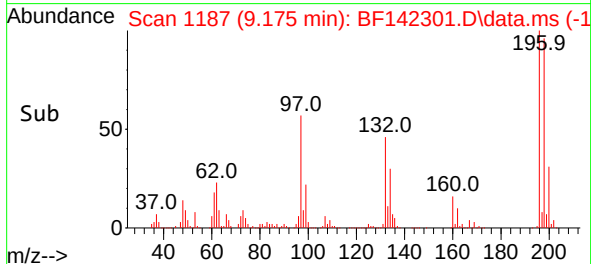
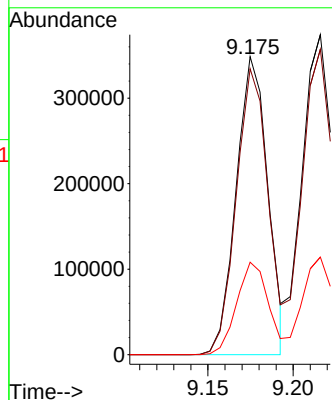
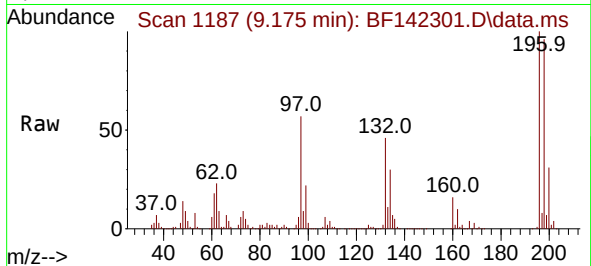




#43
 2,4,6-Trichlorophenol
 Concen: 63.143 ng
 RT: 9.175 min Scan# 1187
 Delta R.T. -0.000 min
 Lab File: BF142301.D
 Acq: 05 May 2025 16:47

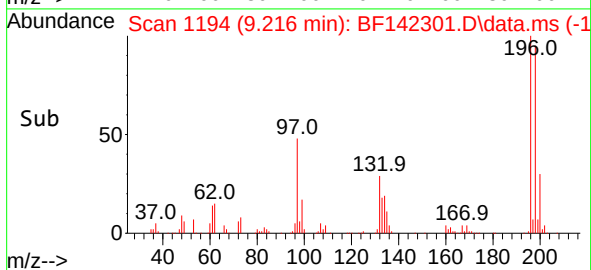
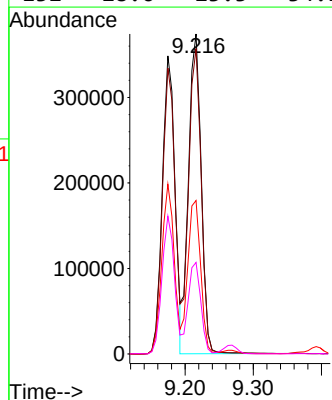
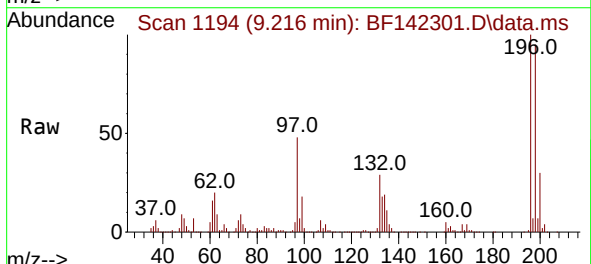
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

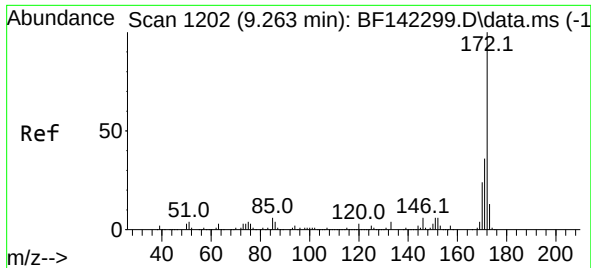
Tgt Ion:196 Resp: 448837
 Ion Ratio Lower Upper
 196 100
 198 95.9 75.4 113.0
 200 31.0 24.3 36.5



#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

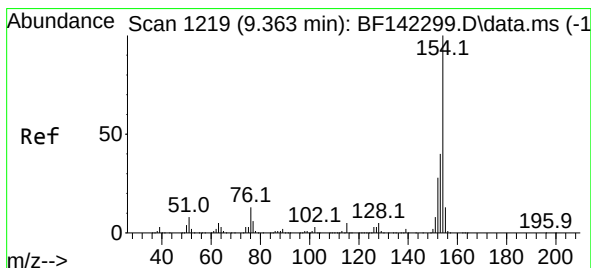
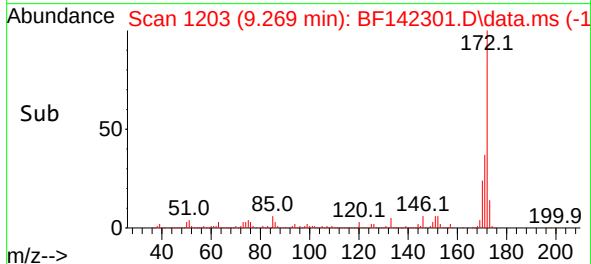
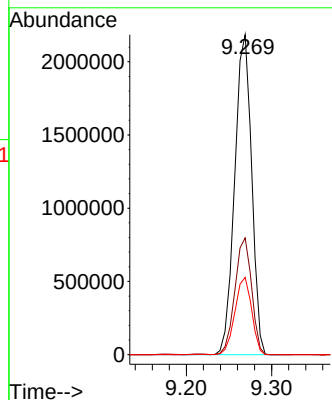
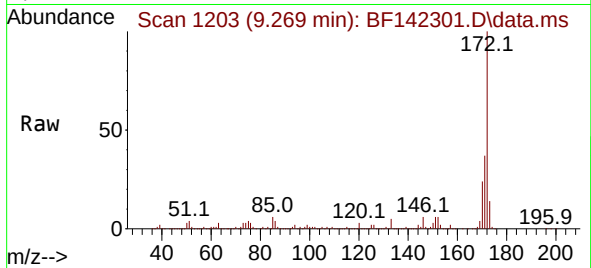




#45
2-Fluorobiphenyl
Concen: 106.576 ng
RT: 9.269 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

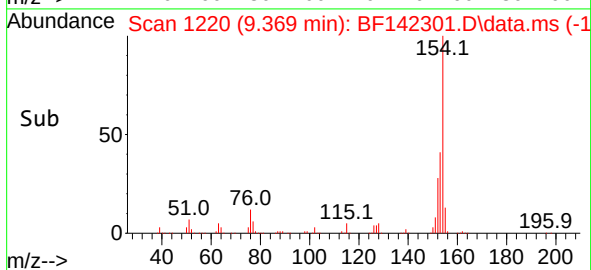
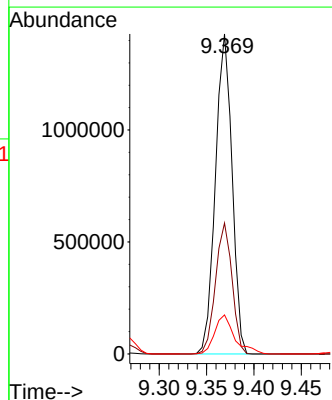
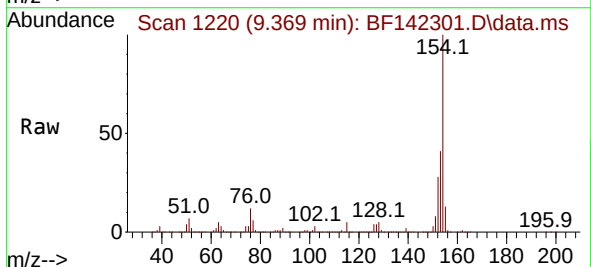
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

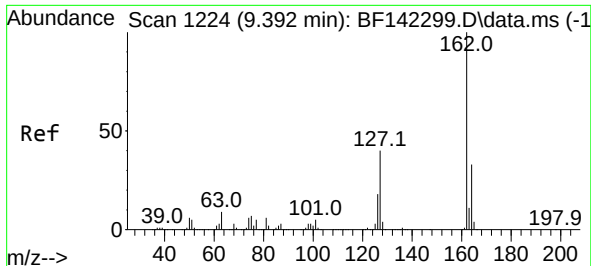
Tgt Ion:172 Resp: 3015927
Ion Ratio Lower Upper
172 100
171 36.5 28.6 42.8
170 24.2 19.0 28.4



#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# 11

Delta R.T. -0.000 min

Lab File: BF142301.D

Acq: 05 May 2025 16:47

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

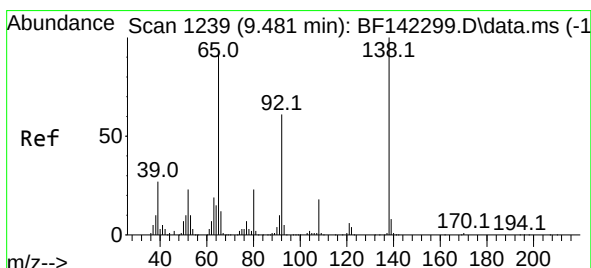
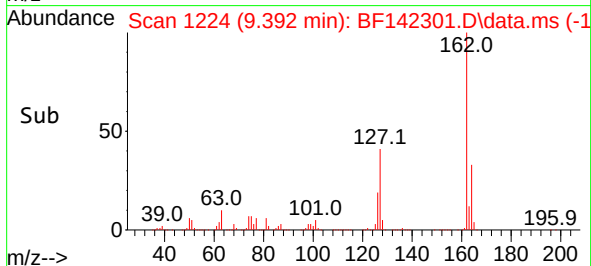
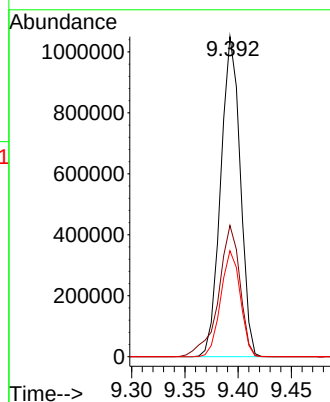
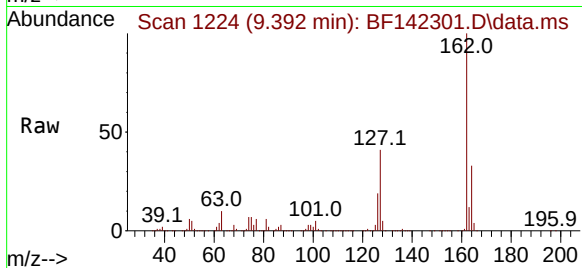
Tgt Ion:162 Resp: 1338338

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

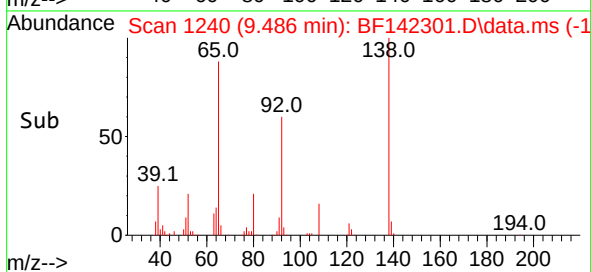
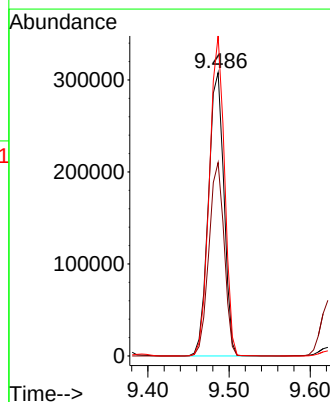
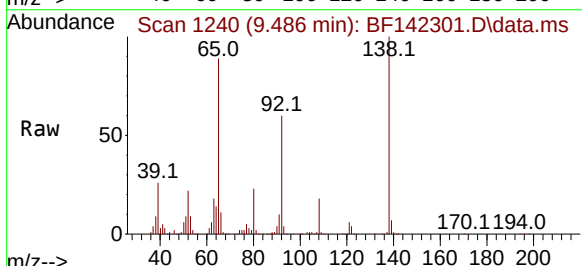
Tgt Ion: 65 Resp: 407862

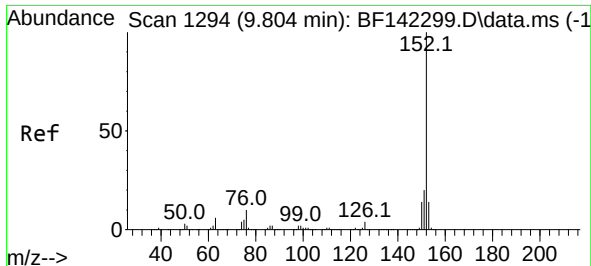
Ion Ratio Lower Upper

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# 11

Delta R.T. 0.006 min

Lab File: BF142301.D

Acq: 05 May 2025 16:47

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

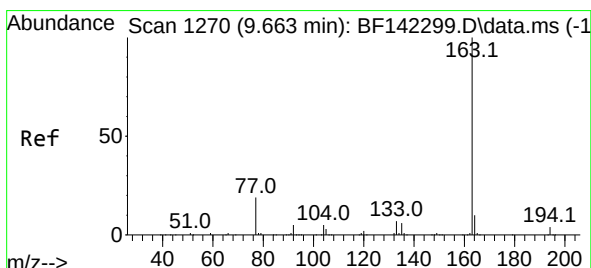
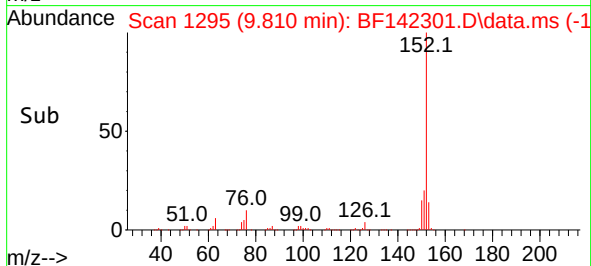
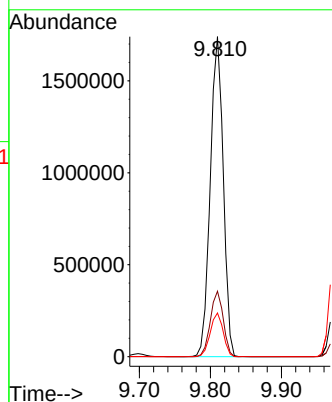
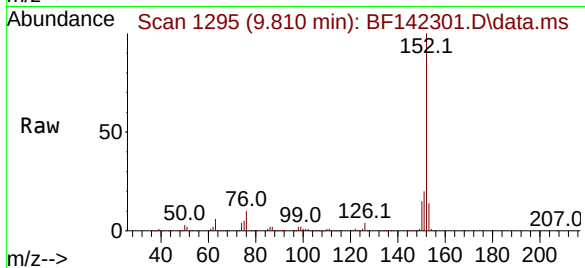
Tgt Ion:152 Resp: 2215774

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

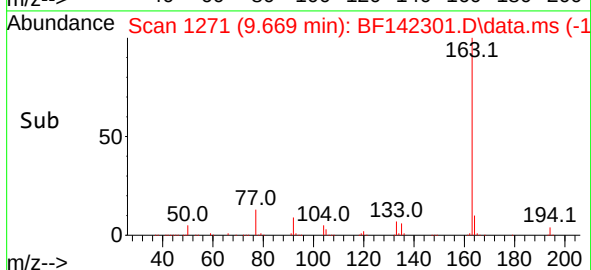
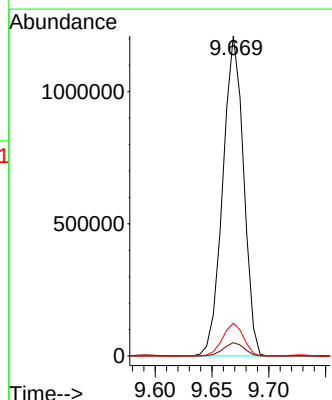
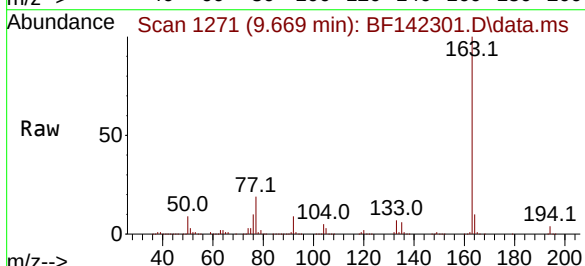
Tgt Ion:163 Resp: 1543896

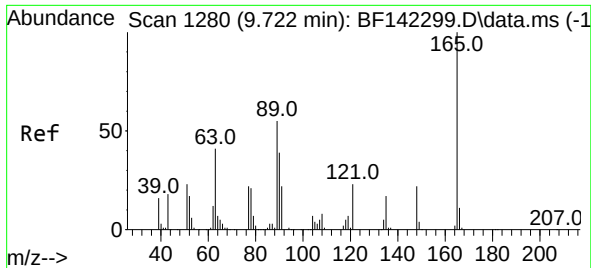
Ion Ratio Lower Upper

163 100

194 4.2 3.2 4.8

164 10.2 8.3 12.5

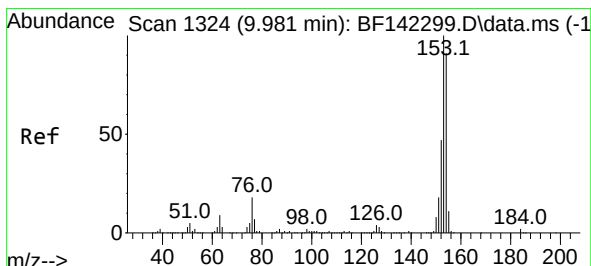
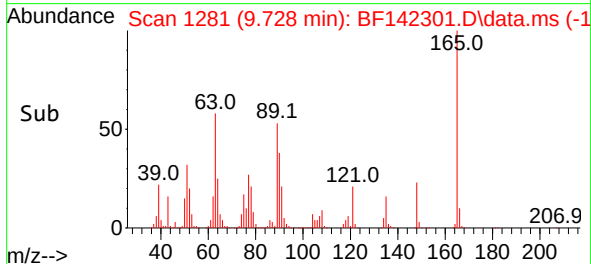
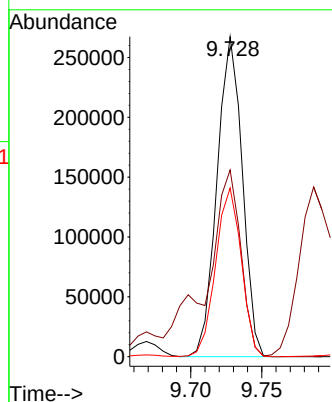
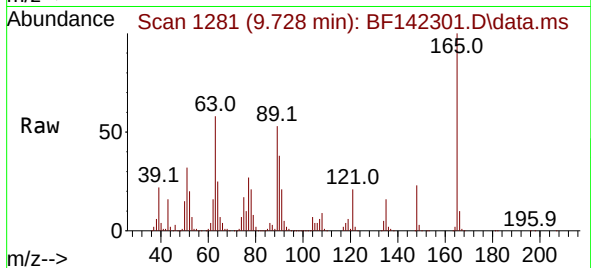




#51
2,6-Dinitrotoluene
Concen: 68.237 ng
RT: 9.728 min Scan# 1280
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

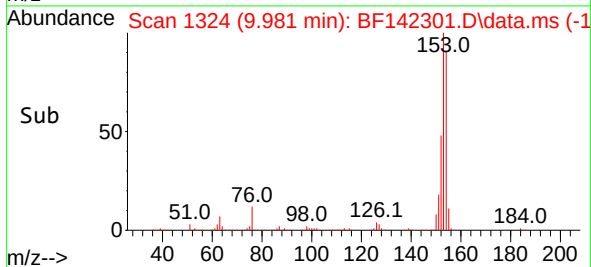
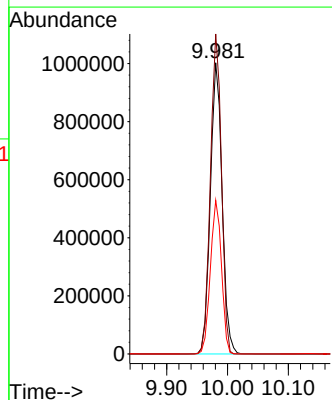
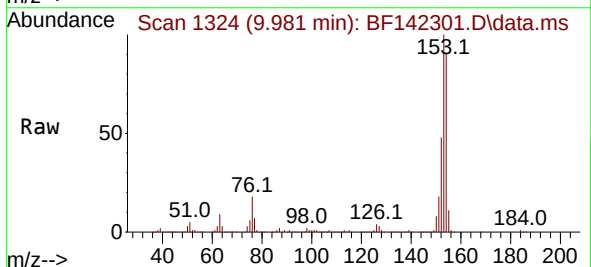
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

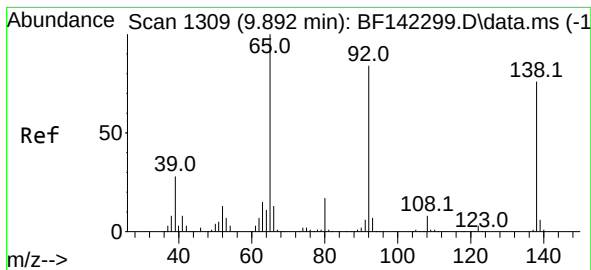
Tgt Ion:165 Resp: 330939
Ion Ratio Lower Upper
165 100
63 58.4 49.5 74.3
89 52.7 44.6 66.8



#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

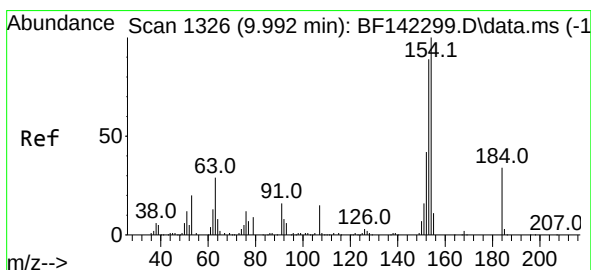
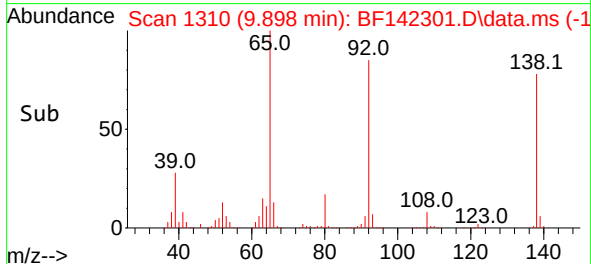
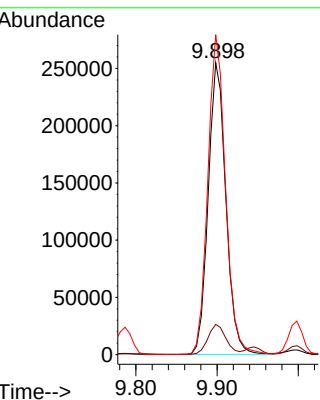
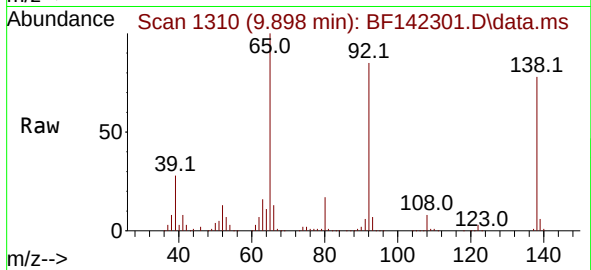
Tgt Ion:138 Resp: 385568

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

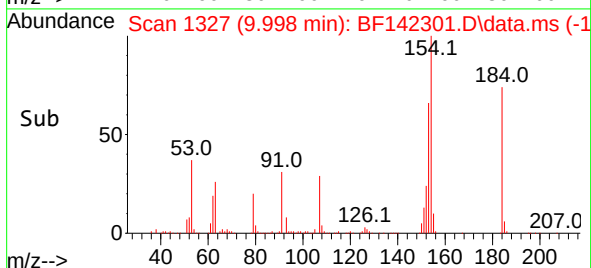
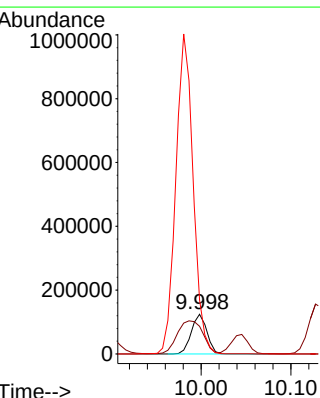
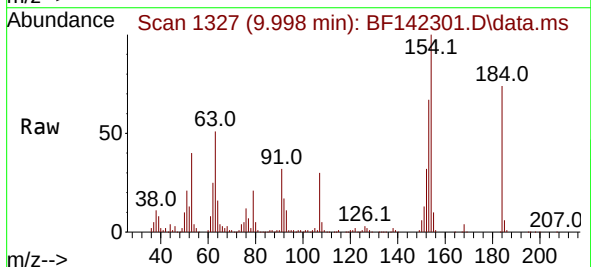
Tgt Ion:184 Resp: 149707

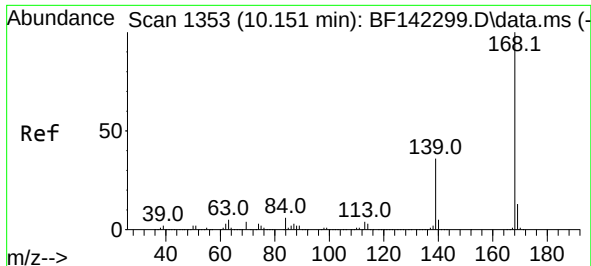
Ion Ratio Lower Upper

184 100

63 69.6 70.6 105.8#

154 135.7 257.2 385.8#

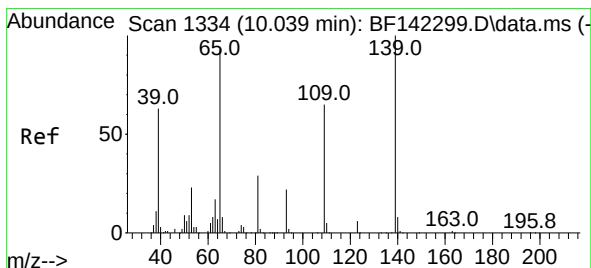
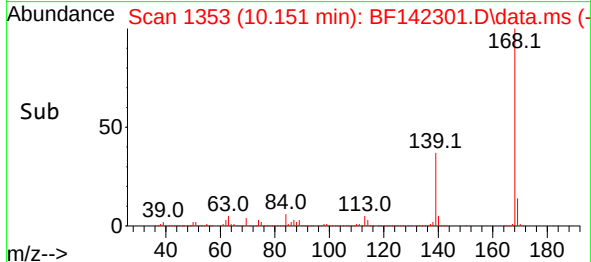
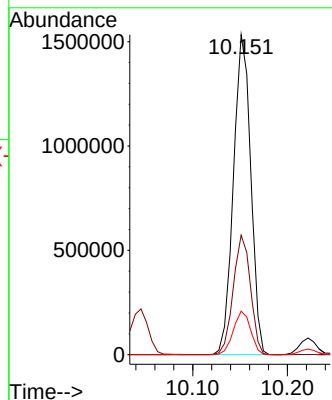
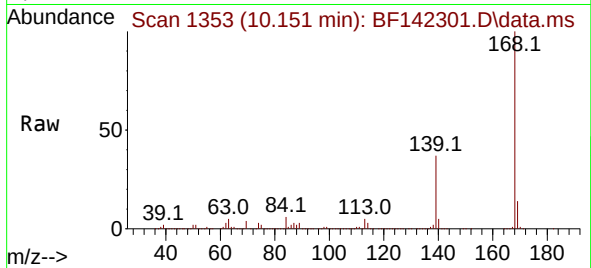




#55
Dibenzofuran
Concen: 57.013 ng
RT: 10.151 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

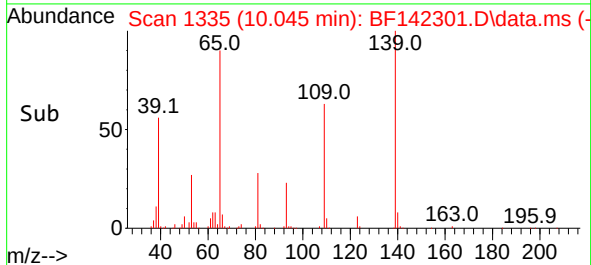
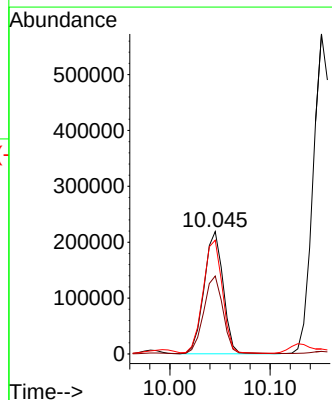
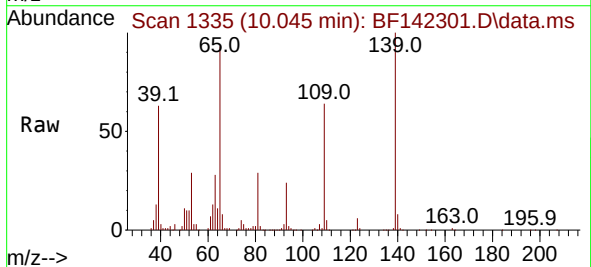
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

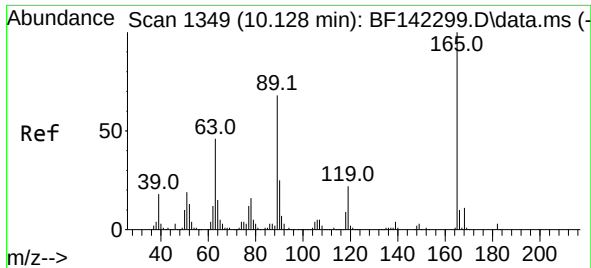
Tgt Ion:168 Resp: 1947247
Ion Ratio Lower Upper
168 100
139 37.3 29.0 43.4
169 13.6 10.7 16.1



#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

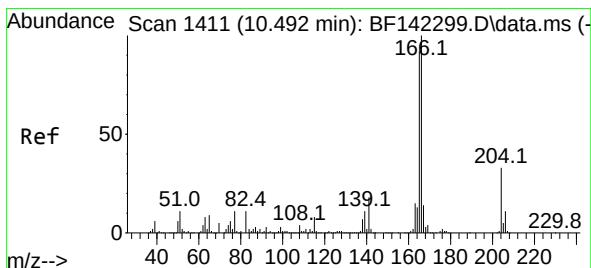
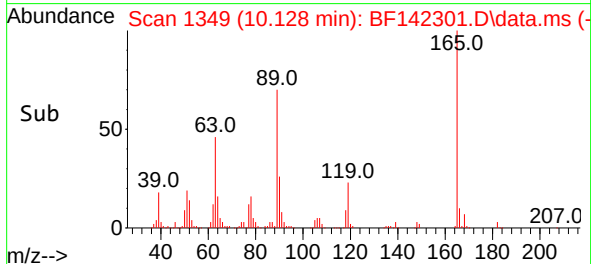
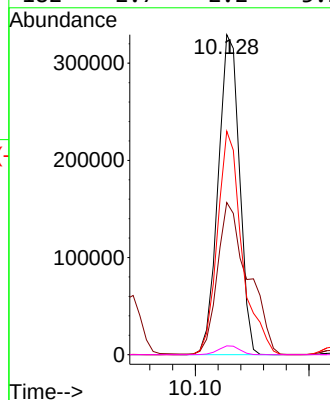
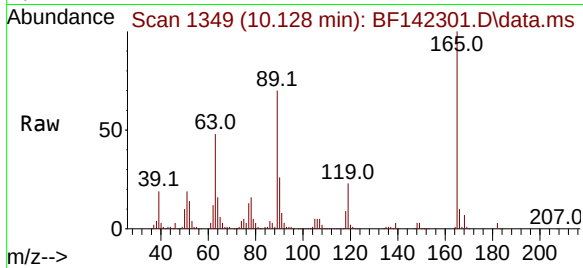




#57
2,4-Dinitrotoluene
Concen: 69.171 ng
RT: 10.128 min Scan# 1412
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

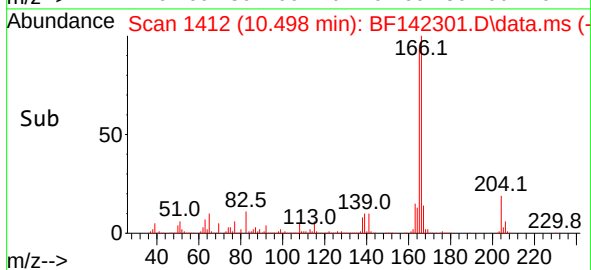
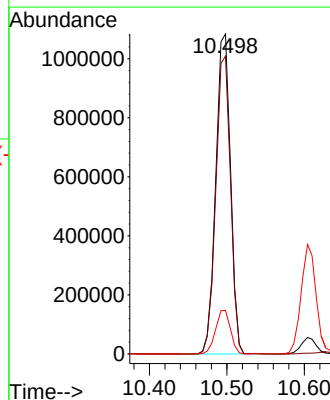
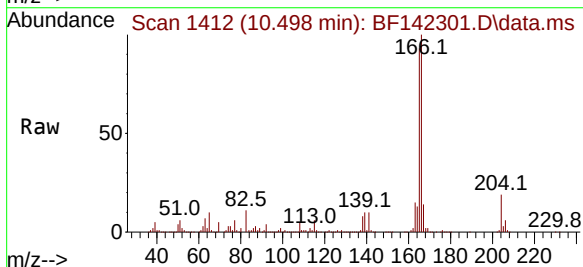
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

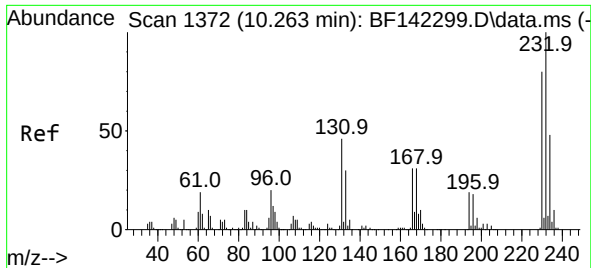
Tgt Ion:165 Resp: 430311
Ion Ratio Lower Upper
165 100
63 47.6 37.1 55.7
89 69.8 54.4 81.6
182 2.7 2.2 3.2



#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

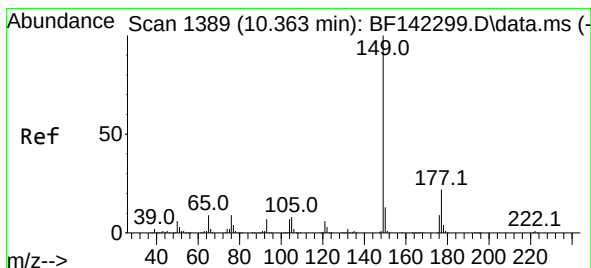
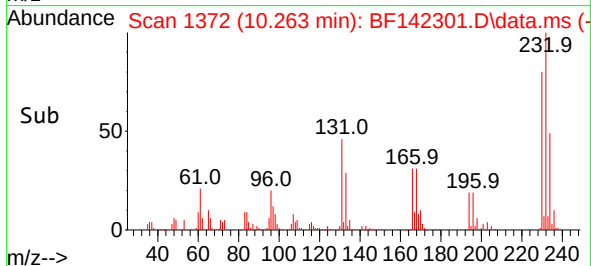
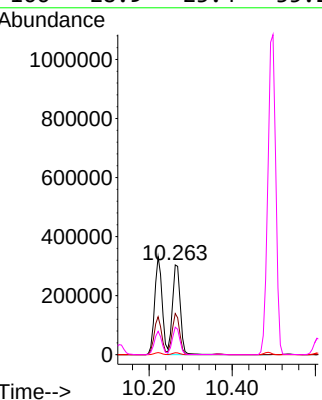
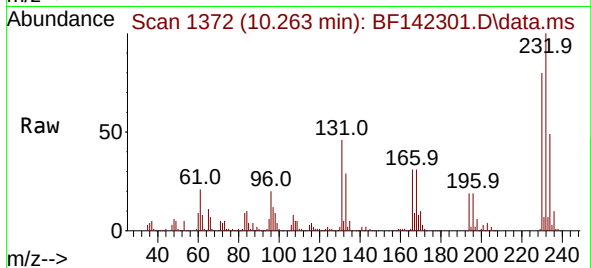




#59
2,3,4,6-Tetrachlorophenol
Concen: 63.842 ng
RT: 10.263 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

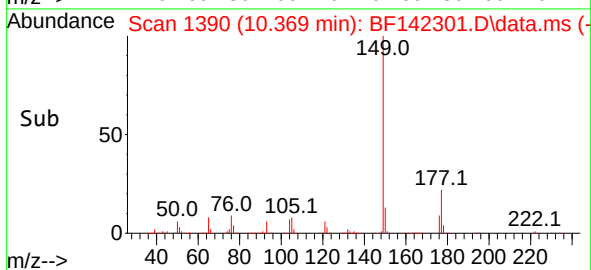
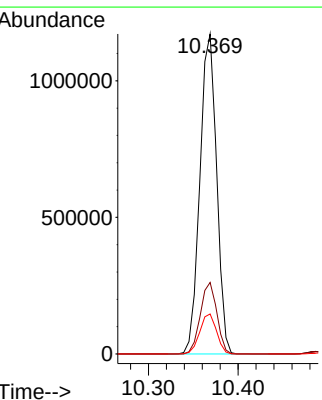
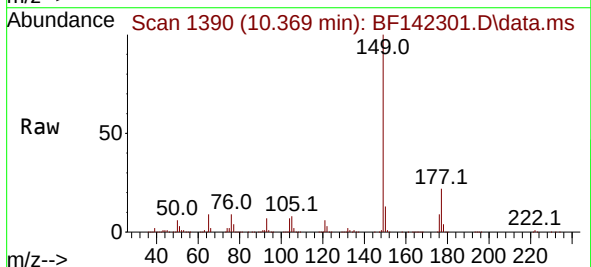
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

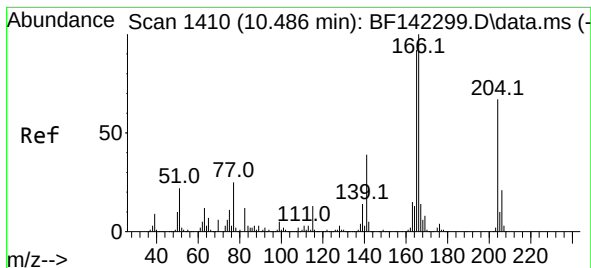
Tgt Ion:232 Resp: 398607
Ion Ratio Lower Upper
232 100
131 43.2 36.0 54.0
130 2.0 1.8 2.6
166 28.9 23.4 35.2



#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

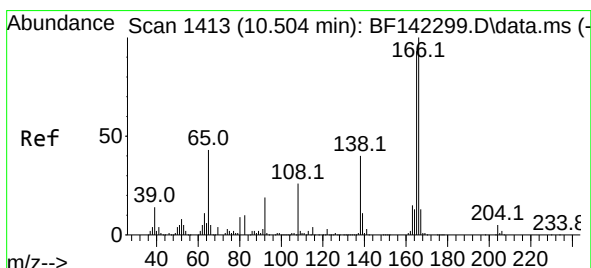
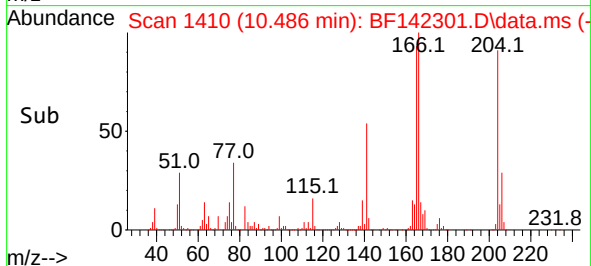
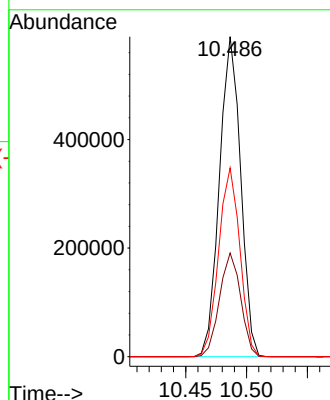
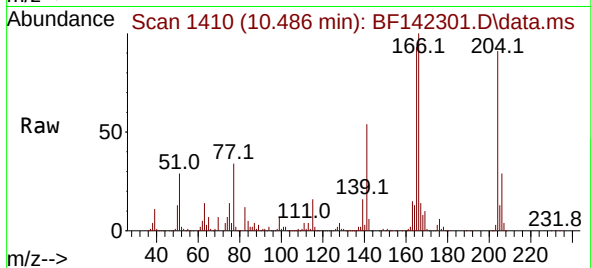




#61
4-Chlorophenyl-phenylether
Concen: 56.782 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

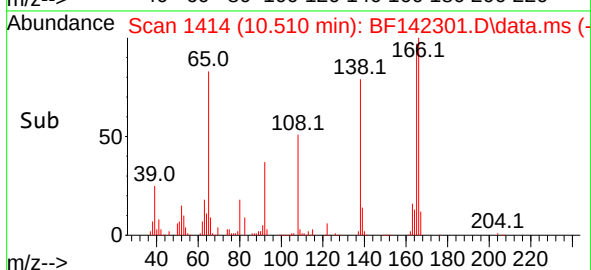
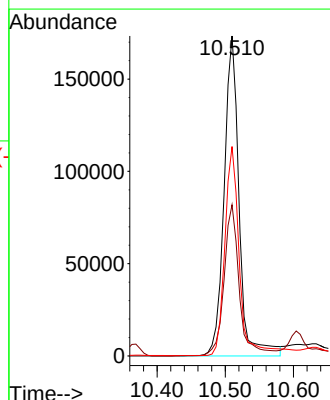
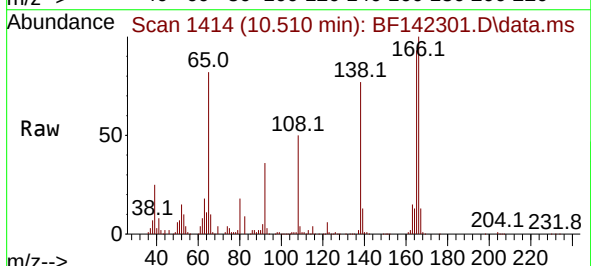
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

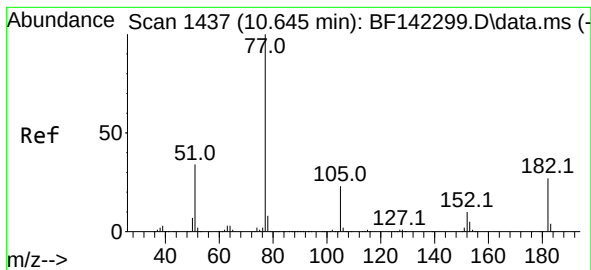
Tgt Ion:204 Resp: 714047
Ion Ratio Lower Upper
204 100
206 32.4 25.5 38.3
141 59.0 46.4 69.6



#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

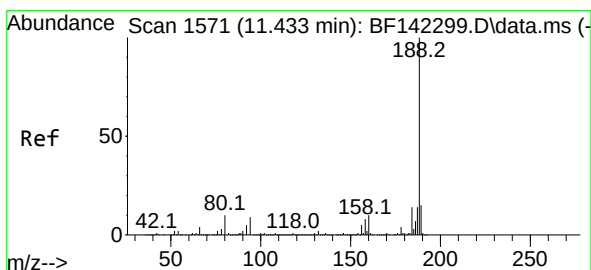
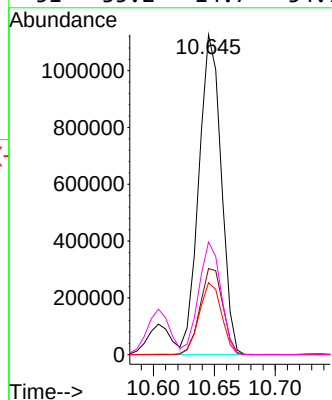
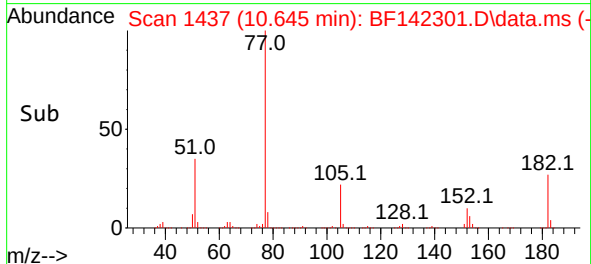
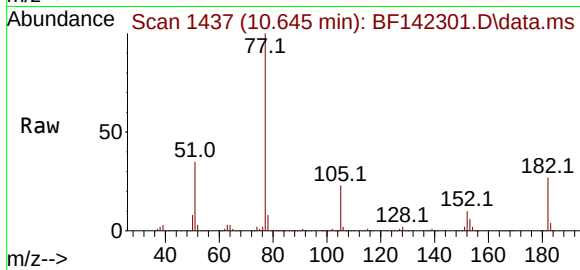




#63
Azobenzene
Concen: 58.009 ng
RT: 10.645 min Scan# 1437
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

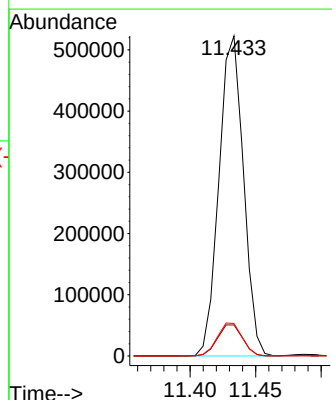
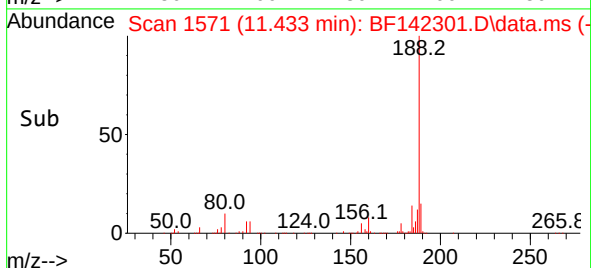
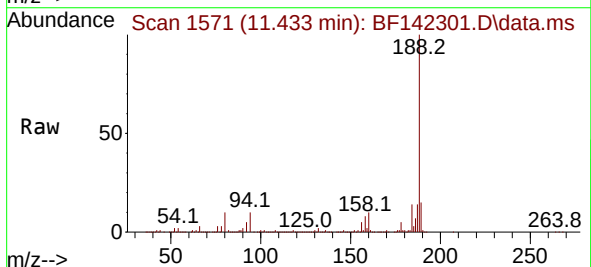
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

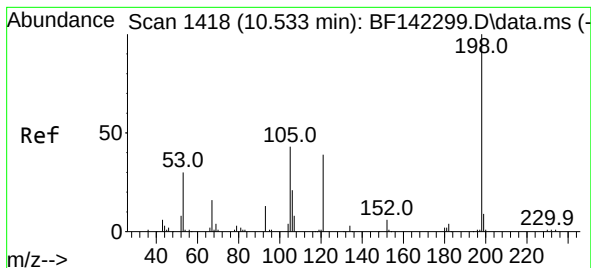
Tgt Ion: 77 Resp: 1434293
Ion Ratio Lower Upper
77 100
182 26.9 6.9 46.9
105 22.5 2.7 42.7
51 35.2 14.7 54.7



#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

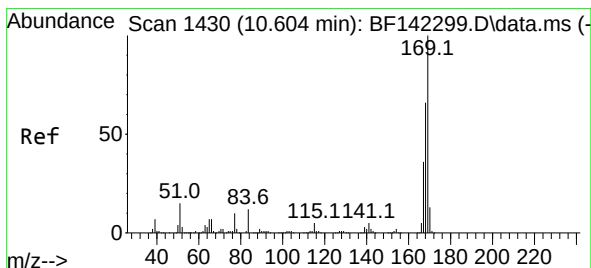
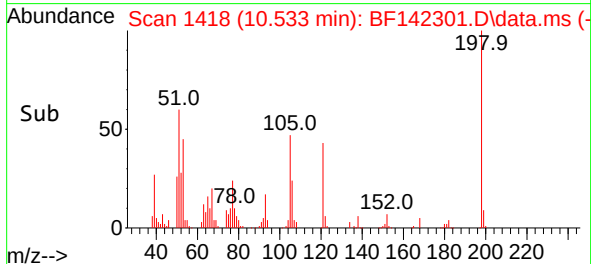
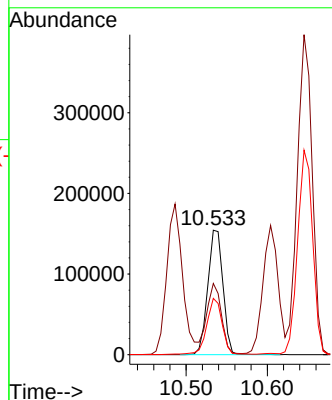
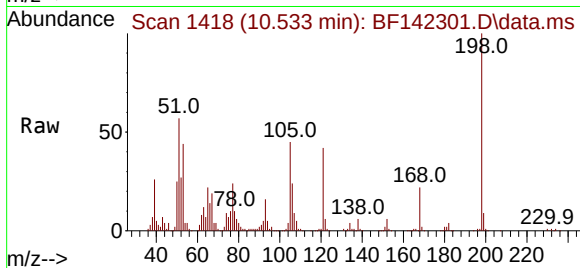




#65
4,6-Dinitro-2-methylphenol
Concen: 60.816 ng
RT: 10.533 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

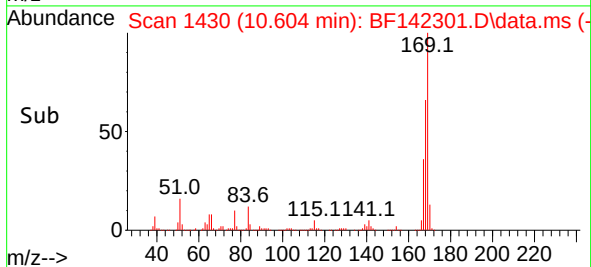
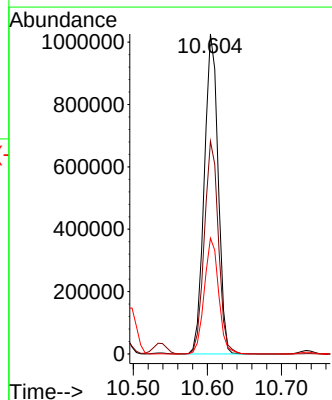
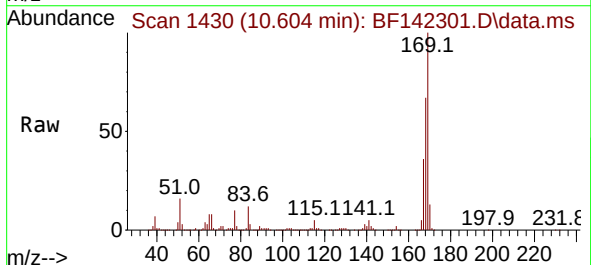
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

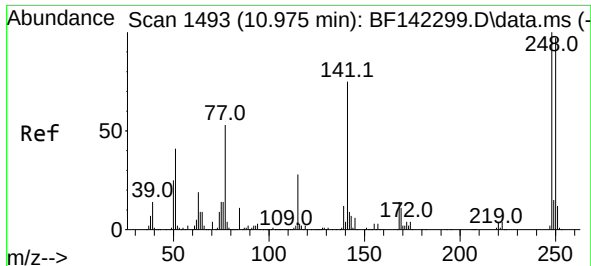
Tgt Ion:198 Resp: 199546
Ion Ratio Lower Upper
198 100
51 57.2 32.9 72.9
105 45.3 23.7 63.7



#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

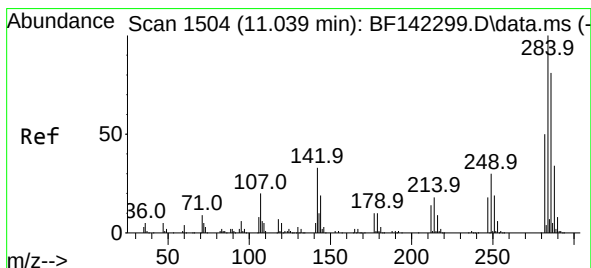
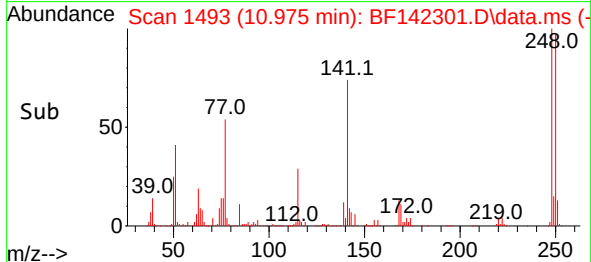
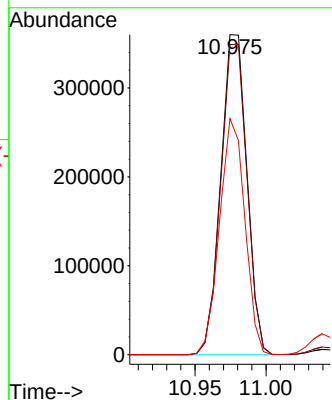
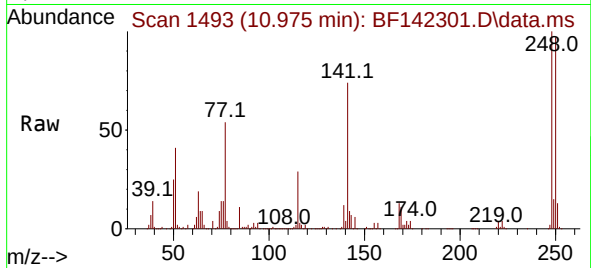




#67
4-Bromophenyl-phenylether
Concen: 60.048 ng
RT: 10.975 min Scan# 1493
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

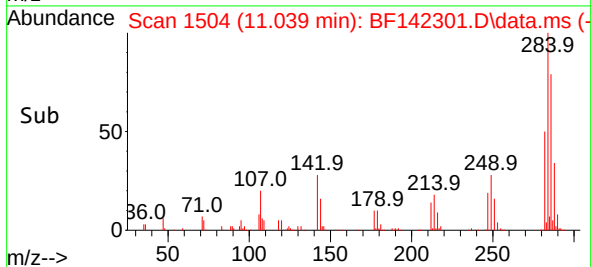
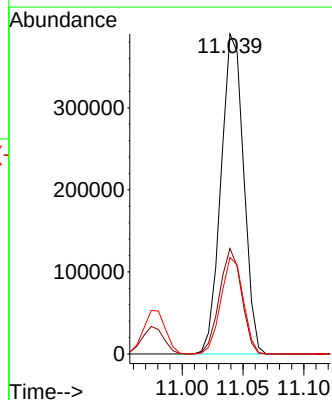
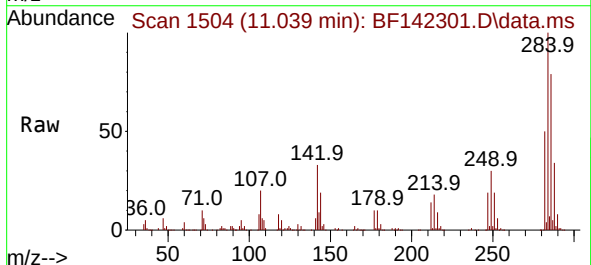
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

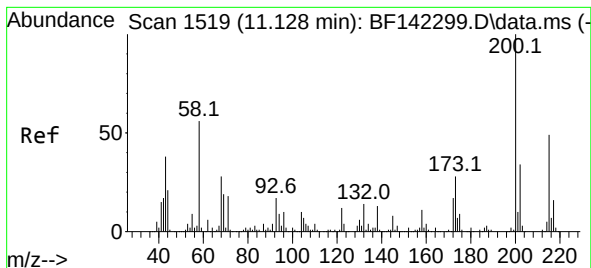
Tgt Ion:248 Resp: 461892
Ion Ratio Lower Upper
248 100
250 96.9 77.9 116.9
141 73.8 59.8 89.8



#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# 1519

Delta R.T. -0.000 min

Lab File: BF142301.D

Acq: 05 May 2025 16:47

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

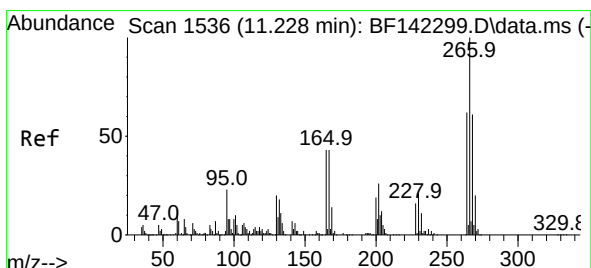
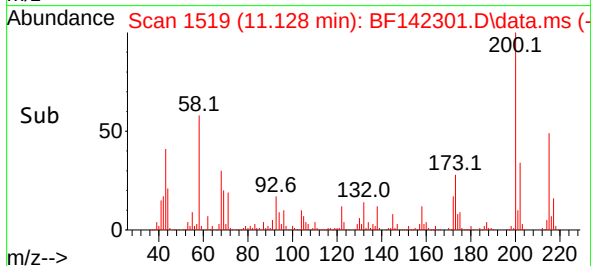
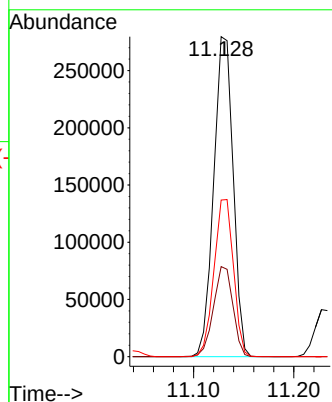
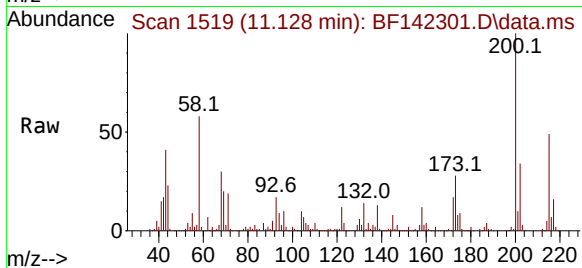
Tgt Ion:200 Resp: 376071

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

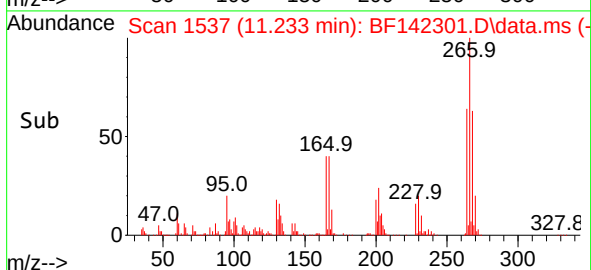
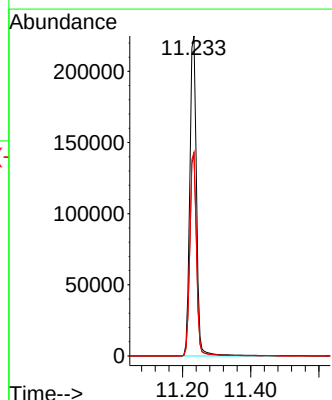
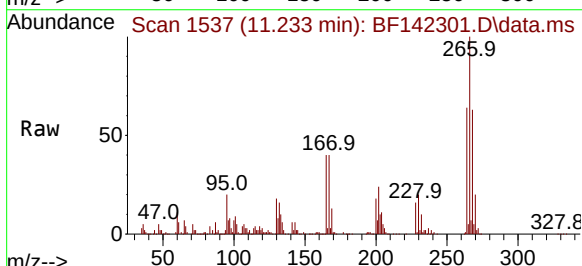
Tgt Ion:266 Resp: 304541

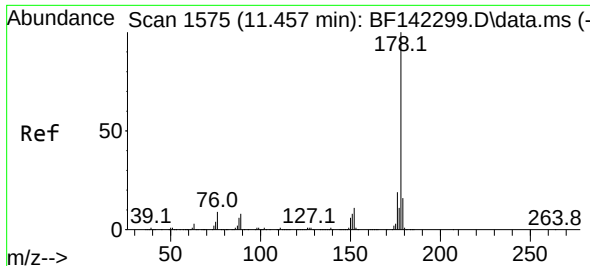
Ion Ratio Lower Upper

266 100

268 63.0 48.7 73.1

264 63.7 49.8 74.6

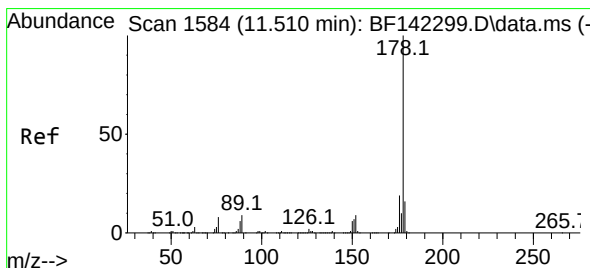
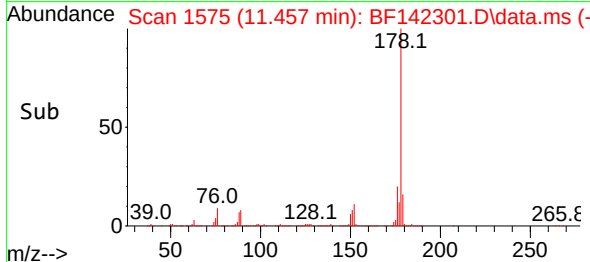
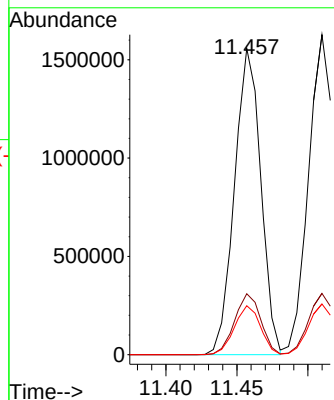
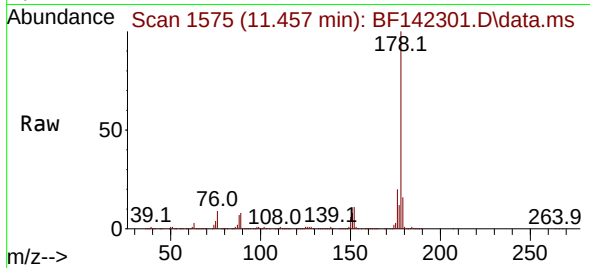




#71
Phenanthrene
Concen: 56.475 ng
RT: 11.457 min Scan# 1575
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

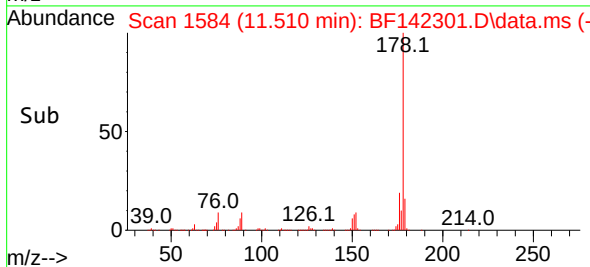
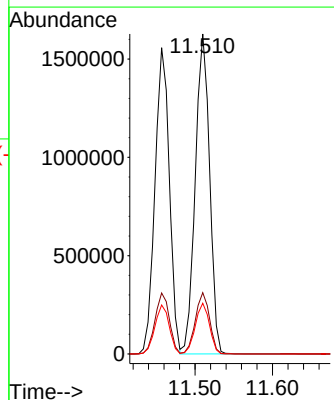
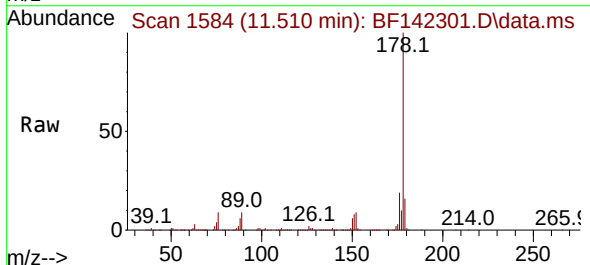
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

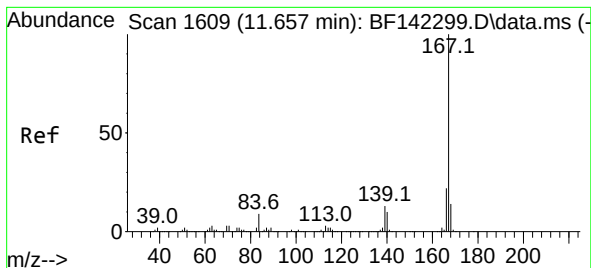
Tgt Ion:178 Resp: 2009150
Ion Ratio Lower Upper
178 100
176 19.9 15.5 23.3
179 16.0 12.6 18.8



#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

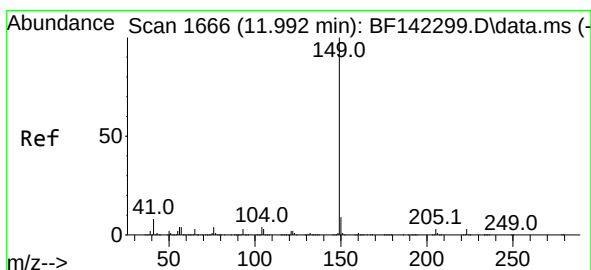
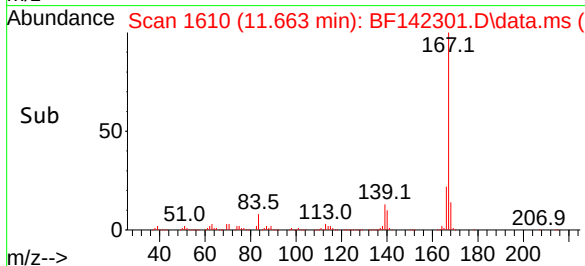
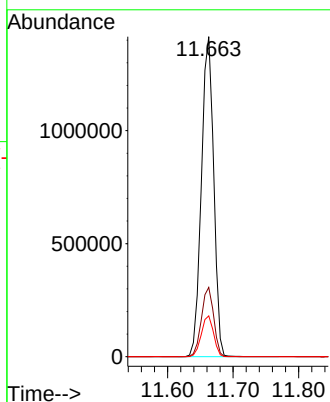
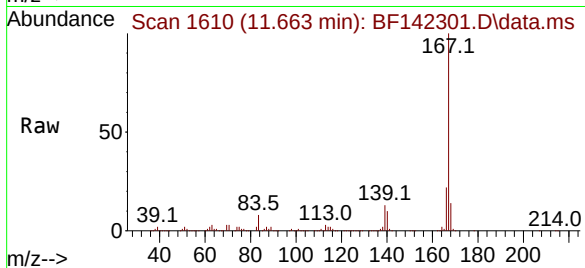
Tgt Ion:167 Resp: 1854181

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

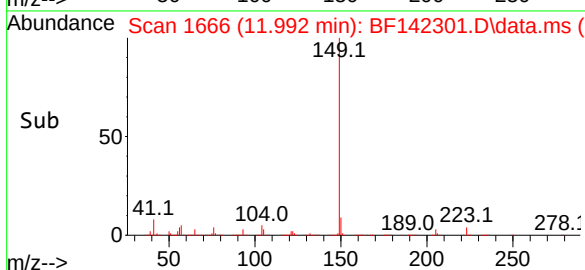
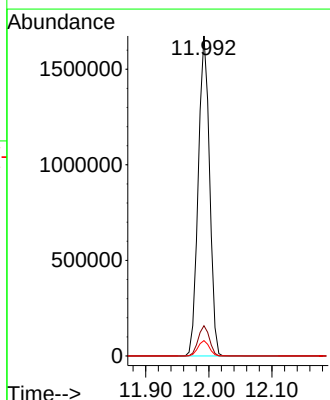
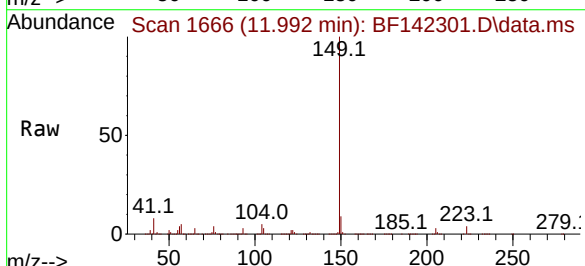
Tgt Ion:149 Resp: 2073826

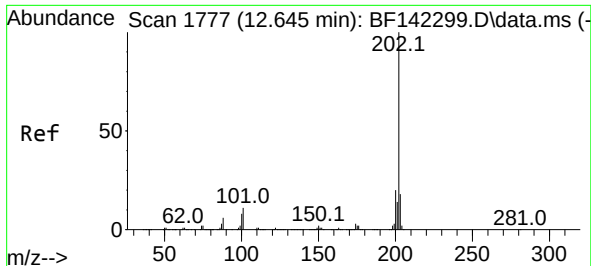
Ion Ratio Lower Upper

149 100

150 9.4 7.5 11.3

104 4.8 3.6 5.4

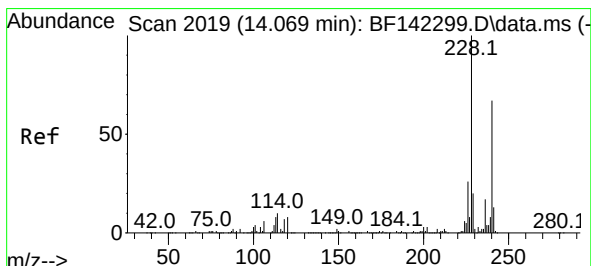
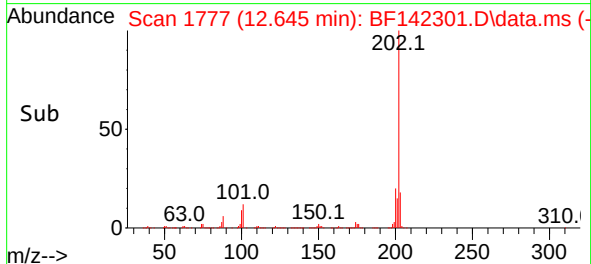
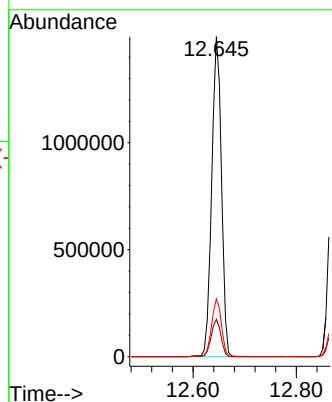
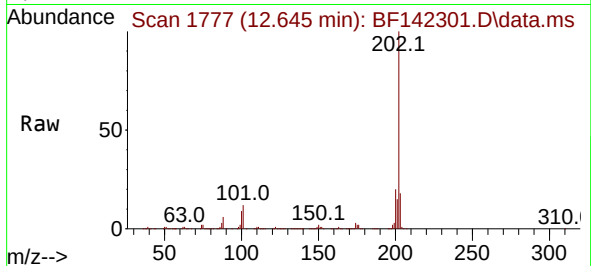




#75
Fluoranthene
Concen: 54.742 ng
RT: 12.645 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

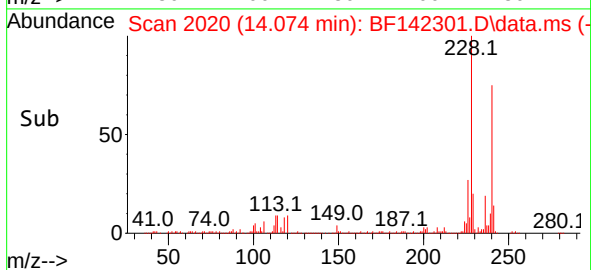
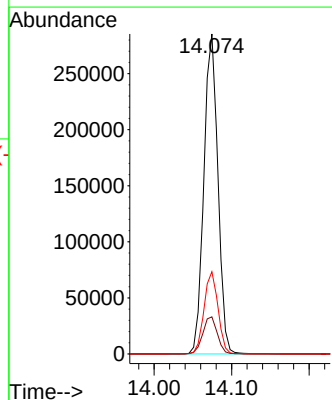
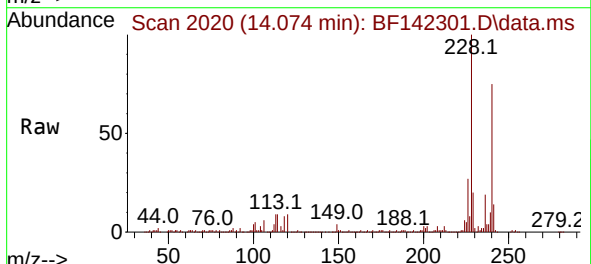
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

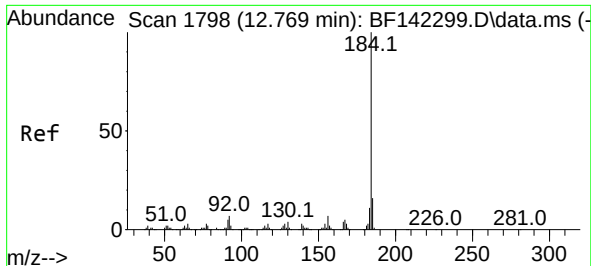
Tgt Ion:202 Resp: 1946773
Ion Ratio Lower Upper
202 100
101 11.7 0.0 31.4
203 18.0 0.0 37.9



#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

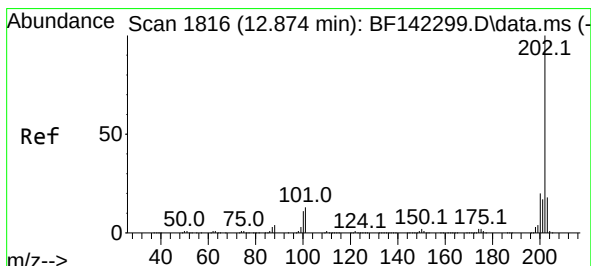
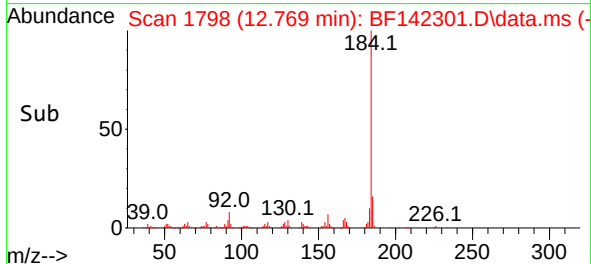
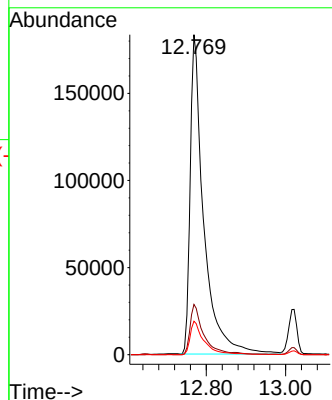
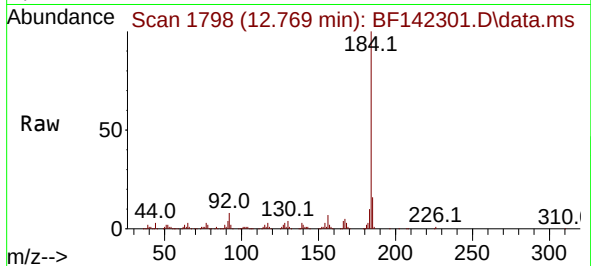




#77
Benzidine
Concen: 66.599 ng
RT: 12.769 min Scan# 1798
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

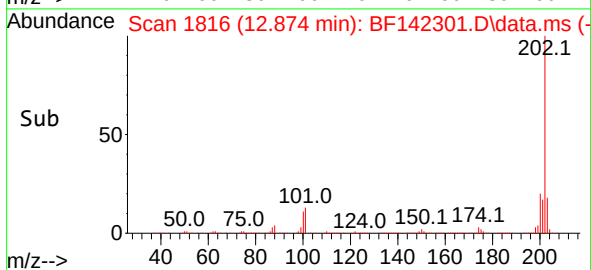
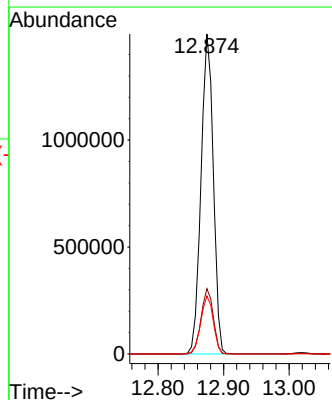
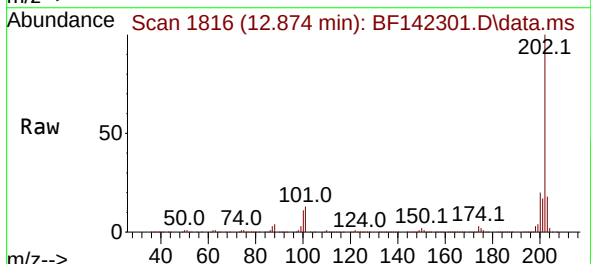
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

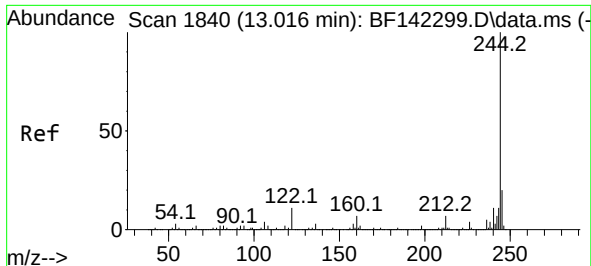
Tgt Ion:184 Resp: 434063
Ion Ratio Lower Upper
184 100
185 15.7 12.6 18.8
183 10.5 8.6 12.8



#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

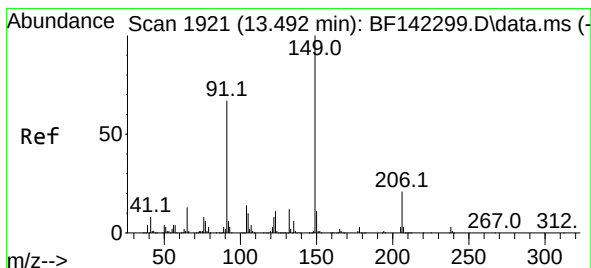
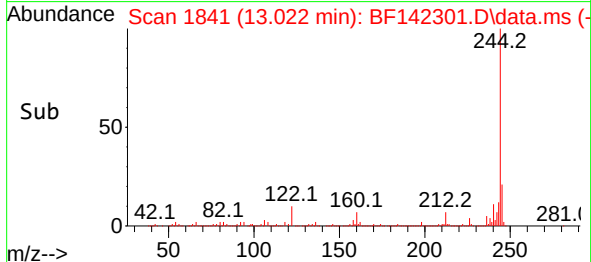
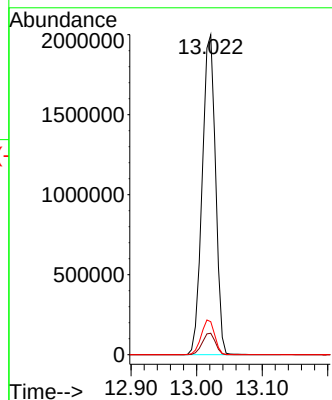
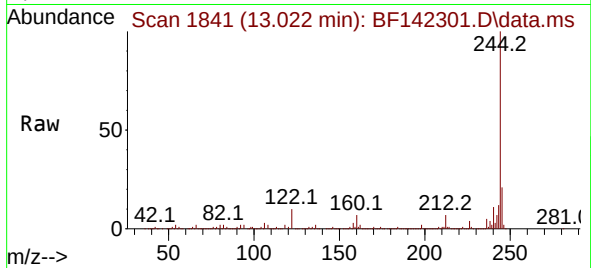




#79
 Terphenyl-d14
 Concen: 116.709 ng
 RT: 13.022 min Scan# 1841
 Delta R.T. 0.006 min
 Lab File: BF142301.D
 Acq: 05 May 2025 16:47

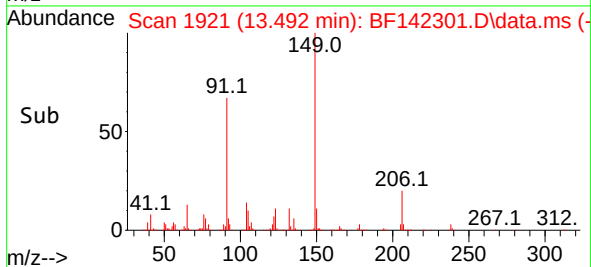
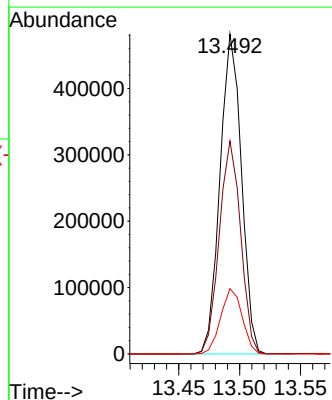
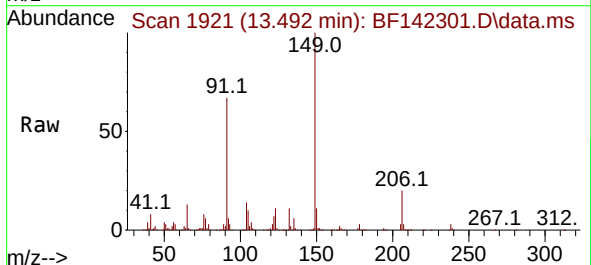
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC060

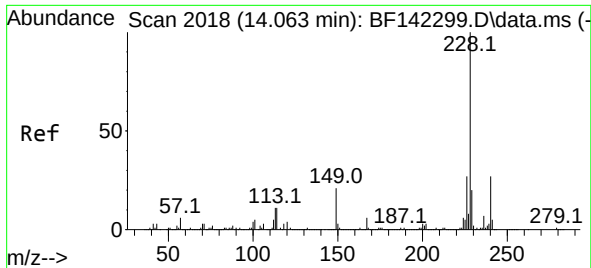
Tgt Ion:244 Resp: 2827945
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.2
 122 10.3 9.0 13.4



#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

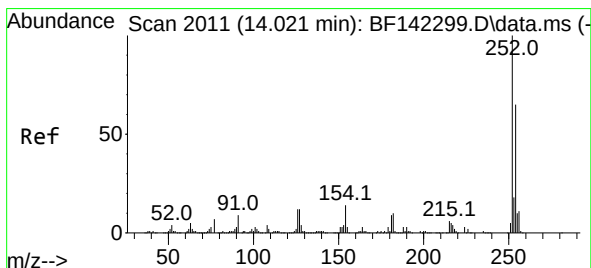
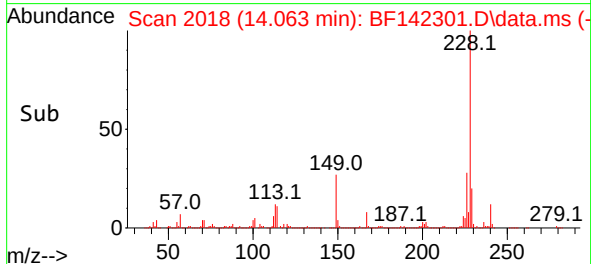
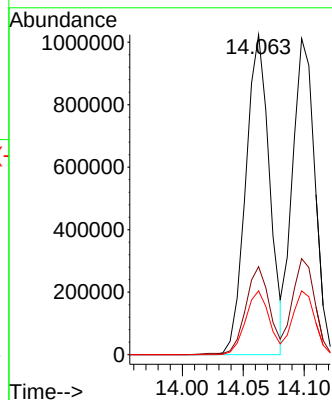
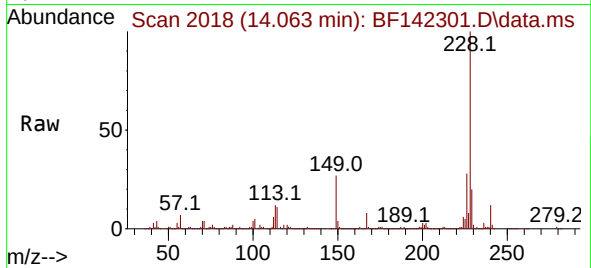




#81
Benzo(a)anthracene
Concen: 60.043 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.000 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

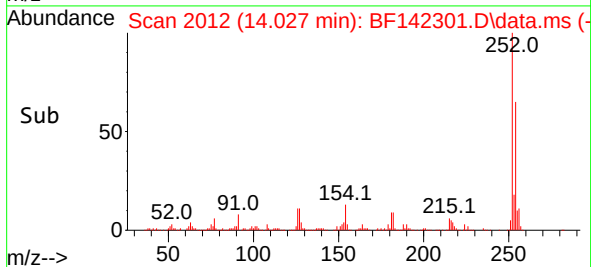
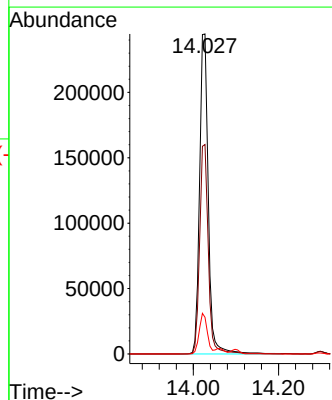
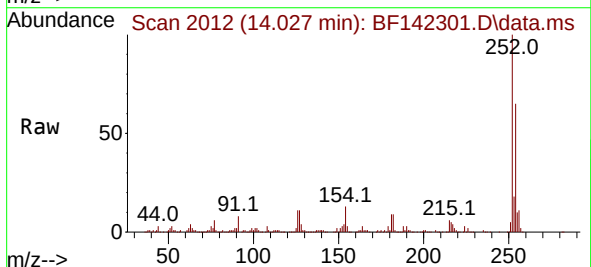
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

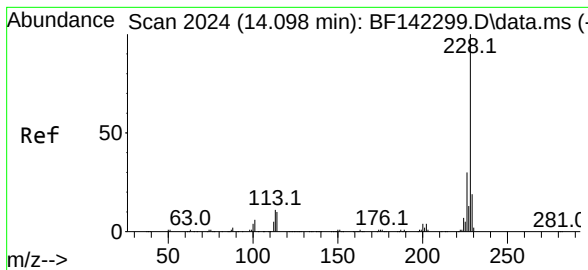
Tgt Ion:228 Resp: 1394561
Ion Ratio Lower Upper
228 100
226 27.5 21.5 32.3
229 20.0 15.9 23.9



#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# 2024

Delta R.T. -0.000 min

Lab File: BF142301.D

Acq: 05 May 2025 16:47

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

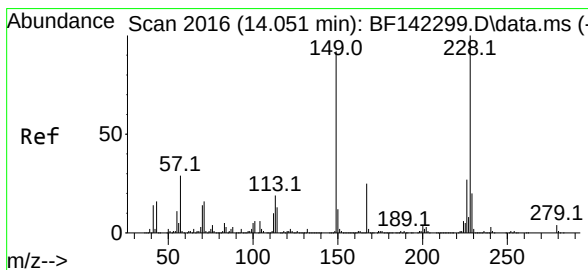
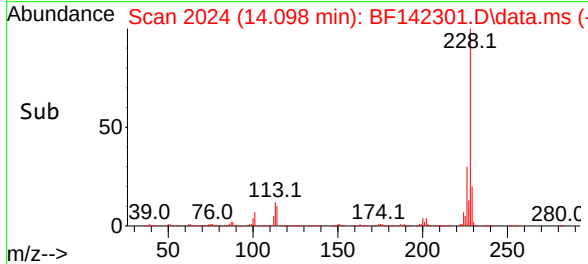
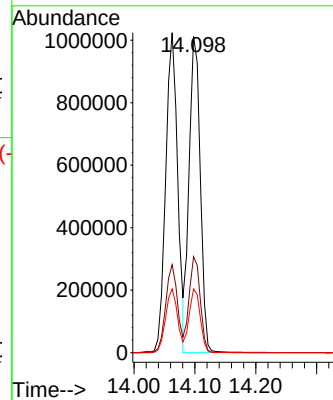
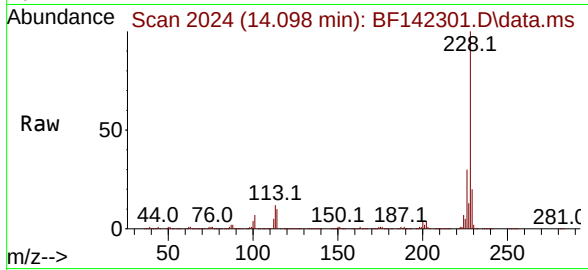
Tgt Ion:228 Resp: 1293807

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

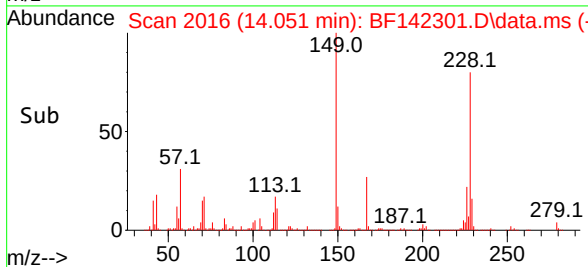
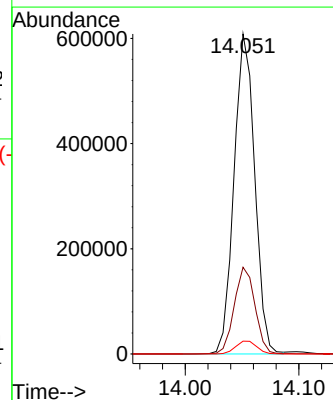
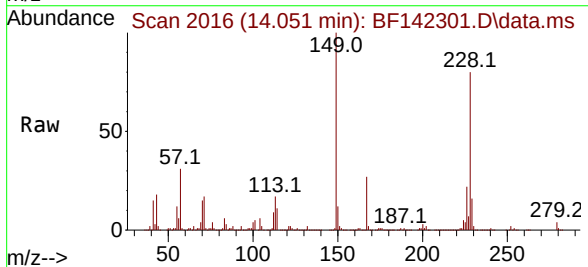
Tgt Ion:149 Resp: 769940

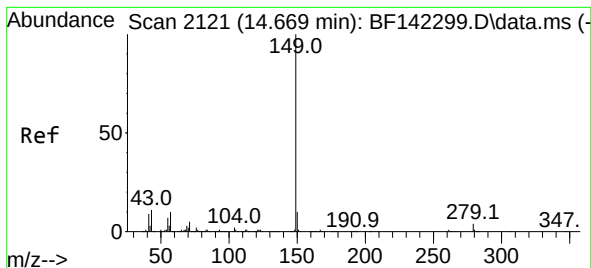
Ion Ratio Lower Upper

149 100

167 27.1 22.0 33.0

279 4.0 3.0 4.6

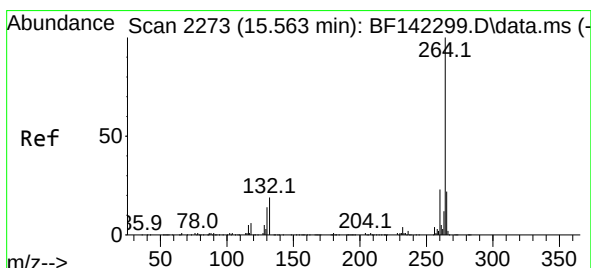
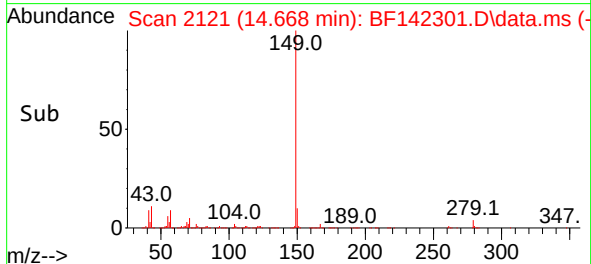
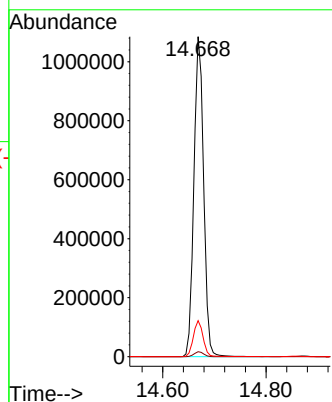
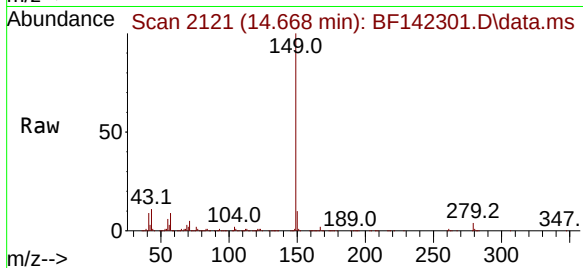




#85
Di-n-octyl phthalate
Concen: 61.963 ng
RT: 14.668 min Scan# 2121
Delta R.T. -0.001 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

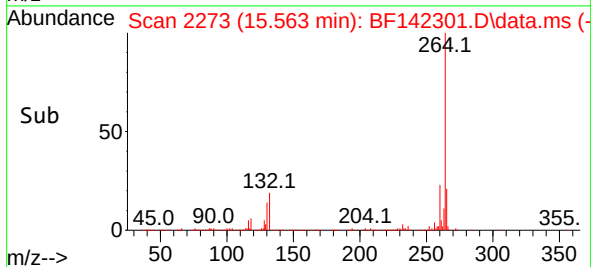
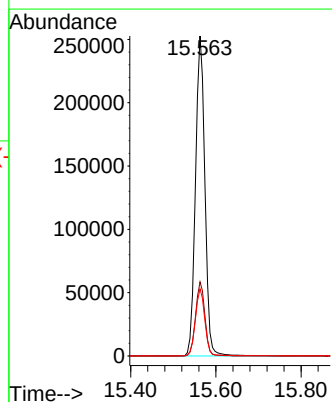
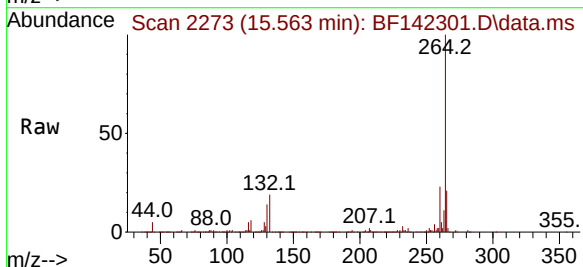
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

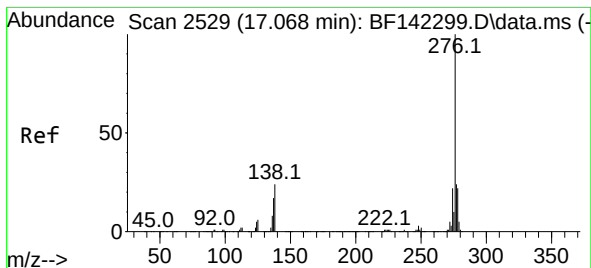
Tgt Ion:149 Resp: 1414997
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 11.3 9.2 13.8



#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# 2199

Delta R.T. 0.012 min

Lab File: BF142301.D

Acq: 05 May 2025 16:47

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

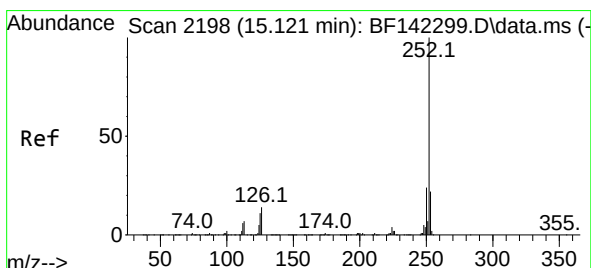
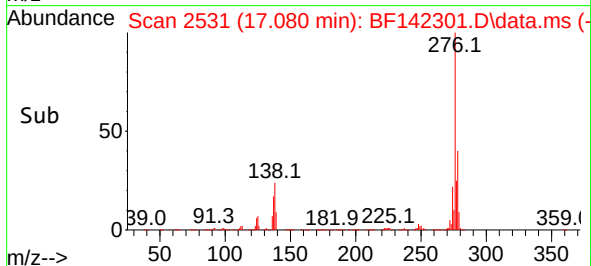
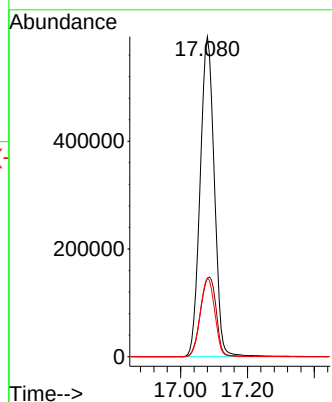
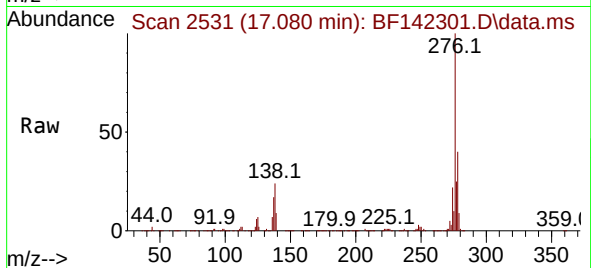
Tgt Ion:276 Resp: 1749961

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

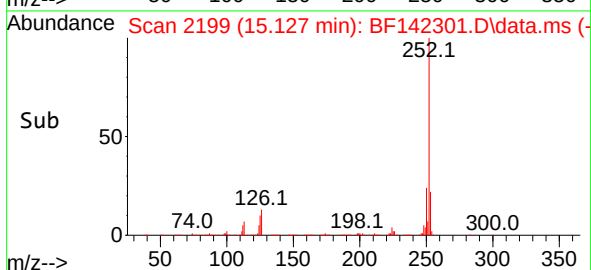
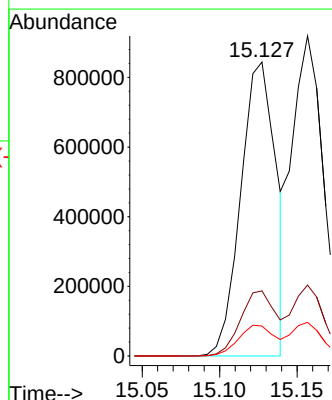
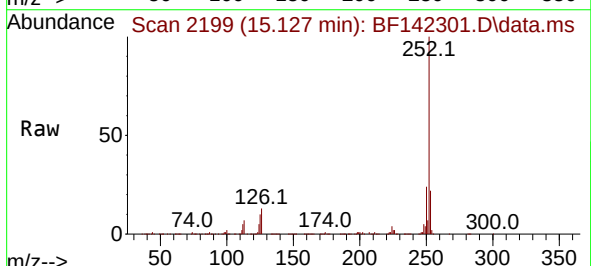
Tgt Ion:252 Resp: 1328806

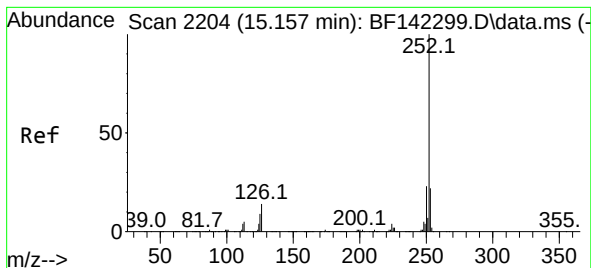
Ion Ratio Lower Upper

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# 21

Delta R.T. -0.000 min

Lab File: BF142301.D

Acq: 05 May 2025 16:47

Instrument :

BNA_F

ClientSampleId :

SSTDICC060

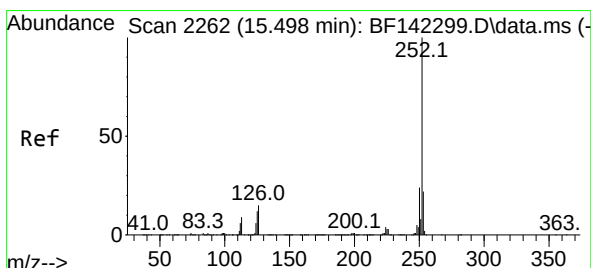
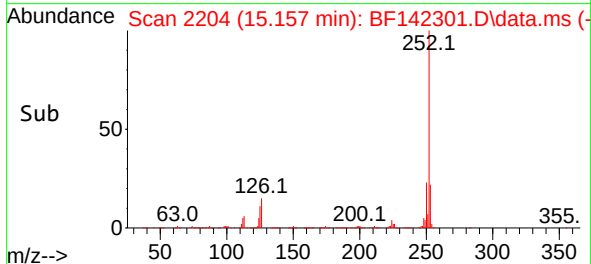
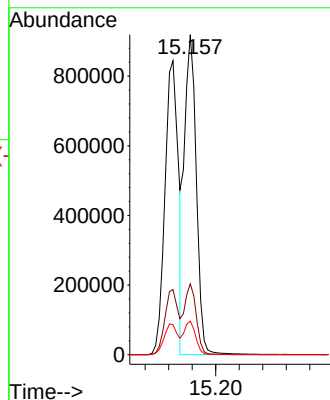
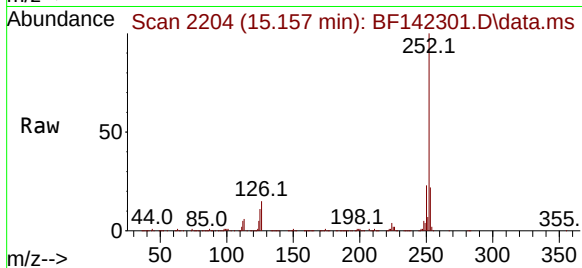
Tgt Ion:252 Resp: 1296375

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

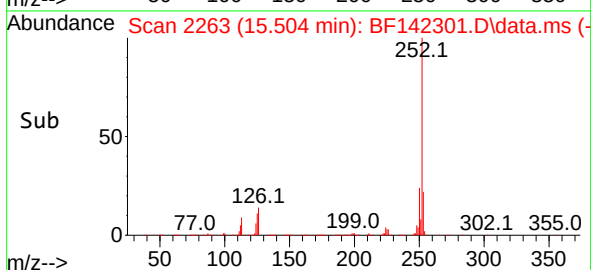
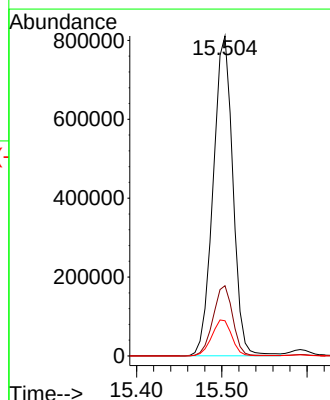
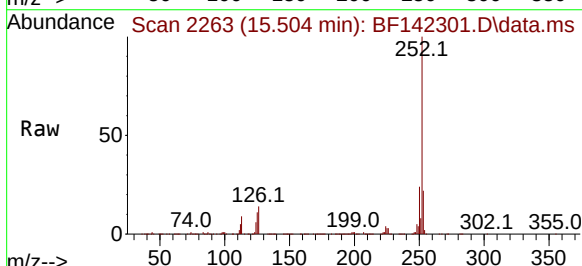
Tgt Ion:252 Resp: 1302088

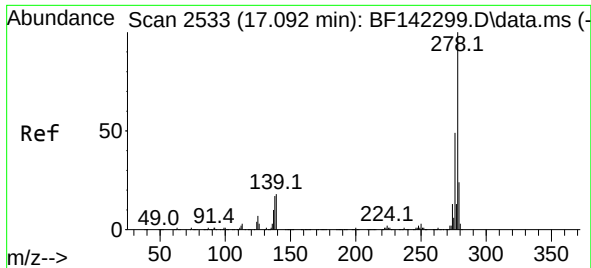
Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.6

125 11.0 9.4 14.0

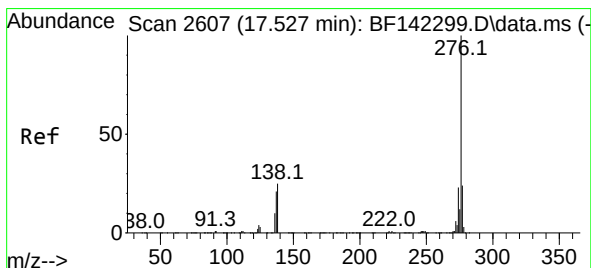
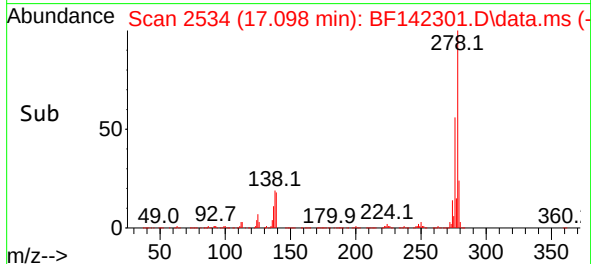
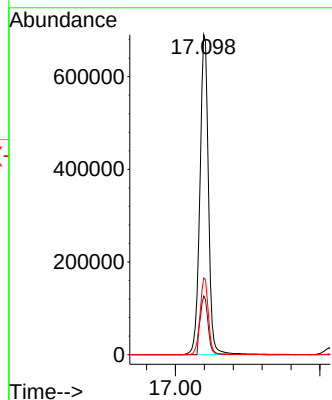
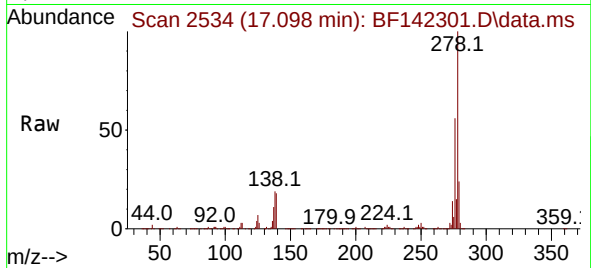




#91
Dibenzo(a,h)anthracene
Concen: 63.902 ng
RT: 17.098 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF142301.D
Acq: 05 May 2025 16:47

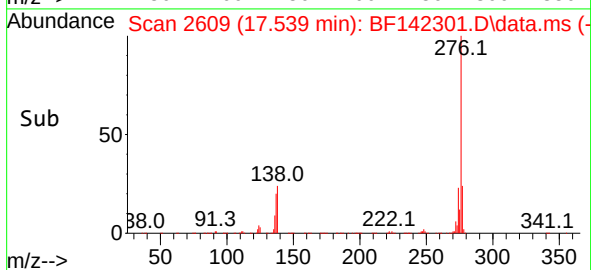
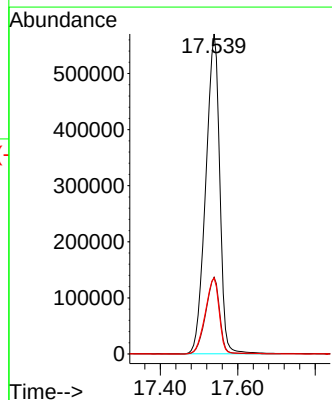
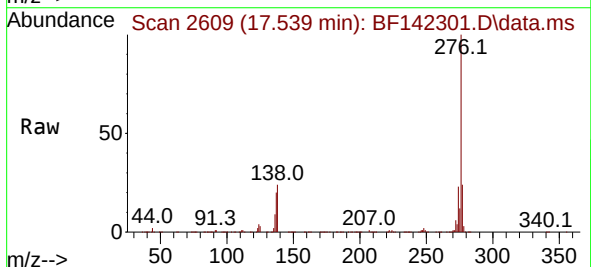
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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



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

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 Acq On : 05 May 2025 17:15
 Operator : RC/JU
 Sample : SSTDICC080
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 ALS Vial : 9 Sample Multiplier: 1

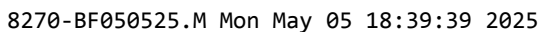
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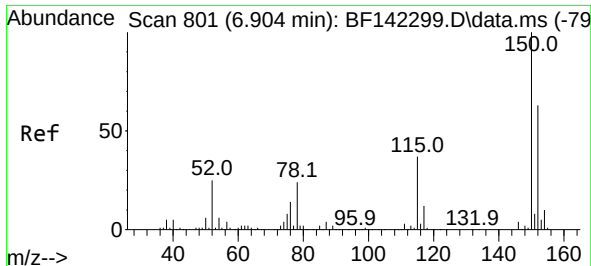
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 05 18:17:22 2025
 Response via : Initial Calibration

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

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

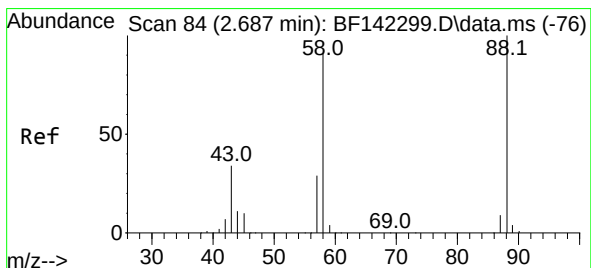
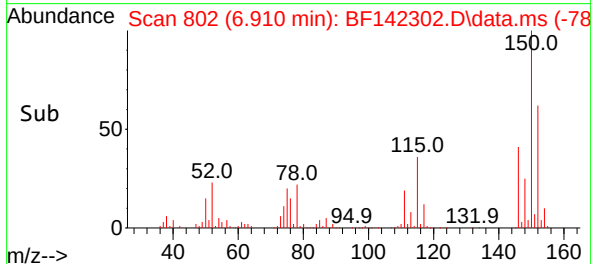
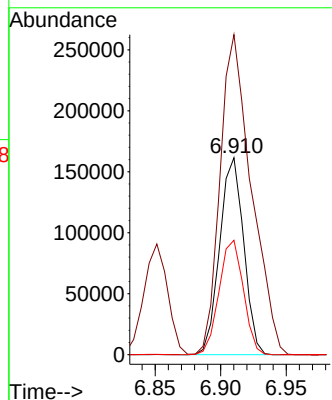
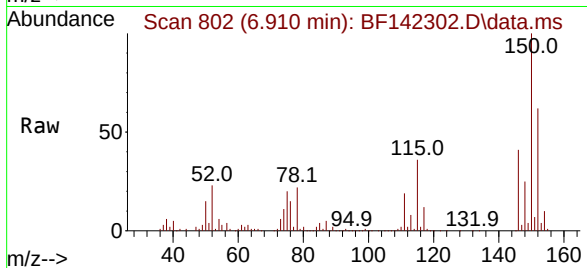




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.910 min Scan# 80
 Delta R.T. 0.006 min
 Lab File: BF142302.D
 Acq: 05 May 2025 17:15

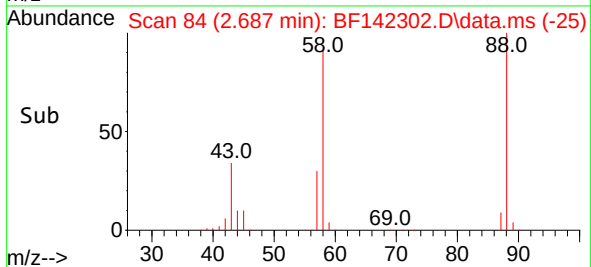
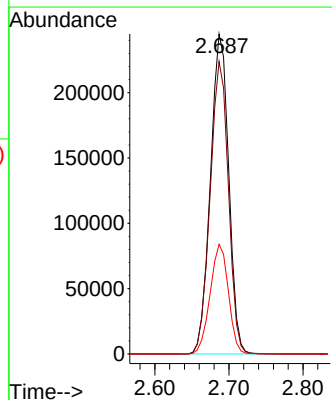
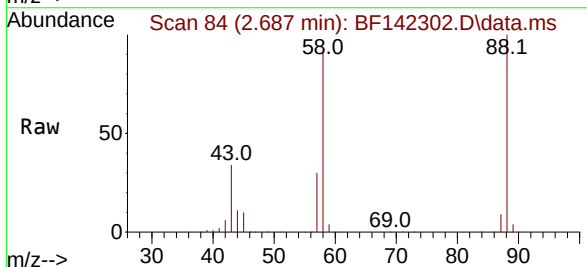
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 ClientSampleId :
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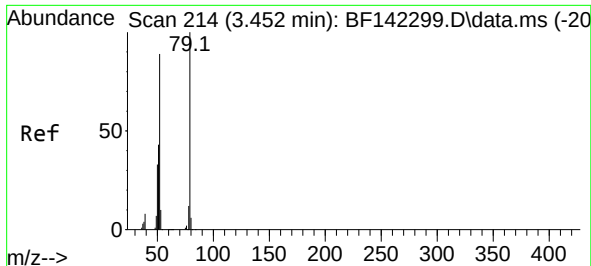
Tgt Ion:152 Resp: 205452
 Ion Ratio Lower Upper
 152 100
 150 162.5 126.6 190.0
 115 58.1 47.3 70.9



#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

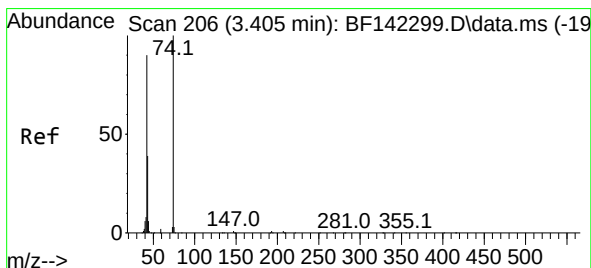
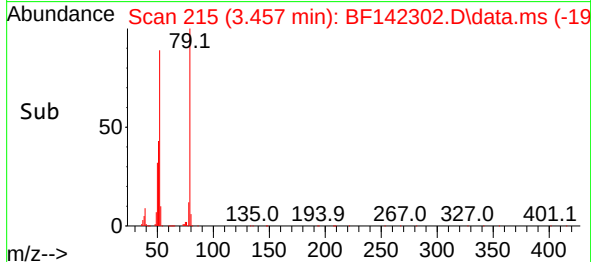
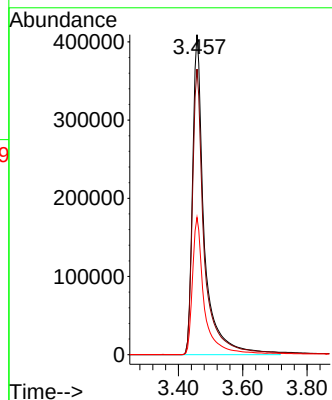
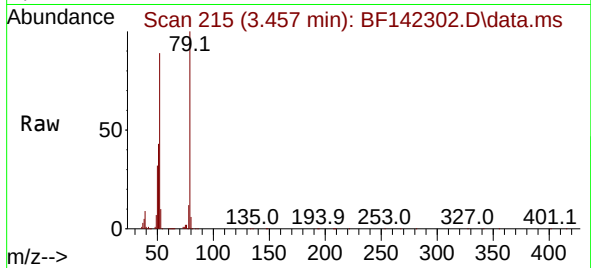




#3
Pyridine
Concen: 82.025 ng
RT: 3.457 min Scan# 214
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

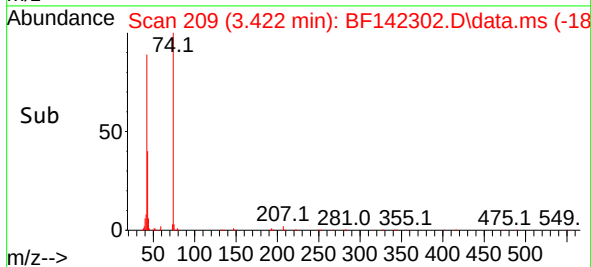
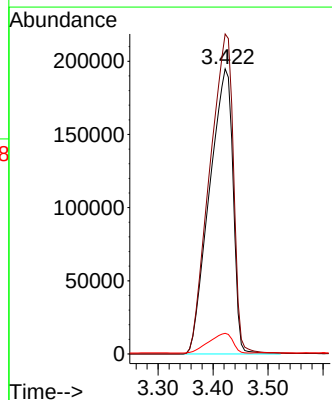
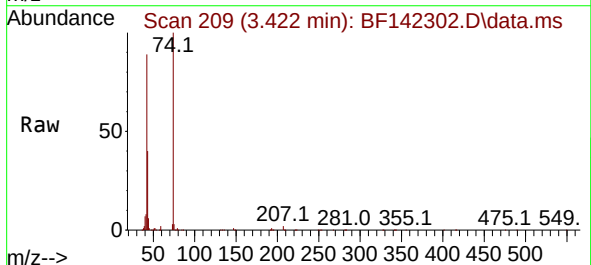
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

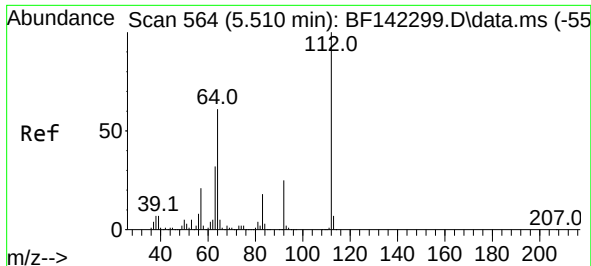
Tgt Ion: 79 Resp: 1043726
Ion Ratio Lower Upper
79 100
52 89.3 71.0 106.4
51 42.9 34.9 52.3



#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

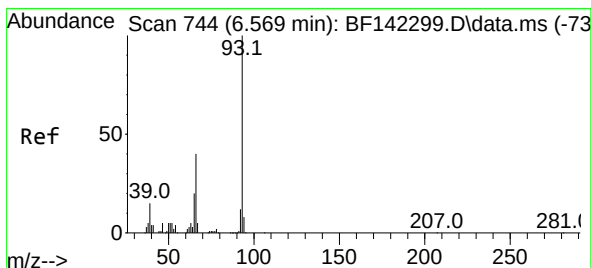
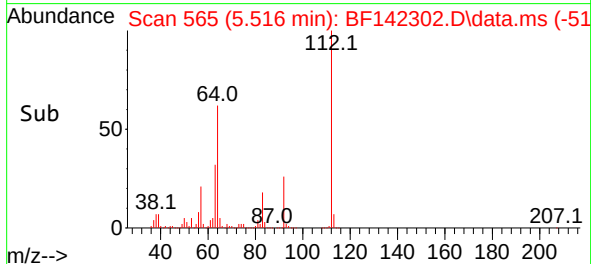
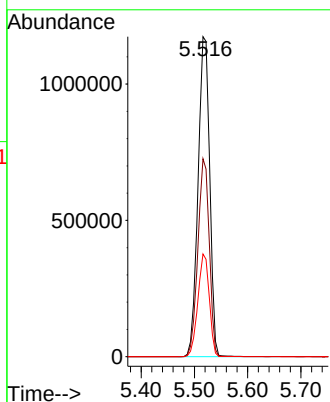
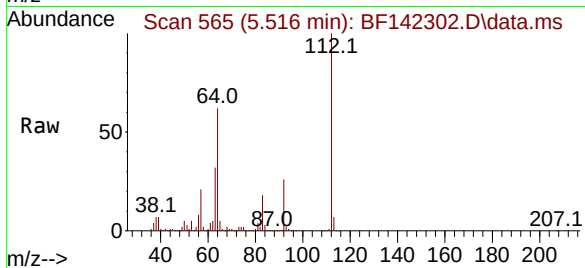




#5
2-Fluorophenol
Concen: 148.254 ng
RT: 5.516 min Scan# 51
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

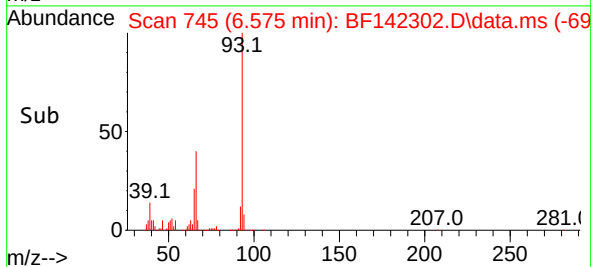
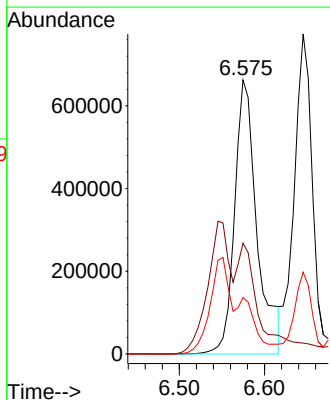
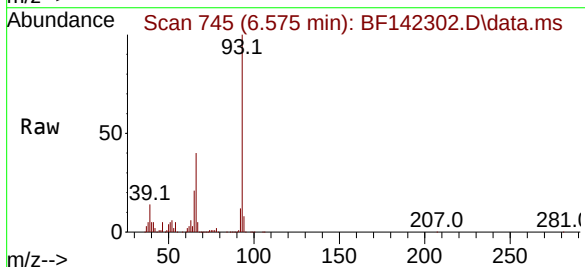
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

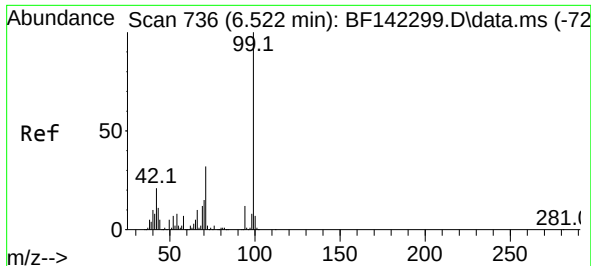
Tgt Ion:112 Resp: 1784288
Ion Ratio Lower Upper
112 100
64 61.8 48.9 73.3
63 32.1 25.6 38.4



#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



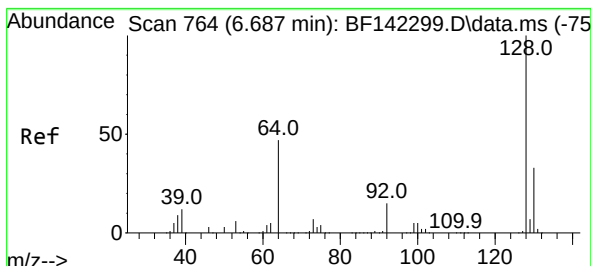
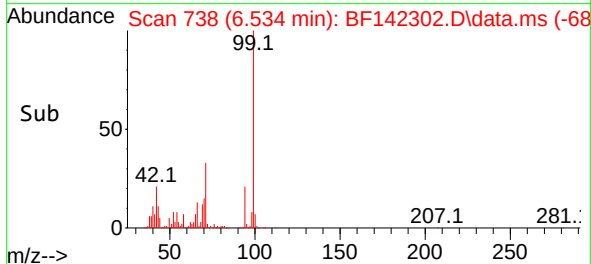
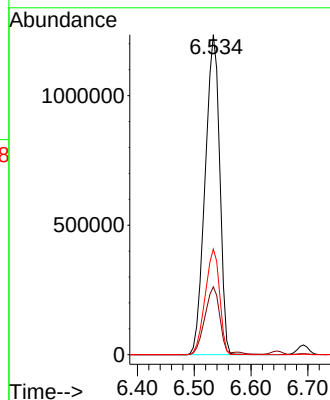
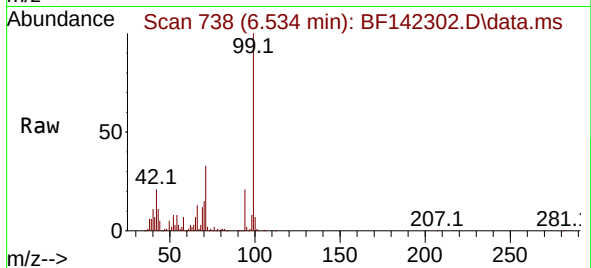


#7
Phenol-d6
Concen: 148.311 ng
RT: 6.534 min Scan# 71
Delta R.T. 0.012 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 99 Resp: 2195377

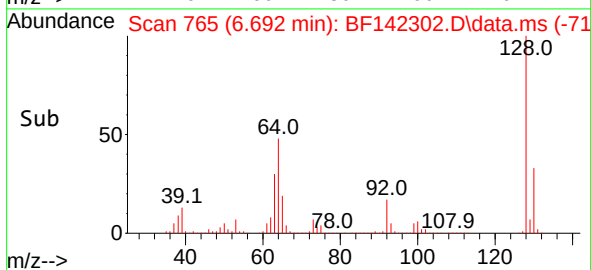
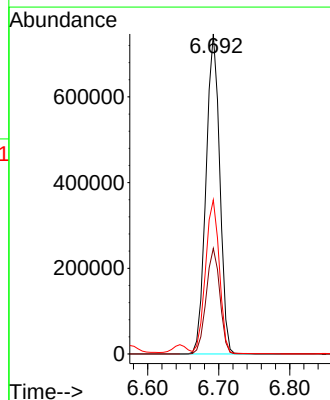
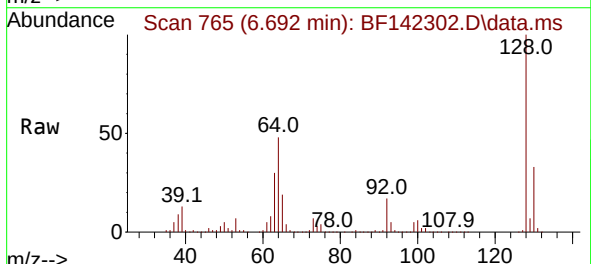
Ion	Ratio	Lower	Upper
99	100		
42	21.2	17.0	25.4
71	33.0	25.8	38.8

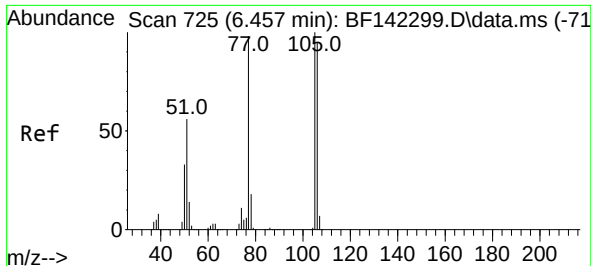


#8
2-Chlorophenol
Concen: 78.300 ng
RT: 6.692 min Scan# 765
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

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# 71

Delta R.T. 0.000 min

Lab File: BF142302.D

Acq: 05 May 2025 17:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

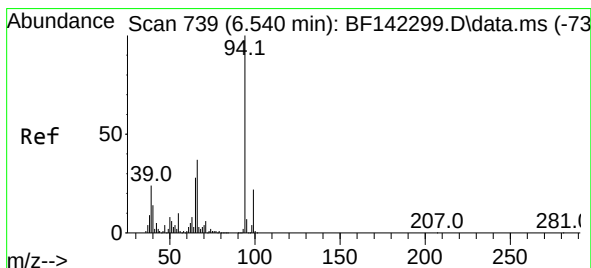
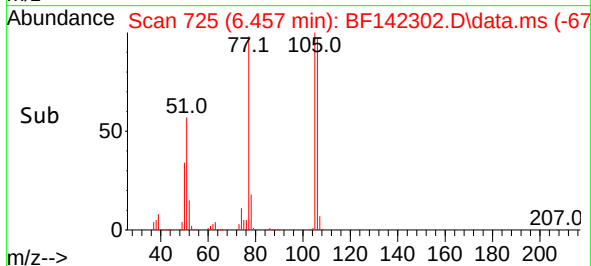
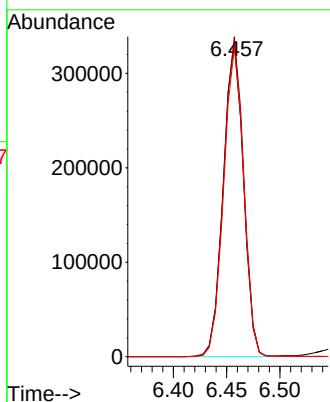
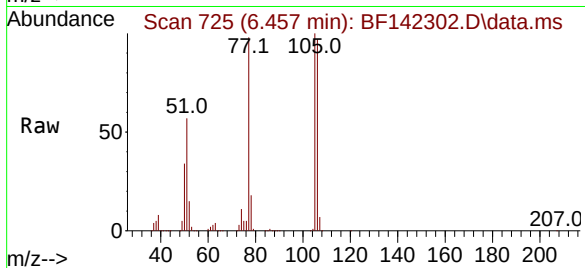
Tgt Ion: 77 Resp: 435889

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

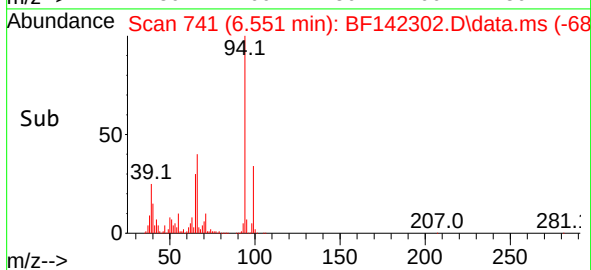
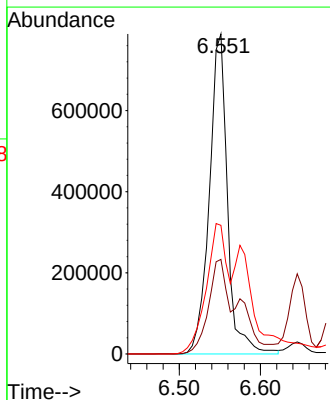
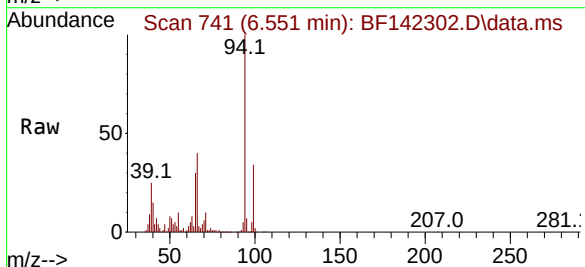
Tgt Ion: 94 Resp: 1223529

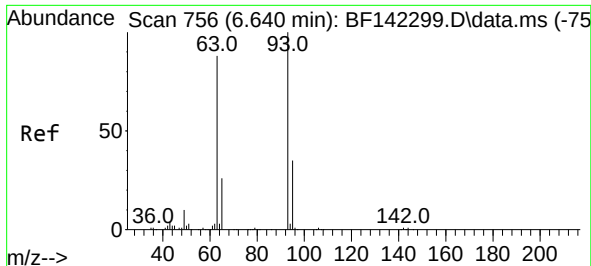
Ion Ratio Lower Upper

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# 71

Delta R.T. 0.006 min

Lab File: BF142302.D

Acq: 05 May 2025 17:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

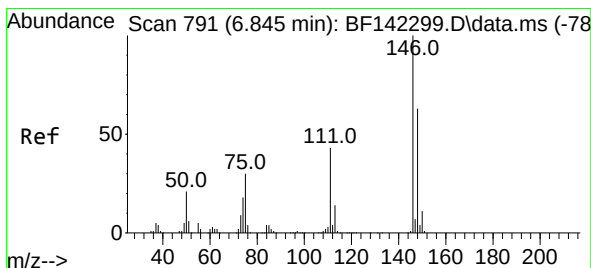
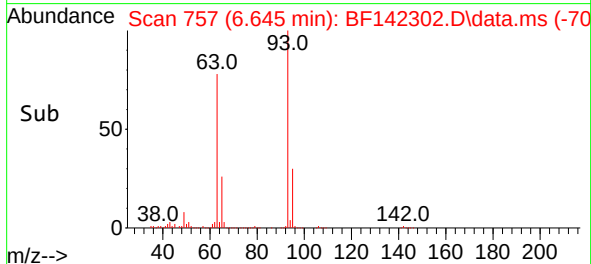
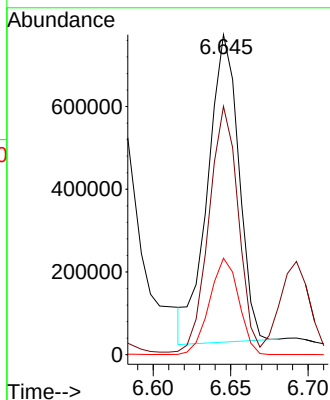
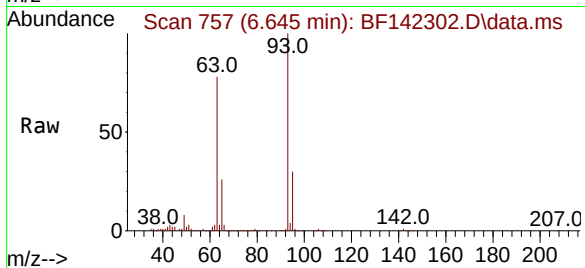
Tgt Ion: 93 Resp: 1036576

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

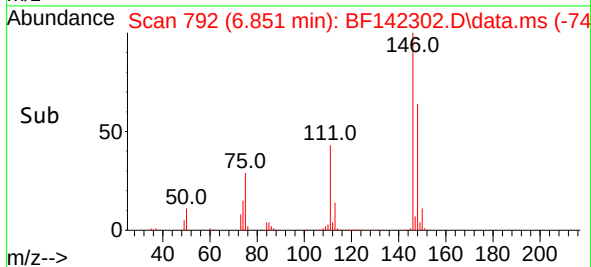
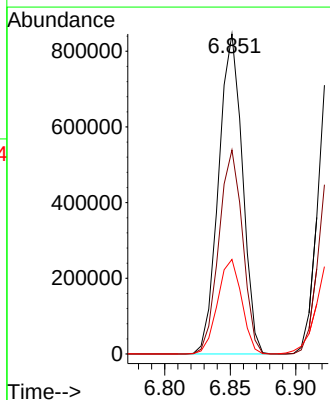
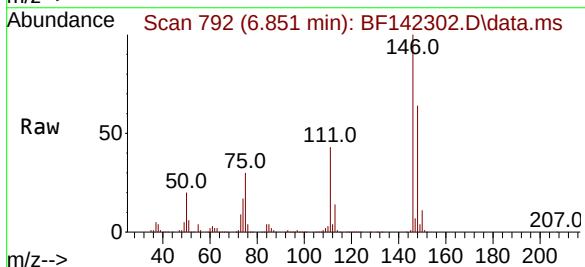
Tgt Ion:146 Resp: 1066308

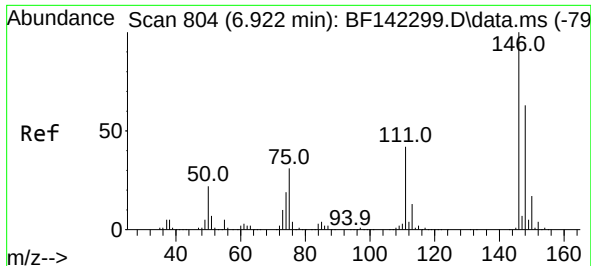
Ion Ratio Lower Upper

146 100

148 63.7 50.6 76.0

75 29.6 24.2 36.4

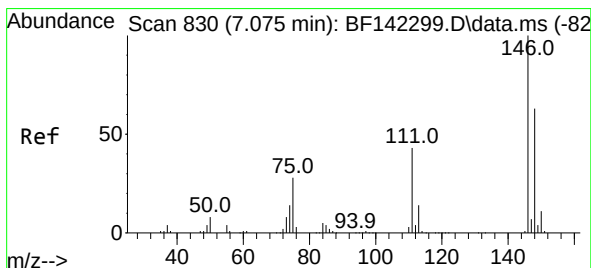
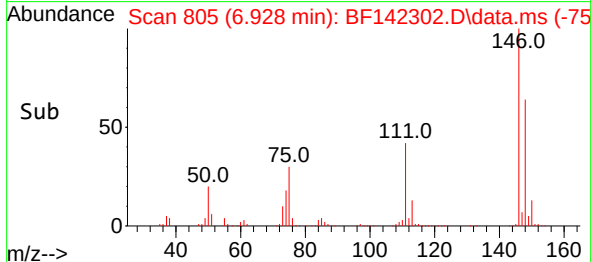
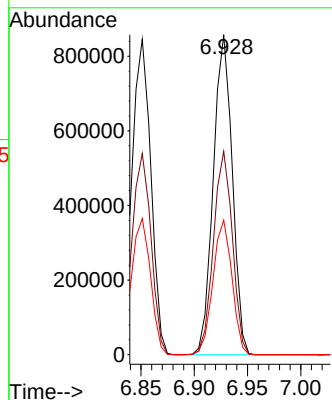
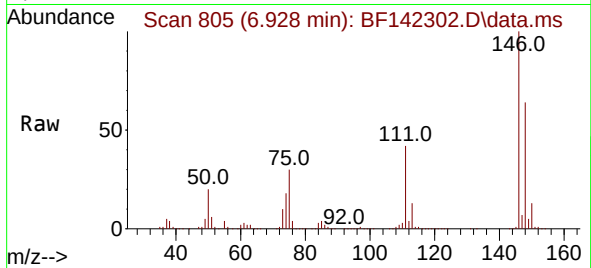




#13
1,4-Dichlorobenzene
Concen: 71.991 ng
RT: 6.928 min Scan# 804
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

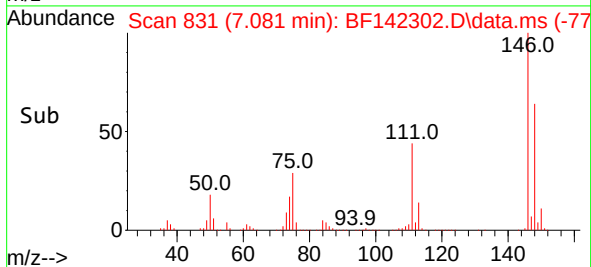
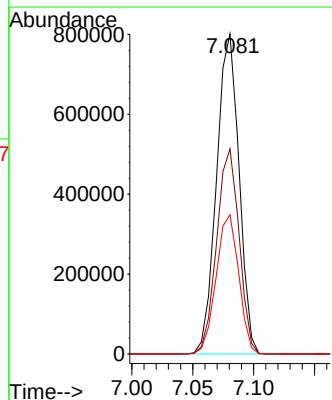
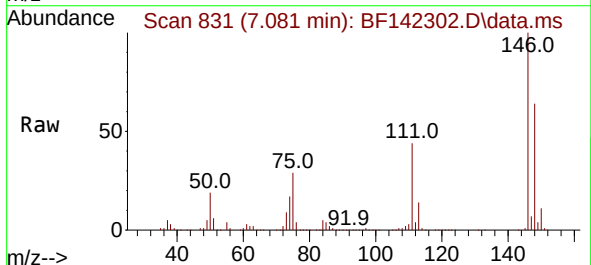
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

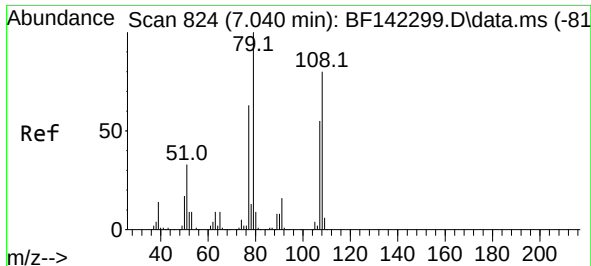
Tgt Ion:146 Resp: 1063540
Ion Ratio Lower Upper
146 100
148 63.5 50.5 75.7
111 42.1 33.4 50.2



#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

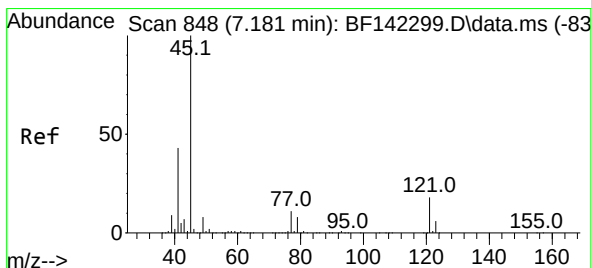
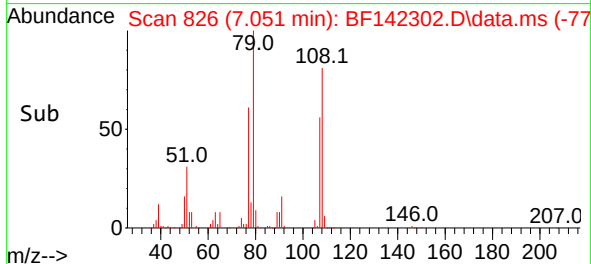
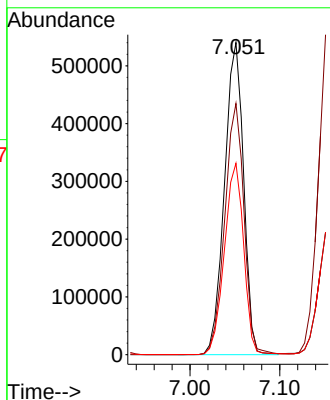
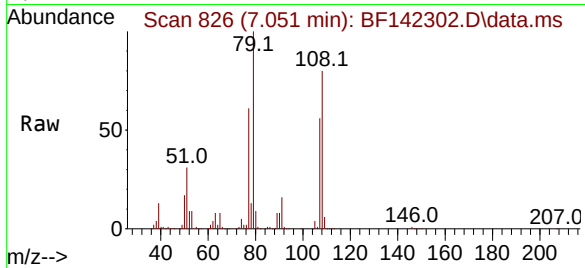




#15
Benzyl Alcohol
Concen: 83.370 ng
RT: 7.051 min Scan# 81
Delta R.T. 0.012 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

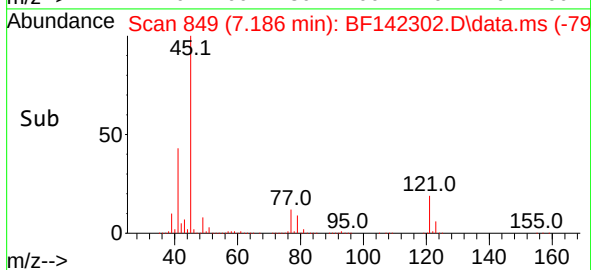
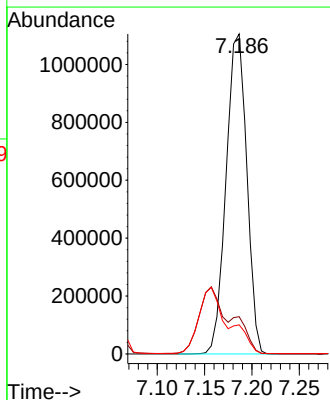
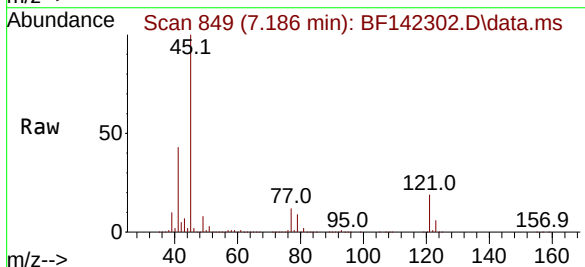
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

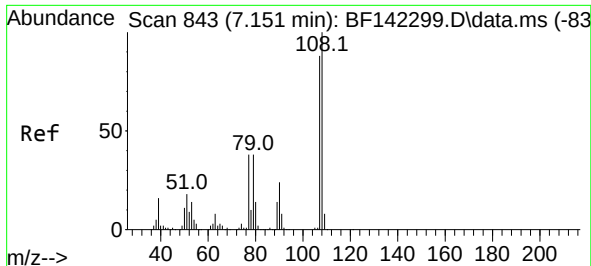
Tgt Ion: 79 Resp: 799114
Ion Ratio Lower Upper
79 100
108 80.5 63.9 95.9
77 61.3 50.7 76.1



#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

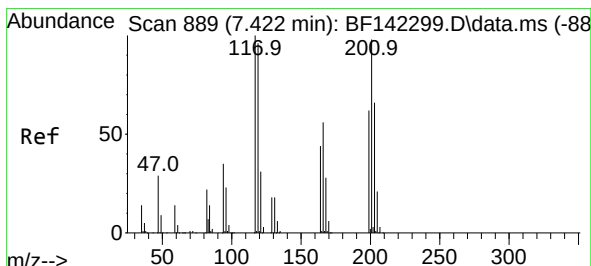
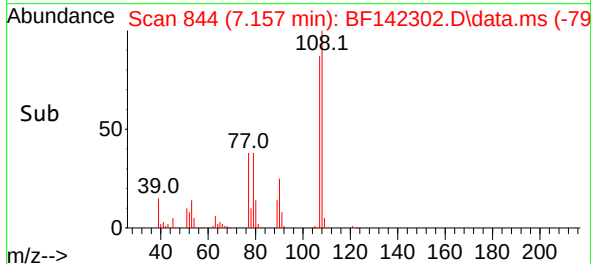
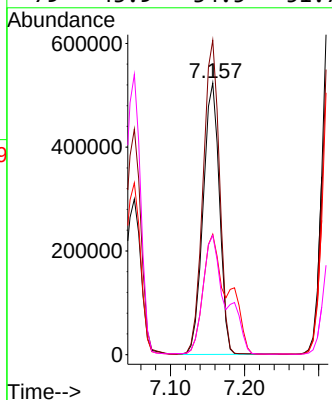
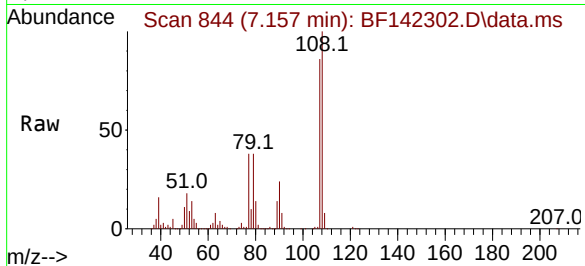




#17
2-Methylphenol
Concen: 77.177 ng
RT: 7.157 min Scan# 843
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

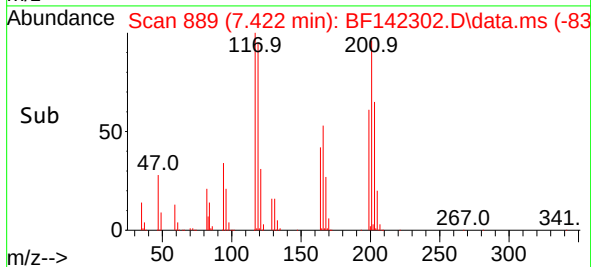
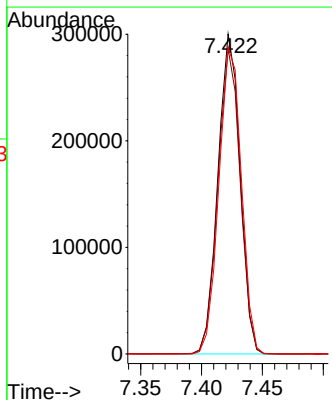
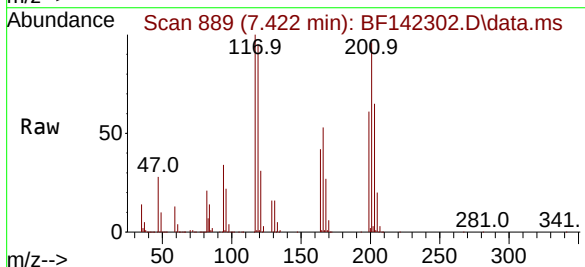
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

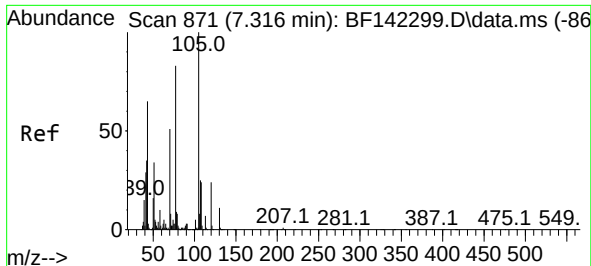
Tgt Ion:107 Resp: 803596
Ion Ratio Lower Upper
107 100
108 115.7 91.1 136.7
77 44.4 34.7 52.1
79 43.9 34.5 51.7



#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

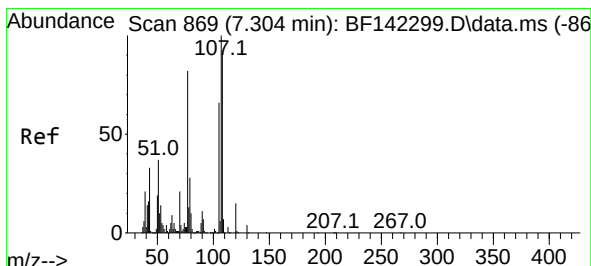
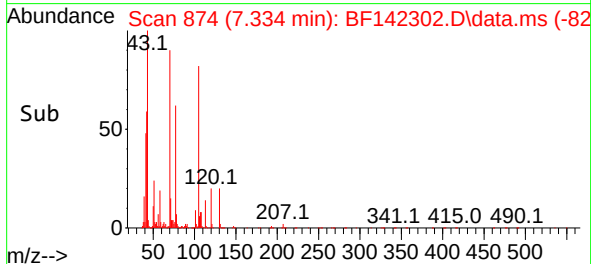
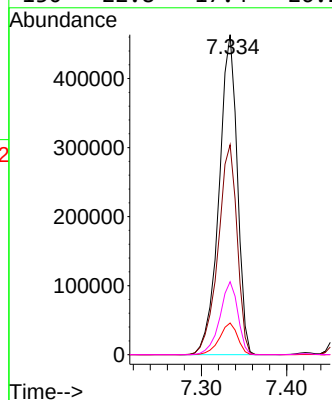
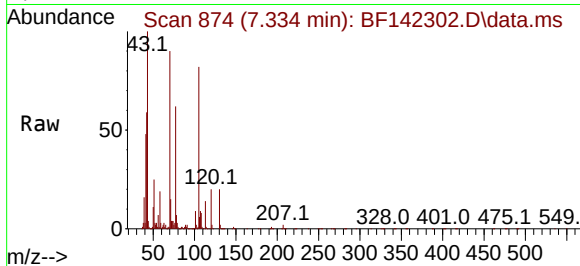




#19
n-Nitroso-di-n-propylamine
Concen: 75.168 ng
RT: 7.334 min Scan# 81
Delta R.T. 0.018 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

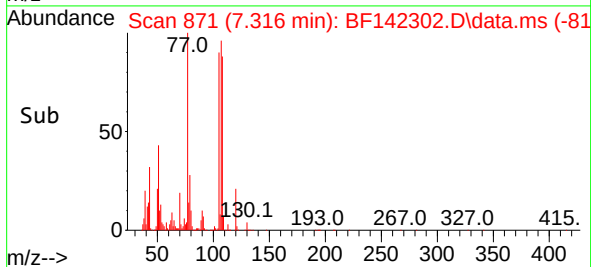
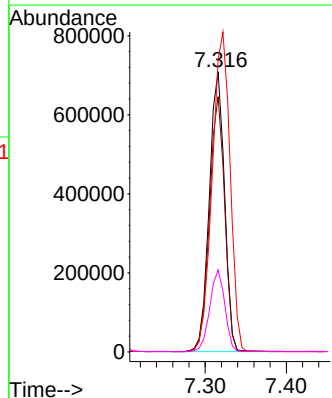
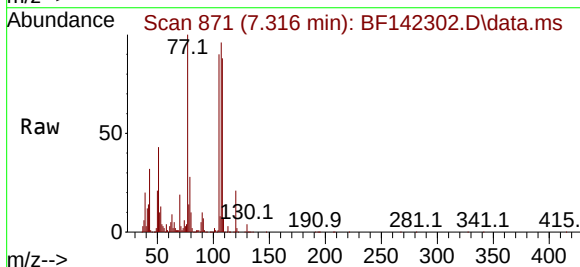
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

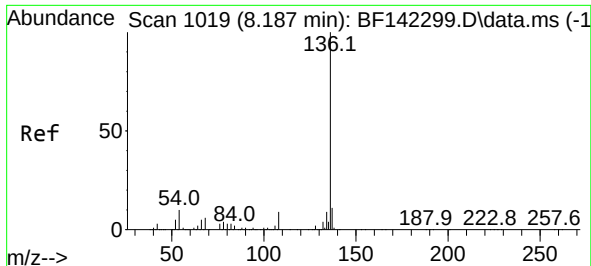
Tgt Ion: 70 Resp: 688261
Ion Ratio Lower Upper
70 100
42 65.6 54.8 82.2
101 9.9 7.7 11.5
130 22.8 17.4 26.2



#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



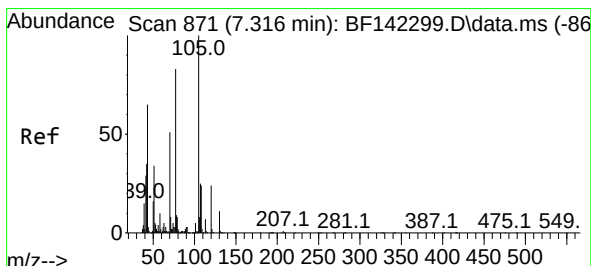
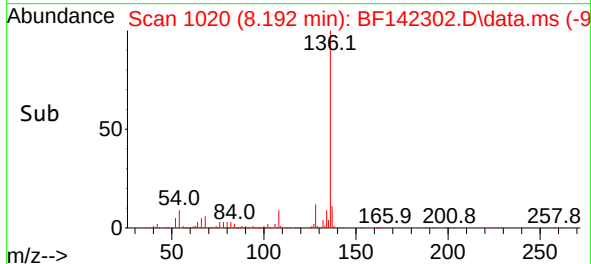
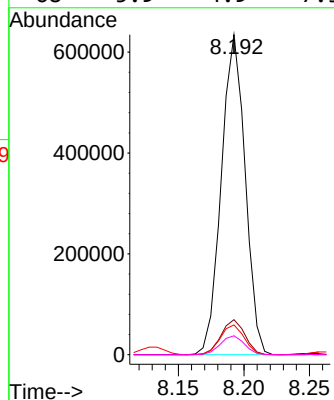
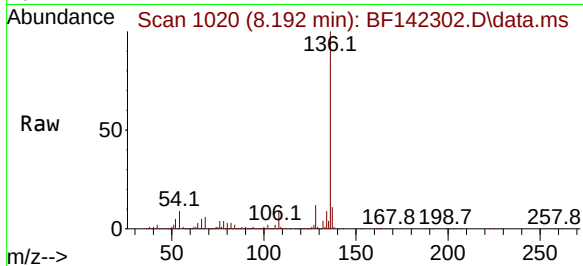


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.192 min Scan# 1019
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:136 Resp: 801101

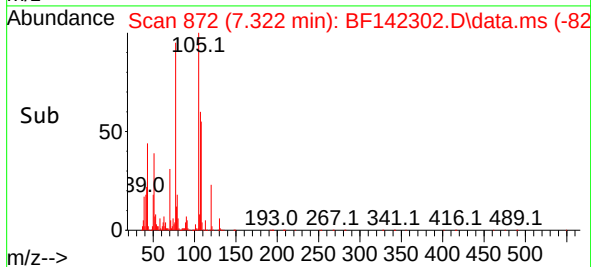
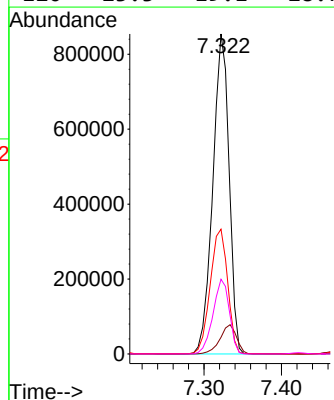
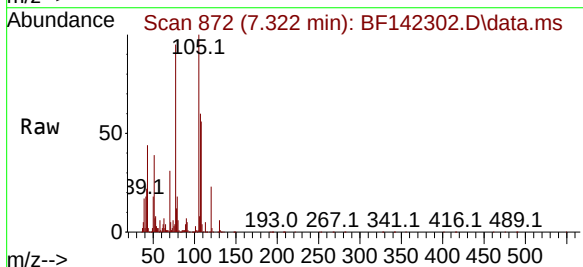
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	9.3	7.7	11.5
68	5.9	4.9	7.3

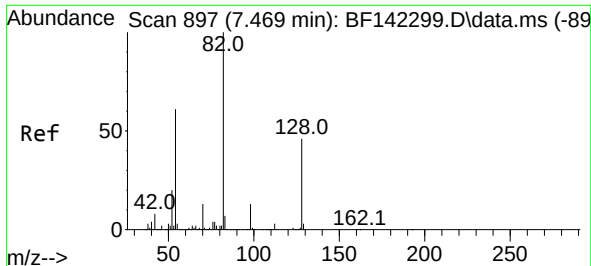


#22
Acetophenone
Concen: 69.916 ng
RT: 7.322 min Scan# 872
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

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# 89

Delta R.T. 0.012 min

Lab File: BF142302.D

Acq: 05 May 2025 17:15

Instrument :

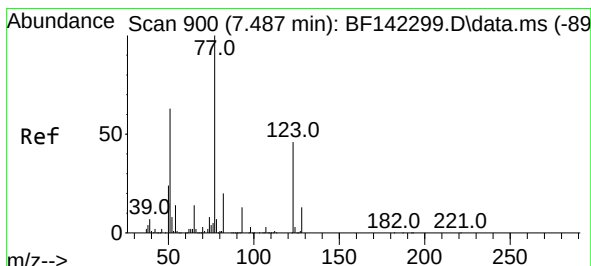
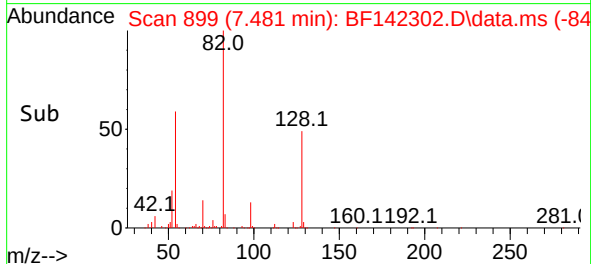
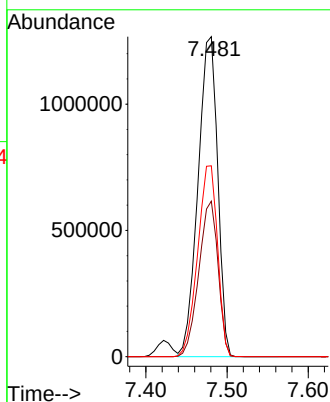
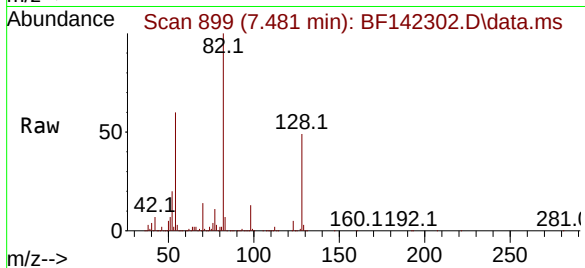
BNA_F

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

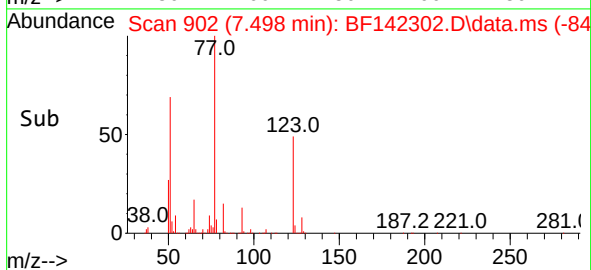
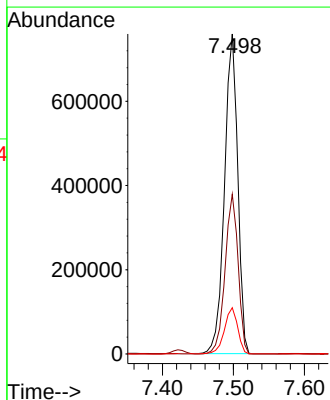
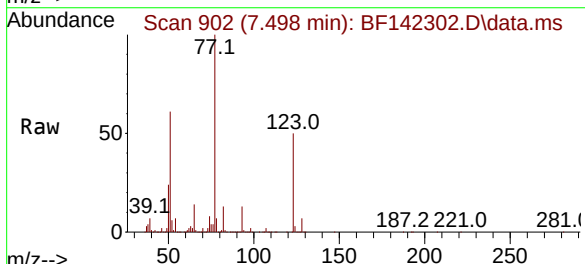
Delta R.T. 0.012 min

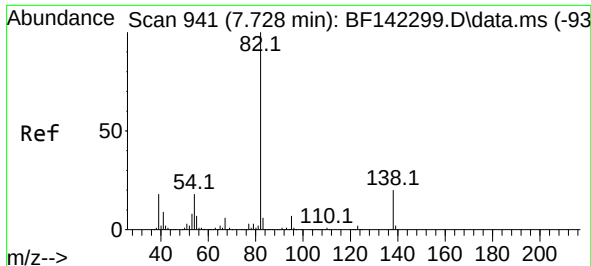
Lab File: BF142302.D

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

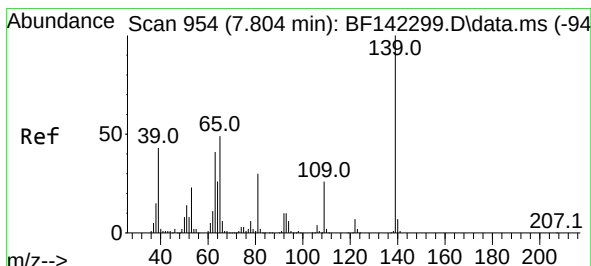
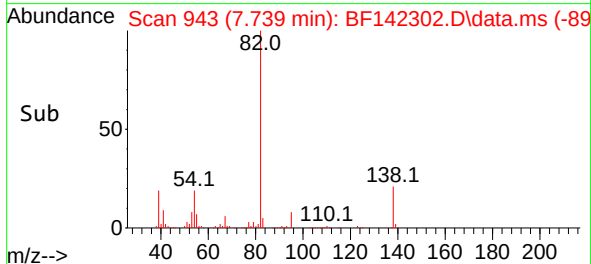
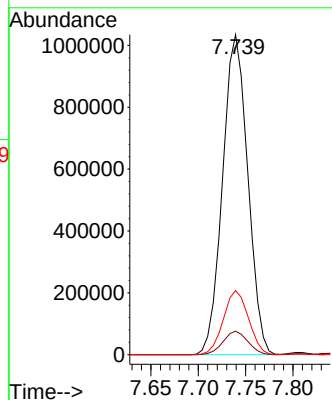
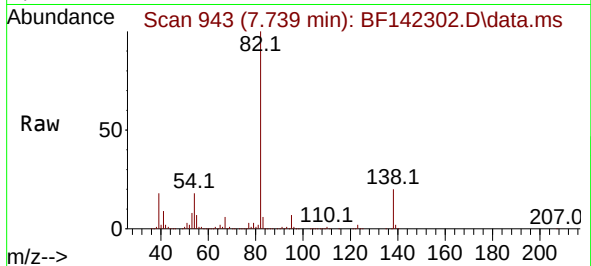




#25
Isophorone
Concen: 77.044 ng
RT: 7.739 min Scan# 941
Delta R.T. 0.012 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

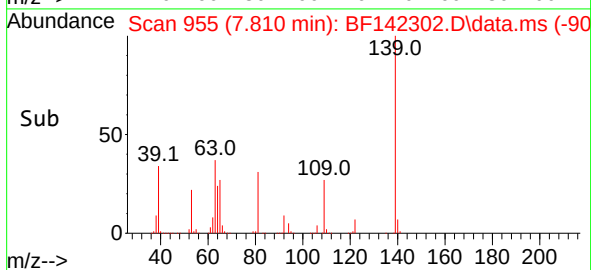
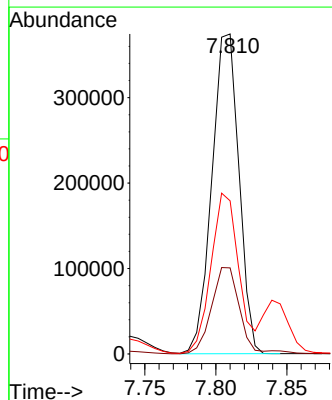
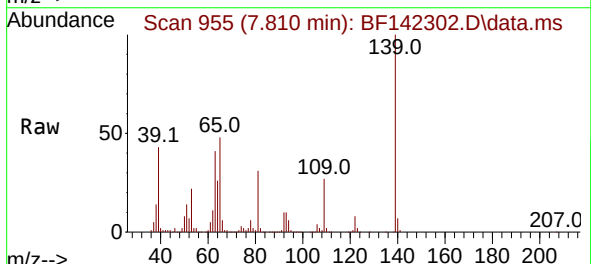
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

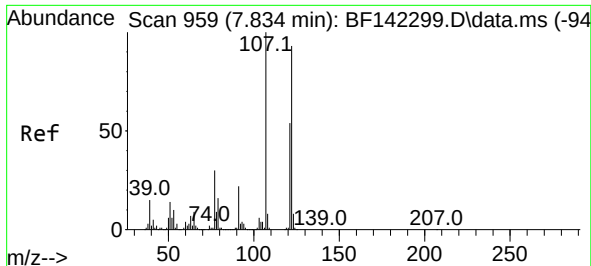
Tgt Ion: 82 Resp: 1916388
Ion Ratio Lower Upper
82 100
95 7.3 5.8 8.8
138 20.1 16.1 24.1



#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

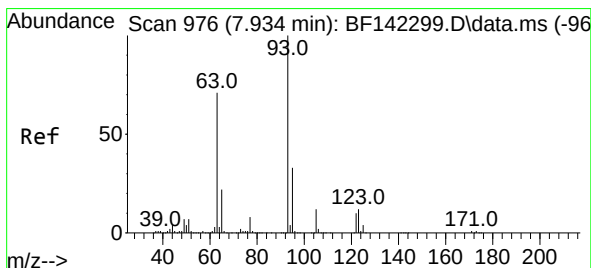
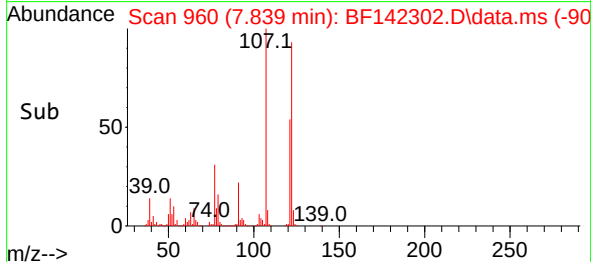
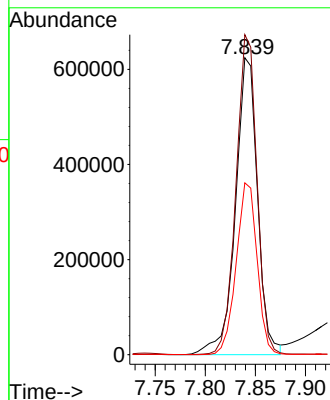
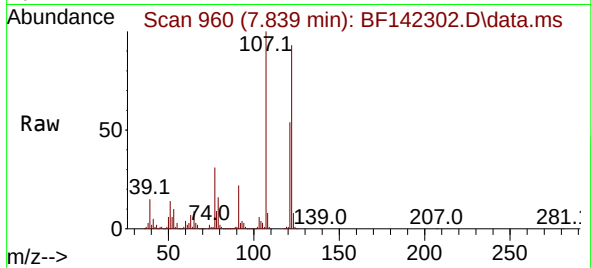
Tgt Ion:122 Resp: 958602

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

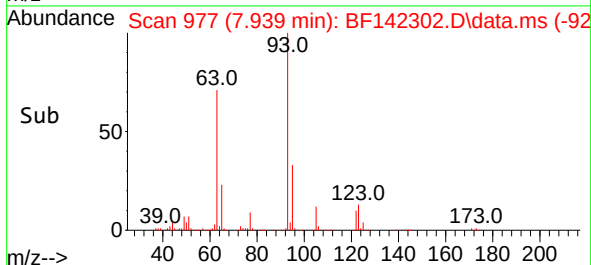
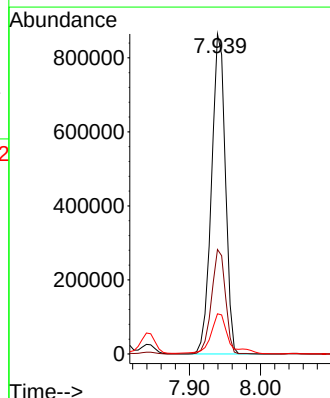
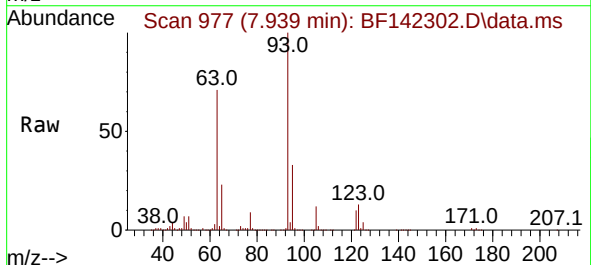
Tgt Ion: 93 Resp: 1171369

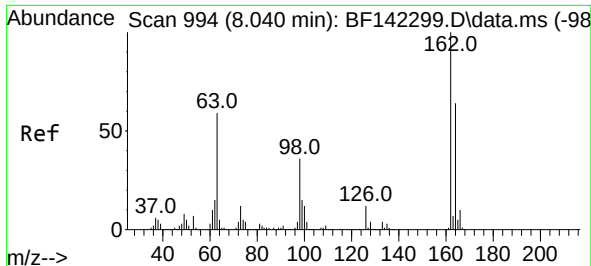
Ion Ratio Lower Upper

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# 994

Delta R.T. 0.006 min

Lab File: BF142302.D

Acq: 05 May 2025 17:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

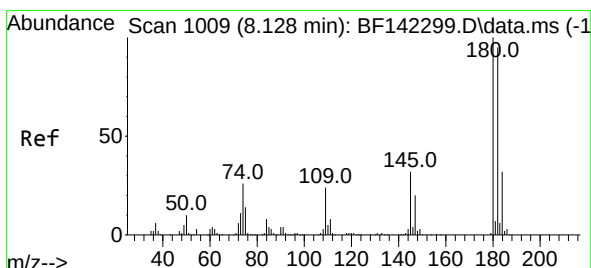
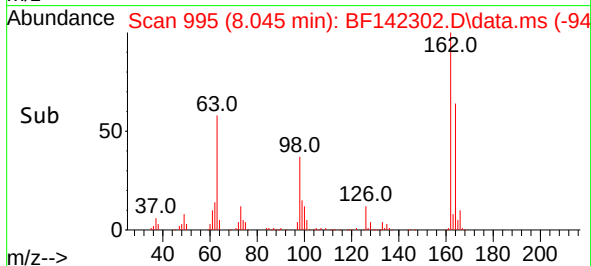
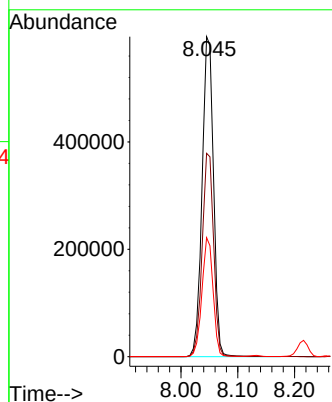
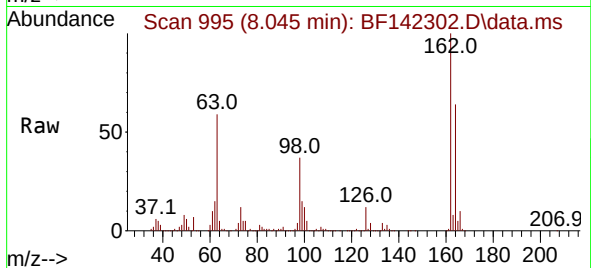
Tgt Ion:162 Resp: 832329

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

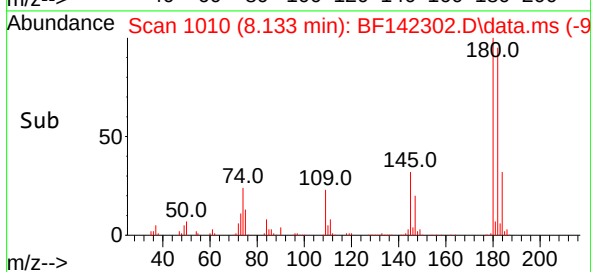
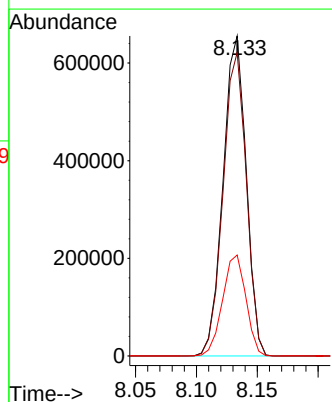
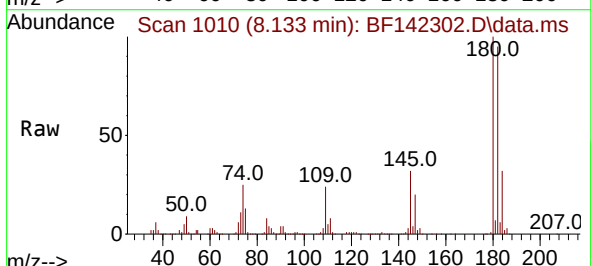
Tgt Ion:180 Resp: 868126

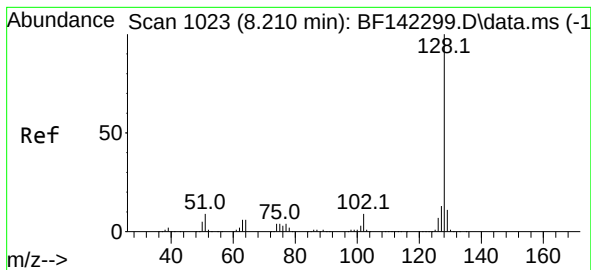
Ion Ratio Lower Upper

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

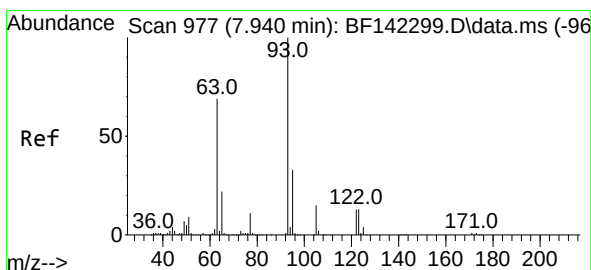
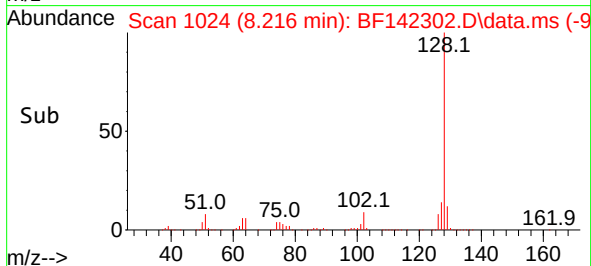
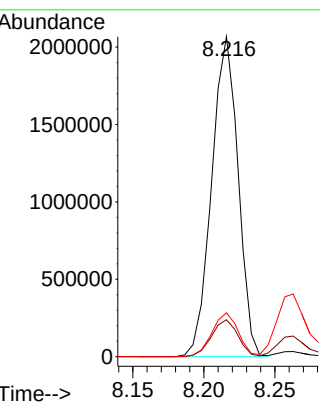
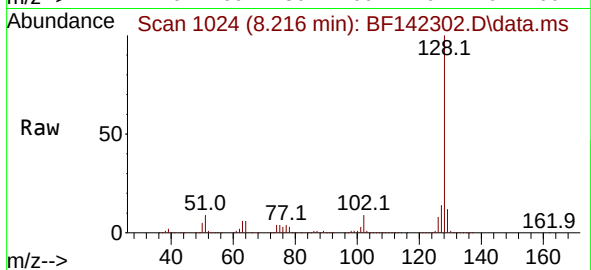
Tgt Ion:128 Resp: 2675722

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

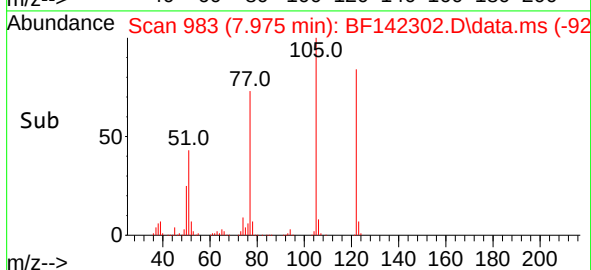
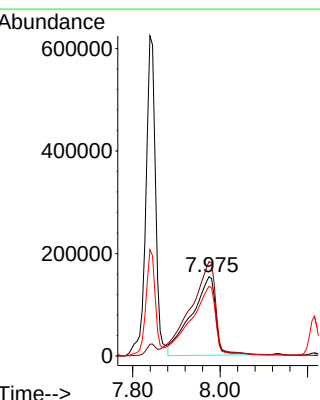
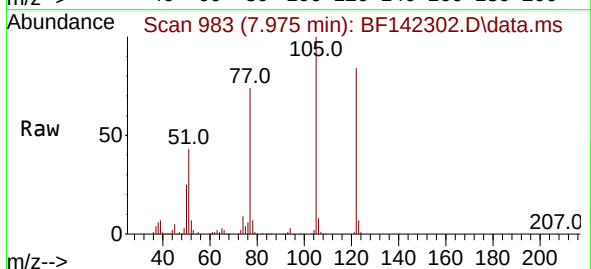
Tgt Ion:122 Resp: 595531

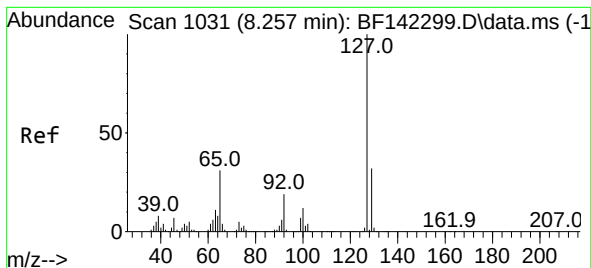
Ion Ratio Lower Upper

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# 1031

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

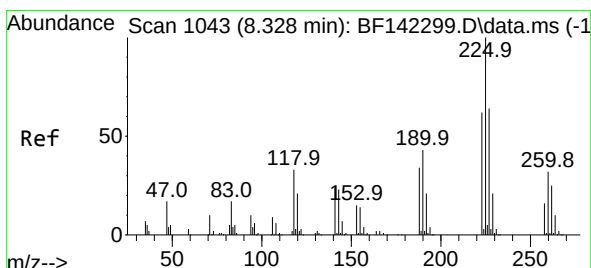
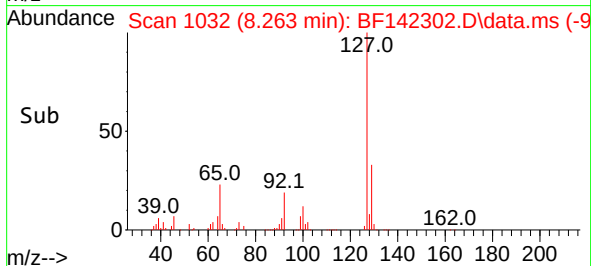
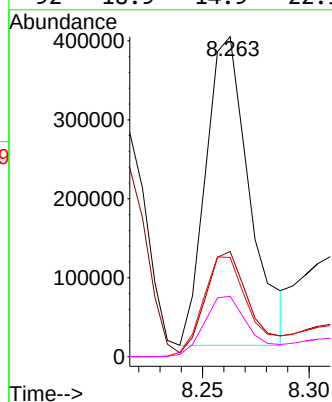
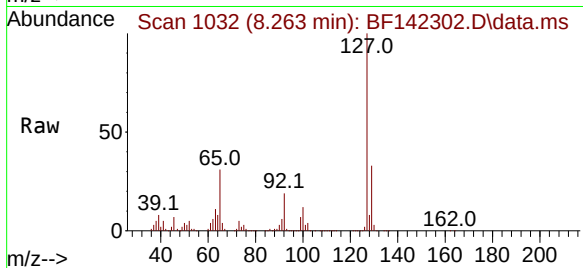
Ion Ratio Lower Upper

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

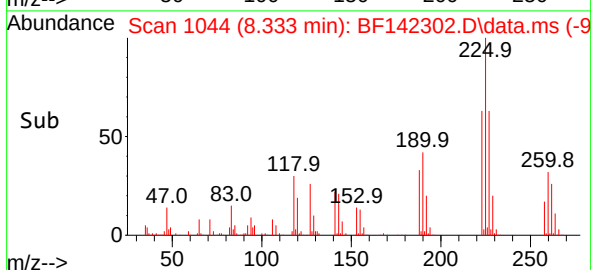
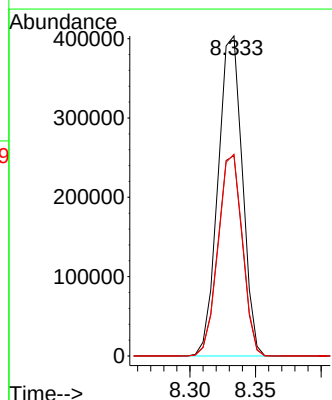
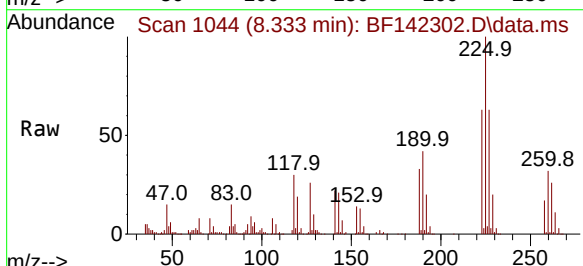
Tgt Ion:225 Resp: 520499

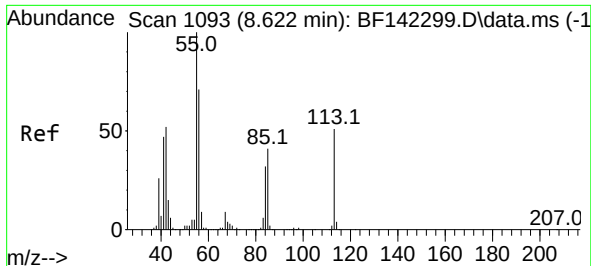
Ion Ratio Lower Upper

225 100

223 62.6 49.8 74.6

227 63.0 50.9 76.3

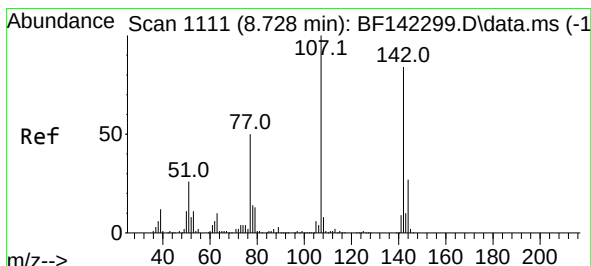
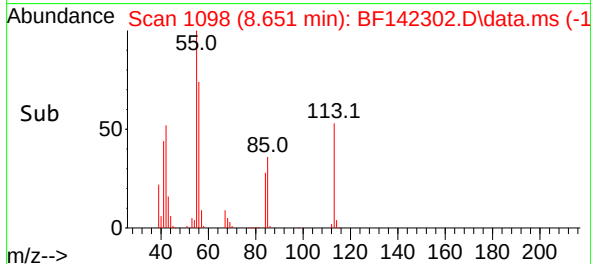
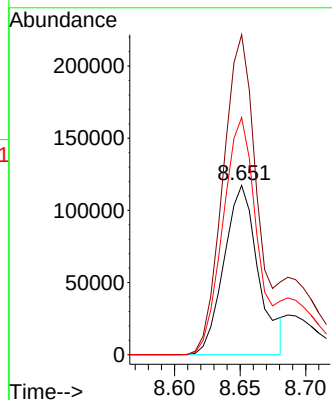
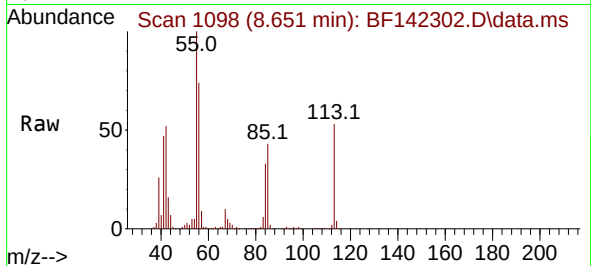




#35
 Caprolactam
 Concen: 69.013 ng
 RT: 8.651 min Scan# 1109
 Delta R.T. 0.029 min
 Lab File: BF142302.D
 Acq: 05 May 2025 17:15

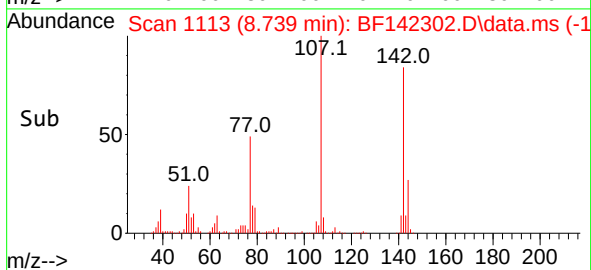
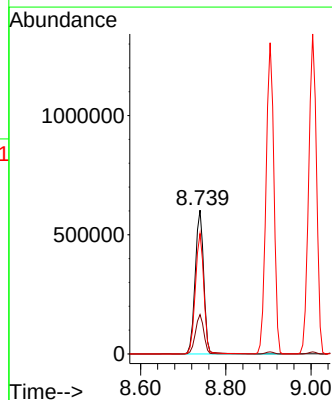
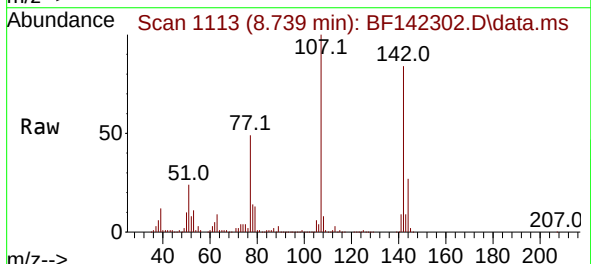
Instrument :
 BNA_F
 ClientSampleId :
 SSTDICC080

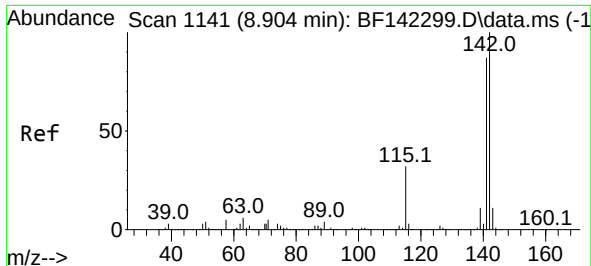
Tgt Ion:113 Resp: 213853
 Ion Ratio Lower Upper
 113 100
 55 189.0 176.4 216.4
 56 140.1 120.3 160.3



#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

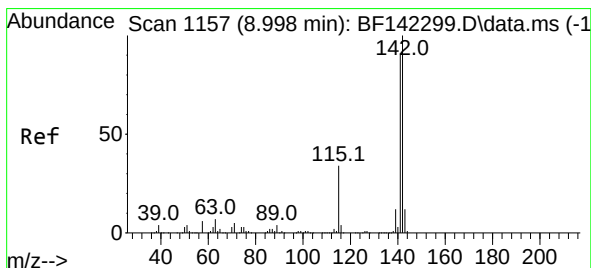
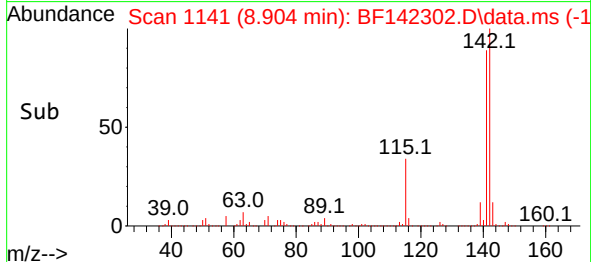
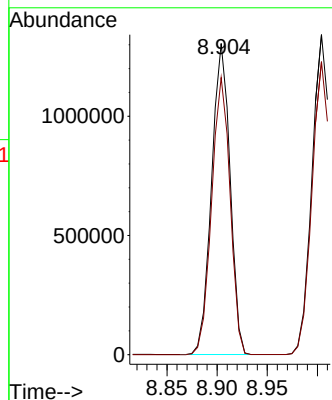
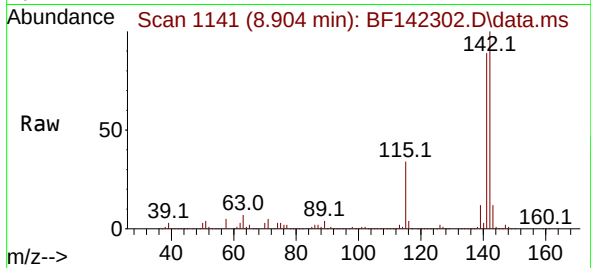




#37
2-Methylnaphthalene
Concen: 69.220 ng
RT: 8.904 min Scan# 1141
Delta R.T. -0.000 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

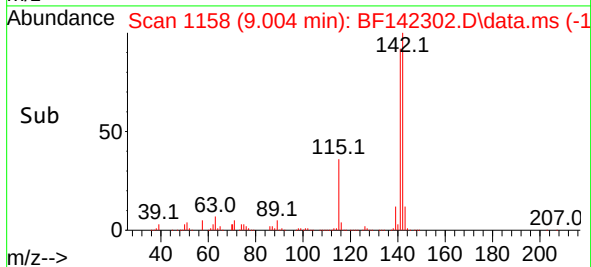
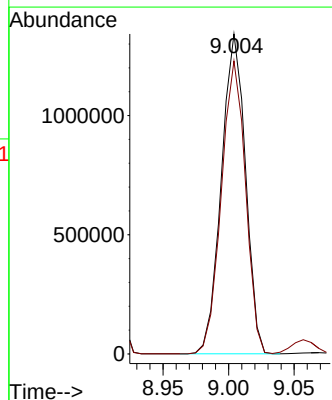
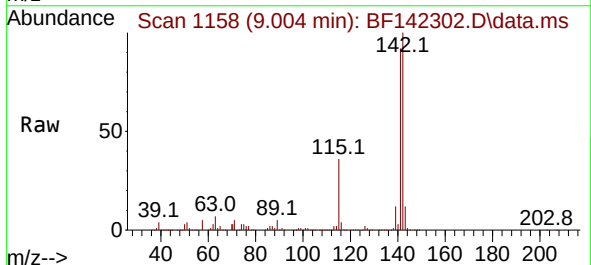
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

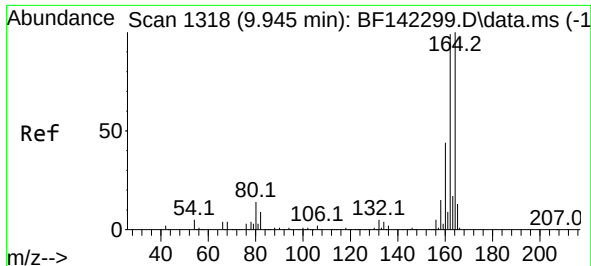
Tgt Ion:142 Resp: 1669985
Ion Ratio Lower Upper
142 100
141 89.1 69.4 104.2



#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

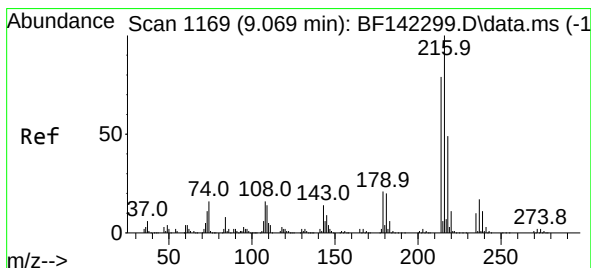
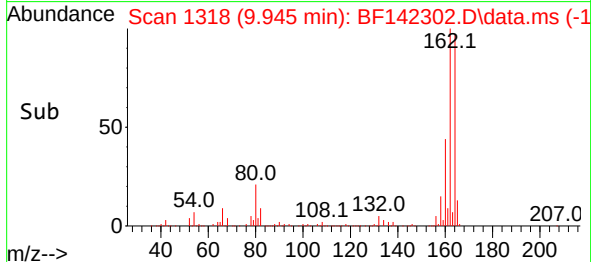
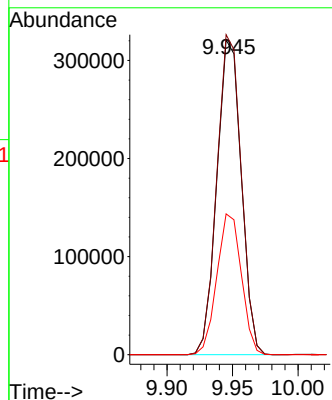
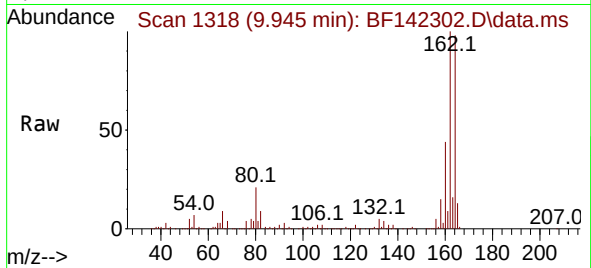




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.945 min Scan# 1118
Delta R.T. 0.000 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

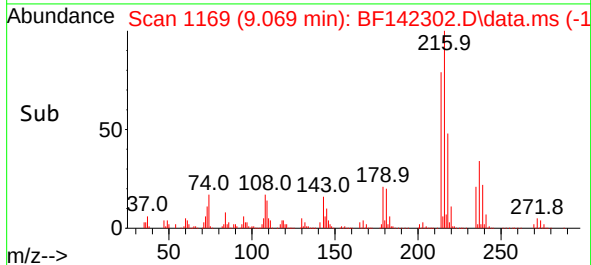
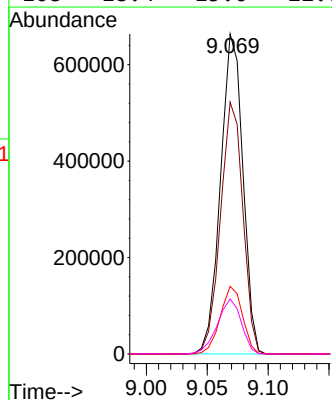
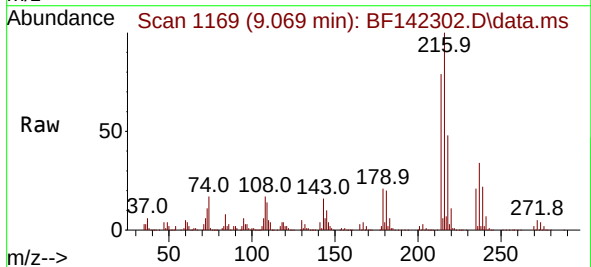
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

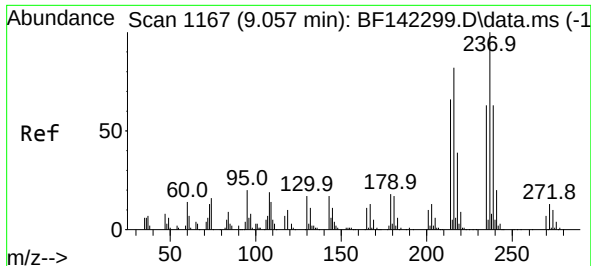
Tgt Ion:164 Resp: 414811
Ion Ratio Lower Upper
164 100
162 101.7 79.2 118.8
160 44.7 35.3 52.9



#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

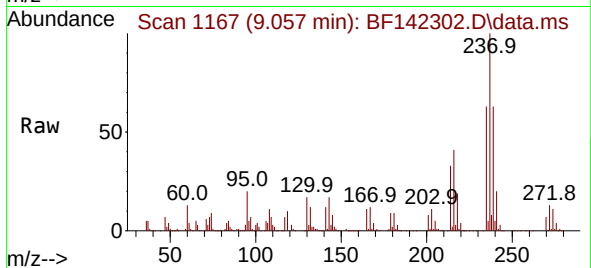
Tgt Ion:216 Resp: 849773
Ion Ratio Lower Upper
216 100
214 78.7 63.8 95.6
179 21.0 17.0 25.6
108 18.4 15.0 22.6



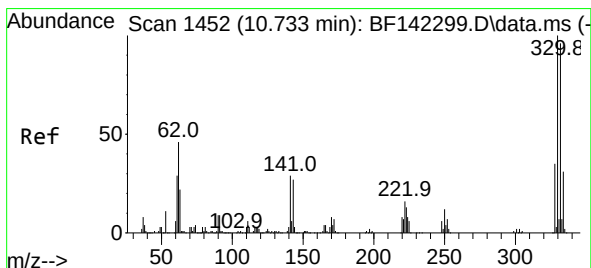
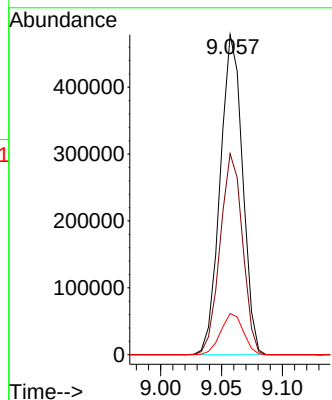
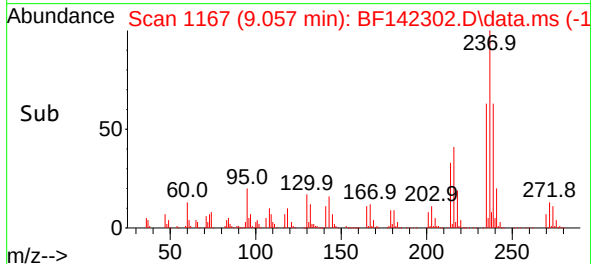


#41
Hexachlorocyclopentadiene
Concen: 85.560 ng
RT: 9.057 min Scan# 1167
Delta R.T. -0.000 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

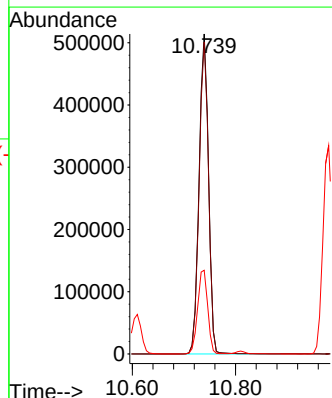
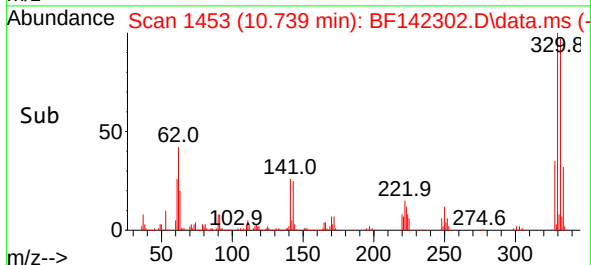
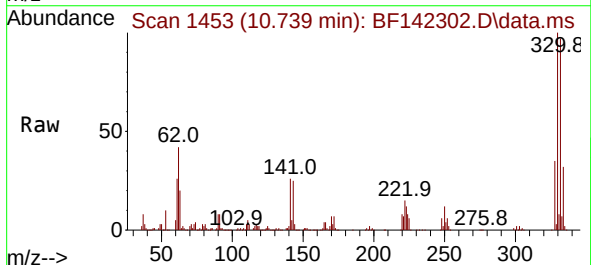


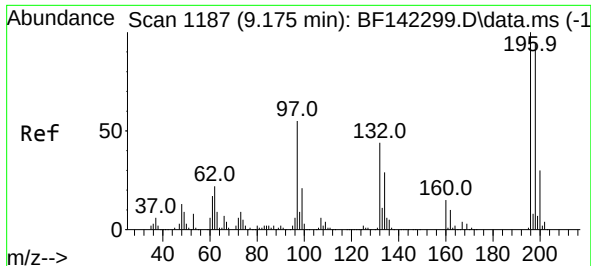
Tgt Ion:237 Resp: 612608
Ion Ratio Lower Upper
237 100
235 62.8 42.8 82.8
272 12.8 0.0 33.0



#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# 1187

Delta R.T. 0.006 min

Lab File: BF142302.D

Acq: 05 May 2025 17:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

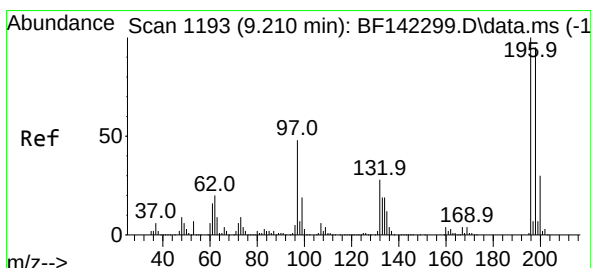
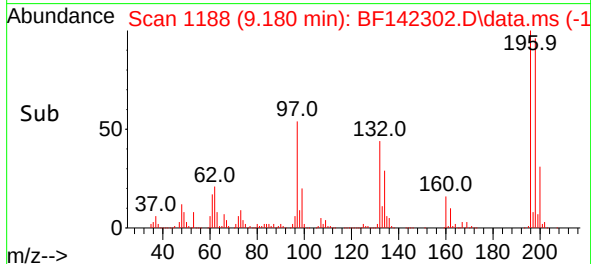
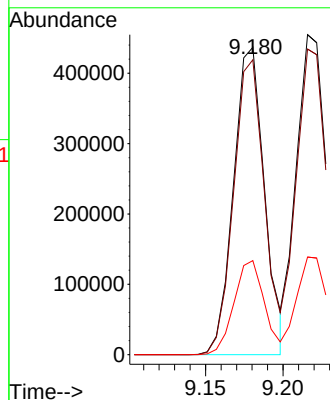
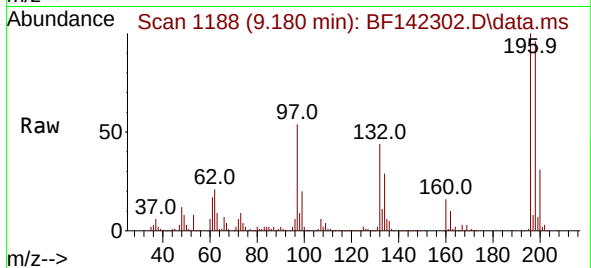
Tgt Ion:196 Resp: 605787

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

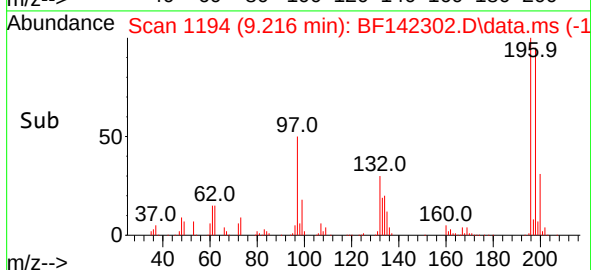
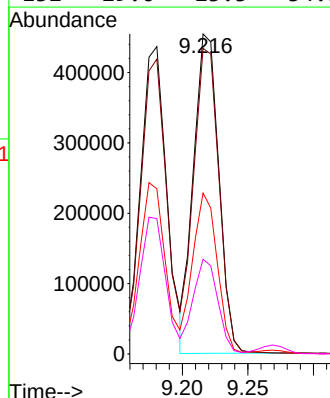
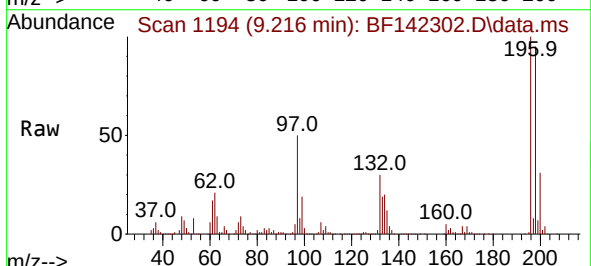
Ion Ratio Lower Upper

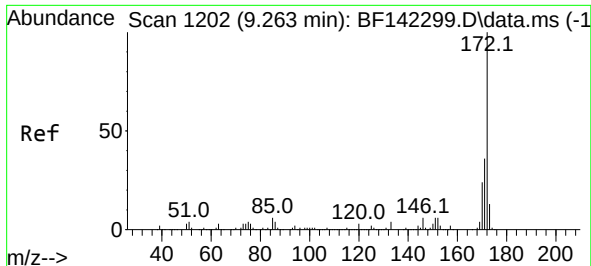
196 100

198 95.5 76.1 114.1

97 50.3 39.0 58.4

132 29.6 23.3 34.9

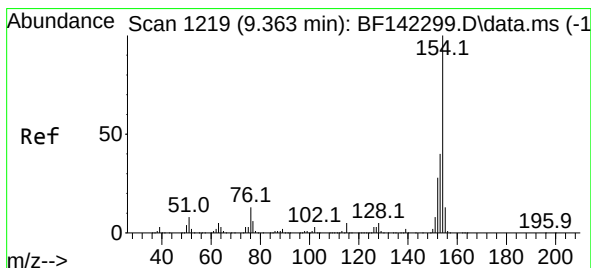
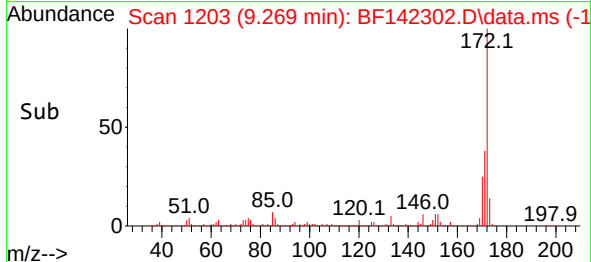
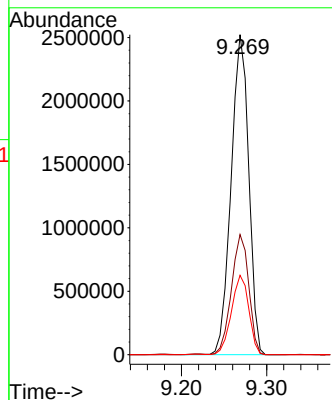
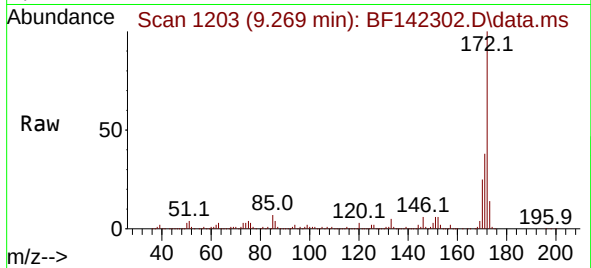




#45
2-Fluorobiphenyl
Concen: 124.337 ng
RT: 9.269 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

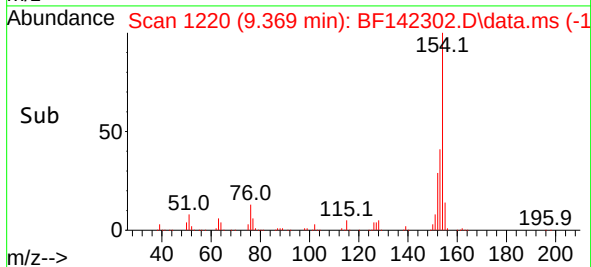
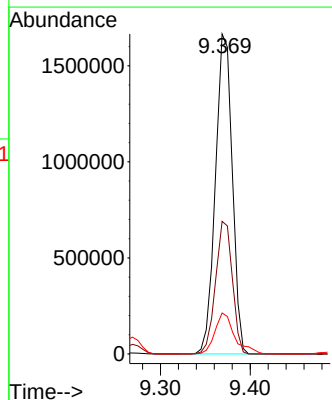
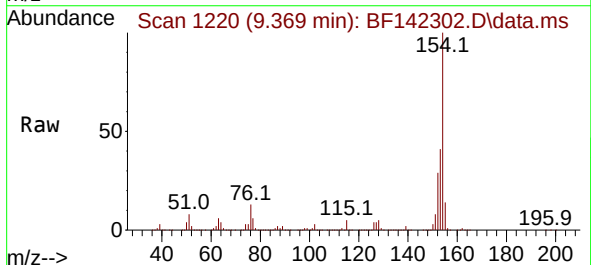
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

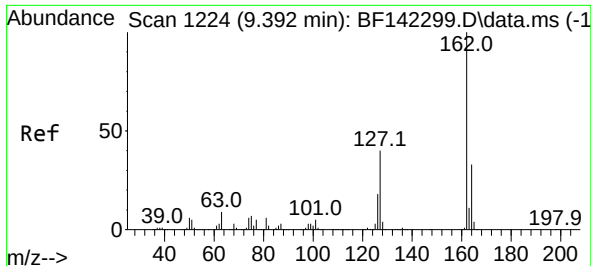
Tgt Ion:172 Resp: 3617174
Ion Ratio Lower Upper
172 100
171 37.6 28.6 42.8
170 24.8 19.0 28.4



#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# 11

Delta R.T. 0.006 min

Lab File: BF142302.D

Acq: 05 May 2025 17:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

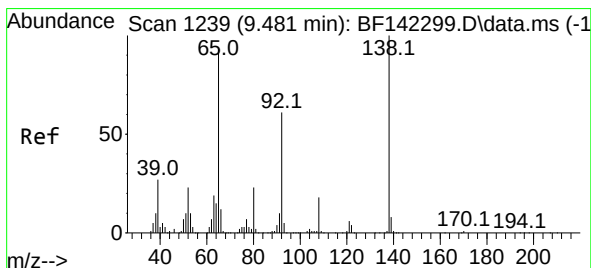
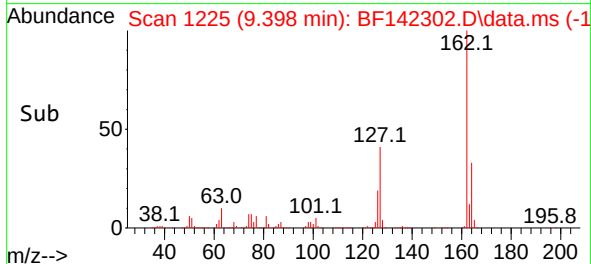
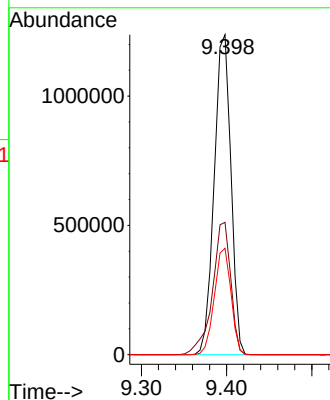
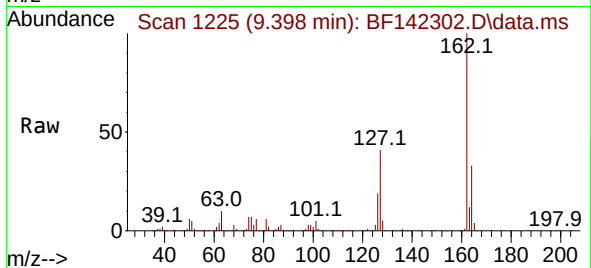
Tgt Ion:162 Resp: 1688751

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

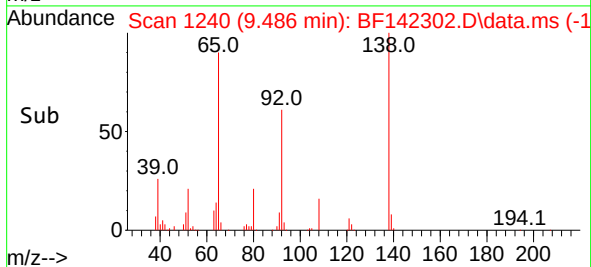
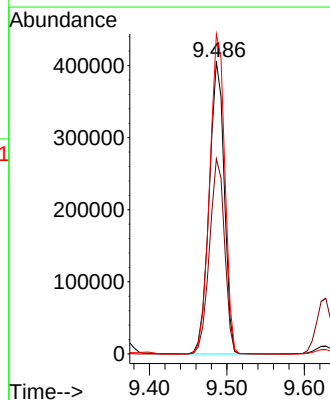
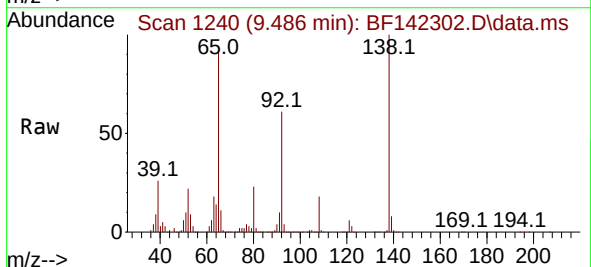
Tgt Ion: 65 Resp: 547789

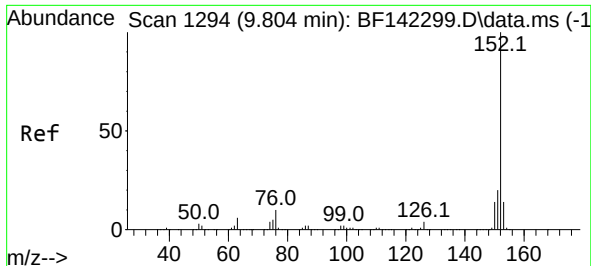
Ion Ratio Lower Upper

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# 11

Delta R.T. 0.006 min

Lab File: BF142302.D

Acq: 05 May 2025 17:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

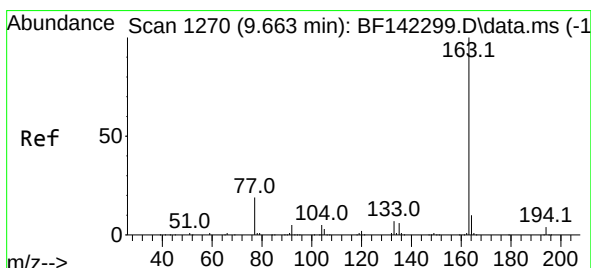
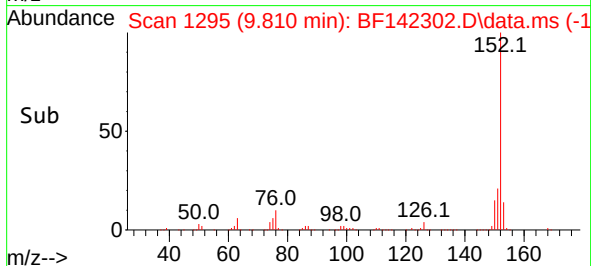
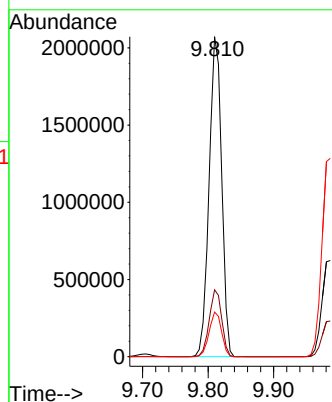
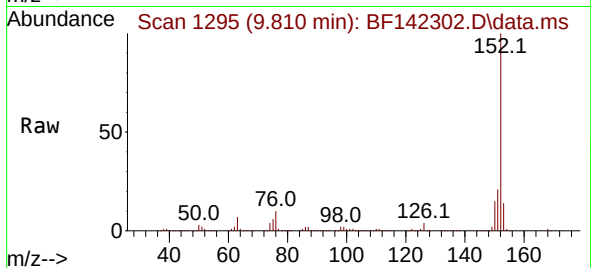
Tgt Ion:152 Resp: 2763028

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

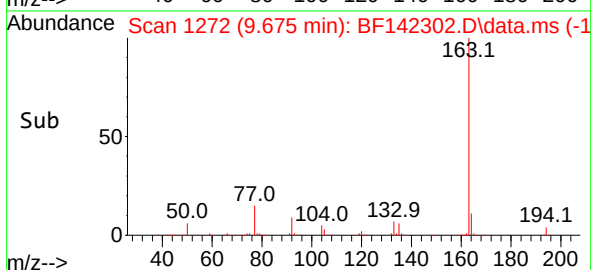
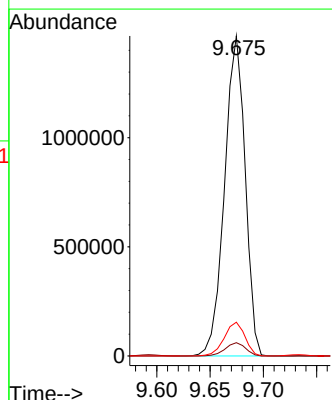
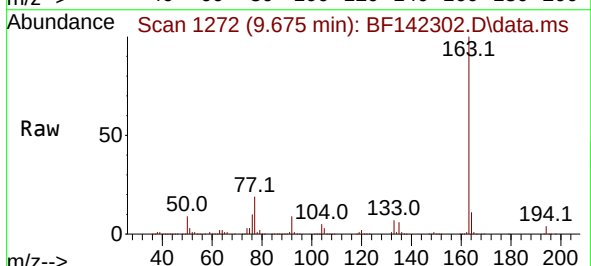
Tgt Ion:163 Resp: 1968431

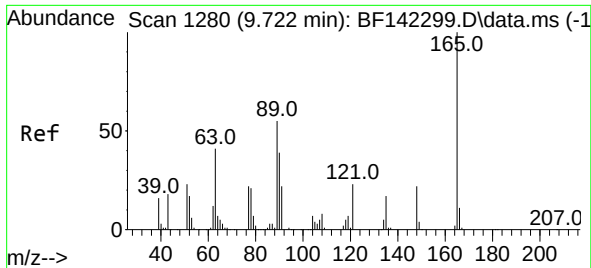
Ion Ratio Lower Upper

163 100

194 4.2 3.2 4.8

164 10.6 8.3 12.5

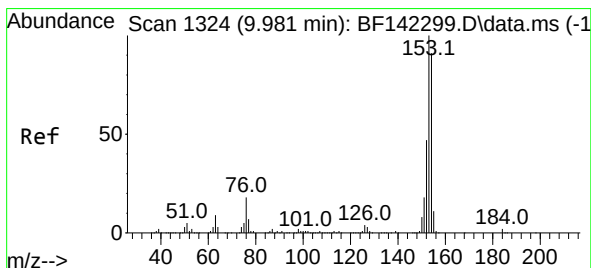
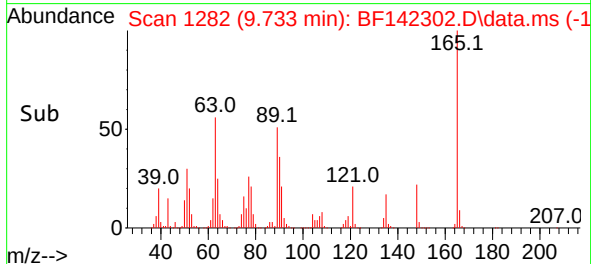
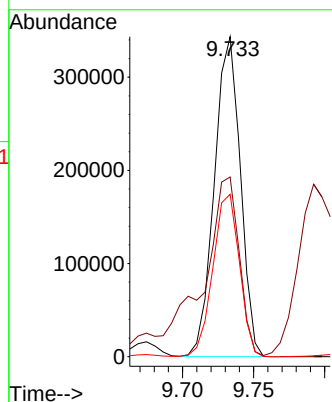
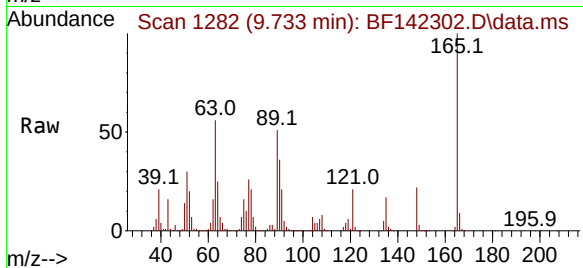




#51
2,6-Dinitrotoluene
Concen: 87.669 ng
RT: 9.733 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

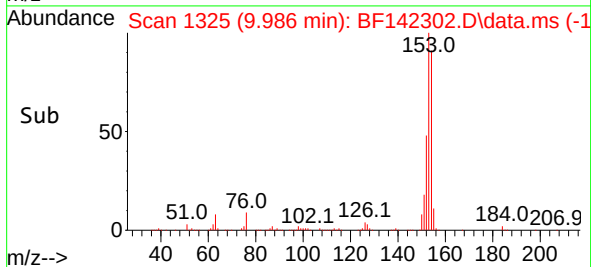
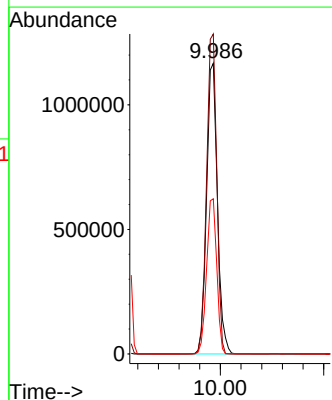
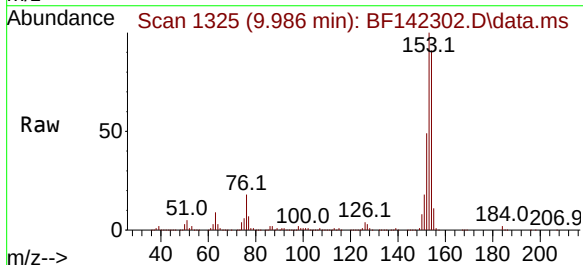
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

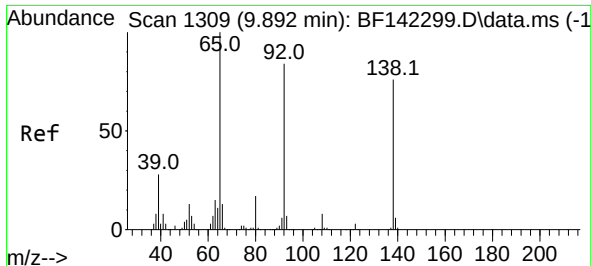
Tgt Ion:165 Resp: 437098
Ion Ratio Lower Upper
165 100
63 56.2 49.5 74.3
89 50.7 44.6 66.8



#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

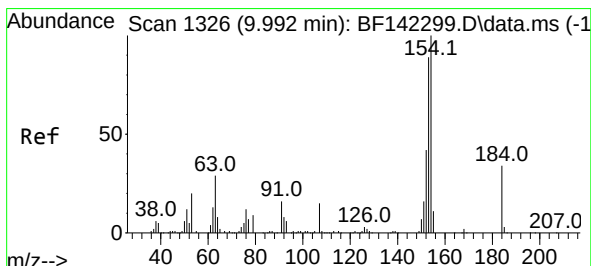
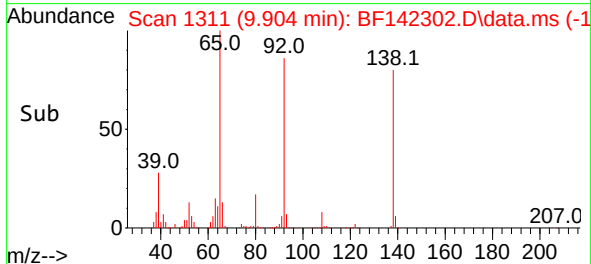
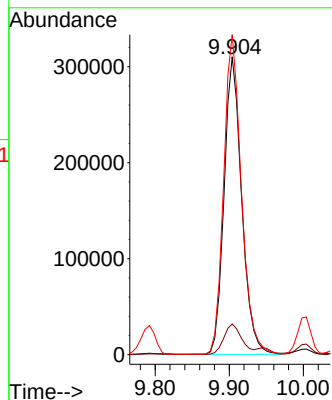
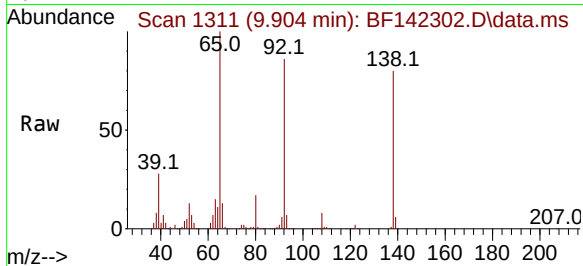




#53
3-Nitroaniline
Concen: 87.244 ng
RT: 9.904 min Scan# 11
Delta R.T. 0.012 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

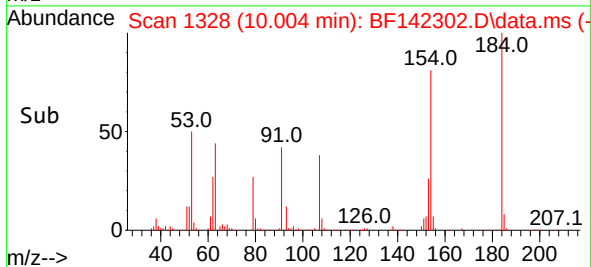
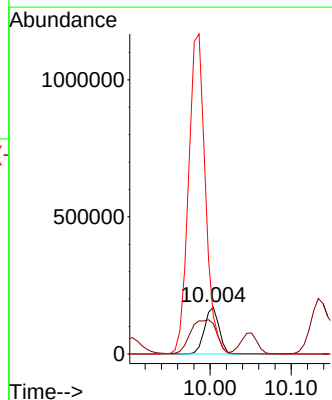
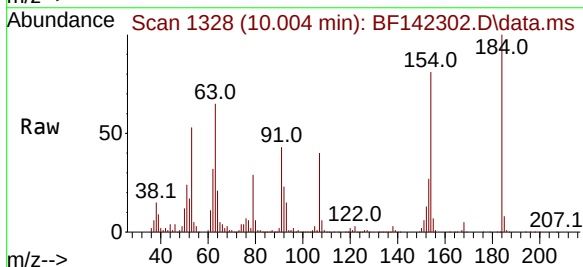
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

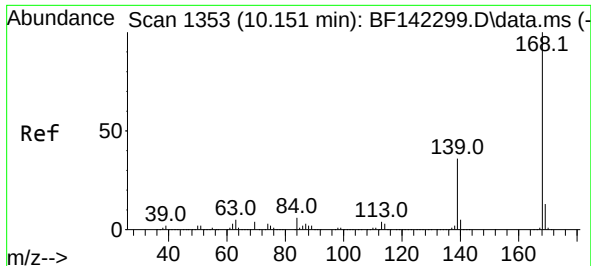
Tgt Ion:138 Resp: 510152
Ion Ratio Lower Upper
138 100
108 10.3 8.7 13.1
92 107.4 89.5 134.3



#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#

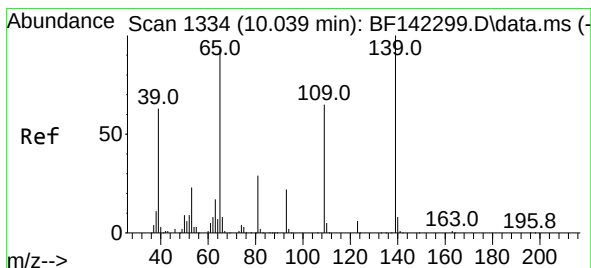
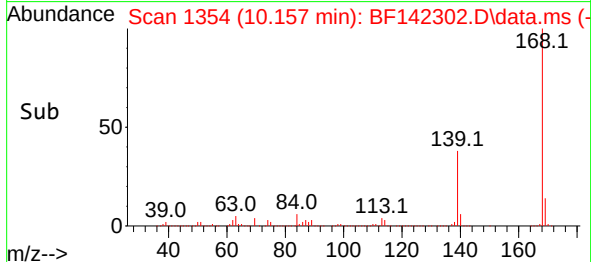
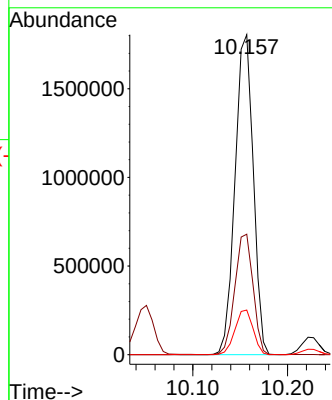
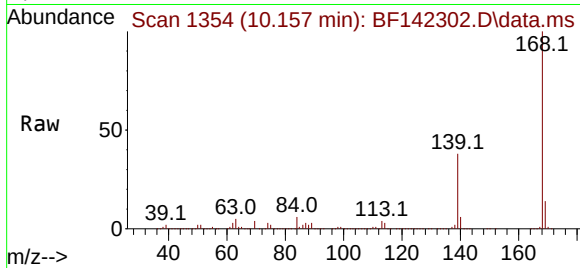




#55
Dibenzofuran
Concen: 68.642 ng
RT: 10.157 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

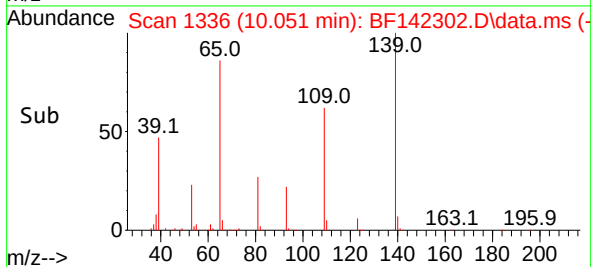
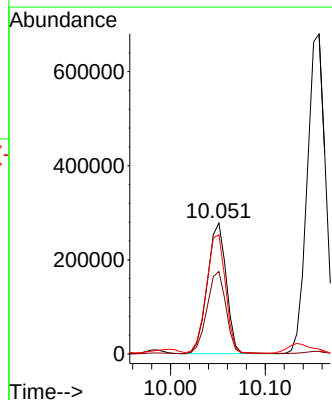
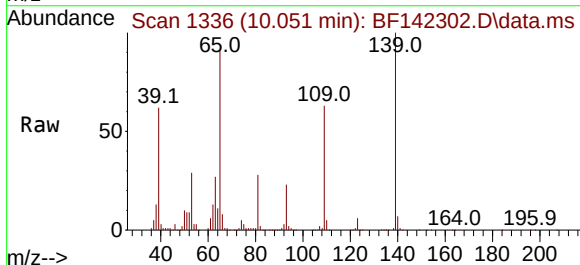
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

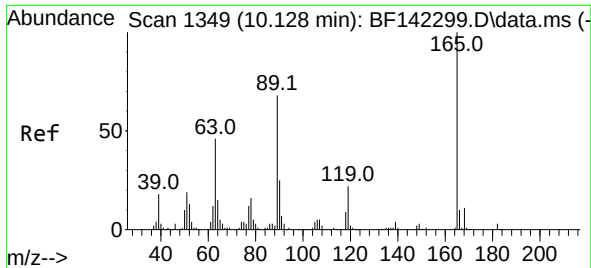
Tgt Ion:168 Resp: 2410169
Ion Ratio Lower Upper
168 100
139 37.7 29.0 43.4
169 13.9 10.7 16.1



#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

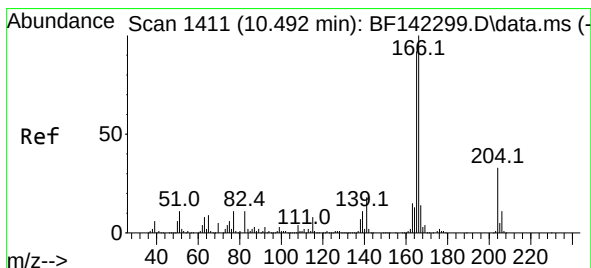
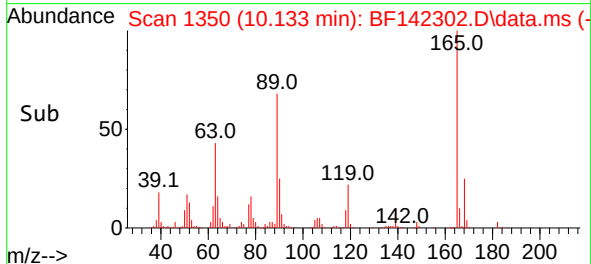
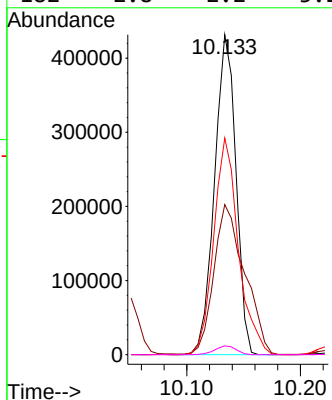
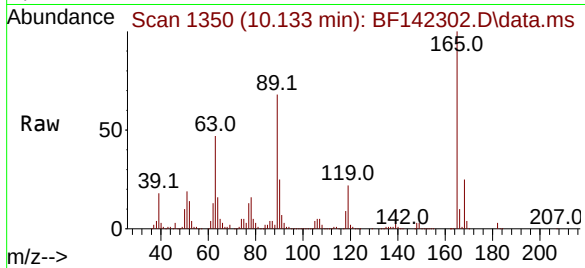




#57
2,4-Dinitrotoluene
Concen: 88.591 ng
RT: 10.133 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

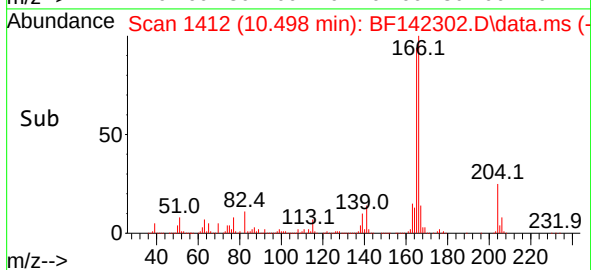
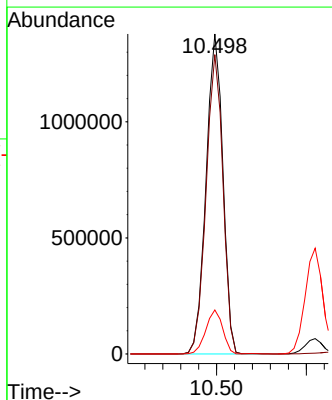
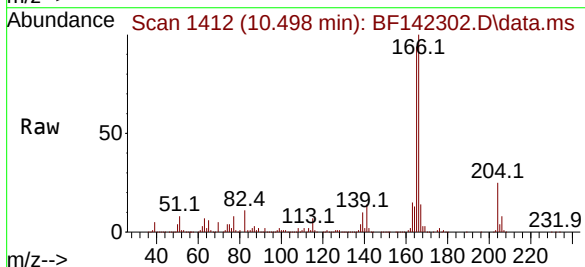
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

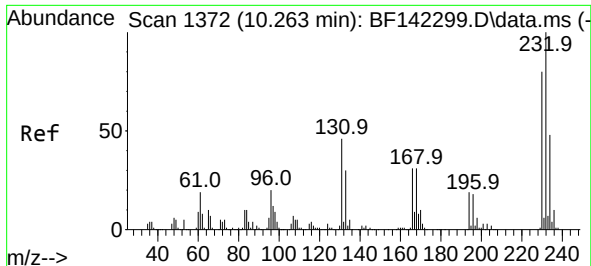
Tgt Ion:165 Resp: 566575
Ion Ratio Lower Upper
165 100
63 46.9 37.1 55.7
89 67.7 54.4 81.6
182 2.8 2.2 3.2



#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

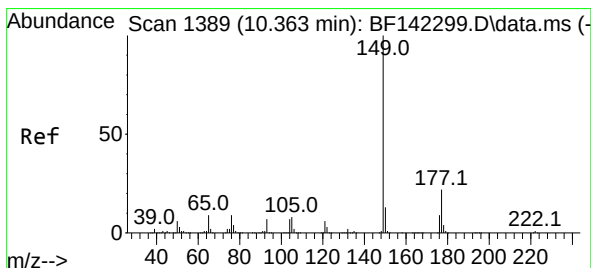
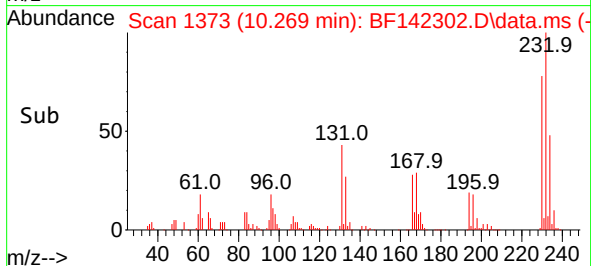
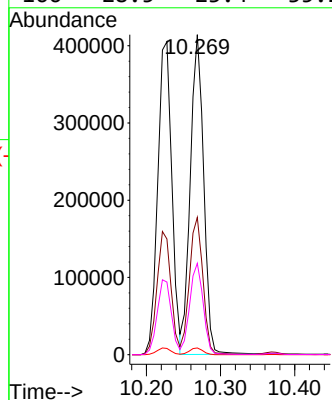
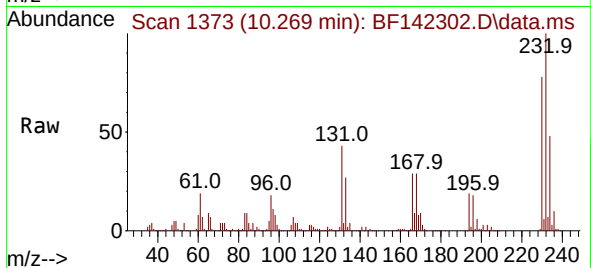




#59
2,3,4,6-Tetrachlorophenol
Concen: 81.113 ng
RT: 10.269 min Scan# 1372
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

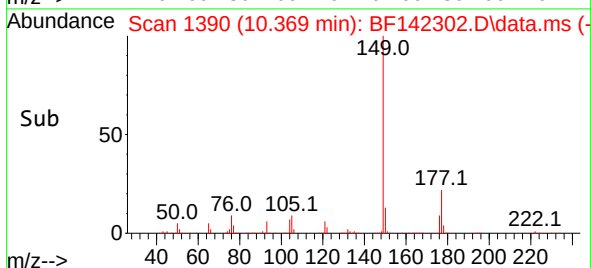
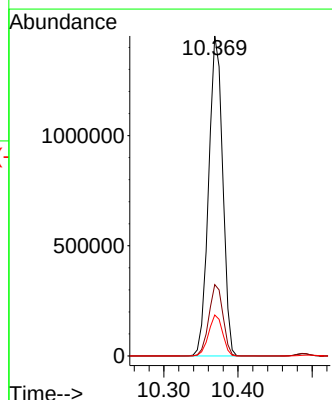
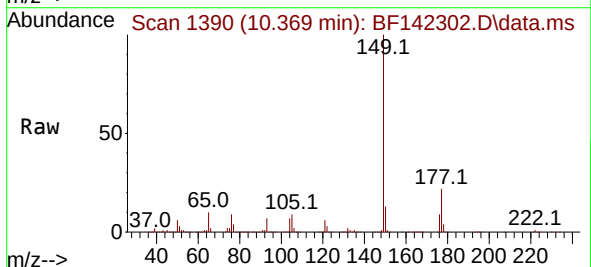
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

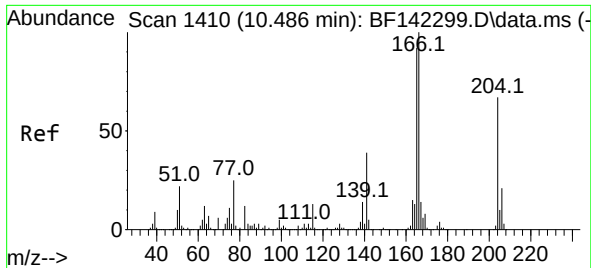
Tgt Ion:232 Resp: 520638
Ion Ratio Lower Upper
232 100
131 43.0 36.0 54.0
130 2.1 1.8 2.6
166 28.5 23.4 35.2



#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

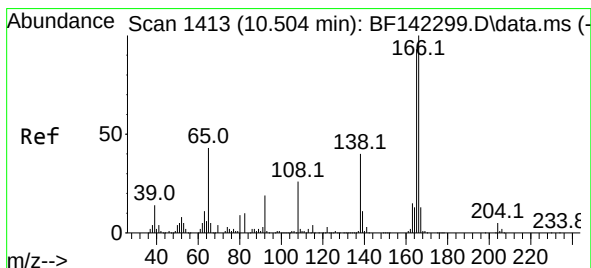
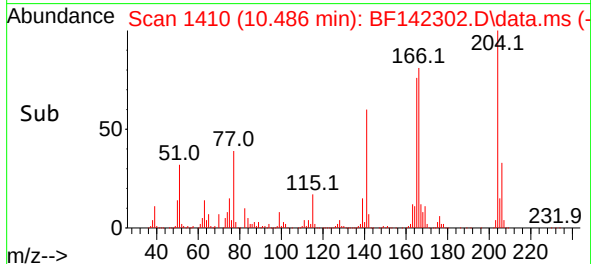
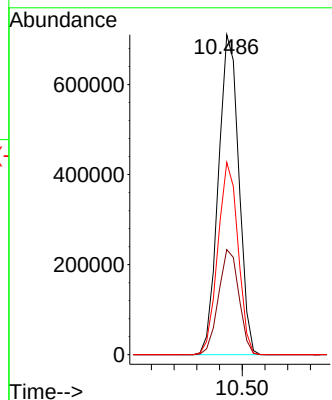
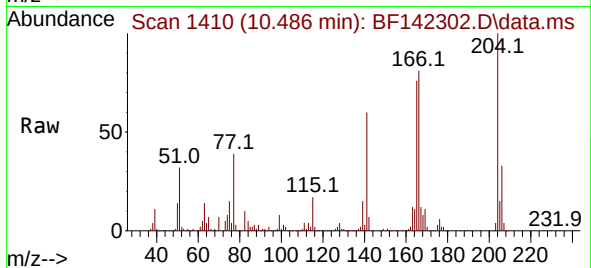




#61
4-Chlorophenyl-phenylether
Concen: 68.707 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.000 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

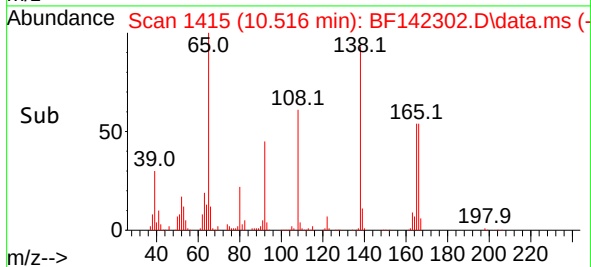
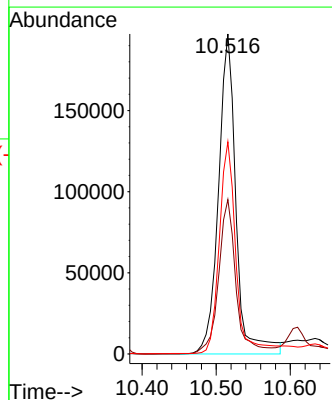
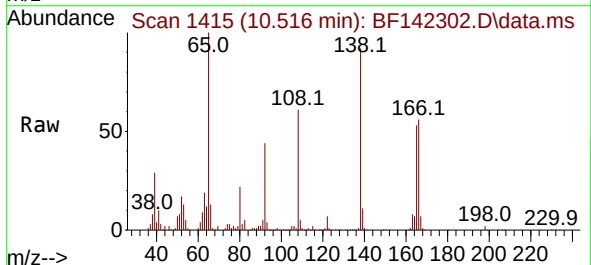
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

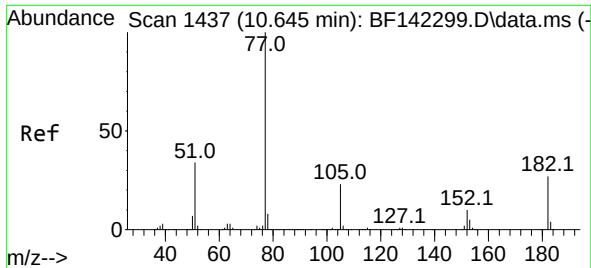
Tgt Ion:204 Resp: 888242
Ion Ratio Lower Upper
204 100
206 32.9 25.5 38.3
141 60.1 46.4 69.6



#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



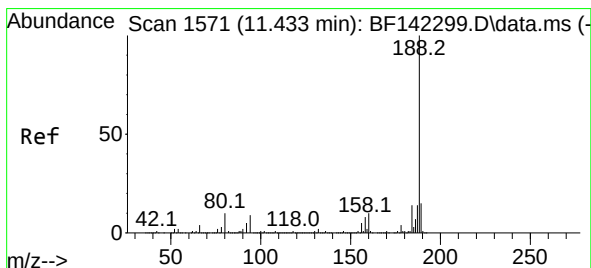
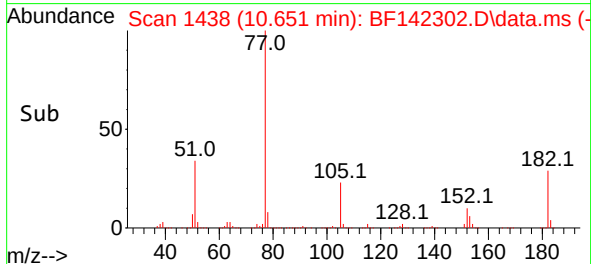
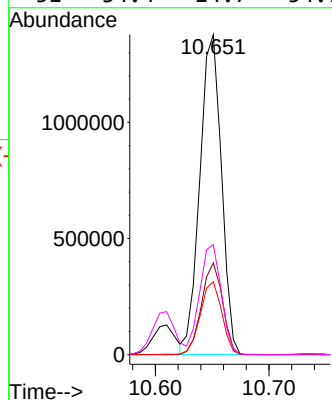
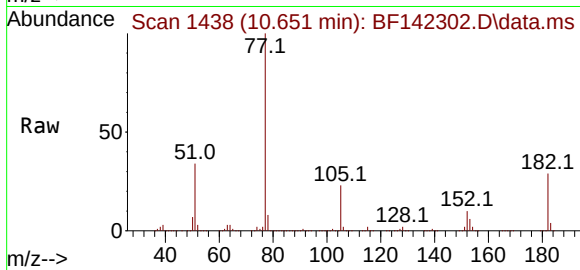


#63
Azobenzene
Concen: 71.660 ng
RT: 10.651 min Scan# 1438
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion: 77 Resp: 1821504

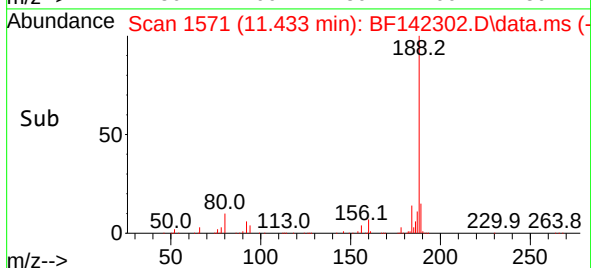
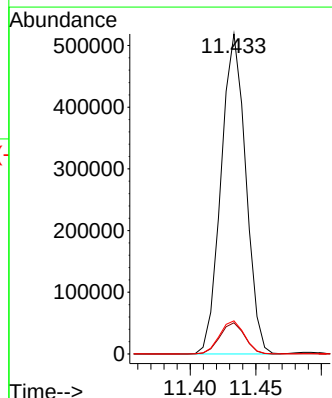
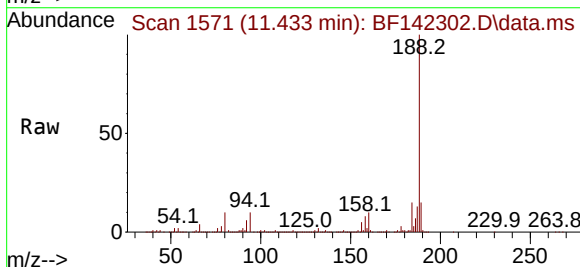
Ion	Ratio	Lower	Upper
77	100		
182	28.6	6.9	46.9
105	22.8	2.7	42.7
51	34.4	14.7	54.7

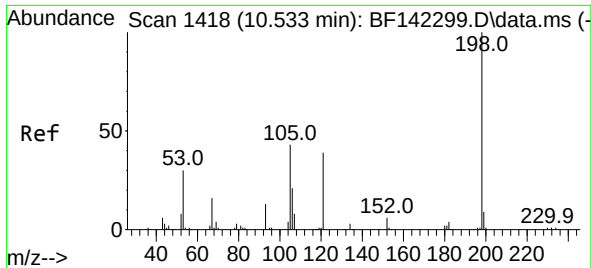


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.433 min Scan# 1571
Delta R.T. -0.000 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

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

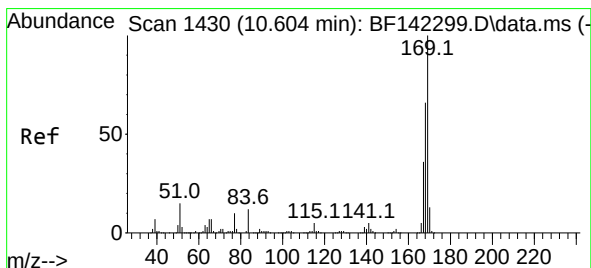
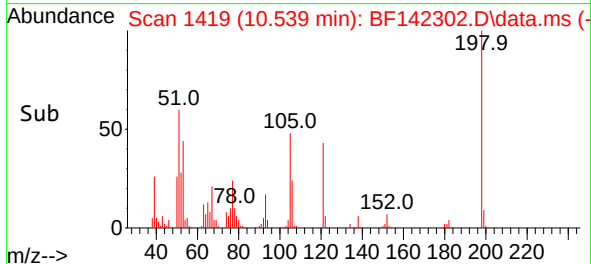
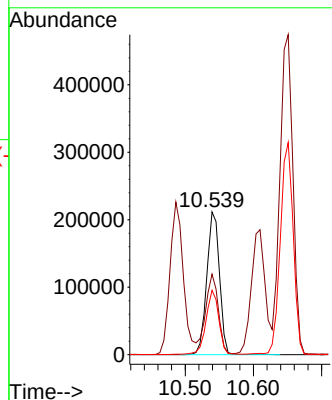
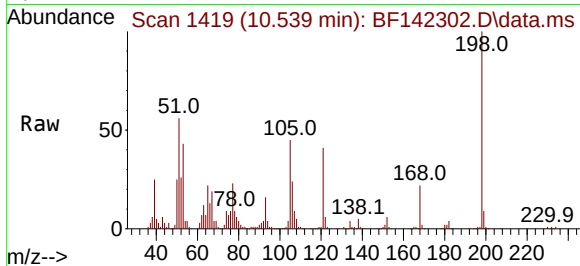




#65
4,6-Dinitro-2-methylphenol
Concen: 80.746 ng
RT: 10.539 min Scan# 1418
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

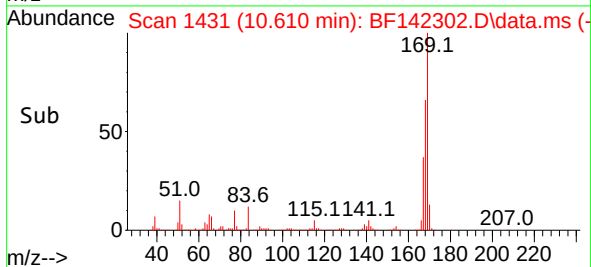
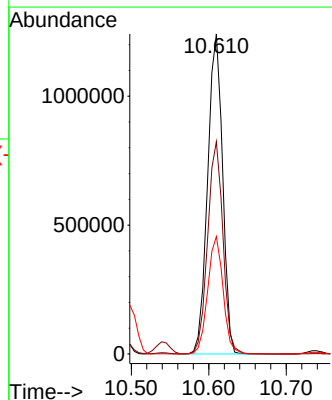
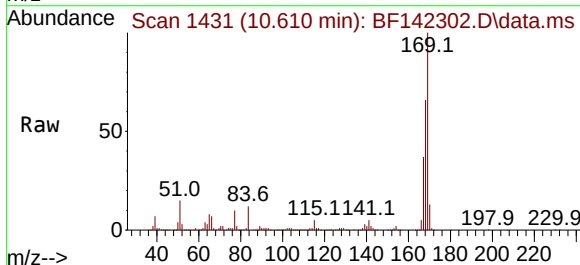
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

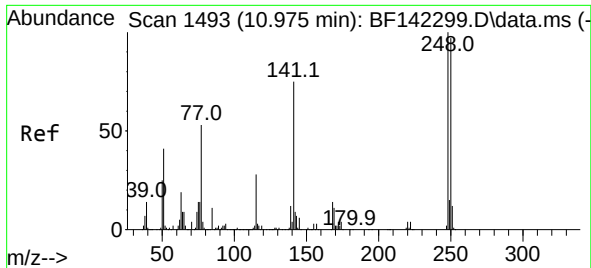
Tgt Ion:198 Resp: 273917
Ion Ratio Lower Upper
198 100
51 56.4 32.9 72.9
105 45.1 23.7 63.7



#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

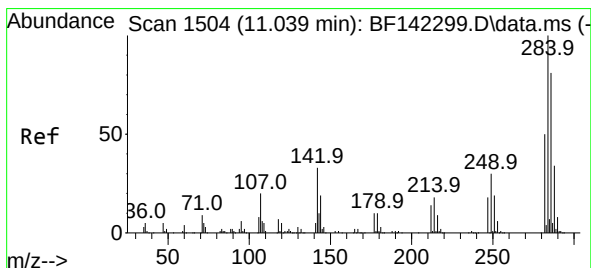
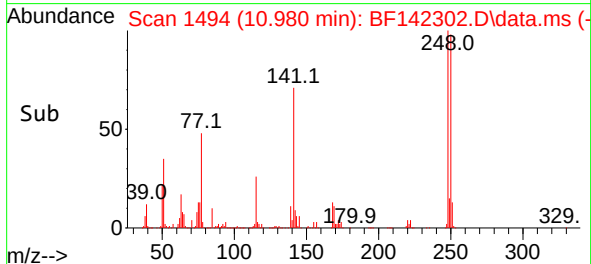
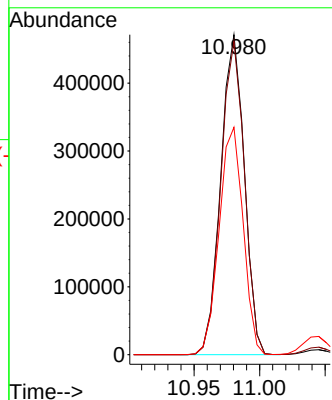
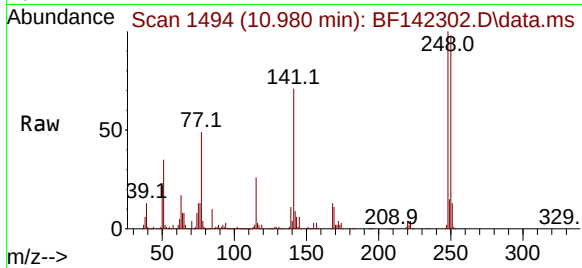




#67
4-Bromophenyl-phenylether
Concen: 76.716 ng
RT: 10.980 min Scan# 1494
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

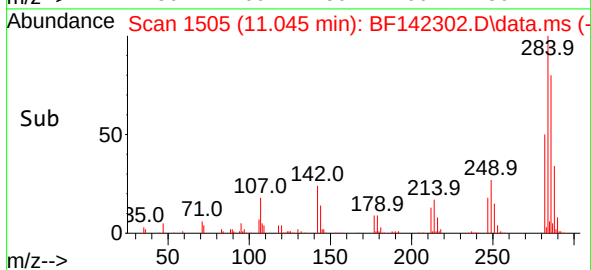
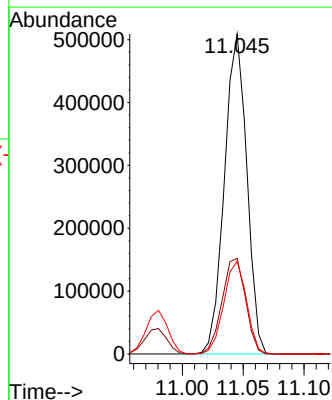
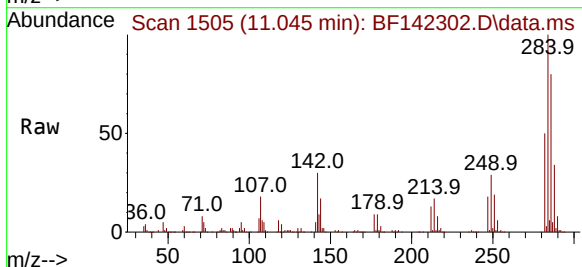
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

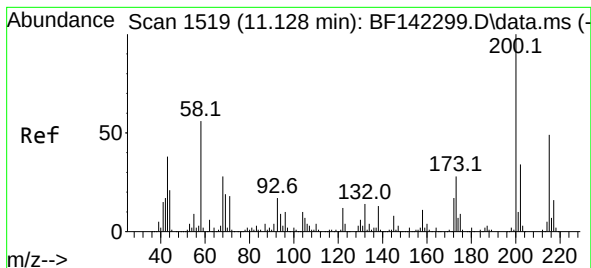
Tgt Ion:248 Resp: 590568
Ion Ratio Lower Upper
248 100
250 97.9 77.9 116.9
141 71.0 59.8 89.8



#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# 11

Delta R.T. 0.006 min

Lab File: BF142302.D

Acq: 05 May 2025 17:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

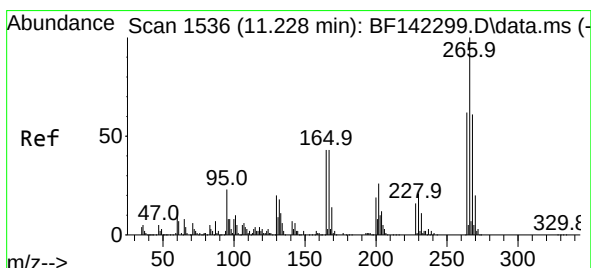
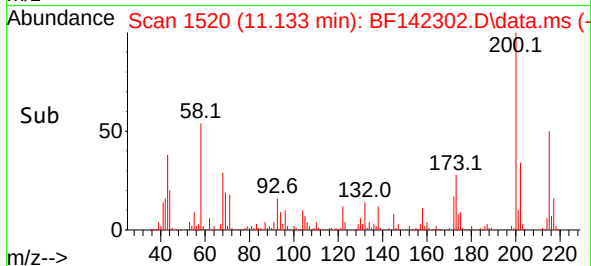
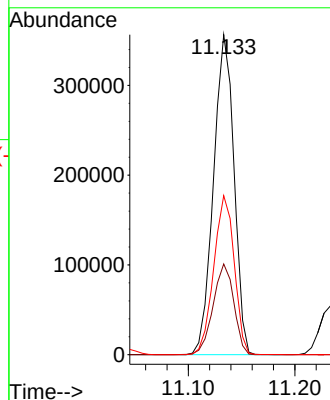
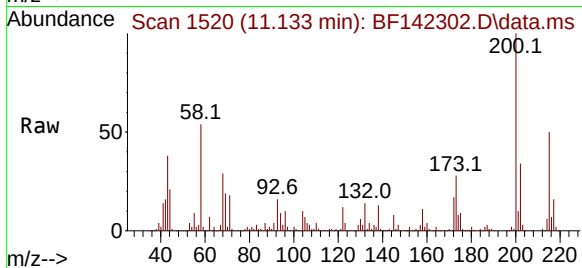
Tgt Ion:200 Resp: 476112

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

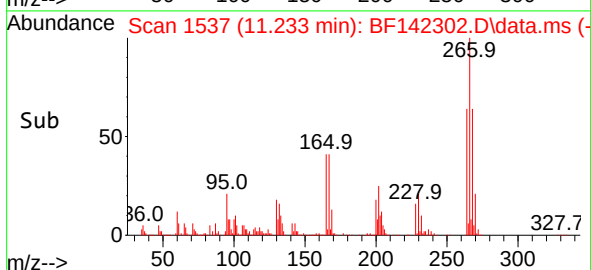
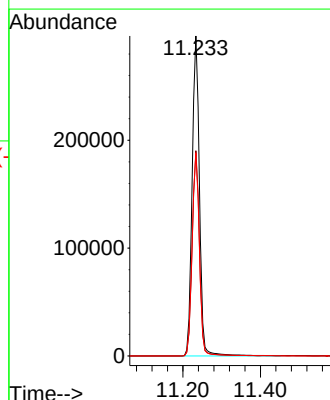
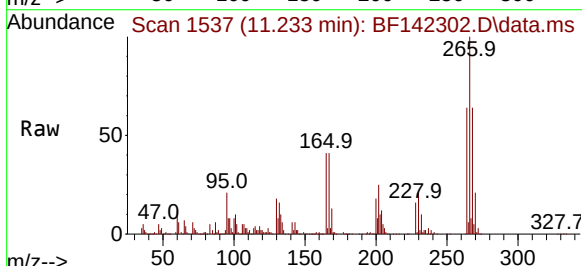
Tgt Ion:266 Resp: 390517

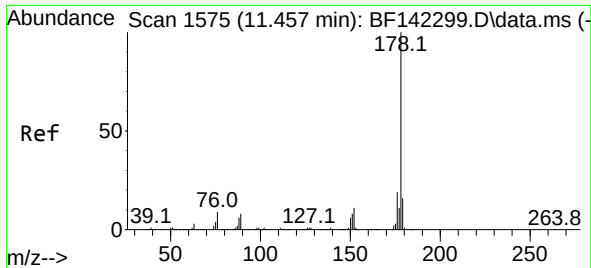
Ion Ratio Lower Upper

266 100

268 64.2 48.7 73.1

264 63.5 49.8 74.6

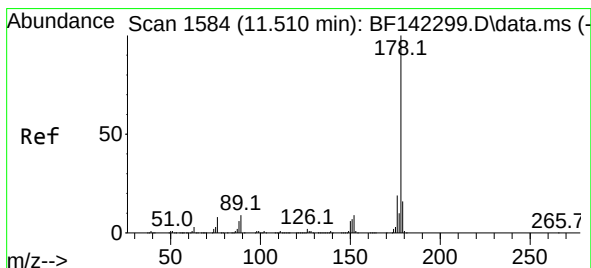
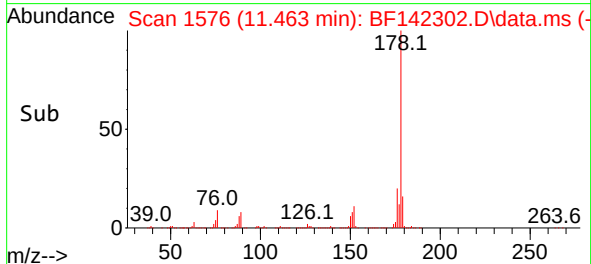
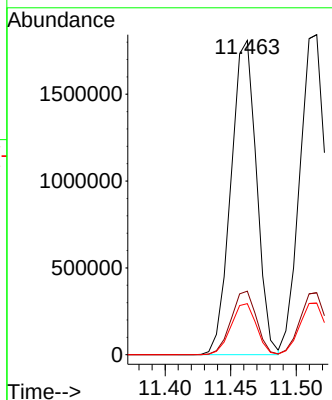
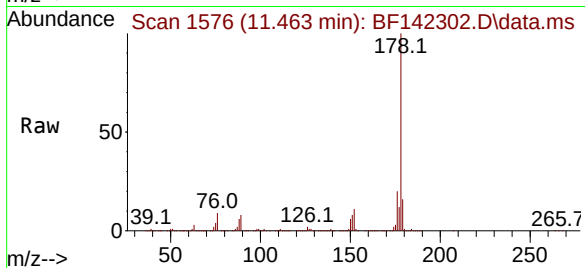




#71
Phenanthrene
Concen: 69.101 ng
RT: 11.463 min Scan# 11463
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

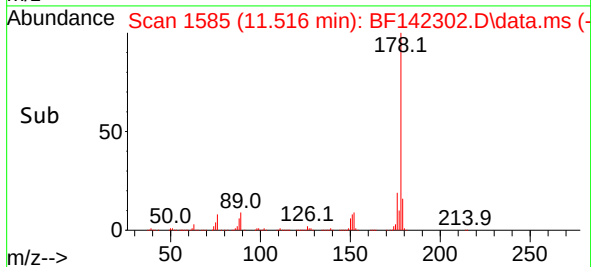
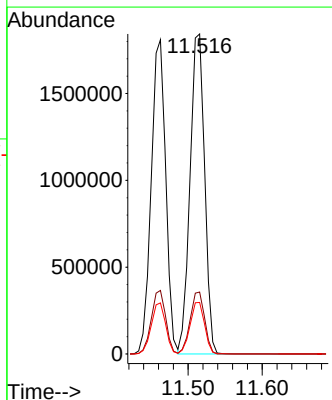
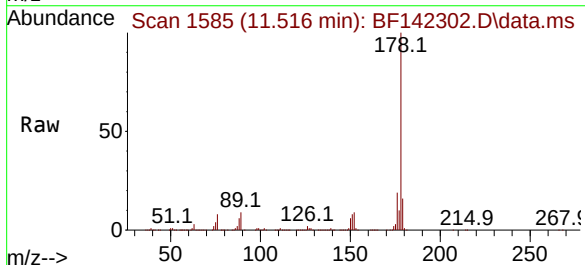
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

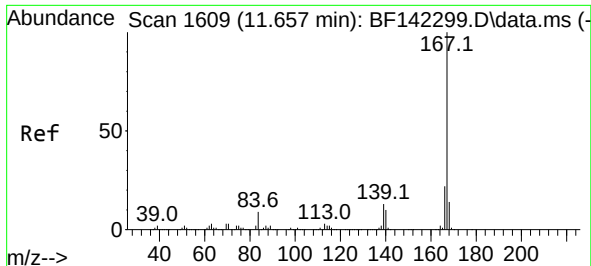
Tgt Ion:178 Resp: 2460275
Ion Ratio Lower Upper
178 100
176 20.2 15.5 23.3
179 16.2 12.6 18.8



#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

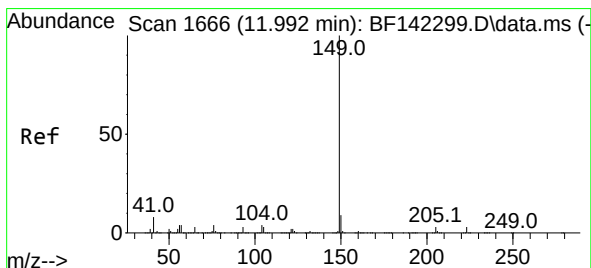
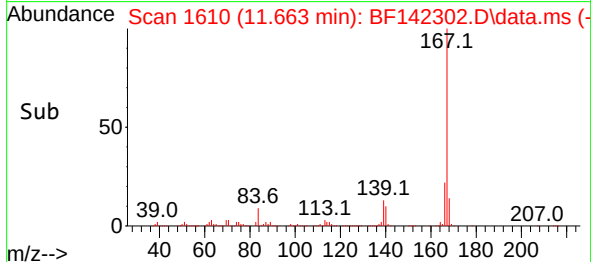
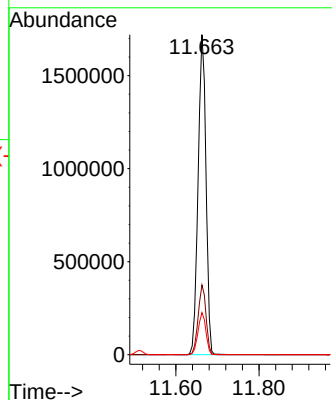
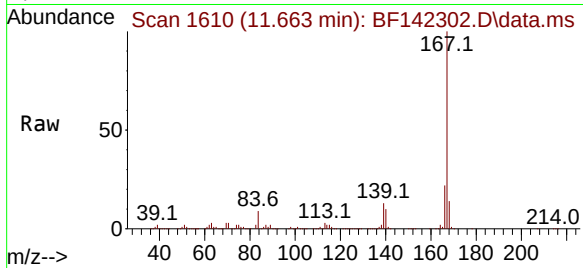




#73
Carbazole
Concen: 69.290 ng
RT: 11.663 min Scan# 1610
Delta R.T. 0.006 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

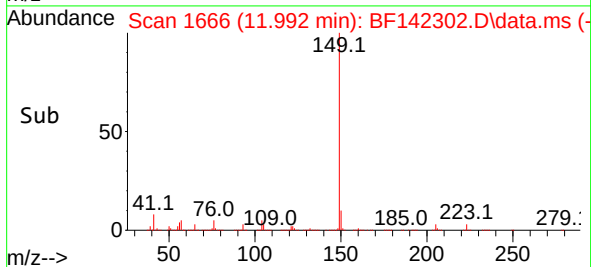
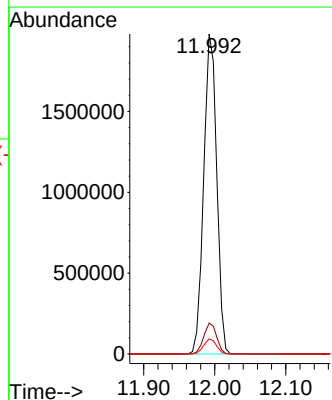
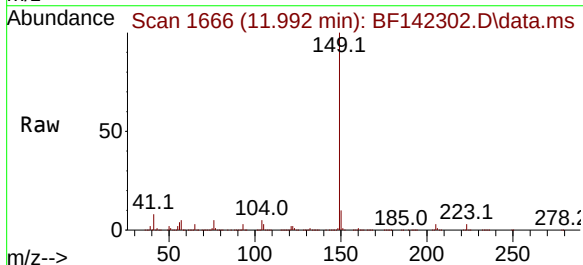
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

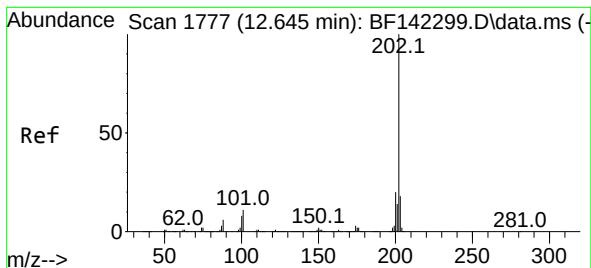
Tgt Ion:167 Resp: 2274167
Ion Ratio Lower Upper
167 100
166 21.8 17.2 25.8
139 13.2 10.3 15.5



#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

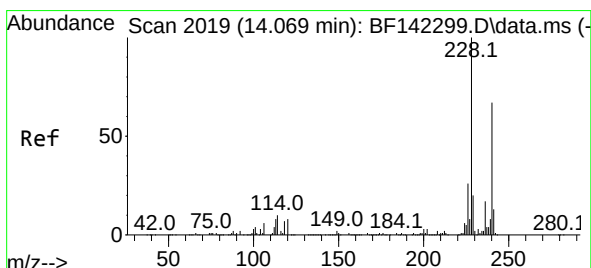
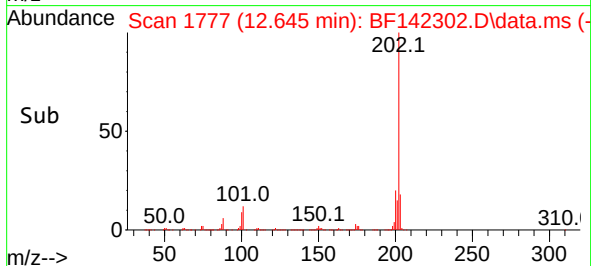
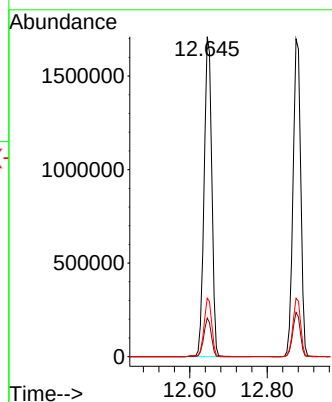
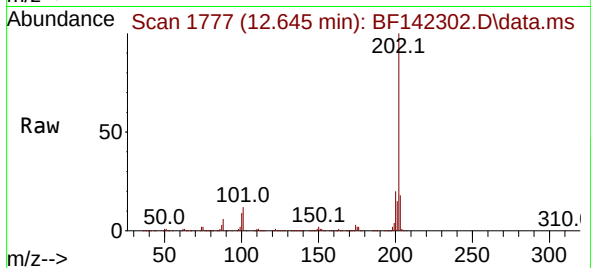
Tgt Ion:202 Resp: 2345160

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

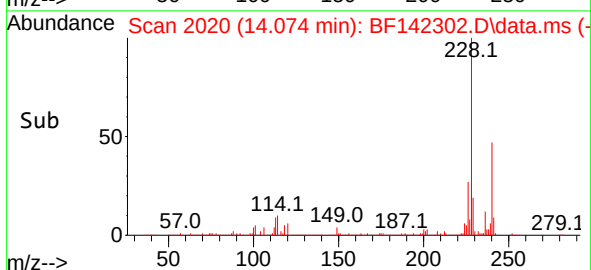
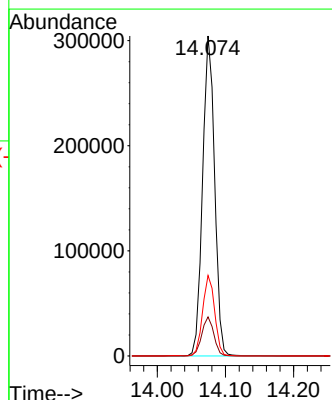
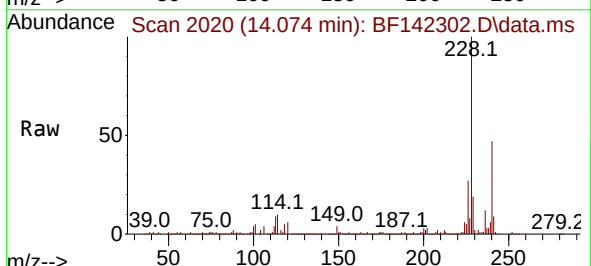
Tgt Ion:240 Resp: 373928

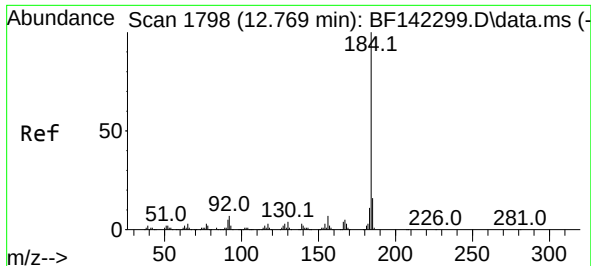
Ion Ratio Lower Upper

240 100

120 12.2 9.7 14.5

236 25.2 20.0 30.0

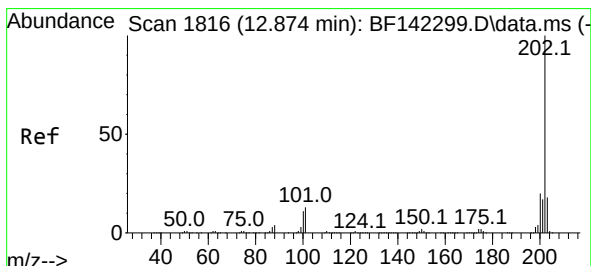
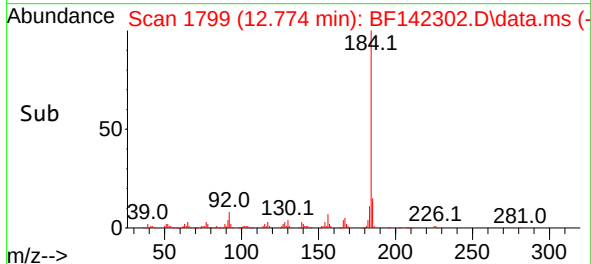
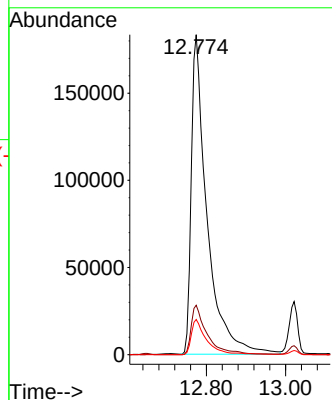
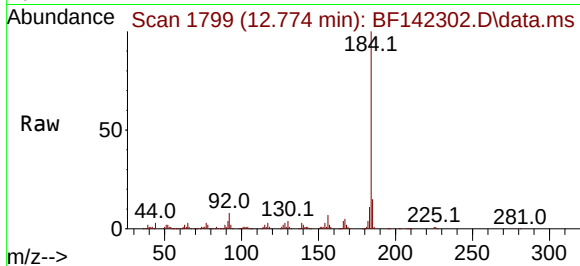




#77
Benzidine
Concen: 74.263 ng
RT: 12.774 min Scan# 1799
Delta R.T. 0.005 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

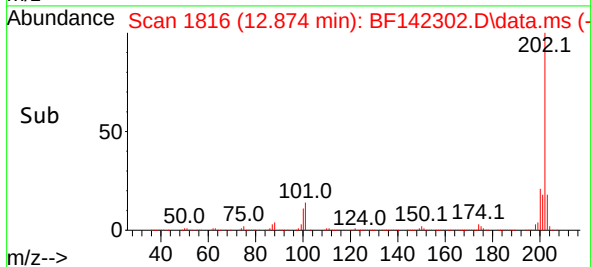
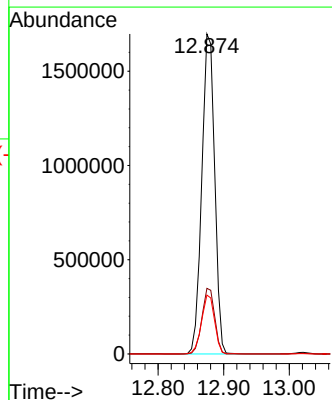
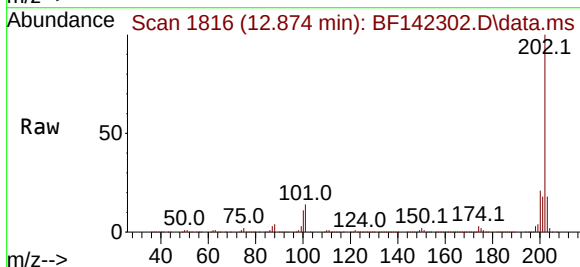
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

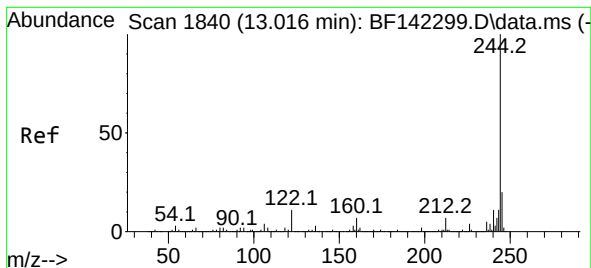
Tgt Ion:184 Resp: 504643
Ion Ratio Lower Upper
184 100
185 15.5 12.6 18.8
183 11.0 8.6 12.8



#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# 1840

Delta R.T. 0.006 min

Lab File: BF142302.D

Acq: 05 May 2025 17:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

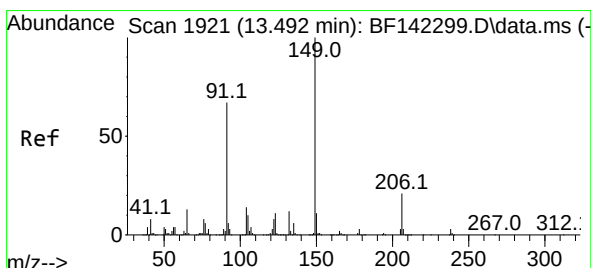
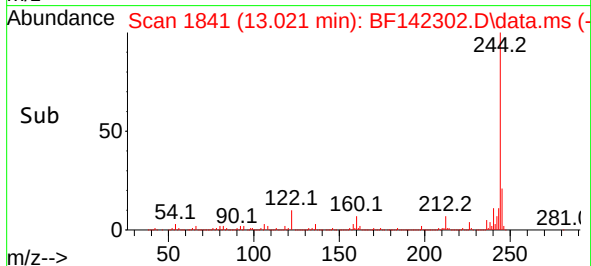
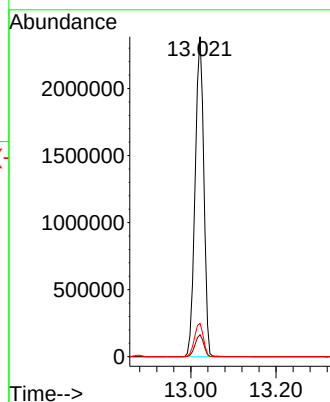
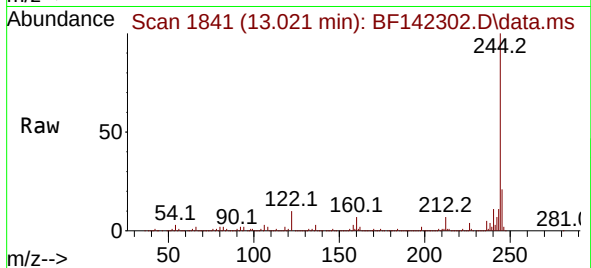
Tgt Ion:244 Resp: 3360156

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

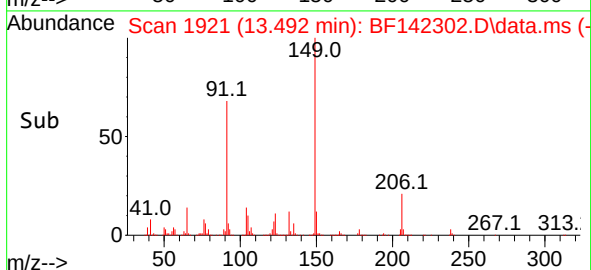
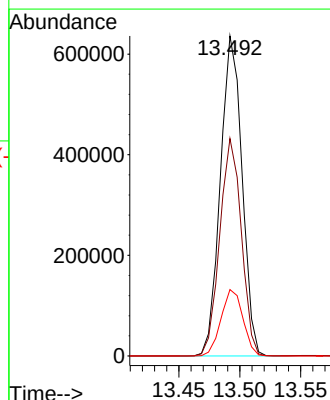
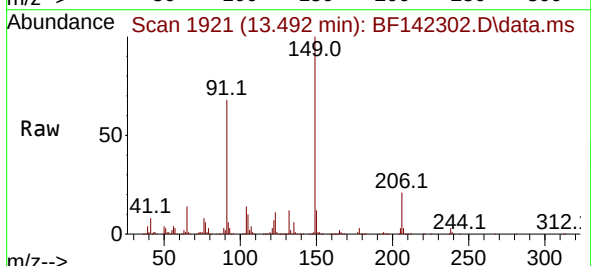
Tgt Ion:149 Resp: 788213

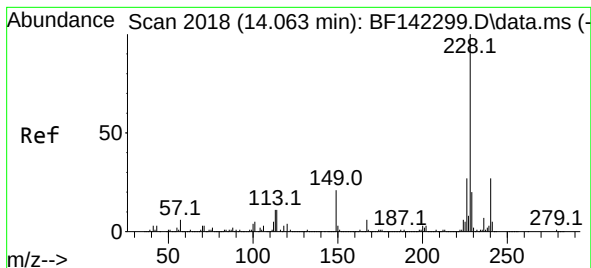
Ion Ratio Lower Upper

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# 2018

Delta R.T. -0.000 min

Lab File: BF142302.D

Acq: 05 May 2025 17:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

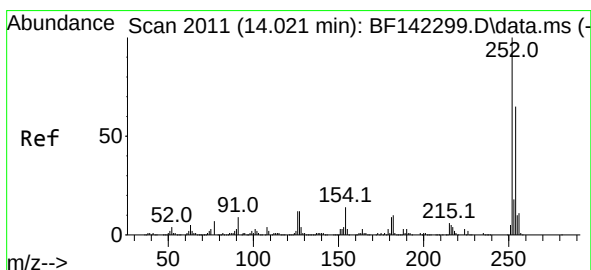
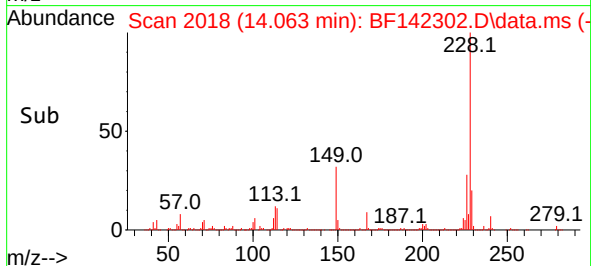
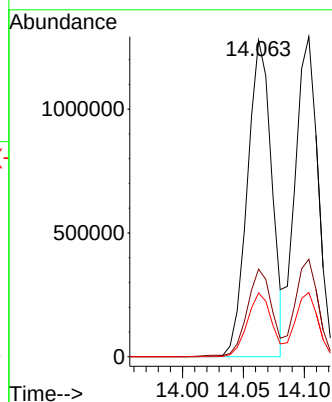
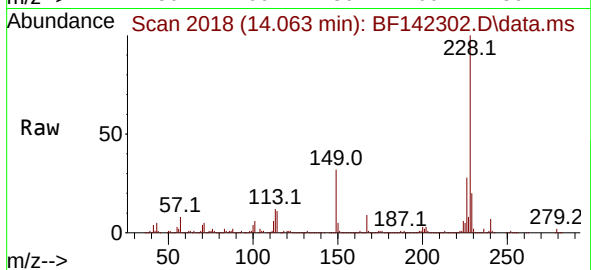
Tgt Ion:228 Resp: 1782801

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

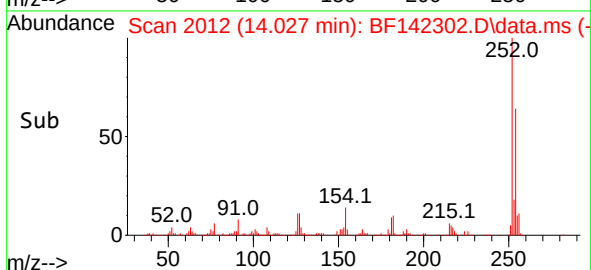
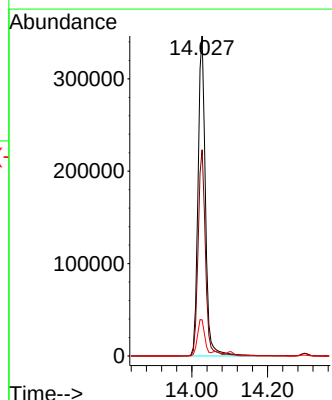
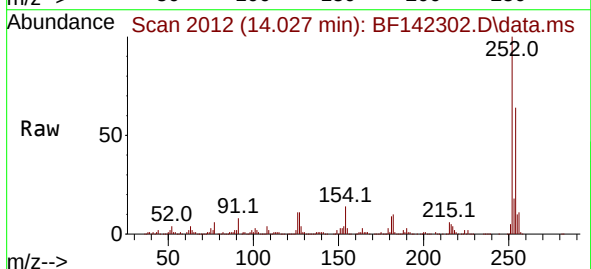
Tgt Ion:252 Resp: 474263

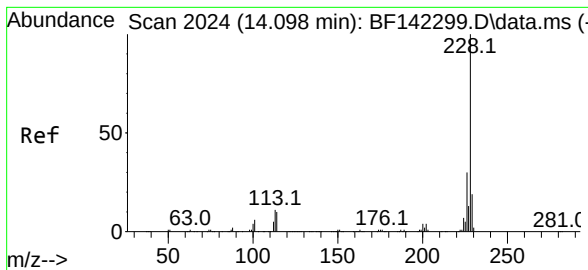
Ion Ratio Lower Upper

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# 2025

Delta R.T. 0.006 min

Lab File: BF142302.D

Acq: 05 May 2025 17:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

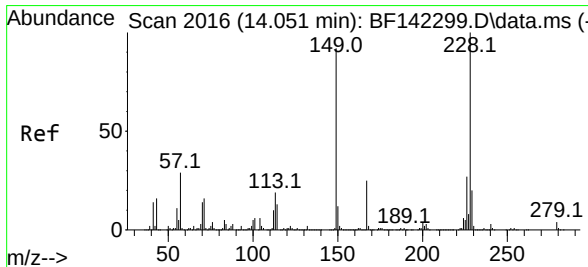
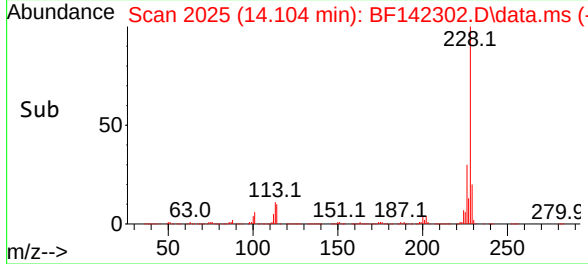
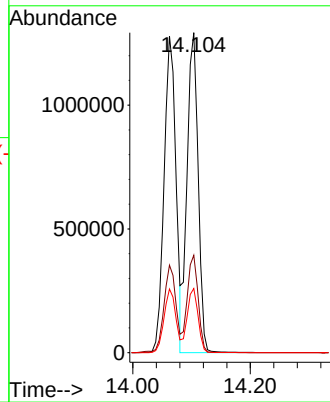
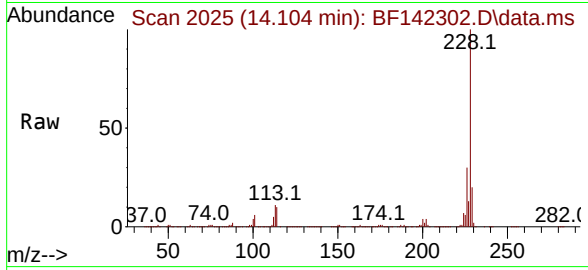
Tgt Ion:228 Resp: 1687889

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

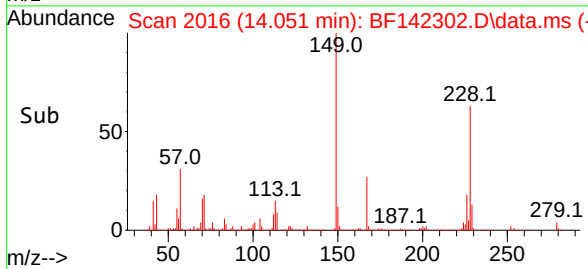
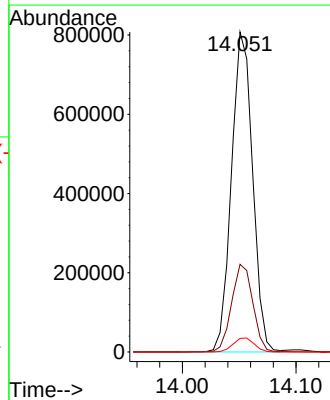
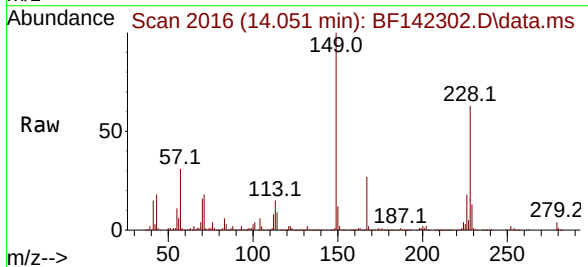
Tgt Ion:149 Resp: 1042846

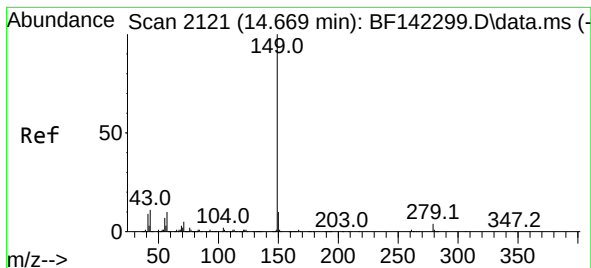
Ion Ratio Lower Upper

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# 2121

Delta R.T. -0.001 min

Lab File: BF142302.D

Acq: 05 May 2025 17:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

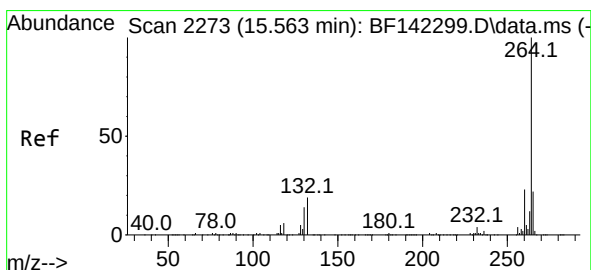
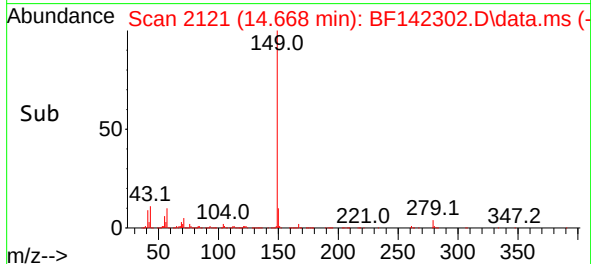
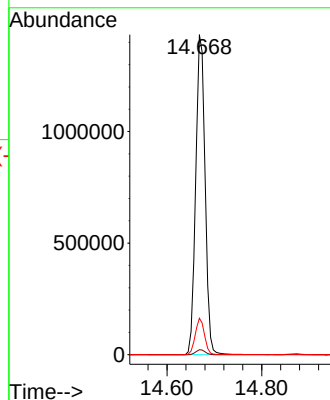
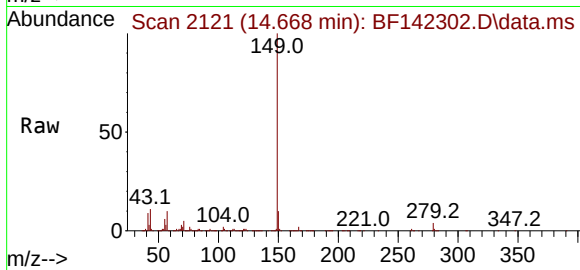
Tgt Ion:149 Resp: 1969676

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

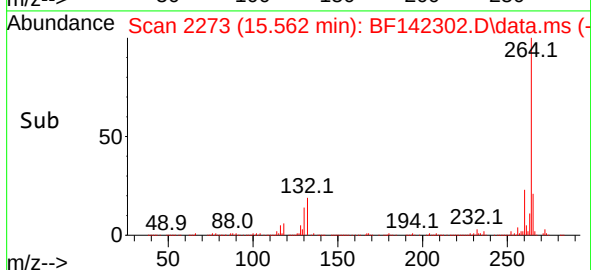
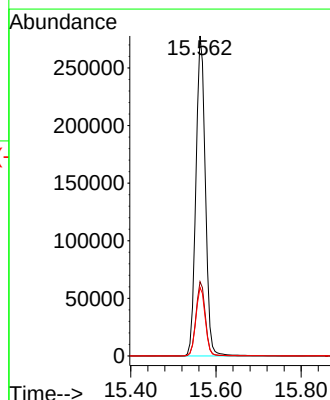
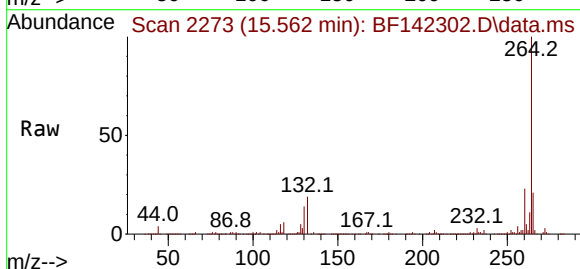
Tgt Ion:264 Resp: 426614

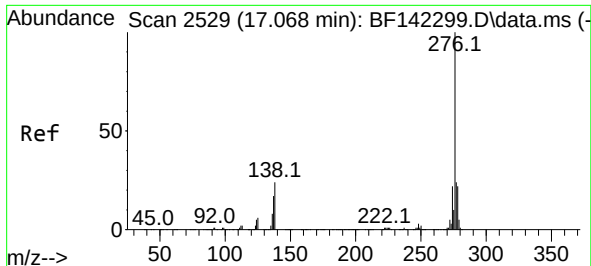
Ion Ratio Lower Upper

264 100

260 23.2 18.6 27.8

265 21.4 17.5 26.3

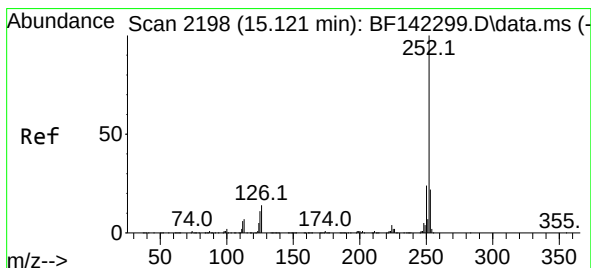
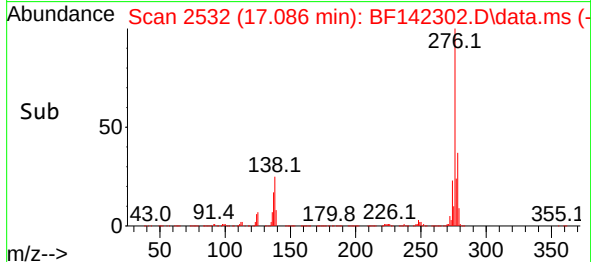
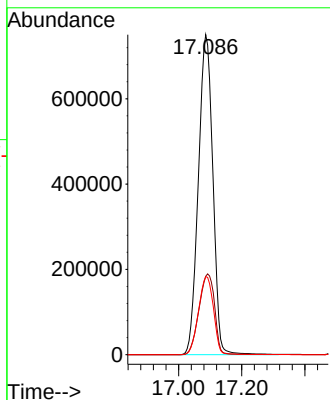
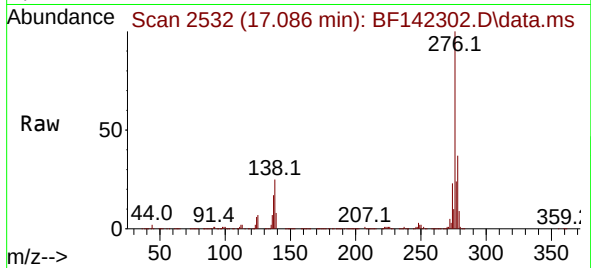




#87
Indeno(1,2,3-cd)pyrene
Concen: 80.614 ng
RT: 17.086 min Scan# 2199
Delta R.T. 0.017 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

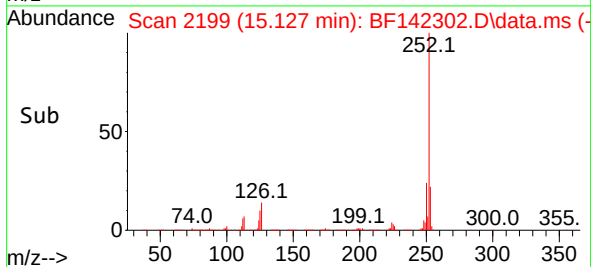
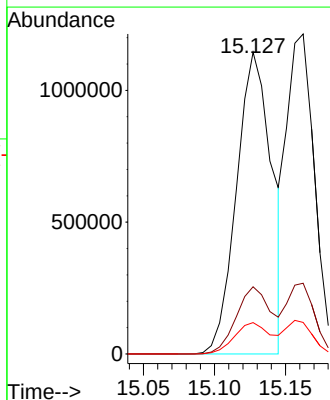
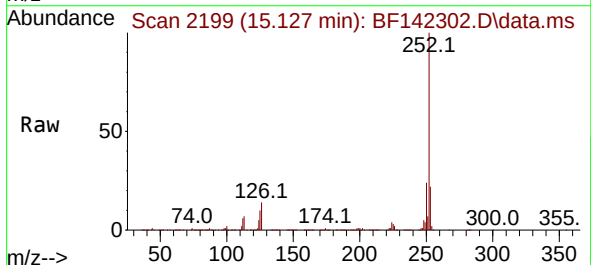
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

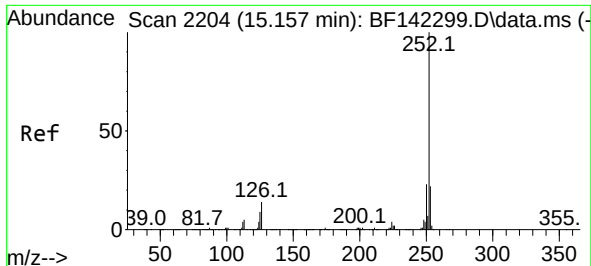
Tgt Ion:276 Resp: 2392344
Ion Ratio Lower Upper
276 100
138 27.3 22.0 33.0
277 25.3 20.1 30.1



#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# 21

Delta R.T. 0.006 min

Lab File: BF142302.D

Acq: 05 May 2025 17:15

Instrument :

BNA_F

ClientSampleId :

SSTDICC080

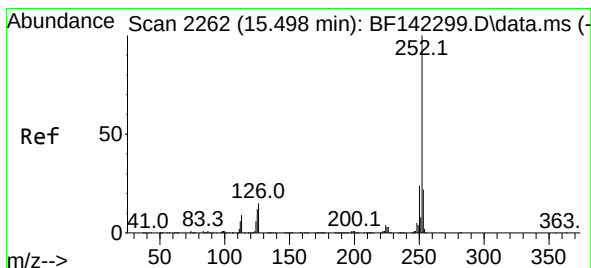
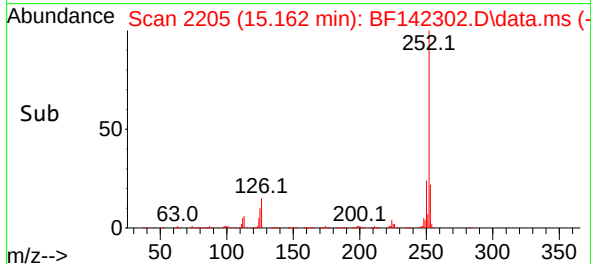
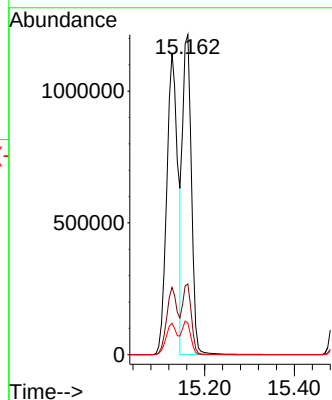
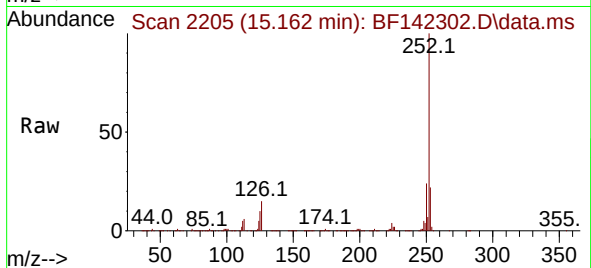
Tgt Ion:252 Resp: 1653244

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

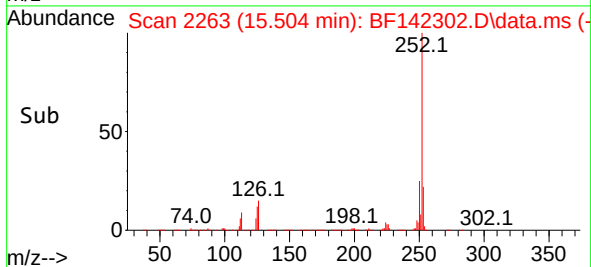
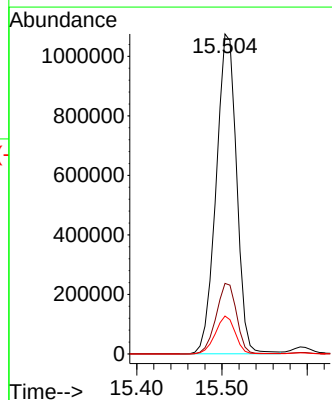
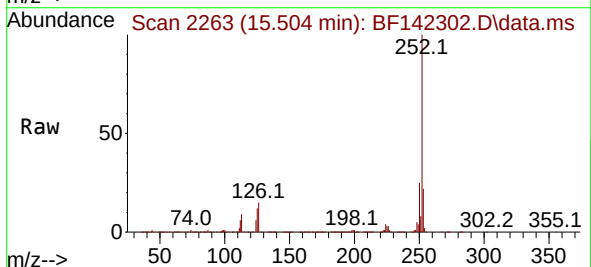
Tgt Ion:252 Resp: 1797975

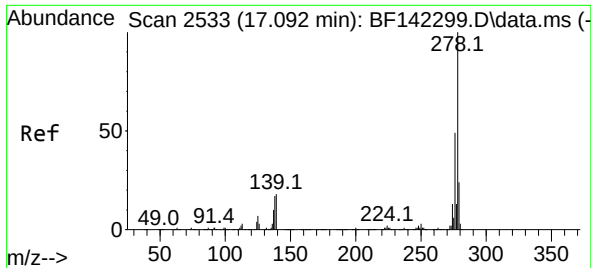
Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.6

125 11.9 9.4 14.0

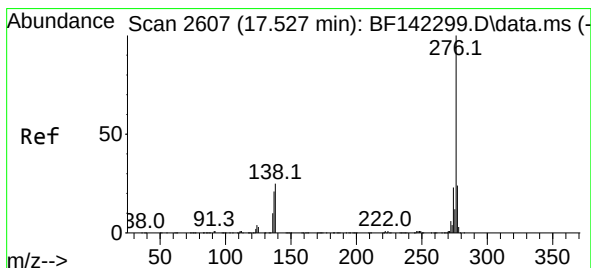
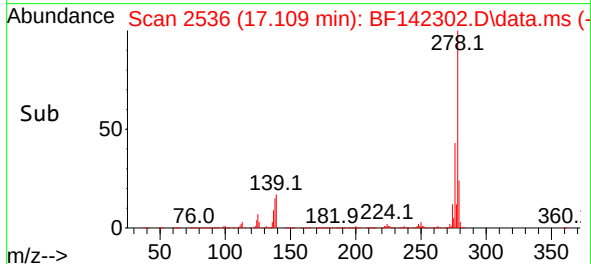
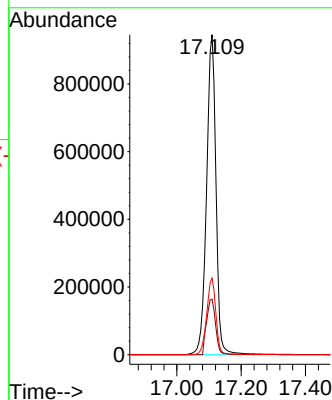
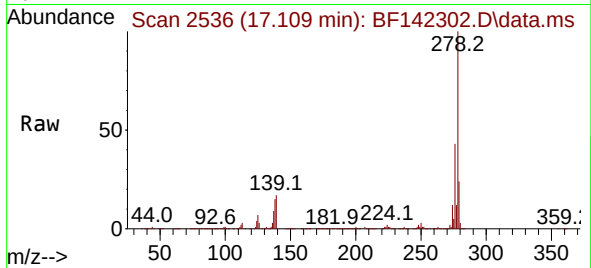




#91
Dibenzo(a,h)anthracene
Concen: 78.562 ng
RT: 17.109 min Scan# 21
Delta R.T. 0.017 min
Lab File: BF142302.D
Acq: 05 May 2025 17:15

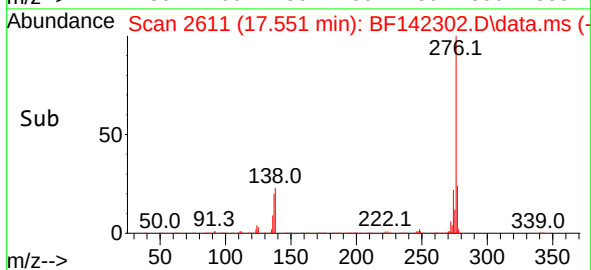
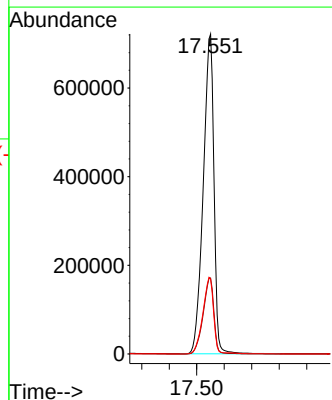
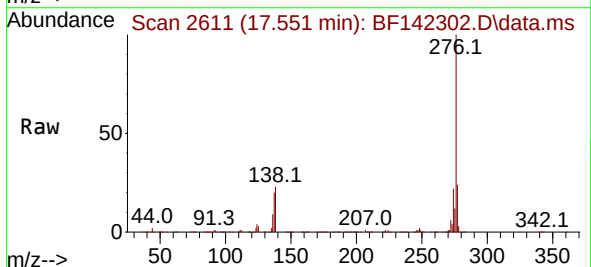
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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



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

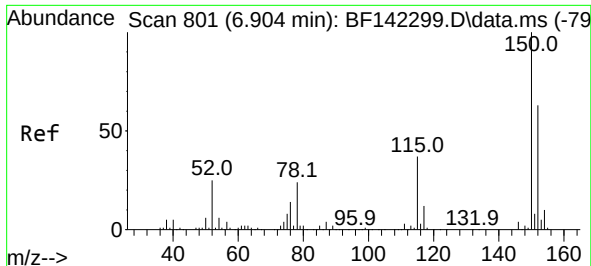
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 Data File : BF142303.D
 Acq On : 05 May 2025 18:13
 Operator : RC/JU
 Sample : SSTDICV040
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

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

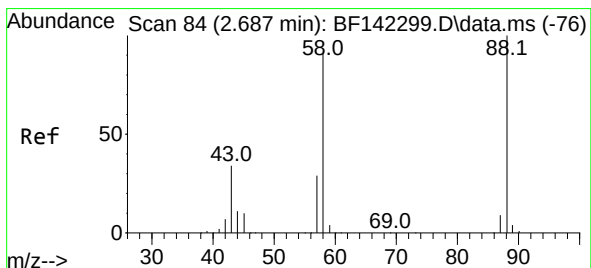
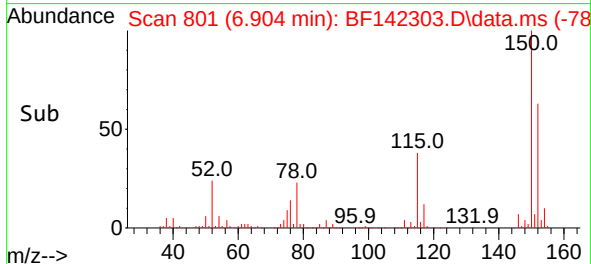
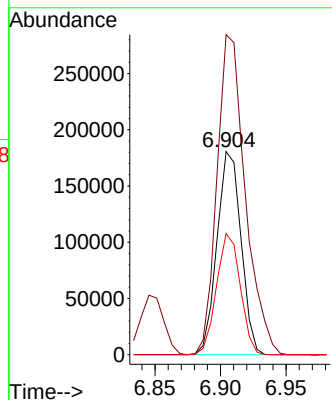
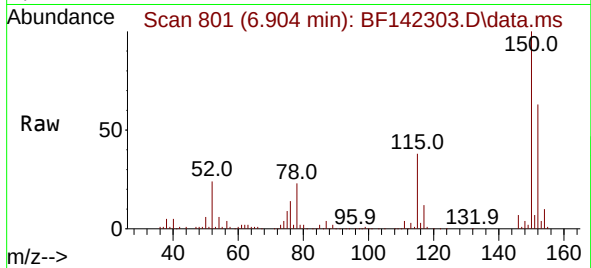
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.904 min Scan# 801
 Delta R.T. 0.000 min
 Lab File: BF142303.D
 Acq: 05 May 2025 18:13

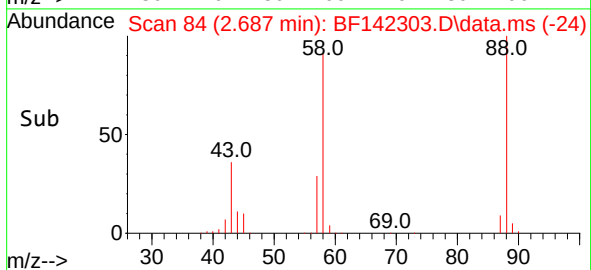
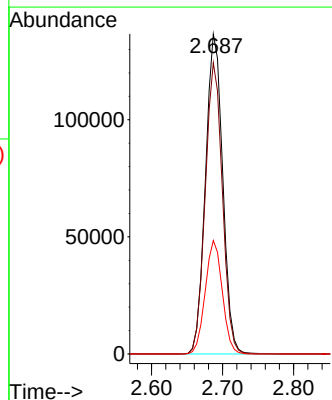
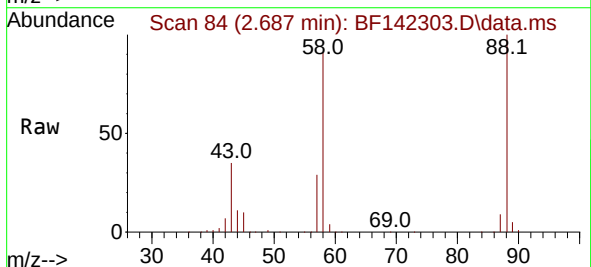
Instrument :
 BNA_F
 ClientSampleId :
 ICVBF050525

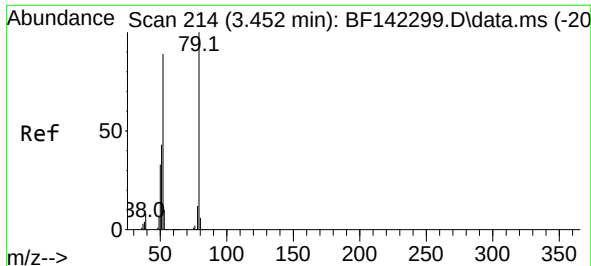
Tgt Ion:152 Resp: 230180
 Ion Ratio Lower Upper
 152 100
 150 157.6 126.6 190.0
 115 59.7 47.3 70.9



#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

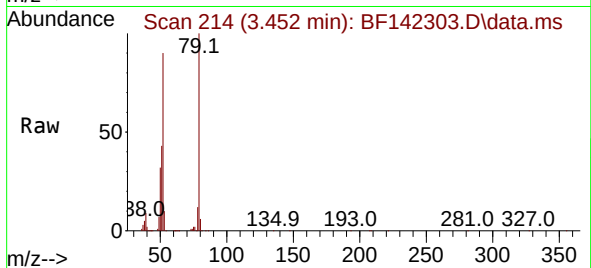
Tgt Ion: 88 Resp: 231020
 Ion Ratio Lower Upper
 88 100
 58 90.4 73.0 109.4
 43 35.1 27.8 41.6





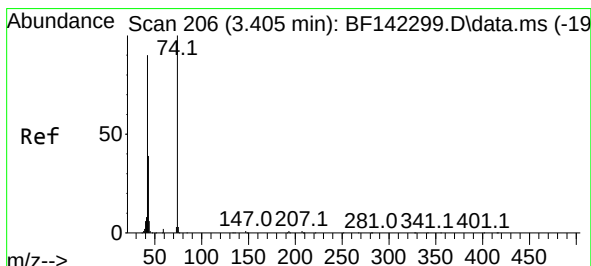
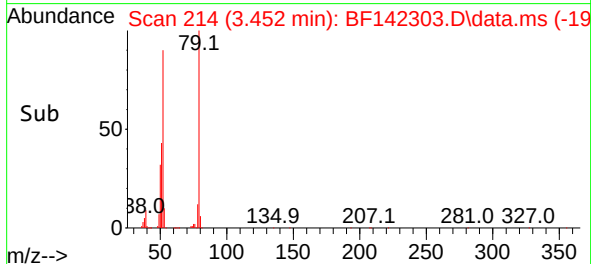
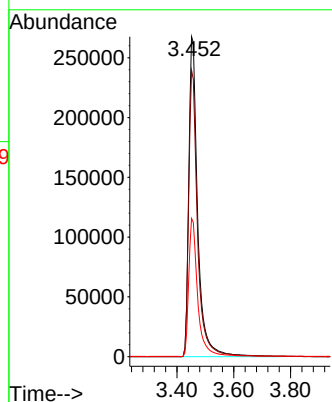
#3
Pyridine
Concen: 40.992 ng
RT: 3.452 min Scan# 214
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Instrument :
BNA_F
ClientSampleId :
ICVBF050525



Tgt Ion: 79 Resp: 584384

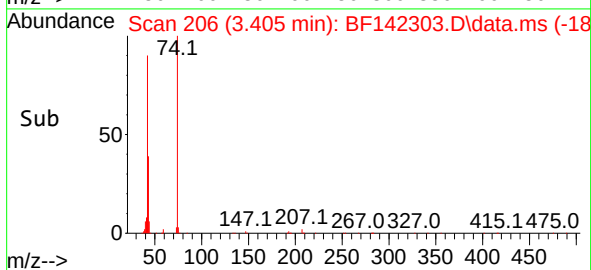
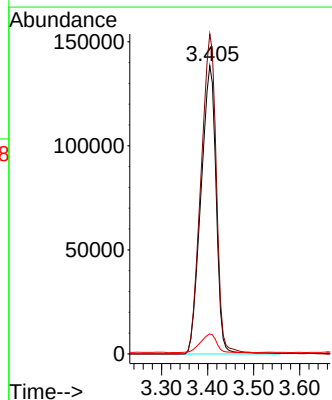
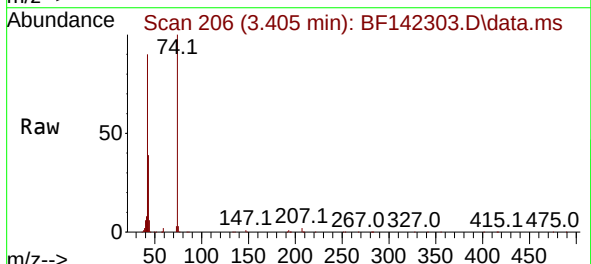
Ion	Ratio	Lower	Upper
79	100		
52	89.5	71.0	106.4
51	43.2	34.9	52.3

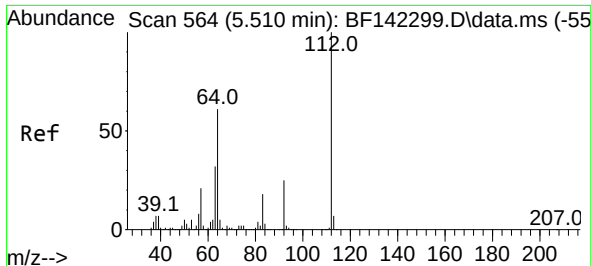


#4
n-Nitrosodimethylamine
Concen: 38.346 ng
RT: 3.405 min Scan# 206
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

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

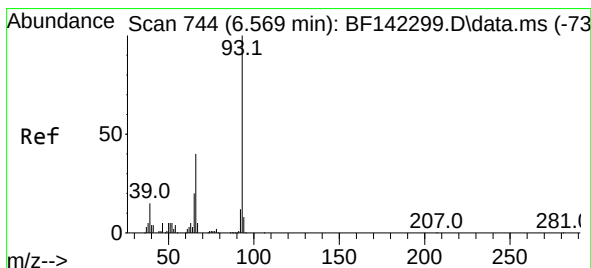
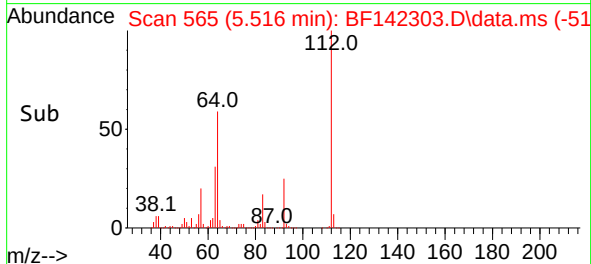
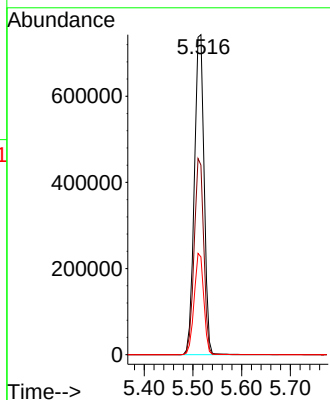
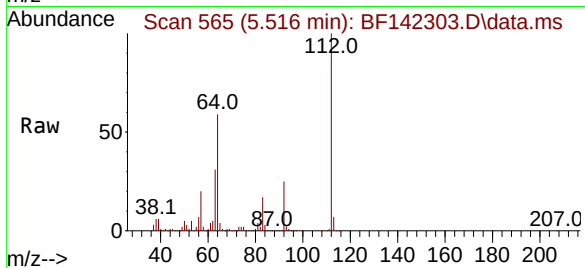




#5
2-Fluorophenol
Concen: 77.026 ng
RT: 5.516 min Scan# 506
Delta R.T. 0.006 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

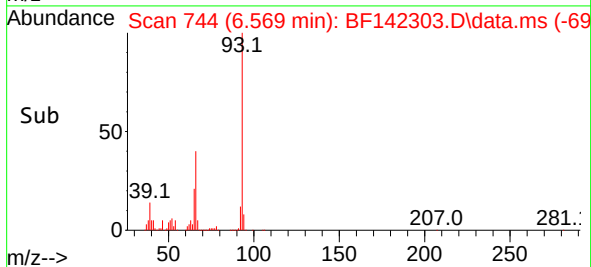
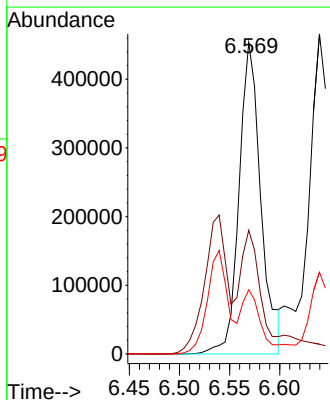
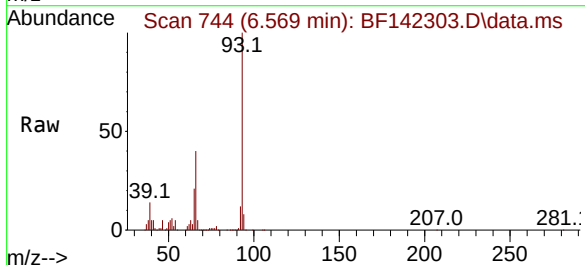
Instrument :
BNA_F
ClientSampleId :
ICVBF050525

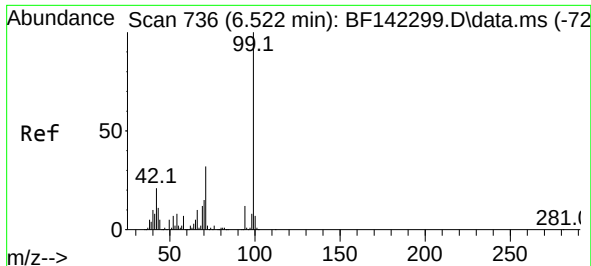
Tgt Ion:112 Resp: 1038606
Ion Ratio Lower Upper
112 100
64 59.2 48.9 73.3
63 30.6 25.6 38.4



#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# 71
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

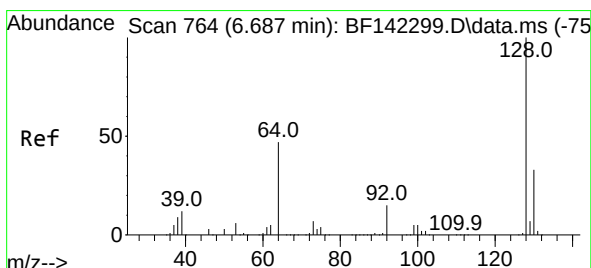
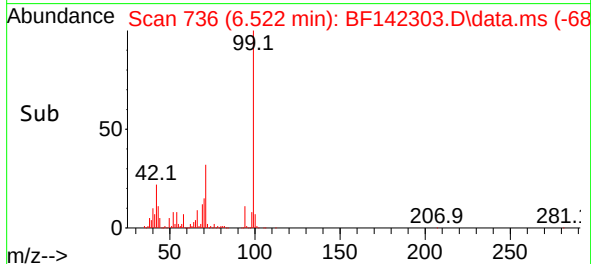
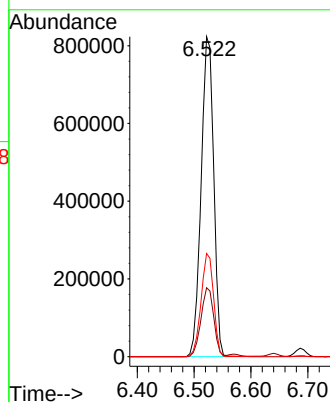
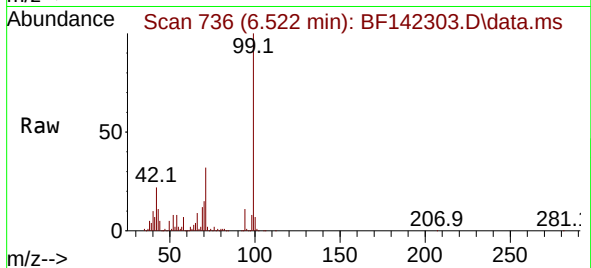
Instrument :

BNA_F

ClientSampleId :

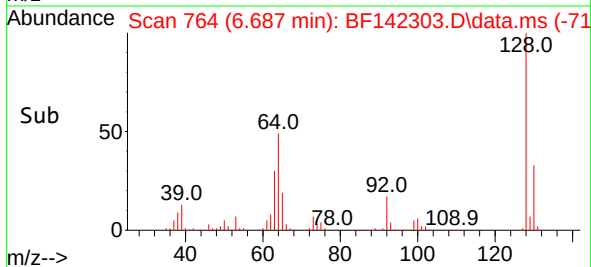
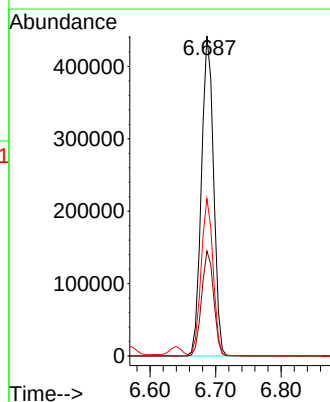
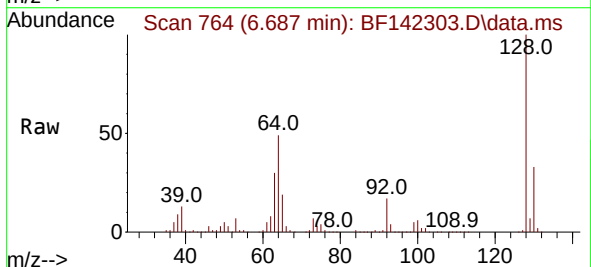
ICVBF050525

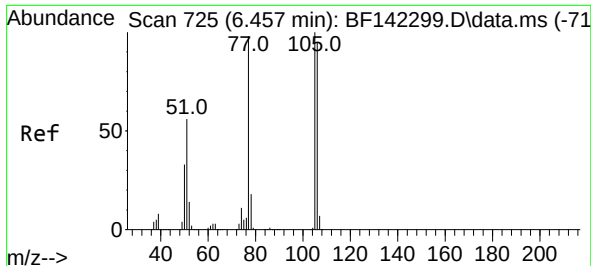
Tgt Ion: 99 Resp: 1267516
Ion Ratio Lower Upper
99 100
42 21.6 17.0 25.4
71 32.2 25.8 38.8



#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# 725

Delta R.T. 0.000 min

Lab File: BF142303.D

Acq: 05 May 2025 18:13

Instrument :

BNA_F

ClientSampleId :

ICVBF050525

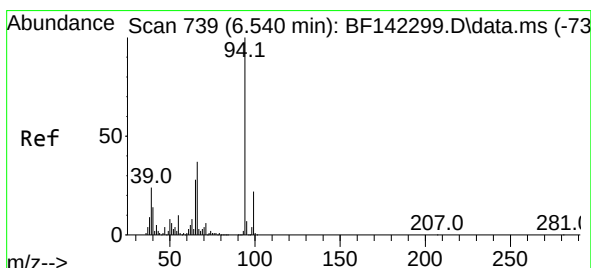
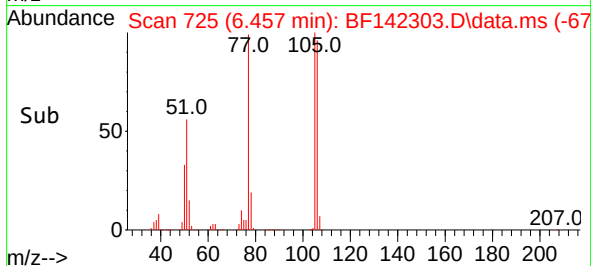
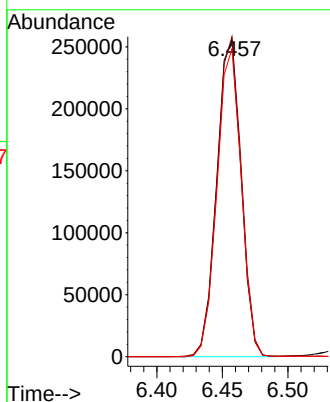
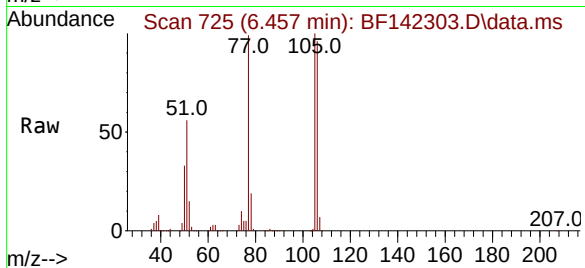
Tgt Ion: 77 Resp: 330476

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

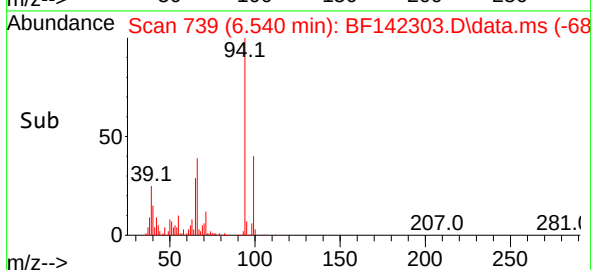
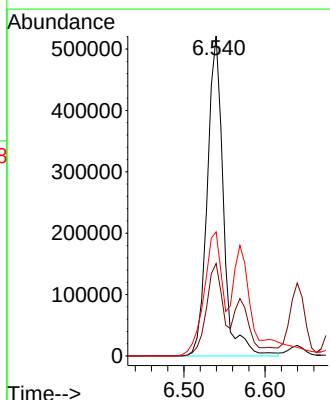
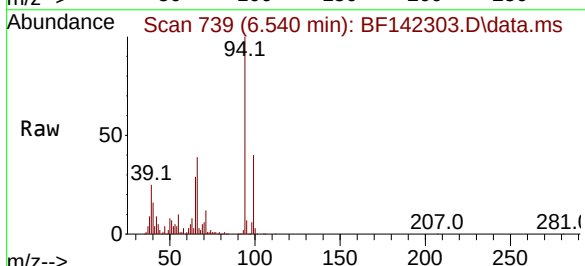
Tgt Ion: 94 Resp: 715941

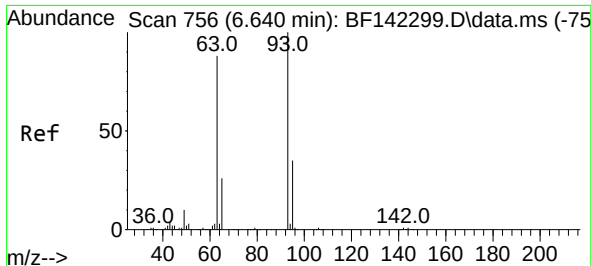
Ion Ratio Lower Upper

94 100

65 28.9 8.5 48.5

66 38.8 17.3 57.3

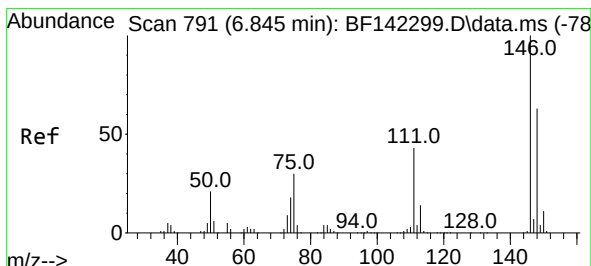
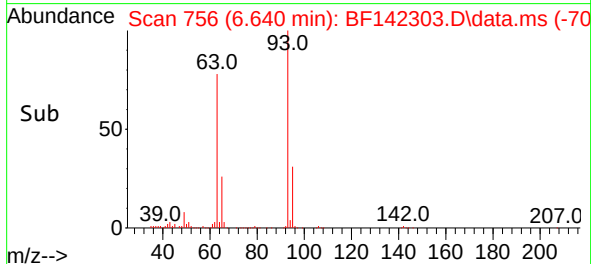
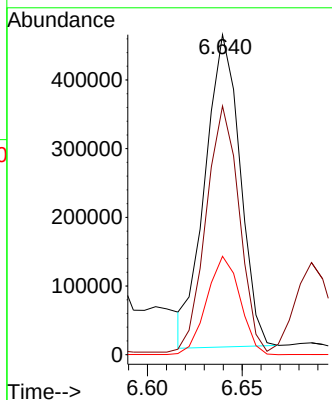
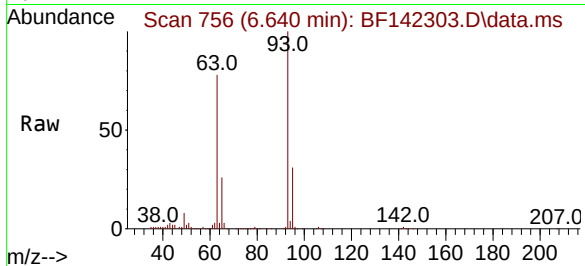




#11
bis(2-Chloroethyl)ether
Concen: 33.668 ng
RT: 6.640 min Scan# 756
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

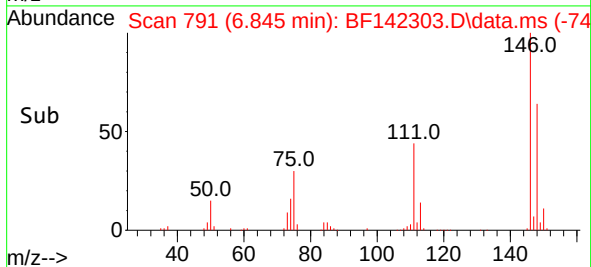
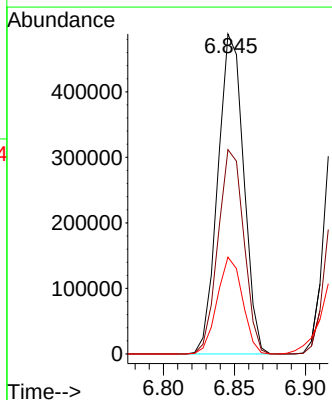
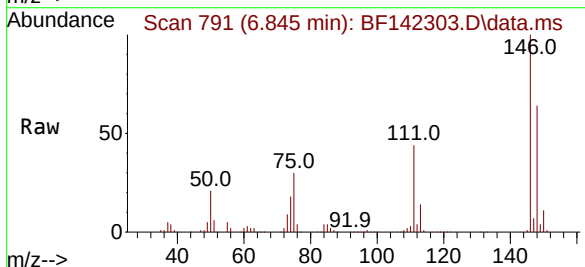
Instrument :
BNA_F
ClientSampleId :
ICVBF050525

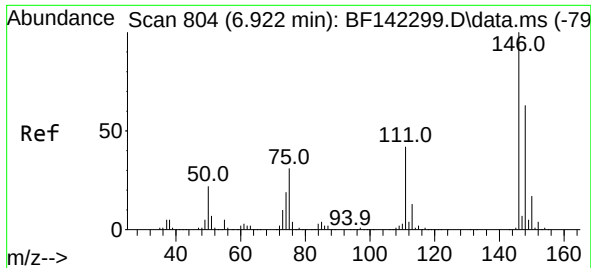
Tgt Ion: 93 Resp: 583659
Ion Ratio Lower Upper
93 100
63 77.7 58.4 98.4
95 30.8 10.6 50.6



#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

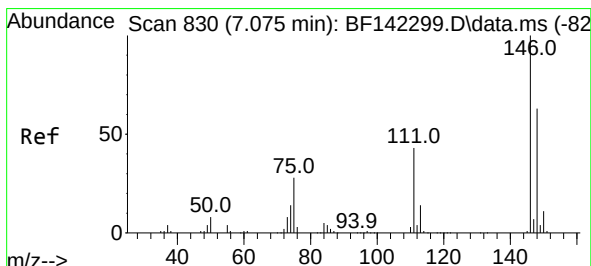
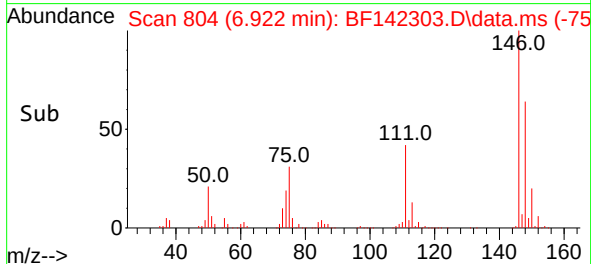
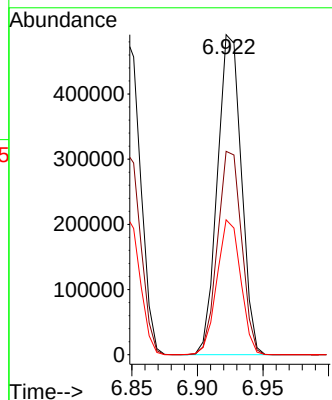
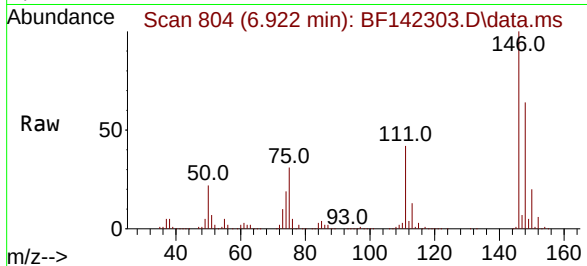




#13
1,4-Dichlorobenzene
Concen: 37.681 ng
RT: 6.922 min Scan# 804
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

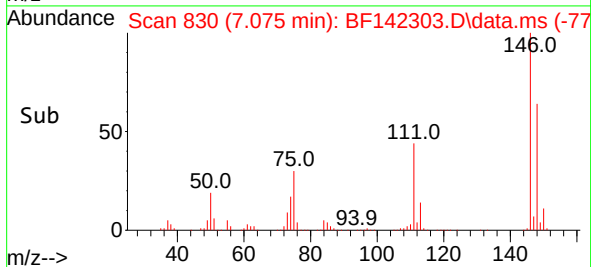
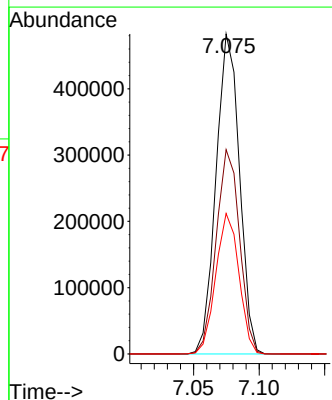
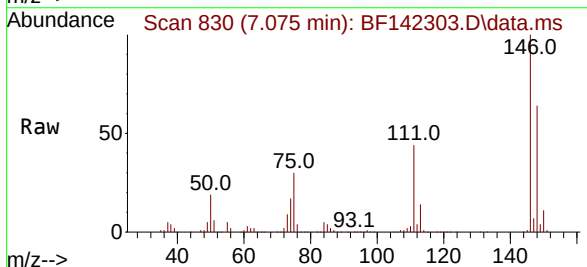
Instrument :
BNA_F
ClientSampleId :
ICVBF050525

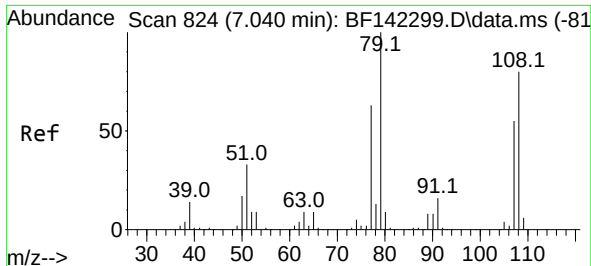
Tgt Ion:146 Resp: 623676
Ion Ratio Lower Upper
146 100
148 63.5 50.5 75.7
111 42.1 33.4 50.2



#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

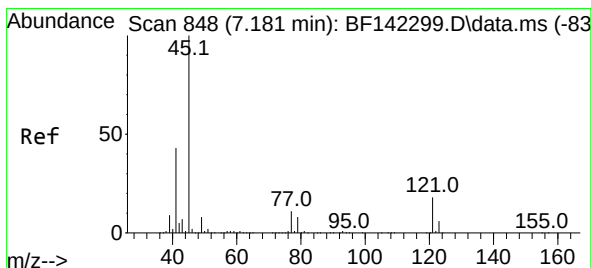
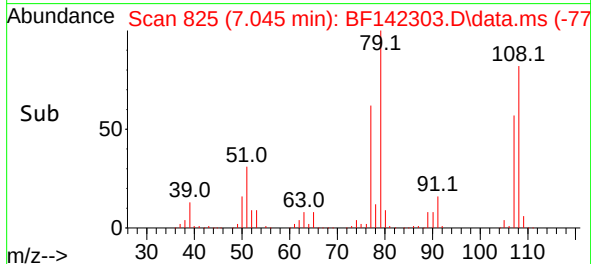
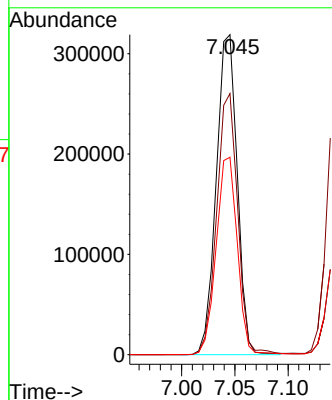
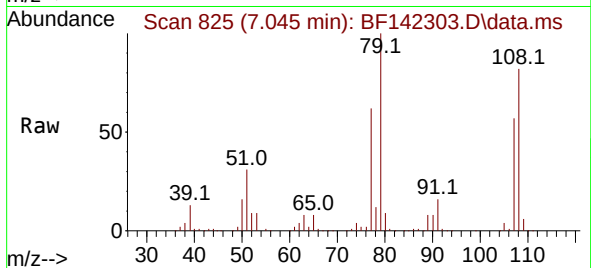




#15
Benzyl Alcohol
Concen: 40.632 ng
RT: 7.045 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

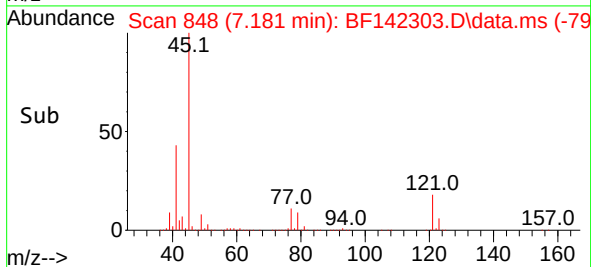
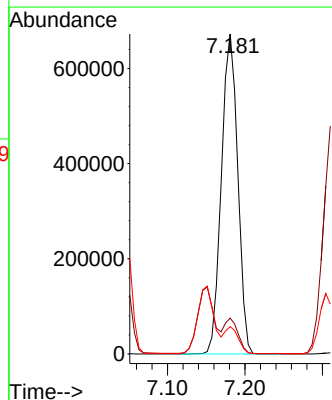
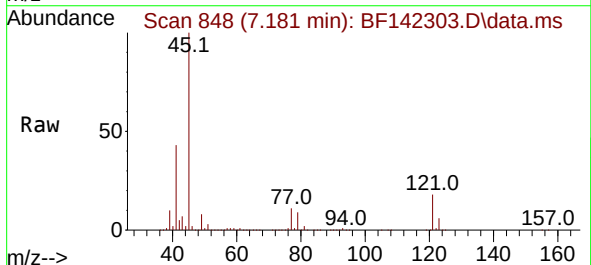
Instrument :
BNA_F
ClientSampleId :
ICVBF050525

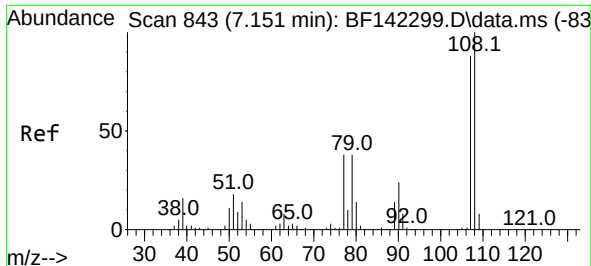
Tgt Ion: 79 Resp: 436337
Ion Ratio Lower Upper
79 100
108 81.6 63.9 95.9
77 61.7 50.7 76.1



#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

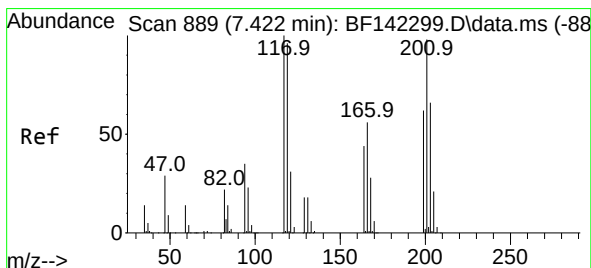
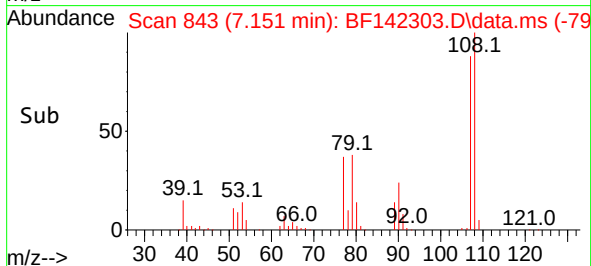
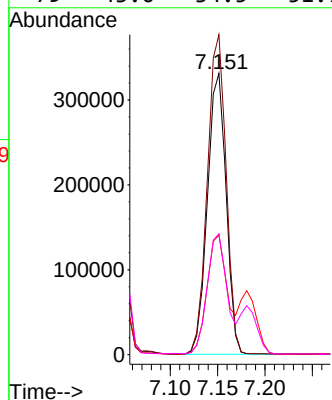
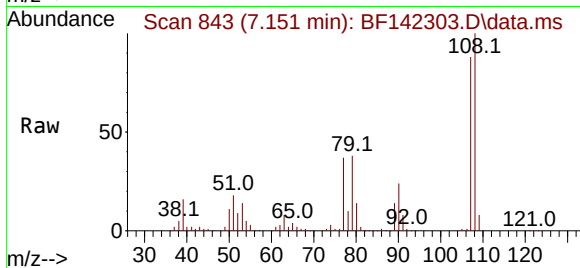




#17
2-Methylphenol
Concen: 38.961 ng
RT: 7.151 min Scan# 843
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

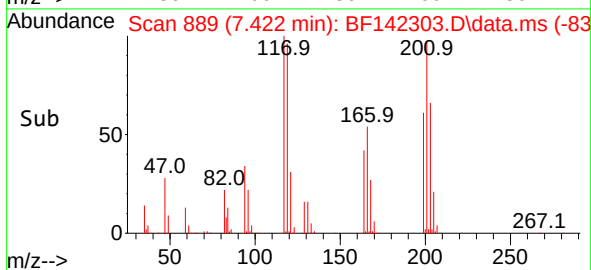
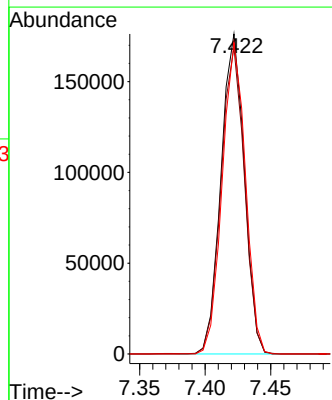
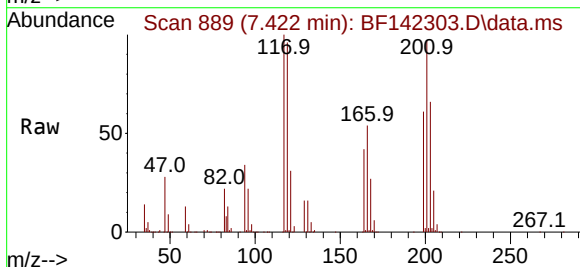
Instrument :
BNA_F
ClientSampleId :
ICVBF050525

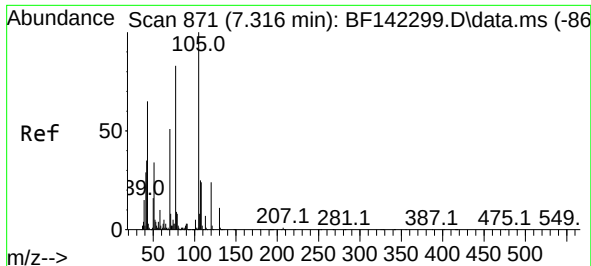
Tgt Ion:	107	Resp:	454505
Ion	Ratio	Lower	Upper
107	100		
108	113.8	91.1	136.7
77	42.5	34.7	52.1
79	43.0	34.5	51.7



#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

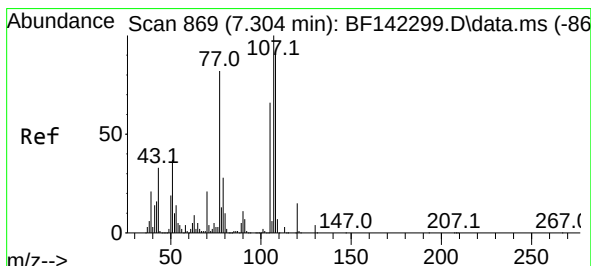
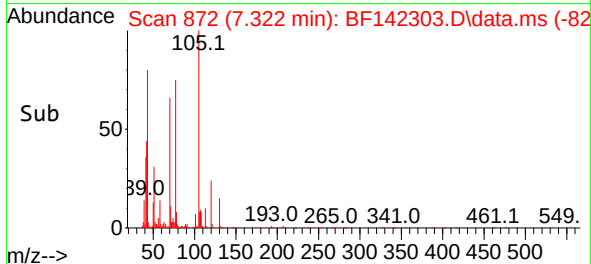
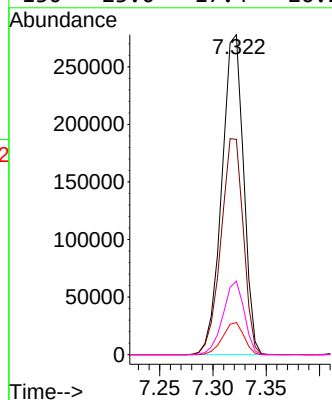
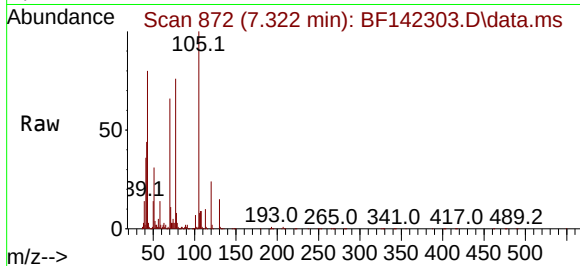




#19
n-Nitroso-di-n-propylamine
Concen: 38.437 ng
RT: 7.322 min Scan# 871
Delta R.T. 0.006 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

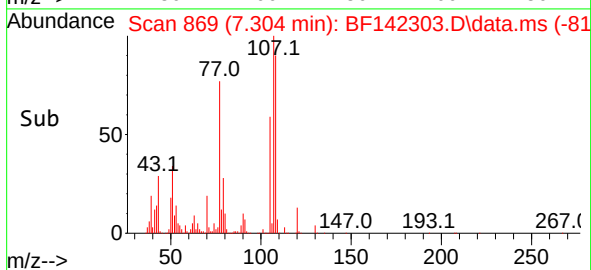
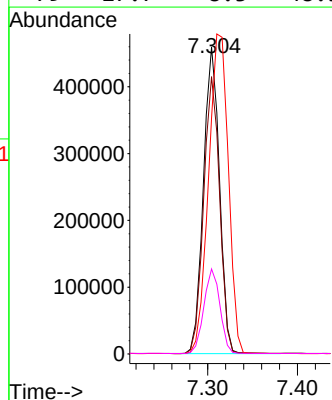
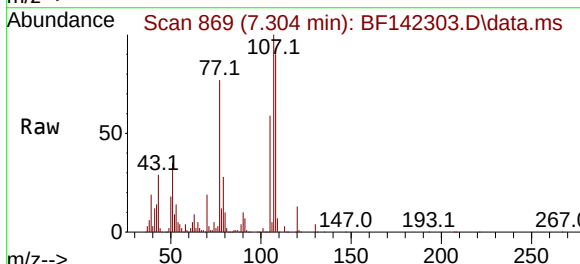
Instrument :
BNA_F
ClientSampleId :
ICVBF050525

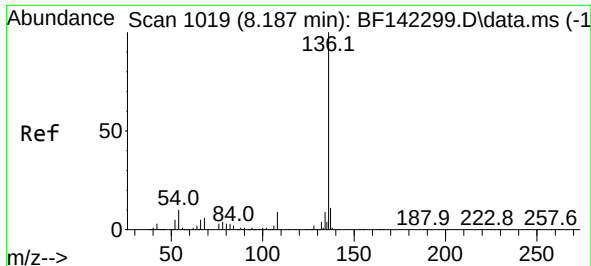
Tgt Ion: 70 Resp: 394300
Ion Ratio Lower Upper
70 100
42 67.3 54.8 82.2
101 10.0 7.7 11.5
130 23.0 17.4 26.2



#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

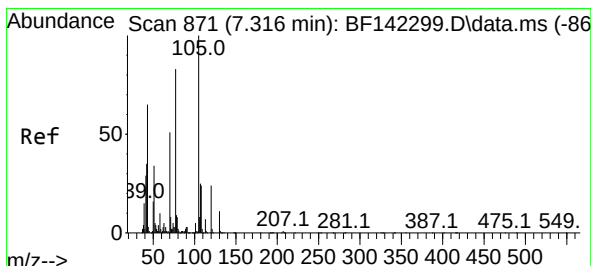
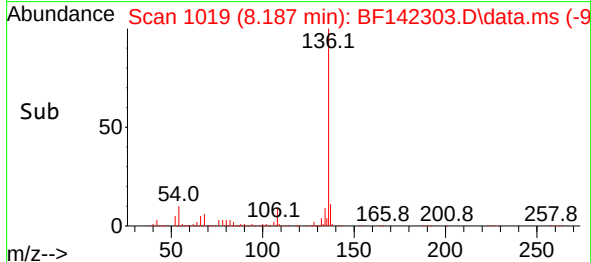
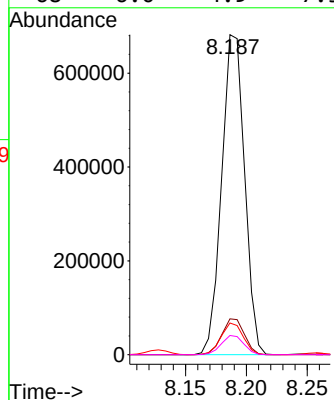
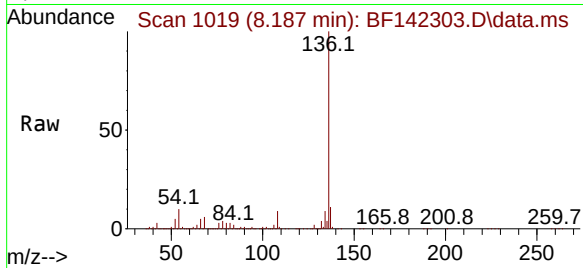




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

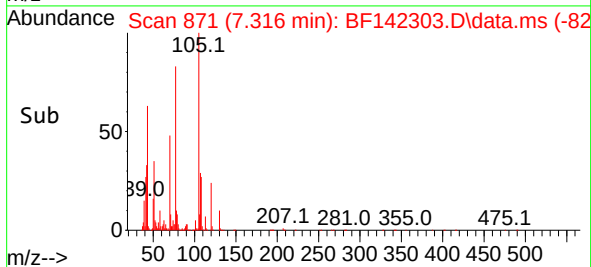
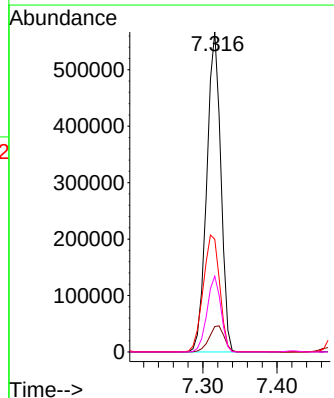
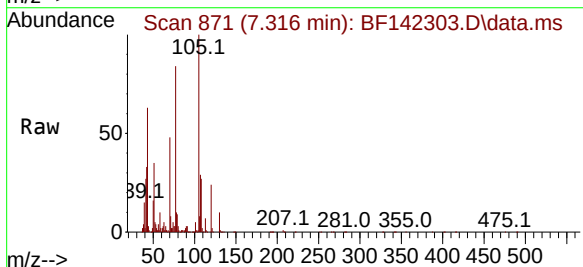
Instrument :
BNA_F
ClientSampleId :
ICVBF050525

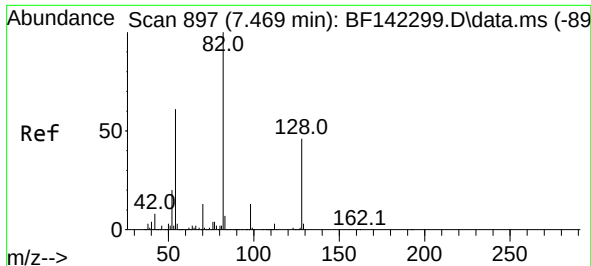
Tgt Ion:	136	Resp:	893807
Ion	Ratio	Lower	Upper
136	100		
137	11.2	8.9	13.3
54	9.9	7.7	11.5
68	6.0	4.9	7.3



#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# 897

Delta R.T. -0.000 min

Lab File: BF142303.D

Acq: 05 May 2025 18:13

Instrument :

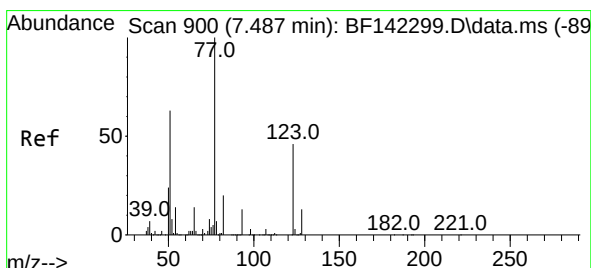
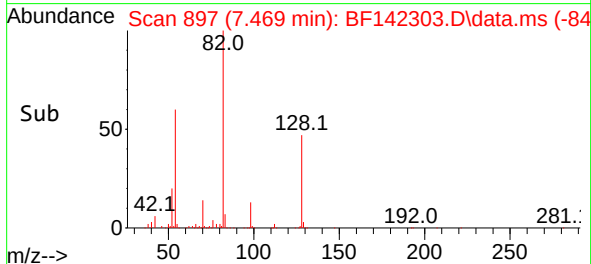
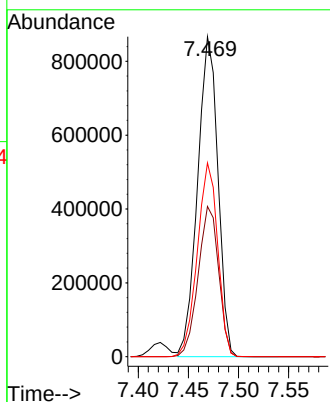
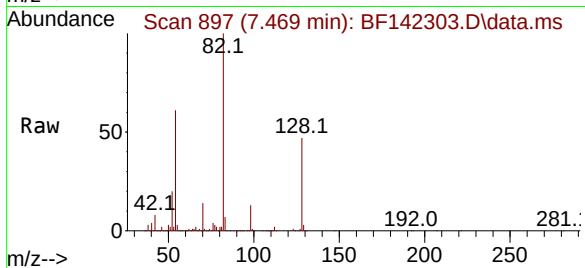
BNA_F

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

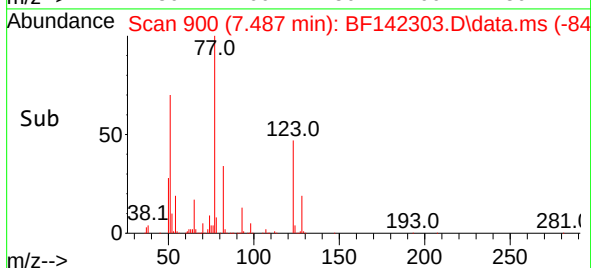
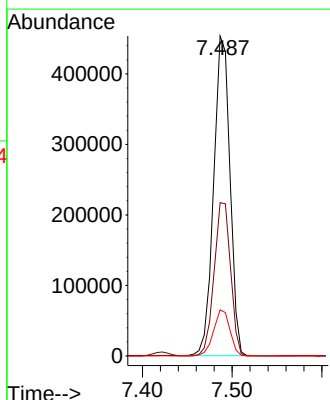
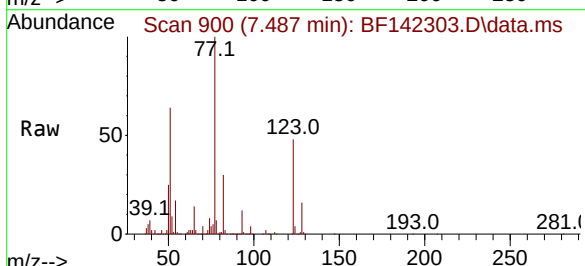
Delta R.T. -0.000 min

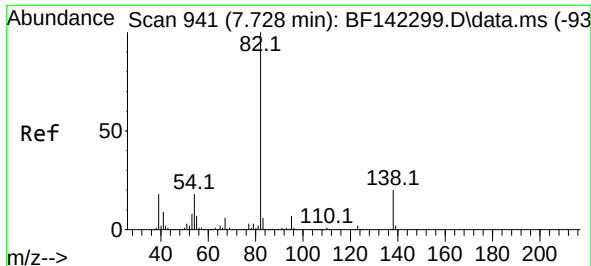
Lab File: BF142303.D

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

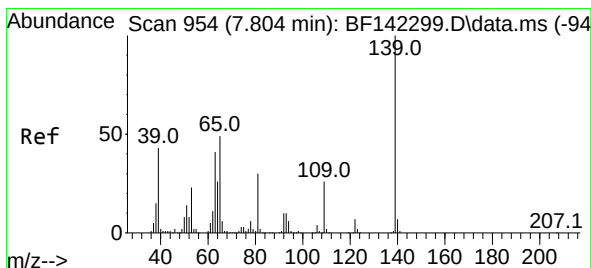
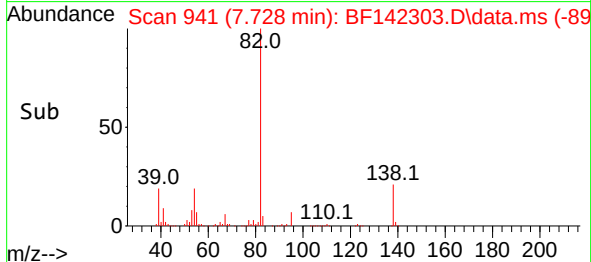
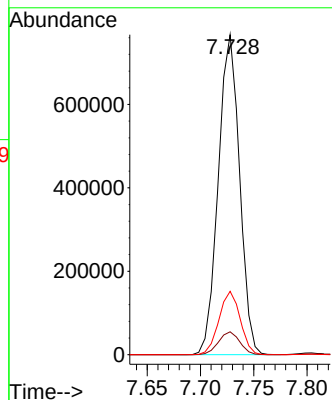
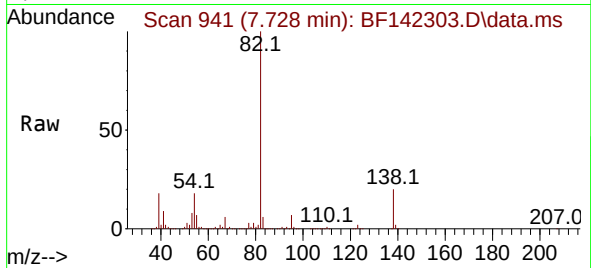




#25
Isophorone
Concen: 38.426 ng
RT: 7.728 min Scan# 941
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

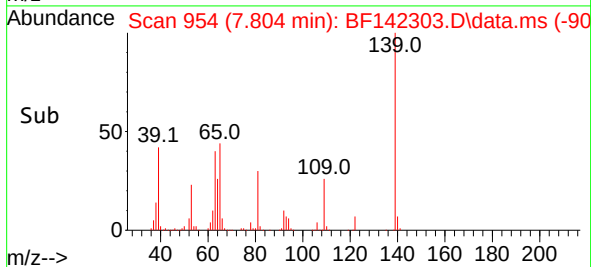
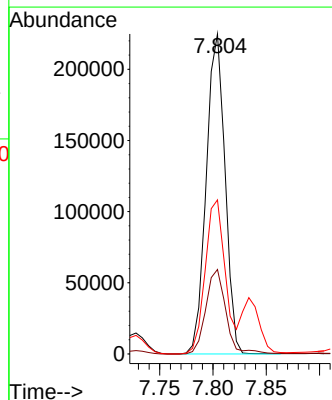
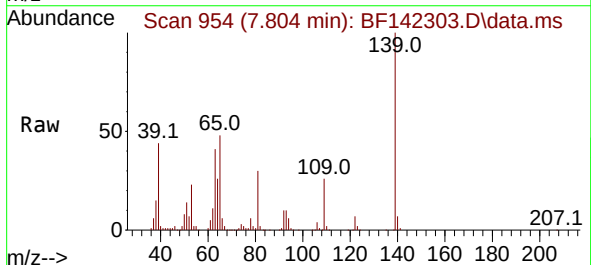
Instrument :
BNA_F
ClientSampleId :
ICVBF050525

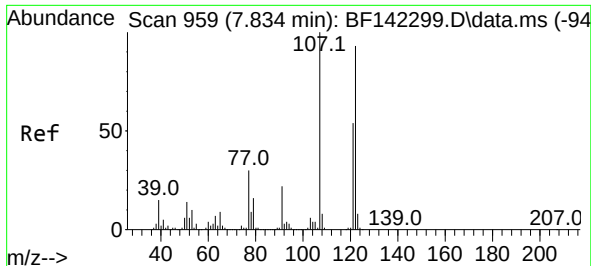
Tgt Ion: 82 Resp: 1066427
Ion Ratio Lower Upper
82 100
95 7.2 5.8 8.8
138 19.8 16.1 24.1



#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# 91

Delta R.T. -0.000 min

Lab File: BF142303.D

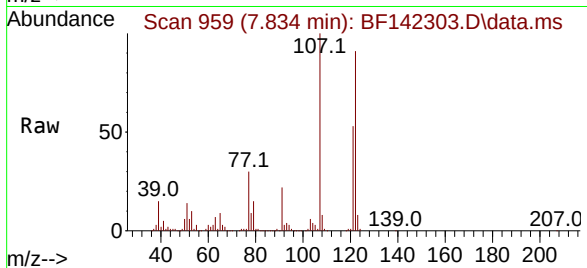
Acq: 05 May 2025 18:13

Instrument :

BNA_F

ClientSampleId :

ICVBF050525



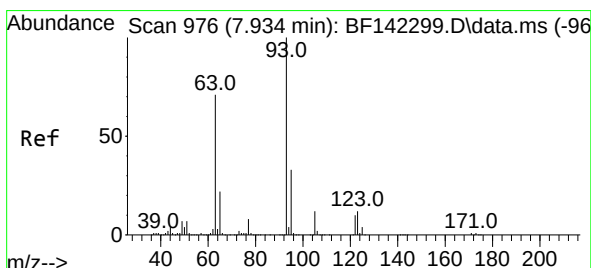
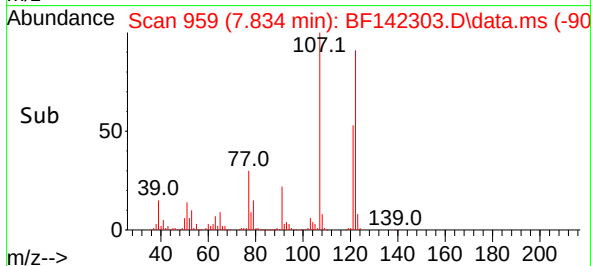
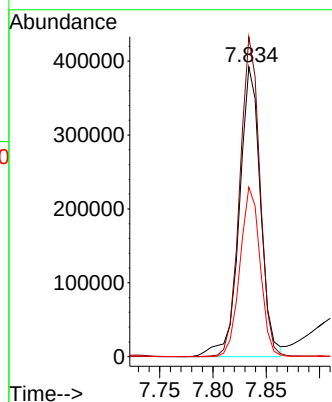
Tgt Ion:122 Resp: 542819

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

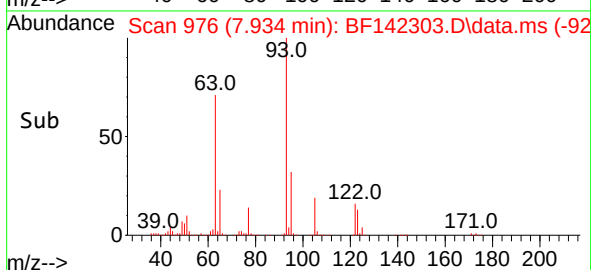
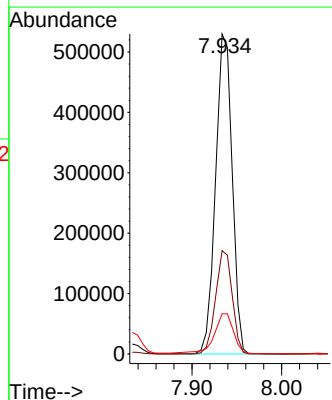
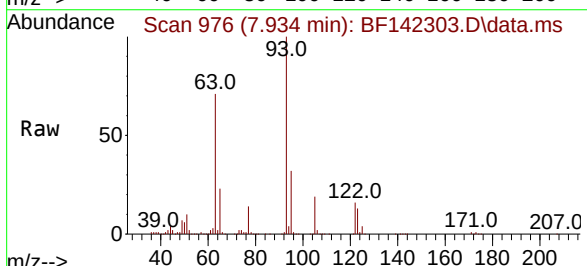
Tgt Ion: 93 Resp: 681438

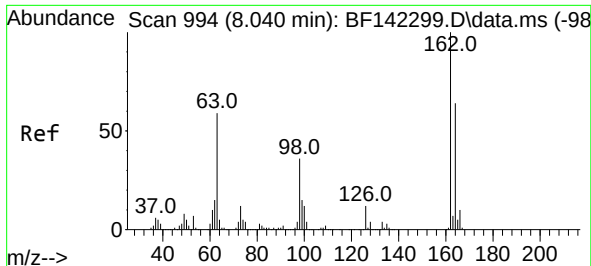
Ion Ratio Lower Upper

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# 994

Delta R.T. -0.000 min

Lab File: BF142303.D

Acq: 05 May 2025 18:13

Instrument :

BNA_F

ClientSampleId :

ICVBF050525

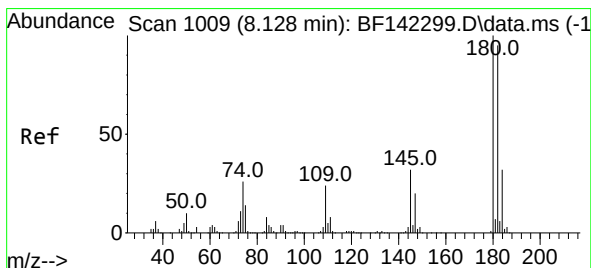
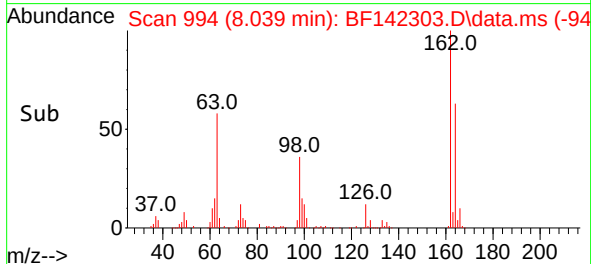
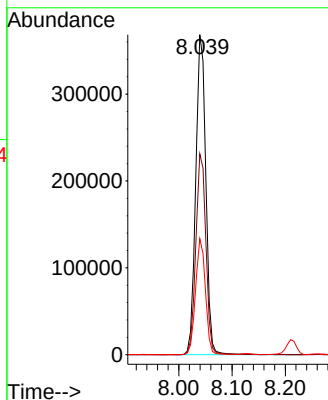
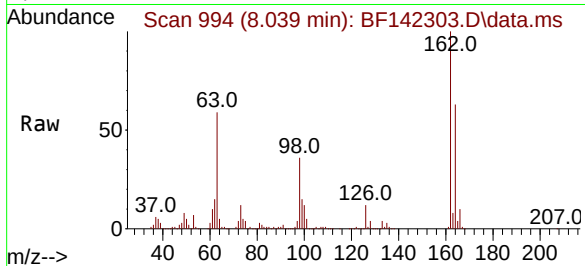
Tgt Ion:162 Resp: 482996

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

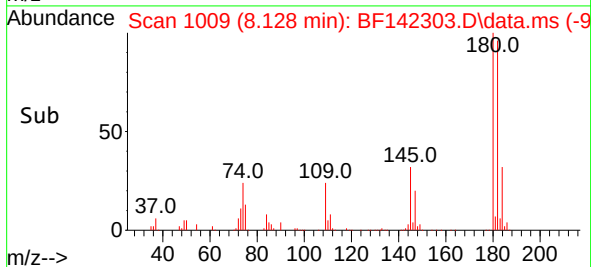
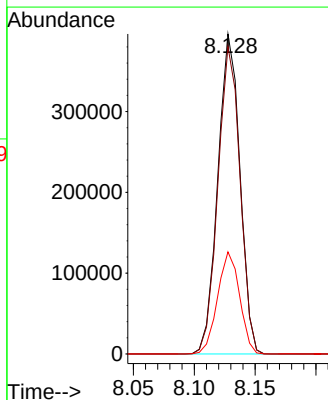
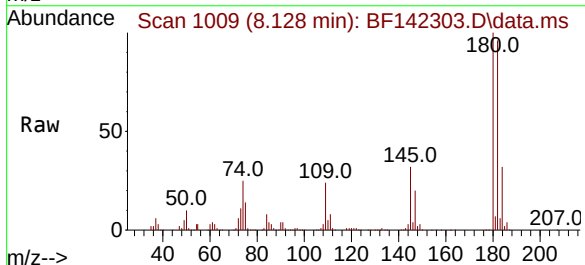
Tgt Ion:180 Resp: 500471

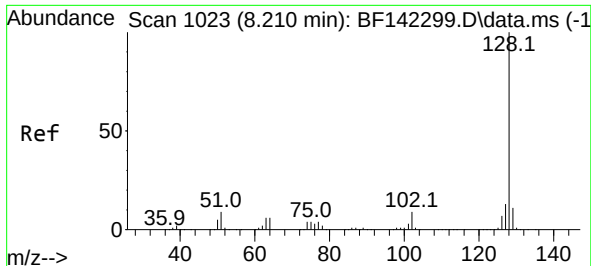
Ion Ratio Lower Upper

180 100

182 96.0 76.2 114.4

145 31.9 25.8 38.6

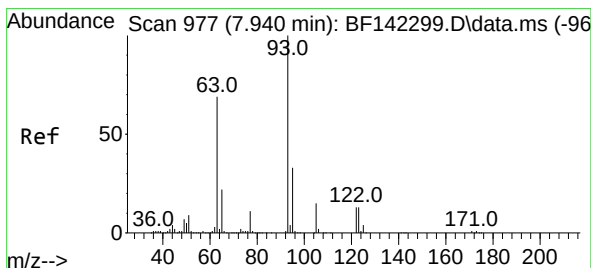
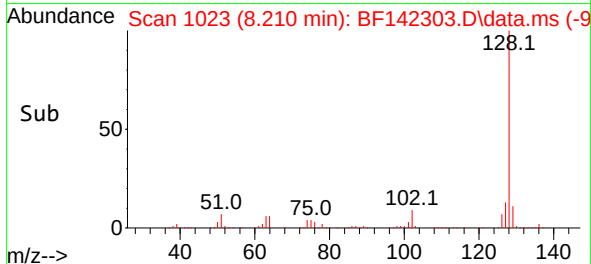
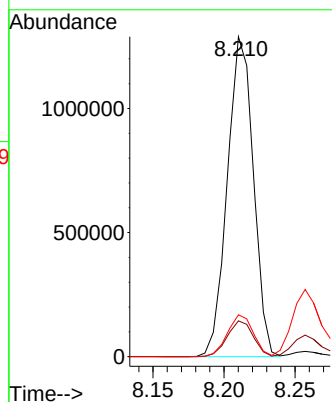
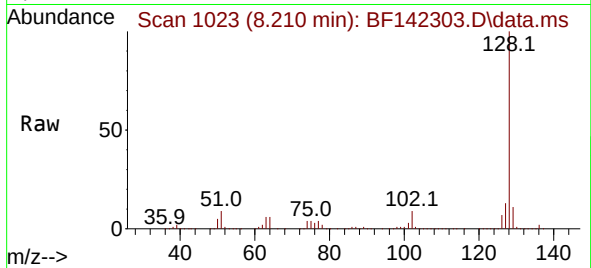




#31
Naphthalene
Concen: 37.992 ng
RT: 8.210 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

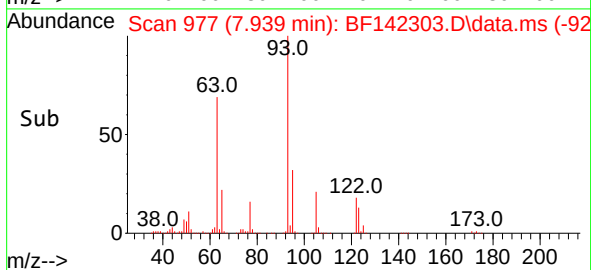
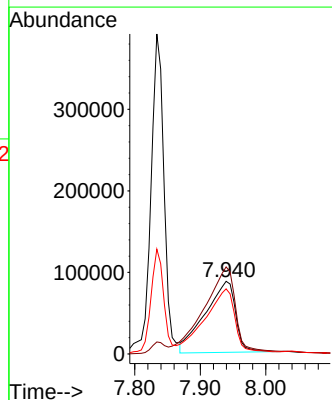
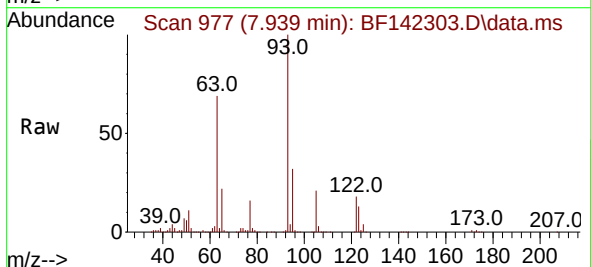
Instrument :
BNA_F
ClientSampleId :
ICVBF050525

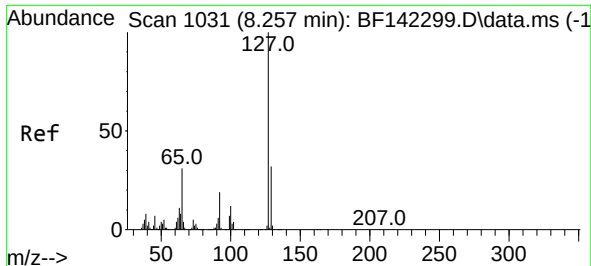
Tgt Ion:128 Resp: 1645769
Ion Ratio Lower Upper
128 100
129 11.2 9.1 13.7
127 13.1 10.5 15.7



#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



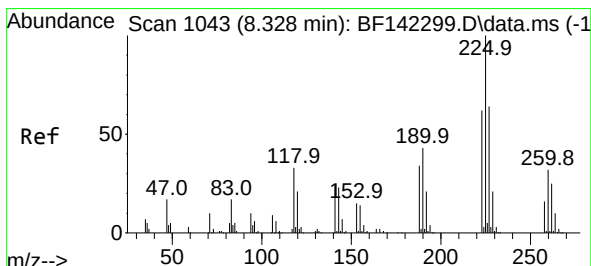
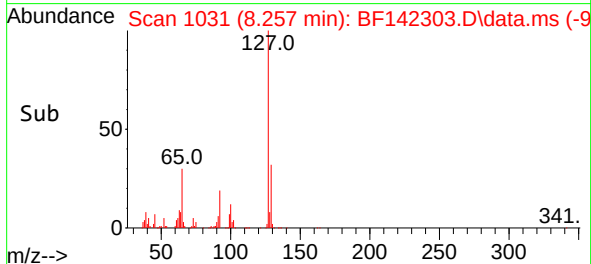
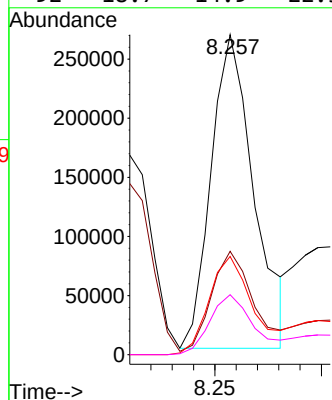
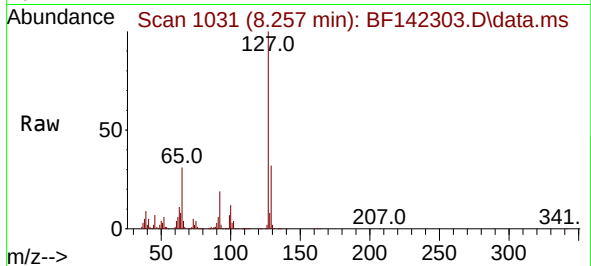


#33
4-Chloroaniline
Concen: 20.954 ng
RT: 8.257 min Scan# 1031
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

Instrument :
BNA_F
ClientSampleId :
ICVBF050525

Tgt Ion:127 Resp: 370214

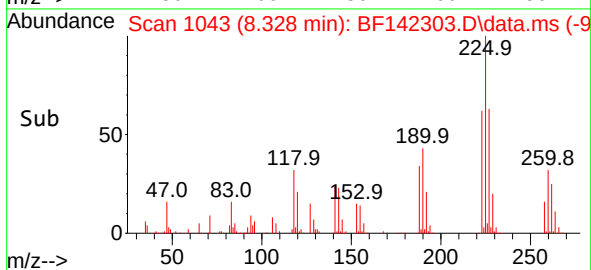
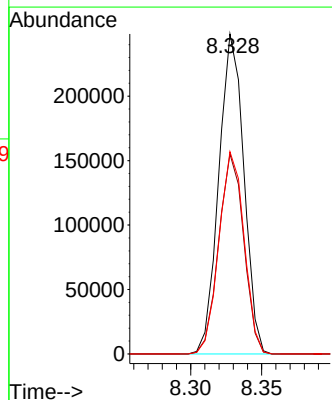
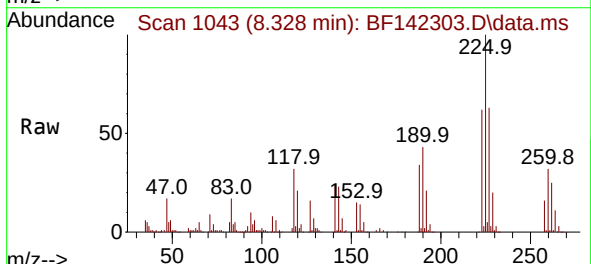
Ion	Ratio	Lower	Upper
127	100		
129	32.3	25.7	38.5
65	30.7	24.9	37.3
92	18.7	14.9	22.3

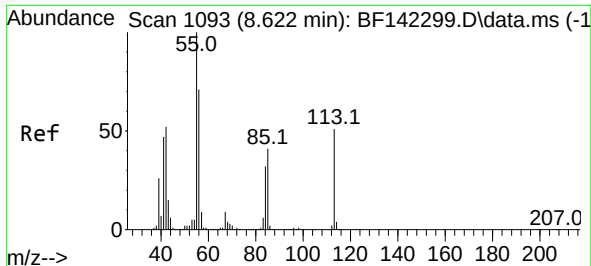


#34
Hexachlorobutadiene
Concen: 38.512 ng
RT: 8.328 min Scan# 1043
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

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

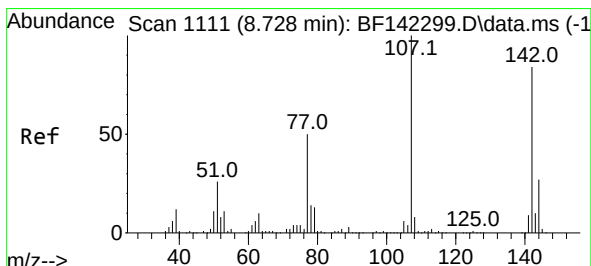
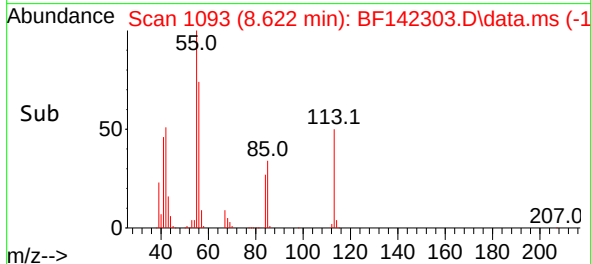
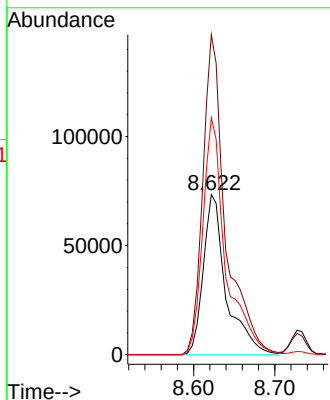
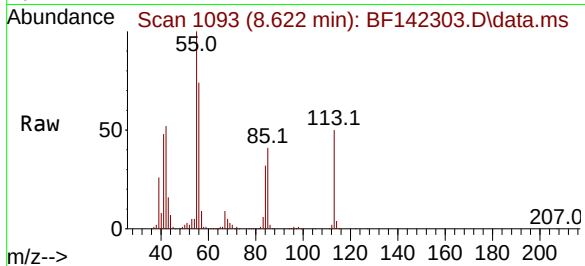




#35
 Caprolactam
 Concen: 41.494 ng
 RT: 8.622 min Scan# 1093
 Delta R.T. -0.000 min
 Lab File: BF142303.D
 Acq: 05 May 2025 18:13

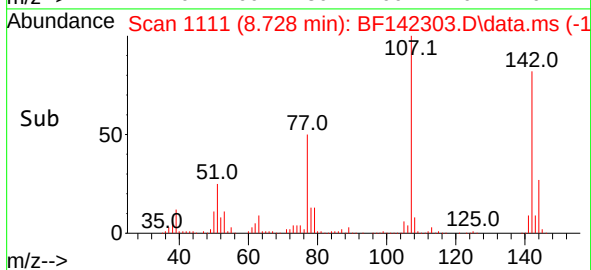
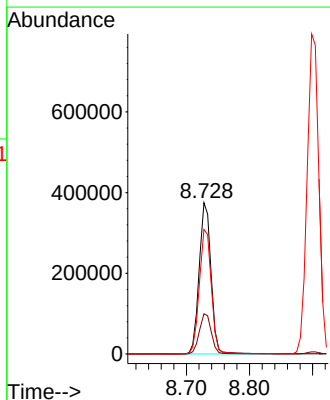
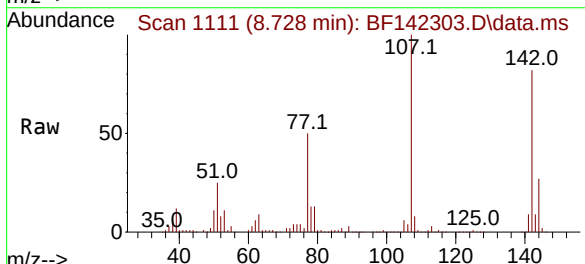
Instrument :
 BNA_F
 ClientSampleId :
 ICVBF050525

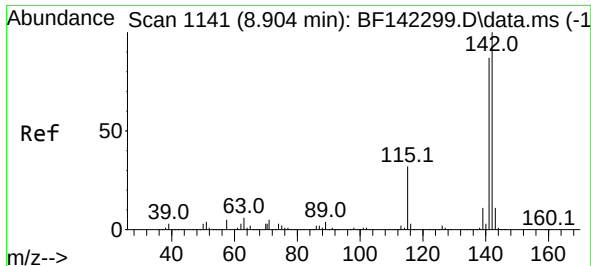
Tgt Ion:113 Resp: 143456
 Ion Ratio Lower Upper
 113 100
 55 199.9 176.4 216.4
 56 148.0 120.3 160.3



#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# 1140

Delta R.T. -0.006 min

Lab File: BF142303.D

Acq: 05 May 2025 18:13

Instrument :

BNA_F

ClientSampleId :

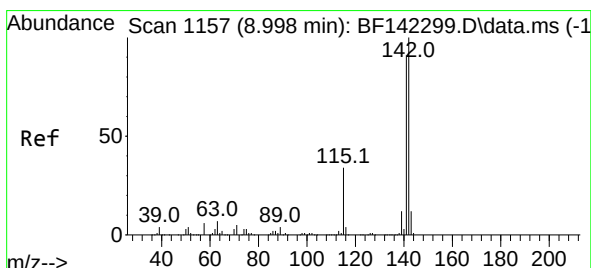
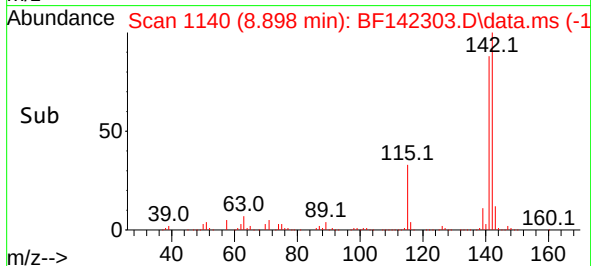
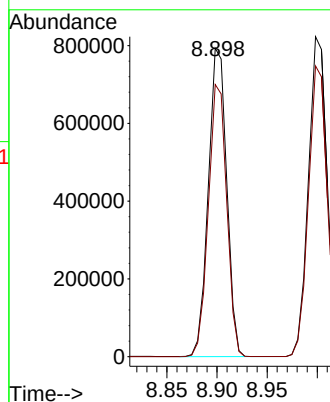
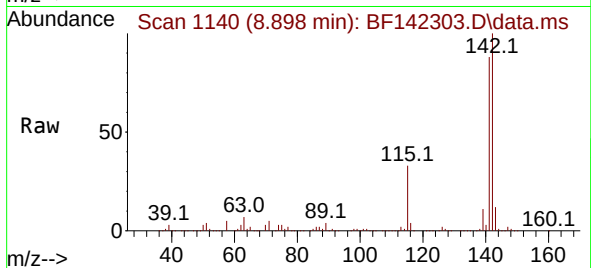
ICVBF050525

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

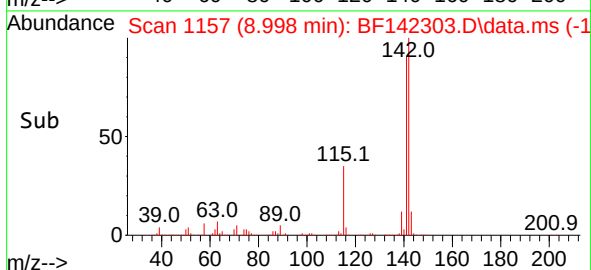
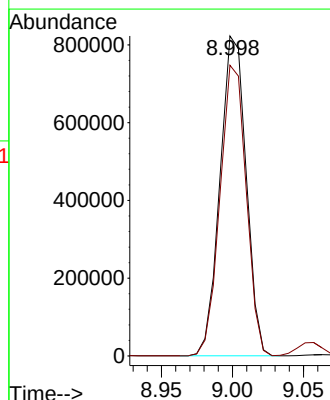
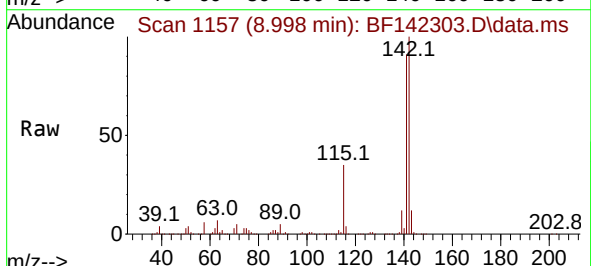
Acq: 05 May 2025 18:13

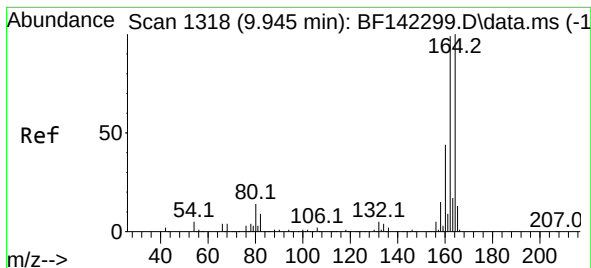
Tgt Ion:142 Resp: 1052686

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# 1118

Delta R.T. 0.000 min

Lab File: BF142303.D

Acq: 05 May 2025 18:13

Instrument :

BNA_F

ClientSampleId :

ICVBF050525

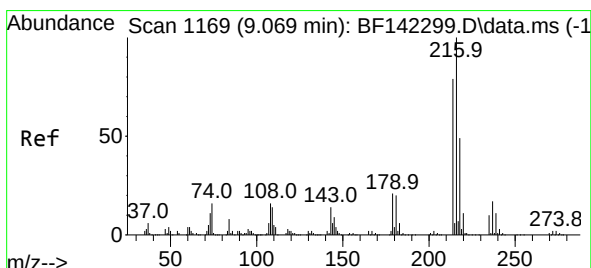
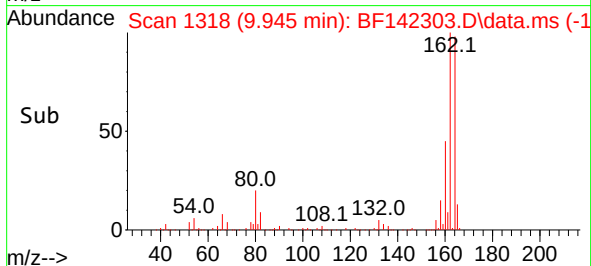
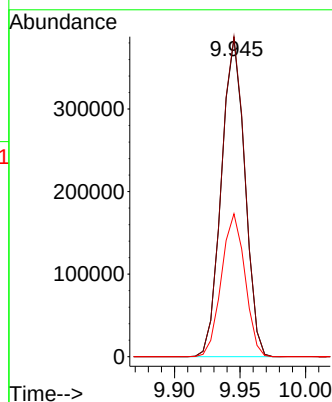
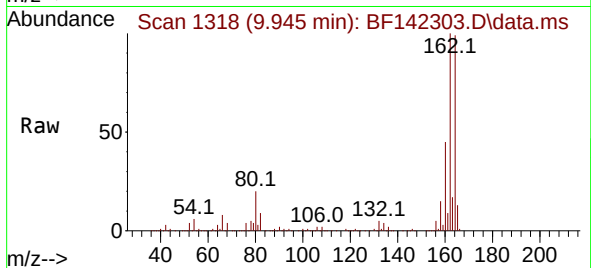
Tgt Ion:164 Resp: 478877

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

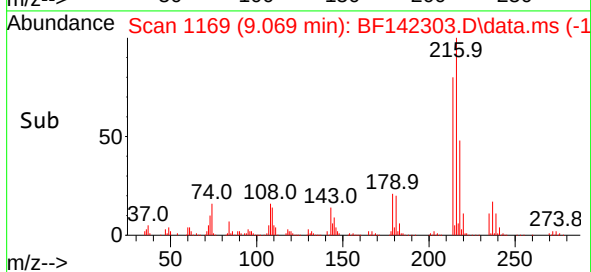
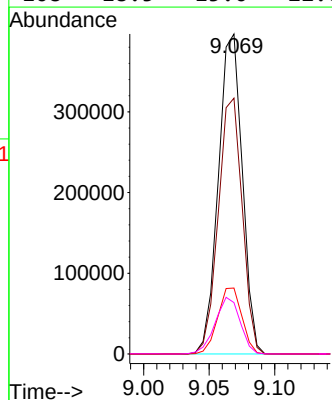
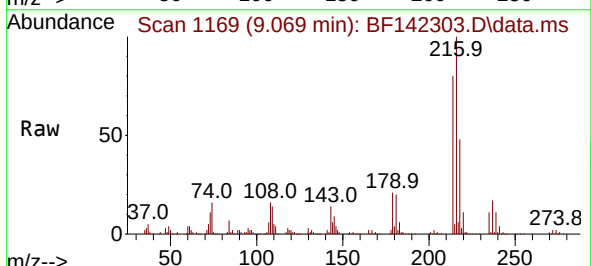
Ion Ratio Lower Upper

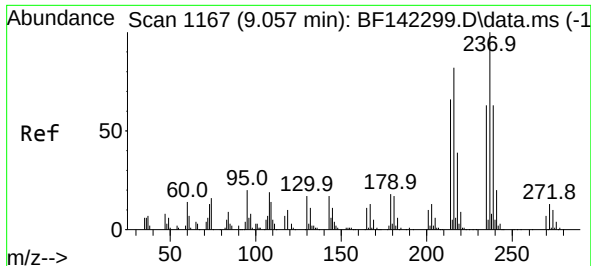
216 100

214 80.0 63.8 95.6

179 20.8 17.0 25.6

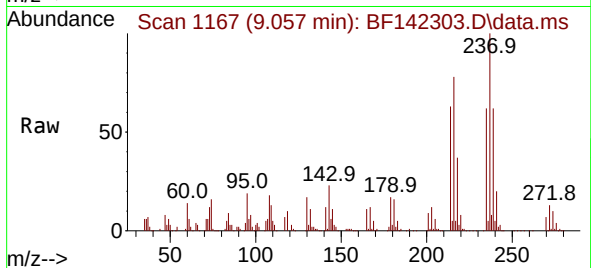
108 18.5 15.0 22.6



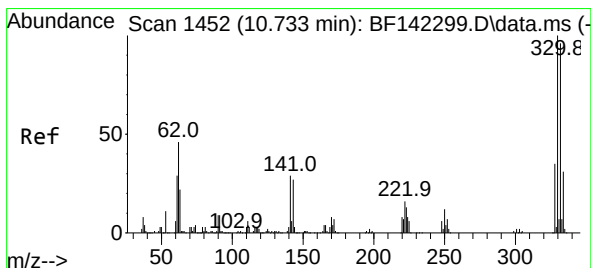
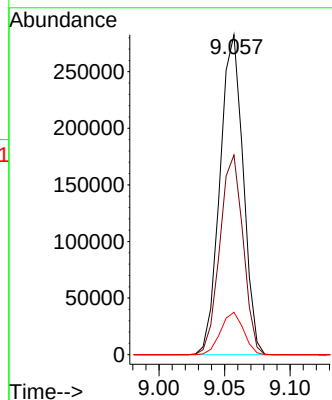
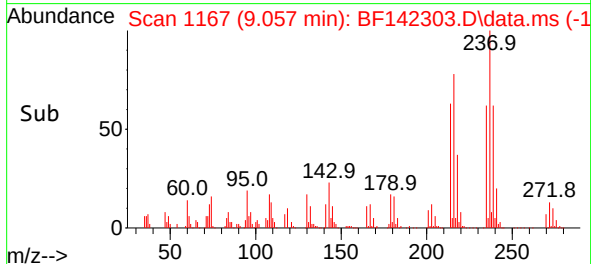


#41
Hexachlorocyclopentadiene
Concen: 42.020 ng
RT: 9.057 min Scan# 1167
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

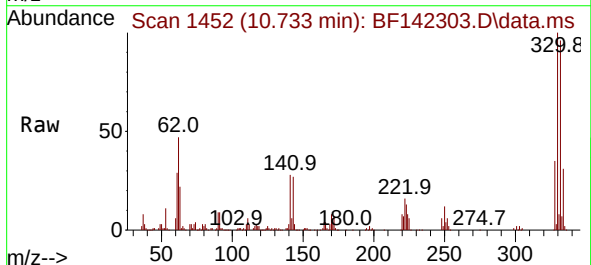
Instrument :
BNA_F
ClientSampleId :
ICVBF050525



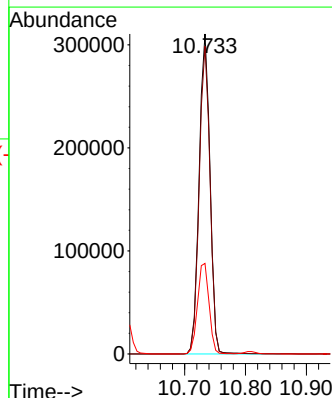
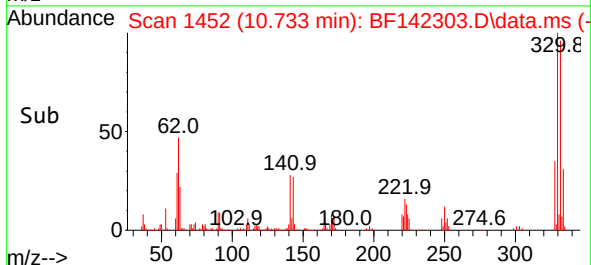
Tgt Ion:237 Resp: 347327
Ion Ratio Lower Upper
237 100
235 62.4 42.8 82.8
272 13.3 0.0 33.0

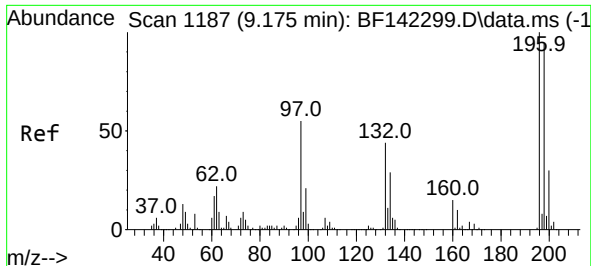


#42
2,4,6-Tribromophenol
Concen: 83.209 ng
RT: 10.733 min Scan# 1452
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13



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# 1187

Delta R.T. -0.000 min

Lab File: BF142303.D

Acq: 05 May 2025 18:13

Instrument :

BNA_F

ClientSampleId :

ICVBF050525

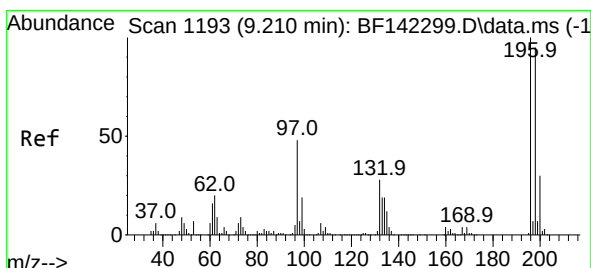
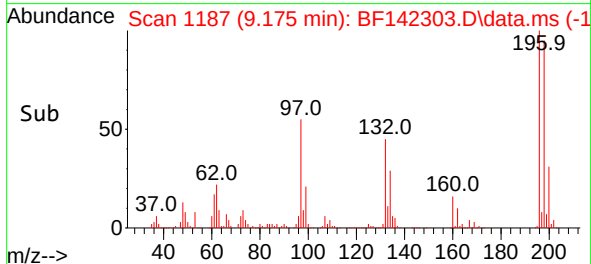
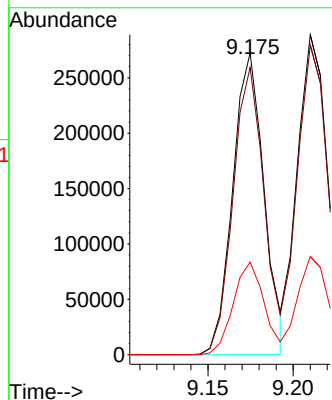
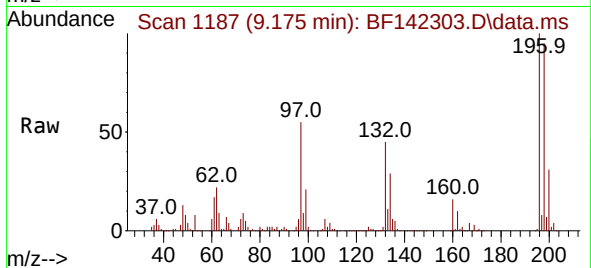
Tgt Ion:196 Resp: 347673

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

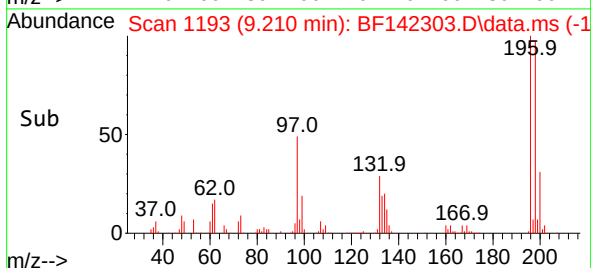
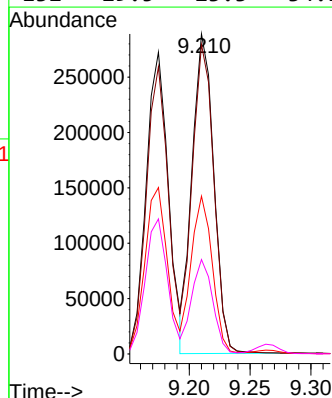
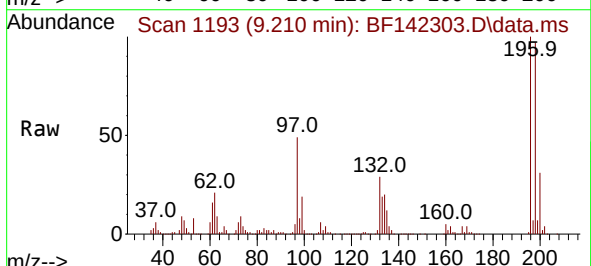
Ion Ratio Lower Upper

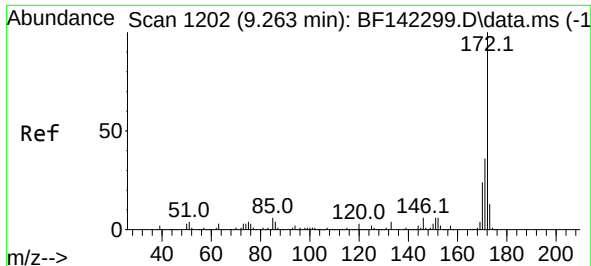
196 100

198 96.8 76.1 114.1

97 49.3 39.0 58.4

132 29.5 23.3 34.9

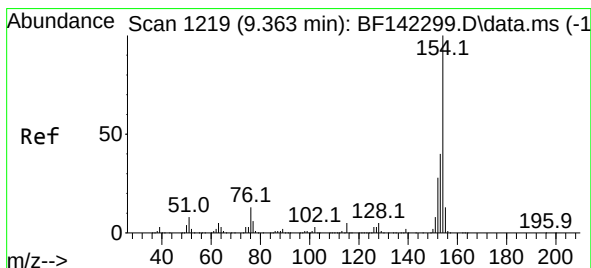
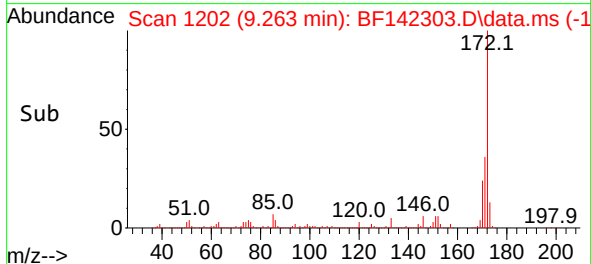
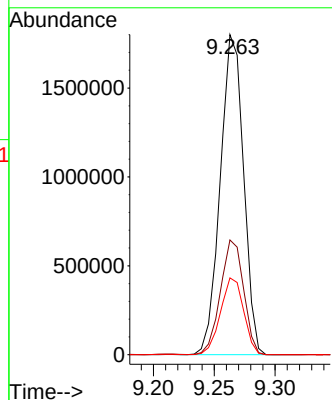
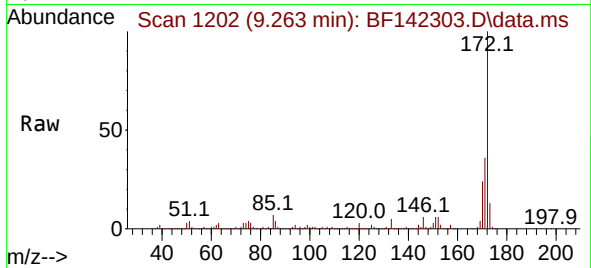




#45
2-Fluorobiphenyl
Concen: 71.371 ng
RT: 9.263 min Scan# 1202
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

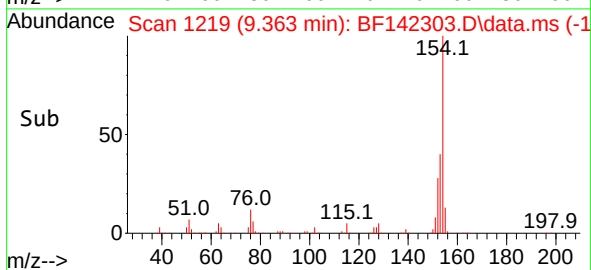
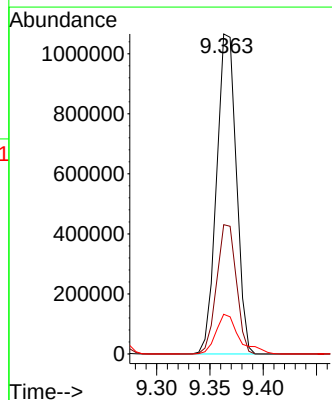
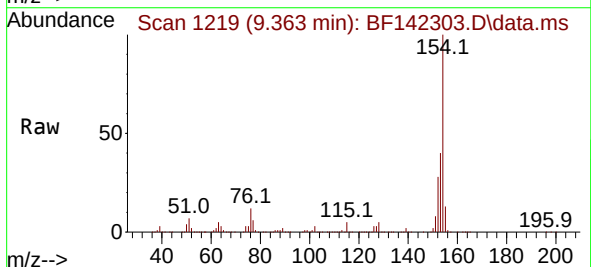
Instrument :
BNA_F
ClientSampleId :
ICVBF050525

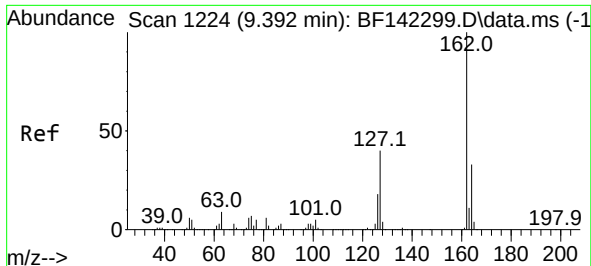
Tgt Ion:172 Resp: 2396964
Ion Ratio Lower Upper
172 100
171 35.8 28.6 42.8
170 24.0 19.0 28.4



#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

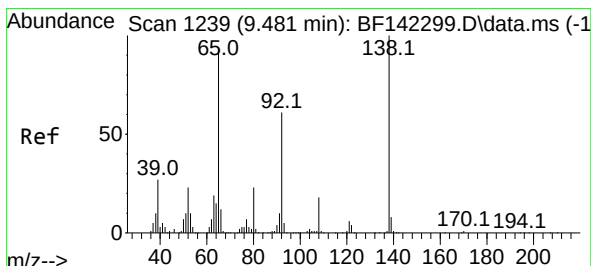
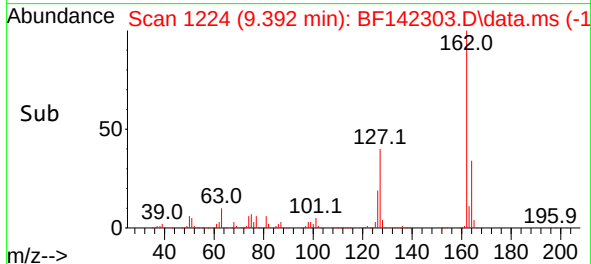
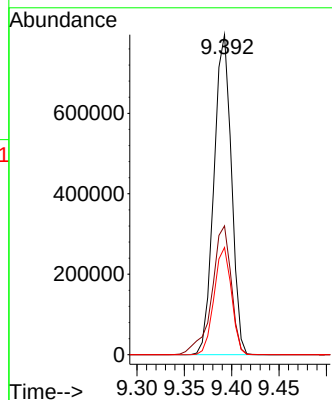
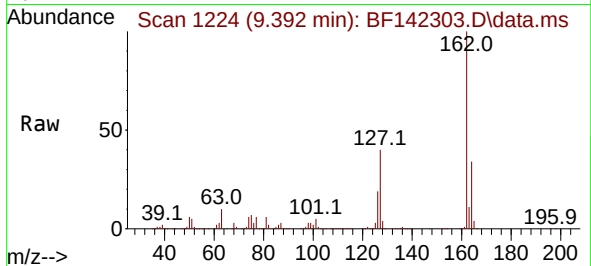




#47
2-Chloronaphthalene
Concen: 37.323 ng
RT: 9.392 min Scan# 1224
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

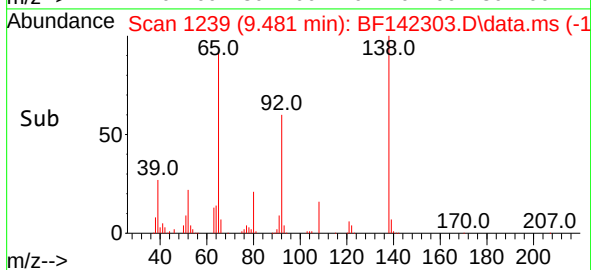
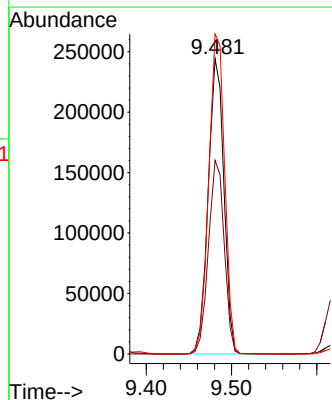
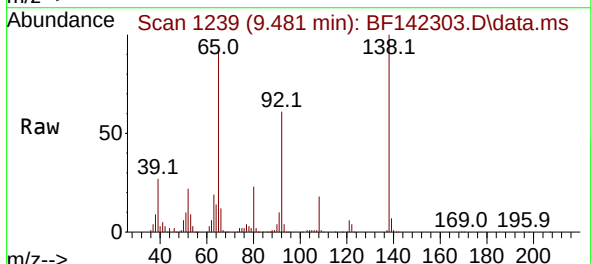
Instrument :
BNA_F
ClientSampleId :
ICVBF050525

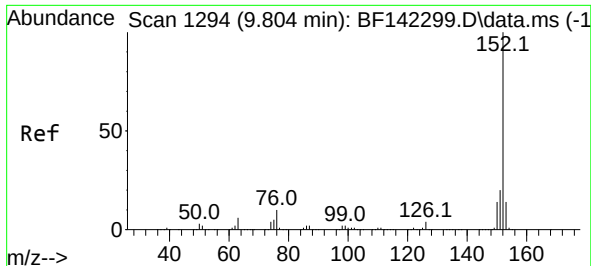
Tgt Ion:162 Resp: 1019130
Ion Ratio Lower Upper
162 100
127 40.3 32.3 48.5
164 33.5 26.6 40.0



#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

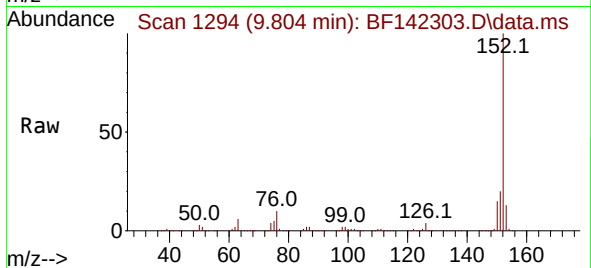
Tgt Ion: 65 Resp: 312727
Ion Ratio Lower Upper
65 100
92 65.6 52.3 78.5
138 108.3 85.6 128.4



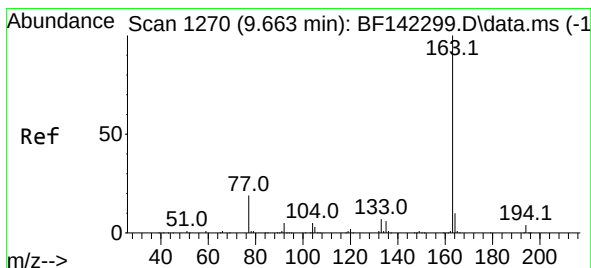
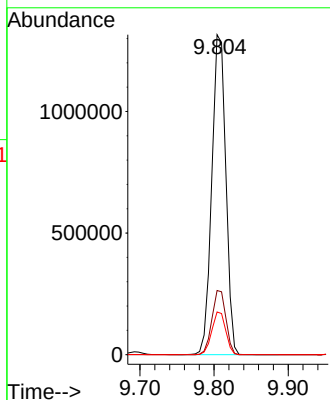
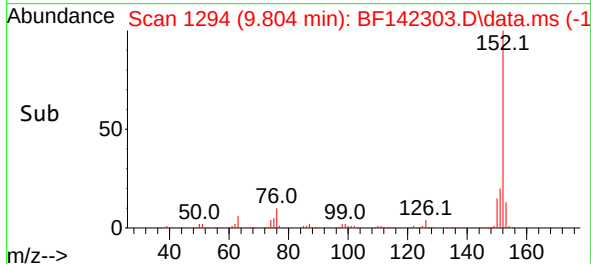


#49
Acenaphthylene
Concen: 37.833 ng
RT: 9.804 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

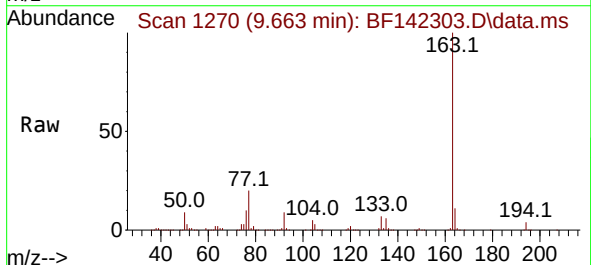
Instrument :
BNA_F
ClientSampleId :
ICVBF050525



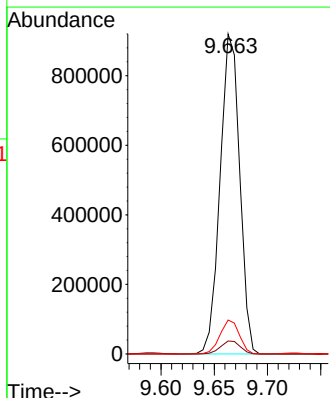
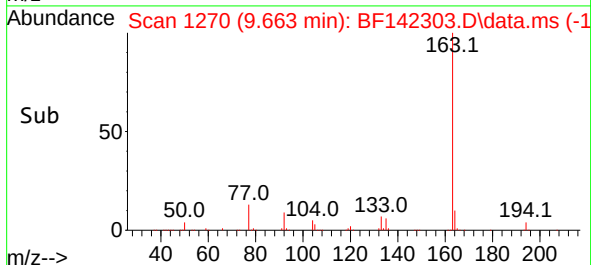
Tgt Ion:152 Resp: 1728165
Ion Ratio Lower Upper
152 100
151 20.1 16.0 24.0
153 13.4 10.8 16.2

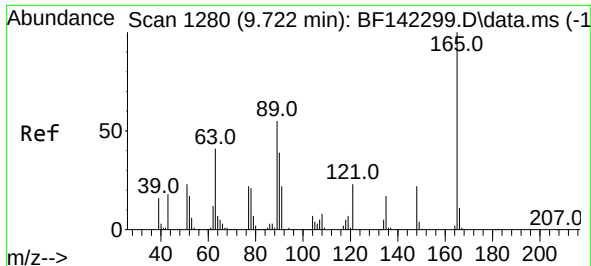


#50
Dimethylphthalate
Concen: 38.154 ng
RT: 9.663 min Scan# 1270
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13



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

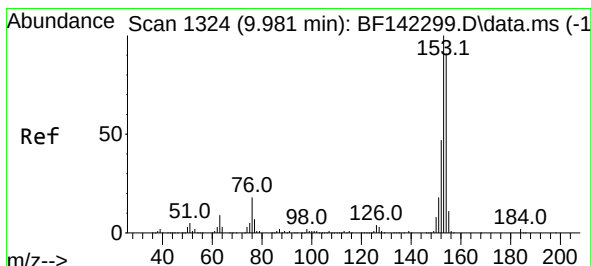
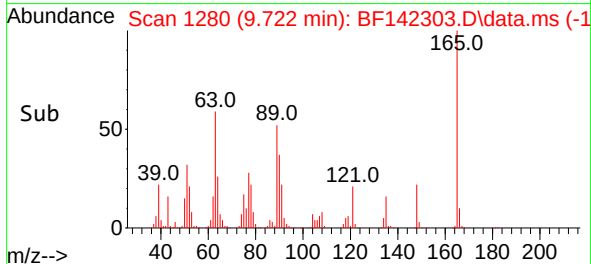
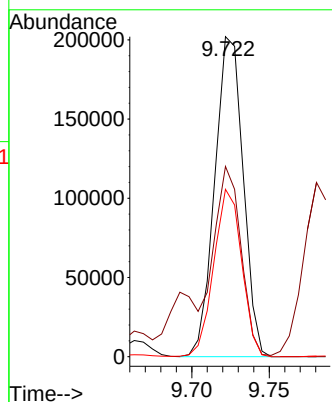
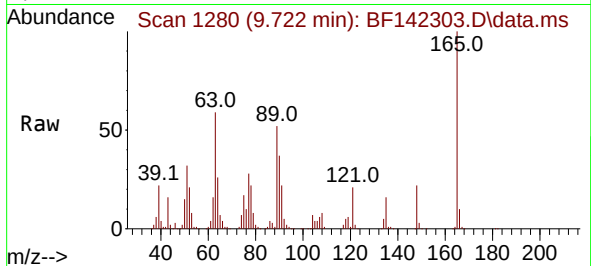




#51
2,6-Dinitrotoluene
Concen: 44.788 ng
RT: 9.722 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

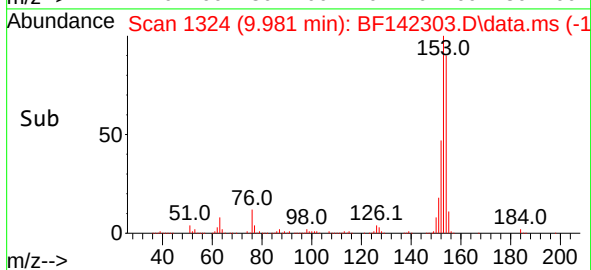
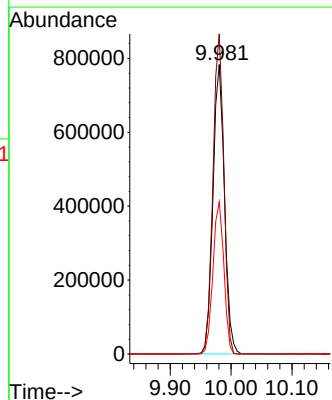
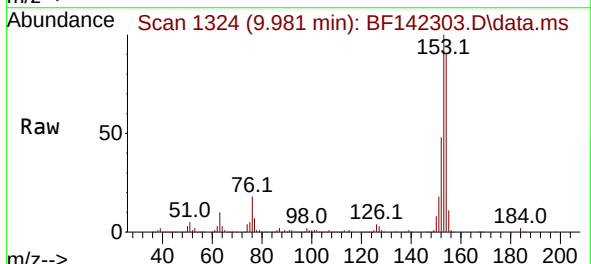
Instrument :
BNA_F
ClientSampleId :
ICVBF050525

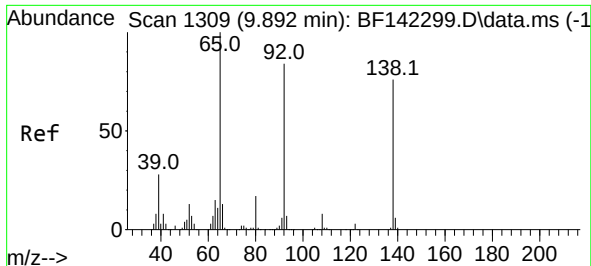
Tgt Ion:165 Resp: 257792
Ion Ratio Lower Upper
165 100
63 59.5 49.5 74.3
89 52.3 44.6 66.8



#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

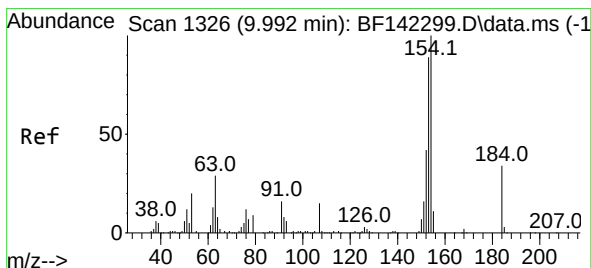
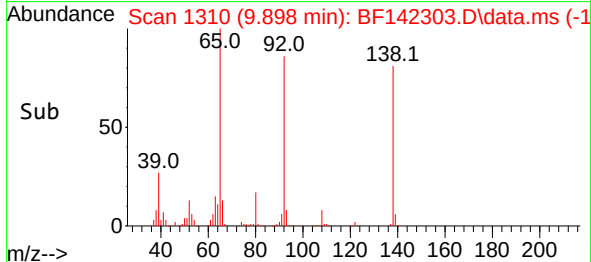
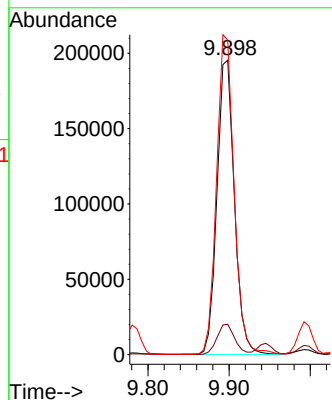
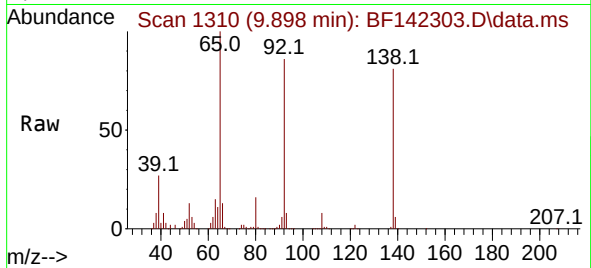




#53
3-Nitroaniline
Concen: 43.190 ng
RT: 9.898 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

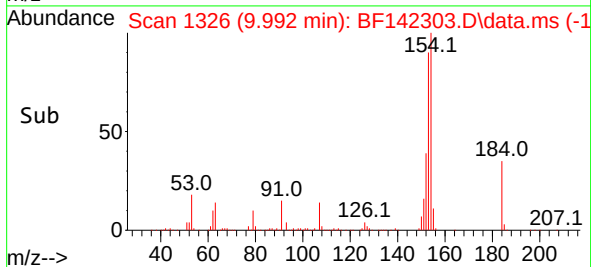
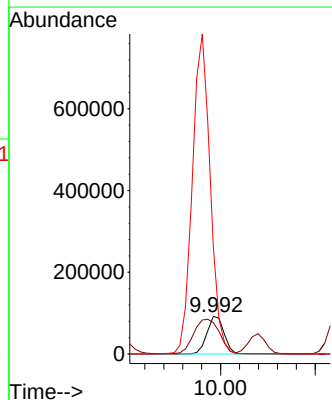
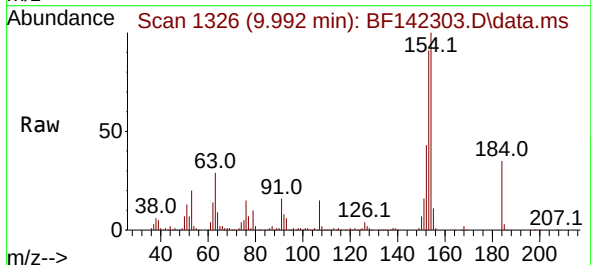
Instrument :
BNA_F
ClientSampleId :
ICVBF050525

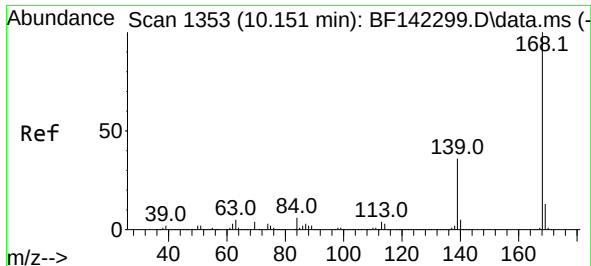
Tgt Ion:138 Resp: 291556
Ion Ratio Lower Upper
138 100
108 10.3 8.7 13.1
92 106.7 89.5 134.3



#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

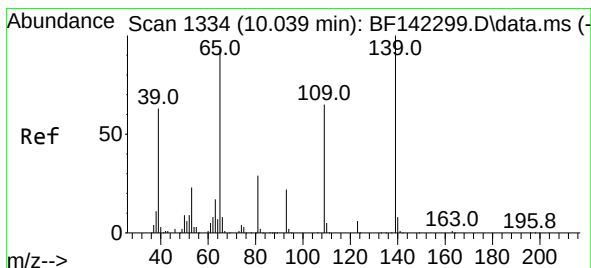
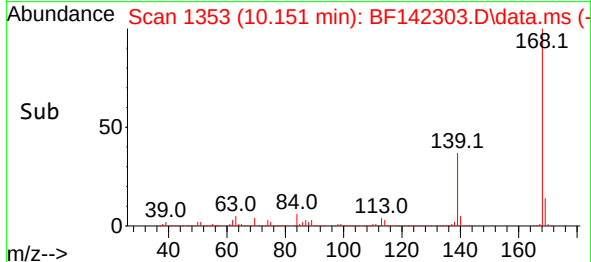
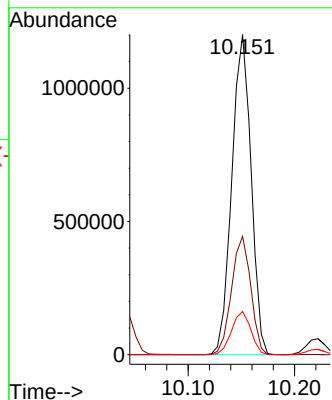
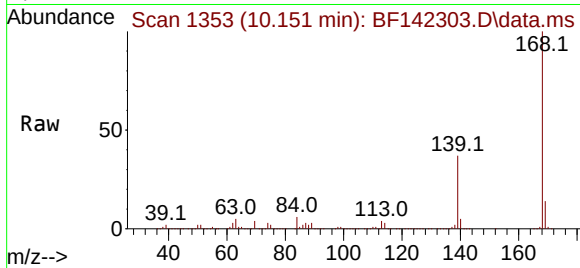




#55
Dibenzofuran
Concen: 37.158 ng
RT: 10.151 min Scan# 1353
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

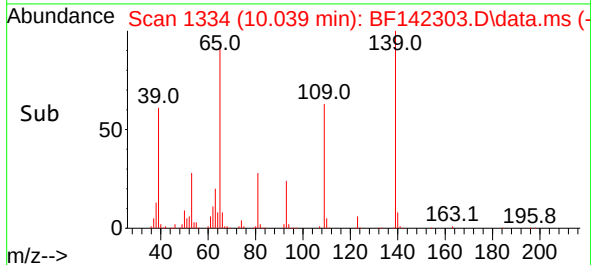
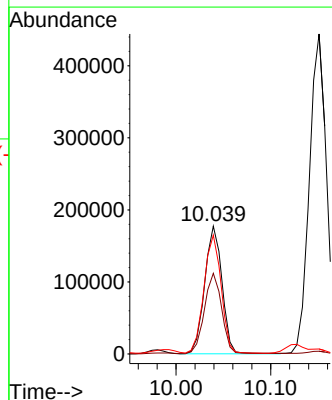
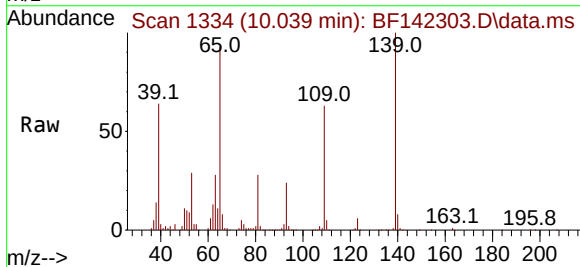
Instrument :
BNA_F
ClientSampleId :
ICVBF050525

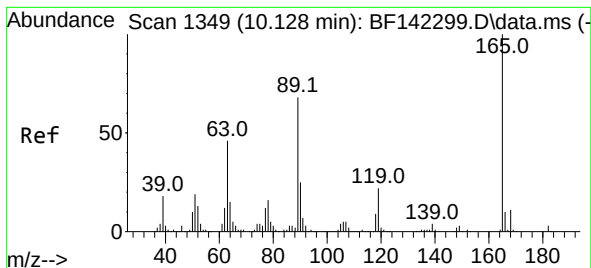
Tgt Ion:168 Resp: 1506186
Ion Ratio Lower Upper
168 100
139 37.0 29.0 43.4
169 13.5 10.7 16.1



#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

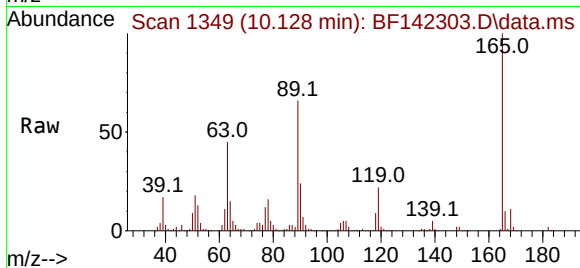
Tgt Ion:139 Resp: 225481
Ion Ratio Lower Upper
139 100
109 63.1 45.3 85.3
65 93.0 73.9 113.9



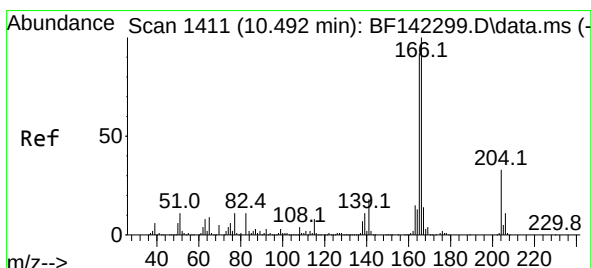
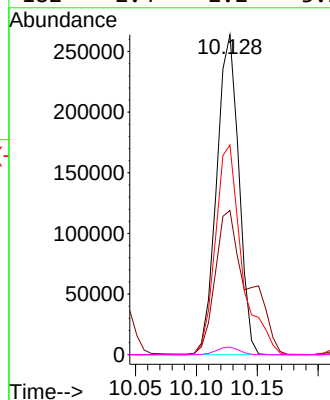
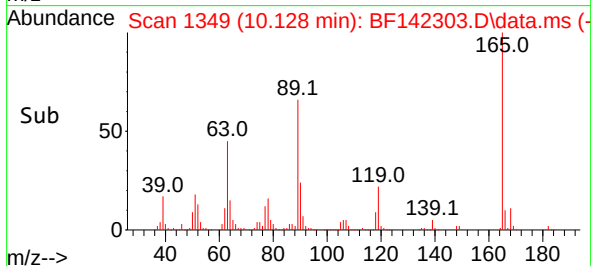


#57
2,4-Dinitrotoluene
Concen: 45.248 ng
RT: 10.128 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

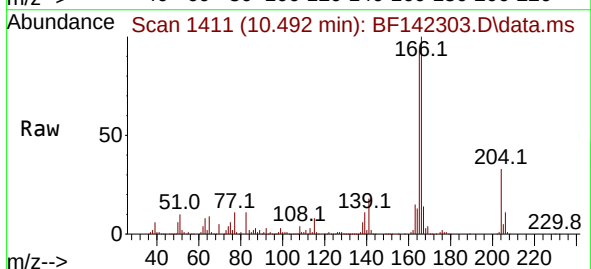
Instrument :
BNA_F
ClientSampleId :
ICVBF050525



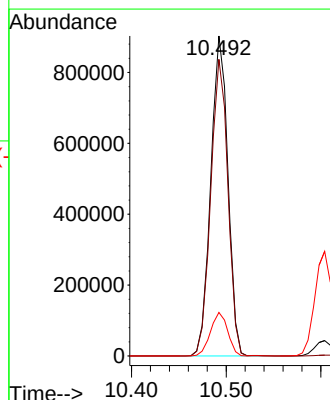
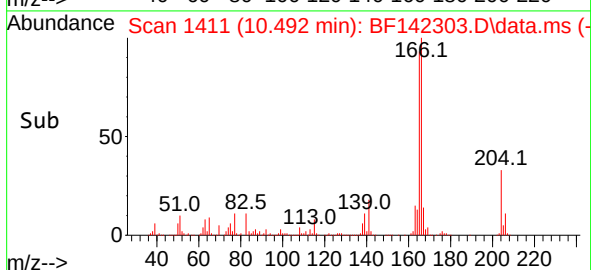
Tgt Ion:165 Resp: 334070
Ion Ratio Lower Upper
165 100
63 45.0 37.1 55.7
89 65.5 54.4 81.6
182 2.4 2.2 3.2

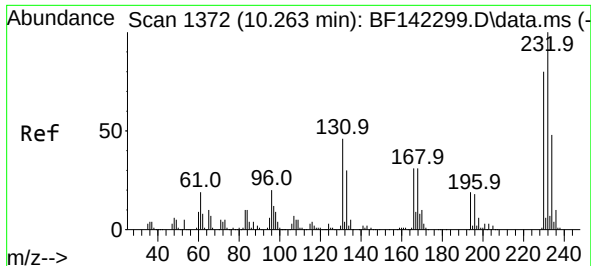


#58
Fluorene
Concen: 36.712 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13



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

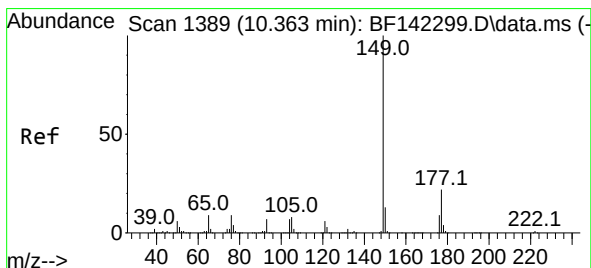
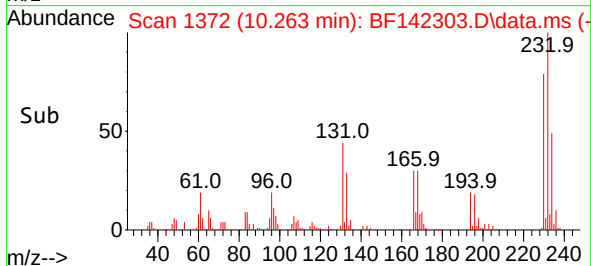
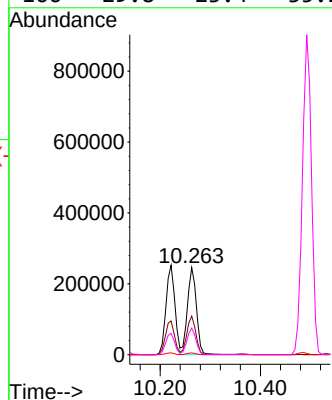
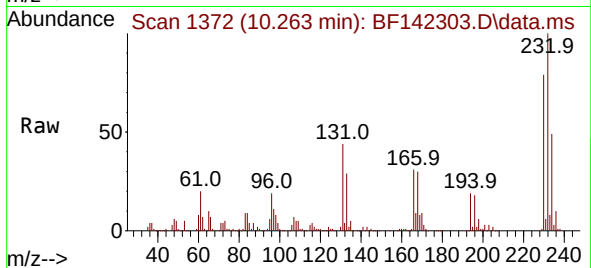




#59
2,3,4,6-Tetrachlorophenol
Concen: 41.630 ng
RT: 10.263 min Scan# 1372
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

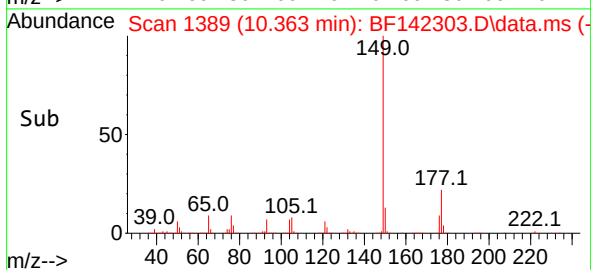
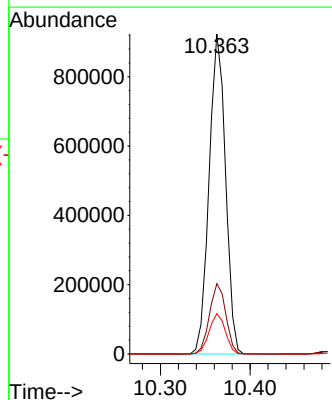
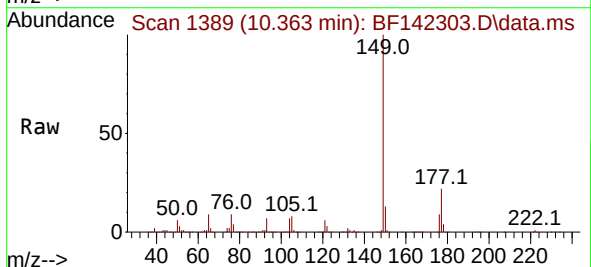
Instrument :
BNA_F
ClientSampleId :
ICVBF050525

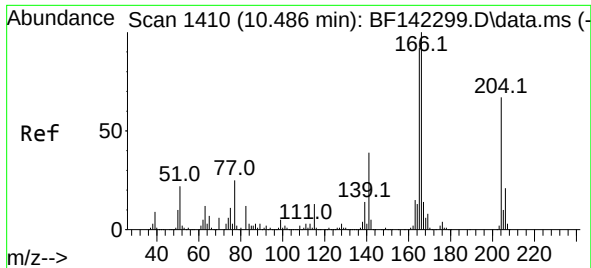
Tgt Ion:232 Resp: 308477
Ion Ratio Lower Upper
232 100
131 44.2 36.0 54.0
130 2.0 1.8 2.6
166 29.8 23.4 35.2



#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

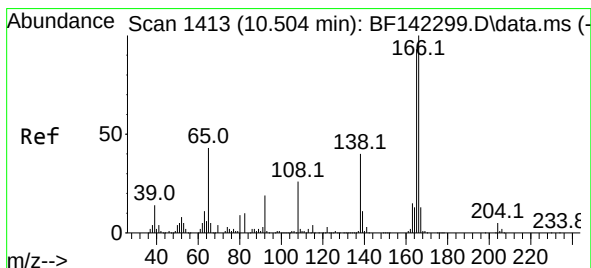
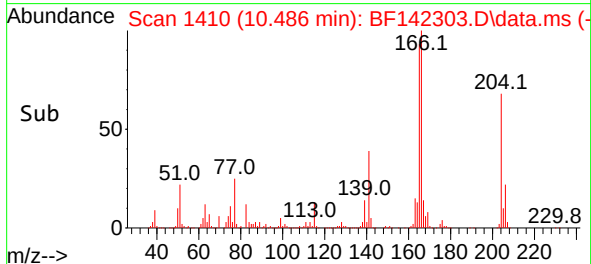
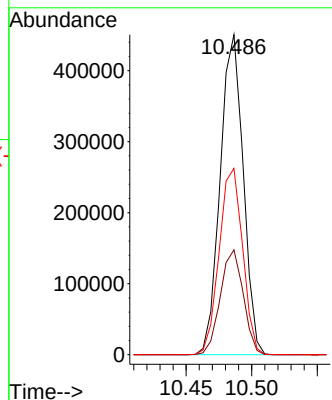
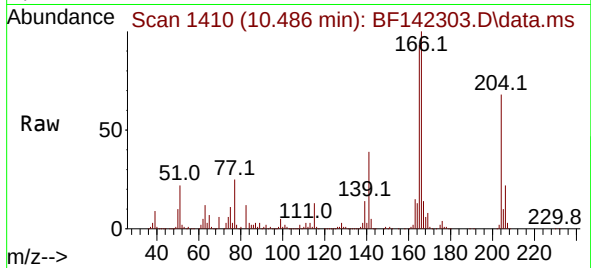




#61
4-Chlorophenyl-phenylether
Concen: 36.826 ng
RT: 10.486 min Scan# 1410
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

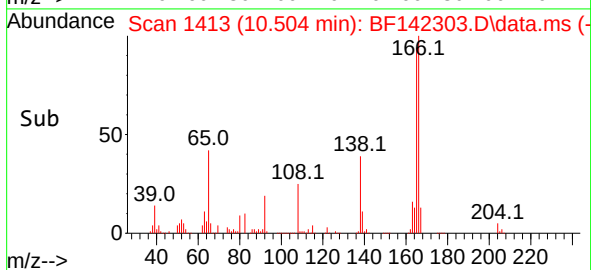
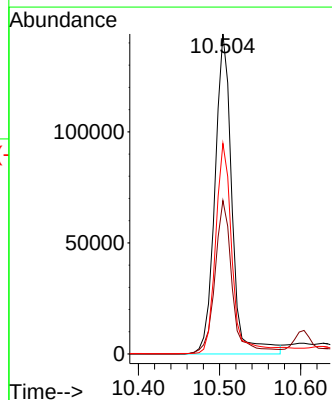
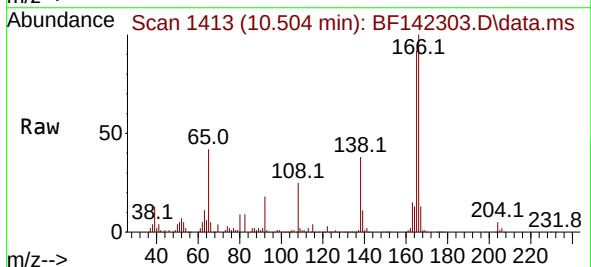
Instrument :
BNA_F
ClientSampleId :
ICVBF050525

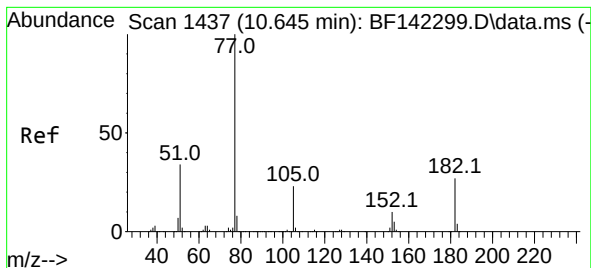
Tgt Ion:204 Resp: 549616
Ion Ratio Lower Upper
204 100
206 32.8 25.5 38.3
141 58.2 46.4 69.6



#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# 1437

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

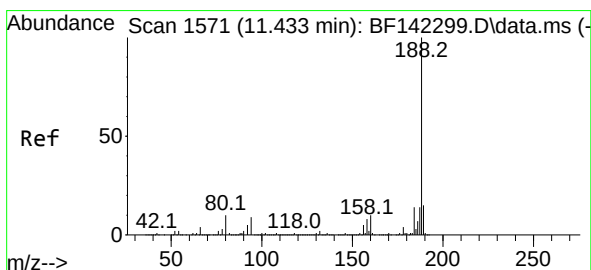
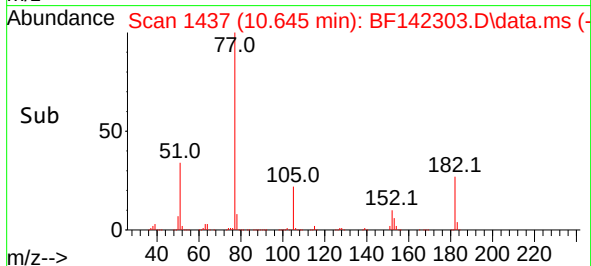
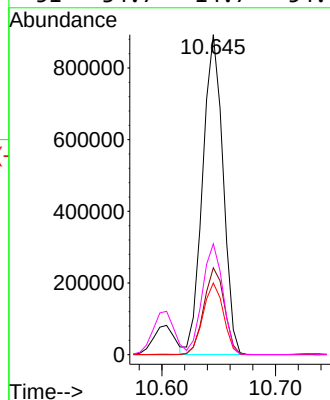
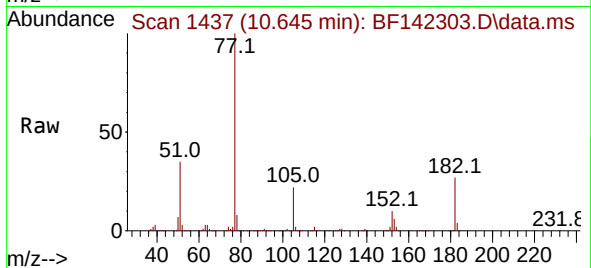
Ion Ratio Lower Upper

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

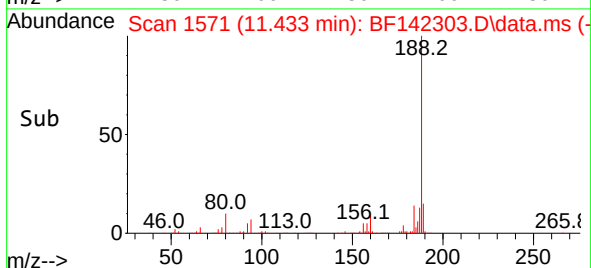
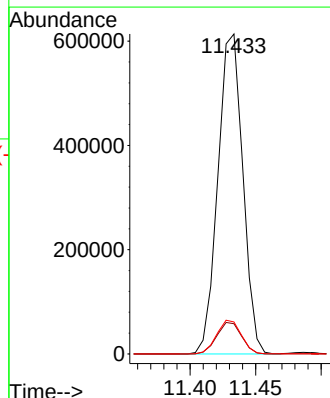
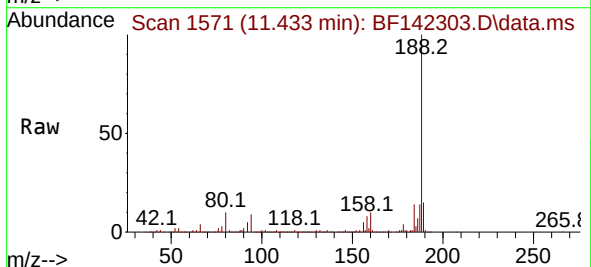
Tgt Ion:188 Resp: 810843

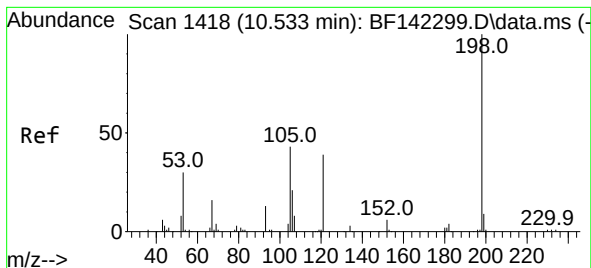
Ion Ratio Lower Upper

188 100

94 9.5 7.5 11.3

80 10.0 7.9 11.9

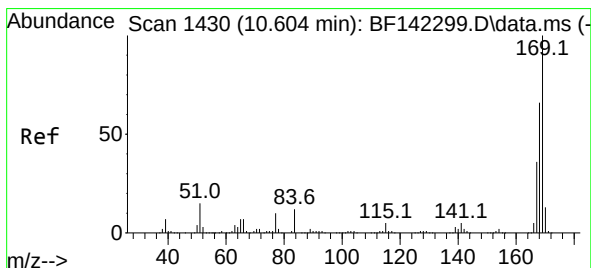
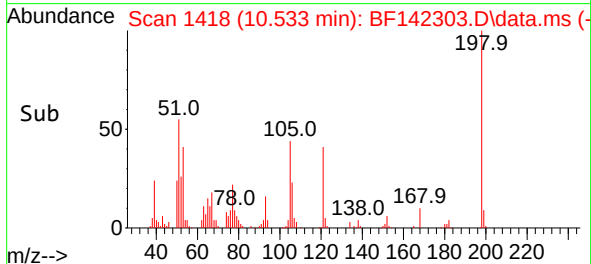
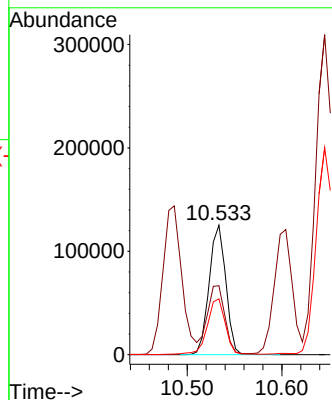
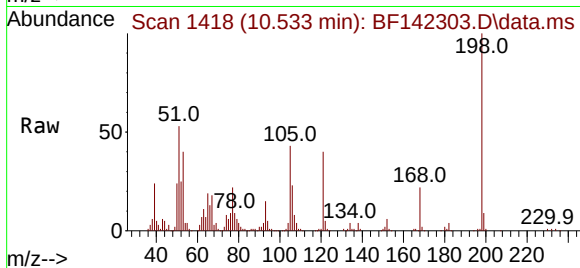




#65
4,6-Dinitro-2-methylphenol
Concen: 41.574 ng
RT: 10.533 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

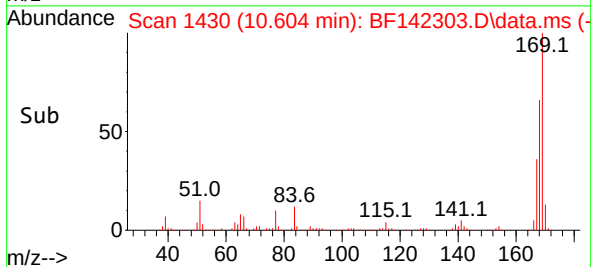
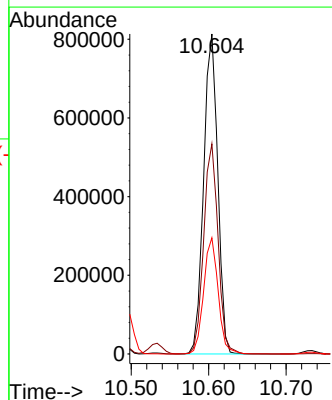
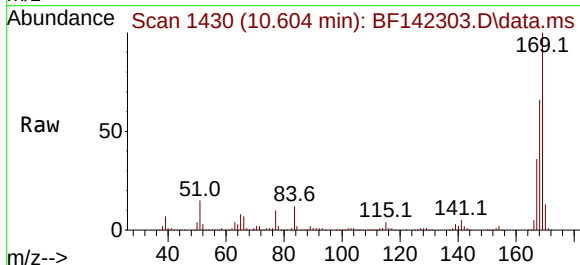
Instrument :
BNA_F
ClientSampleId :
ICVBF050525

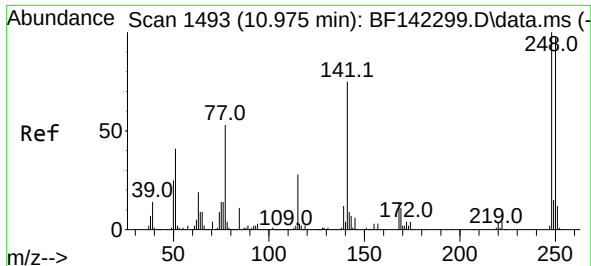
Tgt Ion:198 Resp: 152861
Ion Ratio Lower Upper
198 100
51 53.3 32.9 72.9
105 43.1 23.7 63.7



#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

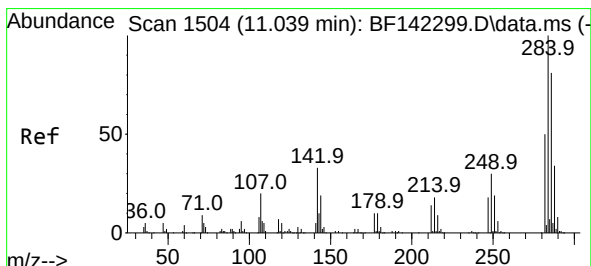
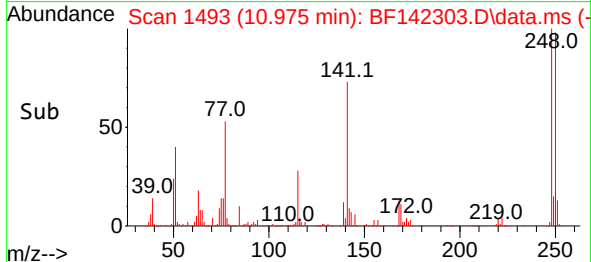
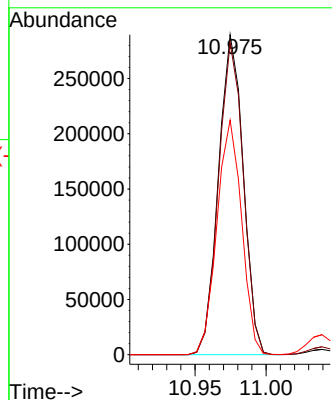
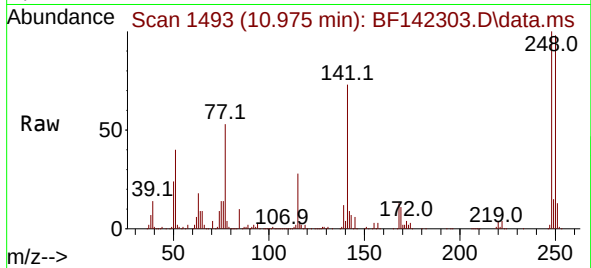




#67
4-Bromophenyl-phenylether
Concen: 38.308 ng
RT: 10.975 min Scan# 1493
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

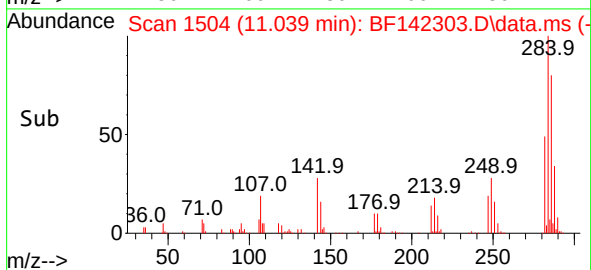
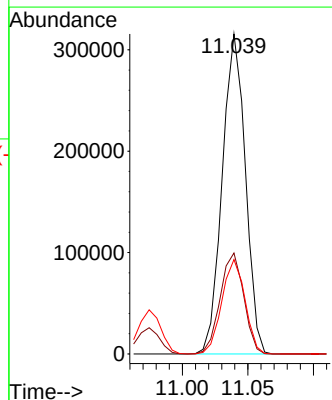
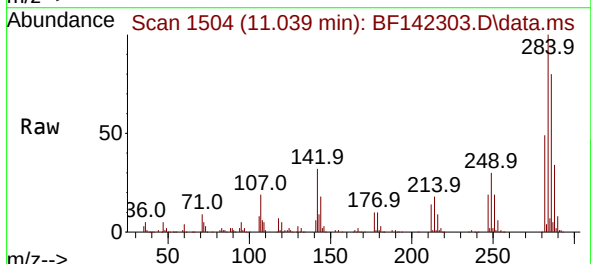
Instrument :
BNA_F
ClientSampleId :
ICVBF050525

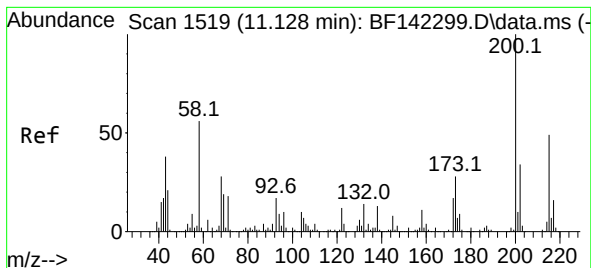
Tgt Ion:248 Resp: 352033
Ion Ratio Lower Upper
248 100
250 97.5 77.9 116.9
141 73.3 59.8 89.8



#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# 1519

Delta R.T. -0.000 min

Lab File: BF142303.D

Acq: 05 May 2025 18:13

Instrument :

BNA_F

ClientSampleId :

ICVBF050525

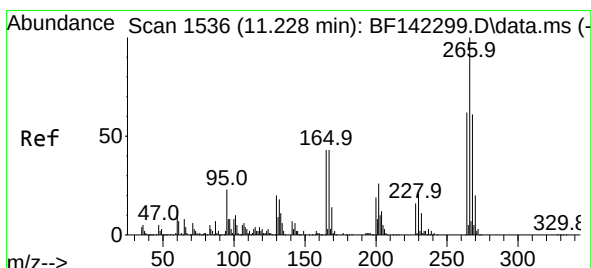
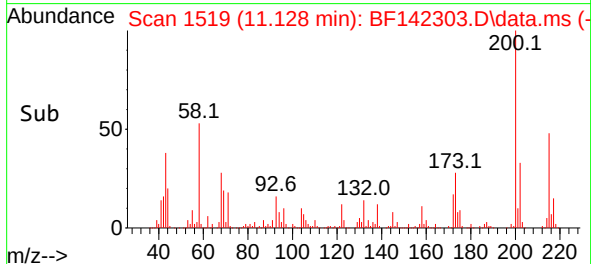
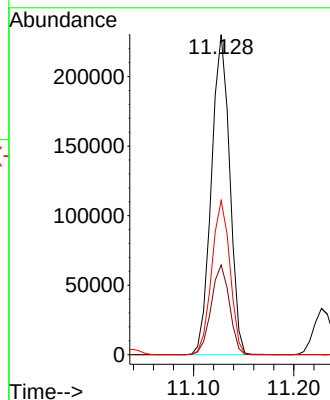
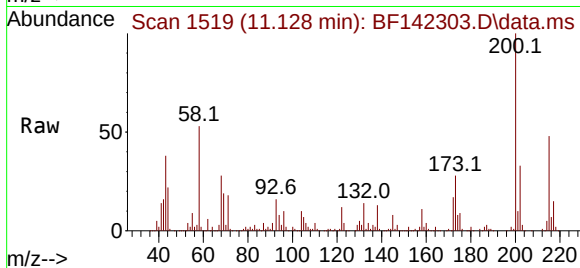
Tgt Ion:200 Resp: 291834

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

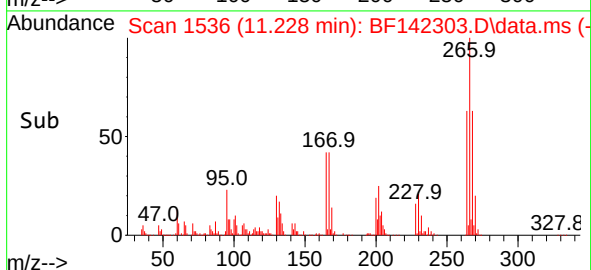
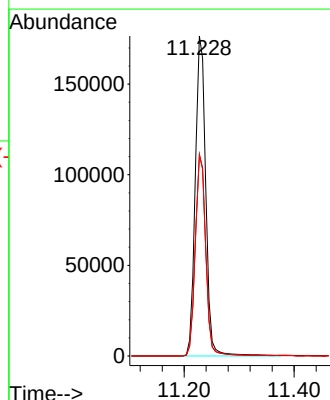
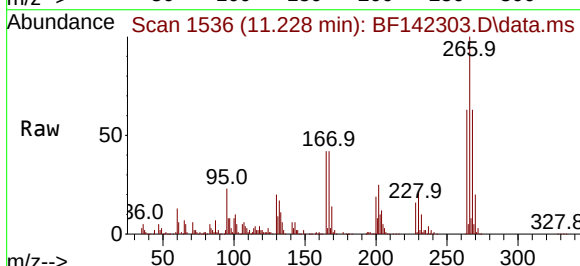
Tgt Ion:266 Resp: 233208

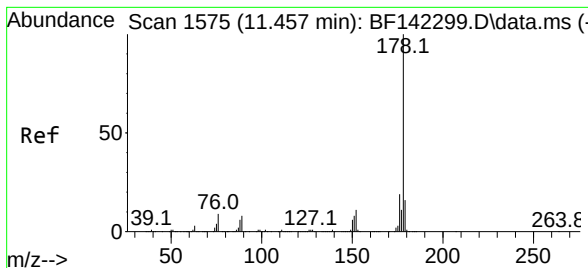
Ion Ratio Lower Upper

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# 1575

Delta R.T. -0.000 min

Lab File: BF142303.D

Acq: 05 May 2025 18:13

Instrument :

BNA_F

ClientSampleId :

ICVBF050525

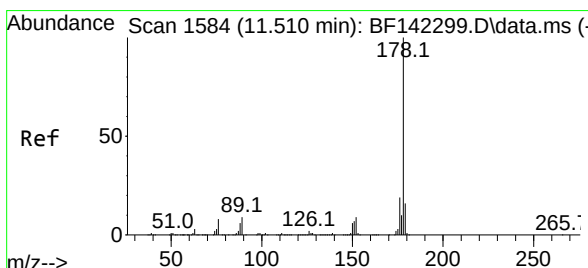
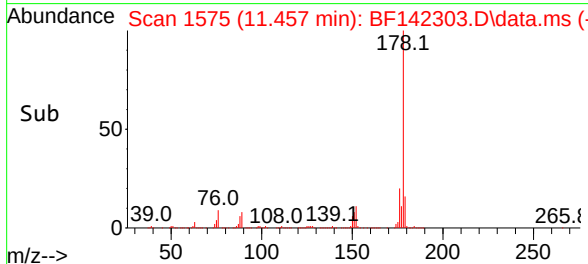
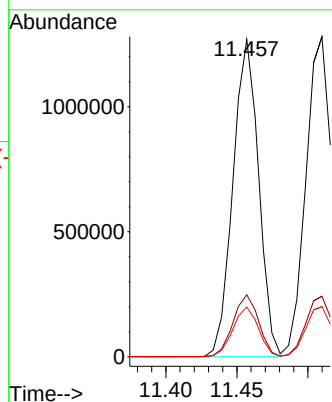
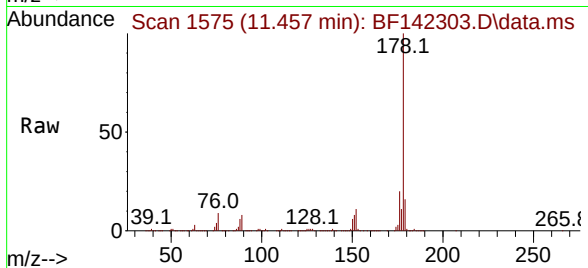
Tgt Ion:178 Resp: 1591319

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

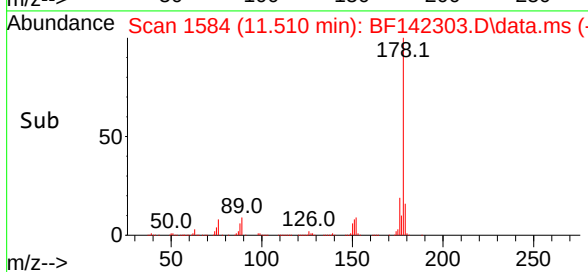
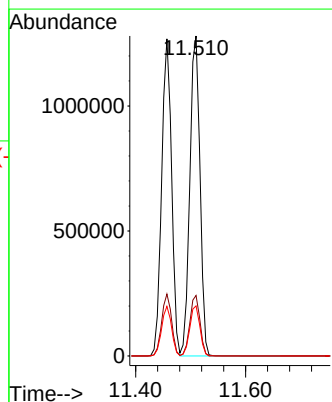
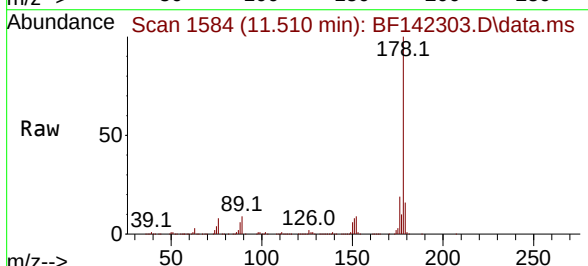
Tgt Ion:178 Resp: 1633756

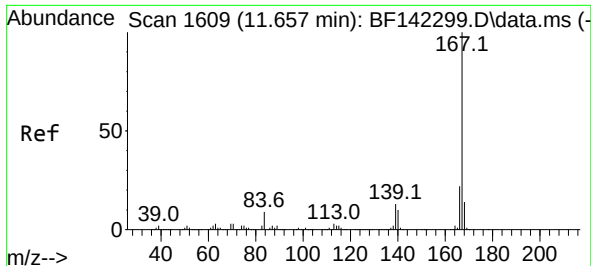
Ion Ratio Lower Upper

178 100

176 18.9 15.3 22.9

179 15.7 12.6 18.8



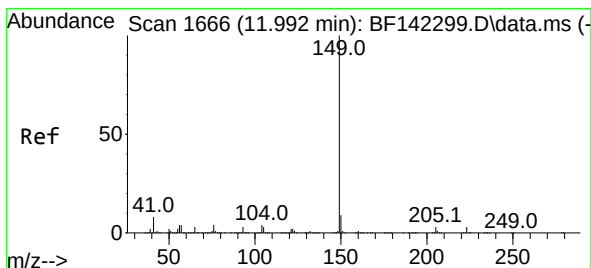
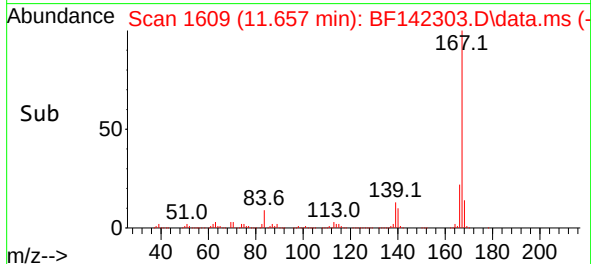
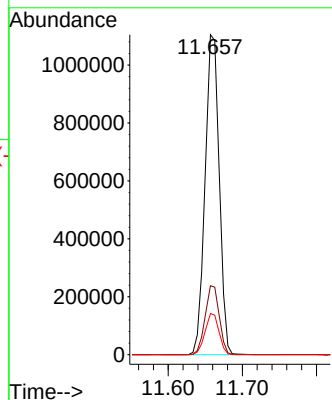
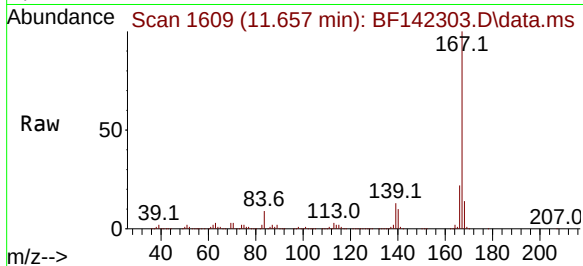


#73
 Carbazole
 Concen: 37.428 ng
 RT: 11.657 min Scan# 1609
 Delta R.T. -0.000 min
 Lab File: BF142303.D
 Acq: 05 May 2025 18:13

Instrument :
 BNA_F
 ClientSampleId :
 ICVBF050525

Tgt Ion:167 Resp: 1466436

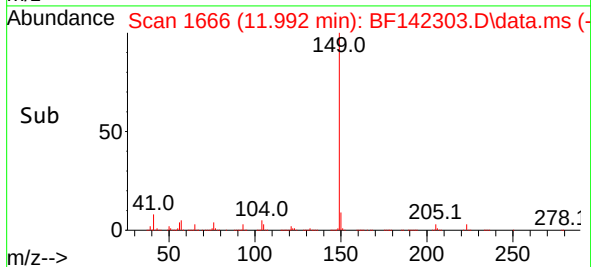
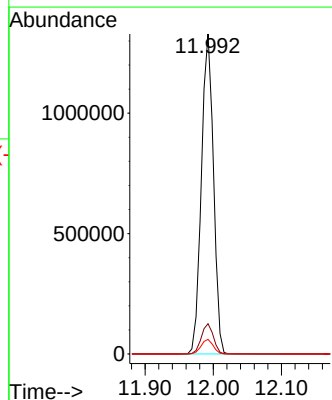
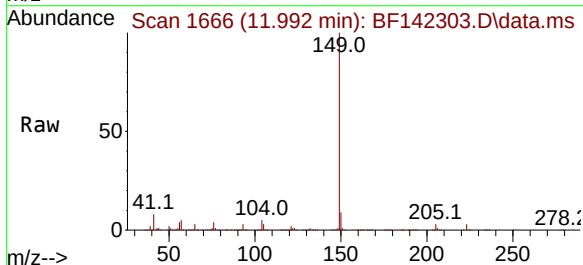
Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.2	25.8
139	12.9	10.3	15.5

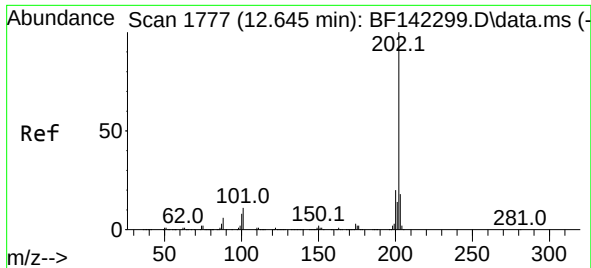


#74
 Di-n-butylphthalate
 Concen: 39.694 ng
 RT: 11.992 min Scan# 1666
 Delta R.T. -0.000 min
 Lab File: BF142303.D
 Acq: 05 May 2025 18:13

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

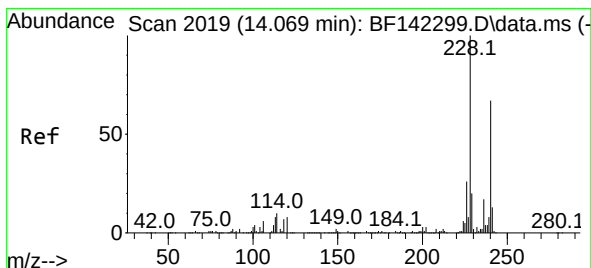
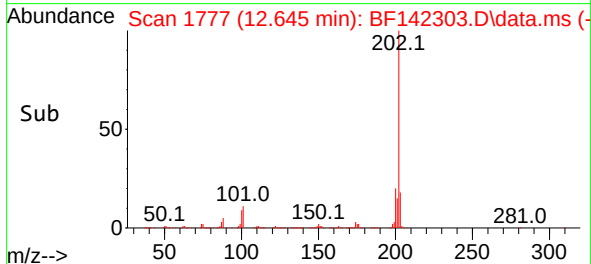
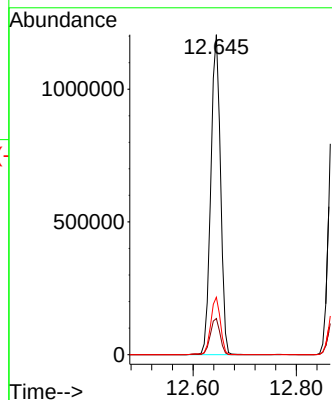
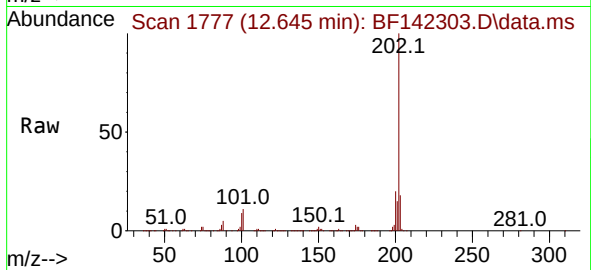




#75
Fluoranthene
Concen: 36.731 ng
RT: 12.645 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

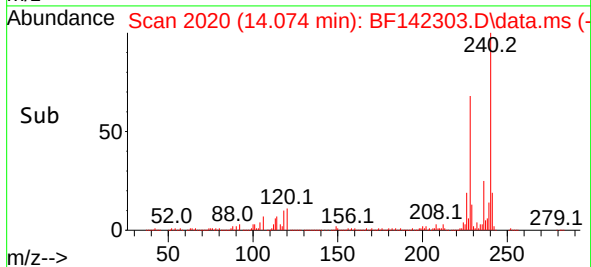
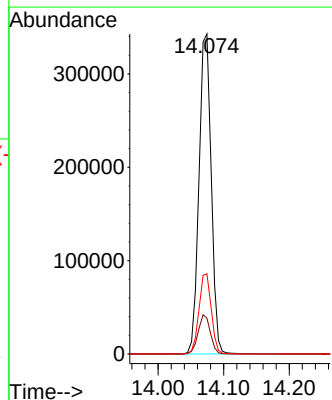
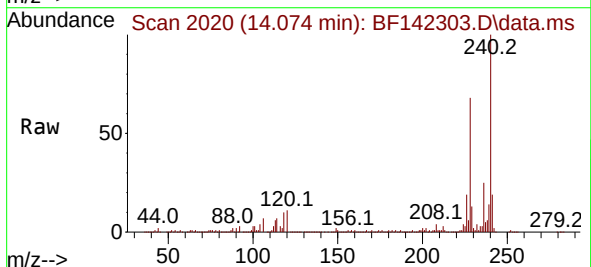
Instrument :
BNA_F
ClientSampleId :
ICVBF050525

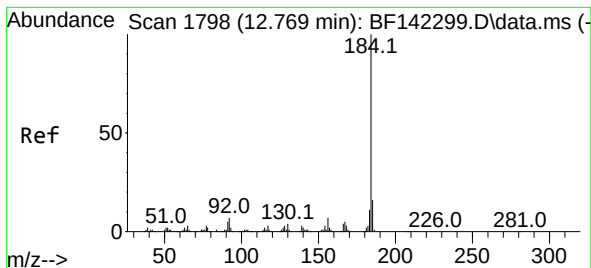
Tgt Ion:202 Resp: 1560552
Ion Ratio Lower Upper
202 100
101 11.3 0.0 31.4
203 18.0 0.0 37.9



#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# 11

Delta R.T. -0.000 min

Lab File: BF142303.D

Acq: 05 May 2025 18:13

Instrument :

BNA_F

ClientSampleId :

ICVBF050525

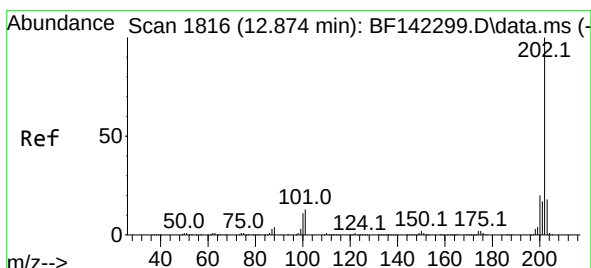
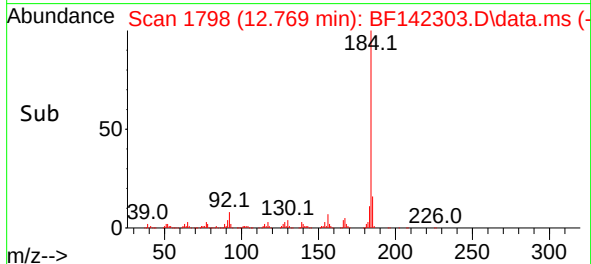
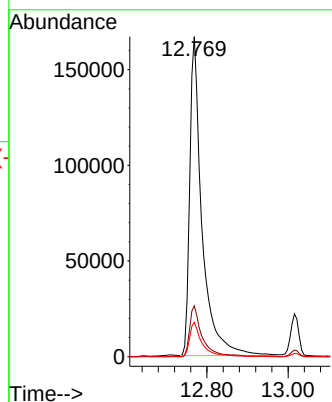
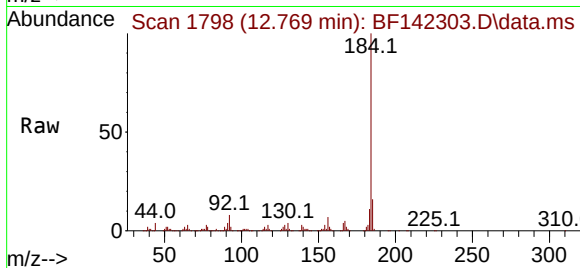
Tgt Ion:184 Resp: 349742

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

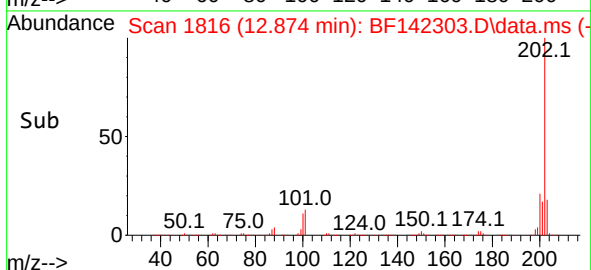
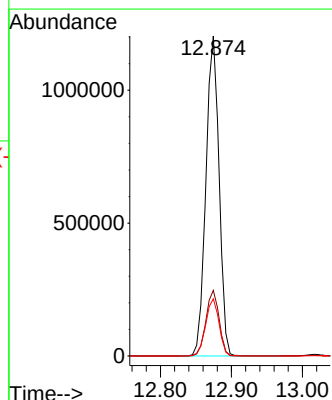
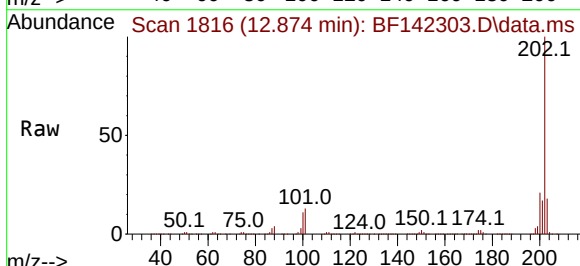
Tgt Ion:202 Resp: 1553540

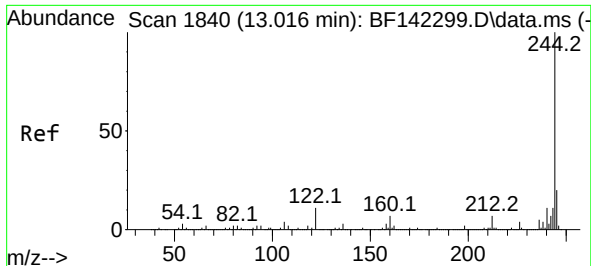
Ion Ratio Lower Upper

202 100

200 20.5 16.2 24.4

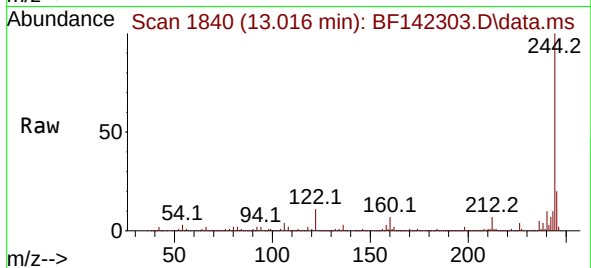
203 17.9 14.3 21.5



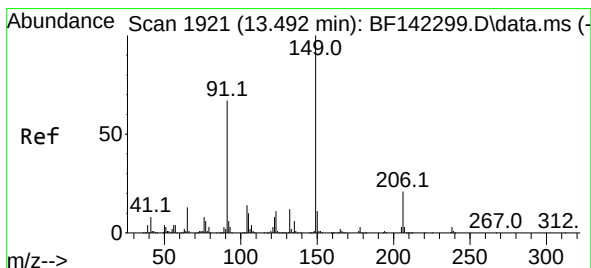
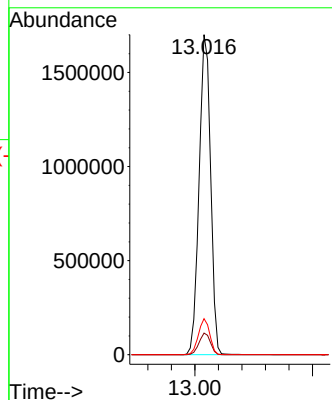
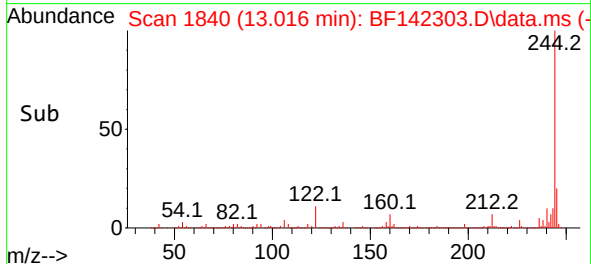


#79
 Terphenyl-d14
 Concen: 76.366 ng
 RT: 13.016 min Scan# 1840
 Delta R.T. -0.000 min
 Lab File: BF142303.D
 Acq: 05 May 2025 18:13

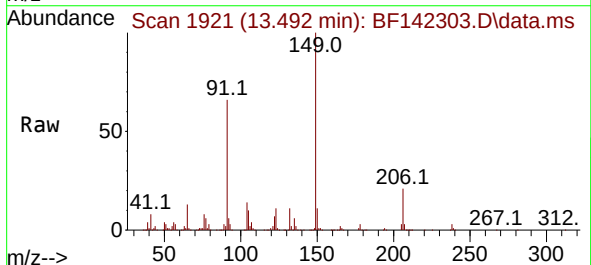
Instrument :
 BNA_F
 ClientSampleId :
 ICVBF050525



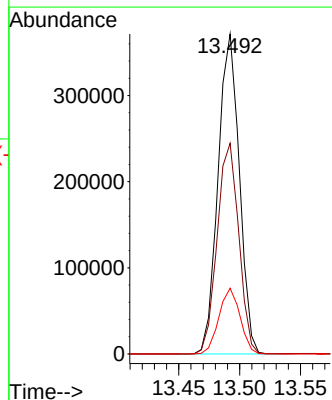
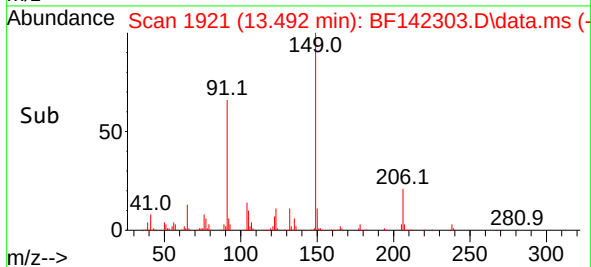
Tgt Ion:244 Resp: 2301923
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.2
 122 11.3 9.0 13.4

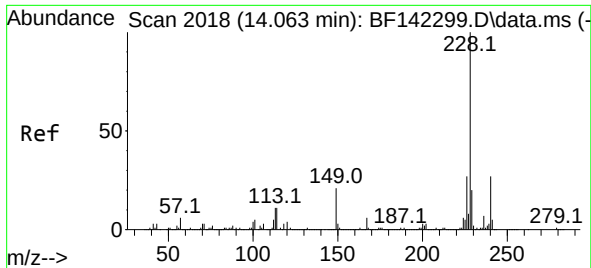


#80
 Butylbenzylphthalate
 Concen: 39.681 ng
 RT: 13.492 min Scan# 1921
 Delta R.T. 0.000 min
 Lab File: BF142303.D
 Acq: 05 May 2025 18:13



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

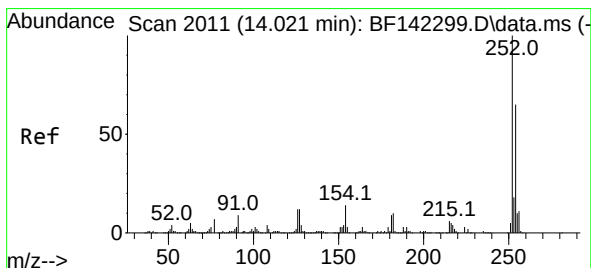
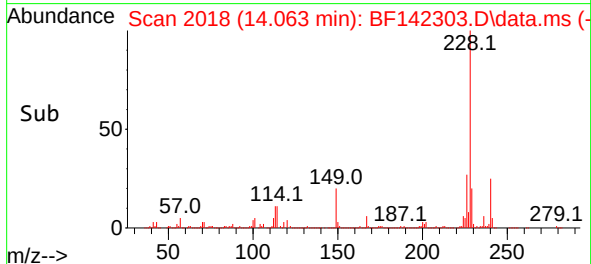
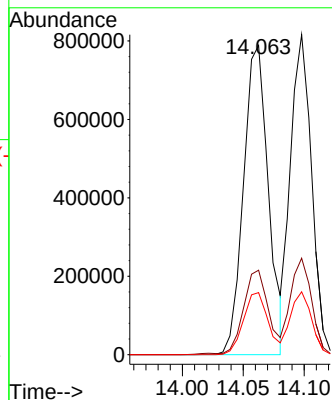
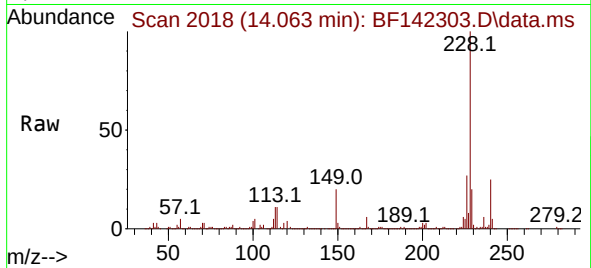




#81
Benzo(a)anthracene
Concen: 38.827 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

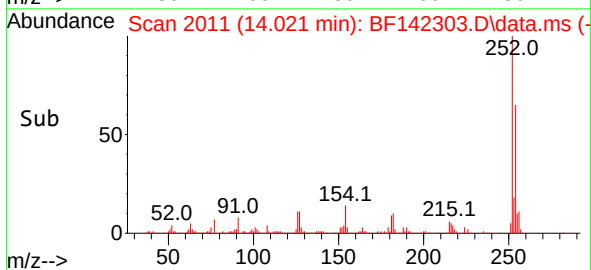
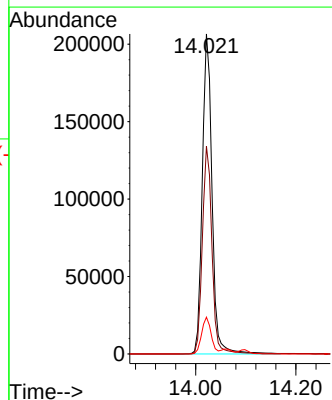
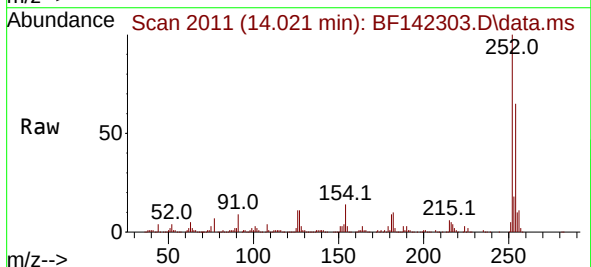
Instrument :
BNA_F
ClientSampleId :
ICVBF050525

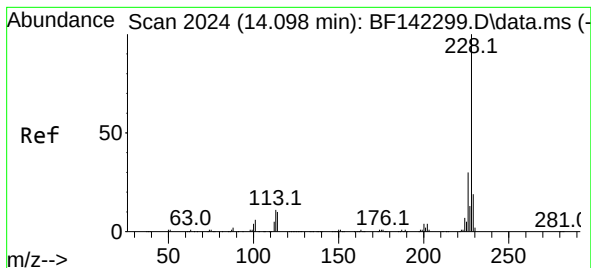
Tgt Ion:228 Resp: 1121831
Ion Ratio Lower Upper
228 100
226 27.3 21.5 32.3
229 20.0 15.9 23.9



#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# 20

Delta R.T. -0.000 min

Lab File: BF142303.D

Acq: 05 May 2025 18:13

Instrument :

BNA_F

ClientSampleId :

ICVBF050525

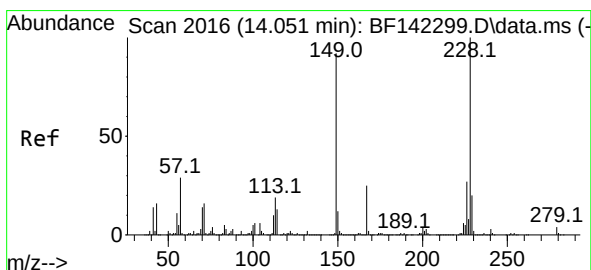
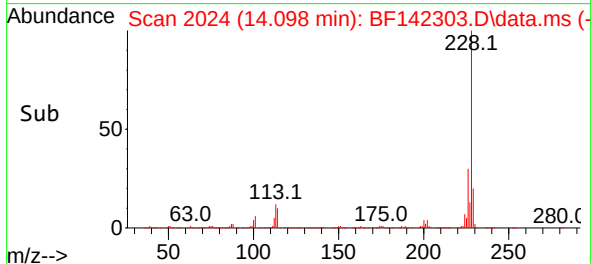
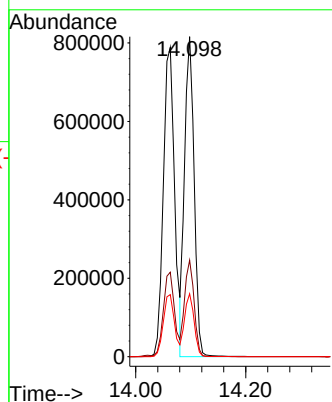
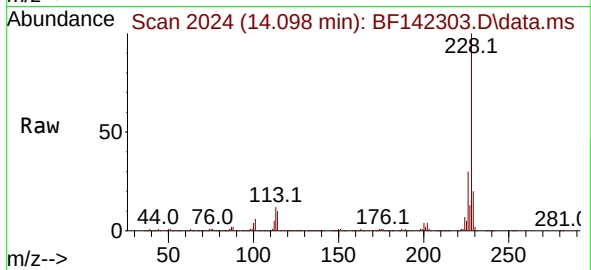
Tgt Ion:228 Resp: 987170

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

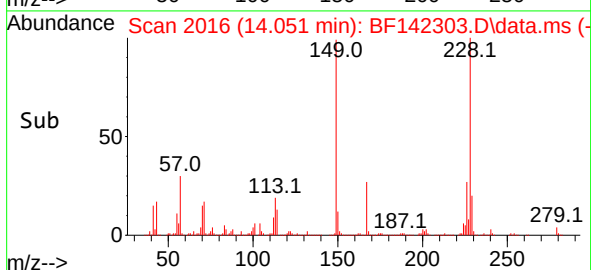
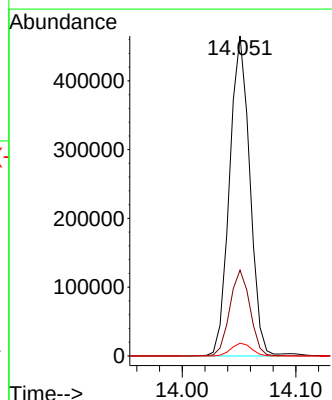
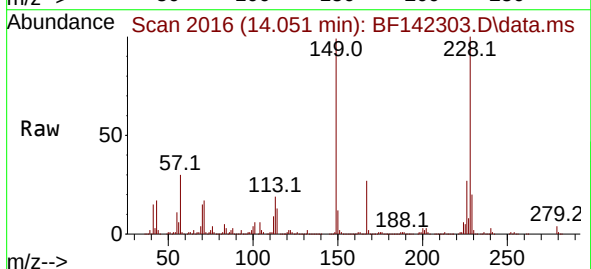
Tgt Ion:149 Resp: 576295

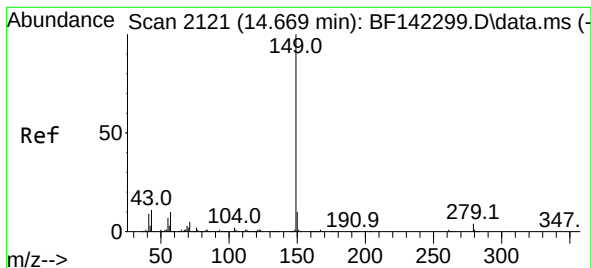
Ion Ratio Lower Upper

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

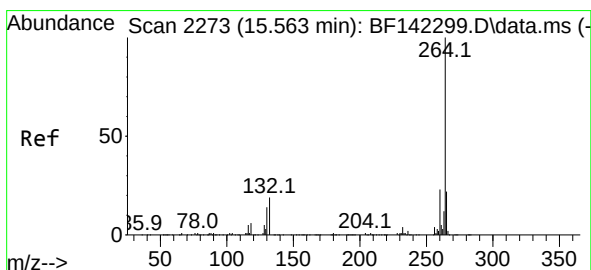
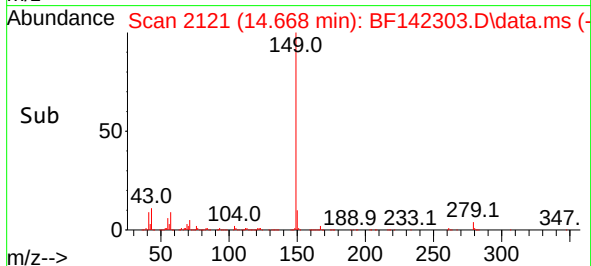
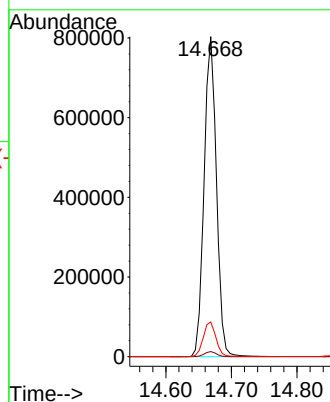
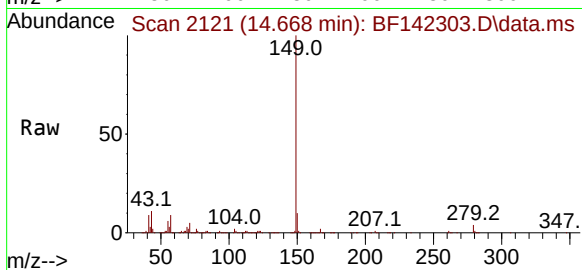
Tgt Ion:149 Resp: 1053573

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

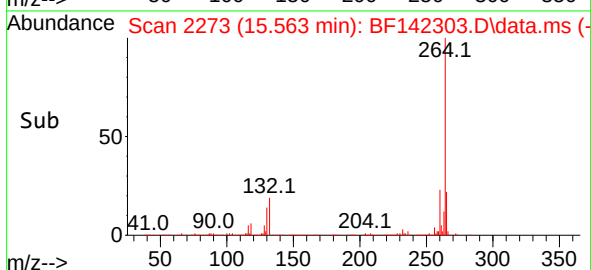
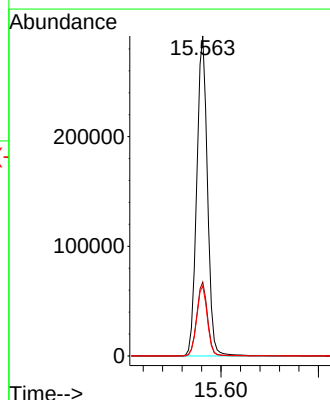
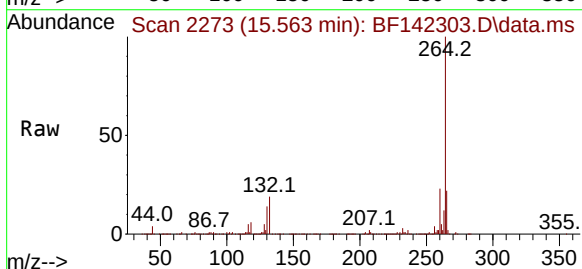
Tgt Ion:264 Resp: 447218

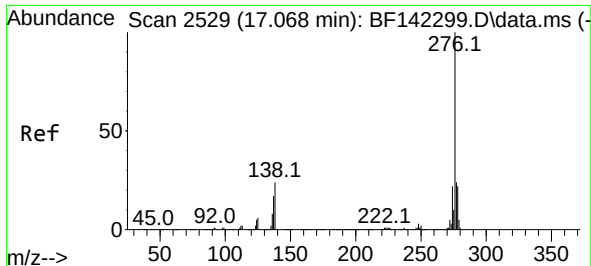
Ion Ratio Lower Upper

264 100

260 23.1 18.6 27.8

265 21.9 17.5 26.3

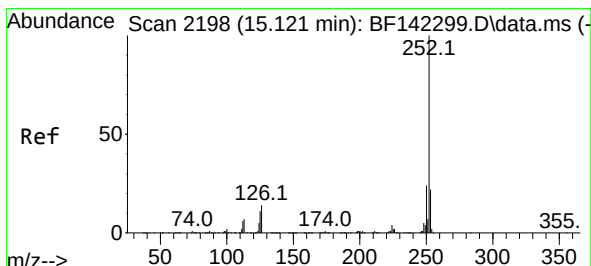
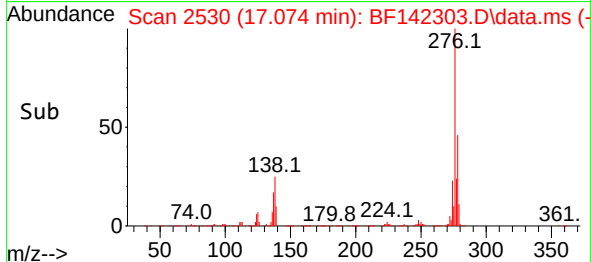
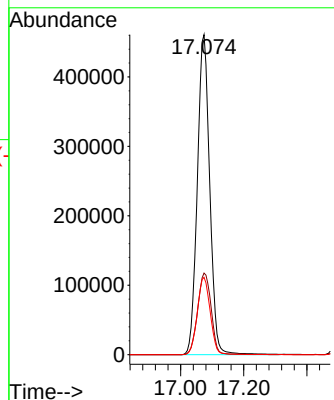
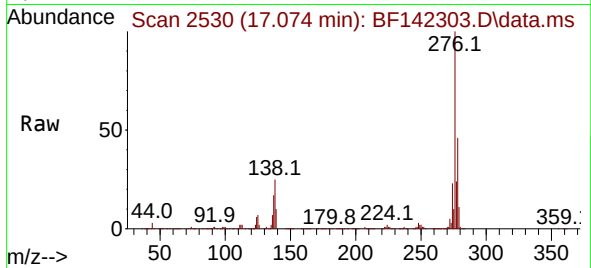




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 40.452 ng
 RT: 17.074 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: BF142303.D
 Acq: 05 May 2025 18:13

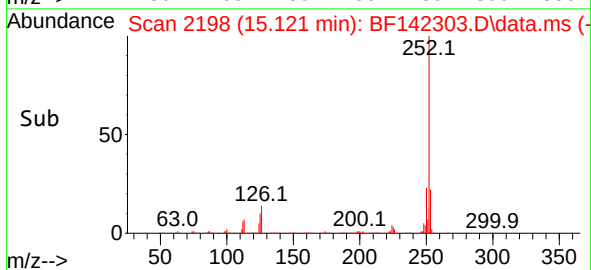
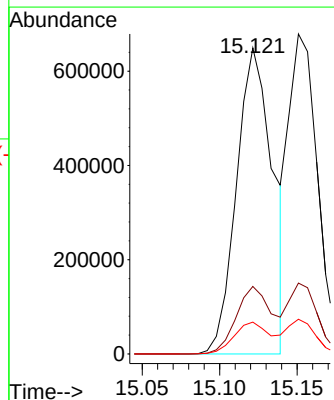
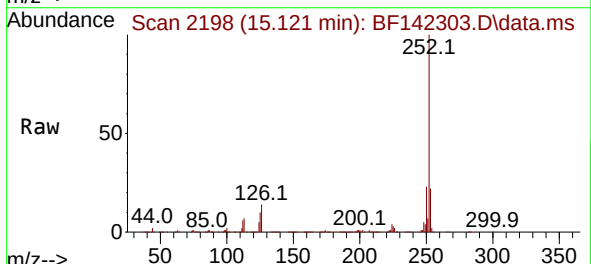
Instrument :
 BNA_F
 ClientSampleId :
 ICVBF050525

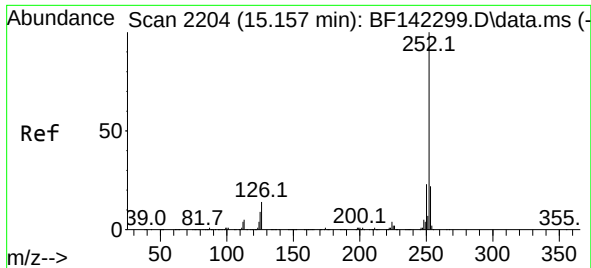
Tgt Ion:276 Resp: 1258449
 Ion Ratio Lower Upper
 276 100
 138 27.8 22.0 33.0
 277 25.2 20.1 30.1



#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

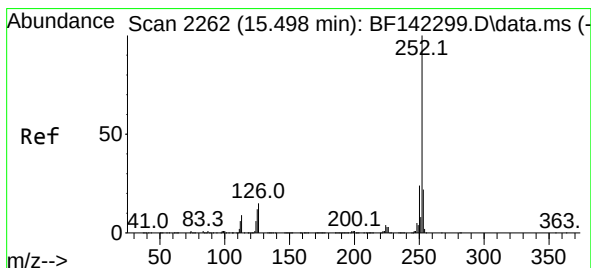
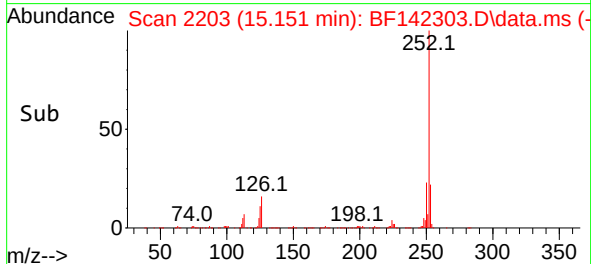
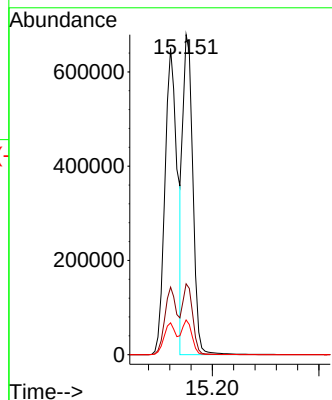
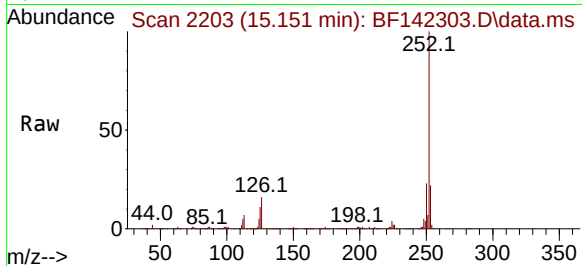




#89
Benzo(k)fluoranthene
Concen: 35.727 ng
RT: 15.151 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

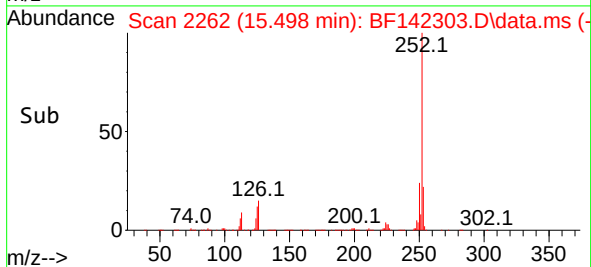
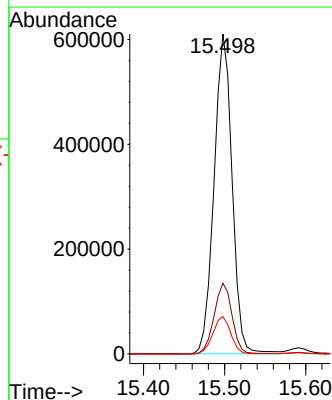
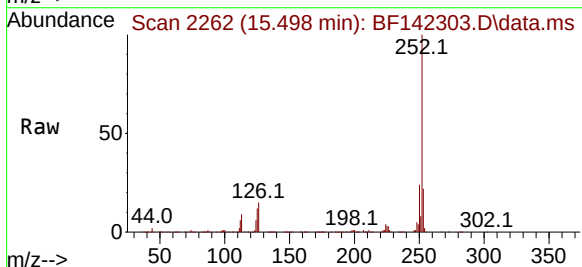
Instrument :
BNA_F
ClientSampleId :
ICVBF050525

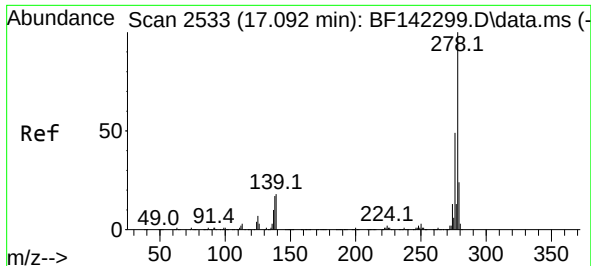
Tgt Ion:252 Resp: 885574
Ion Ratio Lower Upper
252 100
253 22.2 17.6 26.4
125 10.8 8.1 12.1



#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

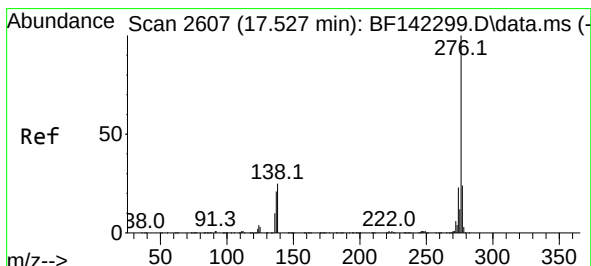
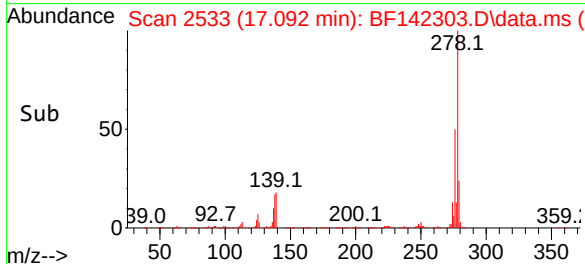
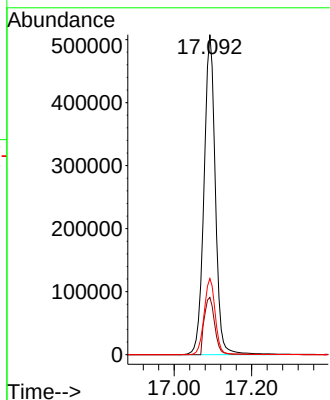
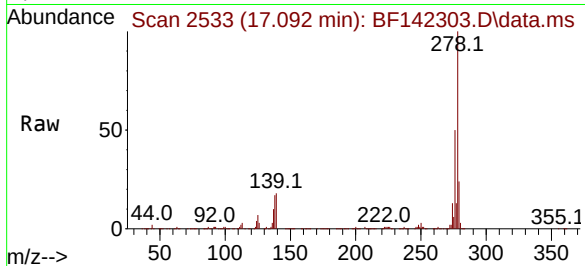




#91
Dibenzo(a,h)anthracene
Concen: 40.084 ng
RT: 17.092 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF142303.D
Acq: 05 May 2025 18:13

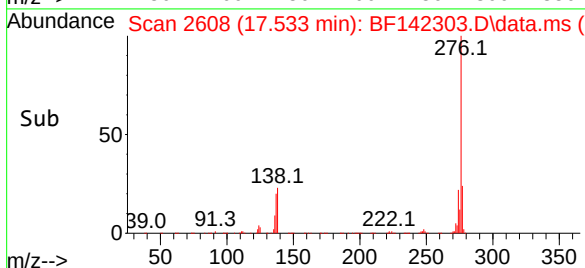
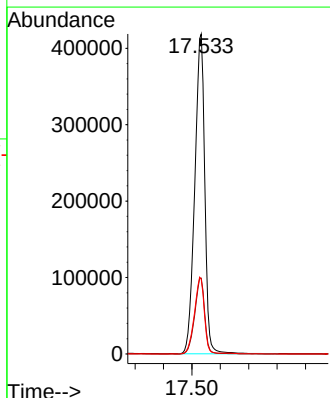
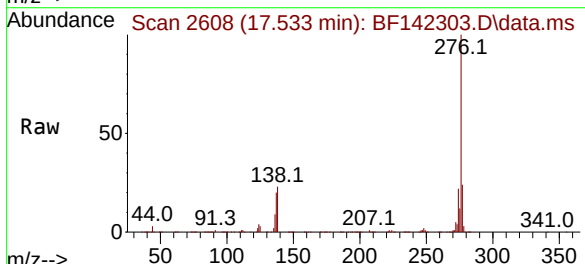
Instrument :
BNA_F
ClientSampleId :
ICVBF050525

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



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

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

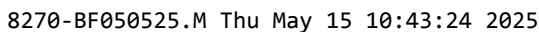
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 ClientSampleId :
 SSTDCCC040

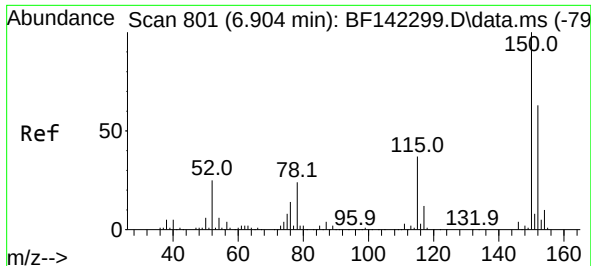
Quant Time: May 15 10:43:10 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 05 18:41:44 2025
 Response via : Initial Calibration

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

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

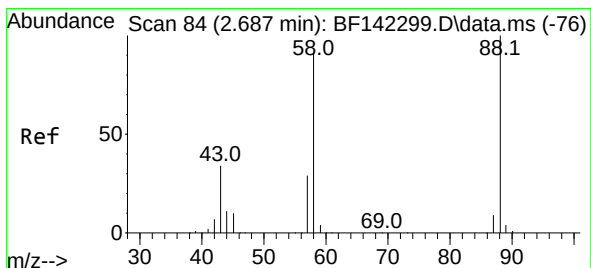
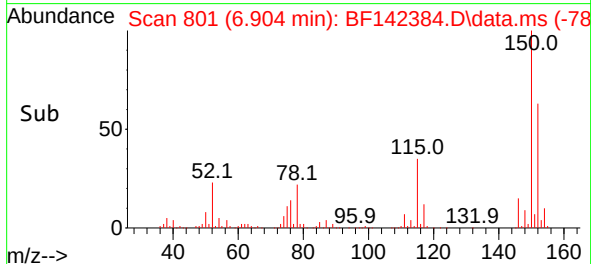
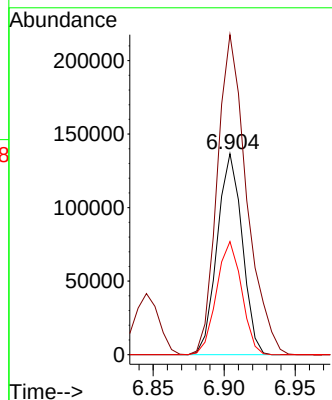
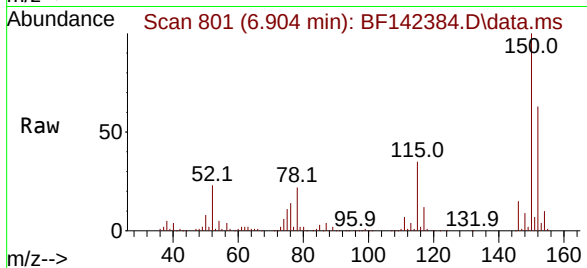




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.904 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: BF142384.D
 Acq: 15 May 2025 10:08

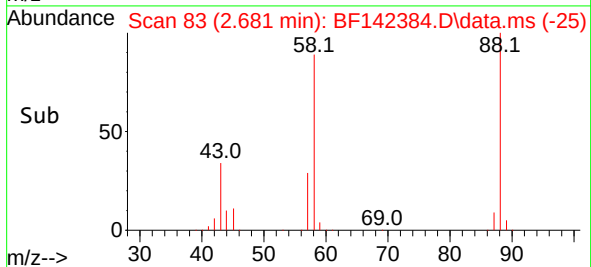
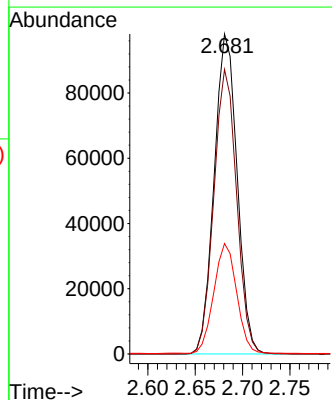
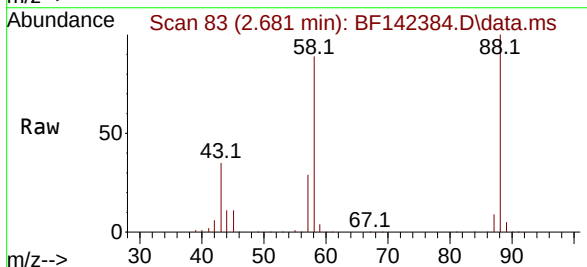
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

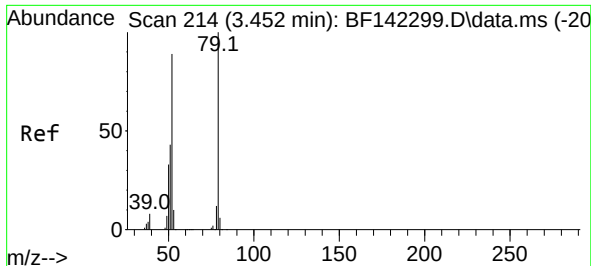
Tgt Ion:152 Resp: 167469
 Ion Ratio Lower Upper
 152 100
 150 159.2 126.6 190.0
 115 56.3 47.3 70.9



#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 :

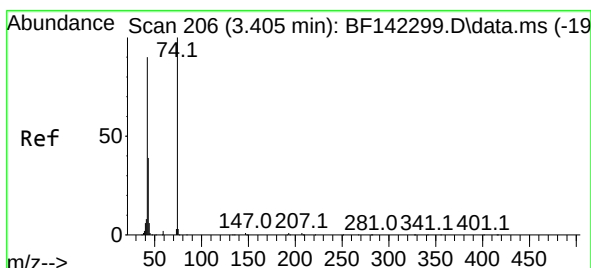
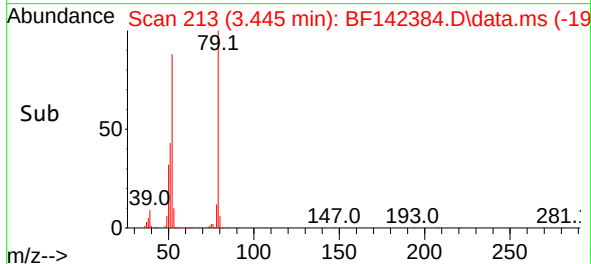
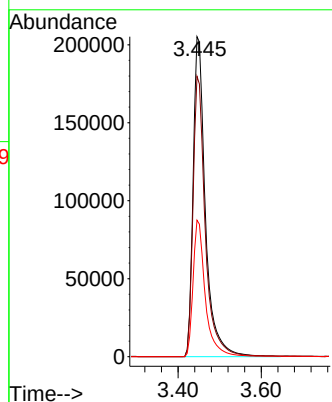
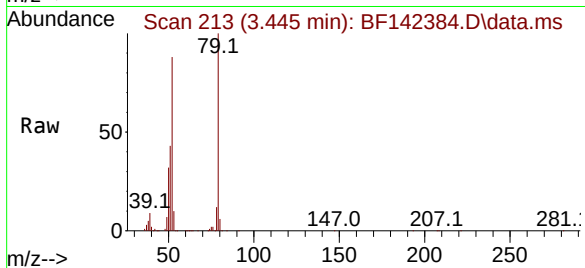
BNA_F

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

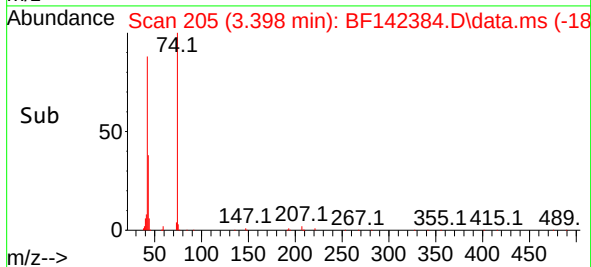
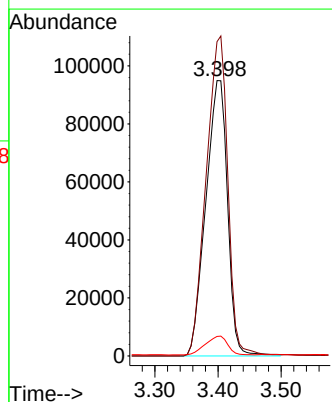
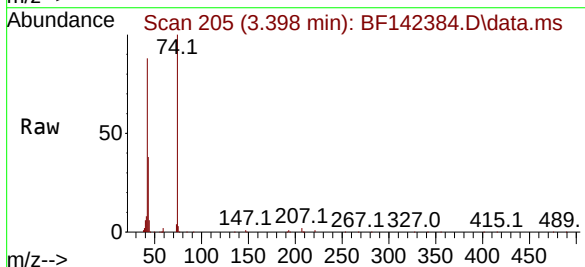
Delta R.T. -0.006 min

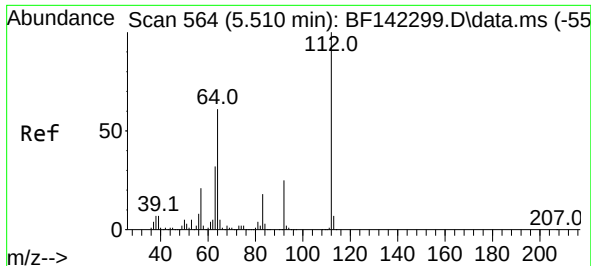
Lab File: BF142384.D

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

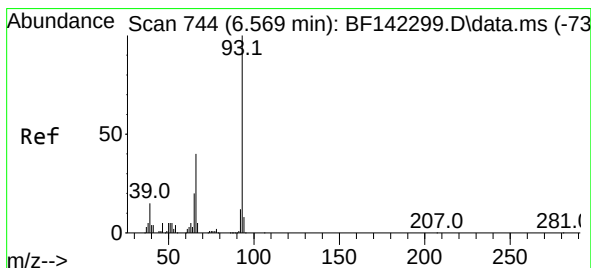
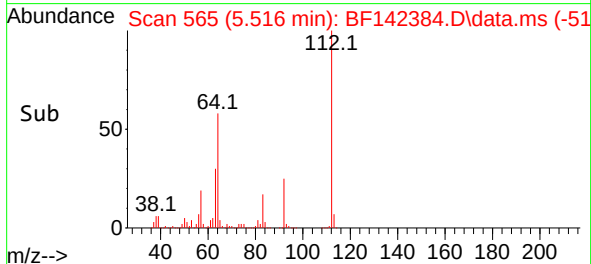
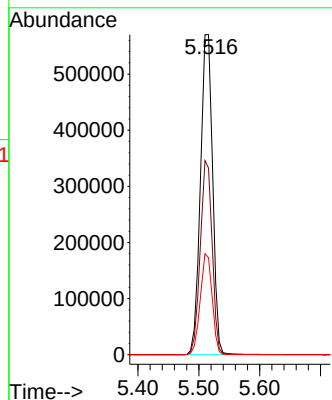
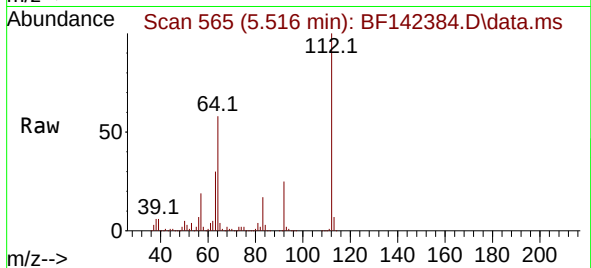




#5
2-Fluorophenol
Concen: 80.905 ng
RT: 5.516 min Scan# 509
Delta R.T. 0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

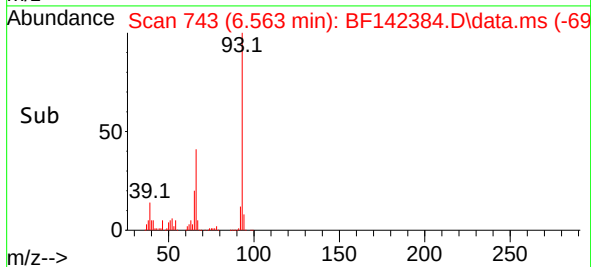
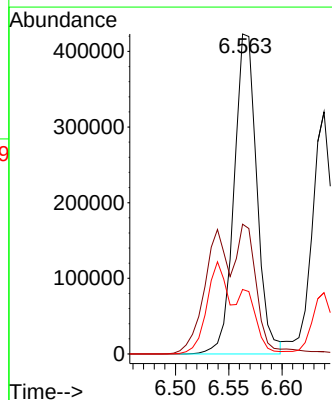
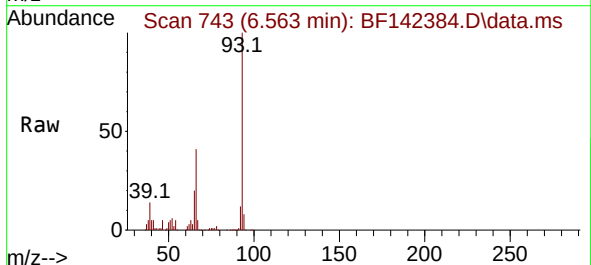
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

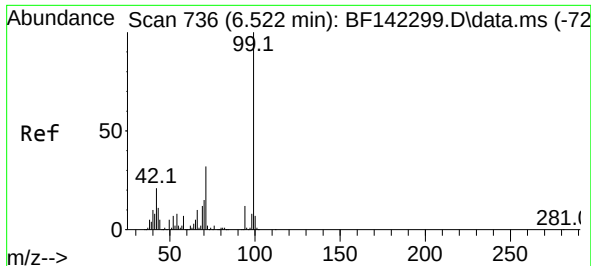
Tgt Ion:112 Resp: 793699
Ion Ratio Lower Upper
112 100
64 58.3 48.9 73.3
63 30.3 25.6 38.4



#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# 736

Delta R.T. 0.006 min

Lab File: BF142384.D

Acq: 15 May 2025 10:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

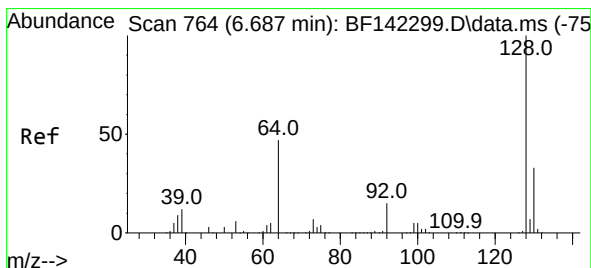
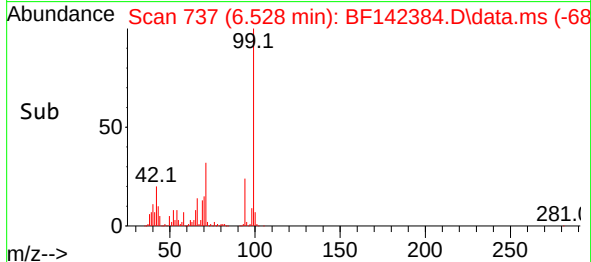
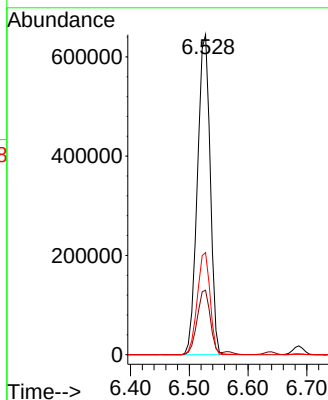
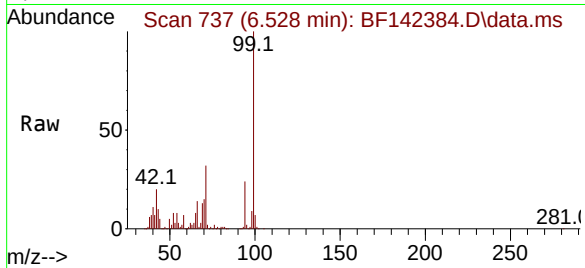
Tgt Ion: 99 Resp: 973163

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

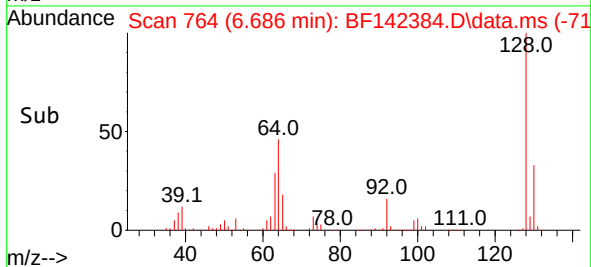
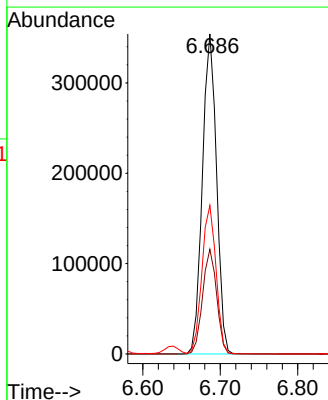
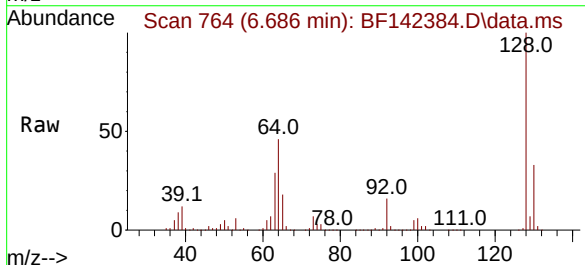
Tgt Ion:128 Resp: 449181

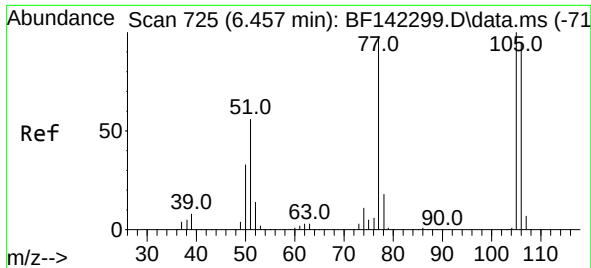
Ion Ratio Lower Upper

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# 71

Delta R.T. -0.006 min

Lab File: BF142384.D

Acq: 15 May 2025 10:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

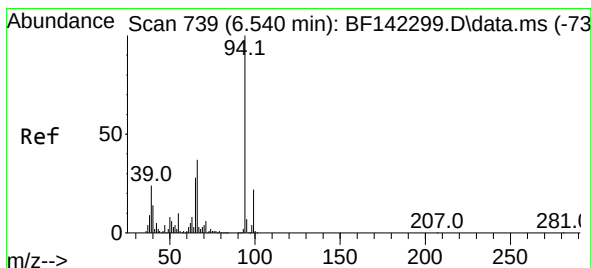
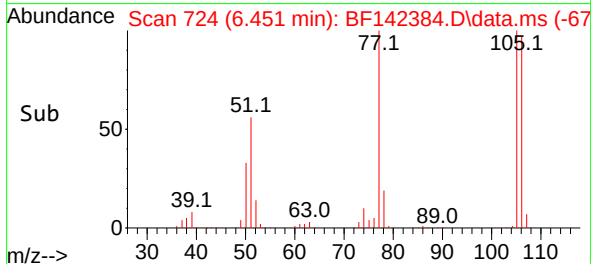
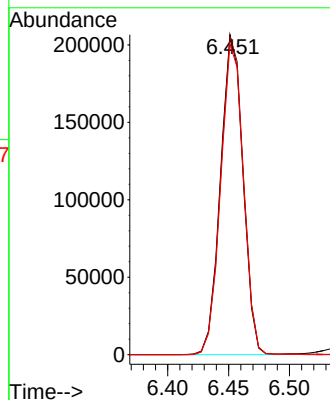
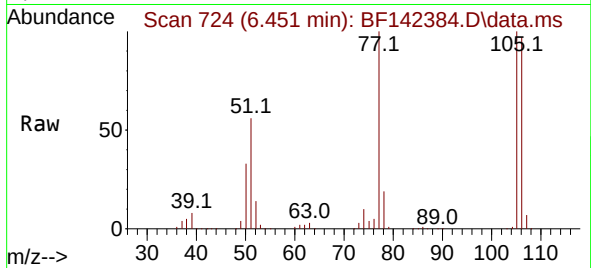
Tgt Ion: 77 Resp: 264659

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

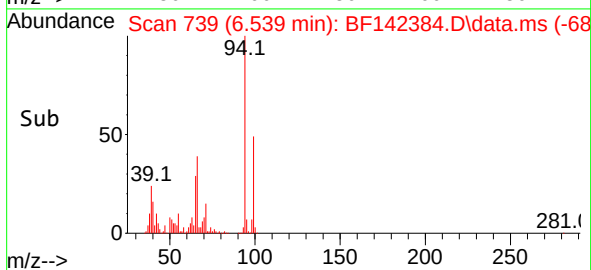
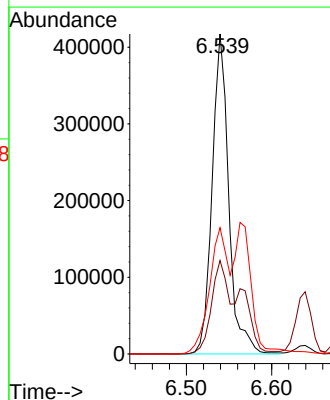
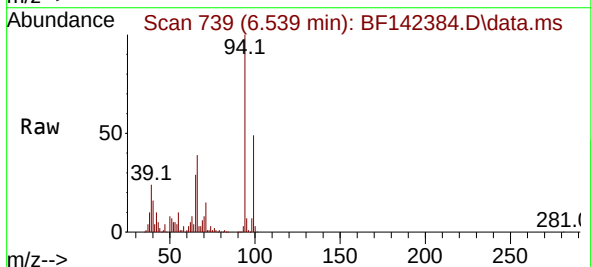
Tgt Ion: 94 Resp: 564949

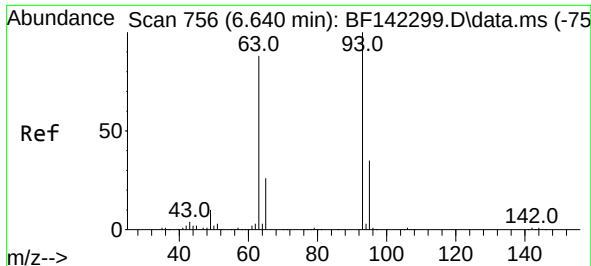
Ion Ratio Lower Upper

94 100

65 29.2 8.5 48.5

66 39.5 17.3 57.3

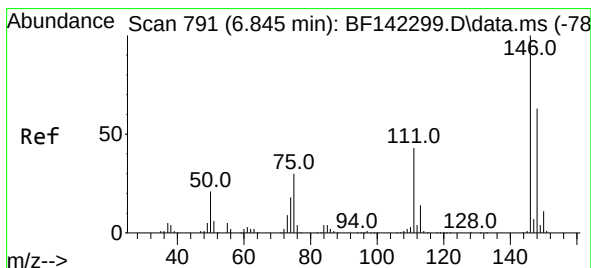
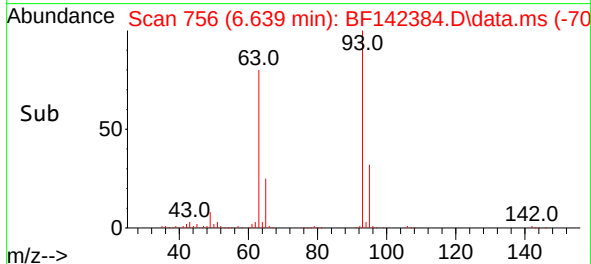
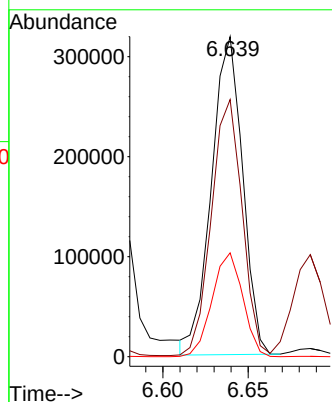
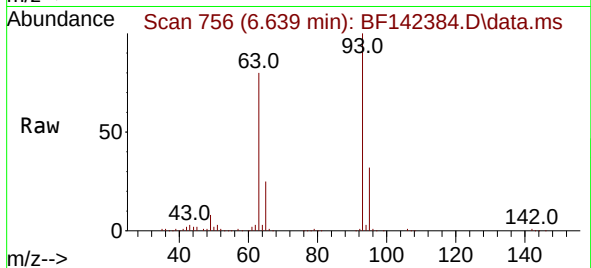




#11
bis(2-Chloroethyl)ether
Concen: 32.018 ng
RT: 6.639 min Scan# 756
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

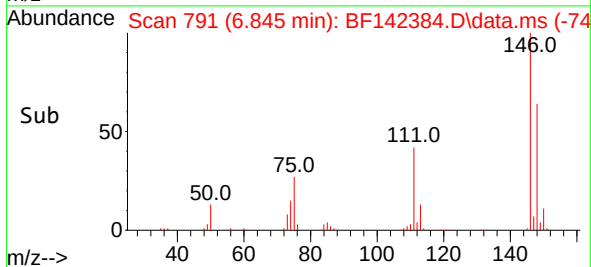
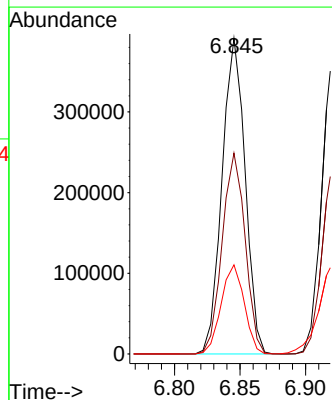
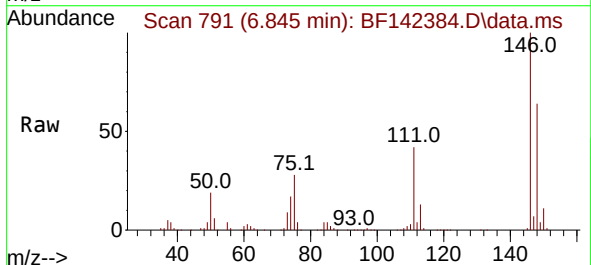
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

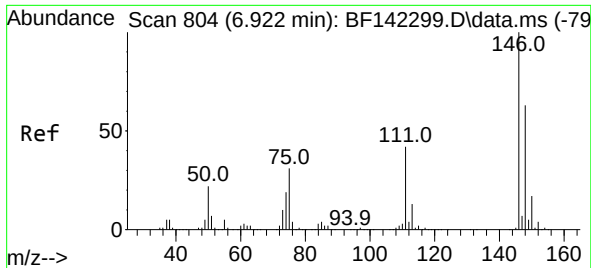
Tgt Ion: 93 Resp: 403831
Ion Ratio Lower Upper
93 100
63 80.3 58.4 98.4
95 32.5 10.6 50.6



#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# 804

Delta R.T. -0.000 min

Lab File: BF142384.D

Acq: 15 May 2025 10:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

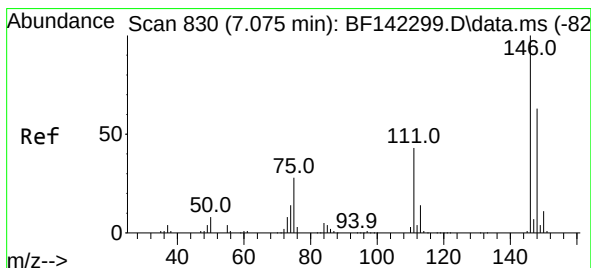
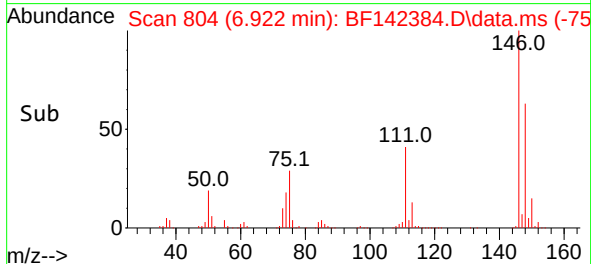
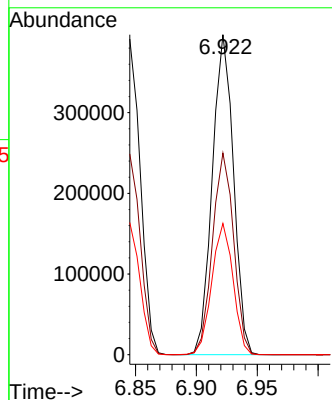
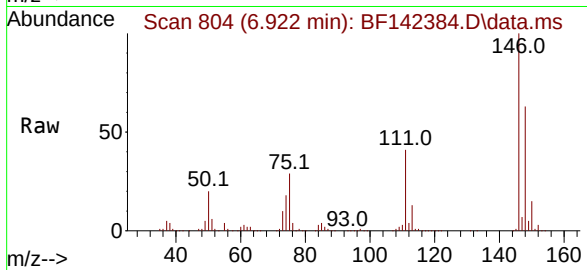
Tgt Ion:146 Resp: 479424

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

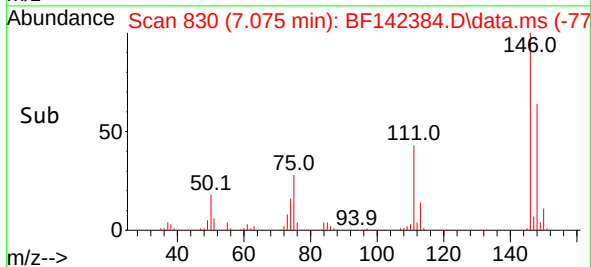
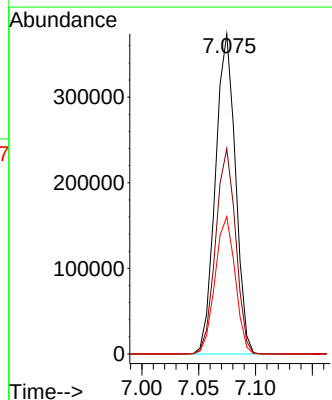
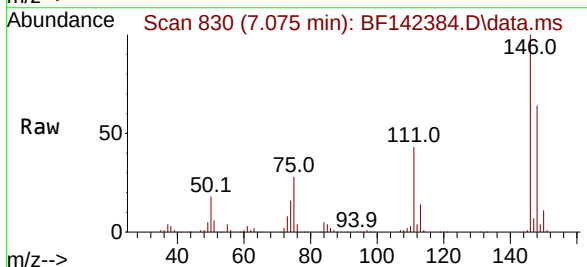
Tgt Ion:146 Resp: 459174

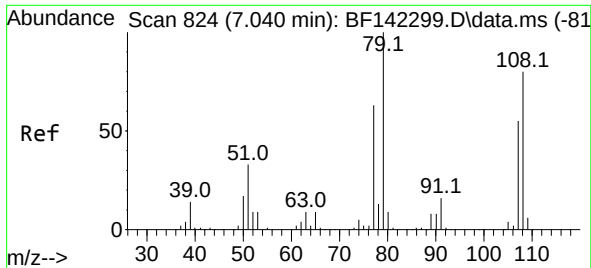
Ion Ratio Lower Upper

146 100

148 64.1 50.3 75.5

111 42.9 34.5 51.7

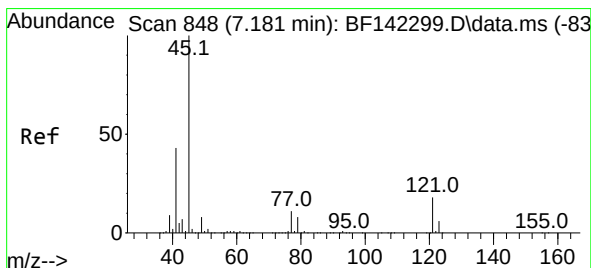
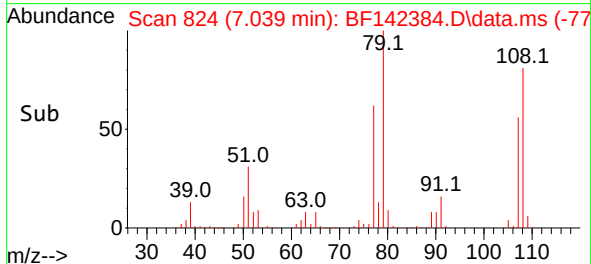
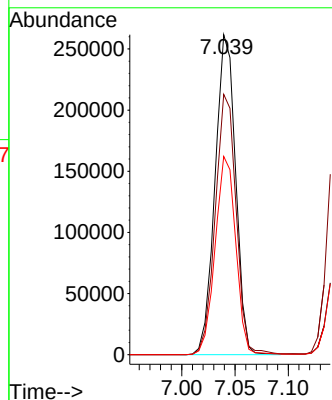
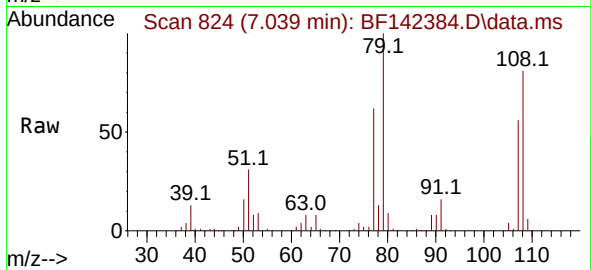




#15
Benzyl Alcohol
Concen: 44.898 ng
RT: 7.039 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

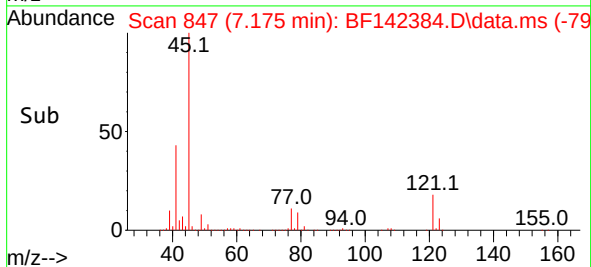
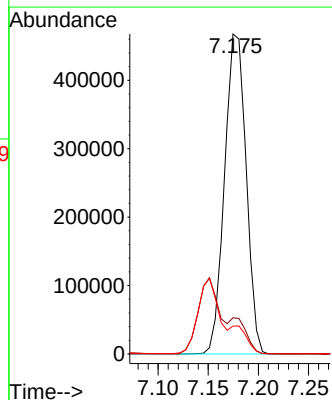
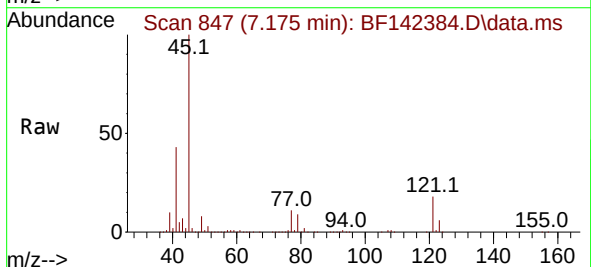
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

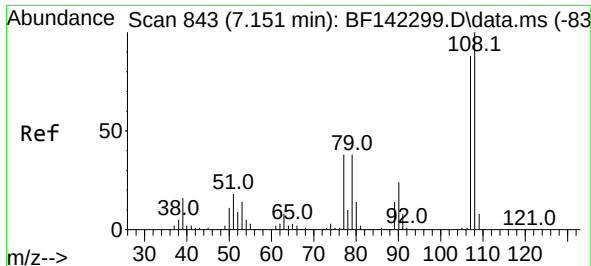
Tgt Ion: 79 Resp: 350796
Ion Ratio Lower Upper
79 100
108 81.3 63.9 95.9
77 61.9 50.7 76.1



#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

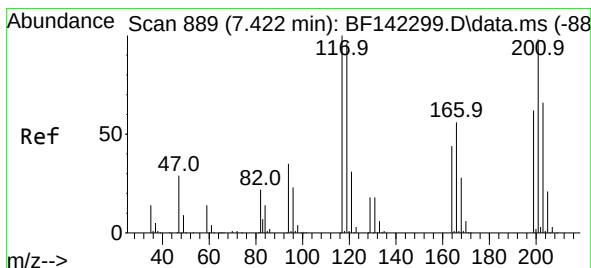
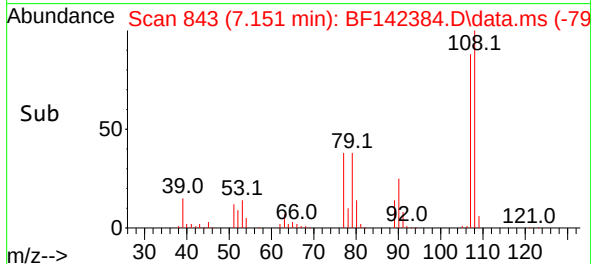
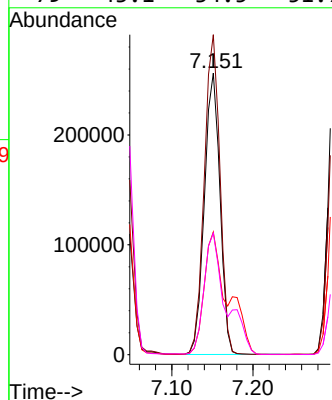
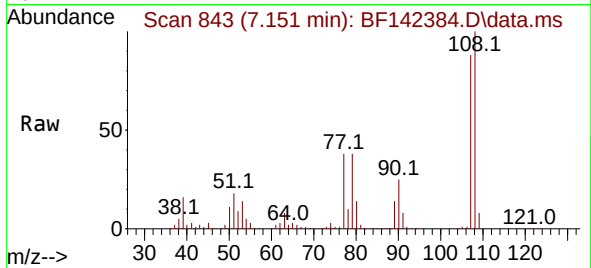




#17
2-Methylphenol
Concen: 40.240 ng
RT: 7.151 min Scan# 843
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

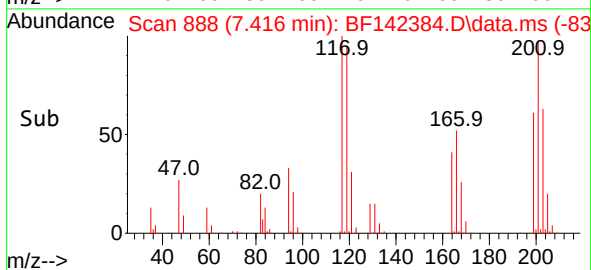
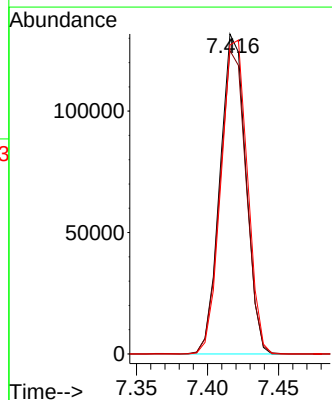
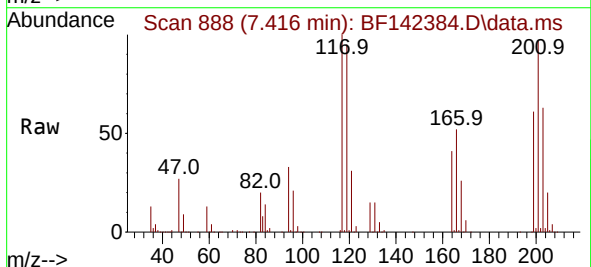
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

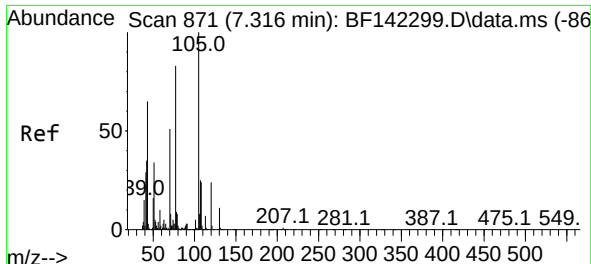
Tgt Ion:107 Resp: 341529
Ion Ratio Lower Upper
107 100
108 113.7 91.1 136.7
77 43.6 34.7 52.1
79 43.1 34.5 51.7



#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



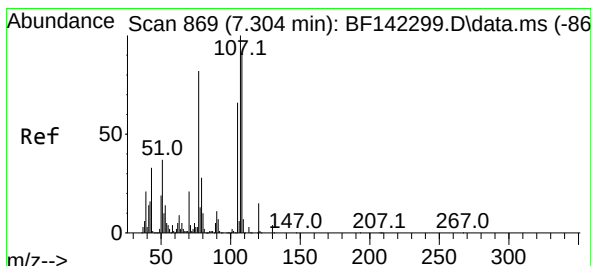
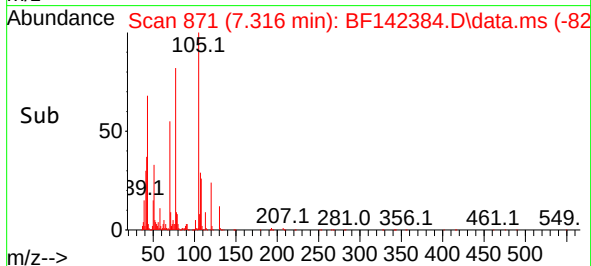
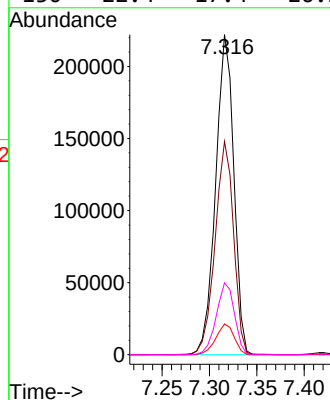
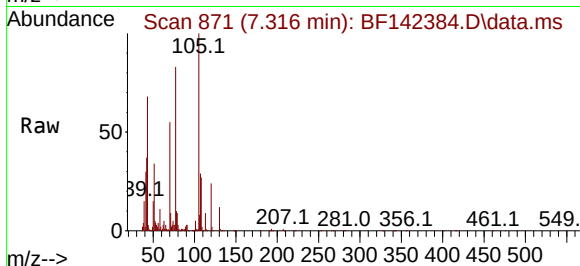


#19
n-Nitroso-di-n-propylamine
Concen: 39.827 ng
RT: 7.316 min Scan# 871
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion: 70 Resp: 297251

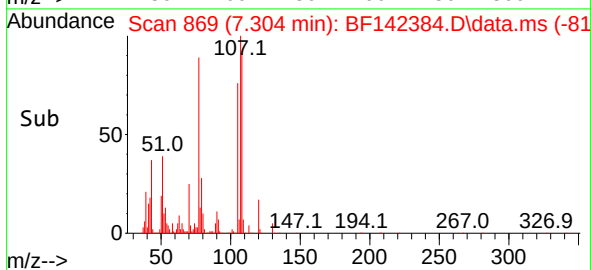
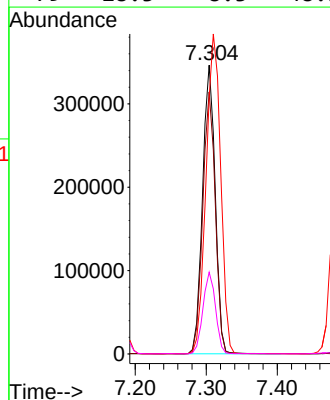
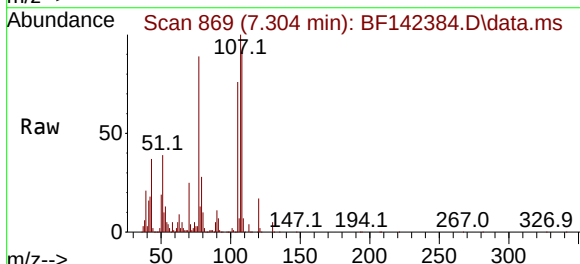
Ion	Ratio	Lower	Upper
70	100		
42	66.6	54.8	82.2
101	9.6	7.7	11.5
130	22.4	17.4	26.2

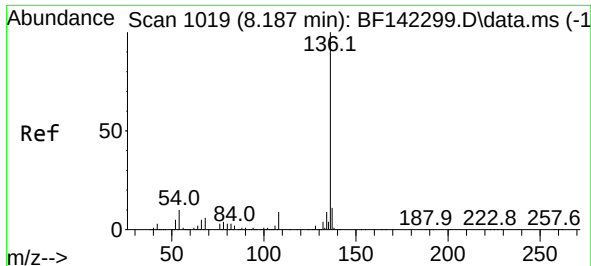


#20
3+4-Methylphenols
Concen: 40.498 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

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

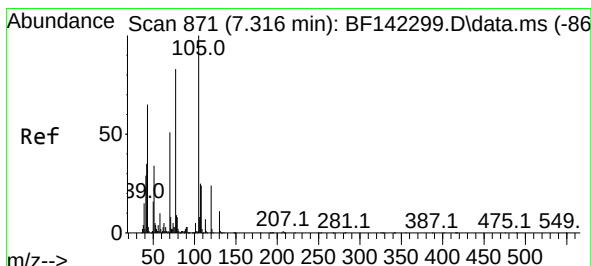
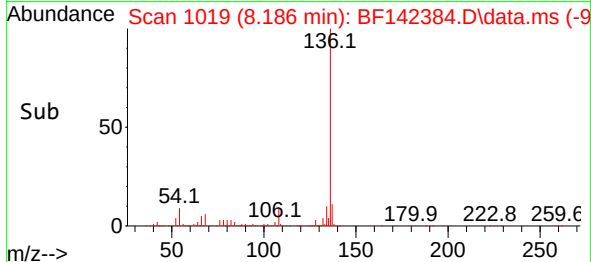
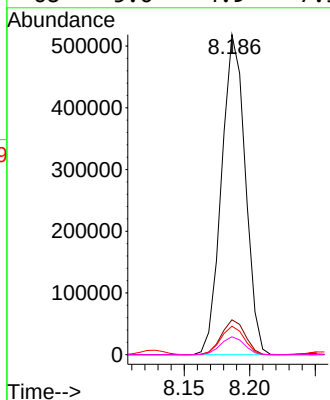
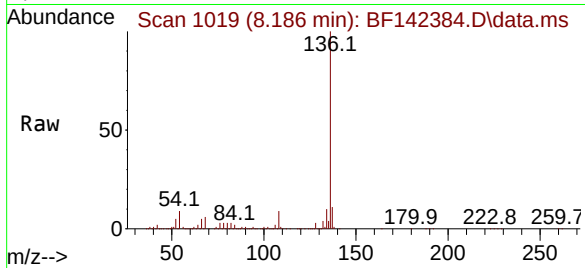




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.186 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

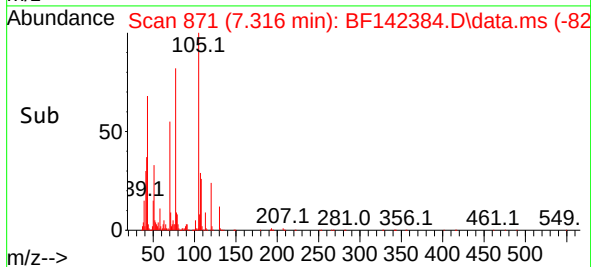
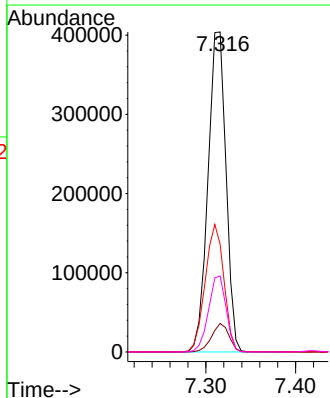
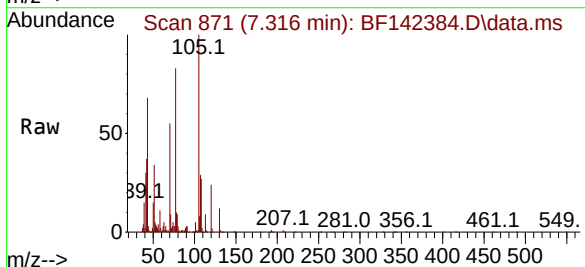
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

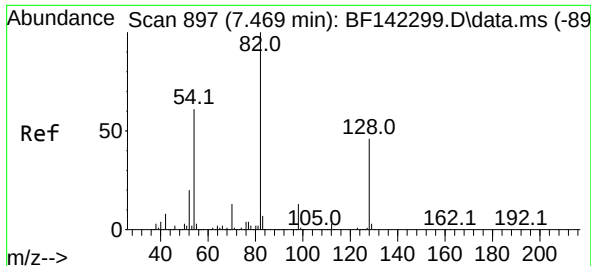
Tgt Ion:	136	Resp:	652293
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.9	13.3
54	8.9	7.7	11.5
68	5.6	4.9	7.3



#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

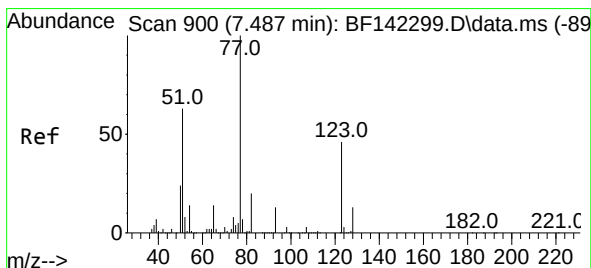
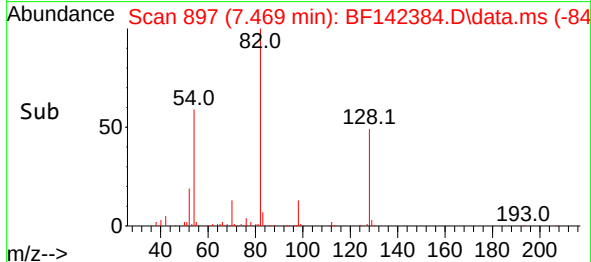
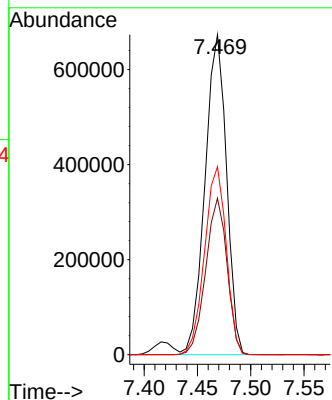
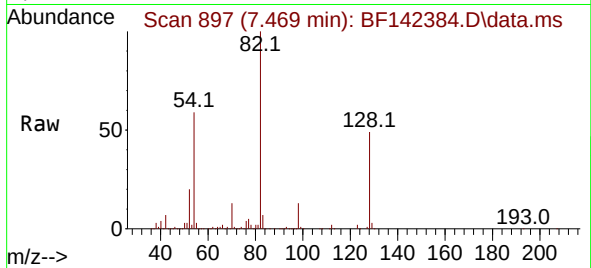




#23
Nitrobenzene-d5
Concen: 88.437 ng
RT: 7.469 min Scan# 89
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

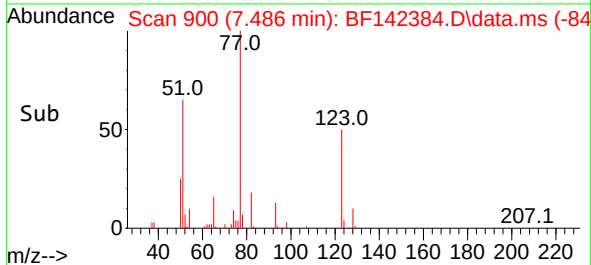
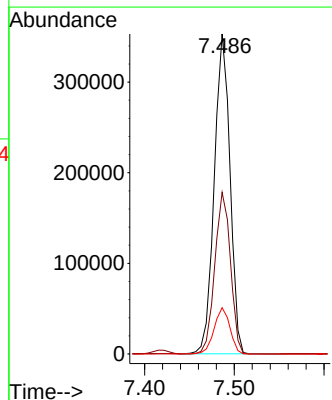
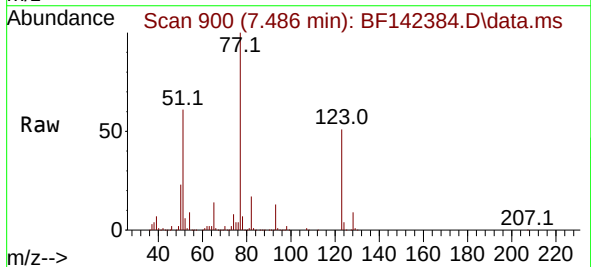
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

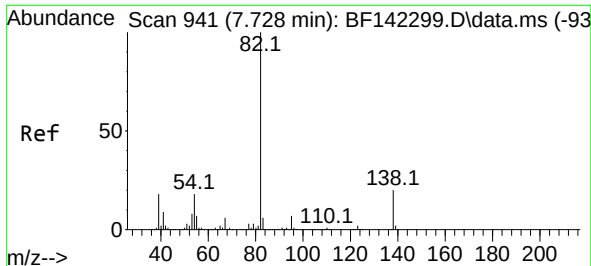
Tgt Ion: 82 Resp: 945883
Ion Ratio Lower Upper
82 100
128 48.9 37.0 55.6
54 58.8 48.6 73.0



#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

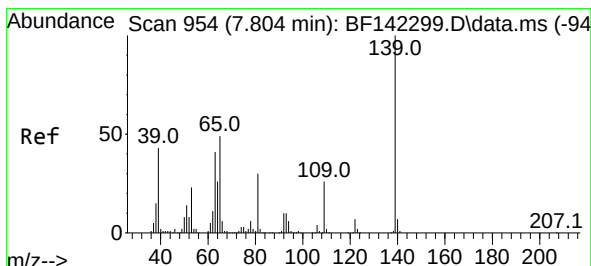
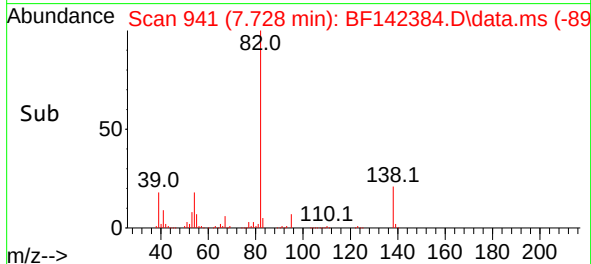
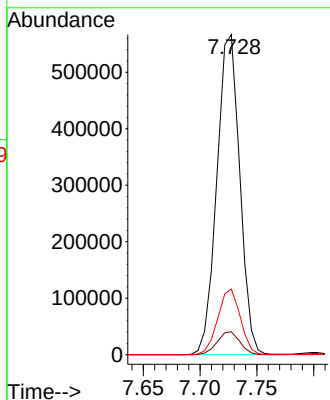
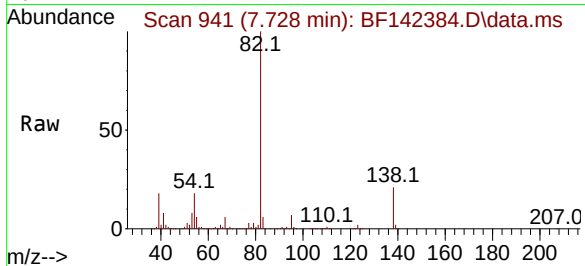




#25
Isophorone
Concen: 39.386 ng
RT: 7.728 min Scan# 941
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

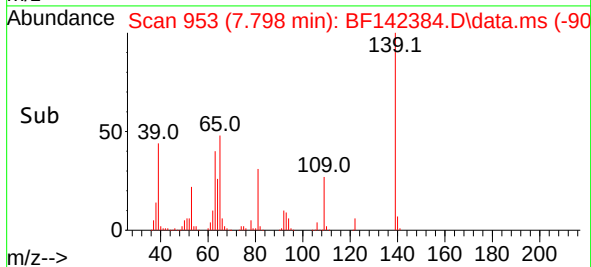
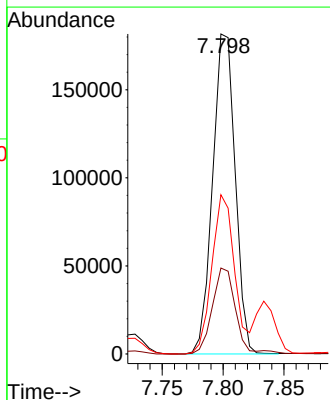
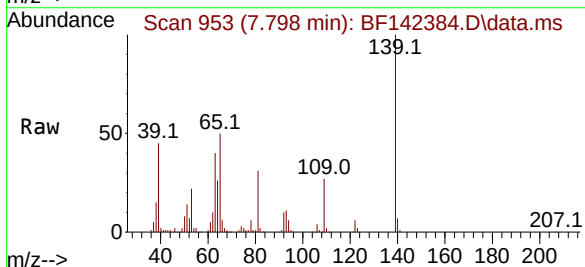
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

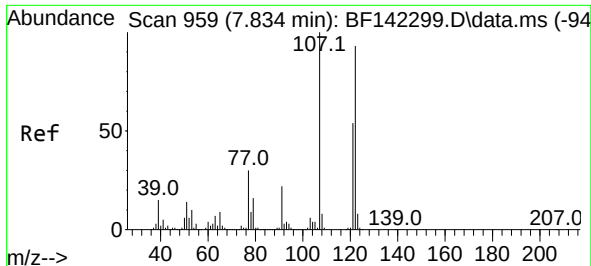
Tgt Ion: 82 Resp: 797707
Ion Ratio Lower Upper
82 100
95 7.2 5.8 8.8
138 20.5 16.1 24.1



#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# 91

Delta R.T. -0.000 min

Lab File: BF142384.D

Acq: 15 May 2025 10:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

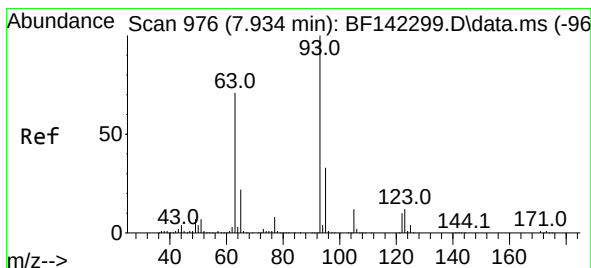
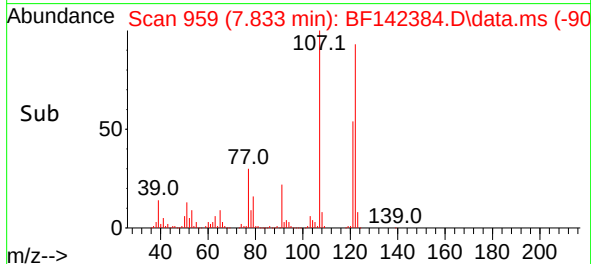
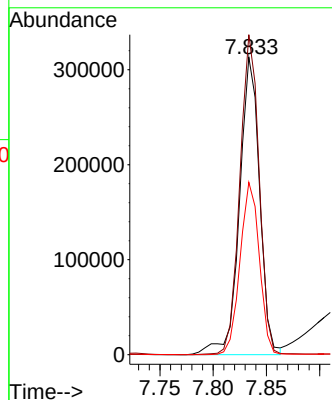
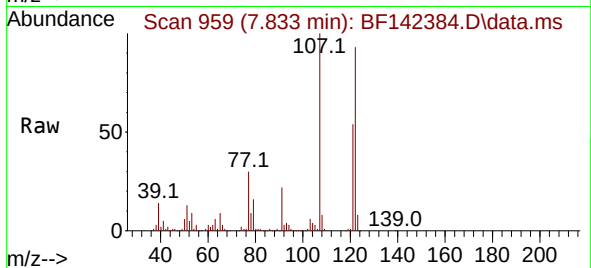
Tgt Ion:122 Resp: 413214

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

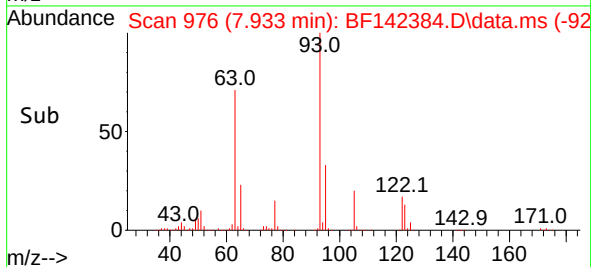
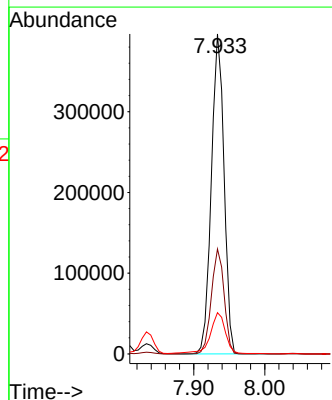
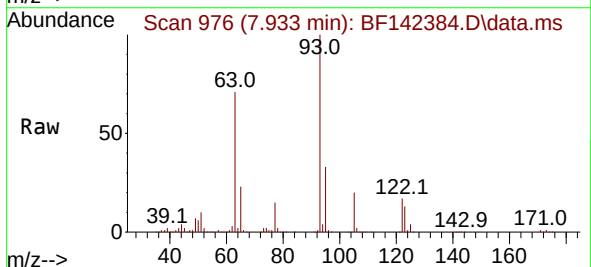
Tgt Ion: 93 Resp: 491833

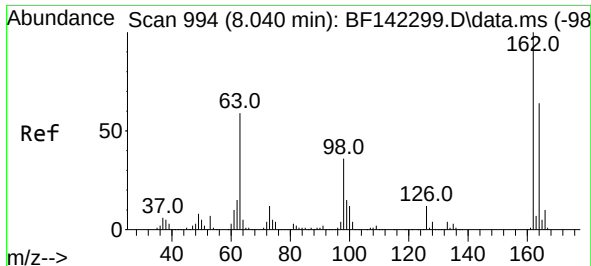
Ion Ratio Lower Upper

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# 994

Delta R.T. -0.000 min

Lab File: BF142384.D

Acq: 15 May 2025 10:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

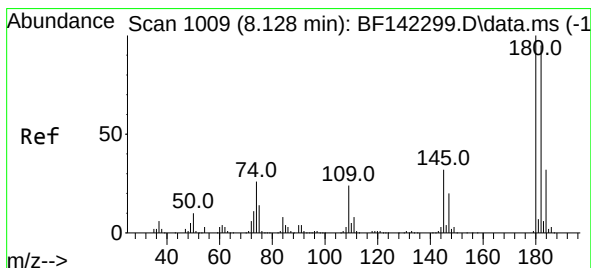
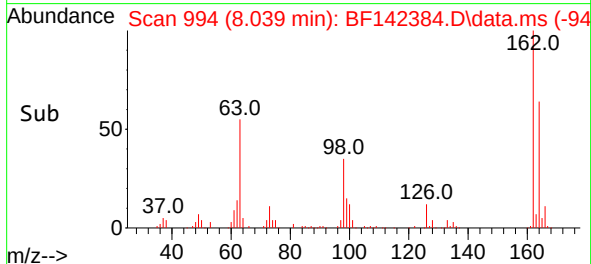
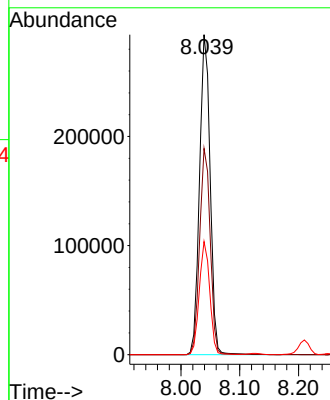
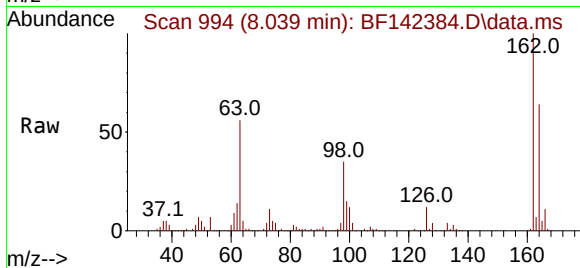
Tgt Ion:162 Resp: 367794

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

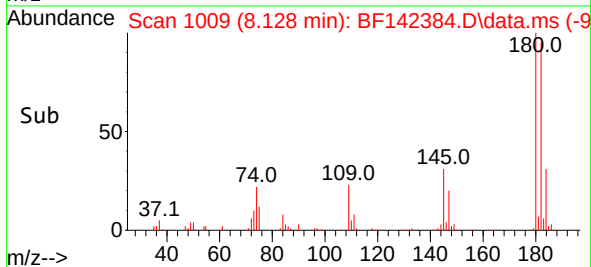
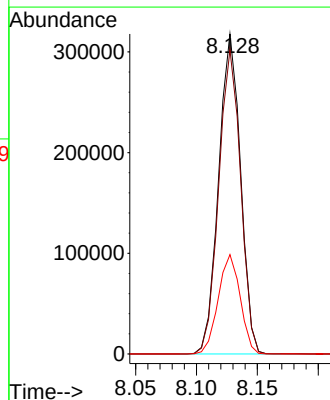
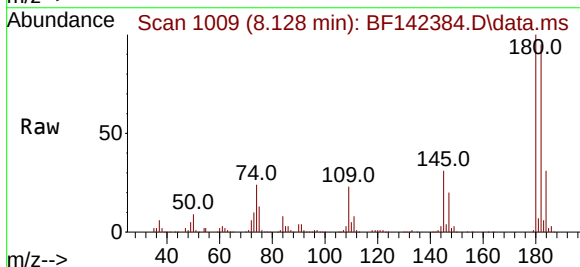
Tgt Ion:180 Resp: 397960

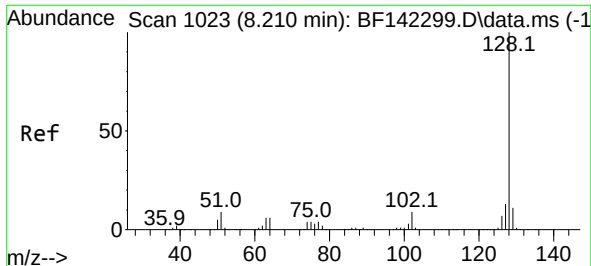
Ion Ratio Lower Upper

180 100

182 95.0 76.2 114.4

145 31.1 25.8 38.6

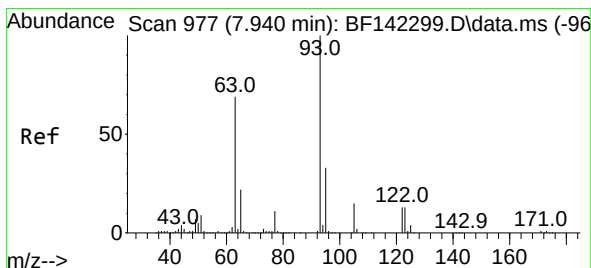
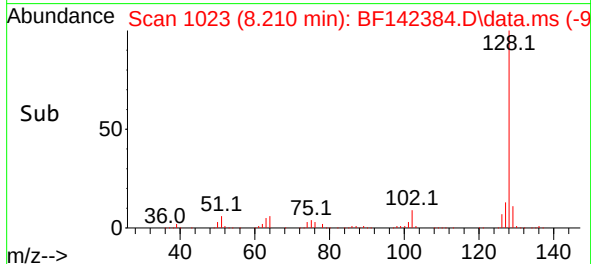
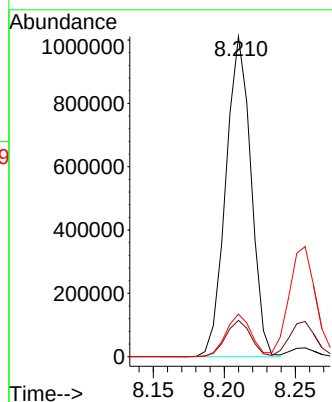
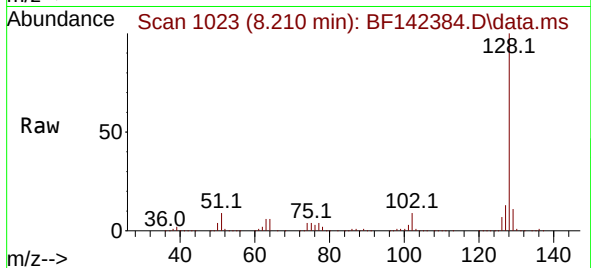




#31
Naphthalene
Concen: 39.273 ng
RT: 8.210 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

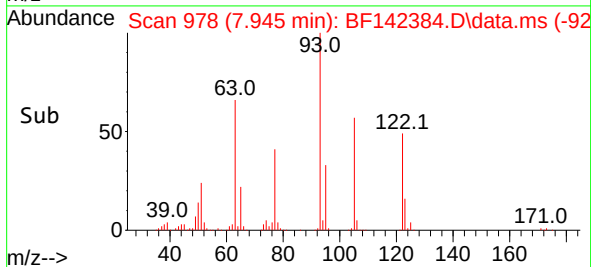
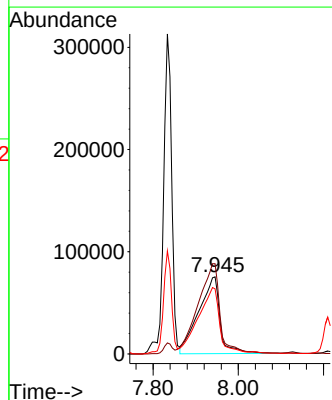
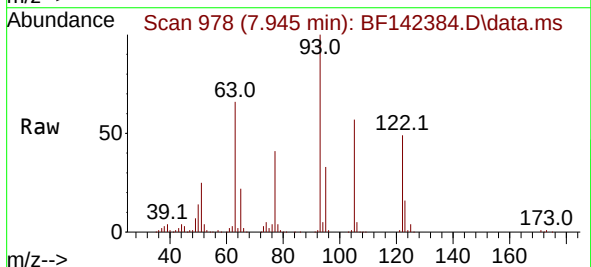
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

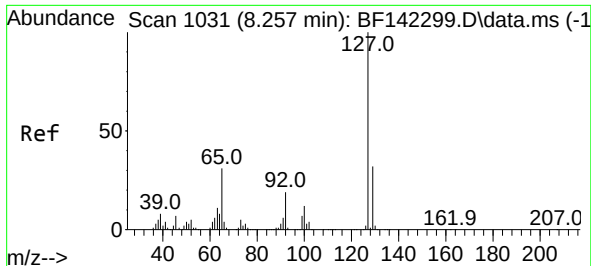
Tgt Ion:128 Resp: 1241567
Ion Ratio Lower Upper
128 100
129 11.3 9.1 13.7
127 13.3 10.5 15.7



#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

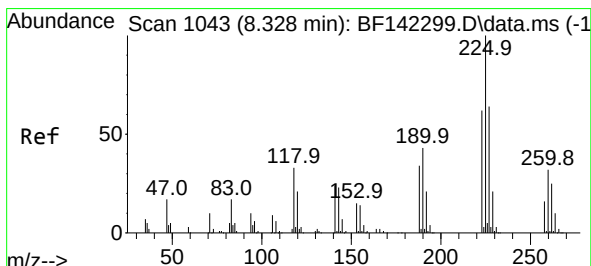
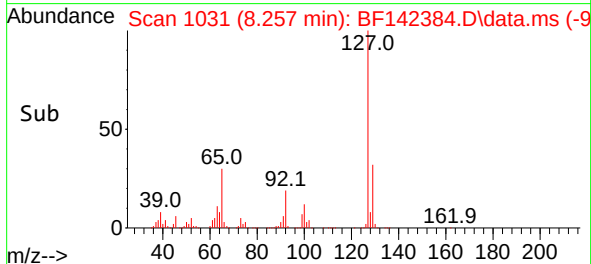
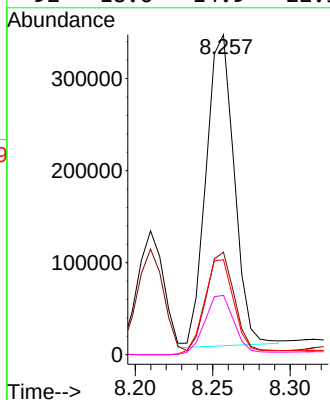
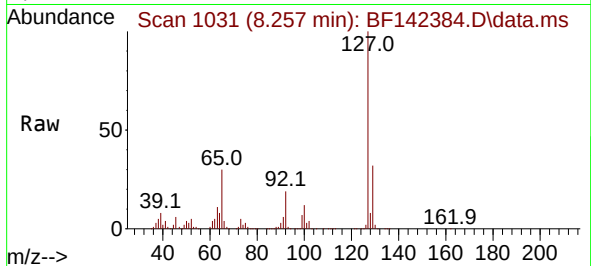




#33
4-Chloroaniline
Concen: 33.162 ng
RT: 8.257 min Scan# 1031
Delta R.T. -0.010 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

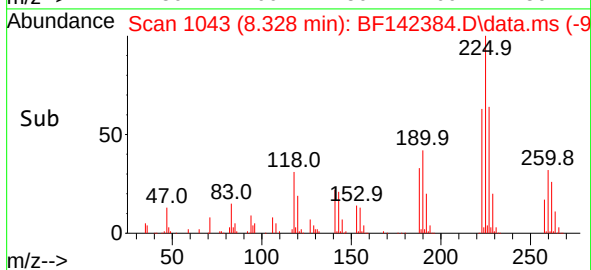
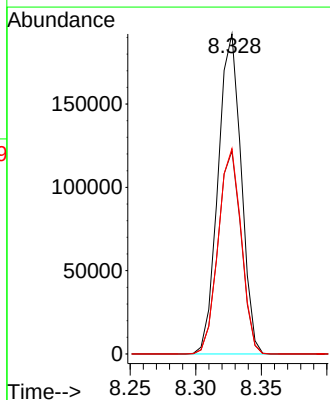
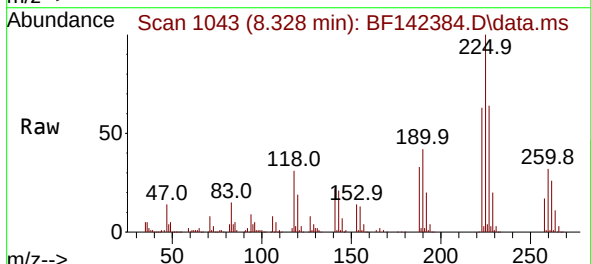
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

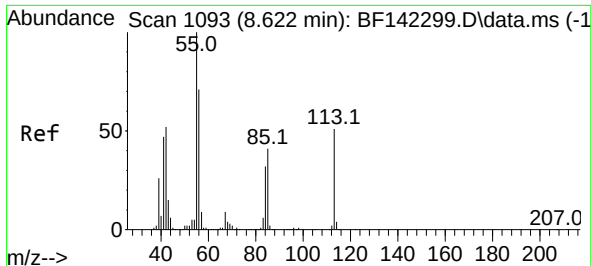
Tgt Ion:	127	Resp:	427785
Ion	Ratio	Lower	Upper
127	100		
129	32.0	25.7	38.5
65	29.7	24.9	37.3
92	18.6	14.9	22.3



#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

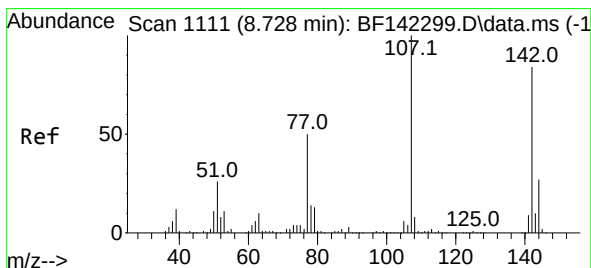
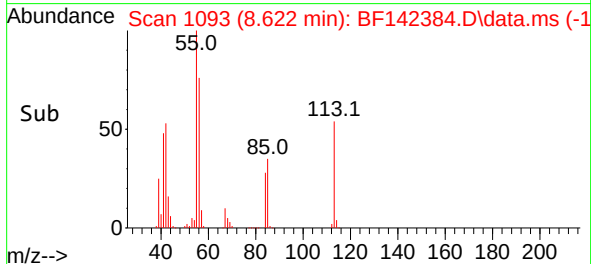
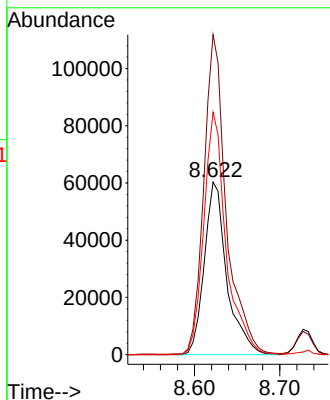
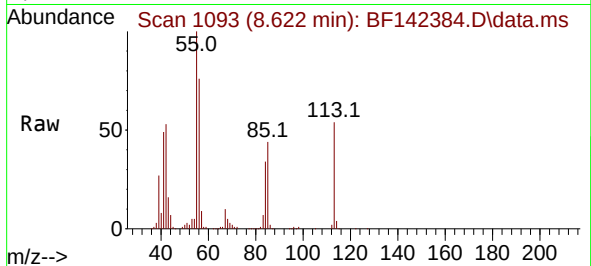




#35
 Caprolactam
 Concen: 43.955 ng
 RT: 8.622 min Scan# 1109
 Delta R.T. -0.000 min
 Lab File: BF142384.D
 Acq: 15 May 2025 10:08

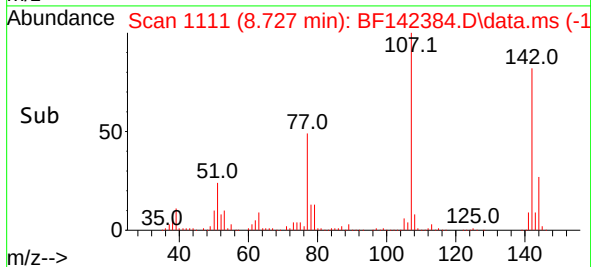
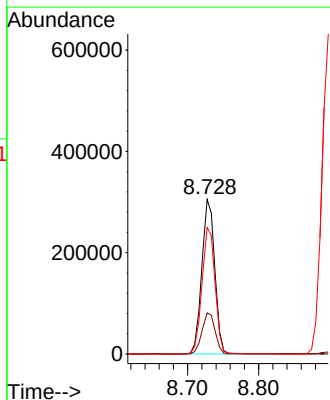
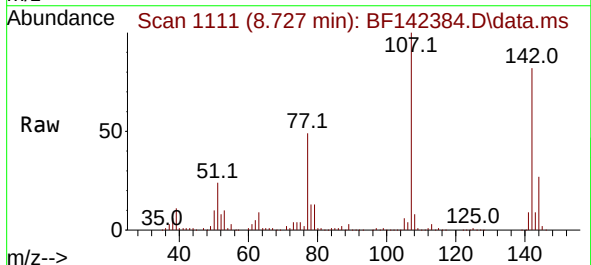
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

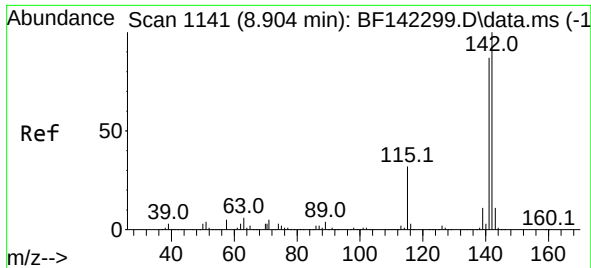
Tgt Ion:113 Resp: 110904
 Ion Ratio Lower Upper
 113 100
 55 185.4 176.4 216.4
 56 140.4 120.3 160.3



#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# 1140

Delta R.T. -0.006 min

Lab File: BF142384.D

Acq: 15 May 2025 10:08

Instrument :

BNA_F

ClientSampleId :

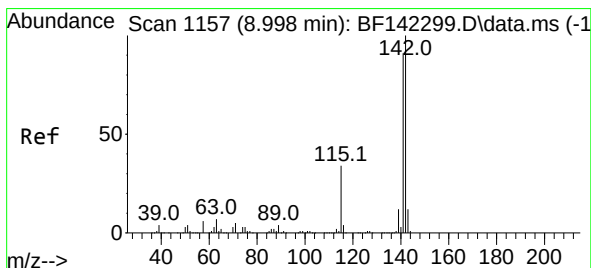
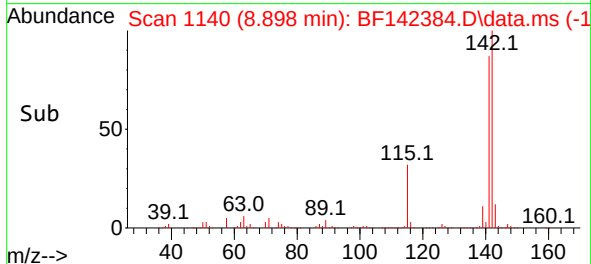
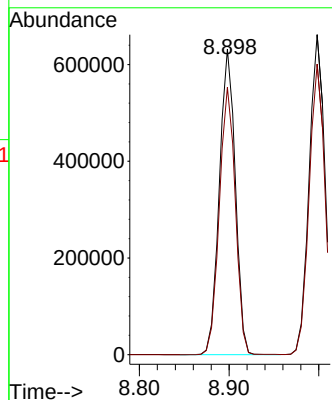
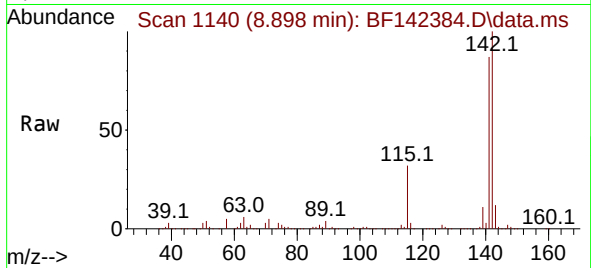
SSTDCCC040

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

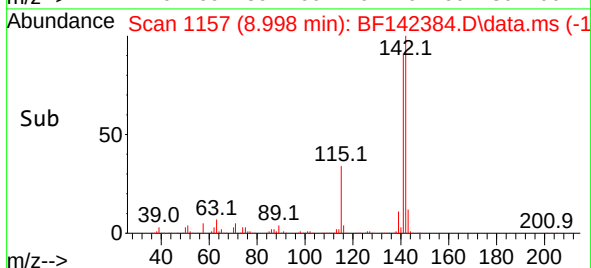
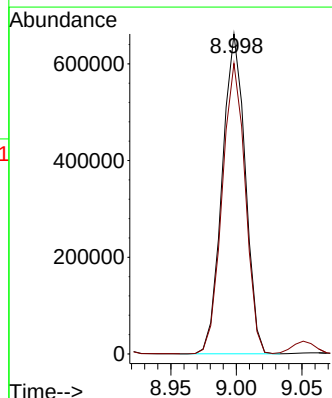
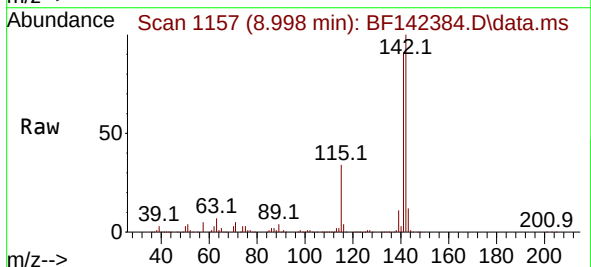
Acq: 15 May 2025 10:08

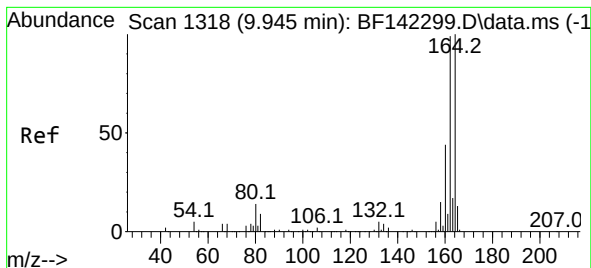
Tgt Ion:142 Resp: 807941

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# 1168

Delta R.T. 0.000 min

Lab File: BF142384.D

Acq: 15 May 2025 10:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

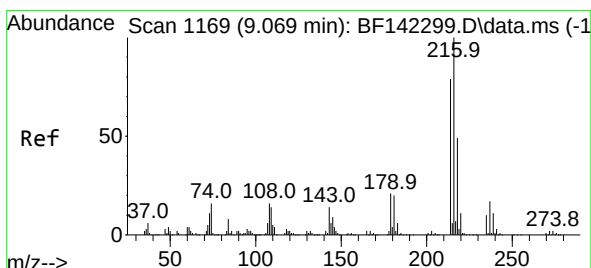
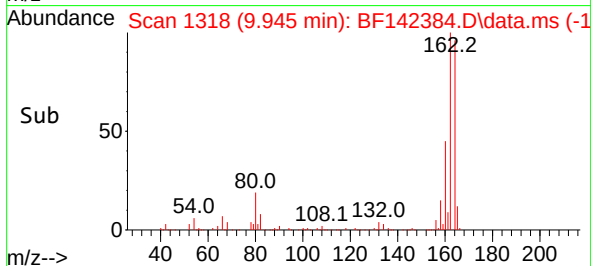
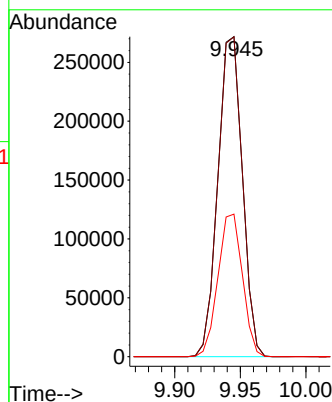
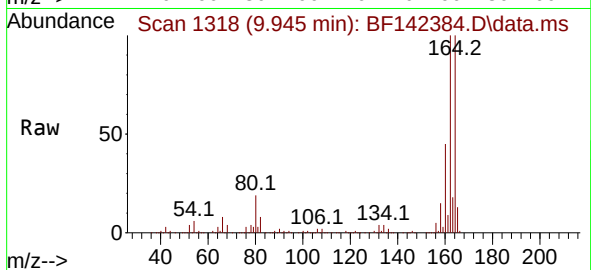
Tgt Ion:164 Resp: 352544

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

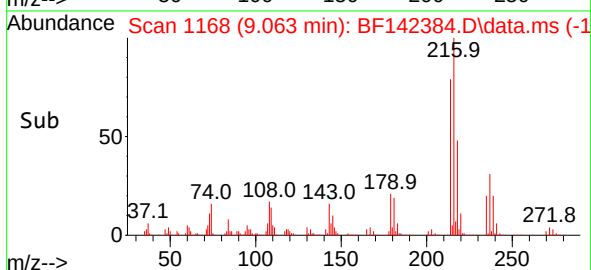
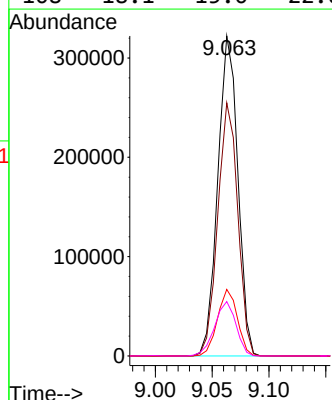
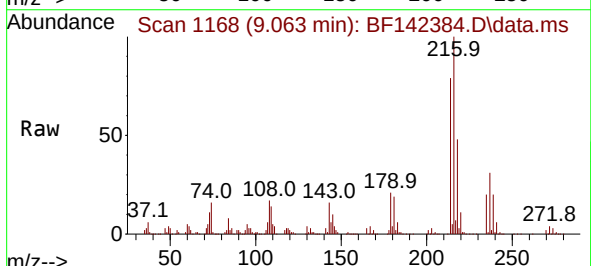
Ion Ratio Lower Upper

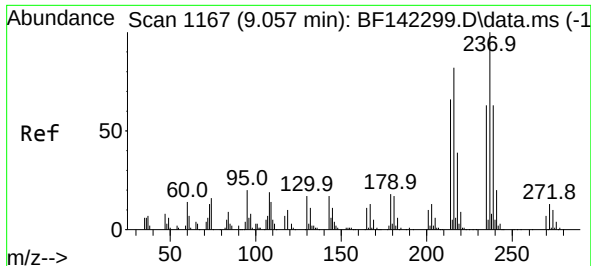
216 100

214 78.8 63.8 95.6

179 20.6 17.0 25.6

108 18.1 15.0 22.6

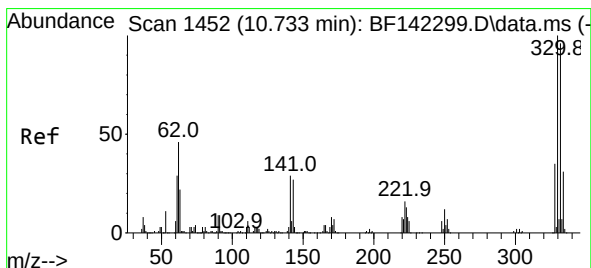
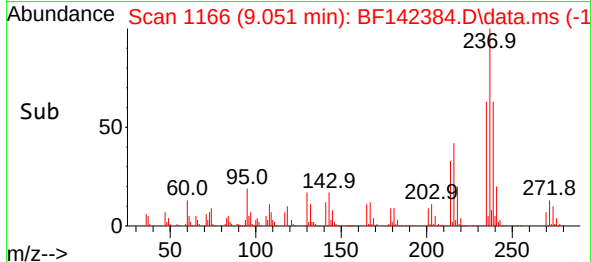
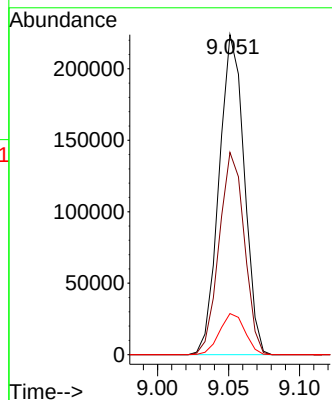
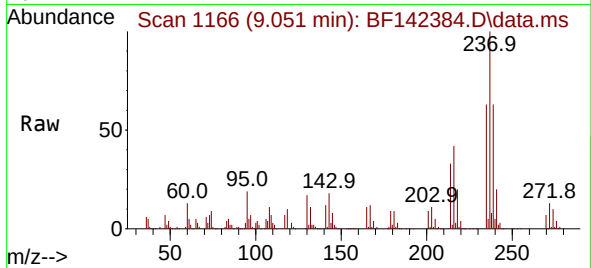




#41
Hexachlorocyclopentadiene
Concen: 45.288 ng
RT: 9.051 min Scan# 1166
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

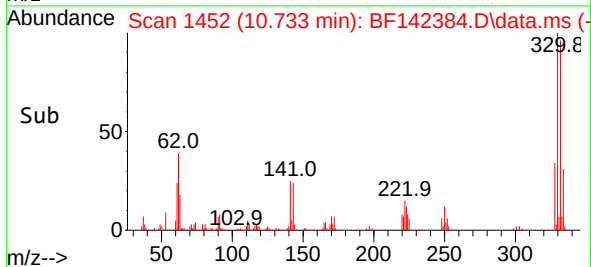
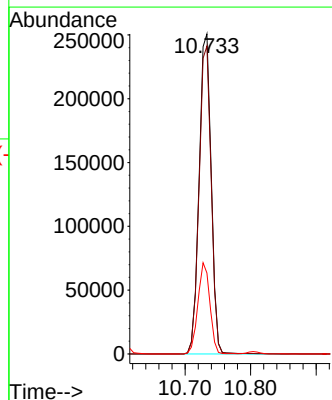
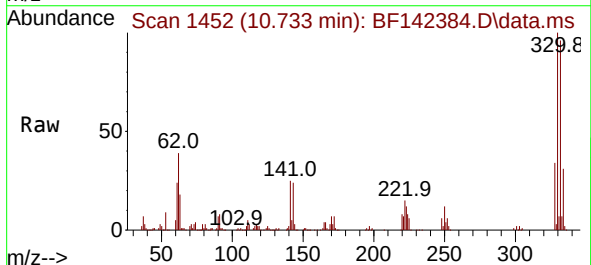
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

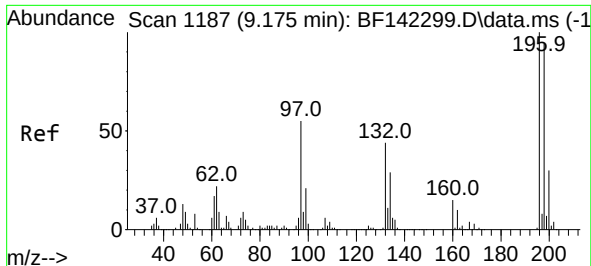
Tgt Ion:237 Resp: 275586
Ion Ratio Lower Upper
237 100
235 63.2 42.8 82.8
272 12.9 0.0 33.0



#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# 1187

Delta R.T. -0.000 min

Lab File: BF142384.D

Acq: 15 May 2025 10:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

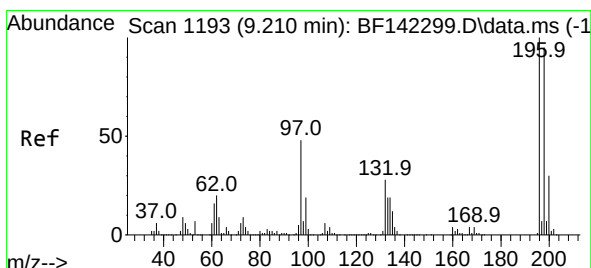
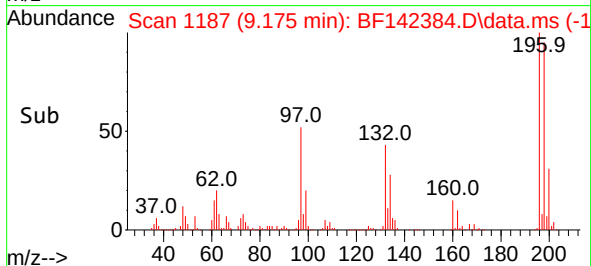
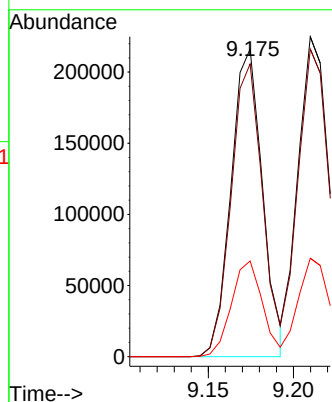
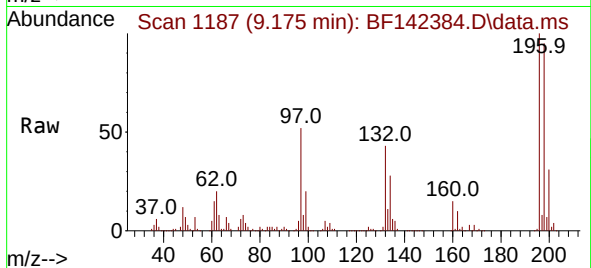
Tgt Ion:196 Resp: 277366

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

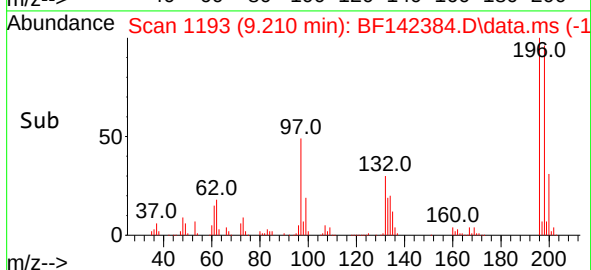
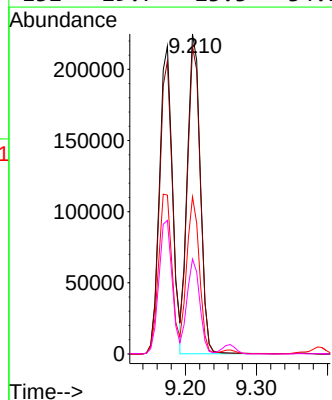
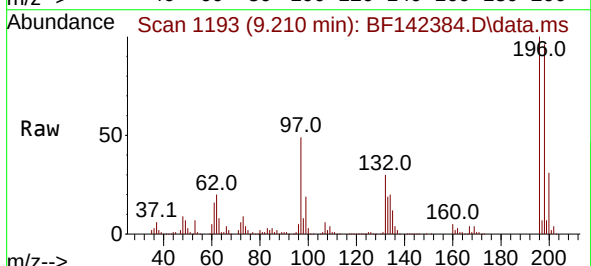
Ion Ratio Lower Upper

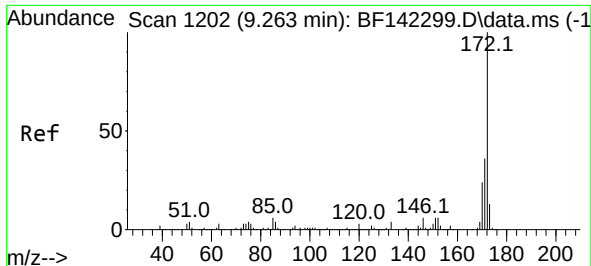
196 100

198 96.2 76.1 114.1

97 49.1 39.0 58.4

132 29.7 23.3 34.9

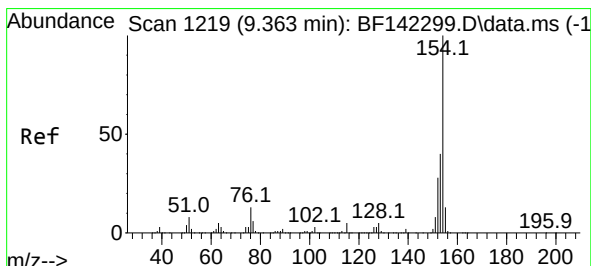
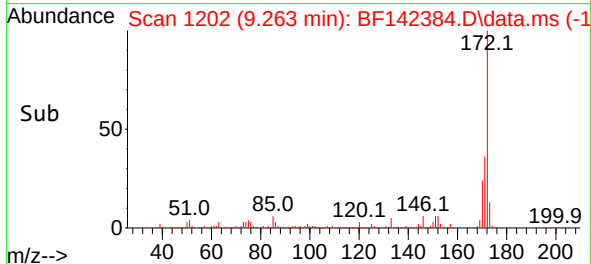
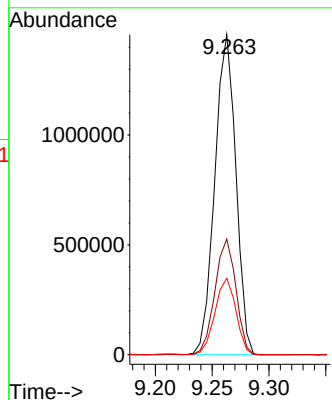
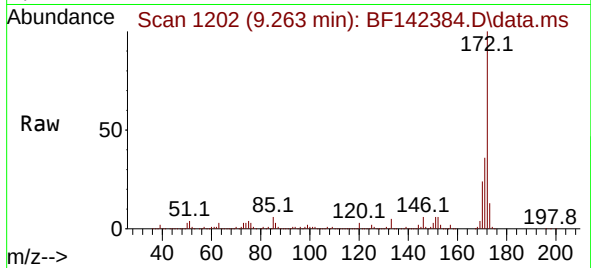




#45
2-Fluorobiphenyl
Concen: 76.057 ng
RT: 9.263 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

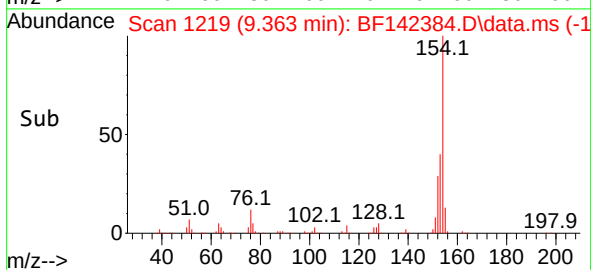
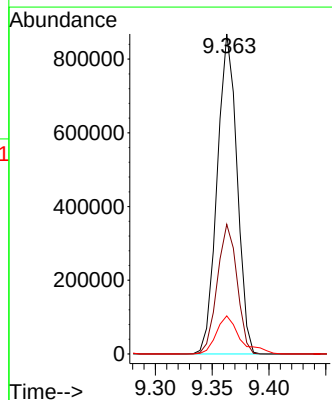
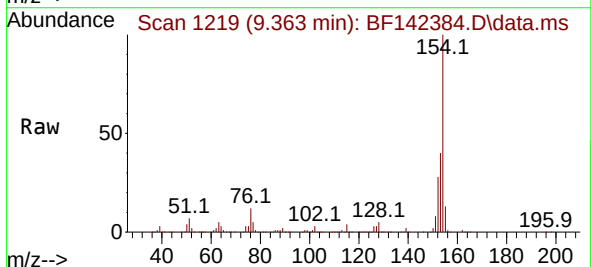
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

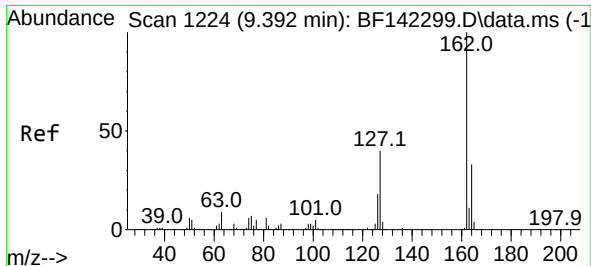
Tgt Ion:172 Resp: 1880482
Ion Ratio Lower Upper
172 100
171 36.2 28.6 42.8
170 23.9 19.0 28.4



#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

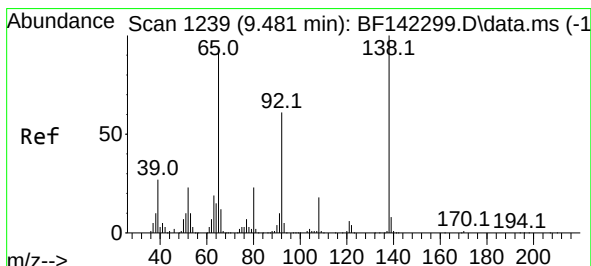
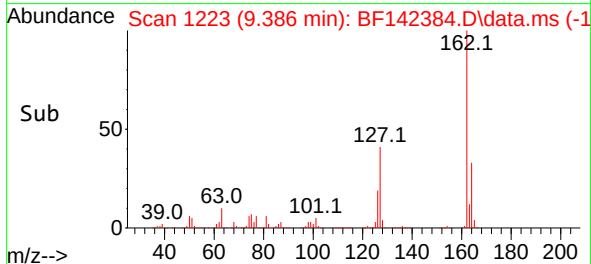
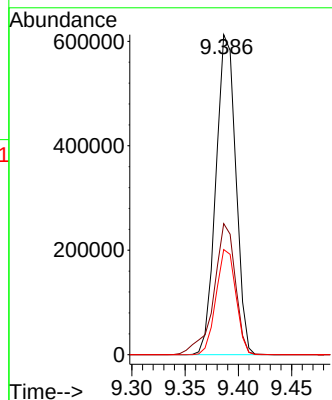
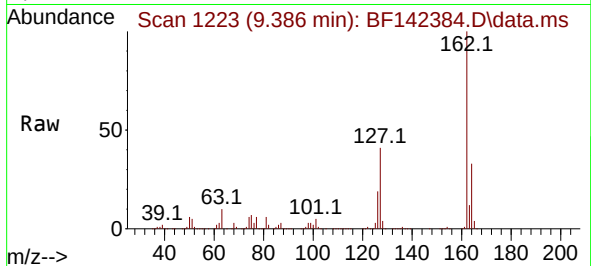




#47
2-Chloronaphthalene
Concen: 39.480 ng
RT: 9.386 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

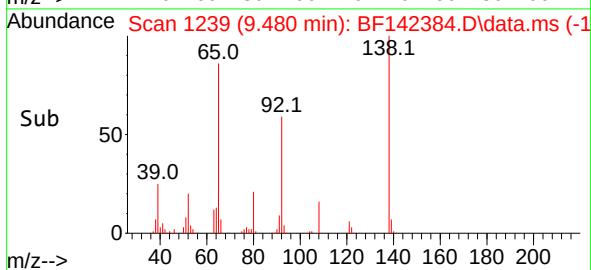
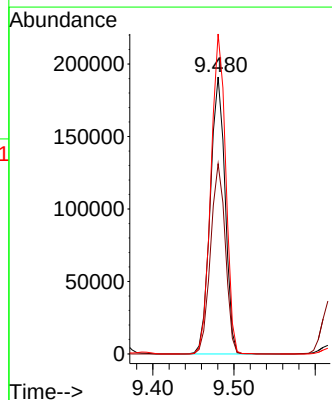
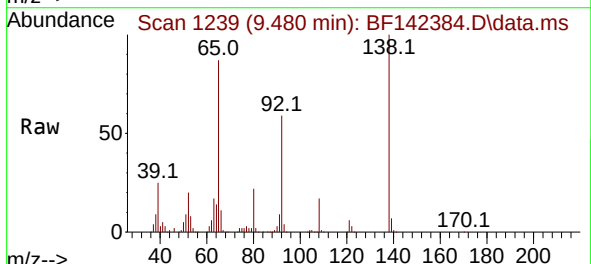
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

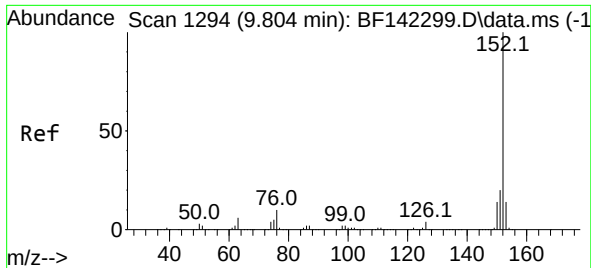
Tgt Ion:162 Resp: 793640
Ion Ratio Lower Upper
162 100
127 40.9 32.3 48.5
164 32.9 26.6 40.0



#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

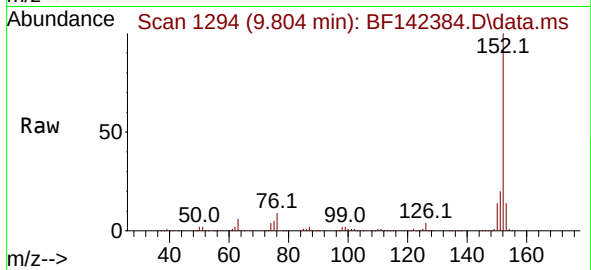
Tgt Ion: 65 Resp: 242020
Ion Ratio Lower Upper
65 100
92 68.7 52.3 78.5
138 115.5 85.6 128.4



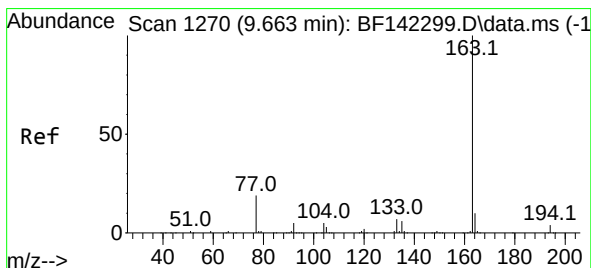
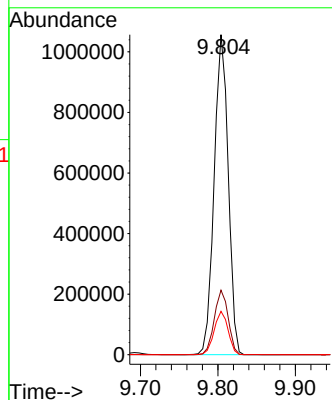
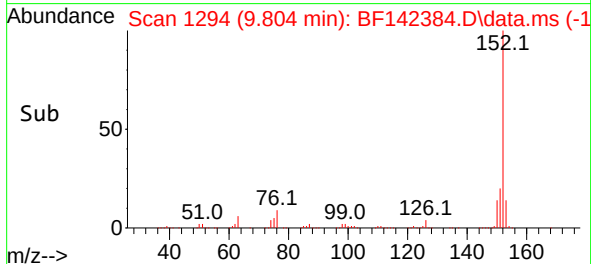


#49
Acenaphthylene
Concen: 39.556 ng
RT: 9.804 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

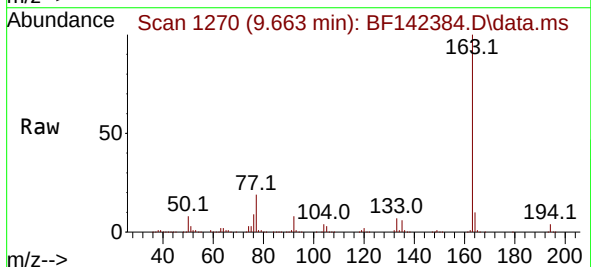
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040



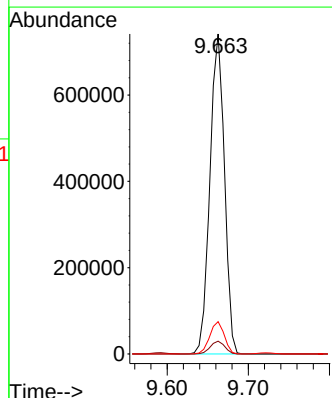
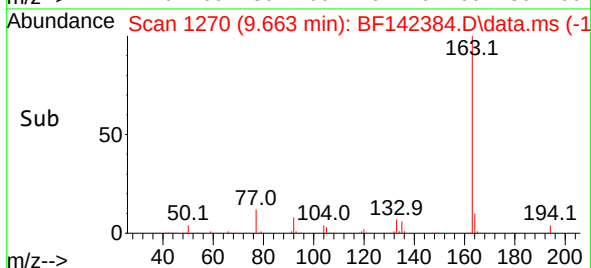
Tgt Ion:152 Resp: 1330203
Ion Ratio Lower Upper
152 100
151 20.1 16.0 24.0
153 13.5 10.8 16.2

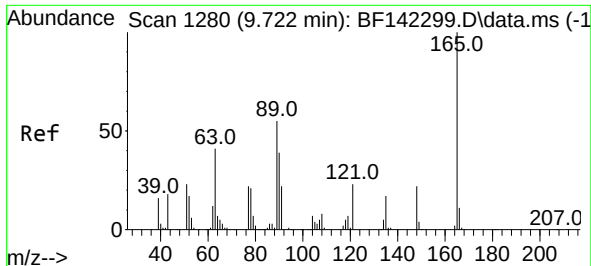


#50
Dimethylphthalate
Concen: 40.641 ng
RT: 9.663 min Scan# 1270
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08



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

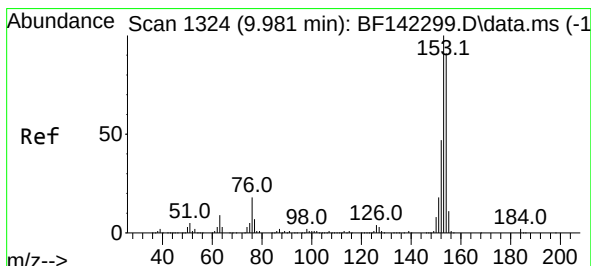
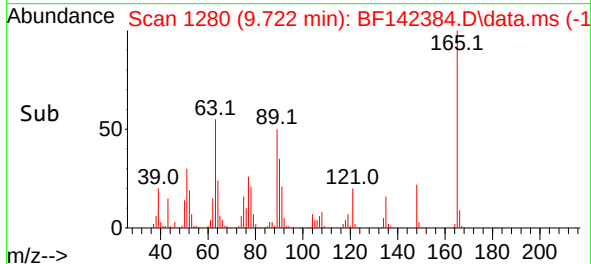
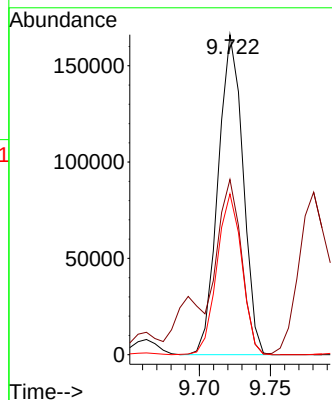
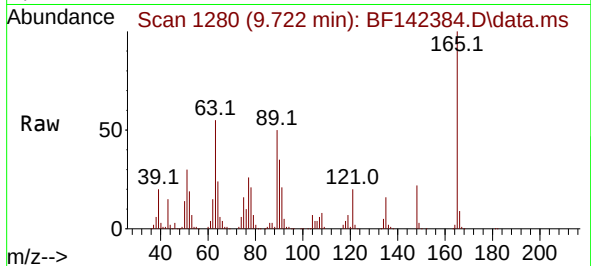




#51
2,6-Dinitrotoluene
Concen: 47.782 ng
RT: 9.722 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

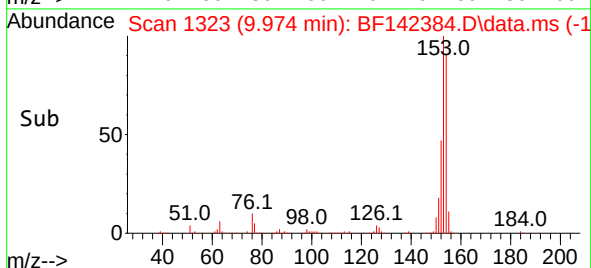
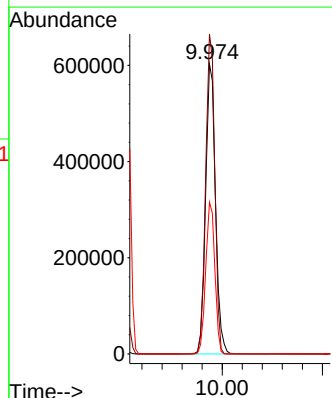
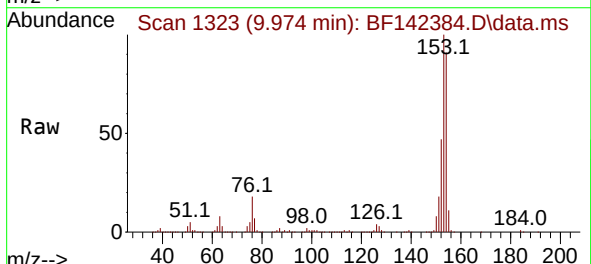
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

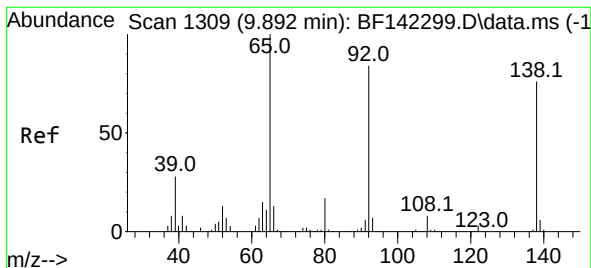
Tgt Ion:165 Resp: 202470
Ion Ratio Lower Upper
165 100
63 54.8 49.5 74.3
89 50.3 44.6 66.8



#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# 1309

Delta R.T. -0.000 min

Lab File: BF142384.D

Acq: 15 May 2025 10:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

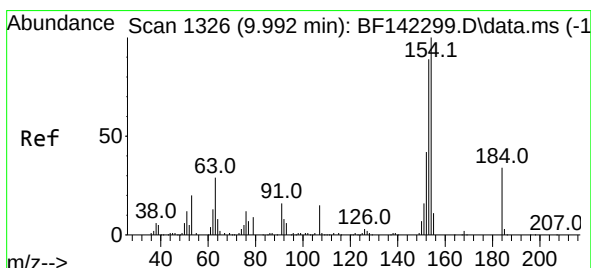
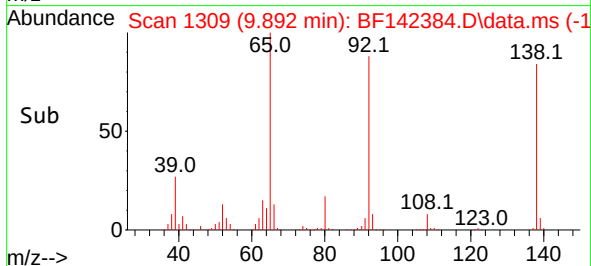
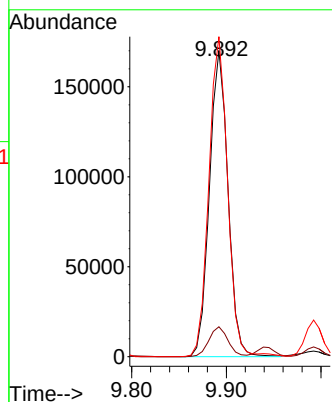
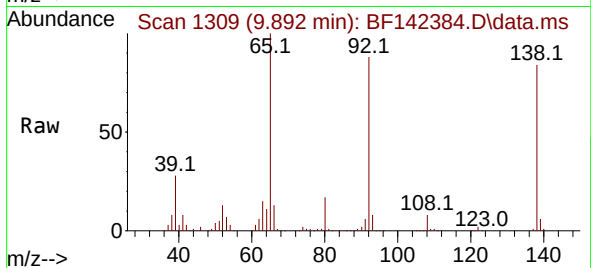
Tgt Ion:138 Resp: 231519

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

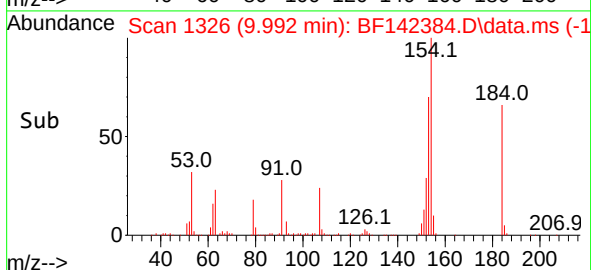
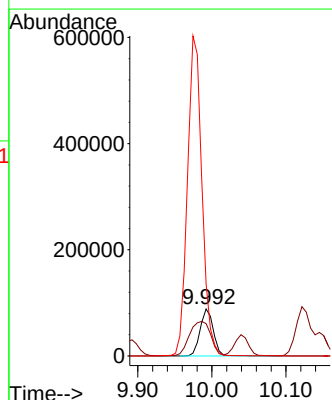
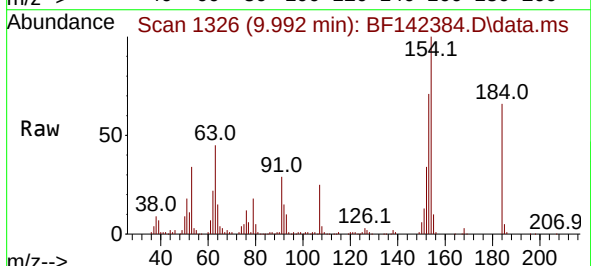
Tgt Ion:184 Resp: 109406

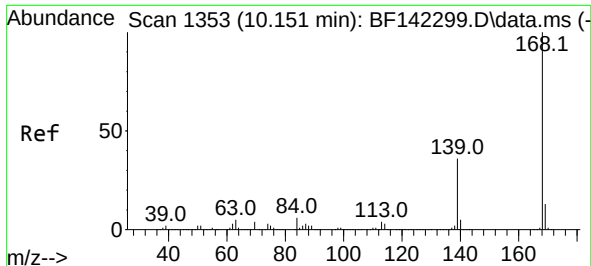
Ion Ratio Lower Upper

184 100

63 68.7 70.6 105.8#

154 152.4 257.2 385.8#

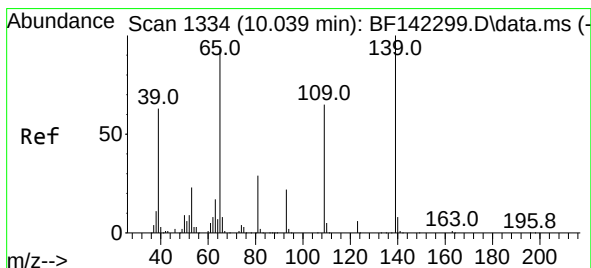
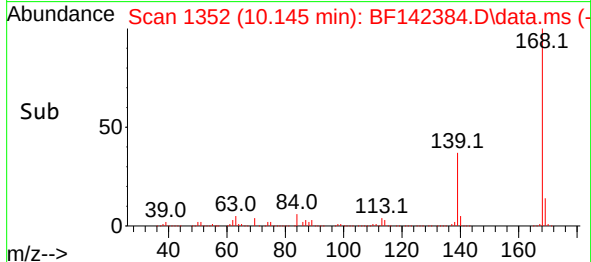
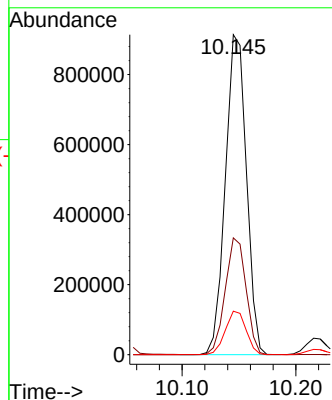
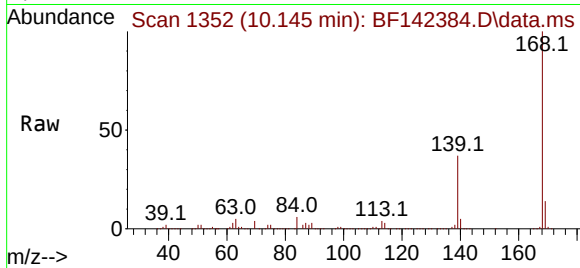




#55
Dibenzenofuran
Concen: 39.460 ng
RT: 10.145 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

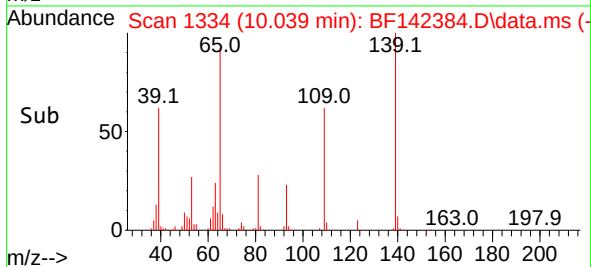
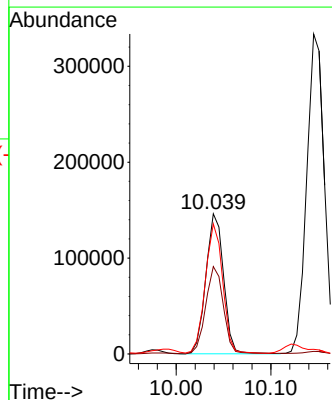
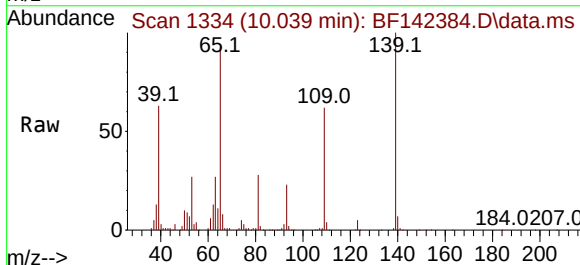
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

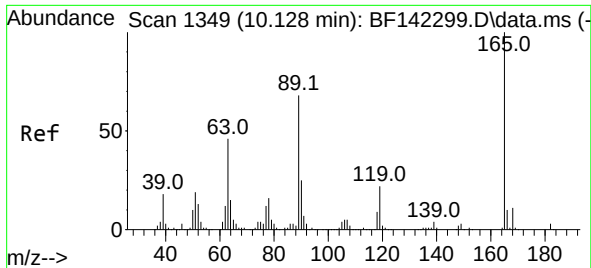
Tgt Ion:168 Resp: 1177533
Ion Ratio Lower Upper
168 100
139 36.5 29.0 43.4
169 13.6 10.7 16.1



#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

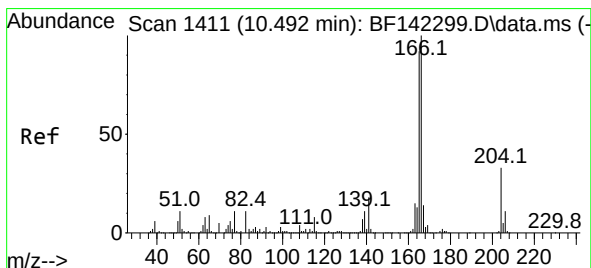
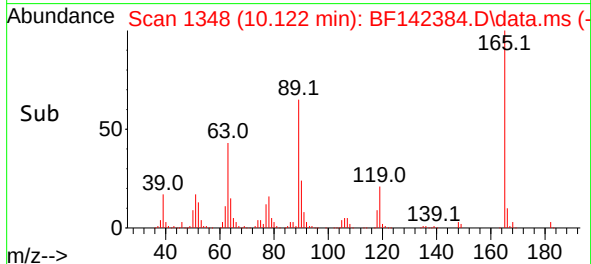
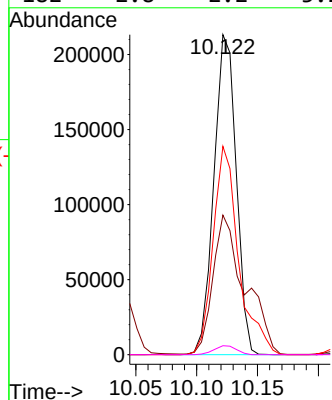
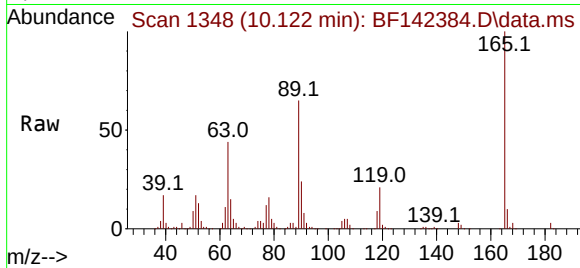




#57
2,4-Dinitrotoluene
Concen: 50.147 ng
RT: 10.122 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

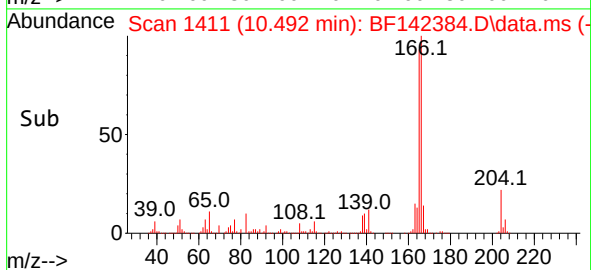
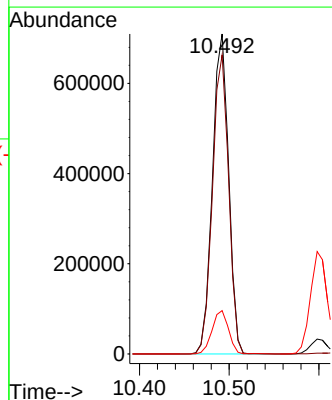
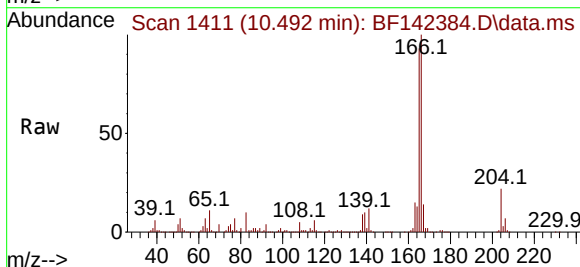
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

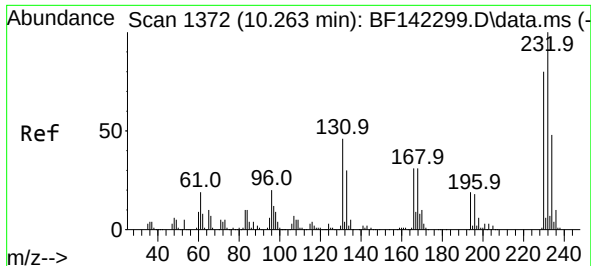
Tgt Ion:165 Resp: 272568
Ion Ratio Lower Upper
165 100
63 43.6 37.1 55.7
89 65.1 54.4 81.6
182 2.8 2.2 3.2



#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

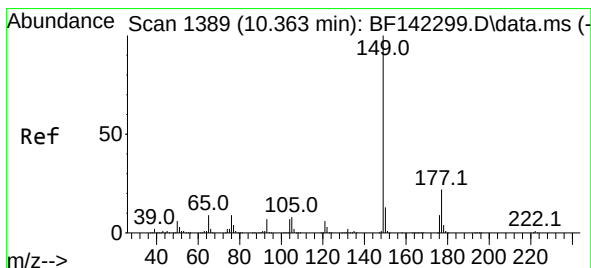
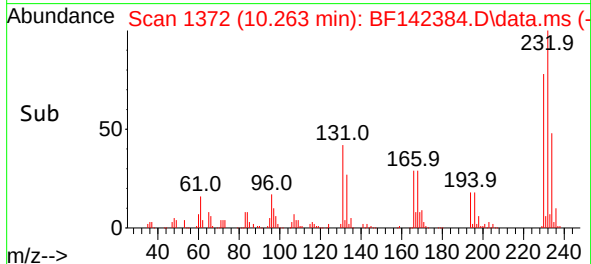
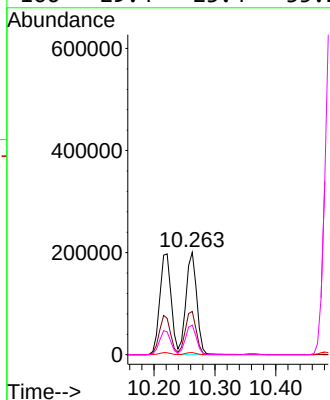
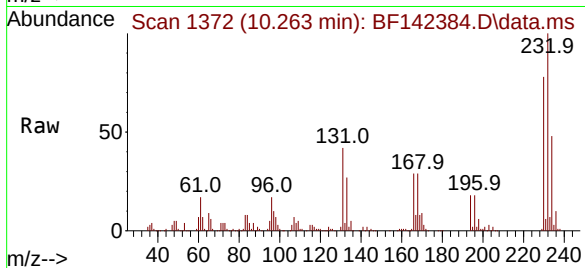




#59
2,3,4,6-Tetrachlorophenol
Concen: 45.231 ng
RT: 10.263 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

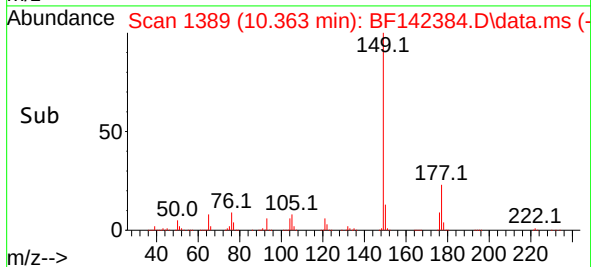
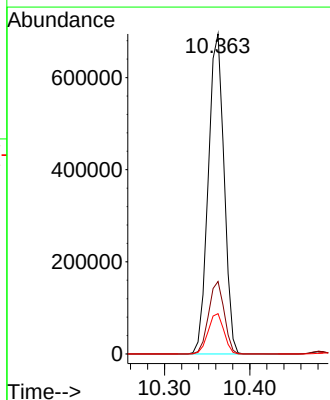
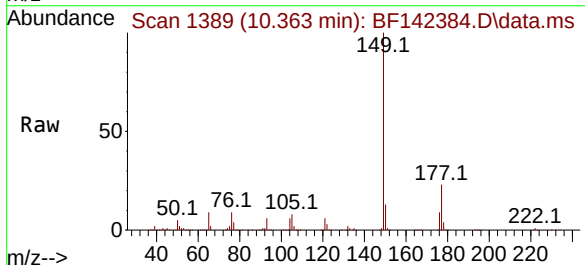
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

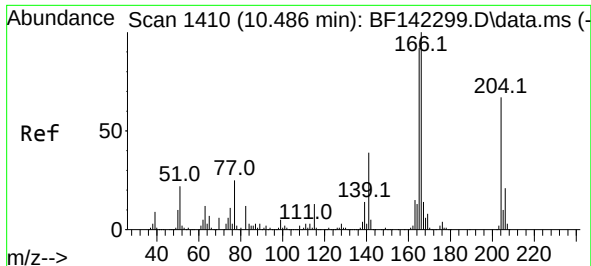
Tgt Ion:232 Resp: 246742
Ion Ratio Lower Upper
232 100
131 43.3 36.0 54.0
130 2.1 1.8 2.6
166 29.4 23.4 35.2



#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

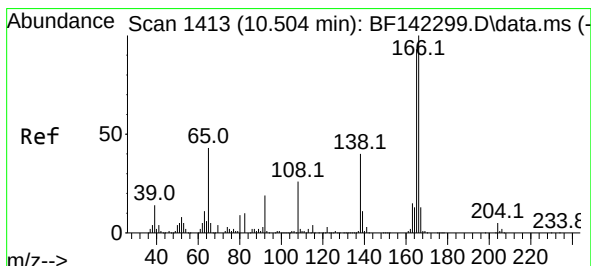
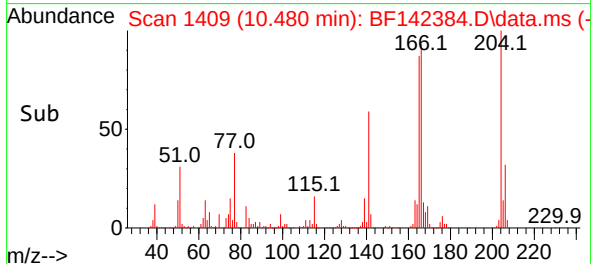
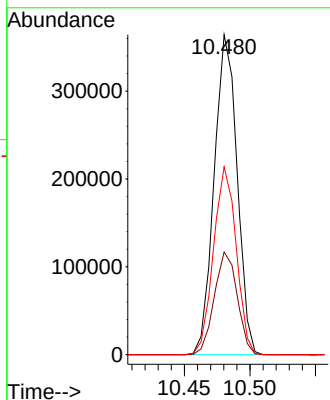
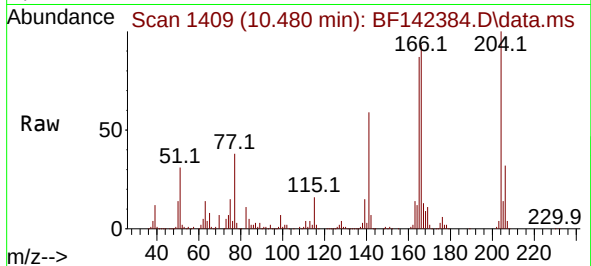




#61
4-Chlorophenyl-phenylether
Concen: 40.251 ng
RT: 10.480 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

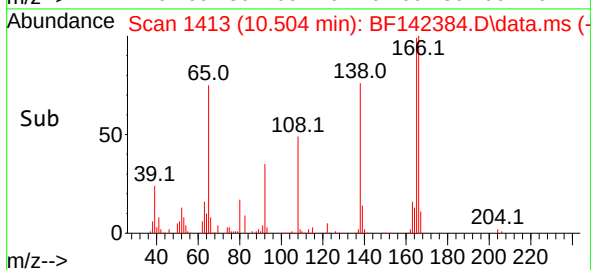
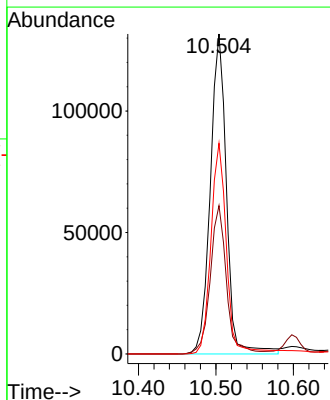
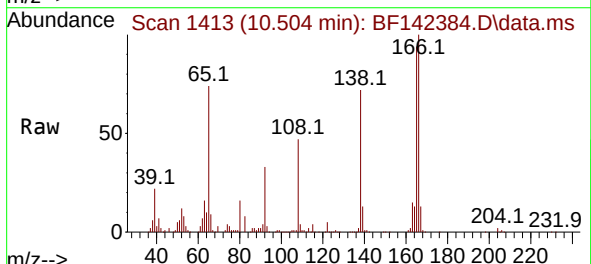
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

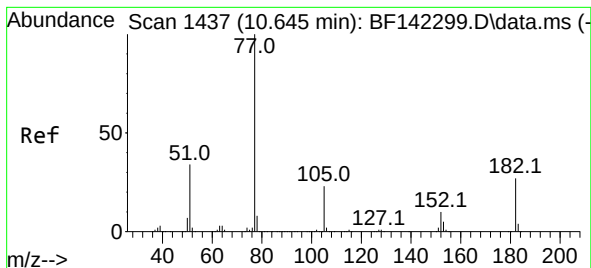
Tgt Ion:204 Resp: 442251
Ion Ratio Lower Upper
204 100
206 32.1 25.5 38.3
141 58.6 46.4 69.6



#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# 1436

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

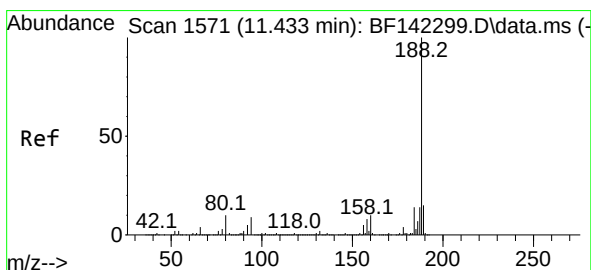
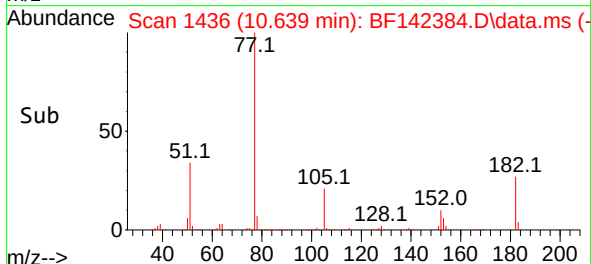
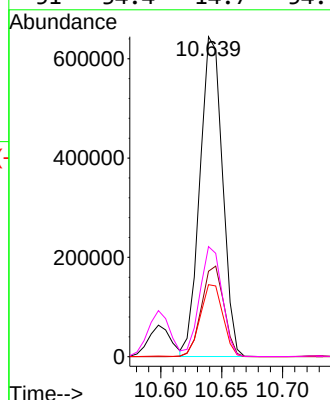
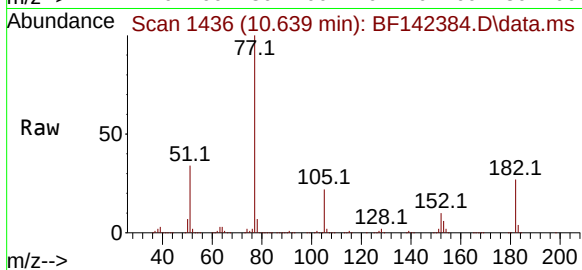
Ion Ratio Lower Upper

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

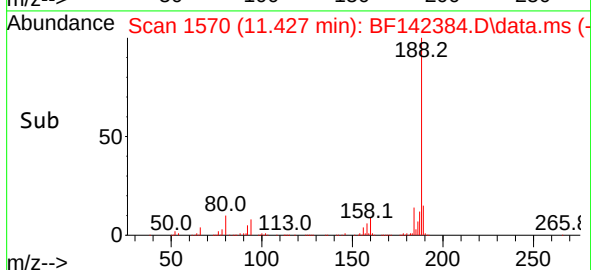
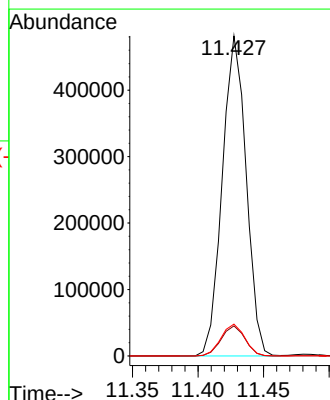
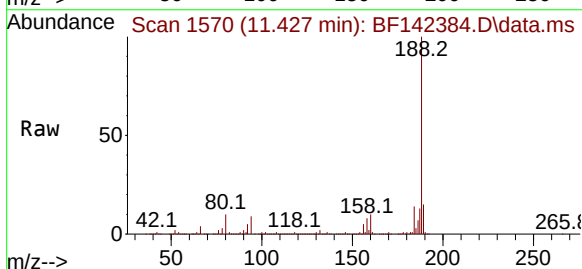
Tgt Ion:188 Resp: 609842

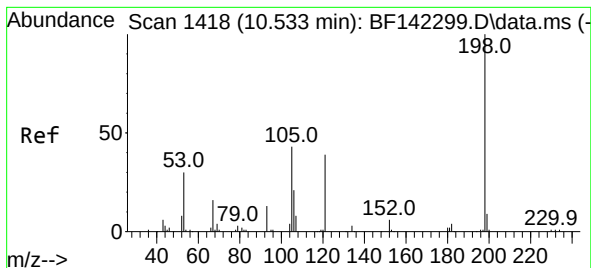
Ion Ratio Lower Upper

188 100

94 9.4 7.5 11.3

80 10.0 7.9 11.9

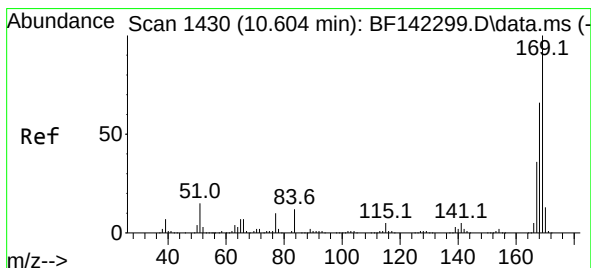
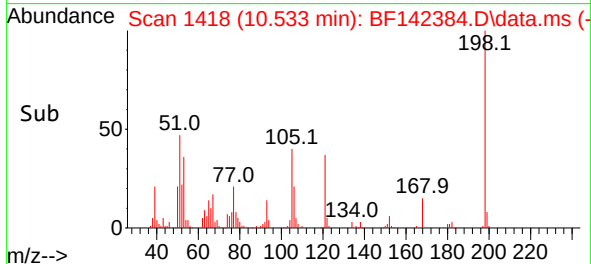
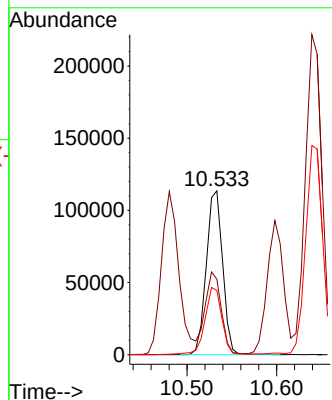
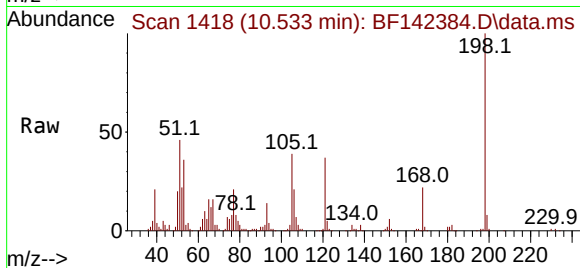




#65
4,6-Dinitro-2-methylphenol
Concen: 50.061 ng
RT: 10.533 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

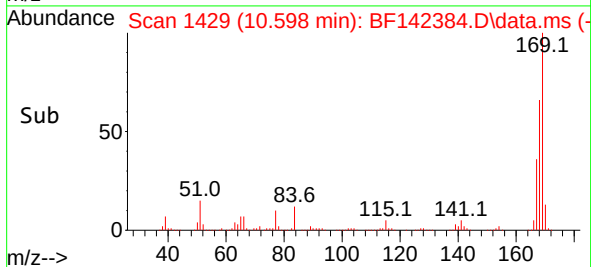
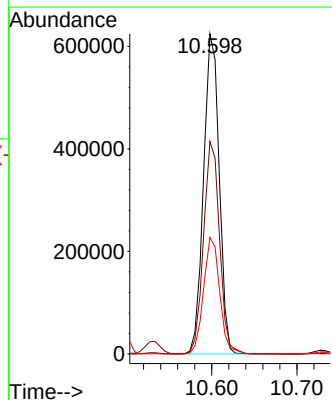
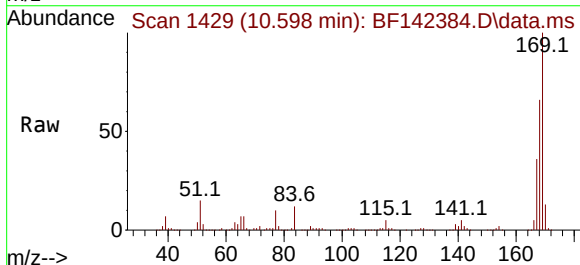
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

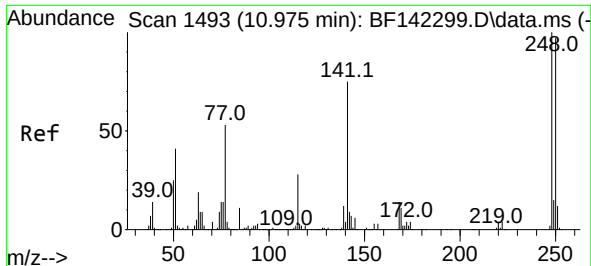
Tgt Ion:198 Resp: 143343
Ion Ratio Lower Upper
198 100
51 46.1 32.9 72.9
105 39.2 23.7 63.7



#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

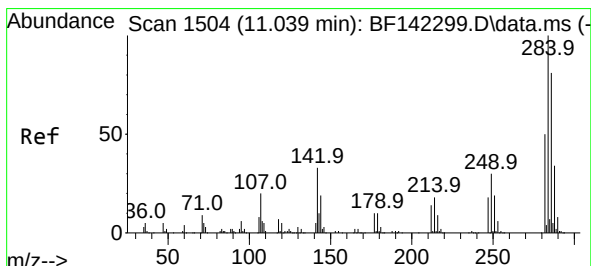
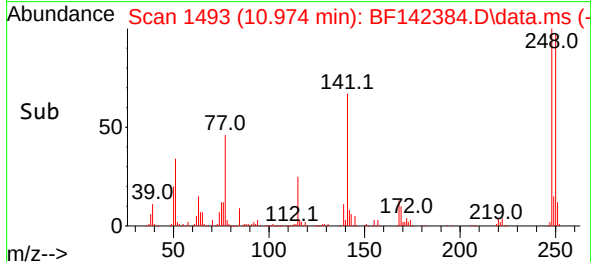
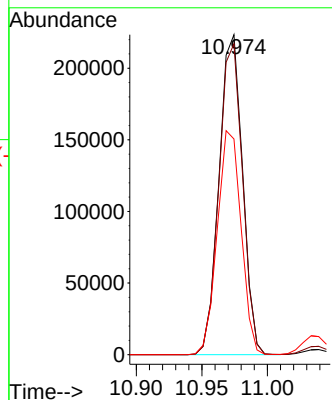
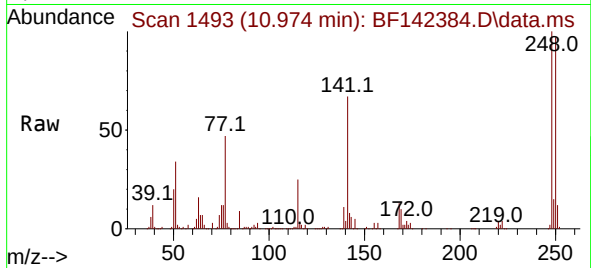




#67
4-Bromophenyl-phenylether
Concen: 40.333 ng
RT: 10.974 min Scan# 1493
Delta R.T. -0.000 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

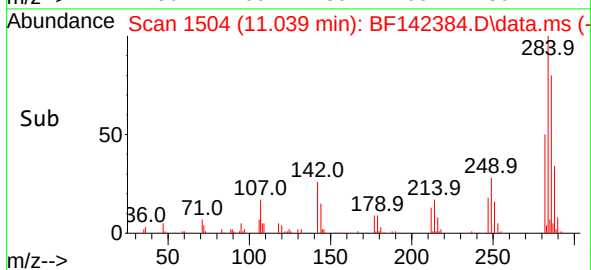
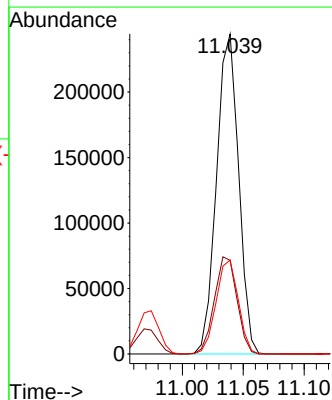
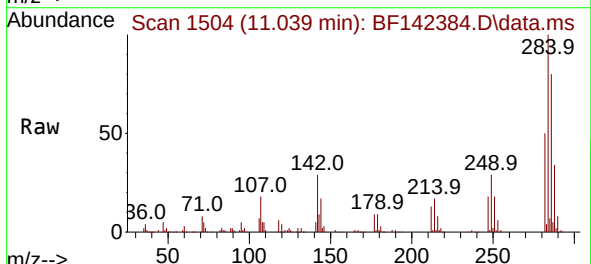
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

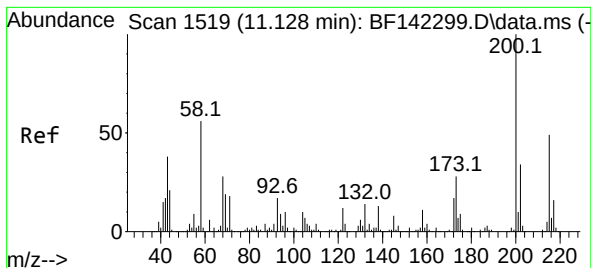
Tgt Ion:248 Resp: 278763
Ion Ratio Lower Upper
248 100
250 97.1 77.9 116.9
141 67.4 59.8 89.8



#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

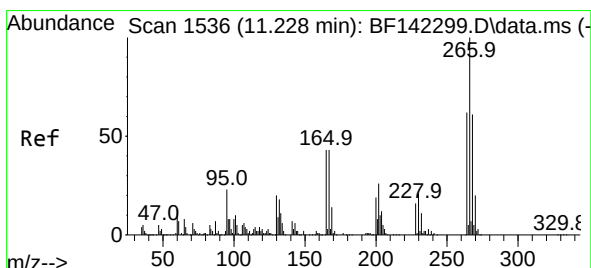
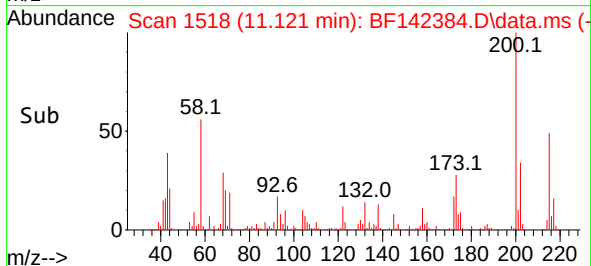
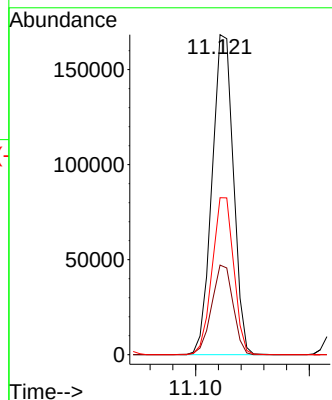
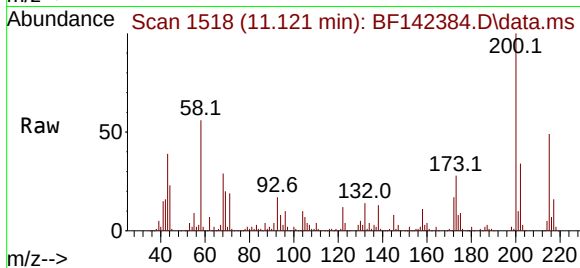
Tgt Ion:200 Resp: 220173

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

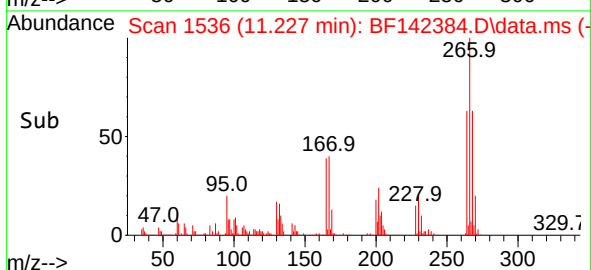
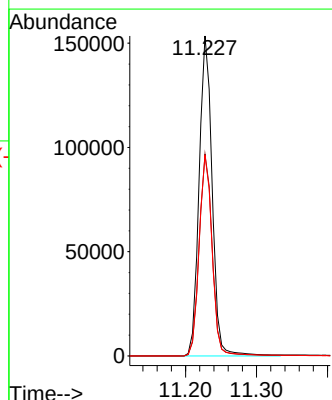
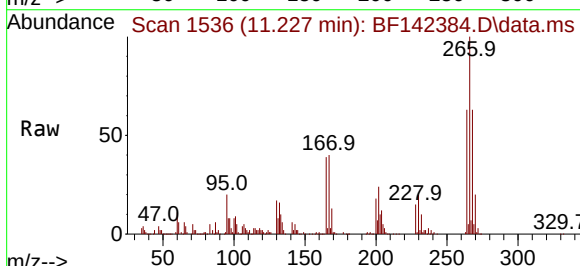
Tgt Ion:266 Resp: 196607

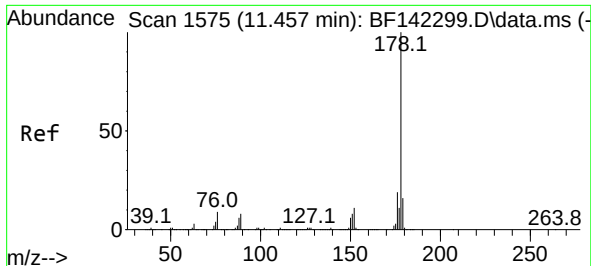
Ion Ratio Lower Upper

266 100

268 63.1 48.7 73.1

264 62.8 49.8 74.6

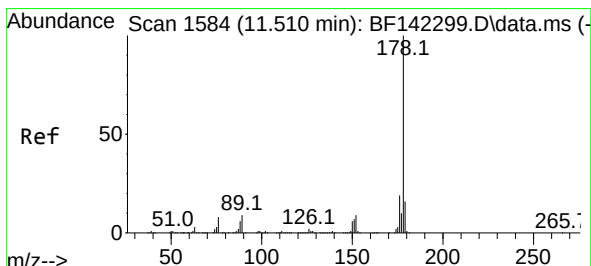
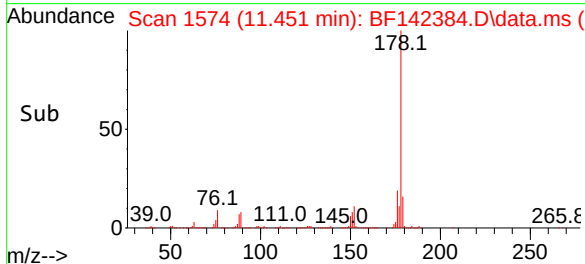
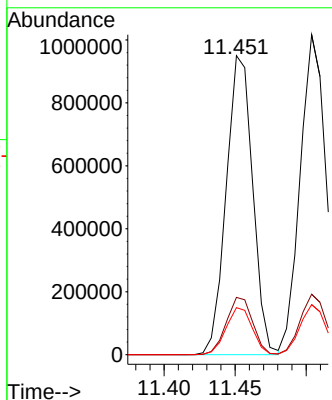
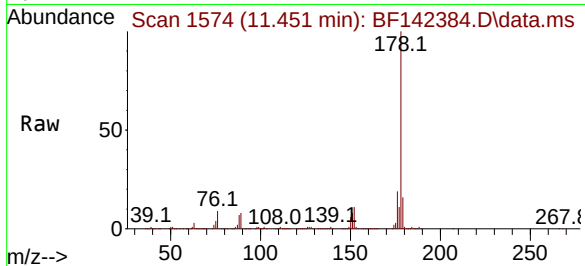




#71
Phenanthrene
Concen: 38.567 ng
RT: 11.451 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

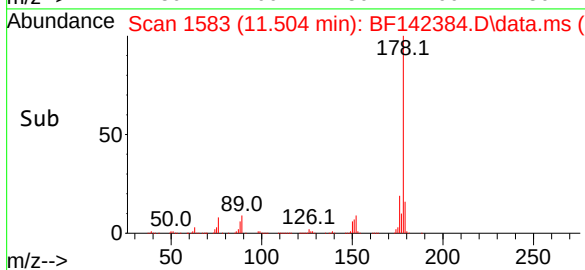
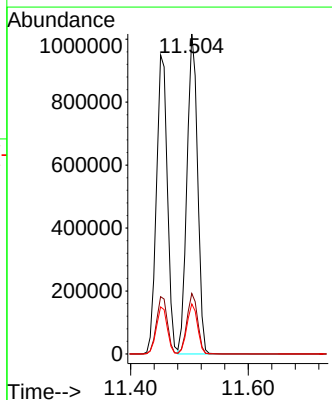
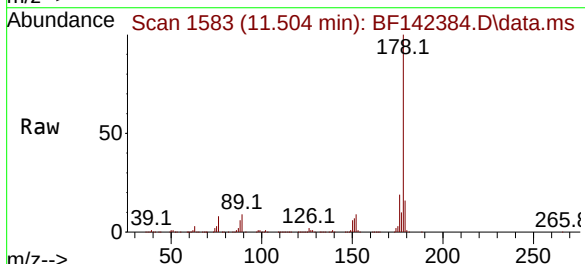
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

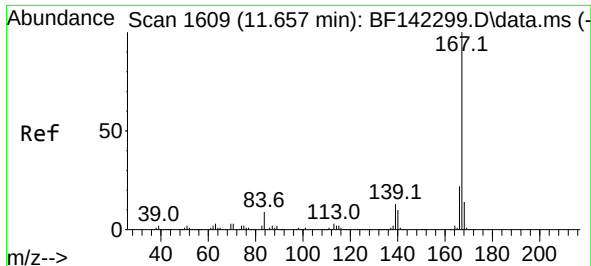
Tgt Ion:178 Resp: 1232846
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.8 12.6 18.8



#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

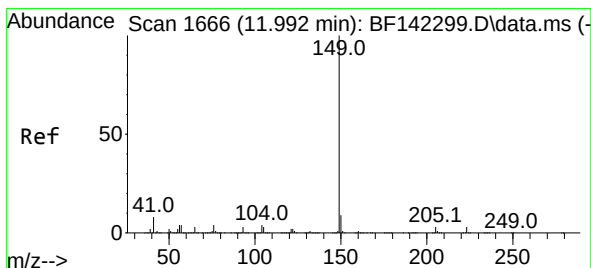
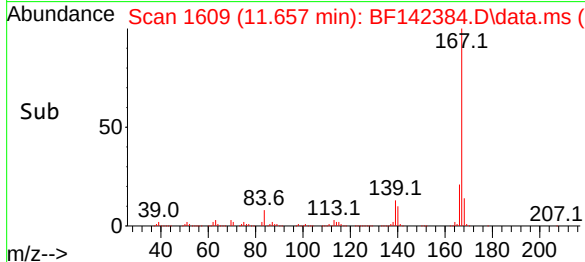
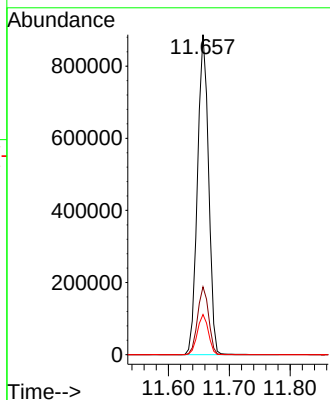
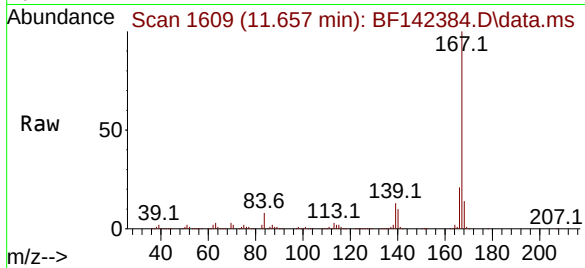




#73
 Carbazole
 Concen: 38.029 ng
 RT: 11.657 min Scan# 1609
 Delta R.T. -0.000 min
 Lab File: BF142384.D
 Acq: 15 May 2025 10:08

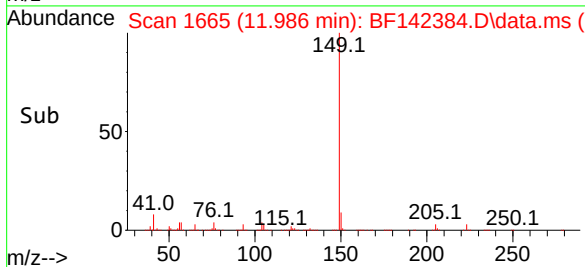
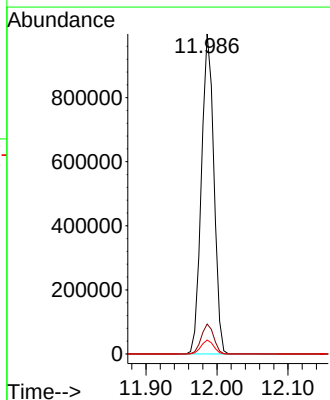
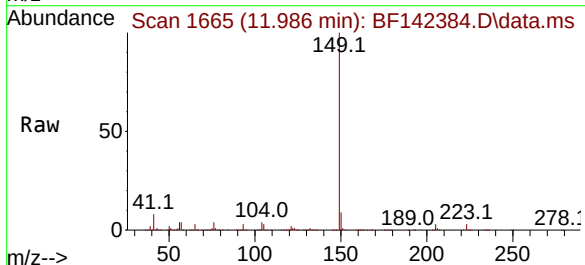
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

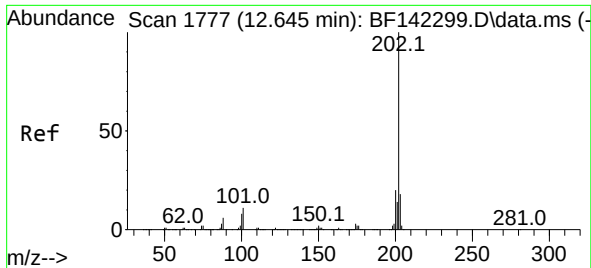
Tgt Ion:167 Resp: 1120621
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.2 25.8
 139 12.5 10.3 15.5



#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

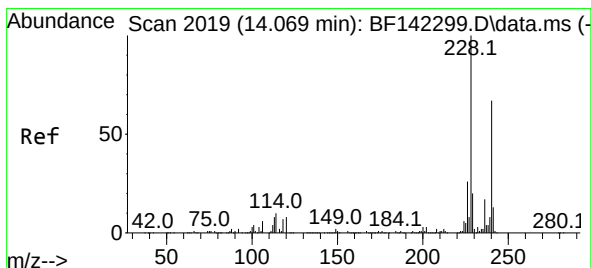
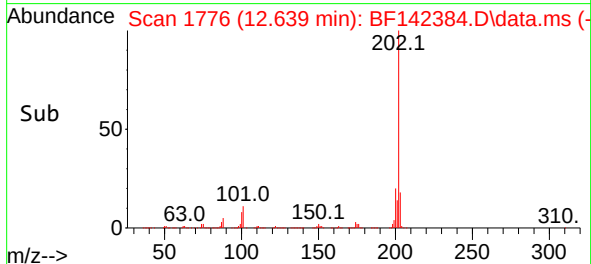
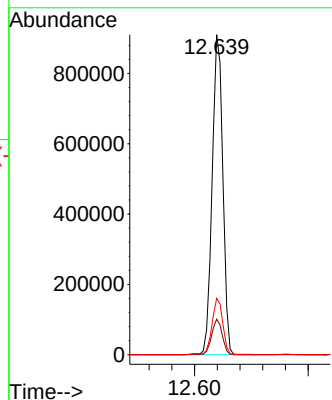
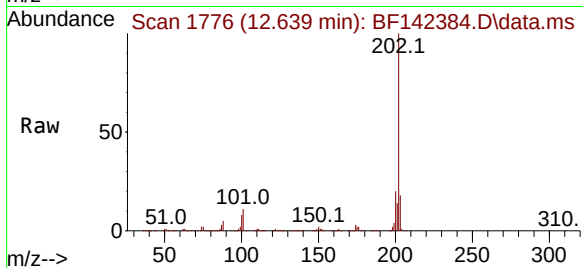




#75
Fluoranthene
Concen: 36.881 ng
RT: 12.639 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

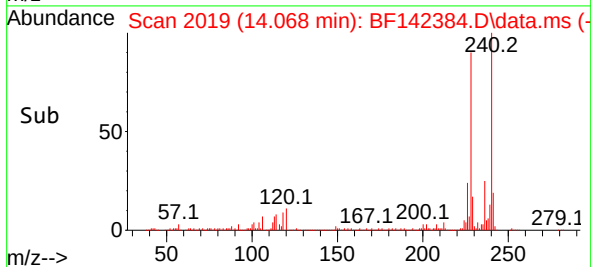
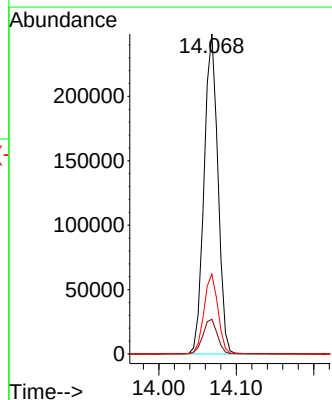
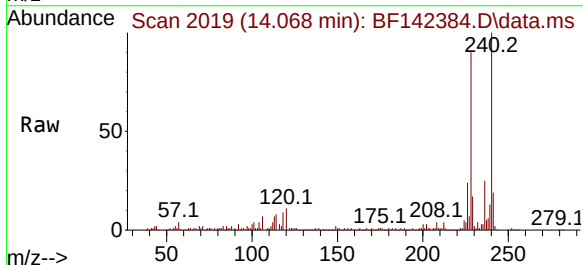
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

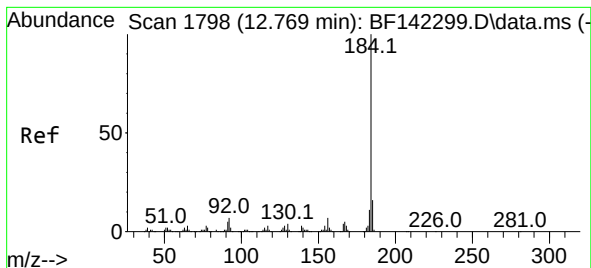
Tgt Ion:202 Resp: 1178524
Ion Ratio Lower Upper
202 100
101 11.1 0.0 31.4
203 17.6 0.0 37.9



#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# 11

Delta R.T. -0.006 min

Lab File: BF142384.D

Acq: 15 May 2025 10:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

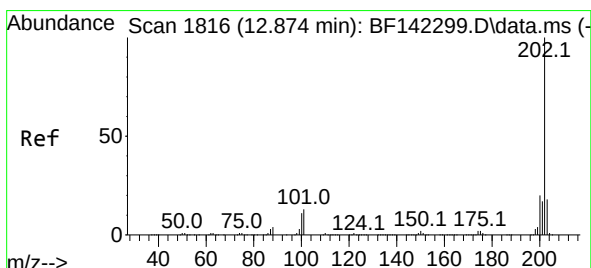
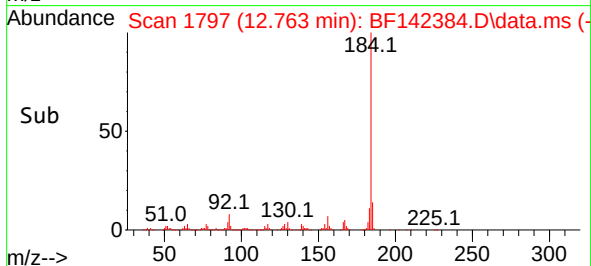
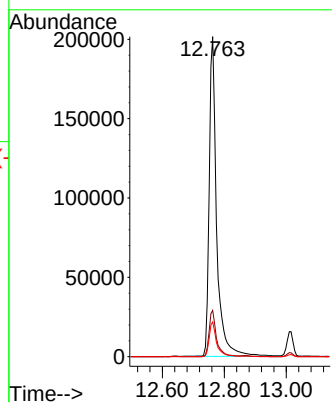
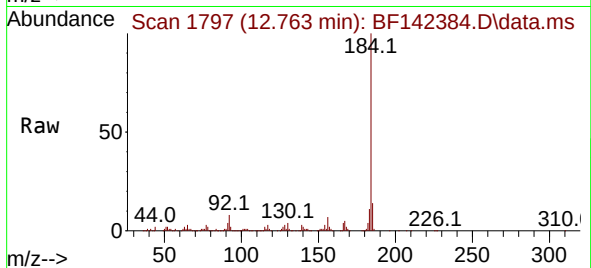
Tgt Ion:184 Resp: 338767

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

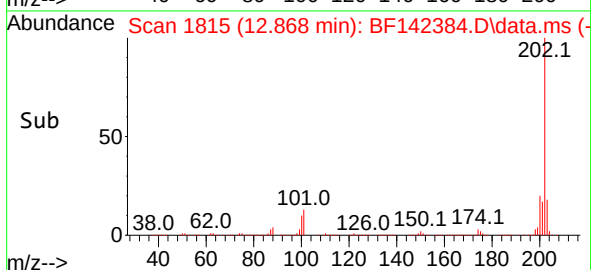
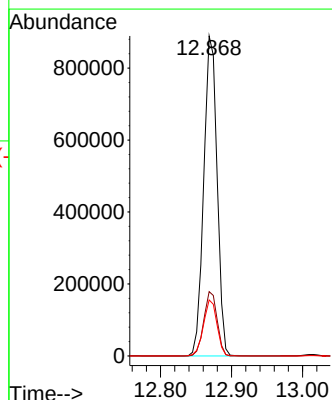
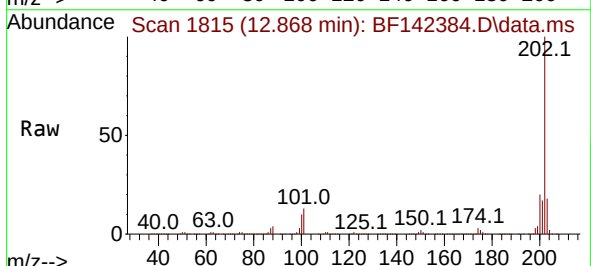
Tgt Ion:202 Resp: 1163491

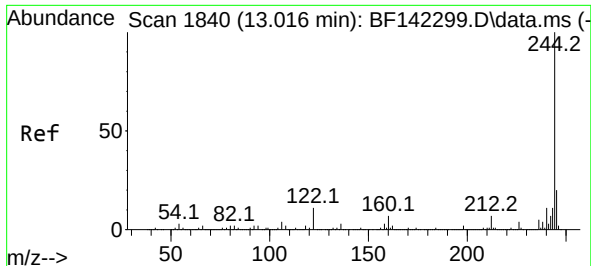
Ion Ratio Lower Upper

202 100

200 20.1 16.2 24.4

203 17.5 14.3 21.5

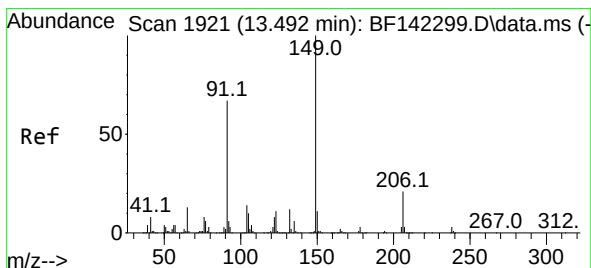
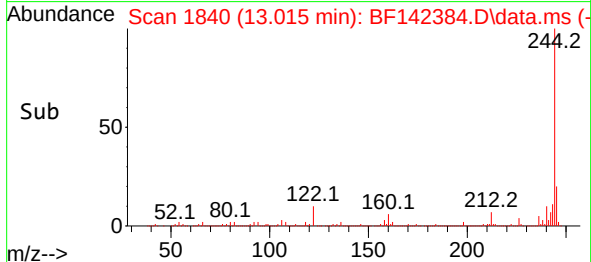
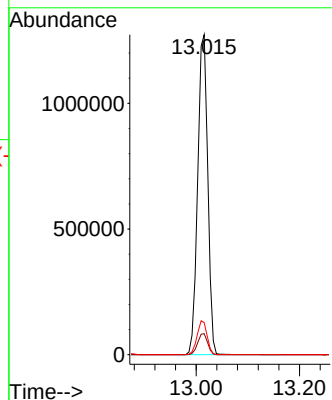
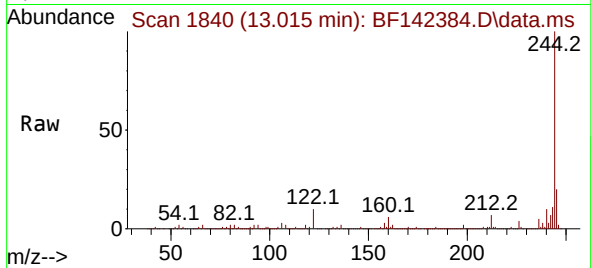




#79
 Terphenyl-d14
 Concen: 82.657 ng
 RT: 13.015 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF142384.D
 Acq: 15 May 2025 10:08

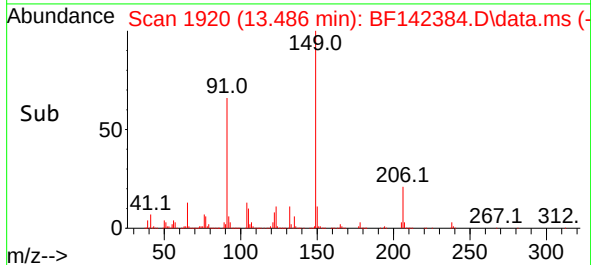
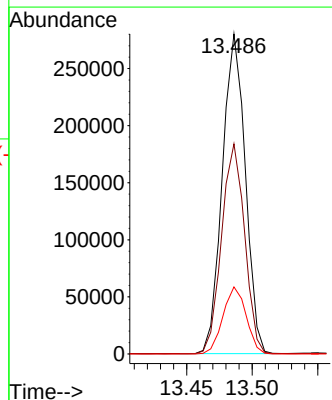
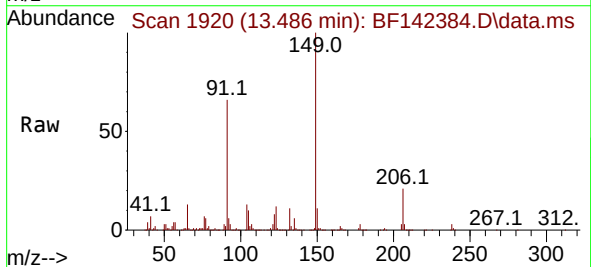
Instrument :
 BNA_F
 ClientSampleId :
 SSTDCCC040

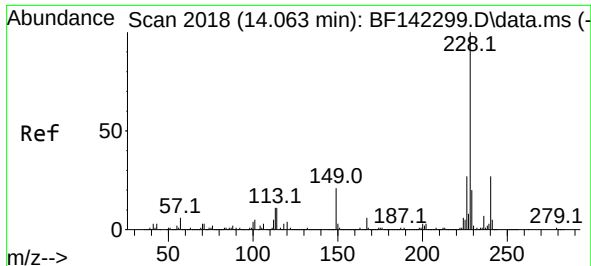
Tgt Ion:244 Resp: 1718750
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.2
 122 10.0 9.0 13.4



#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

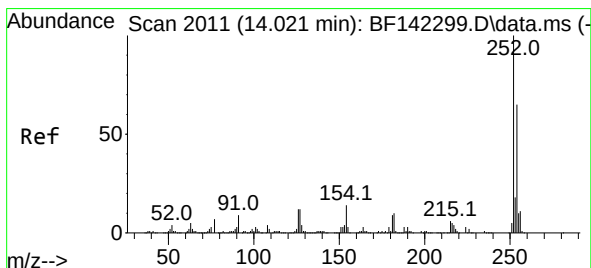
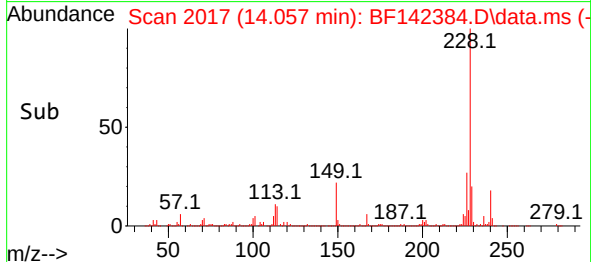
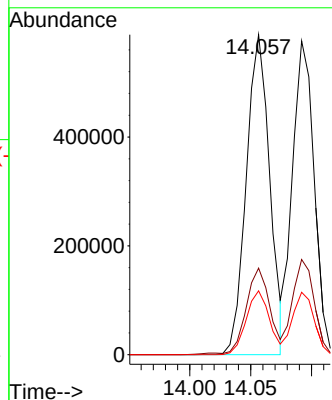
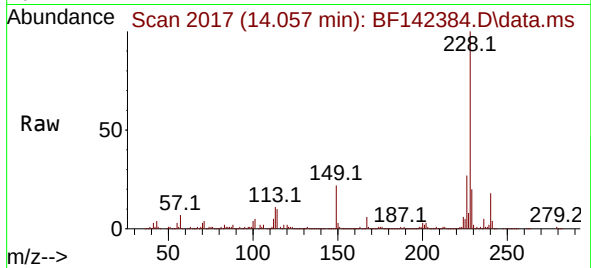




#81
Benzo(a)anthracene
Concen: 39.532 ng
RT: 14.057 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

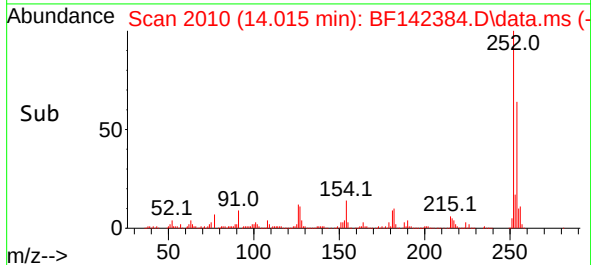
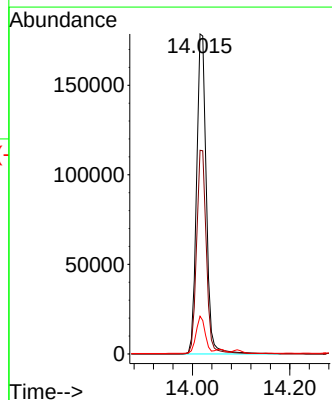
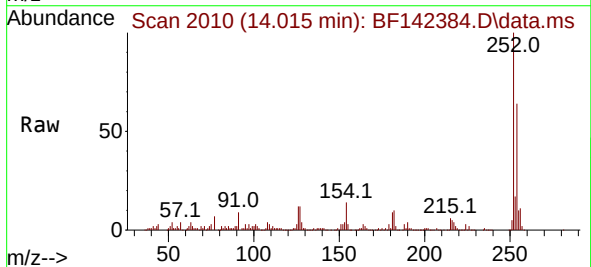
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

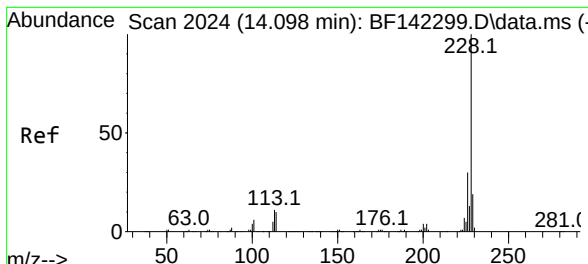
Tgt Ion:228 Resp: 787940
Ion Ratio Lower Upper
228 100
226 27.1 21.5 32.3
229 19.9 15.9 23.9



#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

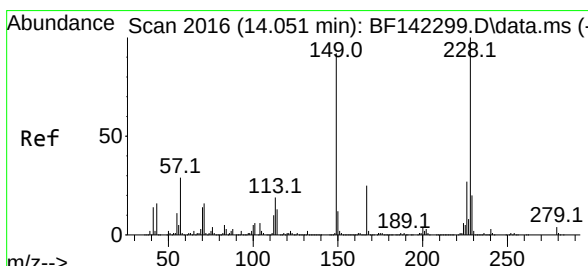
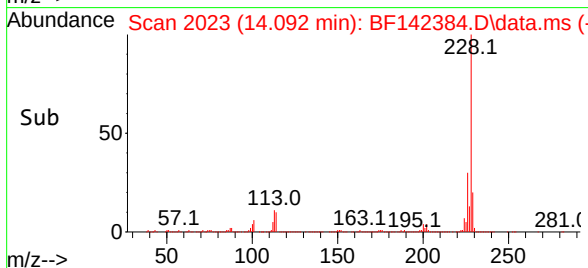
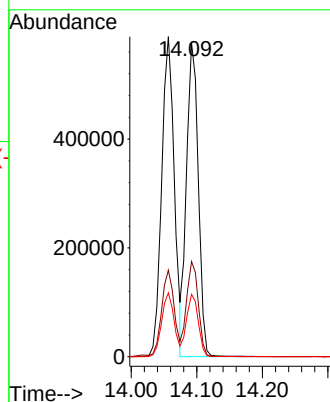
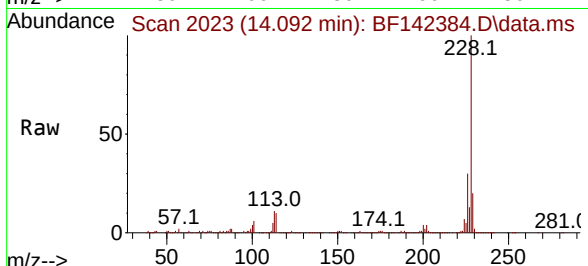




#83
Chrysene
Concen: 38.699 ng
RT: 14.092 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

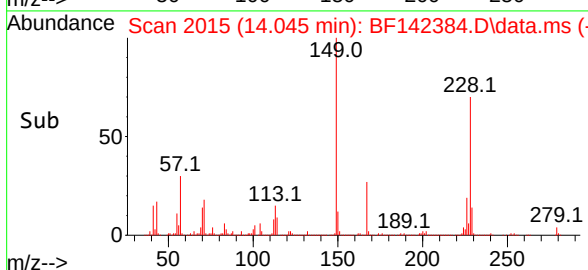
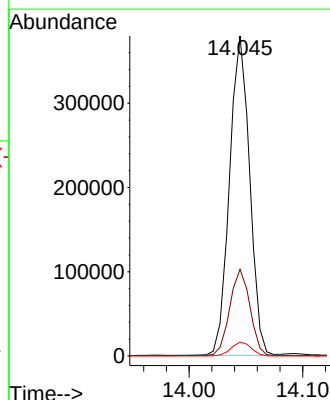
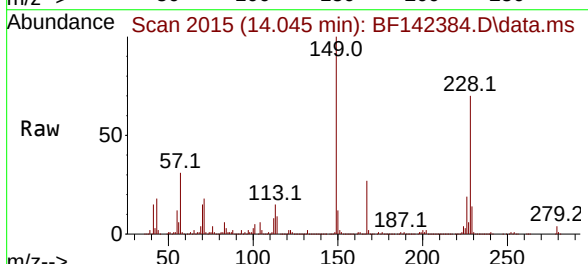
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

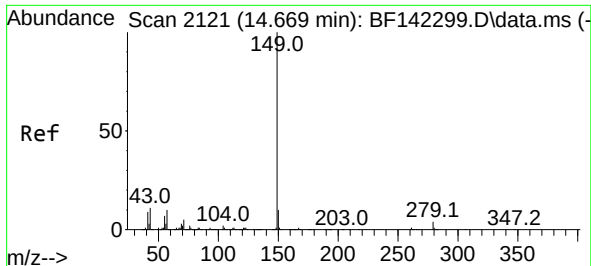
Tgt Ion:228 Resp: 718046
Ion Ratio Lower Upper
228 100
226 30.3 23.9 35.9
229 19.9 15.4 23.2



#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

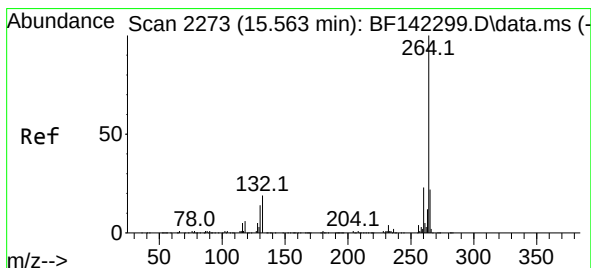
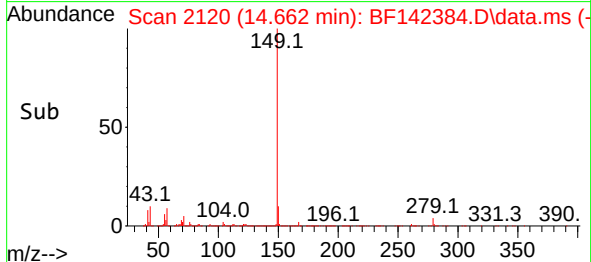
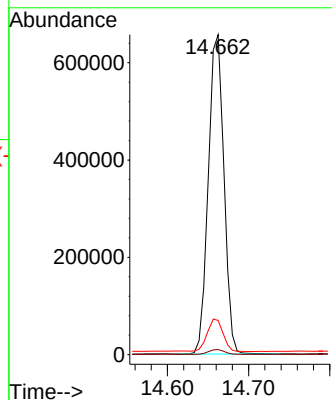
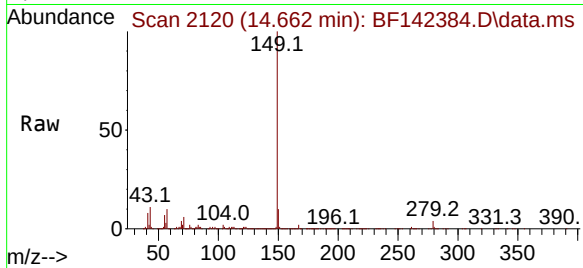




#85
Di-n-octyl phthalate
Concen: 46.831 ng
RT: 14.662 min Scan# 2120
Delta R.T. -0.007 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

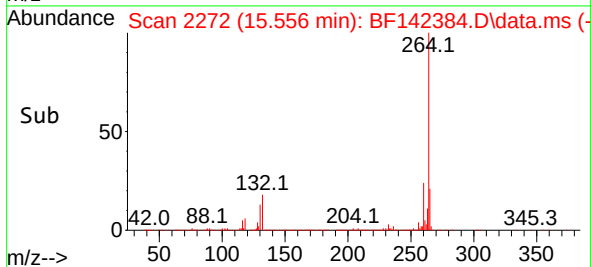
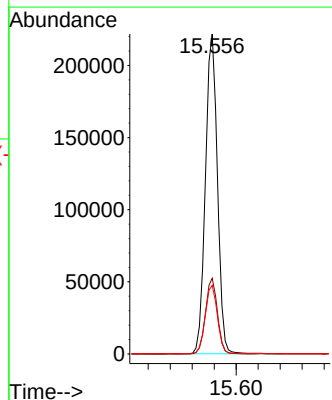
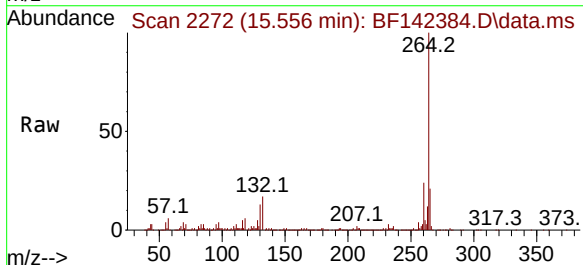
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

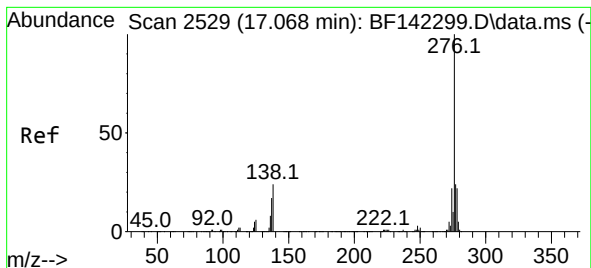
Tgt Ion:149 Resp: 874781
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 10.3 9.2 13.8



#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# 2197

Delta R.T. -0.006 min

Lab File: BF142384.D

Acq: 15 May 2025 10:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

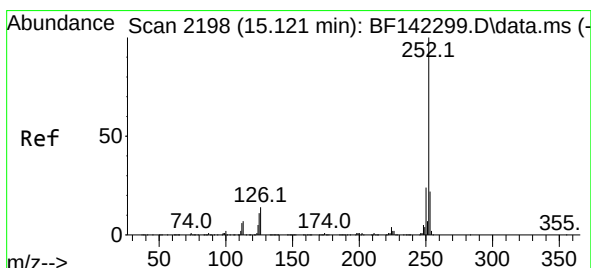
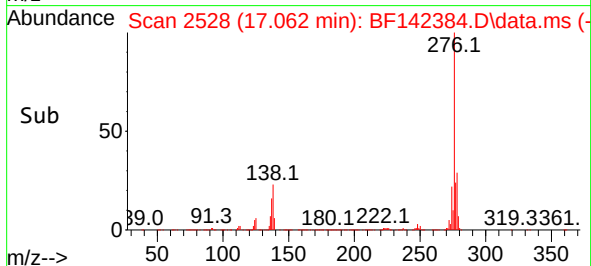
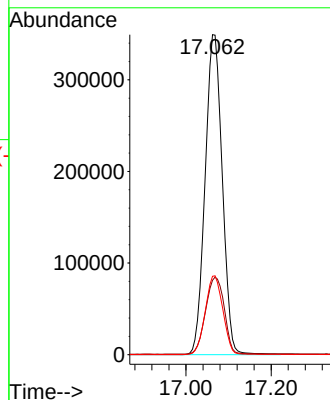
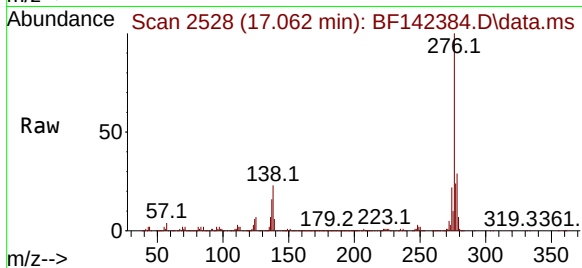
Tgt Ion:276 Resp: 977143

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

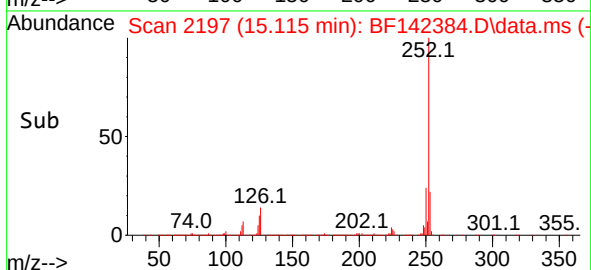
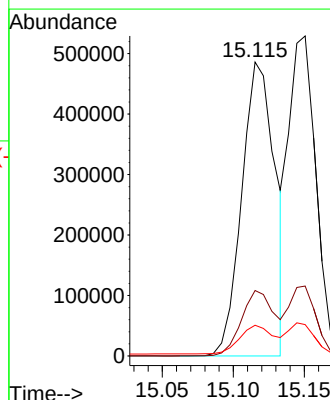
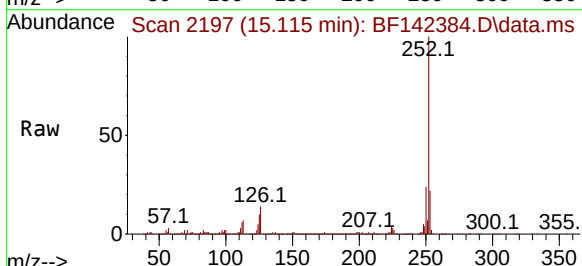
Tgt Ion:252 Resp: 790611

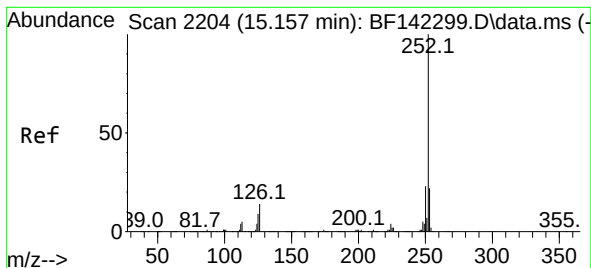
Ion Ratio Lower Upper

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# 2204

Delta R.T. -0.006 min

Lab File: BF142384.D

Acq: 15 May 2025 10:08

Instrument :

BNA_F

ClientSampleId :

SSTDCCC040

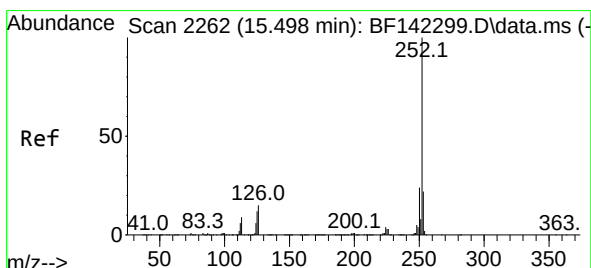
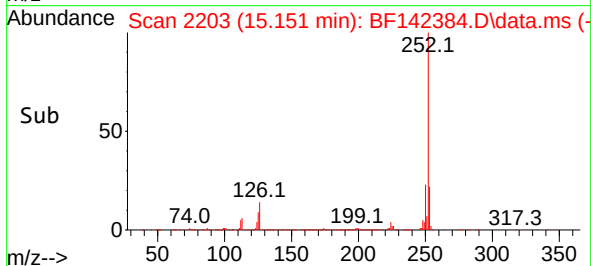
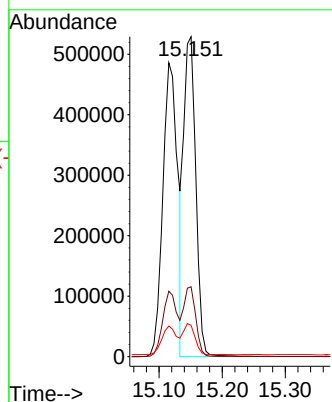
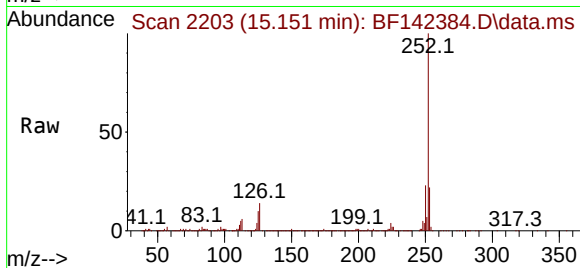
Tgt Ion:252 Resp: 705674

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

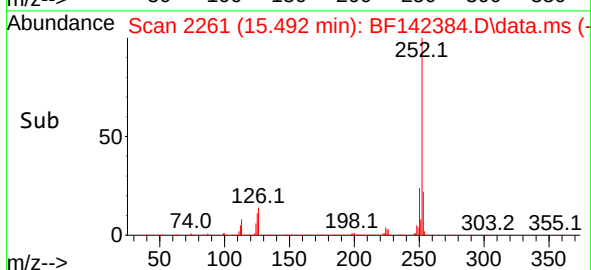
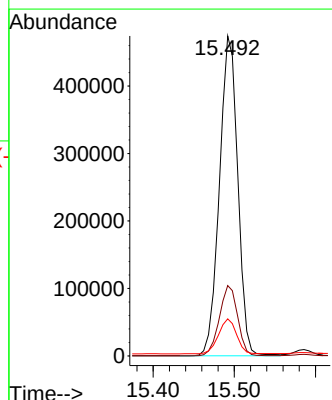
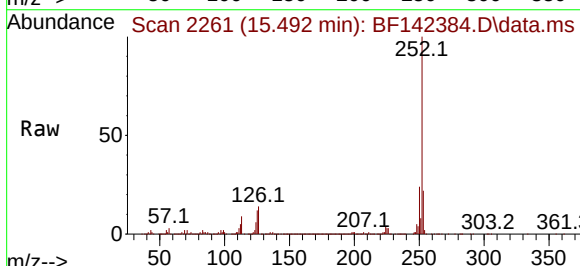
Tgt Ion:252 Resp: 744294

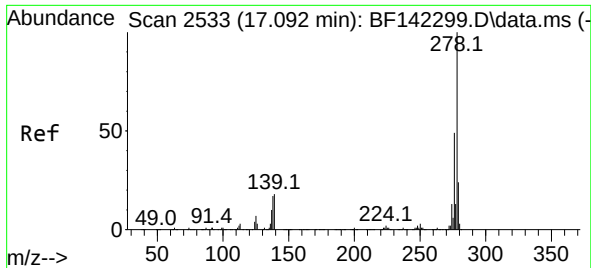
Ion Ratio Lower Upper

252 100

253 22.0 17.8 26.6

125 11.6 9.4 14.0

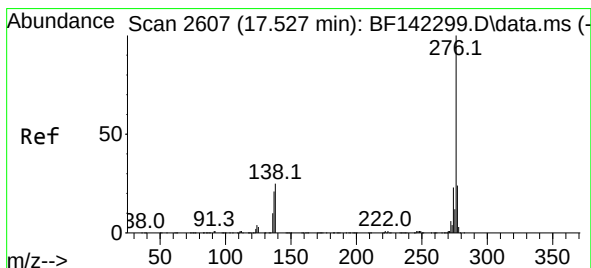
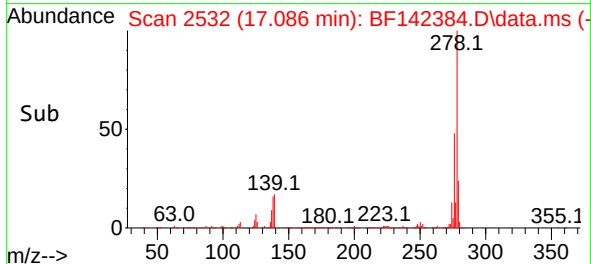
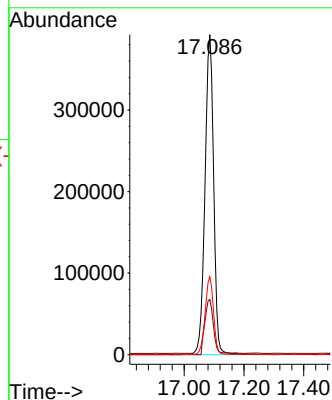
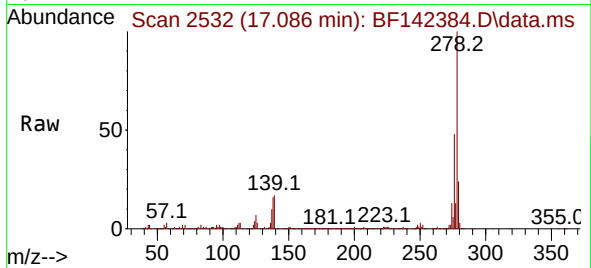




#91
Dibenzo(a,h)anthracene
Concen: 41.131 ng
RT: 17.086 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142384.D
Acq: 15 May 2025 10:08

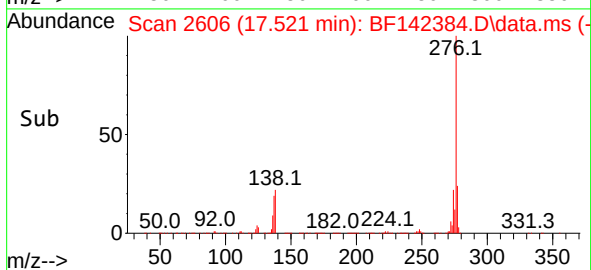
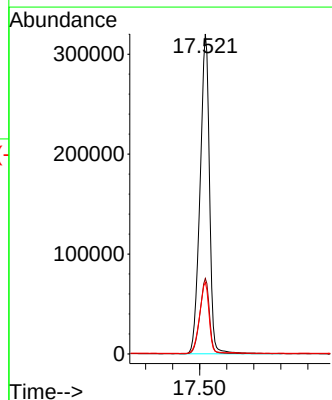
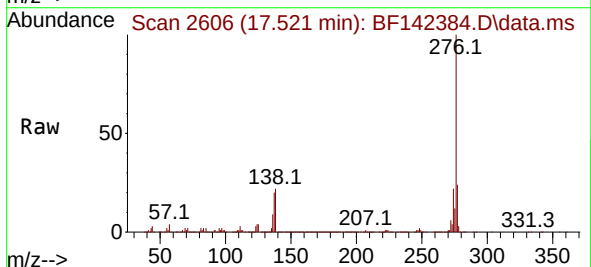
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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 : 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

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

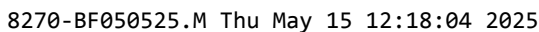
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 ClientSampleId :
 PB167951BS

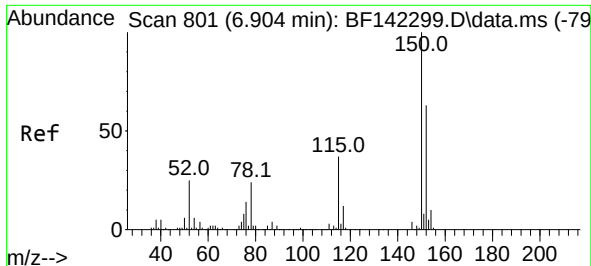
Quant Time: May 15 12:17:49 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 05 18:41:44 2025
 Response via : Initial Calibration

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

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

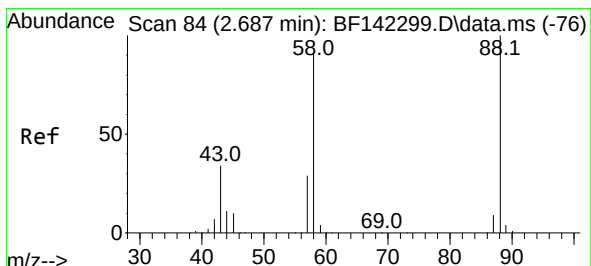
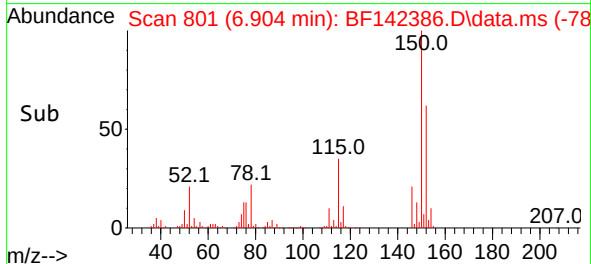
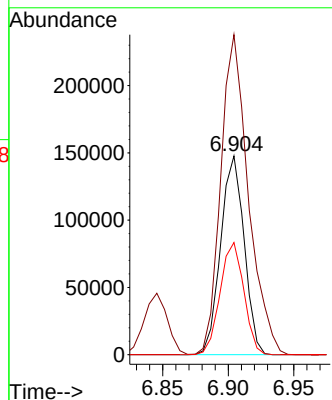
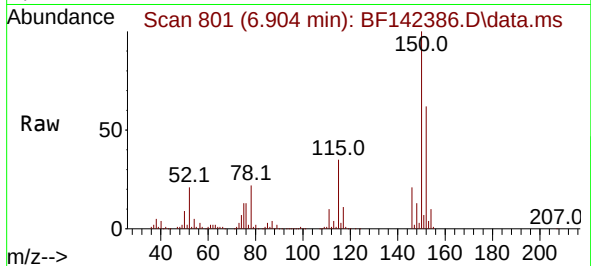




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.904 min Scan# 801
 Delta R.T. 0.000 min
 Lab File: BF142386.D
 Acq: 15 May 2025 11:06

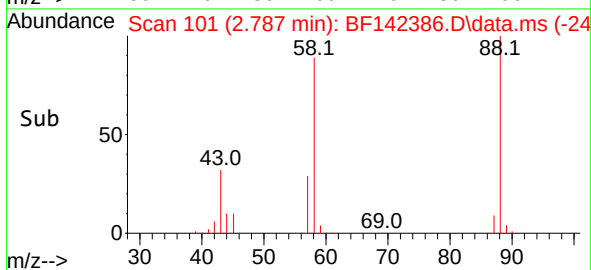
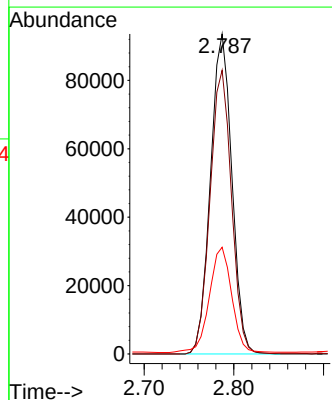
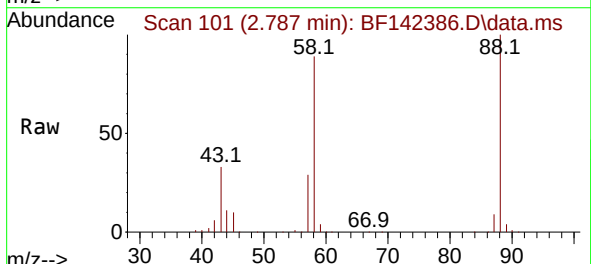
Instrument :
 BNA_F
 ClientSampleId :
 PB167951BS

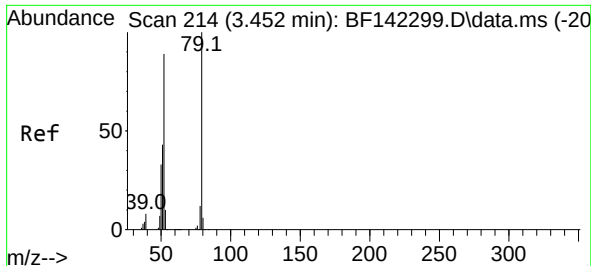
Tgt Ion:152 Resp: 183759
 Ion Ratio Lower Upper
 152 100
 150 161.0 126.6 190.0
 115 56.4 47.3 70.9



#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

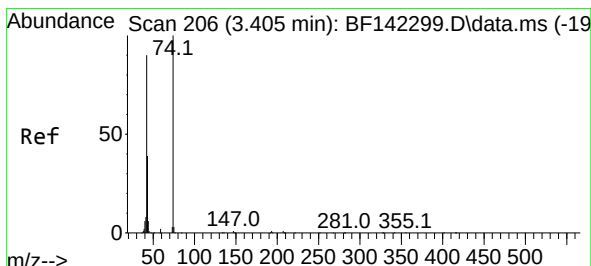
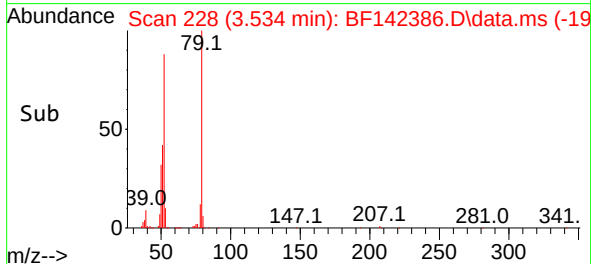
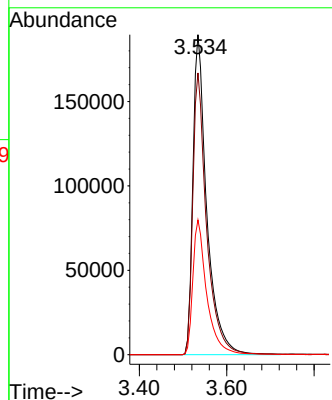
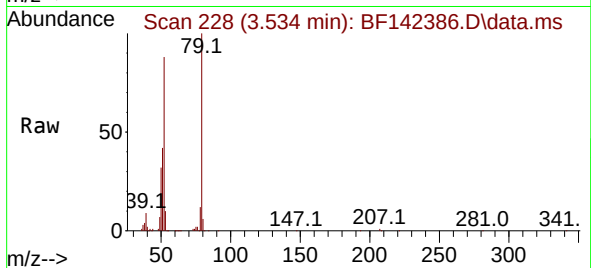




#3
Pyridine
Concen: 36.841 ng
RT: 3.534 min Scan# 21
Delta R.T. 0.082 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

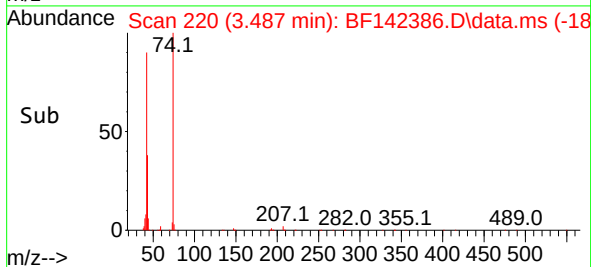
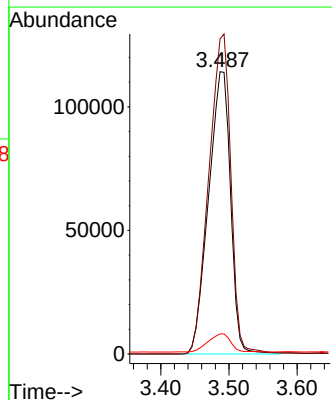
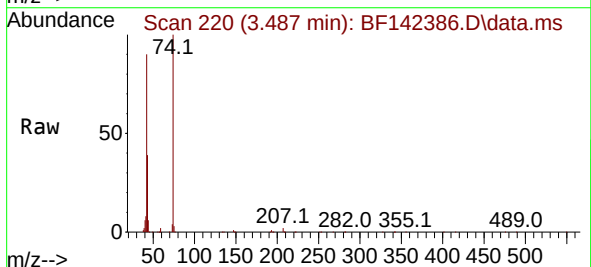
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BNA_F
ClientSampleId :
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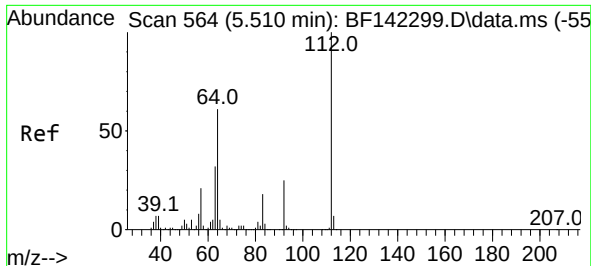
Tgt Ion: 79 Resp: 419284
Ion Ratio Lower Upper
79 100
52 88.0 71.0 106.4
51 42.1 34.9 52.3



#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

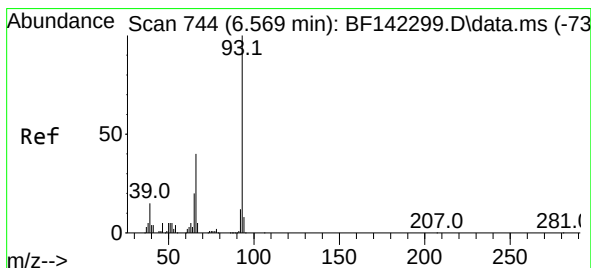
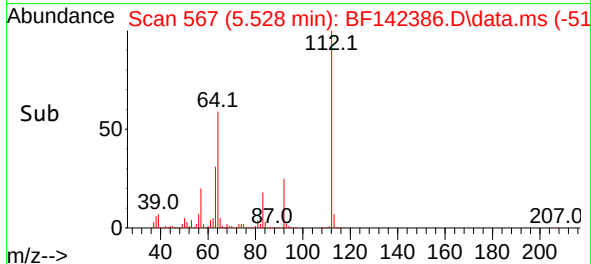
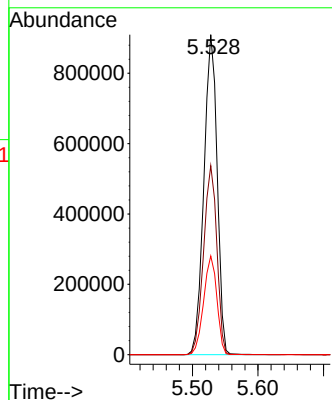
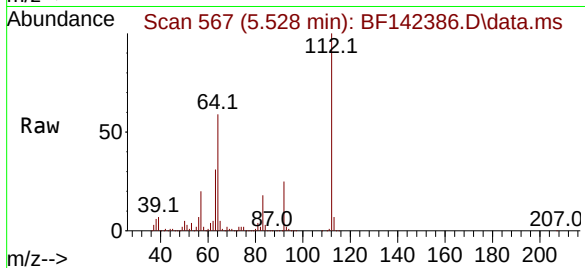




#5
2-Fluorophenol
Concen: 119.321 ng
RT: 5.528 min Scan# 501
Delta R.T. 0.018 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

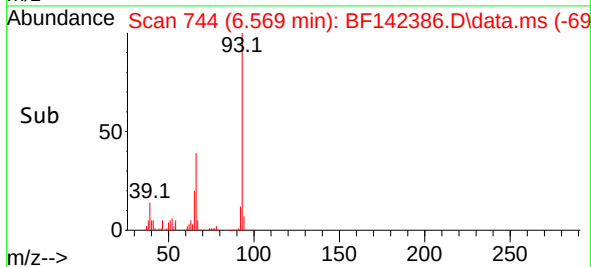
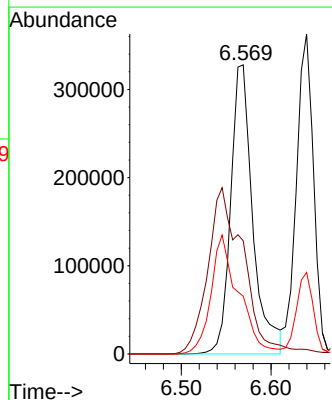
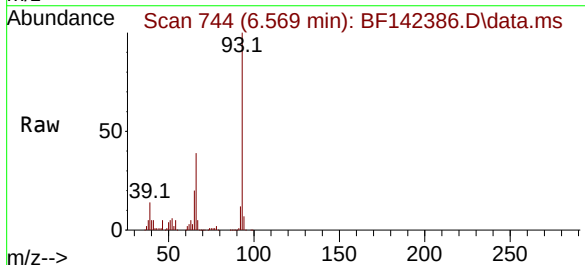
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ClientSampleId :
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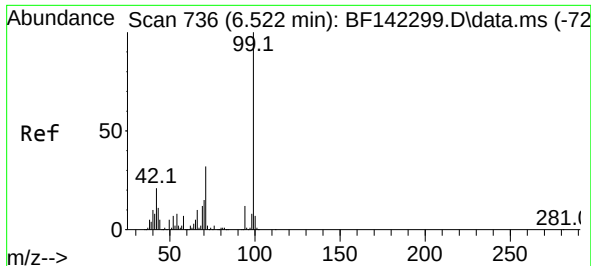
Tgt Ion:112 Resp: 1284437
Ion Ratio Lower Upper
112 100
64 59.1 48.9 73.3
63 30.8 25.6 38.4



#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

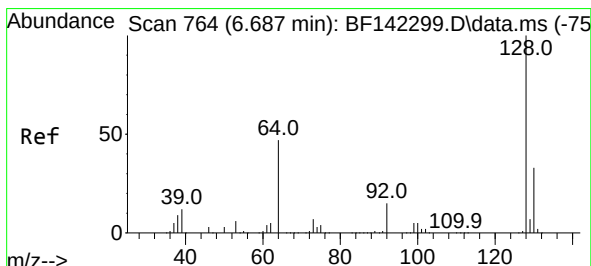
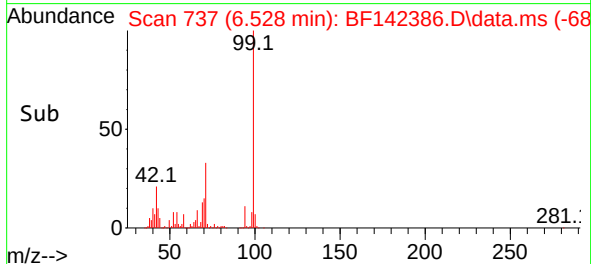
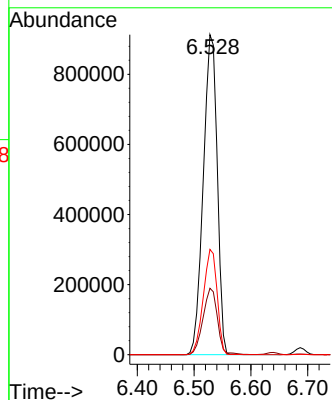
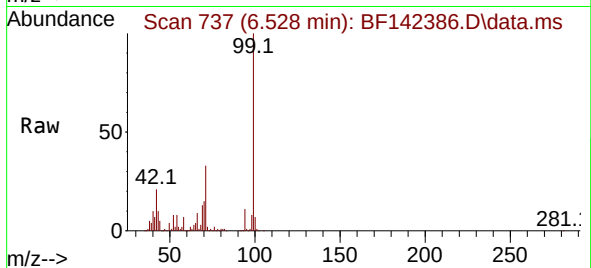




#7
Phenol-d6
Concen: 117.366 ng
RT: 6.528 min Scan# 736
Delta R.T. 0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

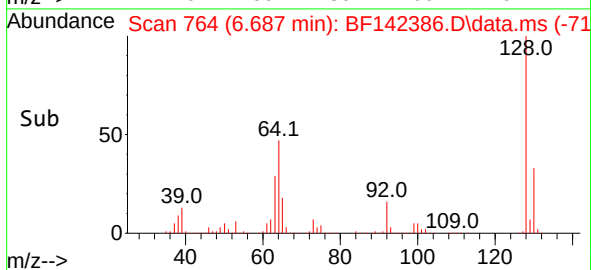
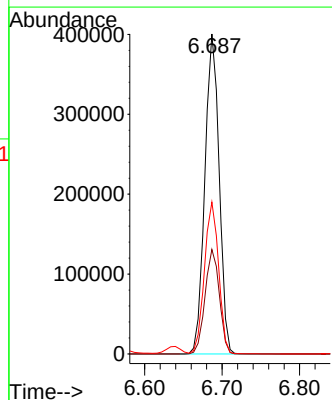
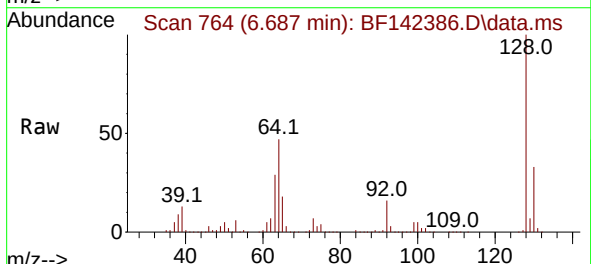
Instrument :
BNA_F
ClientSampleId :
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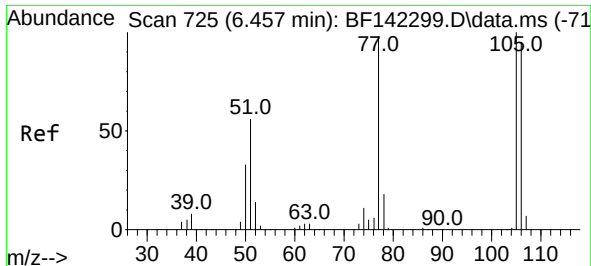
Tgt Ion: 99 Resp: 1553880
Ion Ratio Lower Upper
99 100
42 20.8 17.0 25.4
71 32.9 25.8 38.8



#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

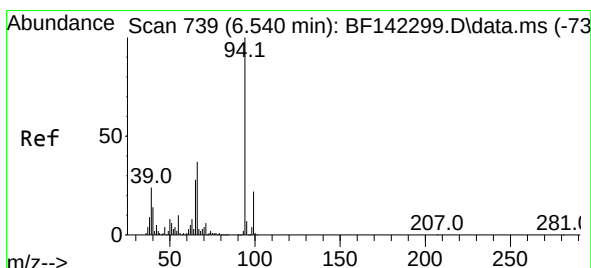
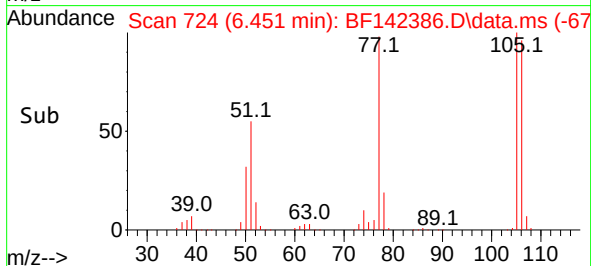
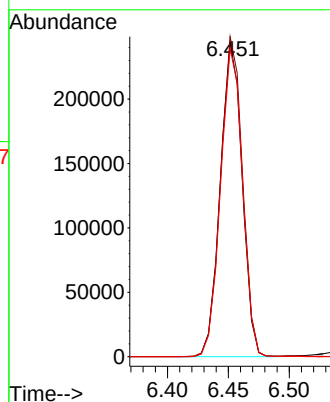
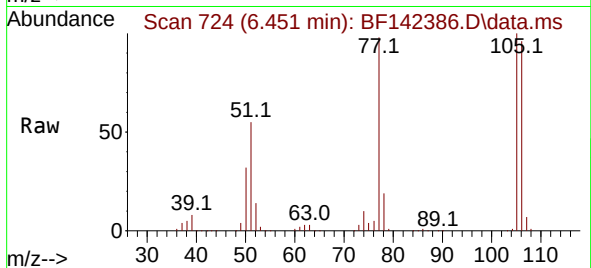




#9
Benzaldehyde
Concen: 39.217 ng
RT: 6.451 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

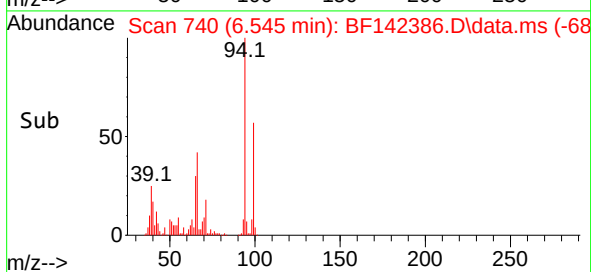
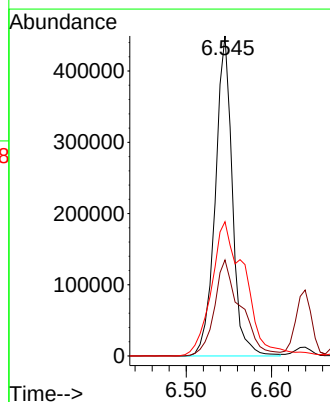
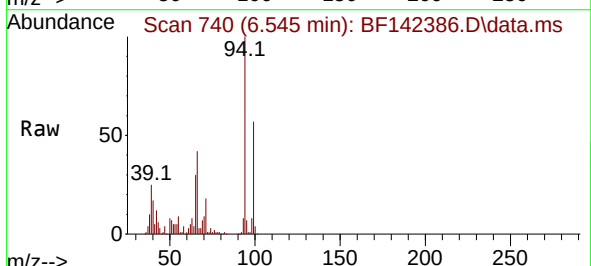
Instrument :
BNA_F
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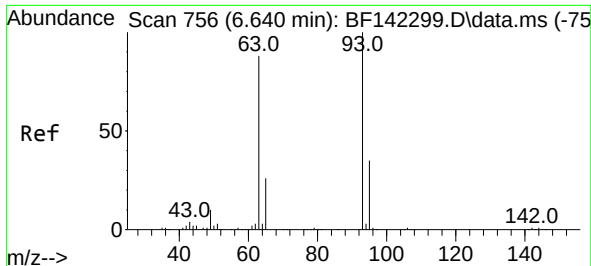
Tgt Ion: 77 Resp: 303883
Ion Ratio Lower Upper
77 100
105 101.7 82.0 122.0
106 97.9 77.2 117.2



#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

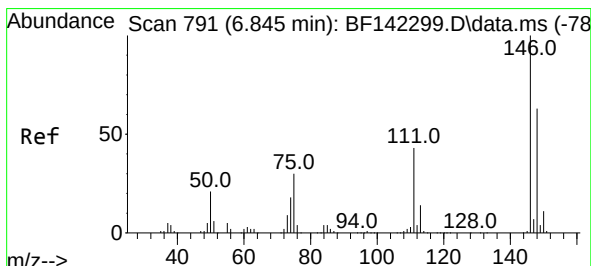
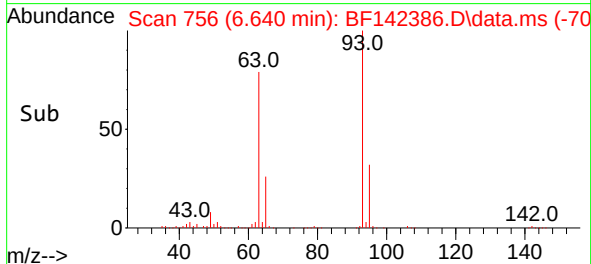
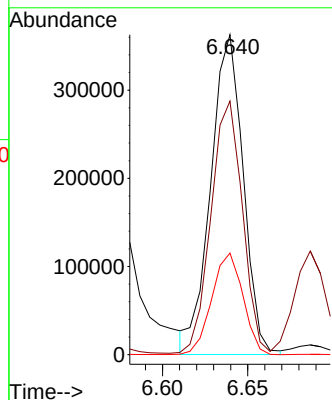
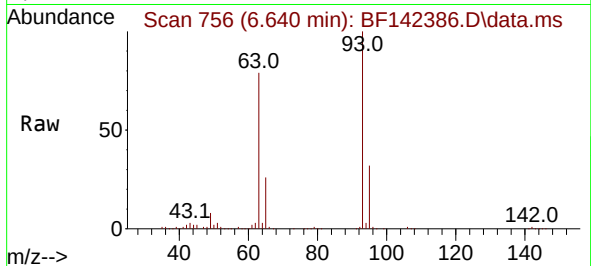




#11
bis(2-Chloroethyl)ether
Concen: 34.740 ng
RT: 6.640 min Scan# 756
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

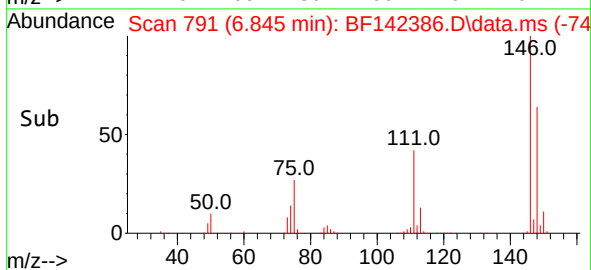
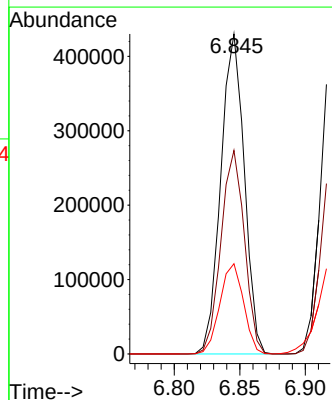
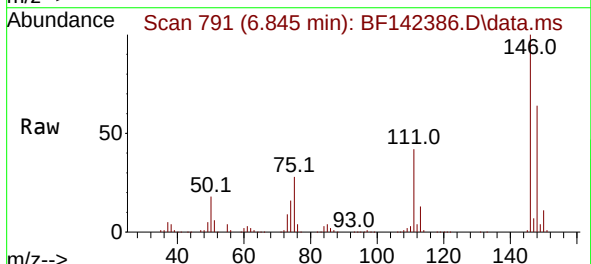
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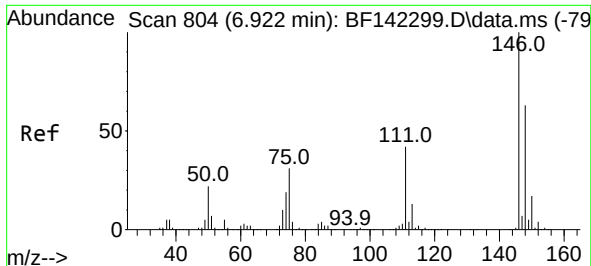
Tgt Ion: 93 Resp: 480788
Ion Ratio Lower Upper
93 100
63 79.3 58.4 98.4
95 31.8 10.6 50.6



#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# 804

Delta R.T. -0.000 min

Lab File: BF142386.D

Acq: 15 May 2025 11:06

Instrument :

BNA_F

ClientSampleId :

PB167951BS

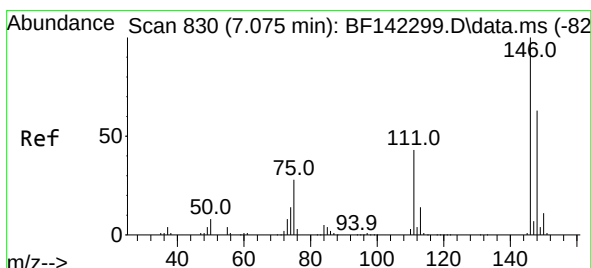
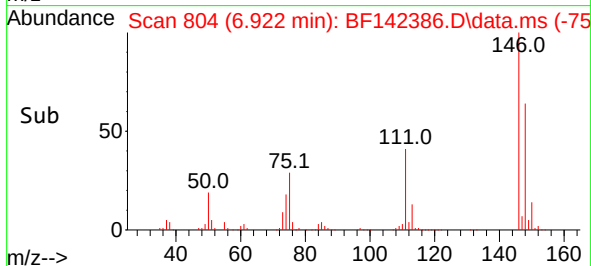
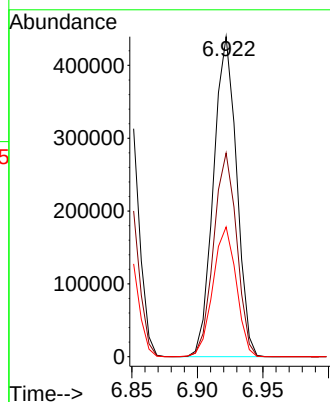
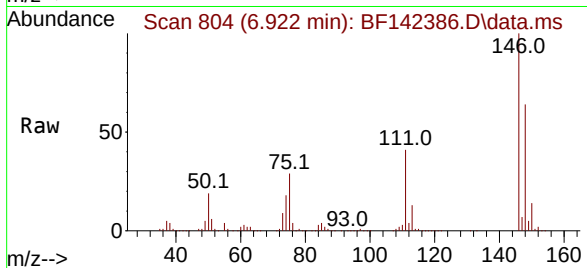
Tgt Ion:146 Resp: 537927

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

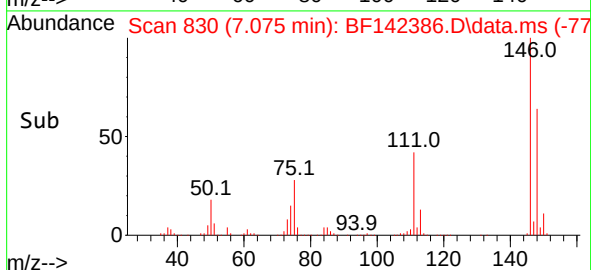
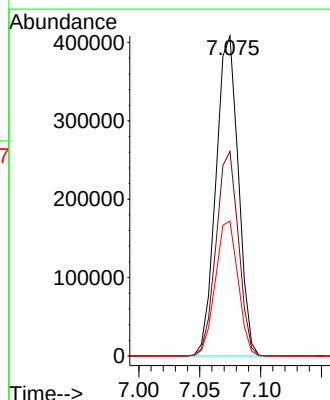
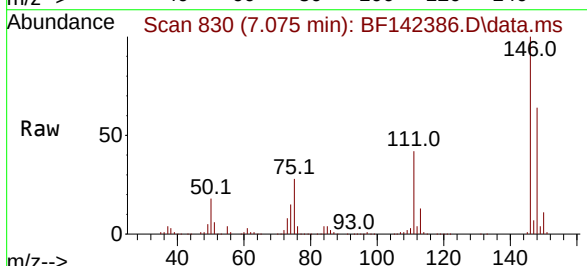
Tgt Ion:146 Resp: 523399

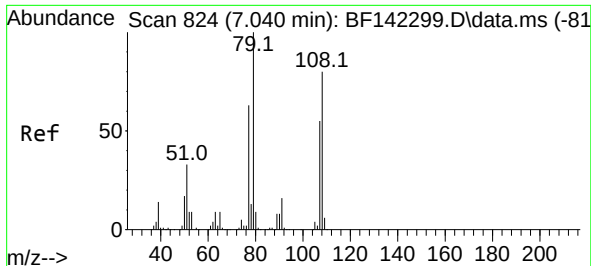
Ion Ratio Lower Upper

146 100

148 63.9 50.3 75.5

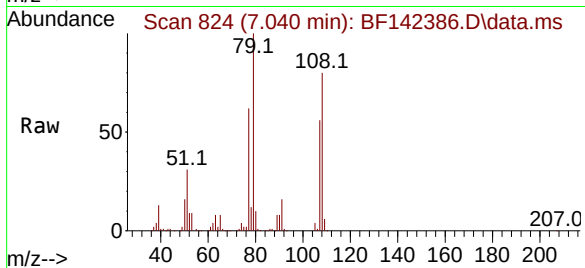
111 42.2 34.5 51.7



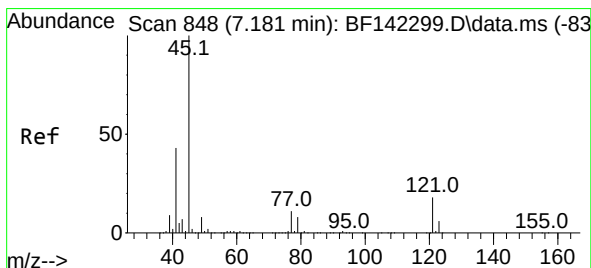
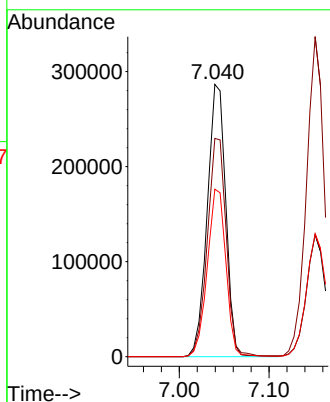
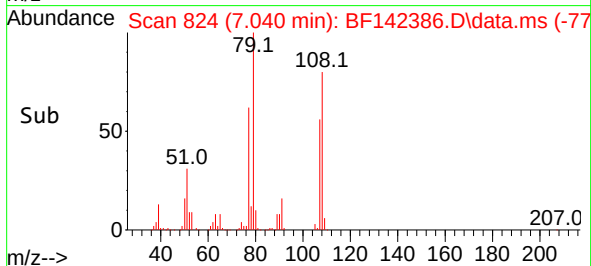


#15
Benzyl Alcohol
Concen: 47.948 ng
RT: 7.040 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

Instrument :
BNA_F
ClientSampleId :
PB167951BS

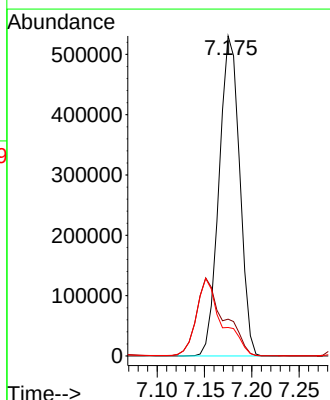
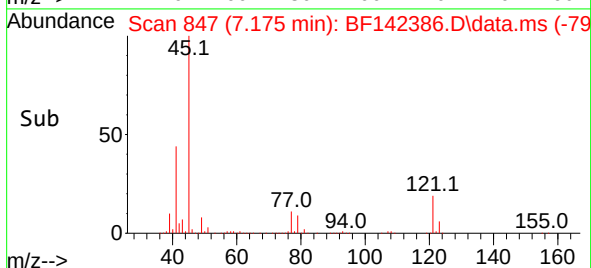
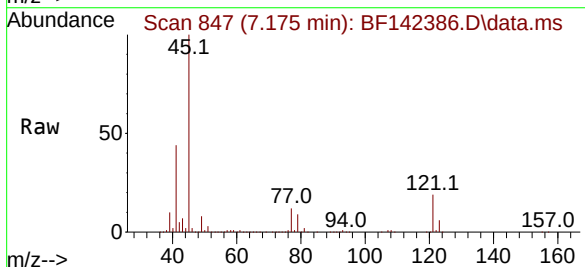


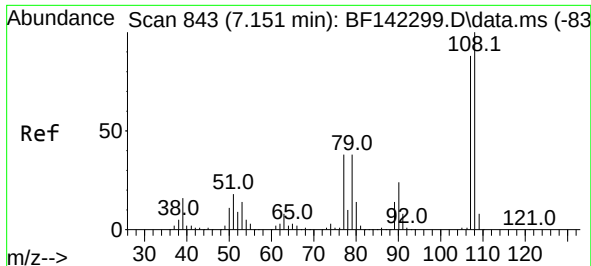
Tgt Ion: 79 Resp: 411059
Ion Ratio Lower Upper
79 100
108 80.1 63.9 95.9
77 61.5 50.7 76.1



#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

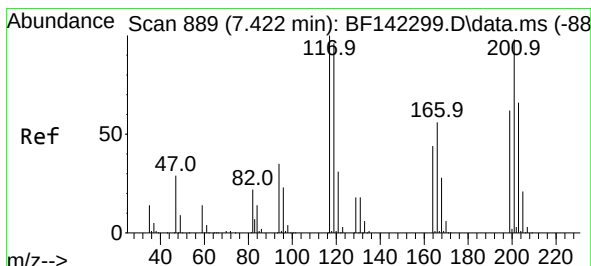
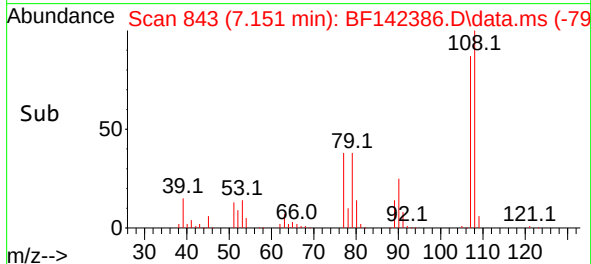
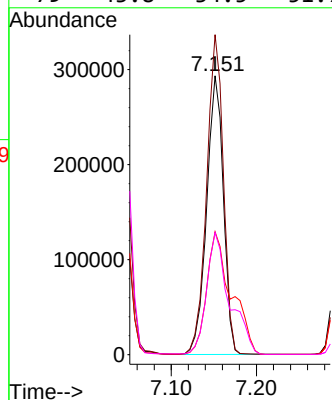
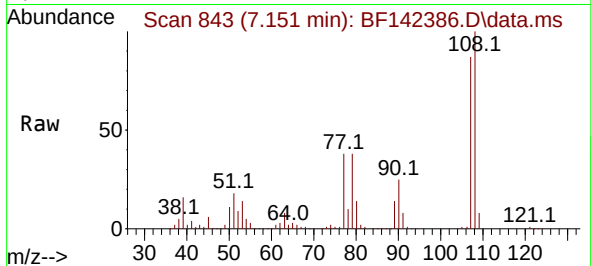




#17
2-Methylphenol
Concen: 43.038 ng
RT: 7.151 min Scan# 843
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

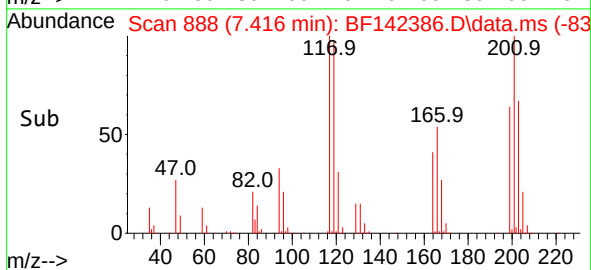
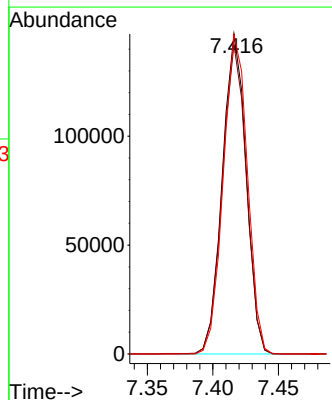
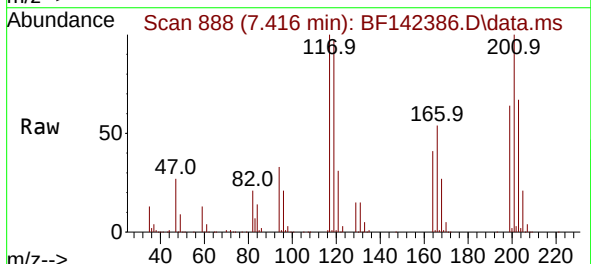
Instrument :
BNA_F
ClientSampleId :
PB167951BS

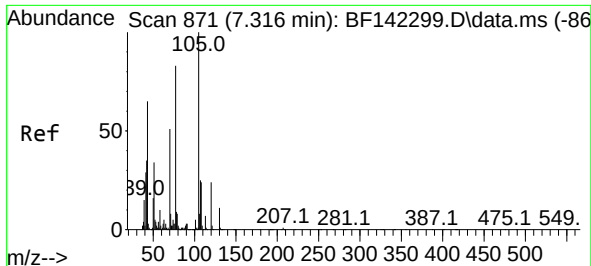
Tgt Ion:	107	Resp:	400813
Ion	Ratio	Lower	Upper
107	100		
108	114.8	91.1	136.7
77	44.1	34.7	52.1
79	43.8	34.5	51.7



#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

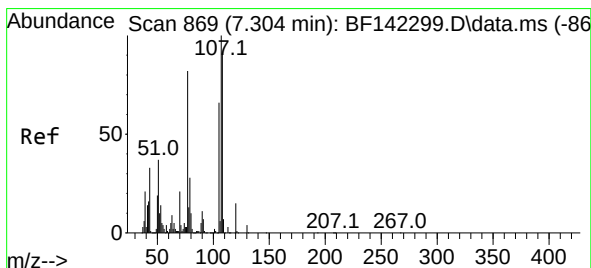
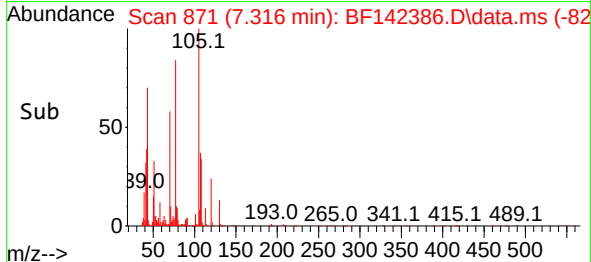
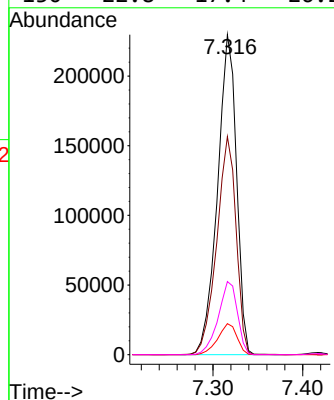
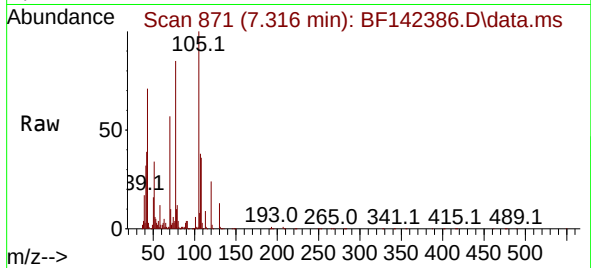




#19
n-Nitroso-di-n-propylamine
Concen: 41.238 ng
RT: 7.316 min Scan# 871
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

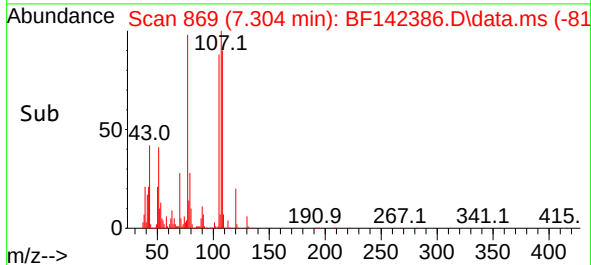
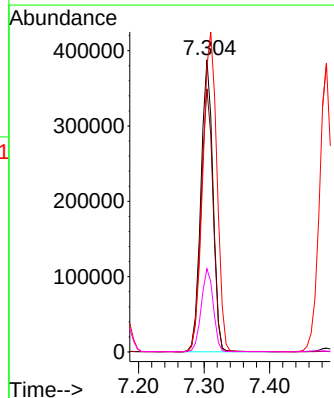
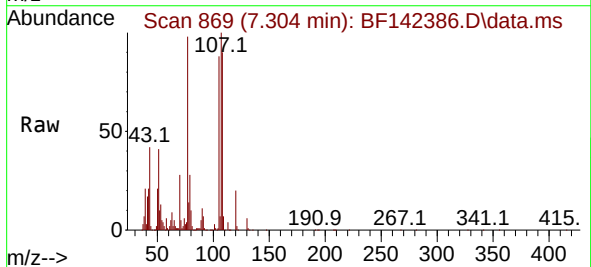
Instrument :
BNA_F
ClientSampleId :
PB167951BS

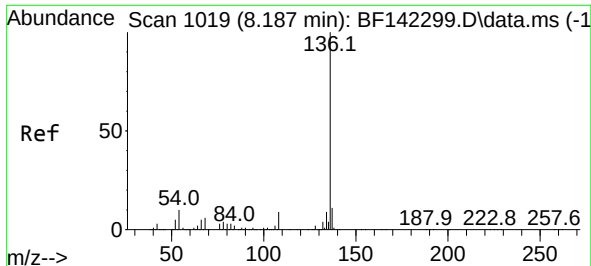
Tgt Ion: 70 Resp: 337716
Ion Ratio Lower Upper
70 100
42 68.2 54.8 82.2
101 9.7 7.7 11.5
130 22.8 17.4 26.2



#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

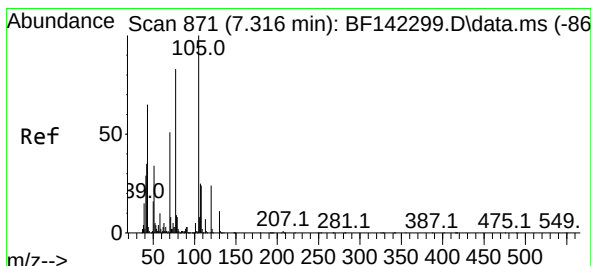
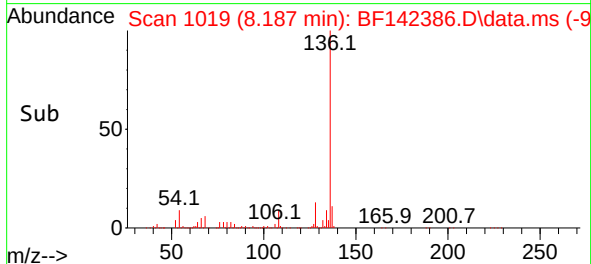
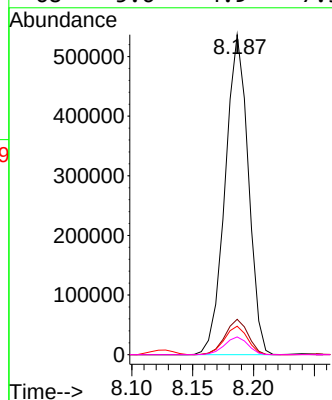
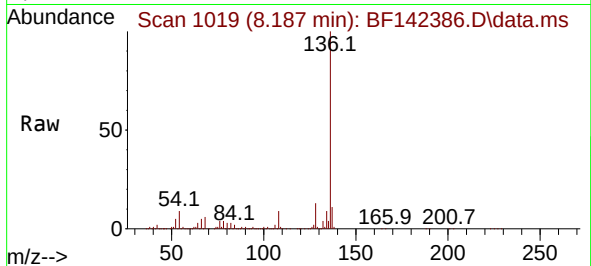




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.187 min Scan# 1019
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

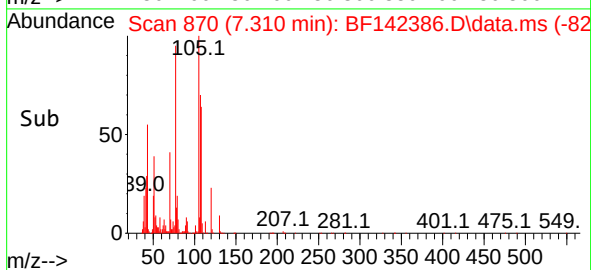
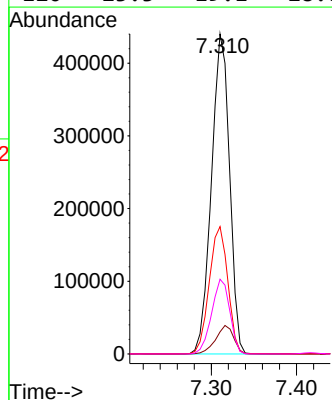
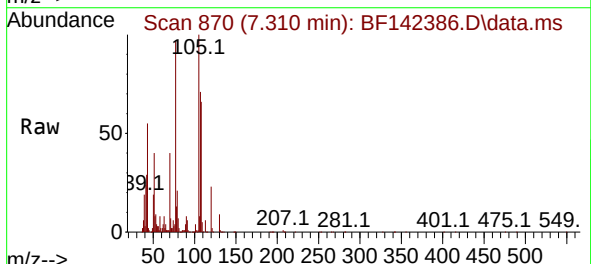
Instrument :
BNA_F
ClientSampleId :
PB167951BS

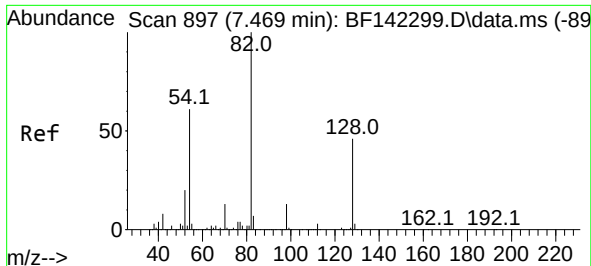
Tgt Ion:136	Resp: 709461
Ion Ratio	Lower Upper
136 100	
137 11.0	8.9 13.3
54 8.9	7.7 11.5
68 5.6	4.9 7.3



#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# 897

Delta R.T. -0.000 min

Lab File: BF142386.D

Acq: 15 May 2025 11:06

Instrument :

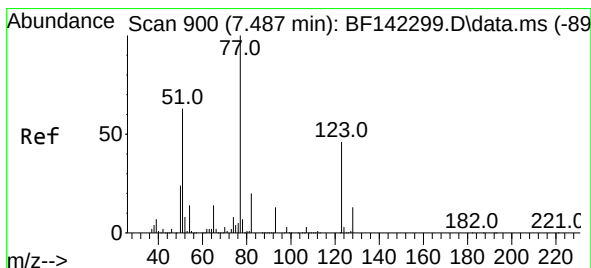
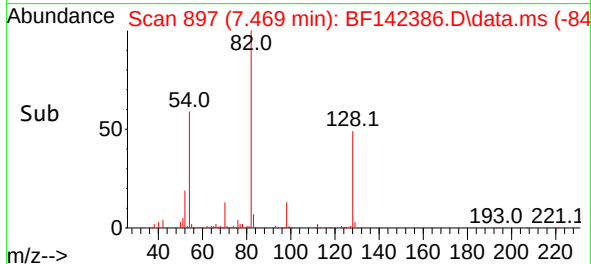
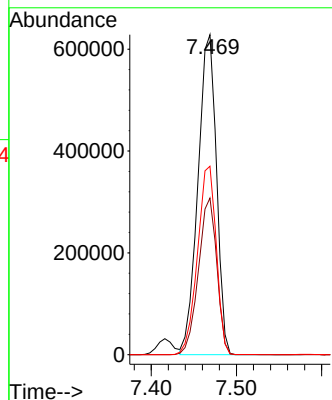
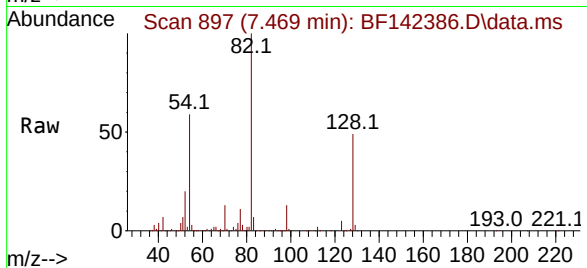
BNA_F

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

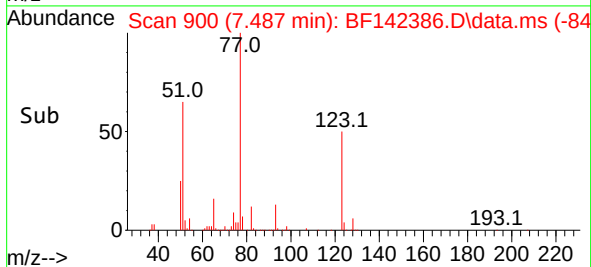
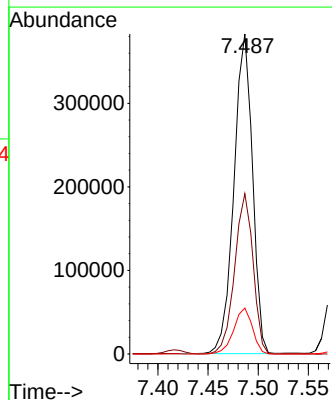
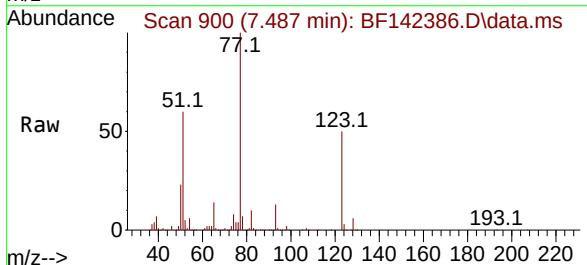
Delta R.T. -0.000 min

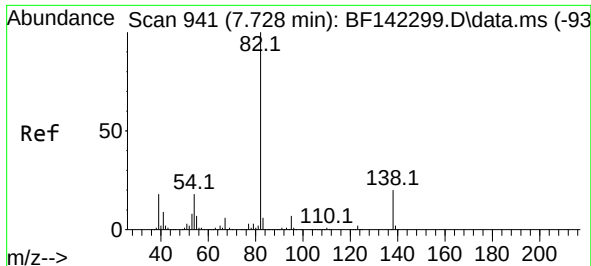
Lab File: BF142386.D

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

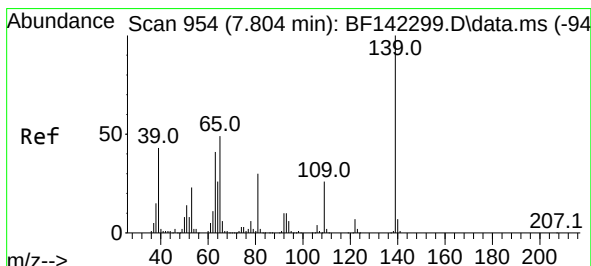
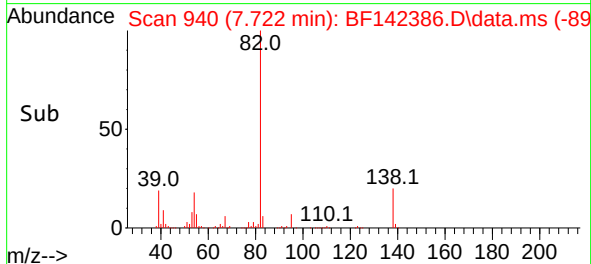
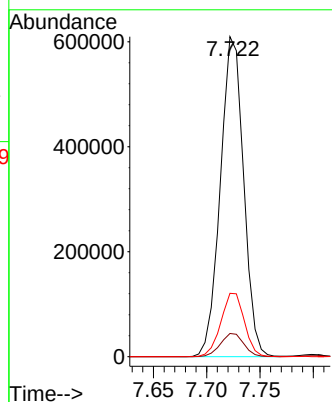
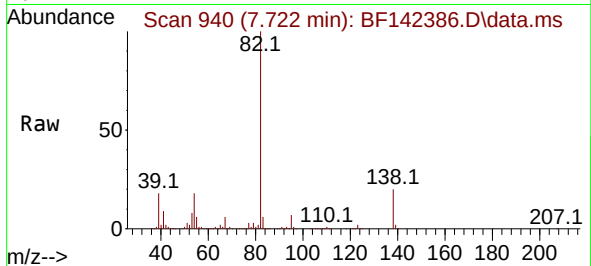




#25
Isophorone
Concen: 41.969 ng
RT: 7.722 min Scan# 941
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

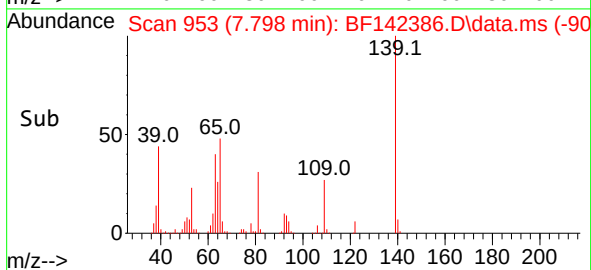
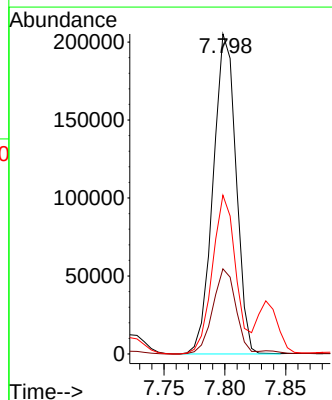
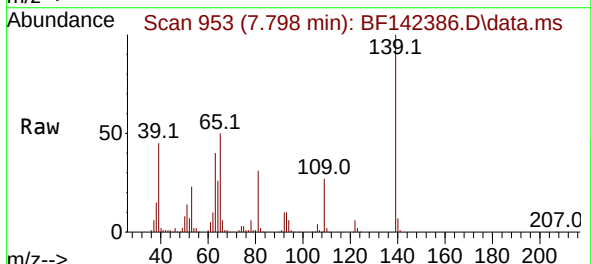
Instrument :
BNA_F
ClientSampleId :
PB167951BS

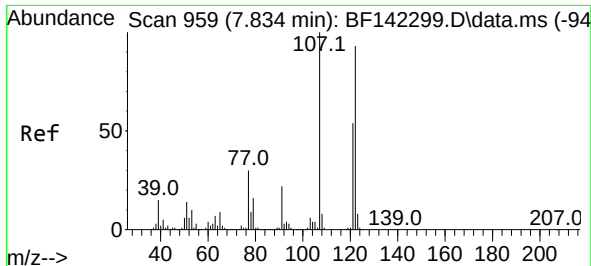
Tgt Ion: 82 Resp: 924519
Ion Ratio Lower Upper
82 100
95 7.3 5.8 8.8
138 19.8 16.1 24.1



#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

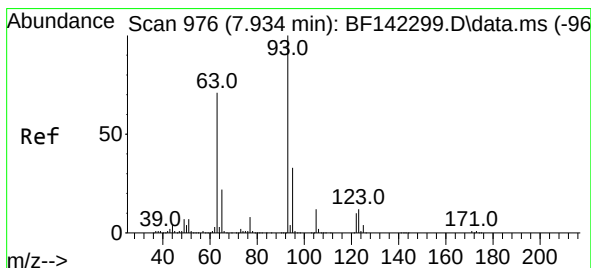
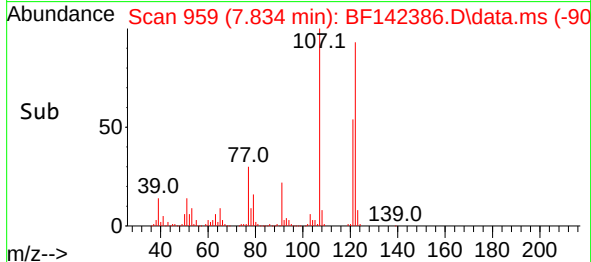
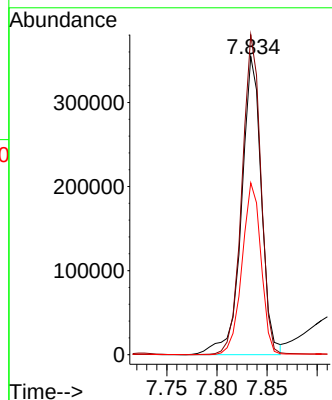
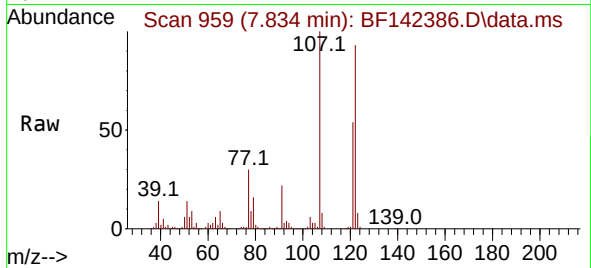




#27
2,4-Dimethylphenol
Concen: 44.357 ng
RT: 7.834 min Scan# 911
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

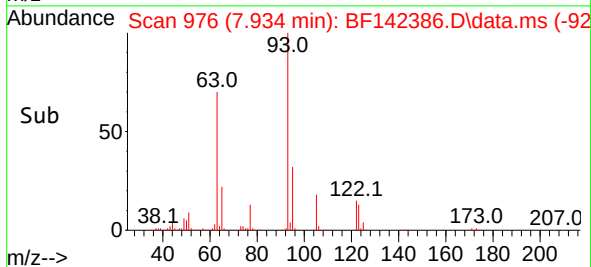
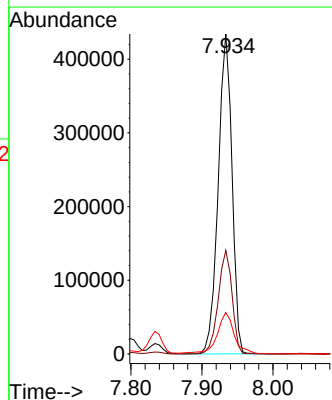
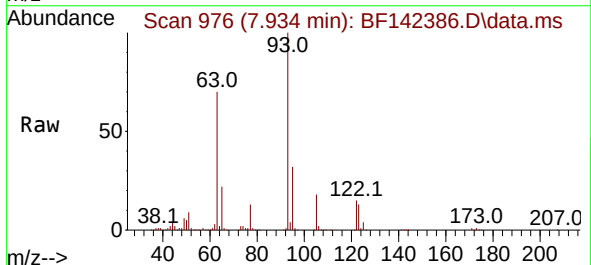
Instrument :
BNA_F
ClientSampleId :
PB167951BS

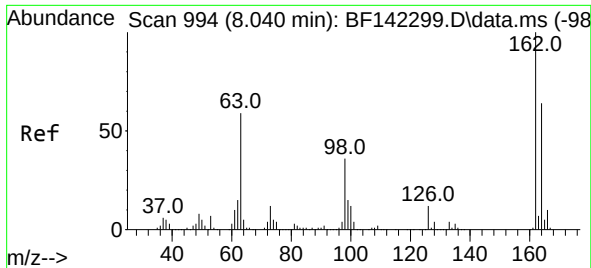
Tgt Ion:122 Resp: 491276
Ion Ratio Lower Upper
122 100
107 107.3 86.0 129.0
121 57.7 46.2 69.4



#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

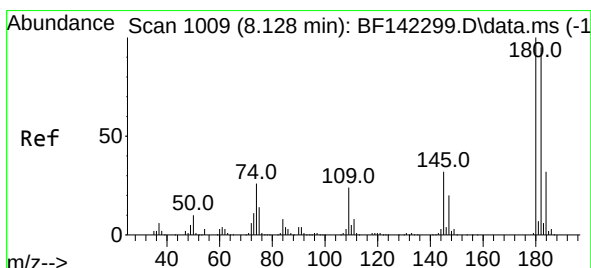
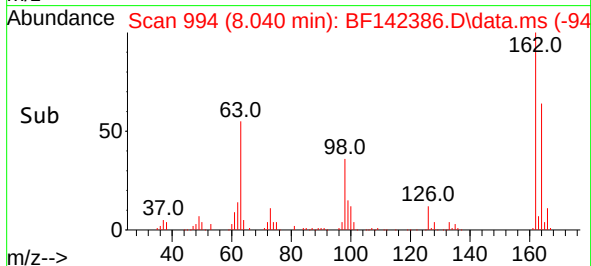
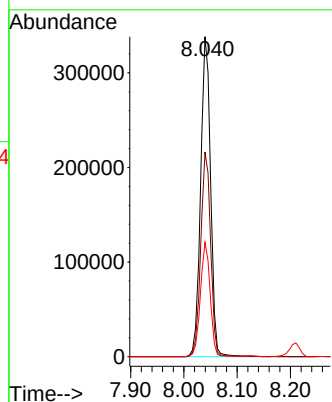
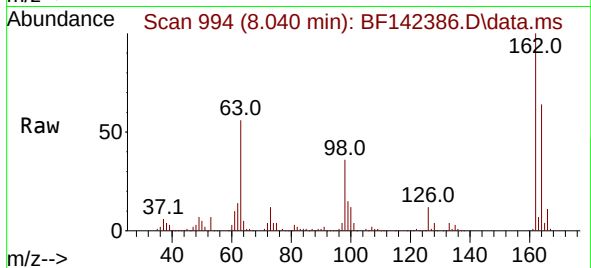




#29
2,4-Dichlorophenol
Concen: 46.573 ng
RT: 8.040 min Scan# 994
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

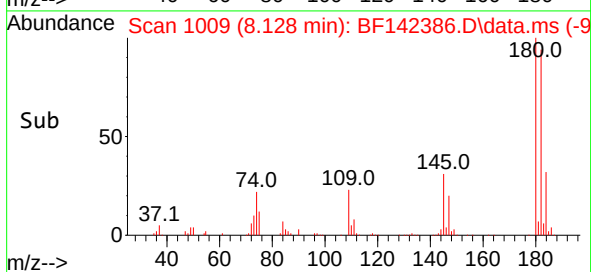
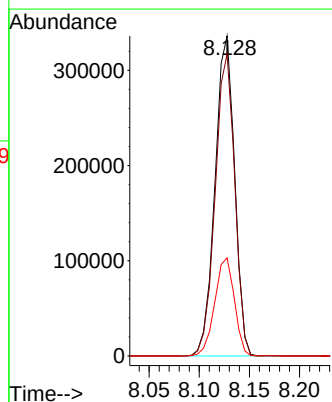
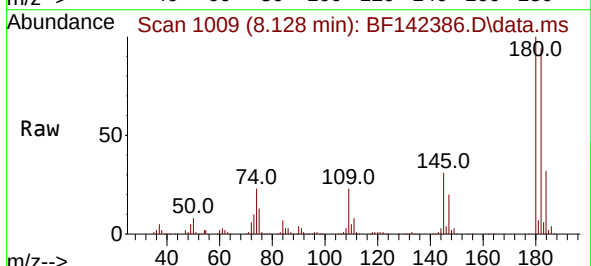
Instrument :
BNA_F
ClientSampleId :
PB167951BS

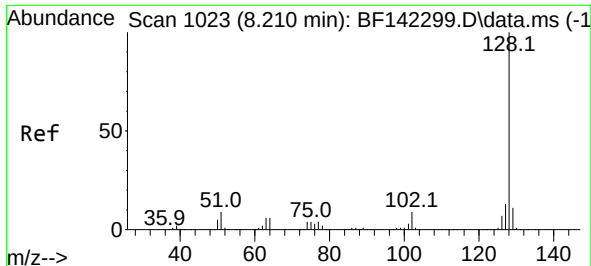
Tgt Ion:162 Resp: 438536
Ion Ratio Lower Upper
162 100
164 64.0 43.6 83.6
98 35.7 16.5 56.5



#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

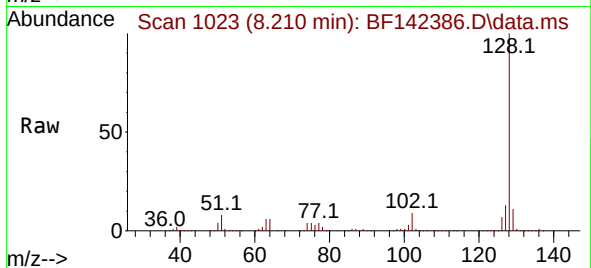
Tgt Ion:180 Resp: 456485
Ion Ratio Lower Upper
180 100
182 94.4 76.2 114.4
145 30.7 25.8 38.6



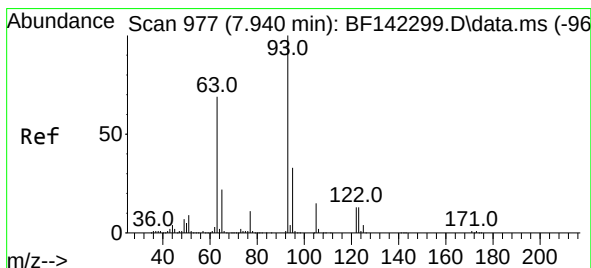
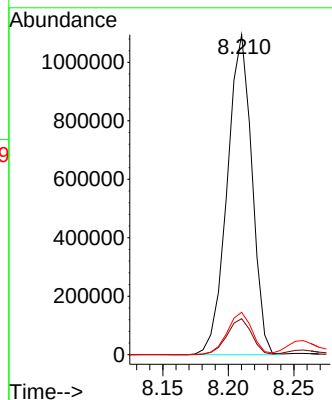
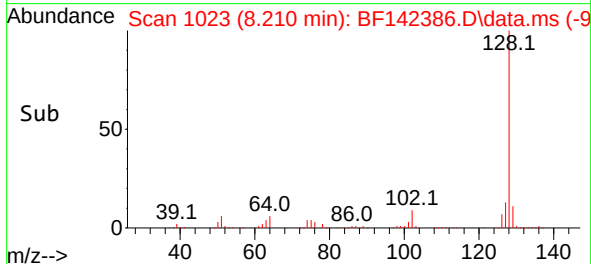


#31
Naphthalene
Concen: 41.752 ng
RT: 8.210 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

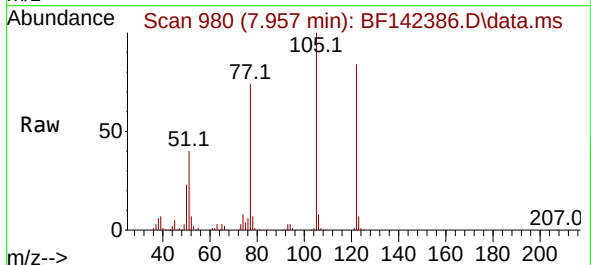
Instrument :
BNA_F
ClientSampleId :
PB167951BS



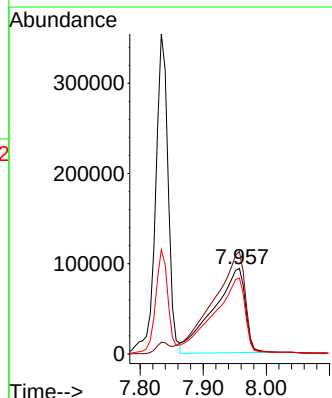
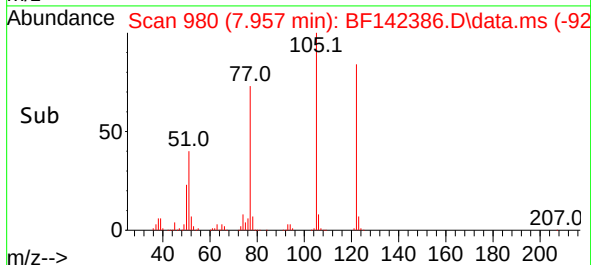
Tgt Ion:128 Resp: 1435630
Ion Ratio Lower Upper
128 100
129 11.3 9.1 13.7
127 13.3 10.5 15.7

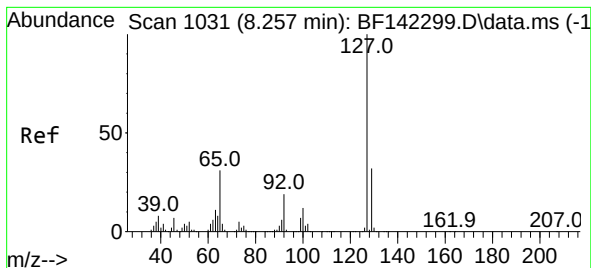


#32
Benzoic acid
Concen: 53.296 ng
RT: 7.957 min Scan# 980
Delta R.T. 0.017 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06



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# 1031

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

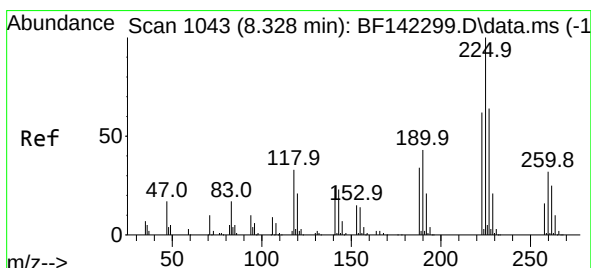
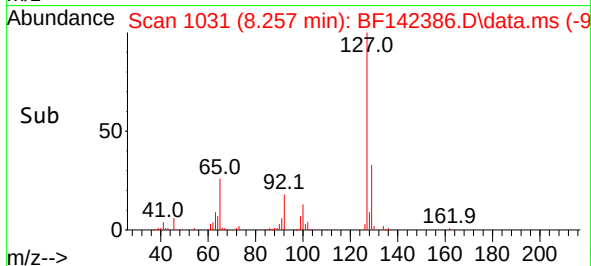
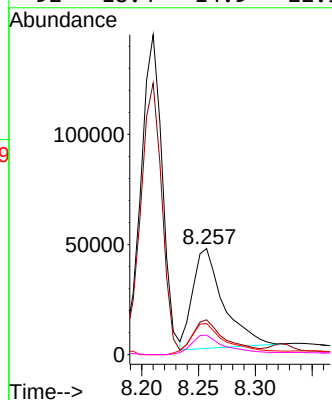
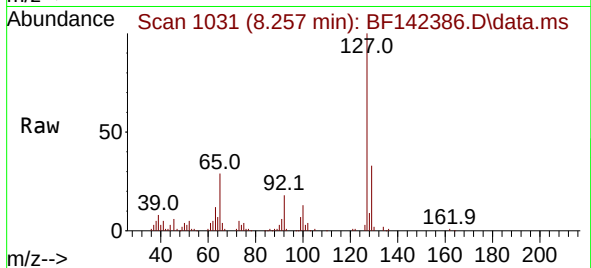
Ion Ratio Lower Upper

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

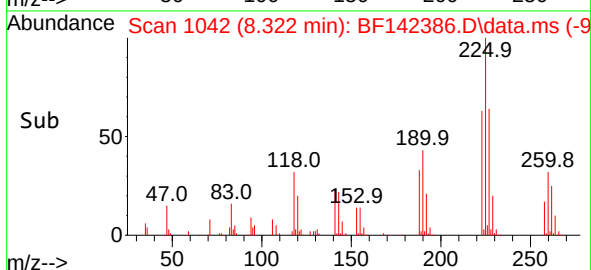
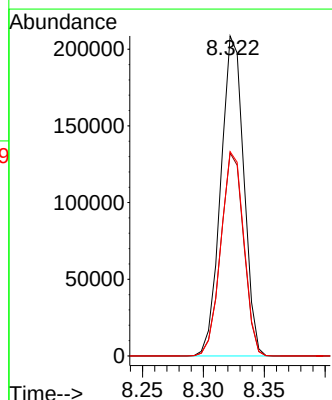
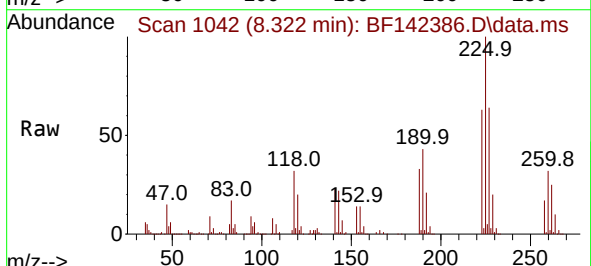
Tgt Ion:225 Resp: 273992

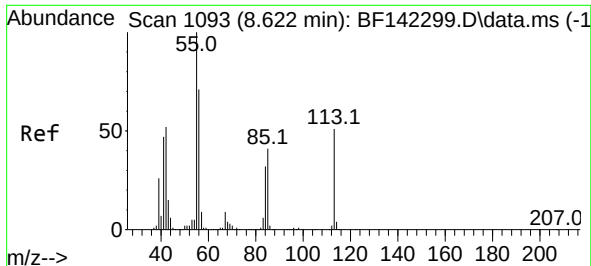
Ion Ratio Lower Upper

225 100

223 63.4 49.8 74.6

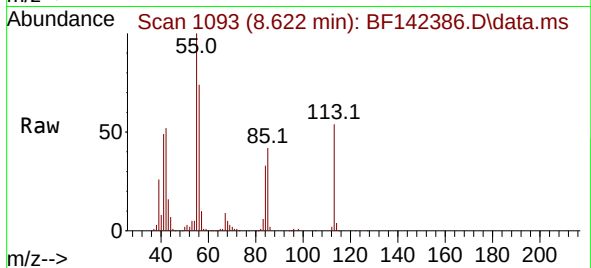
227 63.8 50.9 76.3



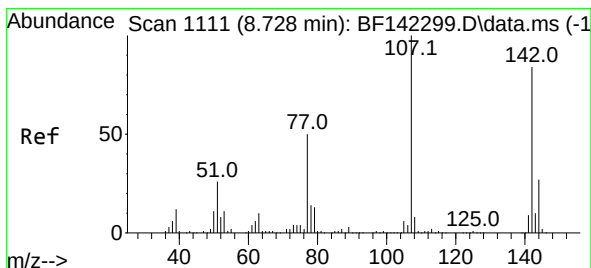
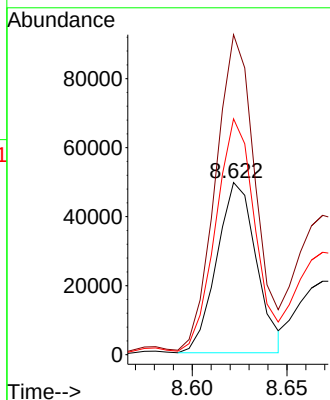
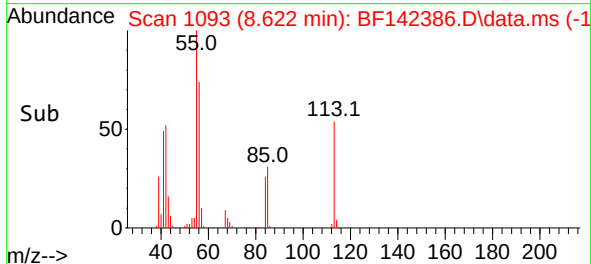


#35
 Caprolactam
 Concen: 26.182 ng
 RT: 8.622 min Scan# 1109
 Delta R.T. -0.000 min
 Lab File: BF142386.D
 Acq: 15 May 2025 11:06

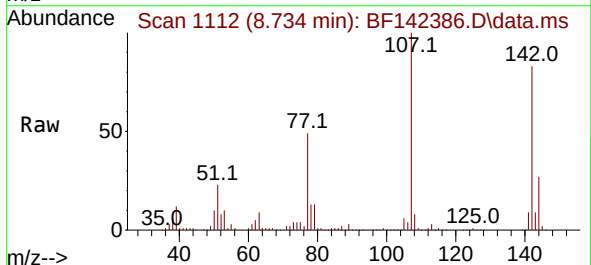
Instrument :
 BNA_F
 ClientSampleId :
 PB167951BS



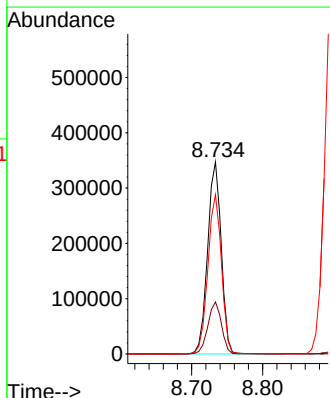
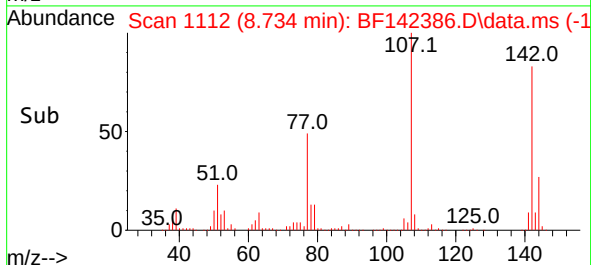
Tgt Ion:113 Resp: 71850
 Ion Ratio Lower Upper
 113 100
 55 185.8 176.4 216.4
 56 137.0 120.3 160.3

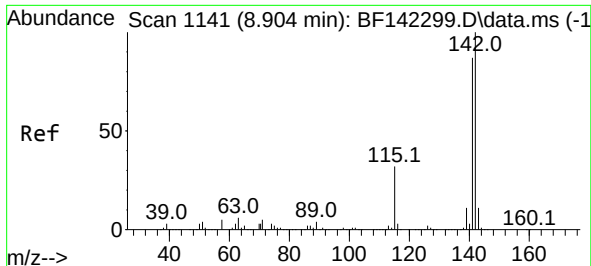


#36
 4-Chloro-3-methylphenol
 Concen: 47.463 ng
 RT: 8.734 min Scan# 1112
 Delta R.T. 0.006 min
 Lab File: BF142386.D
 Acq: 15 May 2025 11:06



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

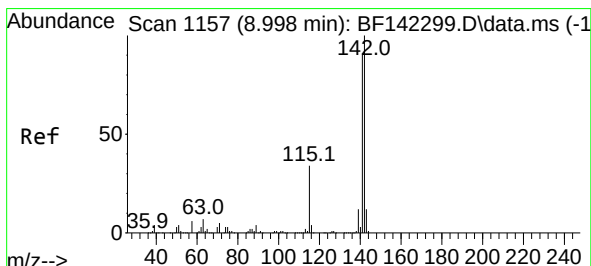
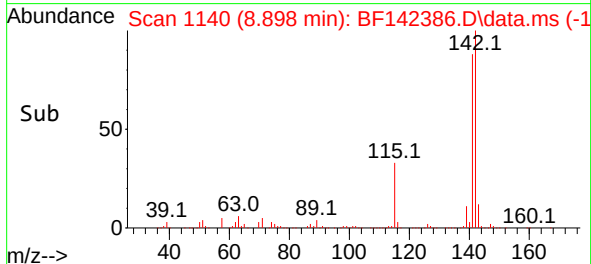
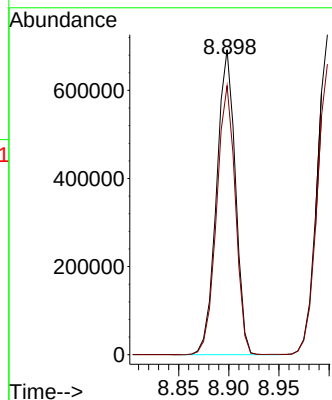
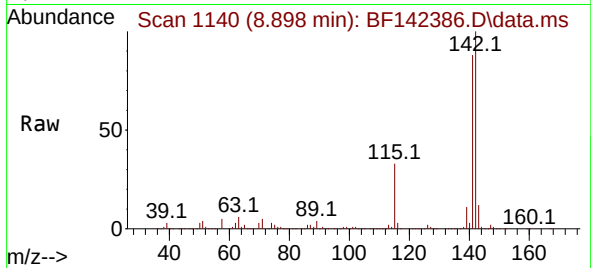




#37
2-Methylnaphthalene
Concen: 42.213 ng
RT: 8.898 min Scan# 1140
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

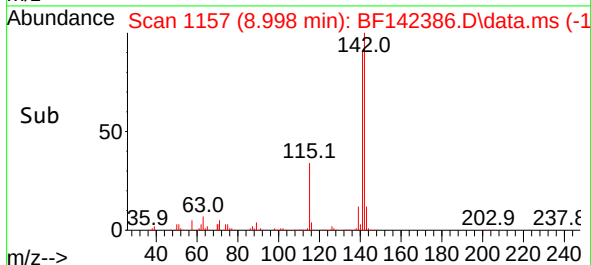
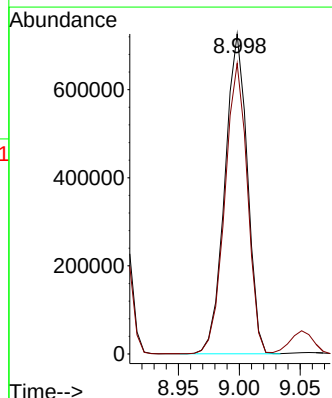
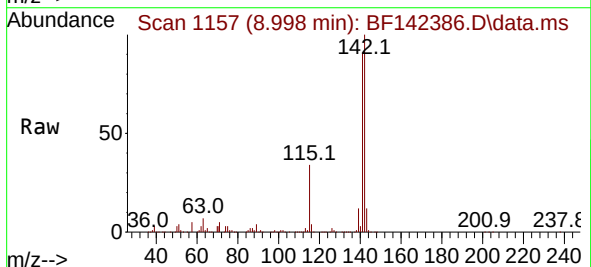
Instrument :
BNA_F
ClientSampleId :
PB167951BS

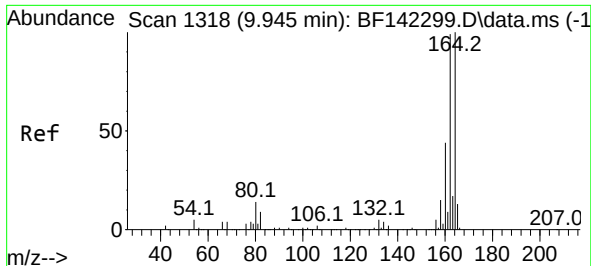
Tgt Ion:142 Resp: 901910
Ion Ratio Lower Upper
142 100
141 88.2 69.4 104.2



#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# 1167

Delta R.T. -0.006 min

Lab File: BF142386.D

Acq: 15 May 2025 11:06

Instrument :

BNA_F

ClientSampleId :

PB167951BS

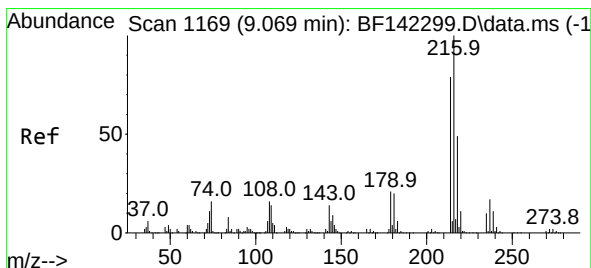
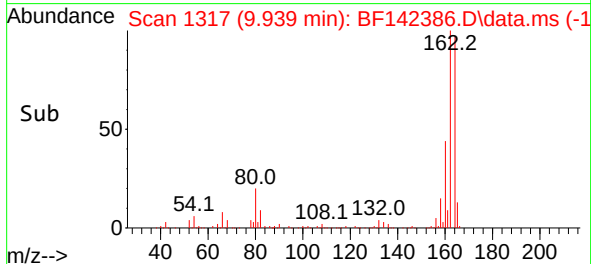
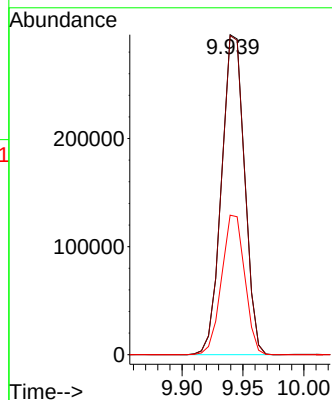
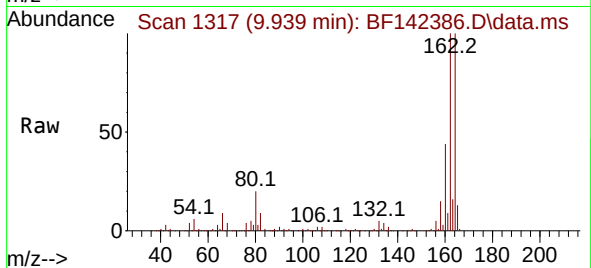
Tgt Ion:164 Resp: 390383

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

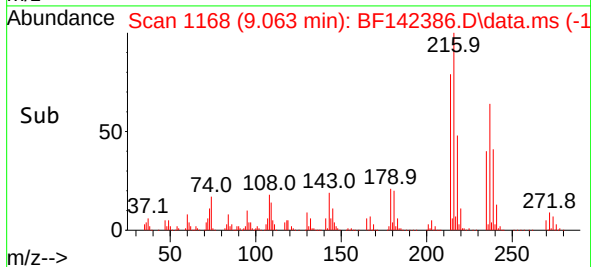
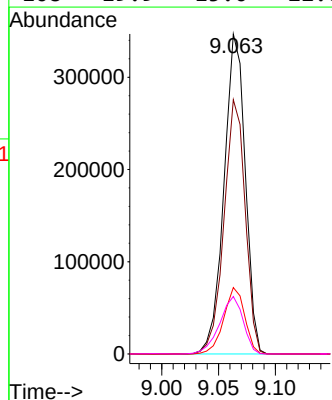
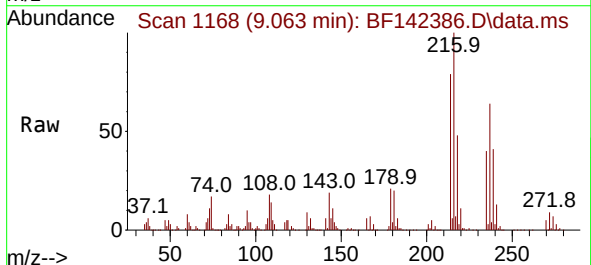
Ion Ratio Lower Upper

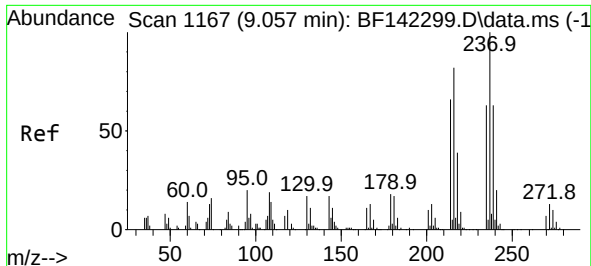
216 100

214 79.0 63.8 95.6

179 20.5 17.0 25.6

108 19.9 15.0 22.6

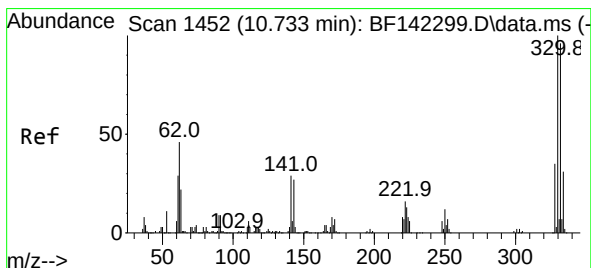
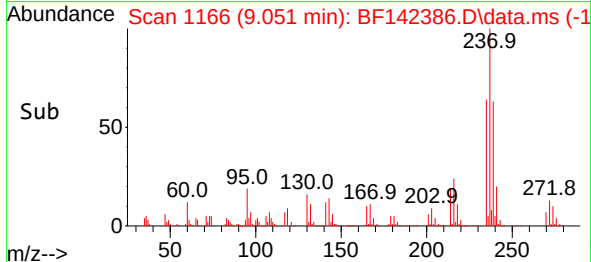
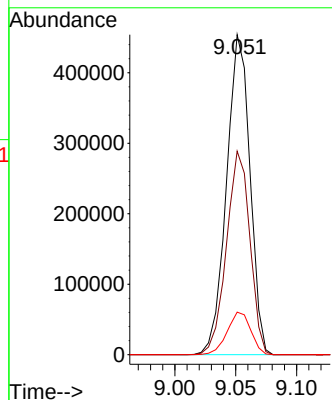
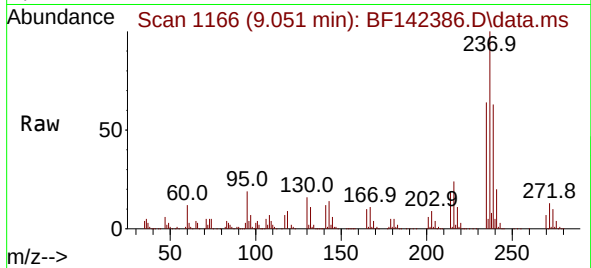




#41
Hexachlorocyclopentadiene
Concen: 90.221 ng
RT: 9.051 min Scan# 1166
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

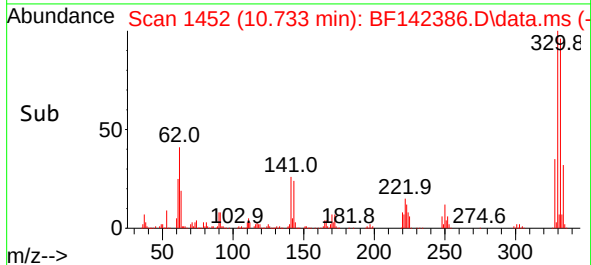
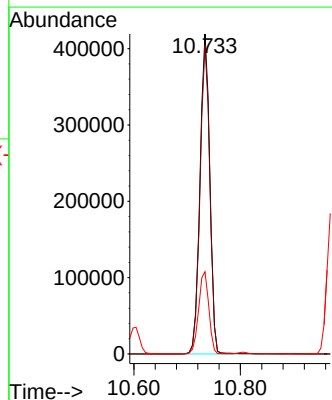
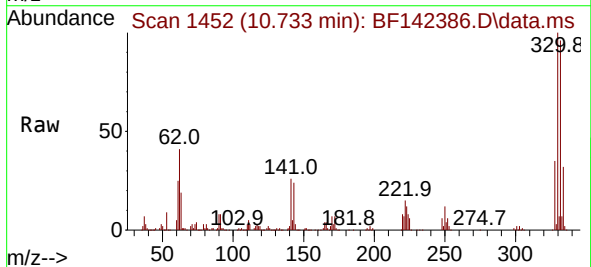
Instrument :
BNA_F
ClientSampleId :
PB167951BS

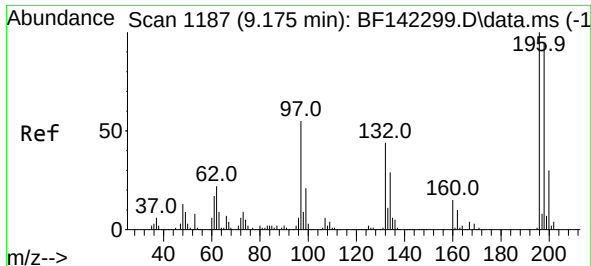
Tgt Ion:237 Resp: 607941
Ion Ratio Lower Upper
237 100
235 63.6 42.8 82.8
272 13.3 0.0 33.0



#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

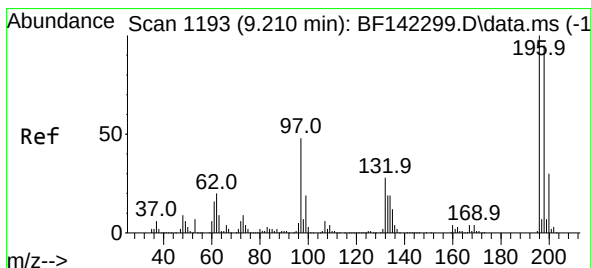
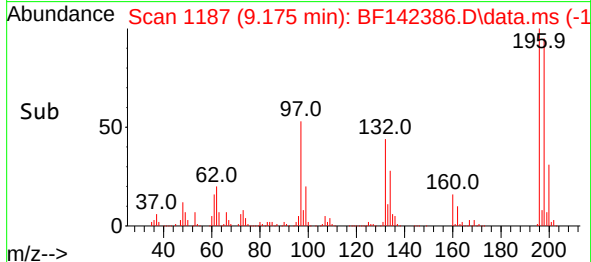
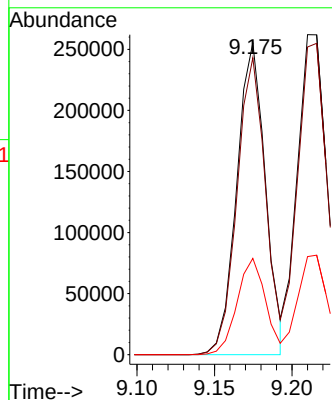
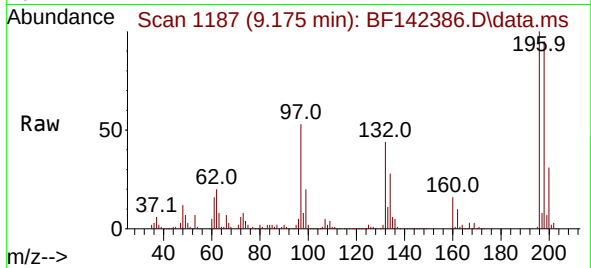




#43
2,4,6-Trichlorophenol
Concen: 47.621 ng
RT: 9.175 min Scan# 1187
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

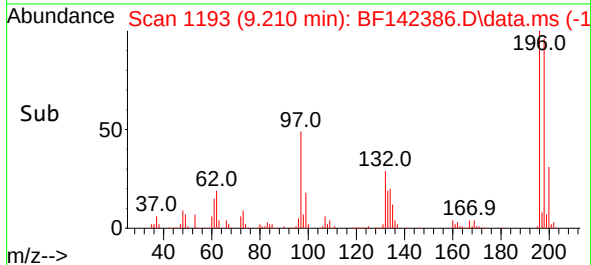
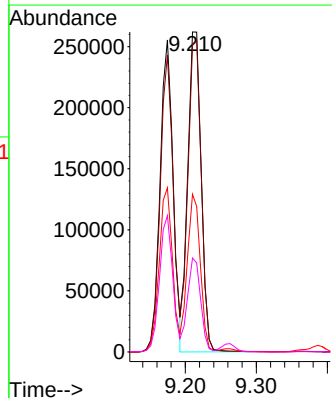
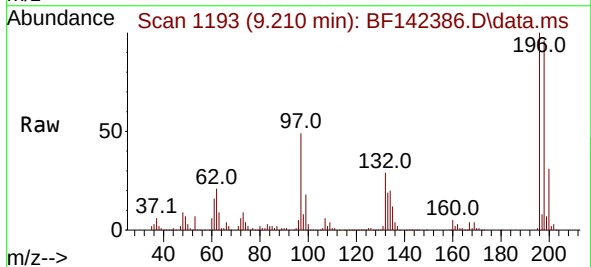
Instrument :
BNA_F
ClientSampleId :
PB167951BS

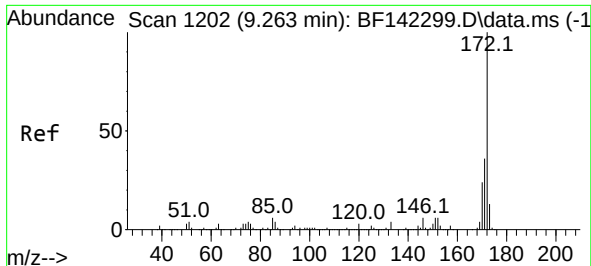
Tgt Ion:196 Resp: 327505
Ion Ratio Lower Upper
196 100
198 95.2 75.4 113.0
200 30.9 24.3 36.5



#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# 1202

Delta R.T. -0.000 min

Lab File: BF142386.D

Acq: 15 May 2025 11:06

Instrument :

BNA_F

ClientSampleId :

PB167951BS

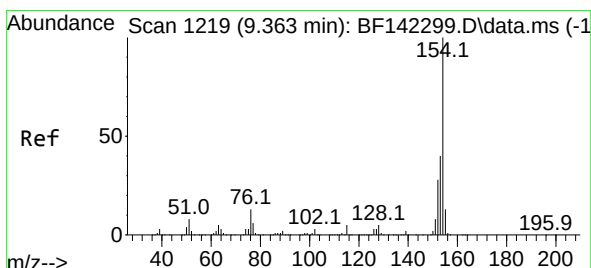
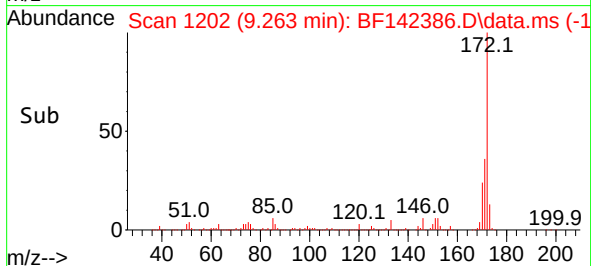
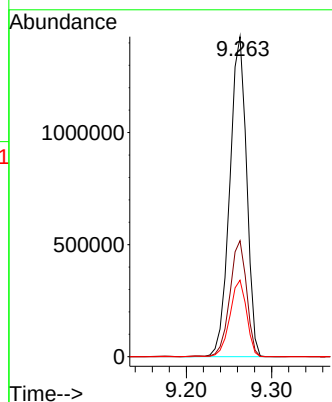
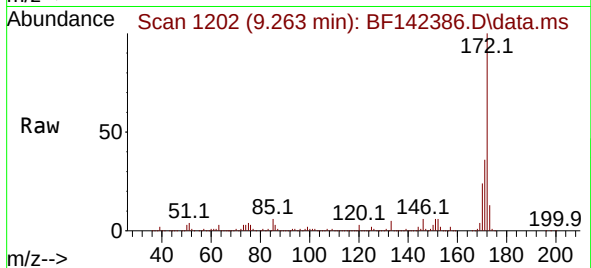
Tgt Ion:172 Resp: 1960008

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

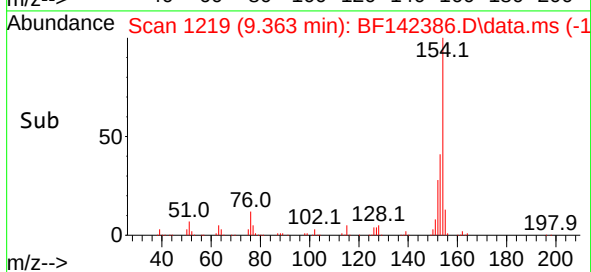
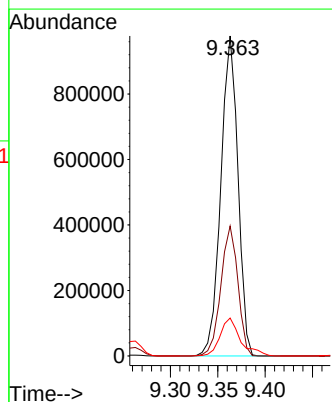
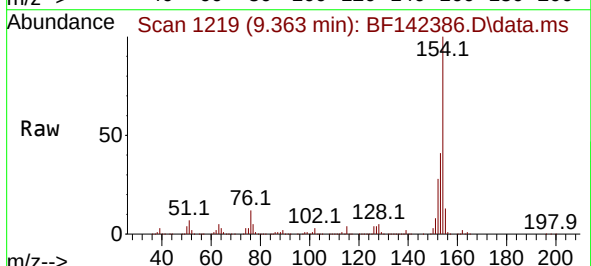
Tgt Ion:154 Resp: 1229160

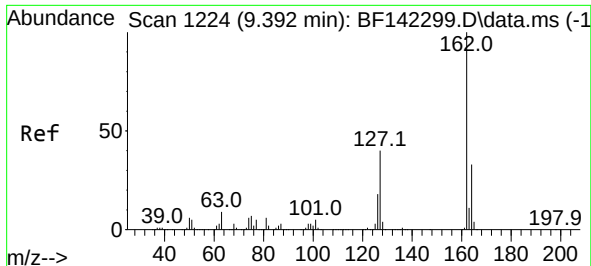
Ion Ratio Lower Upper

154 100

153 40.6 20.5 60.5

76 11.8 0.0 32.8

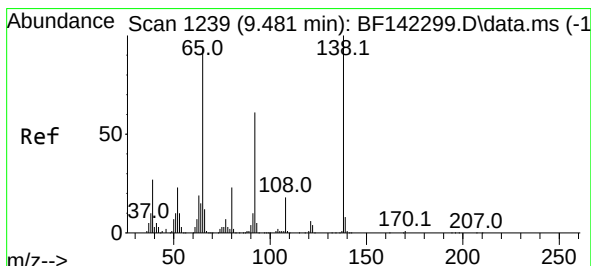
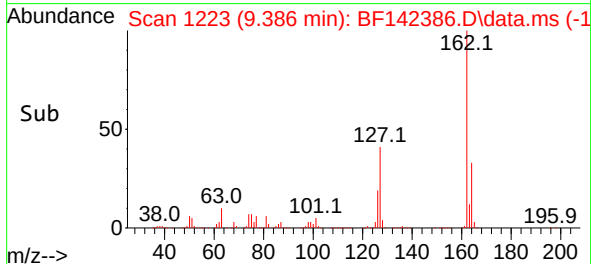
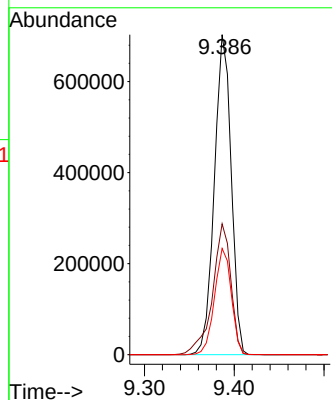
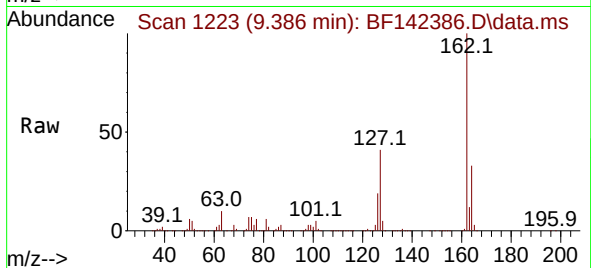




#47
2-Chloronaphthalene
Concen: 41.162 ng
RT: 9.386 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

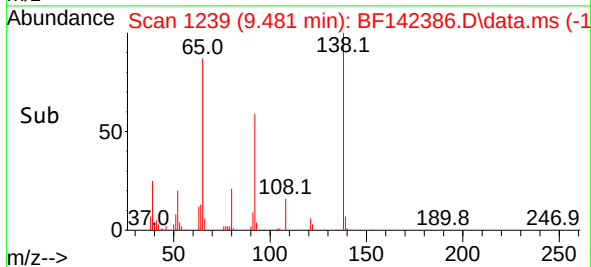
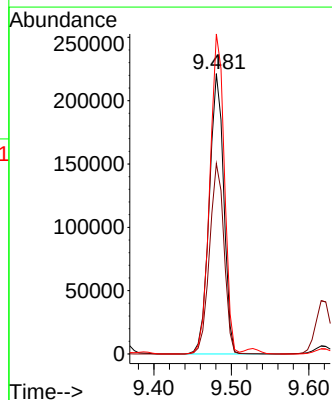
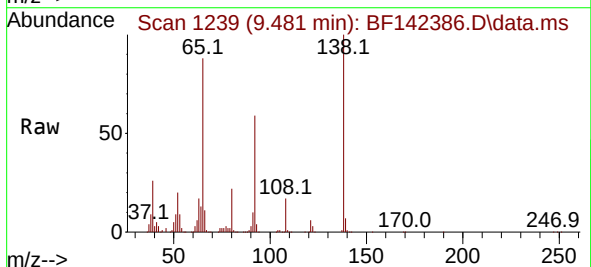
Instrument :
BNA_F
ClientSampleId :
PB167951BS

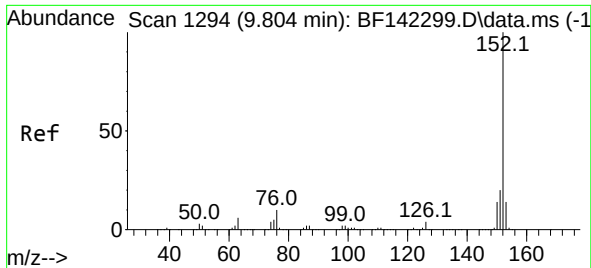
Tgt Ion:162 Resp: 916262
Ion Ratio Lower Upper
162 100
127 40.9 32.3 48.5
164 33.2 26.6 40.0



#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

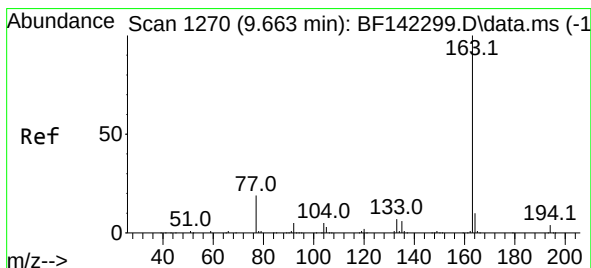
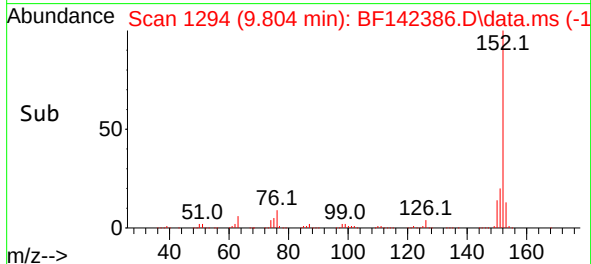
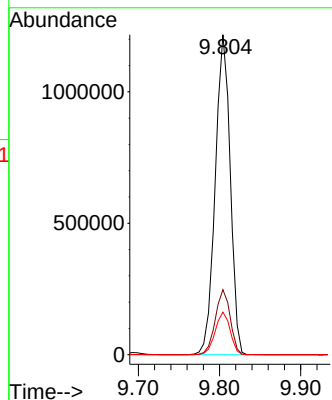
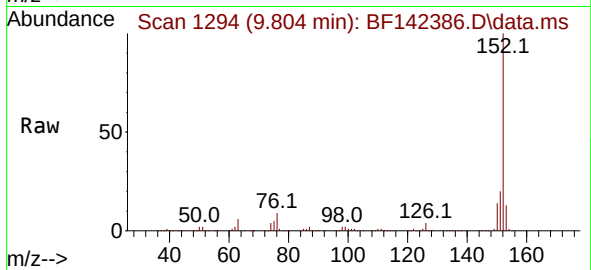




#49
Acenaphthylene
Concen: 41.988 ng
RT: 9.804 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

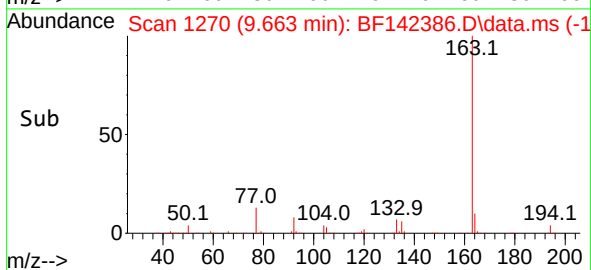
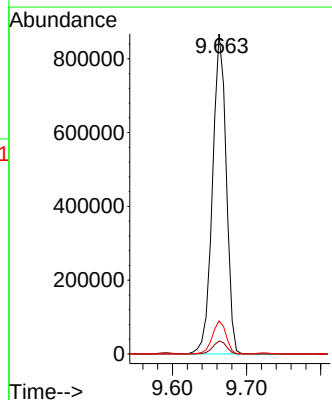
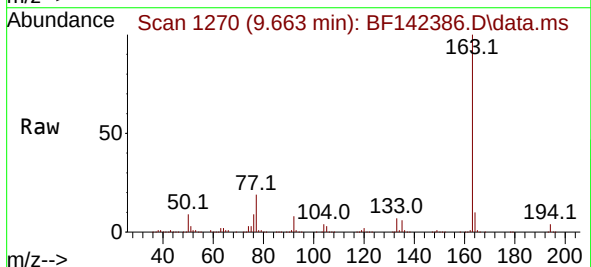
Instrument :
BNA_F
ClientSampleId :
PB167951BS

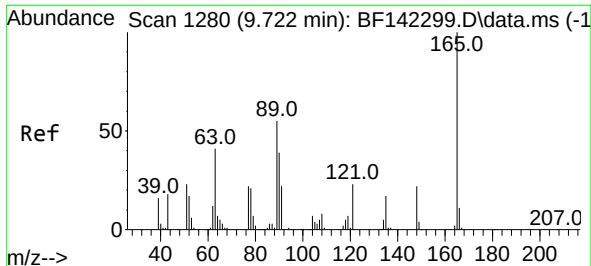
Tgt Ion:152 Resp: 1563555
Ion Ratio Lower Upper
152 100
151 20.3 16.0 24.0
153 13.3 10.8 16.2



#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

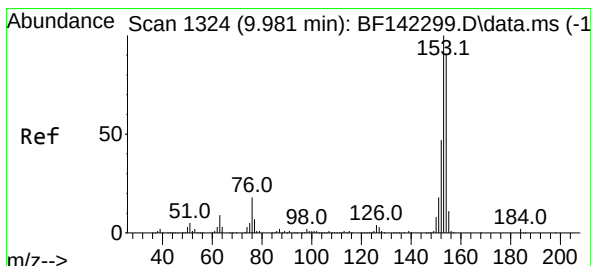
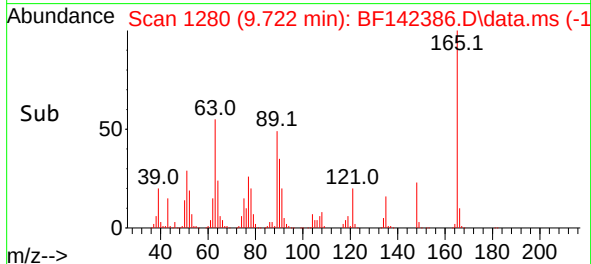
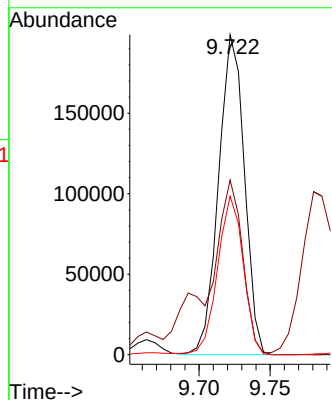
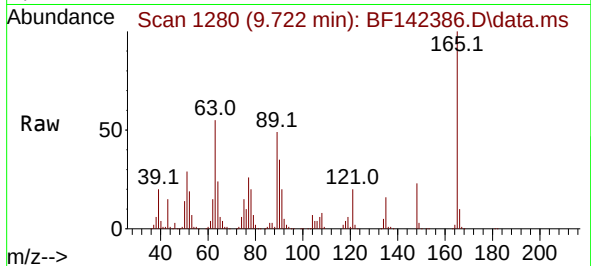




#51
2,6-Dinitrotoluene
Concen: 53.548 ng
RT: 9.722 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

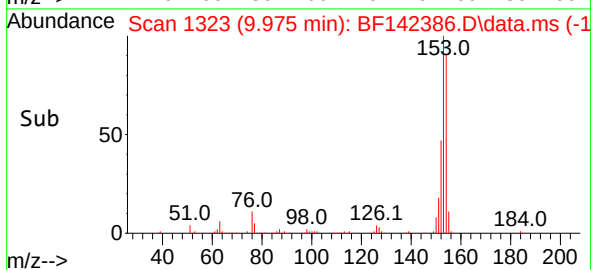
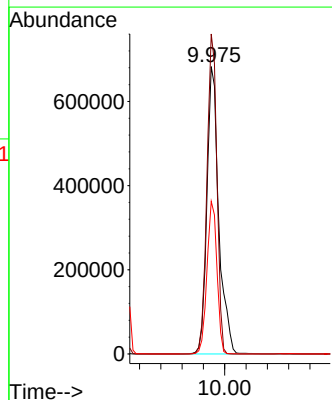
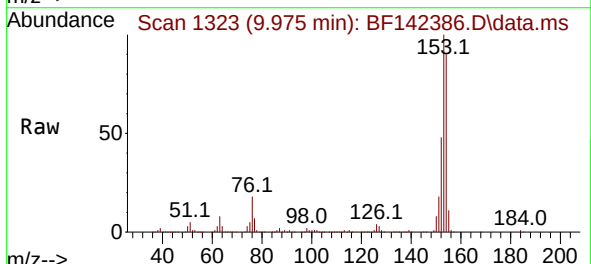
Instrument :
BNA_F
ClientSampleId :
PB167951BS

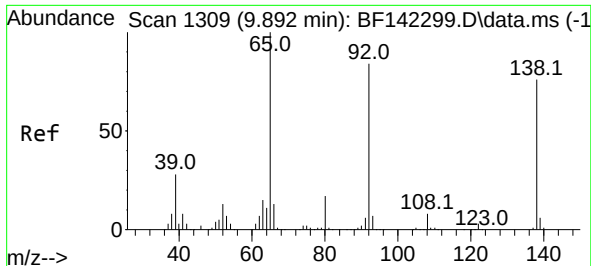
Tgt Ion:165 Resp: 251258
Ion Ratio Lower Upper
165 100
63 54.6 49.5 74.3
89 49.5 44.6 66.8



#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

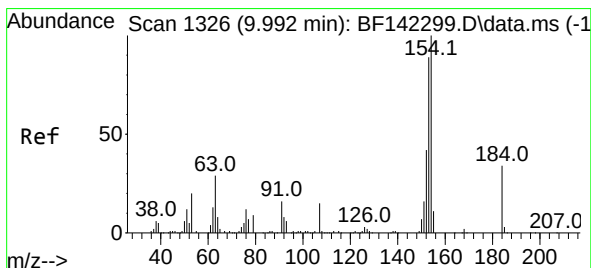
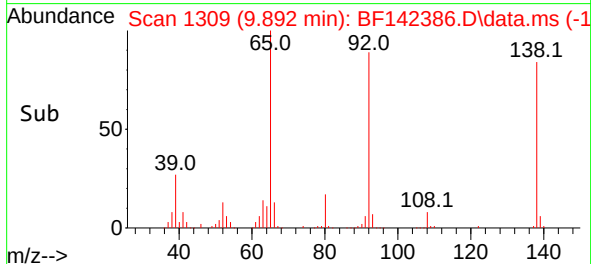
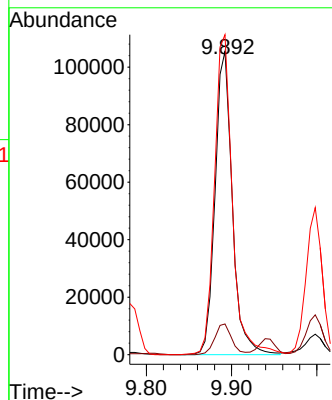
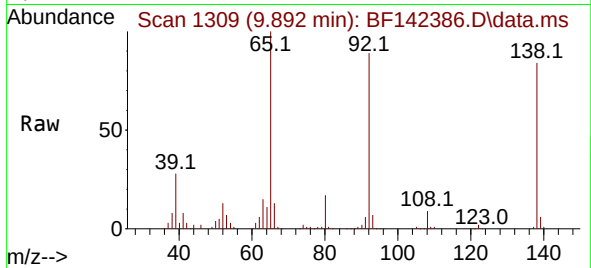




#53
3-Nitroaniline
Concen: 26.925 ng
RT: 9.892 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

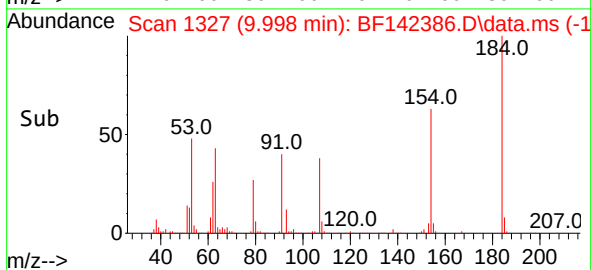
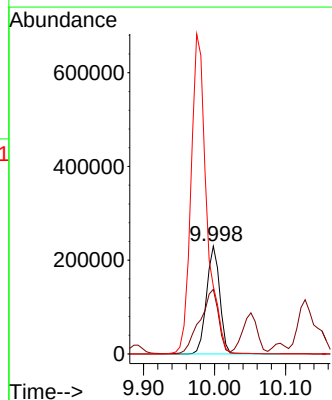
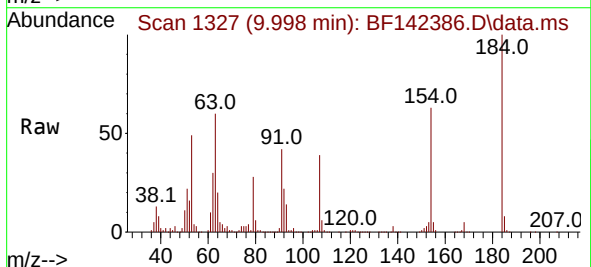
Instrument :
BNA_F
ClientSampleId :
PB167951BS

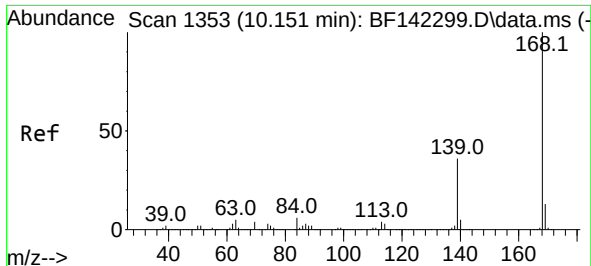
Tgt Ion:138 Resp: 148171
Ion Ratio Lower Upper
138 100
108 10.1 8.7 13.1
92 105.5 89.5 134.3



#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#

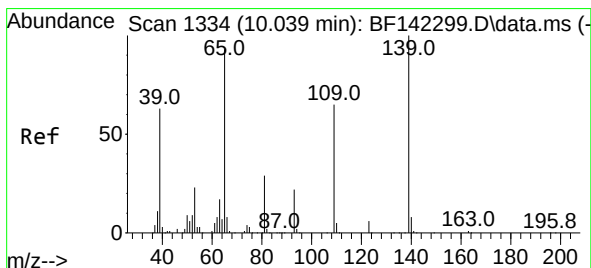
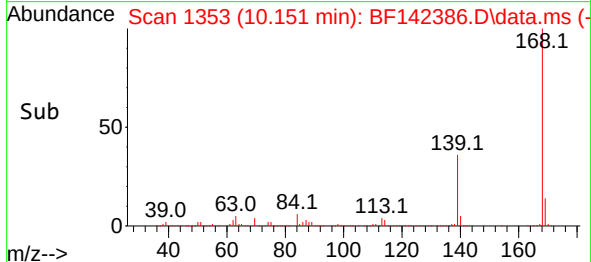
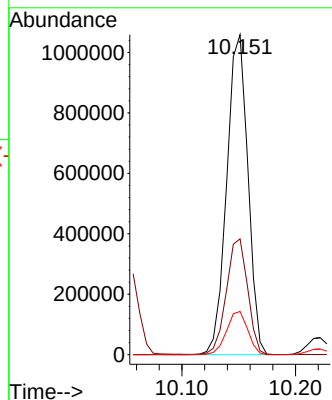
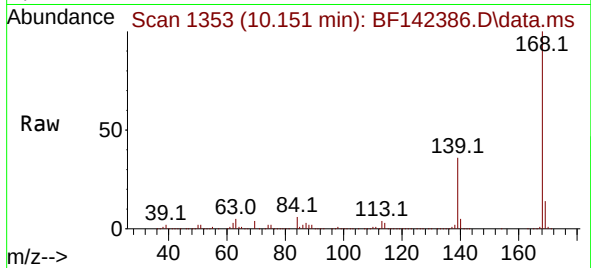




#55
Dibenzofuran
Concen: 41.493 ng
RT: 10.151 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

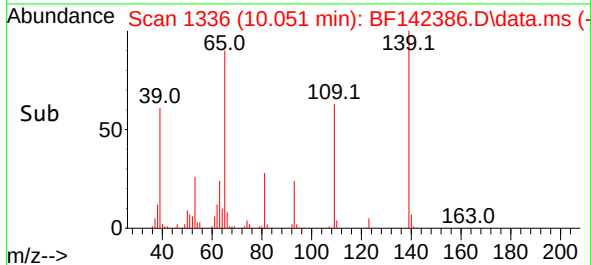
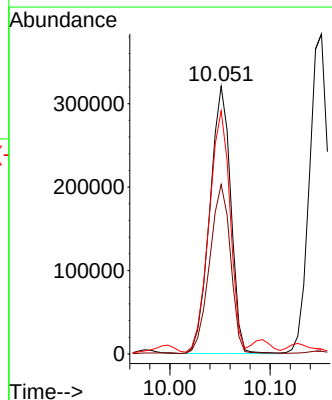
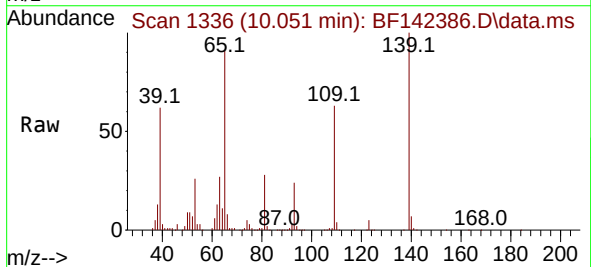
Instrument :
BNA_F
ClientSampleId :
PB167951BS

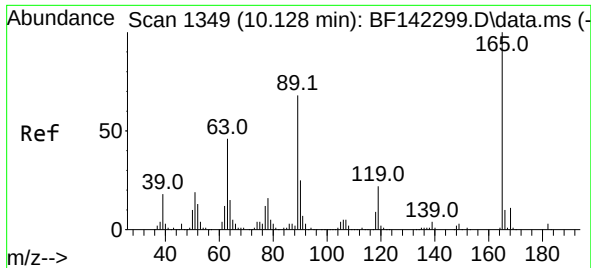
Tgt Ion:168 Resp: 1371115
Ion Ratio Lower Upper
168 100
139 36.2 29.0 43.4
169 13.5 10.7 16.1



#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

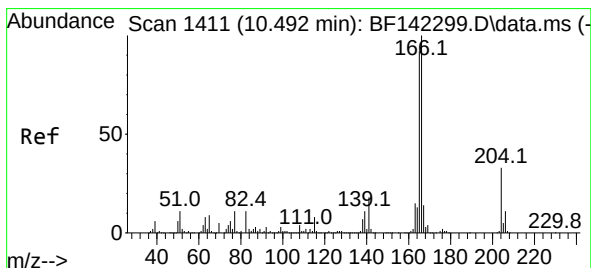
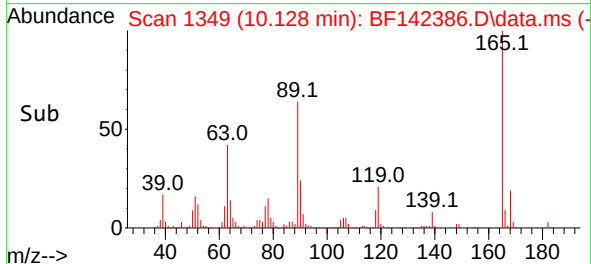
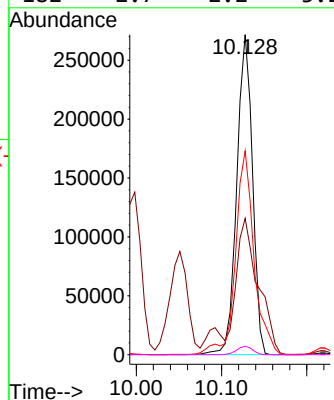
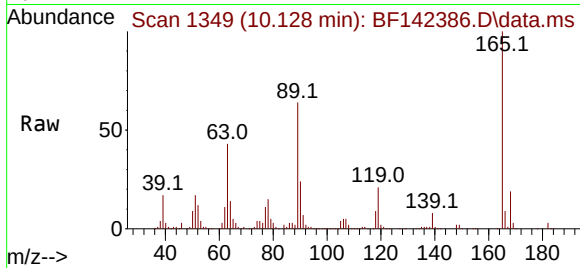




#57
2,4-Dinitrotoluene
Concen: 57.728 ng
RT: 10.128 min Scan# 1349
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

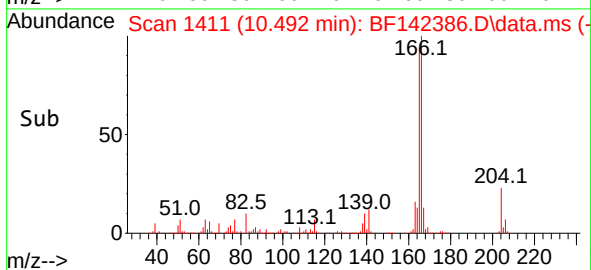
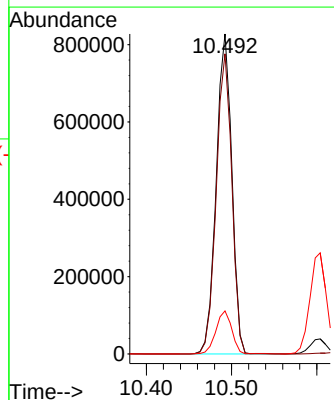
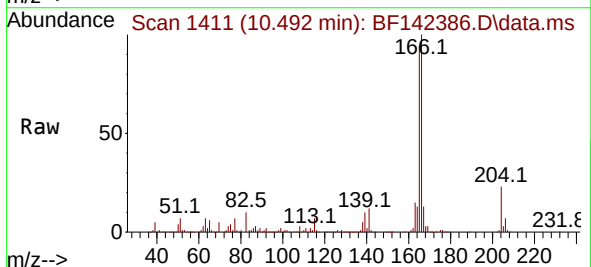
Instrument :
BNA_F
ClientSampleId :
PB167951BS

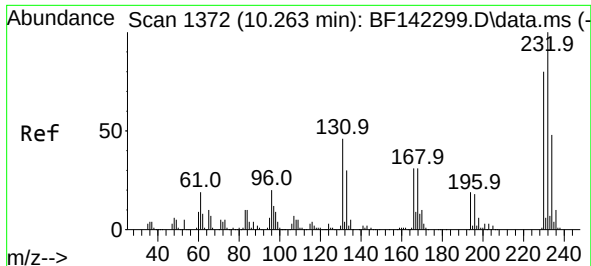
Tgt Ion:165 Resp: 347454
Ion Ratio Lower Upper
165 100
63 42.6 37.1 55.7
89 63.7 54.4 81.6
182 2.7 2.2 3.2



#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

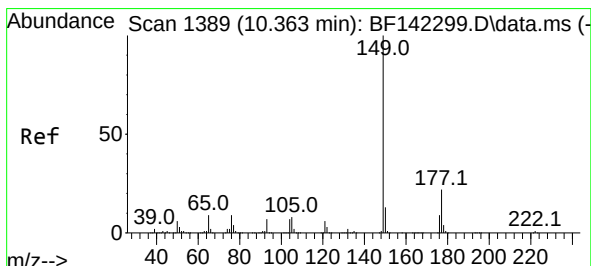
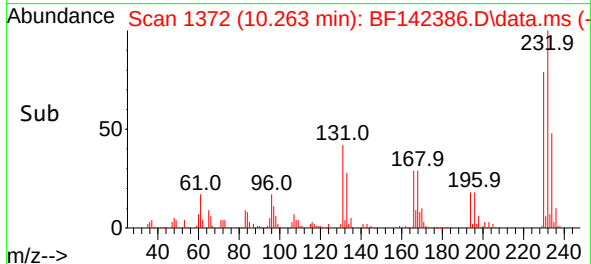
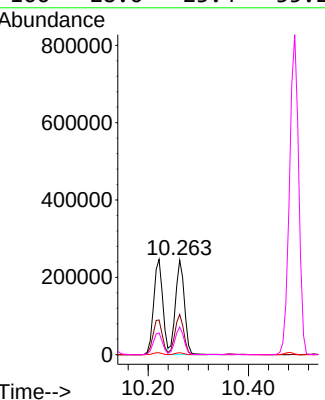
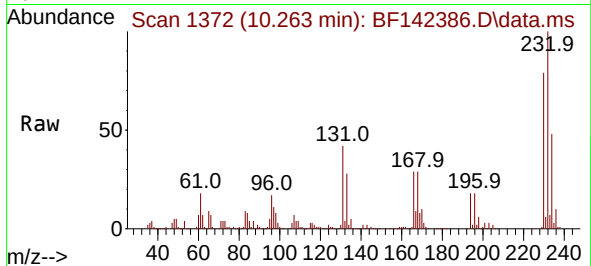




#59
2,3,4,6-Tetrachlorophenol
Concen: 50.597 ng
RT: 10.263 min Scan# 1372
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

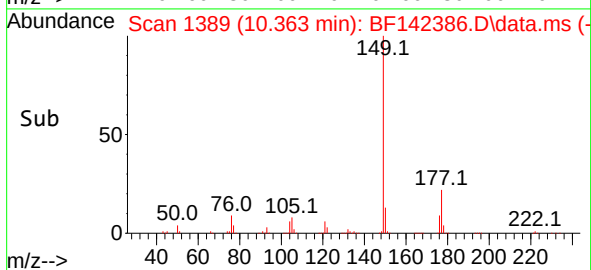
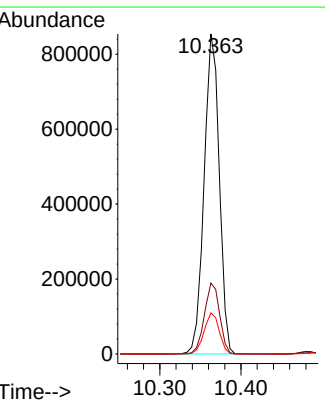
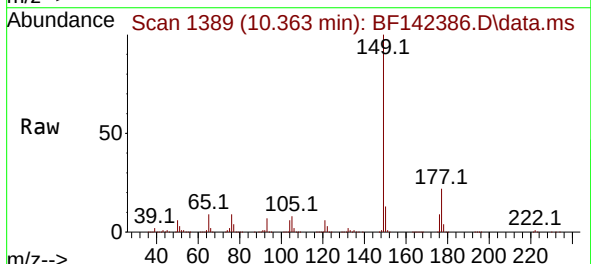
Instrument :
BNA_F
ClientSampleId :
PB167951BS

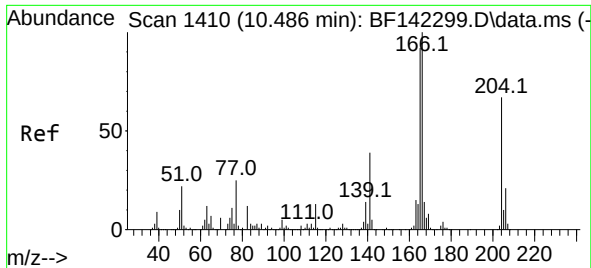
Tgt Ion:232 Resp: 305641
Ion Ratio Lower Upper
232 100
131 42.1 36.0 54.0
130 2.0 1.8 2.6
166 28.6 23.4 35.2



#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

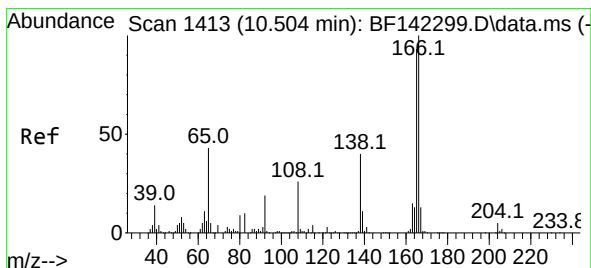
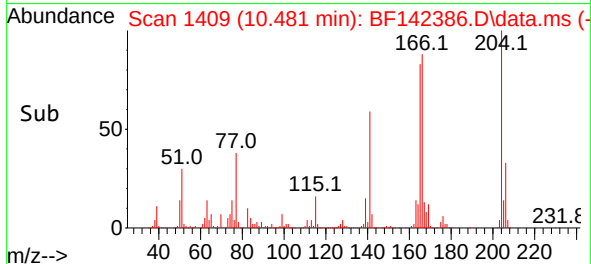
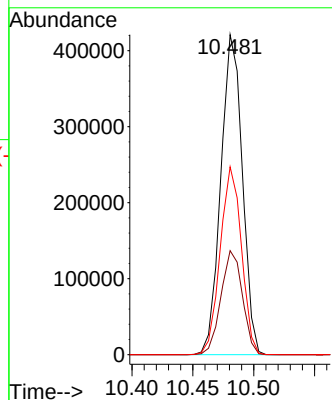
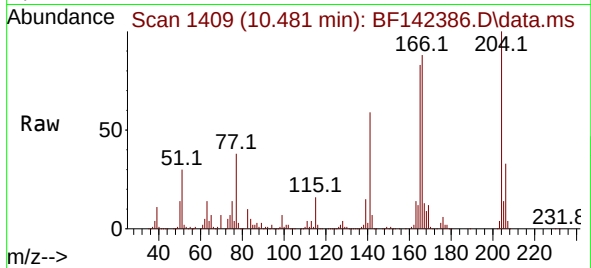




#61
4-Chlorophenyl-phenylether
Concen: 42.581 ng
RT: 10.481 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

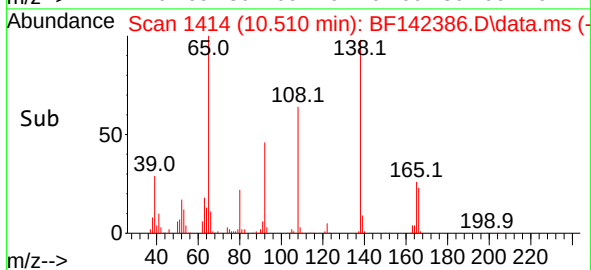
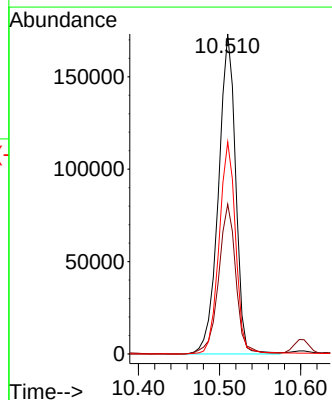
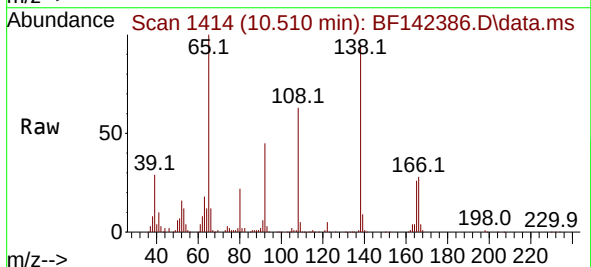
Instrument :
BNA_F
ClientSampleId :
PB167951BS

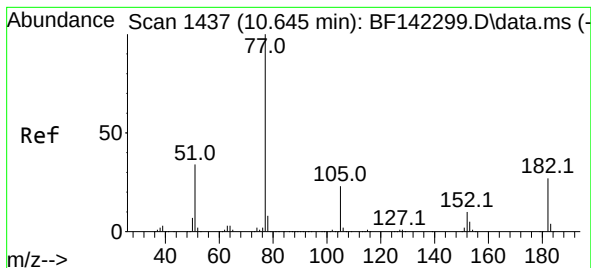
Tgt Ion:204 Resp: 518059
Ion Ratio Lower Upper
204 100
206 32.5 25.5 38.3
141 58.7 46.4 69.6



#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# 1437

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

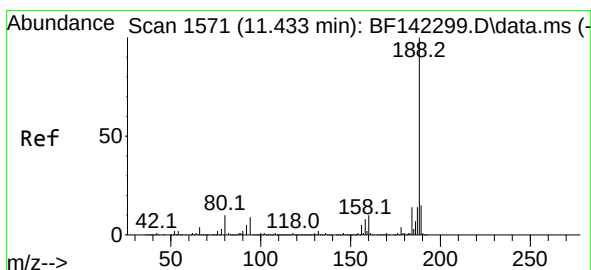
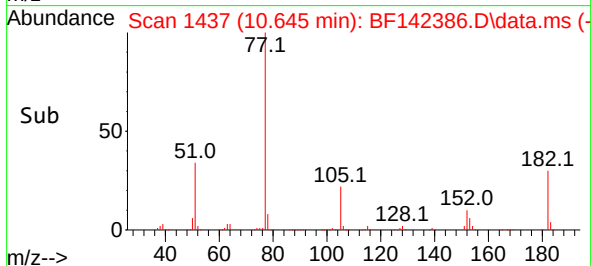
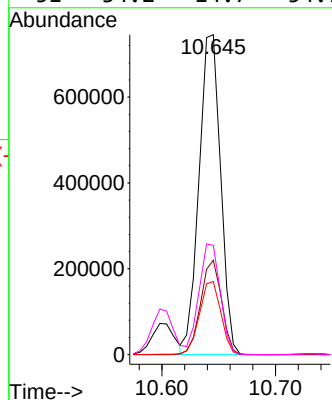
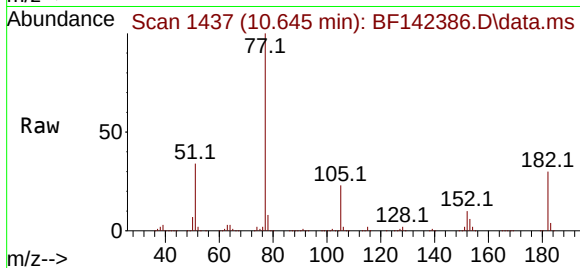
Ion Ratio Lower Upper

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

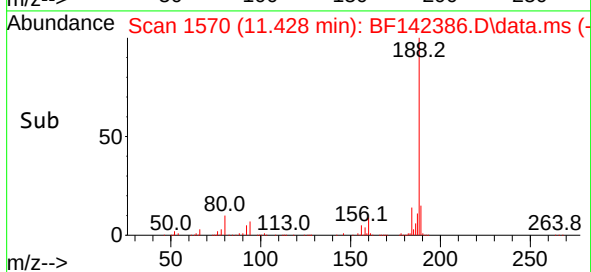
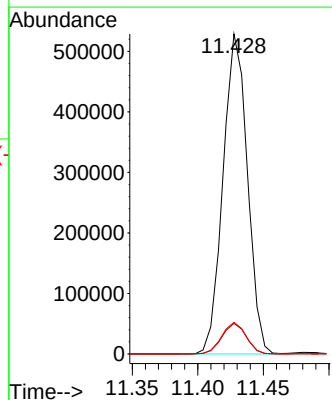
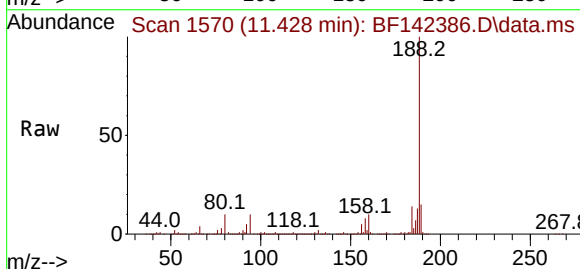
Tgt Ion: 188 Resp: 683655

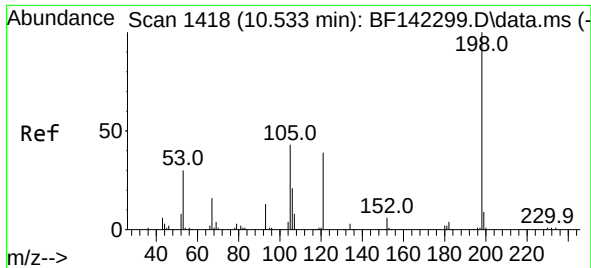
Ion Ratio Lower Upper

188 100

94 9.6 7.5 11.3

80 9.9 7.9 11.9

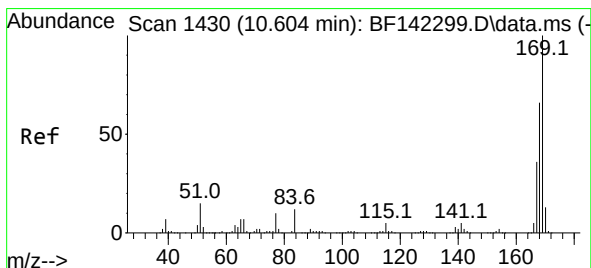
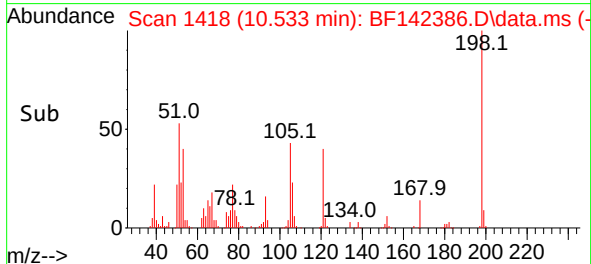
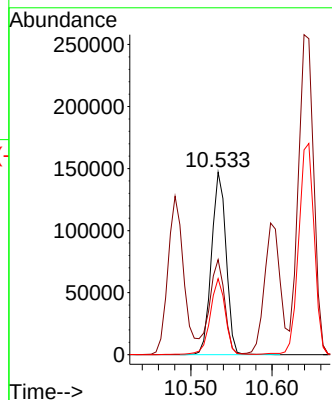
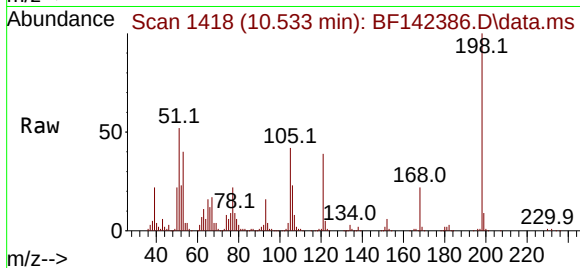




#65
4,6-Dinitro-2-methylphenol
Concen: 55.913 ng
RT: 10.533 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

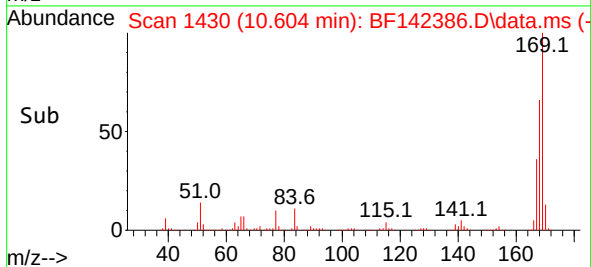
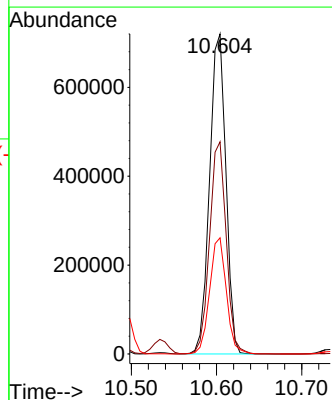
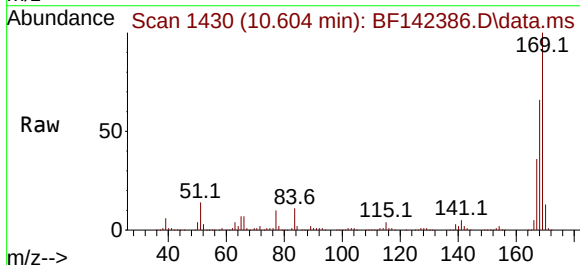
Instrument :
BNA_F
ClientSampleId :
PB167951BS

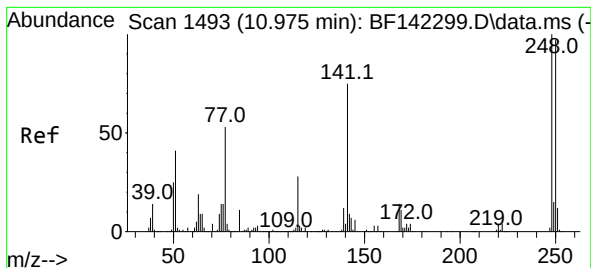
Tgt Ion:198 Resp: 182627
Ion Ratio Lower Upper
198 100
51 52.1 32.9 72.9
105 41.7 23.7 63.7



#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

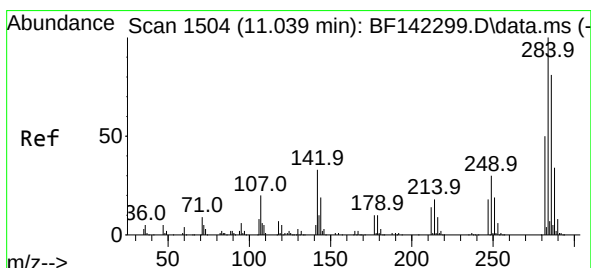
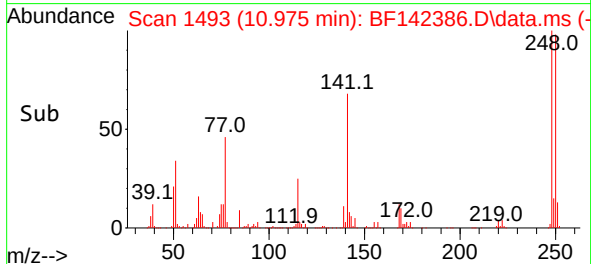
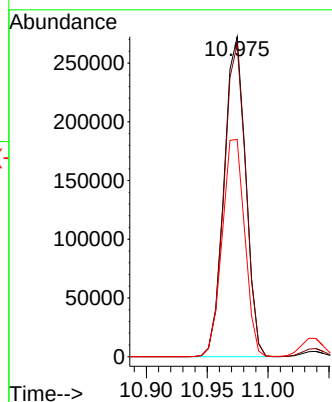
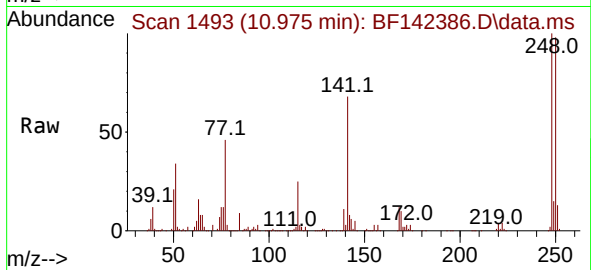




#67
4-Bromophenyl-phenylether
Concen: 43.574 ng
RT: 10.975 min Scan# 1493
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

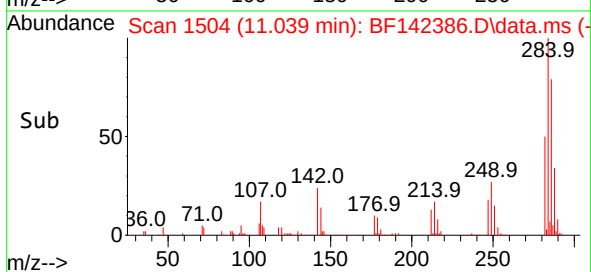
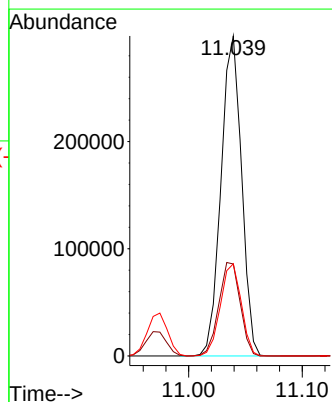
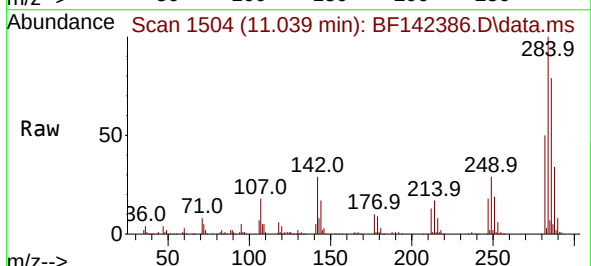
Instrument :
BNA_F
ClientSampleId :
PB167951BS

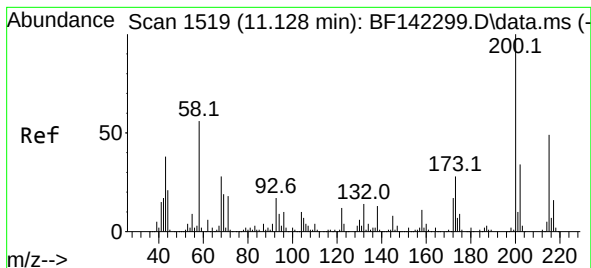
Tgt Ion:248 Resp: 337616
Ion Ratio Lower Upper
248 100
250 97.6 77.9 116.9
141 67.9 59.8 89.8



#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# 1519

Delta R.T. -0.000 min

Lab File: BF142386.D

Acq: 15 May 2025 11:06

Instrument :

BNA_F

ClientSampleId :

PB167951BS

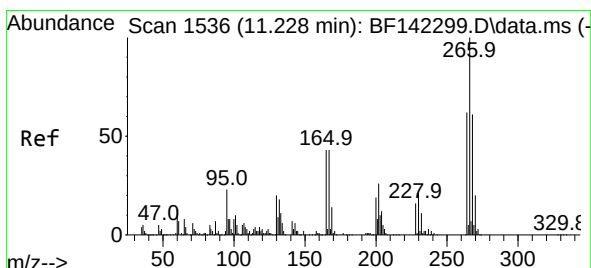
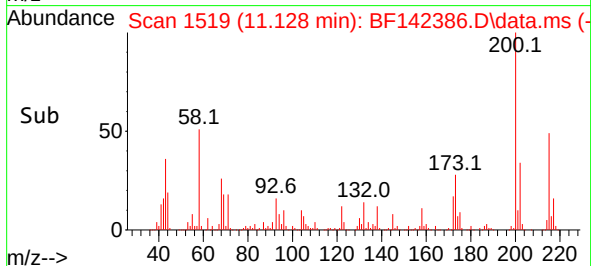
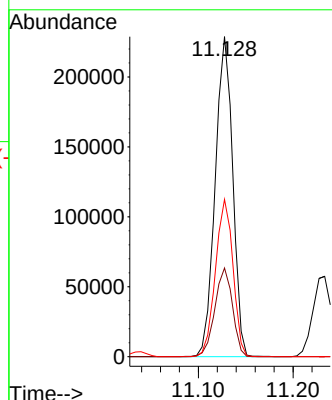
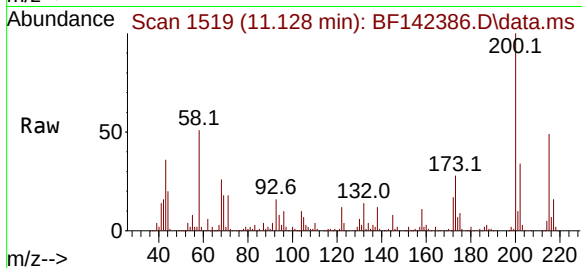
Tgt Ion:200 Resp: 293766

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

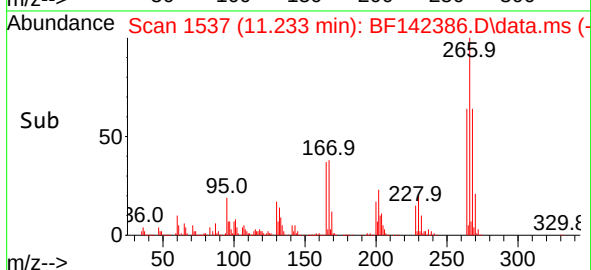
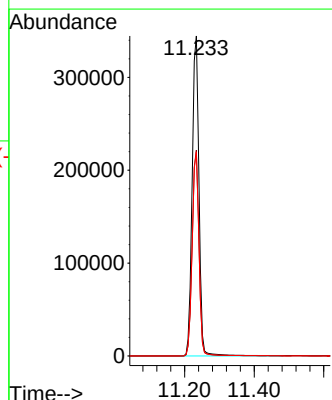
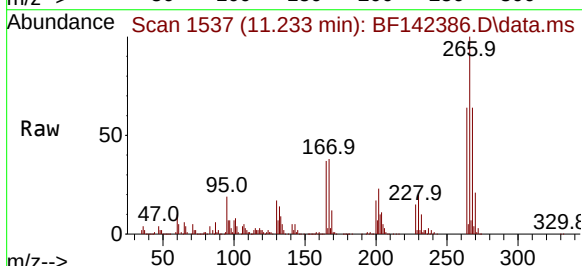
Tgt Ion:266 Resp: 471856

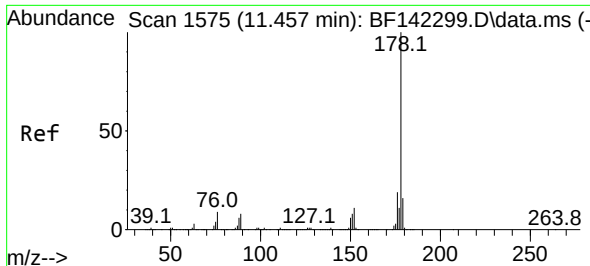
Ion Ratio Lower Upper

266 100

268 64.4 48.7 73.1

264 63.8 49.8 74.6

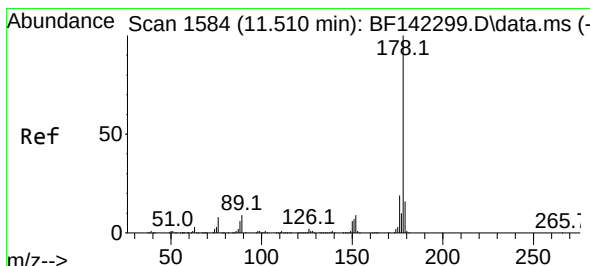
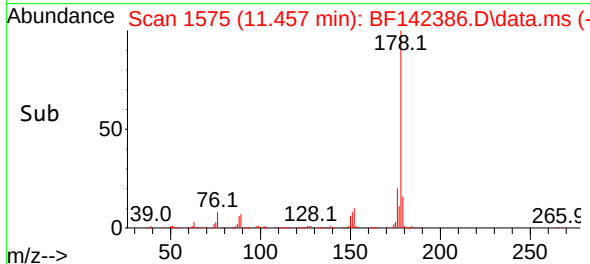
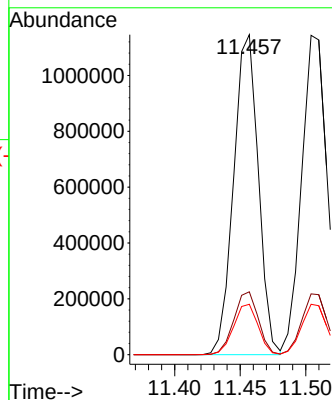
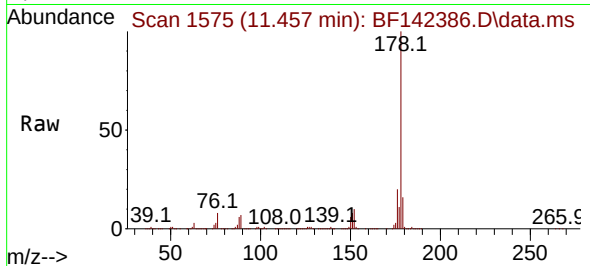




#71
Phenanthrene
Concen: 41.963 ng
RT: 11.457 min Scan# 1575
Delta R.T. -0.000 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

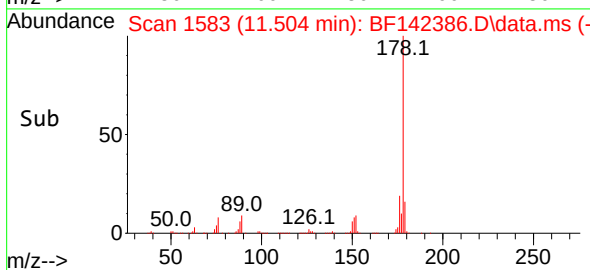
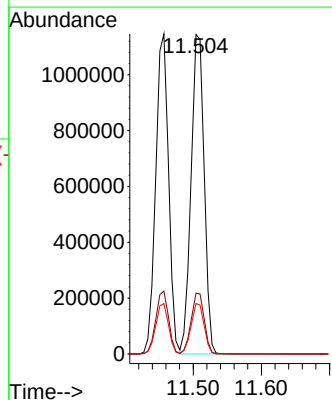
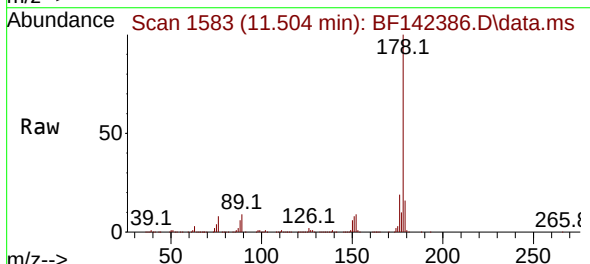
Instrument :
BNA_F
ClientSampleId :
PB167951BS

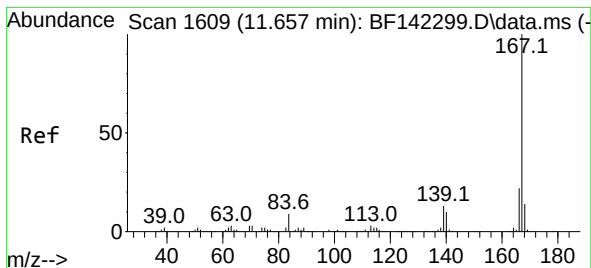
Tgt Ion:178 Resp: 1503753
Ion Ratio Lower Upper
178 100
176 19.6 15.5 23.3
179 15.8 12.6 18.8



#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

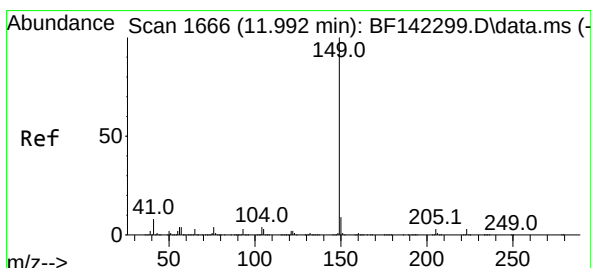
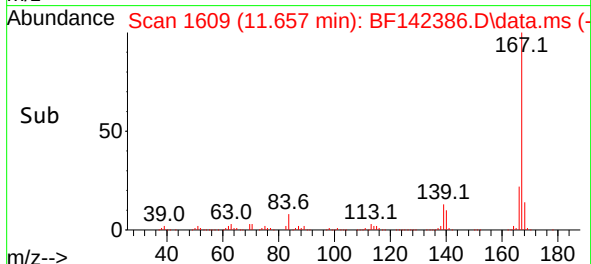
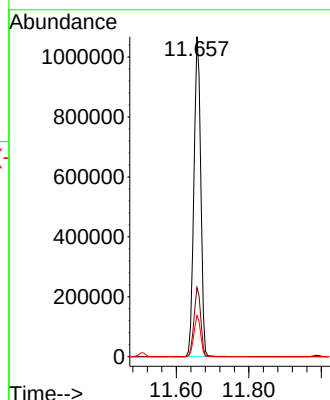
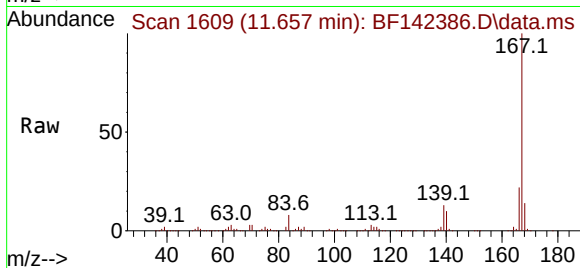
Tgt Ion:167 Resp: 1390787

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

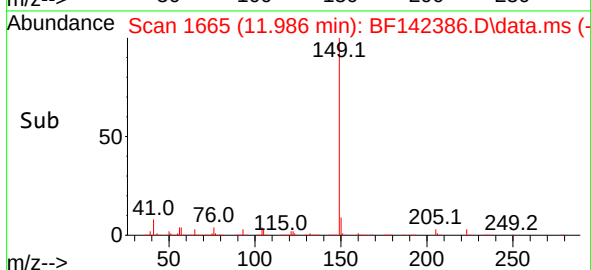
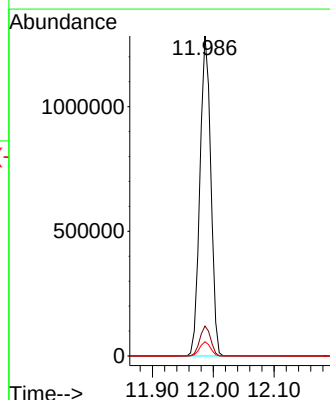
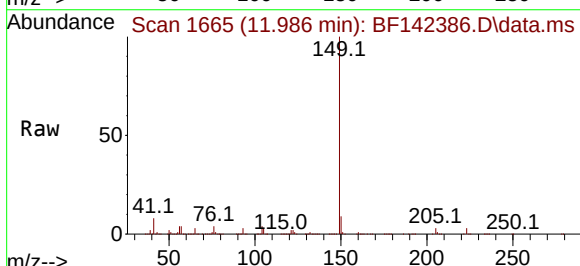
Tgt Ion:149 Resp: 1588510

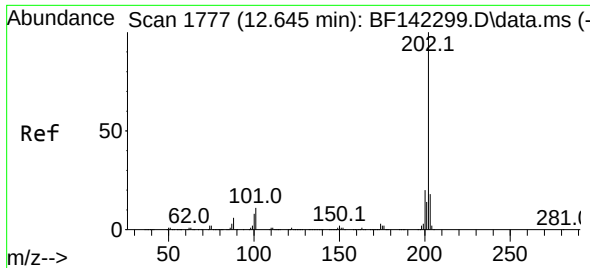
Ion Ratio Lower Upper

149 100

150 9.4 7.5 11.3

104 4.4 3.6 5.4

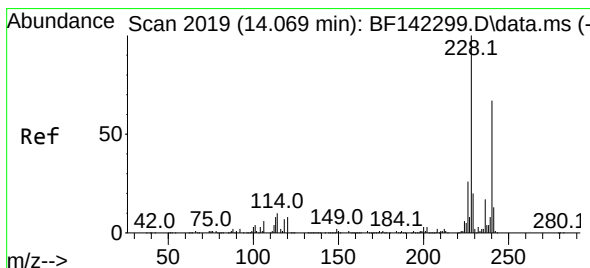
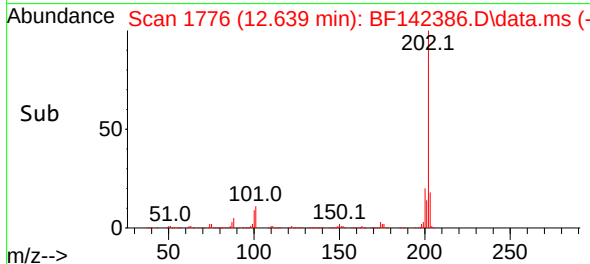
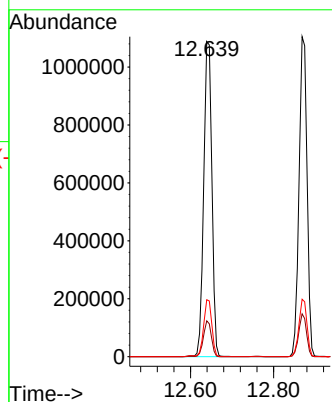
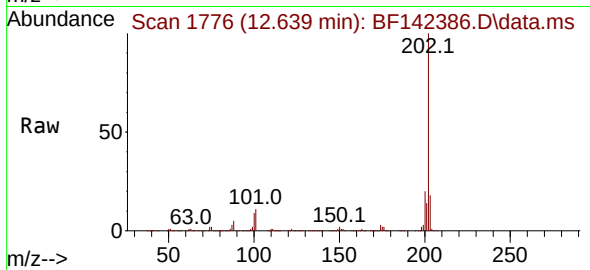




#75
Fluoranthene
Concen: 41.530 ng
RT: 12.639 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

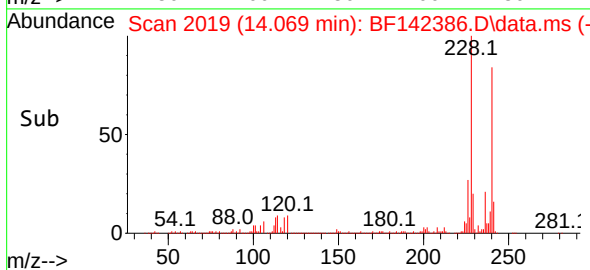
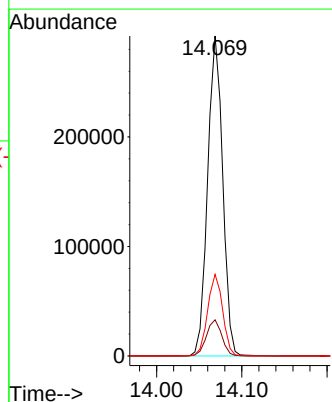
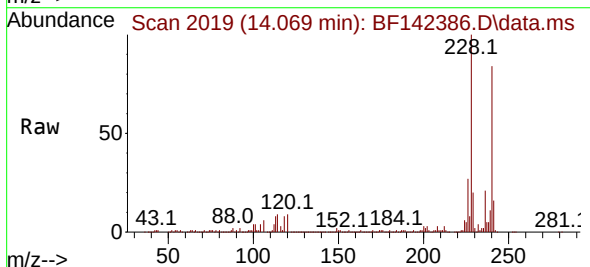
Instrument :
BNA_F
ClientSampleId :
PB167951BS

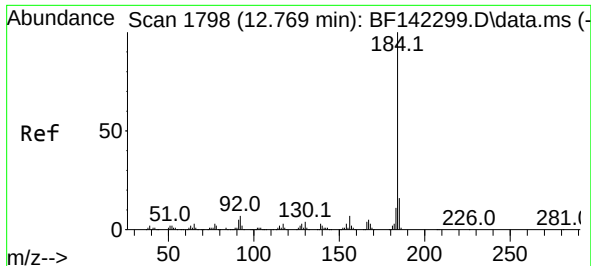
Tgt Ion:202 Resp: 1487674
Ion Ratio Lower Upper
202 100
101 11.4 0.0 31.4
203 18.1 0.0 37.9



#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

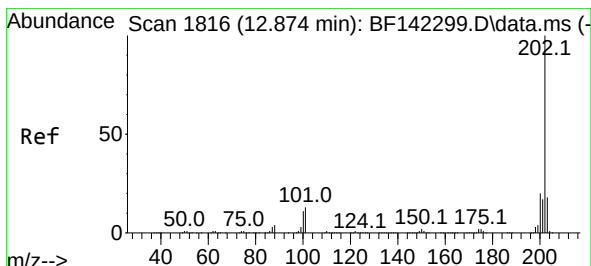
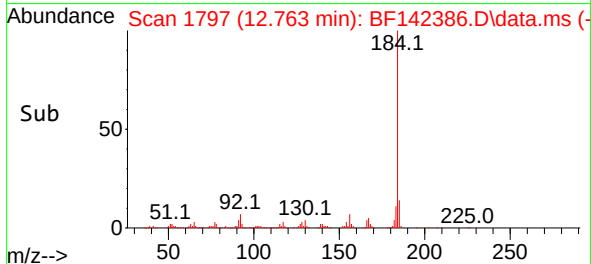
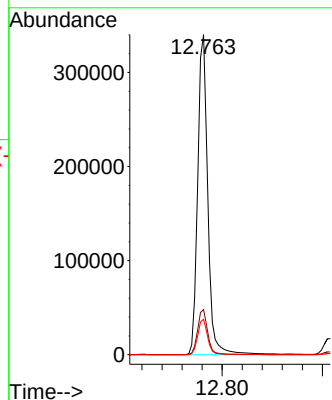
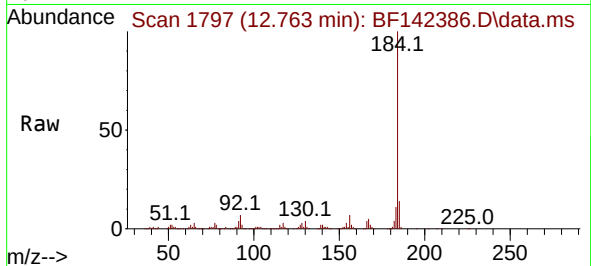




#77
Benzidine
Concen: 72.605 ng
RT: 12.763 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

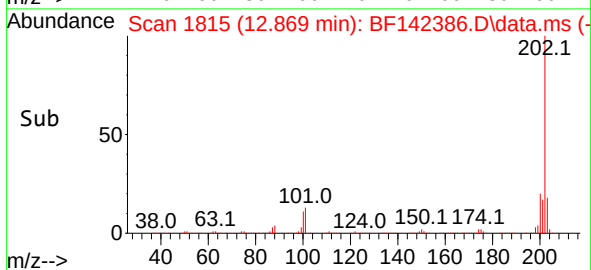
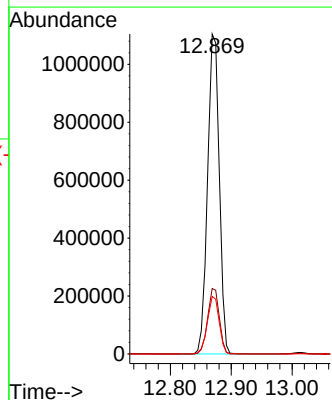
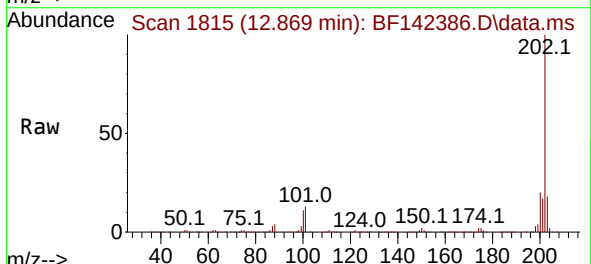
Instrument :
BNA_F
ClientSampleId :
PB167951BS

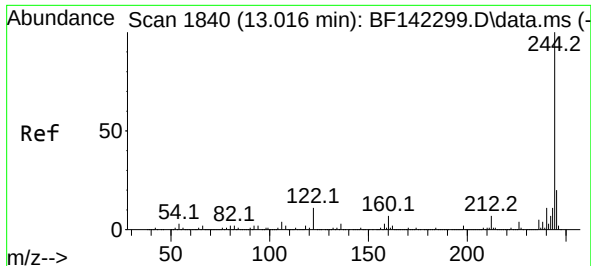
Tgt Ion:184 Resp: 473065
Ion Ratio Lower Upper
184 100
185 14.1 12.6 18.8
183 11.0 8.6 12.8



#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

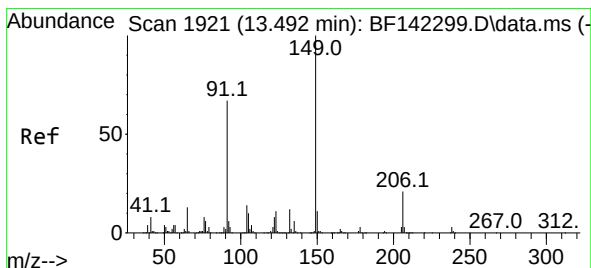
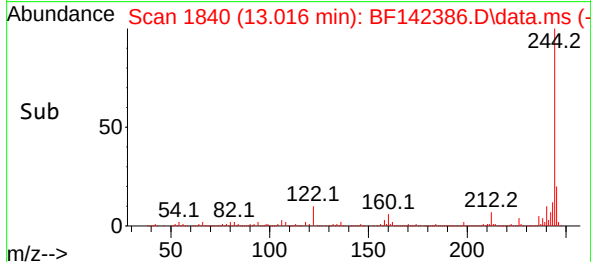
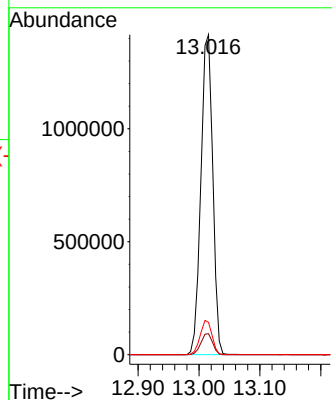
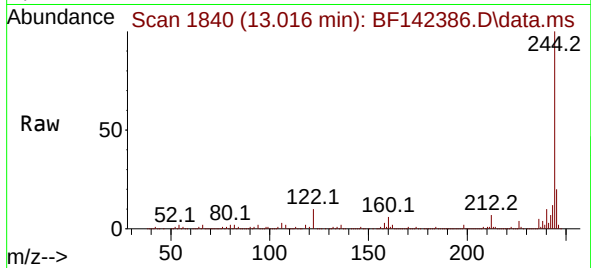




#79
 Terphenyl-d14
 Concen: 79.343 ng
 RT: 13.016 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: BF142386.D
 Acq: 15 May 2025 11:06

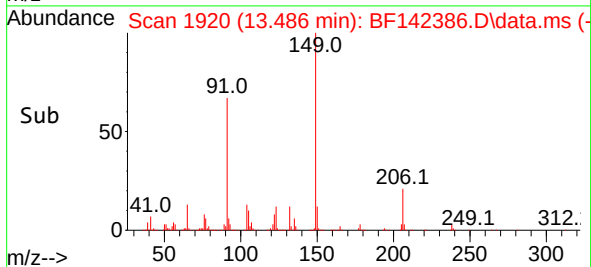
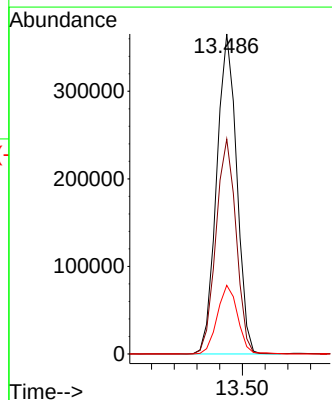
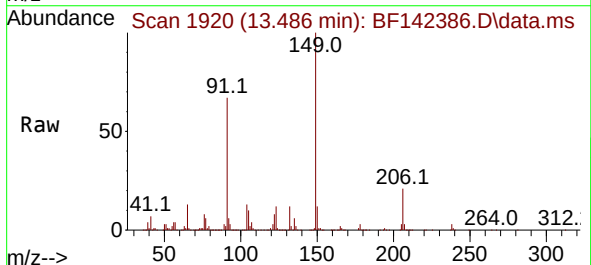
Instrument :
 BNA_F
 ClientSampleId :
 PB167951BS

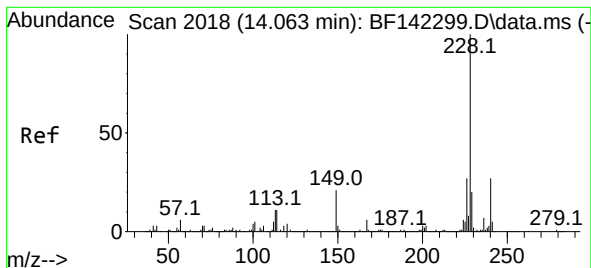
Tgt Ion:244 Resp: 1921973
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.2
 122 10.1 9.0 13.4



#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# 2017

Delta R.T. -0.006 min

Lab File: BF142386.D

Acq: 15 May 2025 11:06

Instrument :

BNA_F

ClientSampleId :

PB167951BS

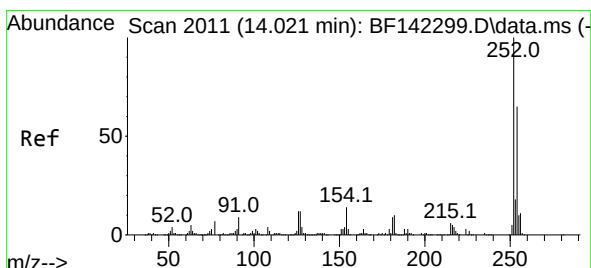
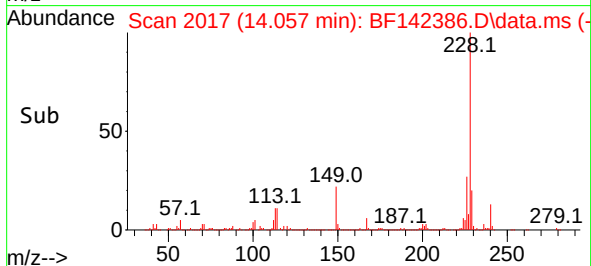
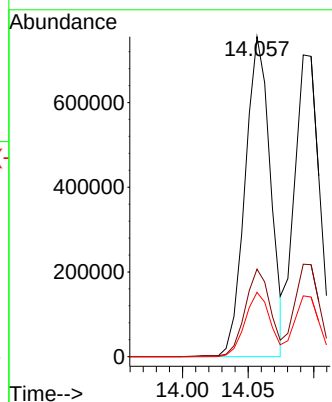
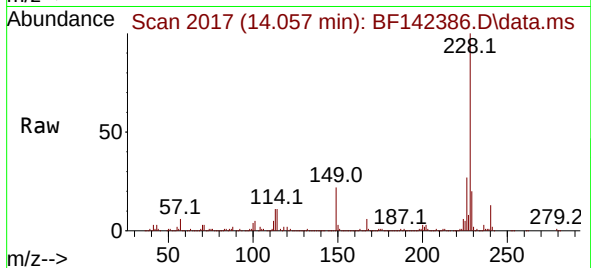
Tgt Ion:228 Resp: 1014145

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

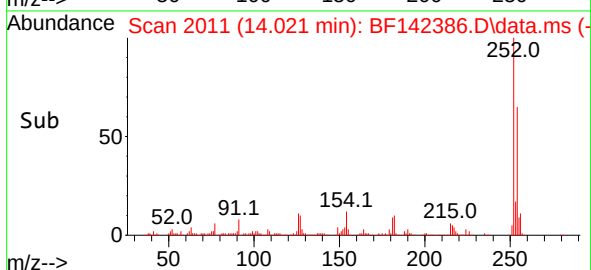
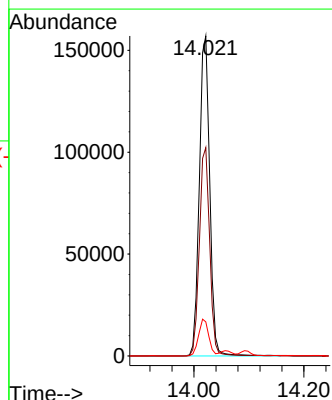
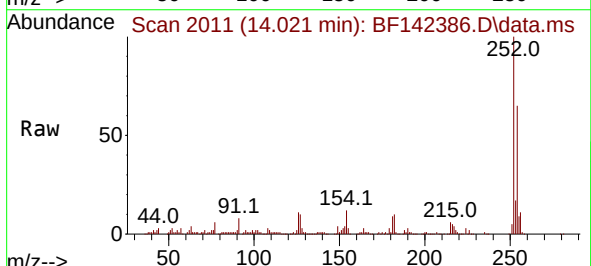
Tgt Ion:252 Resp: 206951

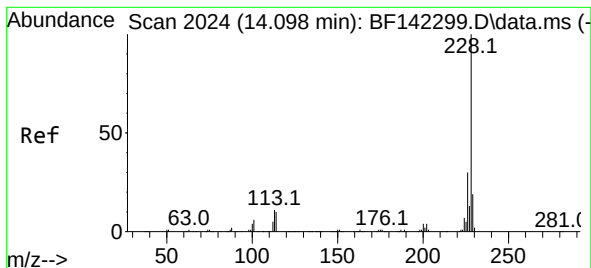
Ion Ratio Lower Upper

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# 20

Delta R.T. -0.006 min

Lab File: BF142386.D

Acq: 15 May 2025 11:06

Instrument :

BNA_F

ClientSampleId :

PB167951BS

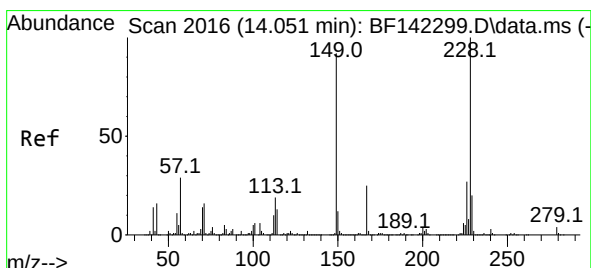
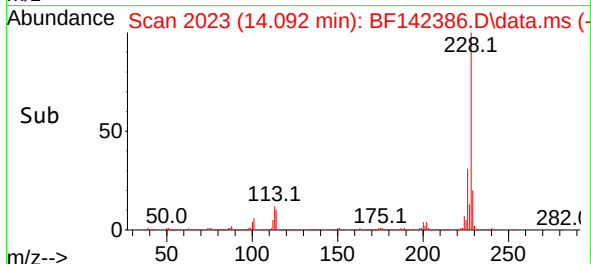
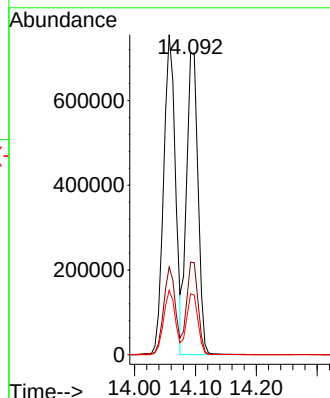
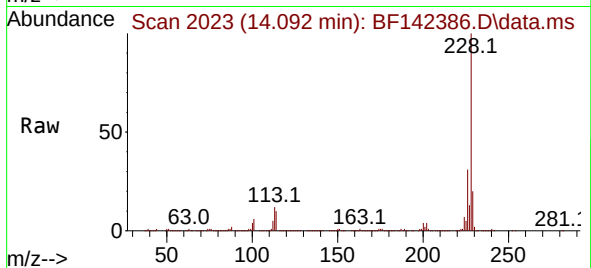
Tgt Ion:228 Resp: 939233

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

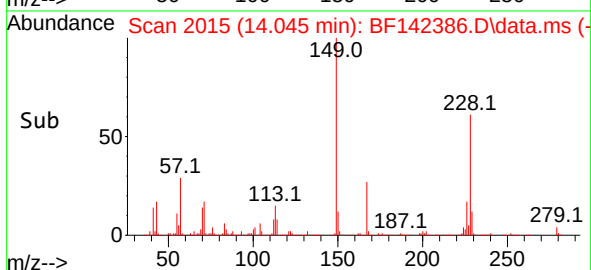
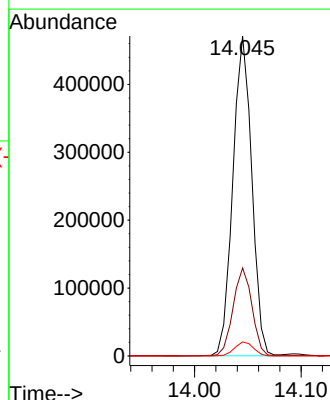
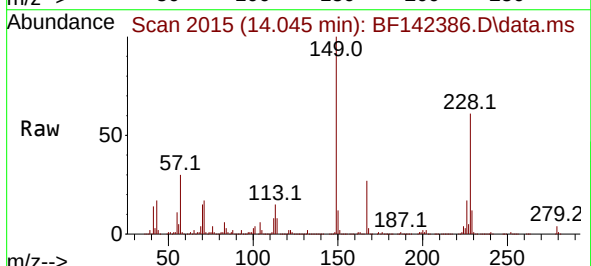
Tgt Ion:149 Resp: 581894

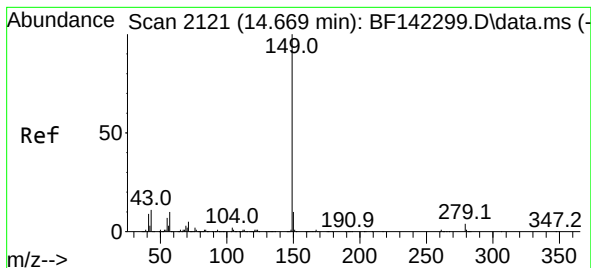
Ion Ratio Lower Upper

149 100

167 27.5 22.0 33.0

279 4.4 3.0 4.6

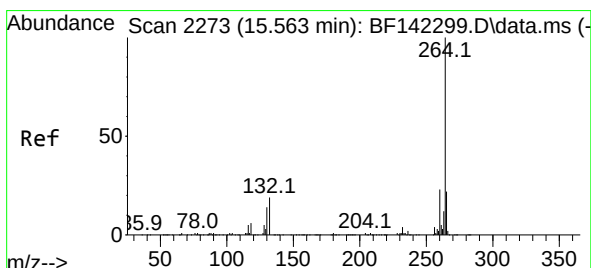
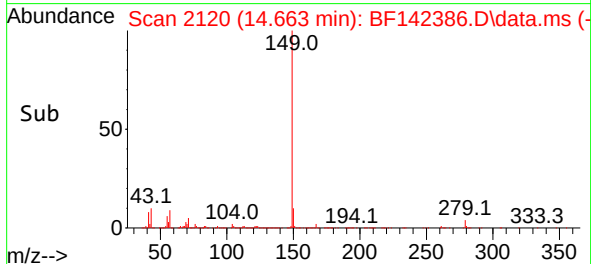
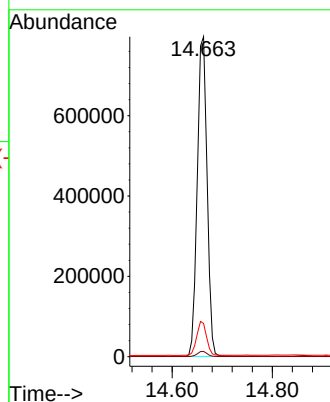
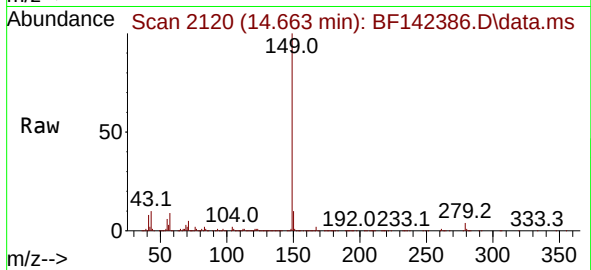




#85
Di-n-octyl phthalate
Concen: 49.196 ng
RT: 14.663 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

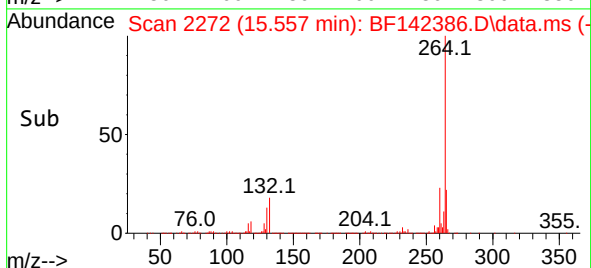
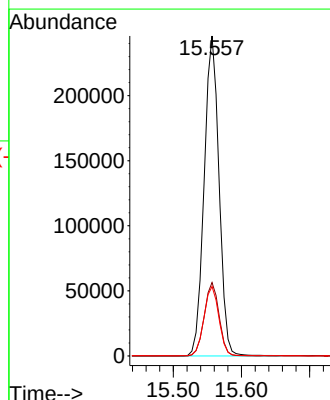
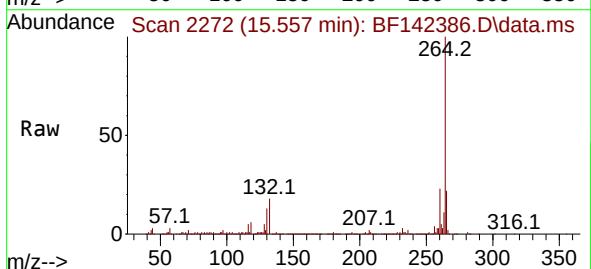
Instrument :
BNA_F
ClientSampleId :
PB167951BS

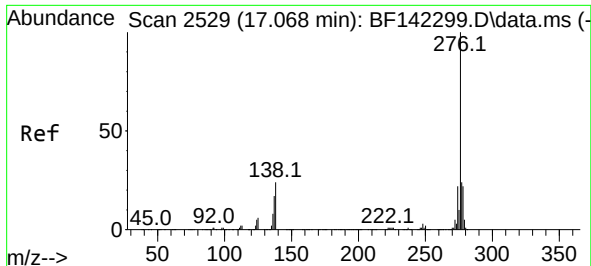
Tgt Ion:149 Resp: 1080903
Ion Ratio Lower Upper
149 100
167 1.6 1.1 1.7
43 10.5 9.2 13.8



#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

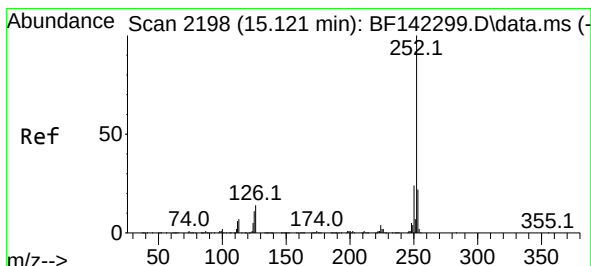
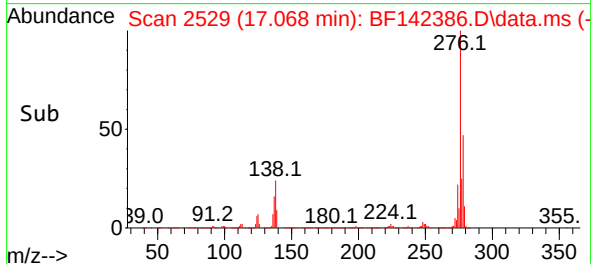
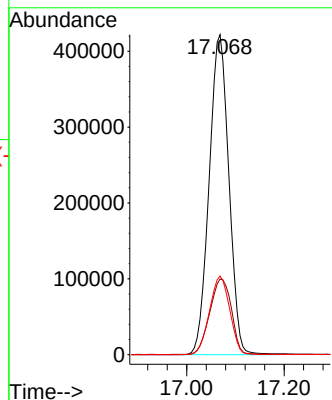
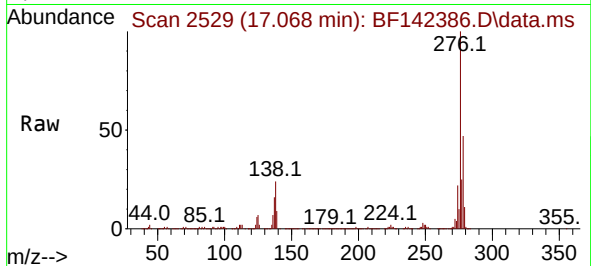




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 45.630 ng
 RT: 17.068 min Scan# 2117
 Delta R.T. -0.000 min
 Lab File: BF142386.D
 Acq: 15 May 2025 11:06

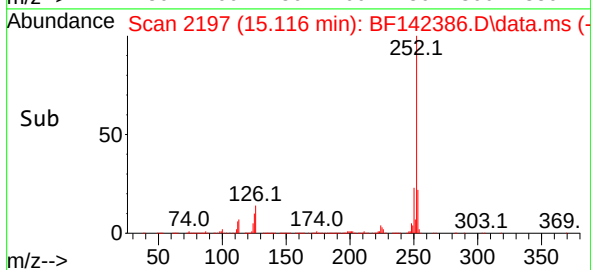
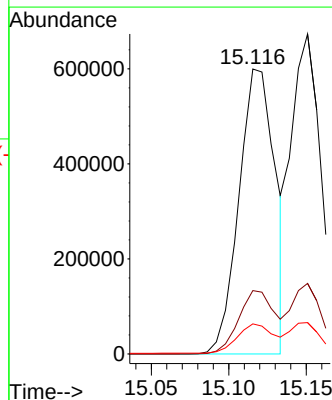
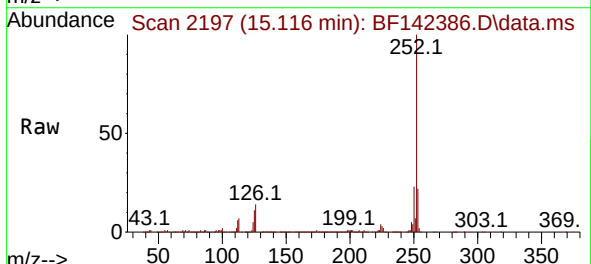
Instrument :
 BNA_F
 ClientSampleId :
 PB167951BS

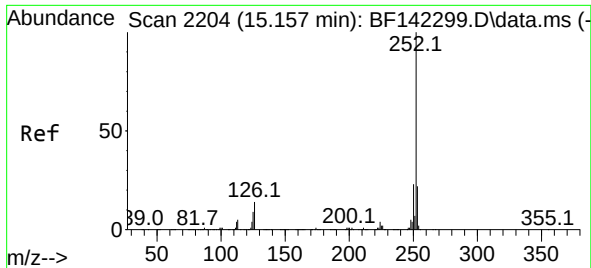
Tgt Ion:276 Resp: 1184117
 Ion Ratio Lower Upper
 276 100
 138 25.8 22.0 33.0
 277 25.4 20.1 30.1



#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

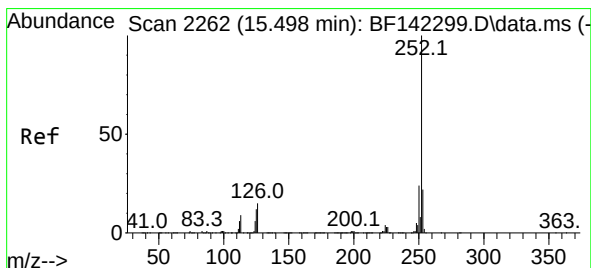
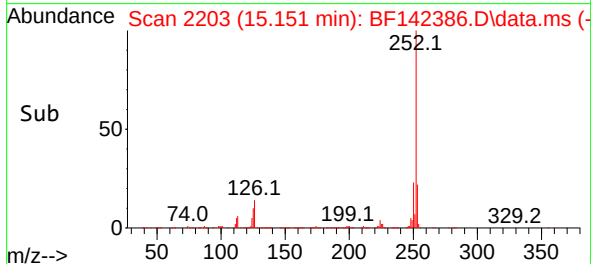
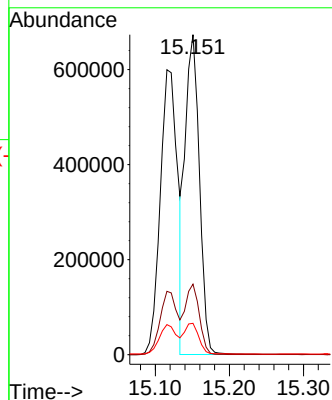
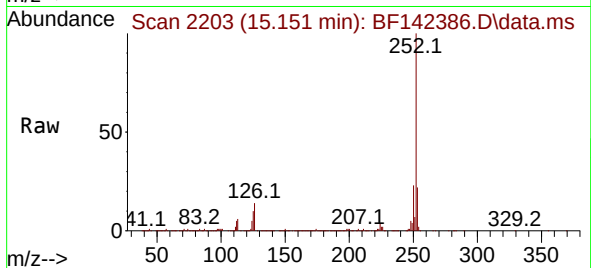




#89
Benzo(k)fluoranthene
Concen: 43.649 ng
RT: 15.151 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

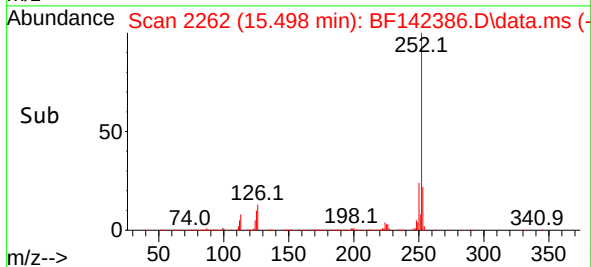
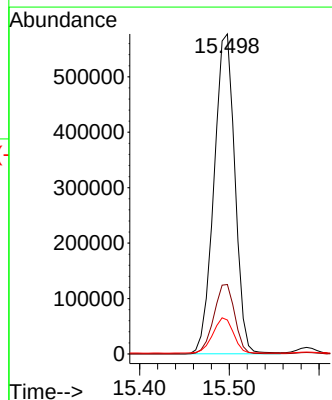
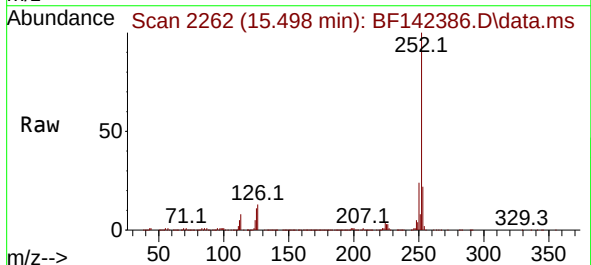
Instrument :
BNA_F
ClientSampleId :
PB167951BS

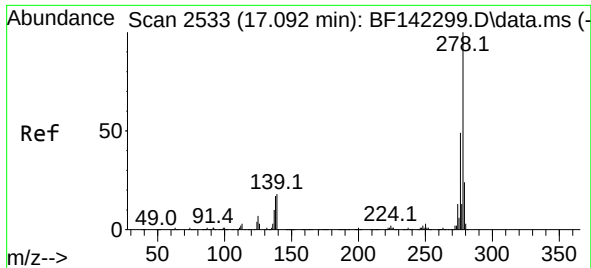
Tgt Ion:252 Resp: 902489
Ion Ratio Lower Upper
252 100
253 22.1 17.6 26.4
125 9.8 8.1 12.1



#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

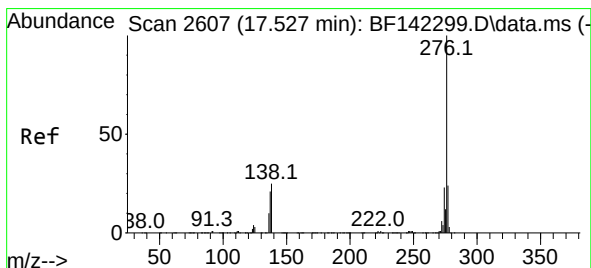
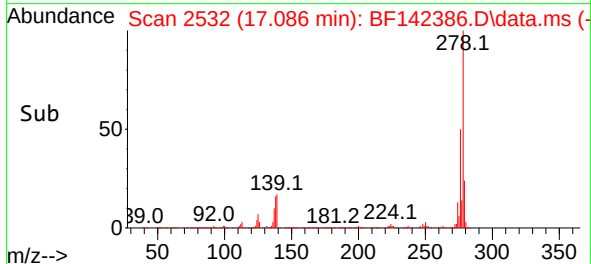
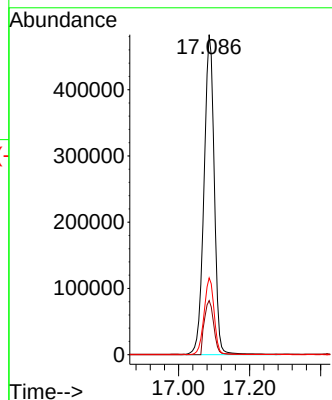
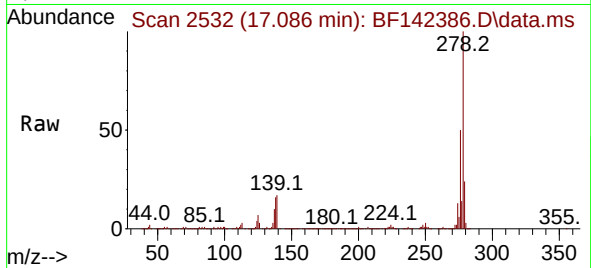




#91
Dibenzo(a,h)anthracene
Concen: 45.433 ng
RT: 17.086 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142386.D
Acq: 15 May 2025 11:06

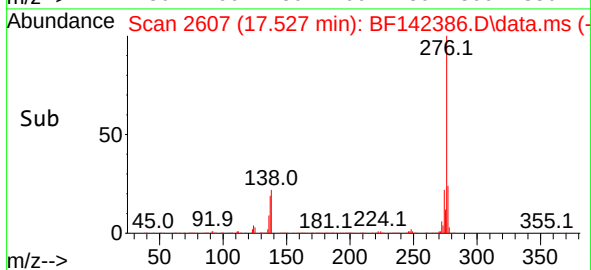
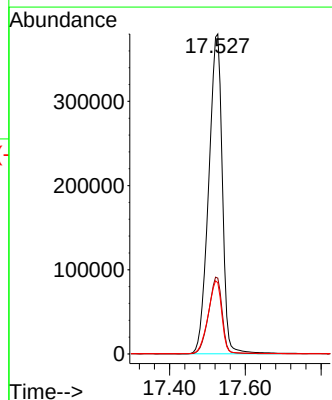
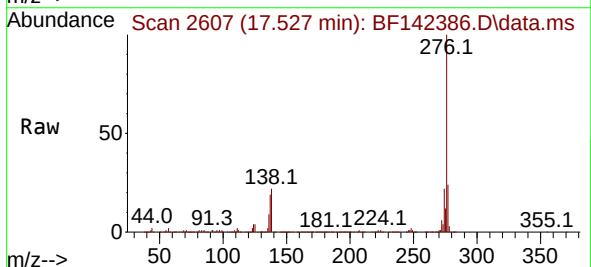
Instrument :
BNA_F
ClientSampleId :
PB167951BS

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



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

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

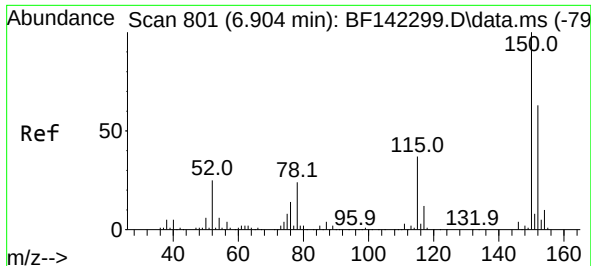
Quant Time: May 15 13:13:35 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF050525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 05 18:41:44 2025
 Response via : Initial Calibration

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

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

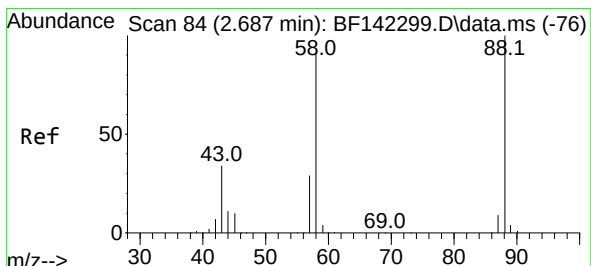
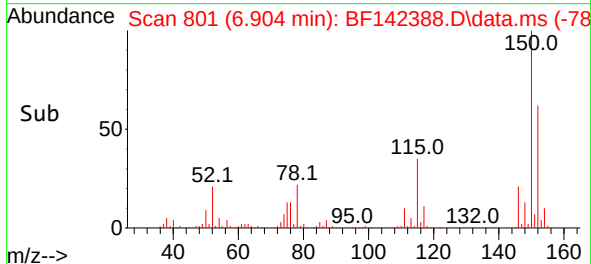
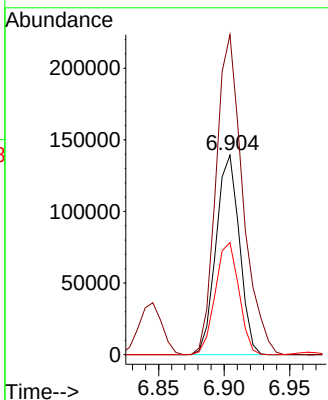
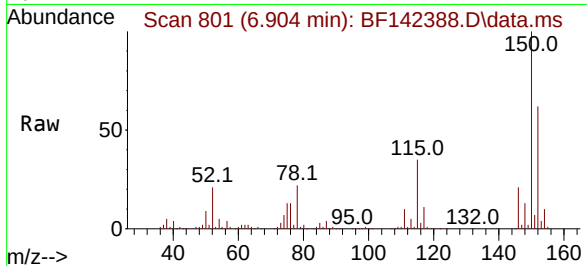




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.904 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: BF142388.D
 Acq: 15 May 2025 12:18

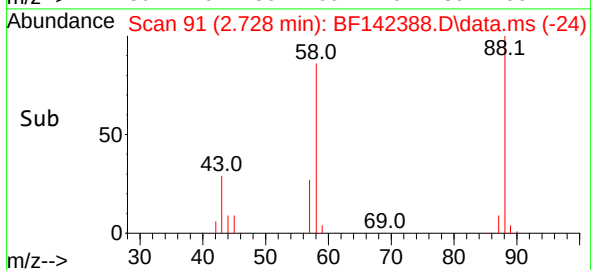
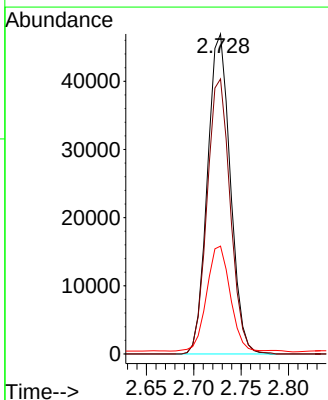
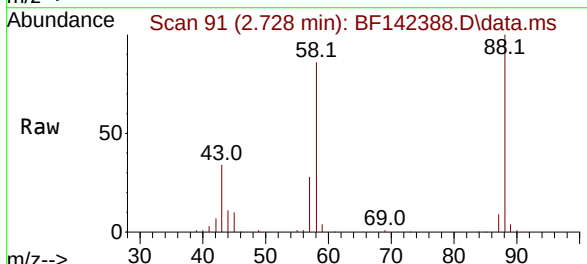
Instrument :
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 ClientSampleId :
 MW-3-20250508MS

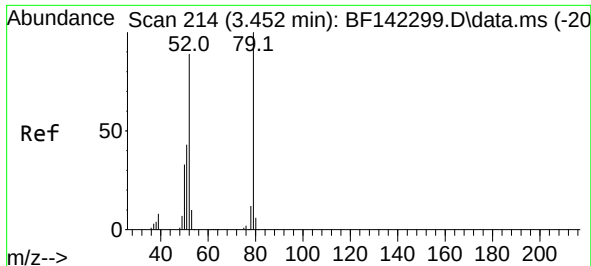
Tgt Ion:152 Resp: 172758
 Ion Ratio Lower Upper
 152 100
 150 160.4 126.6 190.0
 115 56.2 47.3 70.9



#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# 21

Delta R.T. 0.035 min

Lab File: BF142388.D

Acq: 15 May 2025 12:18

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MS

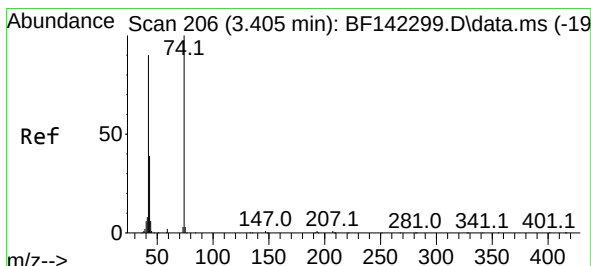
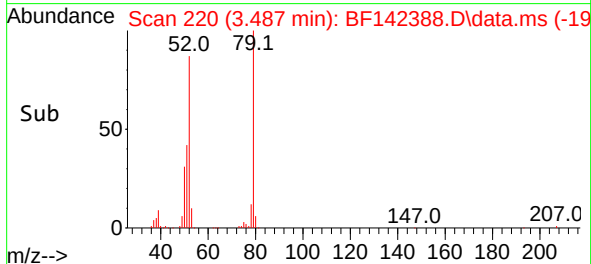
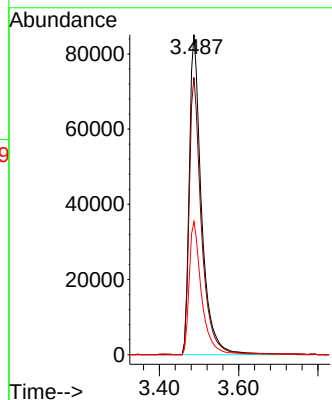
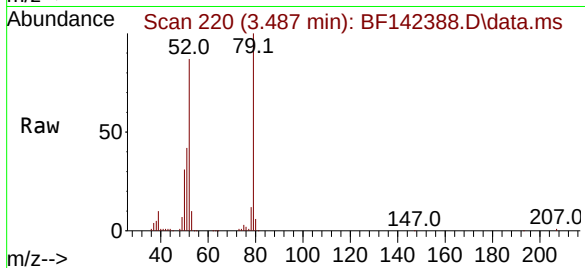
Tgt Ion: 79 Resp: 182339

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

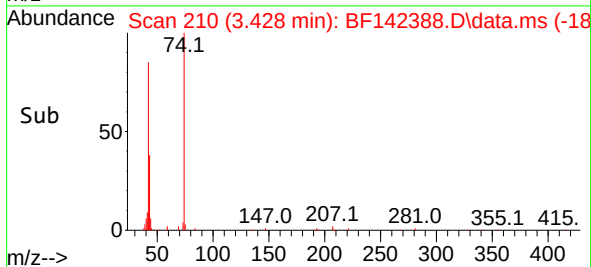
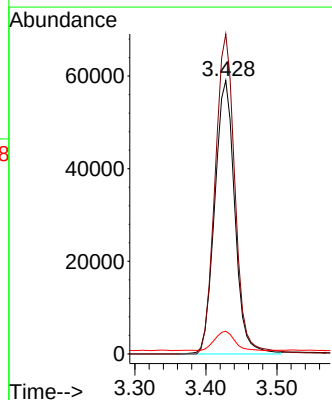
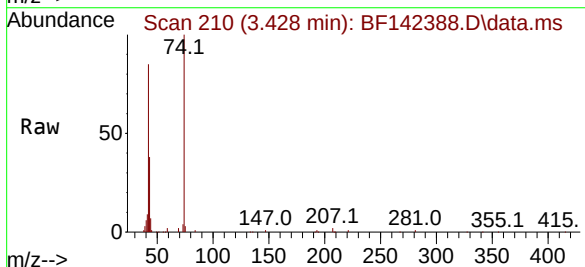
Tgt Ion: 42 Resp: 115314

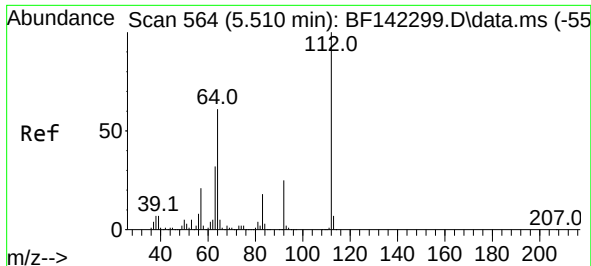
Ion Ratio Lower Upper

42 100

74 117.0 88.5 132.7

44 8.3 5.8 8.8

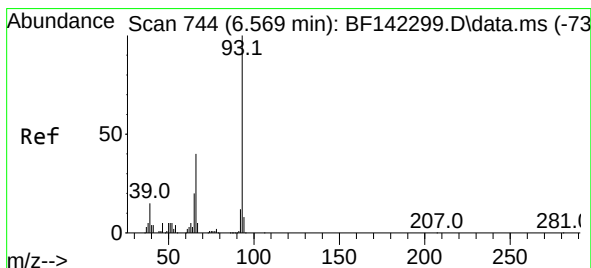
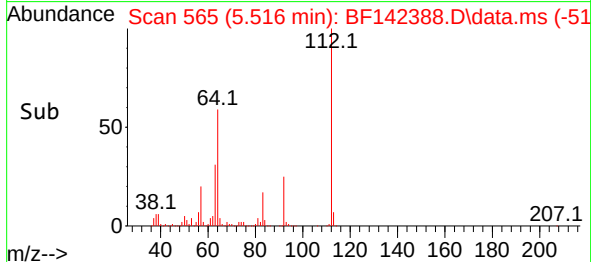
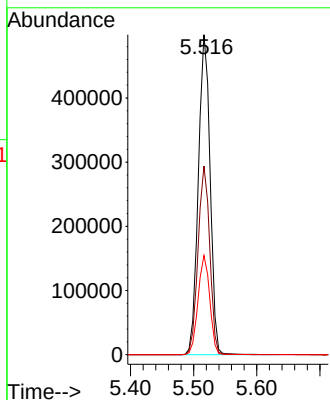
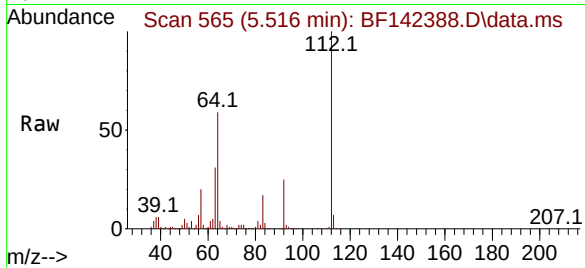




#5
2-Fluorophenol
Concen: 63.759 ng
RT: 5.516 min Scan# 50
Delta R.T. 0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

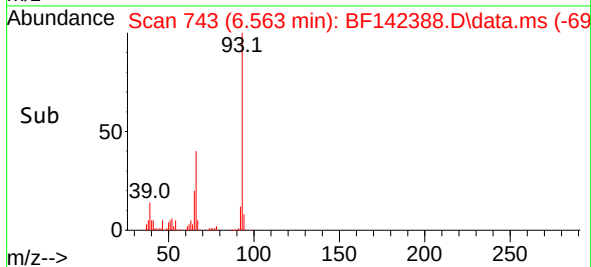
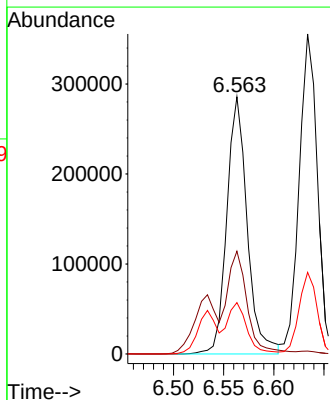
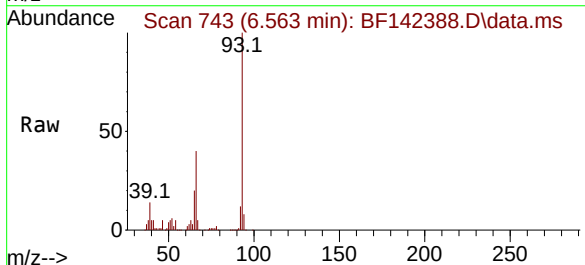
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

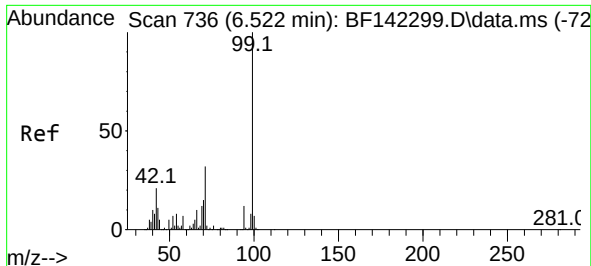
Tgt Ion:112 Resp: 645246
Ion Ratio Lower Upper
112 100
64 58.9 48.9 73.3
63 31.0 25.6 38.4



#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# 71

Delta R.T. 0.000 min

Lab File: BF142388.D

Acq: 15 May 2025 12:18

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MS

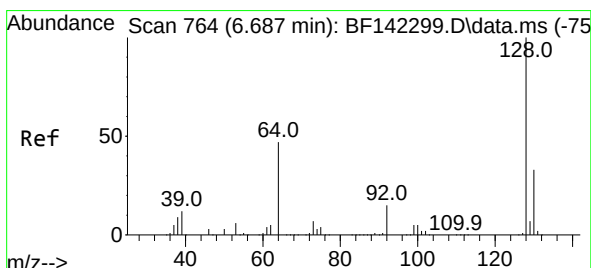
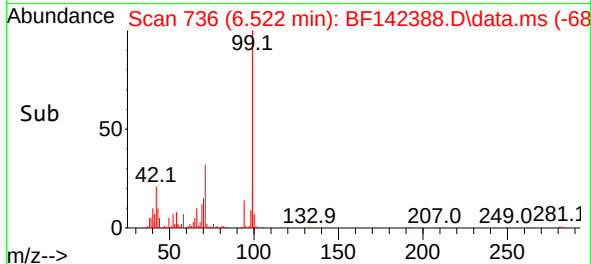
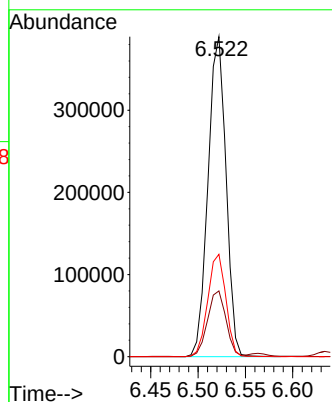
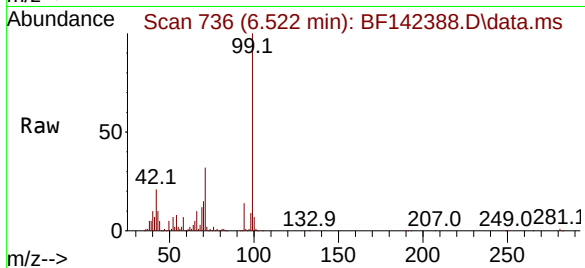
Tgt Ion: 99 Resp: 513718

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

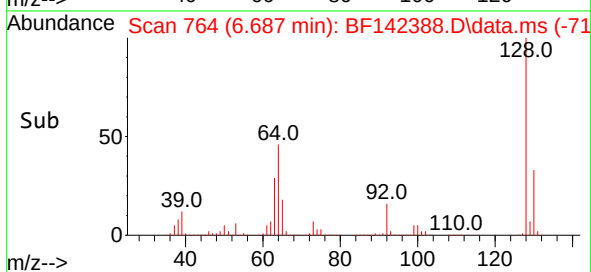
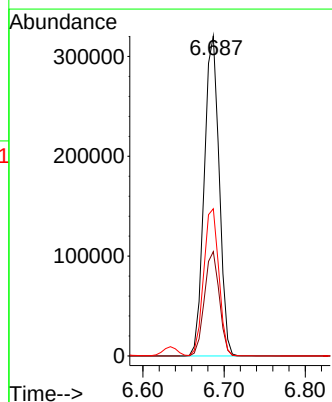
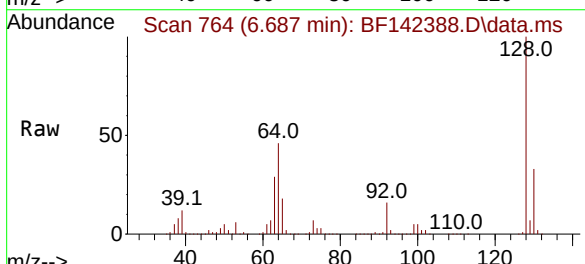
Tgt Ion: 128 Resp: 409681

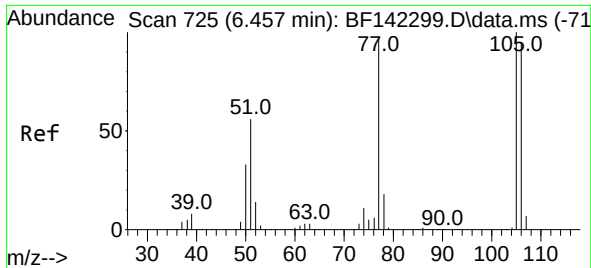
Ion Ratio Lower Upper

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# 71

Delta R.T. -0.006 min

Lab File: BF142388.D

Acq: 15 May 2025 12:18

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MS

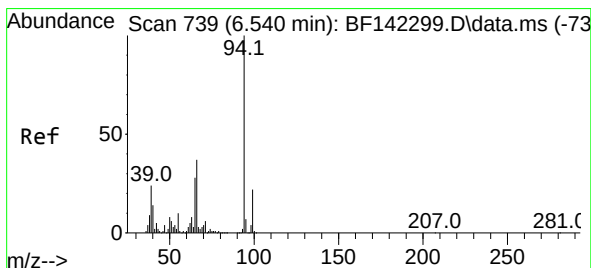
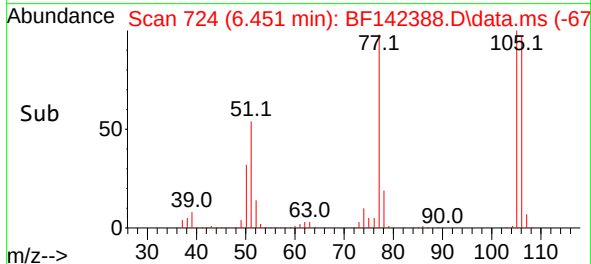
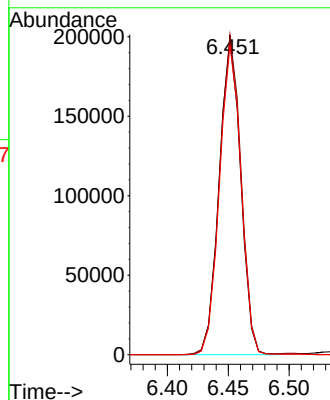
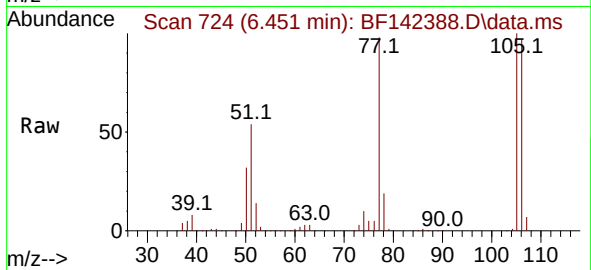
Tgt Ion: 77 Resp: 243231

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

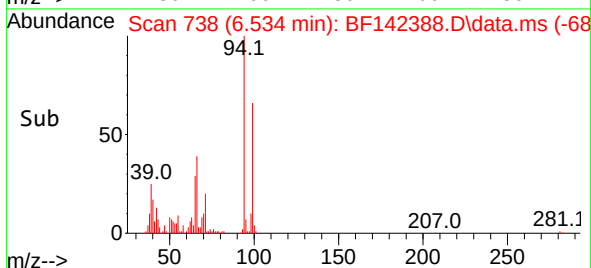
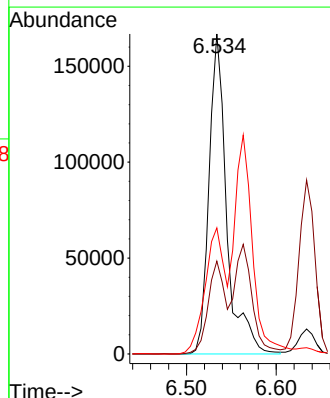
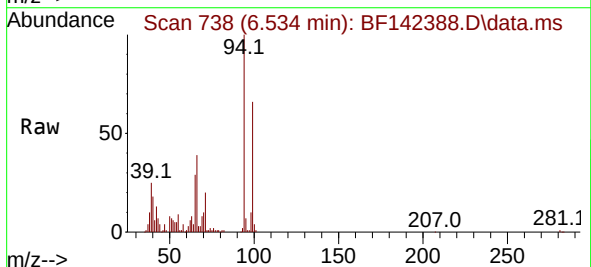
Tgt Ion: 94 Resp: 228634

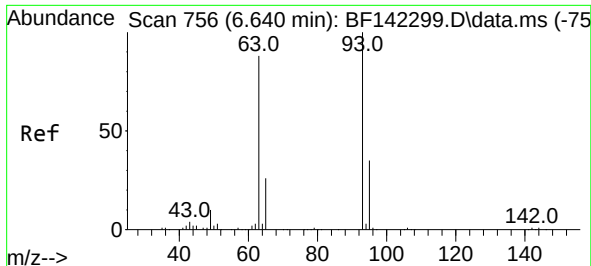
Ion Ratio Lower Upper

94 100

65 29.0 8.5 48.5

66 39.4 17.3 57.3

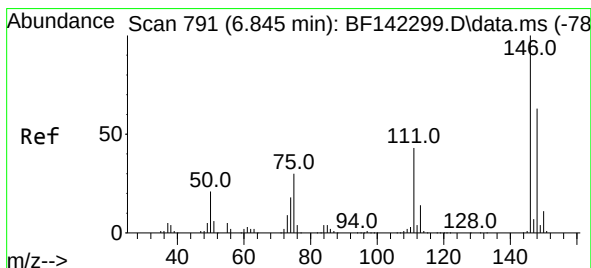
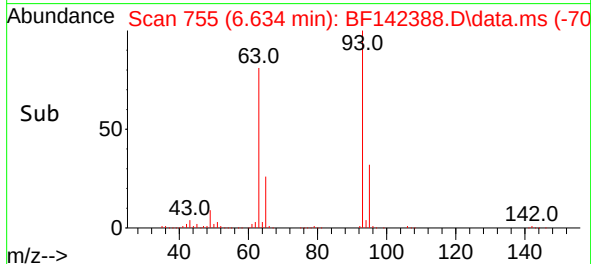
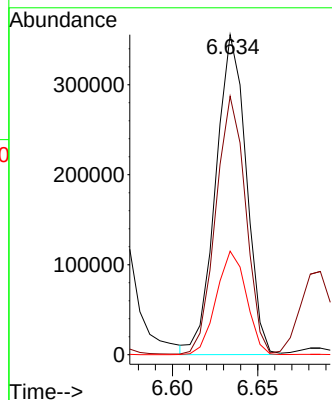
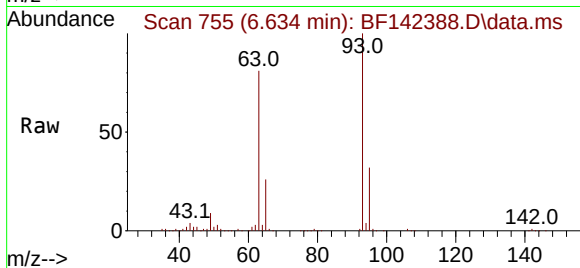




#11
bis(2-Chloroethyl)ether
Concen: 34.066 ng
RT: 6.634 min Scan# 756
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

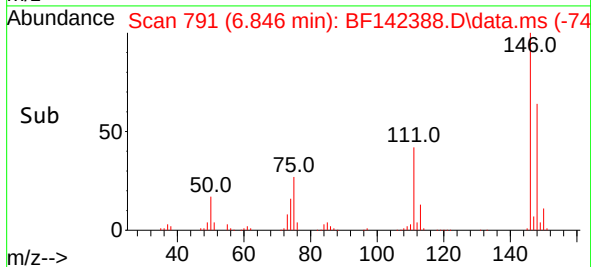
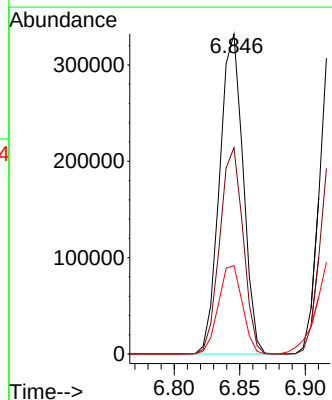
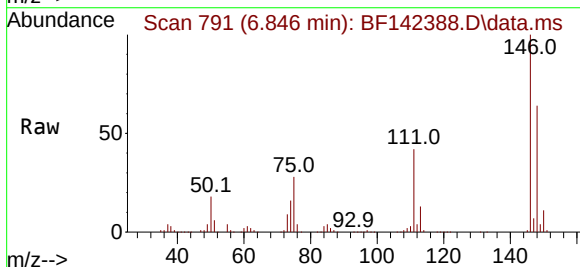
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

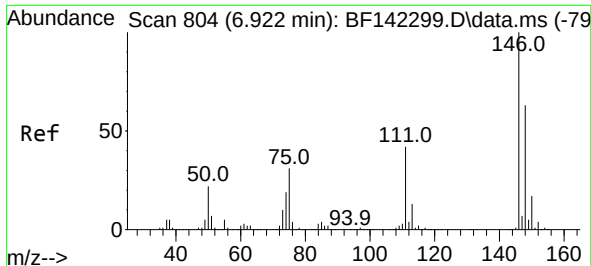
Tgt Ion:	93	Resp:	443232
Ion	Ratio	Lower	Upper
93	100		
63	80.7	58.4	98.4
95	32.4	10.6	50.6



#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# 804

Delta R.T. 0.000 min

Lab File: BF142388.D

Acq: 15 May 2025 12:18

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MS

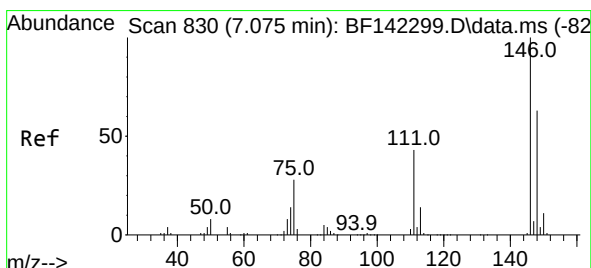
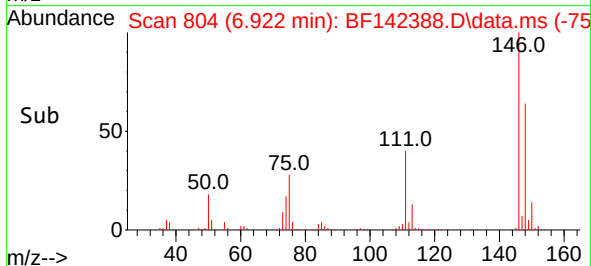
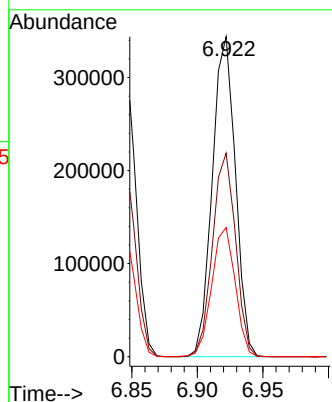
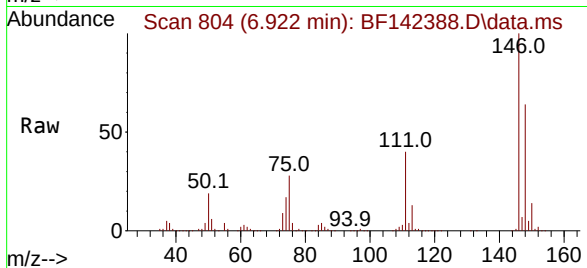
Tgt Ion:146 Resp: 422266

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

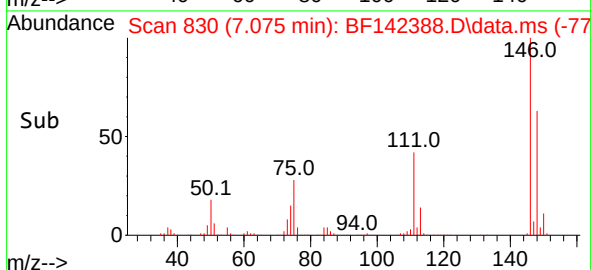
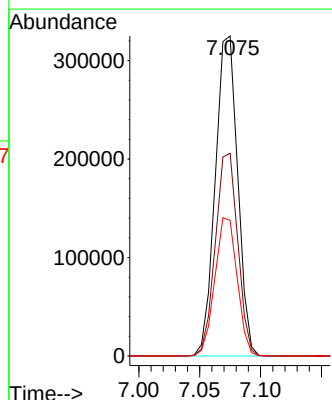
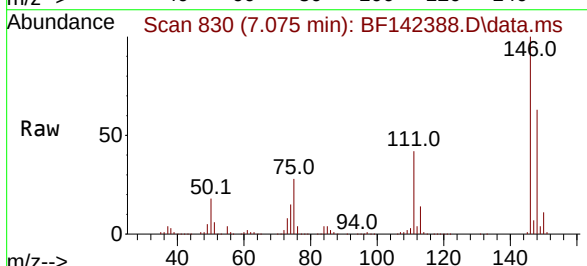
Tgt Ion:146 Resp: 416285

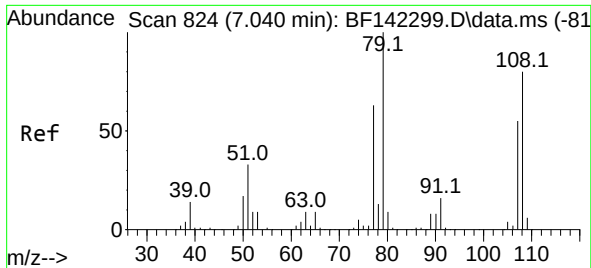
Ion Ratio Lower Upper

146 100

148 63.3 50.3 75.5

111 42.3 34.5 51.7

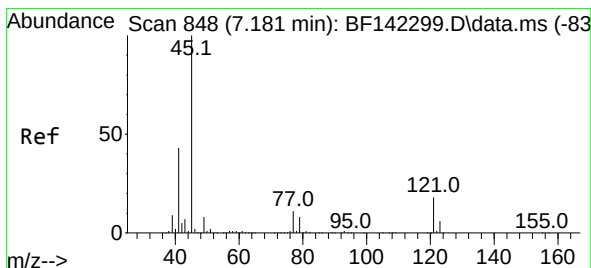
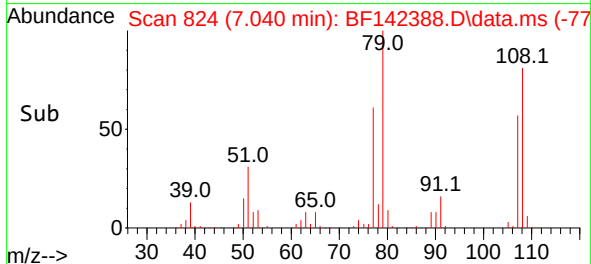
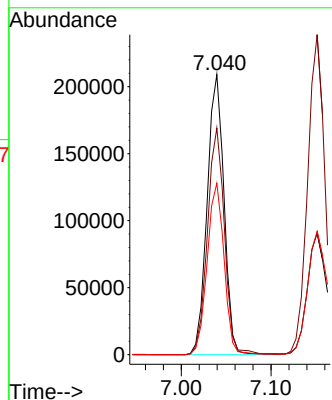
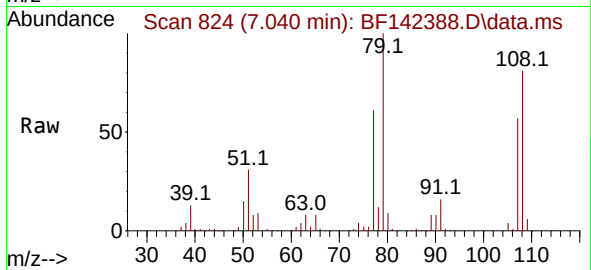




#15
Benzyl Alcohol
Concen: 33.840 ng
RT: 7.040 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

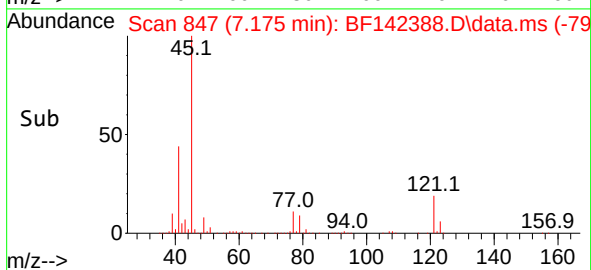
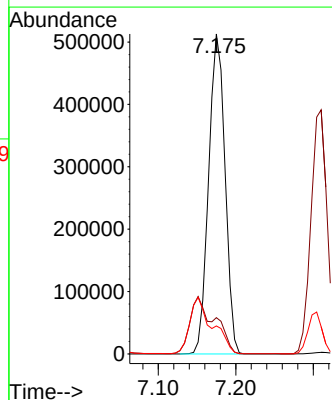
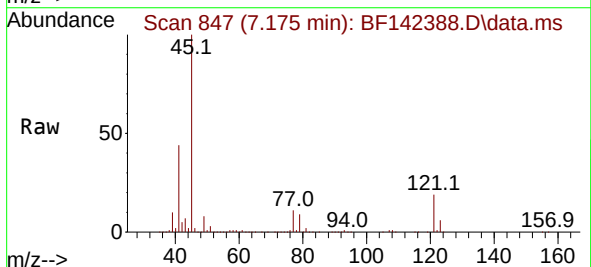
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

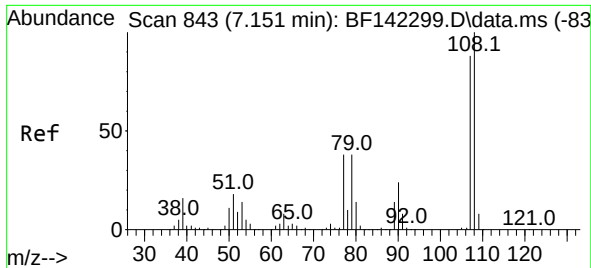
Tgt Ion: 79 Resp: 272744
Ion Ratio Lower Upper
79 100
108 81.0 63.9 95.9
77 61.2 50.7 76.1



#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

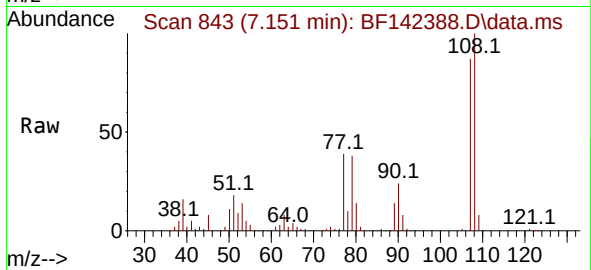
Tgt Ion: 45 Resp: 753579
Ion Ratio Lower Upper
45 100
77 11.3 0.0 31.2
79 8.8 0.0 28.5



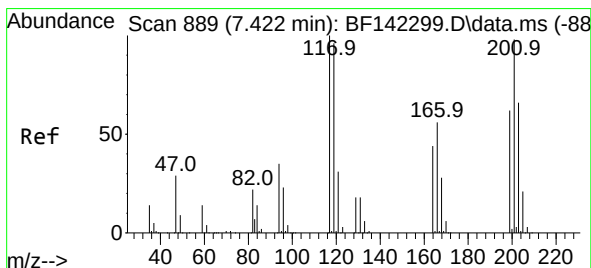
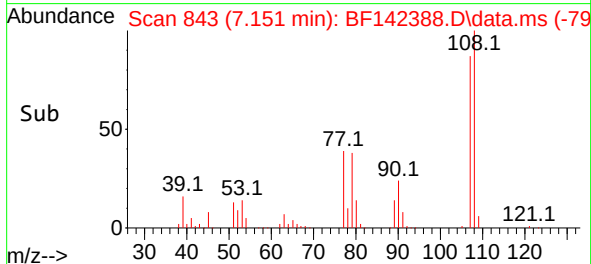
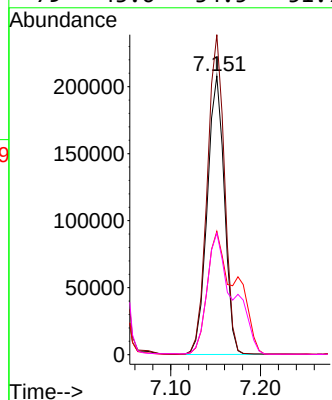


#17
2-Methylphenol
Concen: 31.577 ng
RT: 7.151 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

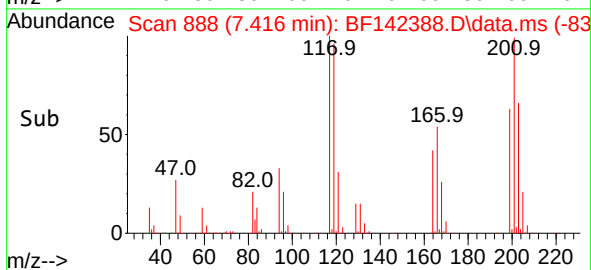
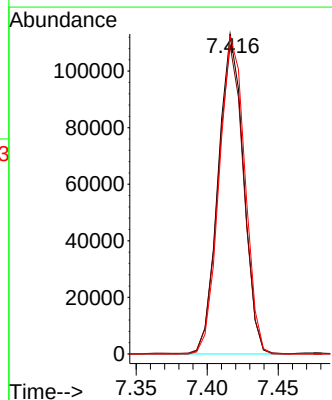
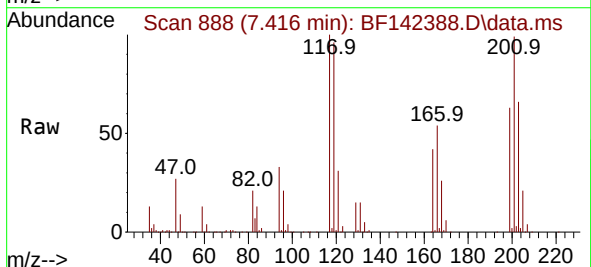


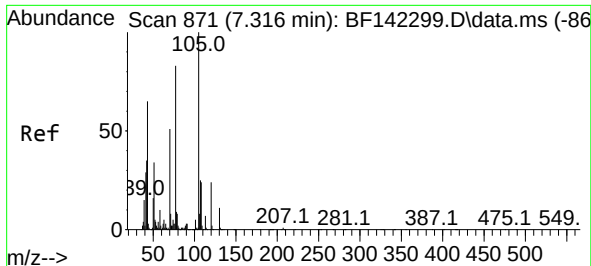
Tgt Ion:	107	Resp:	276466
Ion	Ratio	Lower	Upper
107	100		
108	114.8	91.1	136.7
77	44.2	34.7	52.1
79	43.6	34.5	51.7



#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



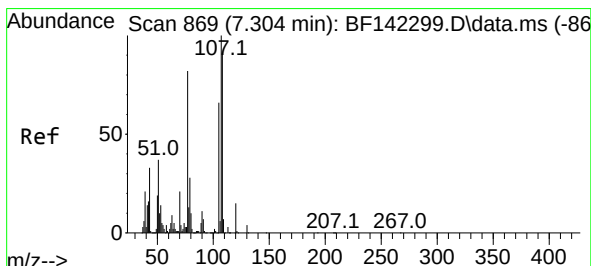
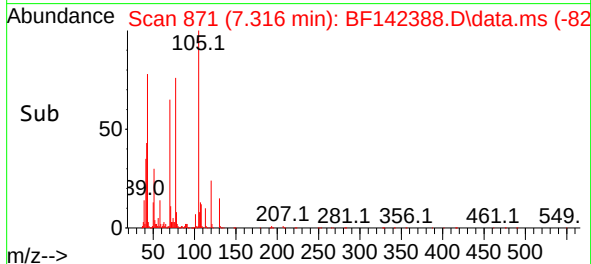
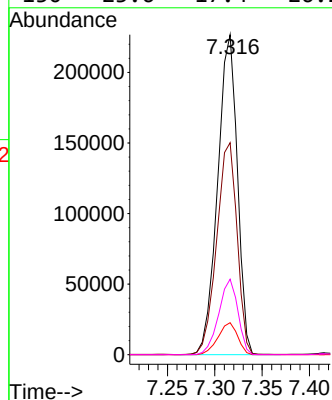
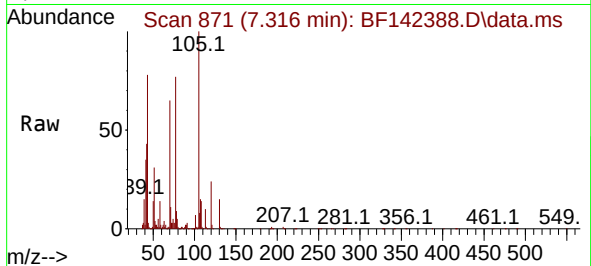


#19
n-Nitroso-di-n-propylamine
Concen: 42.745 ng
RT: 7.316 min Scan# 871
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion: 70 Resp: 329104

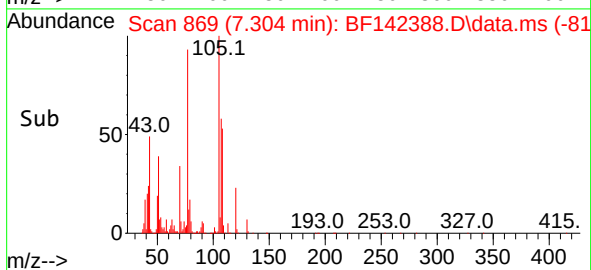
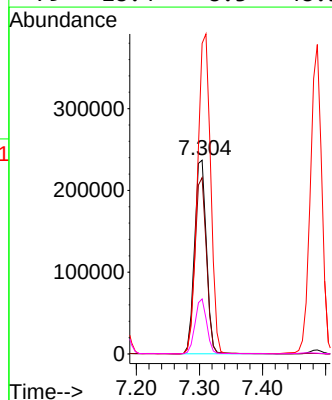
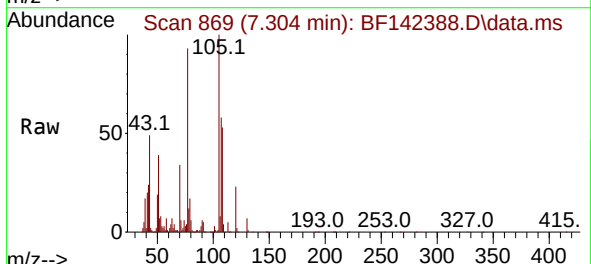
Ion	Ratio	Lower	Upper
70	100		
42	66.3	54.8	82.2
101	10.0	7.7	11.5
130	23.6	17.4	26.2

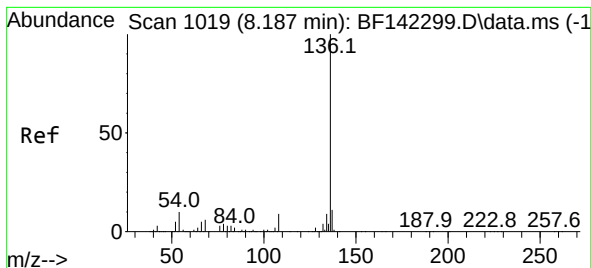


#20
3+4-Methylphenols
Concen: 28.383 ng
RT: 7.304 min Scan# 869
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

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# 1019

Delta R.T. 0.000 min

Lab File: BF142388.D

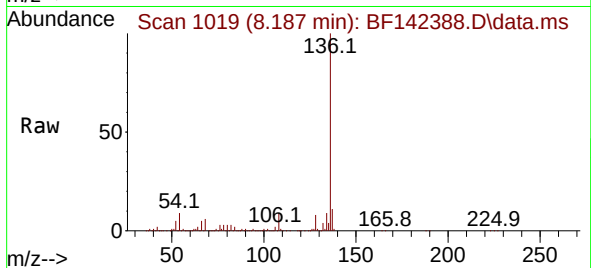
Acq: 15 May 2025 12:18

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MS



Tgt Ion:136 Resp: 661579

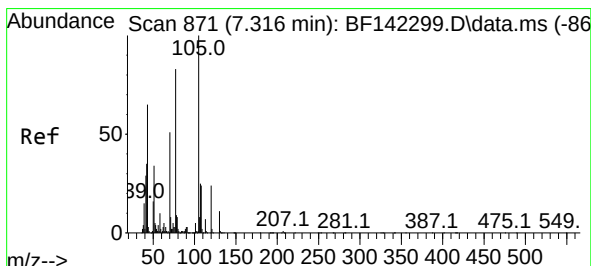
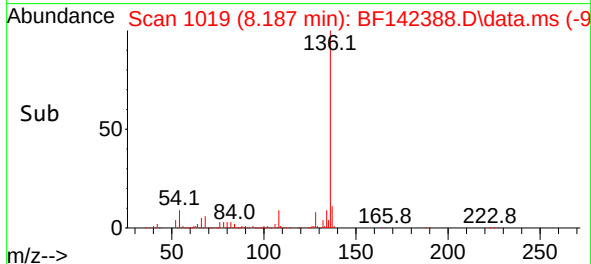
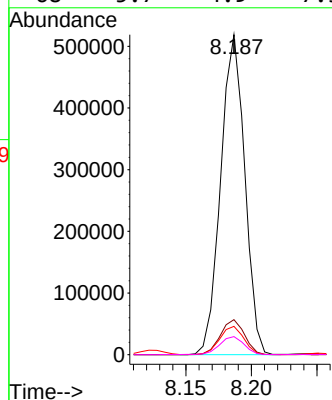
Ion Ratio Lower Upper

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

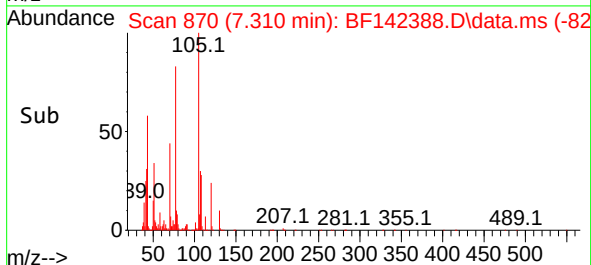
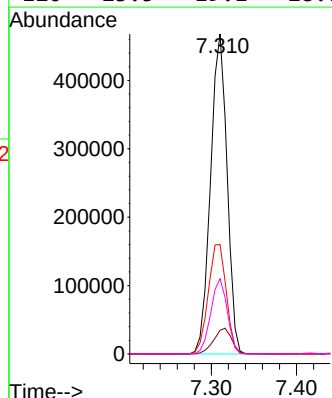
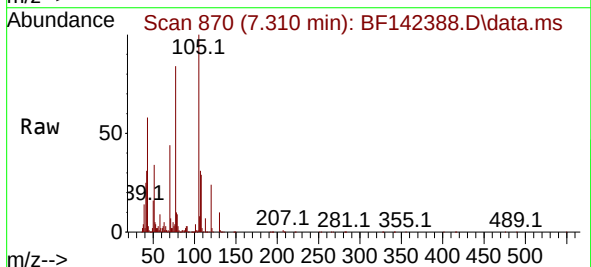
Ion Ratio Lower Upper

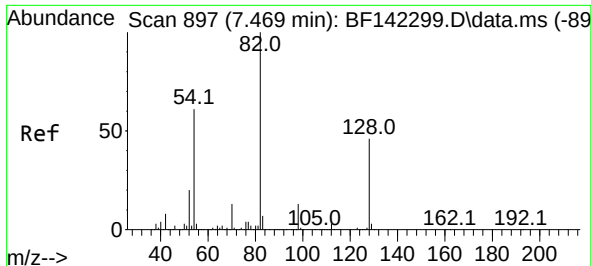
105 100

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# 897

Delta R.T. 0.000 min

Lab File: BF142388.D

Acq: 15 May 2025 12:18

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MS

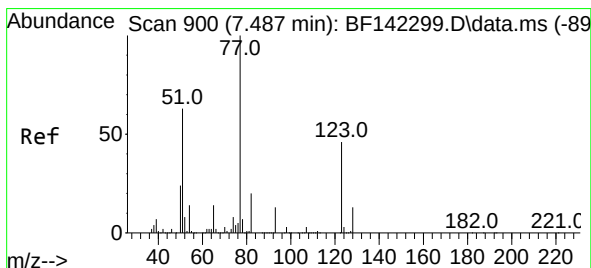
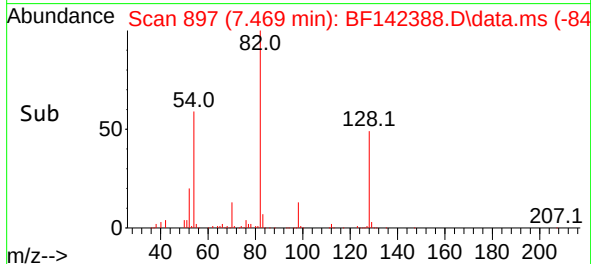
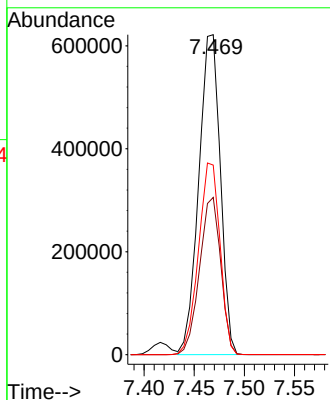
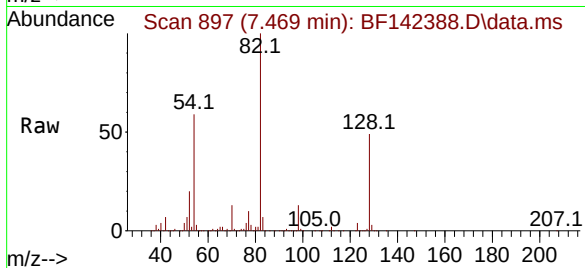
Tgt Ion: 82 Resp: 932224

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

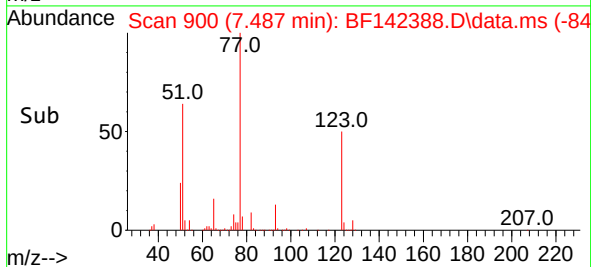
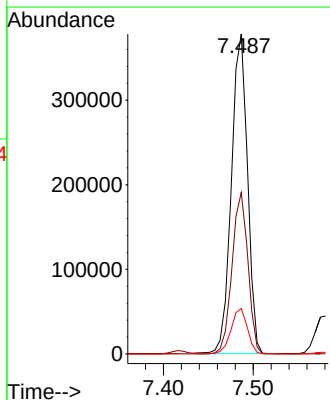
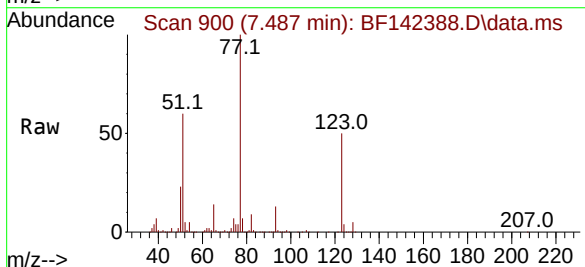
Tgt Ion: 77 Resp: 471629

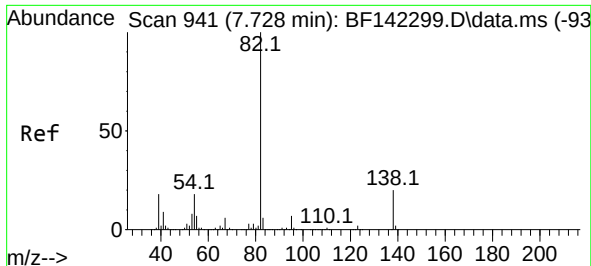
Ion Ratio Lower Upper

77 100

123 50.4 37.8 56.8

65 14.2 11.4 17.0

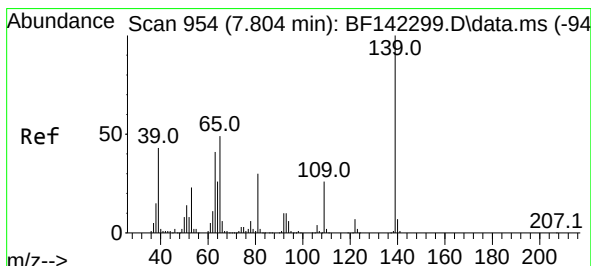
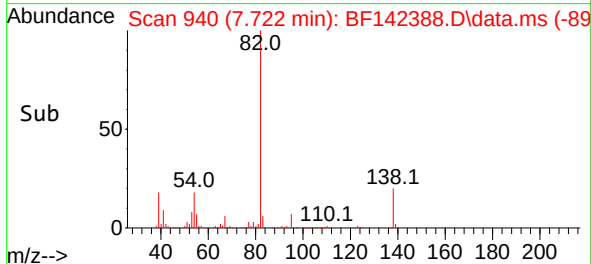
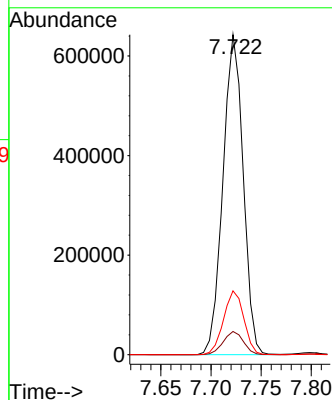
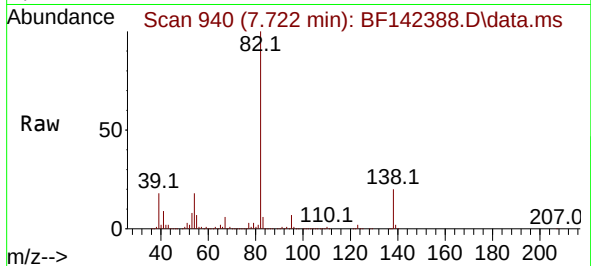




#25
Isophorone
Concen: 43.939 ng
RT: 7.722 min Scan# 941
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

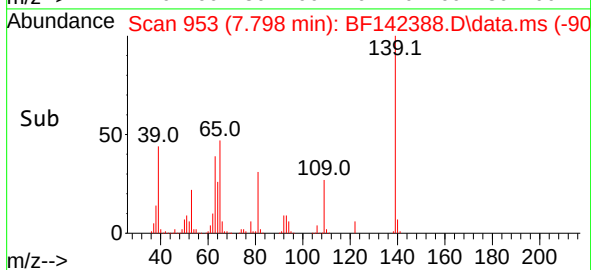
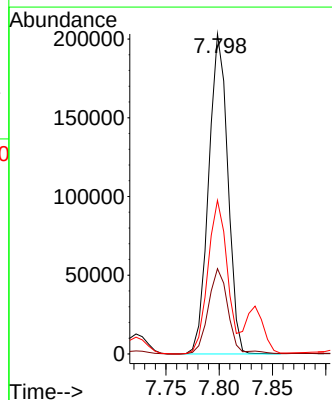
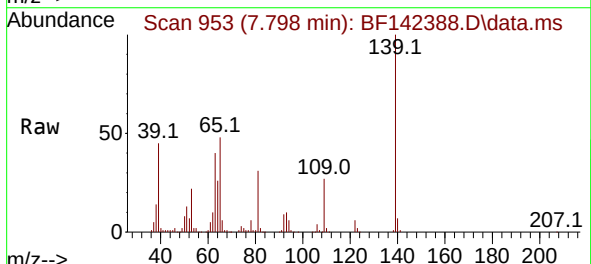
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

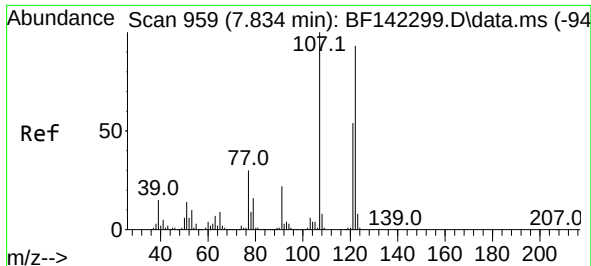
Tgt Ion: 82 Resp: 902585
Ion Ratio Lower Upper
82 100
95 7.3 5.8 8.8
138 20.0 16.1 24.1



#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# 91

Delta R.T. 0.000 min

Lab File: BF142388.D

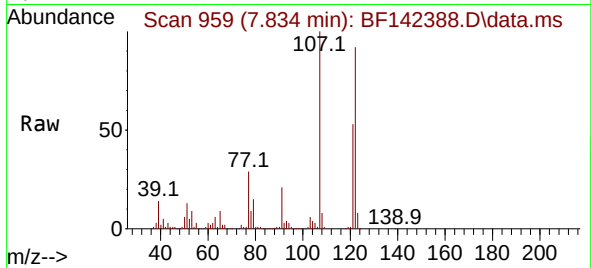
Acq: 15 May 2025 12:18

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MS



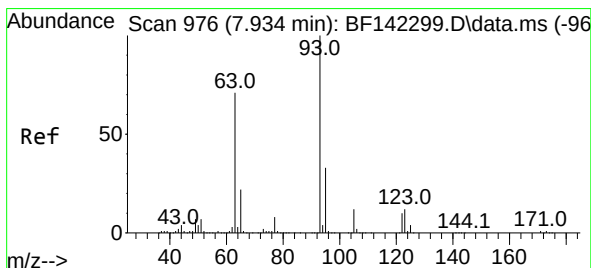
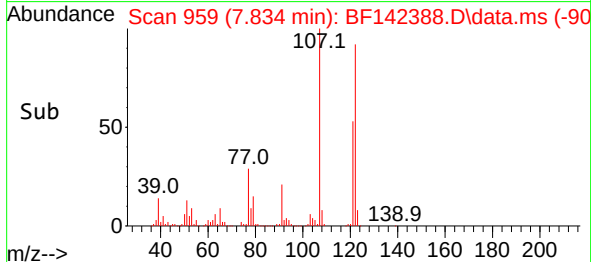
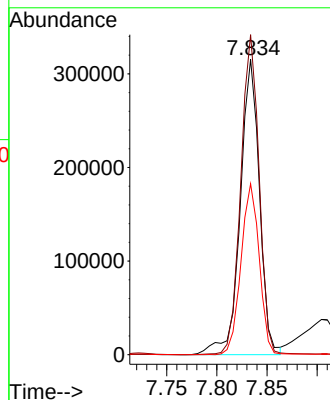
Tgt Ion:122 Resp: 422391

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

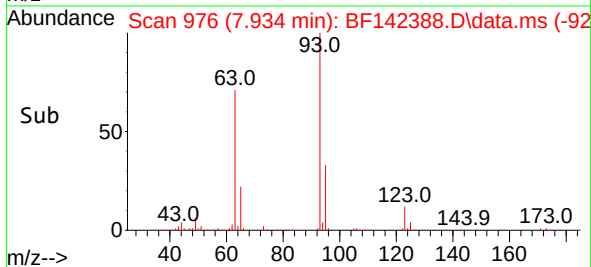
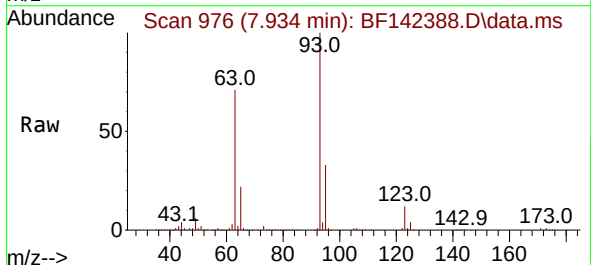
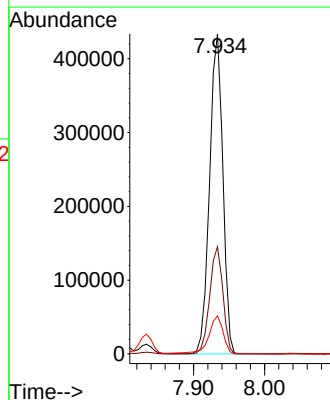
Tgt Ion: 93 Resp: 563392

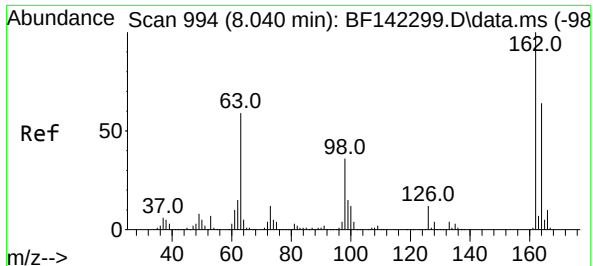
Ion Ratio Lower Upper

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# 994

Delta R.T. 0.000 min

Lab File: BF142388.D

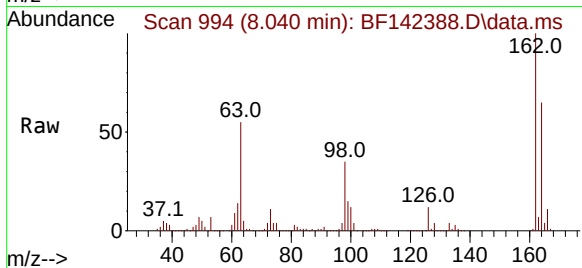
Acq: 15 May 2025 12:18

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MS



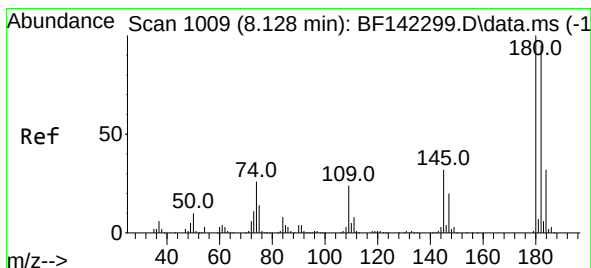
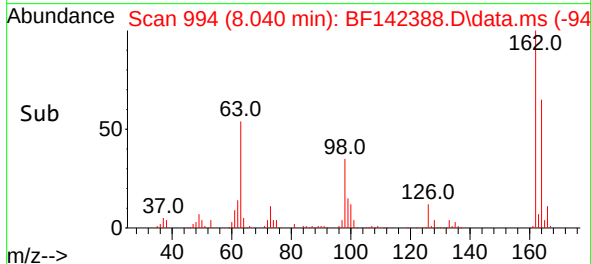
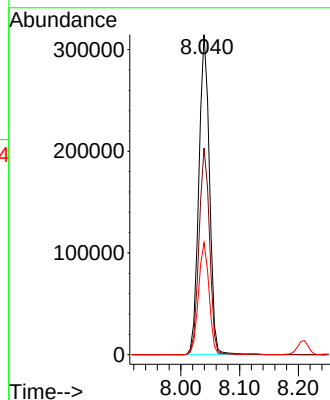
Tgt Ion:162 Resp: 394568

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

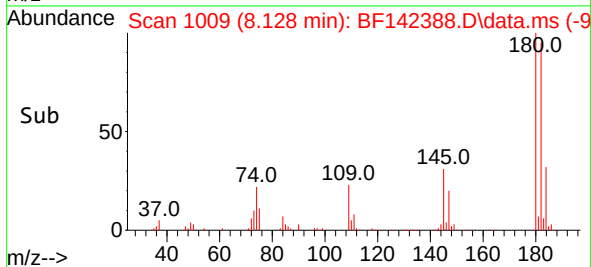
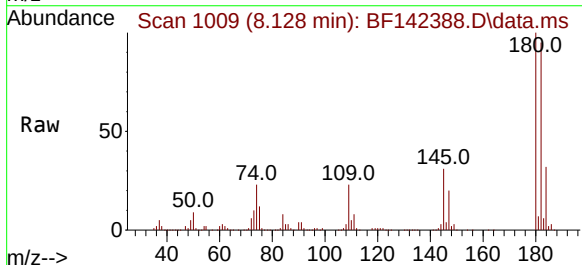
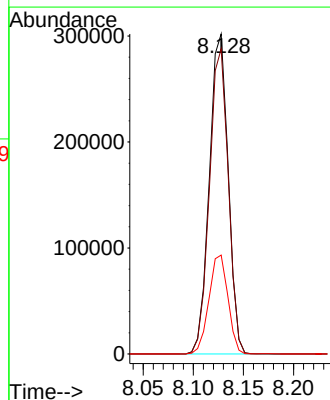
Tgt Ion:180 Resp: 395832

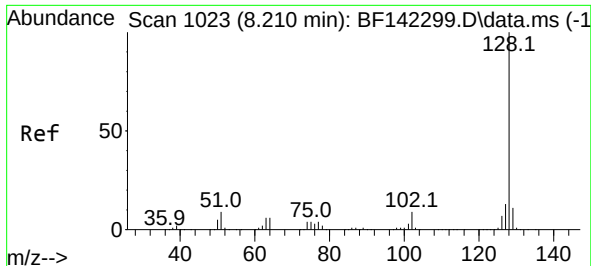
Ion Ratio Lower Upper

180 100

182 95.3 76.2 114.4

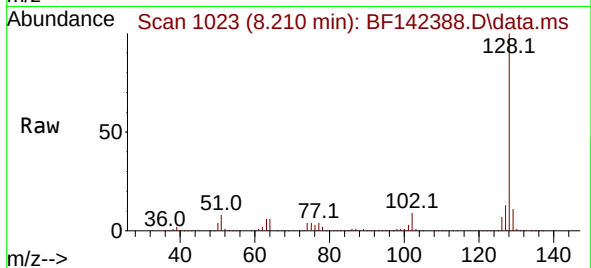
145 30.9 25.8 38.6



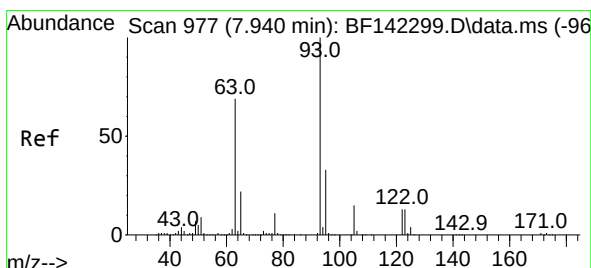
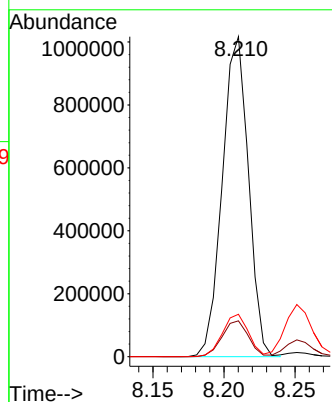
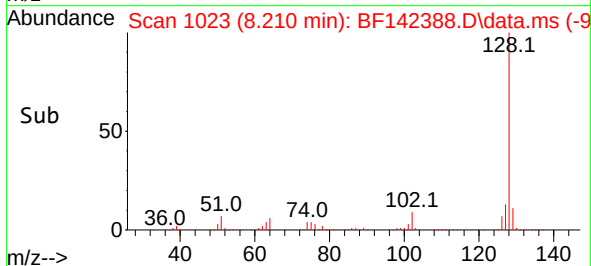


#31
Naphthalene
Concen: 40.636 ng
RT: 8.210 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

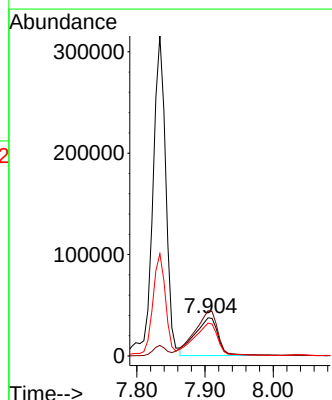
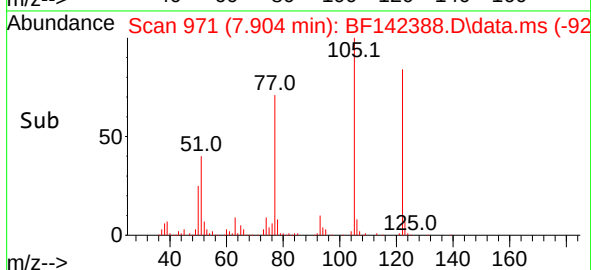
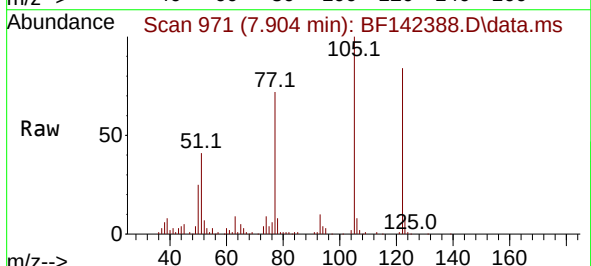


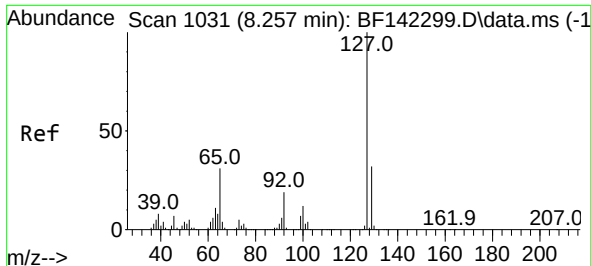
Tgt Ion:128 Resp: 1302962
Ion Ratio Lower Upper
128 100
129 11.2 9.1 13.7
127 13.3 10.5 15.7



#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

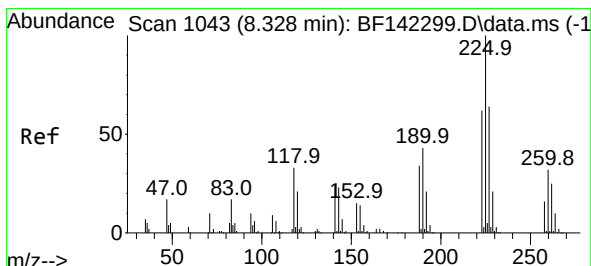
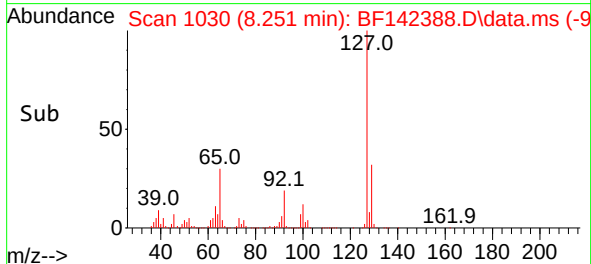
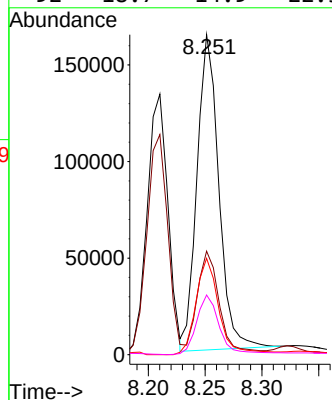
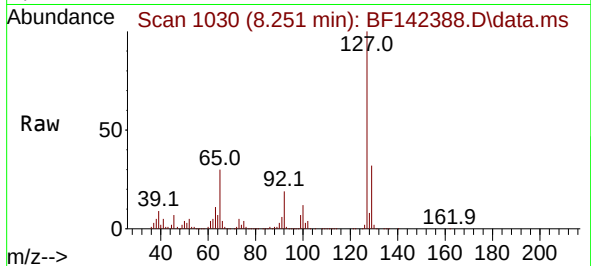




#33
4-Chloroaniline
Concen: 16.649 ng
RT: 8.251 min Scan# 1030
Delta R.T. -0.016 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

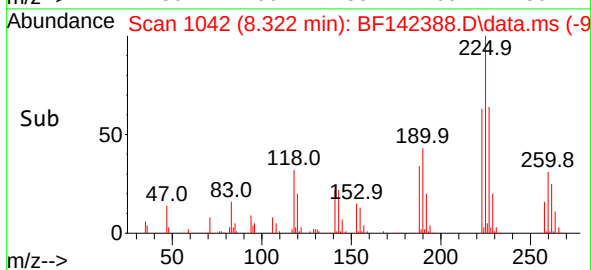
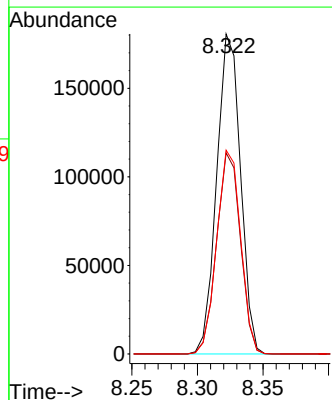
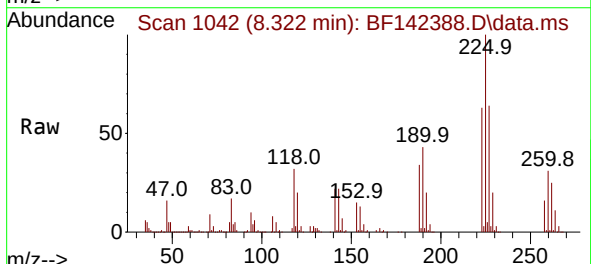
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

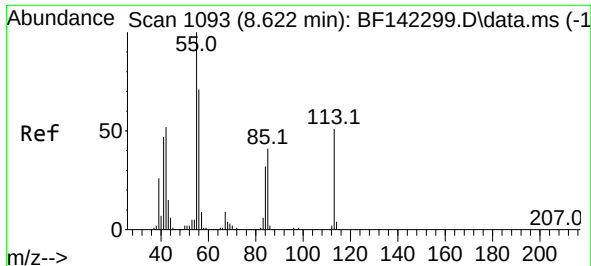
Tgt Ion:127	Resp:	217827	
Ion	Ratio	Lower	Upper
127	100		
129	32.4	25.7	38.5
65	30.1	24.9	37.3
92	18.7	14.9	22.3



#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

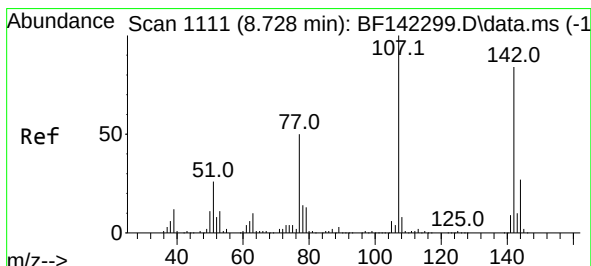
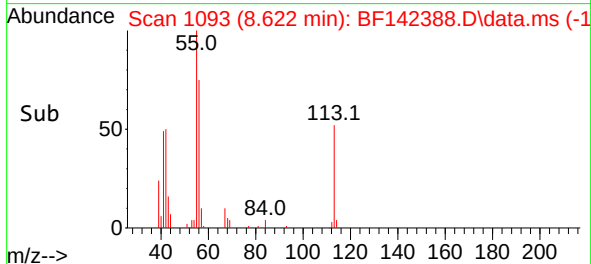
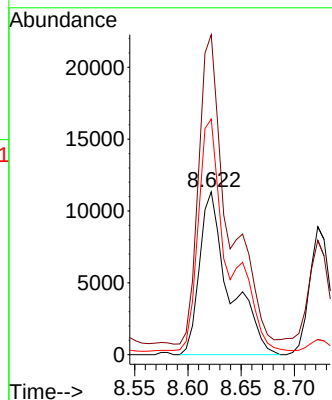
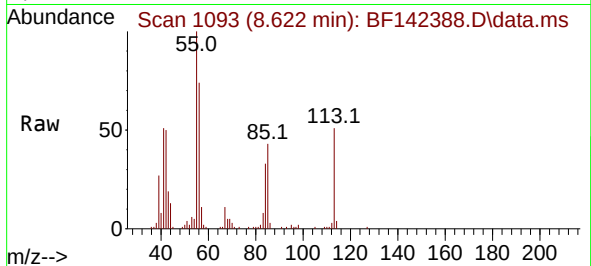




#35
 Caprolactam
 Concen: 8.704 ng
 RT: 8.622 min Scan# 1109
 Delta R.T. 0.000 min
 Lab File: BF142388.D
 Acq: 15 May 2025 12:18

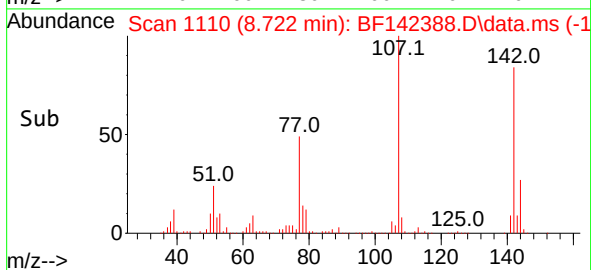
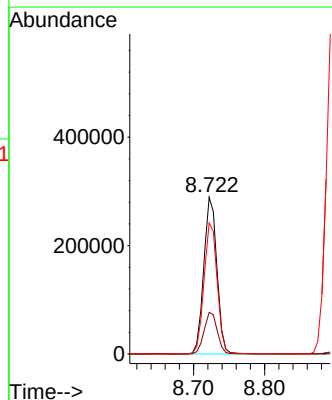
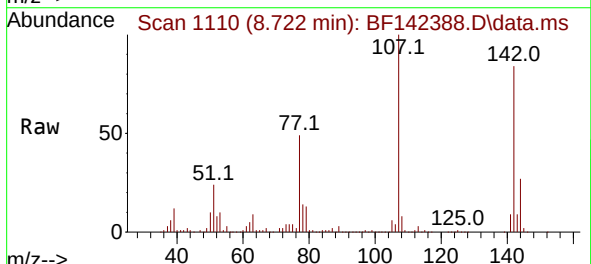
Instrument :
 BNA_F
 ClientSampleId :
 MW-3-20250508MS

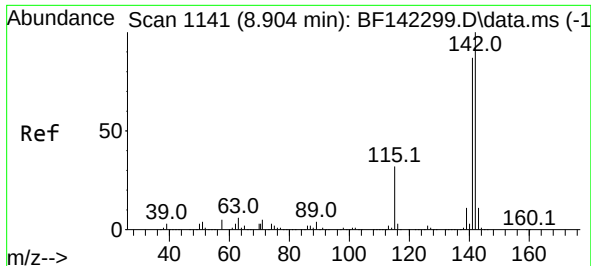
Tgt Ion:	113	Resp:	22274
Ion	Ratio	Lower	Upper
113	100		
55	196.4	176.4	216.4
56	144.7	120.3	160.3



#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# 1140

Delta R.T. -0.006 min

Lab File: BF142388.D

Acq: 15 May 2025 12:18

Instrument :

BNA_F

ClientSampleId :

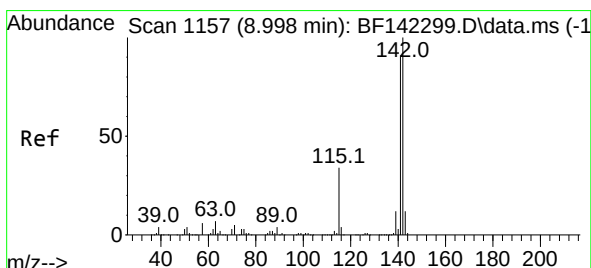
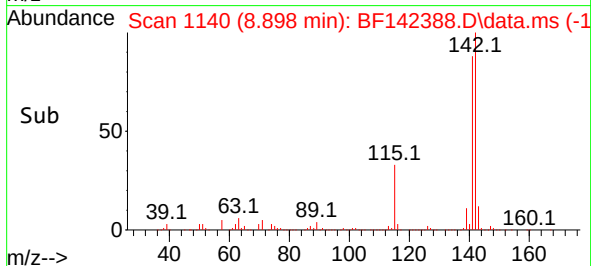
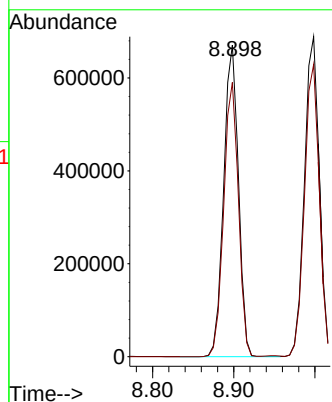
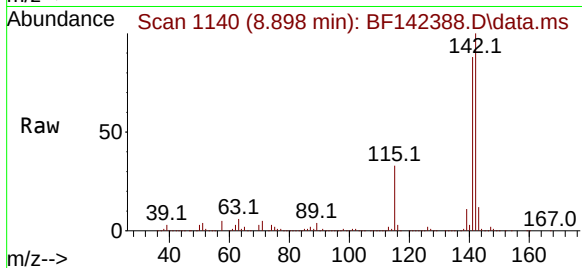
MW-3-20250508MS

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

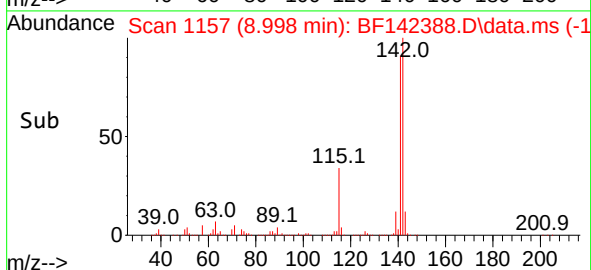
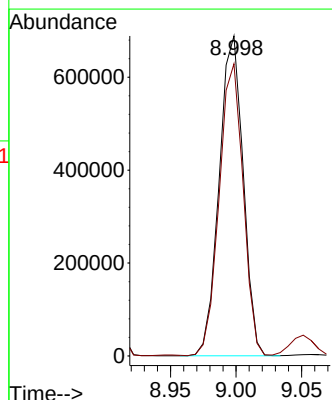
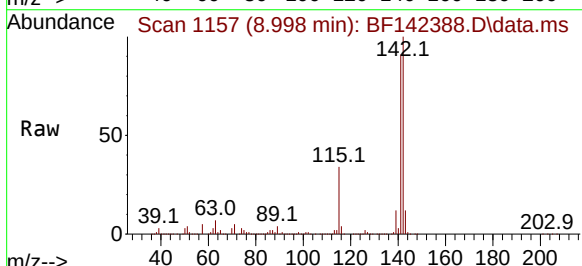
Acq: 15 May 2025 12:18

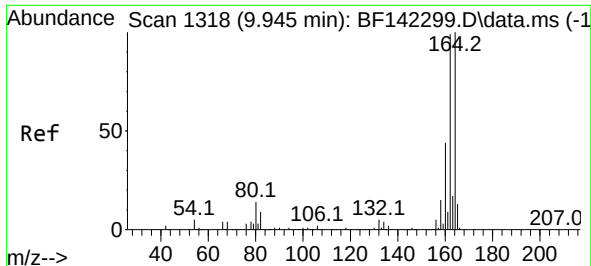
Tgt Ion:142 Resp: 875361

Ion Ratio Lower Upper

142 100

141 91.3 72.5 108.7

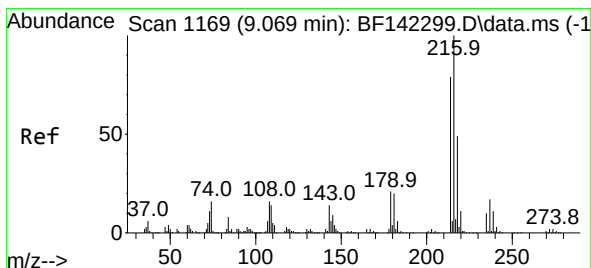
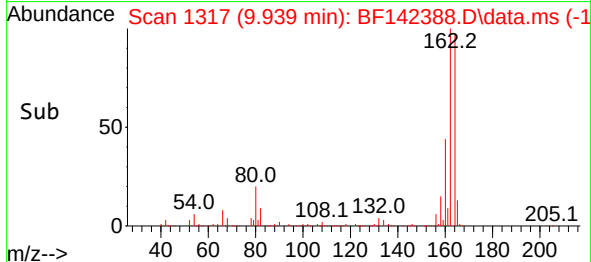
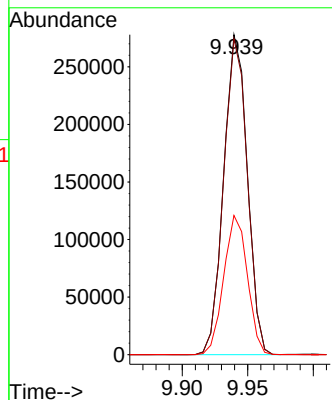
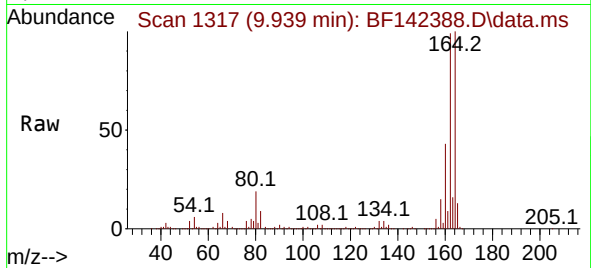




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.939 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

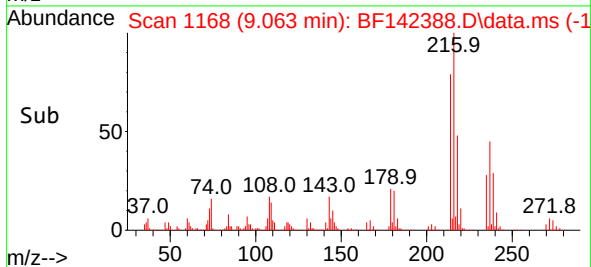
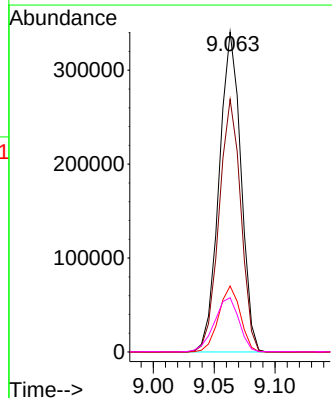
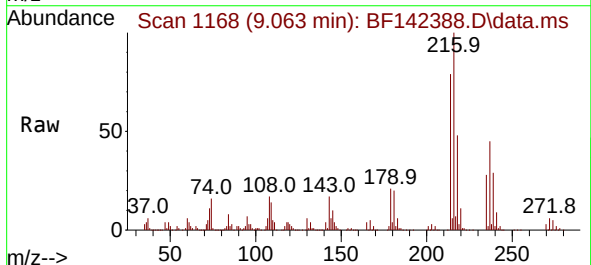
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

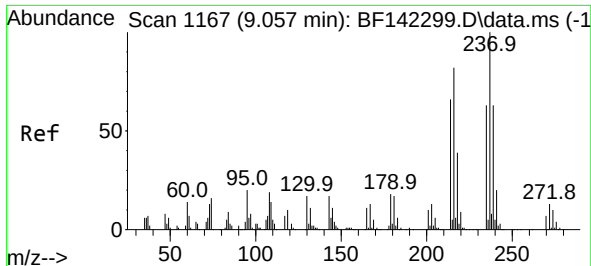
Tgt Ion:164 Resp: 349080
Ion Ratio Lower Upper
164 100
162 98.7 79.2 118.8
160 43.5 35.3 52.9



#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

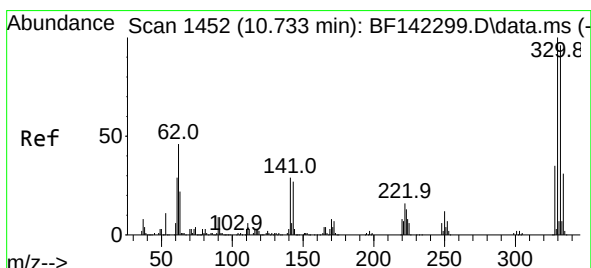
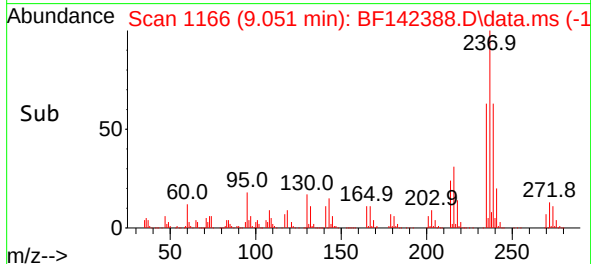
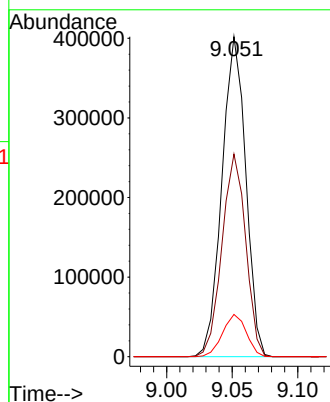
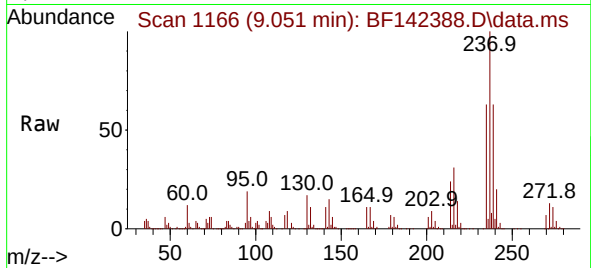




#41
Hexachlorocyclopentadiene
Concen: 84.288 ng
RT: 9.051 min Scan# 1166
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

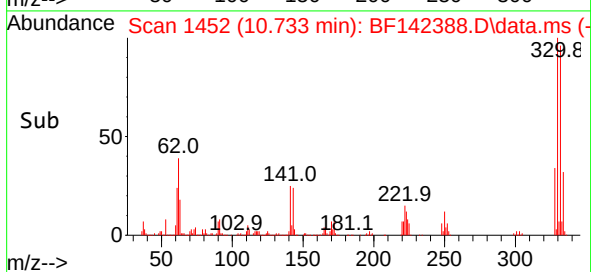
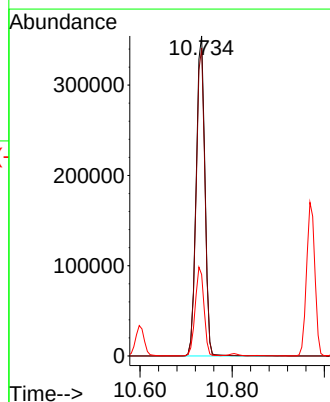
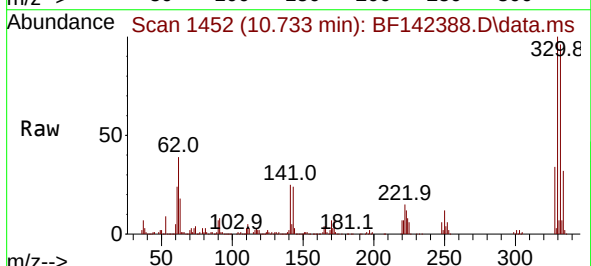
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

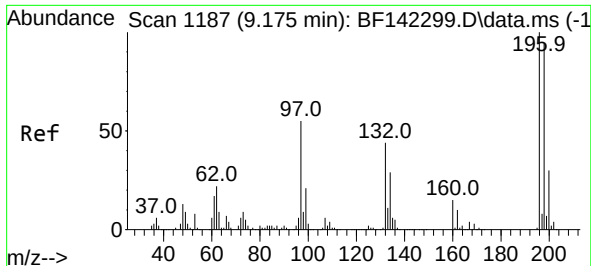
Tgt Ion:237 Resp: 507870
Ion Ratio Lower Upper
237 100
235 63.3 42.8 82.8
272 13.2 0.0 33.0



#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

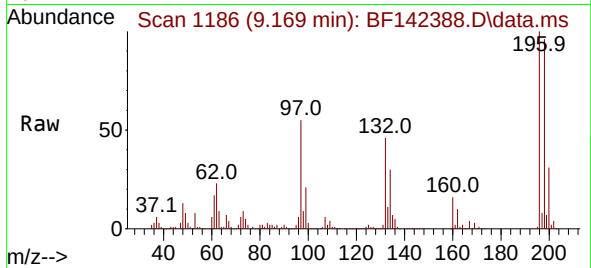
Tgt Ion:330 Resp: 464026
Ion Ratio Lower Upper
330 100
332 96.1 76.8 115.2
141 27.9 24.9 37.3



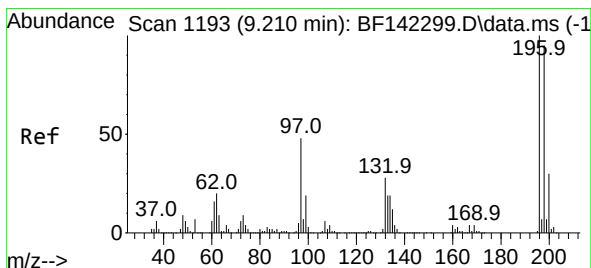
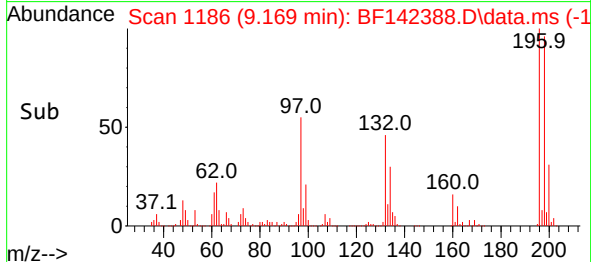
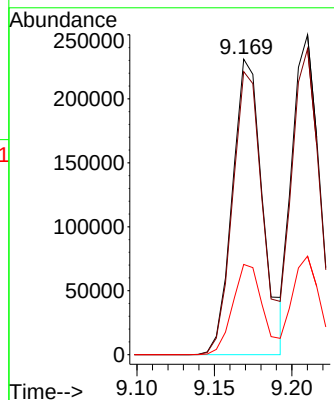


#43
2,4,6-Trichlorophenol
Concen: 51.164 ng
RT: 9.169 min Scan# 1186
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

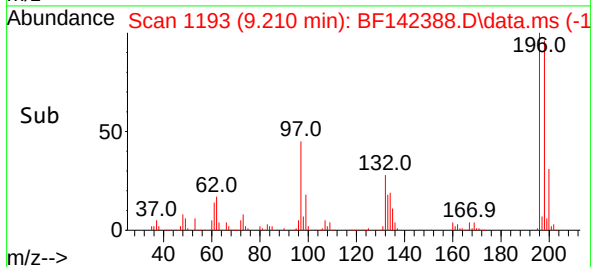
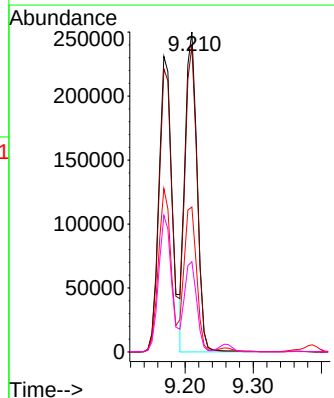
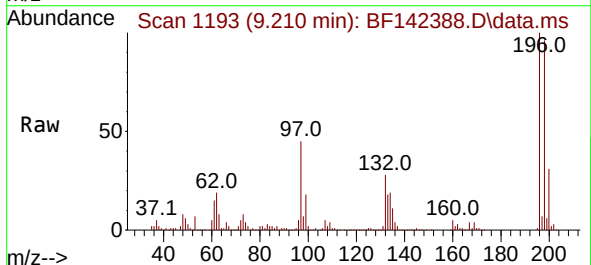


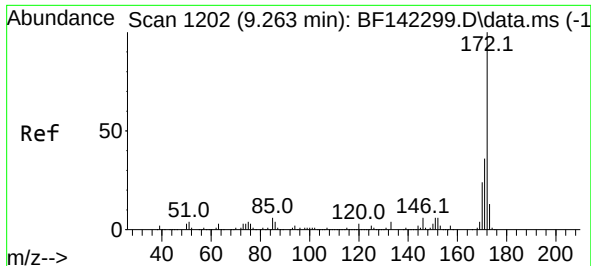
Tgt Ion:196 Resp: 314642
Ion Ratio Lower Upper
196 100
198 95.8 75.4 113.0
200 30.5 24.3 36.5



#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

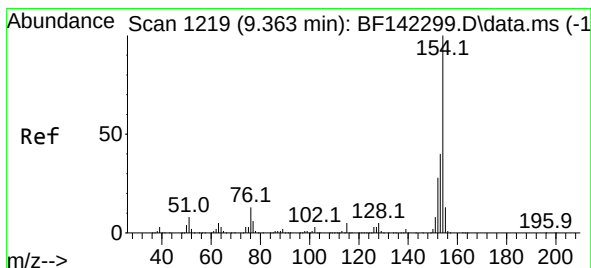
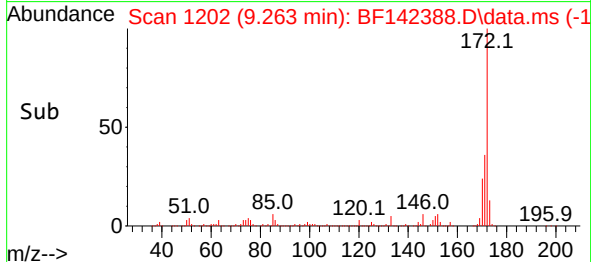
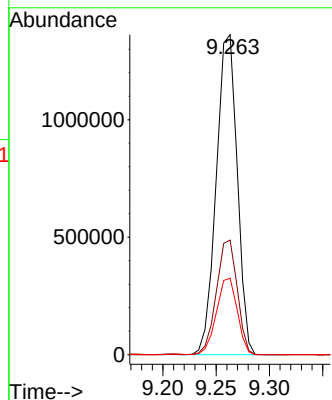
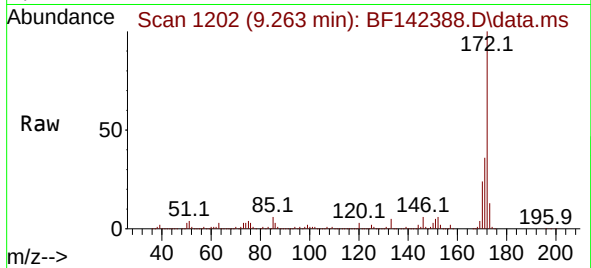




#45
2-Fluorobiphenyl
Concen: 75.993 ng
RT: 9.263 min Scan# 1202
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

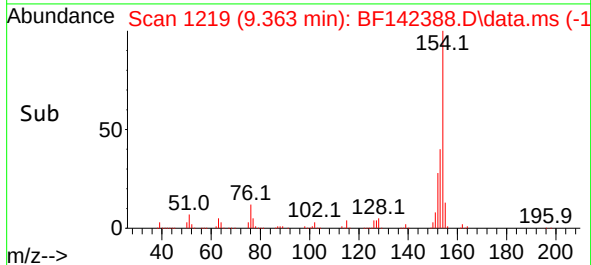
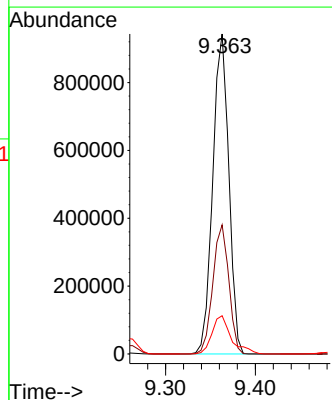
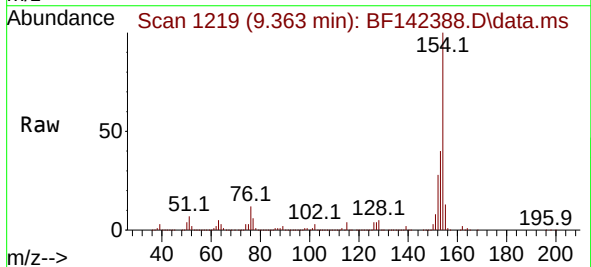
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

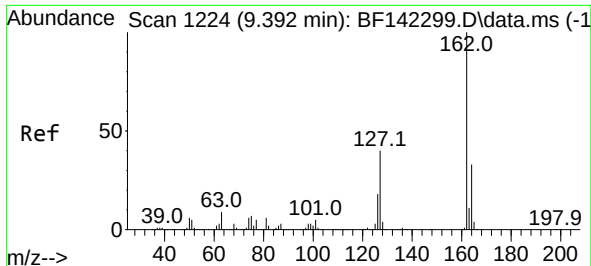
Tgt Ion:172 Resp: 1860447
Ion Ratio Lower Upper
172 100
171 35.8 28.6 42.8
170 23.9 19.0 28.4



#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

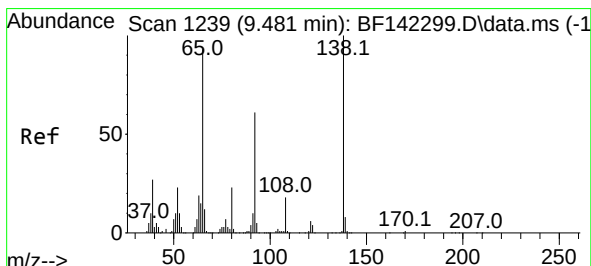
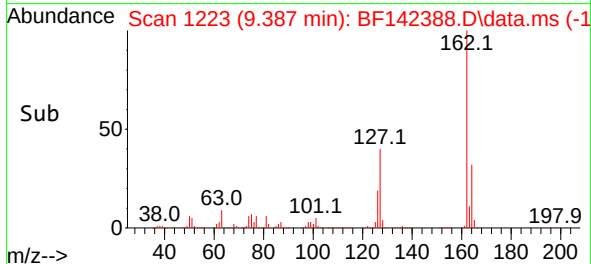
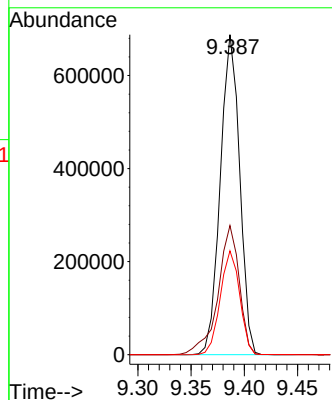
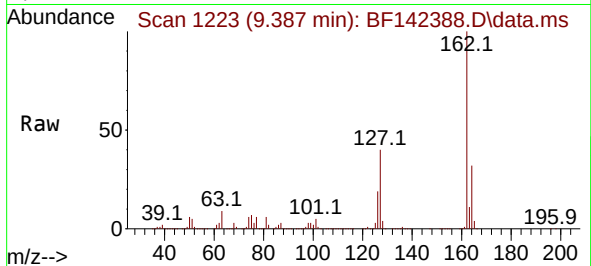




#47
2-Chloronaphthalene
Concen: 43.548 ng
RT: 9.387 min Scan# 1223
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

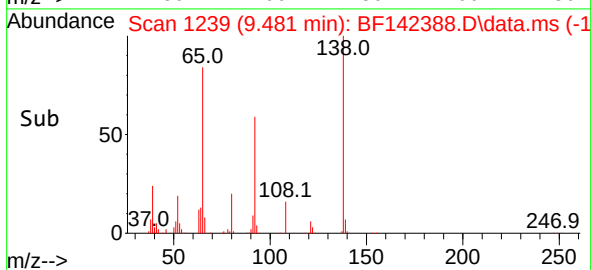
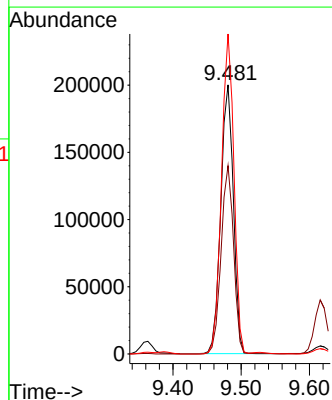
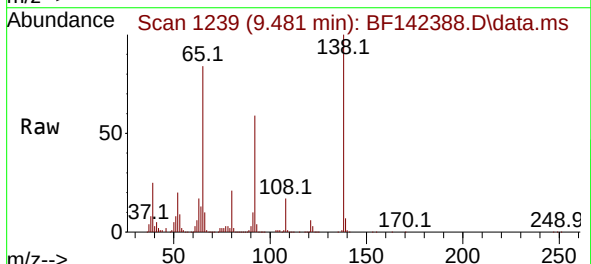
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

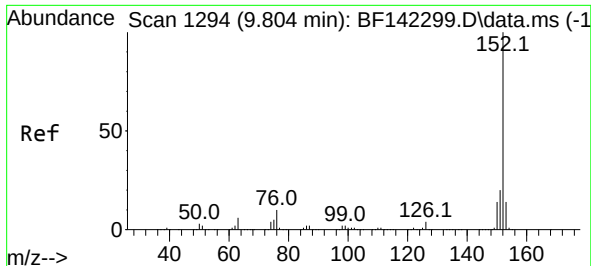
Tgt Ion:162 Resp: 866810
Ion Ratio Lower Upper
162 100
127 40.4 32.3 48.5
164 32.4 26.6 40.0



#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

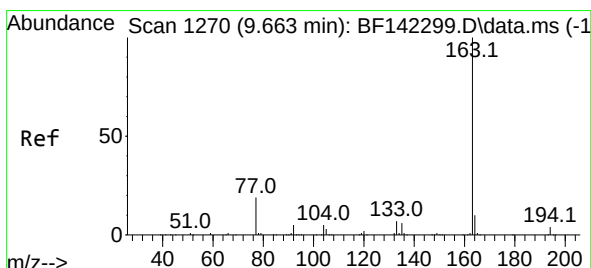
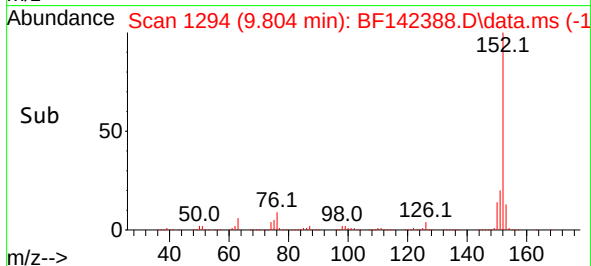
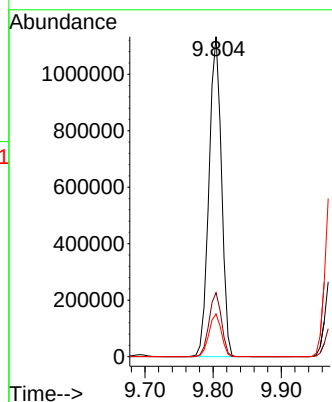
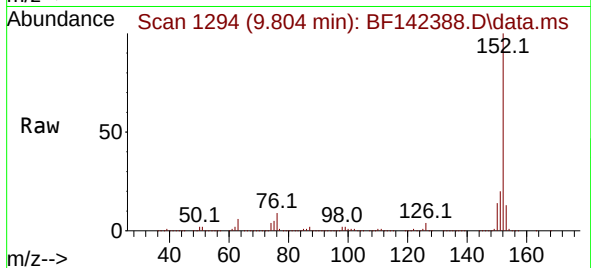
Tgt Ion:152 Resp: 1443735

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

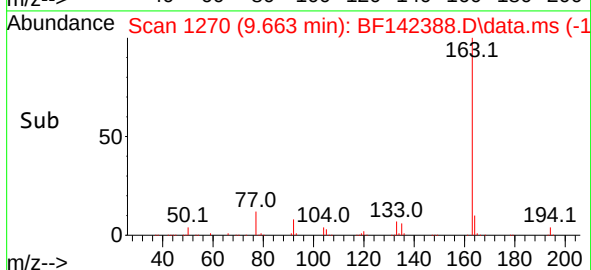
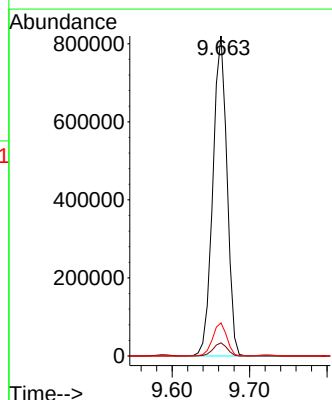
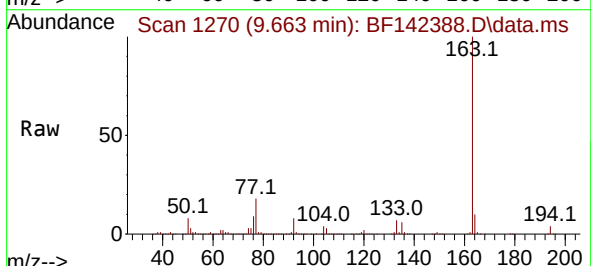
Tgt Ion:163 Resp: 1038662

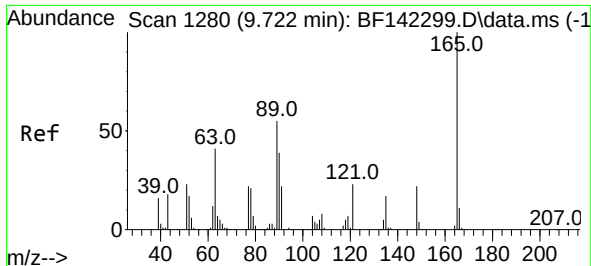
Ion Ratio Lower Upper

163 100

194 4.1 3.2 4.8

164 10.3 8.3 12.5

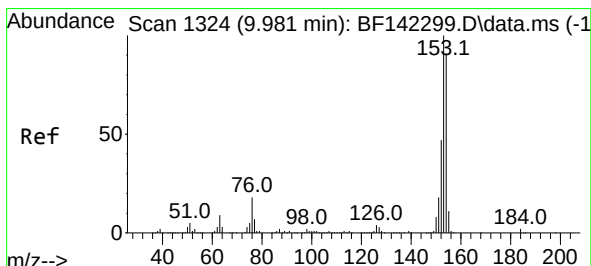
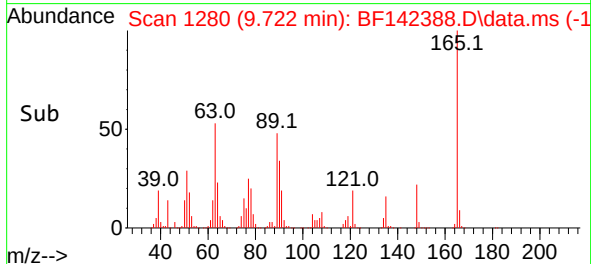
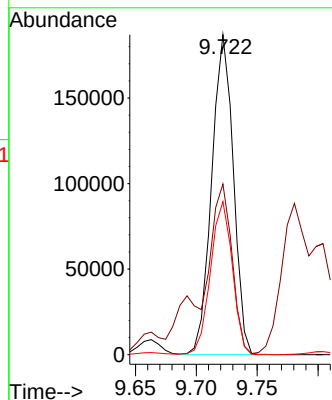
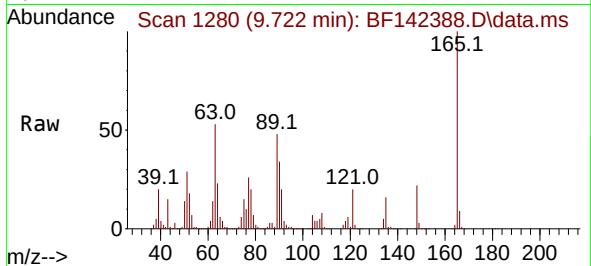




#51
2,6-Dinitrotoluene
Concen: 54.949 ng
RT: 9.722 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

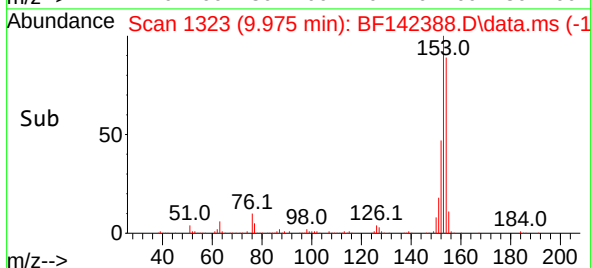
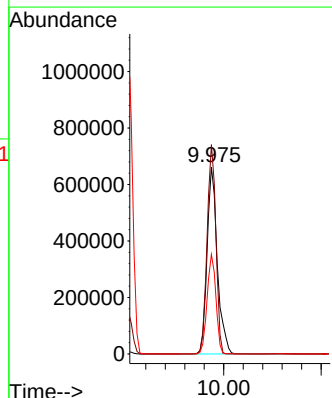
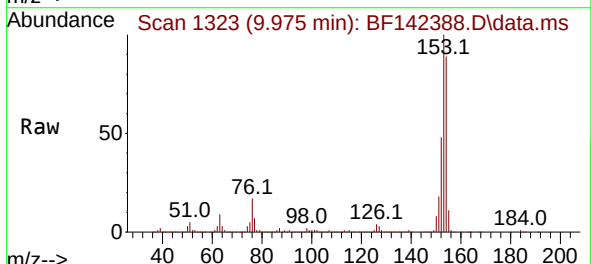
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

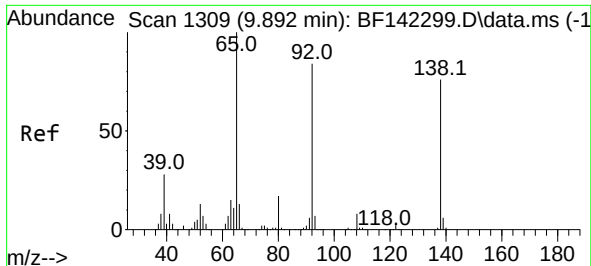
Tgt Ion:165 Resp: 230553
Ion Ratio Lower Upper
165 100
63 53.4 49.5 74.3
89 47.9 44.6 66.8



#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

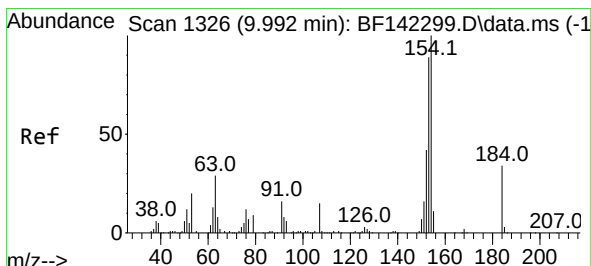
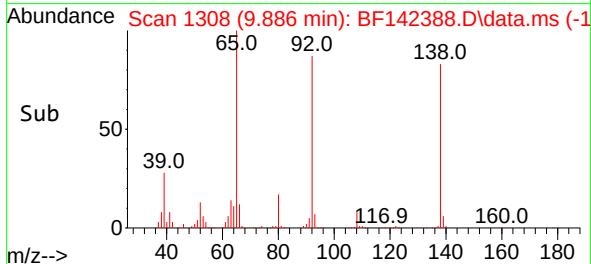
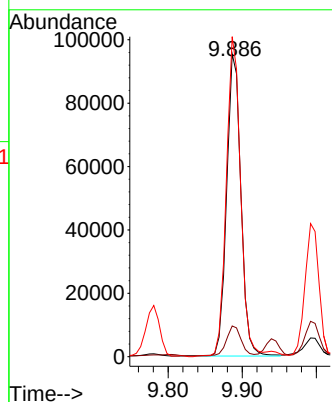
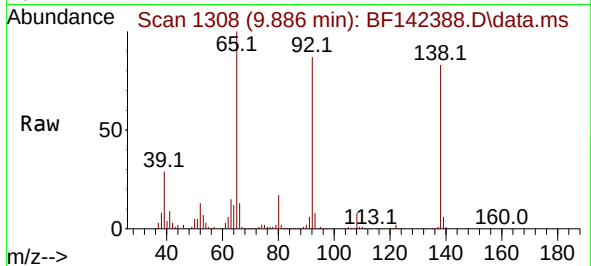




#53
3-Nitroaniline
Concen: 25.872 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

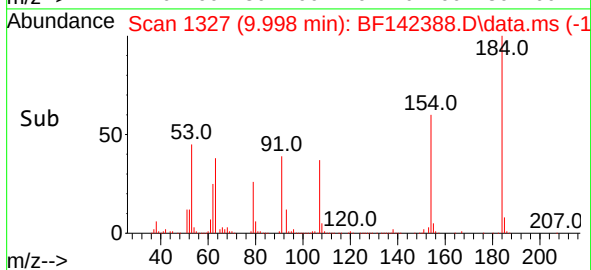
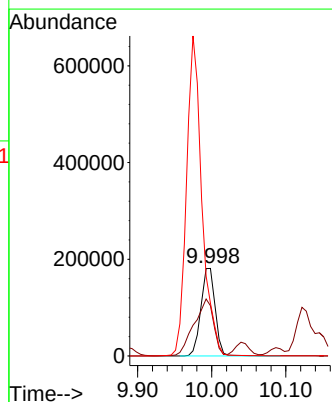
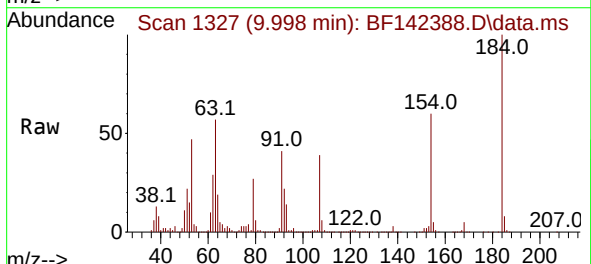
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

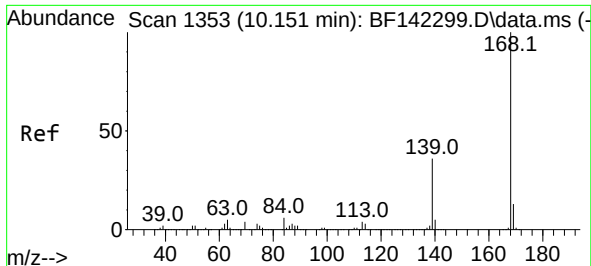
Tgt Ion:138 Resp: 127310
Ion Ratio Lower Upper
138 100
108 10.1 8.7 13.1
92 105.7 89.5 134.3



#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#

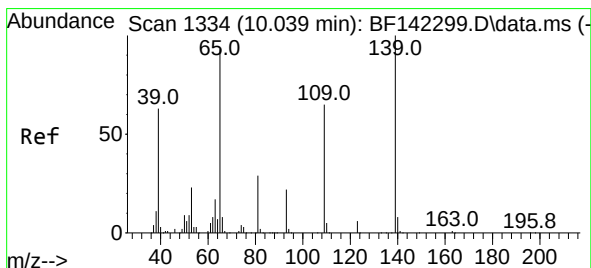
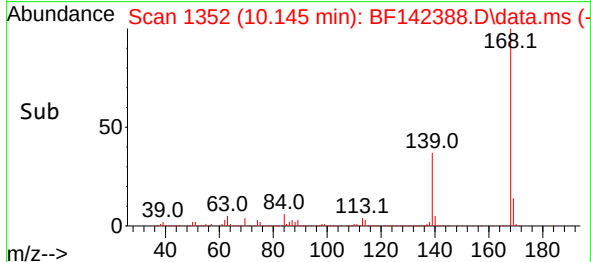
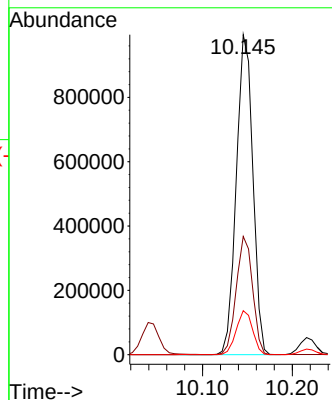
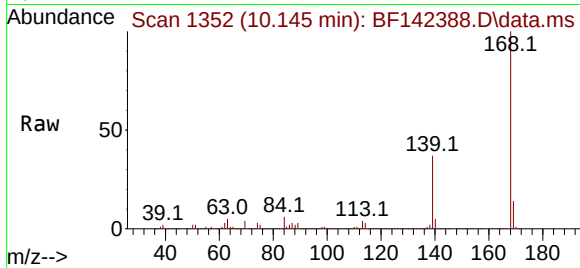




#55
Dibenzenofuran
Concen: 43.106 ng
RT: 10.145 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

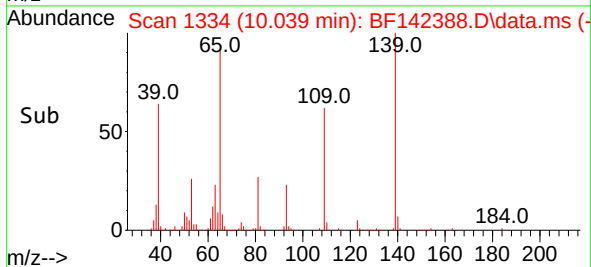
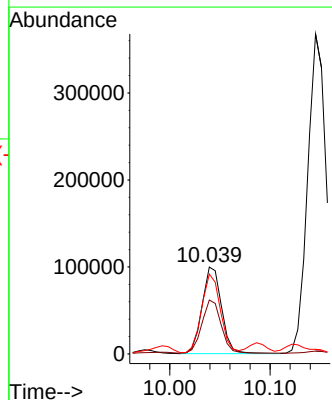
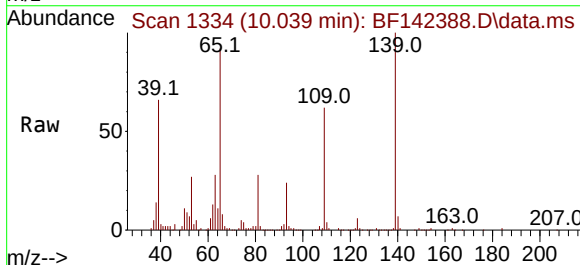
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

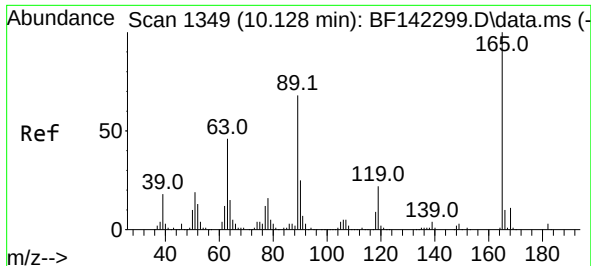
Tgt Ion:168 Resp: 1273696
Ion Ratio Lower Upper
168 100
139 37.0 29.0 43.4
169 13.8 10.7 16.1



#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

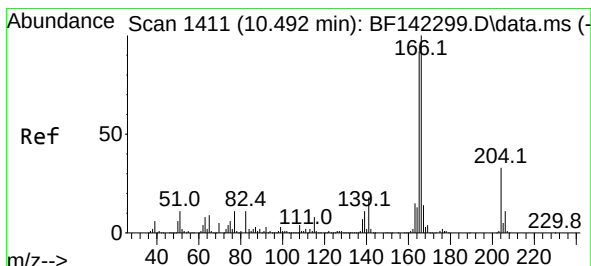
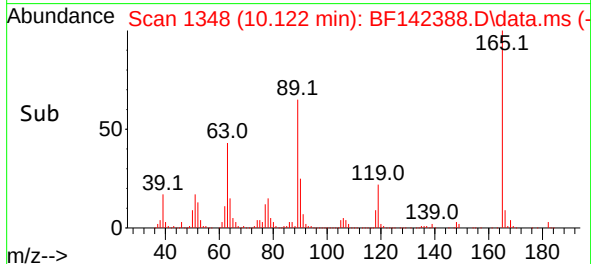
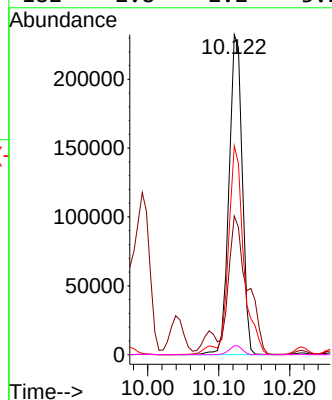
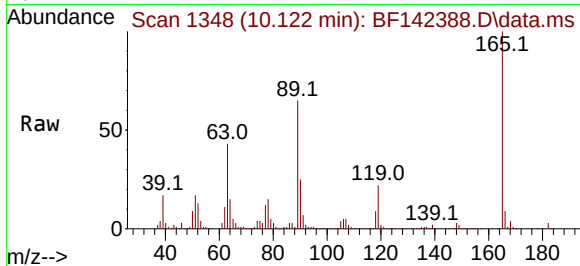




#57
2,4-Dinitrotoluene
Concen: 55.899 ng
RT: 10.122 min Scan# 1348
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

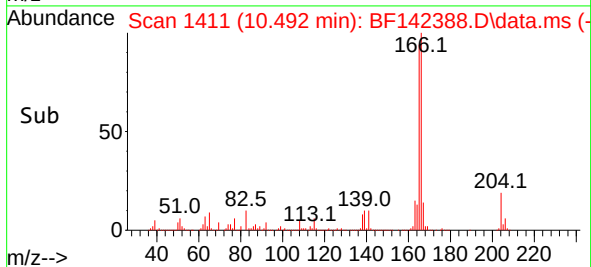
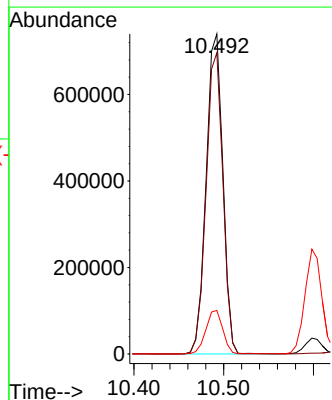
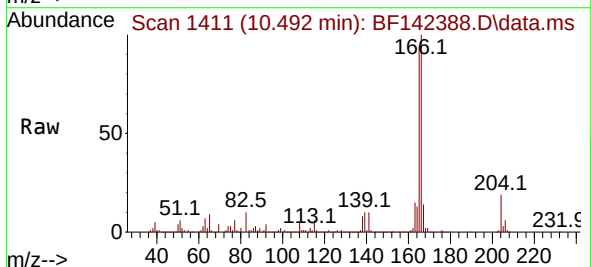
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

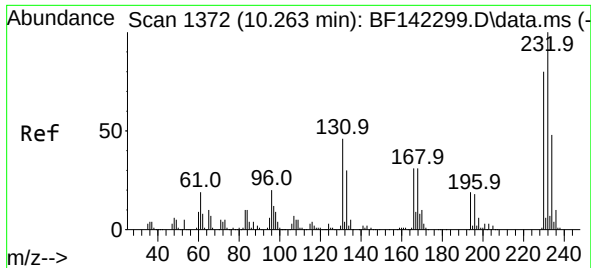
Tgt Ion:165 Resp: 300847
Ion Ratio Lower Upper
165 100
63 43.3 37.1 55.7
89 65.2 54.4 81.6
182 2.8 2.2 3.2



#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

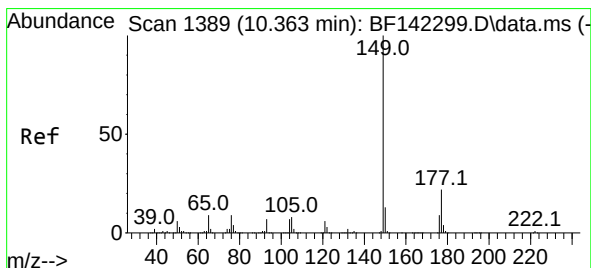
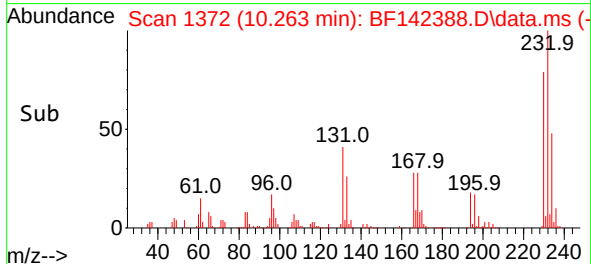
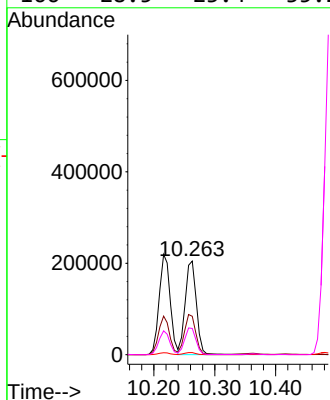
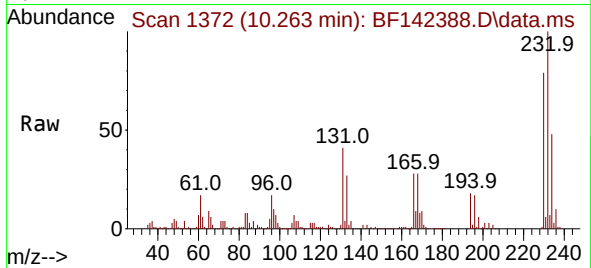




#59
2,3,4,6-Tetrachlorophenol
Concen: 48.631 ng
RT: 10.263 min Scan# 1372
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

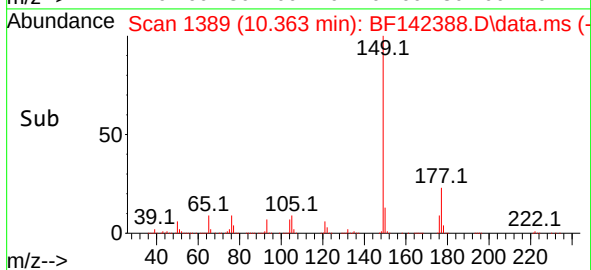
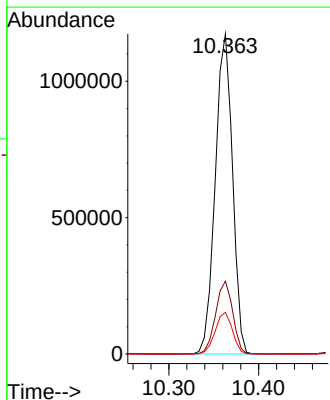
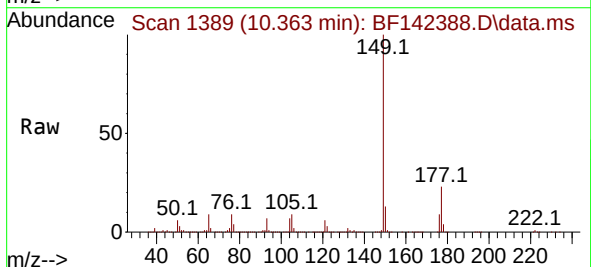
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

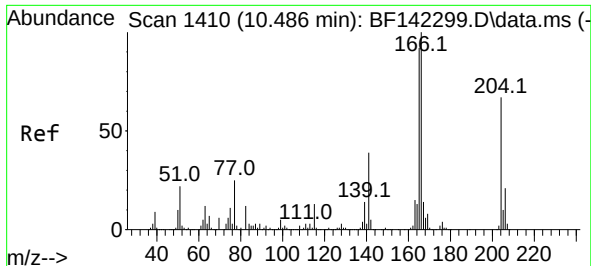
Tgt Ion:232 Resp: 262685
Ion Ratio Lower Upper
232 100
131 42.1 36.0 54.0
130 2.4 1.8 2.6
166 28.5 23.4 35.2



#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# 1410

Delta R.T. -0.006 min

Lab File: BF142388.D

Acq: 15 May 2025 12:18

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MS

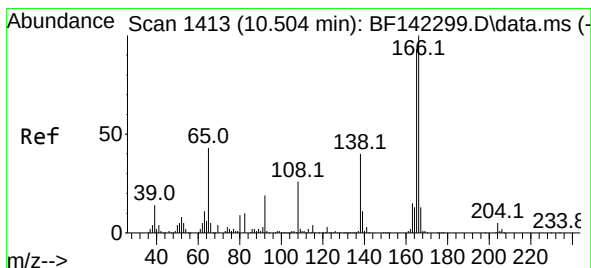
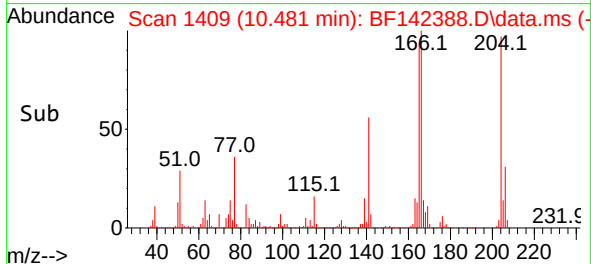
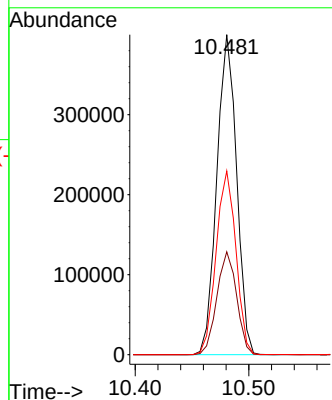
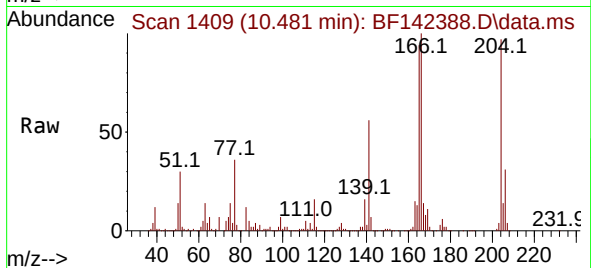
Tgt Ion:204 Resp: 484239

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

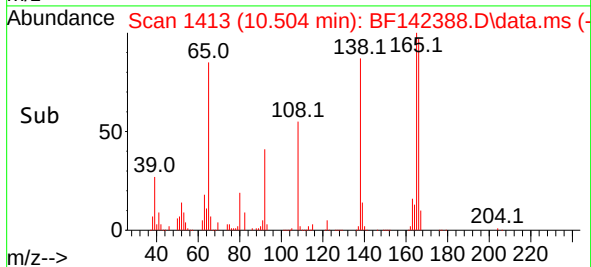
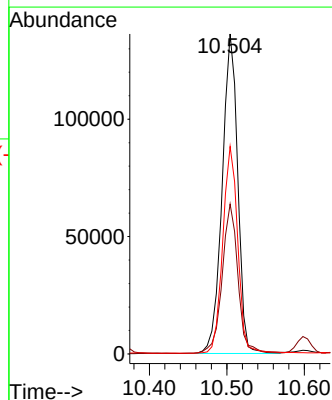
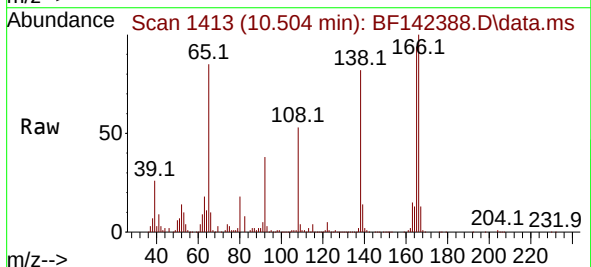
Tgt Ion:138 Resp: 190164

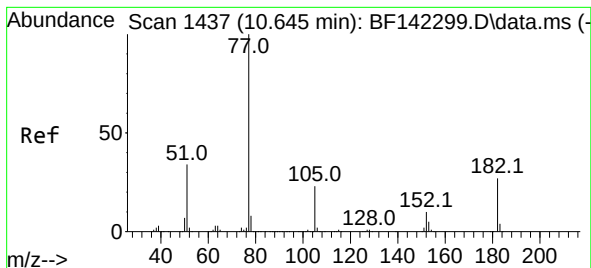
Ion Ratio Lower Upper

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# 1436

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

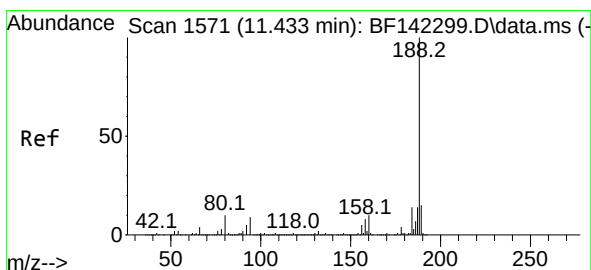
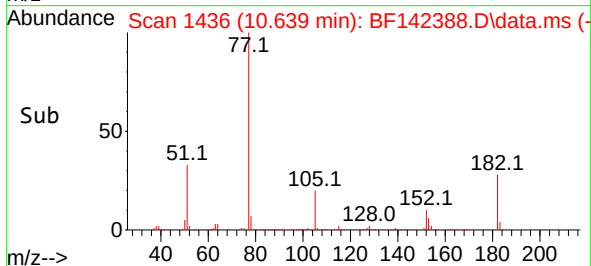
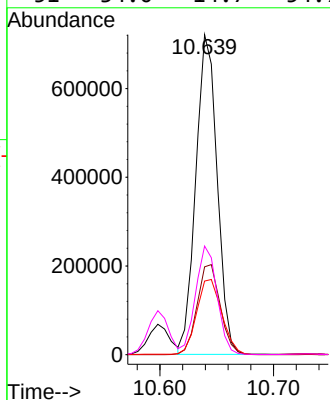
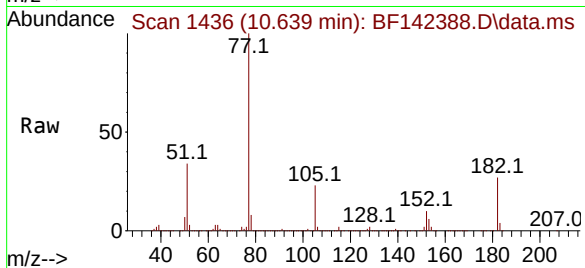
Ion Ratio Lower Upper

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

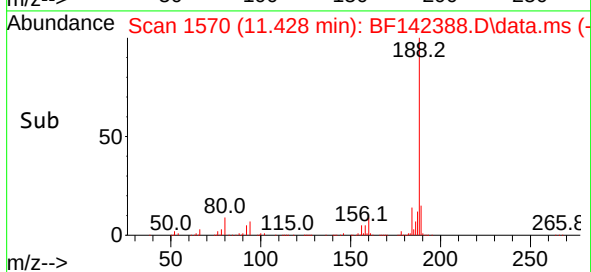
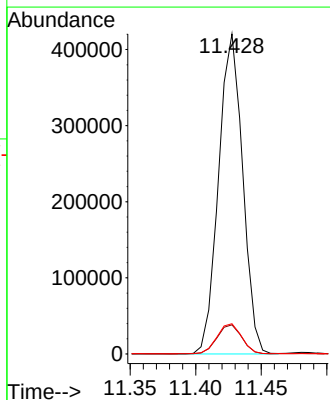
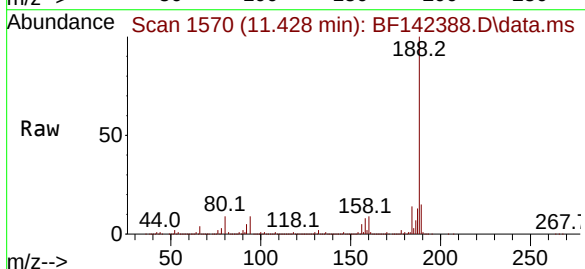
Tgt Ion: 188 Resp: 537648

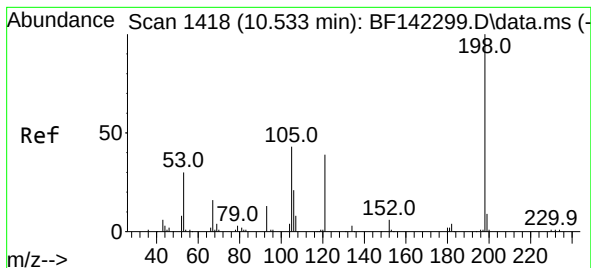
Ion Ratio Lower Upper

188 100

94 9.1 7.5 11.3

80 9.5 7.9 11.9

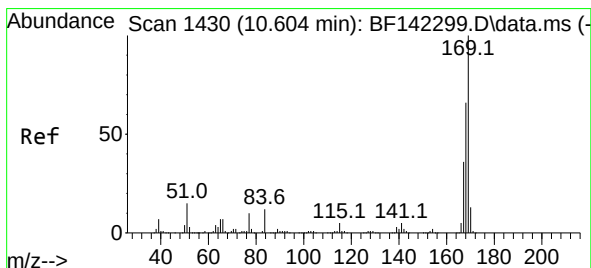
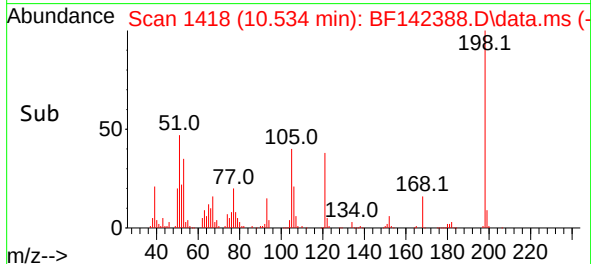
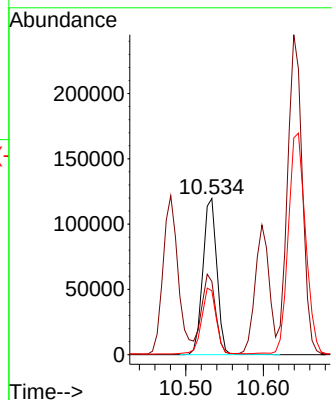
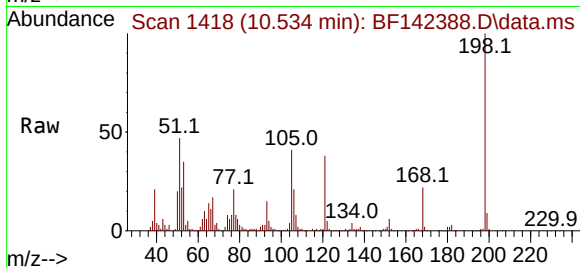




#65
4,6-Dinitro-2-methylphenol
Concen: 58.228 ng
RT: 10.534 min Scan# 1418
Delta R.T. 0.001 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

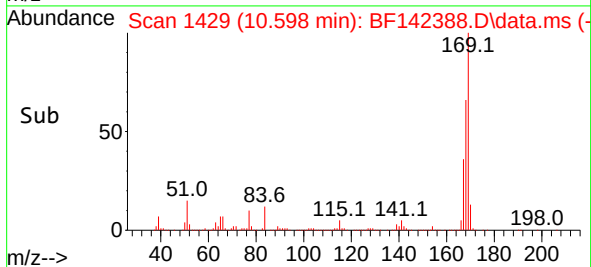
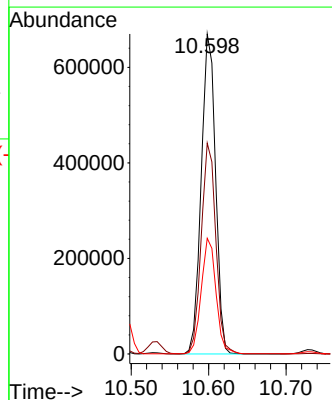
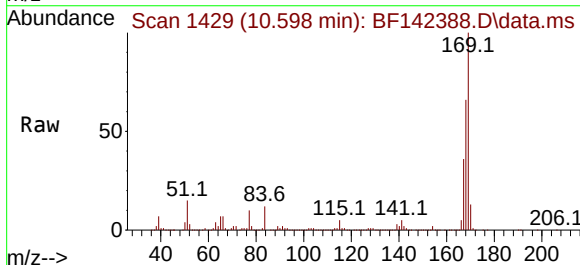
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

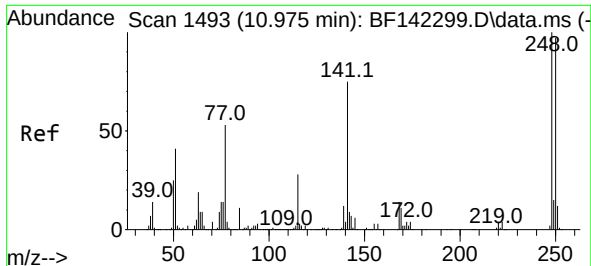
Tgt Ion:198 Resp: 150445
Ion Ratio Lower Upper
198 100
51 46.9 32.9 72.9
105 40.9 23.7 63.7



#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

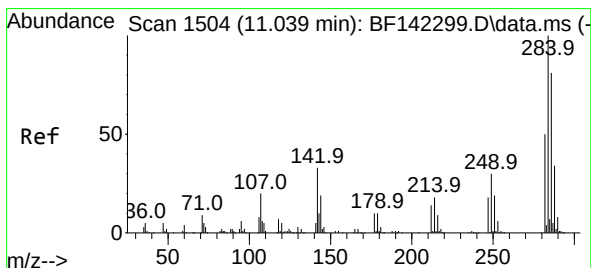
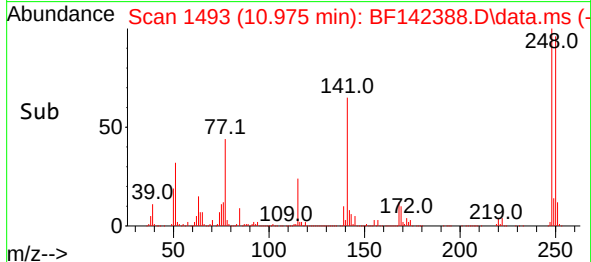
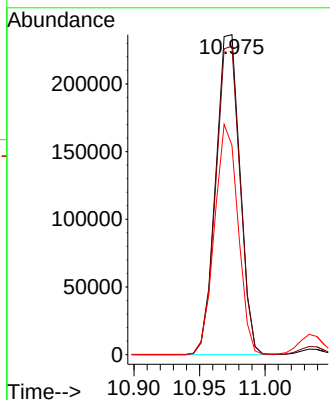
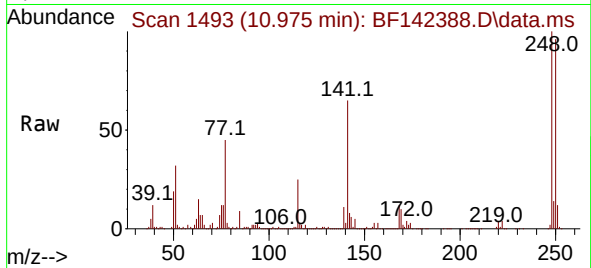




#67
4-Bromophenyl-phenylether
Concen: 49.904 ng
RT: 10.975 min Scan# 1493
Delta R.T. 0.000 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

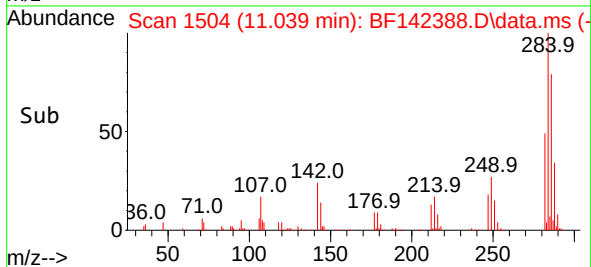
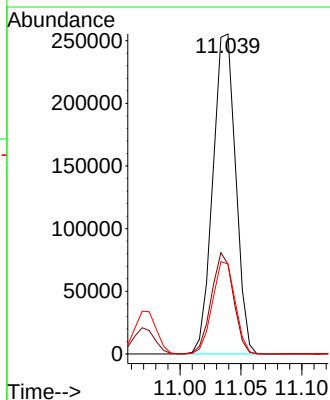
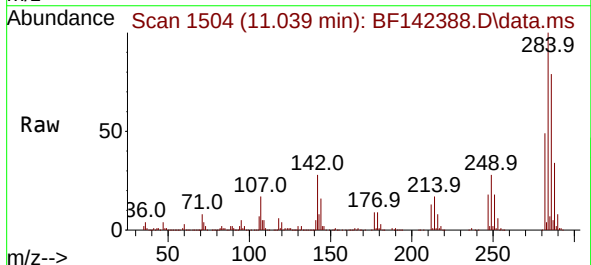
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

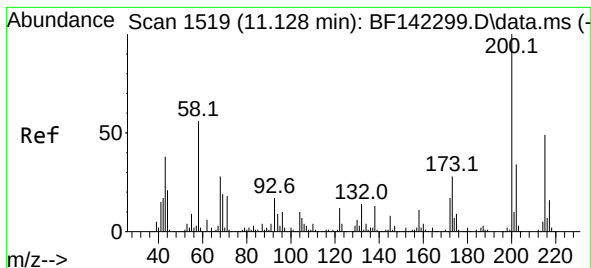
Tgt Ion:248 Resp: 304081
Ion Ratio Lower Upper
248 100
250 96.4 77.9 116.9
141 65.4 59.8 89.8



#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# 1519

Delta R.T. 0.000 min

Lab File: BF142388.D

Acq: 15 May 2025 12:18

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MS

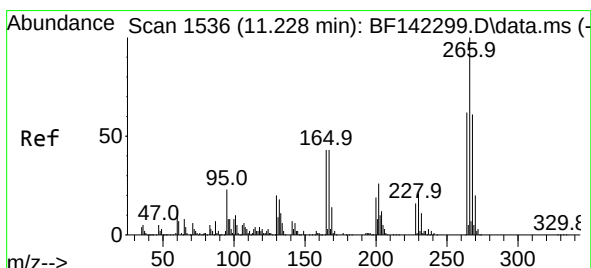
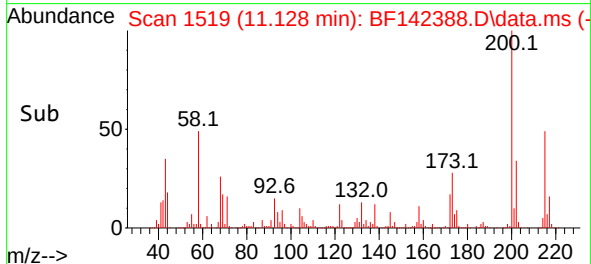
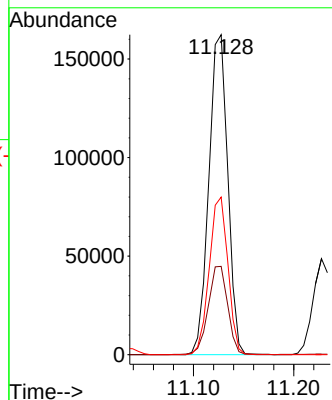
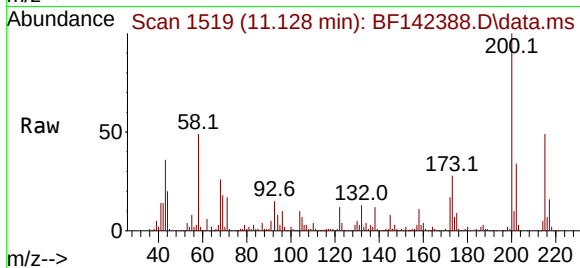
Tgt Ion:200 Resp: 213276

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

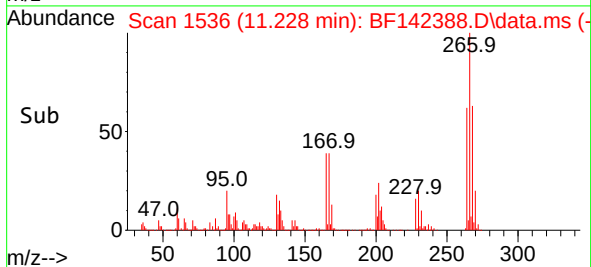
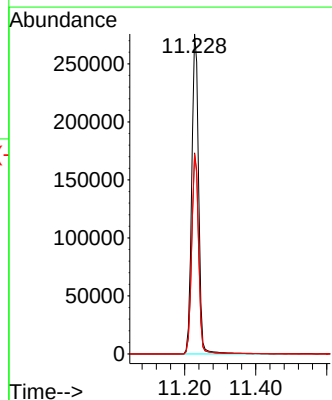
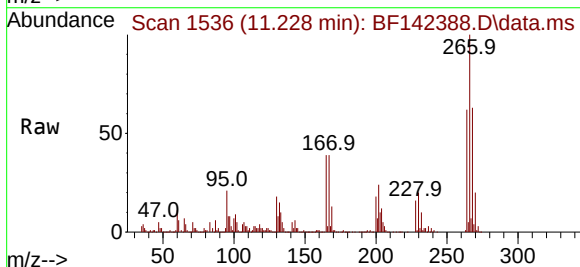
Tgt Ion:266 Resp: 371808

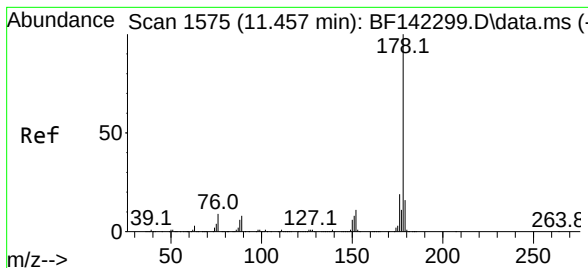
Ion Ratio Lower Upper

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# 1574

Delta R.T. -0.006 min

Lab File: BF142388.D

Acq: 15 May 2025 12:18

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MS

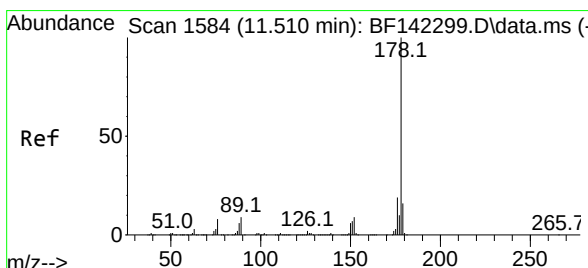
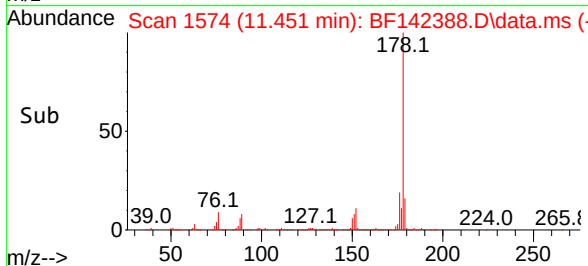
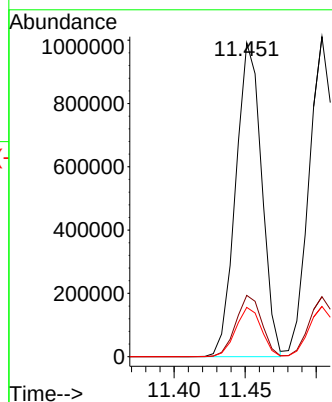
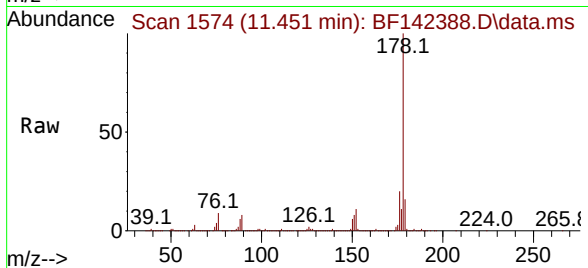
Tgt Ion:178 Resp: 1258546

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

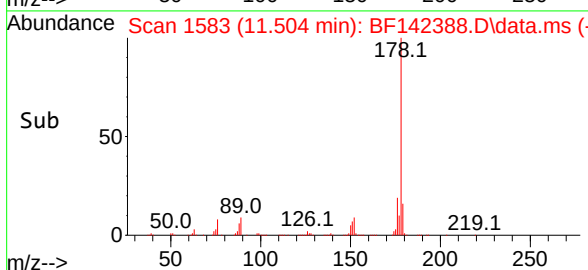
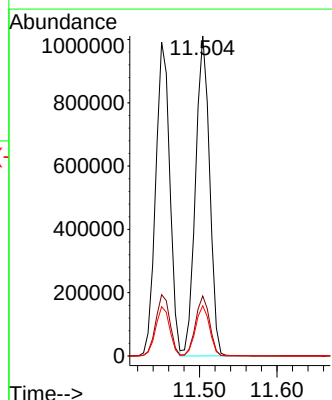
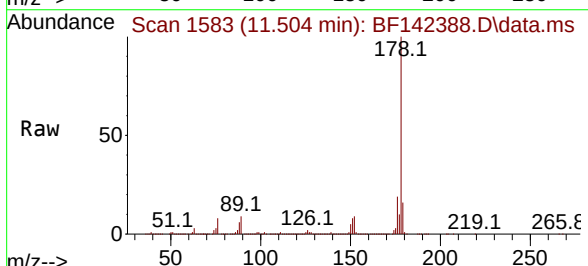
Tgt Ion:178 Resp: 1270435

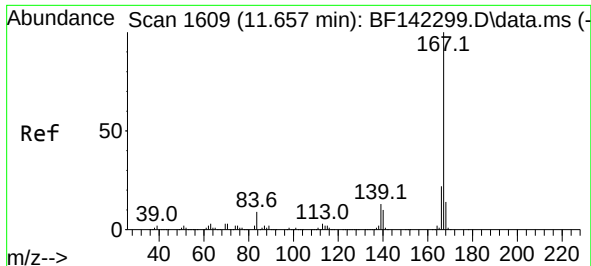
Ion Ratio Lower Upper

178 100

176 18.8 15.3 22.9

179 15.7 12.6 18.8

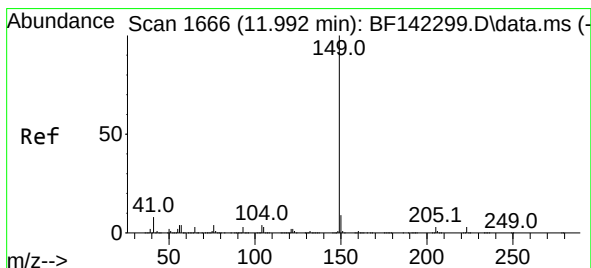
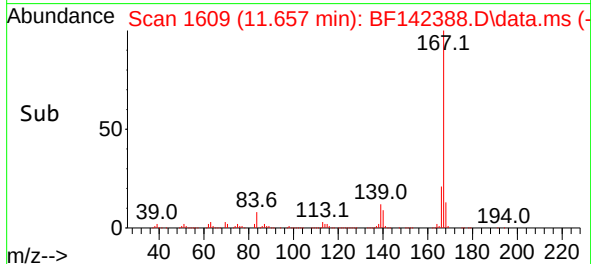
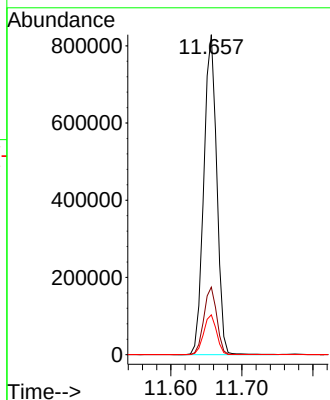
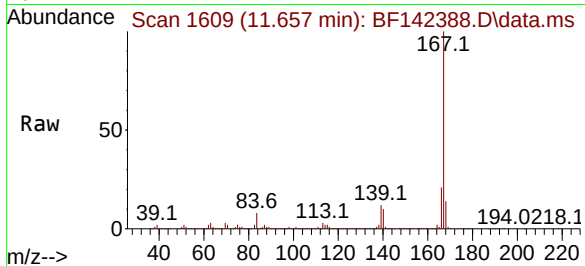




#73
 Carbazole
 Concen: 40.382 ng
 RT: 11.657 min Scan# 1609
 Delta R.T. 0.000 min
 Lab File: BF142388.D
 Acq: 15 May 2025 12:18

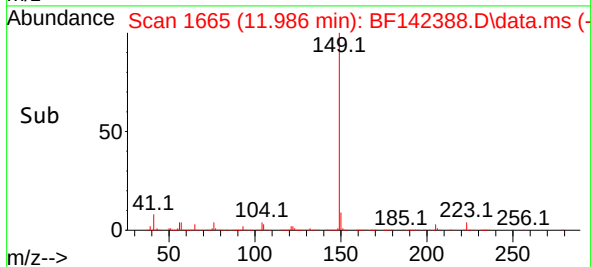
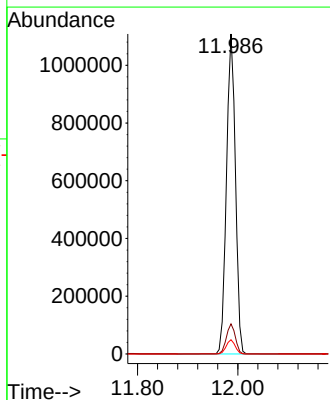
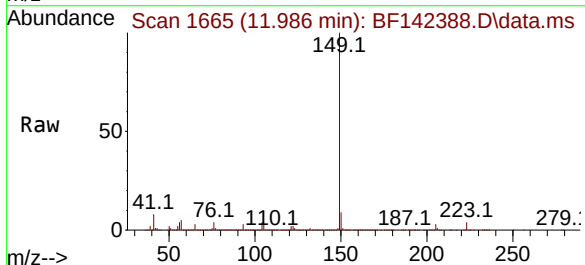
Instrument :
 BNA_F
 ClientSampleId :
 MW-3-20250508MS

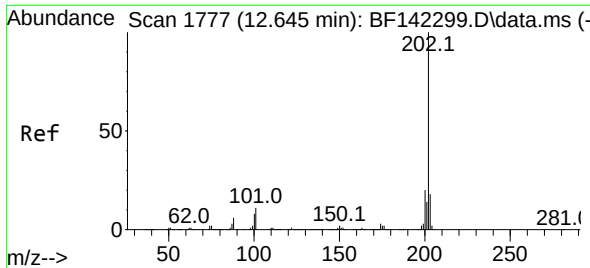
Tgt Ion:167 Resp: 1049104
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.2 25.8
 139 12.4 10.3 15.5



#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

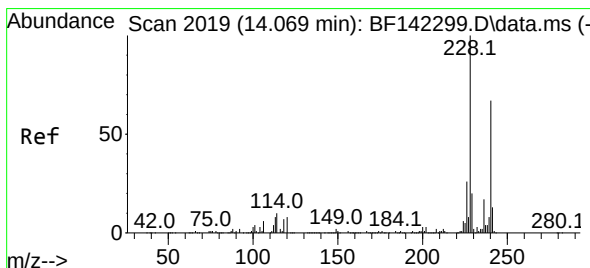
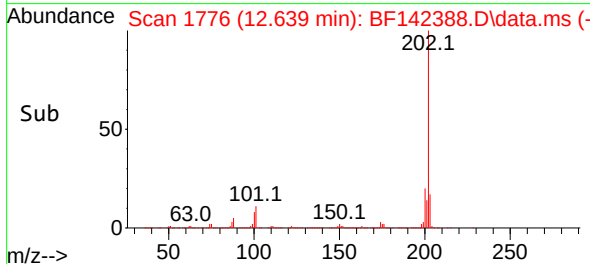
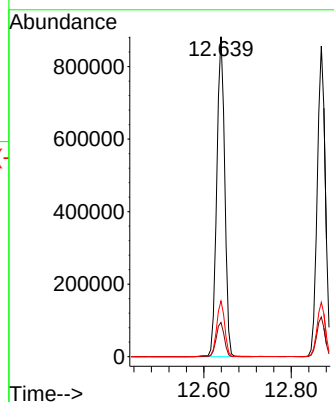
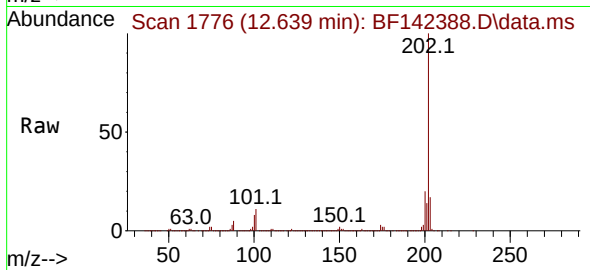




#75
Fluoranthene
Concen: 39.823 ng
RT: 12.639 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

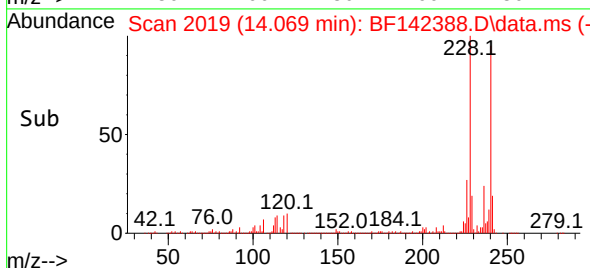
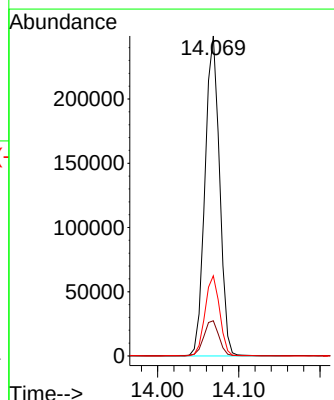
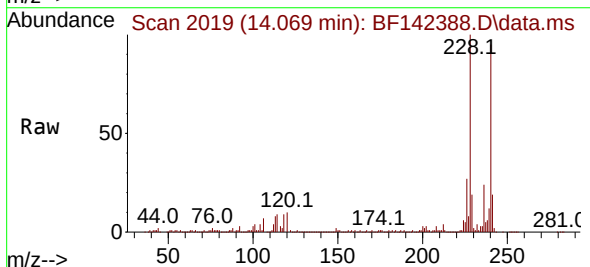
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

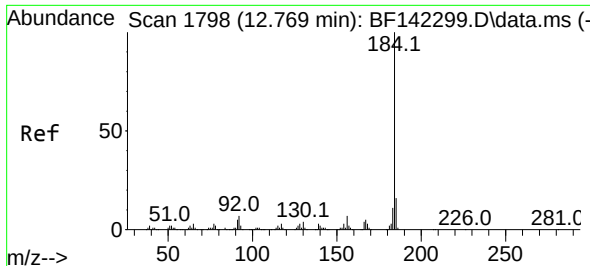
Tgt Ion:202 Resp: 1121887
Ion Ratio Lower Upper
202 100
101 10.7 0.0 31.4
203 17.4 0.0 37.9



#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

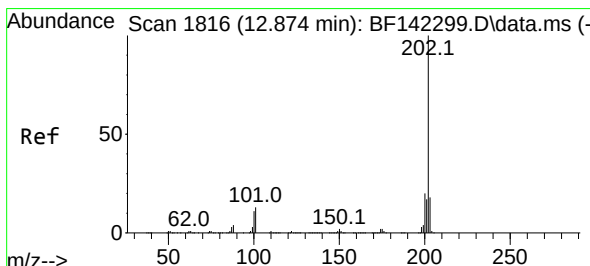
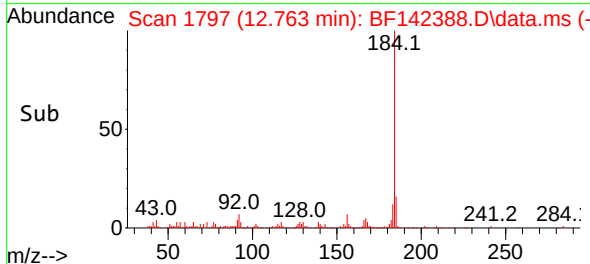
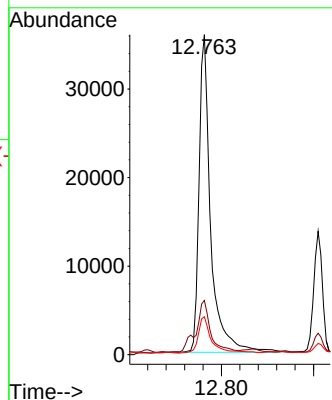
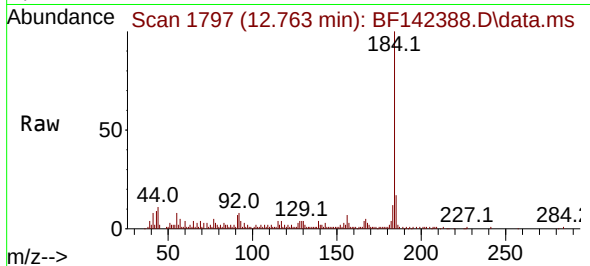




#77
Benzidine
Concen: 11.140 ng
RT: 12.763 min Scan# 1797
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

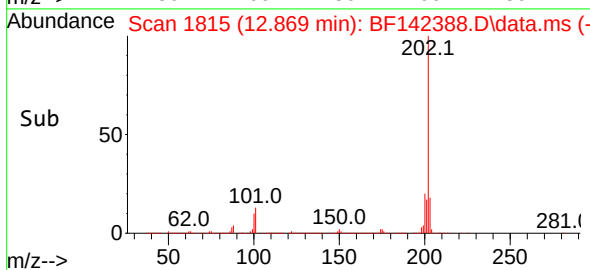
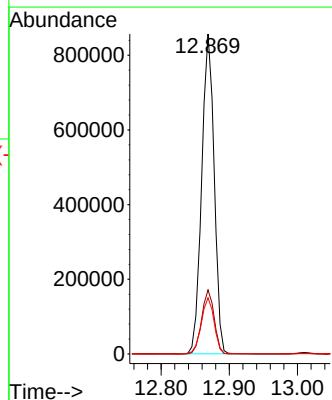
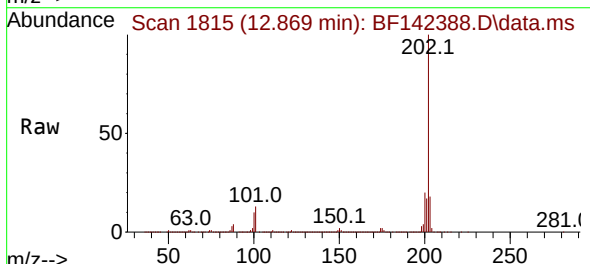
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

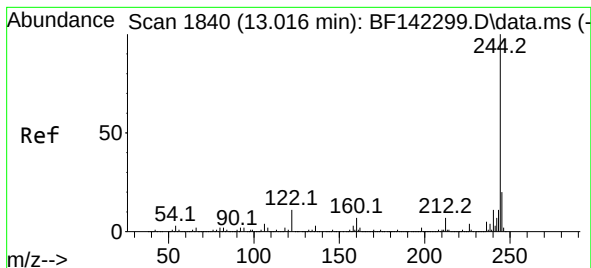
Tgt Ion:184 Resp: 62808
Ion Ratio Lower Upper
184 100
185 17.0 12.6 18.8
183 11.9 8.6 12.8



#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# 1840

Delta R.T. -0.006 min

Lab File: BF142388.D

Acq: 15 May 2025 12:18

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MS

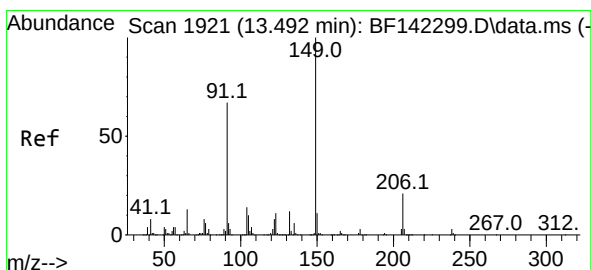
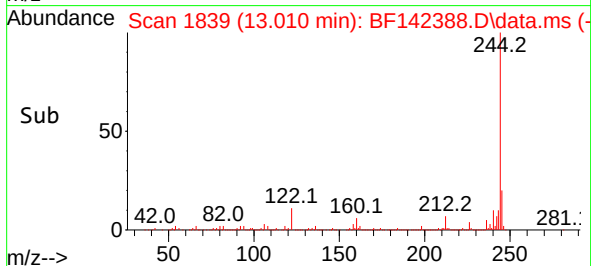
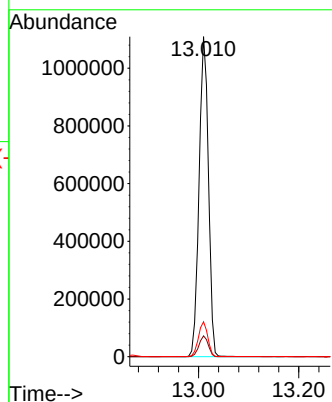
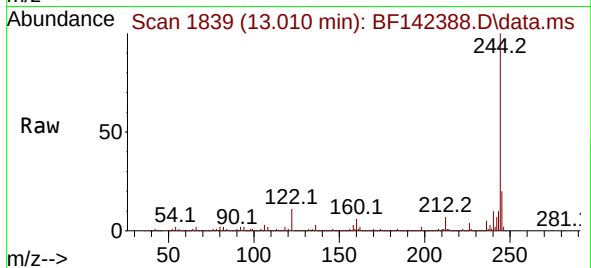
Tgt Ion:244 Resp: 1429949

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

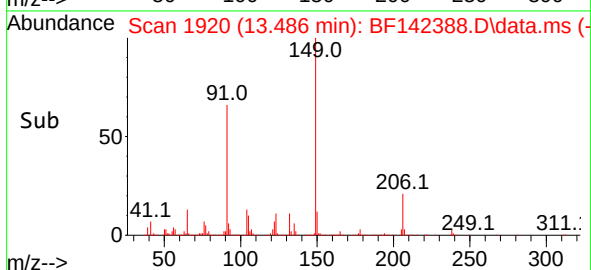
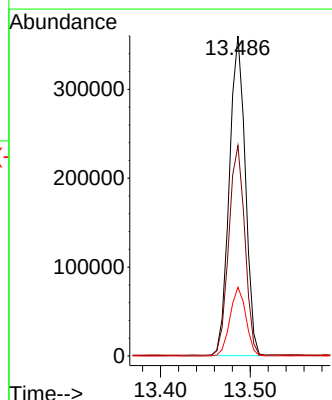
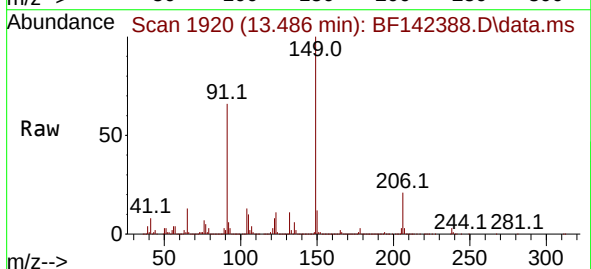
Tgt Ion:149 Resp: 444086

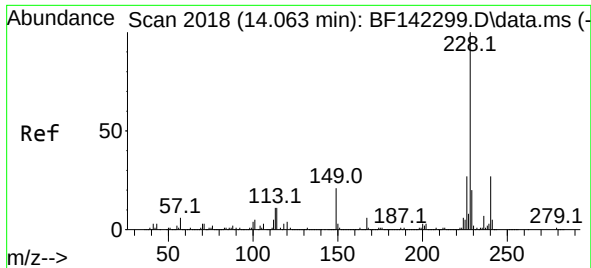
Ion Ratio Lower Upper

149 100

91 65.8 53.8 80.6

206 21.4 16.6 24.8

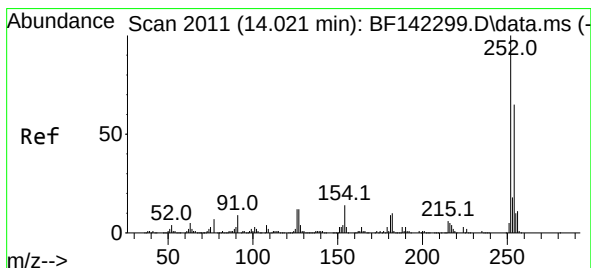
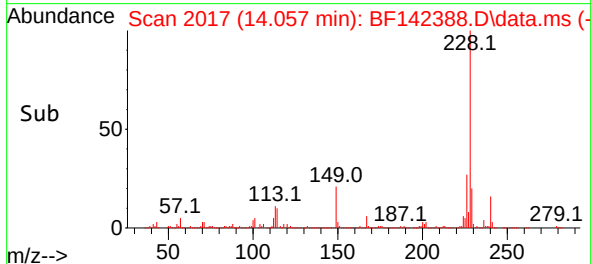
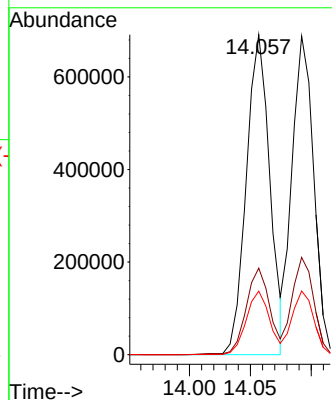
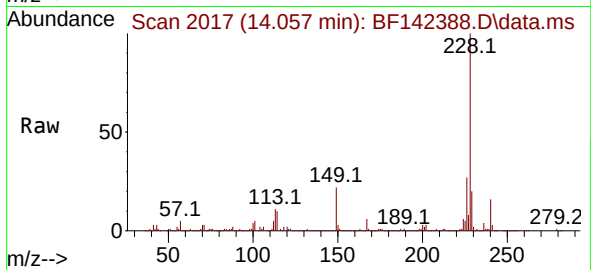




#81
Benzo(a)anthracene
Concen: 46.232 ng
RT: 14.057 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

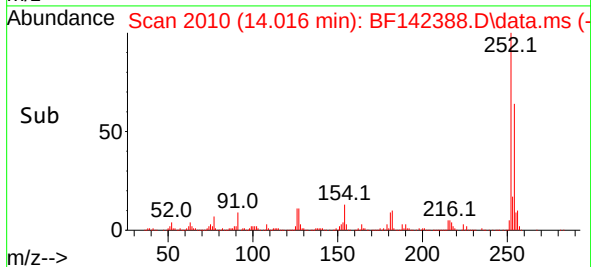
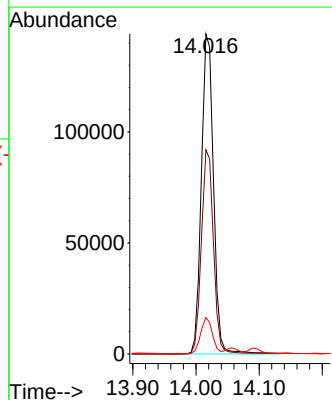
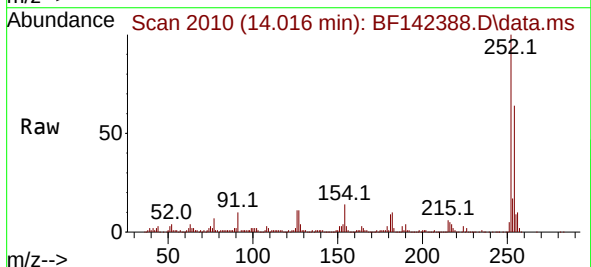
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

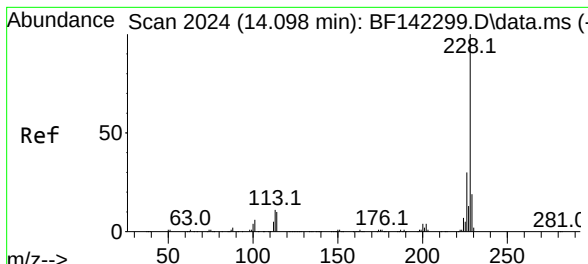
Tgt Ion:228 Resp: 928873
Ion Ratio Lower Upper
228 100
226 27.0 21.5 32.3
229 19.9 15.9 23.9



#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



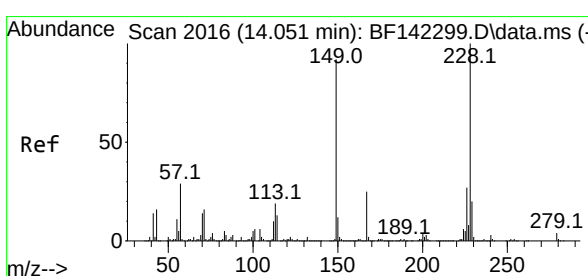
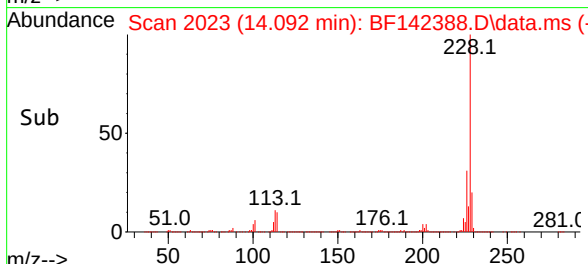
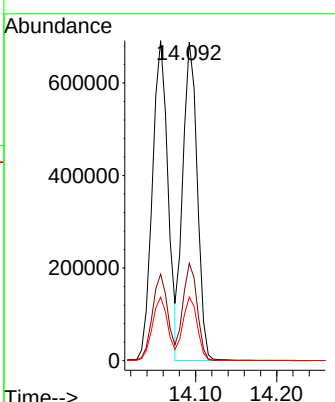
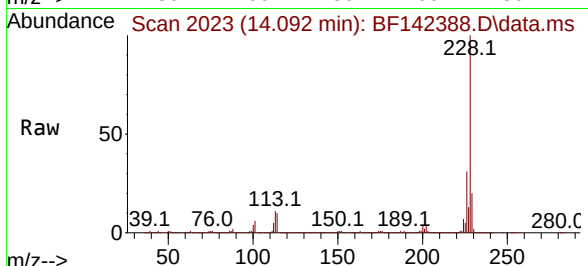


#83
 Chrysene
 Concen: 45.552 ng
 RT: 14.092 min Scan# 2015
 Delta R.T. -0.006 min
 Lab File: BF142388.D
 Acq: 15 May 2025 12:18

Instrument :
 BNA_F
 ClientSampleId :
 MW-3-20250508MS

Tgt Ion:228 Resp: 851984

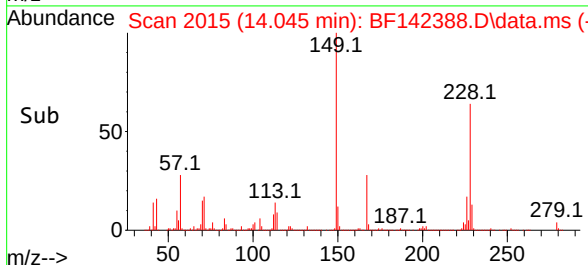
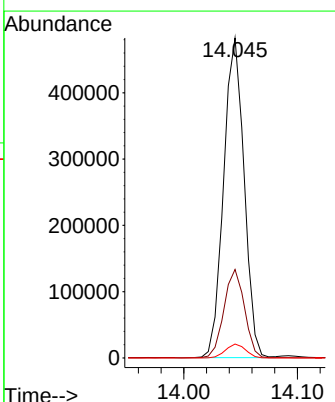
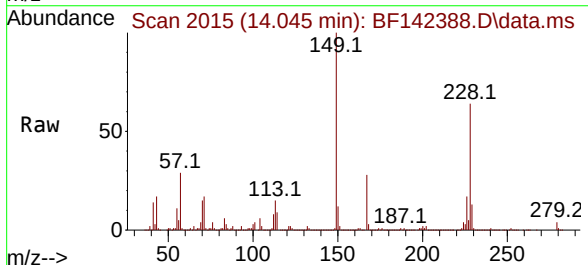
Ion	Ratio	Lower	Upper
228	100		
226	30.5	23.9	35.9
229	20.0	15.4	23.2

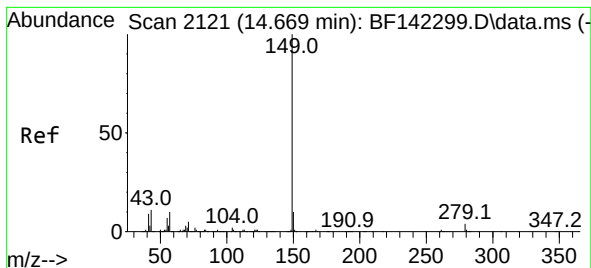


#84
 Bis(2-ethylhexyl)phthalate
 Concen: 56.725 ng
 RT: 14.045 min Scan# 2015
 Delta R.T. -0.006 min
 Lab File: BF142388.D
 Acq: 15 May 2025 12:18

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# 2119

Delta R.T. -0.012 min

Lab File: BF142388.D

Acq: 15 May 2025 12:18

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MS

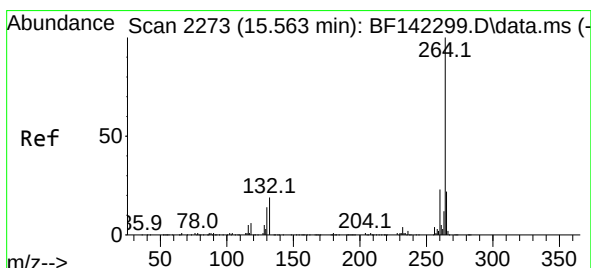
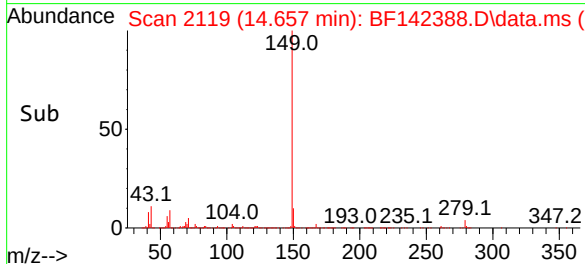
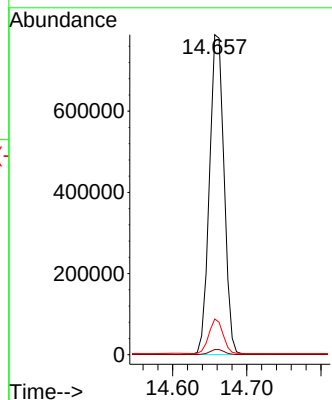
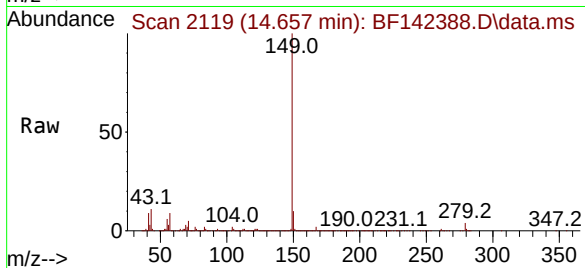
Tgt Ion:149 Resp: 1077874

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

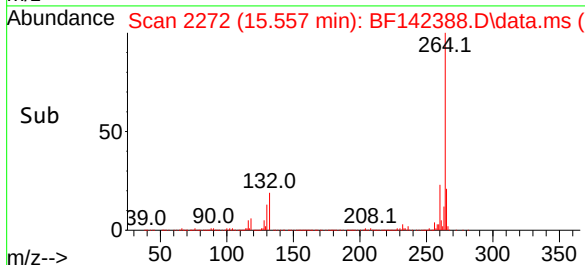
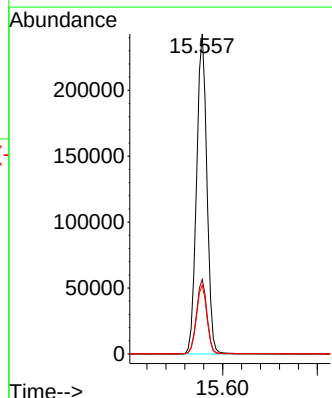
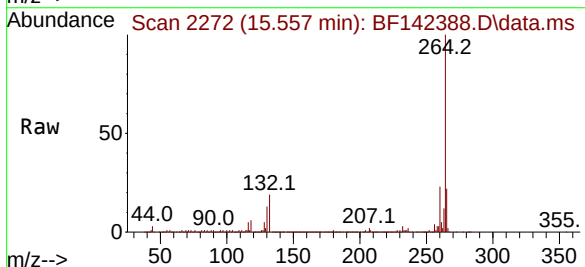
Tgt Ion:264 Resp: 367976

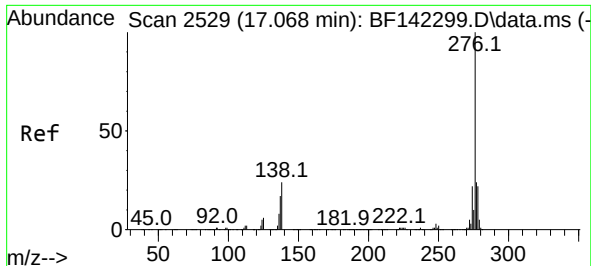
Ion Ratio Lower Upper

264 100

260 23.3 18.6 27.8

265 21.5 17.5 26.3

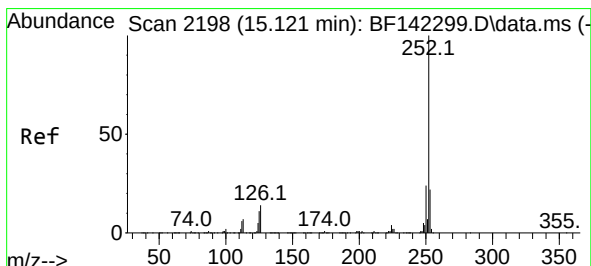
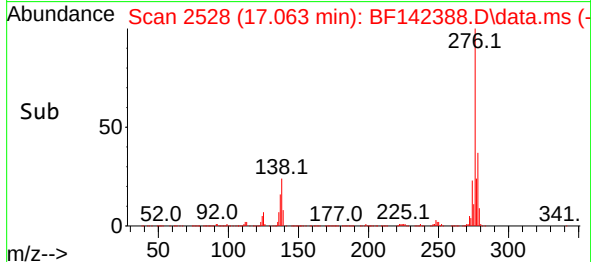
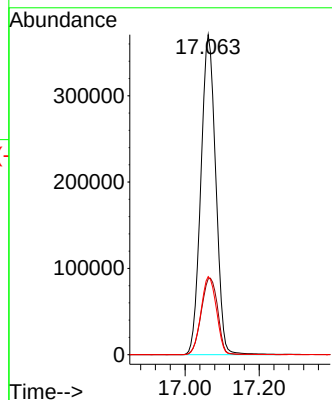
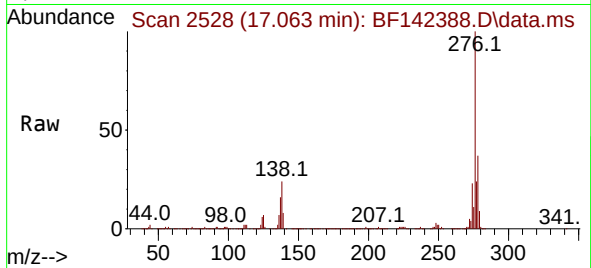




#87
Indeno(1,2,3-cd)pyrene
Concen: 40.337 ng
RT: 17.063 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

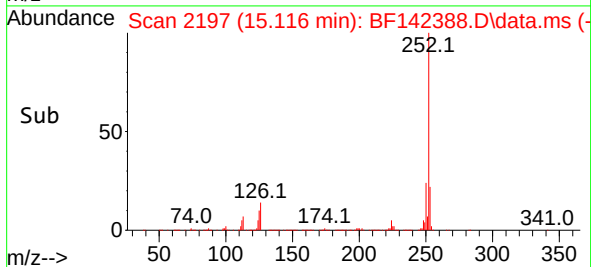
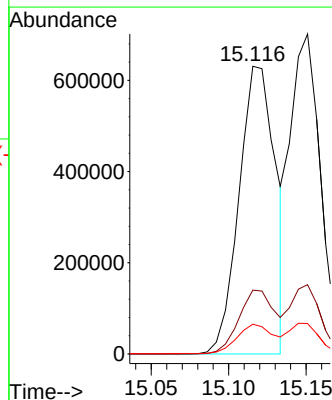
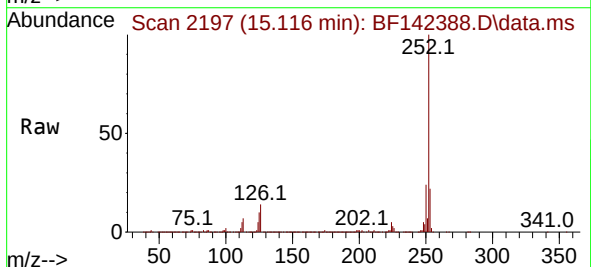
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

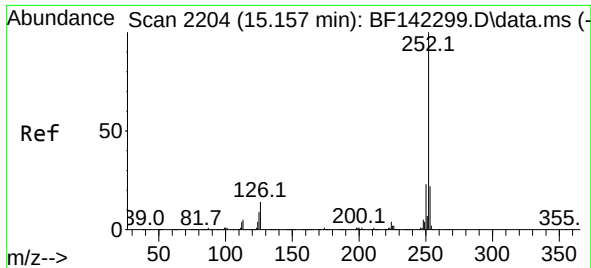
Tgt Ion:276 Resp: 1032531
Ion Ratio Lower Upper
276 100
138 26.2 22.0 33.0
277 25.5 20.1 30.1



#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

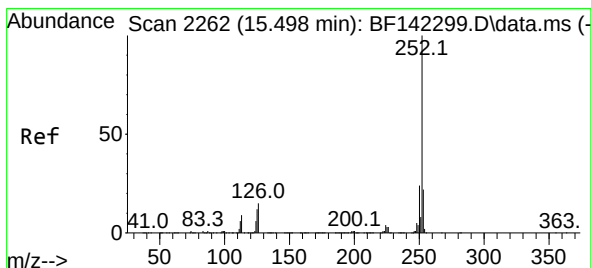
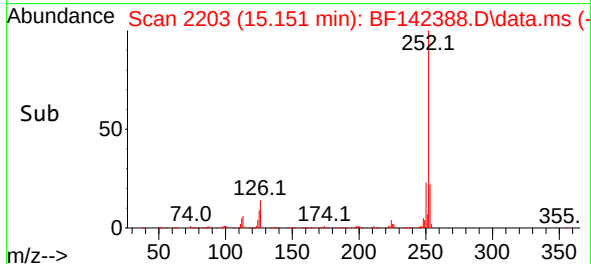
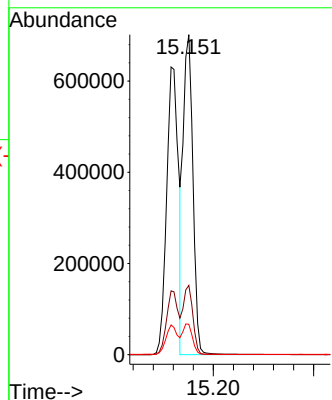
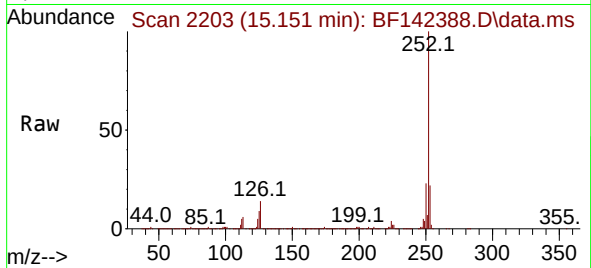




#89
Benzo(k)fluoranthene
Concen: 46.383 ng
RT: 15.151 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

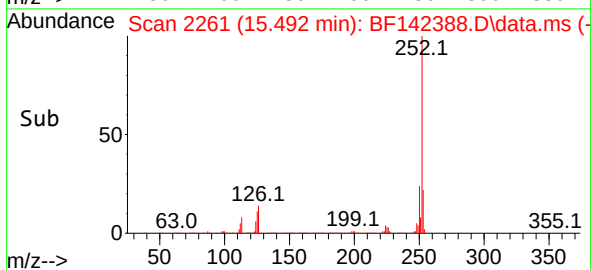
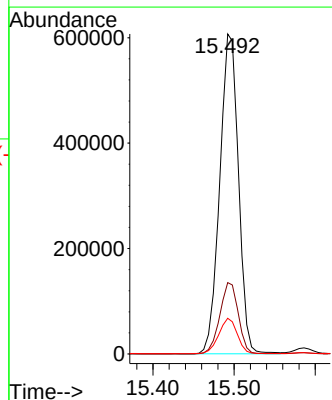
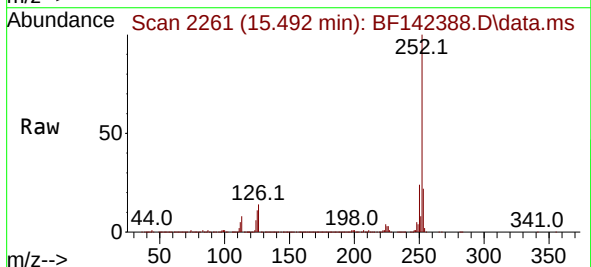
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

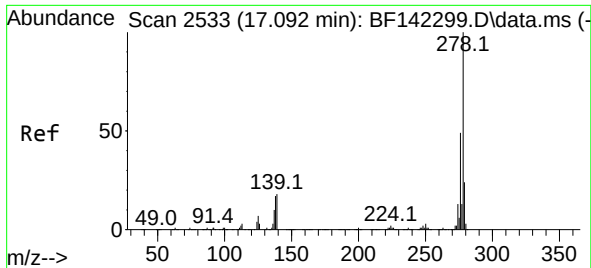
Tgt Ion:252 Resp: 946000
Ion Ratio Lower Upper
252 100
253 21.7 17.6 26.4
125 9.5 8.1 12.1



#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

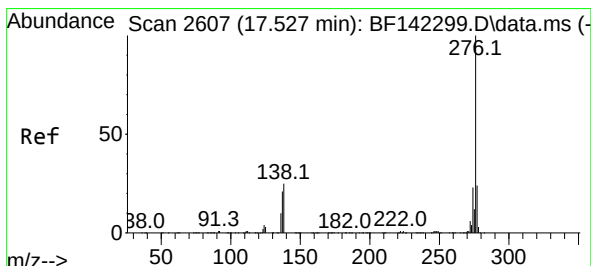
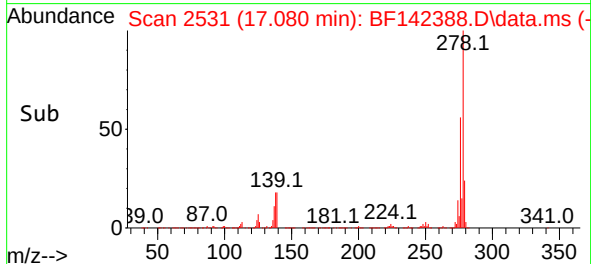
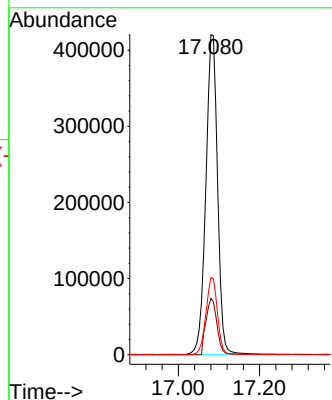
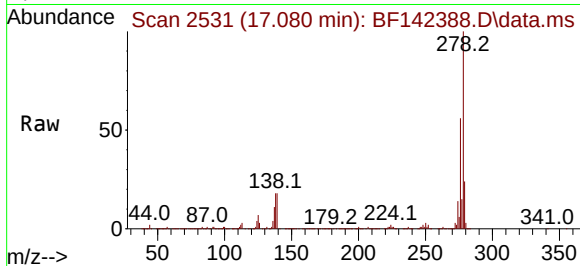




#91
Dibenzo(a,h)anthracene
Concen: 39.856 ng
RT: 17.080 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF142388.D
Acq: 15 May 2025 12:18

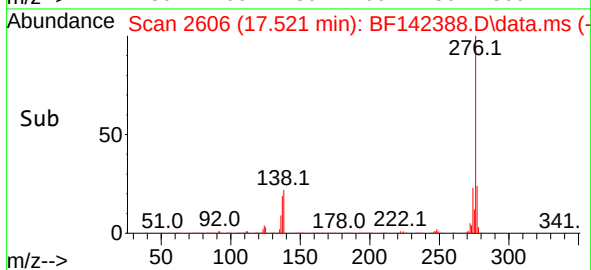
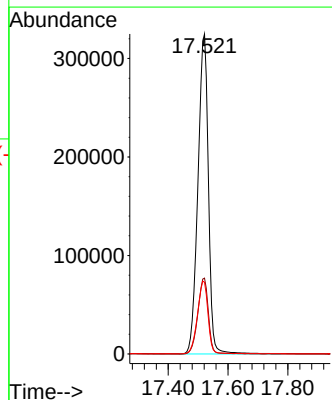
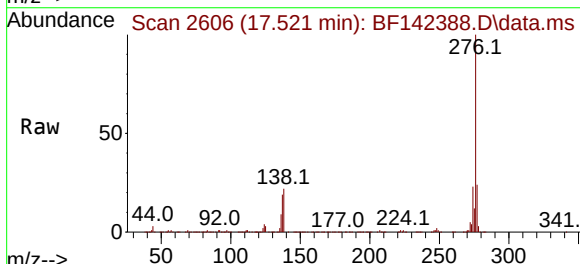
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MS

Tgt Ion: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



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

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

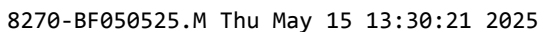
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 ClientSampleId :
 MW-3-20250508MSD

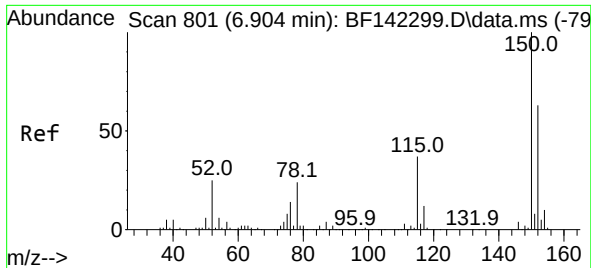
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon May 05 18:41:44 2025
 Response via : Initial Calibration

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

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

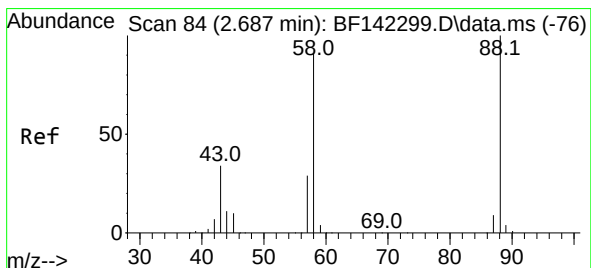
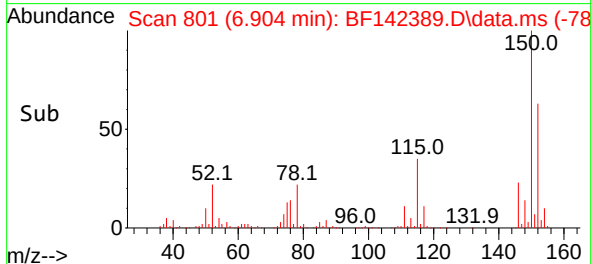
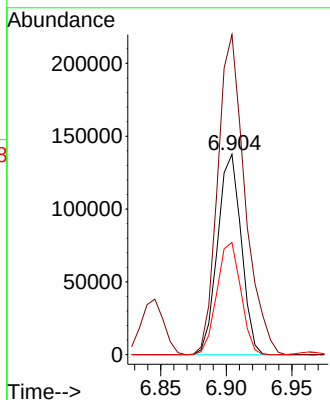
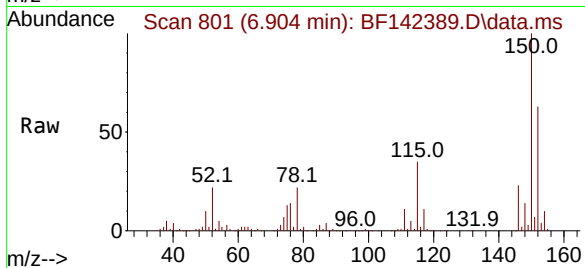




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.904 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: BF142389.D
 Acq: 15 May 2025 12:47

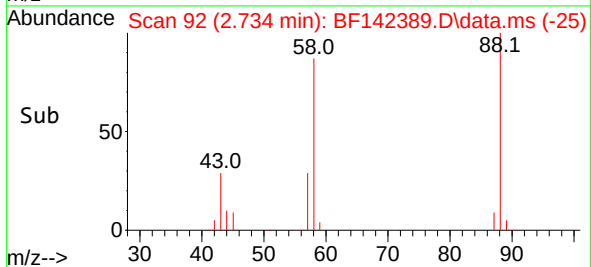
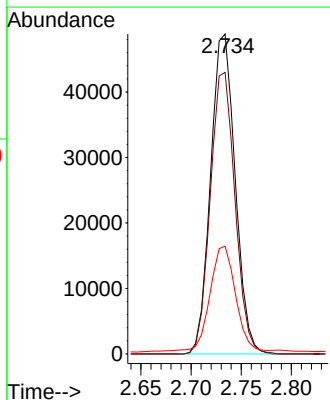
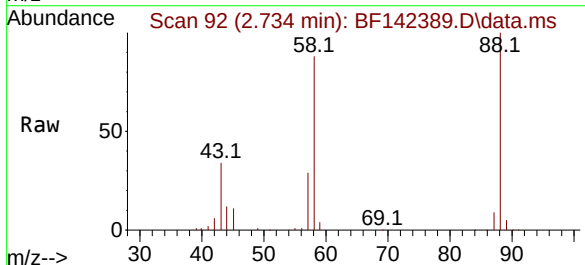
Instrument :
 BNA_F
 ClientSampleId :
 MW-3-20250508MSD

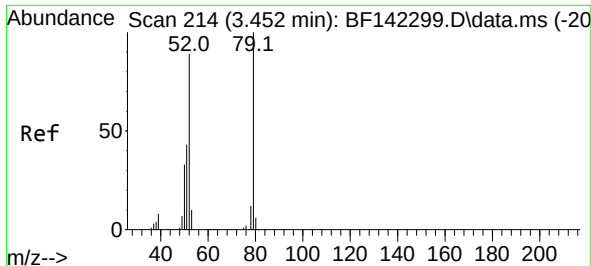
Tgt Ion:152 Resp: 172657
 Ion Ratio Lower Upper
 152 100
 150 159.7 126.6 190.0
 115 56.0 47.3 70.9



#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

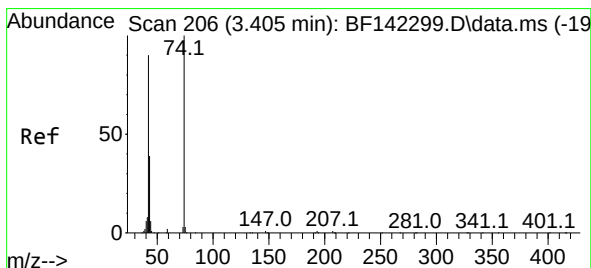
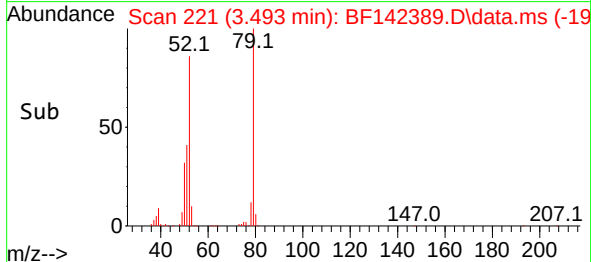
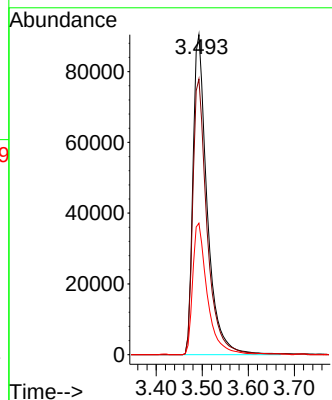
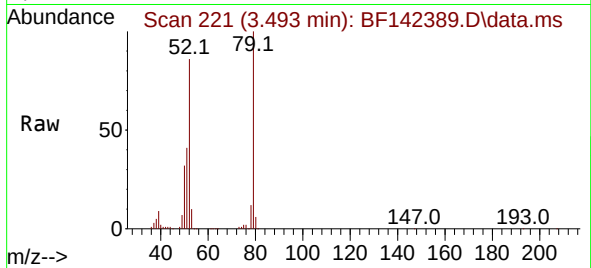




#3
Pyridine
Concen: 18.120 ng
RT: 3.493 min Scan# 211
Delta R.T. 0.041 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

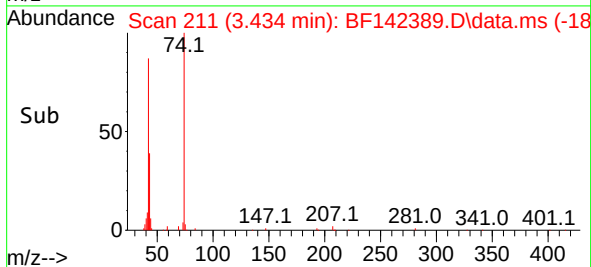
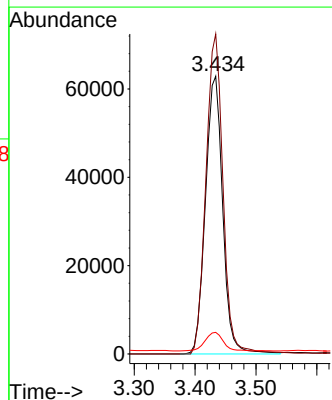
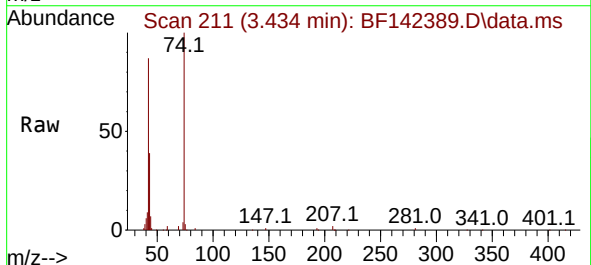
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

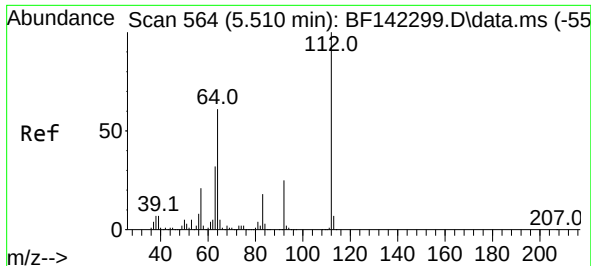
Tgt Ion: 79 Resp: 193764
Ion Ratio Lower Upper
79 100
52 86.1 71.0 106.4
51 41.1 34.9 52.3



#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

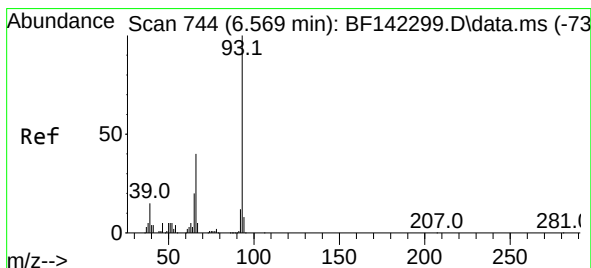
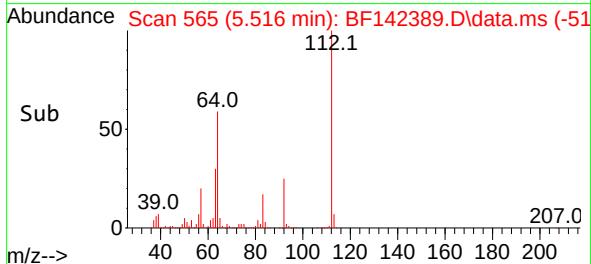
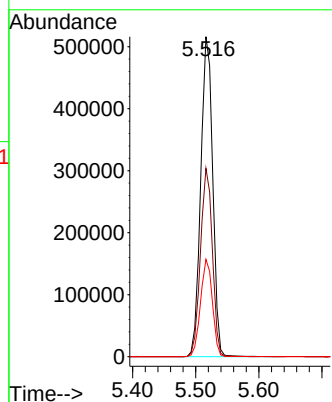
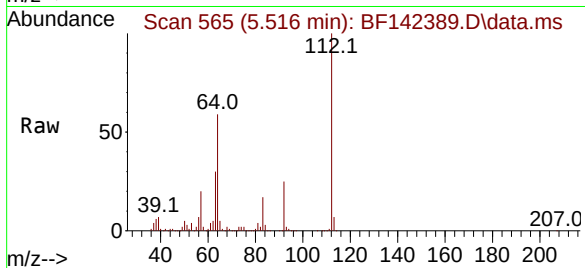




#5
2-Fluorophenol
Concen: 67.192 ng
RT: 5.516 min Scan# 50
Delta R.T. 0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

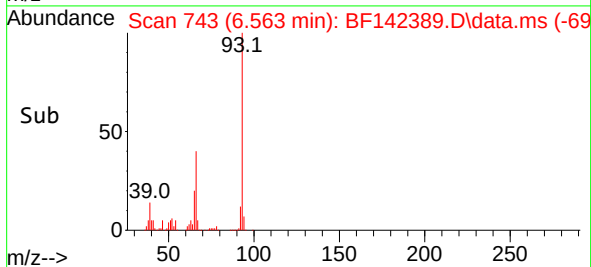
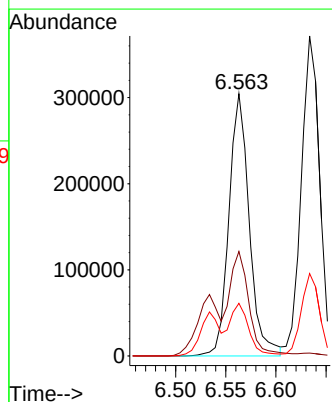
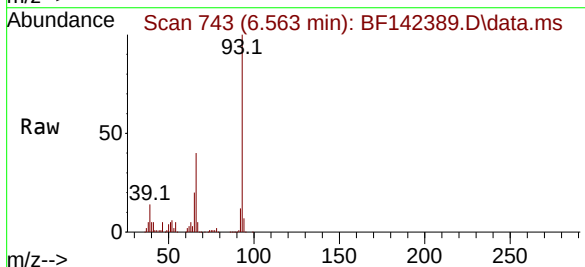
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ClientSampleId :
MW-3-20250508MSD

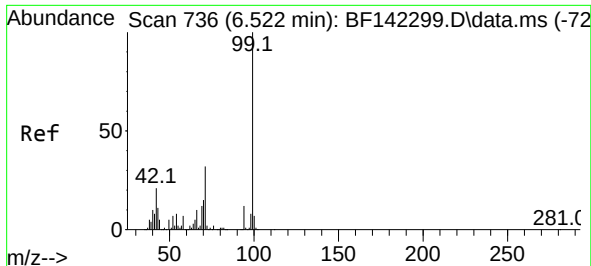
Tgt Ion:112 Resp: 679597
Ion Ratio Lower Upper
112 100
64 58.9 48.9 73.3
63 30.4 25.6 38.4



#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

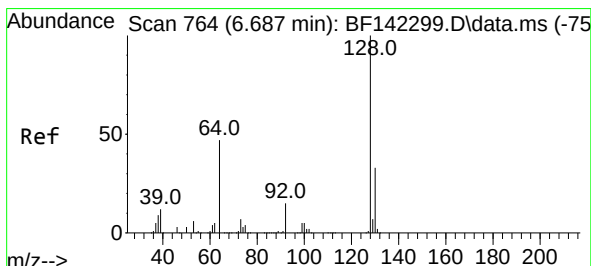
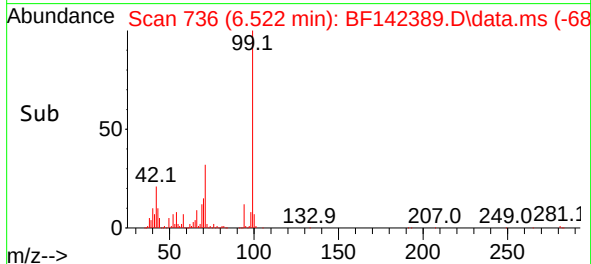
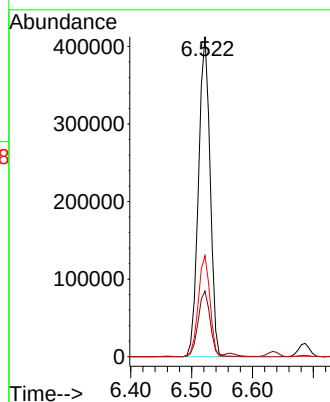
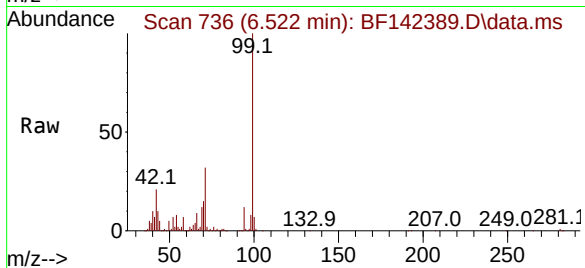




#7
Phenol-d6
Concen: 43.874 ng
RT: 6.522 min Scan# 736
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

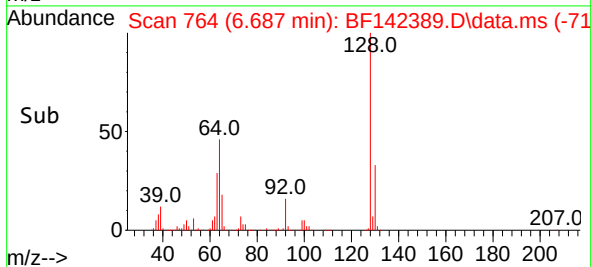
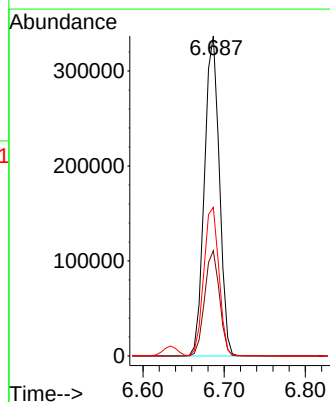
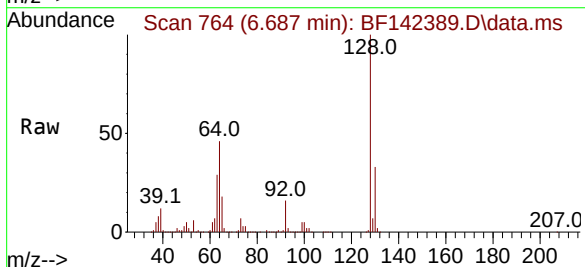
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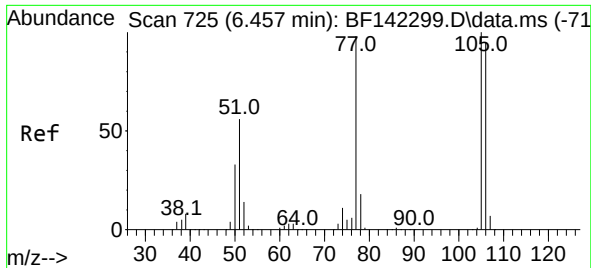
Tgt Ion: 99 Resp: 545778
Ion Ratio Lower Upper
99 100
42 20.5 17.0 25.4
71 31.6 25.8 38.8



#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

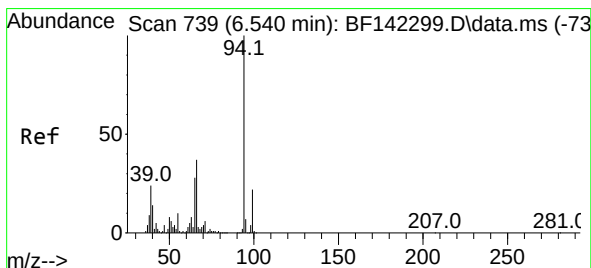
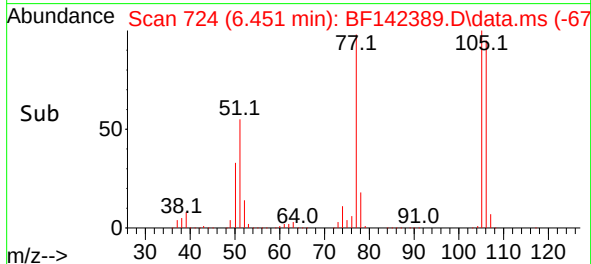
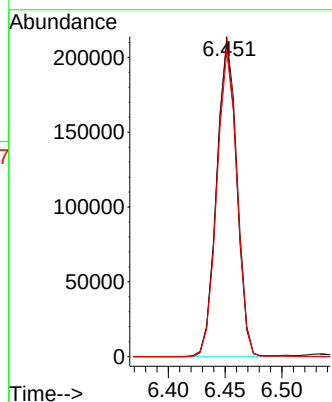
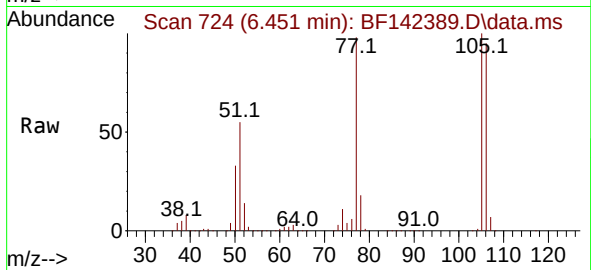




#9
Benzaldehyde
Concen: 35.605 ng
RT: 6.451 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

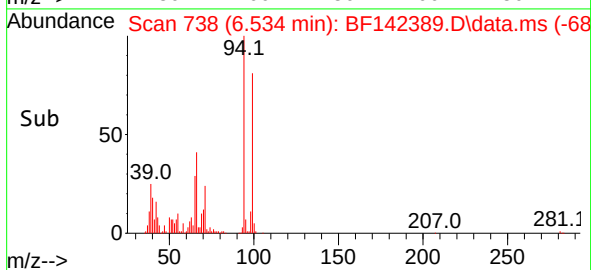
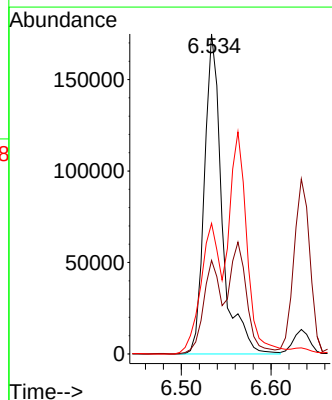
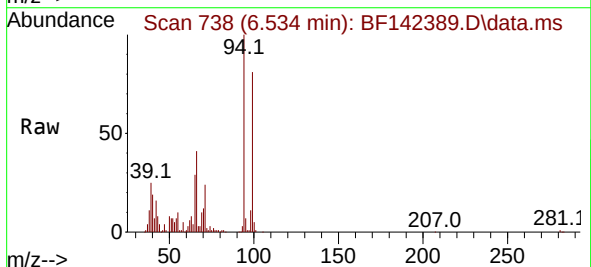
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

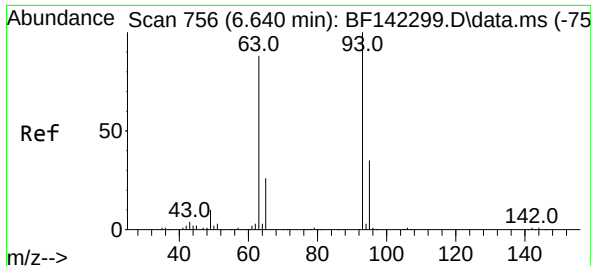
Tgt Ion: 77 Resp: 259230
Ion Ratio Lower Upper
77 100
105 101.6 82.0 122.0
106 96.8 77.2 117.2



#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

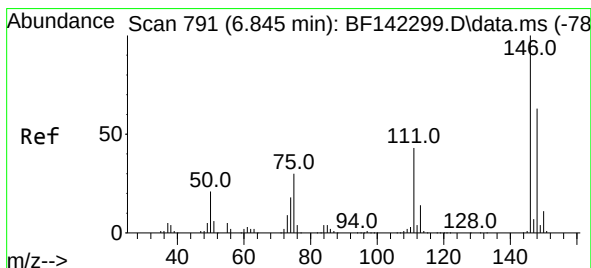
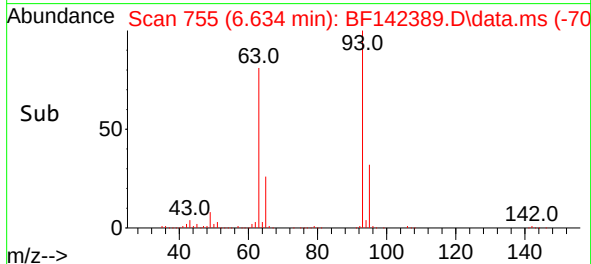
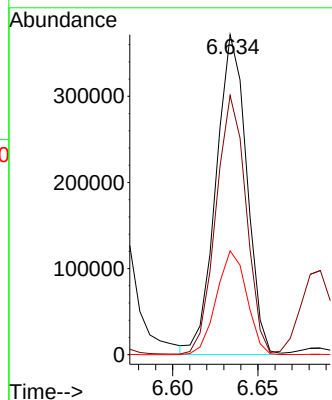
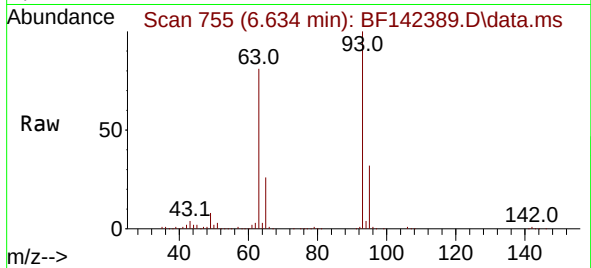




#11
bis(2-Chloroethyl)ether
Concen: 35.803 ng
RT: 6.634 min Scan# 711
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

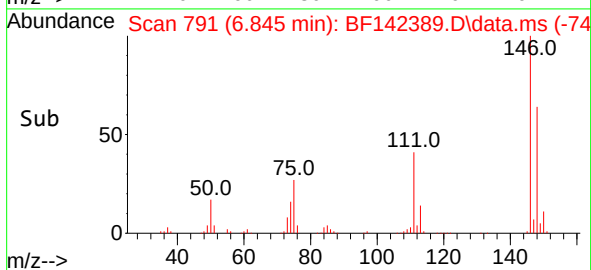
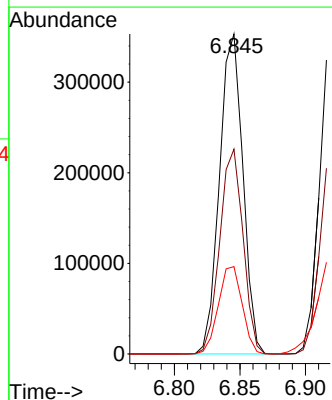
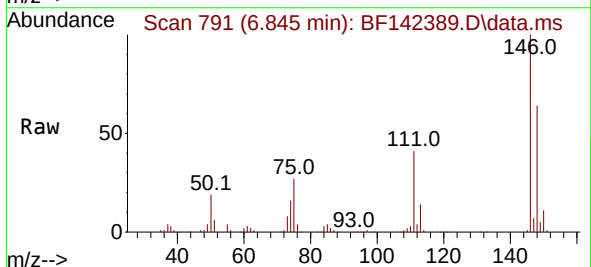
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

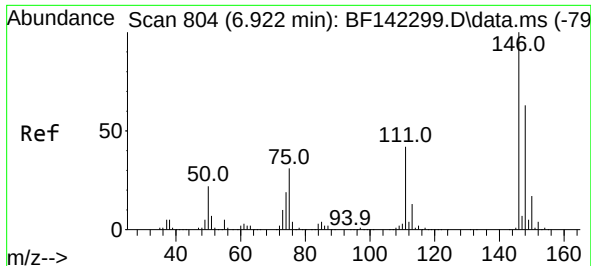
Tgt Ion: 93 Resp: 465560
Ion Ratio Lower Upper
93 100
63 81.0 58.4 98.4
95 32.4 10.6 50.6



#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# 804

Delta R.T. -0.000 min

Lab File: BF142389.D

Acq: 15 May 2025 12:47

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MSD

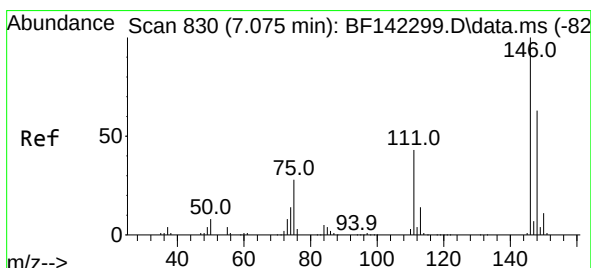
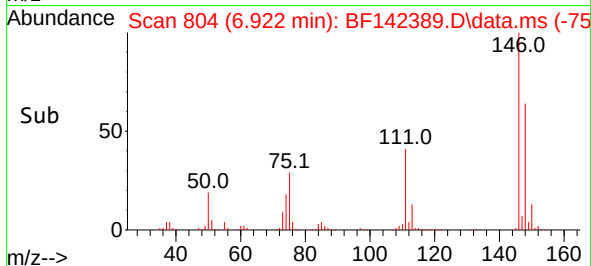
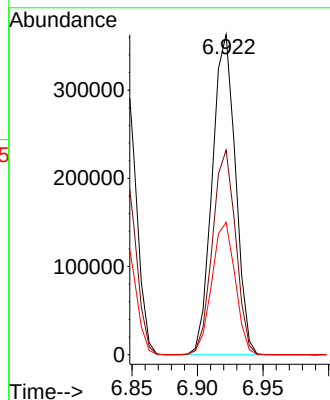
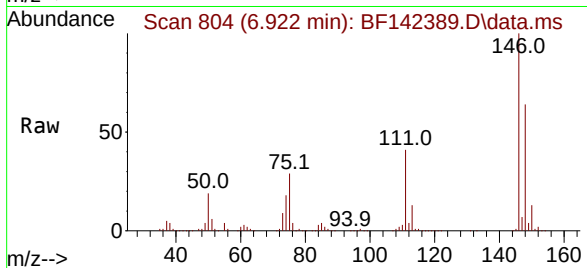
Tgt Ion:146 Resp: 447175

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

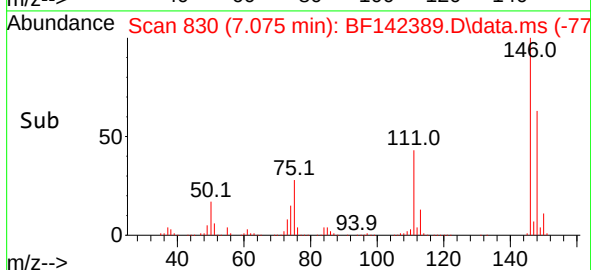
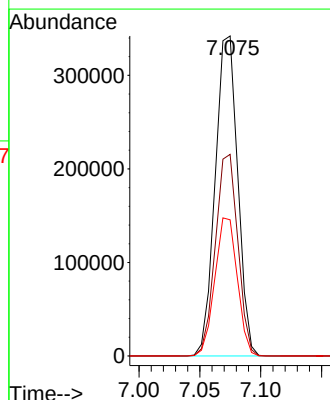
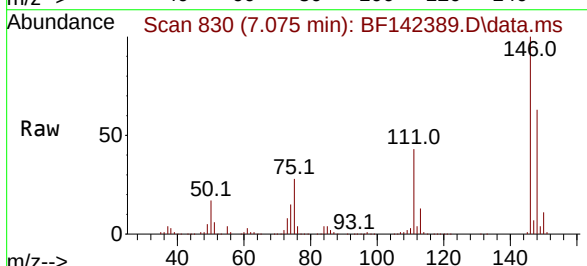
Tgt Ion:146 Resp: 440362

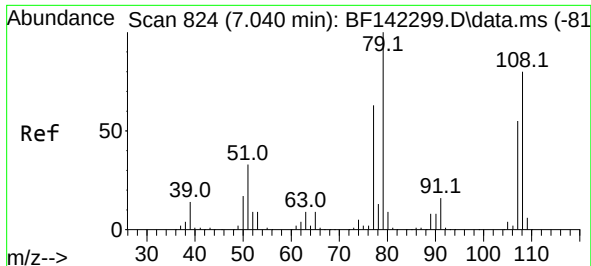
Ion Ratio Lower Upper

146 100

148 63.0 50.3 75.5

111 42.6 34.5 51.7



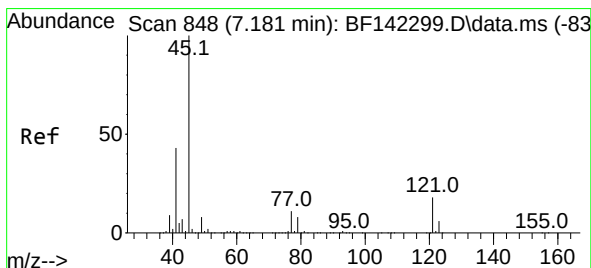
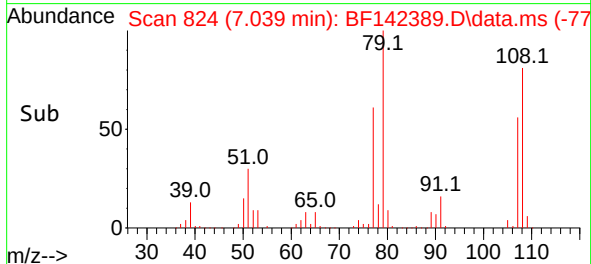
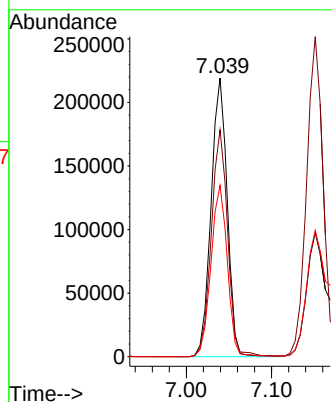
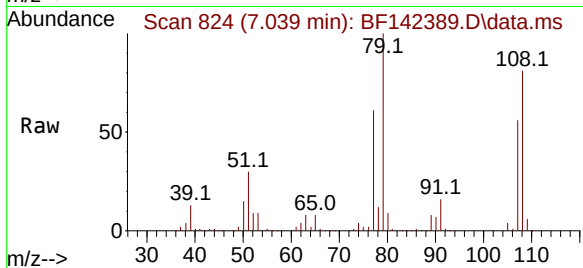


#15
Benzyl Alcohol
Concen: 35.835 ng
RT: 7.039 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion: 79 Resp: 288653

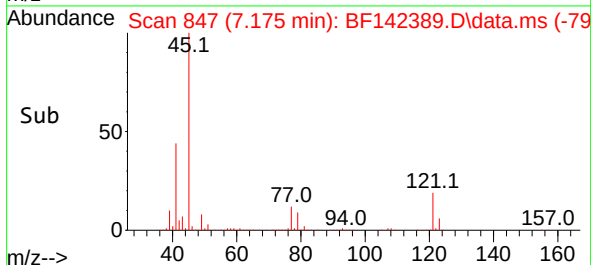
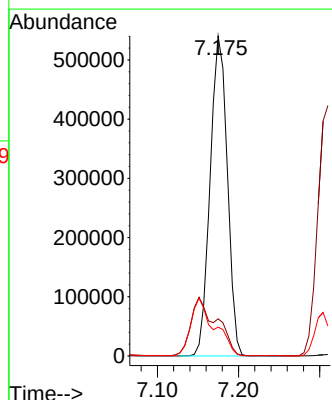
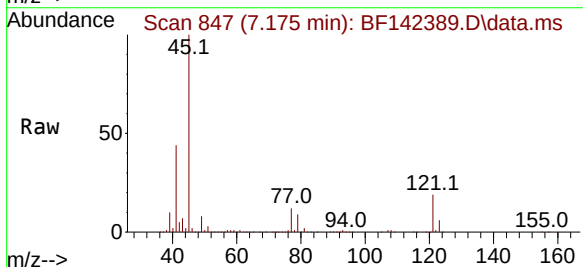
Ion	Ratio	Lower	Upper
79	100		
108	81.4	63.9	95.9
77	61.5	50.7	76.1

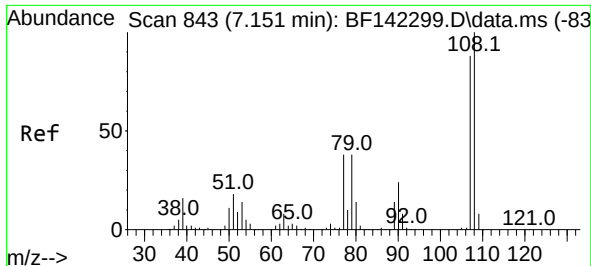


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.894 ng
RT: 7.175 min Scan# 847
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

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

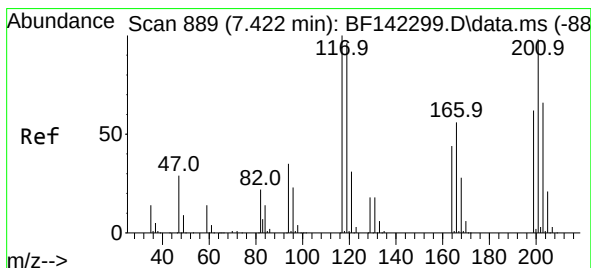
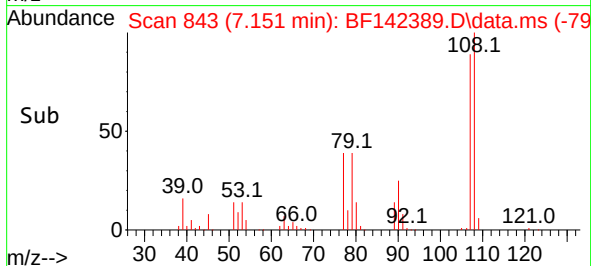
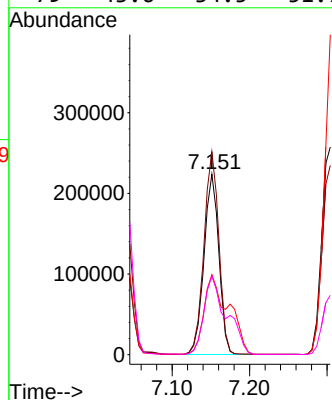
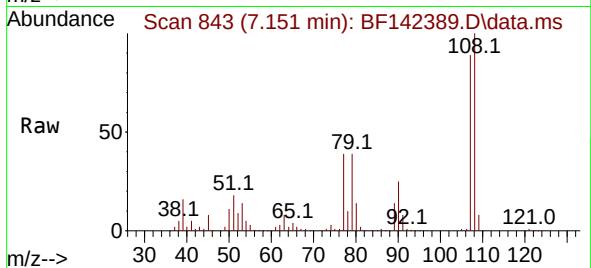




#17
2-Methylphenol
Concen: 34.126 ng
RT: 7.151 min Scan# 843
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

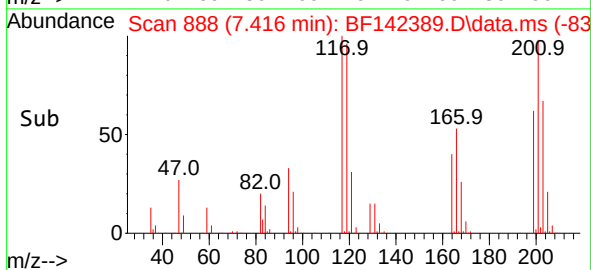
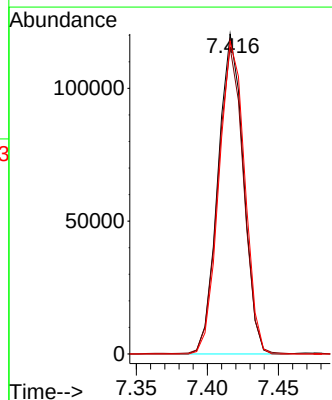
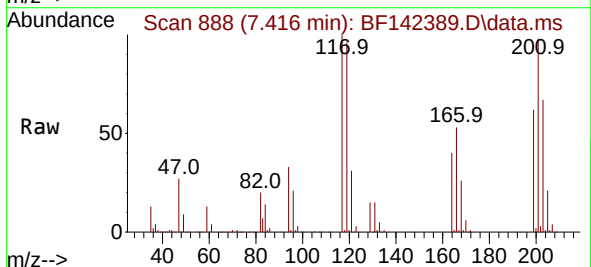
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

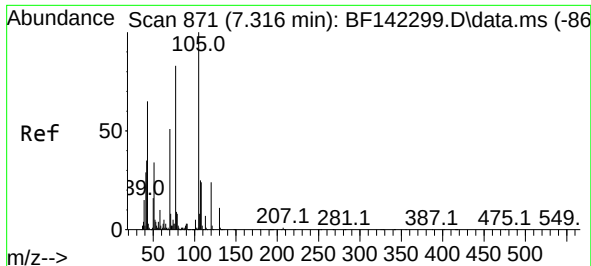
Tgt Ion:	107	Resp:	298612
Ion	Ratio	Lower	Upper
107	100		
108	112.5	91.1	136.7
77	44.4	34.7	52.1
79	43.6	34.5	51.7



#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



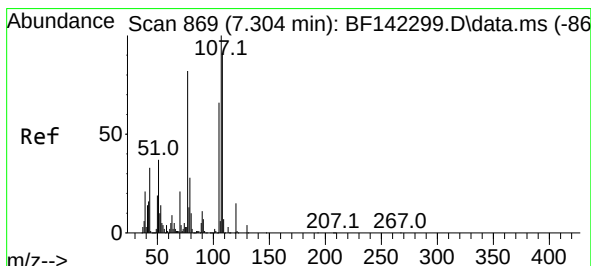
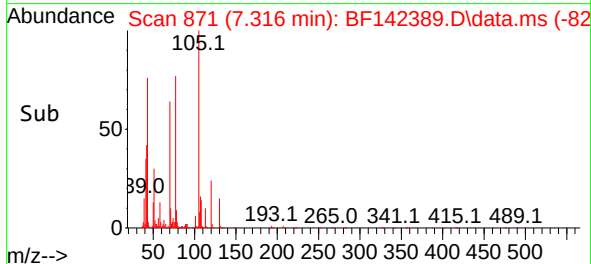
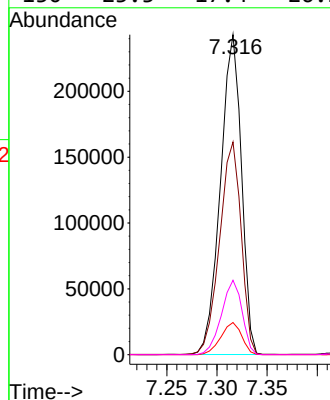
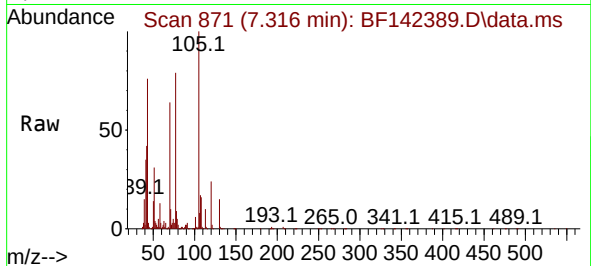


#19
n-Nitroso-di-n-propylamine
Concen: 45.840 ng
RT: 7.316 min Scan# 871
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion: 70 Resp: 352727

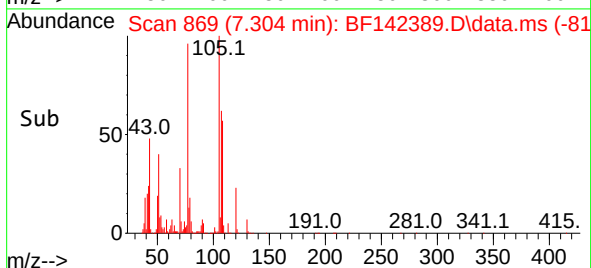
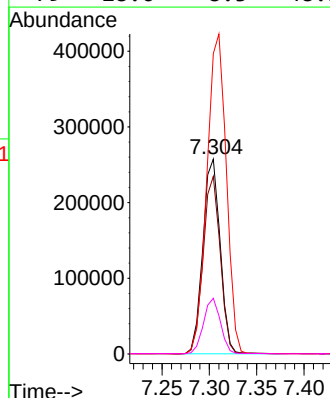
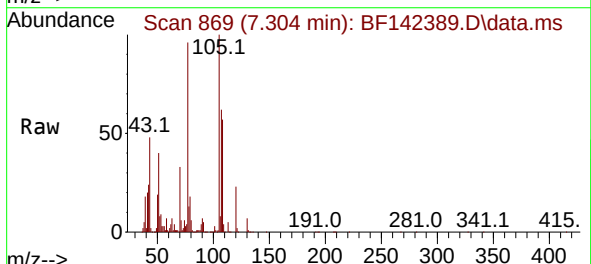
Ion	Ratio	Lower	Upper
70	100		
42	66.5	54.8	82.2
101	10.1	7.7	11.5
130	23.3	17.4	26.2

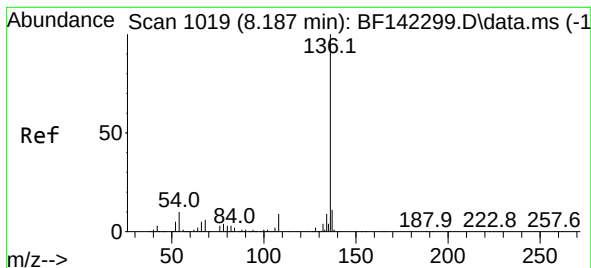


#20
3+4-Methylphenols
Concen: 29.985 ng
RT: 7.304 min Scan# 869
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

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

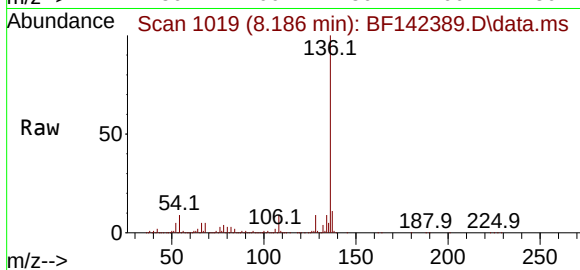
Acq: 15 May 2025 12:47

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MSD



Tgt Ion:136 Resp: 662026

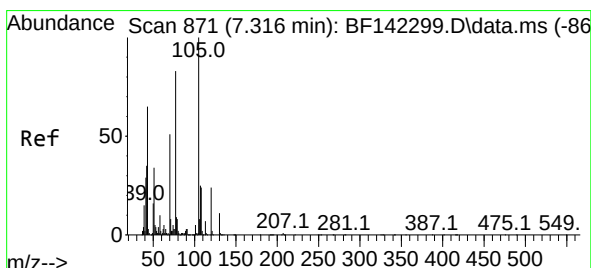
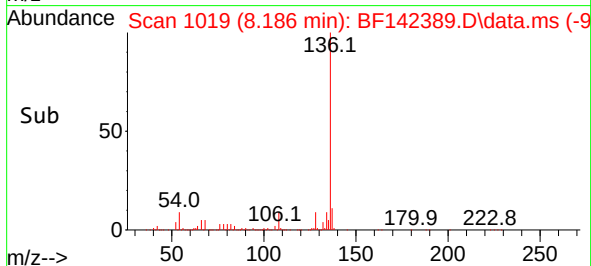
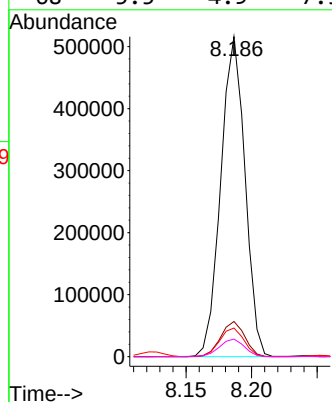
Ion Ratio Lower Upper

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

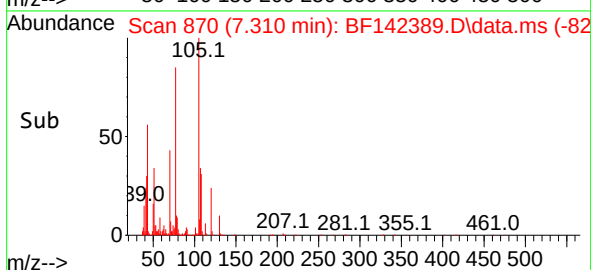
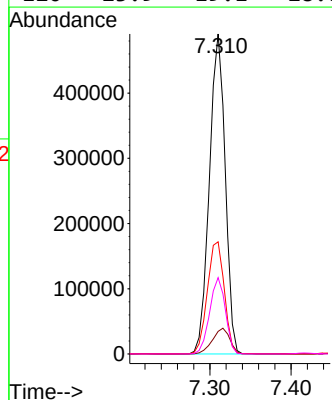
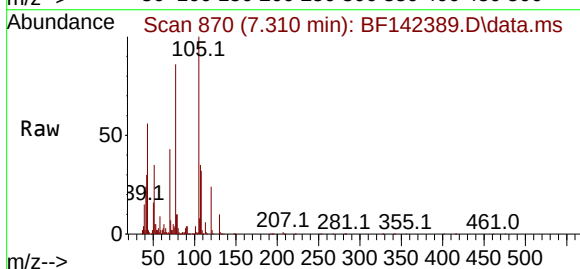
Ion Ratio Lower Upper

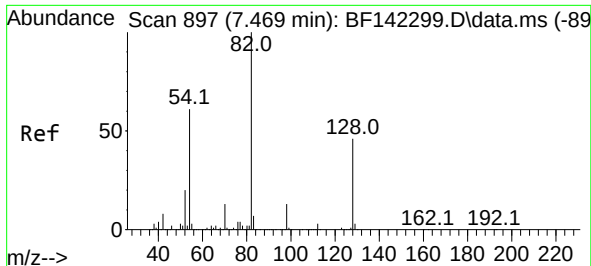
105 100

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# 89

Delta R.T. -0.000 min

Lab File: BF142389.D

Acq: 15 May 2025 12:47

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MSD

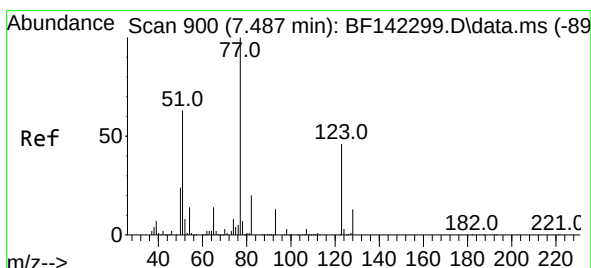
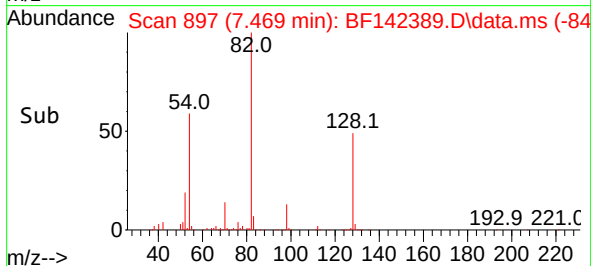
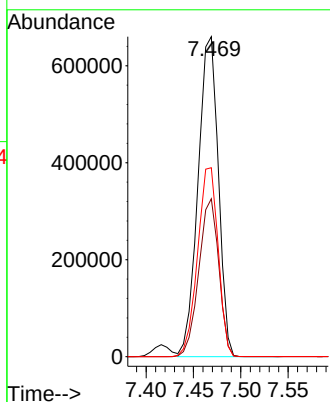
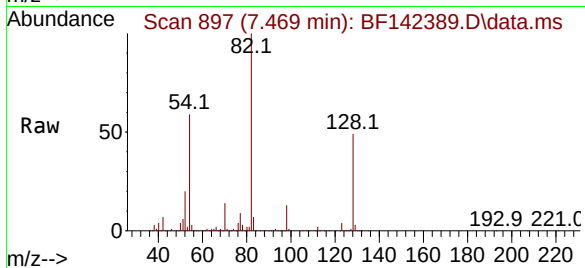
Tgt Ion: 82 Resp: 981708

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

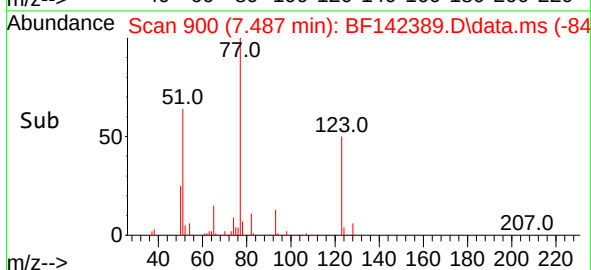
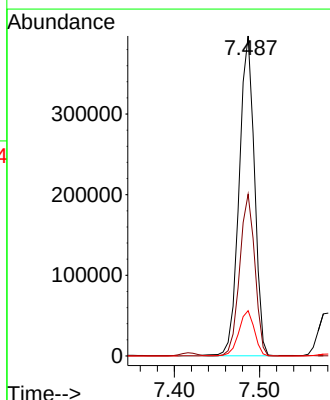
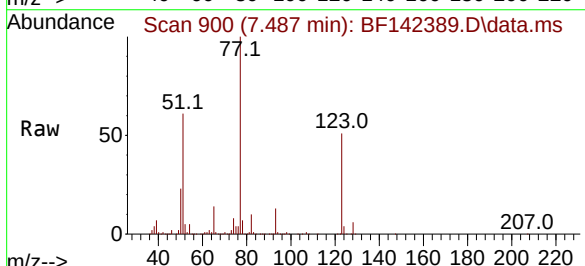
Tgt Ion: 77 Resp: 494951

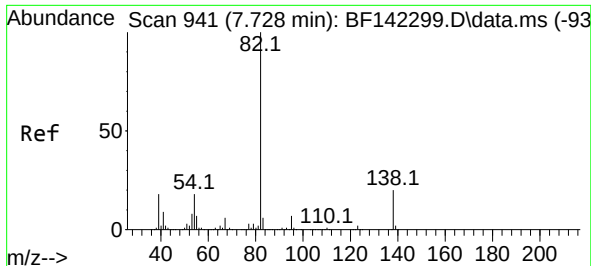
Ion Ratio Lower Upper

77 100

123 50.6 37.8 56.8

65 14.1 11.4 17.0

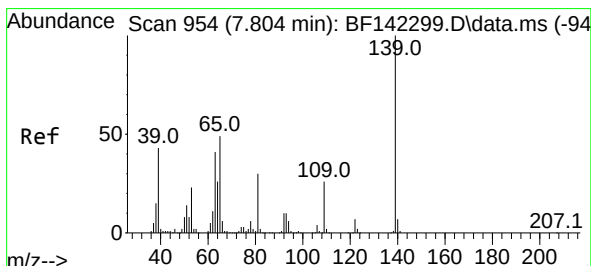
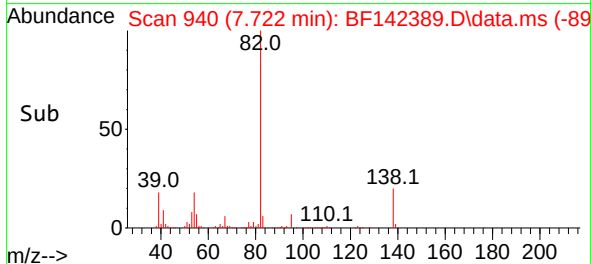
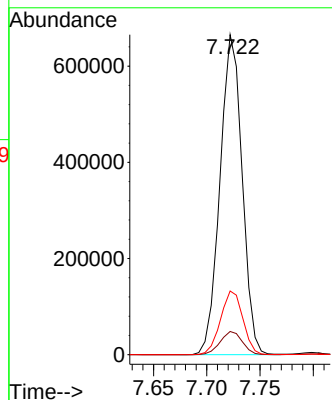
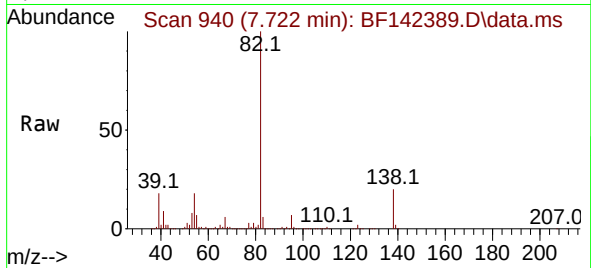




#25
Isophorone
Concen: 46.768 ng
RT: 7.722 min Scan# 941
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

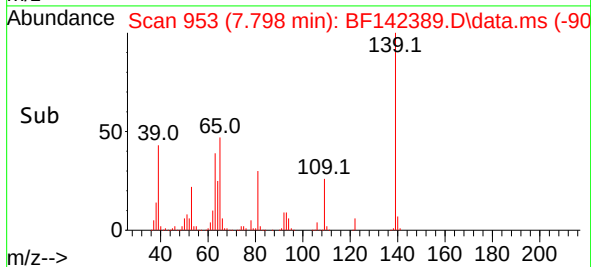
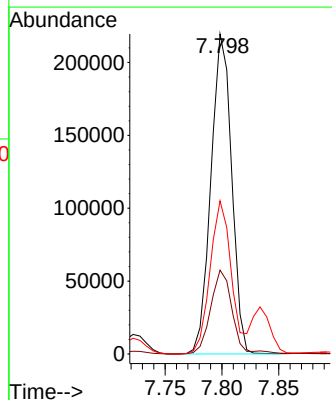
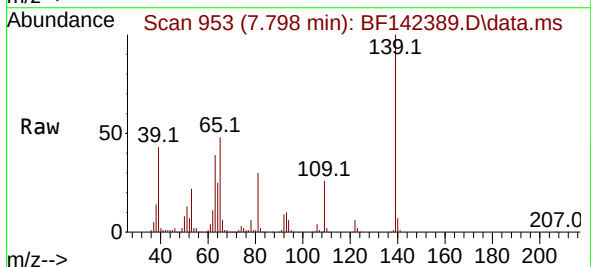
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

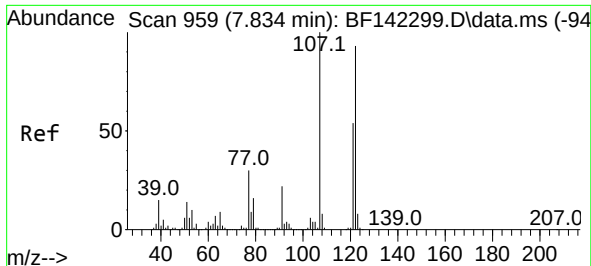
Tgt Ion: 82 Resp: 961365
Ion Ratio Lower Upper
82 100
95 7.3 5.8 8.8
138 19.9 16.1 24.1



#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# 91

Delta R.T. -0.000 min

Lab File: BF142389.D

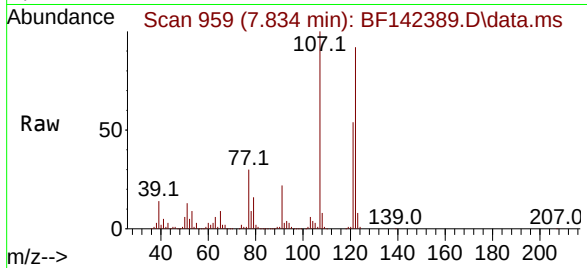
Acq: 15 May 2025 12:47

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MSD



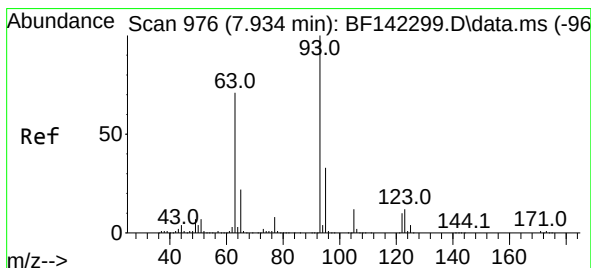
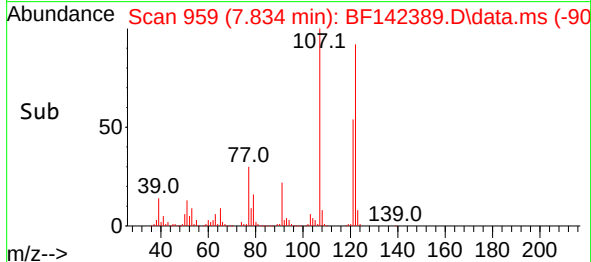
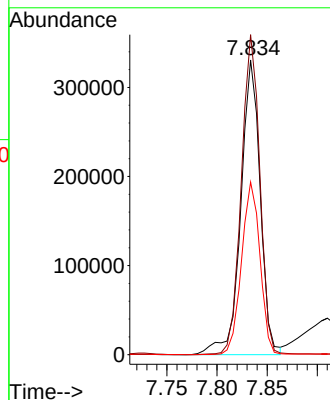
Tgt Ion:122 Resp: 447099

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

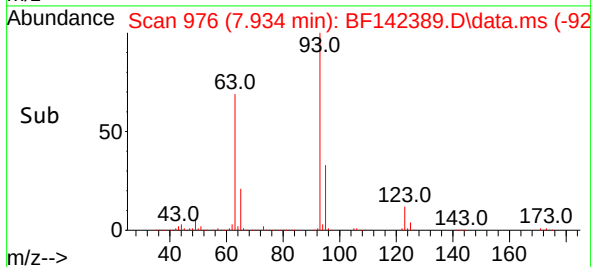
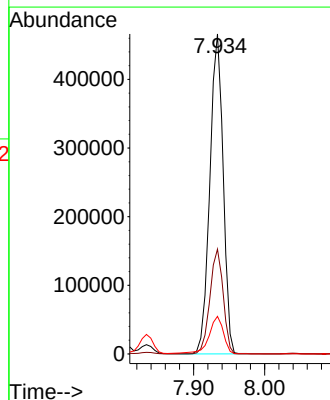
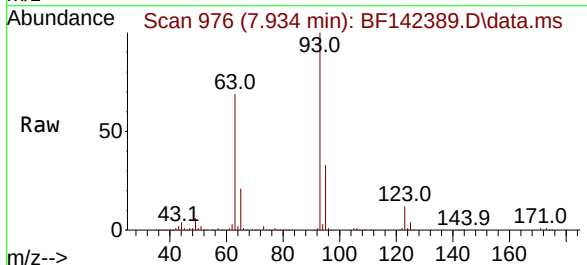
Tgt Ion: 93 Resp: 606692

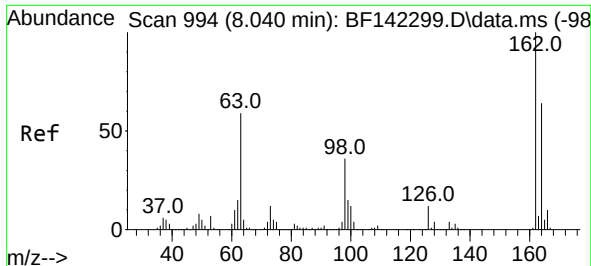
Ion Ratio Lower Upper

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# 994

Delta R.T. -0.000 min

Lab File: BF142389.D

Acq: 15 May 2025 12:47

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MSD

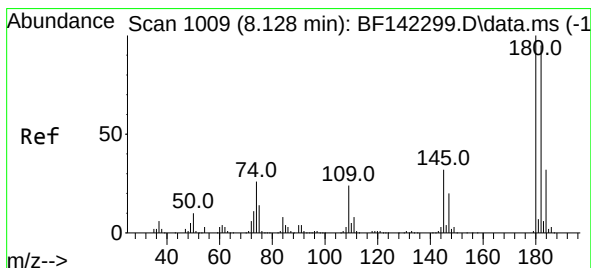
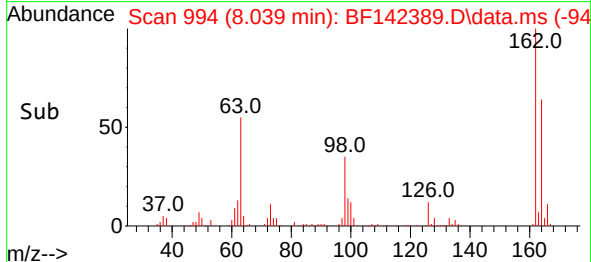
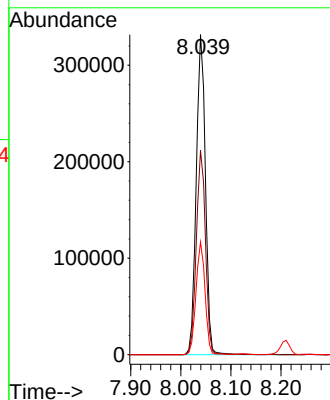
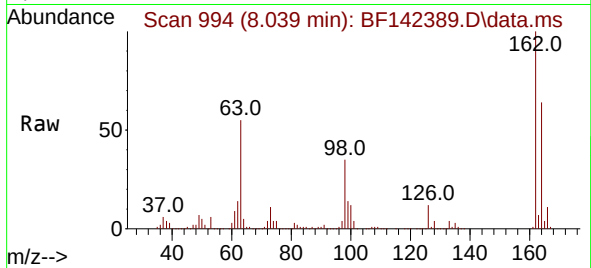
Tgt Ion:162 Resp: 420656

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

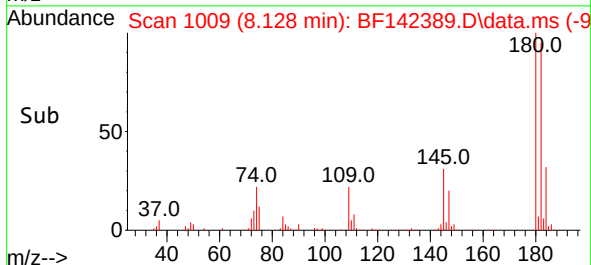
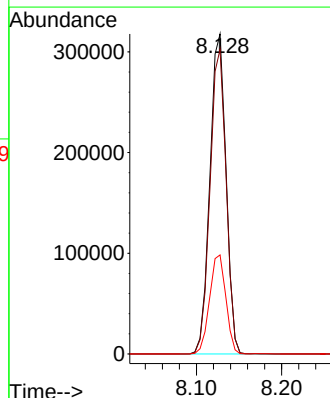
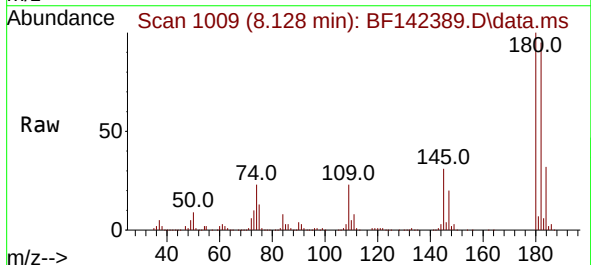
Tgt Ion:180 Resp: 418015

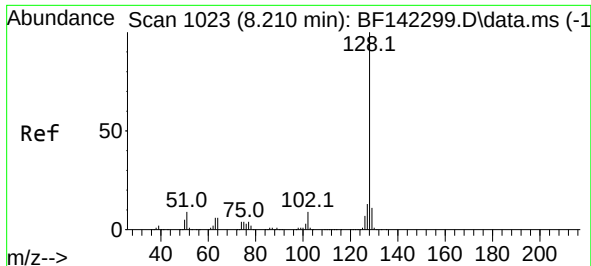
Ion Ratio Lower Upper

180 100

182 95.2 76.2 114.4

145 30.9 25.8 38.6

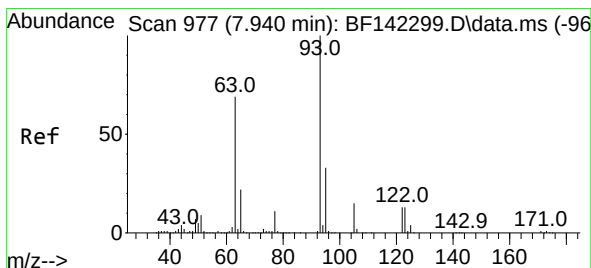
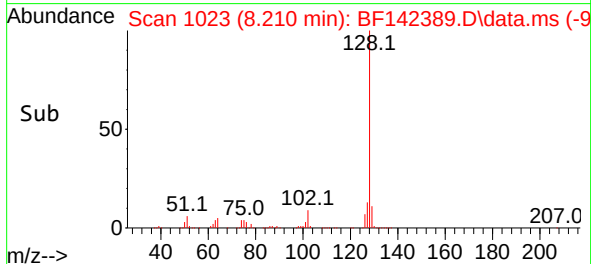
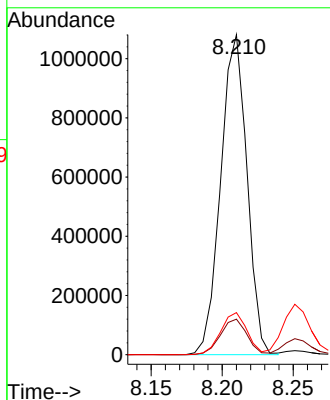
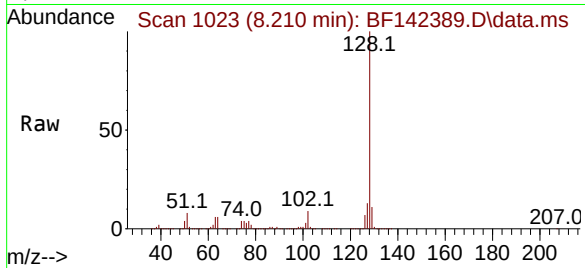




#31
Naphthalene
Concen: 43.310 ng
RT: 8.210 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

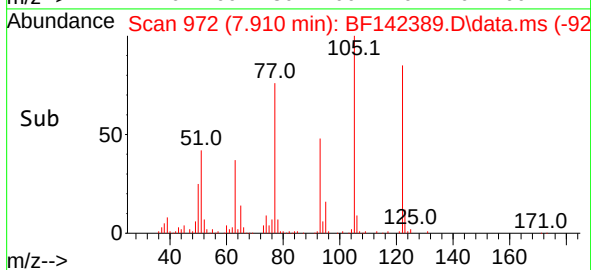
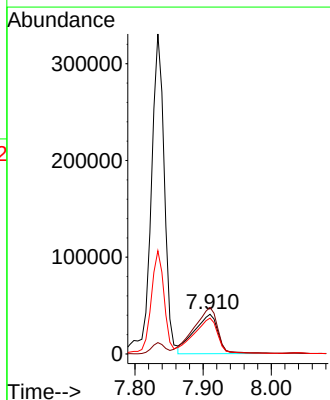
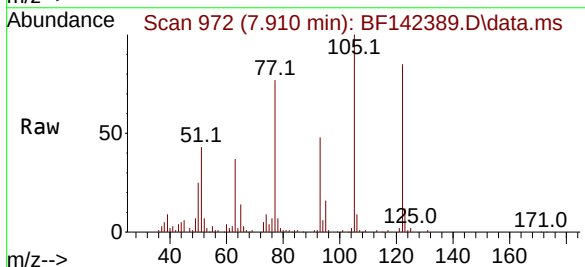
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

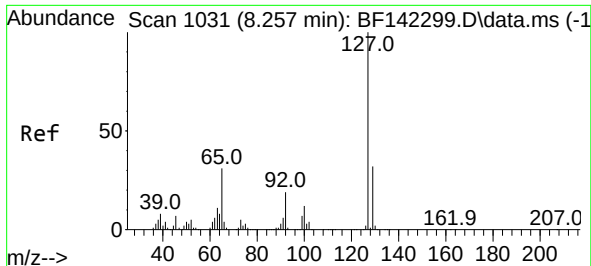
Tgt Ion:128 Resp: 1389634
Ion Ratio Lower Upper
128 100
129 11.1 9.1 13.7
127 13.2 10.5 15.7



#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

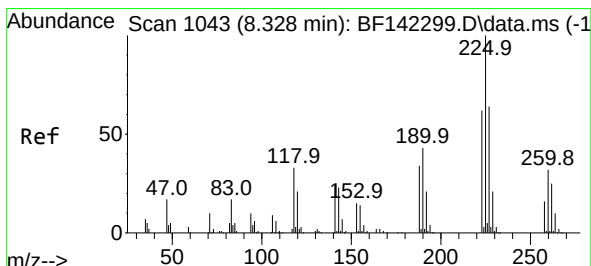
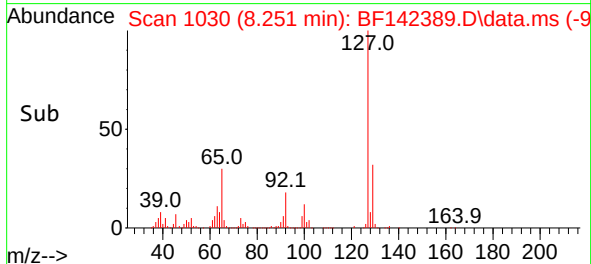
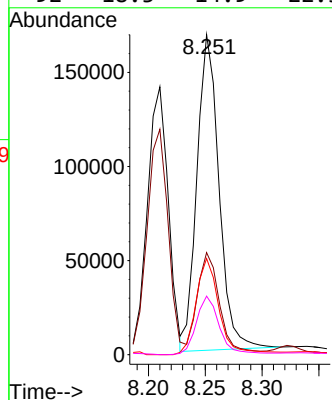
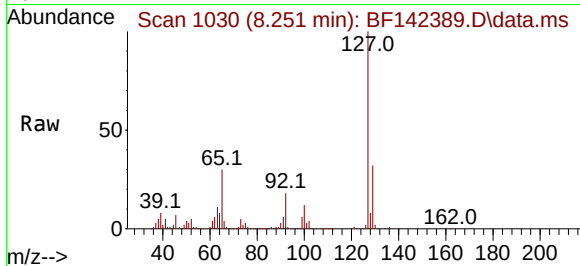




#33
4-Chloroaniline
Concen: 17.251 ng
RT: 8.251 min Scan# 1031
Delta R.T. -0.016 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

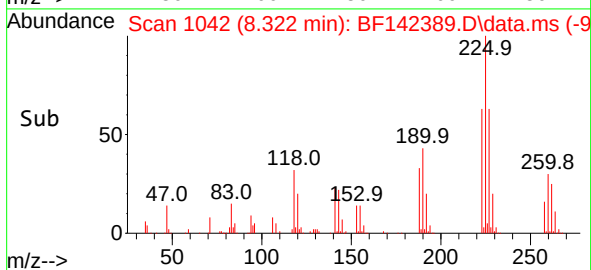
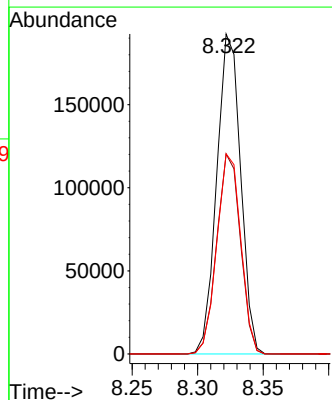
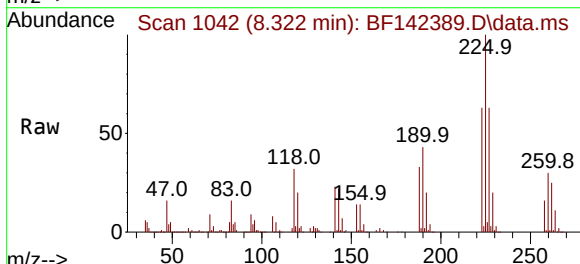
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

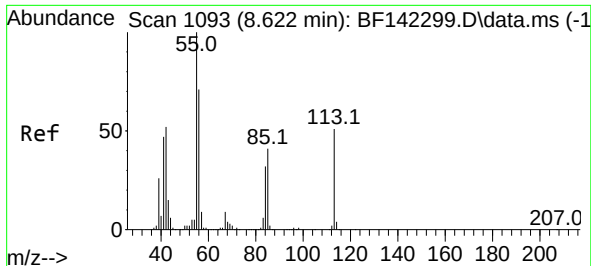
Tgt Ion:127	Resp: 225855
Ion Ratio	Lower Upper
127 100	
129 31.9	25.7 38.5
65 30.0	24.9 37.3
92 18.3	14.9 22.3



#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

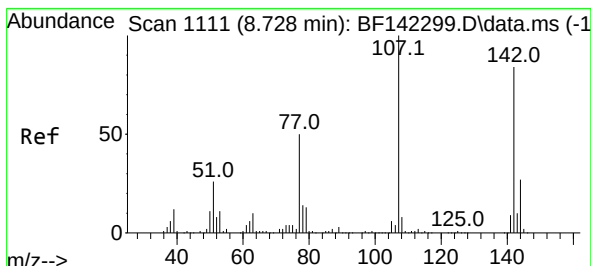
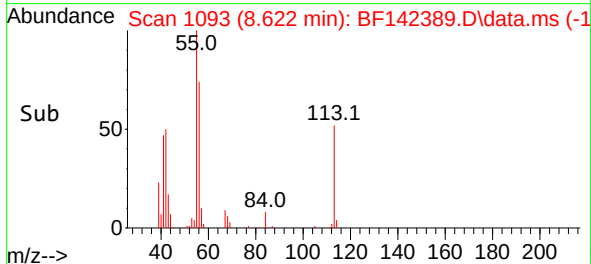
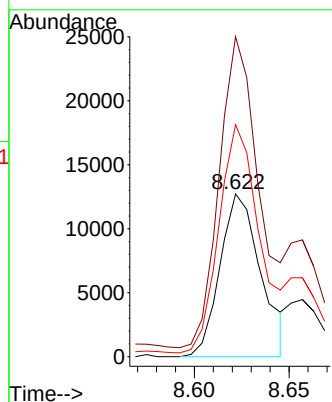
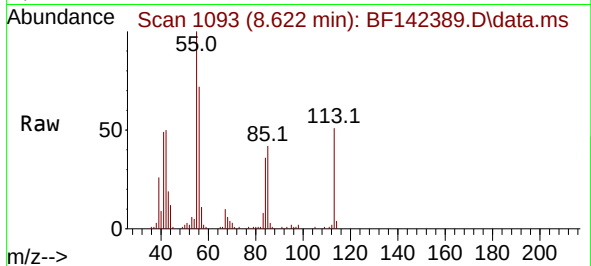




#35
Caprolactam
Concen: 7.408 ng
RT: 8.622 min Scan# 1109
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

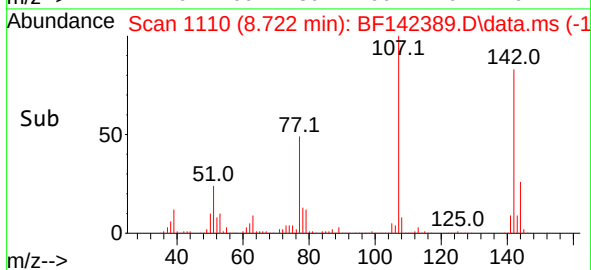
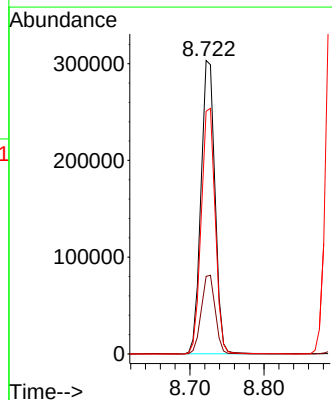
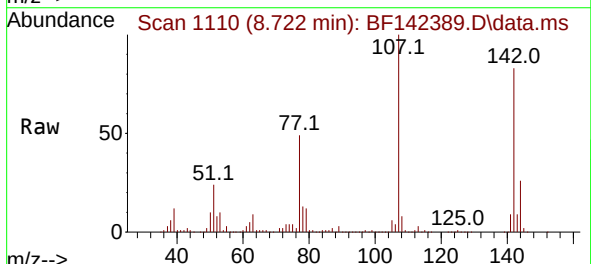
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

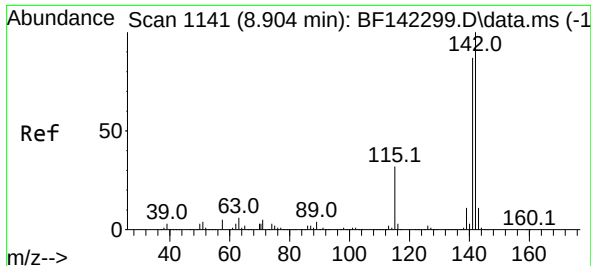
Tgt Ion:113 Resp: 18970
Ion Ratio Lower Upper
113 100
55 196.7 176.4 216.4
56 142.6 120.3 160.3



#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

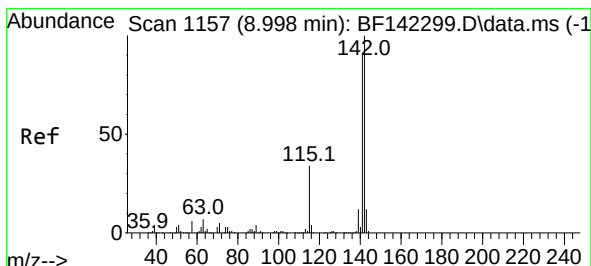
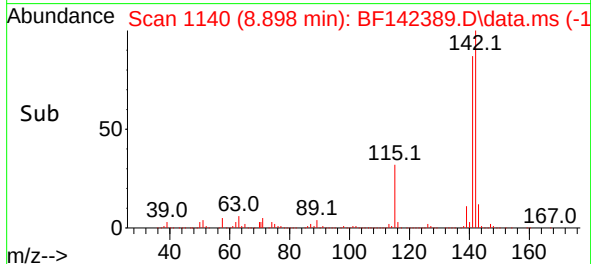
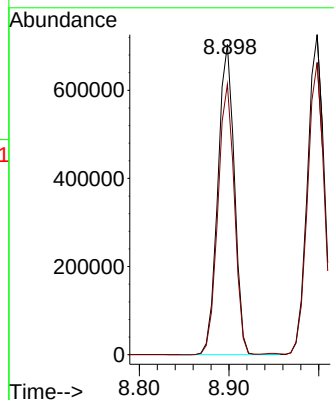
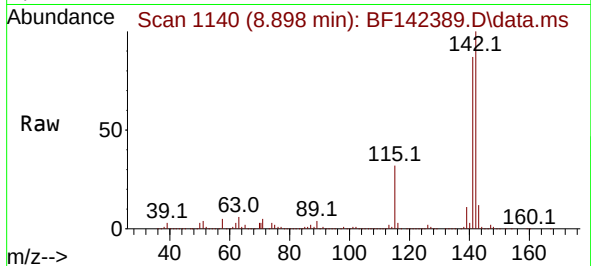




#37
2-Methylnaphthalene
Concen: 45.031 ng
RT: 8.898 min Scan# 1141
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

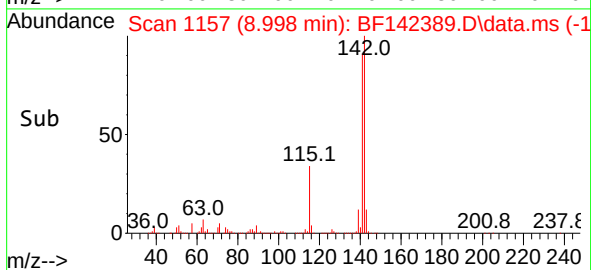
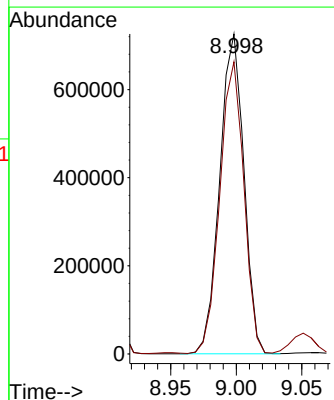
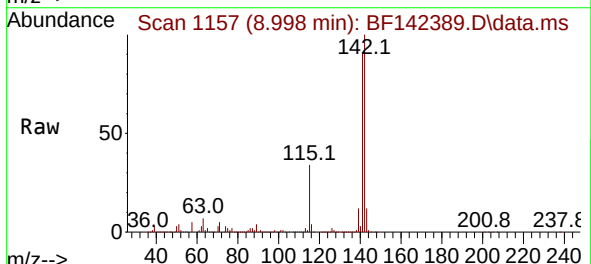
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

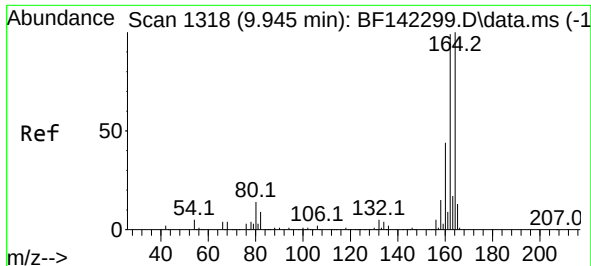
Tgt Ion:142 Resp: 897809
Ion Ratio Lower Upper
142 100
141 87.2 69.4 104.2



#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# 1167

Delta R.T. -0.006 min

Lab File: BF142389.D

Acq: 15 May 2025 12:47

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MSD

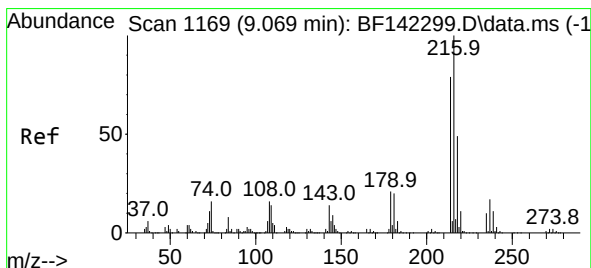
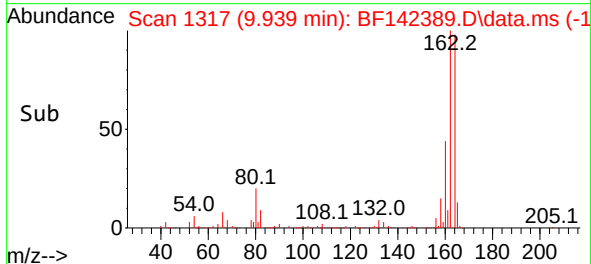
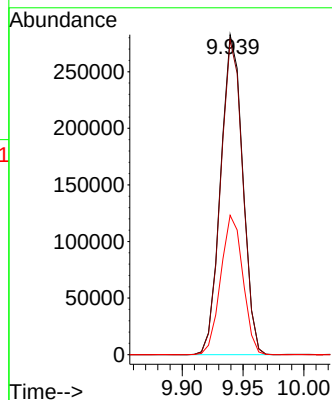
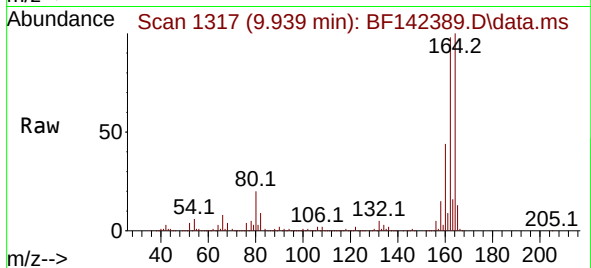
Tgt Ion:164 Resp: 357440

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

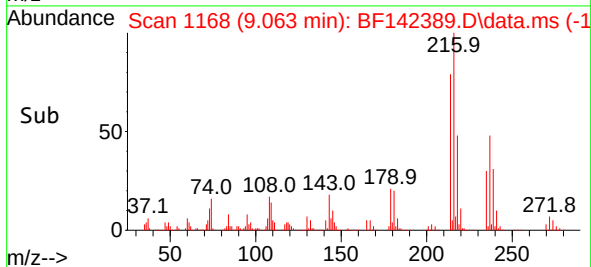
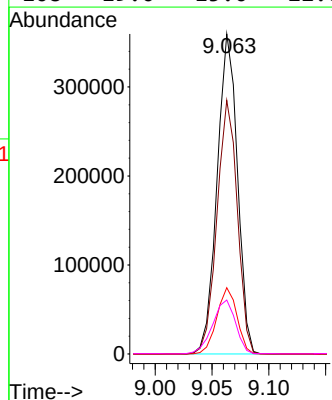
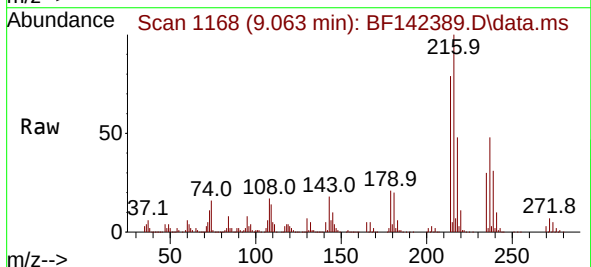
Ion Ratio Lower Upper

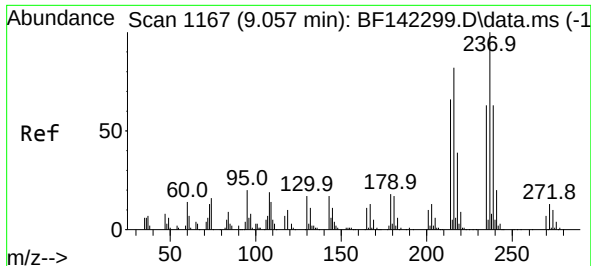
216 100

214 79.1 63.8 95.6

179 20.6 17.0 25.6

108 19.0 15.0 22.6

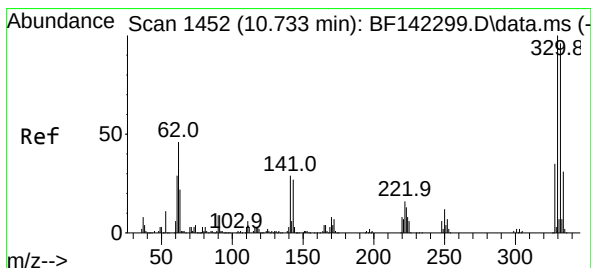
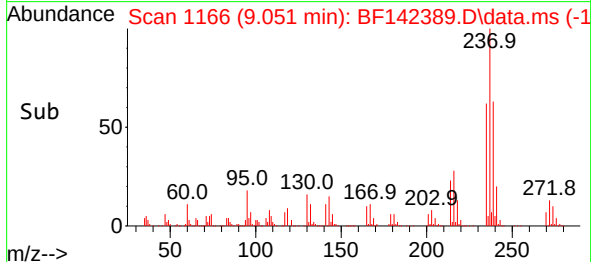
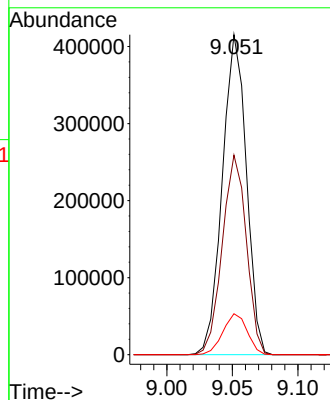
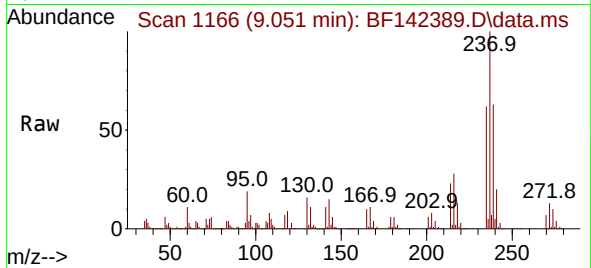




#41
Hexachlorocyclopentadiene
Concen: 85.793 ng
RT: 9.051 min Scan# 1166
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

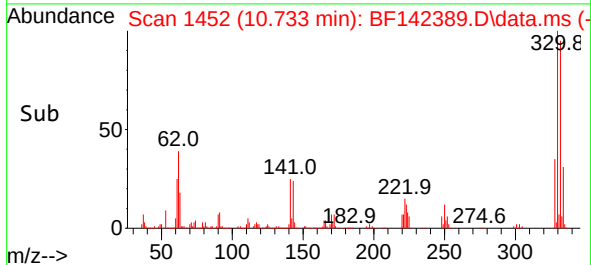
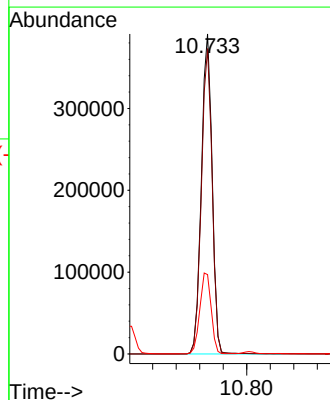
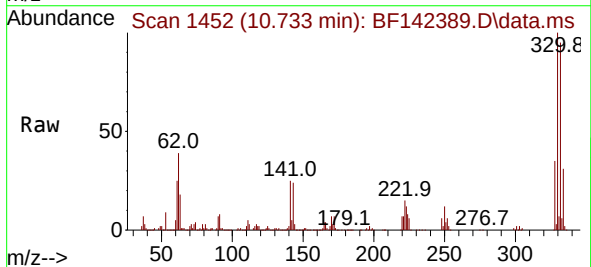
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

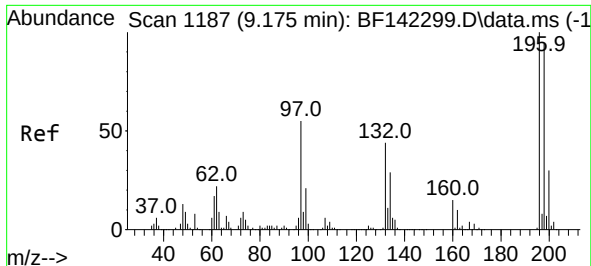
Tgt Ion:237 Resp: 529316
Ion Ratio Lower Upper
237 100
235 62.4 42.8 82.8
272 12.8 0.0 33.0



#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

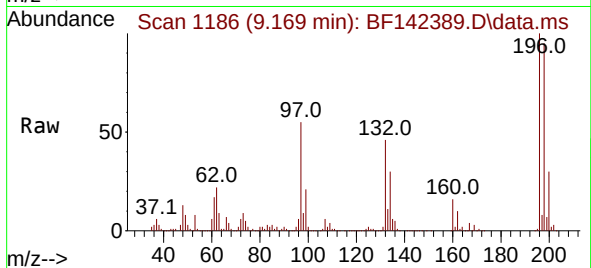
Tgt Ion:330 Resp: 496952
Ion Ratio Lower Upper
330 100
332 95.5 76.8 115.2
141 26.5 24.9 37.3



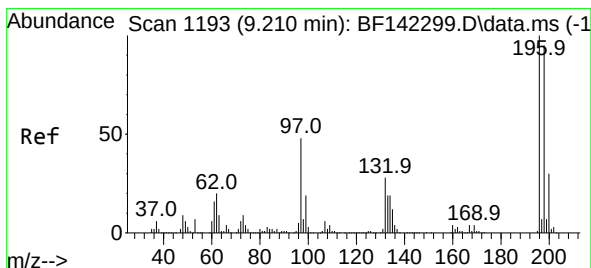
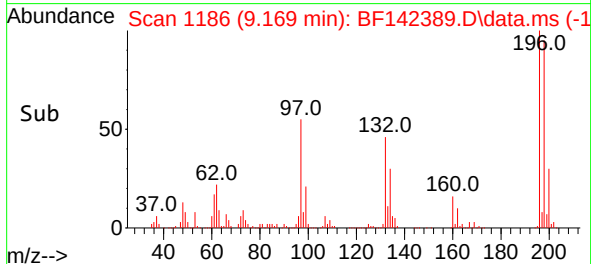
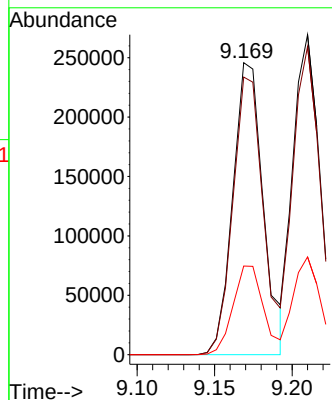


#43
2,4,6-Trichlorophenol
Concen: 53.182 ng
RT: 9.169 min Scan# 1186
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

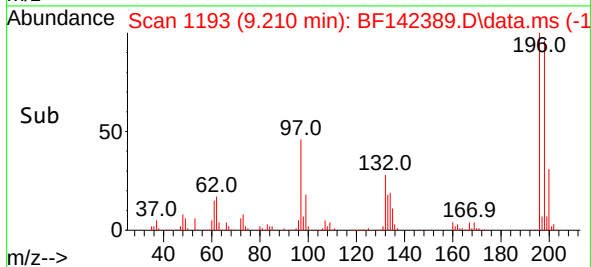
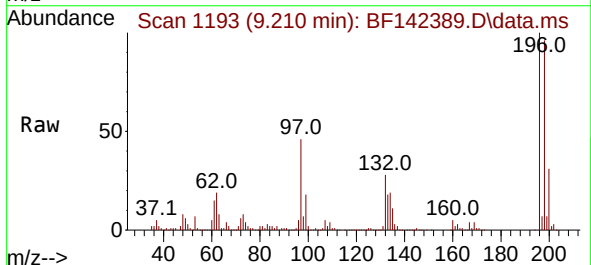
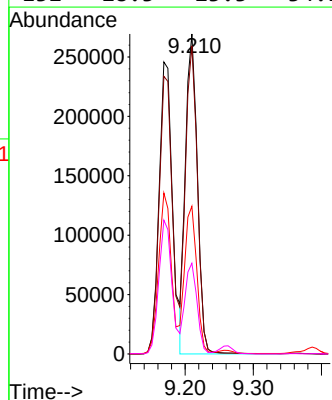


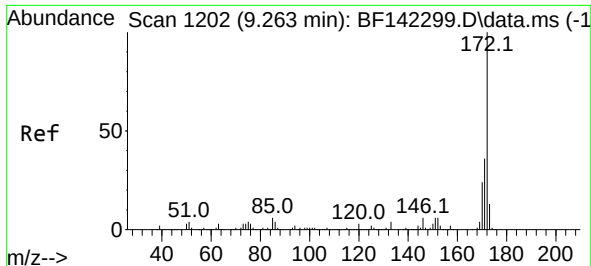
Tgt Ion:196 Resp: 334881
Ion Ratio Lower Upper
196 100
198 95.1 75.4 113.0
200 30.3 24.3 36.5



#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# 1202

Delta R.T. -0.000 min

Lab File: BF142389.D

Acq: 15 May 2025 12:47

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MSD

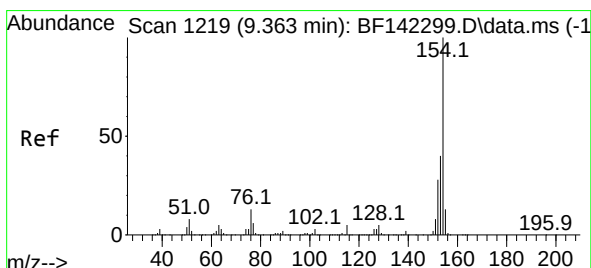
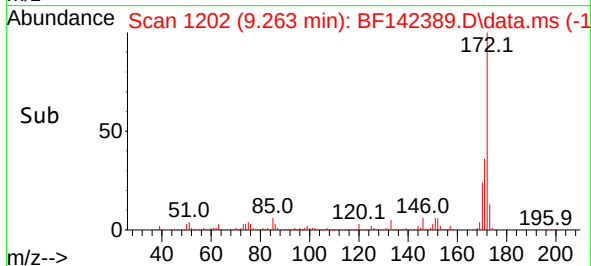
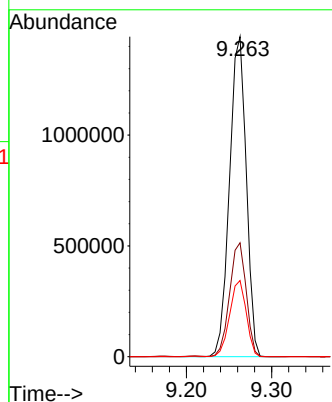
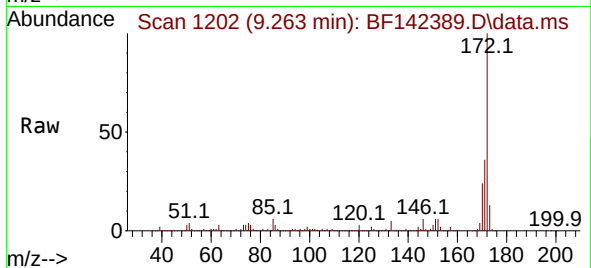
Tgt Ion:172 Resp: 1972111

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

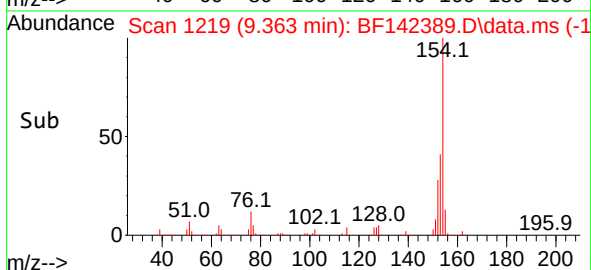
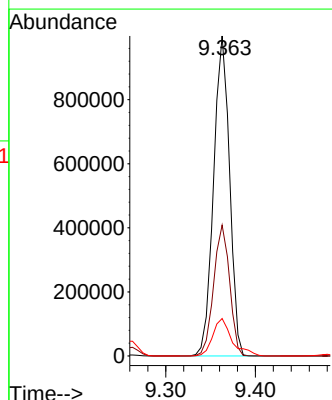
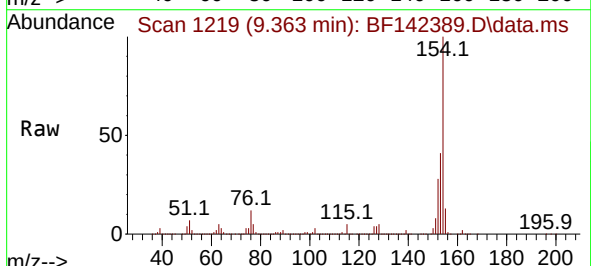
Tgt Ion:154 Resp: 1234418

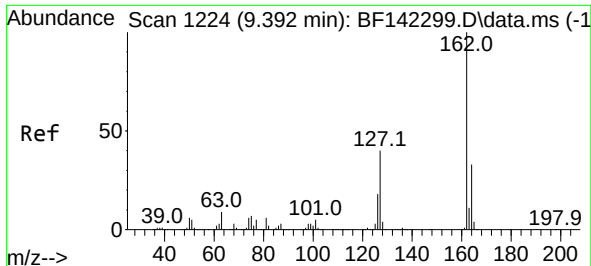
Ion Ratio Lower Upper

154 100

153 40.9 20.5 60.5

76 11.7 0.0 32.8

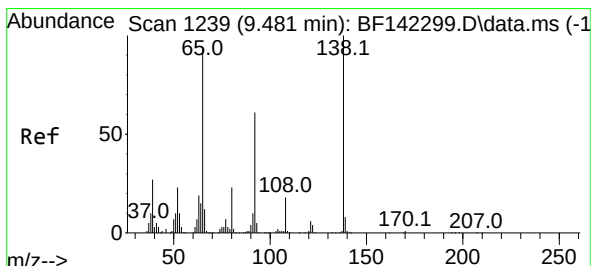
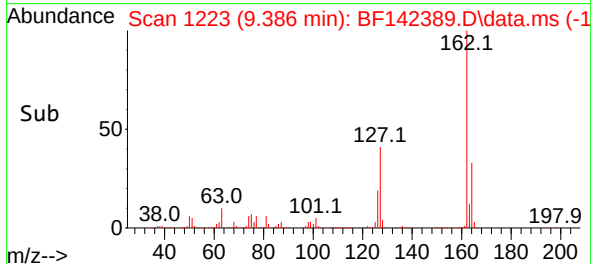
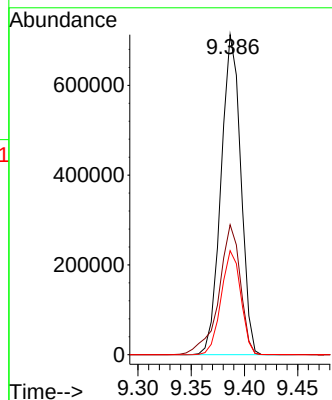
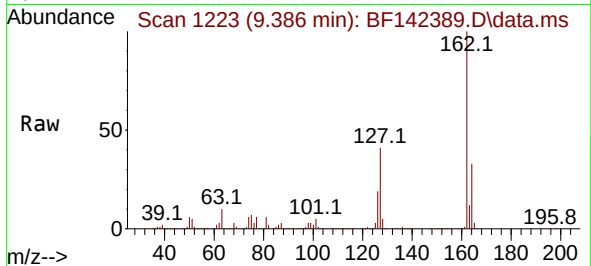




#47
2-Chloronaphthalene
Concen: 45.002 ng
RT: 9.386 min Scan# 1223
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

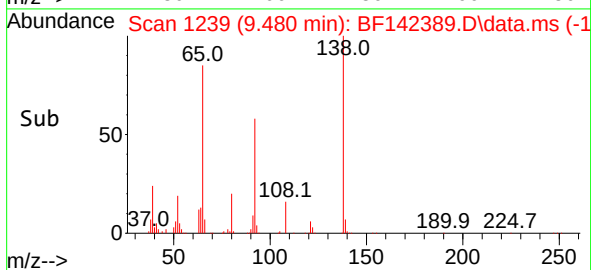
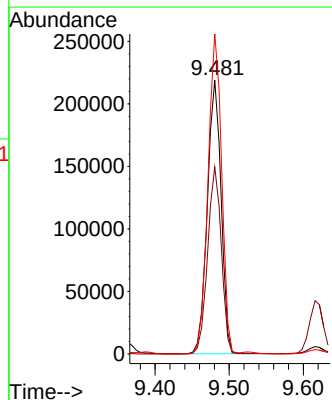
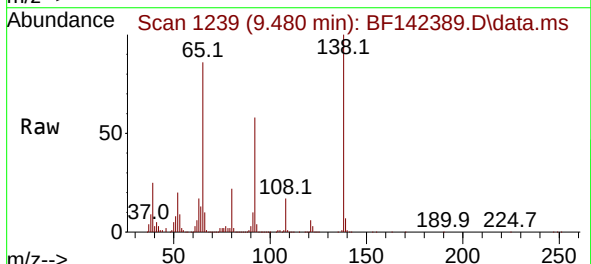
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

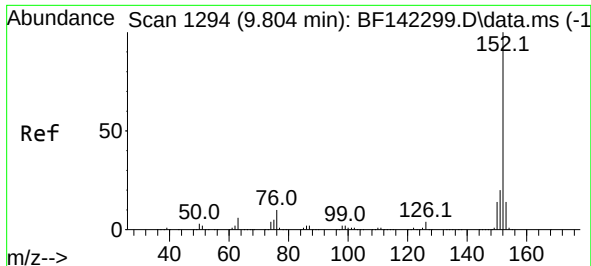
Tgt Ion:162 Resp: 917216
Ion Ratio Lower Upper
162 100
127 40.6 32.3 48.5
164 32.5 26.6 40.0



#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

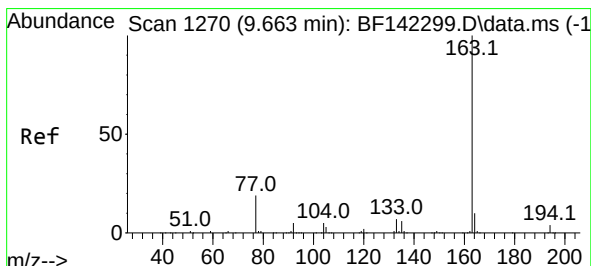
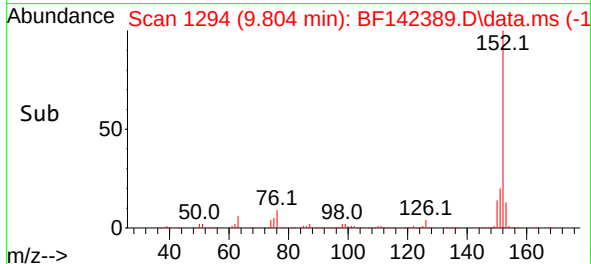
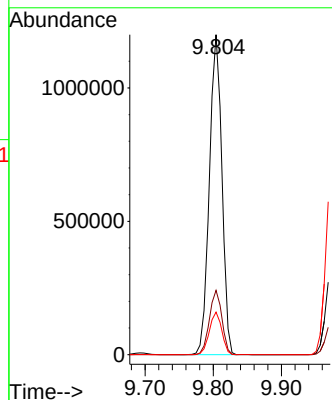
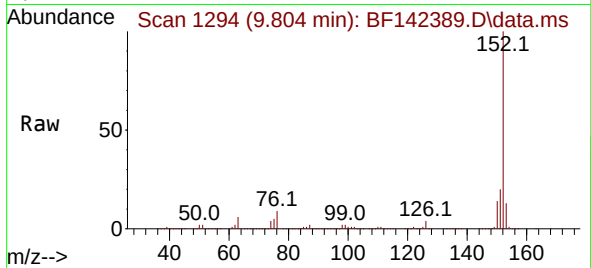




#49
Acenaphthylene
Concen: 44.966 ng
RT: 9.804 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

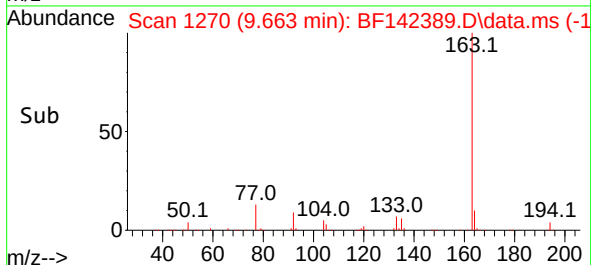
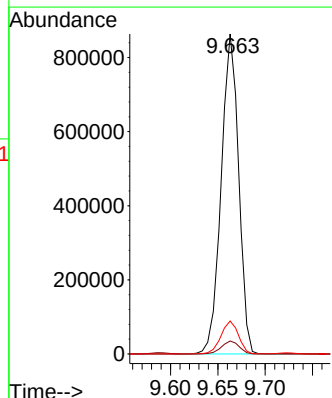
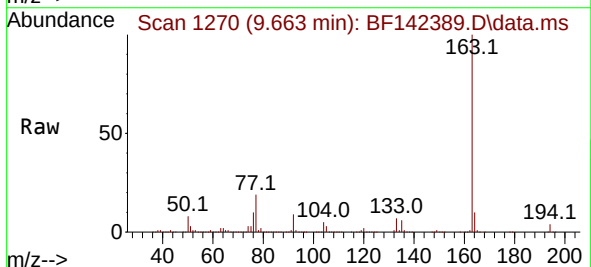
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

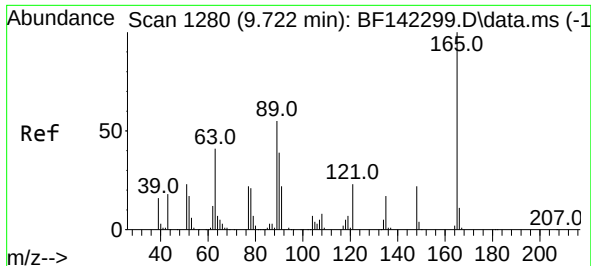
Tgt Ion:152 Resp: 1533127
Ion Ratio Lower Upper
152 100
151 20.1 16.0 24.0
153 13.3 10.8 16.2



#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

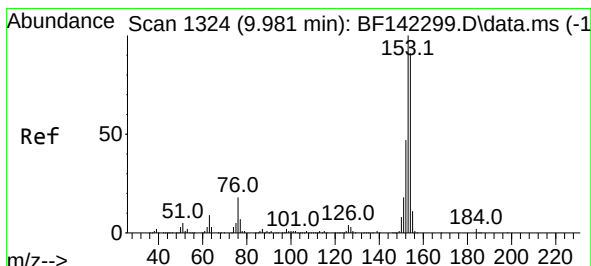
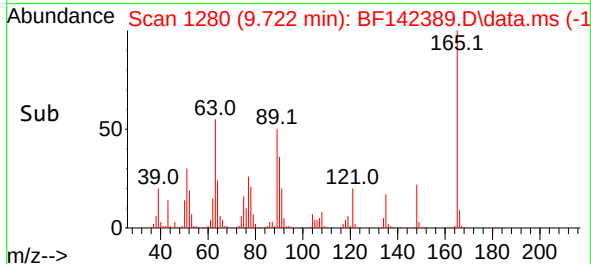
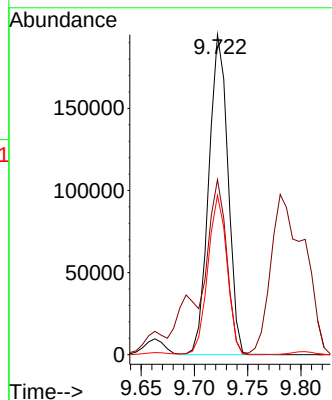
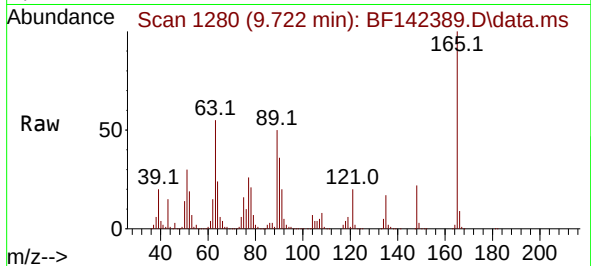




#51
2,6-Dinitrotoluene
Concen: 56.826 ng
RT: 9.722 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

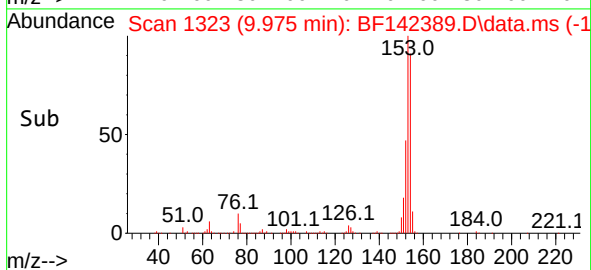
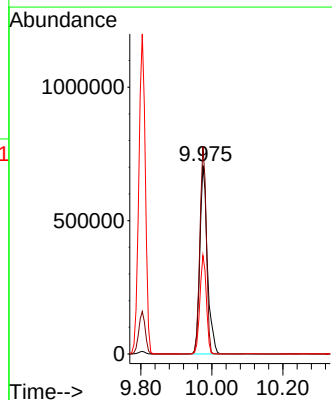
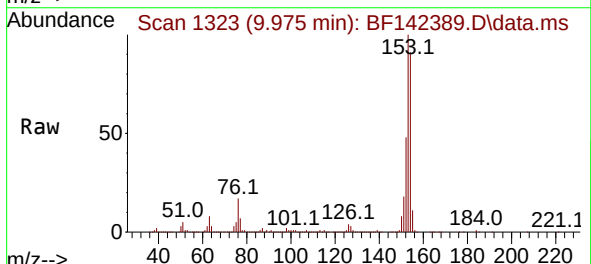
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

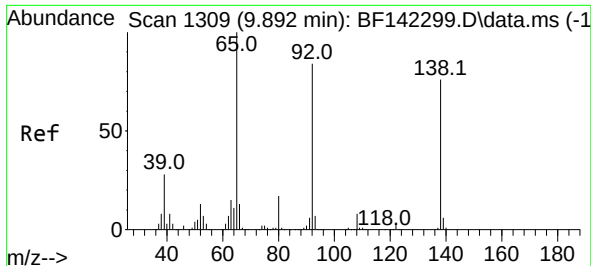
Tgt Ion:165 Resp: 244138
Ion Ratio Lower Upper
165 100
63 54.7 49.5 74.3
89 49.8 44.6 66.8



#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

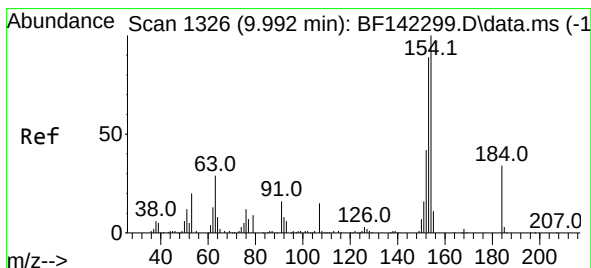
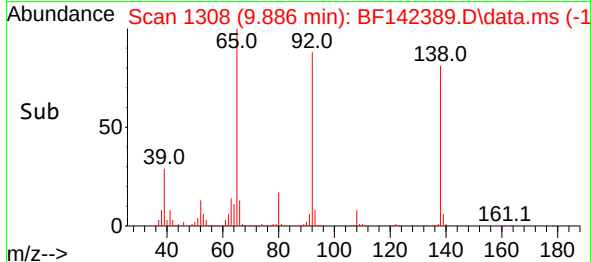
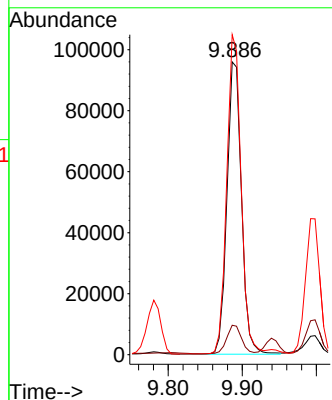
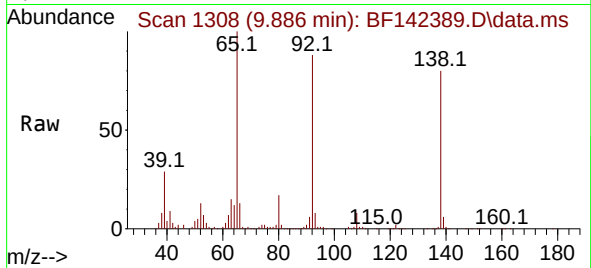




#53
3-Nitroaniline
Concen: 25.883 ng
RT: 9.886 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

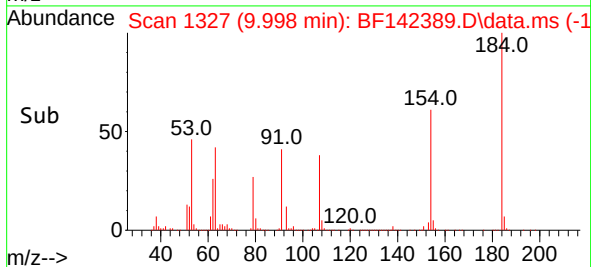
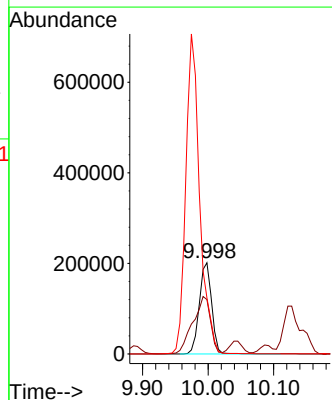
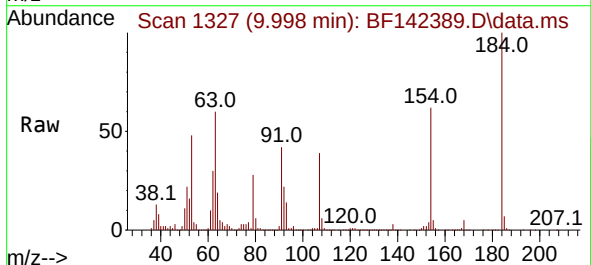
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

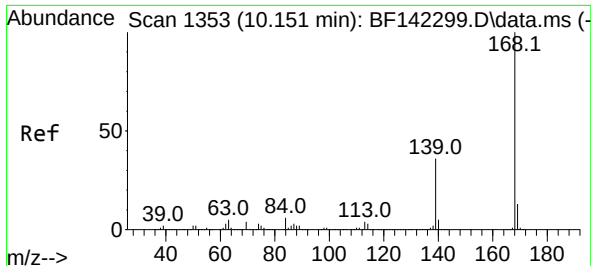
Tgt Ion:138 Resp: 130415
Ion Ratio Lower Upper
138 100
108 10.0 8.7 13.1
92 109.3 89.5 134.3



#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#

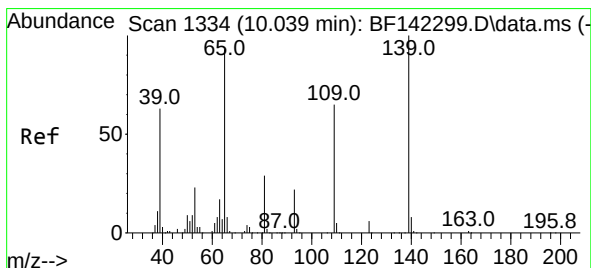
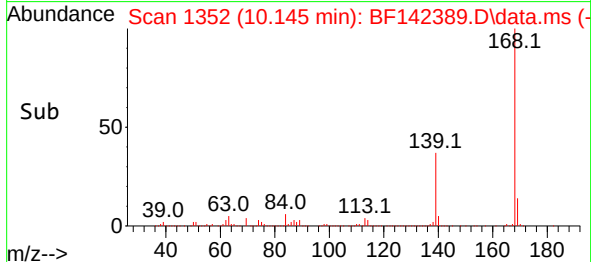
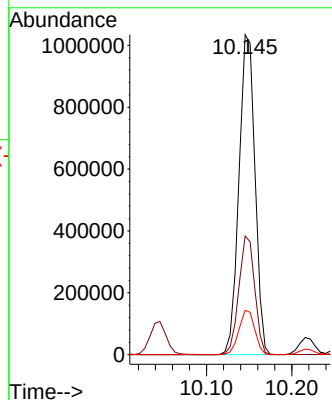
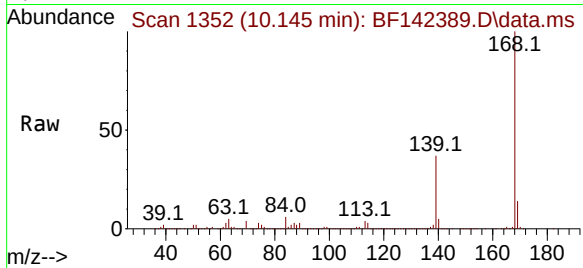




#55
Dibenzenofuran
Concen: 44.704 ng
RT: 10.145 min Scan# 1352
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

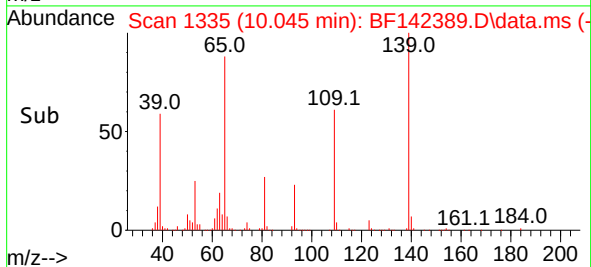
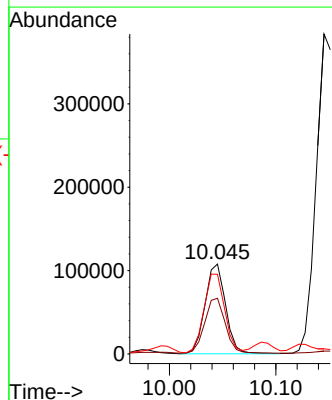
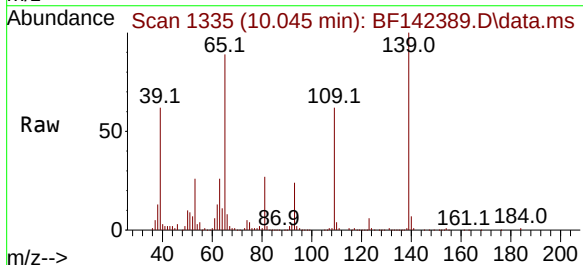
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

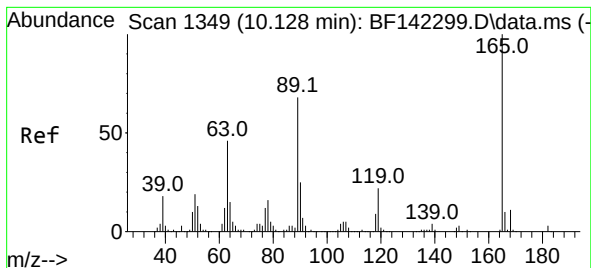
Tgt Ion:168 Resp: 1352552
Ion Ratio Lower Upper
168 100
139 37.1 29.0 43.4
169 13.8 10.7 16.1



#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

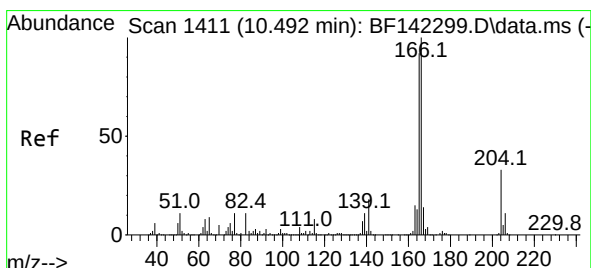
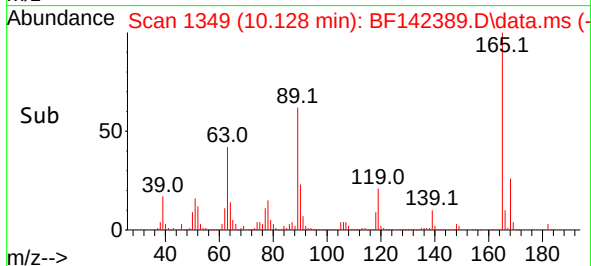
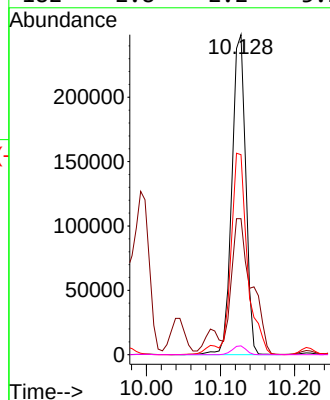
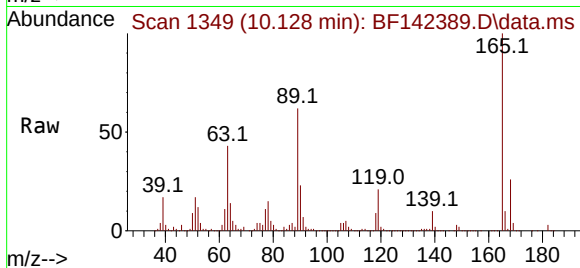




#57
2,4-Dinitrotoluene
Concen: 58.409 ng
RT: 10.128 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

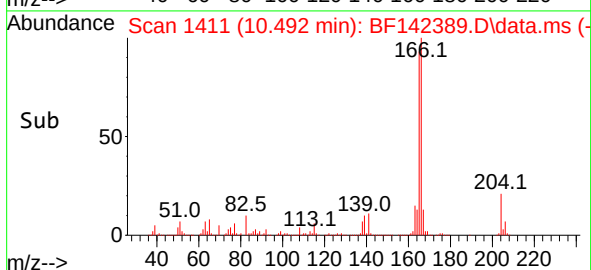
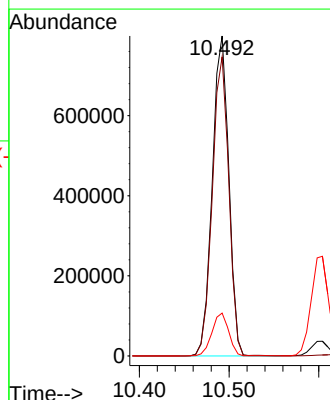
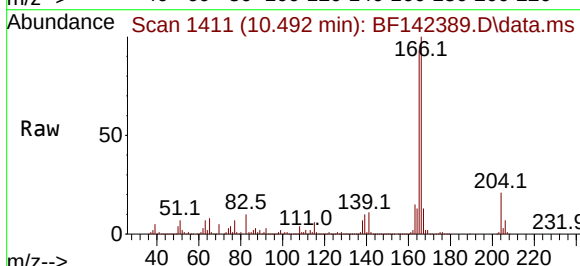
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

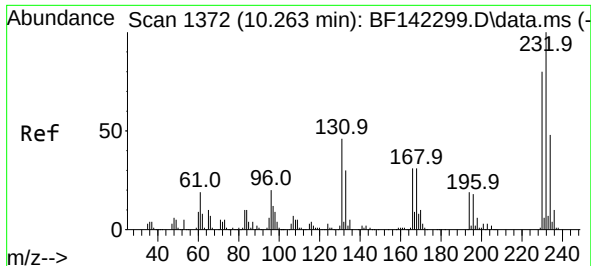
Tgt Ion:165 Resp: 321887
Ion Ratio Lower Upper
165 100
63 42.5 37.1 55.7
89 62.5 54.4 81.6
182 2.8 2.2 3.2



#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

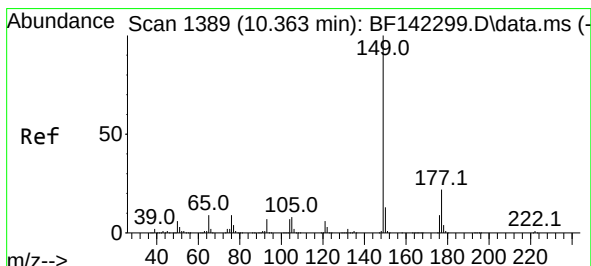
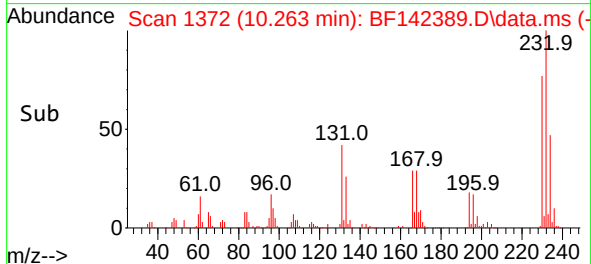
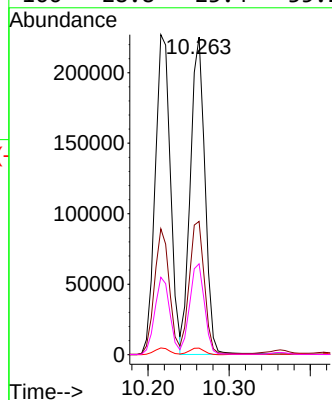
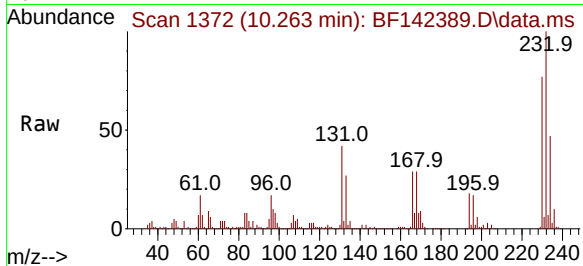




#59
2,3,4,6-Tetrachlorophenol
Concen: 50.862 ng
RT: 10.263 min Scan# 1372
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

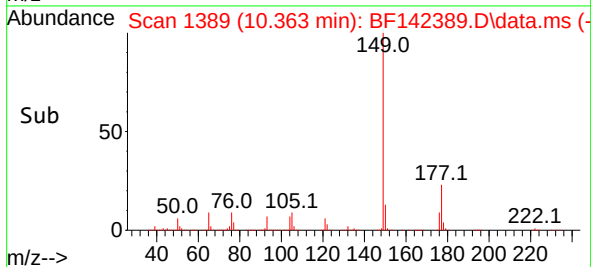
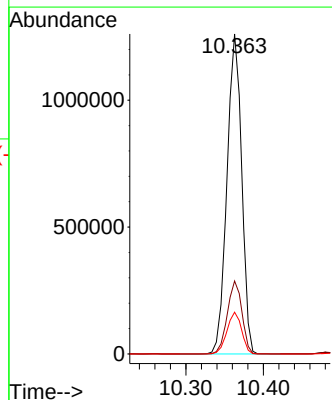
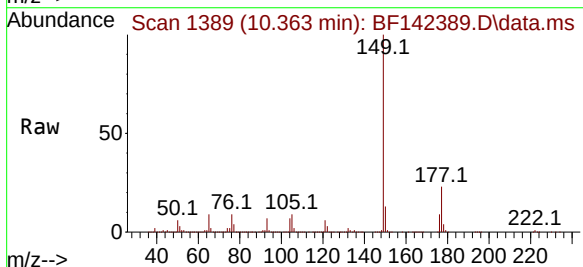
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

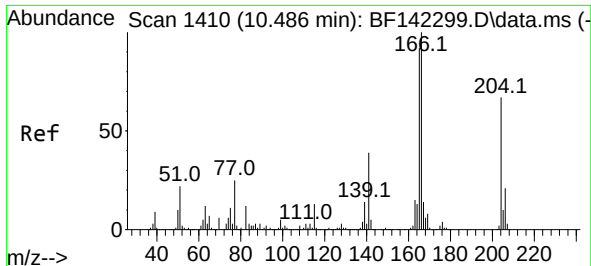
Tgt Ion:232 Resp: 281314
Ion Ratio Lower Upper
232 100
131 42.6 36.0 54.0
130 2.2 1.8 2.6
166 28.8 23.4 35.2



#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

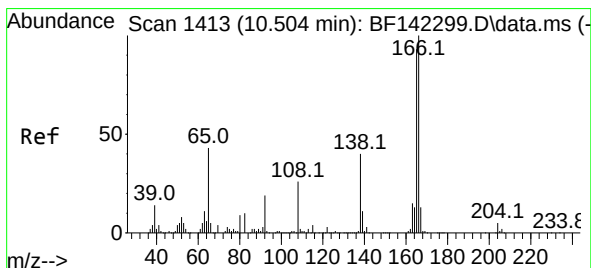
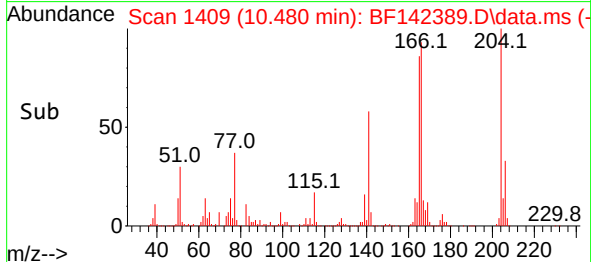
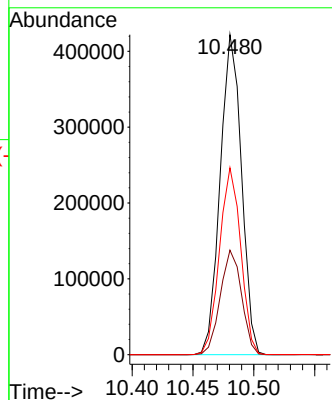
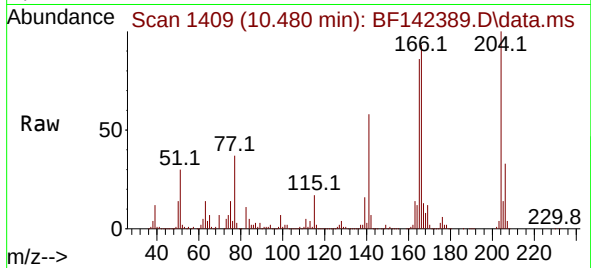




#61
4-Chlorophenyl-phenylether
Concen: 46.190 ng
RT: 10.480 min Scan# 1410
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

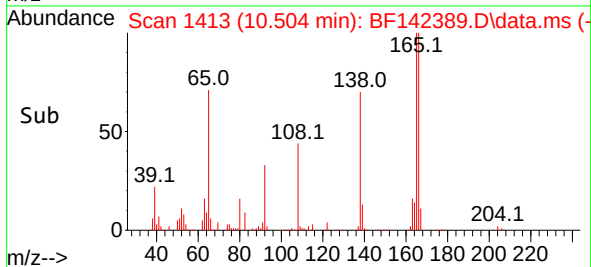
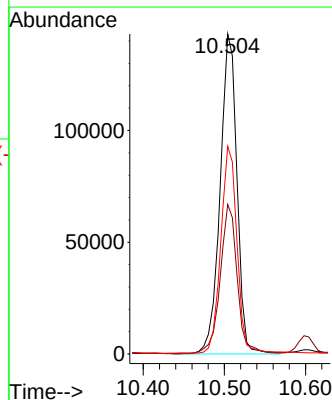
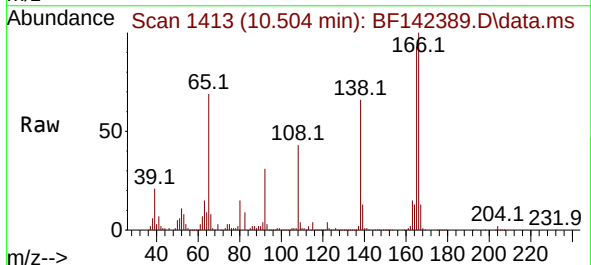
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

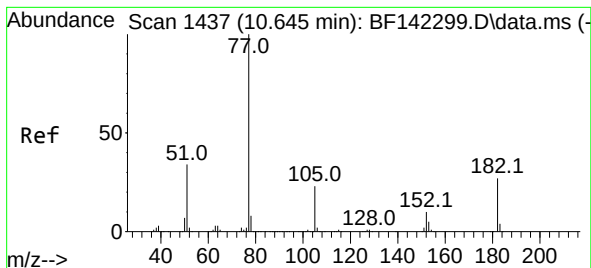
Tgt Ion:204 Resp: 514546
Ion Ratio Lower Upper
204 100
206 32.6 25.5 38.3
141 58.4 46.4 69.6



#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# 1436

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

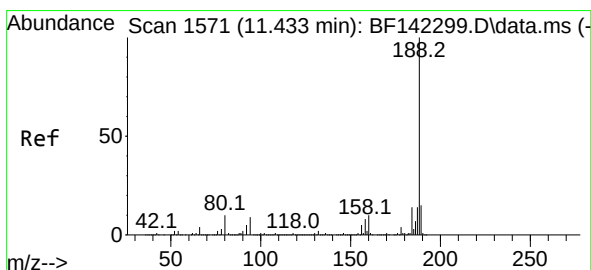
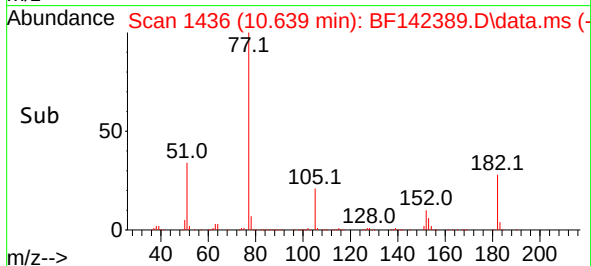
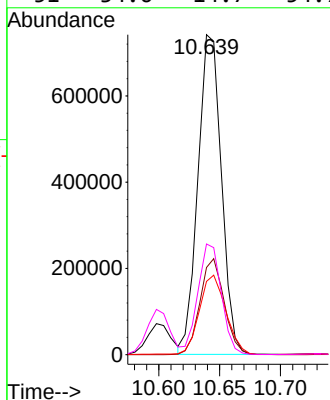
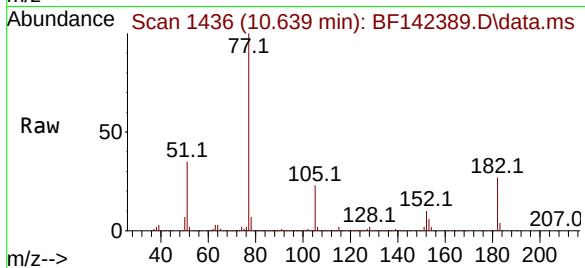
Ion Ratio Lower Upper

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

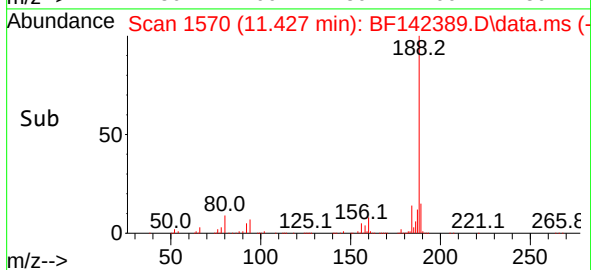
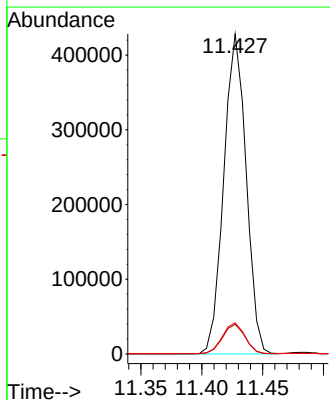
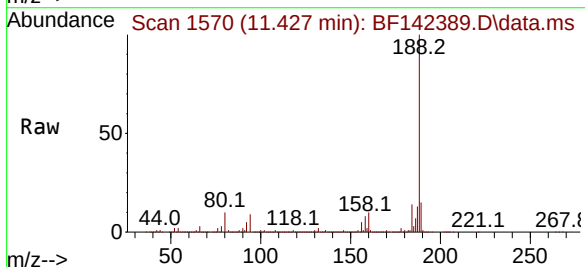
Tgt Ion:188 Resp: 546787

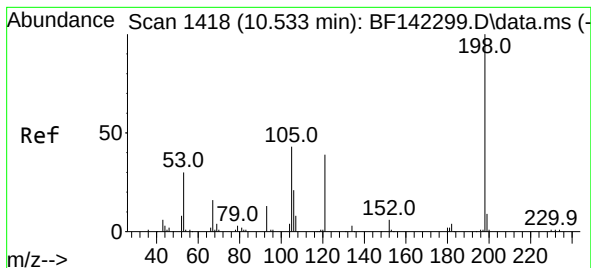
Ion Ratio Lower Upper

188 100

94 9.2 7.5 11.3

80 9.8 7.9 11.9

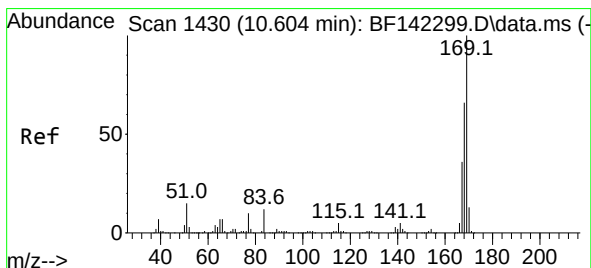
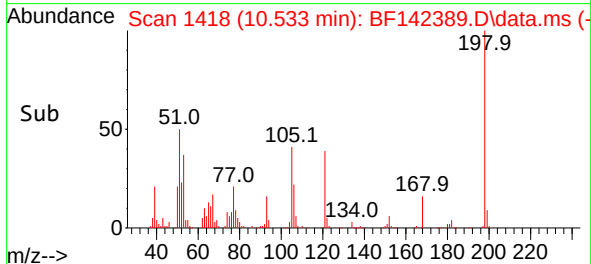
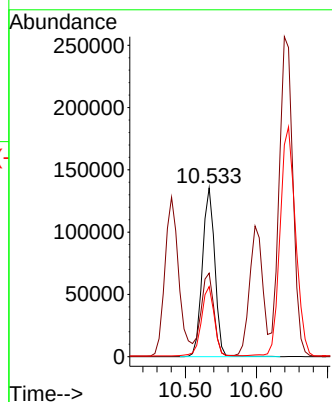
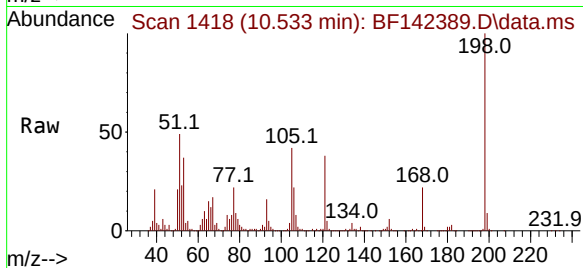




#65
4,6-Dinitro-2-methylphenol
Concen: 62.409 ng
RT: 10.533 min Scan# 1418
Delta R.T. 0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

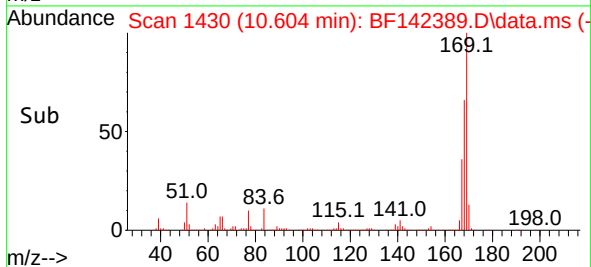
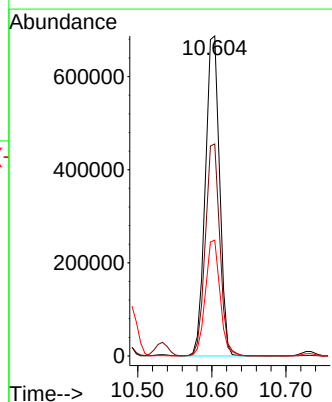
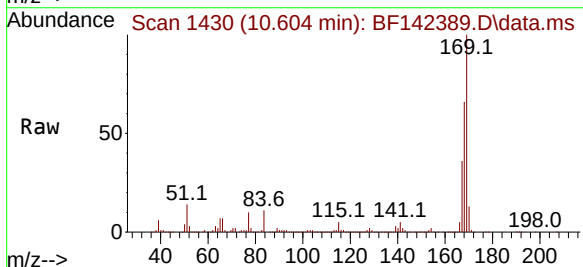
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

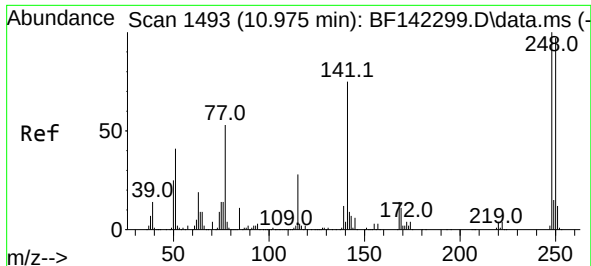
Tgt Ion:198 Resp: 165536
Ion Ratio Lower Upper
198 100
51 49.5 32.9 72.9
105 41.5 23.7 63.7



#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

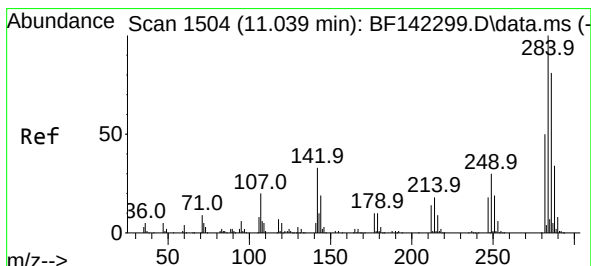
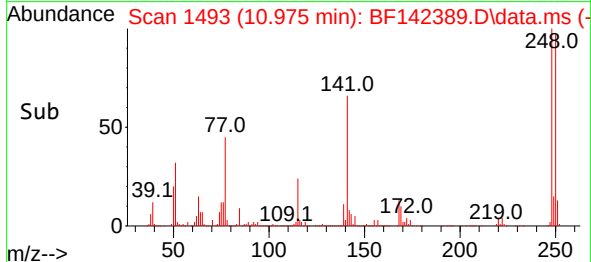
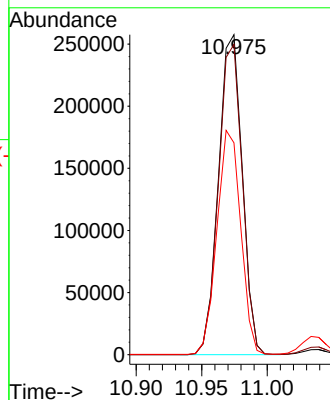
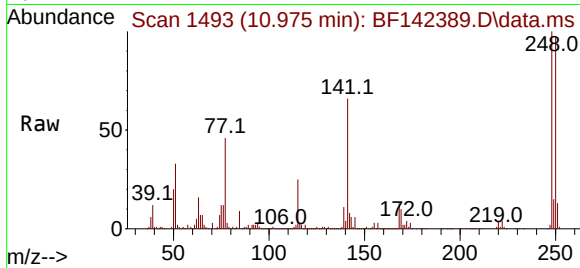




#67
4-Bromophenyl-phenylether
Concen: 52.554 ng
RT: 10.975 min Scan# 1493
Delta R.T. -0.000 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

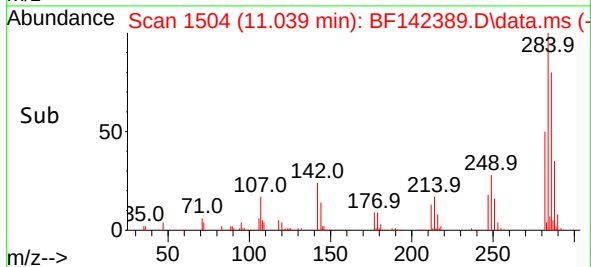
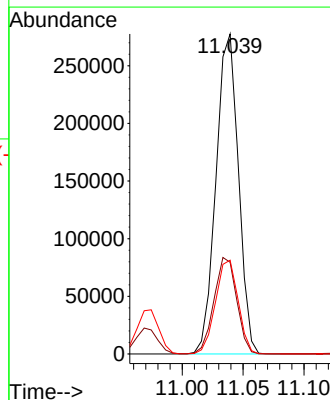
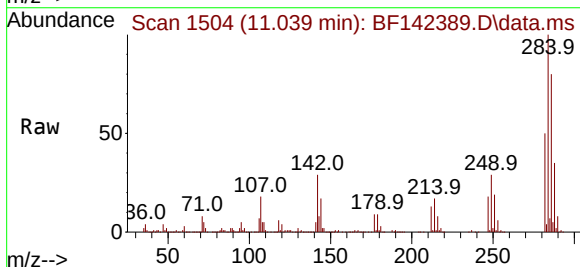
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

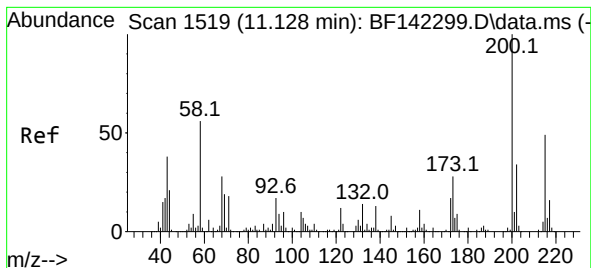
Tgt Ion:248 Resp: 325670
Ion Ratio Lower Upper
248 100
250 97.0 77.9 116.9
141 66.2 59.8 89.8



#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

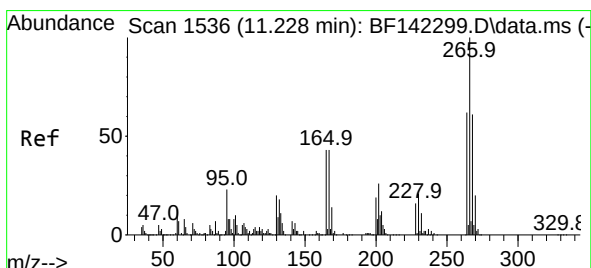
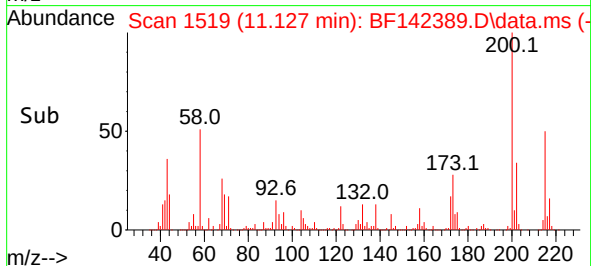
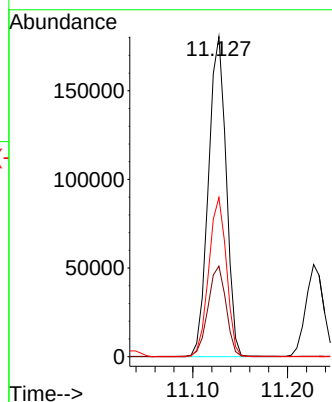
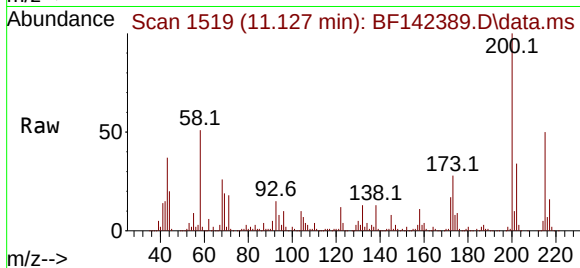
Tgt Ion:200 Resp: 235144

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

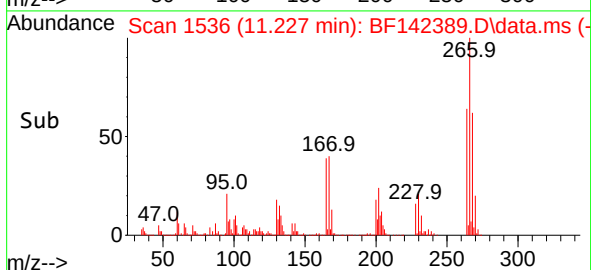
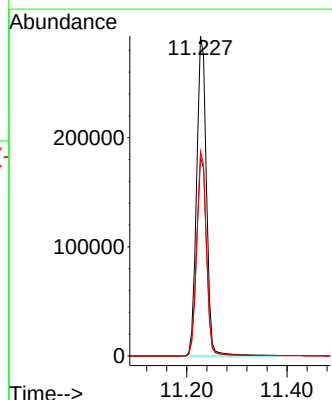
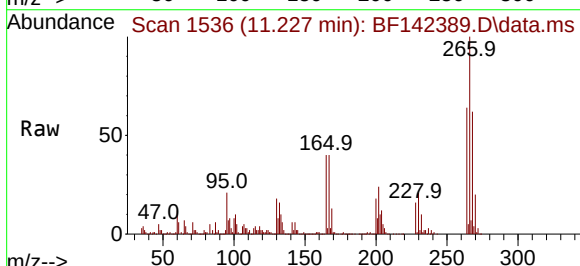
Tgt Ion:266 Resp: 397210

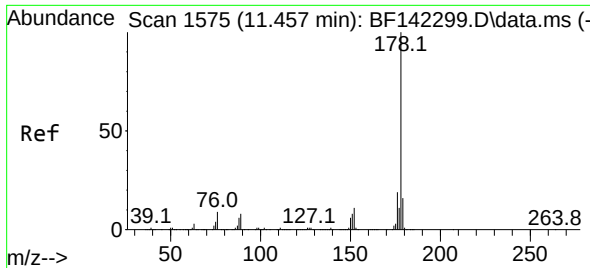
Ion Ratio Lower Upper

266 100

268 62.1 48.7 73.1

264 64.0 49.8 74.6

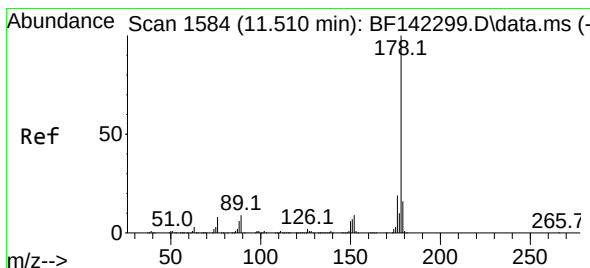
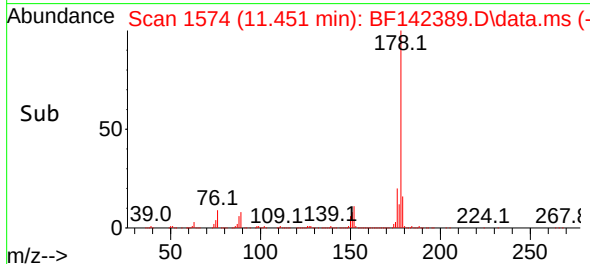
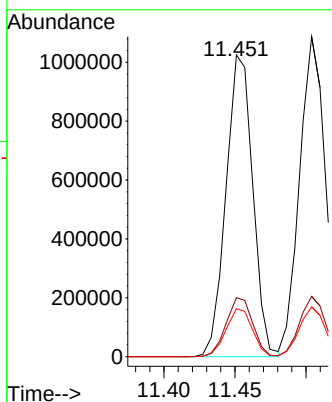
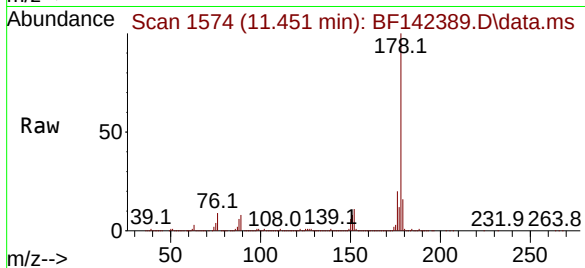




#71
Phenanthrene
Concen: 46.908 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

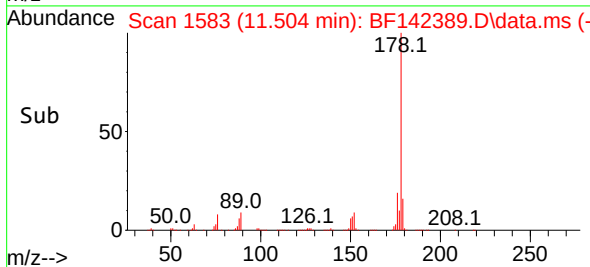
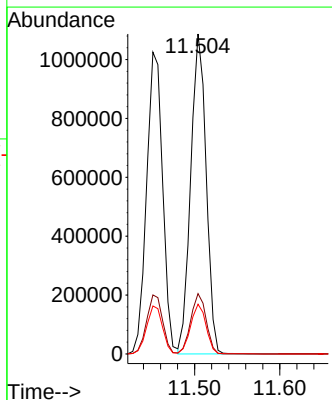
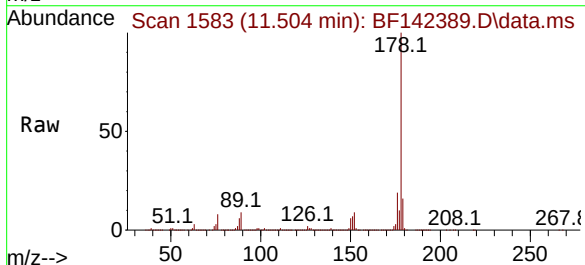
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

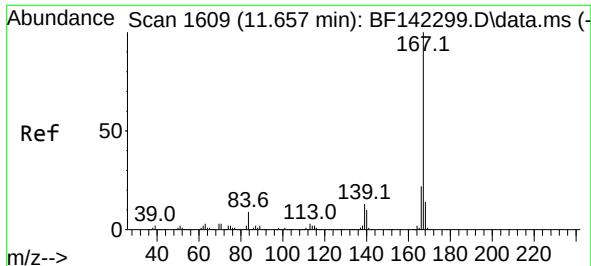
Tgt Ion:178 Resp: 1344429
Ion Ratio Lower Upper
178 100
176 19.6 15.5 23.3
179 15.9 12.6 18.8



#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



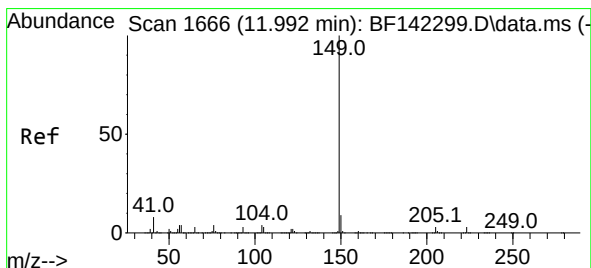
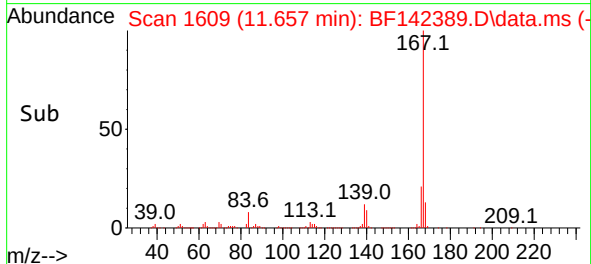
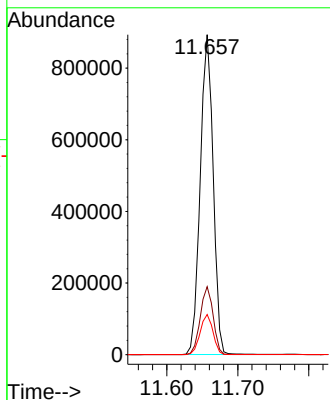
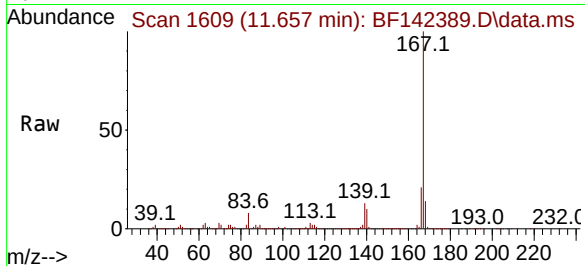


#73
 Carbazole
 Concen: 42.901 ng
 RT: 11.657 min Scan# 1609
 Delta R.T. -0.000 min
 Lab File: BF142389.D
 Acq: 15 May 2025 12:47

Instrument :
 BNA_F
 ClientSampleId :
 MW-3-20250508MSD

Tgt Ion:167 Resp: 1133485

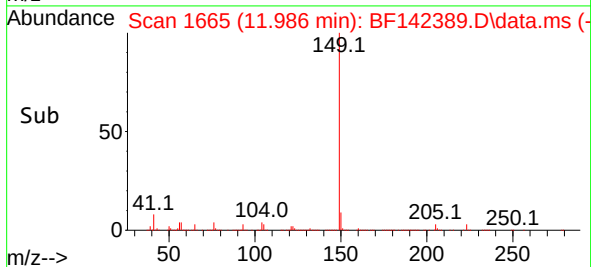
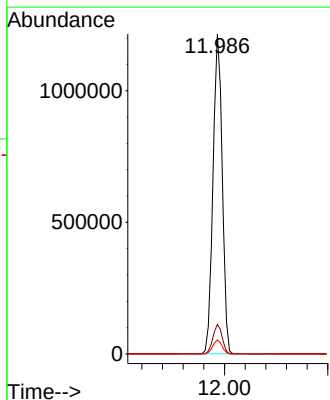
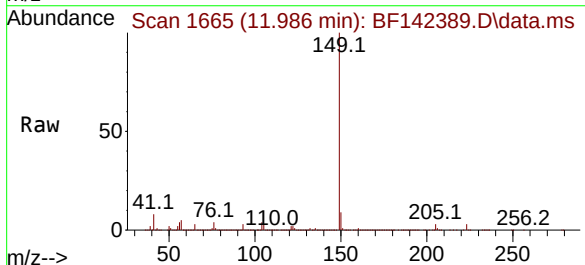
Ion	Ratio	Lower	Upper
167	100		
166	21.3	17.2	25.8
139	12.5	10.3	15.5

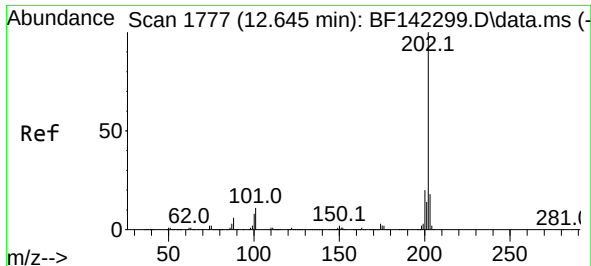


#74
 Di-n-butylphthalate
 Concen: 54.164 ng
 RT: 11.986 min Scan# 1665
 Delta R.T. -0.006 min
 Lab File: BF142389.D
 Acq: 15 May 2025 12:47

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

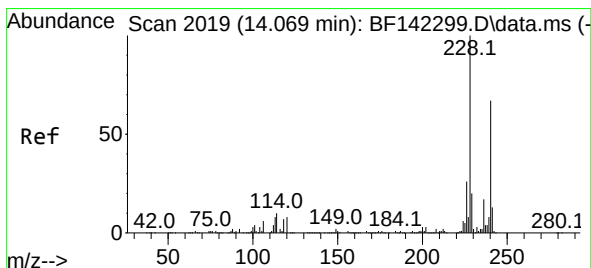
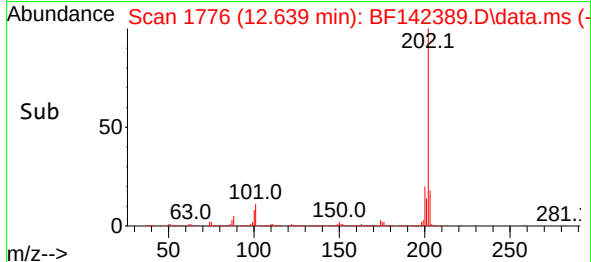
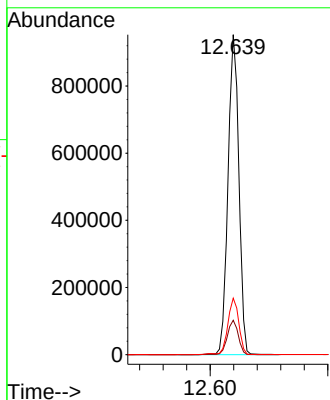
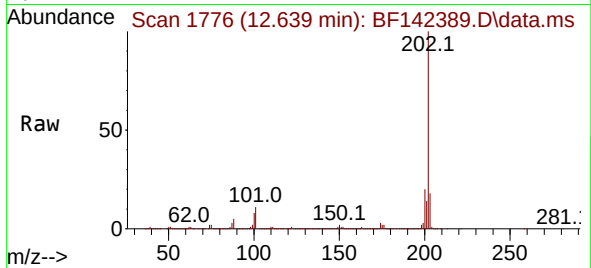




#75
Fluoranthene
Concen: 42.560 ng
RT: 12.639 min Scan# 1776
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

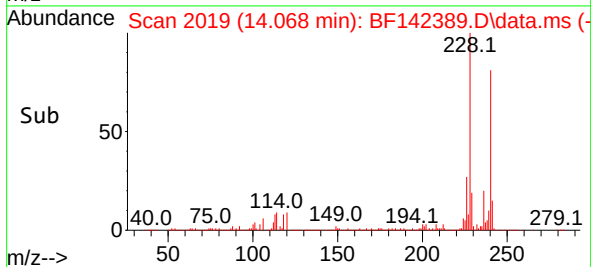
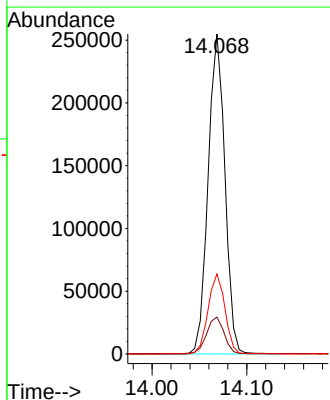
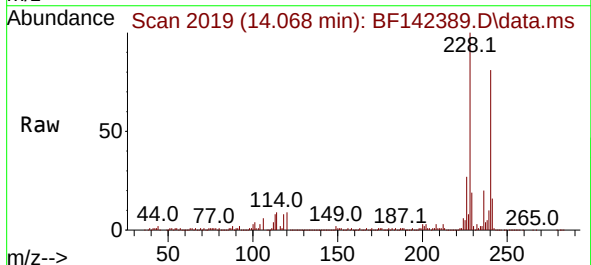
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

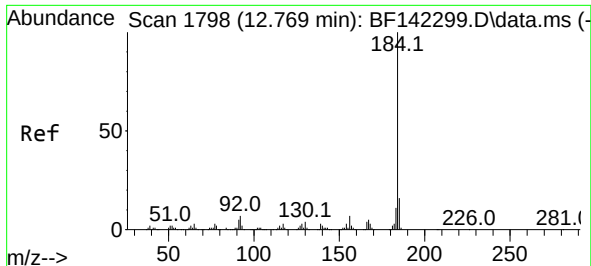
Tgt Ion:202 Resp: 1219362
Ion Ratio Lower Upper
202 100
101 10.7 0.0 31.4
203 17.6 0.0 37.9



#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

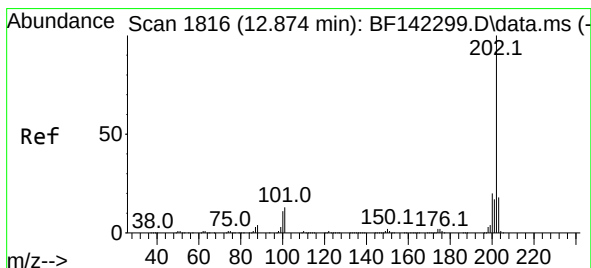
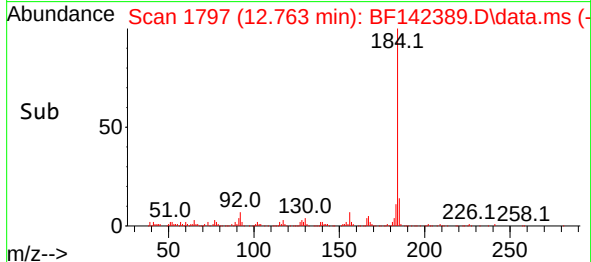
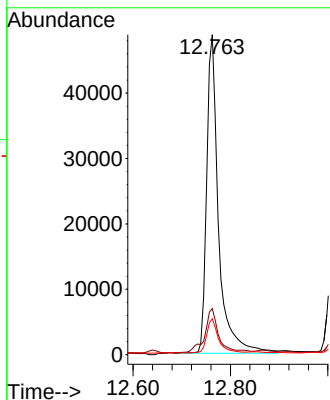
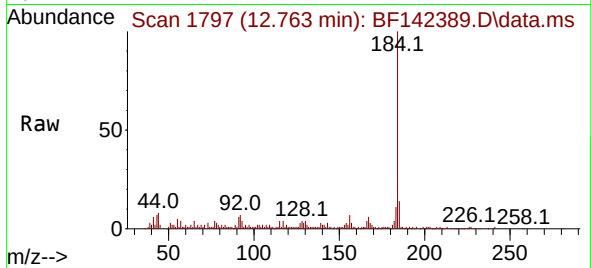




#77
Benzidine
Concen: 14.385 ng
RT: 12.763 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

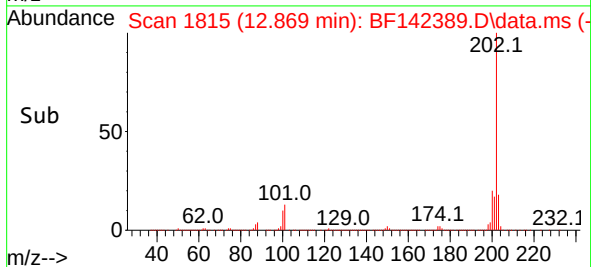
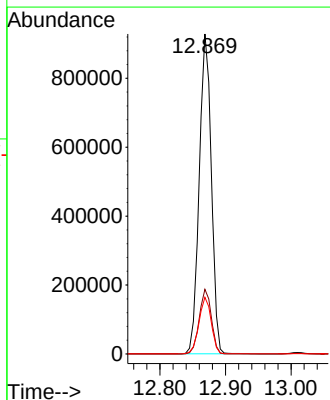
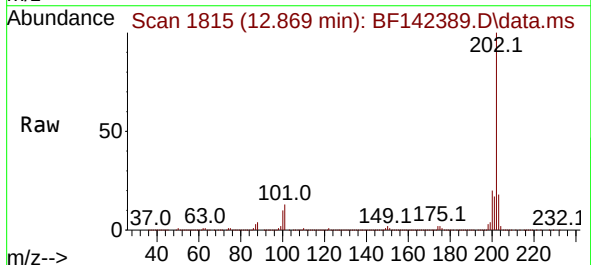
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

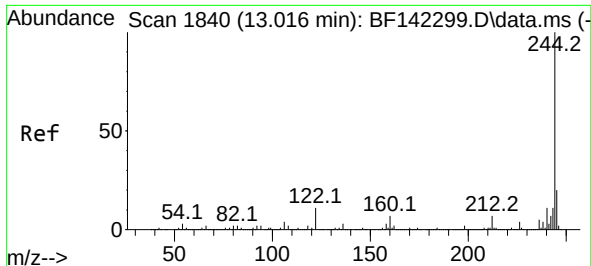
Tgt Ion:184 Resp: 82144
Ion Ratio Lower Upper
184 100
185 14.4 12.6 18.8
183 11.2 8.6 12.8



#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

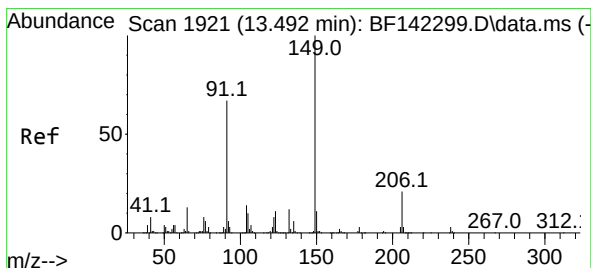
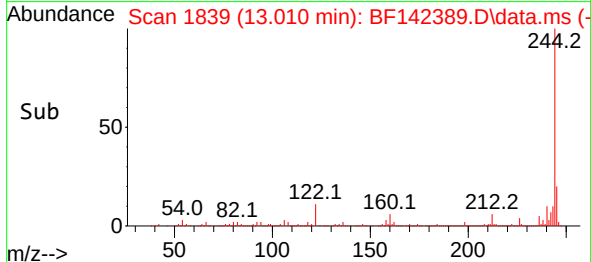
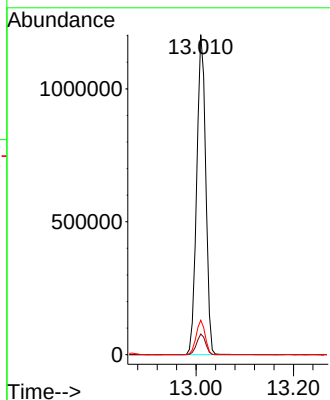
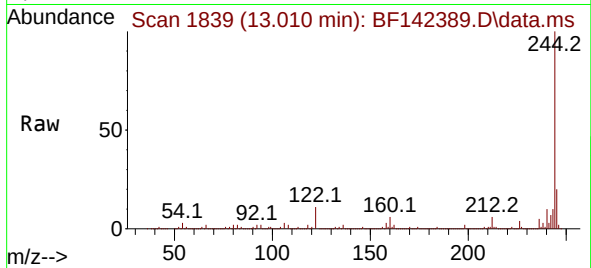




#79
 Terphenyl-d14
 Concen: 73.516 ng
 RT: 13.010 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF142389.D
 Acq: 15 May 2025 12:47

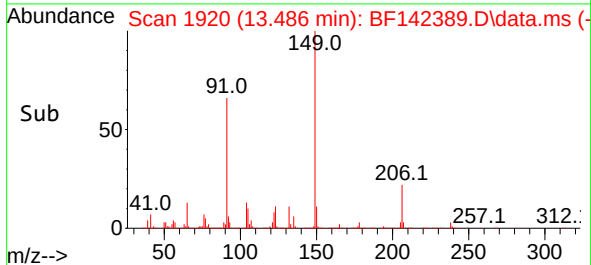
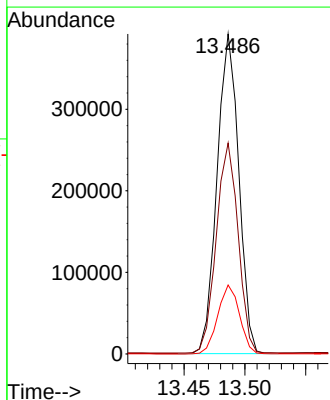
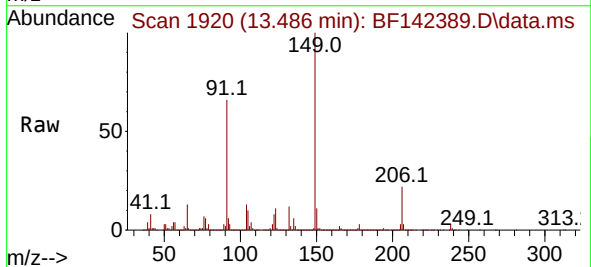
Instrument :
 BNA_F
 ClientSampleId :
 MW-3-20250508MSD

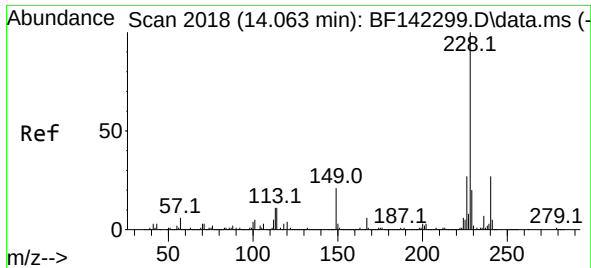
Tgt Ion:244 Resp: 1560715
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.2
 122 10.7 9.0 13.4



#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

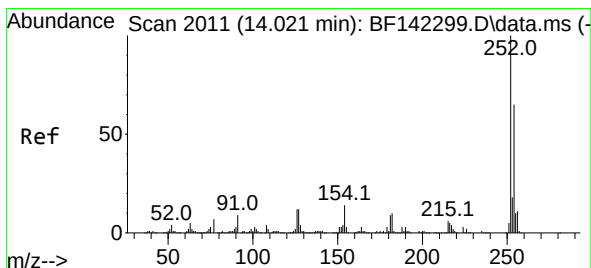
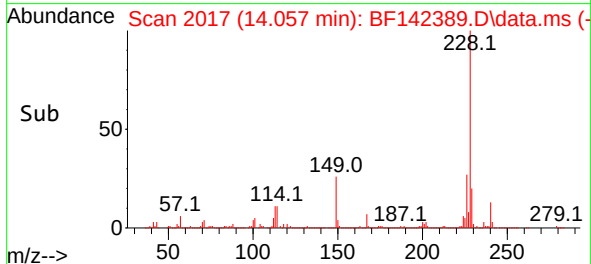
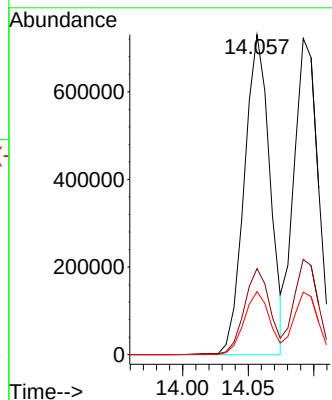
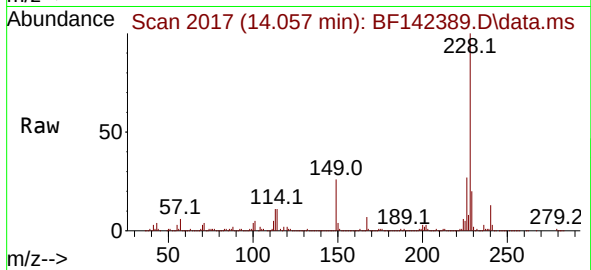




#81
Benzo(a)anthracene
Concen: 48.680 ng
RT: 14.057 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

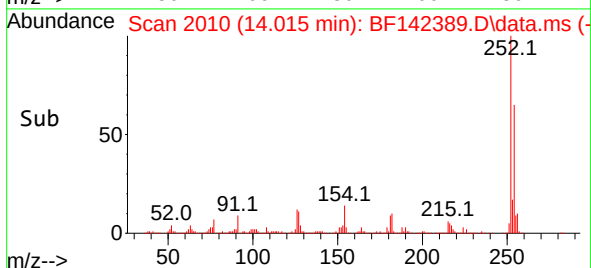
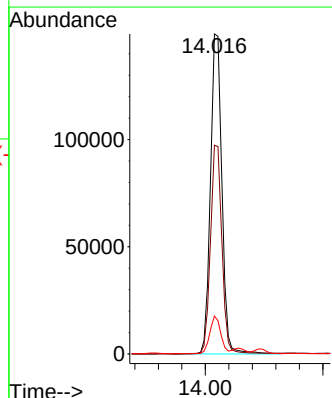
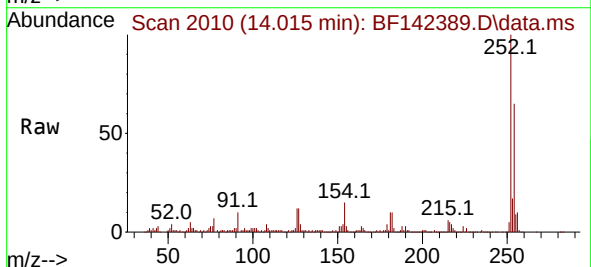
Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

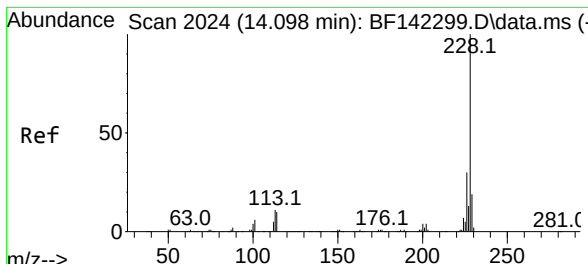
Tgt Ion:228 Resp: 990604
Ion Ratio Lower Upper
228 100
226 26.9 21.5 32.3
229 19.7 15.9 23.9



#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# 2015

Delta R.T. -0.006 min

Lab File: BF142389.D

Acq: 15 May 2025 12:47

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MSD

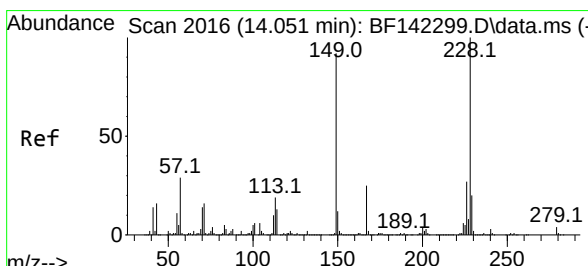
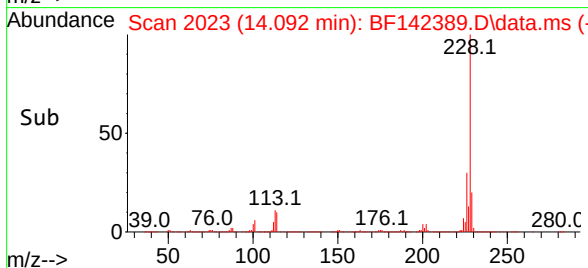
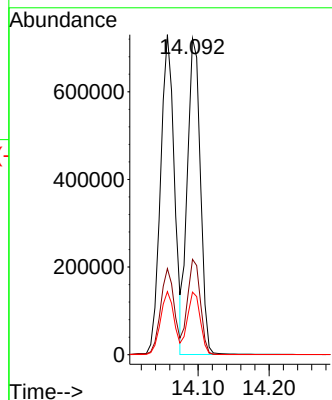
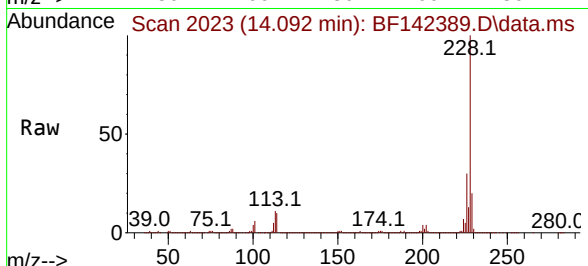
Tgt Ion:228 Resp: 918925

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

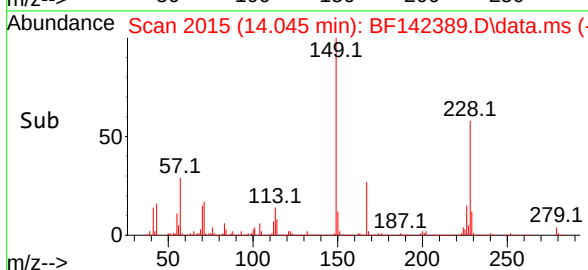
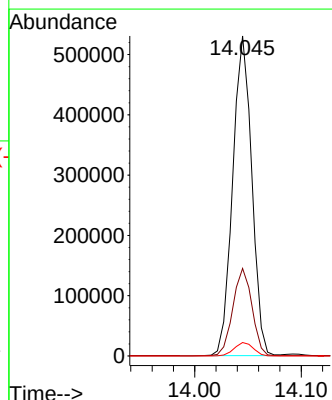
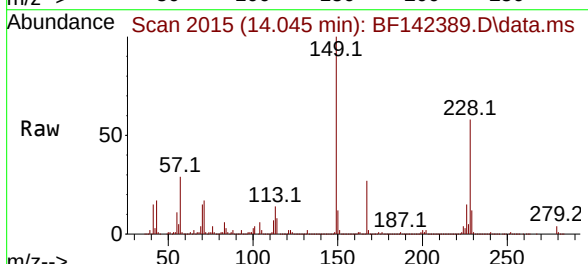
Tgt Ion:149 Resp: 661166

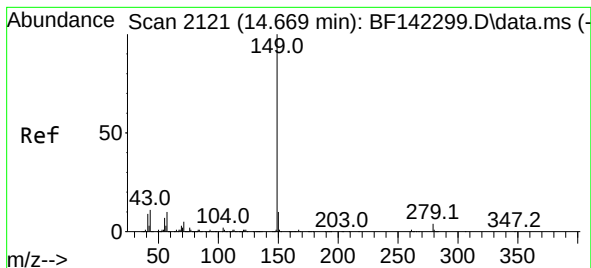
Ion Ratio Lower Upper

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# 2121

Delta R.T. -0.006 min

Lab File: BF142389.D

Acq: 15 May 2025 12:47

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MSD

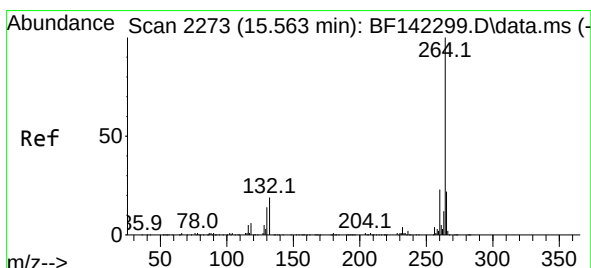
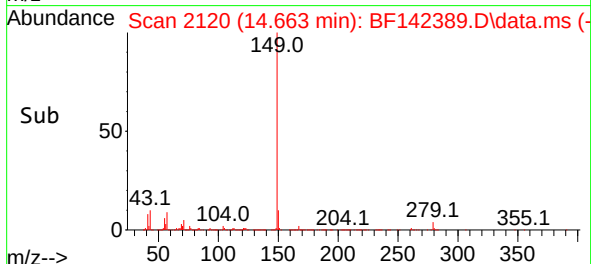
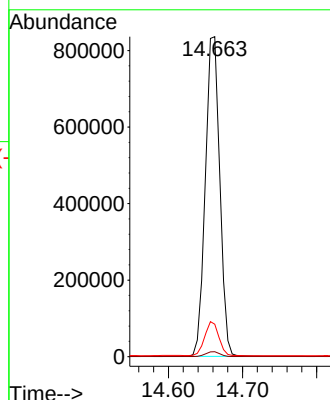
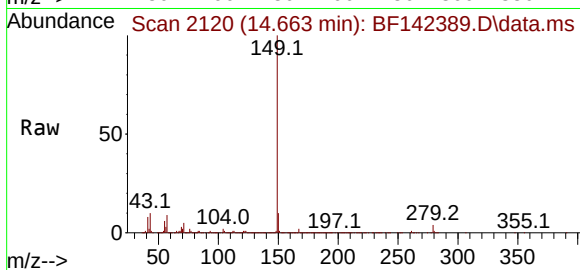
Tgt Ion:149 Resp: 1132929

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

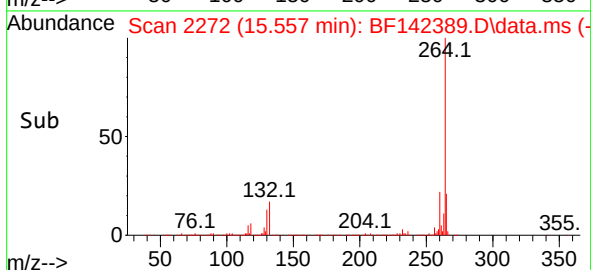
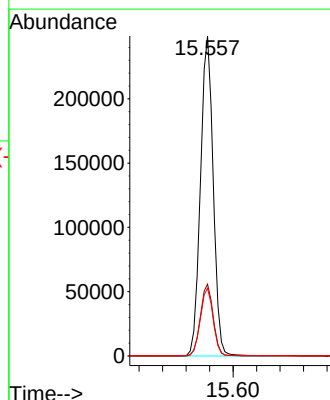
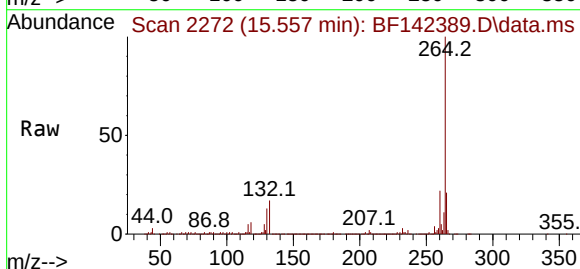
Tgt Ion:264 Resp: 374057

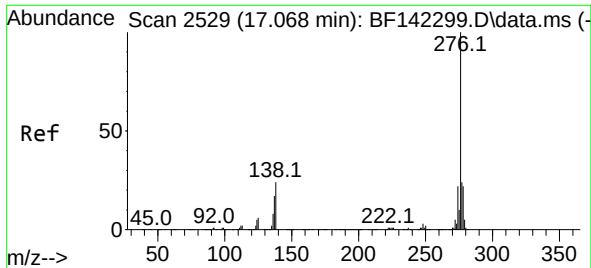
Ion Ratio Lower Upper

264 100

260 22.4 18.6 27.8

265 21.2 17.5 26.3

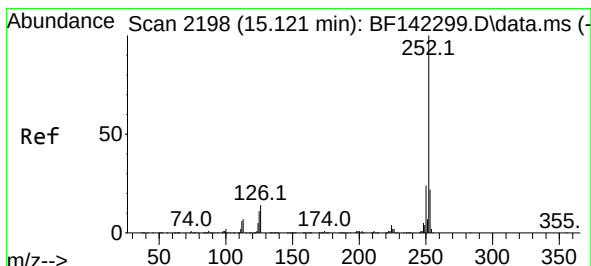
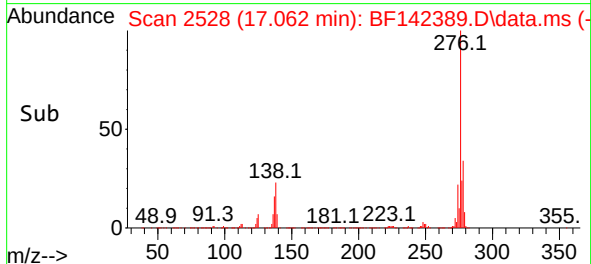
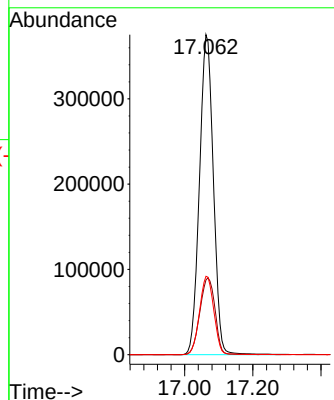
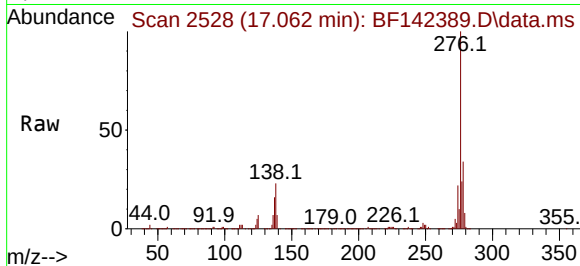




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 40.822 ng
 RT: 17.062 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BF142389.D
 Acq: 15 May 2025 12:47

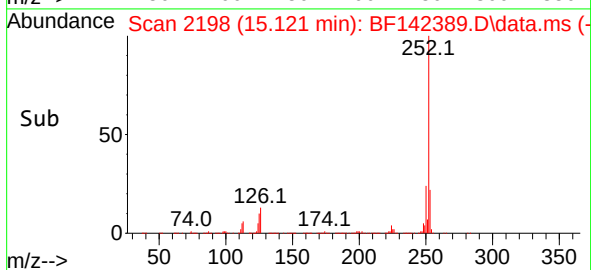
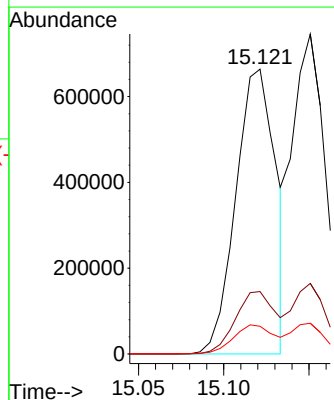
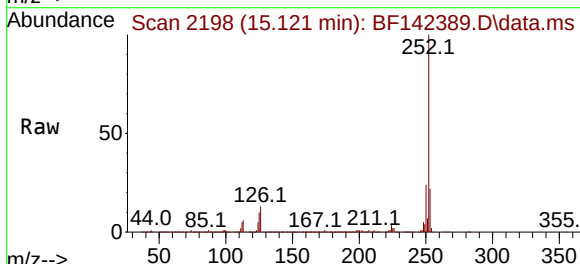
Instrument :
 BNA_F
 ClientSampleId :
 MW-3-20250508MSD

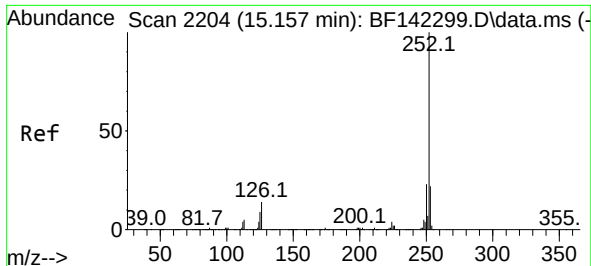
Tgt Ion:276 Resp: 1062226
 Ion Ratio Lower Upper
 276 100
 138 26.1 22.0 33.0
 277 25.2 20.1 30.1



#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# 21

Delta R.T. -0.006 min

Lab File: BF142389.D

Acq: 15 May 2025 12:47

Instrument :

BNA_F

ClientSampleId :

MW-3-20250508MSD

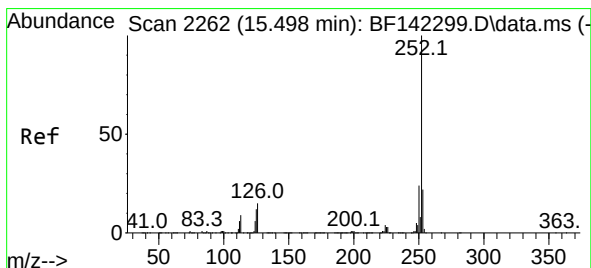
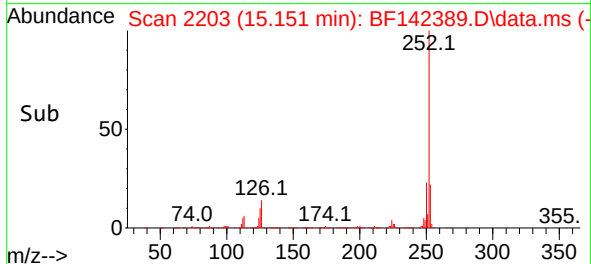
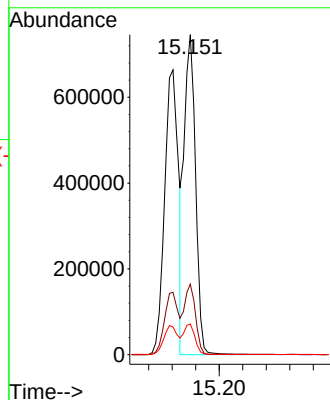
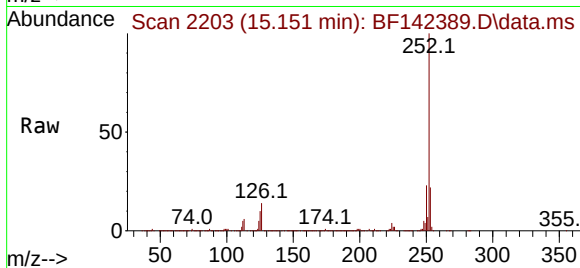
Tgt Ion:252 Resp: 1006024

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

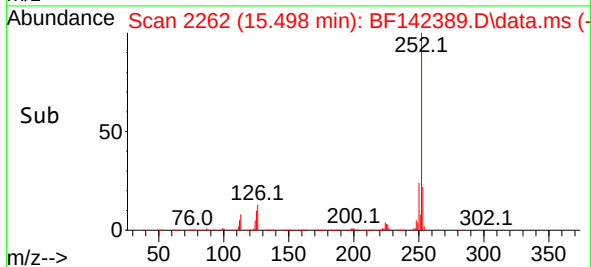
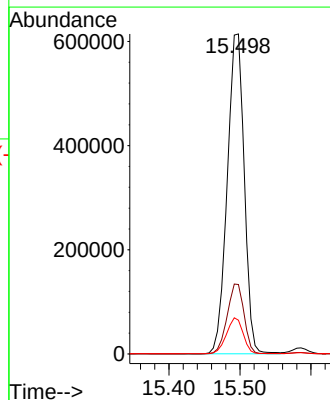
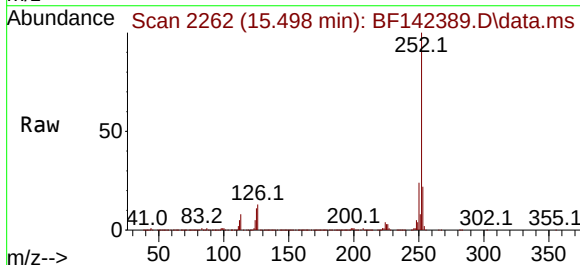
Tgt Ion:252 Resp: 1021358

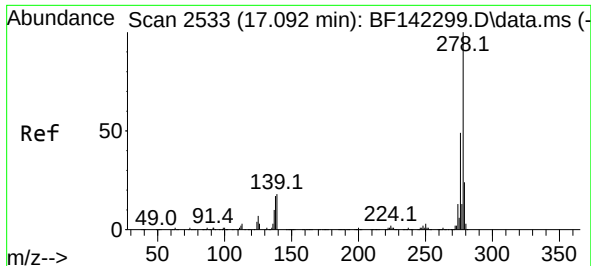
Ion Ratio Lower Upper

252 100

253 21.7 17.8 26.6

125 10.6 9.4 14.0

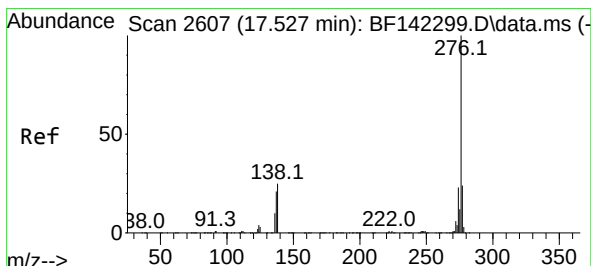
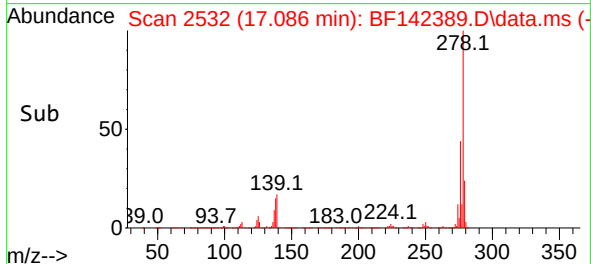
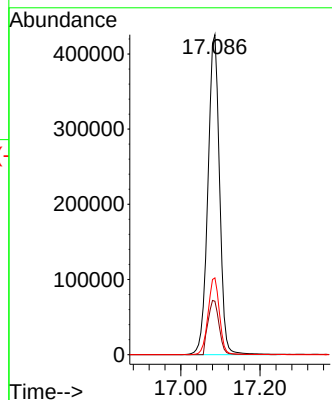
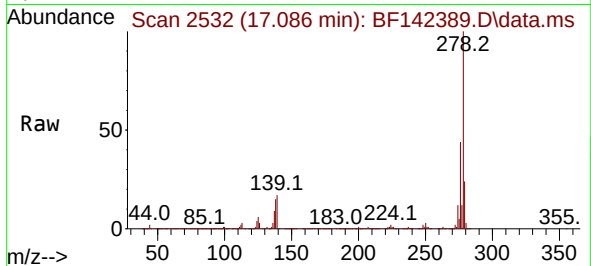




#91
Dibenzo(a,h)anthracene
Concen: 40.405 ng
RT: 17.086 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142389.D
Acq: 15 May 2025 12:47

Instrument :
BNA_F
ClientSampleId :
MW-3-20250508MSD

Tgt Ion: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

