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Cover Page

Order ID : P5362

Project ID : Con Ed Non-MGP - East River SI 453648

Client : PARSONS Main of New York, Inc.

Lab Sample Number	Client Sample Number
P5362-01	WC-SOIL-20241219
P5362-02	WC-SOIL-20241219

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

Signature : ________________________

Date: 1/2/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

DATA REPORTING QUALIFIERS- ORGANIC

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

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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **P5362**

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: NILESH PRAJAPATI **Date:** 01/02/2025

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LAB CHRONICLE

OrderID:	P5362	**OrderDate:**	12/20/2024 10:07:00 AM
Client:	PARSONS Main of New York, Inc.	**Project:**	Con Ed Non-MGP - East River SI 453648
Contact:	Stephen Liberatore	**Location:**	N21,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P5362-01	**WC-SOIL-20241219**	**SOIL**			**12/19/24**			**12/19/24**
			SVOC-TCL BNA -20	8270E		12/23/24	12/27/24	
P5362-02	**WC-SOIL-20241219**	**TCLP**			**12/19/24**			**12/19/24**
			TCLP BNA	8270E		12/27/24	12/30/24	

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Hit Summary Sheet
SW-846

SDG No.: P5362

Client: PARSONS Main of New York, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID :	**WC-SOIL-20241219**								
P5362-01	WC-SOIL-20241219	SOIL	Pyrene		92.700	J	90.2	180	ug/Kg
P5362-01	WC-SOIL-20241219	SOIL	Benzo(b)fluoranthene		97.900	J	88.1	180	ug/Kg
P5362-01	WC-SOIL-20241219	SOIL	Benzo(a)pyrene		150.000	JQ	100	180	ug/Kg
P5362-01	WC-SOIL-20241219	SOIL	Benzo(g,h,i)perylene		150.000	J	87	180	ug/Kg
			Total Svoc :		**490.60**				
P5362-01	WC-SOIL-20241219	SOIL	5-Eicosene, (E)-	*	170.000	J	0	0	ug/Kg
P5362-01	WC-SOIL-20241219	SOIL	Benzophenone	*	340.000	J	0	0	ug/Kg
P5362-01	WC-SOIL-20241219	SOIL	Dibenzo[def,mno]chrysene	*	120.000	J	0	0	ug/Kg
P5362-01	WC-SOIL-20241219	SOIL	n-Hexadecanoic acid	*	250.000	J	0	0	ug/Kg
P5362-01	WC-SOIL-20241219	SOIL	Perylene	*	150.000	J	0	0	ug/Kg
			Total Tics :		**1,030.00**				
			Total Concentration:		**1,520.60**				

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SW-846

SDG No.: **P5362**

Client: **PARSONS Main of New York, Inc.**

Analytical Method: **8270E**

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	High
P5362-01	WC-SOIL-20241219	2-Fluorophenol	150	115	76		18	112
		Phenol-d6	150	114	76		15	107
		Nitrobenzene-d5	100	96.0	96		18	107
		2-Fluorobiphenyl	100	75.5	75		20	109
		2,4,6-Tribromophenol	150	127	85		10	116
		Terphenyl-d14	100	79.2	79		10	105
P5362-01MS	WC-SOIL-20241219MS	2-Fluorophenol	150	106	71		18	112
		Phenol-d6	150	107	71		15	107
		Nitrobenzene-d5	100	89.0	89		18	107
		2-Fluorobiphenyl	100	71.8	72		20	109
		2,4,6-Tribromophenol	150	123	82		10	116
		Terphenyl-d14	100	74.3	74		10	105
P5362-01MSD	WC-SOIL-20241219MSD	2-Fluorophenol	150	105	70		18	112
		Phenol-d6	150	105	70		15	107
		Nitrobenzene-d5	100	87.5	88		18	107
		2-Fluorobiphenyl	100	69.9	70		20	109
		2,4,6-Tribromophenol	150	119	79		10	116
		Terphenyl-d14	100	72.6	73		10	105
PB165814BL	PB165814BL	2-Fluorophenol	150	131	88		18	112
		Phenol-d6	150	127	84		15	107
		Nitrobenzene-d5	100	109	109	*	18	107
		2-Fluorobiphenyl	100	90.7	91		20	109
		2,4,6-Tribromophenol	150	144	96		10	116
		Terphenyl-d14	100	83.3	83		10	105
PB165814BS	PB165814BS	2-Fluorophenol	150	142	95		18	112
		Phenol-d6	150	141	94		15	107
		Nitrobenzene-d5	100	117	117	*	18	107
		2-Fluorobiphenyl	100	96.4	96		20	109
		2,4,6-Tribromophenol	150	166	111		10	116
		Terphenyl-d14	100	99.9	100		10	105

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P5362

Client: PARSONS Main of New York, Inc.

Analytical Method: SW8270E

Lab Sample ID: P5362-01MS **Client Sample ID:** WC-SOIL-20241219MS **DataFile:** BF141002.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Benzaldehyde	1800	0	490	ug/Kg	27				10	86	
Phenol	1800	0	1900	ug/Kg	106				67	126	
bis(2-Chloroethyl)ether	1800	0	1700	ug/Kg	94				54	125	
2-Chlorophenol	1800	0	1900	ug/Kg	106				79	107	
2-Methylphenol	1800	0	1900	ug/Kg	106				66	122	
2,2-oxybis(1-Chloropropane)	1800	0	1800	ug/Kg	100				65	110	
Acetophenone	1800	0	1700	ug/Kg	94				75	111	
3+4-Methylphenols	1800	0	1800	ug/Kg	100				66	104	
N-Nitroso-di-n-propylamine	1800	0	1800	ug/Kg	100				59	119	
Hexachloroethane	1800	0	1800	ug/Kg	100				65	117	
Nitrobenzene	1800	0	2000	ug/Kg	111				70	119	
Isophorone	1800	0	1800	ug/Kg	100				76	122	
2-Nitrophenol	1800	0	2200	ug/Kg	122				54	145	
2,4-Dimethylphenol	1800	0	2200	ug/Kg	122				44	135	
bis(2-Chloroethoxy)methane	1800	0	1800	ug/Kg	100				68	112	
2,4-Dichlorophenol	1800	0	1900	ug/Kg	106				72	118	
Naphthalene	1800	0	1700	ug/Kg	94				72	110	
4-Chloroaniline	1800	0	350	ug/Kg	19				10	91	
Hexachlorobutadiene	1800	0	1700	ug/Kg	94				66	114	
Caprolactam	1800	0	1800	ug/Kg	100				51	134	
4-Chloro-3-methylphenol	1800	0	1900	ug/Kg	106				57	132	
2-Methylnaphthalene	1800	0	1800	ug/Kg	100				59	123	
Hexachlorocyclopentadiene	3600	0	4800	ug/Kg	133				10	175	
2,4,6-Trichlorophenol	1800	0	1900	ug/Kg	106				72	117	
2,4,5-Trichlorophenol	1800	0	1900	ug/Kg	106				72	117	
1,1-Biphenyl	1800	0	1800	ug/Kg	100				75	113	
2-Chloronaphthalene	1800	0	1700	ug/Kg	94				67	118	
2-Nitroaniline	1800	0	2100	ug/Kg	117				69	127	
Dimethylphthalate	1800	0	1900	ug/Kg	106				70	113	
Acenaphthylene	1800	0	1900	ug/Kg	106				79	118	
2,6-Dinitrotoluene	1800	0	2000	ug/Kg	111				70	125	
3-Nitroaniline	1800	0	990	ug/Kg	55				30	99	
Acenaphthene	1800	0	2000	ug/Kg	111				70	121	
2,4-Dinitrophenol	3600	0	3500	ug/Kg	97				10	155	
4-Nitrophenol	3600	0	3800	ug/Kg	106				45	133	
Dibenzofuran	1800	0	1800	ug/Kg	100				72	110	
2,4-Dinitrotoluene	1800	0	2100	ug/Kg	117				55	128	
Diethylphthalate	1800	0	1800	ug/Kg	100				70	112	
4-Chlorophenyl-phenylether	1800	0	1800	ug/Kg	100				71	108	
Fluorene	1800	0	1700	ug/Kg	94				68	116	
4-Nitroaniline	1800	0	1700	ug/Kg	94				55	120	
4,6-Dinitro-2-methylphenol	1800	0	2200	ug/Kg	122				10	160	
N-Nitrosodiphenylamine	1800	0	1900	ug/Kg	106				73	118	
4-Bromophenyl-phenylether	1800	0	2000	ug/Kg	111				65	121	
Hexachlorobenzene	1800	0	1900	ug/Kg	106				67	118	
Atrazine	1800	0	2300	ug/Kg	128	*			79	127	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: **P5362**

Client: **PARSONS Main of New York, Inc.**

Analytical Method: **SW8270E**

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Pentachlorophenol	3600	0	3700	ug/Kg	103				47	128	
Phenanthrene	1800	0	1900	ug/Kg	106				52	128	
Anthracene	1800	0	1900	ug/Kg	106				62	124	
Carbazole	1800	0	1700	ug/Kg	94				59	119	
Di-n-butylphthalate	1800	0	1900	ug/Kg	106				69	118	
Fluoranthene	1800	0	1600	ug/Kg	89				44	125	
Pyrene	1800	92.7	1900	ug/Kg	100				26	142	
Butylbenzylphthalate	1800	0	1900	ug/Kg	106				64	126	
3,3-Dichlorobenzidine	1800	0	1200	ug/Kg	67				33	116	
Benzo(a)anthracene	1800	0	1700	ug/Kg	94				71	114	
Chrysene	1800	0	1900	ug/Kg	106				57	121	
bis(2-Ethylhexyl)phthalate	1800	0	1900	ug/Kg	106				42	169	
Di-n-octyl phthalate	1800	0	2200	ug/Kg	122				23	175	
Benzo(b)fluoranthene	1800	97.9	1700	ug/Kg	89				67	121	
Benzo(k)fluoranthene	1800	0	2100	ug/Kg	117				57	134	
Benzo(a)pyrene	1800	150	2100	ug/Kg	108				70	142	
Indeno(1,2,3-cd)pyrene	1800	0	1800	ug/Kg	100				40	129	
Dibenz(a,h)anthracene	1800	0	1800	ug/Kg	100				43	123	
Benzo(g,h,i)perylene	1800	150	1600	ug/Kg	81				24	125	
1,2,4,5-Tetrachlorobenzene	1800	0	1800	ug/Kg	100				69	124	
1,4-Dioxane	1800	0	1700	ug/Kg	94				46	112	
2,3,4,6-Tetrachlorophenol	1800	0	2000	ug/Kg	111				69	112	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: P5362

Client: PARSONS Main of New York, Inc.

Analytical Method: SW8270E

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	RPD
Lab Sample ID: P5362-01MSD		**Client Sample ID: WC-SOIL-20241219MSD**						**DataFile: BF141003.D**			
Benzaldehyde	1800	0	480	ug/Kg	27		0		10	86	20
Phenol	1800	0	1900	ug/Kg	106		0		67	126	20
bis(2-Chloroethyl)ether	1800	0	1700	ug/Kg	94		0		54	125	20
2-Chlorophenol	1800	0	1800	ug/Kg	100		6		79	107	20
2-Methylphenol	1800	0	1800	ug/Kg	100		6		66	122	20
2,2-oxybis(1-Chloropropane)	1800	0	1800	ug/Kg	100		0		65	110	20
Acetophenone	1800	0	1700	ug/Kg	94		0		75	111	20
3+4-Methylphenols	1800	0	1800	ug/Kg	100		0		66	104	20
N-Nitroso-di-n-propylamine	1800	0	1800	ug/Kg	100		0		59	119	20
Hexachloroethane	1800	0	1700	ug/Kg	94		6		65	117	20
Nitrobenzene	1800	0	1900	ug/Kg	106		5		70	119	20
Isophorone	1800	0	1800	ug/Kg	100		0		76	122	20
2-Nitrophenol	1800	0	2100	ug/Kg	117		4		54	145	20
2,4-Dimethylphenol	1800	0	2100	ug/Kg	117		4		44	135	20
bis(2-Chloroethoxy)methane	1800	0	1700	ug/Kg	94		6		68	112	20
2,4-Dichlorophenol	1800	0	1800	ug/Kg	100		6		72	118	20
Naphthalene	1800	0	1700	ug/Kg	94		0		72	110	20
4-Chloroaniline	1800	0	410	ug/Kg	23		19		10	91	20
Hexachlorobutadiene	1800	0	1700	ug/Kg	94		0		66	114	20
Caprolactam	1800	0	1800	ug/Kg	100		0		51	134	20
4-Chloro-3-methylphenol	1800	0	1800	ug/Kg	100		6		57	132	20
2-Methylnaphthalene	1800	0	1700	ug/Kg	94		6		59	123	20
Hexachlorocyclopentadiene	3600	0	4400	ug/Kg	122		9		10	175	20
2,4,6-Trichlorophenol	1800	0	1900	ug/Kg	106		0		72	117	20
2,4,5-Trichlorophenol	1800	0	1800	ug/Kg	100		6		72	117	20
1,1-Biphenyl	1800	0	1700	ug/Kg	94		6		75	113	20
2-Chloronaphthalene	1800	0	1700	ug/Kg	94		0		67	118	20
2-Nitroaniline	1800	0	2100	ug/Kg	117		0		69	127	20
Dimethylphthalate	1800	0	1800	ug/Kg	100		6		70	113	20
Acenaphthylene	1800	0	1800	ug/Kg	100		6		79	118	20
2,6-Dinitrotoluene	1800	0	2000	ug/Kg	111		0		70	125	20
3-Nitroaniline	1800	0	1000	ug/Kg	56		2		30	99	20
Acenaphthene	1800	0	1900	ug/Kg	106		5		70	121	20
2,4-Dinitrophenol	3600	0	3500	ug/Kg	97		0		10	155	20
4-Nitrophenol	3600	0	3800	ug/Kg	106		0		45	133	20
Dibenzofuran	1800	0	1800	ug/Kg	100		0		72	110	20
2,4-Dinitrotoluene	1800	0	2100	ug/Kg	117		0		55	128	20
Diethylphthalate	1800	0	1800	ug/Kg	100		0		70	112	20
4-Chlorophenyl-phenylether	1800	0	1700	ug/Kg	94		6		71	108	20
Fluorene	1800	0	1700	ug/Kg	94		0		68	116	20
4-Nitroaniline	1800	0	1700	ug/Kg	94		0		55	120	20
4,6-Dinitro-2-methylphenol	1800	0	2100	ug/Kg	117		4		10	160	20
N-Nitrosodiphenylamine	1800	0	1900	ug/Kg	106		0		73	118	20
4-Bromophenyl-phenylether	1800	0	1900	ug/Kg	106		5		65	121	20
Hexachlorobenzene	1800	0	1900	ug/Kg	106		0		67	118	20
Atrazine	1800	0	2300	ug/Kg	128	*	0		79	127	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: **P5362**

Client: **PARSONS Main of New York, Inc.**

Analytical Method: **SW8270E**

		Sample				Rec		RPD		Limits	
Parameter	**Spike**	**Result**	**Result**	**Units**	**Rec**	**Qual**	**RPD**	**Qual**	**Low**	**High**	**RPD**
Pentachlorophenol	3600	0	3600	ug/Kg	100		3		47	128	20
Phenanthrene	1800	0	1900	ug/Kg	106		0		52	128	20
Anthracene	1800	0	1900	ug/Kg	106		0		62	124	20
Carbazole	1800	0	1600	ug/Kg	89		5		59	119	20
Di-n-butylphthalate	1800	0	1800	ug/Kg	100		6		69	118	20
Fluoranthene	1800	0	1600	ug/Kg	89		0		44	125	20
Pyrene	1800	92.7	1900	ug/Kg	100		0		26	142	20
Butylbenzylphthalate	1800	0	1900	ug/Kg	106		0		64	126	20
3,3-Dichlorobenzidine	1800	0	1200	ug/Kg	67		0		33	116	20
Benzo(a)anthracene	1800	0	1800	ug/Kg	100		6		71	114	20
Chrysene	1800	0	1800	ug/Kg	100		6		57	121	20
bis(2-Ethylhexyl)phthalate	1800	0	1900	ug/Kg	106		0		42	169	20
Di-n-octyl phthalate	1800	0	2200	ug/Kg	122		0		23	175	20
Benzo(b)fluoranthene	1800	97.9	1800	ug/Kg	95		7		67	121	20
Benzo(k)fluoranthene	1800	0	1800	ug/Kg	100		16		57	134	20
Benzo(a)pyrene	1800	150	2000	ug/Kg	103		5		70	142	20
Indeno(1,2,3-cd)pyrene	1800	0	1700	ug/Kg	94		6		40	129	20
Dibenz(a,h)anthracene	1800	0	1700	ug/Kg	94		6		43	123	20
Benzo(g,h,i)perylene	1800	150	1500	ug/Kg	75		8		24	125	20
1,2,4,5-Tetrachlorobenzene	1800	0	1700	ug/Kg	94		6		69	124	20
1,4-Dioxane	1800	0	1700	ug/Kg	94		0		46	112	20
2,3,4,6-Tetrachlorophenol	1800	0	1900	ug/Kg	106		5		69	112	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P5362

Client: PARSONS Main of New York, Inc.

Analytical Method: 8270E **DataFile:** BF140990.D

								RPD		Limits	
Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Qual	Low	High	RPD
PB165814BS	Benzaldehyde	1700	450	ug/Kg	26				10	133	
	Phenol	1700	1800	ug/Kg	106				62	112	
	bis(2-Chloroethyl)ether	1700	1700	ug/Kg	100				60	101	
	2-Chlorophenol	1700	1800	ug/Kg	106				65	112	
	2-Methylphenol	1700	1700	ug/Kg	100				61	108	
	2,2-oxybis(1-Chloropropane)	1700	1800	ug/Kg	106		*		51	100	
	Acetophenone	1700	1600	ug/Kg	94				66	98	
	3+4-Methylphenols	1700	1700	ug/Kg	100				58	111	
	N-Nitroso-di-n-propylamine	1700	1700	ug/Kg	100		*		63	95	
	Hexachloroethane	1700	1700	ug/Kg	100				72	108	
	Nitrobenzene	1700	1800	ug/Kg	106		*		57	101	
	Isophorone	1700	1700	ug/Kg	100		*		59	99	
	2-Nitrophenol	1700	1900	ug/Kg	112		*		61	111	
	2,4-Dimethylphenol	1700	2000	ug/Kg	118				46	141	
	bis(2-Chloroethoxy)methane	1700	1600	ug/Kg	94				66	97	
	2,4-Dichlorophenol	1700	1700	ug/Kg	100				62	107	
	Naphthalene	1700	1600	ug/Kg	94				62	100	
	4-Chloroaniline	1700	580	ug/Kg	34				16	100	
	Hexachlorobutadiene	1700	1600	ug/Kg	94				53	98	
	Caprolactam	1700	1700	ug/Kg	100				67	110	
	4-Chloro-3-methylphenol	1700	1700	ug/Kg	100				58	112	
	2-Methylnaphthalene	1700	1600	ug/Kg	94				60	104	
	Hexachlorocyclopentadiene	3300	6100	ug/Kg	185		*		45	165	
	2,4,6-Trichlorophenol	1700	1800	ug/Kg	106		*		59	102	
	2,4,5-Trichlorophenol	1700	1700	ug/Kg	100		*		61	98	
	1,1-Biphenyl	1700	1700	ug/Kg	100				57	103	
	2-Chloronaphthalene	1700	1600	ug/Kg	94				58	99	
	2-Nitroaniline	1700	1900	ug/Kg	112		*		66	101	
	Dimethylphthalate	1700	1700	ug/Kg	100		*		61	99	
	Acenaphthylene	1700	1800	ug/Kg	106		*		63	101	
	2,6-Dinitrotoluene	1700	1800	ug/Kg	106		*		61	104	
	3-Nitroaniline	1700	1100	ug/Kg	65				28	100	
	Acenaphthene	1700	1800	ug/Kg	106		*		57	104	
	2,4-Dinitrophenol	3300	3400	ug/Kg	103				37	128	
	4-Nitrophenol	3300	4000	ug/Kg	121		*		48	119	
	Dibenzofuran	1700	1700	ug/Kg	100		*		63	99	
	2,4-Dinitrotoluene	1700	2000	ug/Kg	118		*		60	106	
	Diethylphthalate	1700	1700	ug/Kg	100				60	101	
	4-Chlorophenyl-phenylether	1700	1600	ug/Kg	94				58	98	
	Fluorene	1700	1600	ug/Kg	94				61	101	
	4-Nitroaniline	1700	1800	ug/Kg	106		*		64	103	
	4,6-Dinitro-2-methylphenol	1700	2000	ug/Kg	118		*		76	113	
	N-Nitrosodiphenylamine	1700	1700	ug/Kg	100		*		71	99	
	4-Bromophenyl-phenylether	1700	1800	ug/Kg	106		*		66	102	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: **P5362**

Client: **PARSONS Main of New York, Inc.**

Analytical Method: **8270E** **DataFile:** BF140990.D

								RPD	Limits		
Lab Sample ID	**Parameter**	**Spike**	**Result**	**Unit**	**Rec**	**RPD**	**Qual**	**Qual**	**Low**	**High**	**RPD**
PB165814BS	Hexachlorobenzene	1700	1700	ug/Kg	100		*		64	98	
	Atrazine	1700	2200	ug/Kg	129				47	152	
	Pentachlorophenol	3300	3500	ug/Kg	106		*		67	105	
	Phenanthrene	1700	1700	ug/Kg	100				59	103	
	Anthracene	1700	1800	ug/Kg	106		*		61	105	
	Carbazole	1700	1700	ug/Kg	100		*		61	99	
	Di-n-butylphthalate	1700	1700	ug/Kg	100				58	104	
	Fluoranthene	1700	1600	ug/Kg	94				57	107	
	Pyrene	1700	1600	ug/Kg	94				59	103	
	Butylbenzylphthalate	1700	1800	ug/Kg	106		*		55	103	
	3,3-Dichlorobenzidine	1700	920	ug/Kg	54				42	91	
	Benzo(a)anthracene	1700	1600	ug/Kg	94				60	102	
	Chrysene	1700	1700	ug/Kg	100				59	101	
	bis(2-Ethylhexyl)phthalate	1700	1700	ug/Kg	100				54	135	
	Di-n-octyl phthalate	1700	1800	ug/Kg	106				52	137	
	Benzo(b)fluoranthene	1700	1600	ug/Kg	94				62	109	
	Benzo(k)fluoranthene	1700	2000	ug/Kg	118		*		62	109	
	Benzo(a)pyrene	1700	1900	ug/Kg	112		*		63	103	
	Indeno(1,2,3-cd)pyrene	1700	1900	ug/Kg	112		*		63	101	
	Dibenz(a,h)anthracene	1700	1900	ug/Kg	112				61	112	
	Benzo(g,h,i)perylene	1700	1700	ug/Kg	100				70	108	
	1,2,4,5-Tetrachlorobenzene	1700	1700	ug/Kg	100				53	101	
	1,4-Dioxane	1700	1500	ug/Kg	88				50	96	
	2,3,4,6-Tetrachlorophenol	1700	1900	ug/Kg	112		*		59	108	

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB165814BL

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM Case No.: P5362 SAS No.: P5362 SDG NO.: P5362

Lab File ID: BF140989.D Lab Sample ID: PB165814BL

Instrument ID: BNA_F Date Extracted: 12/23/2024

Matrix: (soil/water) SOIL Date Analyzed: 12/27/2024

Level: (low/med) LOW Time Analyzed: 11:48

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB165814BS	PB165814BS	BF140990.D	12/27/2024
WC-SOIL-20241219MSD	P5362-01MSD	BF141003.D	12/27/2024
WC-SOIL-20241219	P5362-01	BF141001.D	12/27/2024
WC-SOIL-20241219MS	P5362-01MS	BF141002.D	12/27/2024

COMMENTS:

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5B
SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM SAS No.: P5362 SDG NO.: P5362

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

Instrument ID: BNA_F DFTPP Injection Time: 15:57

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	38.4
68	Less than 2.0% of mass 69	0.6 (1.7) 1
69	Mass 69 relative abundance	35.5
70	Less than 2.0% of mass 69	0.2 (0.4) 1
127	10.0 - 80.0% of mass 198	47.8
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.6
275	10.0 - 60.0% of mass 198	27.2
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	14.3
442	Greater than 50% of mass 198	90.5
443	15.0 - 24.0% of mass 442	17.8 (19.7) 2

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

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

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

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH　　Contract: PARS02

Lab Code: CHEM　　SAS No.: P5362　　SDG NO.: P5362

Lab File ID: BF140980.D　　DFTPP Injection Date: 12/27/2024

Instrument ID: BNA_F　　DFTPP Injection Time: 07:54

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	37.9
68	Less than 2.0% of mass 69	0.7 (1.9) 1
69	Mass 69 relative abundance	35.9
70	Less than 2.0% of mass 69	0.2 (0.5) 1
127	10.0 - 80.0% of mass 198	47.8
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.7
275	10.0 - 60.0% of mass 198	28.1
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	14.8
442	Greater than 50% of mass 198	94.4
443	15.0 - 24.0% of mass 442	18.3 (19.3) 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	BF140981.D	12/27/2024	08:19
PB165814BL	PB165814BL	BF140989.D	12/27/2024	11:48
PB165814BS	PB165814BS	BF140990.D	12/27/2024	12:14

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH   Contract: PARS02

Lab Code: CHEM   SAS No.: P5362   SDG NO.: P5362

Lab File ID: BF140993.D   DFTPP Injection Date: 12/27/2024

Instrument ID: BNA_F   DFTPP Injection Time: 13:33

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	10.0 - 80.0% of mass 198	39.9
68	Less than 2.0% of mass 69	0.7 (1.8) 1
69	Mass 69 relative abundance	37.1
70	Less than 2.0% of mass 69	0.2 (0.6) 1
127	10.0 - 80.0% of mass 198	49
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	27.3
365	Greater than 1% of mass 198	3.5
441	Present, but less than mass 443	13.2
442	Greater than 50% of mass 198	84.7
443	15.0 - 24.0% of mass 442	16.2 (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	BF140994.D	12/27/2024	13:59
WC-SOIL-20241219	P5362-01	BF141001.D	12/27/2024	17:21
WC-SOIL-20241219MS	P5362-01MS	BF141002.D	12/27/2024	17:46
WC-SOIL-20241219MSD	P5362-01MSD	BF141003.D	12/27/2024	18:13

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P5362 SAS No.: P5362 SDG NO.: P5362

EPA Sample No.: SSTDCCC040 Date Analyzed: 12/27/2024

Lab File ID: BF140981.D Time Analyzed: 08:19

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	281239	6.828	1080100	8.11	567563	9.86
	UPPER LIMIT	562478	7.328	2160200	8.61	1135130	10.363
	LOWER LIMIT	140620	6.328	540050	7.61	283782	9.363
	EPA SAMPLE NO.						
01	PB165814BL	273904	6.83	1090160	8.10	581774	9.86
02	PB165814BS	251701	6.83	1024350	8.11	541141	9.86

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P5362 SAS No.: P5362 SDG NO.: P5362

EPA Sample No.: SSTDCCC040 Date Analyzed: 12/27/2024

Lab File ID: BF140981.D Time Analyzed: 08:19

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	1005110	11.345	657302	13.986	544134	15.439
	UPPER LIMIT	2010220	11.845	1314600	14.486	1088270	15.939
	LOWER LIMIT	502555	10.845	328651	13.486	272067	14.939
	EPA SAMPLE NO.						
01	PB165814BL	982068	11.35	752306	13.98	594165	15.44
02	PB165814BS	919053	11.35	633131	13.99	527325	15.44

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

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

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

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P5362 SAS No.: P5362 SDG NO.: P5362

EPA Sample No.: SSTDCCC040 Date Analyzed: 12/27/2024

Lab File ID: BF140994.D Time Analyzed: 13:59

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	288140	6.828	1113820	8.11	585823	9.86
	UPPER LIMIT	576280	7.328	2227640	8.61	1171650	10.363
	LOWER LIMIT	144070	6.328	556910	7.61	292912	9.363
	EPA SAMPLE NO.						
01	WC-SOIL-20241219	238861	6.82	951783	8.10	518878	9.86
02	WC-SOIL-20241219MS	257040	6.82	1034310	8.11	555359	9.86
03	WC-SOIL-20241219MSD	253419	6.82	1023390	8.10	549521	9.86

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

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

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

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8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: P5362 SAS No.: P5362 SDG NO.: P5362

EPA Sample No.: SSTDCCC040 Date Analyzed: 12/27/2024

Lab File ID: BF140994.D Time Analyzed: 13:59

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	1000380	11.345	654182	13.986	576625	15.433
	UPPER LIMIT	2000760	11.845	1308360	14.486	1153250	15.933
	LOWER LIMIT	500190	10.845	327091	13.486	288313	14.933
	EPA SAMPLE NO.						
01	WC-SOIL-20241219	859465	11.34	501333	13.97	533337	15.43
02	WC-SOIL-20241219MS	906851	11.35	514884	13.98	567943	15.43
03	WC-SOIL-20241219MSD	894495	11.35	509383	13.98	560831	15.44

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

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

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

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SAMPLE DATA

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Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	12/19/24
Project:	Con Ed Non-MGP - East River SI 453648	Date Received:	12/19/24
Client Sample ID:	WC-SOIL-20241219	SDG No.:	P5362
Lab Sample ID:	P5362-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141001.D	1	12/23/24 09:35	12/27/24 17:21	PB165814

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	200	U	200	360	ug/Kg
108-95-2	Phenol	90.0	U	90.0	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	90.9	U	90.9	180	ug/Kg
95-57-8	2-Chlorophenol	90.7	U	90.7	180	ug/Kg
95-48-7	2-Methylphenol	87.6	U	87.6	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	98.7	UQ	98.7	180	ug/Kg
98-86-2	Acetophenone	94.4	U	94.4	180	ug/Kg
65794-96-9	3+4-Methylphenols	86.7	U	86.7	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	43.8	UQ	43.8	86.9	ug/Kg
67-72-1	Hexachloroethane	90.2	U	90.2	180	ug/Kg
98-95-3	Nitrobenzene	98.6	UQ	98.6	180	ug/Kg
78-59-1	Isophorone	91.9	UQ	91.9	180	ug/Kg
88-75-5	2-Nitrophenol	100	UQ	100	180	ug/Kg
105-67-9	2,4-Dimethylphenol	100	U	100	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	93.2	U	93.2	180	ug/Kg
120-83-2	2,4-Dichlorophenol	82.0	U	82.0	180	ug/Kg
91-20-3	Naphthalene	89.7	U	89.7	180	ug/Kg
106-47-8	4-Chloroaniline	89.7	U	89.7	180	ug/Kg
87-68-3	Hexachlorobutadiene	90.5	U	90.5	180	ug/Kg
105-60-2	Caprolactam	94.3	U	94.3	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	84.2	U	84.2	180	ug/Kg
91-57-6	2-Methylnaphthalene	89.6	U	89.6	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	170	UQ	170	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	77.6	UQ	77.6	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	80.4	UQ	80.4	180	ug/Kg
92-52-4	1,1-Biphenyl	94.9	U	94.9	180	ug/Kg
91-58-7	2-Chloronaphthalene	90.5	U	90.5	180	ug/Kg
88-74-4	2-Nitroaniline	100	UQ	100	180	ug/Kg
131-11-3	Dimethylphthalate	88.7	UQ	88.7	180	ug/Kg

Raw Data: **BF141001.D**

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Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	12/19/24
Project:	Con Ed Non-MGP - East River SI 453648	Date Received:	12/19/24
Client Sample ID:	WC-SOIL-20241219	SDG No.:	P5362
Lab Sample ID:	P5362-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141001.D	1	12/23/24 09:35	12/27/24 17:21	PB165814

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	94.0	UQ	94.0	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	90.4	UQ	90.4	180	ug/Kg
99-09-2	3-Nitroaniline	96.9	U	96.9	180	ug/Kg
83-32-9	Acenaphthene	88.1	UQ	88.1	180	ug/Kg
51-28-5	2,4-Dinitrophenol	260	U	260	360	ug/Kg
100-02-7	4-Nitrophenol	130	UQ	130	360	ug/Kg
132-64-9	Dibenzofuran	91.7	UQ	91.7	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	93.6	UQ	93.6	180	ug/Kg
84-66-2	Diethylphthalate	87.0	U	87.0	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	93.0	U	93.0	180	ug/Kg
86-73-7	Fluorene	92.9	U	92.9	180	ug/Kg
100-01-6	4-Nitroaniline	120	UQ	120	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	130	UQ	130	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	88.6	UQ	88.6	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	85.7	UQ	85.7	180	ug/Kg
118-74-1	Hexachlorobenzene	92.3	UQ	92.3	180	ug/Kg
1912-24-9	Atrazine	99.3	U	99.3	180	ug/Kg
87-86-5	Pentachlorophenol	84.0	UQ	84.0	360	ug/Kg
85-01-8	Phenanthrene	91.2	U	91.2	180	ug/Kg
120-12-7	Anthracene	91.7	UQ	91.7	180	ug/Kg
86-74-8	Carbazole	87.2	UQ	87.2	180	ug/Kg
84-74-2	Di-n-butylphthalate	91.6	U	91.6	180	ug/Kg
206-44-0	Fluoranthene	88.7	U	88.7	180	ug/Kg
129-00-0	Pyrene	92.7	J	90.2	180	ug/Kg
85-68-7	Butylbenzylphthalate	110	UQ	110	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	110	U	110	360	ug/Kg
56-55-3	Benzo(a)anthracene	87.7	U	87.7	180	ug/Kg
218-01-9	Chrysene	86.4	U	86.4	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	98.8	U	98.8	180	ug/Kg
117-84-0	Di-n-octyl phthalate	120	U	120	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	97.9	J	88.1	180	ug/Kg

Raw Data: **BF141001.D**

Alliance TECHNICAL GROUP

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

Report of Analysis

Client:	PARSONS Main of New York, Inc.			Date Collected:	12/19/24
Project:	Con Ed Non-MGP - East River SI 453648			Date Received:	12/19/24
Client Sample ID:	WC-SOIL-20241219			SDG No.:	P5362
Lab Sample ID:	P5362-01			Matrix:	SOIL
Analytical Method:	SW8270			% Solid:	92
Sample Wt/Vol:	30.02	Units:	g	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOC-TCL BNA -20
Extraction Type :		Decanted :	N	Level :	LOW
Injection Volume :		GPC Factor :	1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141001.D	1	12/23/24 09:35	12/27/24 17:21	PB165814

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	89.7	UQ	89.7	180	ug/Kg
50-32-8	Benzo(a)pyrene	150	JQ	100	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	84.8	UQ	84.8	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	88.2	U	88.2	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	150	J	87.0	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	94.3	U	94.3	180	ug/Kg
123-91-1	1,4-Dioxane	120	U	120	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	81.1	UQ	81.1	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	115		18 - 112	76%	SPK: 150
13127-88-3	Phenol-d6	114		15 - 107	76%	SPK: 150
4165-60-0	Nitrobenzene-d5	96.0		18 - 107	96%	SPK: 100
321-60-8	2-Fluorobiphenyl	75.5		20 - 109	75%	SPK: 100
118-79-6	2,4,6-Tribromophenol	127		10 - 116	85%	SPK: 150
1718-51-0	Terphenyl-d14	79.2		10 - 105	79%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	239000	6.822			
1146-65-2	Naphthalene-d8	952000	8.104			
15067-26-2	Acenaphthene-d10	519000	9.857			
1517-22-2	Phenanthrene-d10	859000	11.339			
1719-03-5	Chrysene-d12	501000	13.974			
1520-96-3	Perylene-d12	533000	15.433			
TENTATIVE IDENTIFIED COMPOUNDS						
000119-61-9	Benzophenone	340	J		10.6	ug/Kg
000057-10-3	n-Hexadecanoic acid	250	J		11.9	ug/Kg
074685-30-6	5-Eicosene, (E)-	170	J		13.8	ug/Kg
000198-55-0	Perylene	150	J		15.3	ug/Kg
000191-26-4	Dibenzo[def,mno]chrysene	120	J		16.9	ug/Kg

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Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	12/19/24
Project:	Con Ed Non-MGP - East River SI 453648	Date Received:	12/19/24
Client Sample ID:	WC-SOIL-20241219	SDG No.:	P5362
Lab Sample ID:	P5362-01	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92
Sample Wt/Vol:	30.02 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141001.D	1	12/23/24 09:35	12/27/24 17:21	PB165814

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

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF141001.D
Acq On : 27 Dec 2024 17:21
Operator : RC/JU
Sample : P5362-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Dec 27 17:48:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	6.822	152	238861	20.000 ng	0.00
21) Naphthalene-d8	8.104	136	951783	20.000 ng	0.00
39) Acenaphthene-d10	9.857	164	518878	20.000 ng	0.00
64) Phenanthrene-d10	11.339	188	859465	20.000 ng	0.00
76) Chrysene-d12	13.974	240	501333	20.000 ng	-0.01
86) Perylene-d12	15.433	264	533337	20.000 ng	-0.01
System Monitoring Compounds					
5) 2-Fluorophenol	5.434	112	1818075	114.733 ng	0.00
7) Phenol-d6	6.439	99	2322021	113.751 ng	-0.01
23) Nitrobenzene-d5	7.381	82	1428709	96.036 ng	-0.01
42) 2,4,6-Tribromophenol	10.645	330	642160	127.363 ng	0.00
45) 2-Fluorobiphenyl	9.180	172	2457979	75.473 ng	0.00
79) Terphenyl-d14	12.927	244	2391787	79.244 ng	0.00
Target Compounds					Qvalue
78) Pyrene	12.780	202	112203	2.559 ng	98
88) Benzo(b)fluoranthene	15.010	252	100564m	2.704 ng	
90) Benzo(a)pyrene	15.368	252	115841	4.012 ng	100
92) Benzo(g,h,i)perylene	17.298	276	119214	4.220 ng	99

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

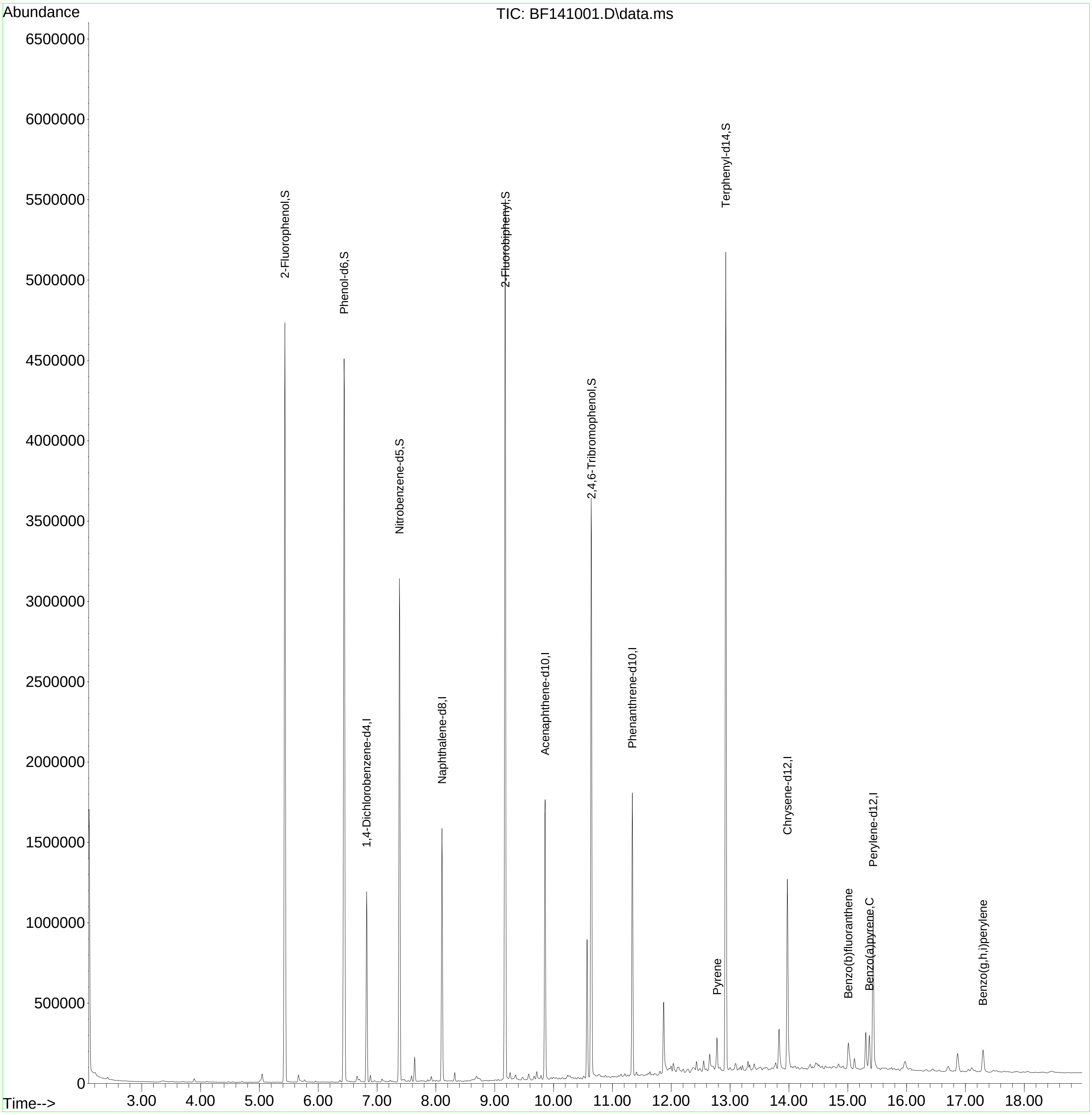
Sample Results: **BF141001.D**

```
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF141001.D
Acq On    : 27 Dec 2024  17:21
Operator  : RC/JU
Sample    : P5362-01
Misc      :
ALS Vial  : 9   Sample Multiplier: 1

Quant Time: Dec 27 17:48:16 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration
```

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219

Manual Integrations
APPROVED
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219

Manual Integrations
APPROVED

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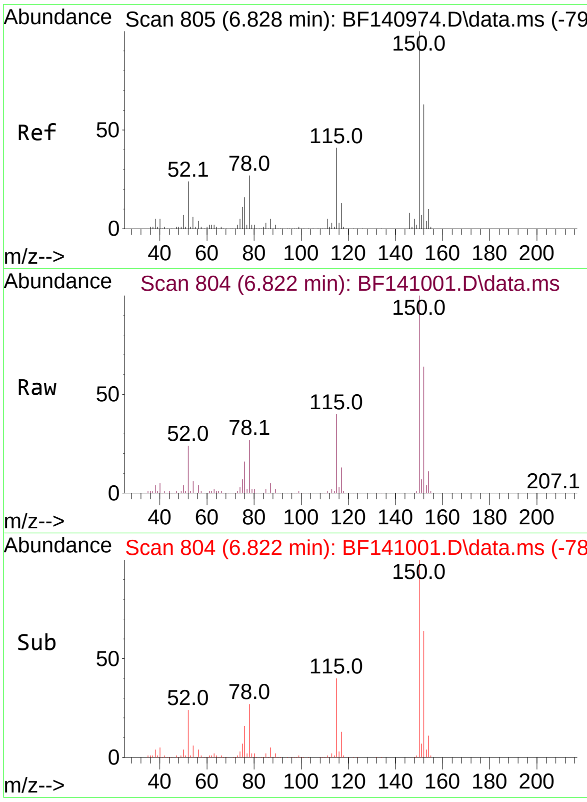
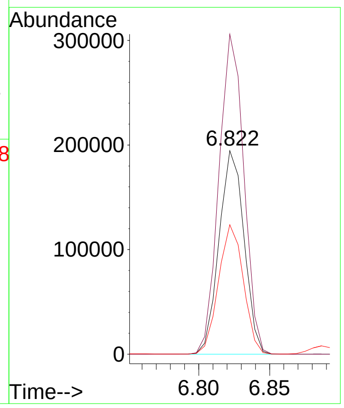
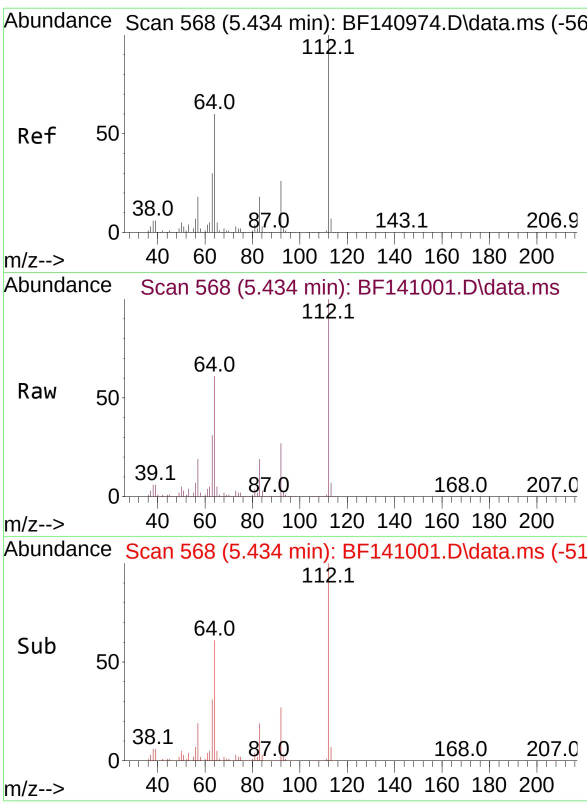


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 8(
Delta R.T. -0.006 min
Lab File: BF141001.D
Acq: 27 Dec 2024 17:21

Tgt Ion:152 Resp: 23886

Ion	Ratio	Lower	Upper
152	100		
150	157.2	127.0	190.6
115	63.6	51.7	77.5

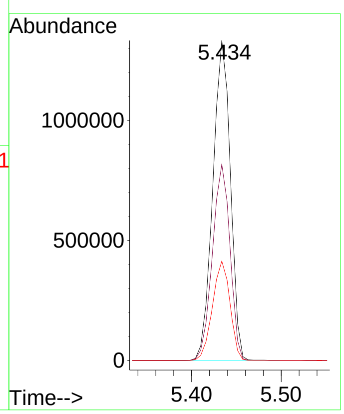




#5
2-Fluorophenol
Concen: 114.733 ng
RT: 5.434 min Scan# 568
Delta R.T. -0.000 min
Lab File: BF141001.D
Acq: 27 Dec 2024 17:21

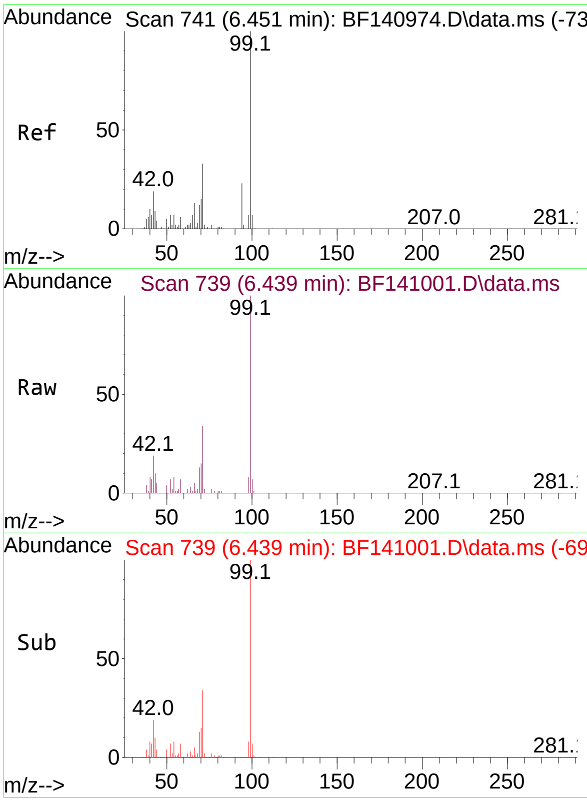
Tgt Ion:112 Resp: 1818075

Ion	Ratio	Lower	Upper
112	100		
64	61.3	47.7	71.5
63	31.1	24.2	36.2



Instrument : BNA_F
ClientSampleId : WC-SOIL-20241219

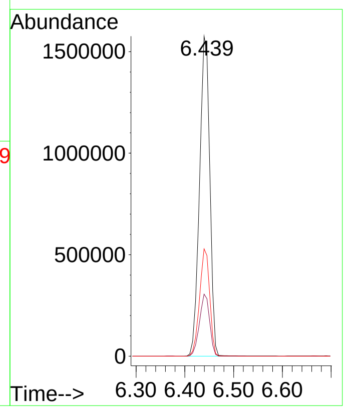
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

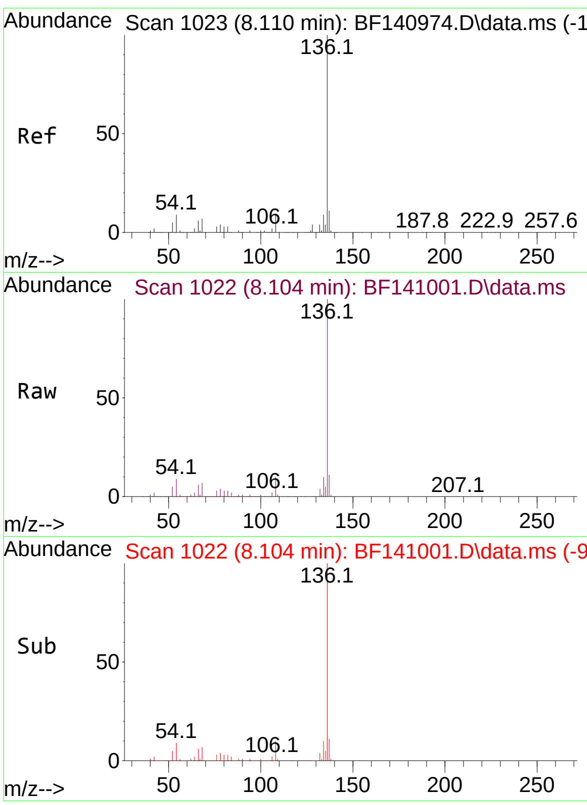


#7
Phenol-d6
Concen: 113.751 ng
RT: 6.439 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF141001.D
Acq: 27 Dec 2024 17:21

Tgt Ion: 99 Resp: 232202

Ion	Ratio	Lower	Upper
99	100		
42	19.4	15.0	22.4
71	33.6	26.2	39.2

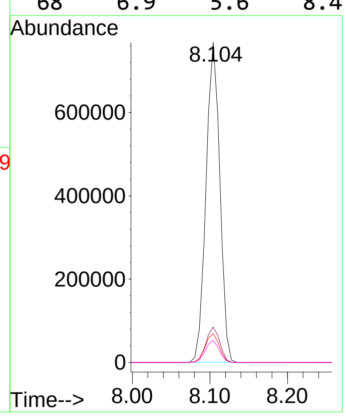




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF141001.D
Acq: 27 Dec 2024 17:21

Tgt Ion:136 Resp: 951783

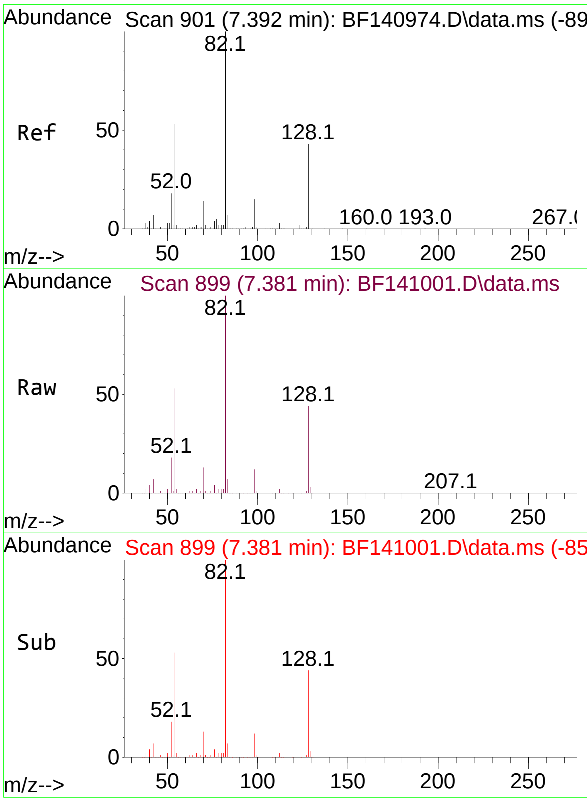
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	9.0	7.6	11.4
68	6.9	5.6	8.4



Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219

Manual Integrations APPROVED

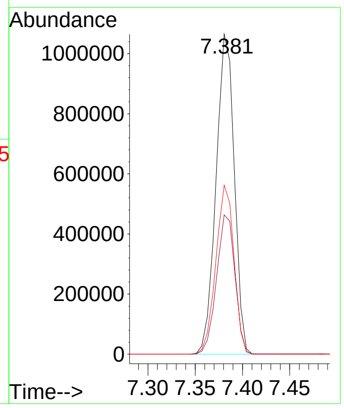
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

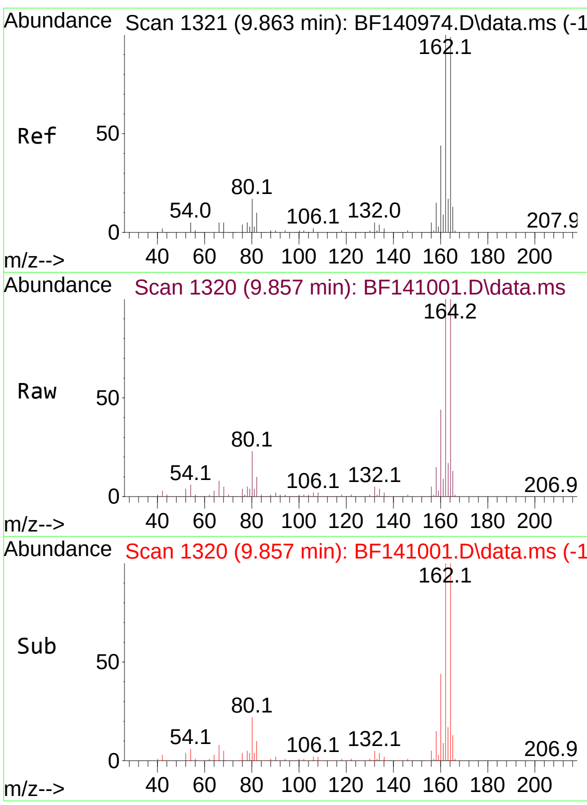


#23
Nitrobenzene-d5
Concen: 96.036 ng
RT: 7.381 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF141001.D
Acq: 27 Dec 2024 17:21

Tgt Ion: 82 Resp: 142870

Ion	Ratio	Lower	Upper
82	100		
128	43.6	34.4	51.6
54	52.8	42.4	63.6

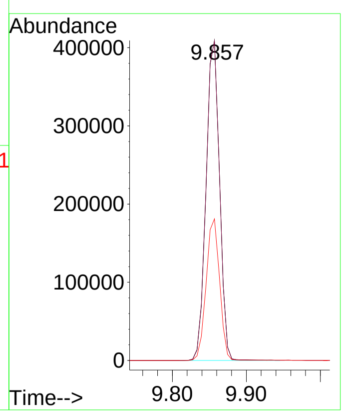




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF141001.D
Acq: 27 Dec 2024 17:21

Tgt Ion:164 Resp: 518878

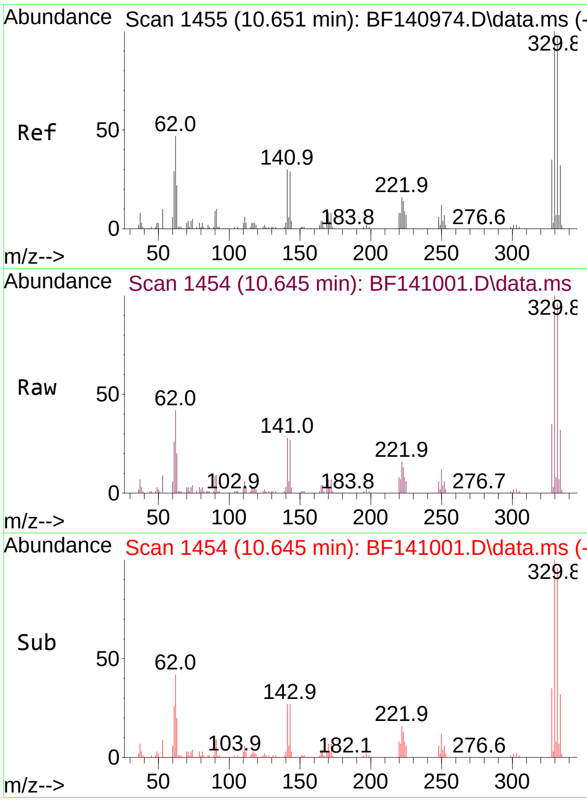
Ion	Ratio	Lower	Upper
164	100		
162	99.8	80.6	120.8
160	44.3	35.7	53.5



Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219

Manual Integrations APPROVED

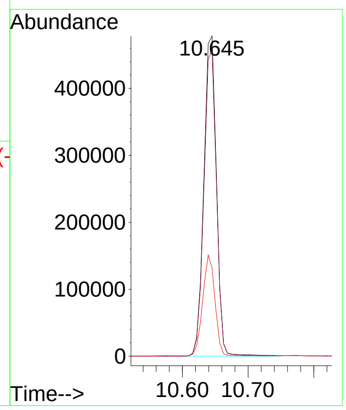
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

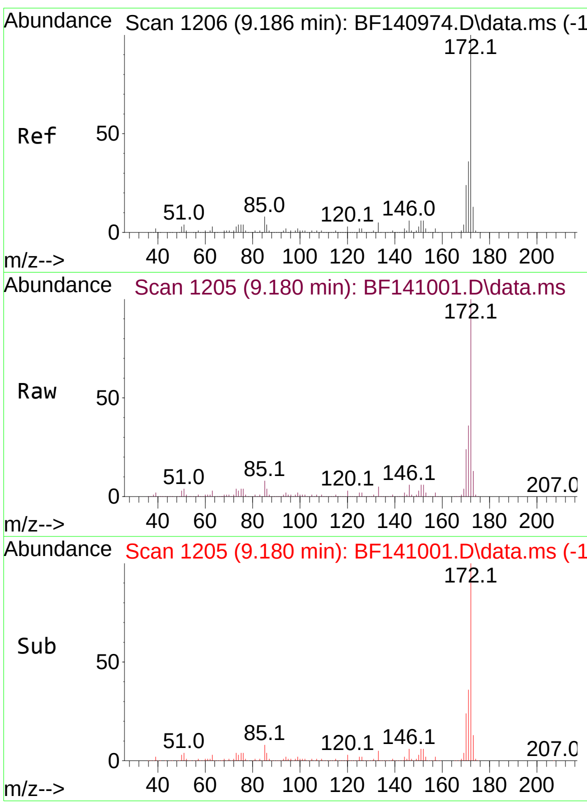


#42
2,4,6-Tribromophenol
Concen: 127.363 ng
RT: 10.645 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141001.D
Acq: 27 Dec 2024 17:21

Tgt Ion:330 Resp: 64216

Ion	Ratio	Lower	Upper
330	100		
332	95.3	78.0	117.0
141	30.7	26.4	39.6

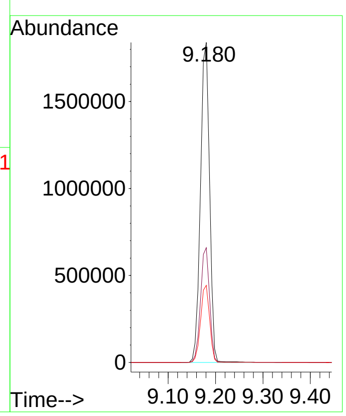




#45
2-Fluorobiphenyl
Concen: 75.473 ng
RT: 9.180 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF141001.D
Acq: 27 Dec 2024 17:21

Tgt Ion:172 Resp: 2457979

Ion	Ratio	Lower	Upper
172	100		
171	35.9	29.0	43.4
170	24.1	19.6	29.4



Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219

Manual Integrations
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Reviewed By :Yogesh Patel 12/30/2024
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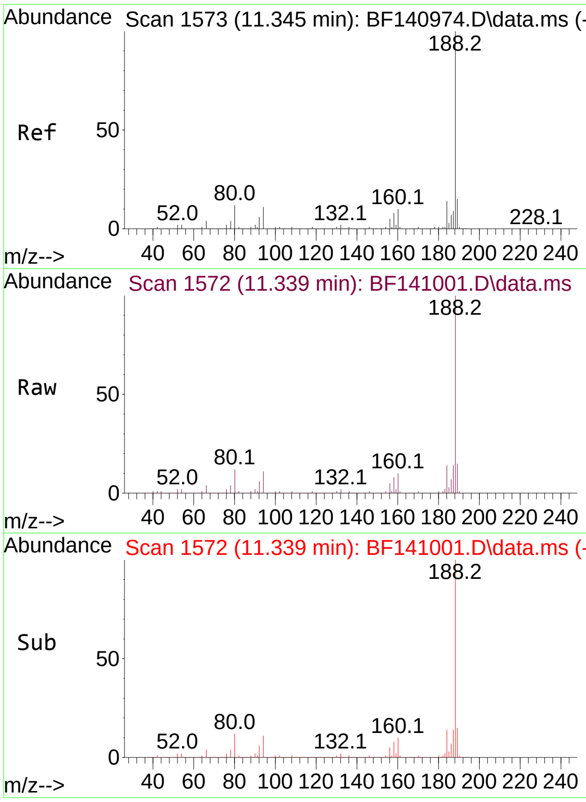
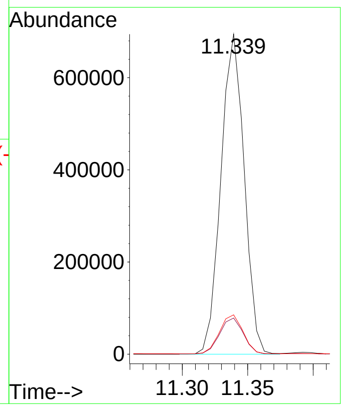
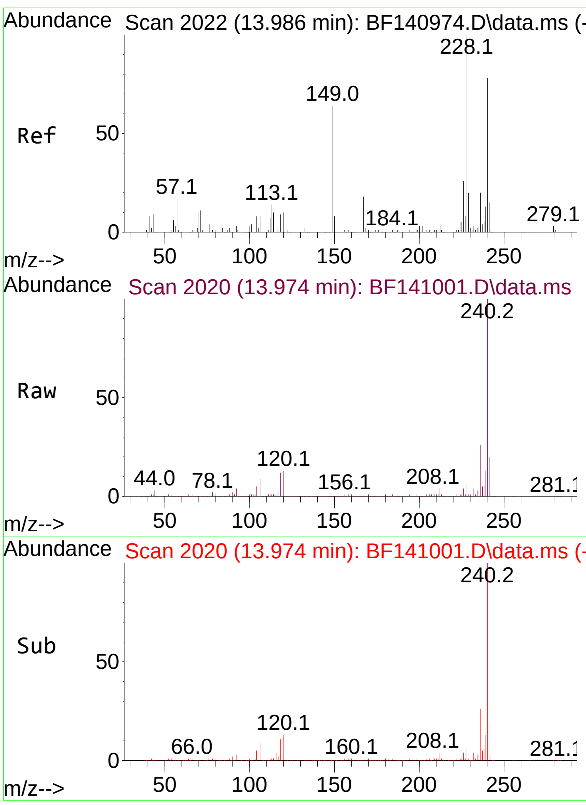



```
#64
Phenanthrene-d10
Concen:   20.000 ng
RT:  11.339 min  Scan# 1!
Delta R.T.   -0.006 min
Lab File:   BF141001.D
Acq: 27 Dec 2024  17:21

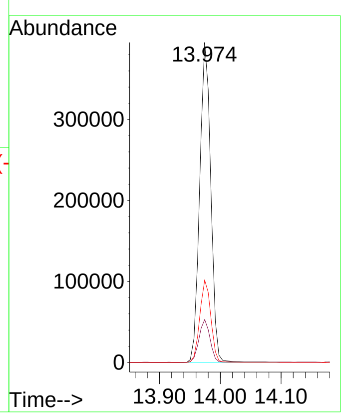
Tgt Ion:188 Resp:  85946!
Ion  Ratio  Lower  Upper
188  100
 94   11.3    9.0   13.6
 80   12.3    9.8   14.6
```

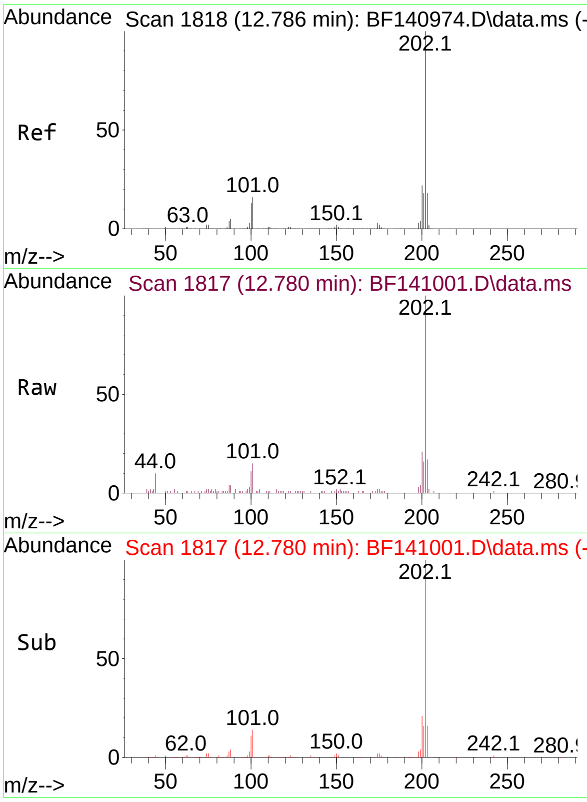





```
#76
Chrysene-d12
Concen:   20.000 ng
RT:  13.974 min  Scan# 2020
Delta R.T.   -0.012 min
Lab File:   BF141001.D
Acq: 27 Dec 2024  17:21

Tgt Ion:240 Resp:  501333
Ion  Ratio  Lower  Upper
240  100
120   13.4   10.7   16.1
236   25.7   20.6   31.0
```





#78
Pyrene
Concen: 2.559 ng
RT: 12.780 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141001.D
Acq: 27 Dec 2024 17:21

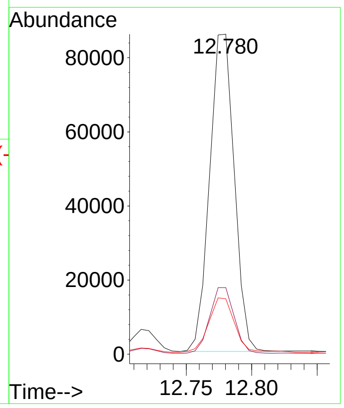
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219

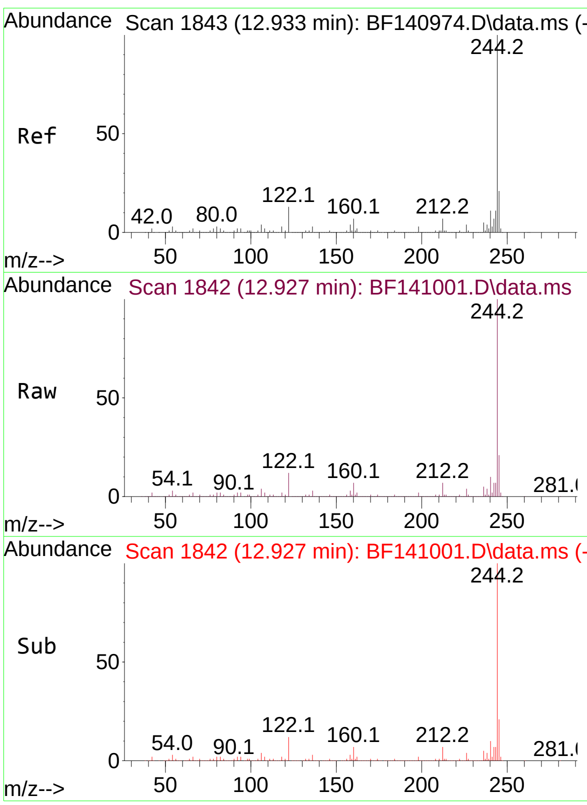
Tgt Ion:202 Resp: 11220

Ion	Ratio	Lower	Upper
202	100		
200	20.8	17.3	25.9
203	17.3	14.6	21.8

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

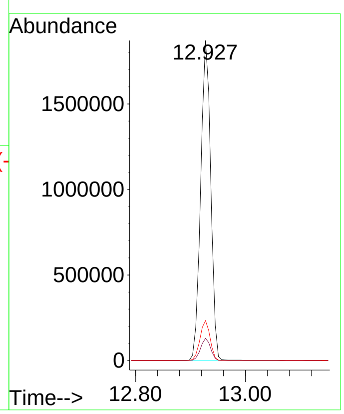




#79
Terphenyl-d14
Concen: 79.244 ng
RT: 12.927 min Scan# 1842
Delta R.T. -0.006 min
Lab File: BF141001.D
Acq: 27 Dec 2024 17:21

Tgt Ion:244 Resp: 2391787

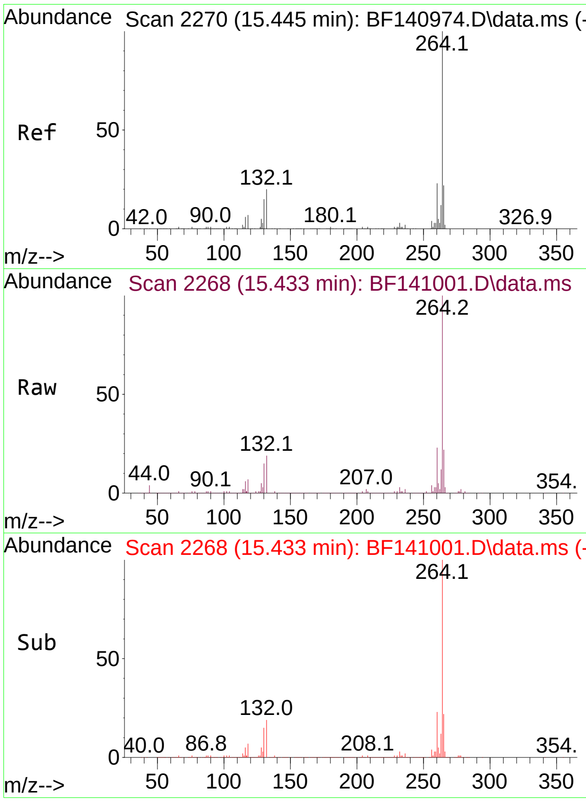
Ion	Ratio	Lower	Upper
244	100		
212	6.9	5.7	8.5
122	12.4	10.2	15.2



Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219

Manual Integrations APPROVED

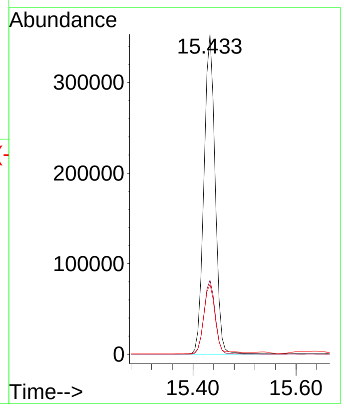
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

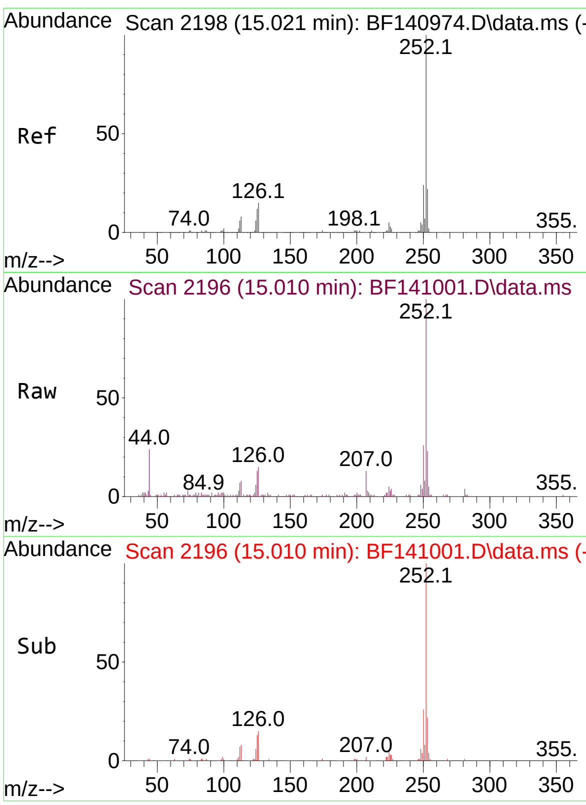


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141001.D
Acq: 27 Dec 2024 17:21

Tgt Ion:264 Resp: 53333

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.7	28.1
265	21.9	17.4	26.2

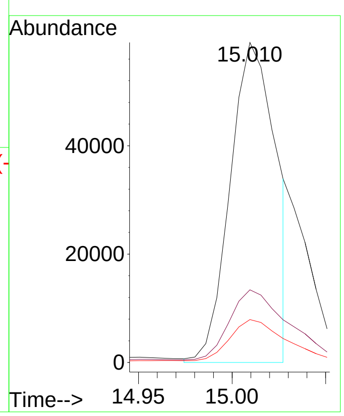




#88
Benzo(b)fluoranthene
Concen: 2.704 ng m
RT: 15.010 min Scan# 2196
Delta R.T. -0.012 min
Lab File: BF141001.D
Acq: 27 Dec 2024 17:21

Tgt Ion:252 Resp: 100564

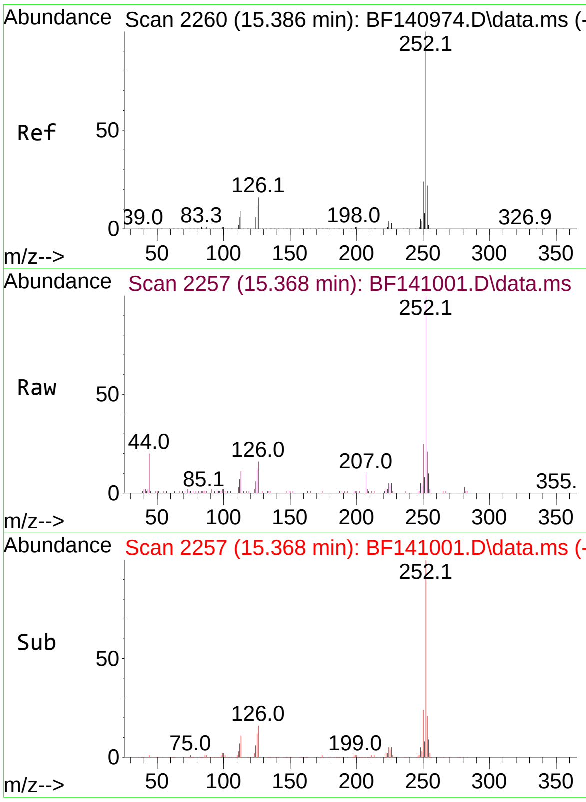
Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.7	26.5
125	13.4	9.3	13.9



Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219

Manual Integrations
APPROVED

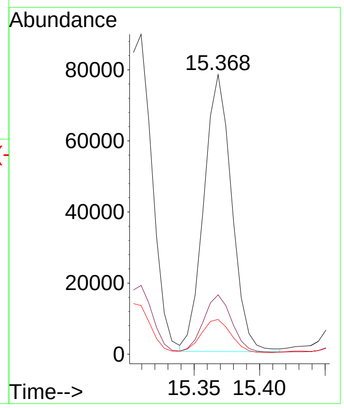
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

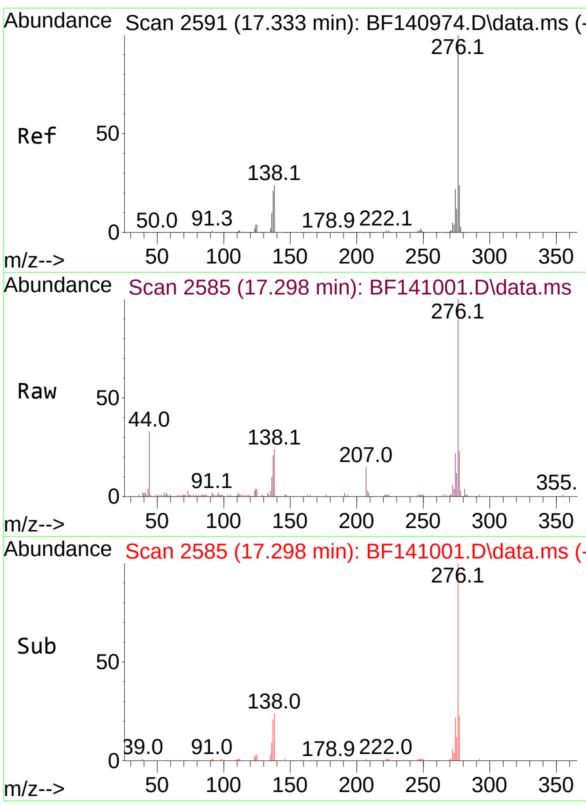


#90
Benzo(a)pyrene
Concen: 4.012 ng
RT: 15.368 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF141001.D
Acq: 27 Dec 2024 17:21

Tgt Ion:252 Resp: 11584

Ion	Ratio	Lower	Upper
252	100		
253	21.2	17.2	25.8
125	12.4	9.8	14.8

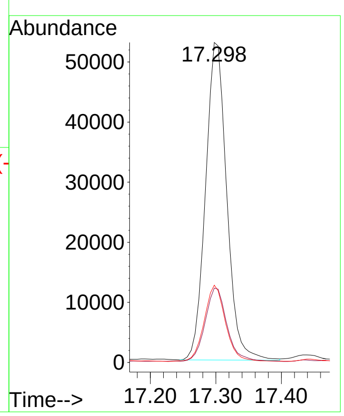




#92
Benzo(g,h,i)perylene
Concen: 4.220 ng
RT: 17.298 min Scan# 2585
Delta R.T. -0.035 min
Lab File: BF141001.D
Acq: 27 Dec 2024 17:21

Tgt Ion:276 Resp: 119214

Ion	Ratio	Lower	Upper
276	100		
277	23.2	19.0	28.4
138	24.2	19.4	29.2



Sample Results: **BF141001.D**

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF141001.D
Acq On : 27 Dec 2024 17:21
Operator : RC/JU
Sample : P5362-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

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-BF122624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF141001.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.045	491	502	510	rBV2	51707	104002	1.43%	0.200%
2	5.434	561	568	573	rBV	4727311	6438920	88.25%	12.398%
3	5.663	602	607	618	rBV	44571	87249	1.20%	0.168%
4	6.439	732	739	745	rBV	4500530	6666580	91.37%	12.836%
5	6.822	799	804	809	rBV	1183747	1444939	19.80%	2.782%
6	7.381	892	899	904	rBV	3132762	4225354	57.91%	8.136%
7	7.639	938	943	949	rBV	151487	184373	2.53%	0.355%
8	8.104	1016	1022	1030	rBV	1572154	1972595	27.03%	3.798%
9	9.180	1198	1205	1210	rBV	5475621	7296512	100.00%	14.049%
10	9.857	1312	1320	1331	rBV	1741370	2266364	31.06%	4.364%
11	10.569	1436	1441	1447	rBV	863072	1072295	14.70%	2.065%
12	10.639	1447	1453	1468	rVV	3604082	4819097	66.05%	9.279%
13	11.339	1567	1572	1579	rVB	1759871	2186525	29.97%	4.210%
14	11.874	1657	1663	1674	rBV	443352	742542	10.18%	1.430%
15	12.033	1687	1690	1698	rVB4	50505	81101	1.11%	0.156%
16	12.551	1774	1778	1783	rBV	63018	95330	1.31%	0.184%
17	12.651	1791	1795	1803	rBV3	97674	186734	2.56%	0.360%
18	12.774	1812	1816	1821	rVB	185384	241378	3.31%	0.465%
19	12.927	1836	1842	1847	rBV	5093975	6473690	88.72%	12.465%
20	13.833	1991	1996	2007	rBV	243428	409159	5.61%	0.788%
21	13.974	2014	2020	2031	rBV	1181884	1730895	23.72%	3.333%
22	15.010	2191	2196	2209	rVB	160361	351919	4.82%	0.678%
23	15.115	2210	2214	2223	rVB	62741	96685	1.33%	0.186%
24	15.310	2242	2247	2251	rBV	221174	326992	4.48%	0.630%
25	15.368	2252	2257	2262	rVB	207388	317804	4.36%	0.612%
26	15.433	2262	2268	2281	rBV	979558	1533698	21.02%	2.953%
27	16.868	2506	2512	2522	rVB2	113601	256433	3.51%	0.494%
28	17.298	2579	2585	2603	rVB	139907	326477	4.47%	0.629%

Sum of corrected areas: 51935642

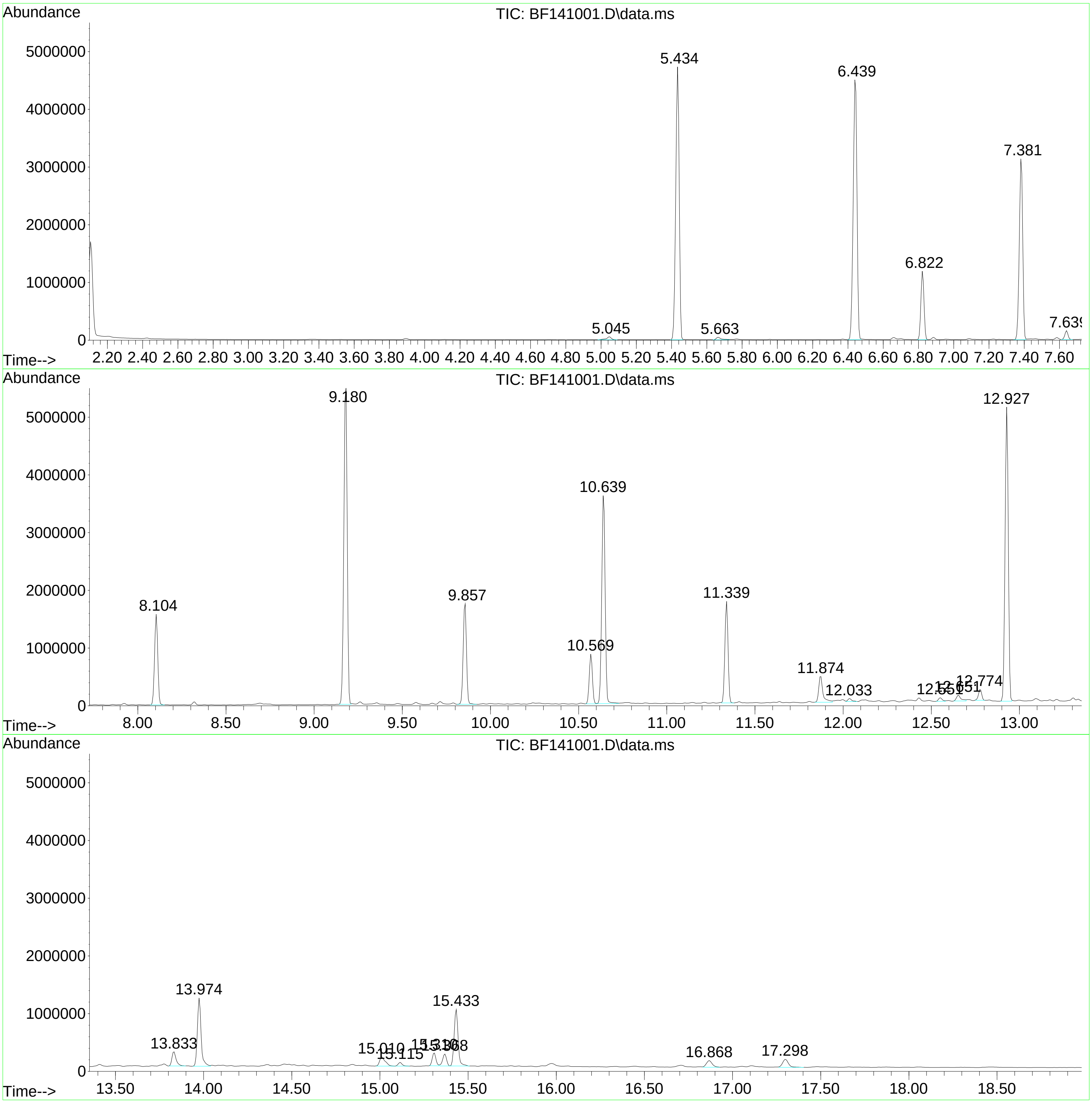
Sample Results: **BF141001.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF141001.D
Acq On : 27 Dec 2024 17:21
Operator : RC/JU
Sample : P5362-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.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\BF122724\
Data File : BF141001.D
Acq On : 27 Dec 2024 17:21
Operator : RC/JU
Sample : P5362-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

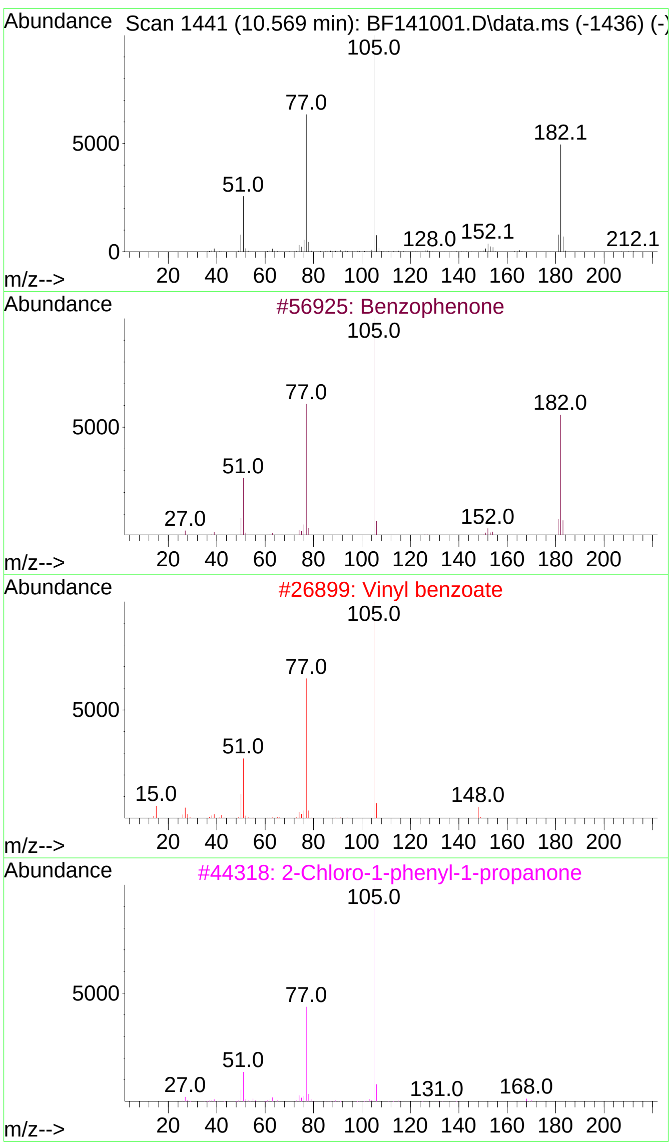
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

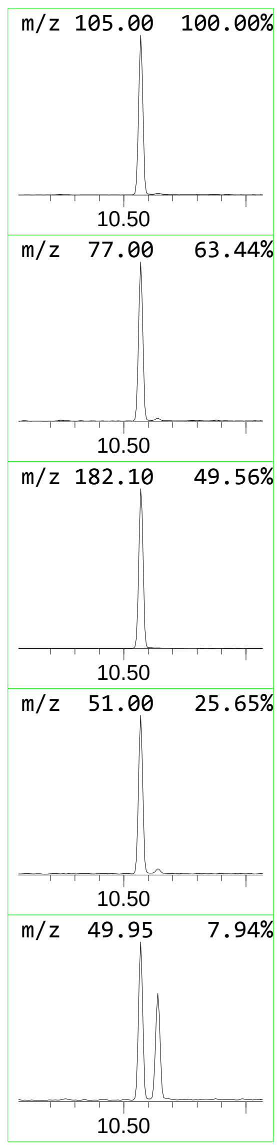
****

Peak Number 1 Benzophenone Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.569	9.46 ng	1072300	Acenaphthene-d10	9.857

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzophenone	182	C13H10O	000119-61-9	96
2	Vinyl benzoate	148	C9H8O2	000769-78-8	47
3	2-Chloro-1-phenyl-1-propanone	168	C9H9ClO	006084-17-9	47
4	N-Methylbenzamide, N-pentafluoro...	281	C11H8F5NO2	1000446-98-1	47
5	1-Propanone, 3-chloro-1-phenyl-	168	C9H9ClO	000936-59-4	47





Sample Results: **BF141001.D**

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF141001.D
Acq On : 27 Dec 2024 17:21
Operator : RC/JU
Sample : P5362-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

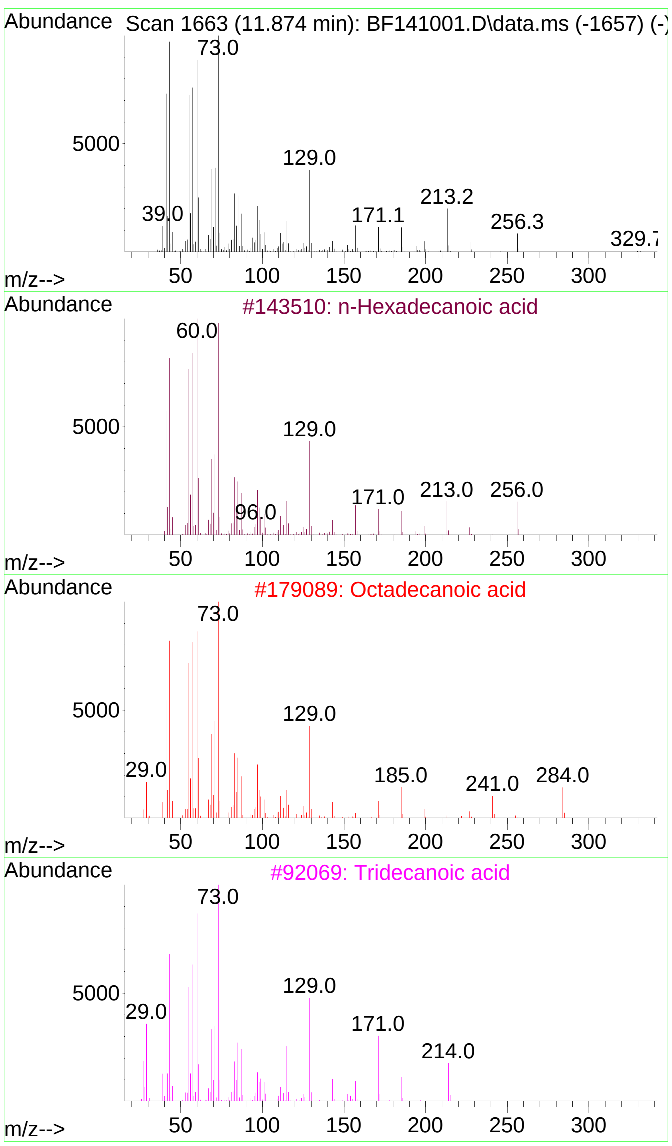
****

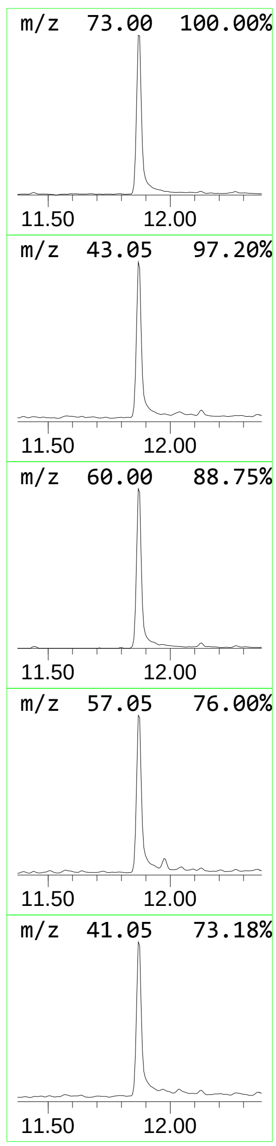
Peak Number 2 n-Hexadecanoic acid Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.874	6.79 ng	742542	Phenanthrene-d10	11.339

Hit# of 5

Hit#	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Octadecanoic acid	284	C18H36O2	000057-11-4	93
3	Tridecanoic acid	214	C13H26O2	000638-53-9	92
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	90
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	87





Sample Results: **BF141001.D**

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Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF141001.D
Acq On    : 27 Dec 2024  17:21
Operator  : RC/JU
Sample    : P5362-01
Misc      :
ALS Vial  : 9   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

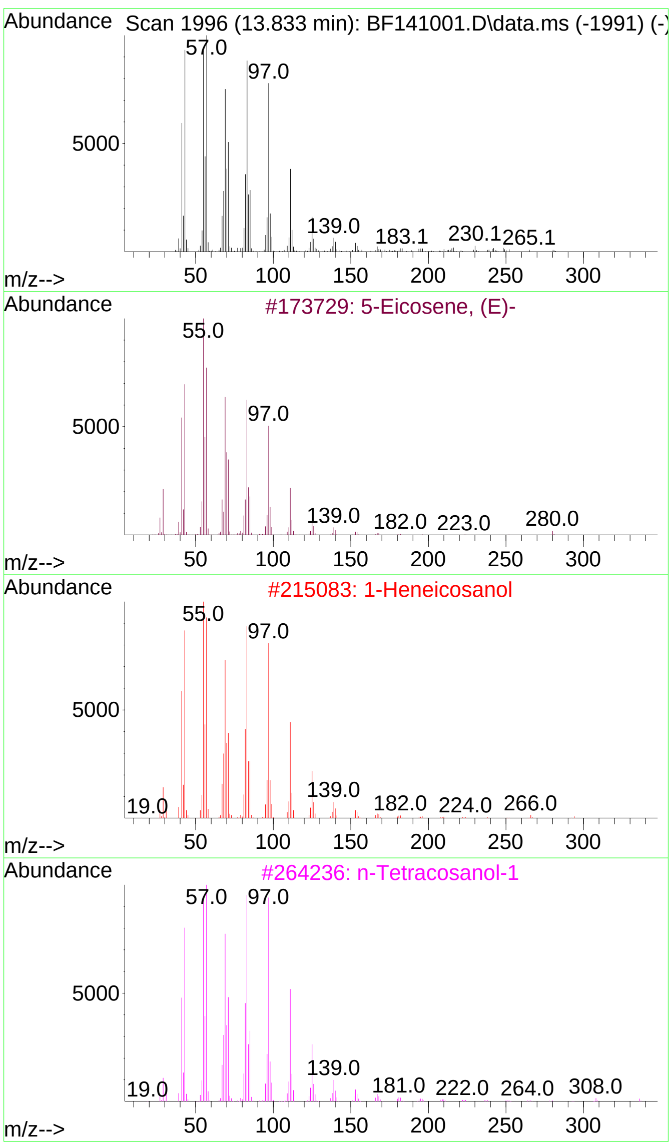
Instrument : BNA_F
ClientSampleId : WC-SOIL-20241219

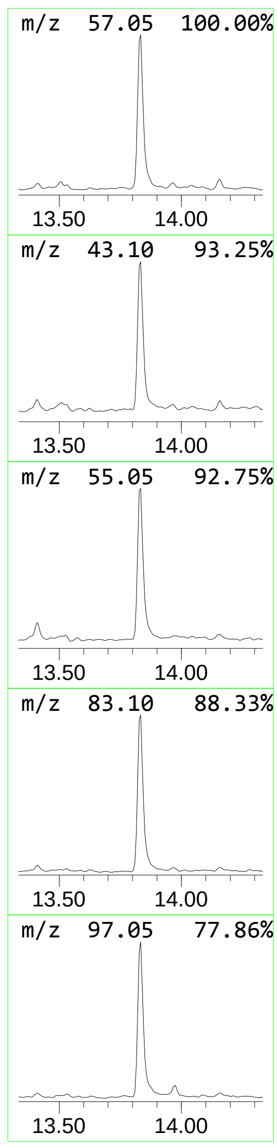
****

Peak Number 3 5-Eicosene, (E)- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.833	4.73 ng	409159	Chrysene-d12	13.974

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5-Eicosene, (E)-	280	C20H40	074685-30-6	99
2	1-Heneicosanol	312	C21H44O	015594-90-8	95
3	n-Tetracosanol-1	354	C24H50O	000506-51-4	94
4	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	94
5	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	94





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Data File : BF141001.D
Acq On    : 27 Dec 2024  17:21
Operator  : RC/JU
Sample    : P5362-01
Misc      :
ALS Vial  : 9   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

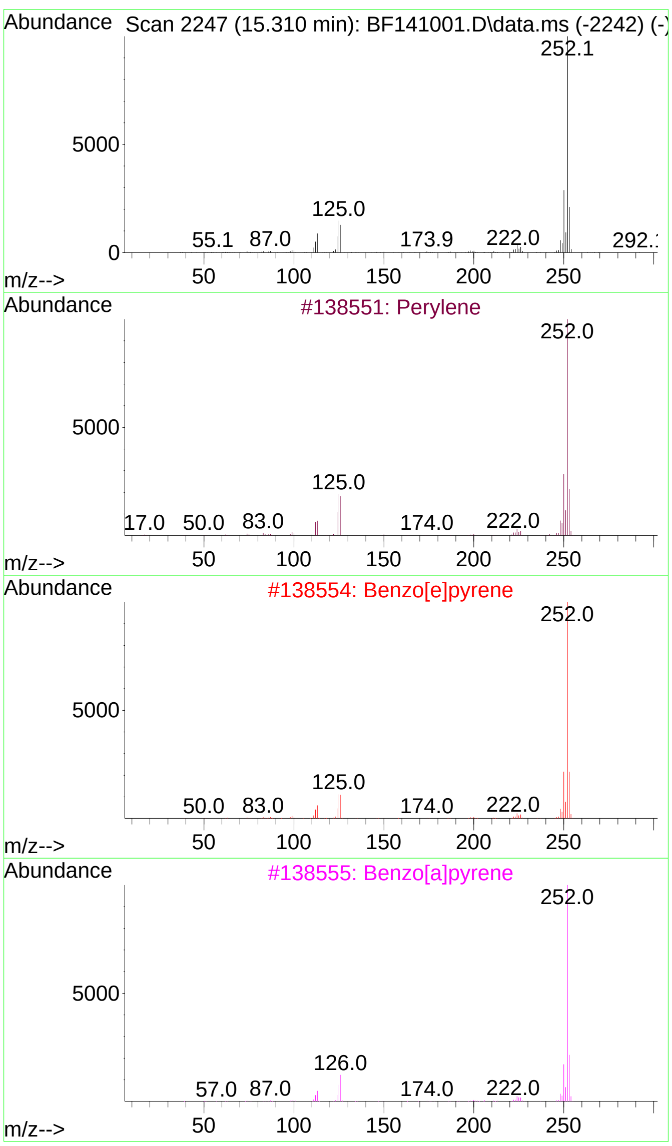
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219

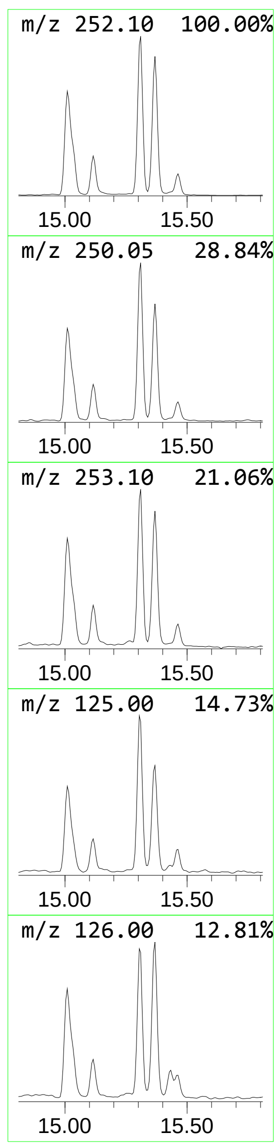
****

Peak Number 4 Perylene — Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.310	4.26 ng	326992	Perylene-d12	15.433

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	99
2	Benzo[e]pyrene	252	C20H12	000192-97-2	98
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	89





```
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF141001.D
Acq On    : 27 Dec 2024  17:21
Operator  : RC/JU
Sample    : P5362-01
Misc      :
ALS Vial  : 9   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219

```
**********************************************************************
Peak Number  5  Dibenzo[def,mno]chrysene        Concentration Rank  5

  R.T.     EstConc          Area       Relative to ISTD         R.T.
----------------------------------------------------------------------
 16.868    3.34 ng         256433   Perylene-d12               15.433

 Hit# of  5    Tentative ID              MW  MolForm       CAS#       Qual
----------------------------------------------------------------------
 1 Indeno[1,2,3-cd]pyrene               276 C22H12        000193-39-5 98
 2 Benzo[ghi]perylene                   276 C22H12        000191-24-2 98
 3 Dibenzo[def,mno]chrysene             276 C22H12        000191-26-4 96
 4 Indeno[1,2,3-cd]fluoranthene         276 C22H12        000193-43-1 95
 5 Oxalic acid, diamide, N,N'-bis(4... 276 C14H10F2N2O2  1000309-42-9 50
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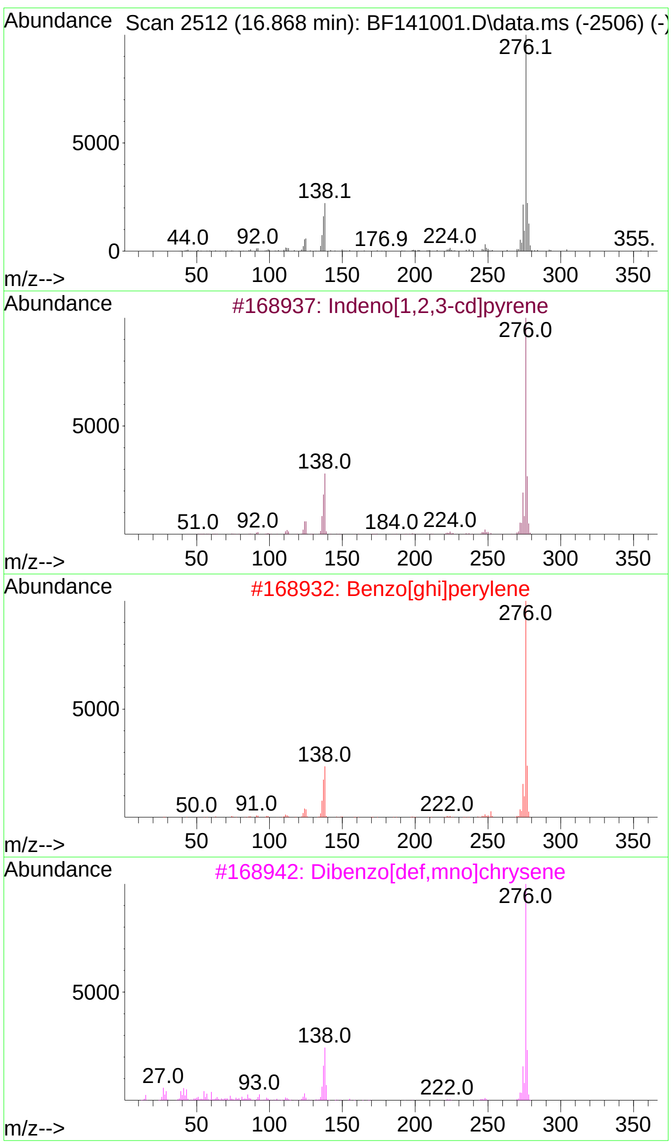
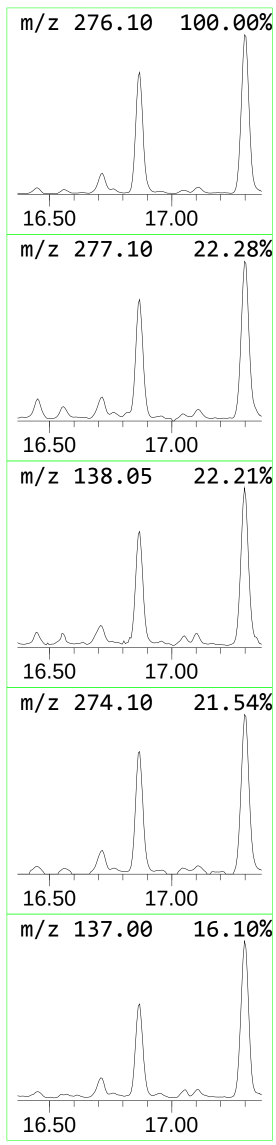




Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF141001.D
Acq On : 27 Dec 2024 17:21
Operator : RC/JU
Sample : P5362-01
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzophenone	10.569	9.5	ng	1072300	3	9.857	2266360	20.0
n-Hexadecanoic ...	11.874	6.8	ng	742542	4	11.339	2186530	20.0
5-Eicosene, (E)-	13.833	4.7	ng	409159	5	13.974	1730900	20.0
Perylene	15.310	4.3	ng	326992	6	15.433	1533700	20.0
Dibenzo[def,mno...	16.868	3.3	ng	256433	6	15.433	1533700	20.0

CALIBRATION SUMMARY

Alliance TECHNICAL GROUP

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

6C
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM Case No.: P5362 SAS No.: P5362 SDG No.: P5362

Instrument ID: BNA_F Calibration Date(s): 12/26/2024 12/26/2024

Calibration Time(s): 16:23 19:25

LAB FILE ID: RRF2.5 = BF140970.D RRF005 = BF140971.D RRF010 = BF140972.D
RRF020 = BF140973.D RRF040 = BF140974.D RRF050 = BF140975.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2-Fluorophenol		1.502	1.422	1.423	1.293	1.258	1.327	9.4
Benzaldehyde			1.193	1.089	0.861	0.792	0.941	20.2
Phenol-d6		1.910	1.839	1.811	1.667	1.625	1.709	8.6
Phenol		1.956	1.880	1.866	1.744	1.683	1.767	8.0
bis(2-Chloroethyl)ether		1.543	1.479	1.449	1.363	1.416	1.427	4.8
2-Chlorophenol		1.556	1.484	1.483	1.386	1.337	1.399	8.2
2-Methylphenol		1.250	1.208	1.226	1.151	1.125	1.162	5.8
2,2-oxybis(1-Chloropropane)		2.420	2.317	2.313	2.112	2.048	2.158	9.0
Acetophenone		0.575	0.535	0.521	0.470	0.459	0.491	11.0
3+4-Methylphenols		1.644	1.624	1.598	1.452	1.387	1.471	10.6
n-Nitroso-di-n-propylamine	1.133	1.140	1.127	1.079	1.008	0.988	1.047	8.0
Nitrobenzene-d5		0.244	0.277	0.321	0.327	0.338	0.313	12.2
Hexachloroethane		0.587	0.573	0.584	0.544	0.538	0.553	5.3
Nitrobenzene		0.288	0.319	0.364	0.367	0.371	0.349	9.5
Isophorone		0.744	0.706	0.714	0.657	0.654	0.680	6.1
2-Nitrophenol		0.067	0.080	0.107	0.127	0.142	0.118	29.3
2,4-Dimethylphenol		0.268	0.255	0.260	0.241	0.241	0.249	5.2
bis(2-Chloroethoxy)methane		0.477	0.462	0.462	0.415	0.412	0.431	8.3
2,4-Dichlorophenol		0.286	0.289	0.295	0.278	0.281	0.282	3.4
Naphthalene		1.209	1.154	1.142	1.020	0.989	1.054	11.0
4-Chloroaniline		0.414	0.398	0.404	0.367	0.368	0.381	6.2
Hexachlorobutadiene		0.208	0.199	0.196	0.182	0.181	0.188	7.1
Caprolactam		0.098	0.095	0.100	0.094	0.094	0.096	2.4
4-Chloro-3-methylphenol		0.330	0.320	0.327	0.309	0.304	0.313	4.2
2-Methylnaphthalene		0.772	0.740	0.732	0.642	0.629	0.674	10.8
Hexachlorocyclopentadiene		0.165	0.176	0.189	0.187	0.189	0.182	5.0
2,4,6-Trichlorophenol		0.354	0.356	0.398	0.364	0.356	0.366	4.6
2-Fluorobiphenyl		1.546	1.452	1.378	1.175	1.129	1.255	16.1
2,4,5-Trichlorophenol		0.371	0.389	0.377	0.380	0.386	0.375	3.2
1,1-Biphenyl		1.776	1.696	1.651	1.479	1.421	1.531	11.6
2-Chloronaphthalene		1.362	1.293	1.270	1.140	1.115	1.188	10.2
2-Nitroaniline		0.139	0.182	0.248	0.288	0.306	0.259	28.5
Dimethylphthalate		1.438	1.414	1.389	1.285	1.246	1.316	7.4
Acenaphthylene		1.934	1.869	1.824	1.654	1.619	1.710	9.8

All other compounds must meet a minimum RRF of 0.010.

Raw Data

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

6C

SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM Case No.: P5362 SAS No.: P5362 SDG No.: P5362

Instrument ID: BNA_F Calibration Date(s): 12/26/2024 12/26/2024

Calibration Time(s): 16:23 19:25

LAB FILE ID: RRF2.5 = BF140970.D RRF005 = BF140971.D RRF010 = BF140972.D
RRF020 = BF140973.D RRF040 = BF140974.D RRF050 = BF140975.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
2,6-Dinitrotoluene		0.128	0.173	0.233	0.256	0.269	0.231	25.2
3-Nitroaniline		0.153	0.197	0.260	0.281	0.289	0.255	22.6
Acenaphthene		1.289	1.240	1.229	1.119	1.096	1.156	8.4
2,4-Dinitrophenol			0.037	0.053	0.072	0.086	0.075	35.0
4-Nitrophenol			0.166	0.213	0.229	0.237	0.225	14.4
Dibenzofuran		1.857	1.780	1.743	1.565	1.523	1.624	10.5
2,4-Dinitrotoluene		0.136	0.187	0.265	0.310	0.326	0.273	30.1
Diethylphthalate		1.433	1.386	1.369	1.266	1.230	1.299	7.5
4-Chlorophenyl-phenylether		0.700	0.673	0.653	0.579	0.560	0.606	11.3
Fluorene		1.497	1.432	1.351	1.192	1.146	1.260	13.2
4-Nitroaniline		0.156	0.203	0.257	0.278	0.290	0.255	21.7
4,6-Dinitro-2-methylphenol			0.033	0.051	0.066	0.078	0.067	32.7
n-Nitrosodiphenylamine		0.712	0.675	0.668	0.605	0.594	0.630	8.8
2,4,6-Tribromophenol		0.177	0.189	0.203	0.196	0.198	0.194	4.6
4-Bromophenyl-phenylether		0.235	0.229	0.228	0.213	0.212	0.216	7.0
Hexachlorobenzene		0.261	0.247	0.249	0.232	0.231	0.238	6.0
Atrazine		0.218	0.205	0.189	0.156	0.147	0.176	18.5
Pentachlorophenol		0.122	0.137	0.154	0.155	0.156	0.148	9.4
Phenanthrene		1.221	1.168	1.129	1.005	0.982	1.053	11.3
Anthracene		1.187	1.136	1.113	0.991	0.963	1.031	11.0
Carbazole		1.138	1.093	1.076	0.947	0.923	0.992	11.0
Di-n-butylphthalate		1.248	1.238	1.237	1.083	1.054	1.128	9.7
Fluoranthene		1.333	1.274	1.242	1.091	1.050	1.142	12.3
Pyrene		1.754	1.670	1.701	1.692	1.783	1.749	3.6
Terphenyl-d14		1.275	1.181	1.188	1.141	1.194	1.204	3.6
Butylbenzylphthalate		0.532	0.571	0.640	0.656	0.684	0.639	10.1
3,3-Dichlorobenzidine		0.474	0.455	0.455	0.403	0.382	0.419	9.8
Benzo(a)anthracene		1.573	1.452	1.437	1.369	1.340	1.394	7.4
Chrysene		1.341	1.330	1.327	1.208	1.194	1.257	5.7
Bis(2-ethylhexyl)phthalate		0.822	0.842	0.859	0.820	0.827	0.828	2.5
Di-n-octyl phthalate		1.157	1.231	1.253	1.199	1.170	1.199	2.8
Benzo(b)fluoranthene		1.360	1.564	1.479	1.417	1.306	1.395	7.2
Benzo(k)fluoranthene		1.165	1.121	1.301	1.065	1.073	1.093	11.2
Benzo(a)pyrene		1.146	1.108	1.137	1.069	1.047	1.083	4.6
Indeno(1,2,3-cd)pyrene		1.050	1.009	1.224	1.311	1.397	1.260	13.7

All other compounds must meet a minimum RRF of 0.010.

Form VI SV-1

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

6C
SEMIVOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM Case No.: P5362 SAS No.: P5362 SDG No.: P5362

Instrument ID: BNA_F Calibration Date(s): 12/26/2024 12/26/2024

Calibration Time(s): 16:23 19:25

LAB FILE ID: RRF2.5 = BF140970.D RRF005 = BF140971.D RRF010 = BF140972.D
RRF020 = BF140973.D RRF040 = BF140974.D RRF050 = BF140975.D

COMPOUND	RRF2.5	RRF005	RRF010	RRF020	RRF040	RRF050	RRF	% RSD
Dibenzo(a,h)anthracene		0.847	0.829	0.992	1.070	1.127	1.021	13.4
Benzo(g,h,i)perylene		0.825	0.811	1.023	1.126	1.194	1.059	16.9
1,2,4,5-Tetrachlorobenzene		0.602	0.586	0.586	0.535	0.527	0.550	7.5
1,4-Dioxane		0.630	0.621	0.624	0.597	0.587	0.601	4.3
2,3,4,6-Tetrachlorophenol		0.303	0.303	0.327	0.314	0.307	0.310	3.0

All other compounds must meet a minimum RRF of 0.010.

Response Factor Report BNA_F

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

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

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

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

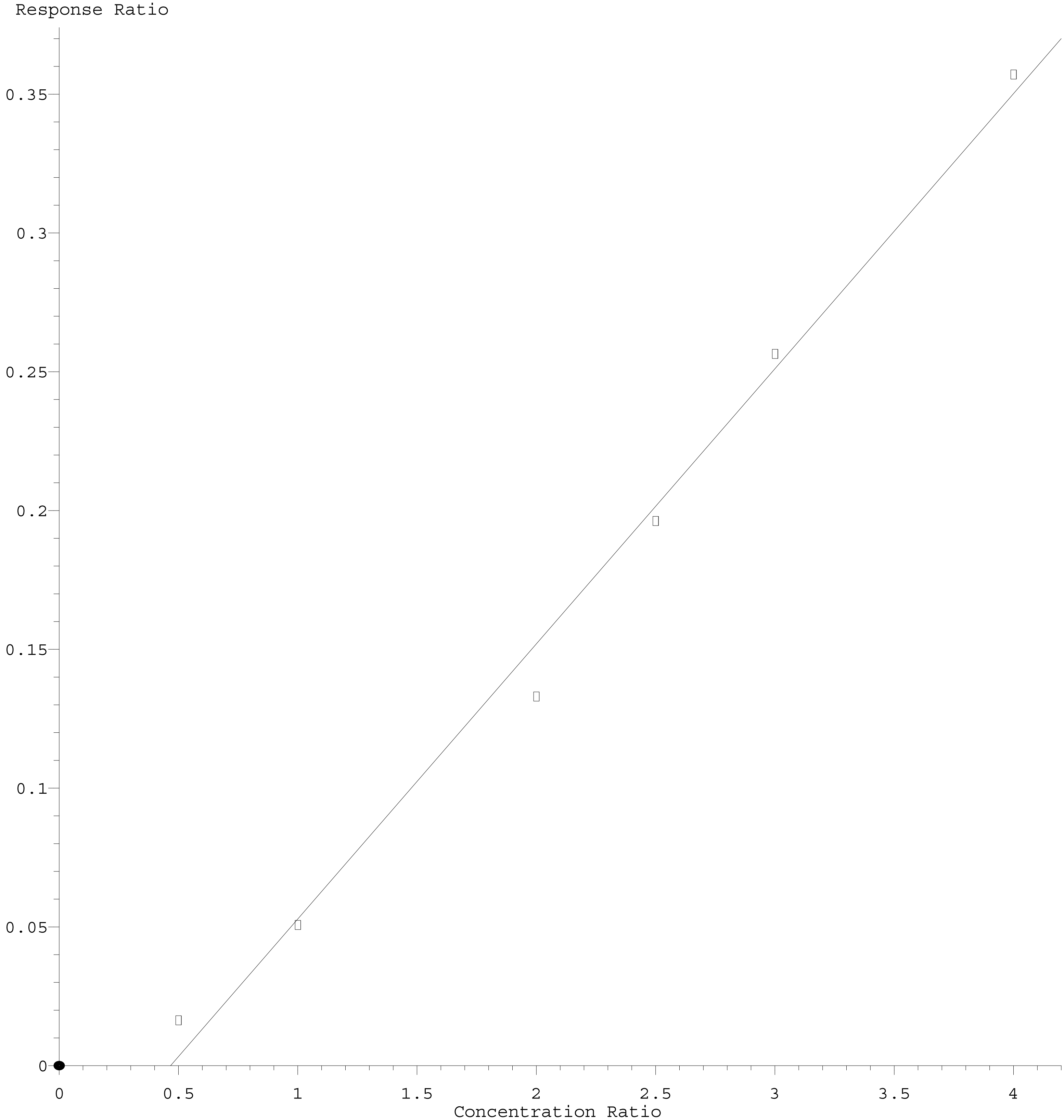
39)	I	Acenaphthene-d10	----------------ISTD--------------------								
40)		1,2,4,5-Tetrac...	0.602	0.586	0.586	0.535	0.527	0.526	0.491	0.550	7.46
41)	P	Hexachlorocycl...	0.165	0.176	0.189	0.187	0.189	0.190	0.180	0.182	5.03
42)	S	2,4,6-Tribromo...	0.177	0.189	0.203	0.196	0.198	0.199	0.199	0.194	4.59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

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

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

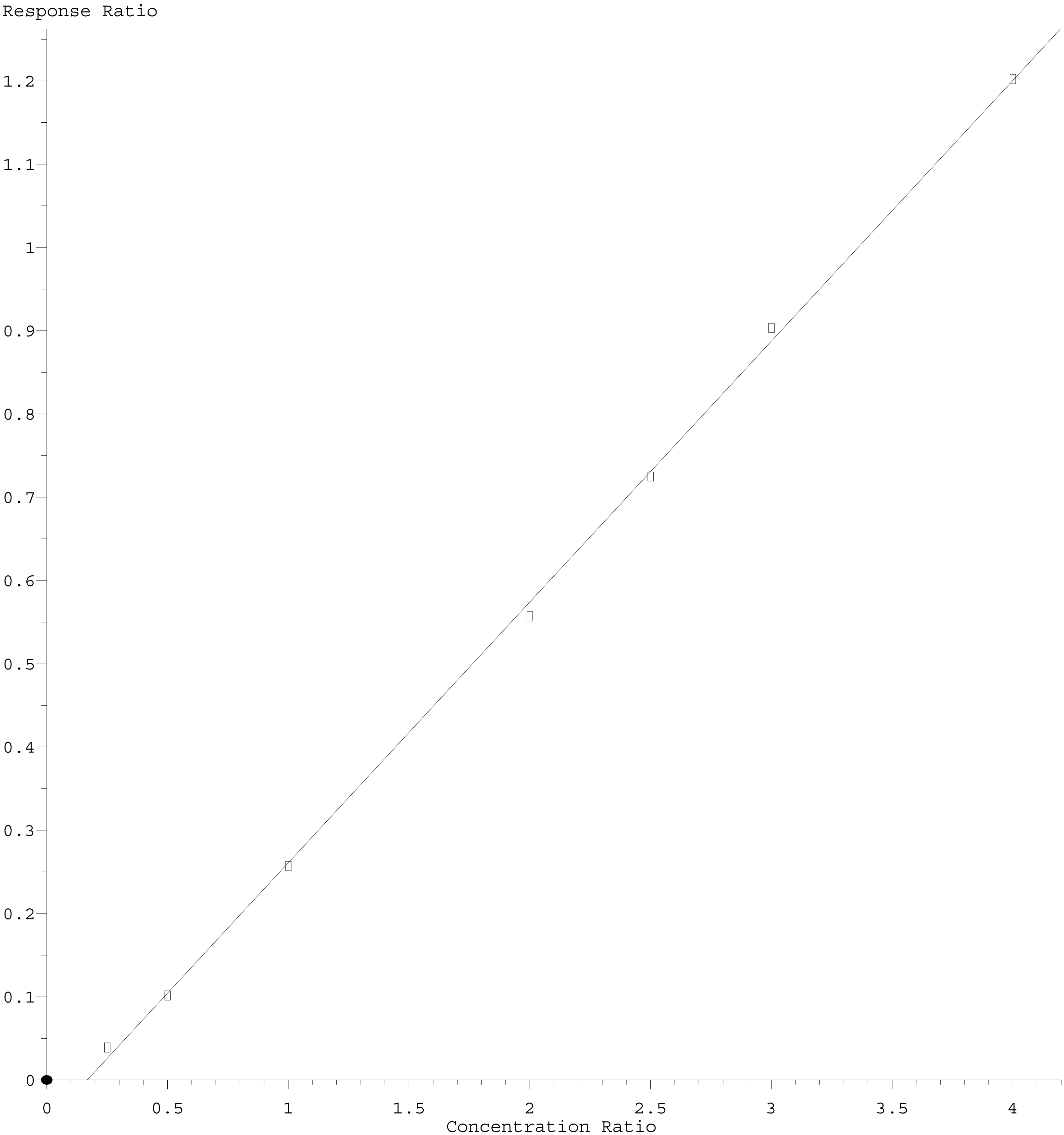
(#) = Out of Range

4,6-Dinitro-2-methylphenol

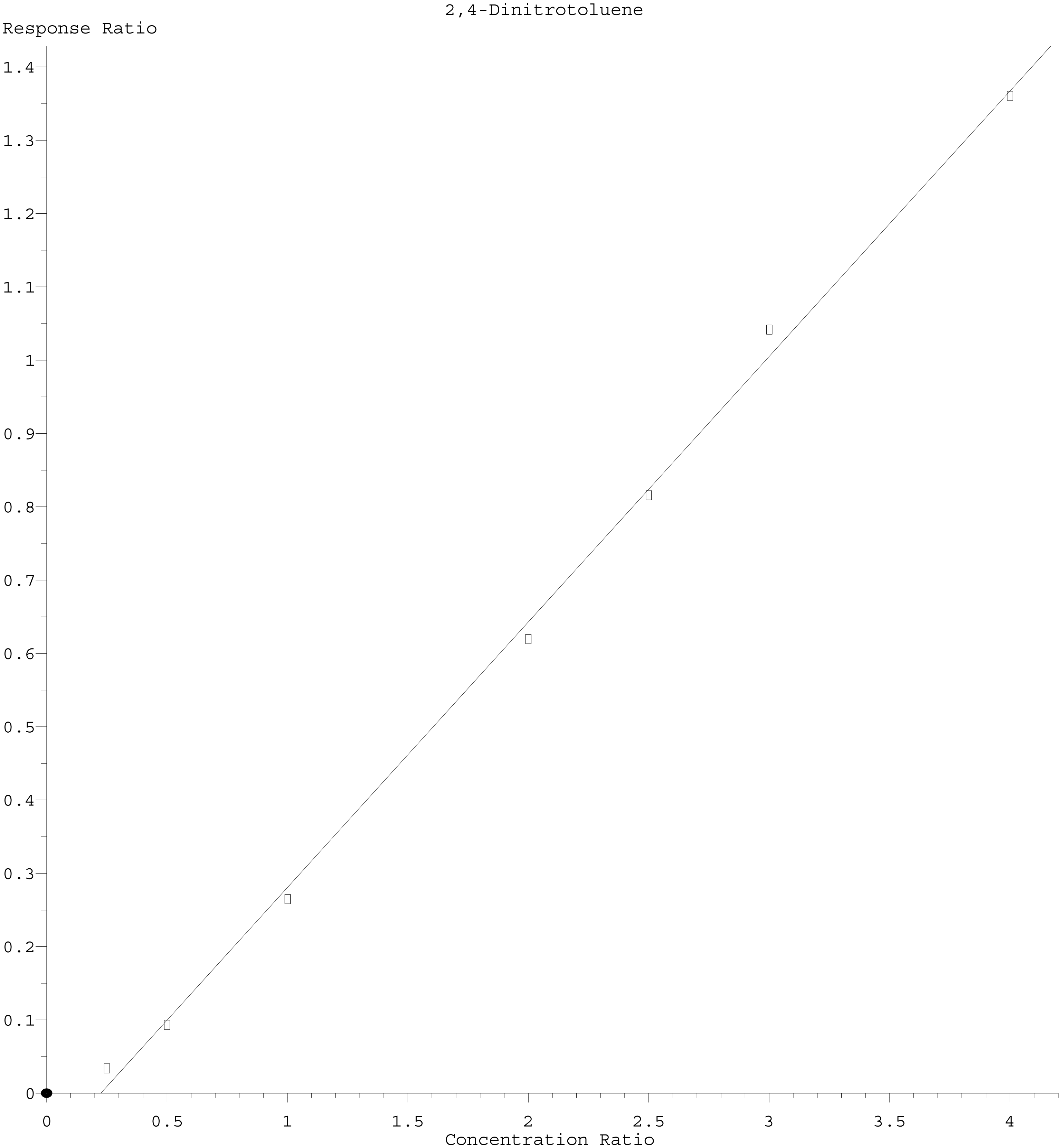


Response = 9.902e-002 * Amt - 4.626e-002
Coef of Det (r^2) = 0.992245   Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF122624.M
Calibration Table Last Updated: Fri Dec 27 00:31:16 2024

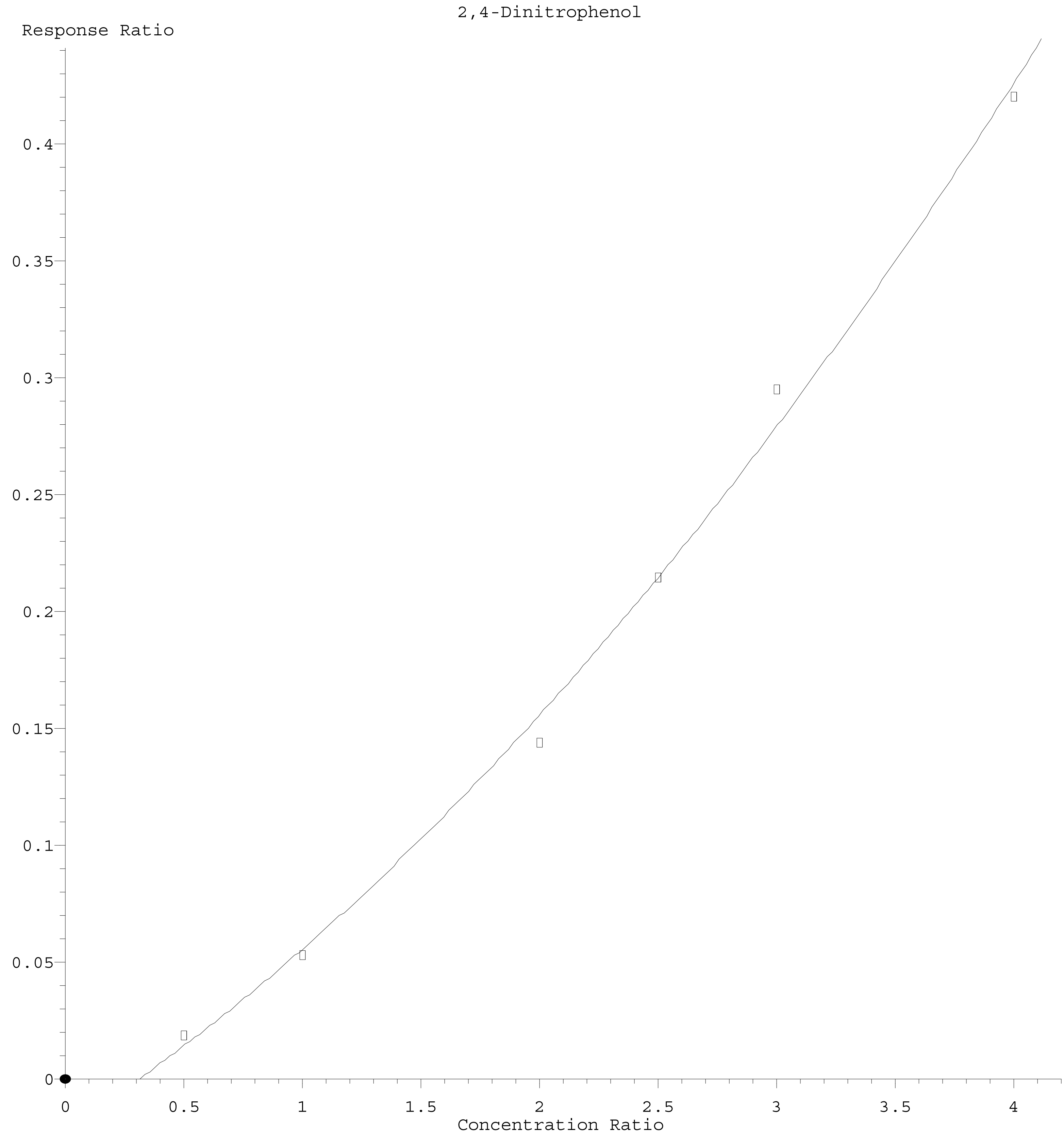
4-Nitroaniline



Response = 3.133e-001 * Amt - 5.242e-002
Coef of Det (r^2) = 0.999312   Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF122624.M
Calibration Table Last Updated: Fri Dec 27 00:31:16 2024

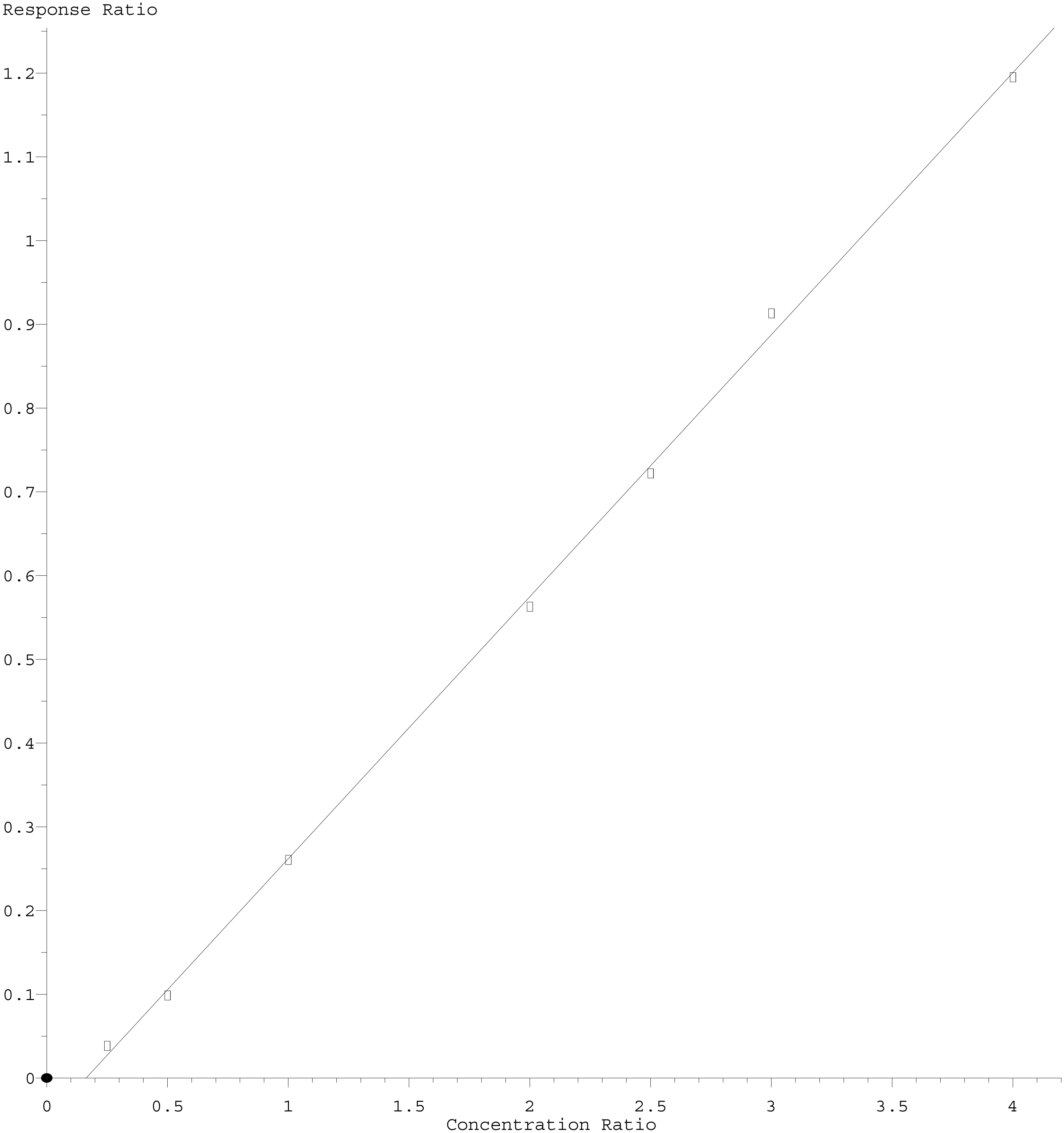


Response = 3.623e-001 * Amt - 8.150e-002
Coef of Det (r^2) = 0.998082   Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF122624.M
Calibration Table Last Updated: Fri Dec 27 00:31:16 2024



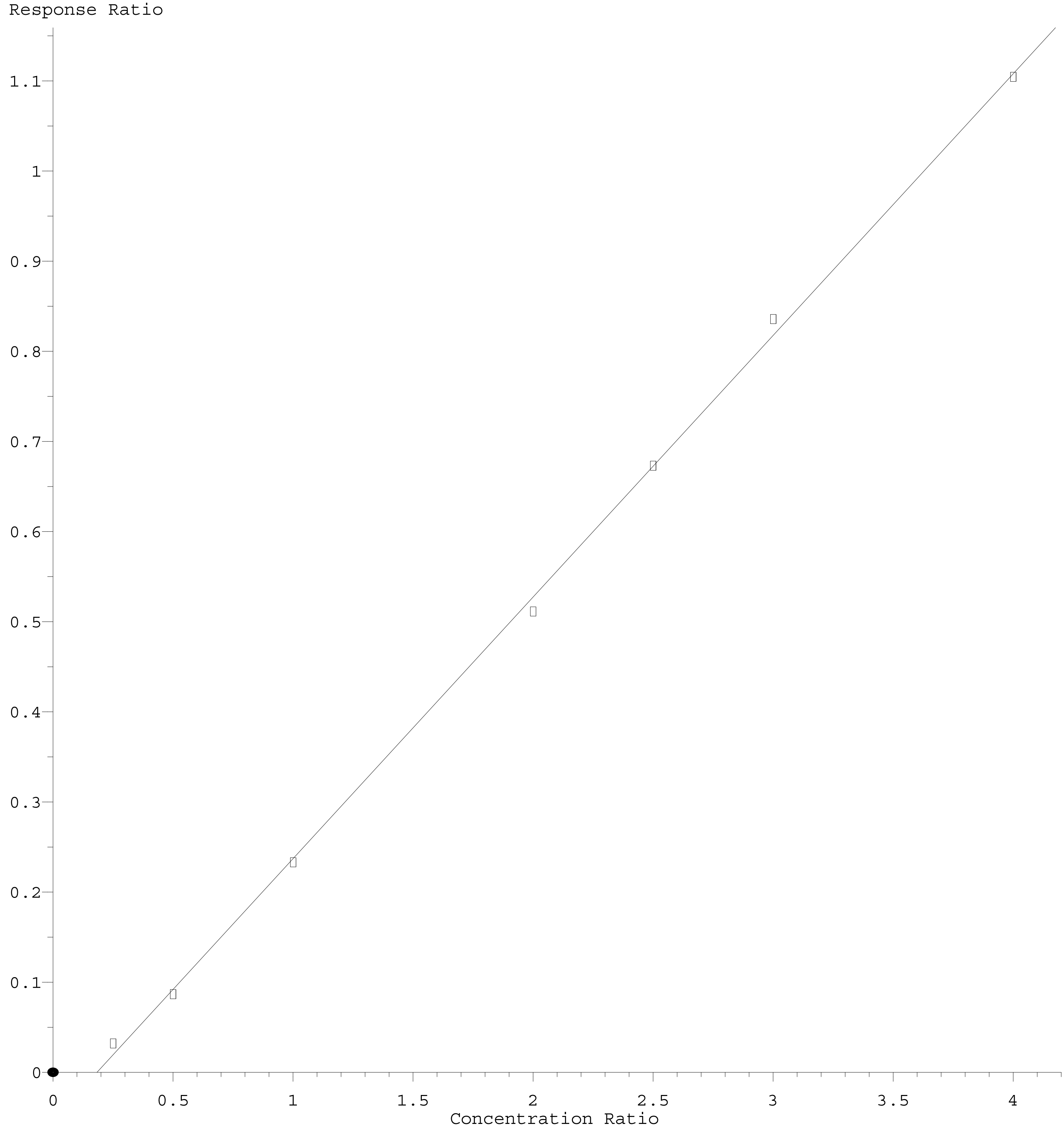
R = 1.166e-002 A*A + 6.517e-002 A - 2.128e-002
Coef of Det (r^2) = 0.996078   Curve Fit: Quadratic
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF122624.M
Calibration Table Last Updated: Fri Dec 27 00:31:16 2024

3-Nitroaniline



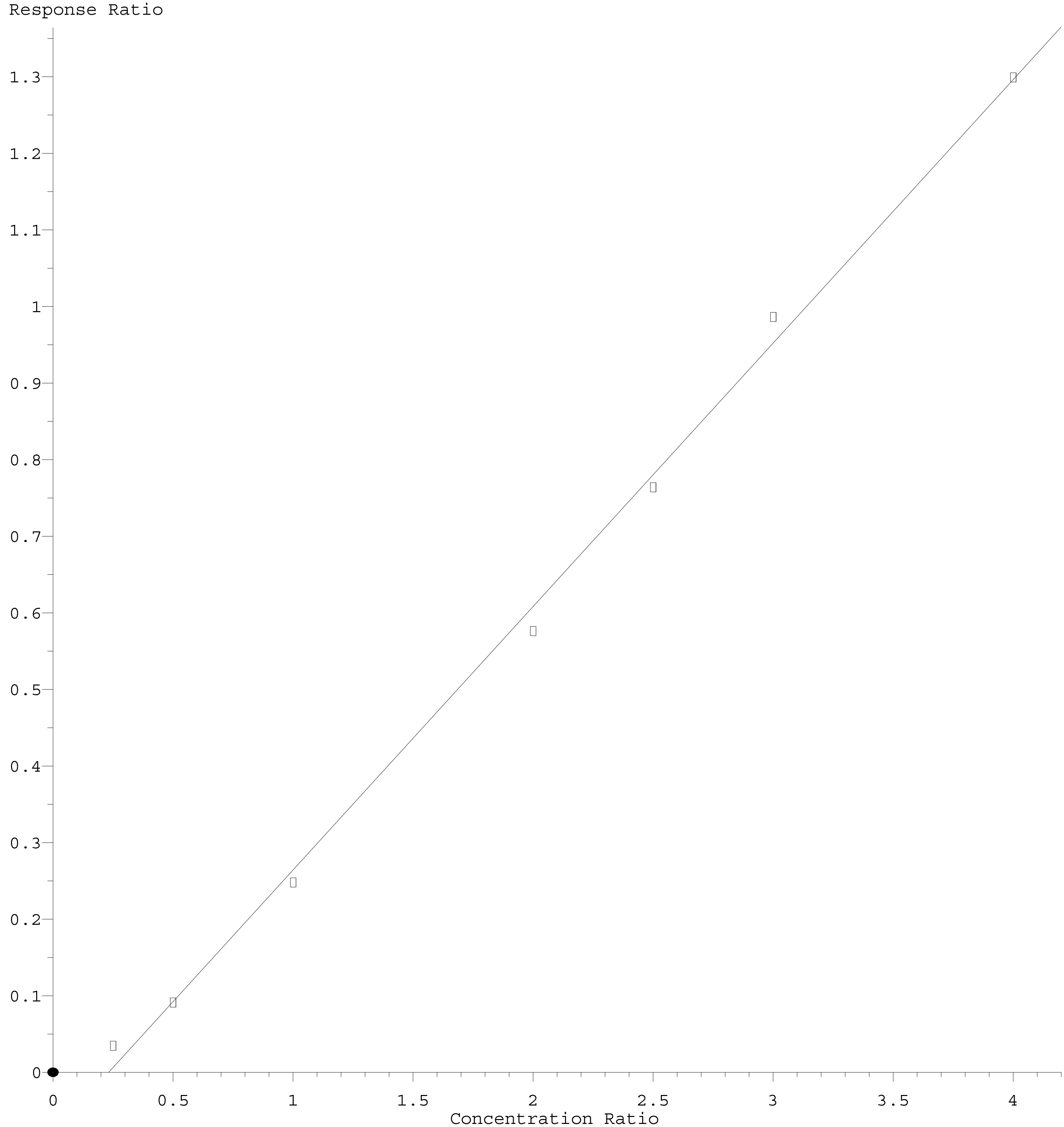
Response = 3.131e-001 * Amt - 5.110e-002
Coef of Det (r^2) = 0.999042   Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF122624.M
Calibration Table Last Updated: Fri Dec 27 00:31:16 2024

2,6-Dinitrotoluene

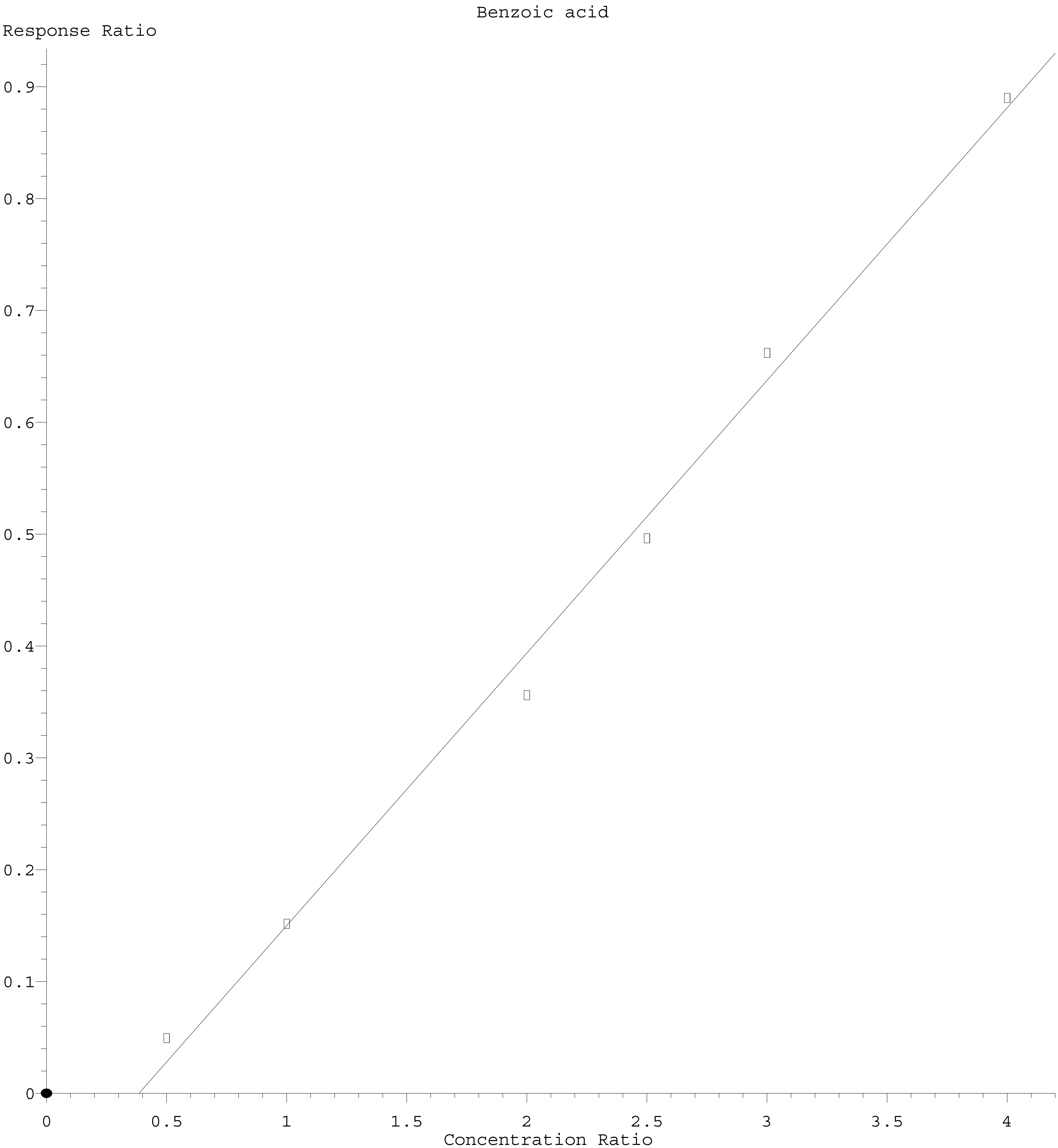


Response = 2.904e-001 * Amt - 5.306e-002
Coef of Det (r^2) = 0.999176   Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF122624.M
Calibration Table Last Updated: Fri Dec 27 00:31:16 2024

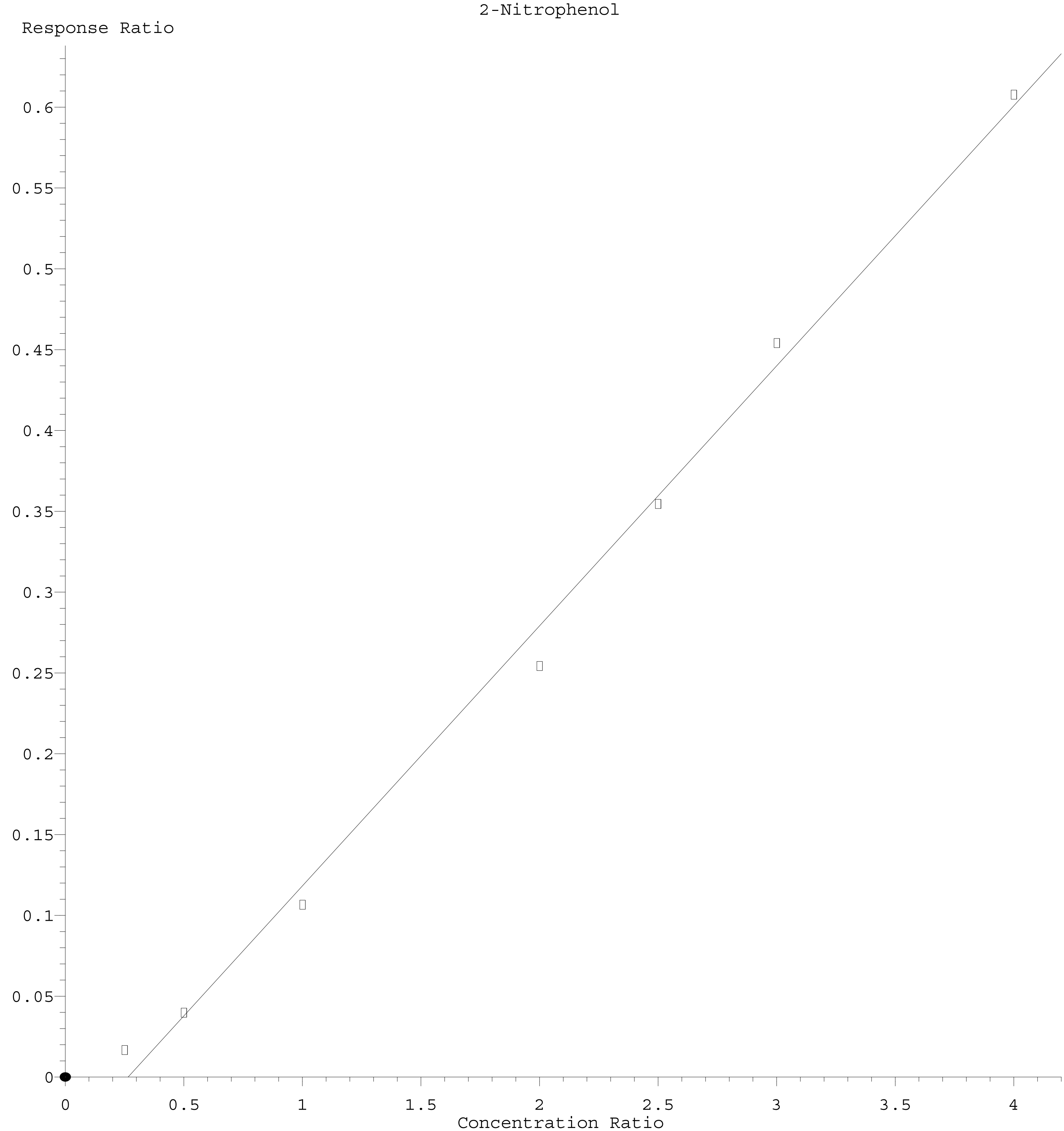
2-Nitroaniline



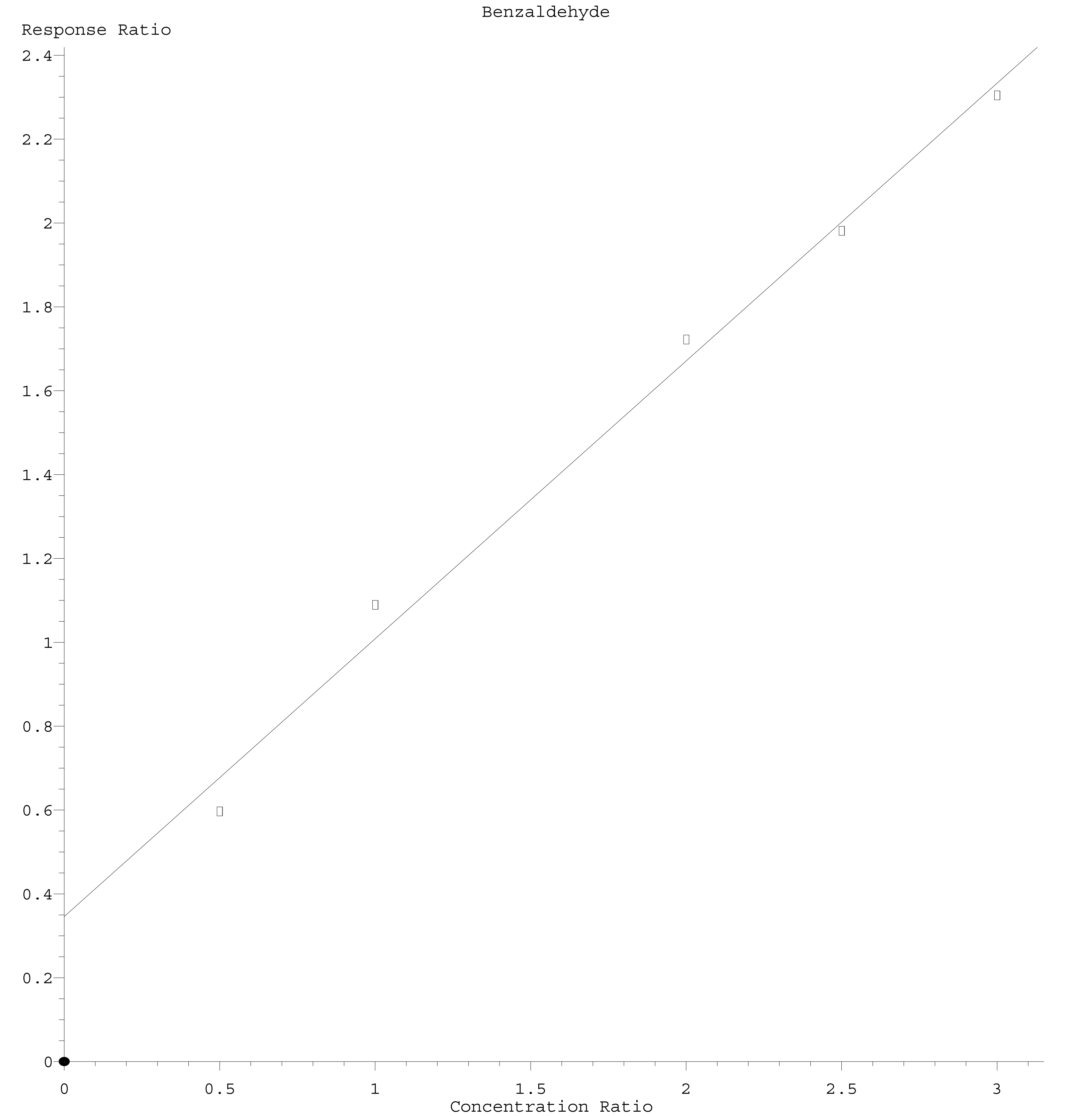
Response = 3.440e-001 * Amt - 7.987e-002
Coef of Det (r^2) = 0.997398   Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF122624.M
Calibration Table Last Updated: Fri Dec 27 00:31:16 2024



Response = 2.436e-001 * Amt - 9.371e-002
Coef of Det (r^2) = 0.994097   Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF122624.M
Calibration Table Last Updated: Fri Dec 27 00:31:16 2024



Response = 1.609e-001 * Amt - 4.266e-002
Coef of Det (r^2) = 0.995332   Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF122624.M
Calibration Table Last Updated: Fri Dec 27 00:31:16 2024



Response = 6.627e-001 * Amt + 3.457e-001
Coef of Det (r^2) = 0.991129   Curve Fit: Linear
Method Name: Z:\svoasrv\HPCHEM1\BNA F\Methods\8270-BF122624.M
Calibration Table Last Updated: Fri Dec 27 00:31:16 2024

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

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

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	6.828	152	280508	20.000 ng	0.00
21) Naphthalene-d8	8.110	136	1109803	20.000 ng	0.00
39) Acenaphthene-d10	9.857	164	601920	20.000 ng	0.00
64) Phenanthrene-d10	11.345	188	1050286	20.000 ng	0.00
76) Chrysene-d12	13.980	240	837900	20.000 ng	0.00
86) Perylene-d12	15.445	264	873226	20.000 ng	0.00
System Monitoring Compounds					
5) 2-Fluorophenol	0.000	112	0d	0.000 ng	
7) Phenol-d6	0.000	99	0d	0.000 ng	
23) Nitrobenzene-d5	0.000	82	0d	0.000 ng	
42) 2,4,6-Tribromophenol	0.000	330	0d	0.000 ng	
45) 2-Fluorobiphenyl	0.000	172	0d	0.000 ng	
79) Terphenyl-d14	0.000	244	0d	0.000 ng	
Target Compounds					Qvalue
19) n-Nitroso-di-n-propyla...	7.228	70	39726	2.934 ng	97

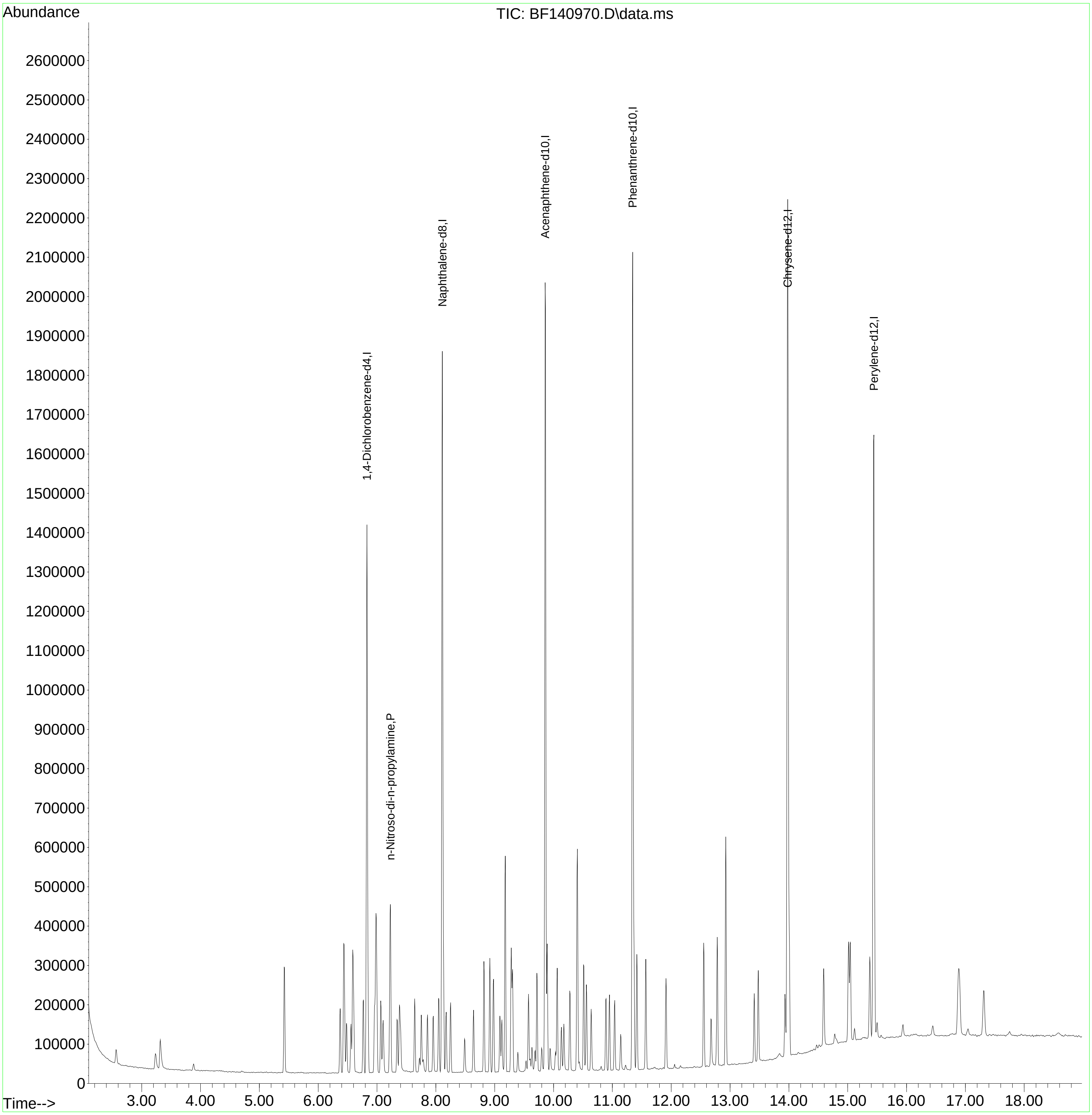
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

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

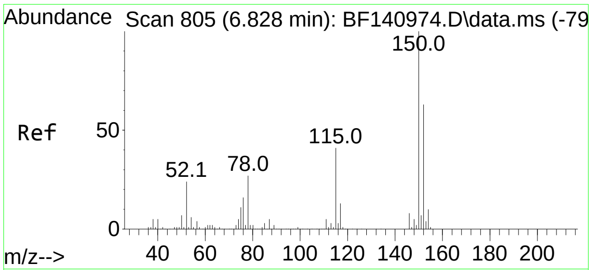
Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

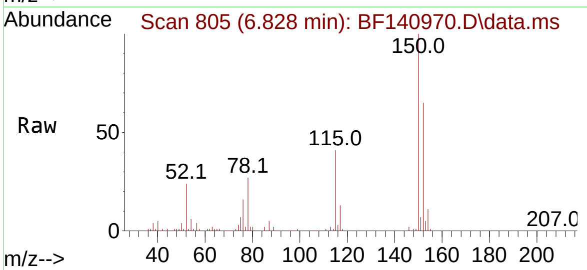
Quant Time: Dec 26 23:46:27 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Dec 26 23:36:05 2024
Response via : Initial Calibration

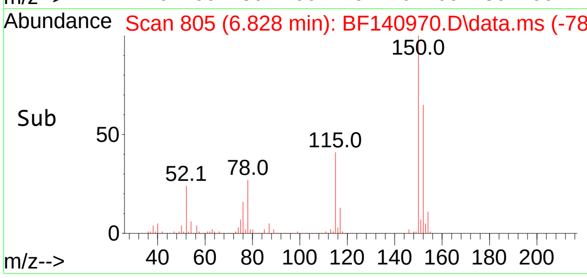


ICAL Form

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5



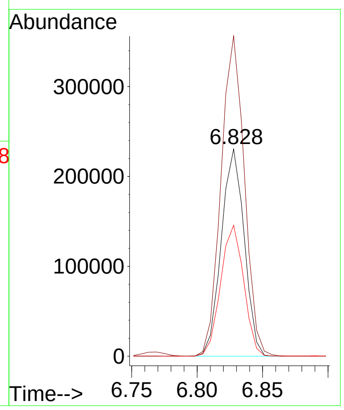


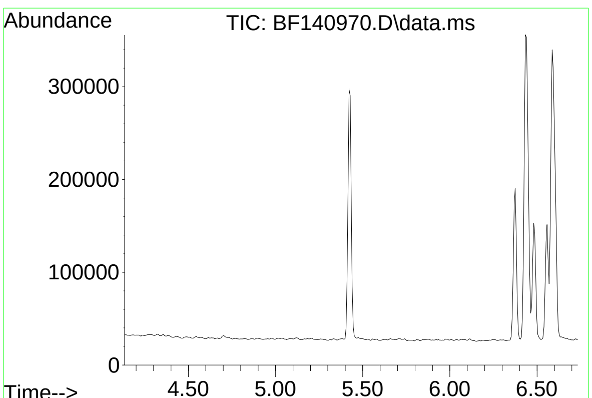


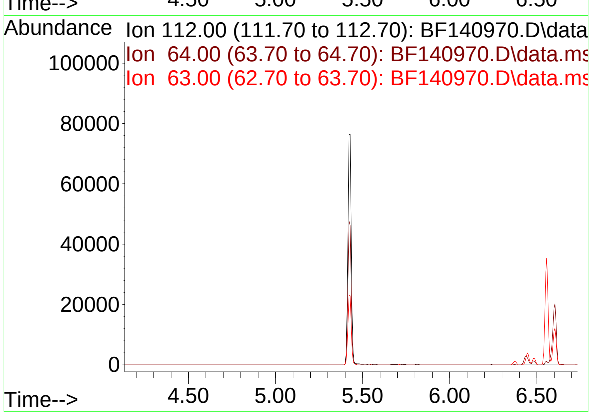
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min   Scan# 8(
Delta R.T.   -0.000 min
Lab File: BF140970.D
Acq: 26 Dec 2024   16:23

Tgt Ion:152 Resp: 280508

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







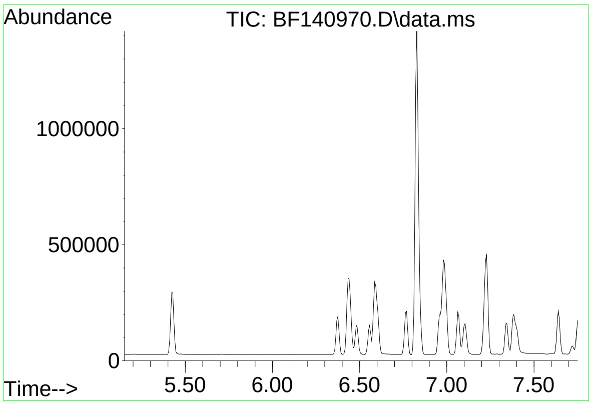
#5
2-Fluorophenol
Concen: 0.000 ng
Expected RT: 5.43 min

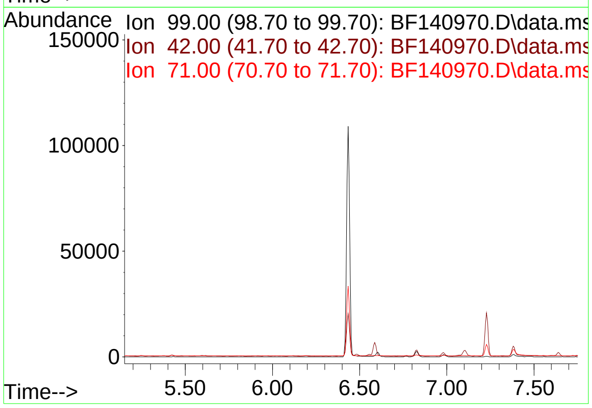
Lab File: BF140970.D
Acq: 26 Dec 2024   16:23

Tgt Ion: 112

Sig	Exp Ratio
112	100
64	59.6
63	30.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

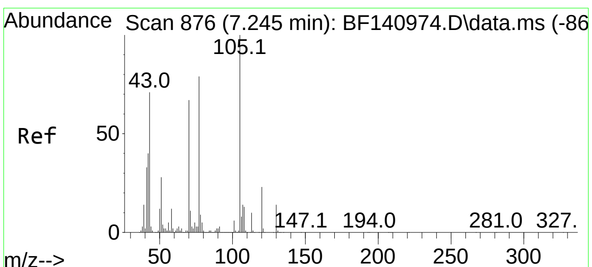


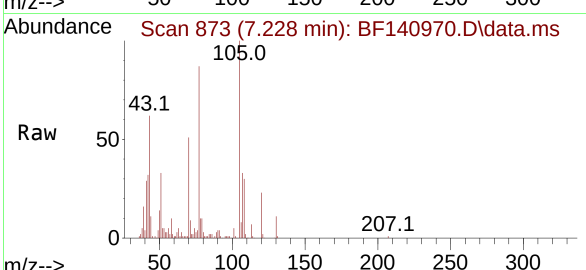


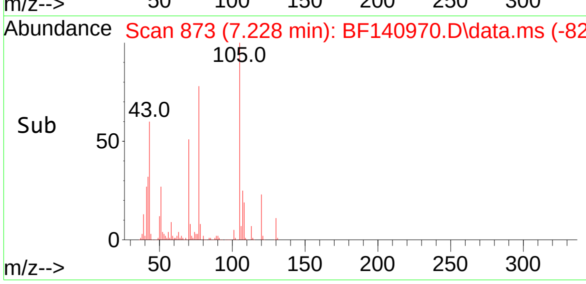

```
#7
Phenol-d6
Concen:    0.000 ng
Expected RT: 6.45 min

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

Tgt Ion:  99
Sig      Exp Ratio
 99        100
 42         18.7
 71         32.7
```

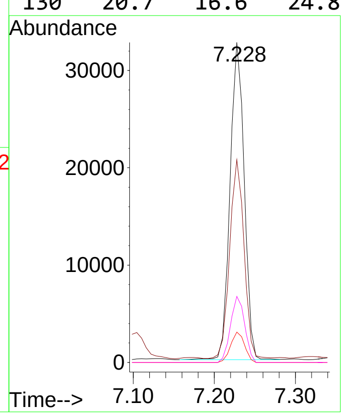




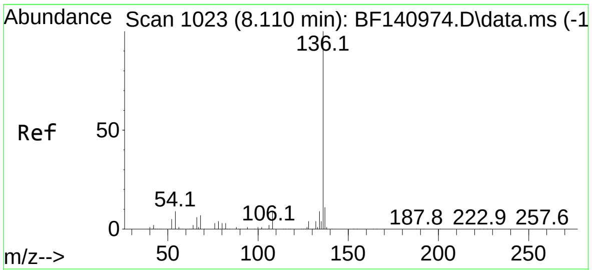


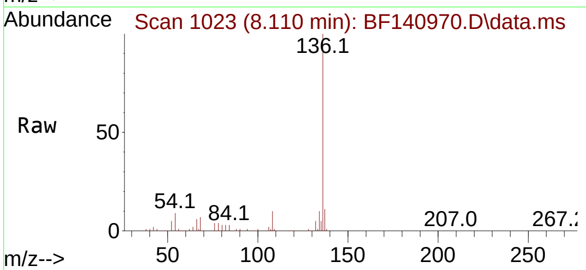

```
#19
n-Nitroso-di-n-propylamine
Concen:    2.934 ng
RT:   7.228 min   Scan# 873
Delta R.T.  -0.018 min
Lab File:   BF140970.D
Acq: 26 Dec 2024  16:23

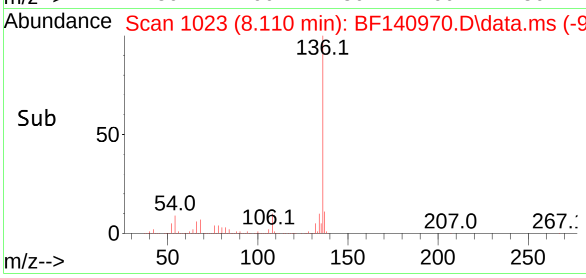
Tgt Ion: 70 Resp:   39726
Ion  Ratio  Lower  Upper
 70  100
 42   63.4   48.1   72.1
101    9.5    7.6   11.4
130   20.7   16.6   24.8
```



ICAL Form





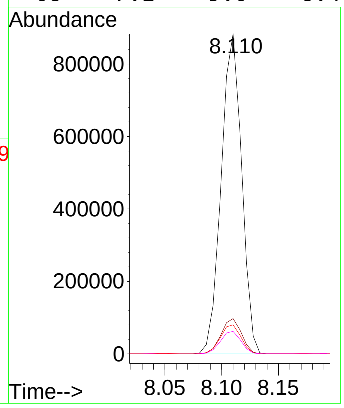


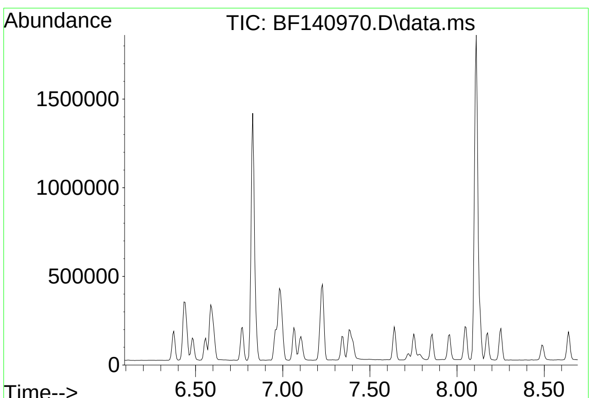
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min   Scan# 1
Delta R.T.   0.000 min
Lab File: BF140970.D
Acq: 26 Dec 2024   16:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:136 Resp: 1109803

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



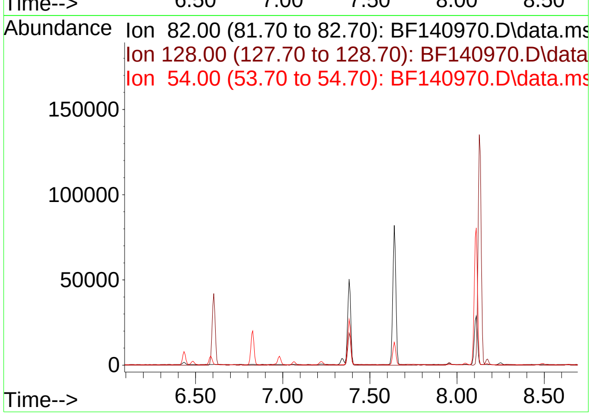


#23
Nitrobenzene-d5
Concen: 0.000 ng
Expected RT: 7.39 min

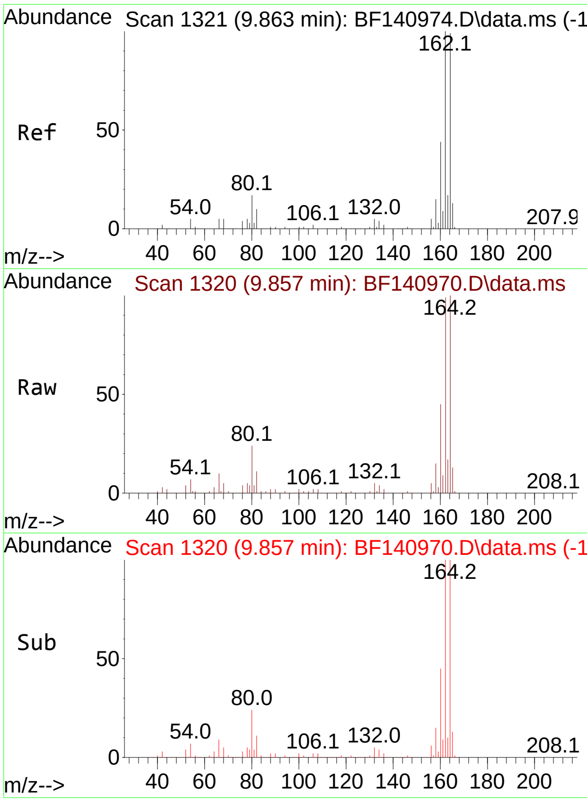
Lab File: BF140970.D
Acq: 26 Dec 2024   16:23

Tgt Ion: 82

Sig	Exp Ratio
82	100
128	43.0
54	53.0



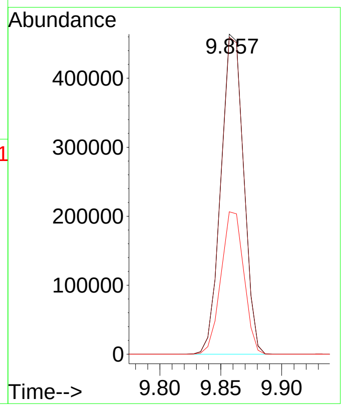
Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

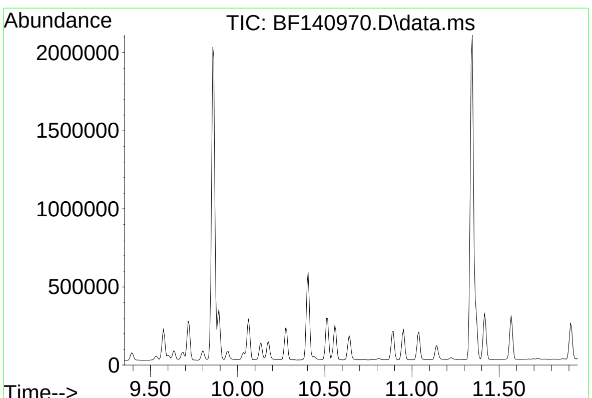


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min   Scan# 1
Delta R.T.   -0.006 min
Lab File: BF140970.D
Acq: 26 Dec 2024   16:23

Tgt Ion:164 Resp: 601920

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



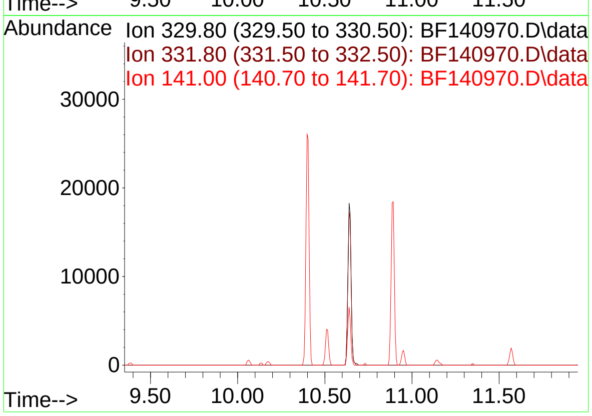


#42
2,4,6-Tribromophenol
Concen: 0.000 ng
Expected RT: 10.65 min

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

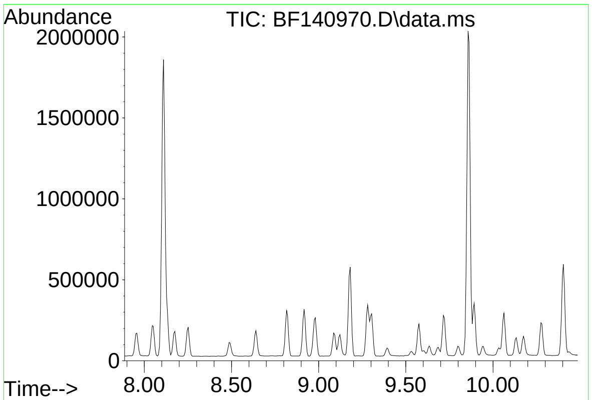
Tgt Ion: 330

Sig	Exp Ratio
330	100
332	97.5
141	33.0



ICAL Form

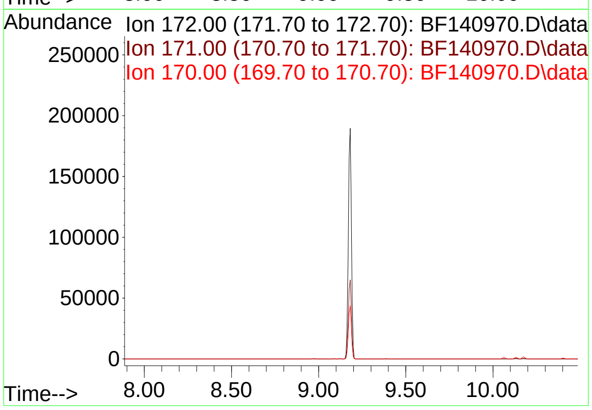
Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

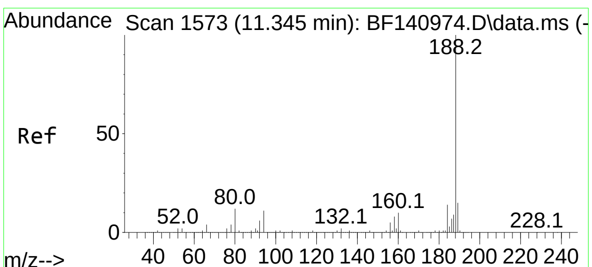


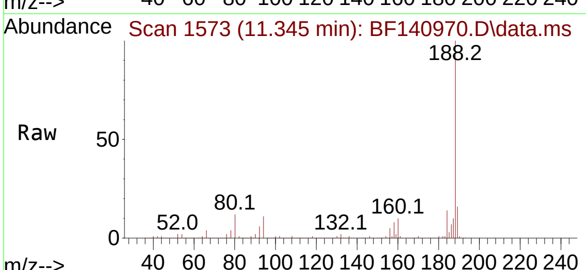

```
#45
2-Fluorobiphenyl
Concen:     0.000 ng
Expected RT: 9.19 min

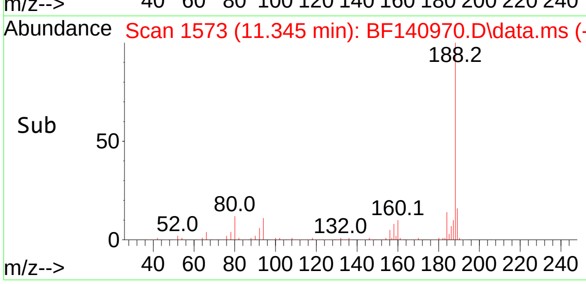
Lab File:    BF140970.D
Acq: 26 Dec 2024   16:23

Tgt Ion: 172
Sig      Exp Ratio
172        100
171         36.2
170         24.5
```



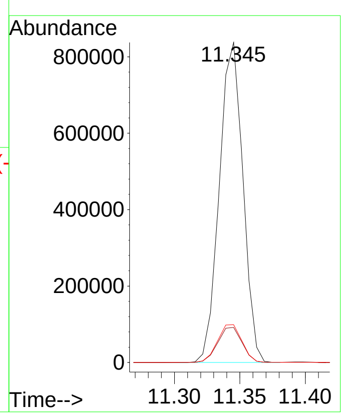




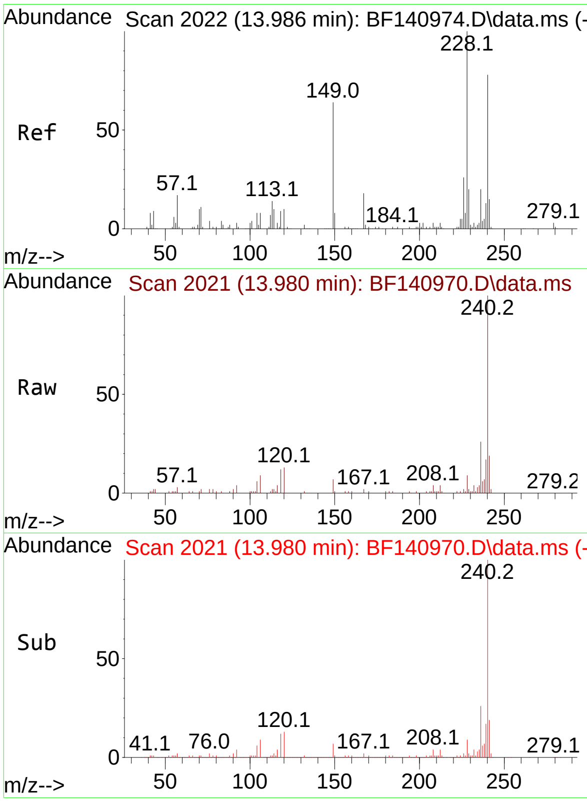



```
#64
Phenanthrene-d10
Concen:   20.000 ng
RT:  11.345 min   Scan# 1573
Delta R.T.  0.000 min
Lab File:    BF140970.D
Acq: 26 Dec 2024   16:23

Tgt Ion:188 Resp: 1050286
Ion  Ratio   Lower  Upper
188  100
 94   11.0     9.0   13.6
 80   11.8     9.8   14.6
```



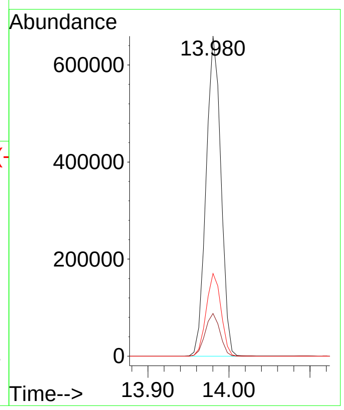
Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

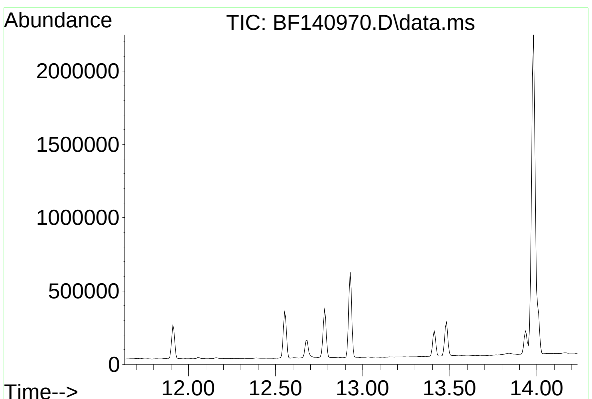


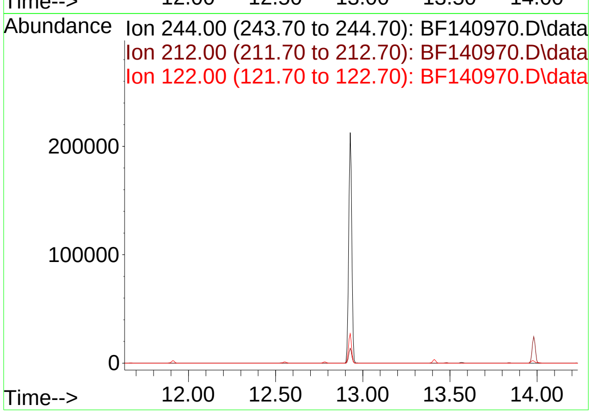
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF140970.D
Acq: 26 Dec 2024 16:23

Tgt Ion:240 Resp: 837900

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





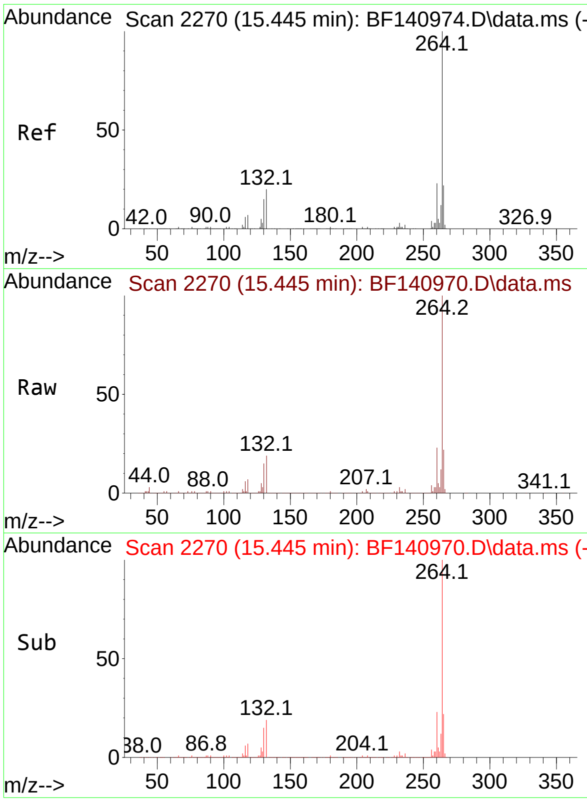


#79
Terphenyl-d14
Concen: 0.000 ng
Expected RT: 12.93 min

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

Tgt Ion: 244

Sig	Exp Ratio
244	100
212	7.1
122	12.7

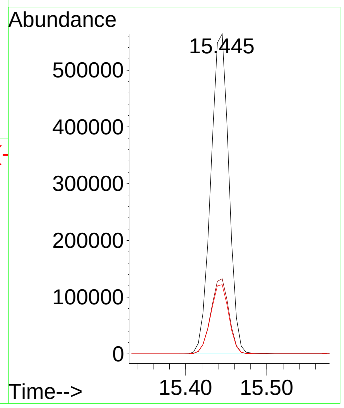


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140970.D
Acq: 26 Dec 2024 16:23

Instrument :
BNA_F
ClientSampleId :
SSTDICC2.5

Tgt Ion:264 Resp: 873226

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



ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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

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

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

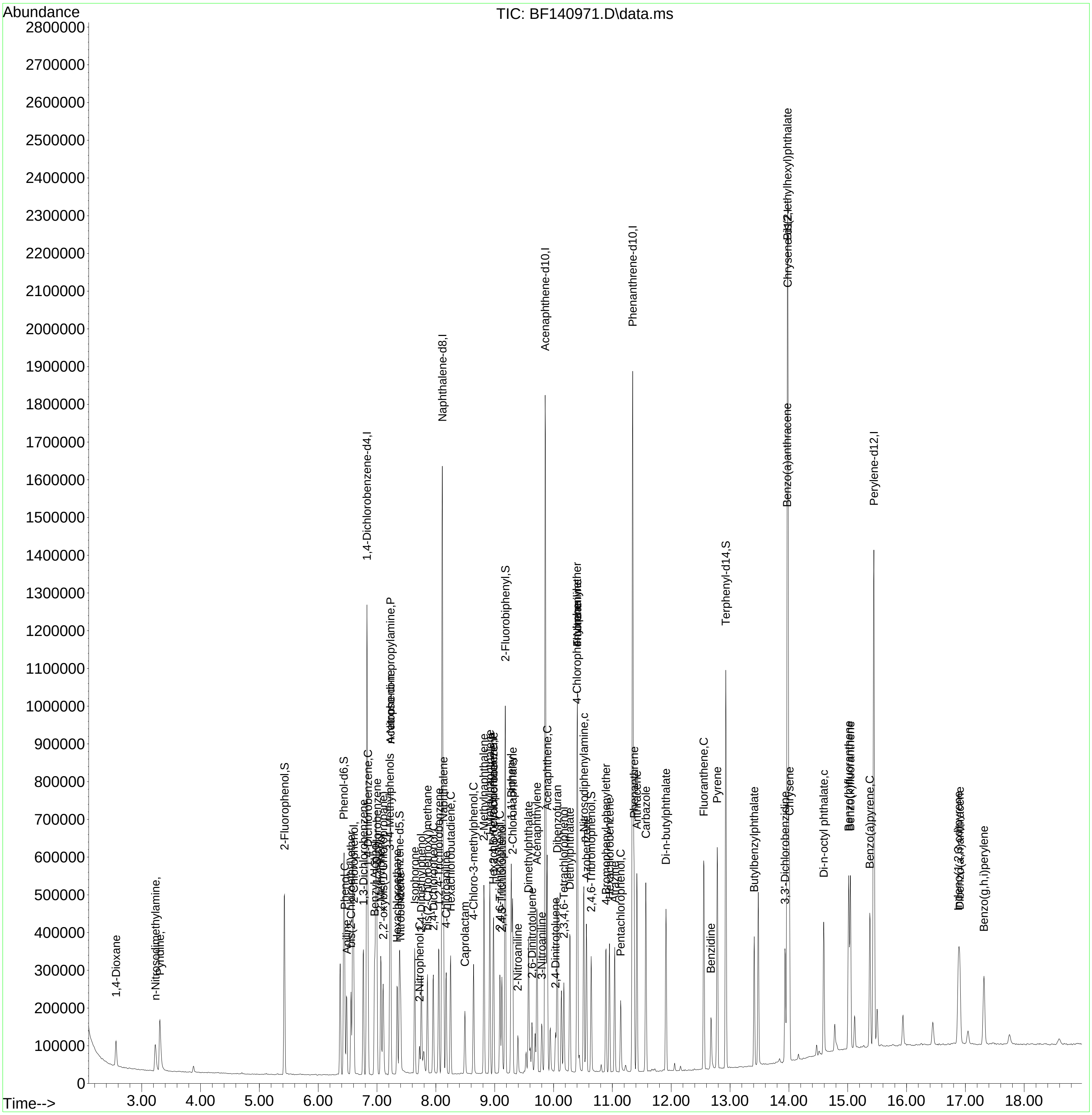
Quantitation Report (QT Reviewed)

ICAL Form

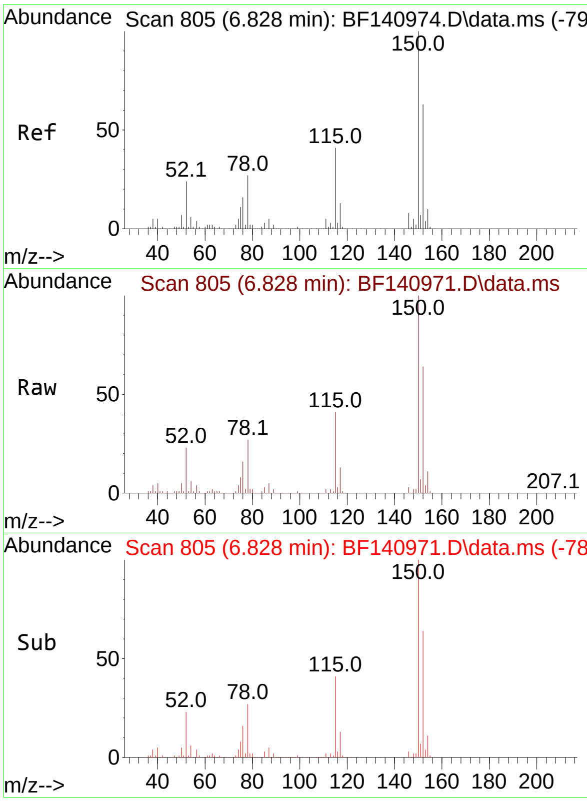
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140971.D
Acq On : 26 Dec 2024 16:49
Operator : RC/JU
Sample : SSTDICC005
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

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



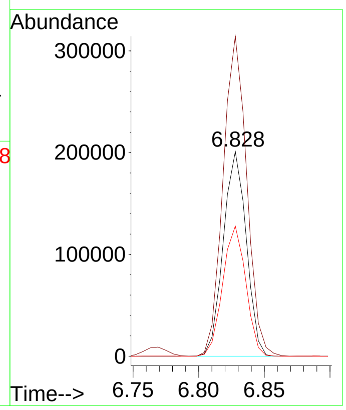
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

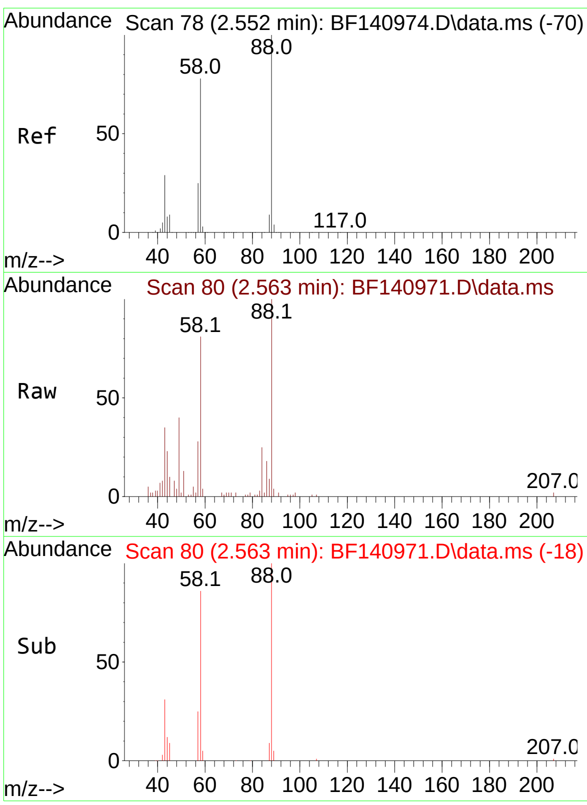


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min   Scan# 8
Delta R.T.   -0.000 min
Lab File: BF140971.D
Acq: 26 Dec 2024   16:49

Tgt Ion:152 Resp: 244397

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

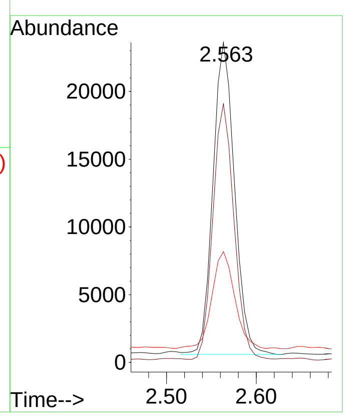




#2
1,4-Dioxane
Concen: 5.241 ng
RT: 2.563 min   Scan# 80
Delta R.T.   0.012 min
Lab File: BF140971.D
Acq: 26 Dec 2024   16:49

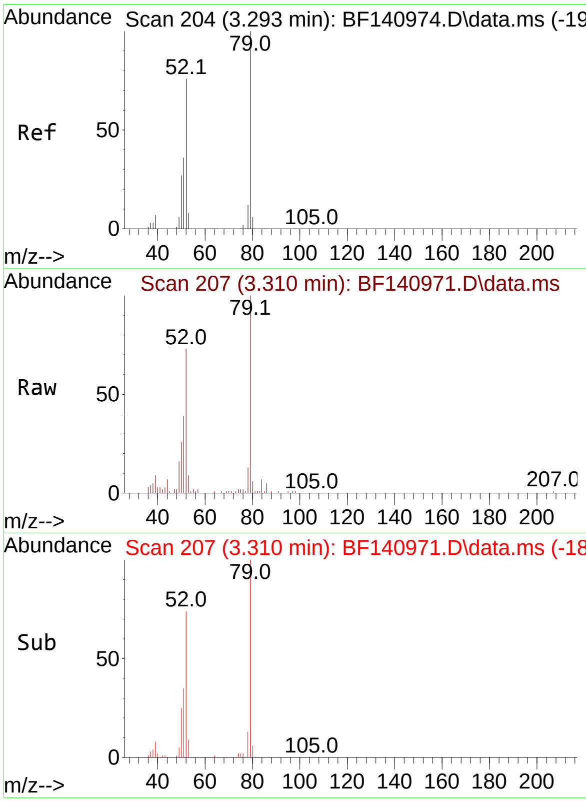
Tgt Ion: 88 Resp: 38472

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



ICAL Form

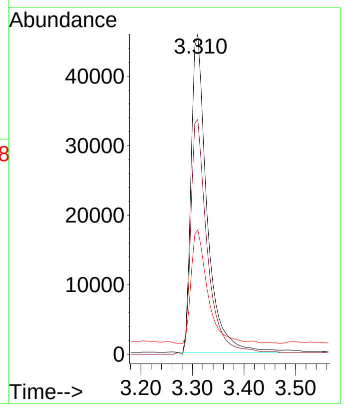
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

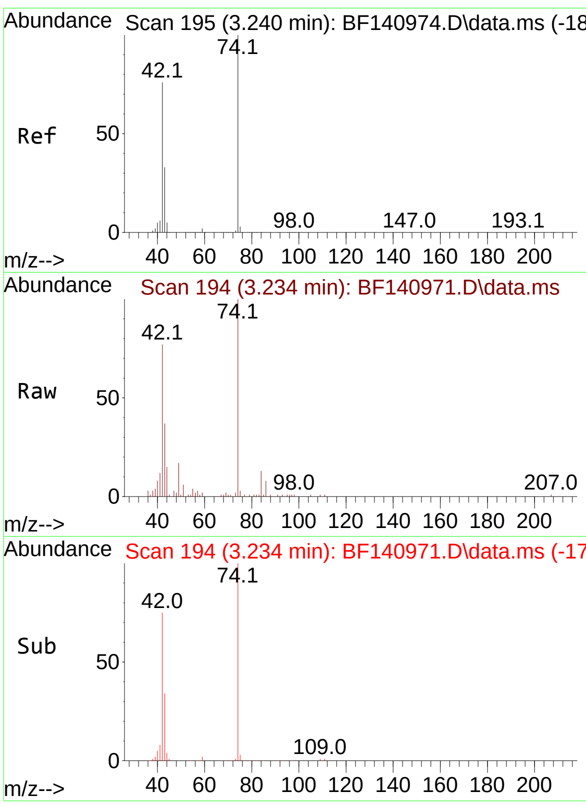


#3
Pyridine
Concen: 5.521 ng
RT: 3.310 min Scan# 2
Delta R.T. 0.018 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion: 79 Resp: 99046

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

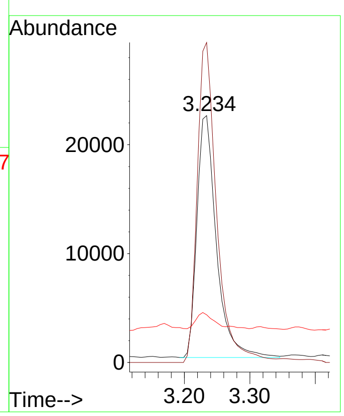




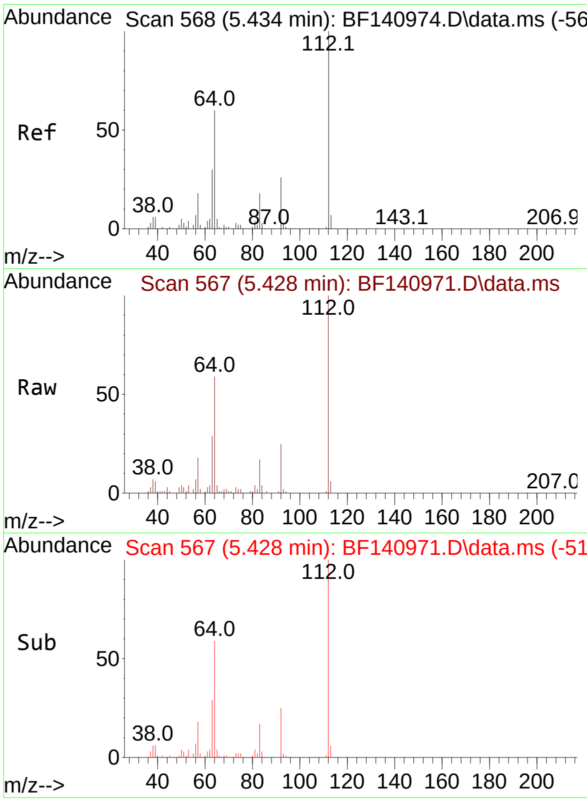
#4
n-Nitrosodimethylamine
Concen: 5.077 ng
RT: 3.234 min Scan# 194
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion: 42 Resp: 46147

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



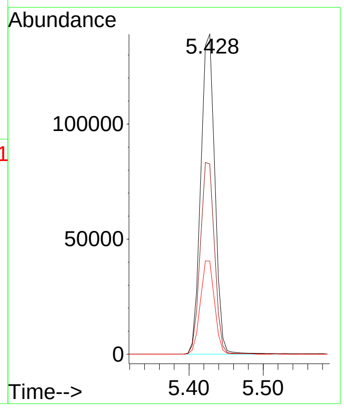
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

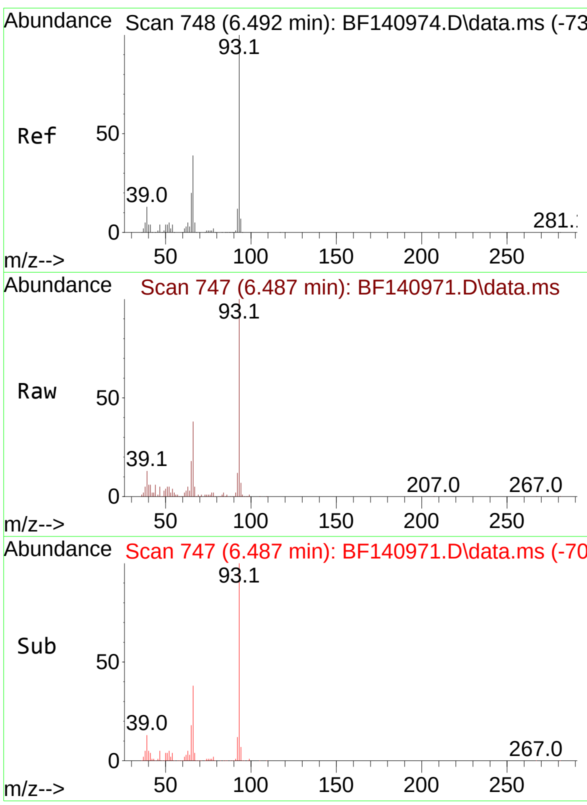


#5
2-Fluorophenol
Concen: 11.323 ng
RT: 5.428 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:112 Resp: 183577

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

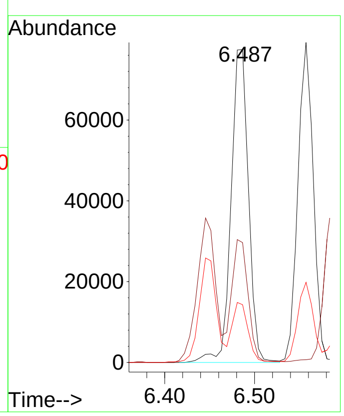




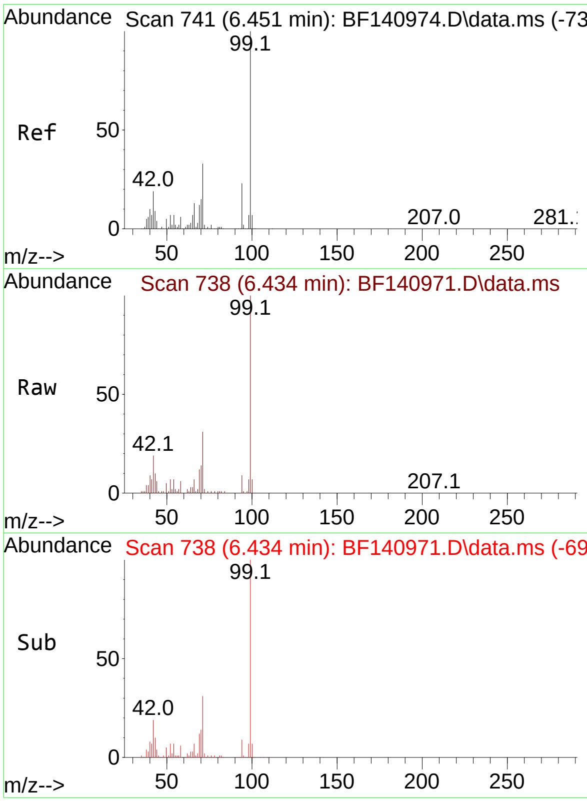
#6
Aniline
Concen: 5.605 ng
RT: 6.487 min Scan# 747
Delta R.T. -0.024 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion: 93 Resp: 104416

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



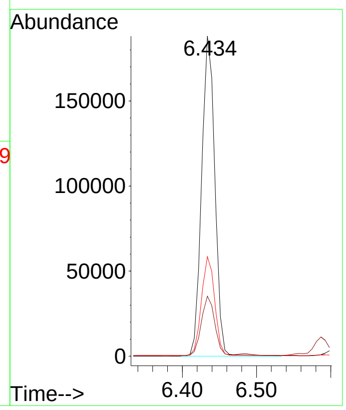
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

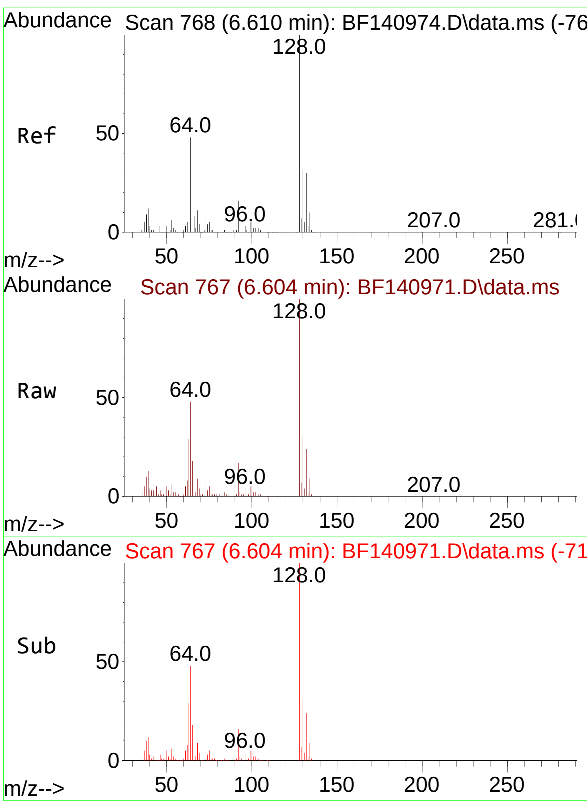


#7
Phenol-d6
Concen: 11.178 ng
RT: 6.434 min   Scan# 7
Delta R.T.   -0.018 min
Lab File: BF140971.D
Acq: 26 Dec 2024   16:49

Tgt Ion: 99 Resp: 233457

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

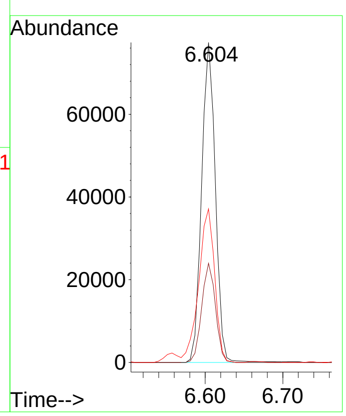




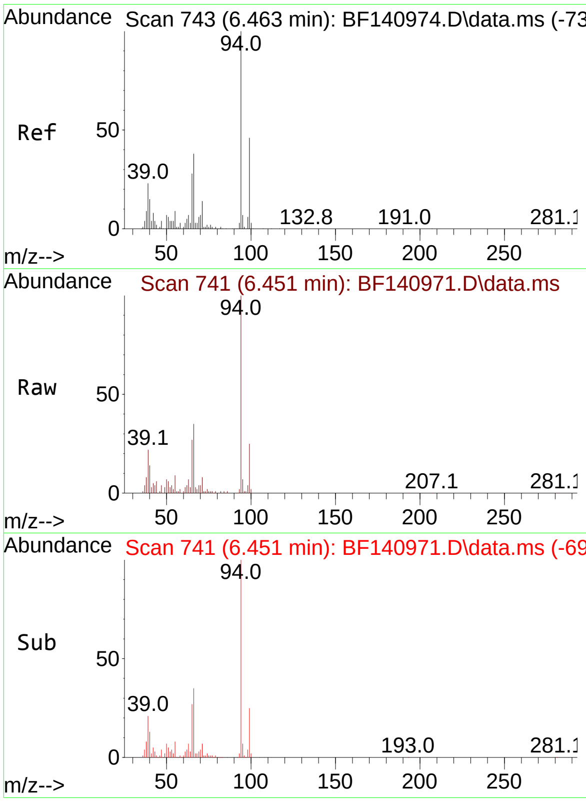
#8
2-Chlorophenol
Concen: 5.563 ng
RT: 6.604 min   Scan# 767
Delta R.T.   -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024   16:49

Tgt Ion:128 Resp: 95096

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



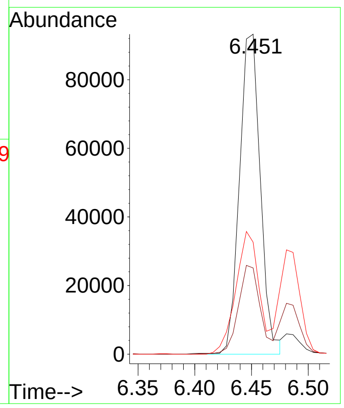
Instrument : BNA_F
ClientSampleId : SSTDICC005

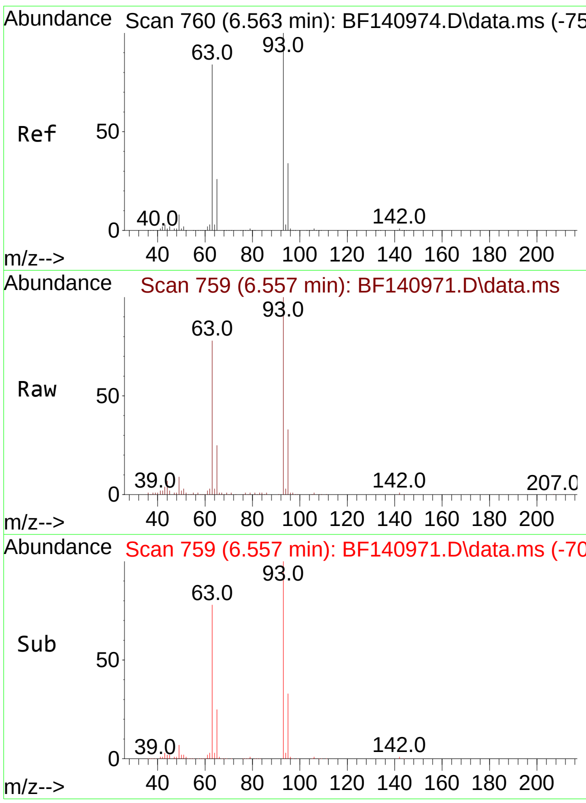


#10
Phenol
Concen: 5.534 ng
RT: 6.451 min Scan# 7
Delta R.T. -0.012 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion: 94 Resp: 119516

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

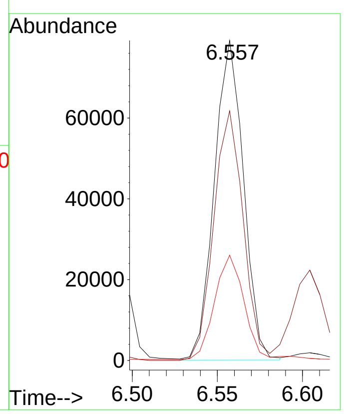




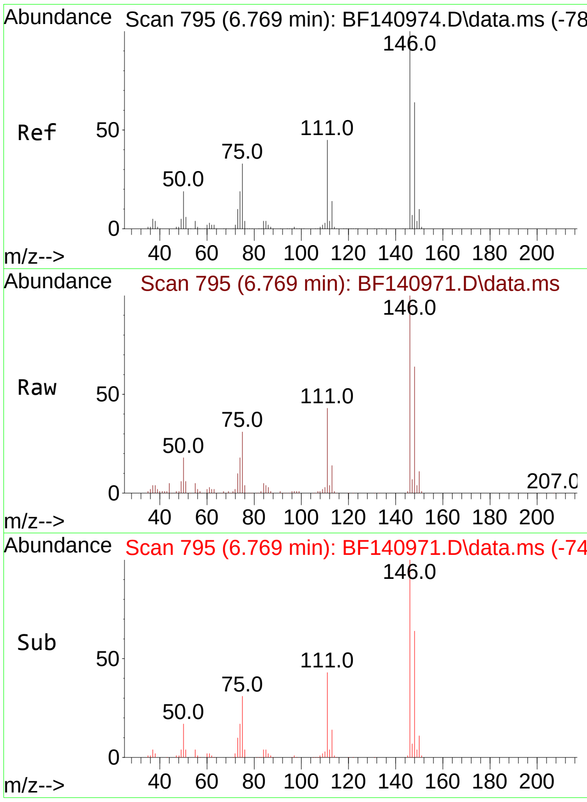
#11
bis(2-Chloroethyl)ether
Concen: 5.412 ng
RT: 6.557 min Scan# 759
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion: 93 Resp: 94288

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



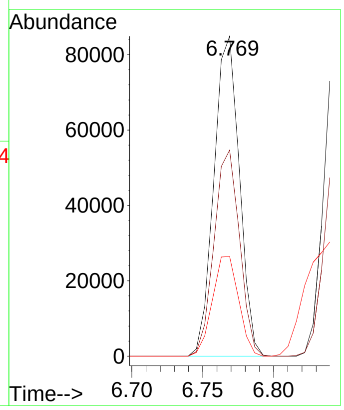
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

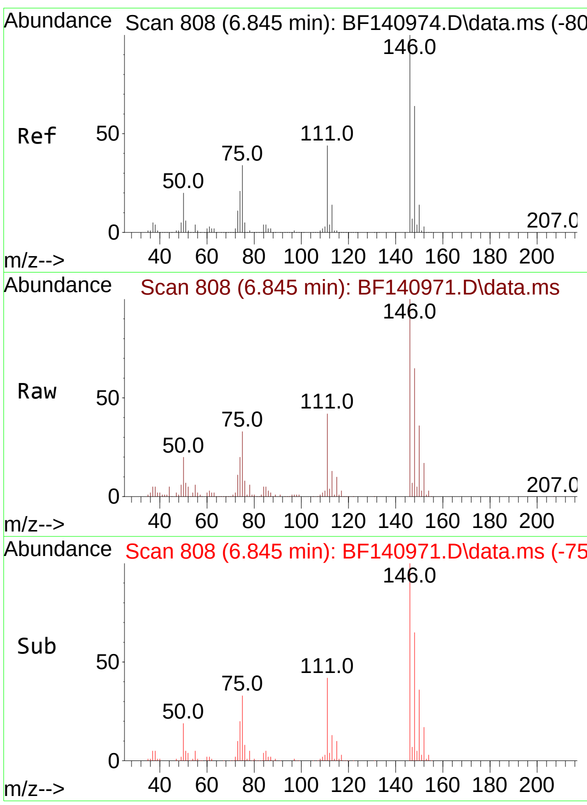


#12
1,3-Dichlorobenzene
Concen: 5.621 ng
RT: 6.769 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:146 Resp: 106038

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

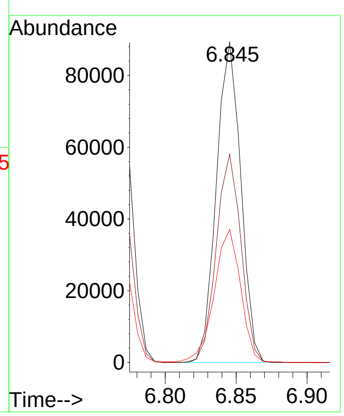




#13
1,4-Dichlorobenzene
Concen: 5.621 ng
RT: 6.845 min Scan# 808
Delta R.T. 0.000 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

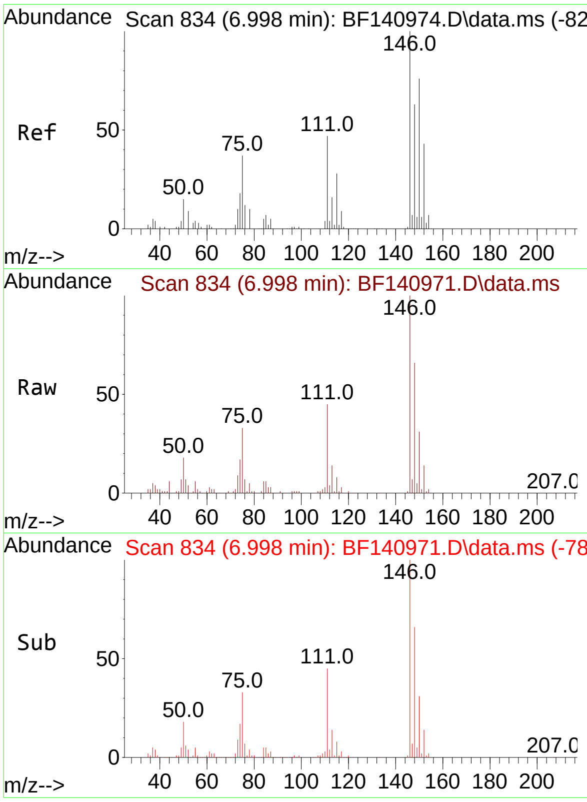
Tgt Ion:146 Resp: 106890

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



ICAL Form

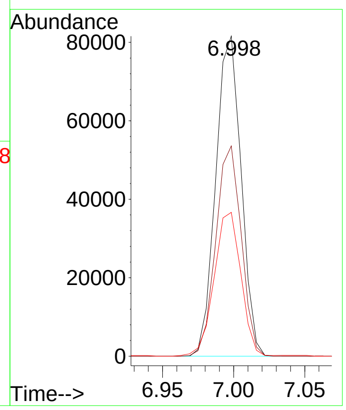
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

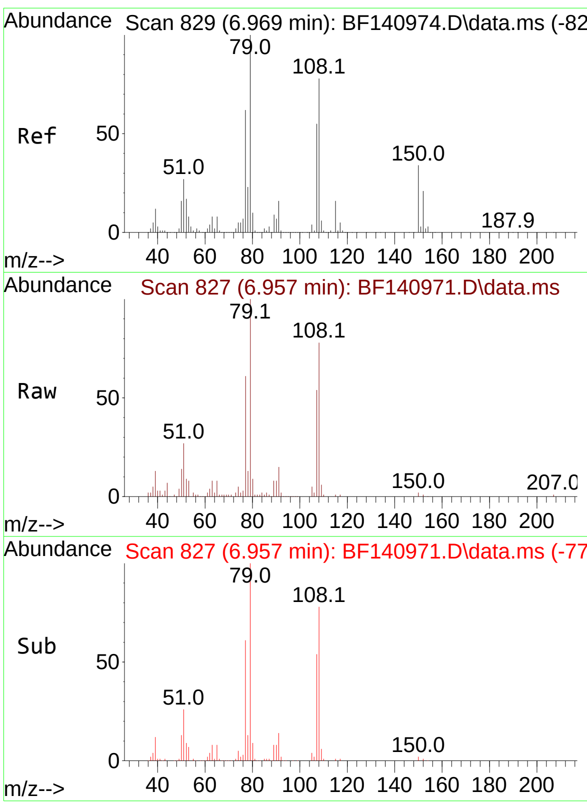


#14
1,2-Dichlorobenzene
Concen: 5.721 ng
RT: 6.998 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:146 Resp: 101438

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

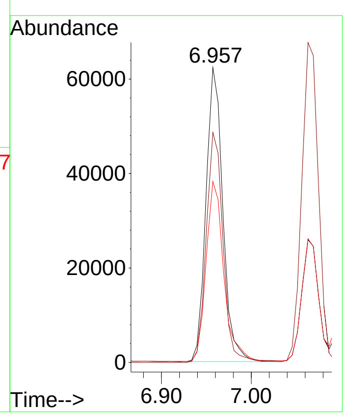


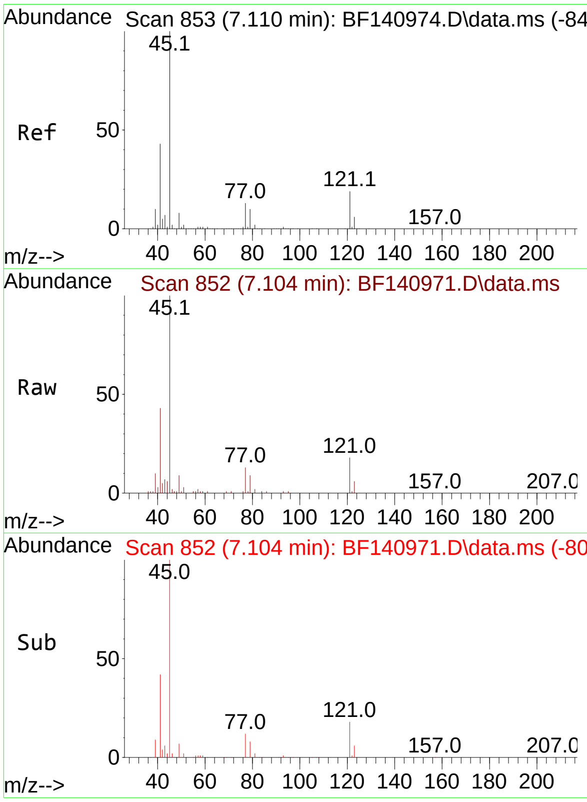


#15
Benzyl Alcohol
Concen: 5.426 ng
RT: 6.957 min Scan# 827
Delta R.T. -0.012 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion: 79 Resp: 81438

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



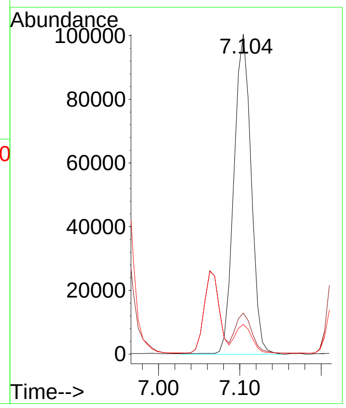


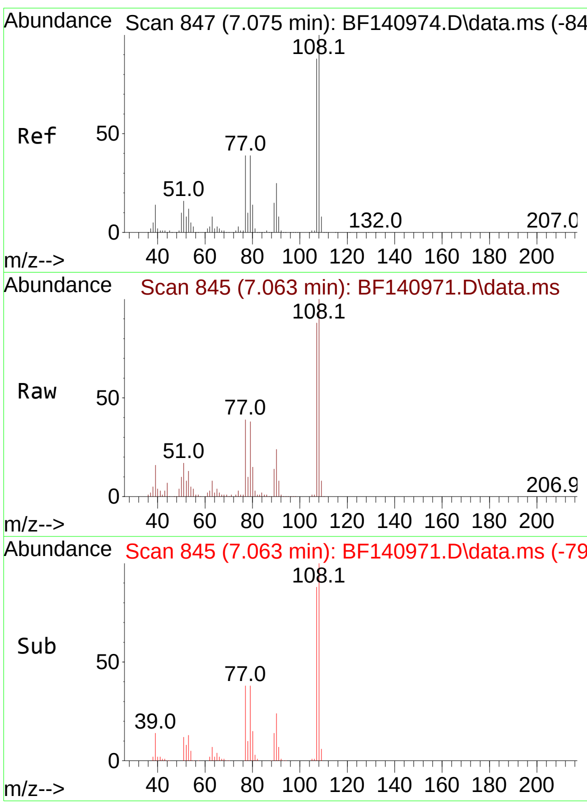
#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.606 ng
RT: 7.104 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion: 45 Resp: 147834

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

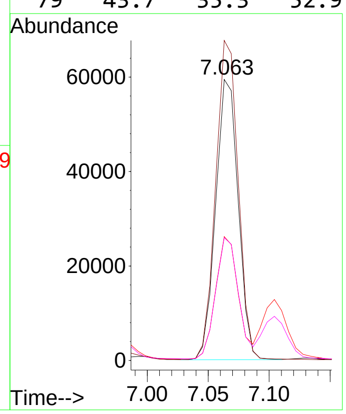




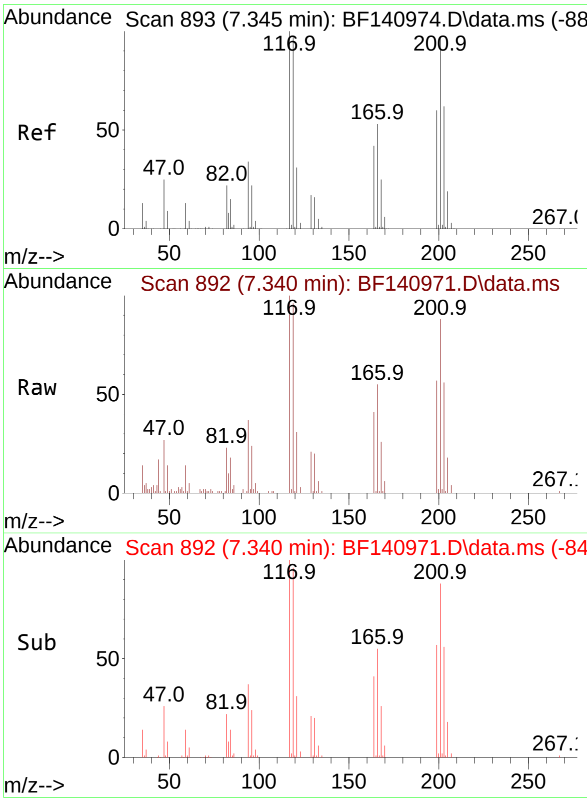
#17
2-Methylphenol
Concen: 5.378 ng
RT: 7.063 min Scan# 845
Delta R.T. -0.012 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:107 Resp: 76369

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

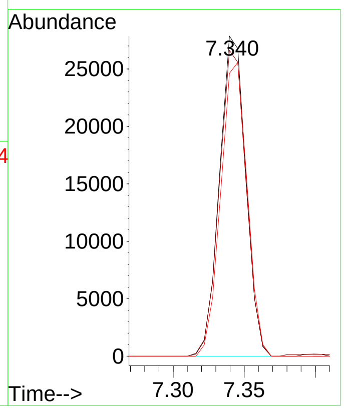


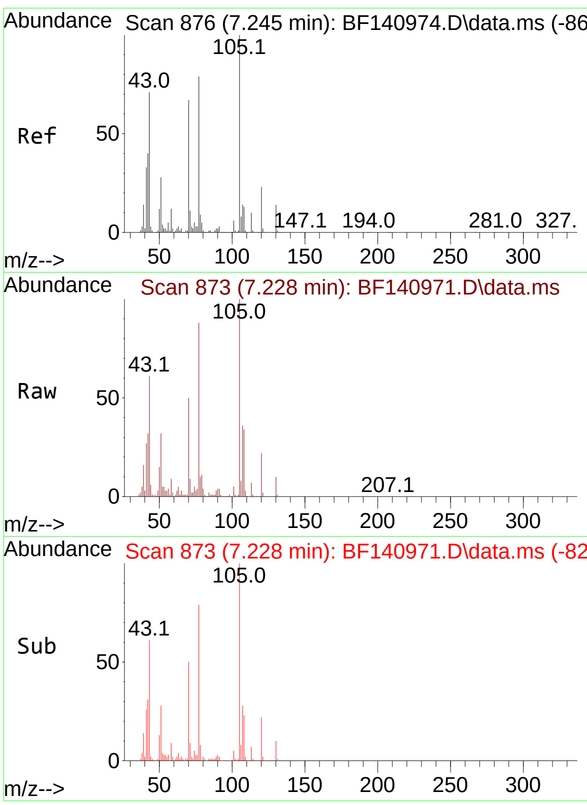
Instrument :
BNA_F
ClientSampleId :
SSTDICC005




```
#18
Hexachloroethane
Concen:    5.313 ng
RT:   7.340 min  Scan# 89
Delta R.T.  -0.006 min
Lab File:   BF140971.D
Acq: 26 Dec 2024  16:49

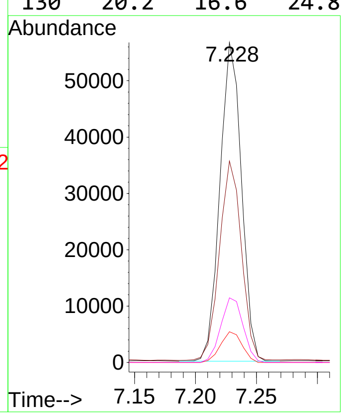
Tgt Ion:117 Resp:   35891
Ion  Ratio  Lower  Upper
117  100
119   95.6   77.5  116.3
201   88.4   77.4  116.2
```



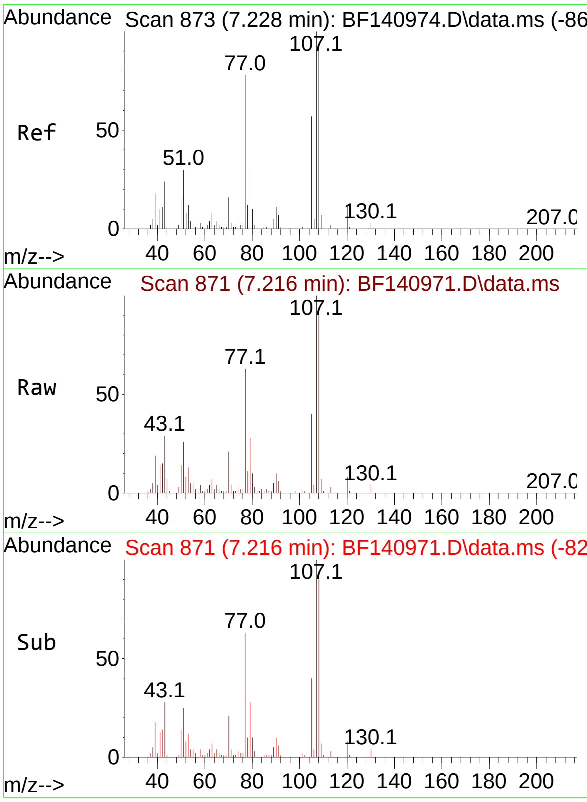



```
#19
n-Nitroso-di-n-propylamine
Concen:    5.445 ng
RT:   7.228 min  Scan# 873
Delta R.T.  -0.018 min
Lab File:   BF140971.D
Acq: 26 Dec 2024  16:49

Tgt Ion: 70 Resp:   69676
Ion  Ratio  Lower  Upper
 70  100
 42   63.0   48.1   72.1
101    9.6    7.6   11.4
130   20.2   16.6   24.8
```



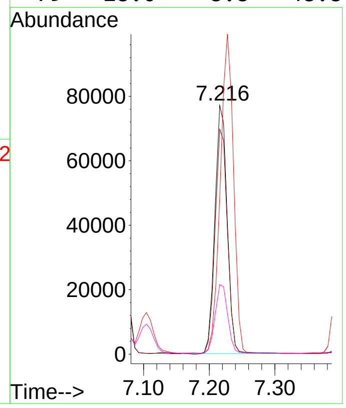
Instrument : BNA_F
ClientSampleId : SSTDICC005

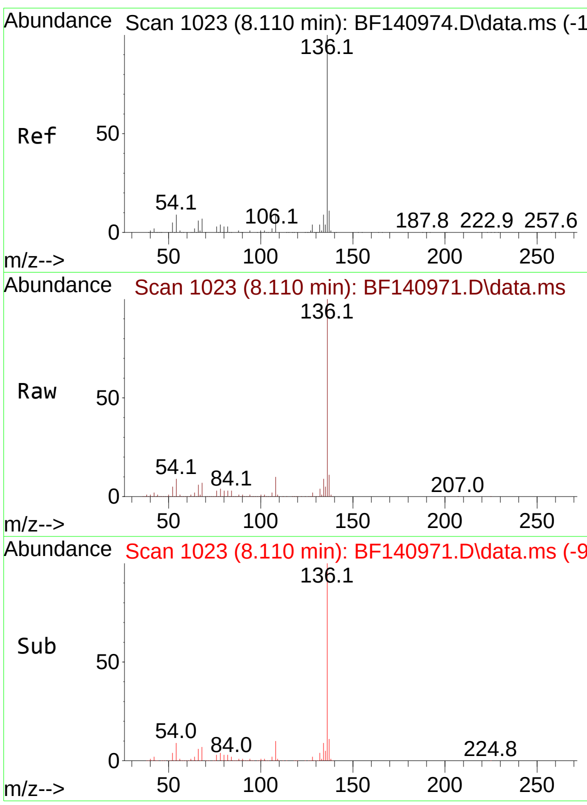


#20
3+4-Methylphenols
Concen: 5.590 ng
RT: 7.216 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:107 Resp: 100457

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

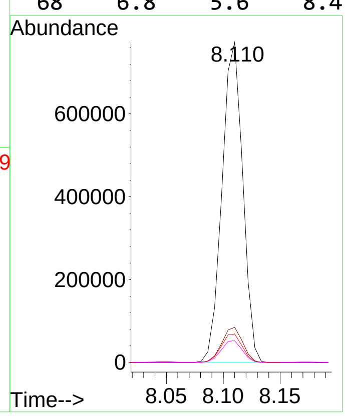




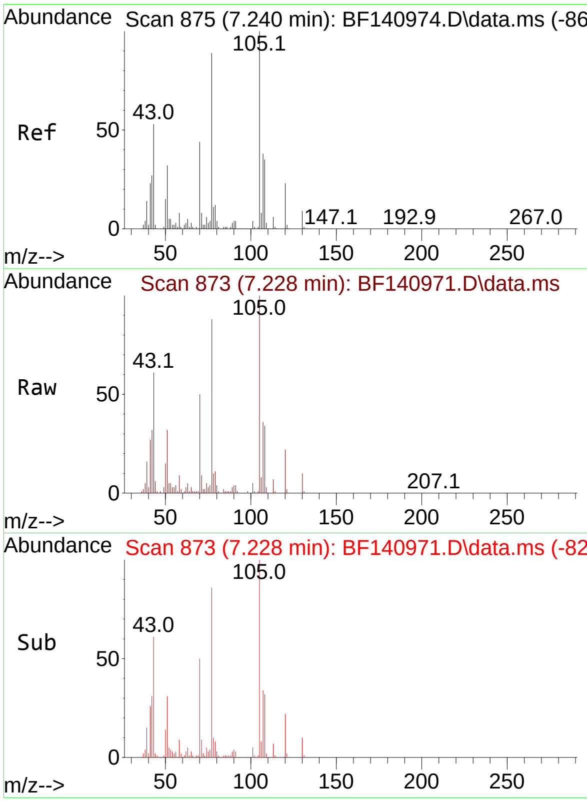
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:136 Resp: 981263

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



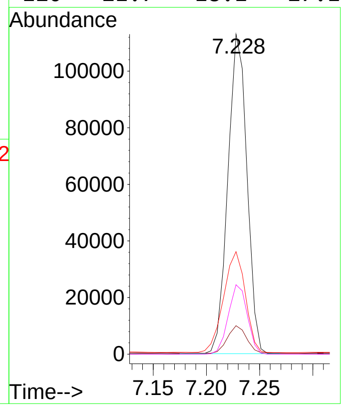
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

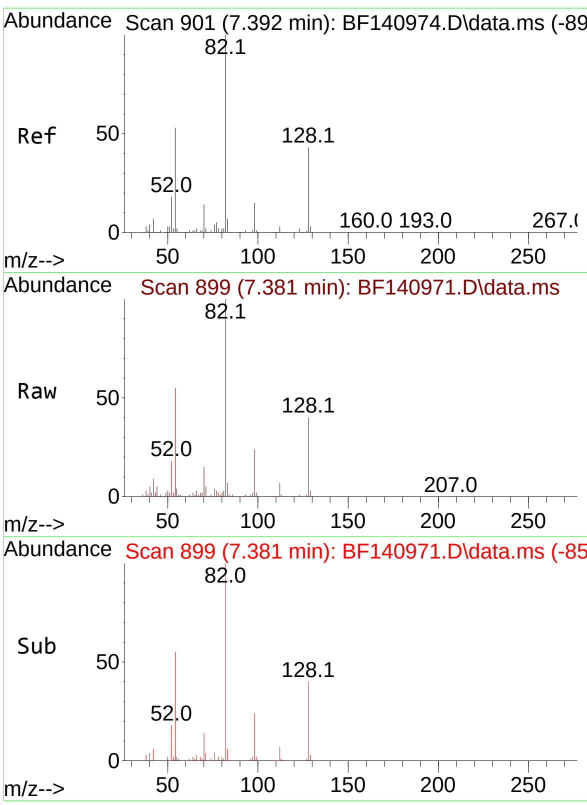


#22
Acetophenone
Concen: 5.856 ng
RT: 7.228 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:105 Resp: 140966

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

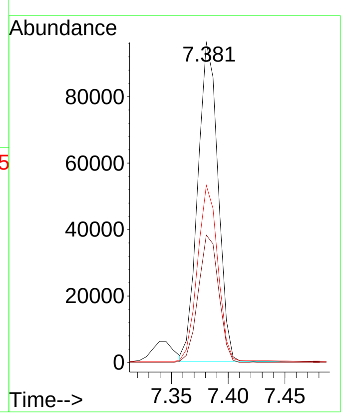




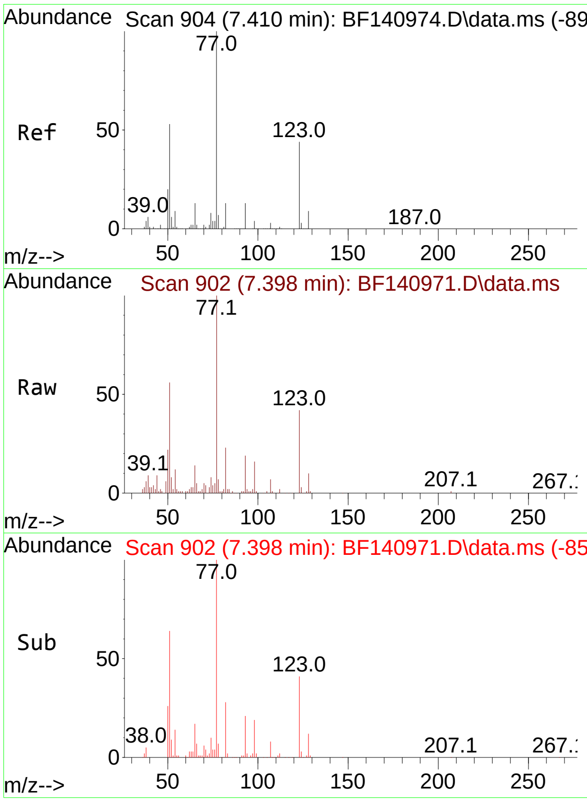
#23
Nitrobenzene-d5
Concen: 7.800 ng
RT: 7.381 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion: 82 Resp: 119635

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



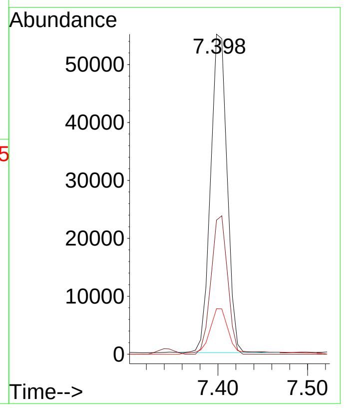
Instrument : BNA_F
ClientSampleId : SSTDICC005

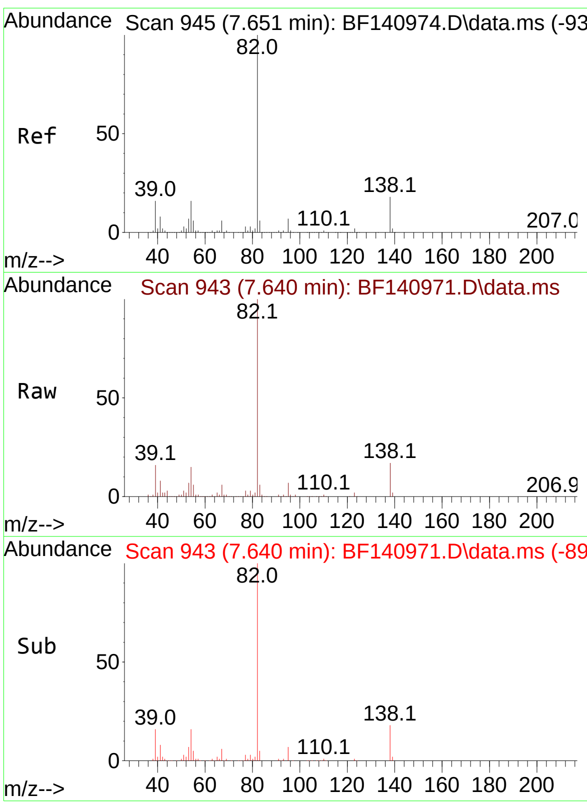


#24
Nitrobenzene
Concen: 4.120 ng
RT: 7.398 min Scan# 90
Delta R.T. -0.012 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion: 77 Resp: 70606

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

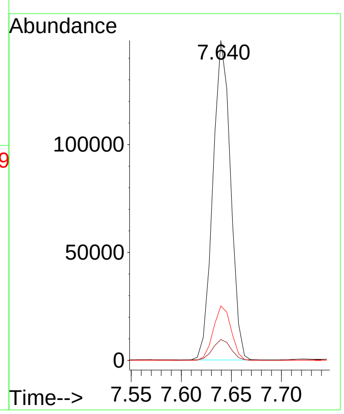




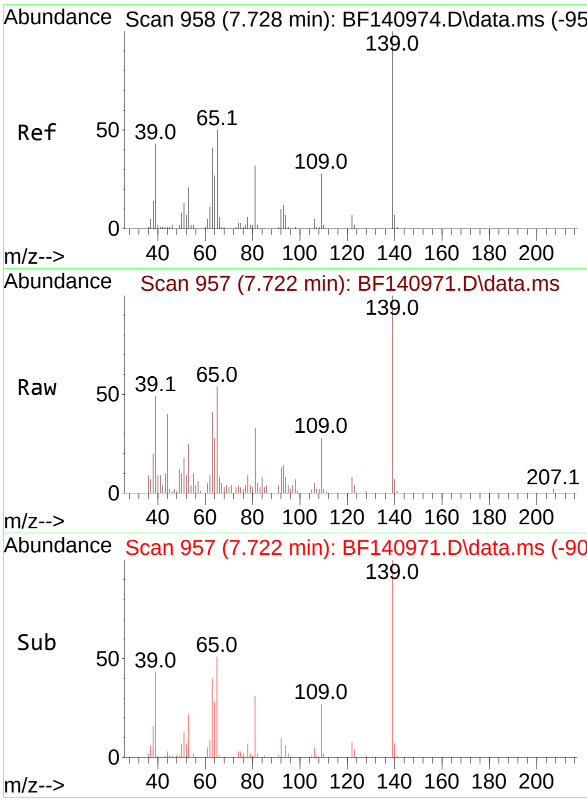
#25
Isophorone
Concen: 5.467 ng
RT: 7.640 min Scan# 943
Delta R.T. -0.012 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion: 82 Resp: 182478

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



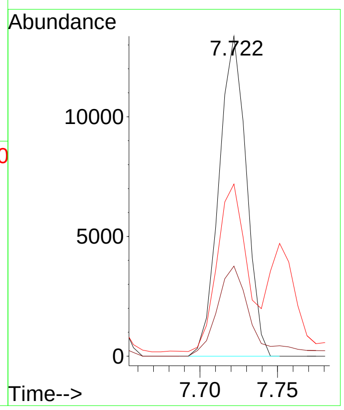
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

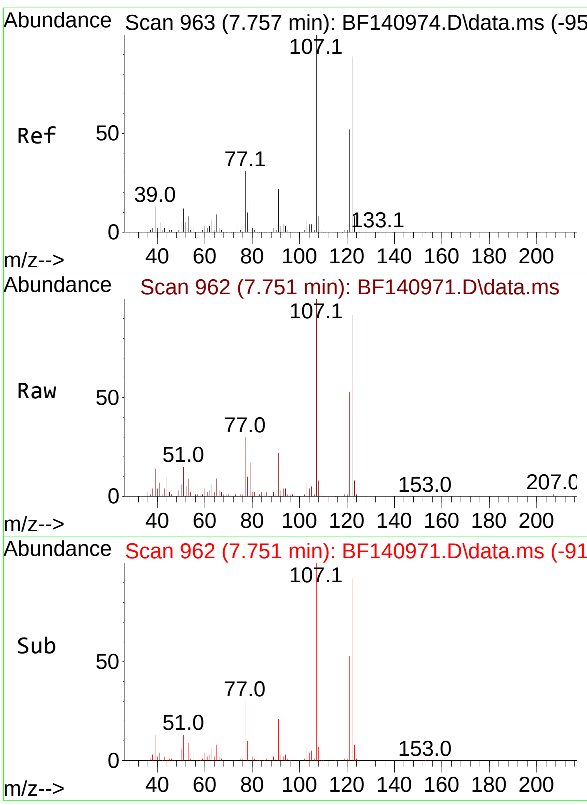


#26
2-Nitrophenol
Concen: 7.379 ng
RT: 7.722 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:139 Resp: 16400

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

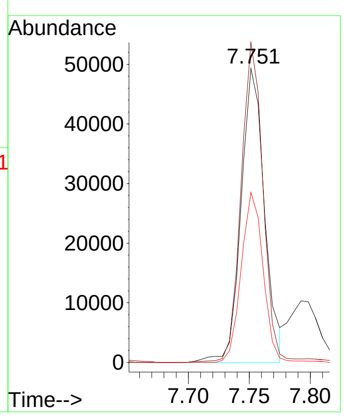




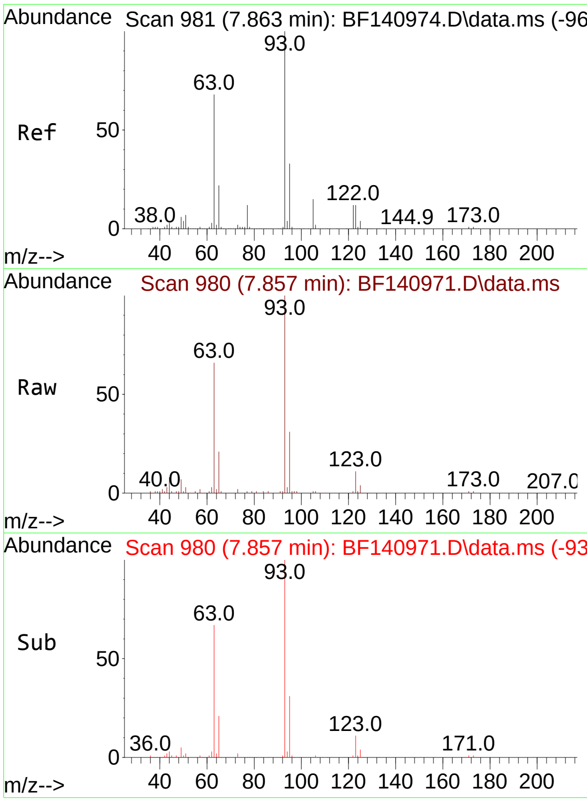
#27
2,4-Dimethylphenol
Concen: 5.391 ng
RT: 7.751 min Scan# 962
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:122 Resp: 65753

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



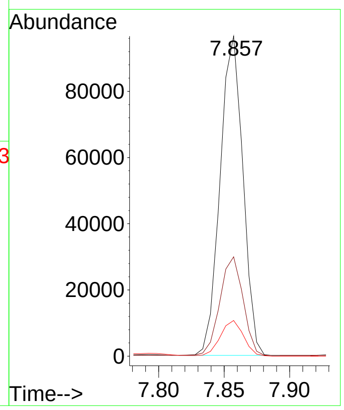
Instrument : BNA_F
ClientSampleId : SSTDICC005

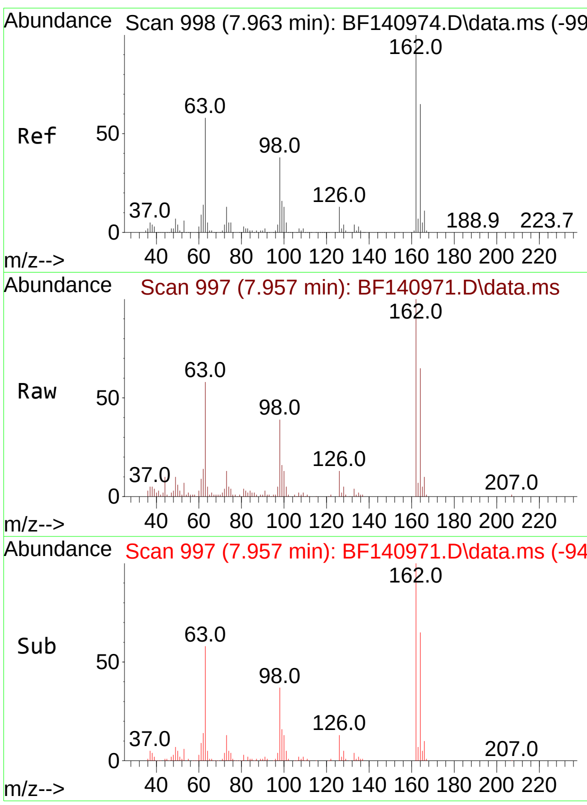


#28
bis(2-Chloroethoxy)methane
Concen: 5.534 ng
RT: 7.857 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion: 93 Resp: 117023

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

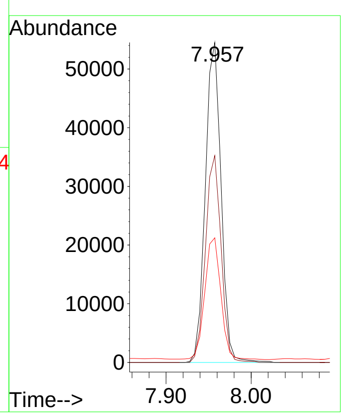




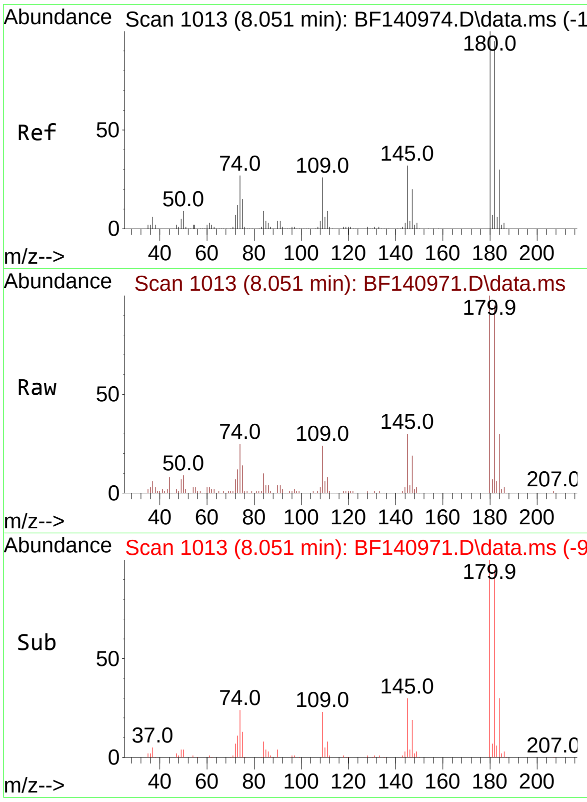
#29
2,4-Dichlorophenol
Concen: 5.074 ng
RT: 7.957 min Scan# 997
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:162 Resp: 70187

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



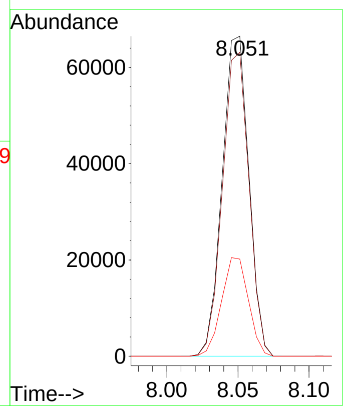
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

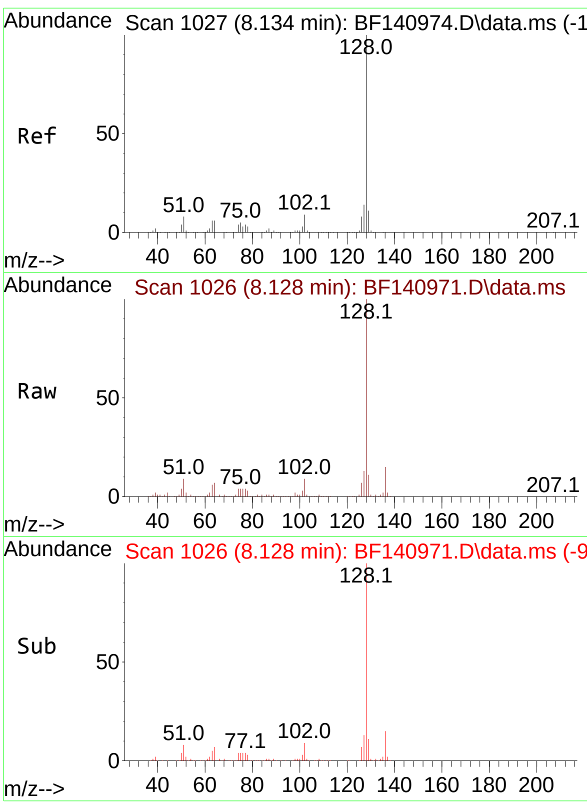


#30
1,2,4-Trichlorobenzene
Concen: 5.549 ng
RT: 8.051 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:180 Resp: 86885

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

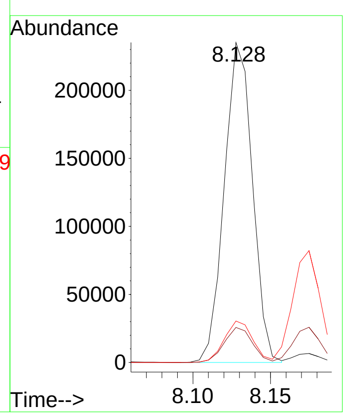


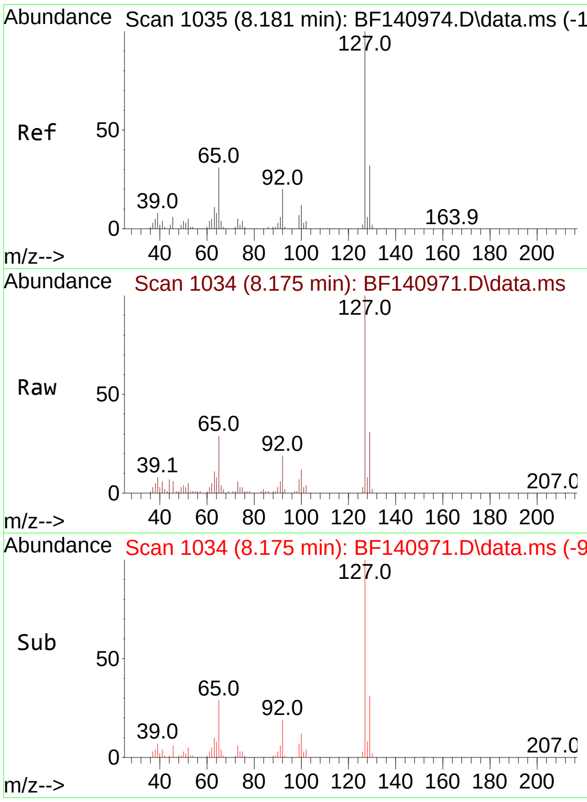


#31
Naphthalene
Concen: 5.734 ng
RT: 8.128 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:128 Resp: 296471

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





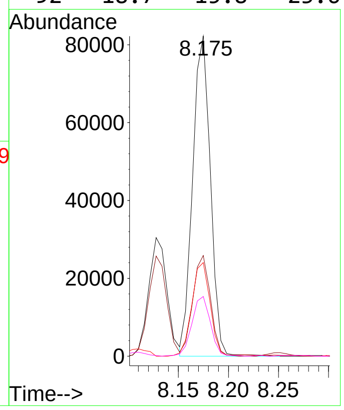
#33
4-Chloroaniline
Concen: 5.435 ng
RT: 8.175 min Scan# 1

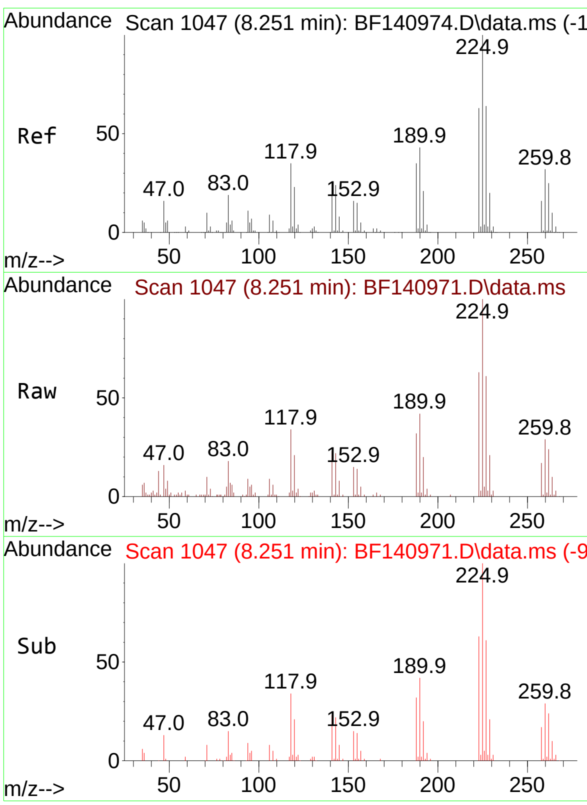
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:127 Resp: 101675

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

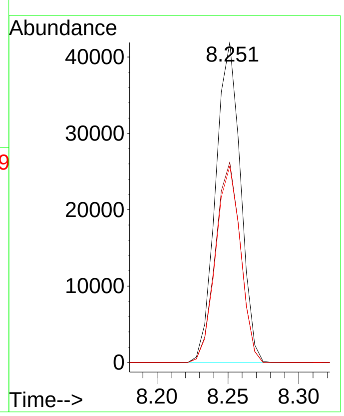




#34
Hexachlorobutadiene
Concen: 5.527 ng
RT: 8.251 min Scan# 1047
Delta R.T. 0.000 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

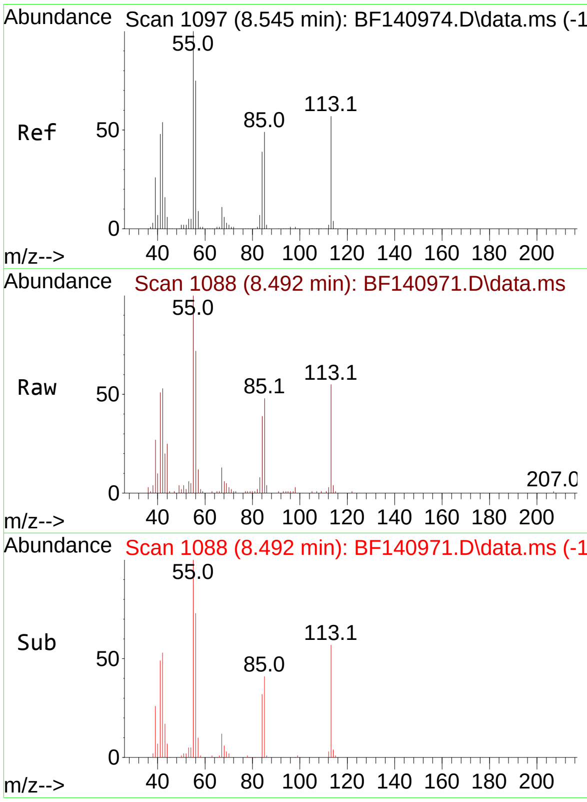
Tgt Ion:225 Resp: 51022

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



ICAL Form

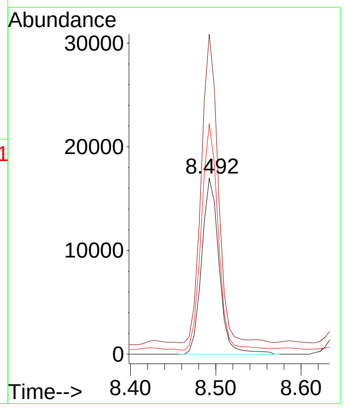
Instrument : BNA_F
ClientSampleId : SSTDICC005

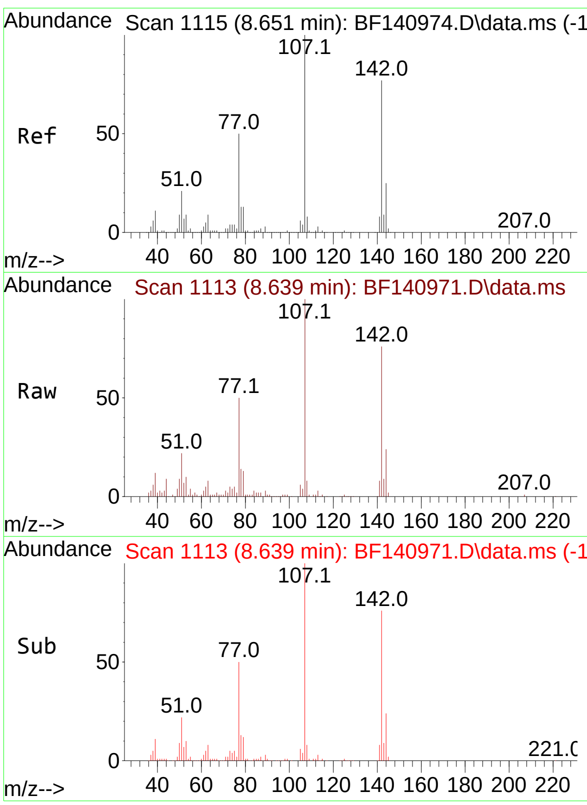


#35
Caprolactam
Concen: 5.102 ng
RT: 8.492 min Scan# 10
Delta R.T. -0.053 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:113 Resp: 23997

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

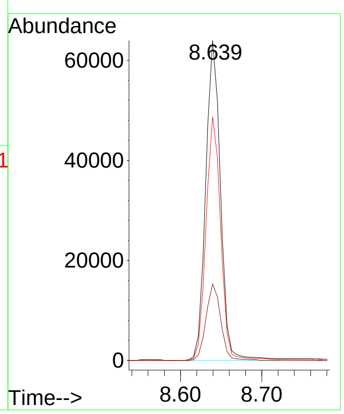




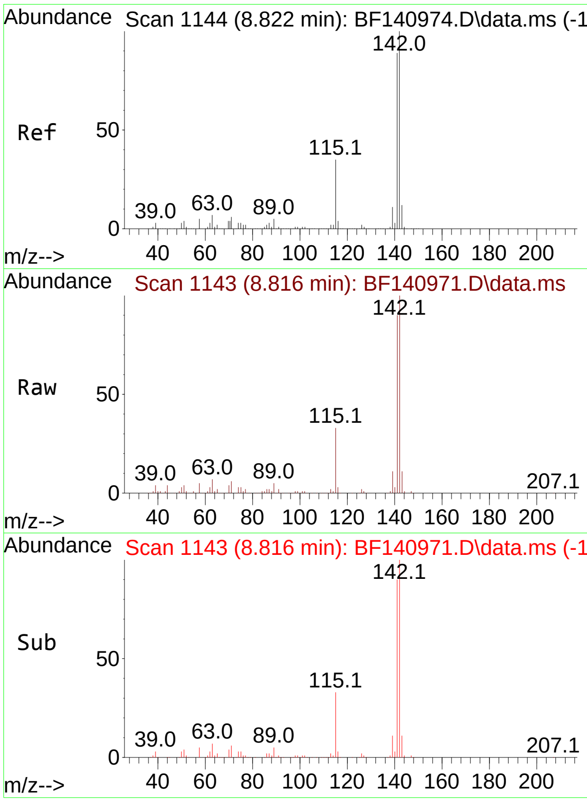
#36
4-Chloro-3-methylphenol
Concen: 5.271 ng
RT: 8.639 min Scan# 1113
Delta R.T. -0.012 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:107 Resp: 80975

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



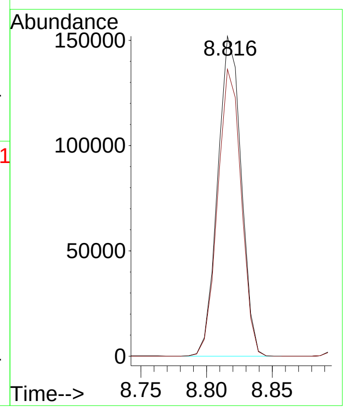
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

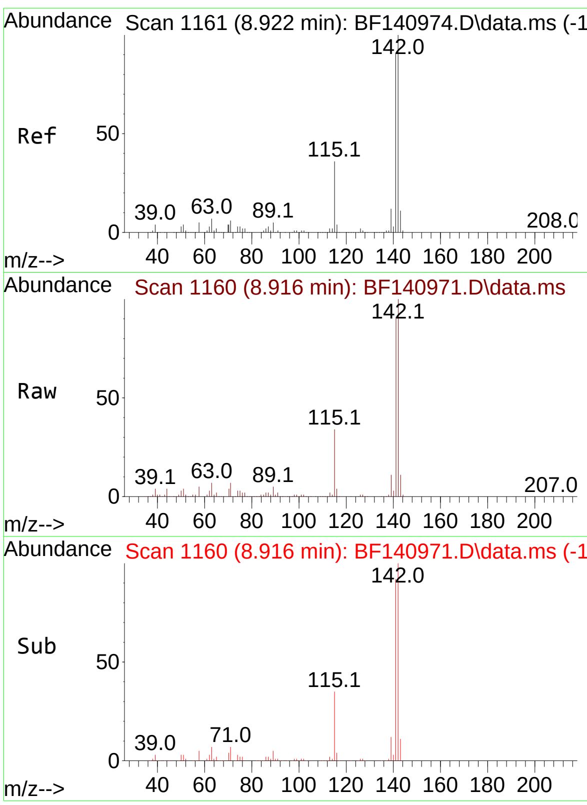


#37
2-Methylnaphthalene
Concen: 5.726 ng
RT: 8.816 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:142 Resp: 189400

Ion	Ratio	Lower	Upper
142	100		
141	89.7	71.1	106.7

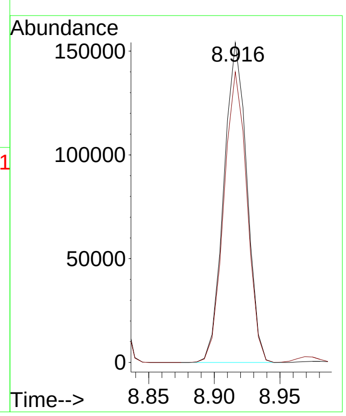




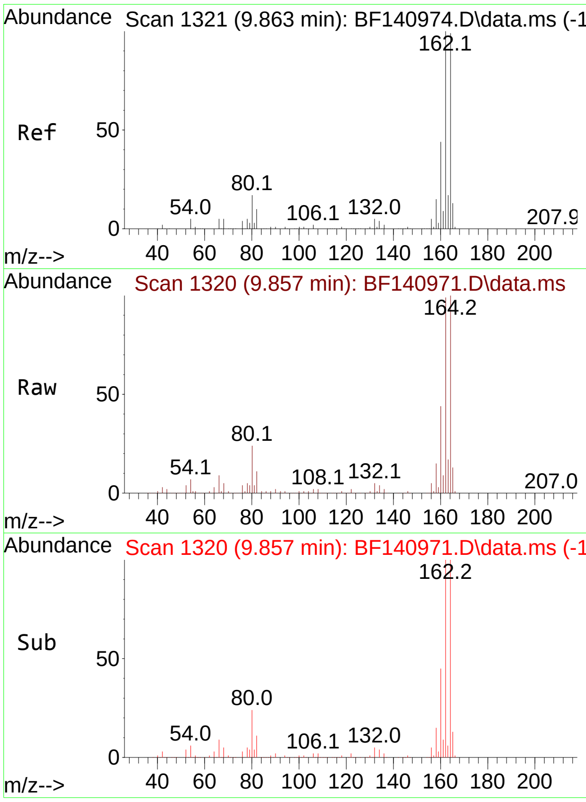
#38
1-Methylnaphthalene
Concen: 5.788 ng
RT: 8.916 min Scan# 1160
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:142 Resp: 188155

Ion	Ratio	Lower	Upper
142	100		
141	90.8	72.7	109.1



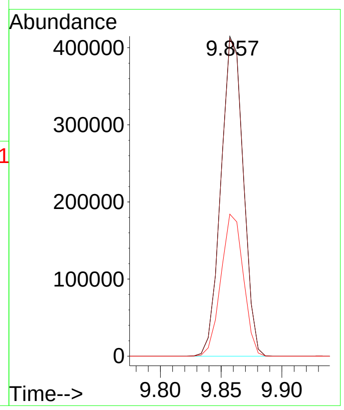
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

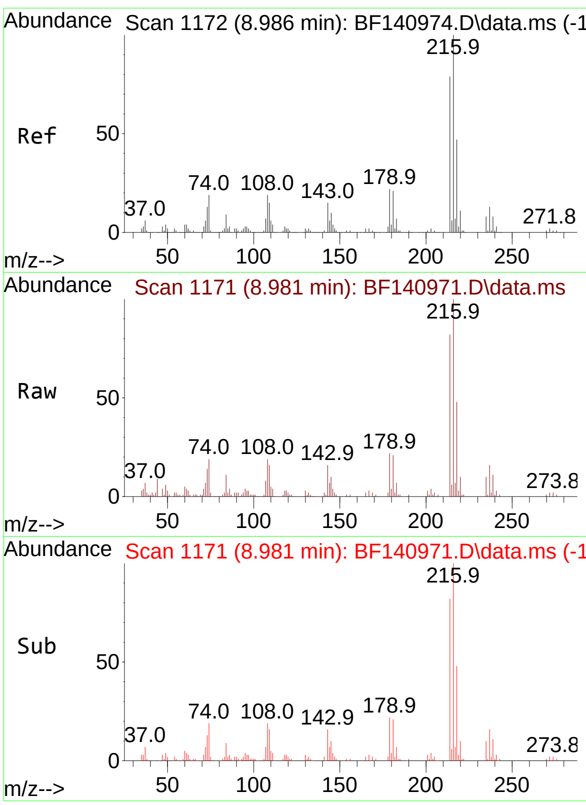


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:164 Resp: 532506

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

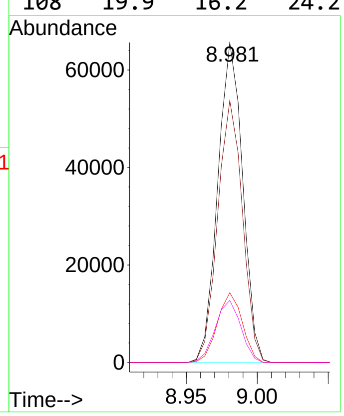




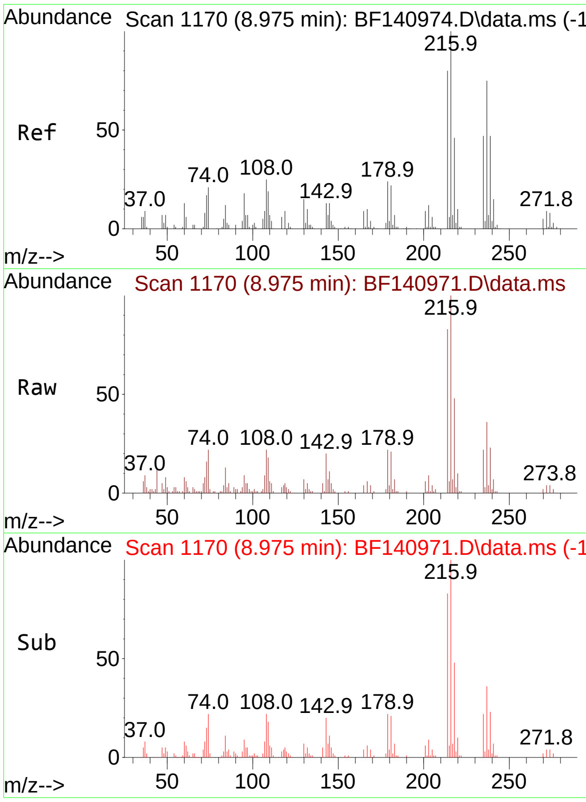
#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.467 ng
RT: 8.981 min Scan# 1171
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:216 Resp: 80086

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



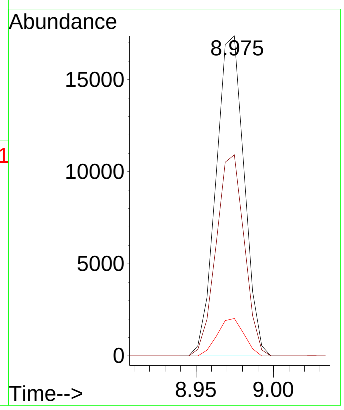
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

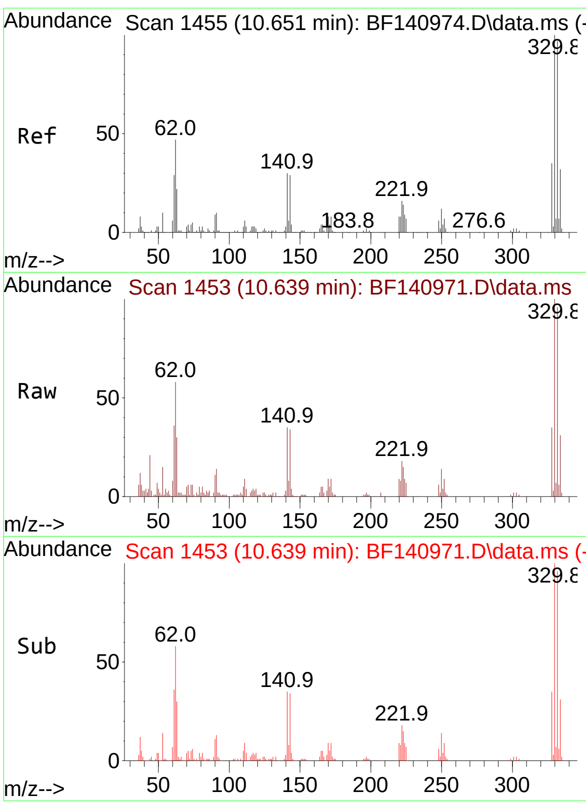


#41
Hexachlorocyclopentadiene
Concen: 4.531 ng
RT: 8.975 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:237 Resp: 21995

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

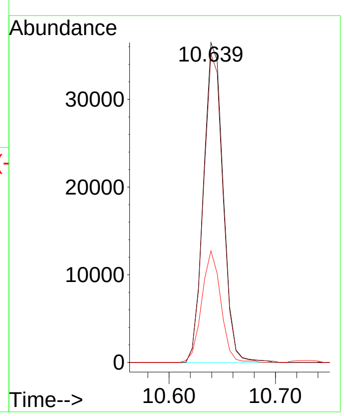




#42
2,4,6-Tribromophenol
Concen: 9.085 ng
RT: 10.639 min Scan# 1453
Delta R.T. -0.012 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

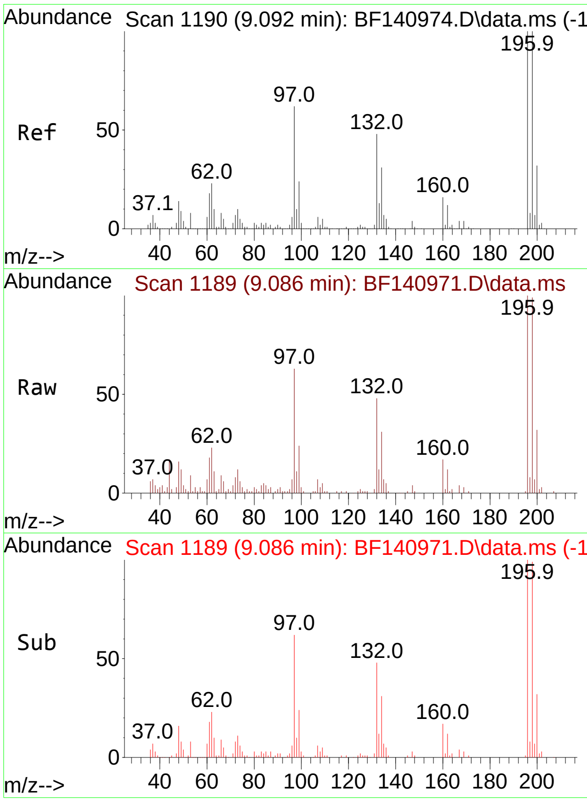
Tgt Ion:330 Resp: 47007

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



ICAL Form

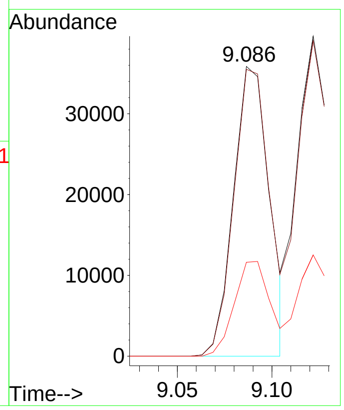
Instrument : BNA_F
ClientSampleId : SSTDICC005

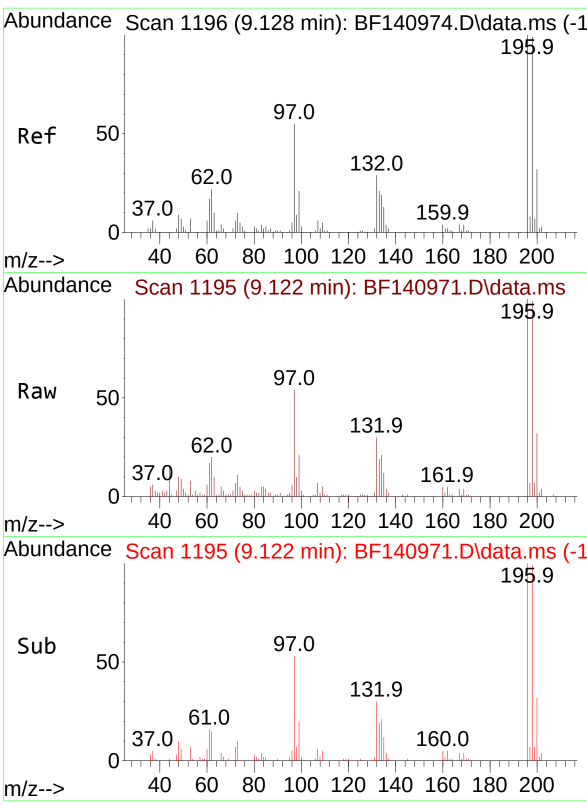


#43
2,4,6-Trichlorophenol
Concen: 4.837 ng
RT: 9.086 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:196 Resp: 47166

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

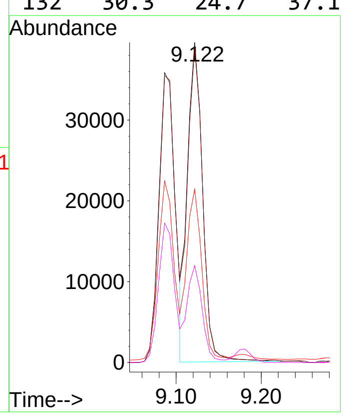




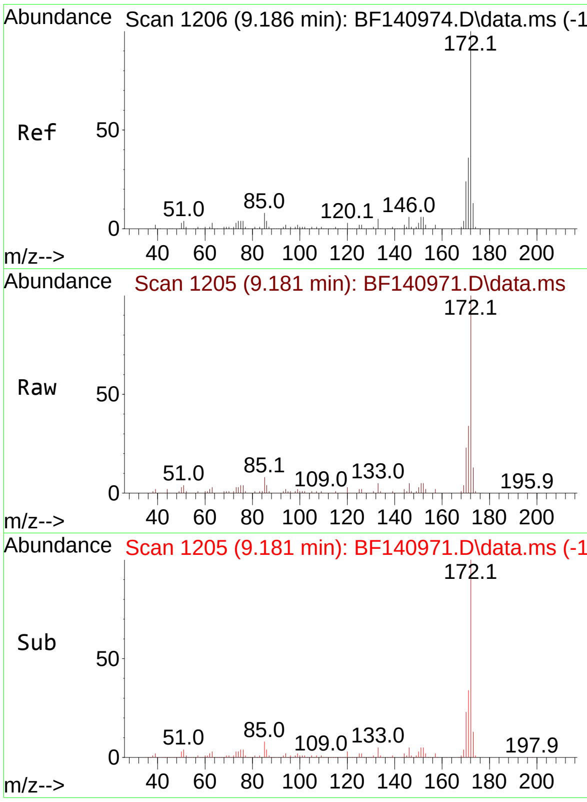
#44
2,4,5-Trichlorophenol
Concen: 4.955 ng
RT: 9.122 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:196 Resp: 49432

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

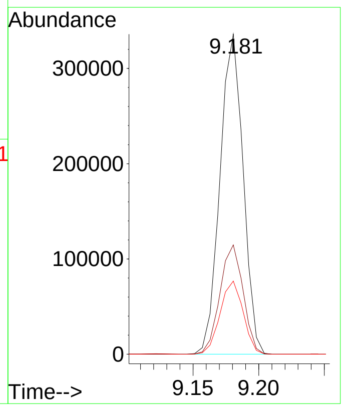


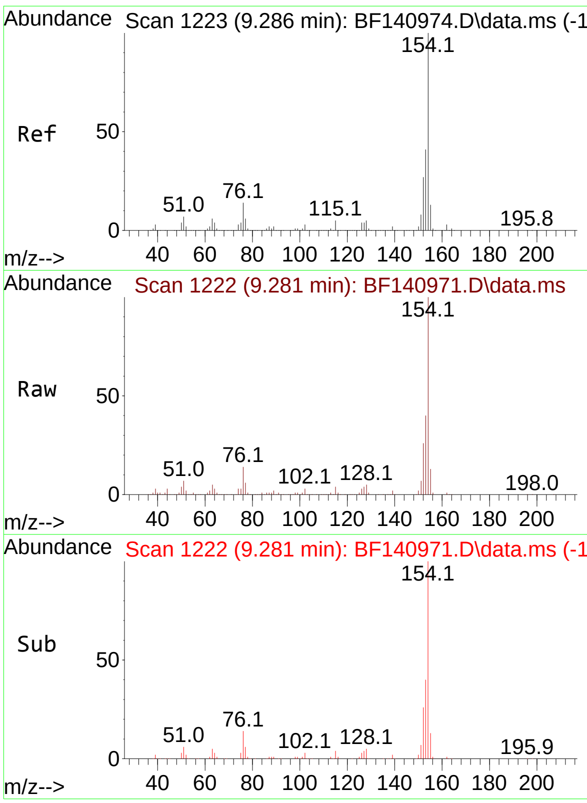
Instrument : BNA_F
ClientSampleId : SSTDICC005




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

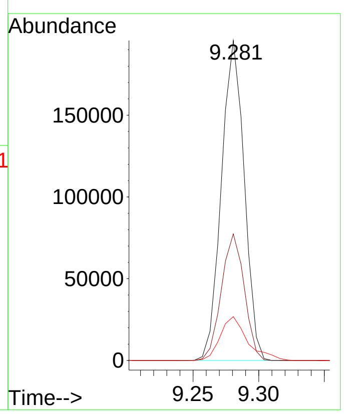
Tgt Ion:172 Resp:  411497
Ion  Ratio  Lower  Upper
172  100
171   34.1   29.0   43.4
170   22.8   19.6   29.4
```



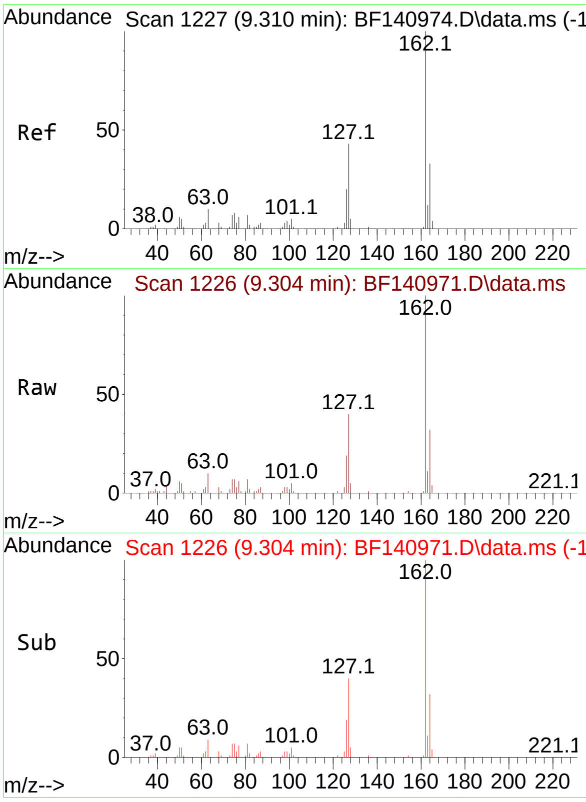



```
#46
1,1'-Biphenyl
Concen:    5.797 ng
RT:   9.281 min  Scan# 1222
Delta R.T.  -0.005 min
Lab File:   BF140971.D
Acq: 26 Dec 2024  16:49

Tgt Ion:154 Resp:  236377
Ion  Ratio  Lower  Upper
154  100
153   39.5   20.9   60.9
 76   13.7    0.0   34.0
```



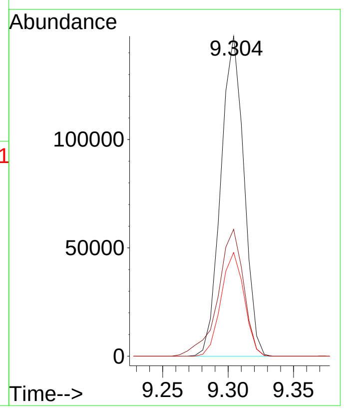
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

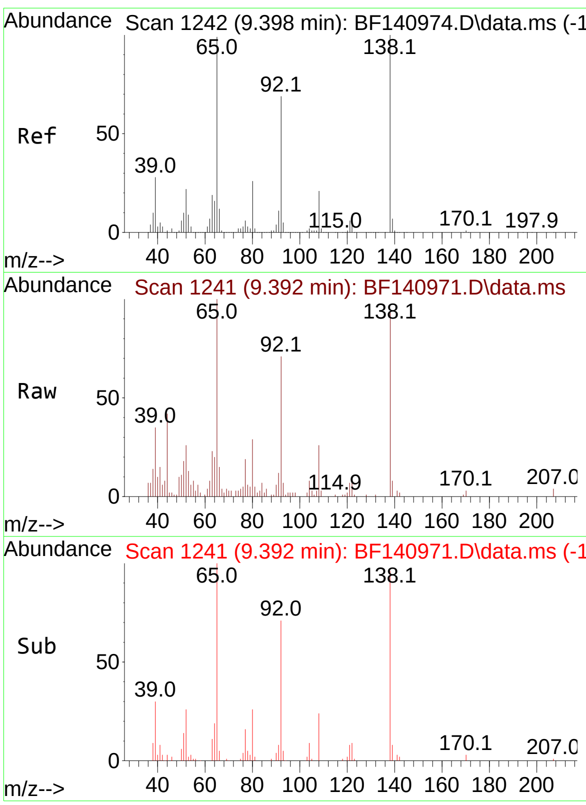


#47
2-Chloronaphthalene
Concen: 5.732 ng
RT: 9.304 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:162 Resp: 181255

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

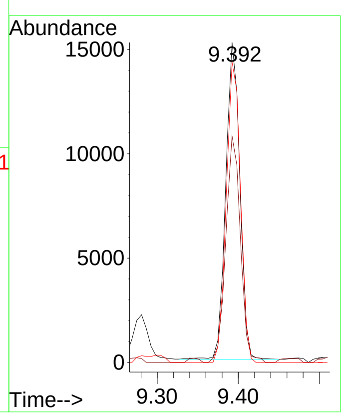




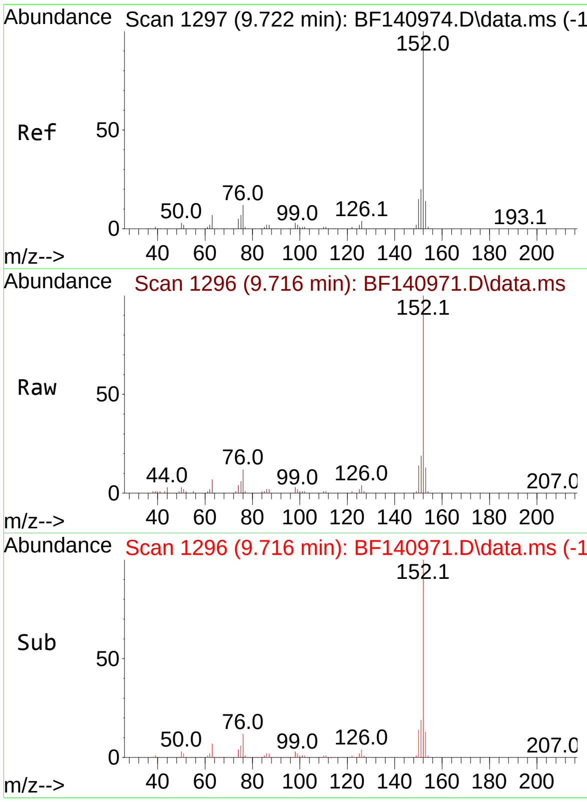
#48
2-Nitroaniline
Concen: 6.658 ng
RT: 9.392 min Scan# 1241
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion: 65 Resp: 18450

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



ICAL Form



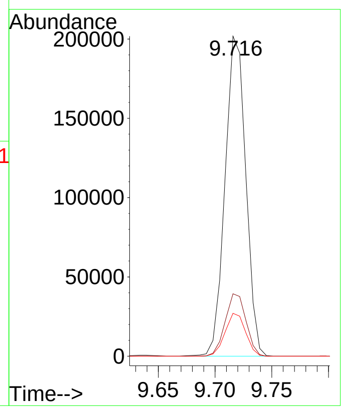
#49
Acenaphthylene
Concen: 5.656 ng
RT: 9.716 min Scan# 1

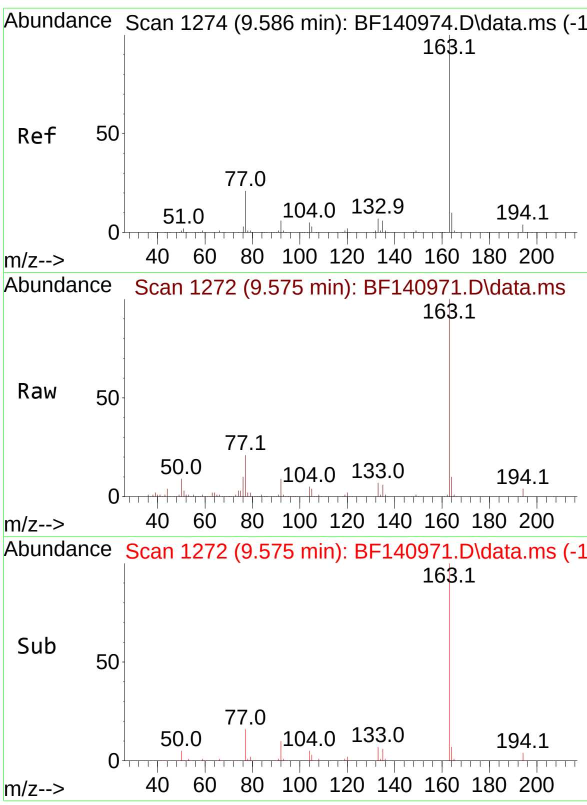
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:152 Resp: 257474

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

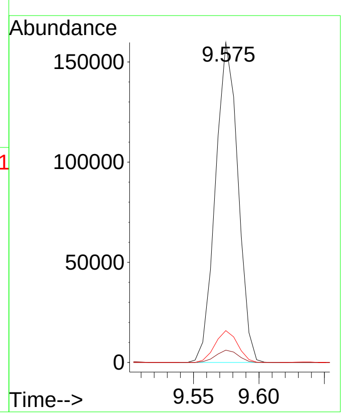




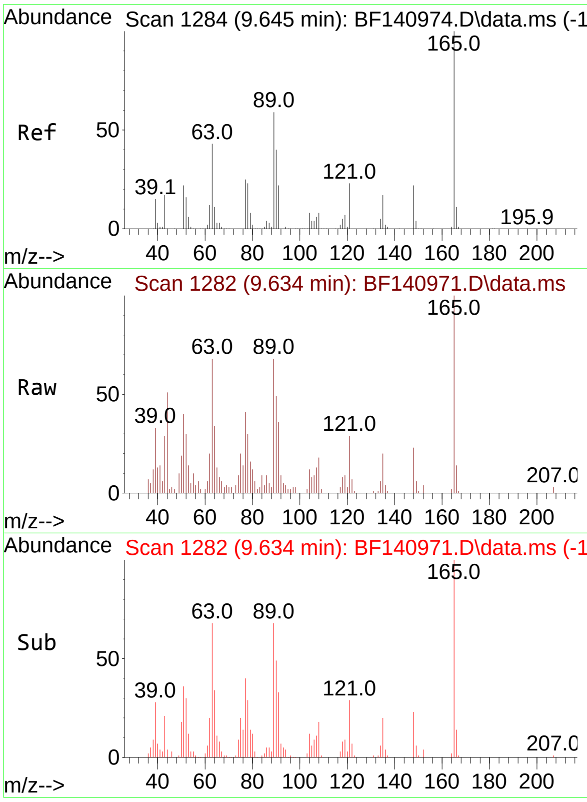
#50
Dimethylphthalate
Concen: 5.465 ng
RT: 9.575 min Scan# 1272
Delta R.T. -0.011 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:163 Resp: 191408

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



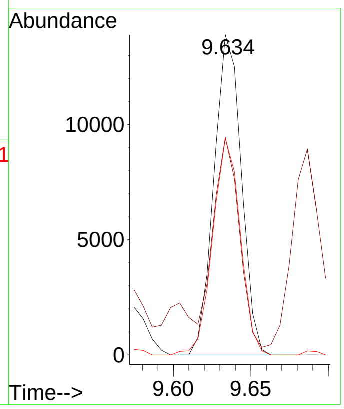
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

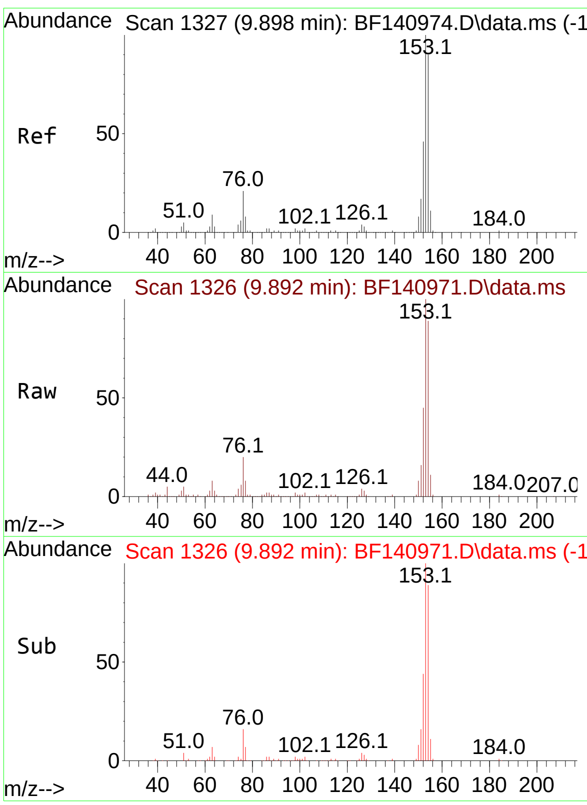


#51
2,6-Dinitrotoluene
Concen: 5.865 ng
RT: 9.634 min Scan# 1
Delta R.T. -0.011 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:165 Resp: 17091

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

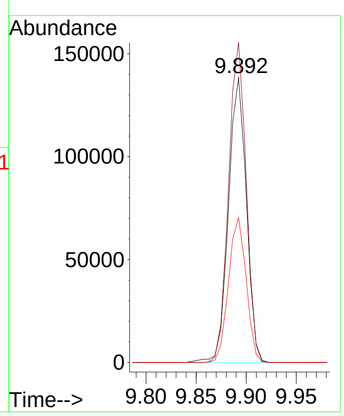




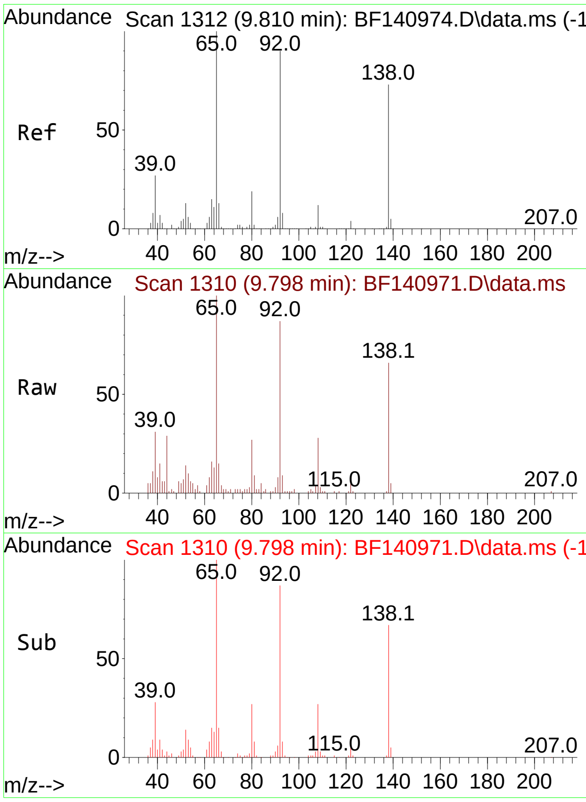
#52
Acenaphthene
Concen: 5.576 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:154 Resp: 171603

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



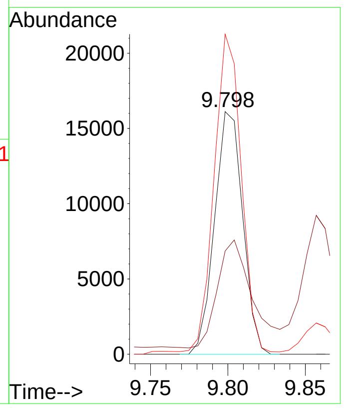
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

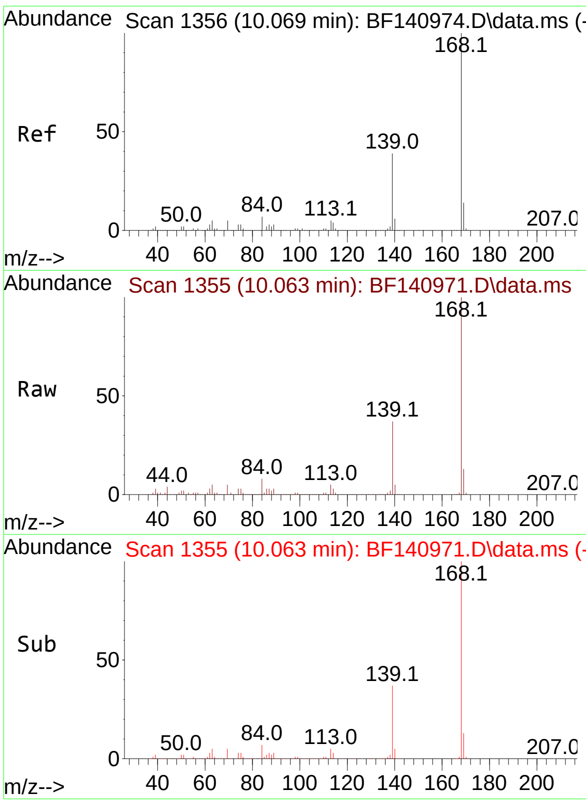


#53
3-Nitroaniline
Concen: 5.713 ng
RT: 9.798 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:138 Resp: 20408

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

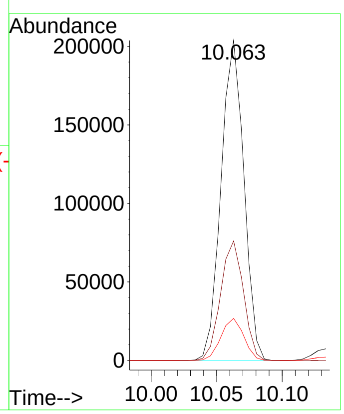




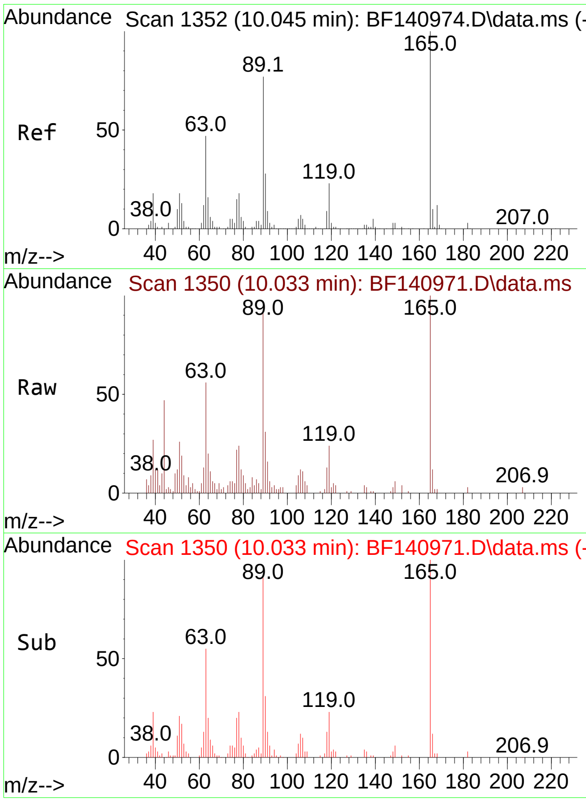
#55
Dibenzofuran
Concen: 5.715 ng
RT: 10.063 min Scan# 1355
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:168 Resp: 247167

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



ICAL Form

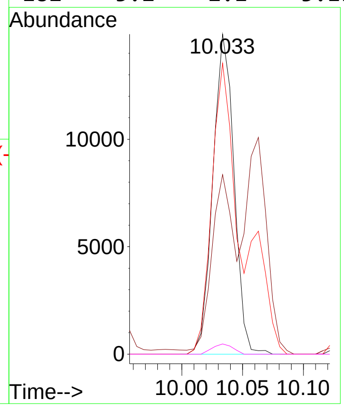


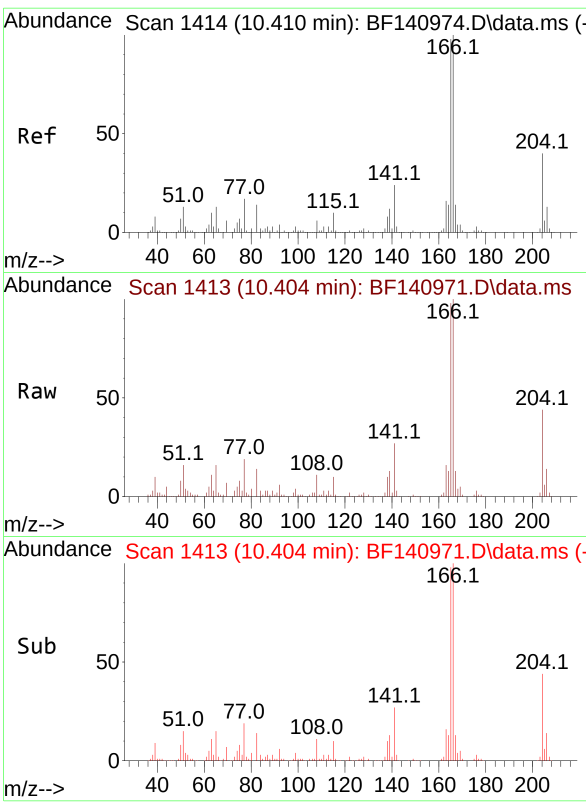
#57
2,4-Dinitrotoluene
Concen: 6.371 ng
RT: 10.033 min Scan# 1
Delta R.T. -0.012 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:165 Resp: 18052

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

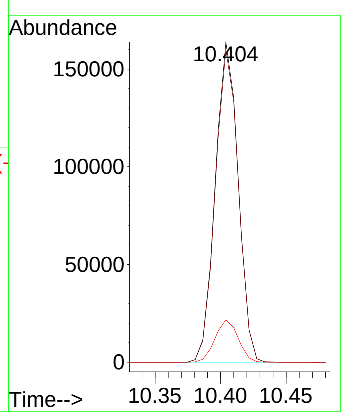




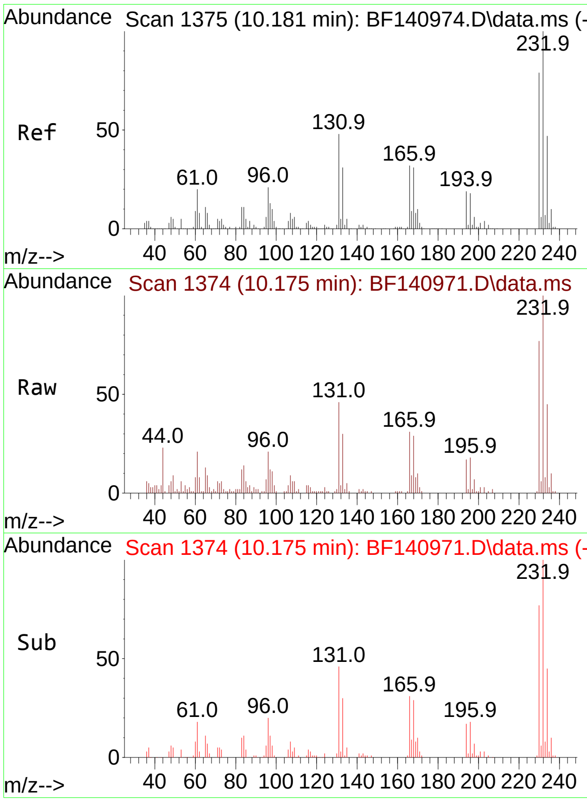
#58
Fluorene
Concen: 5.943 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:166 Resp: 199322

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



ICAL Form



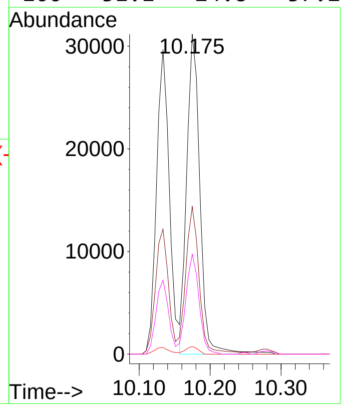
#59
2,3,4,6-Tetrachlorophenol
Concen: 4.882 ng
RT: 10.175 min Scan# 1

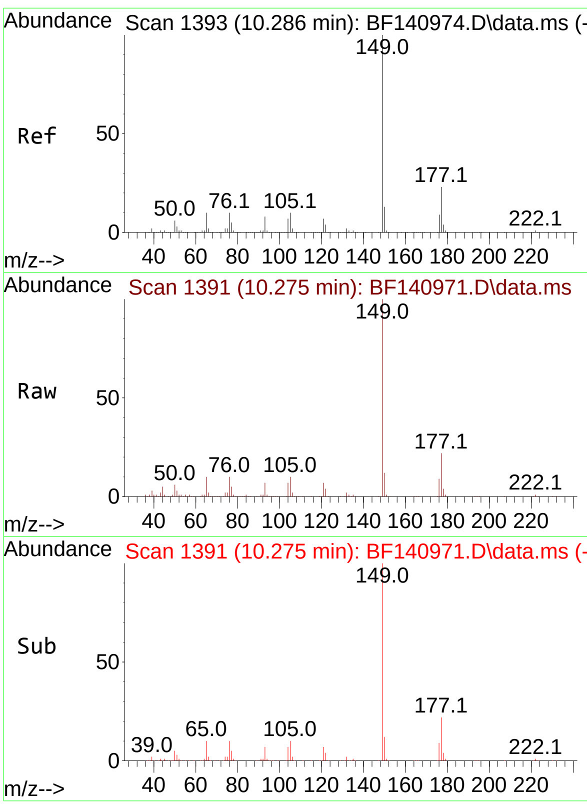
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:232 Resp: 40337

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

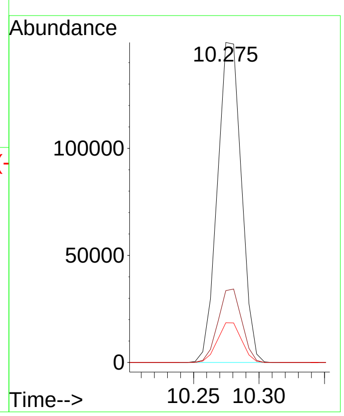




#60
Diethylphthalate
Concen: 5.518 ng
RT: 10.275 min Scan# 1391
Delta R.T. -0.012 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

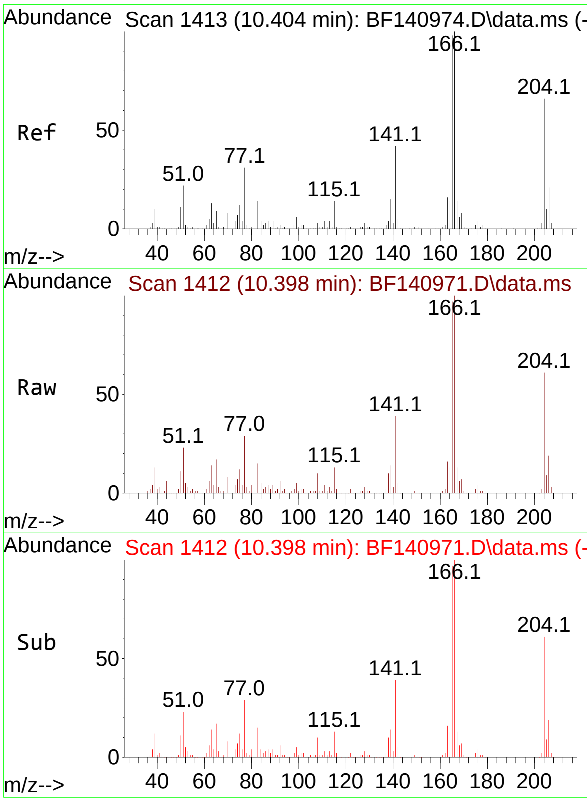
Tgt Ion:149 Resp: 190810

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



ICAL Form

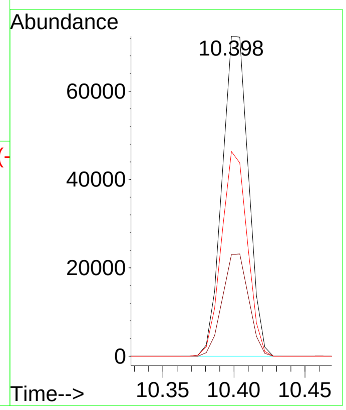
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

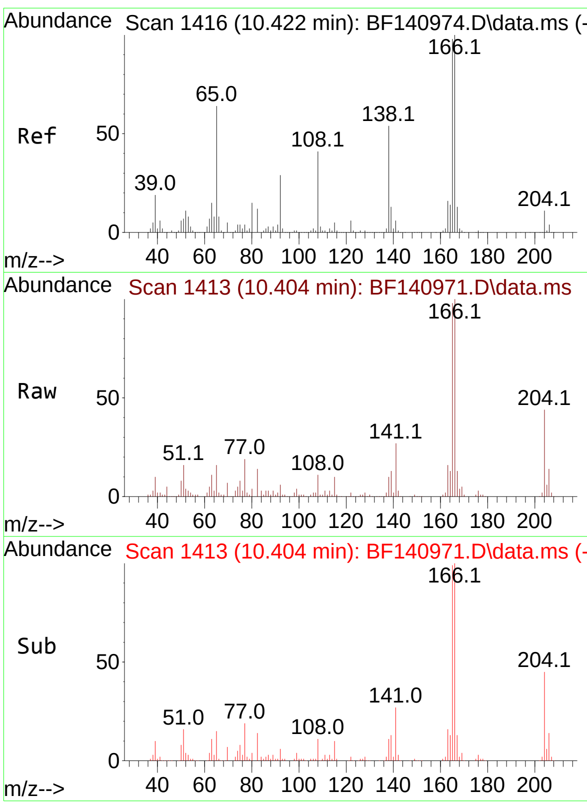


#61
4-Chlorophenyl-phenylether
Concen: 5.773 ng
RT: 10.398 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:204 Resp: 93161

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

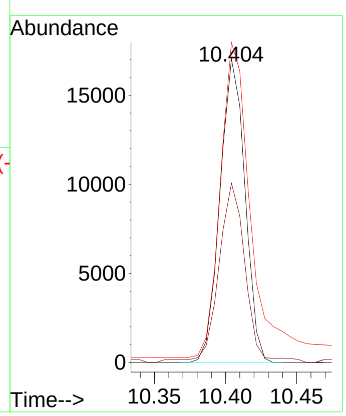




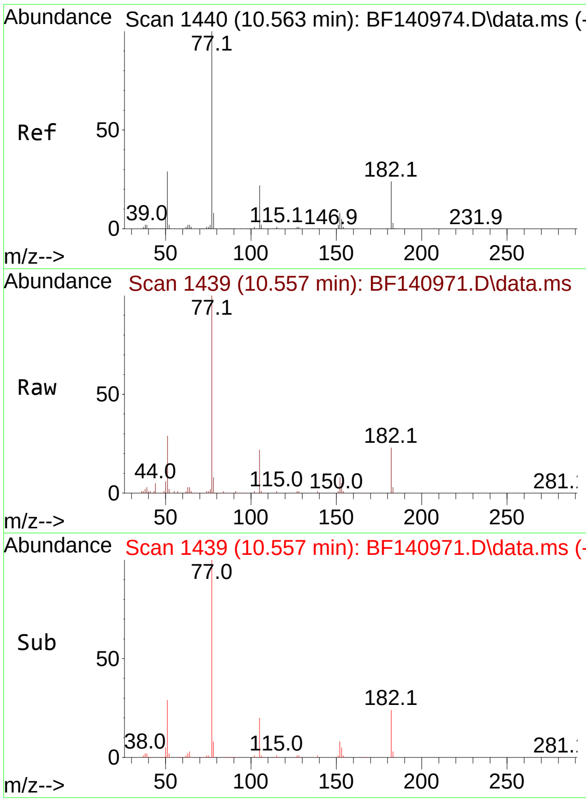
#62
4-Nitroaniline
Concen: 5.839 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.018 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:138 Resp: 20793

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



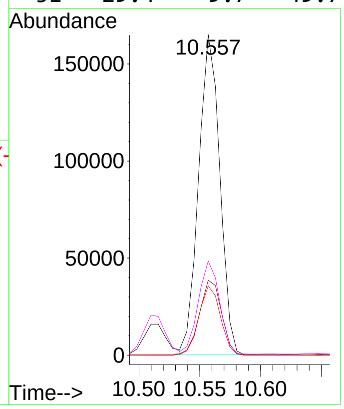
Instrument : BNA_F
ClientSampleId : SSTDICC005

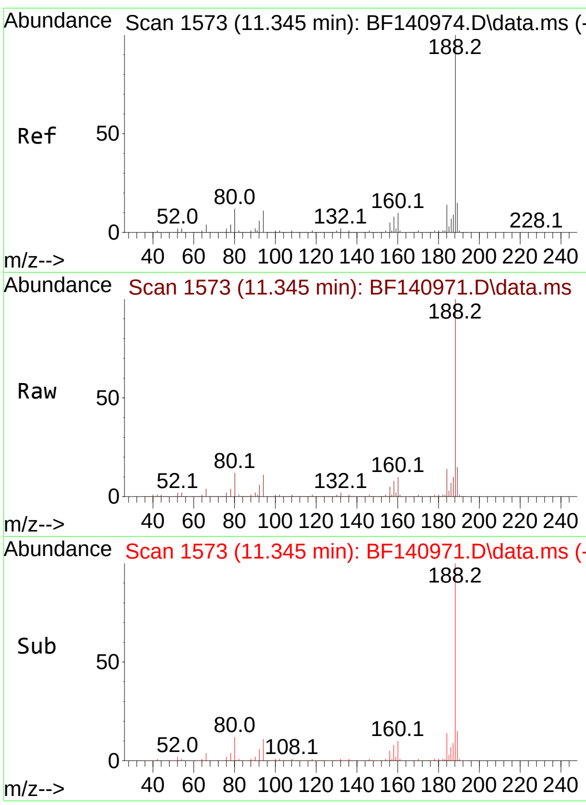


#63
Azobenzene
Concen: 5.508 ng
RT: 10.557 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion: 77 Resp: 199905

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

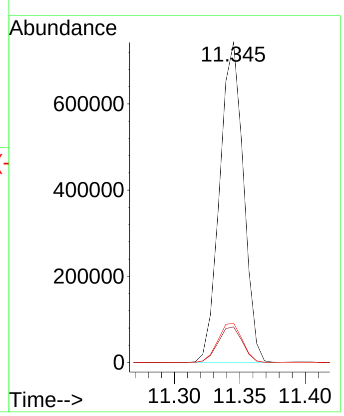




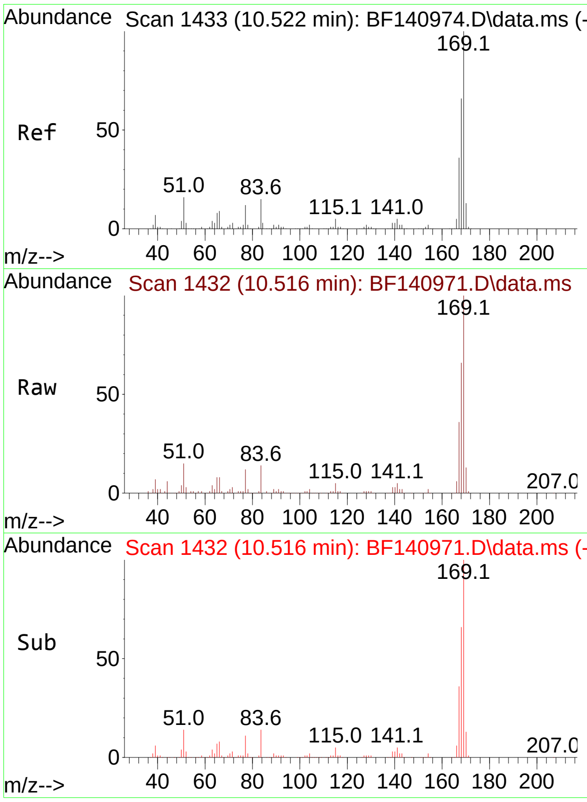
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:188 Resp: 938555

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



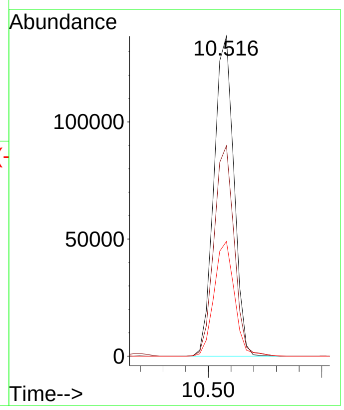
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

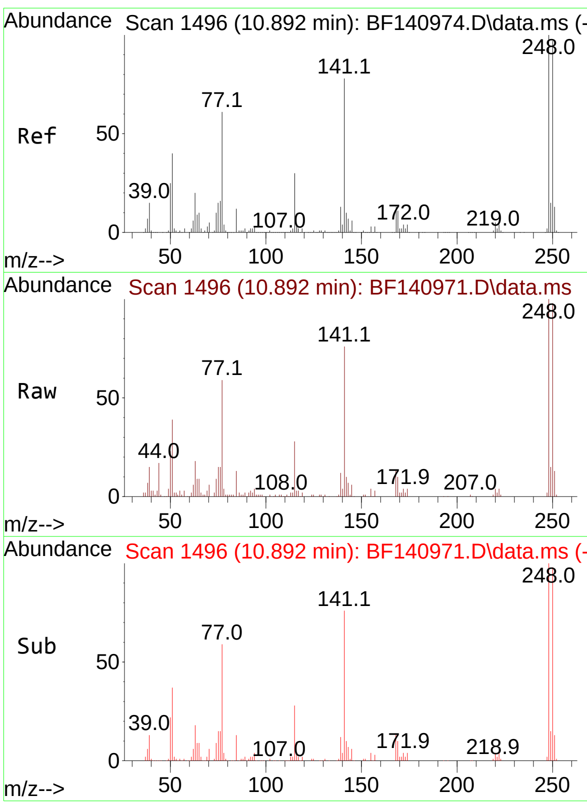


#66
n-Nitrosodiphenylamine
Concen: 5.654 ng
RT: 10.516 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:169 Resp: 167108

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

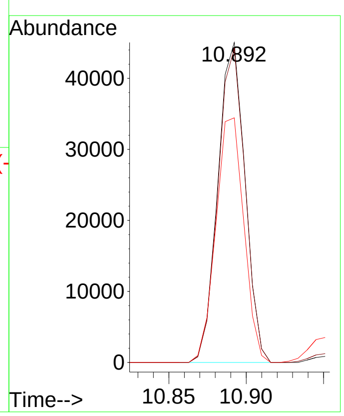




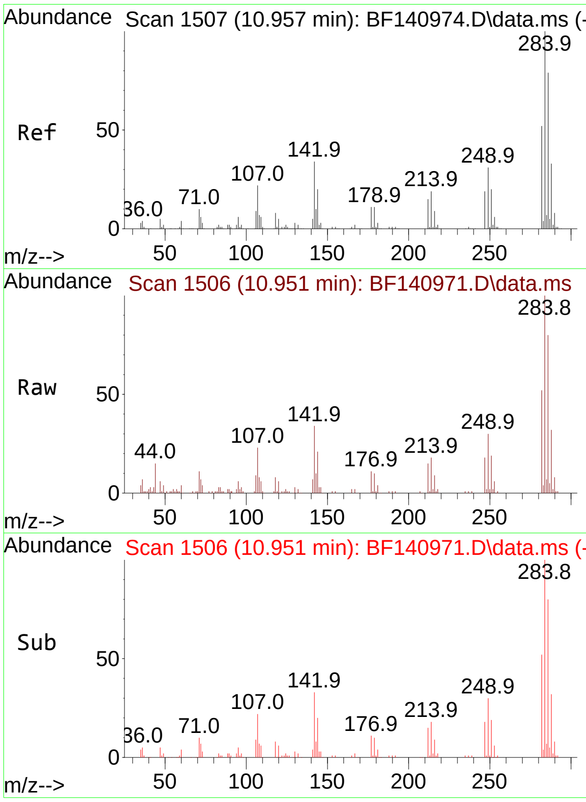
#67
4-Bromophenyl-phenylether
Concen: 5.442 ng
RT: 10.892 min Scan# 1496
Delta R.T. 0.000 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:248 Resp: 55213

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



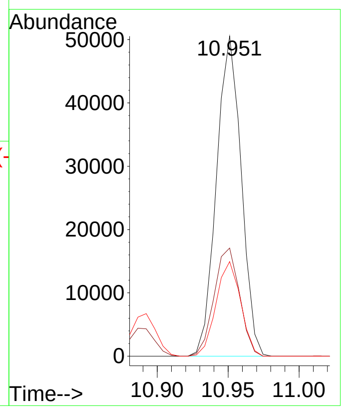
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

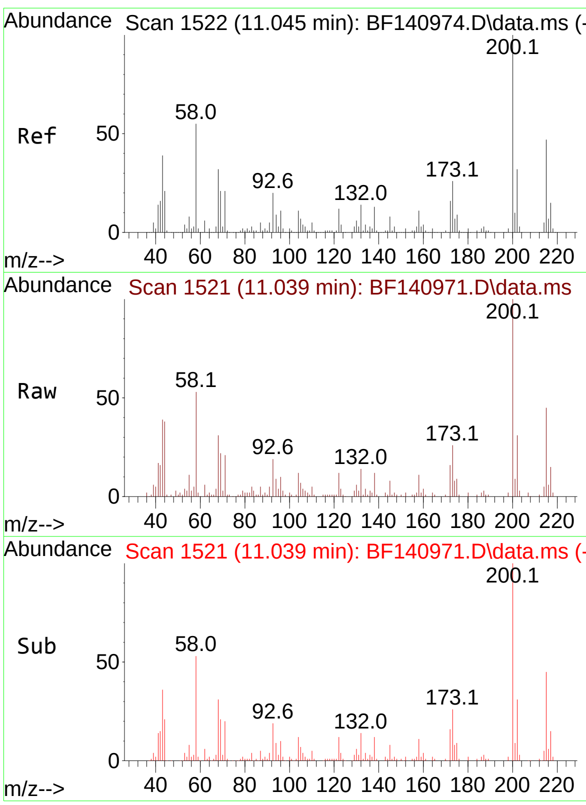


#68
Hexachlorobenzene
Concen: 5.483 ng
RT: 10.951 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:284 Resp: 61339

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

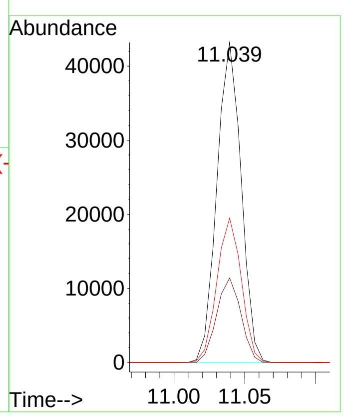




#69
Atrazine
Concen: 6.209 ng
RT: 11.039 min Scan# 1521
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

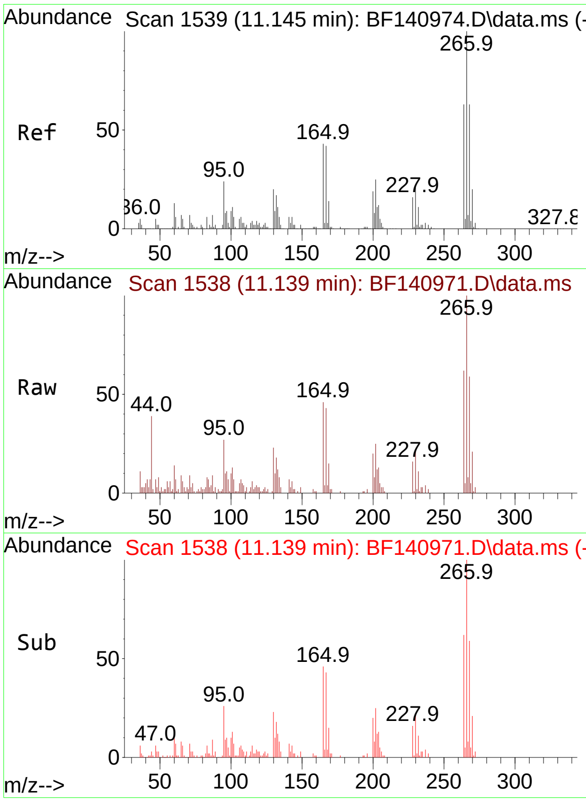
Tgt Ion:200 Resp: 51263

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



ICAL Form

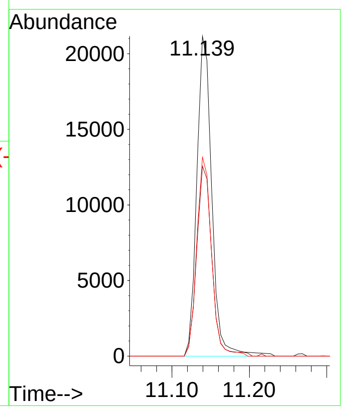
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

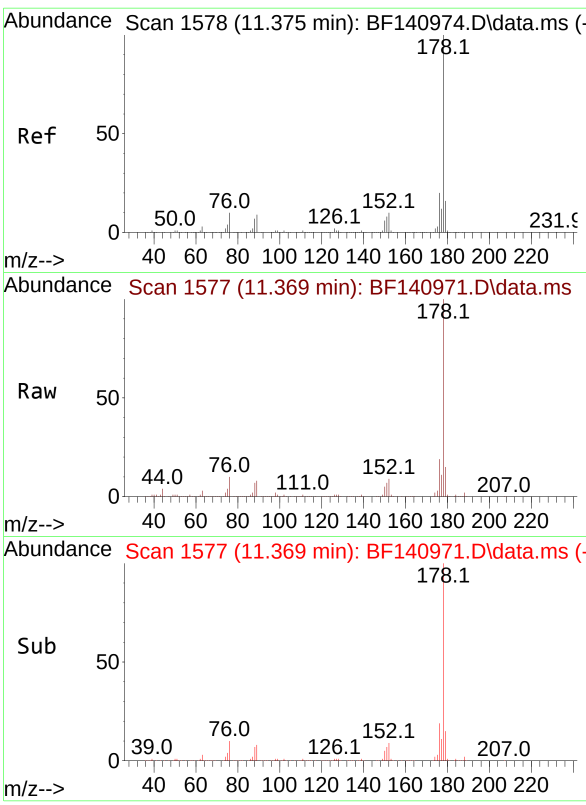


#70
Pentachlorophenol
Concen: 4.096 ng
RT: 11.139 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:266 Resp: 28530

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

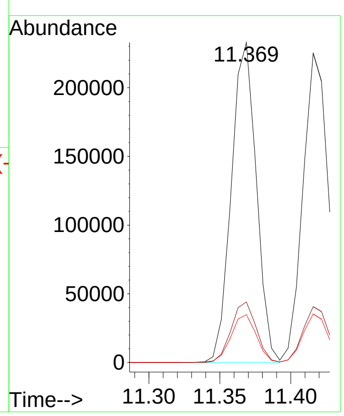




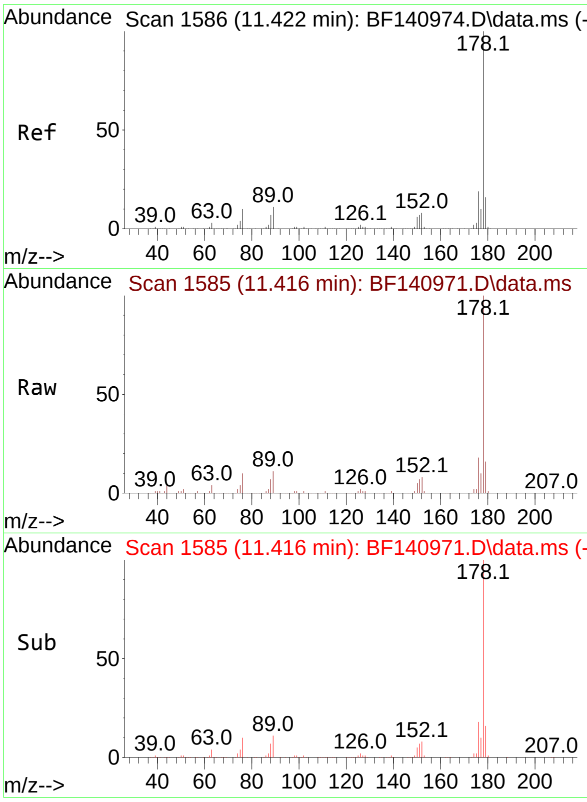
#71
Phenanthrene
Concen: 5.799 ng
RT: 11.369 min Scan# 1577
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:178 Resp: 286441

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



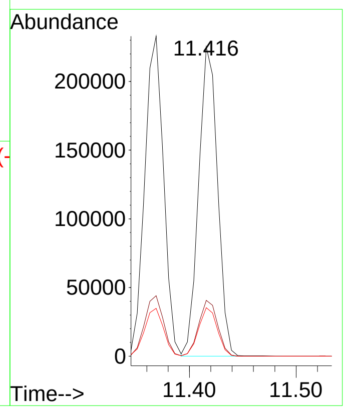
Instrument : BNA_F
ClientSampleId : SSTDICC005

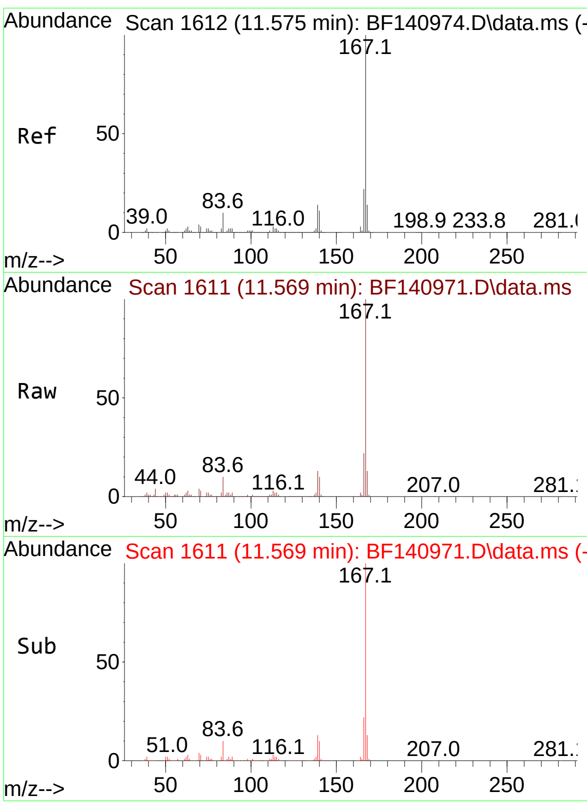


#72
Anthracene
Concen: 5.756 ng
RT: 11.416 min Scan# 1!
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:178 Resp: 278610

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

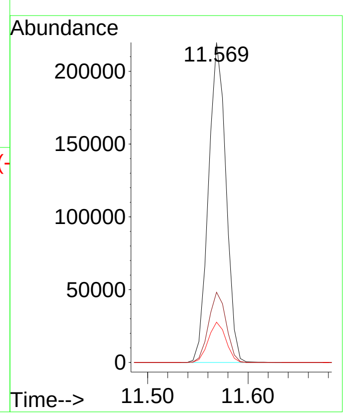




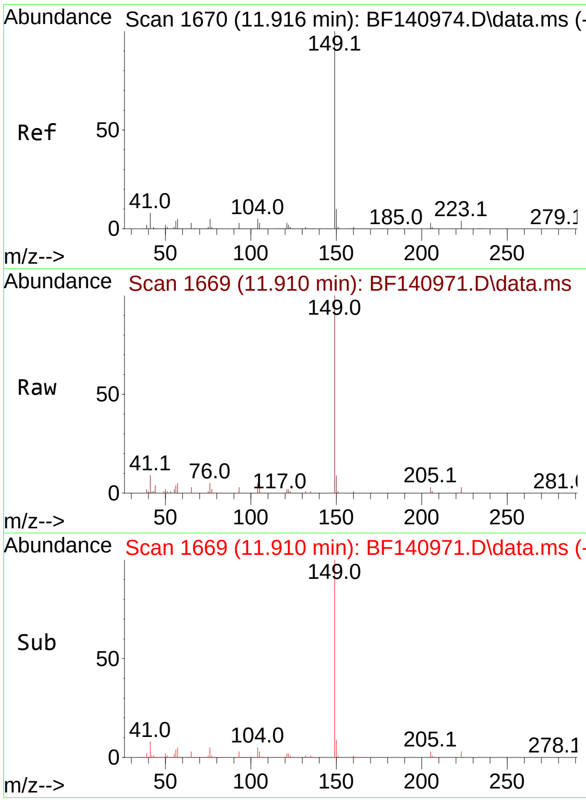
#73
Carbazole
Concen: 5.740 ng
RT: 11.569 min Scan# 1611
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:167 Resp: 267065

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



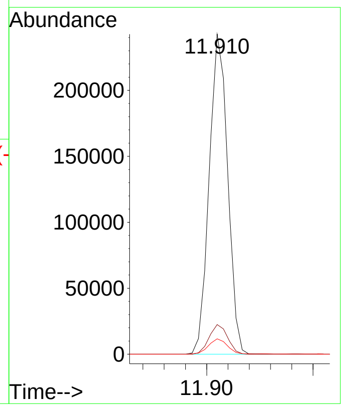
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

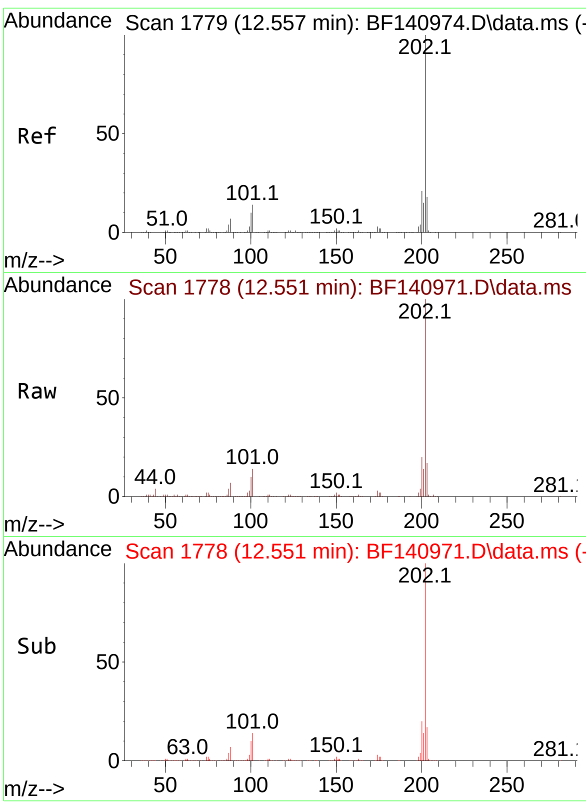


#74
Di-n-butylphthalate
Concen: 5.532 ng
RT: 11.910 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:149 Resp: 292755

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

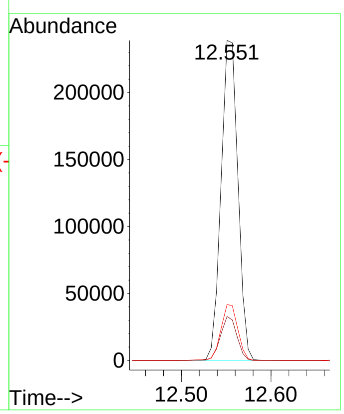




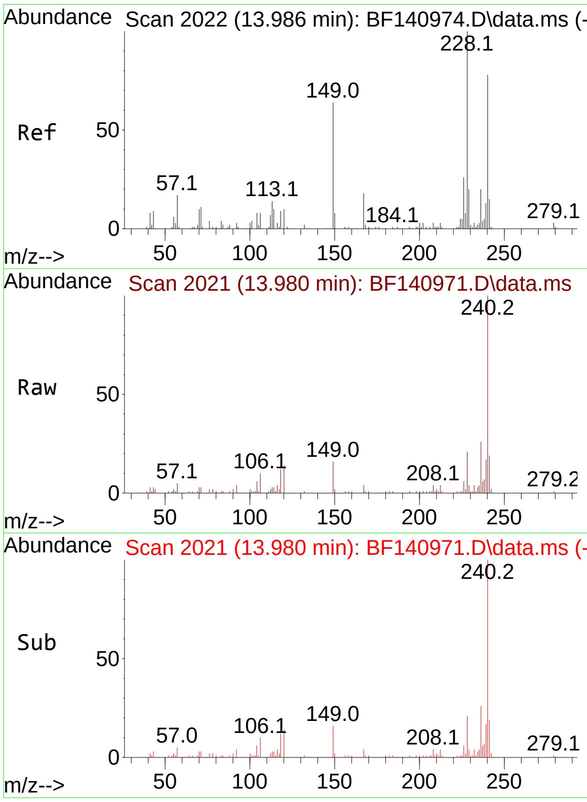
#75
Fluoranthene
Concen: 5.836 ng
RT: 12.551 min Scan# 1778
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:202 Resp: 312668

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



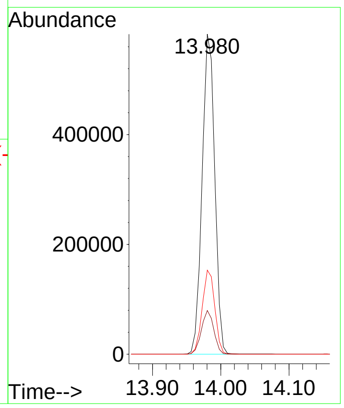
Instrument : BNA_F
ClientSampleId : SSTDICC005

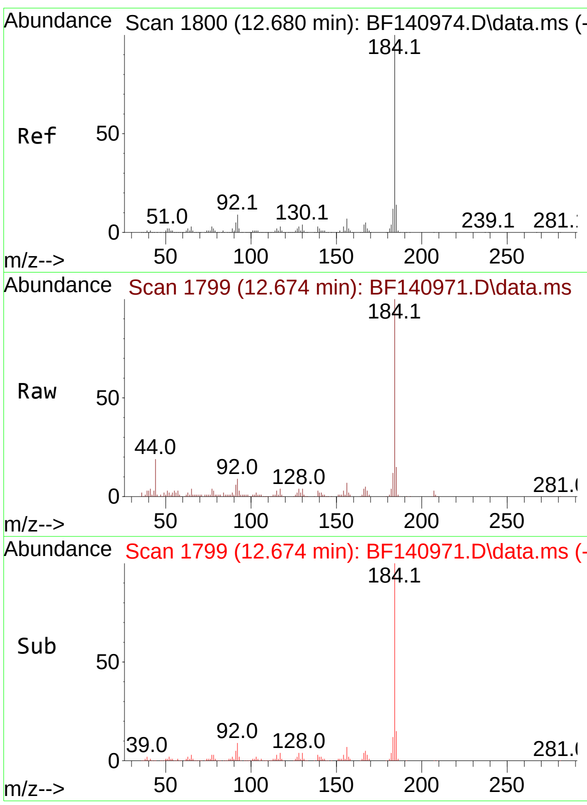


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:240 Resp: 749775

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

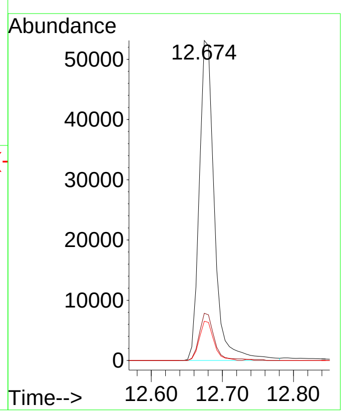




#77
Benzidine
Concen: 4.990 ng
RT: 12.674 min Scan# 1799
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:184 Resp: 79065

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



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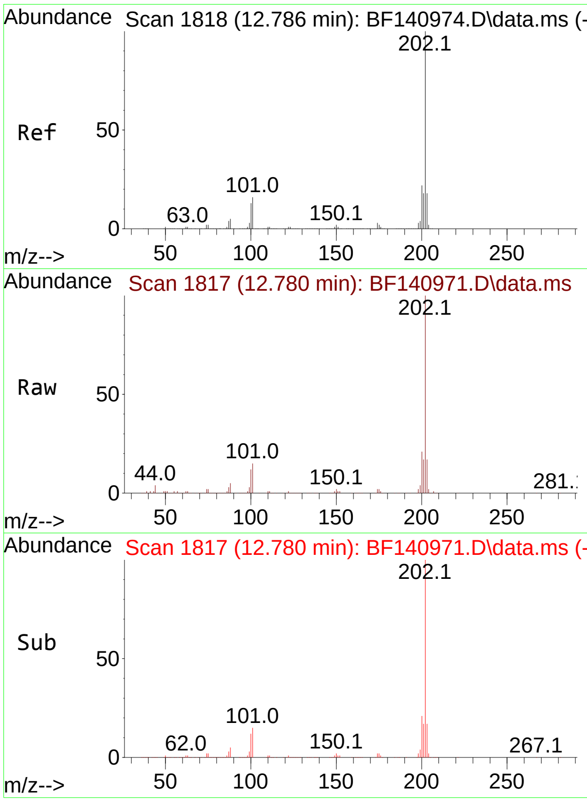
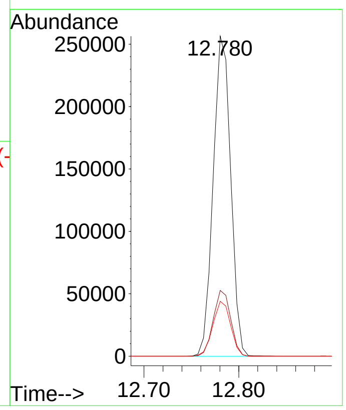


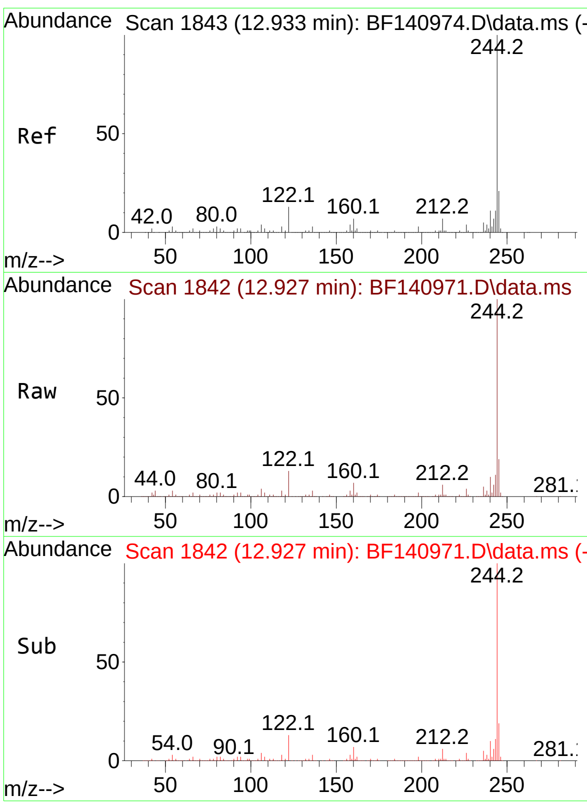
#78
Pyrene
Concen: 5.014 ng
RT: 12.780 min Scan# 18
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:202 Resp: 328787

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

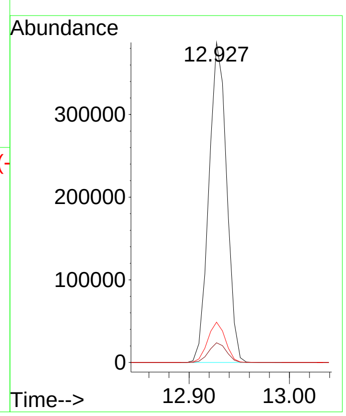




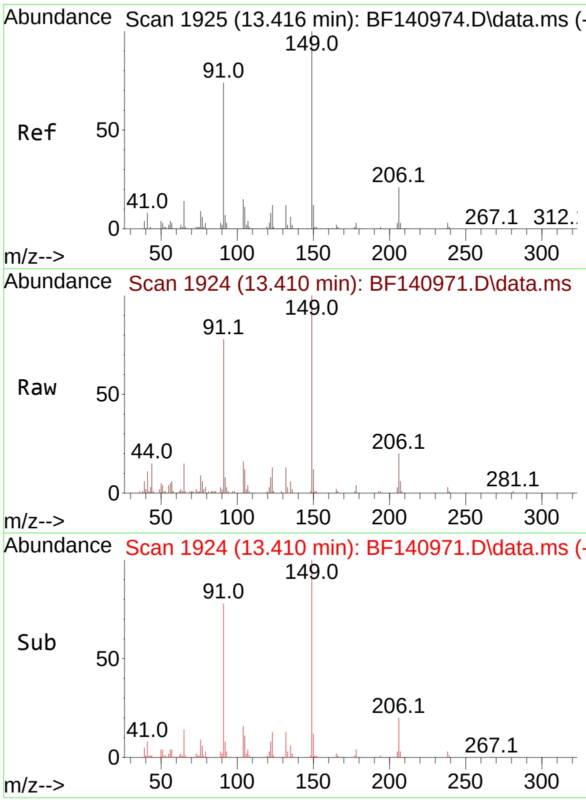
#79
Terphenyl-d14
Concen: 10.588 ng
RT: 12.927 min Scan# 1842
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:244 Resp: 477948

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



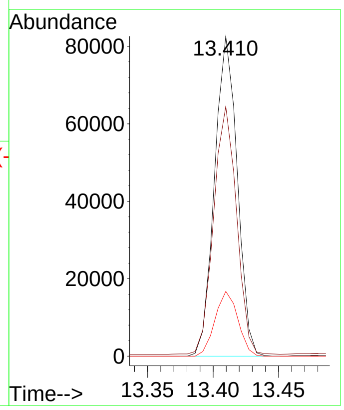
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

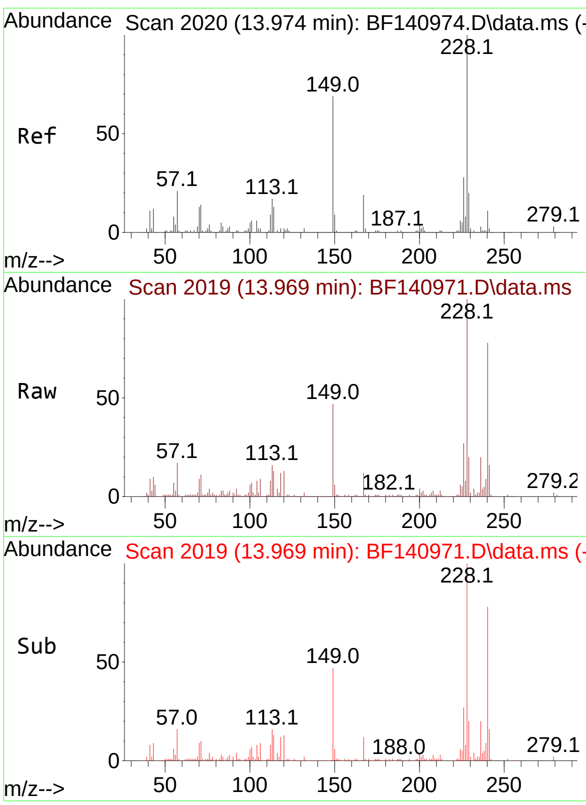


#80
Butylbenzylphthalate
Concen: 4.162 ng
RT: 13.410 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:149 Resp: 99667

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

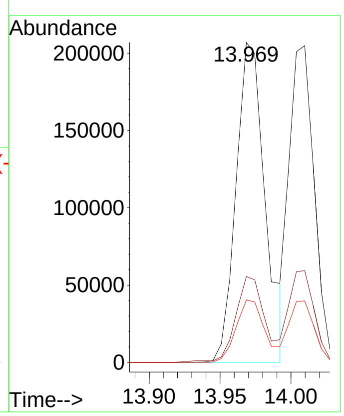




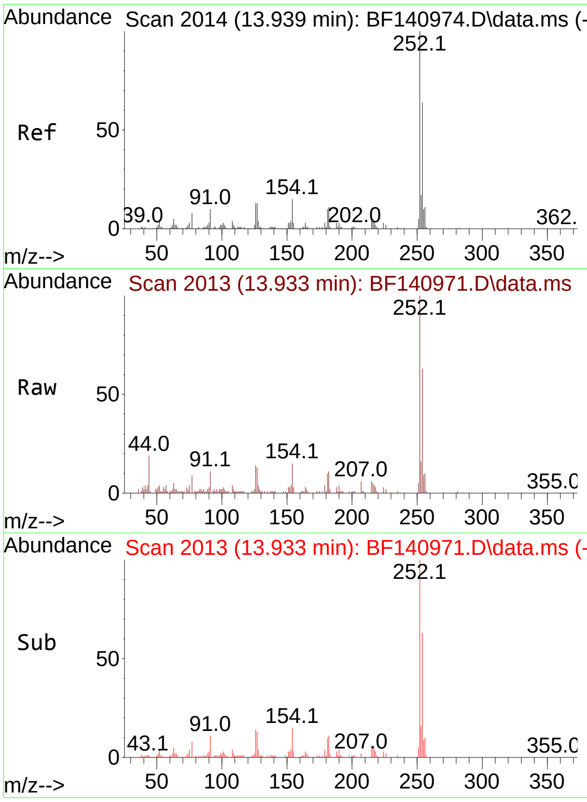
#81
Benzo(a)anthracene
Concen: 5.641 ng
RT: 13.969 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:228 Resp: 294772

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



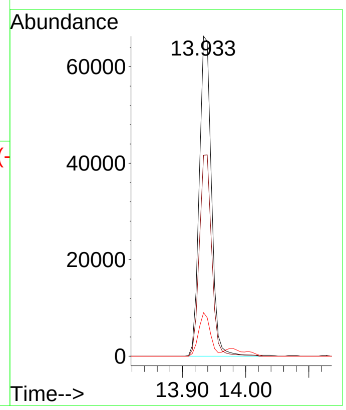
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

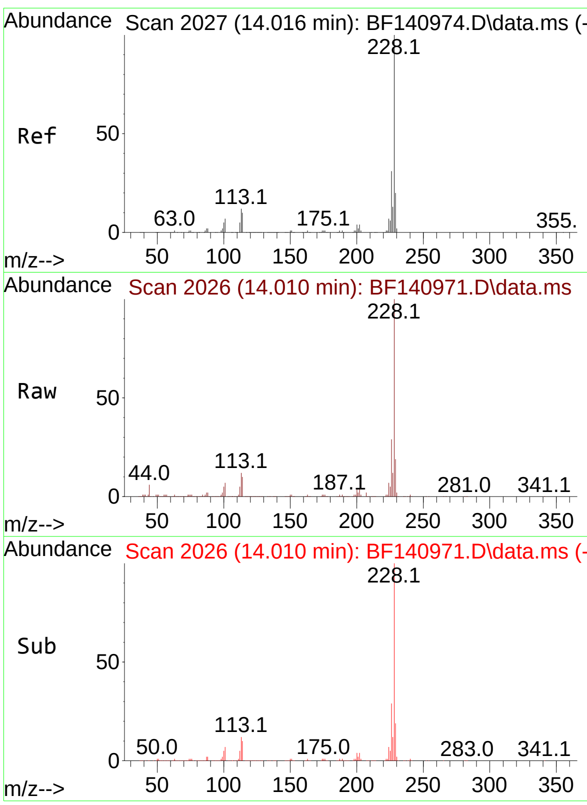


#82
3,3'-Dichlorobenzidine
Concen: 5.658 ng
RT: 13.933 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:252 Resp: 88822

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

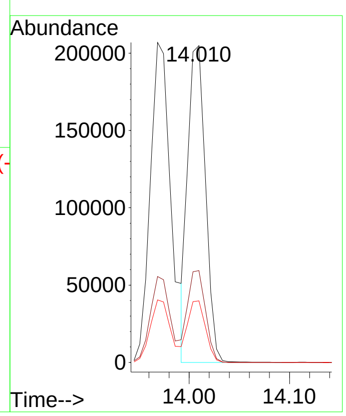




#83
Chrysene
Concen: 5.335 ng
RT: 14.010 min Scan# 2026
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

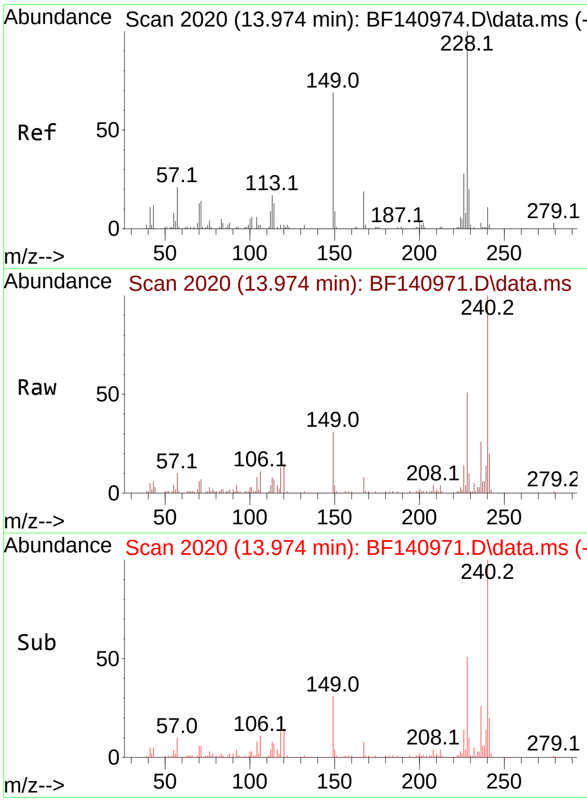
Tgt Ion:228 Resp: 251288

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



ICAL Form

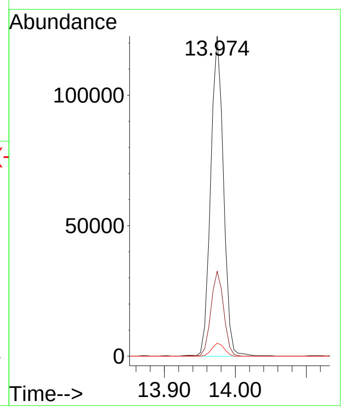
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

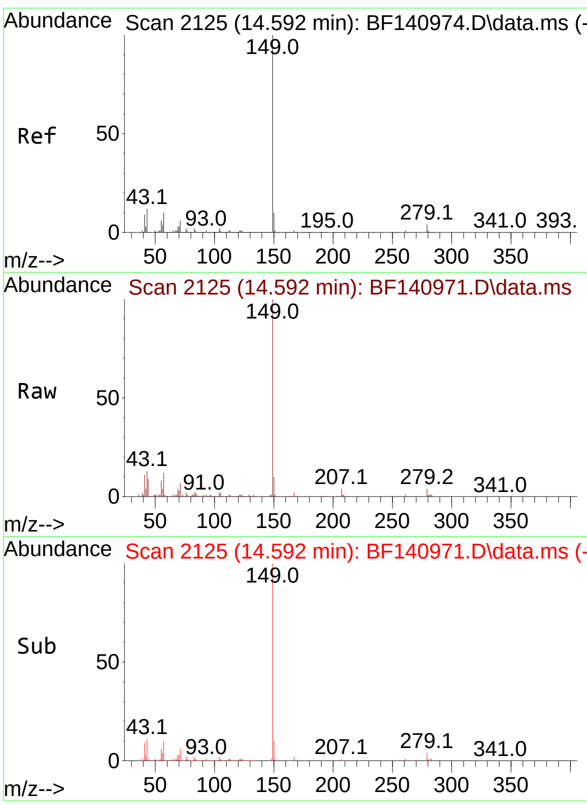


#84
Bis(2-ethylhexyl)phthalate
Concen: 4.960 ng
RT: 13.974 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:149 Resp: 154045

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

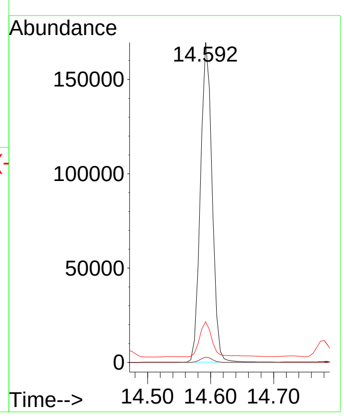




#85
Di-n-octyl phthalate
Concen: 4.825 ng
RT: 14.592 min Scan# 2125
Delta R.T. 0.000 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

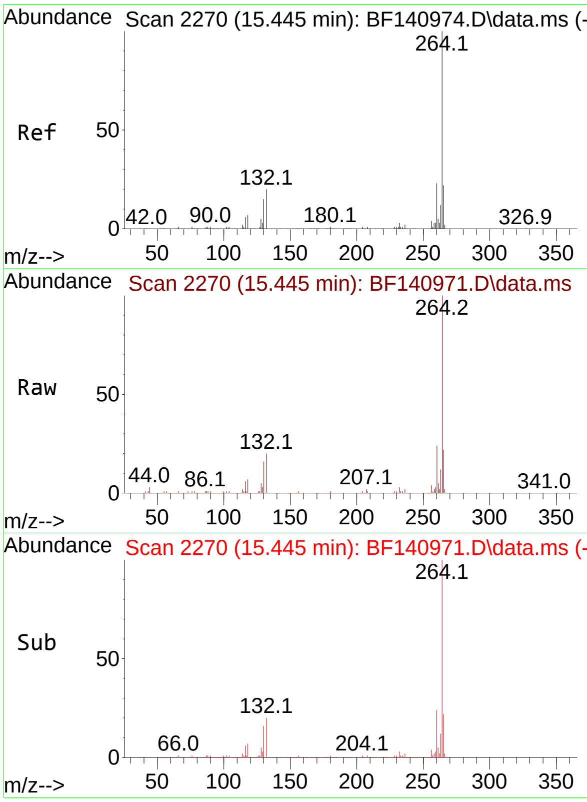
Tgt Ion:149 Resp: 216905

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



ICAL Form

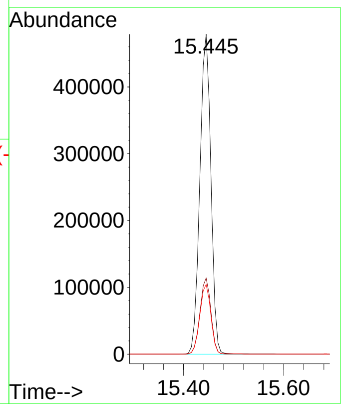
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

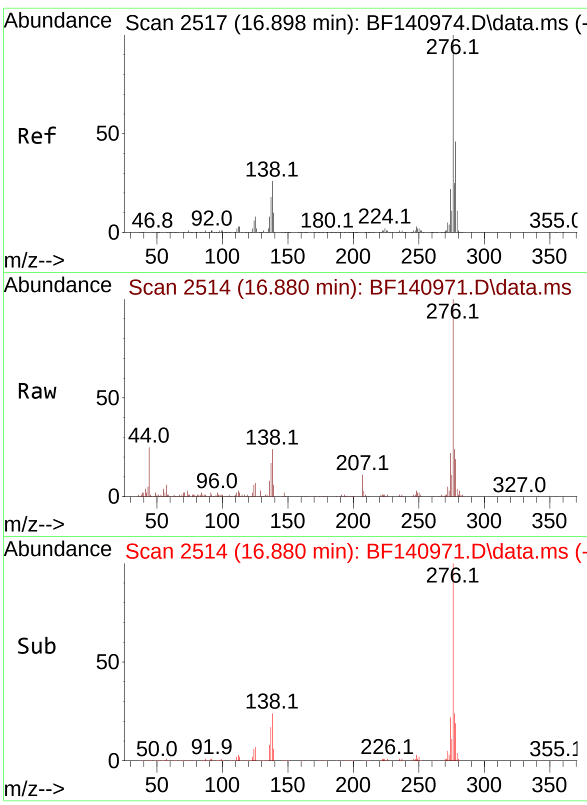


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:264 Resp: 730672

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

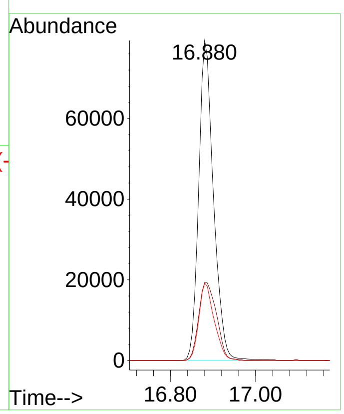


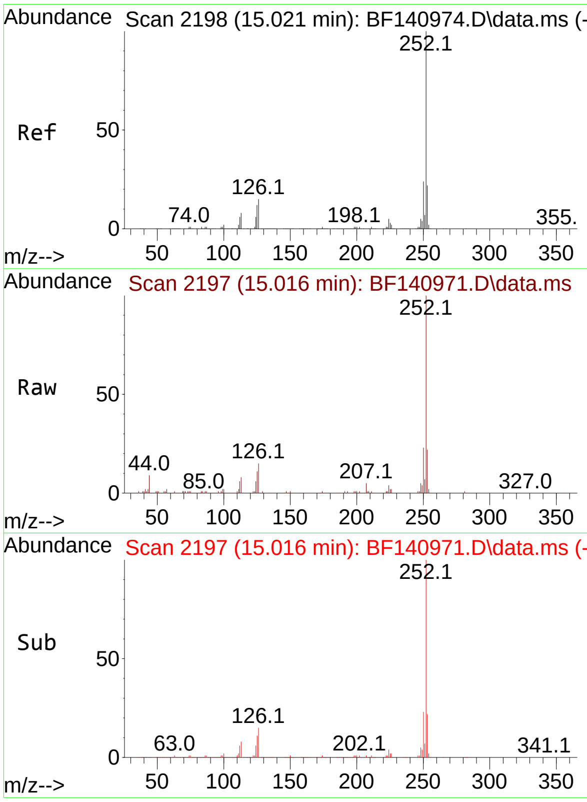


#87
Indeno(1,2,3-cd)pyrene
Concen: 4.166 ng
RT: 16.880 min Scan# 2514
Delta R.T. -0.018 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:276 Resp: 191761

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



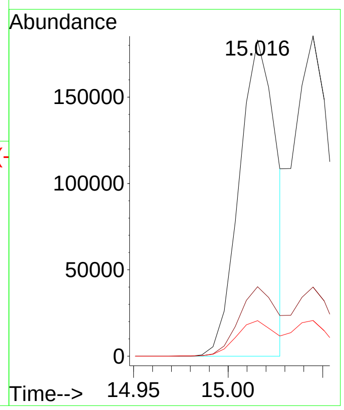


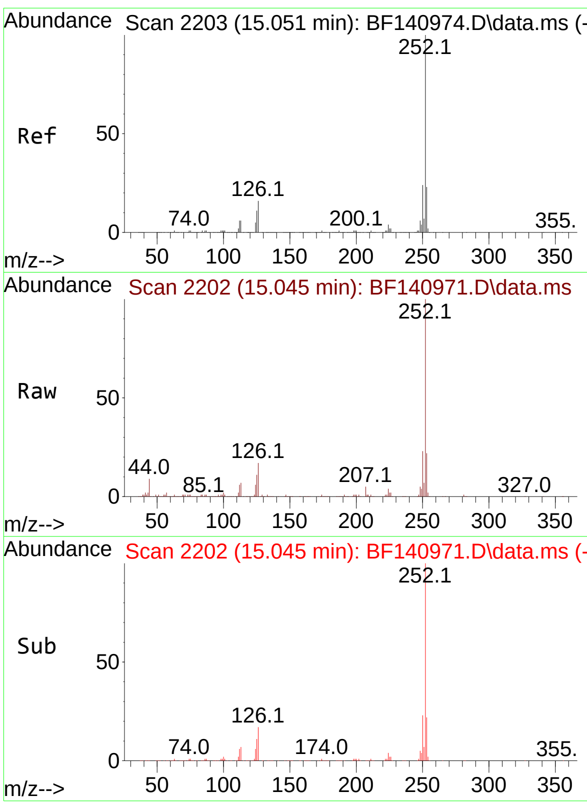
#88
Benzo(b)fluoranthene
Concen: 4.876 ng
RT: 15.016 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:252 Resp: 248464

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

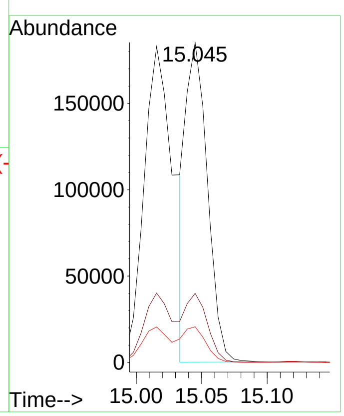




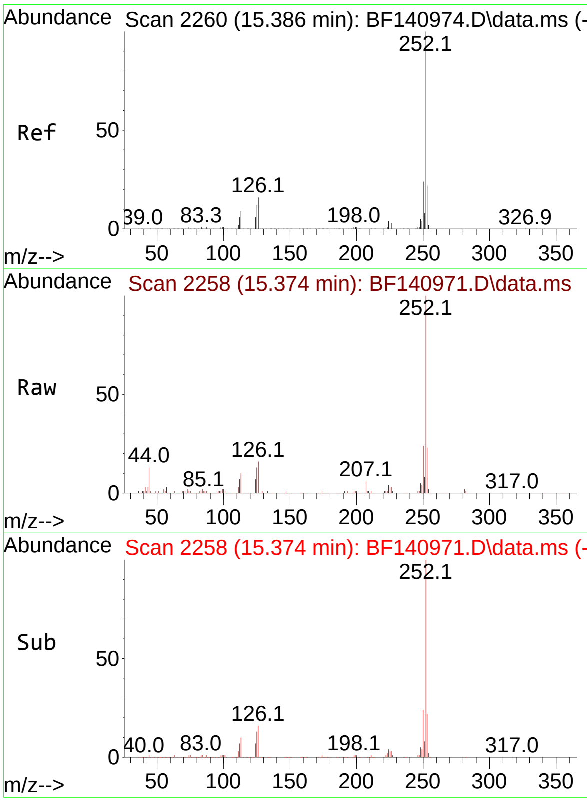
#89
Benzo(k)fluoranthene
Concen: 5.330 ng
RT: 15.045 min Scan# 2202
Delta R.T. -0.006 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:252 Resp: 212890

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



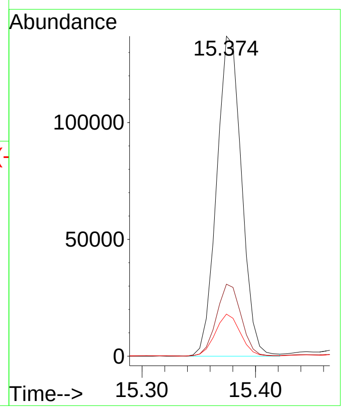
Instrument :
BNA_F
ClientSampleId :
SSTDICC005

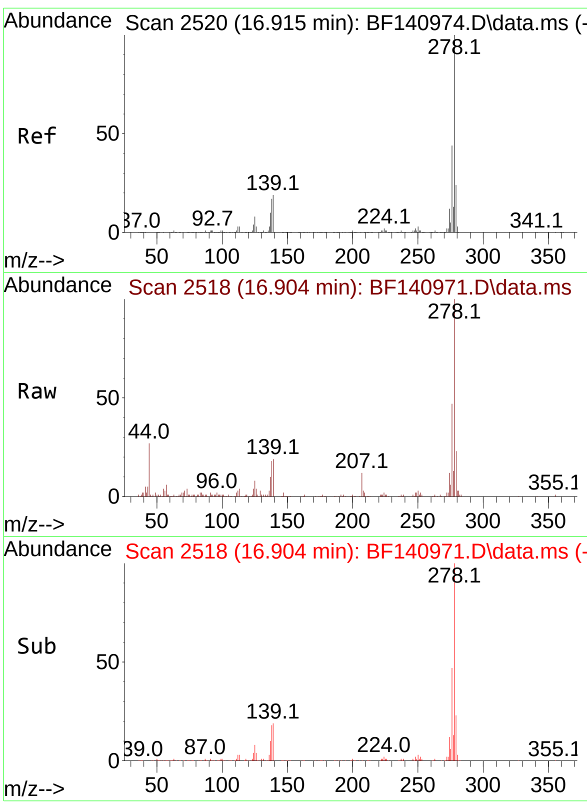


#90
Benzo(a)pyrene
Concen: 5.294 ng
RT: 15.374 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Tgt Ion:252 Resp: 209418

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

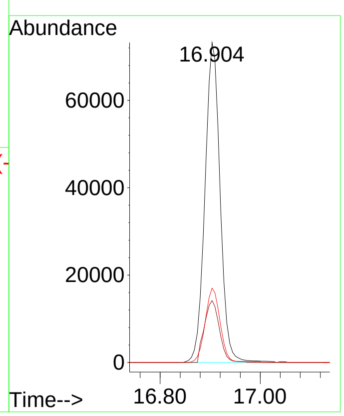


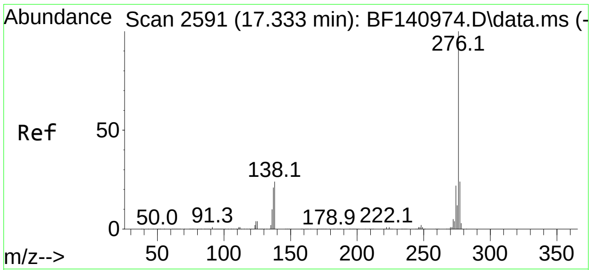


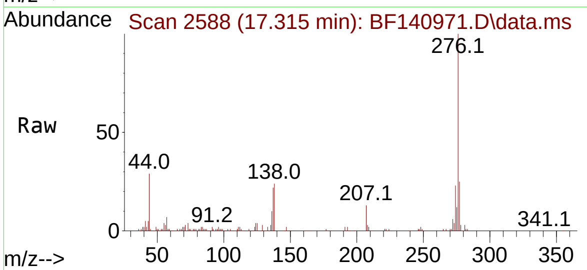
#91
Dibenzo(a,h)anthracene
Concen: 4.147 ng
RT: 16.904 min Scan# 2518
Delta R.T. -0.012 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

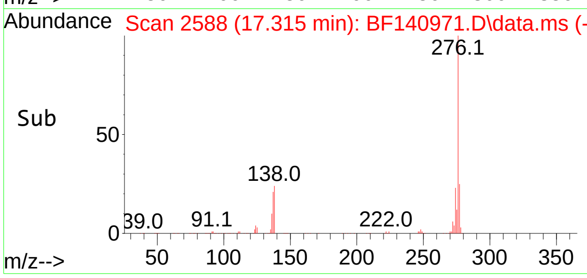
Tgt Ion:278 Resp: 154741

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







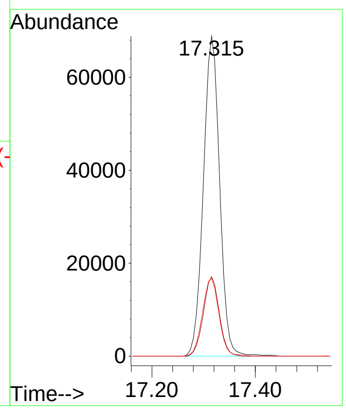


#92
Benzo(g,h,i)perylene
Concen: 3.893 ng
RT: 17.315 min Scan# 2!
Delta R.T. -0.018 min
Lab File: BF140971.D
Acq: 26 Dec 2024 16:49

Instrument :
BNA_F
ClientSampleId :
SSTDICC005

Tgt Ion:276 Resp: 150669

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



ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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

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

ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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

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

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

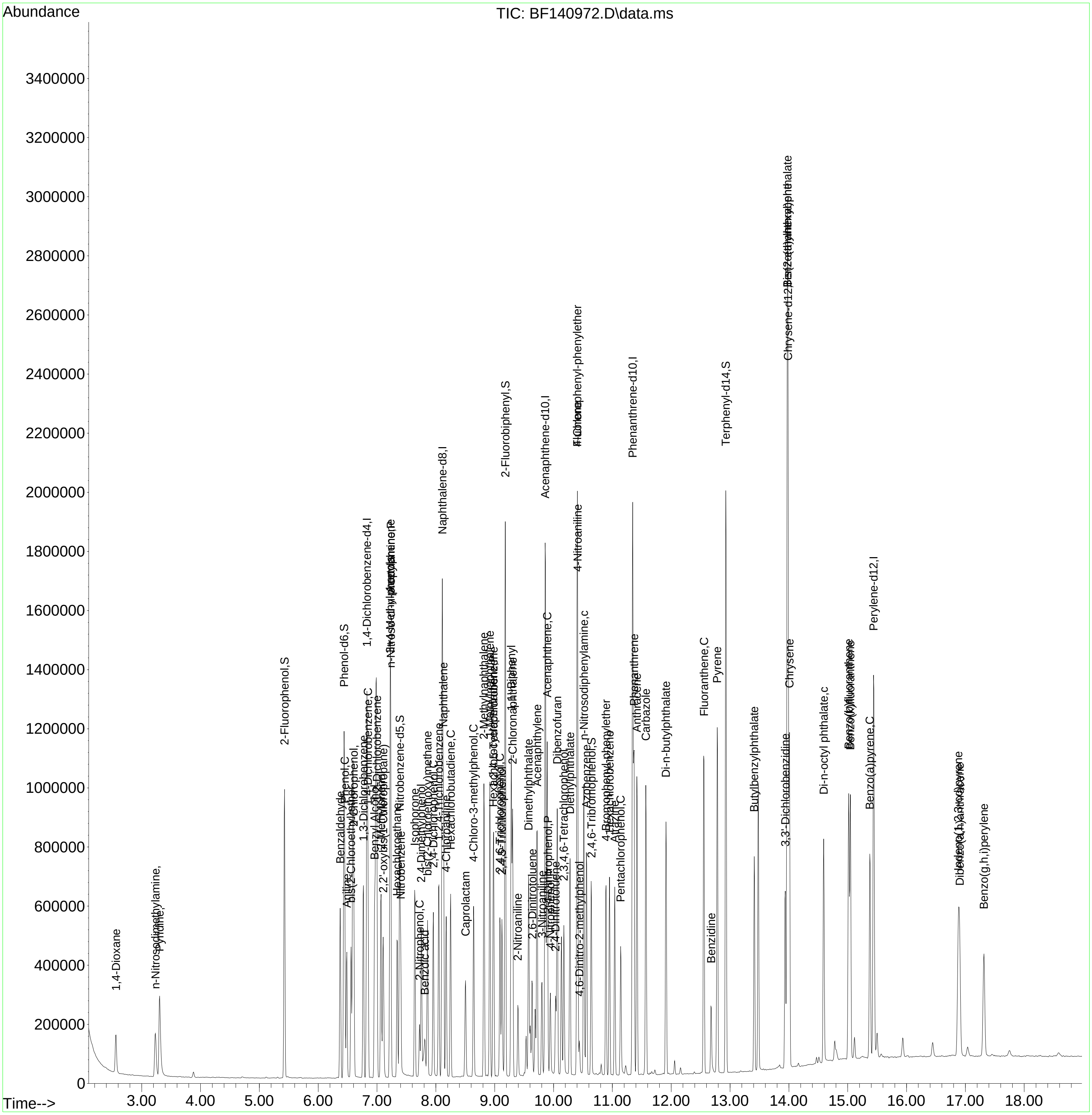
Quantitation Report (QT Reviewed)

ICAL Form

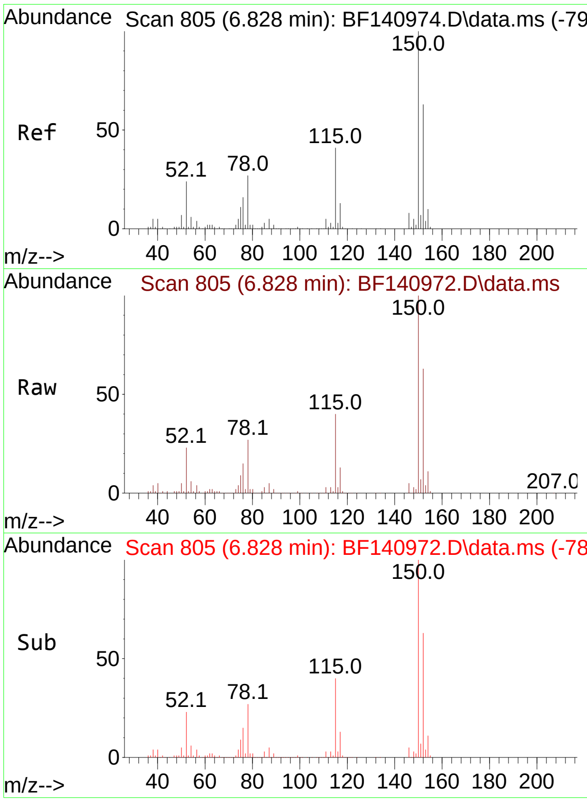
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140972.D
Acq On : 26 Dec 2024 17:15
Operator : RC/JU
Sample : SSTDICC010
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

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



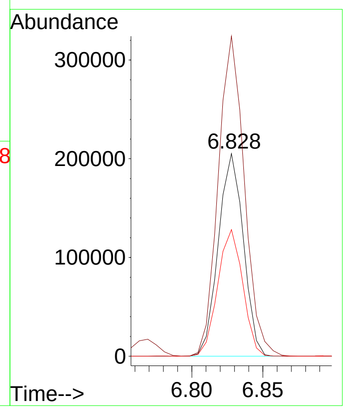
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

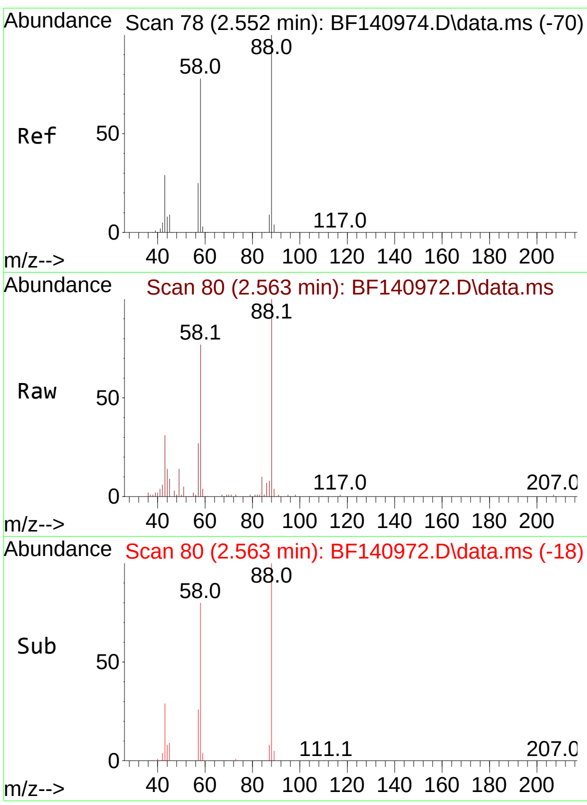


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 8(
Delta R.T. -0.000 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:152 Resp: 251125

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

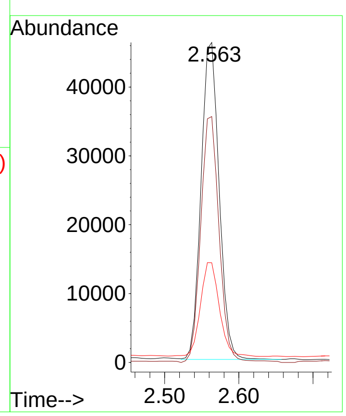




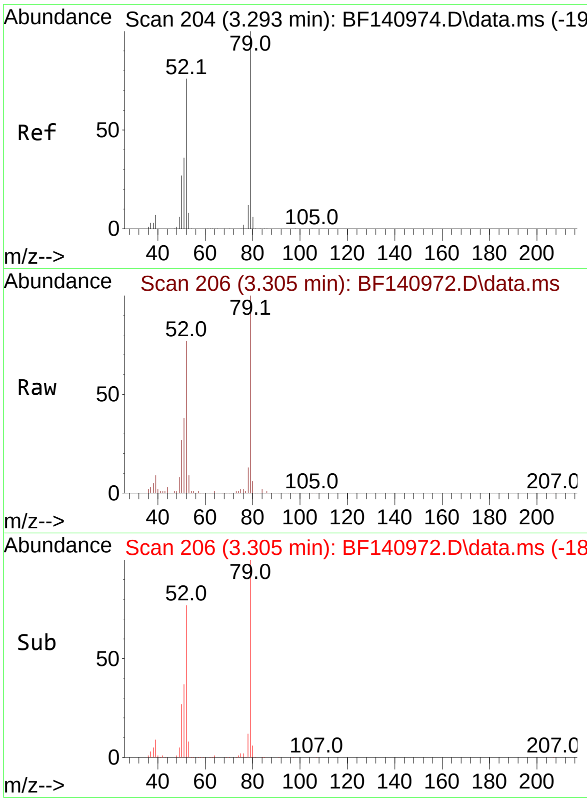
#2
1,4-Dioxane
Concen: 10.339 ng
RT: 2.563 min Scan# 80
Delta R.T. 0.012 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion: 88 Resp: 77981

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



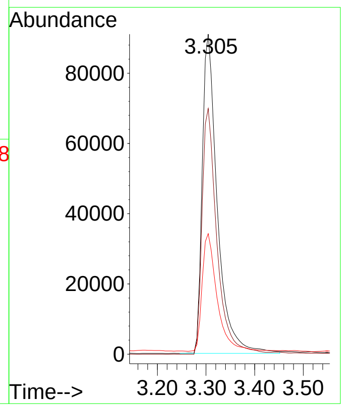
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

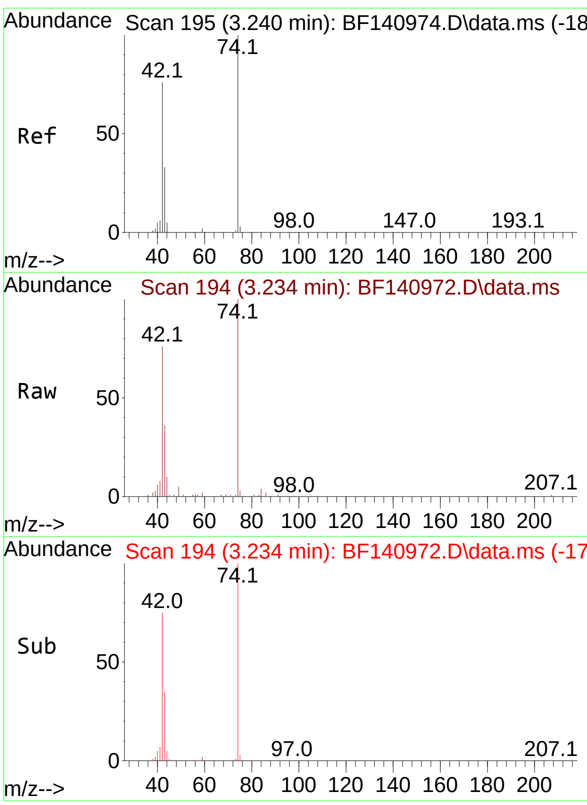


#3
Pyridine
Concen: 10.644 ng
RT: 3.305 min Scan# 20
Delta R.T. 0.012 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion: 79 Resp: 196202

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

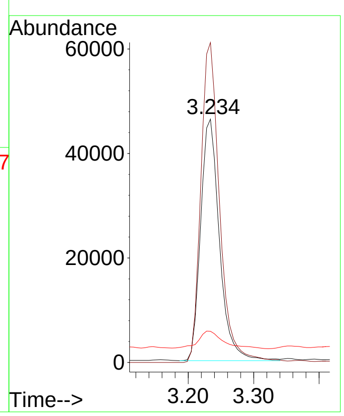




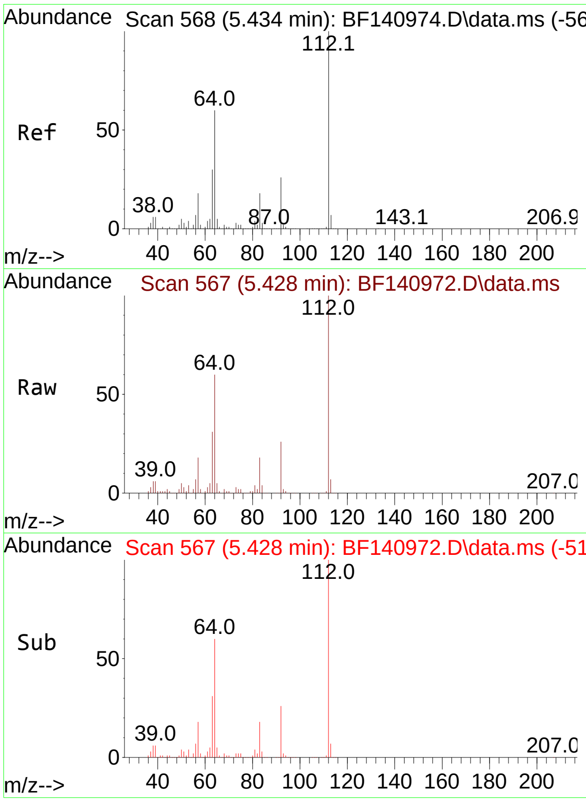
#4
n-Nitrosodimethylamine
Concen: 9.918 ng
RT: 3.234 min Scan# 194
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion: 42 Resp: 92623

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



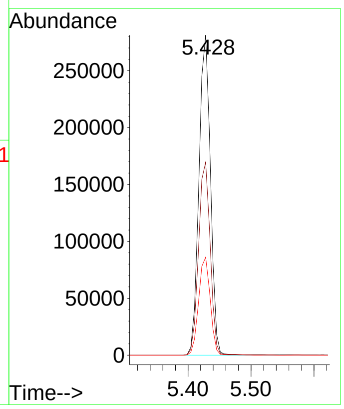
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

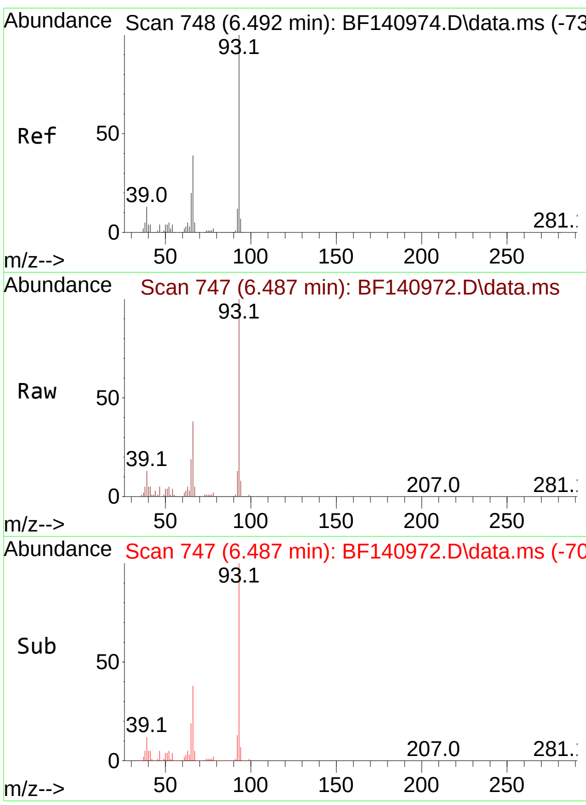


#5
2-Fluorophenol
Concen: 21.439 ng
RT: 5.428 min Scan# 5
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:112 Resp: 357171

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

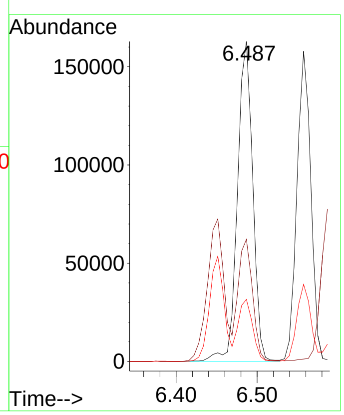




#6
Aniline
Concen: 11.168 ng
RT: 6.487 min Scan# 747
Delta R.T. -0.023 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

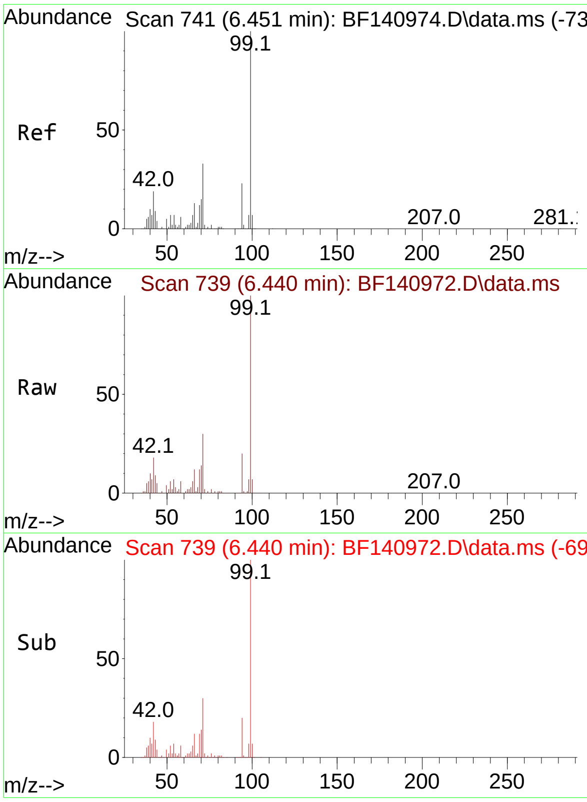
Tgt Ion: 93 Resp: 213768

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



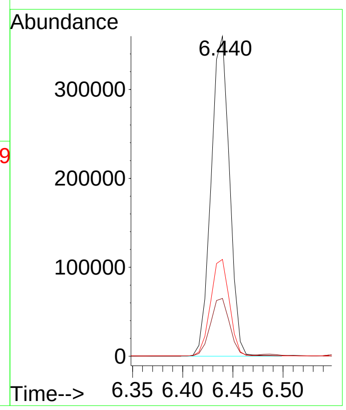
ICAL Form

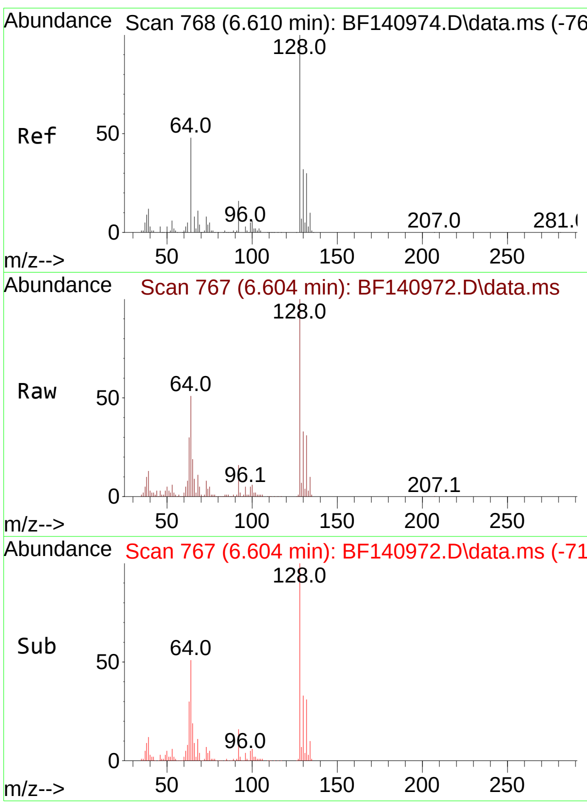
Instrument :
BNA_F
ClientSampleId :
SSTDICC010




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

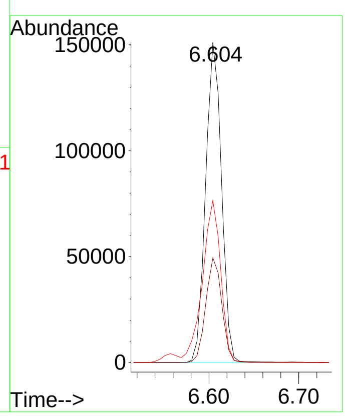
Tgt Ion: 99 Resp:  461726
Ion  Ratio  Lower  Upper
 99  100
 42   18.1   15.0   22.4
 71   30.2   26.2   39.2
```



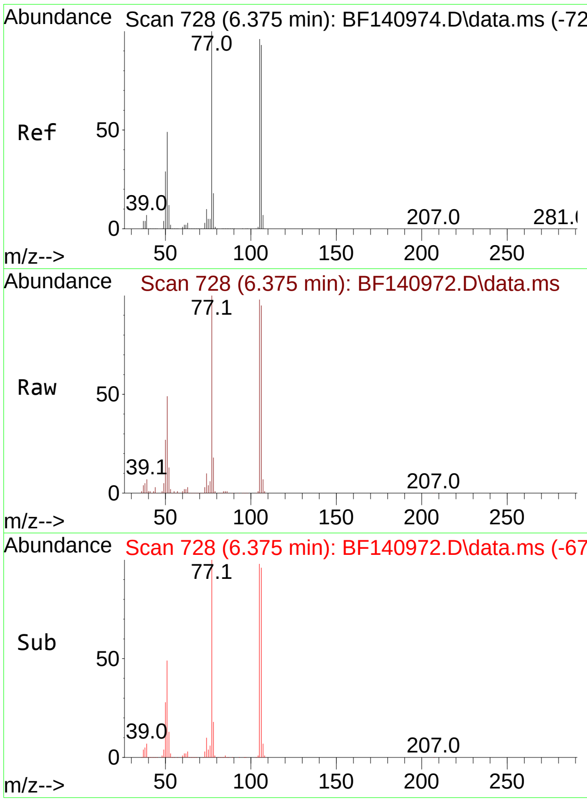



```
#8
2-Chlorophenol
Concen:   10.608 ng
RT:   6.604 min  Scan# 767
Delta R.T.  -0.006 min
Lab File:   BF140972.D
Acq: 26 Dec 2024  17:15

Tgt Ion:128 Resp:  186317
Ion  Ratio  Lower  Upper
128  100
130   32.7   12.2   52.2
 64   50.6   30.3   70.3
```



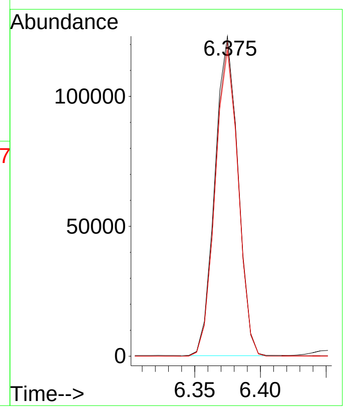
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

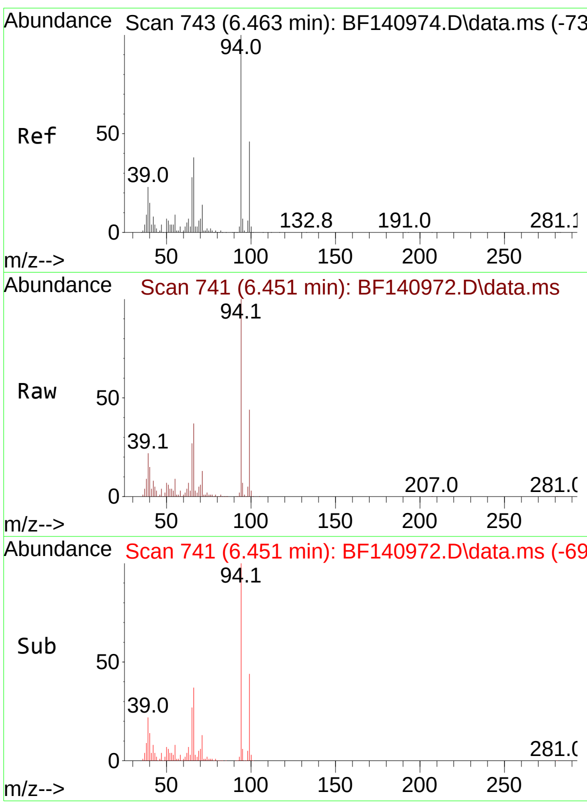


#9
Benzaldehyde
Concen: 7.569 ng
RT: 6.375 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion: 77 Resp: 149809

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

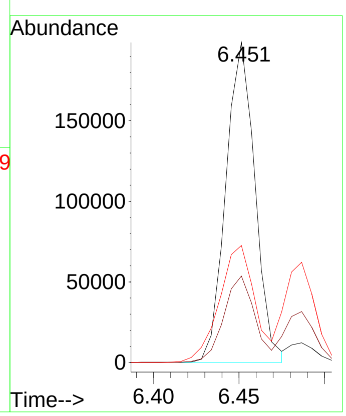




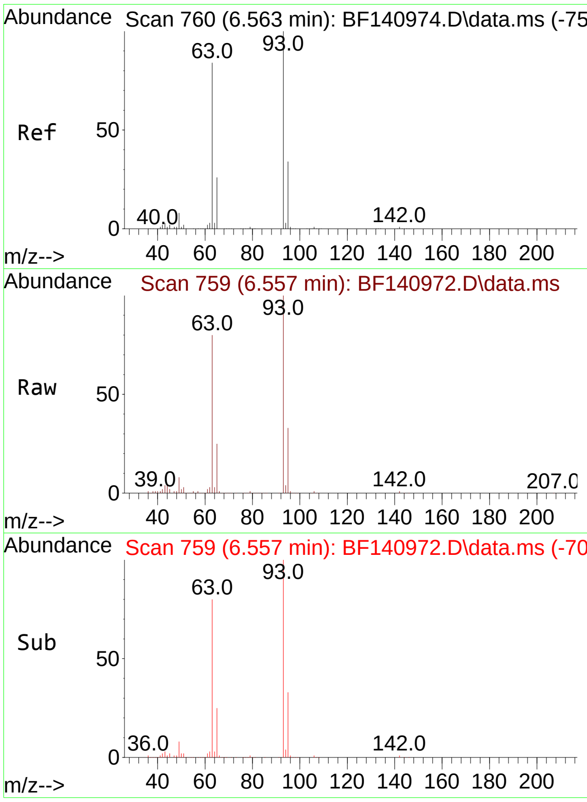
#10
Phenol
Concen: 10.639 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion: 94 Resp: 236093

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



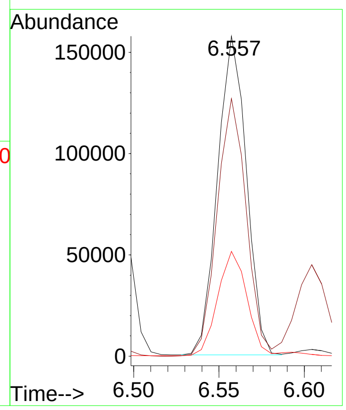
Instrument : BNA_F
ClientSampleId : SSTDICC010

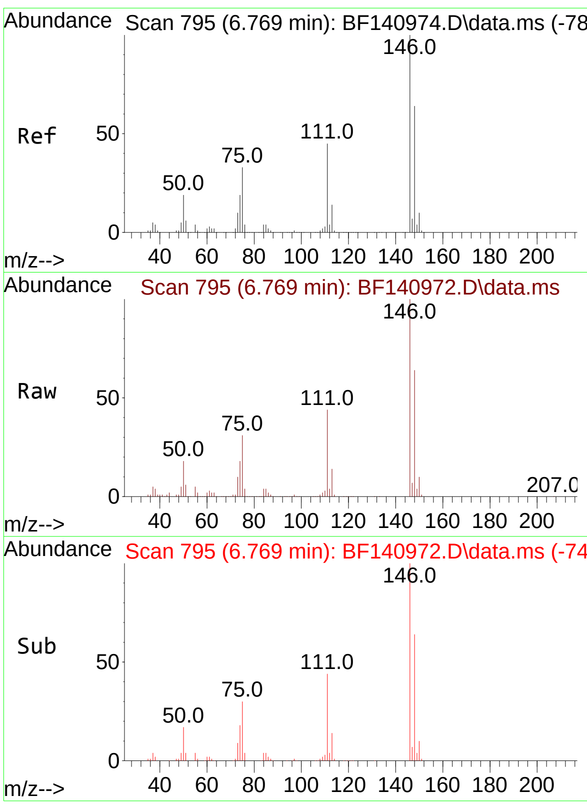


#11
bis(2-Chloroethyl)ether
Concen: 10.376 ng
RT: 6.557 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion: 93 Resp: 185749

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

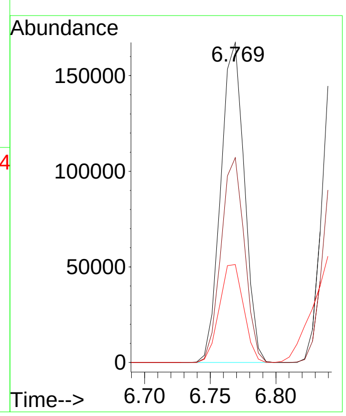




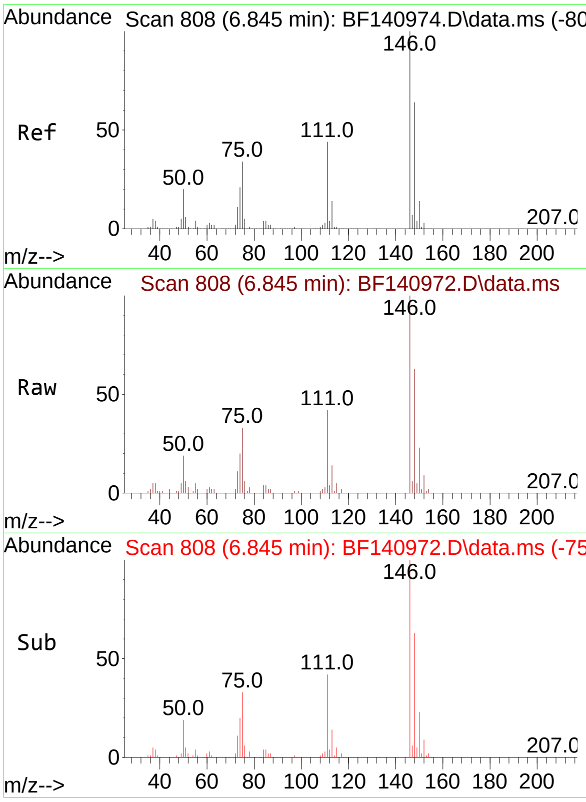
#12
1,3-Dichlorobenzene
Concen: 10.787 ng
RT: 6.769 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:146 Resp: 209098

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



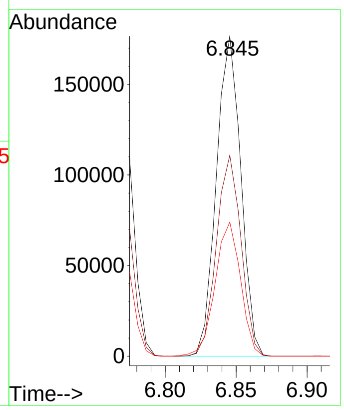
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

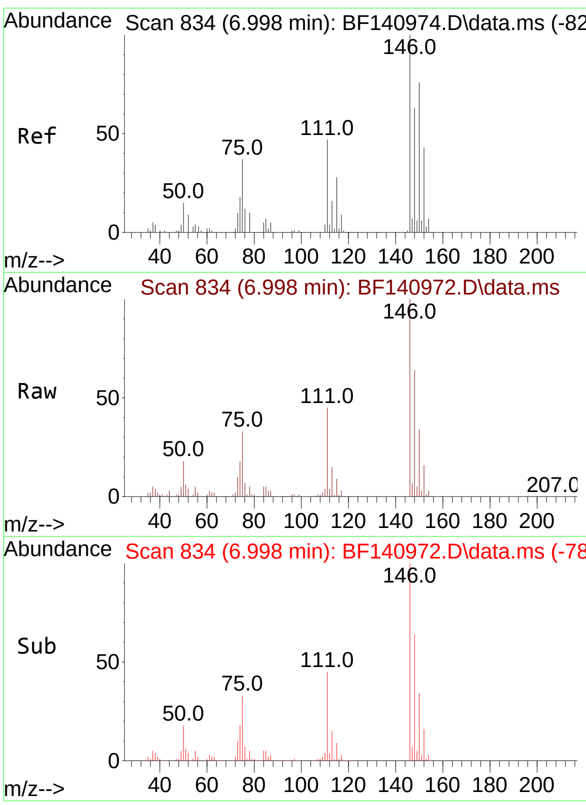


#13
1,4-Dichlorobenzene
Concen: 10.857 ng
RT: 6.845 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:146 Resp: 212166

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

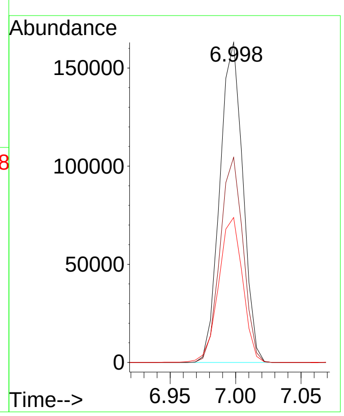




#14
1,2-Dichlorobenzene
Concen: 10.949 ng
RT: 6.998 min Scan# 834
Delta R.T. 0.000 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:146 Resp: 199494

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



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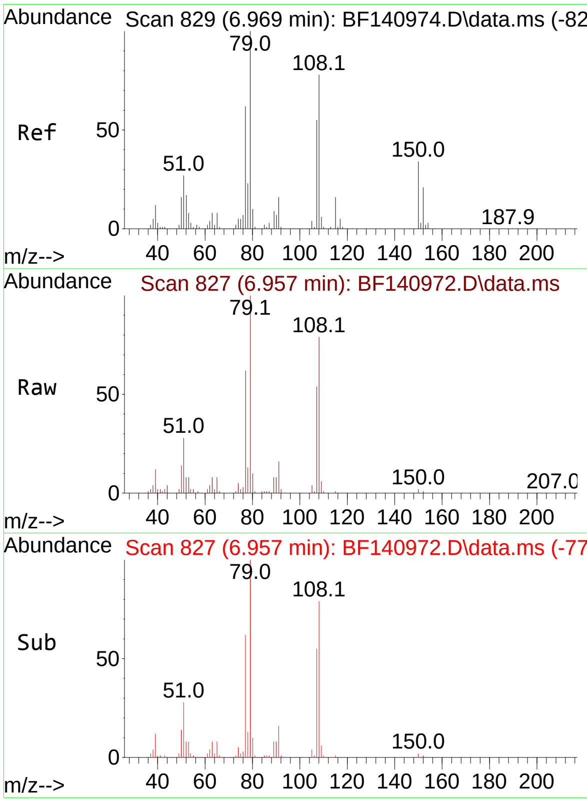
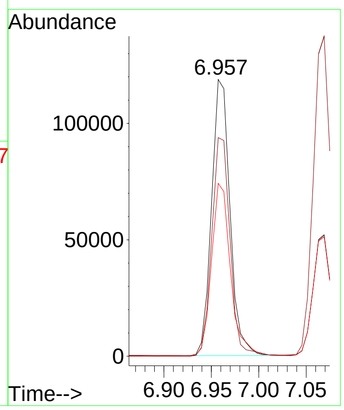


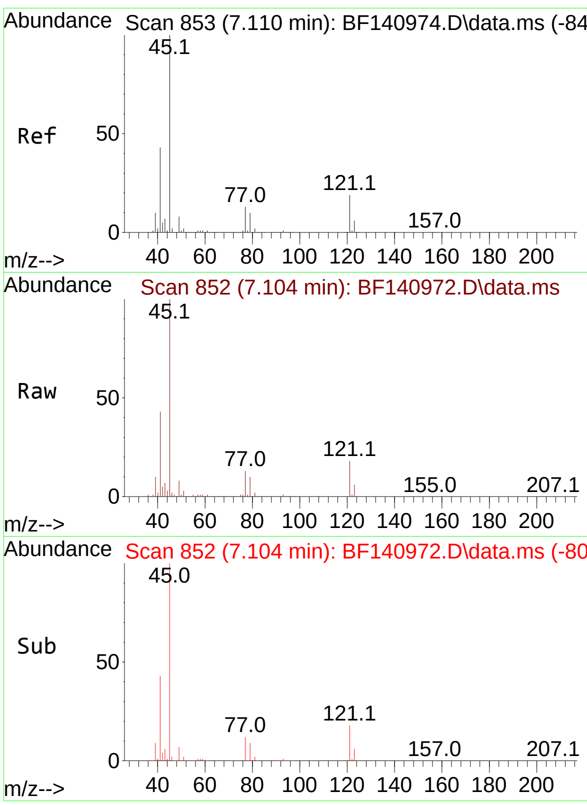
#15
Benzyl Alcohol
Concen: 10.383 ng
RT: 6.957 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion: 79 Resp: 160122

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

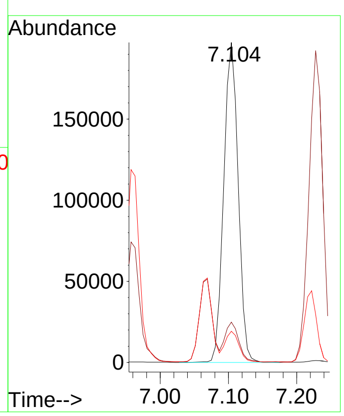




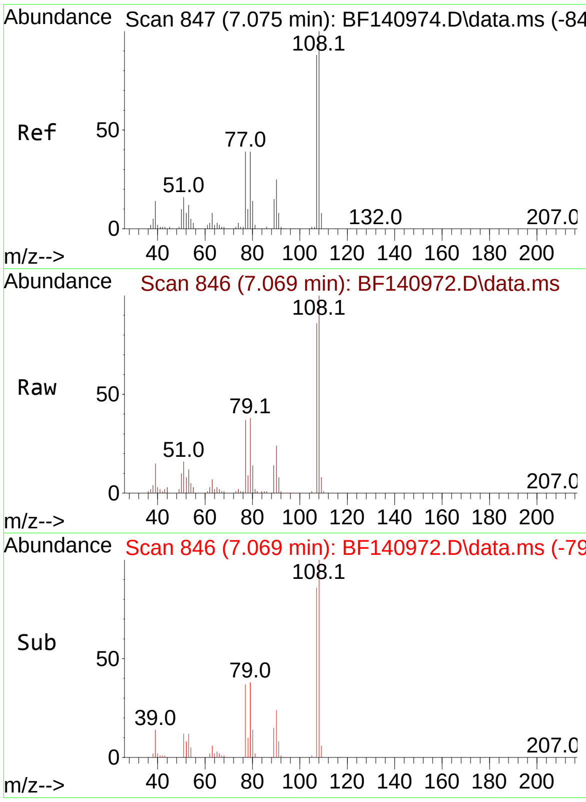
#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.738 ng
RT: 7.104 min Scan# 852
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion: 45 Resp: 290964

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



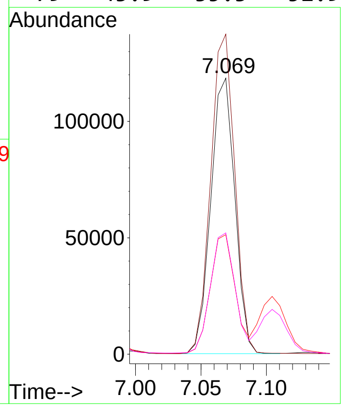
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

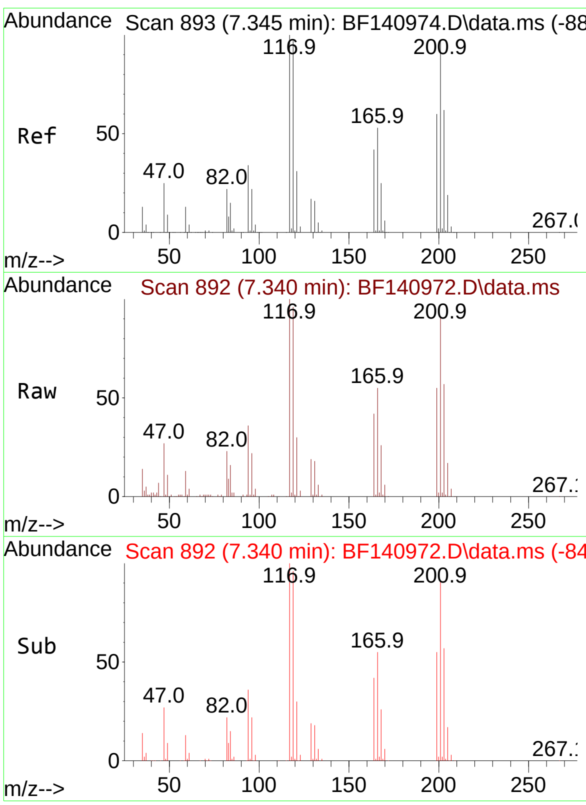


#17
2-Methylphenol
Concen: 10.393 ng
RT: 7.069 min Scan# 84
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:107 Resp: 151661

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

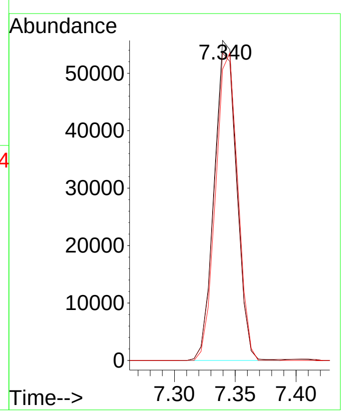




#18
Hexachloroethane
Concen: 10.361 ng
RT: 7.340 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:117 Resp: 71922

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



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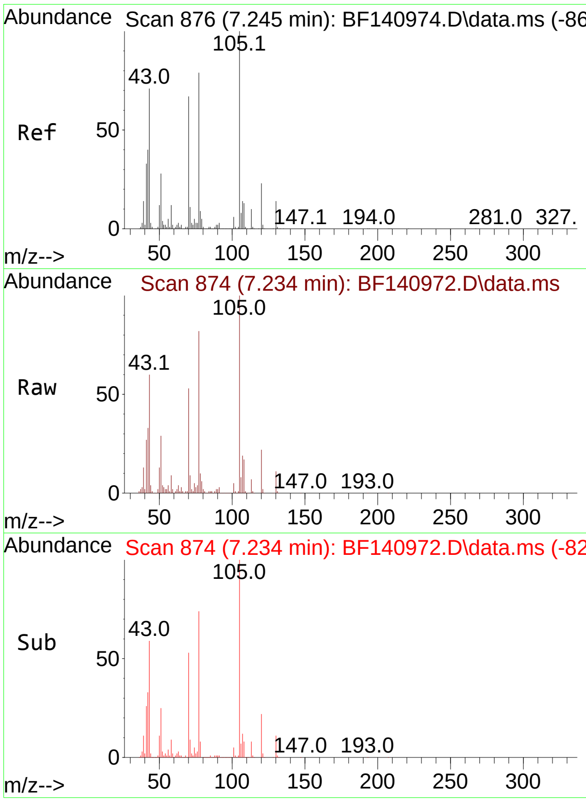
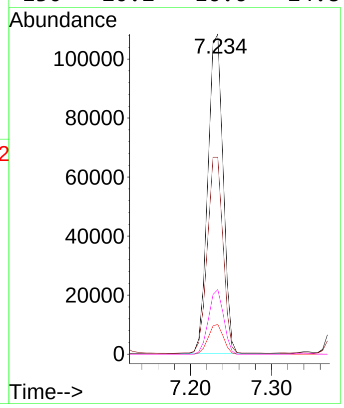
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

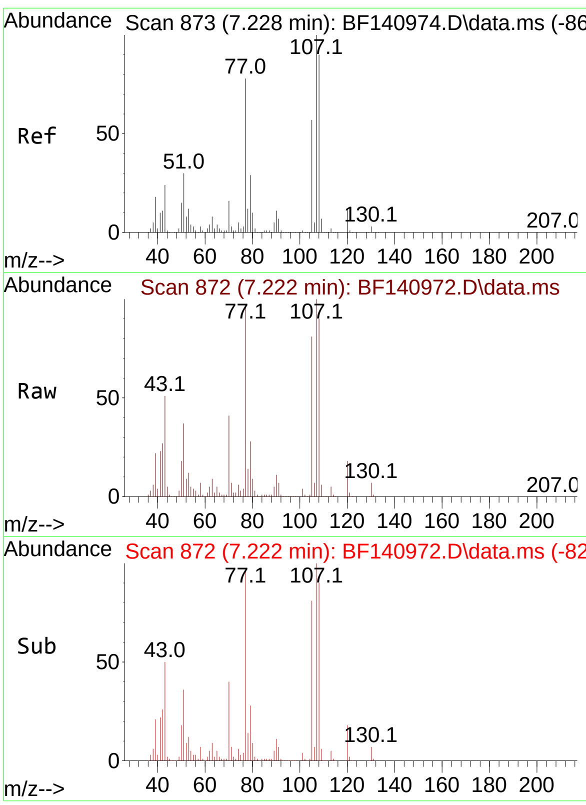


#19
n-Nitroso-di-n-propylamine
Concen: 10.763 ng
RT: 7.234 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion: 70 Resp: 141506

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

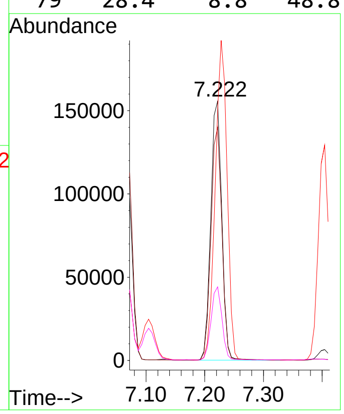




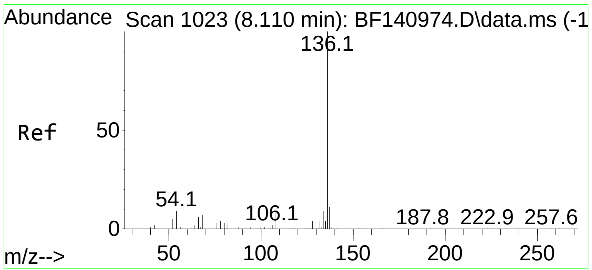
#20
3+4-Methylphenols
Concen: 11.040 ng
RT: 7.222 min Scan# 872
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

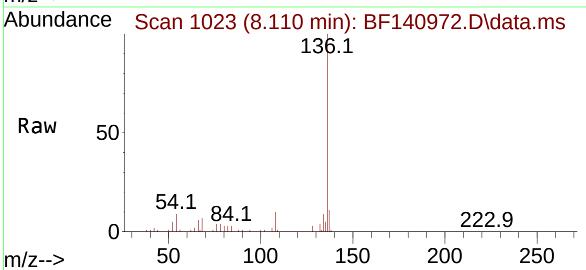
Tgt Ion:107 Resp: 203866

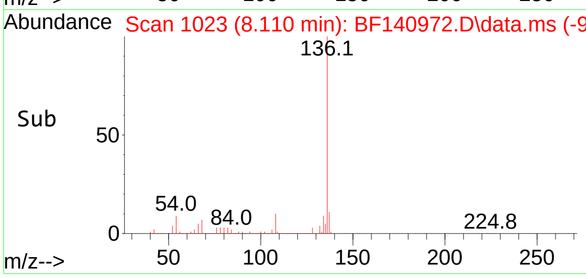
Ion	Ratio	Lower	Upper
107	100		
108	90.0	69.6	109.6
77	96.6	57.6	97.6
79	28.4	8.8	48.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC010

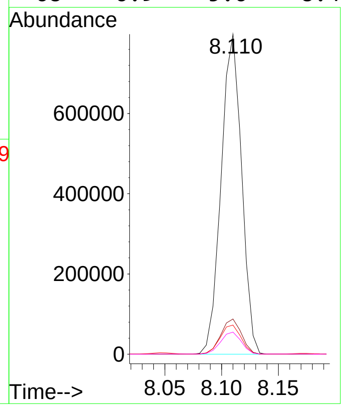


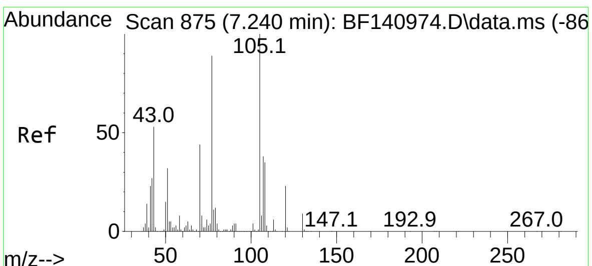


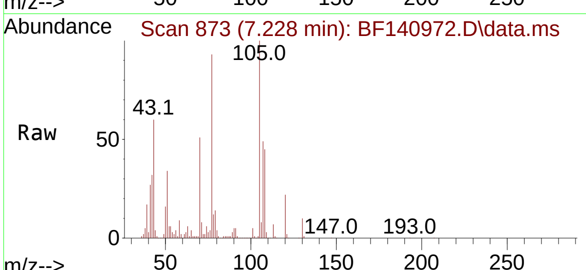


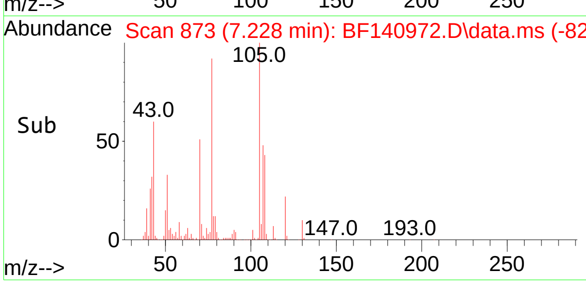

```
#21
Naphthalene-d8
Concen:   20.000 ng
RT:   8.110 min   Scan# 1
Delta R.T.   0.000 min
Lab File:   BF140972.D
Acq: 26 Dec 2024   17:15

Tgt Ion:136 Resp: 1005088
Ion  Ratio   Lower   Upper
136  100
137   11.0     9.0    13.4
 54    9.1     7.6    11.4
 68    6.9     5.6     8.4
```



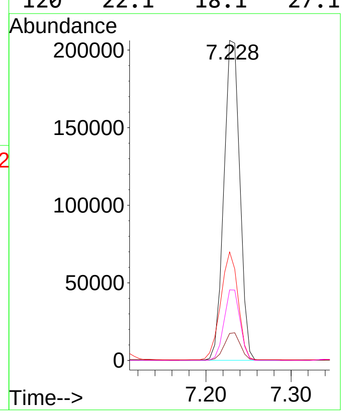




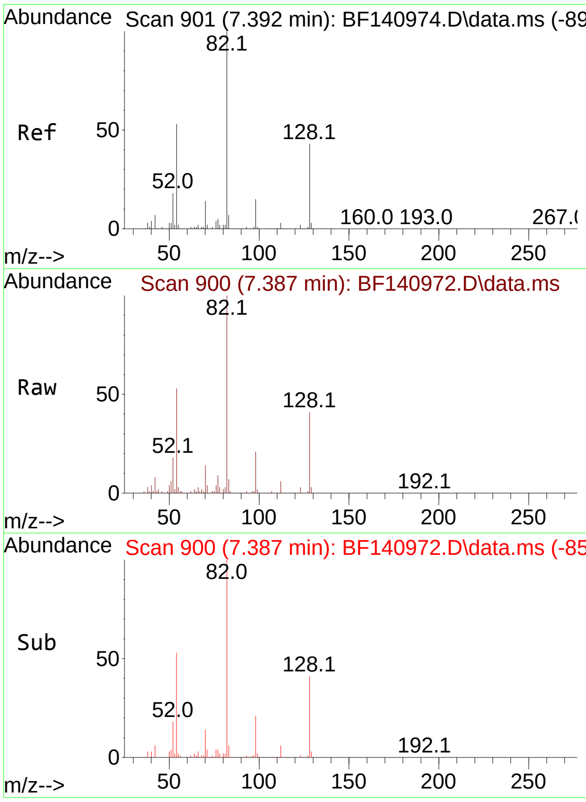



```
#22
Acetophenone
Concen:   10.898 ng
RT:   7.228 min   Scan# 873
Delta R.T.   -0.012 min
Lab File:   BF140972.D
Acq: 26 Dec 2024   17:15

Tgt Ion:105 Resp:   268709
Ion  Ratio   Lower   Upper
105  100
 71    8.4     6.1     9.1
 51   33.9    25.8    38.6
120   22.1    18.1    27.1
```



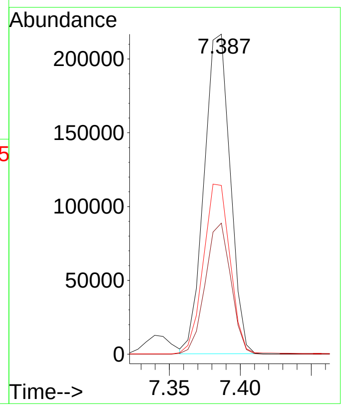
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

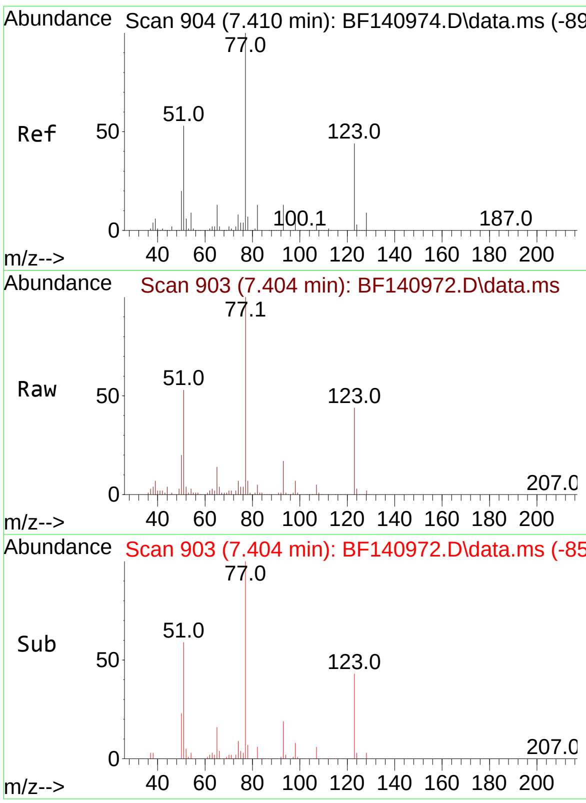


#23
Nitrobenzene-d5
Concen: 17.691 ng
RT: 7.387 min   Scan# 90
Delta R.T.   -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024   17:15

Tgt Ion: 82 Resp: 277918

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

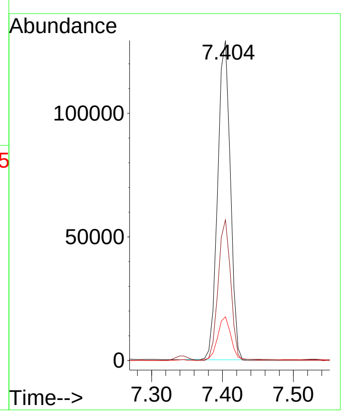




#24
Nitrobenzene
Concen: 9.121 ng
RT: 7.404 min   Scan# 903
Delta R.T.   -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024   17:15

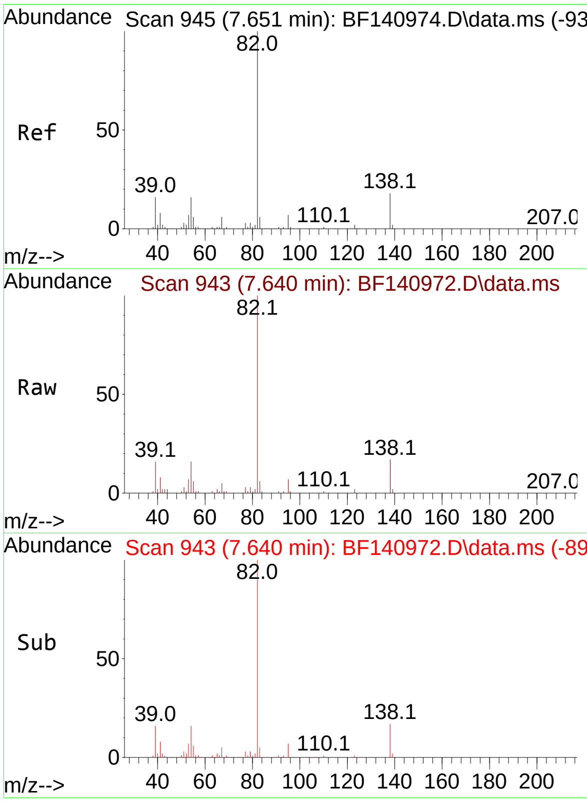
Tgt Ion: 77 Resp: 160105

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



ICAL Form

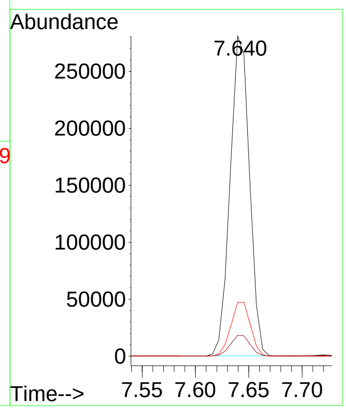
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

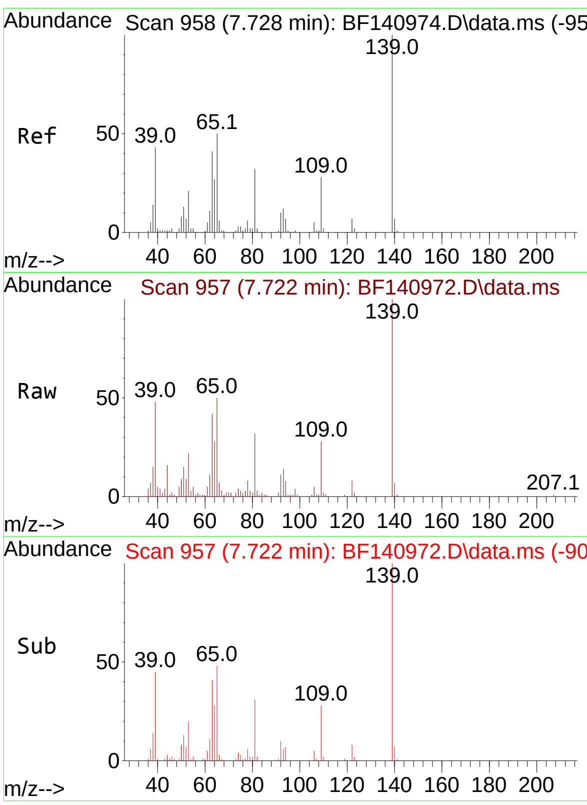


#25
Isophorone
Concen: 10.381 ng
RT: 7.640 min   Scan# 94
Delta R.T.   -0.012 min
Lab File: BF140972.D
Acq: 26 Dec 2024   17:15

Tgt Ion: 82 Resp: 354894

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

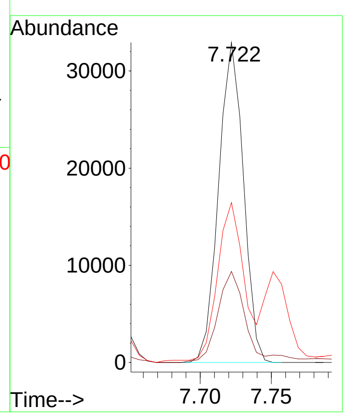




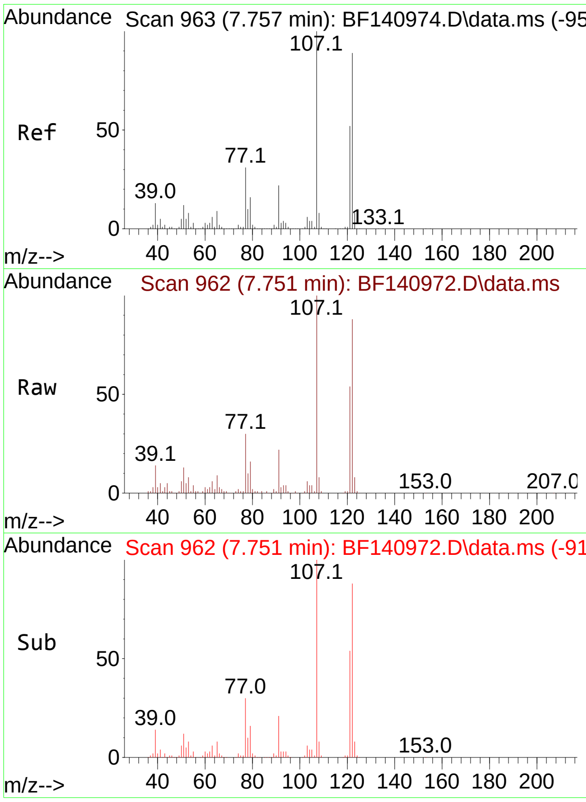
#26
2-Nitrophenol
Concen: 10.245 ng
RT: 7.722 min   Scan# 957
Delta R.T.   -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024   17:15

Tgt Ion:139 Resp: 39980

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



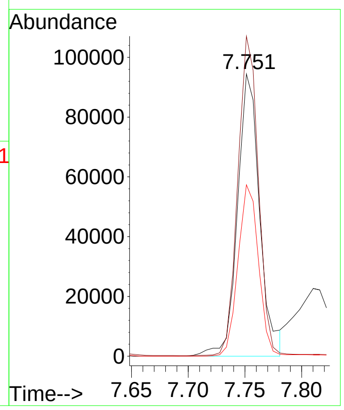
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

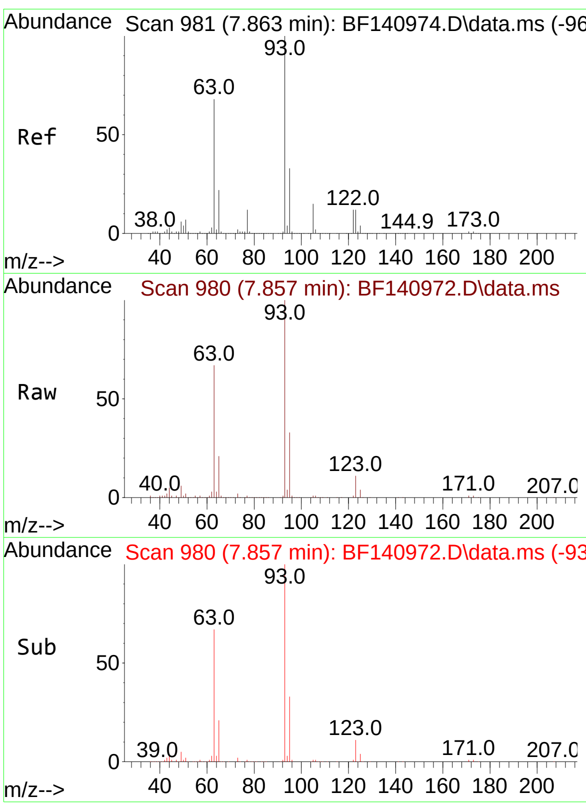


#27
2,4-Dimethylphenol
Concen: 10.276 ng
RT: 7.751 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:122 Resp: 128382

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

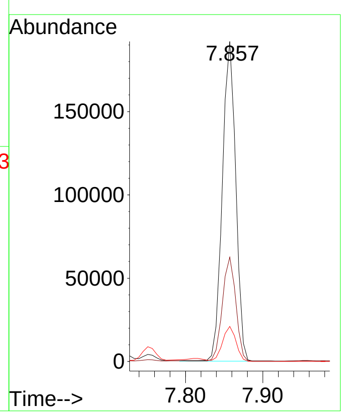




#28
bis(2-Chloroethoxy)methane
Concen: 10.730 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion: 93 Resp: 232407

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



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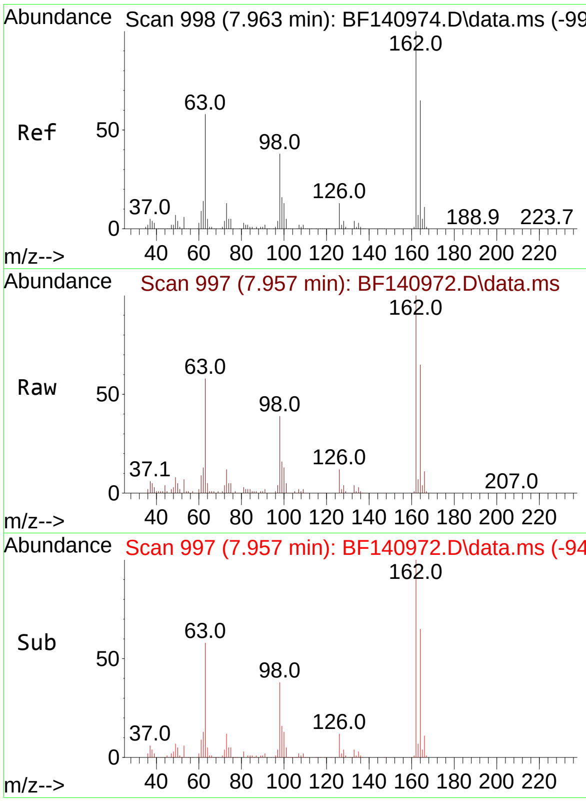
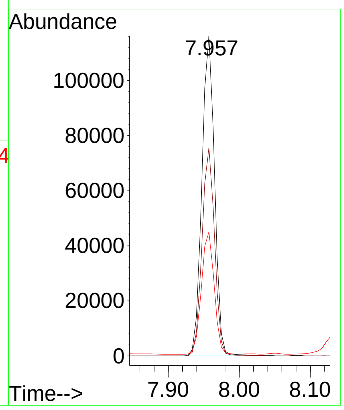
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

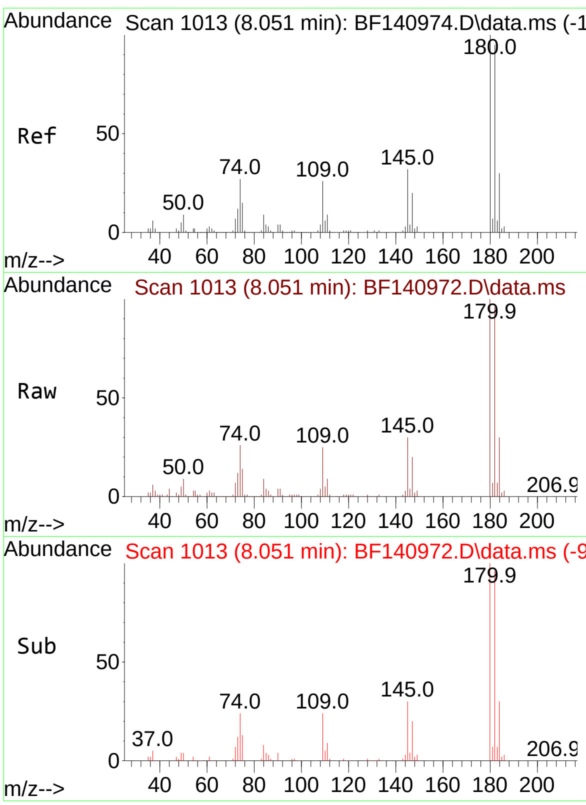


#29
2,4-Dichlorophenol
Concen: 10.238 ng
RT: 7.957 min Scan# 99
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:162 Resp: 145068

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

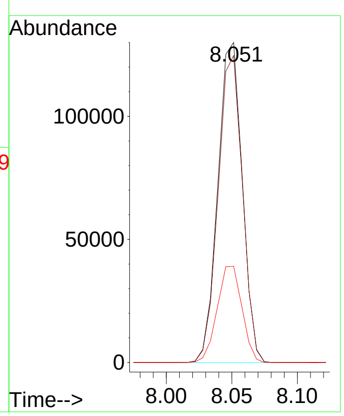




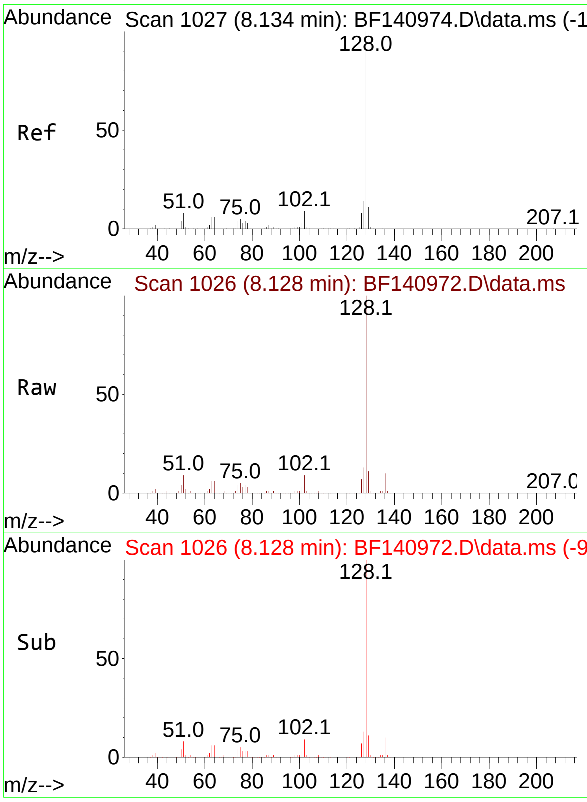
#30
1,2,4-Trichlorobenzene
Concen: 10.498 ng
RT: 8.051 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:180 Resp: 168369

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

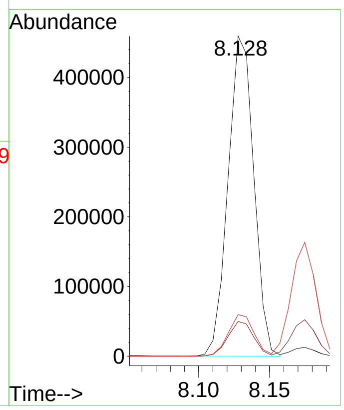


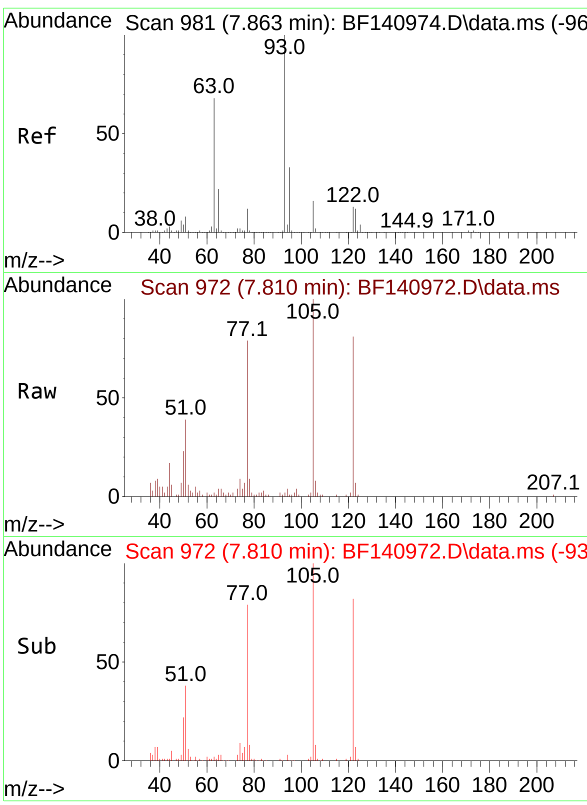
Instrument : BNA_F
ClientSampleId : SSTDICC010




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

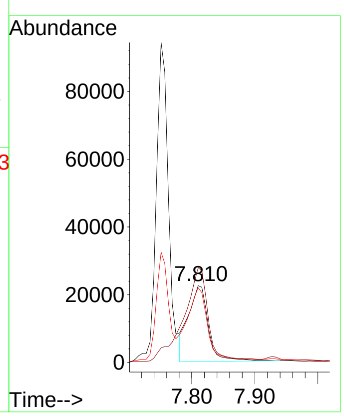
Tgt Ion:128 Resp:  579991
Ion  Ratio  Lower  Upper
128  100
129   10.9    9.2   13.8
127   13.0   11.0   16.4
```



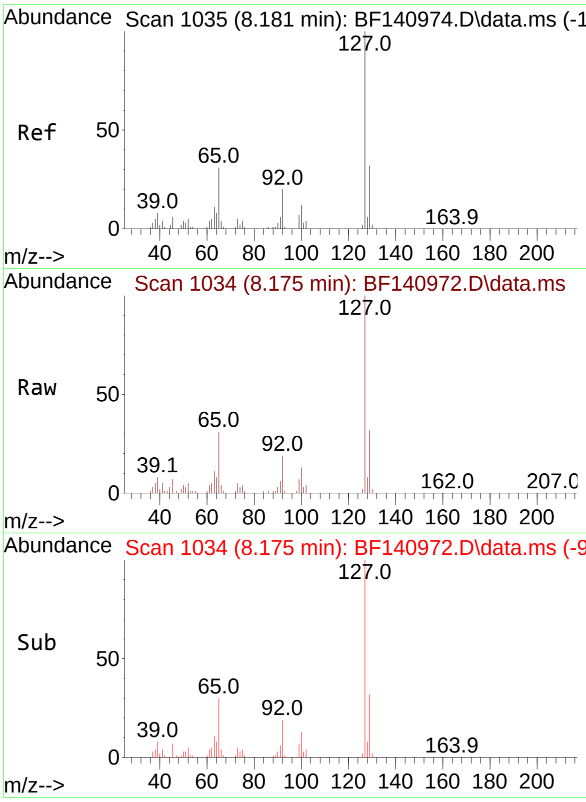



```
#32
Benzoic acid
Concen:   11.743 ng
RT:   7.810 min  Scan# 972
Delta R.T.  -0.053 min
Lab File:   BF140972.D
Acq: 26 Dec 2024  17:15

Tgt Ion:122 Resp:   49591
Ion  Ratio  Lower  Upper
122  100
105  123.3  105.4  145.4
 77   97.4   76.4  116.4
```



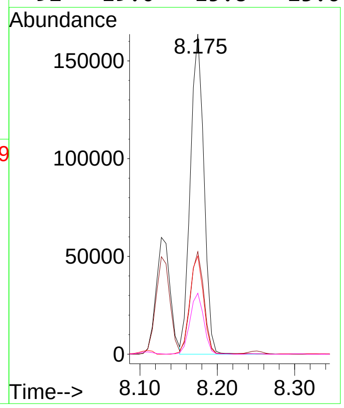
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

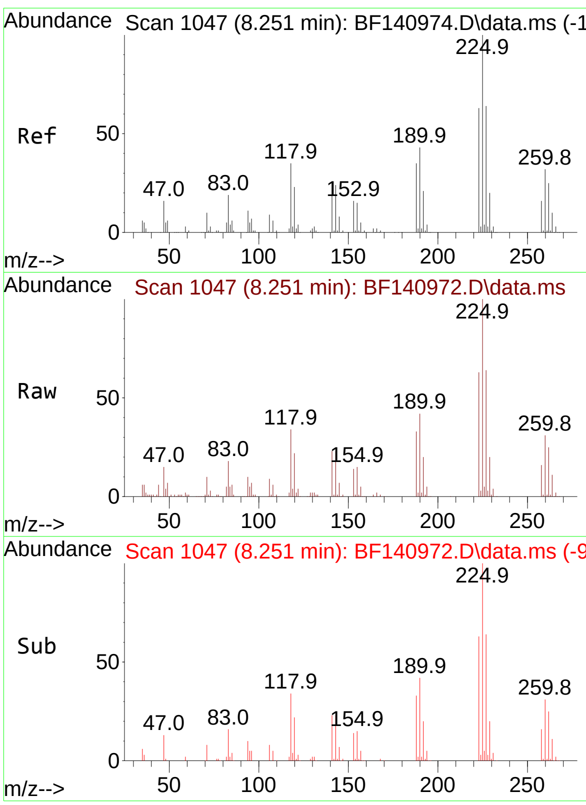


#33
4-Chloroaniline
Concen: 10.433 ng
RT: 8.175 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:127 Resp: 199889

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

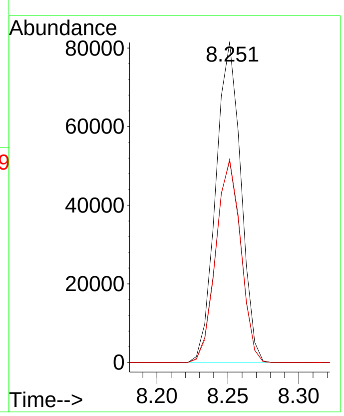




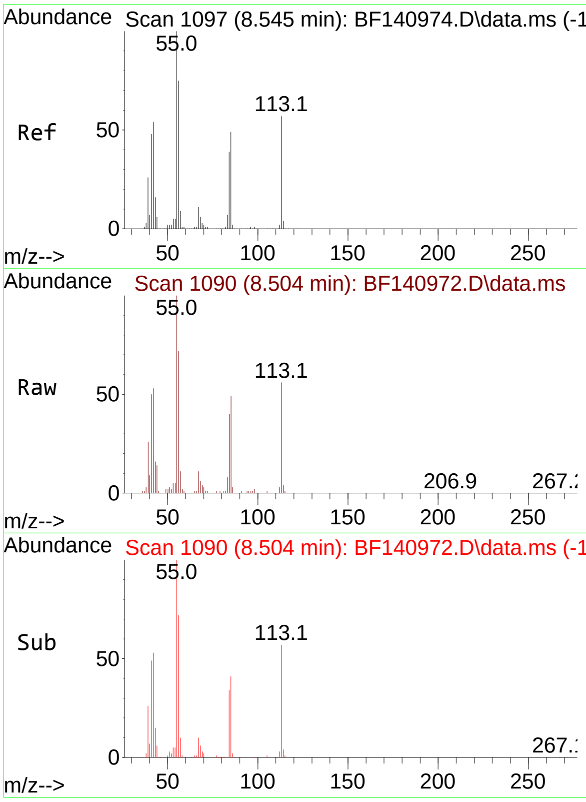
#34
Hexachlorobutadiene
Concen: 10.579 ng
RT: 8.251 min Scan# 1047
Delta R.T. 0.000 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:225 Resp: 100026

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

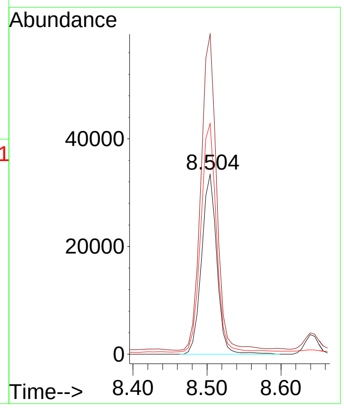


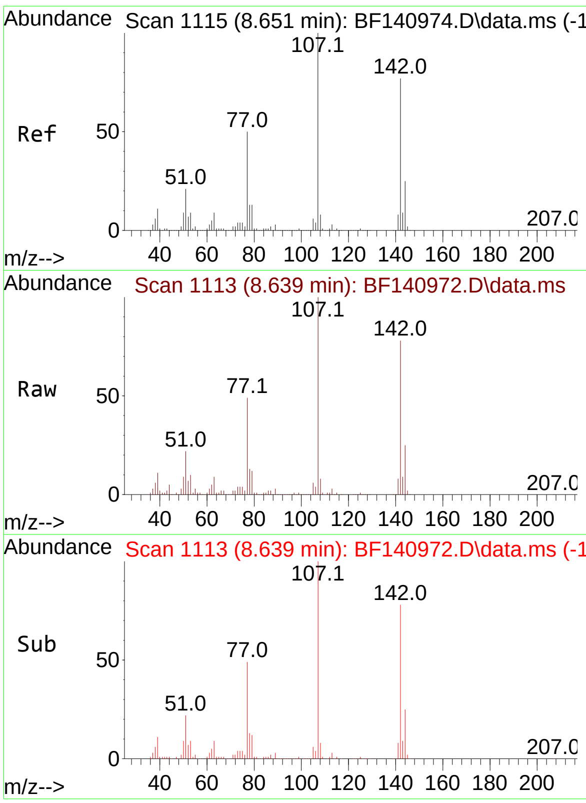
Instrument : BNA_F
ClientSampleId : SSTDICC010




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

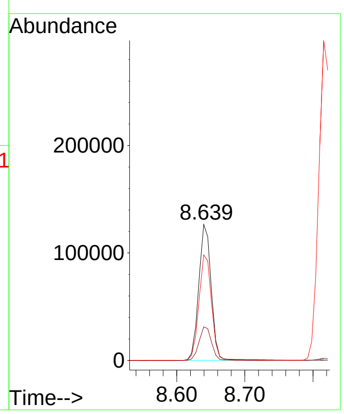
Tgt Ion:113 Resp:   47868
Ion  Ratio  Lower  Upper
113  100
 55  178.1  156.6  196.6
 56  128.4  111.7  151.7
```



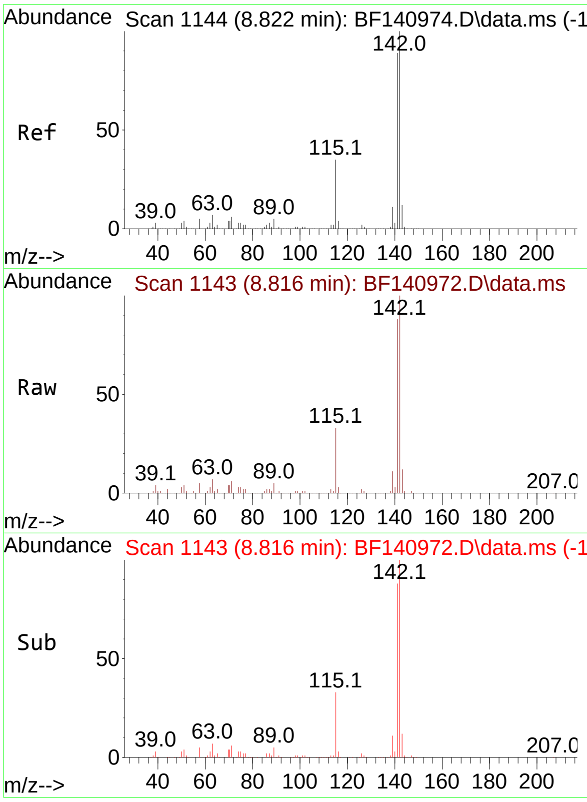



```
#36
4-Chloro-3-methylphenol
Concen:   10.230 ng
RT:   8.639 min  Scan# 1113
Delta R.T.   -0.012 min
Lab File:    BF140972.D
Acq: 26 Dec 2024  17:15

Tgt Ion:107 Resp:  160989
Ion  Ratio  Lower  Upper
107  100
144   24.7   19.9   29.9
142   77.7   61.8   92.8
```



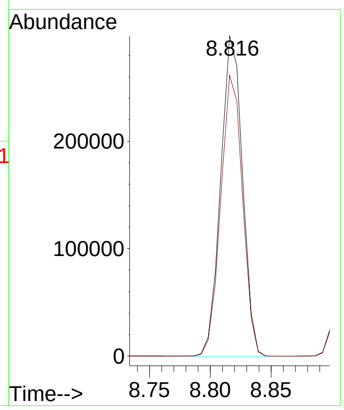
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

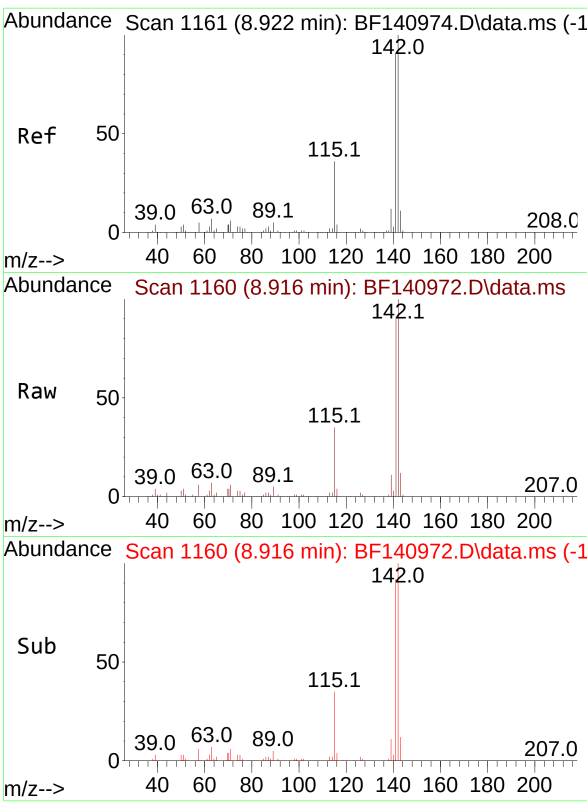


#37
2-Methylnaphthalene
Concen: 10.982 ng
RT: 8.816 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:142 Resp: 372101

Ion	Ratio	Lower	Upper
142	100		
141	87.7	71.1	106.7

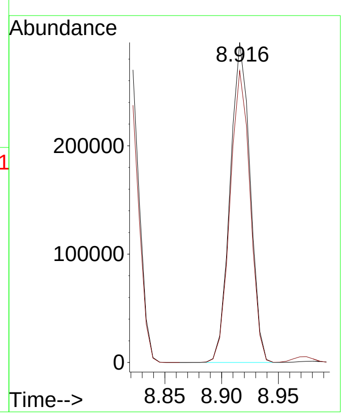




#38
1-Methylnaphthalene
Concen: 10.903 ng
RT: 8.916 min Scan# 1160
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

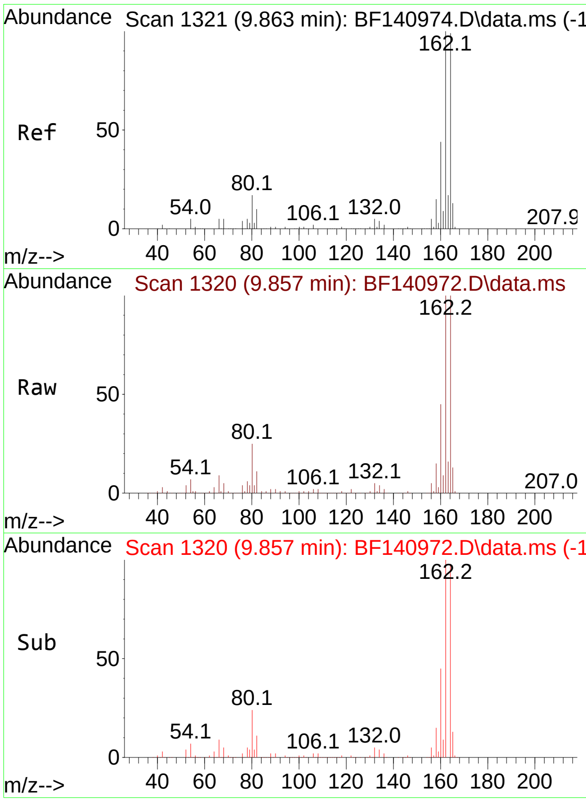
Tgt Ion:142 Resp: 363059

Ion	Ratio	Lower	Upper
142	100		
141	91.1	72.7	109.1



ICAL Form

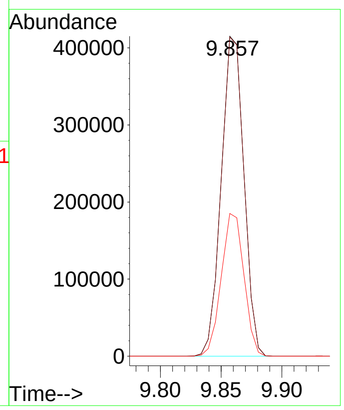
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

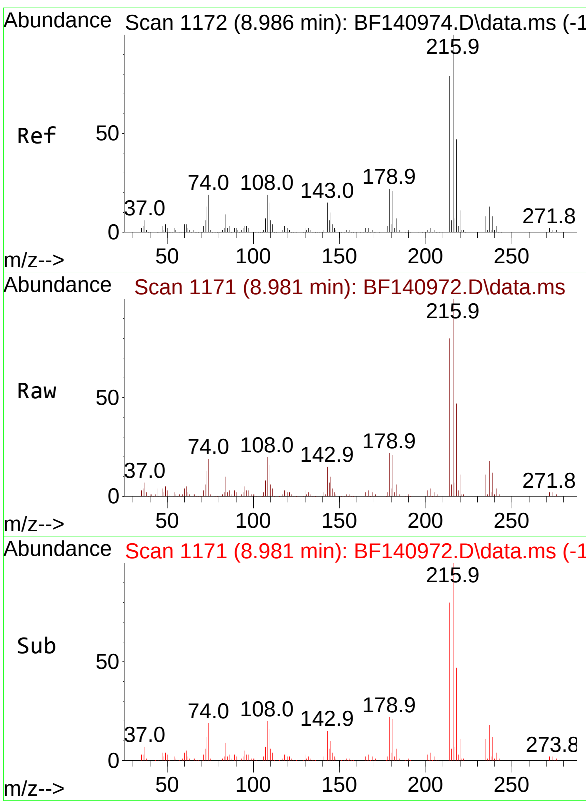


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min   Scan# 1
Delta R.T.   -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024   17:15

Tgt Ion:164 Resp: 539677

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

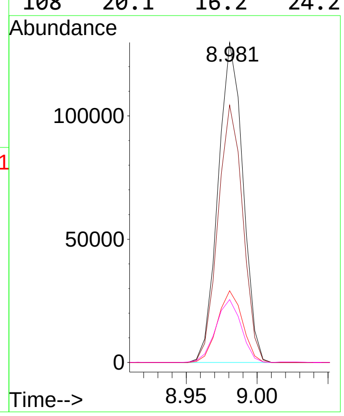




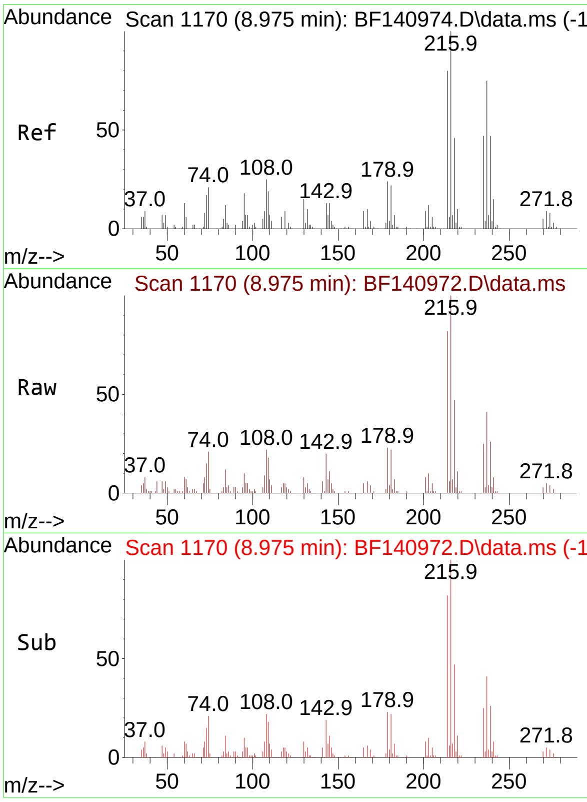
#40
1,2,4,5-Tetrachlorobenzene
Concen: 10.652 ng
RT: 8.981 min   Scan# 1171
Delta R.T.   -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024   17:15

Tgt Ion:216 Resp: 158150

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



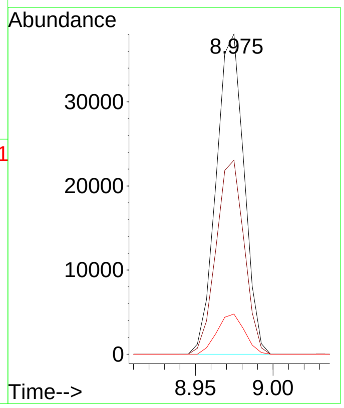
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

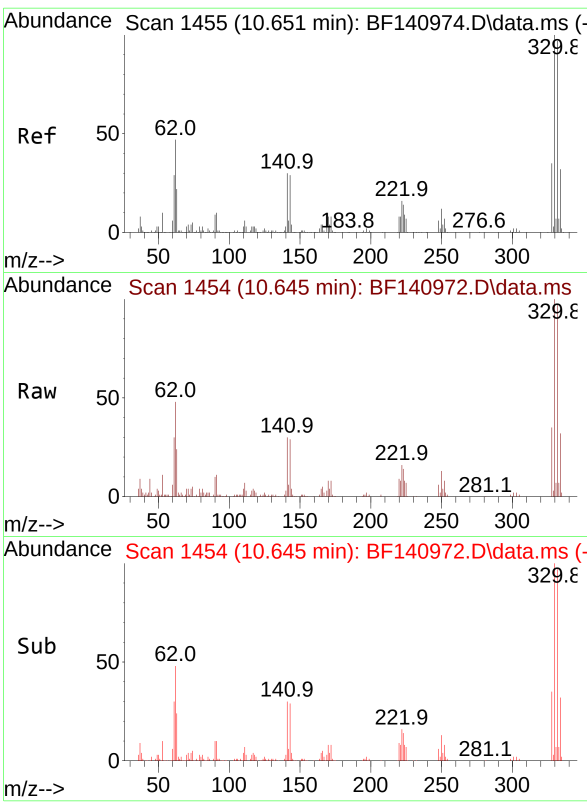


#41
Hexachlorocyclopentadiene
Concen: 9.661 ng
RT: 8.975 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:237 Resp: 47532

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

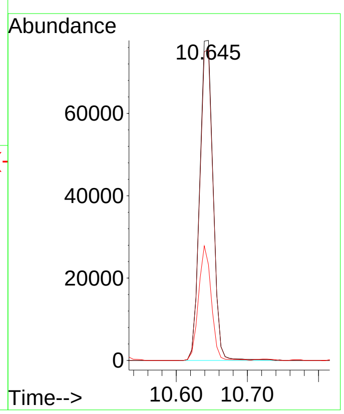




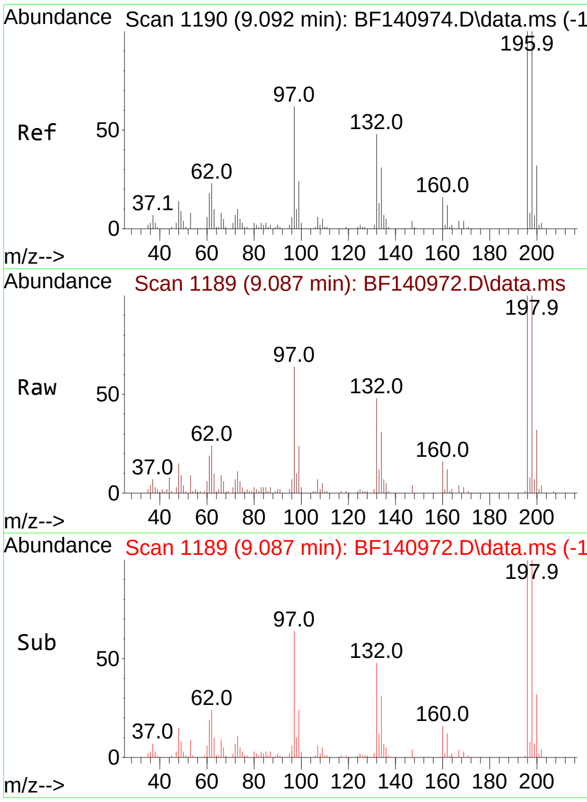
#42
2,4,6-Tribromophenol
Concen: 19.456 ng
RT: 10.645 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:330 Resp: 102029

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



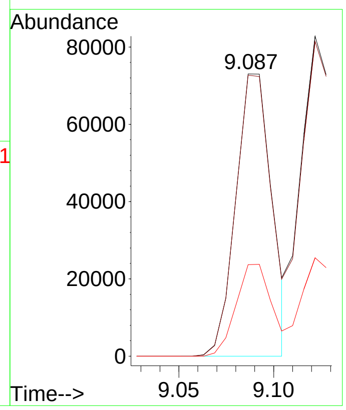
Instrument : BNA_F
ClientSampleId : SSTDICC010

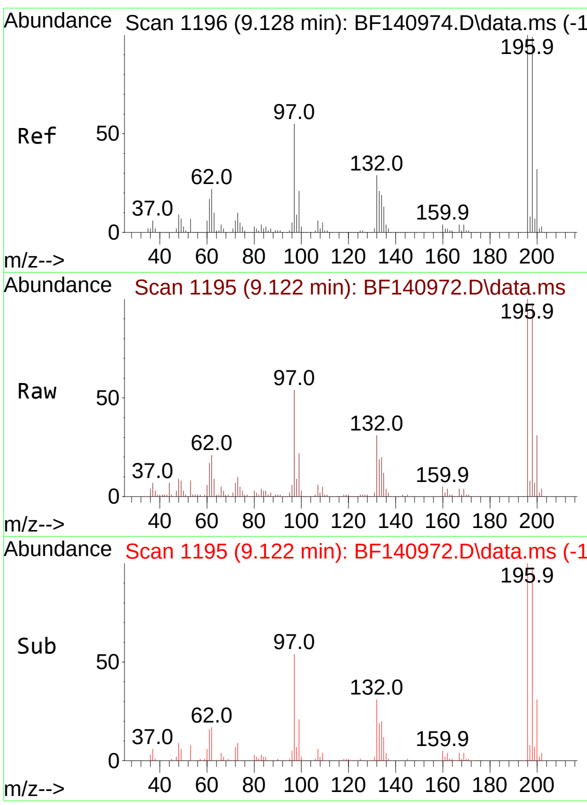


#43
2,4,6-Trichlorophenol
Concen: 9.734 ng
RT: 9.087 min   Scan# 1
Delta R.T.   -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024   17:15

Tgt Ion:196 Resp: 96190

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

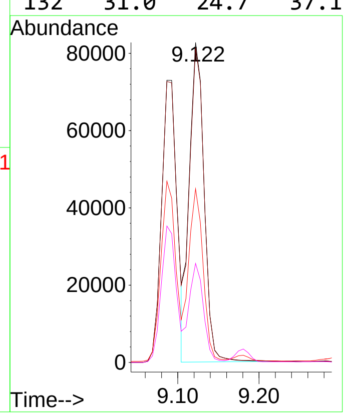




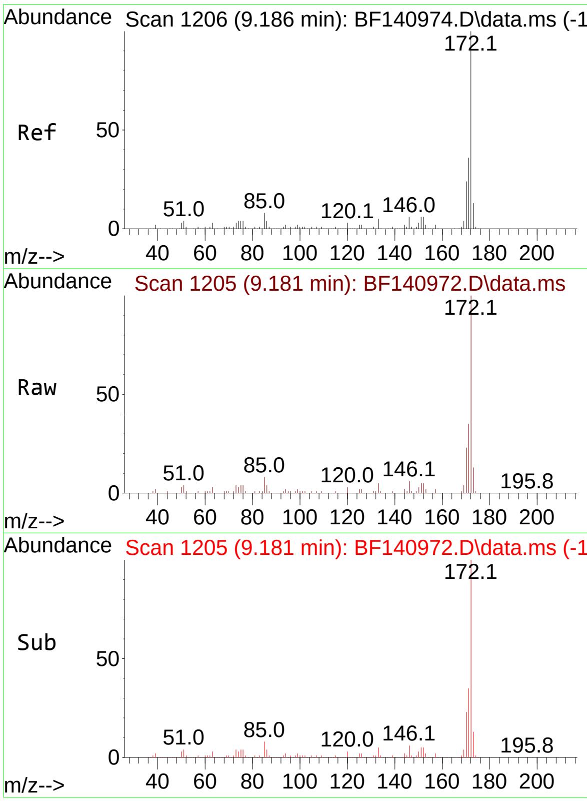
#44
2,4,5-Trichlorophenol
Concen: 10.371 ng
RT: 9.122 min   Scan# 1195
Delta R.T.   -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024   17:15

Tgt Ion:196 Resp: 104859

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



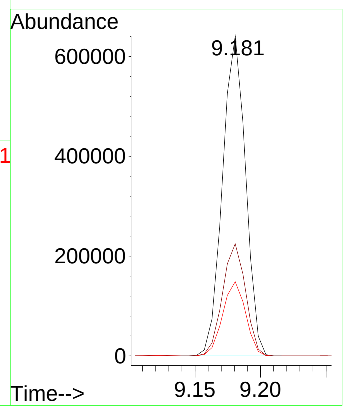
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

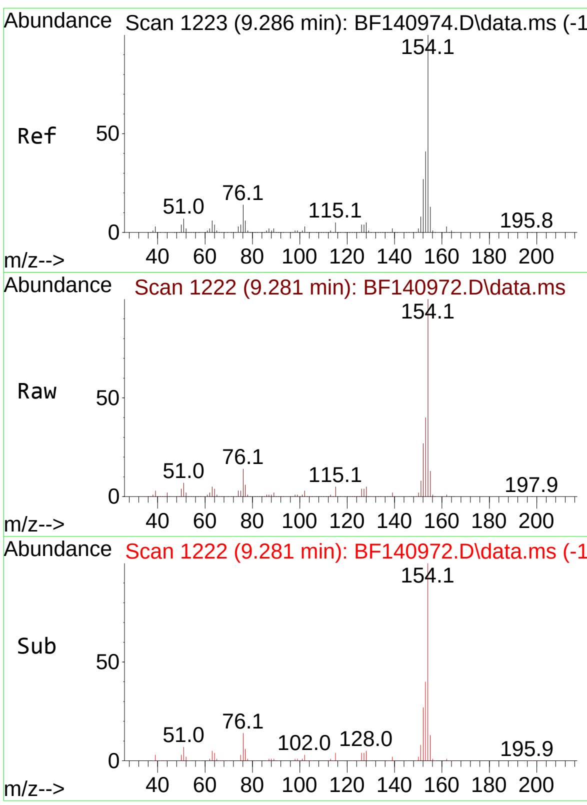


#45
2-Fluorobiphenyl
Concen: 23.128 ng
RT: 9.181 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:172 Resp: 783402

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

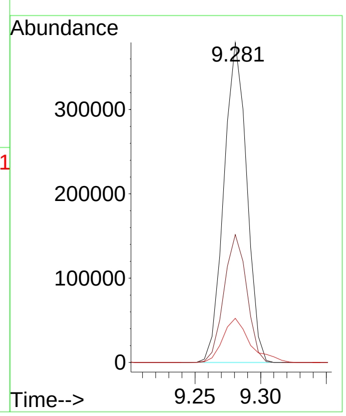




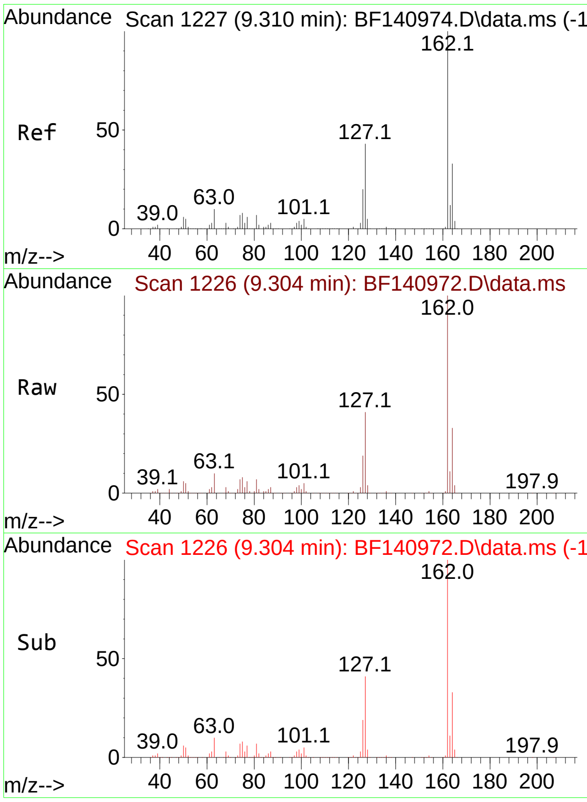
#46
1,1'-Biphenyl
Concen: 11.074 ng
RT: 9.281 min Scan# 1222
Delta R.T. -0.005 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:154 Resp: 457591

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



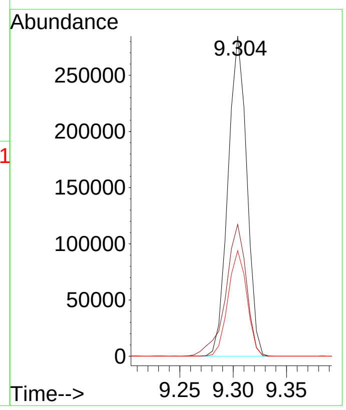
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

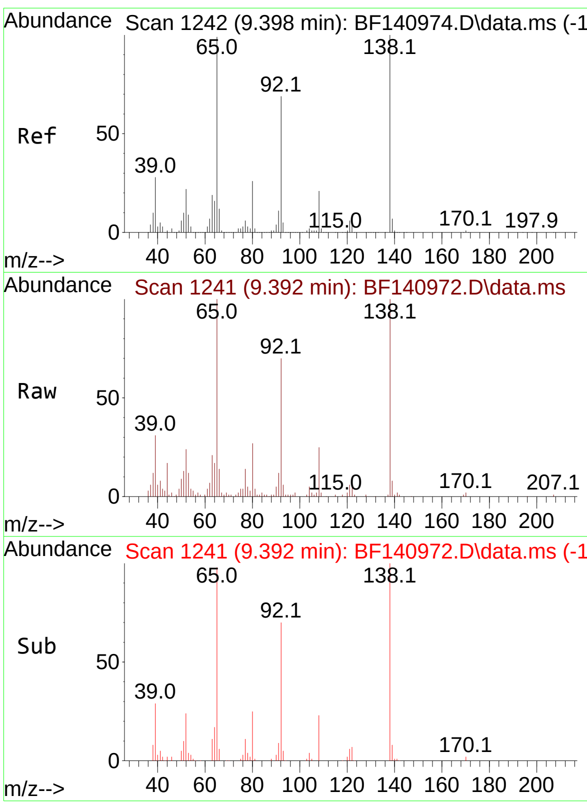


#47
2-Chloronaphthalene
Concen: 10.884 ng
RT: 9.304 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:162 Resp: 348834

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

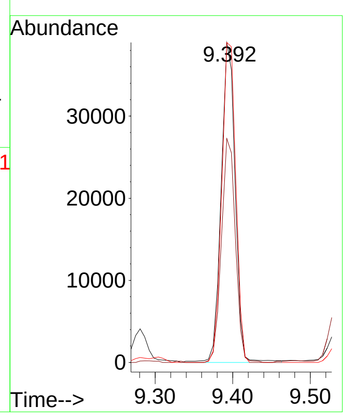




#48
2-Nitroaniline
Concen: 9.938 ng
RT: 9.392 min Scan# 1241
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion: 65 Resp: 49140

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



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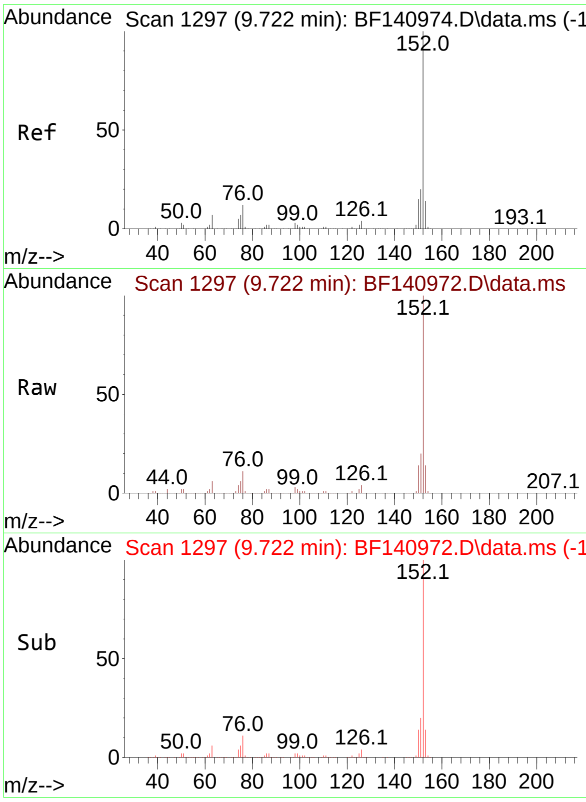
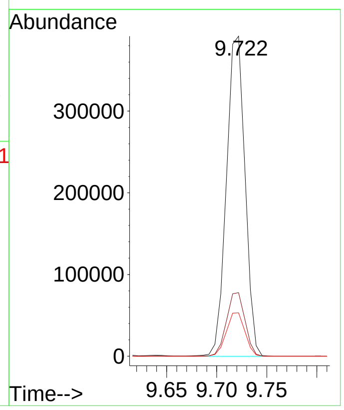


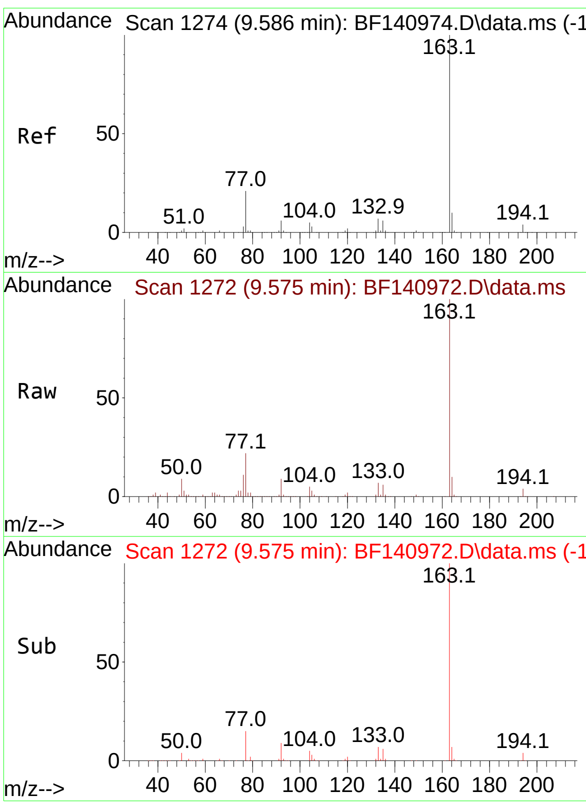
#49
Acenaphthylene
Concen: 10.933 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:152 Resp: 504423

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

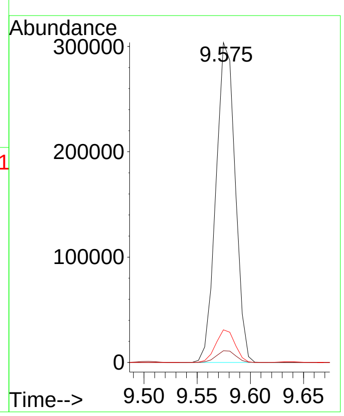




#50
Dimethylphthalate
Concen: 10.746 ng
RT: 9.575 min Scan# 1272
Delta R.T. -0.011 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

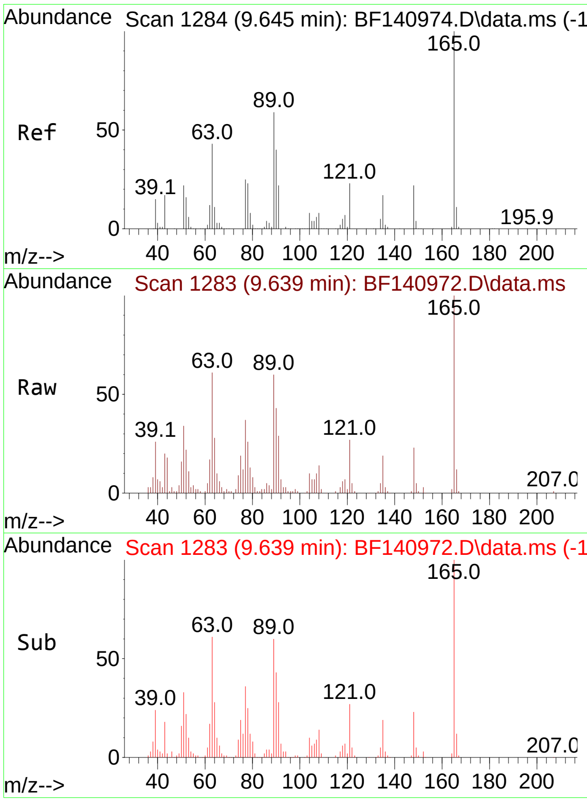
Tgt Ion:163 Resp: 381476

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



ICAL Form

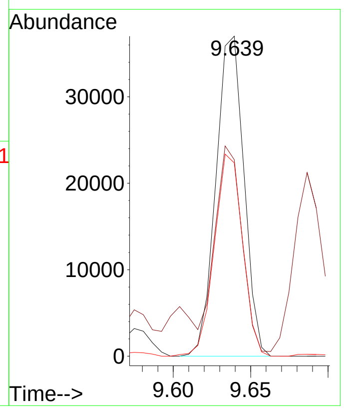
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

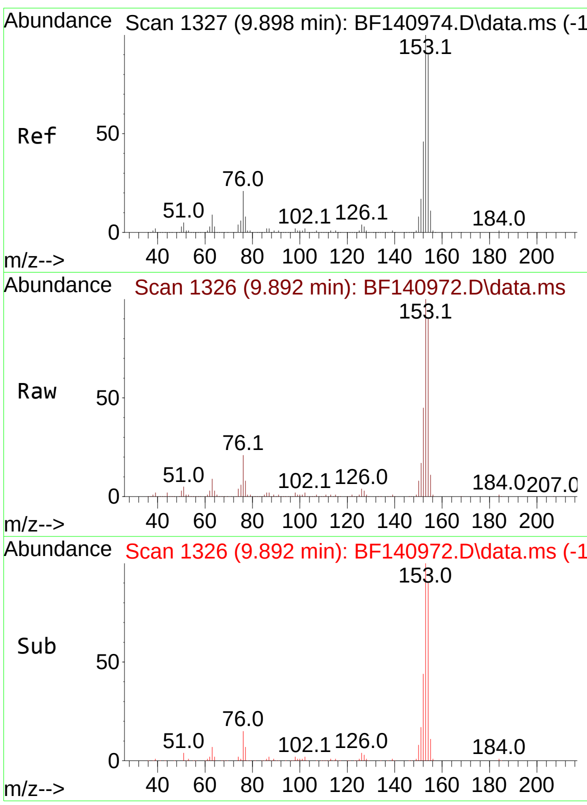


#51
2,6-Dinitrotoluene
Concen: 9.624 ng
RT: 9.639 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:165 Resp: 46772

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

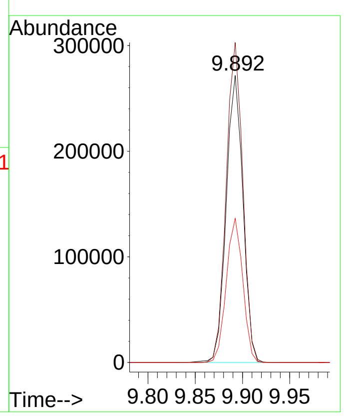




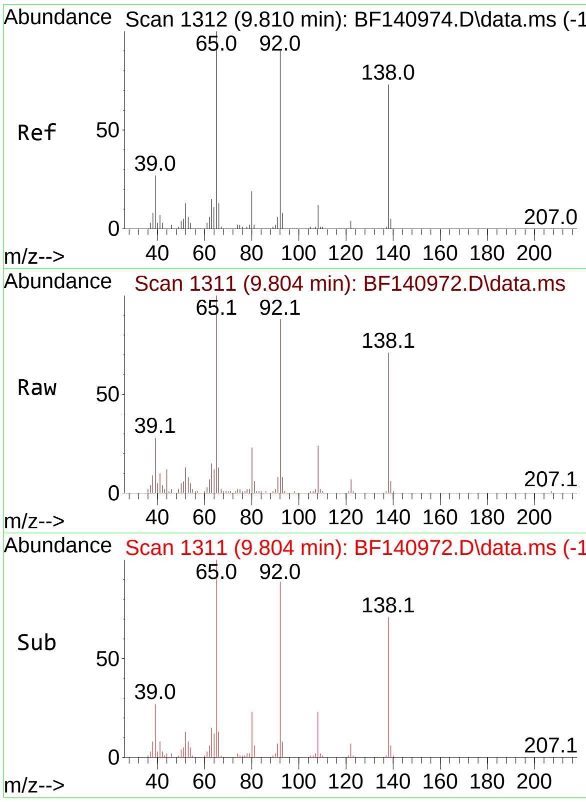
#52
Acenaphthene
Concen: 10.729 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:154 Resp: 334623

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



ICAL Form

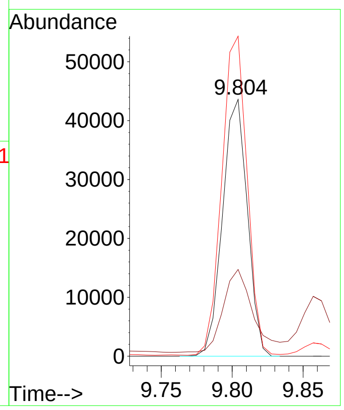


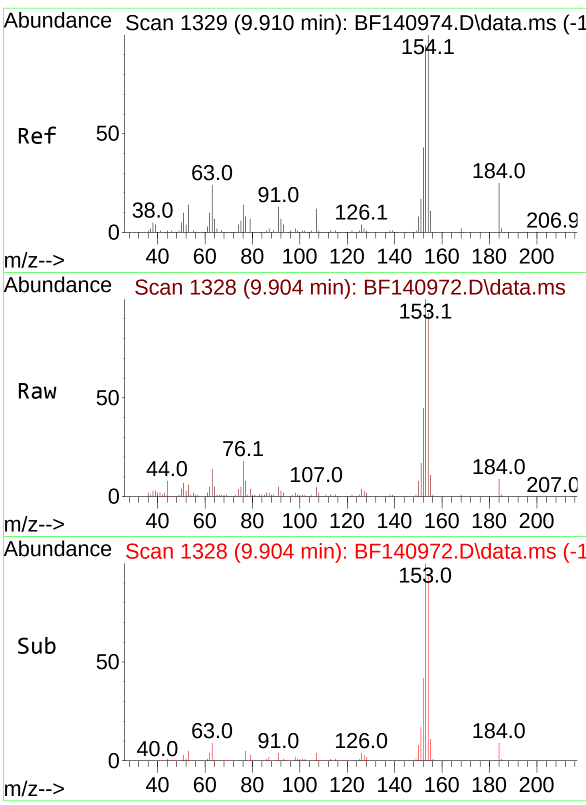
#53
3-Nitroaniline
Concen: 9.568 ng
RT: 9.804 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:138 Resp: 53244

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

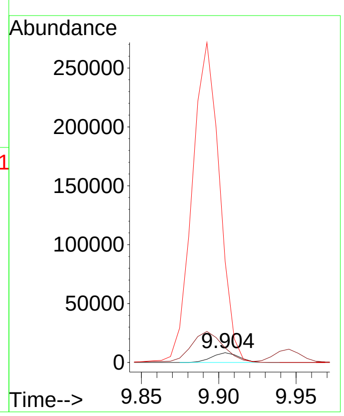




#54
2,4-Dinitrophenol
Concen: 11.150 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

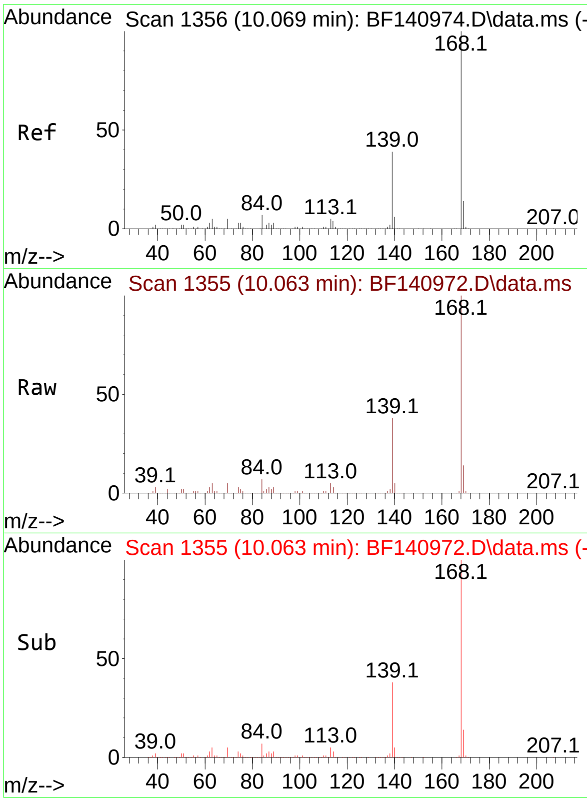
Tgt Ion:184 Resp: 10078

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



ICAL Form

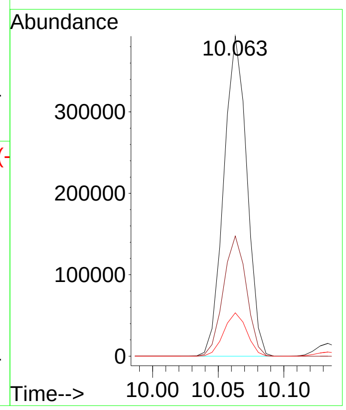
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

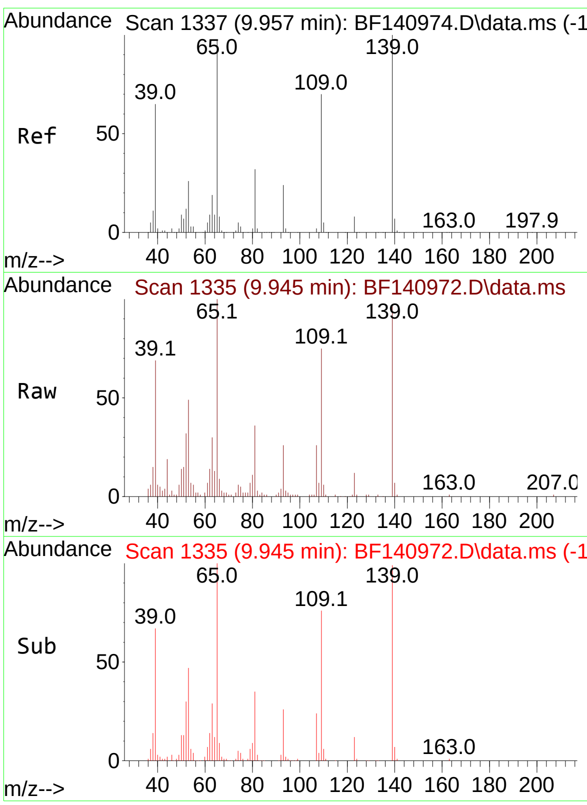


#55
Dibenzofuran
Concen: 10.959 ng
RT: 10.063 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:168 Resp: 480351

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

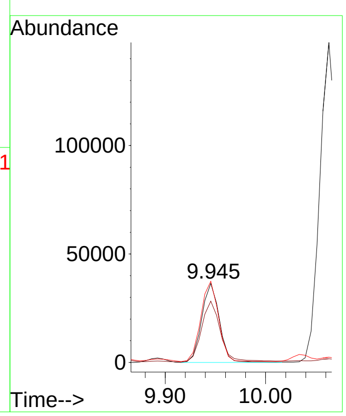




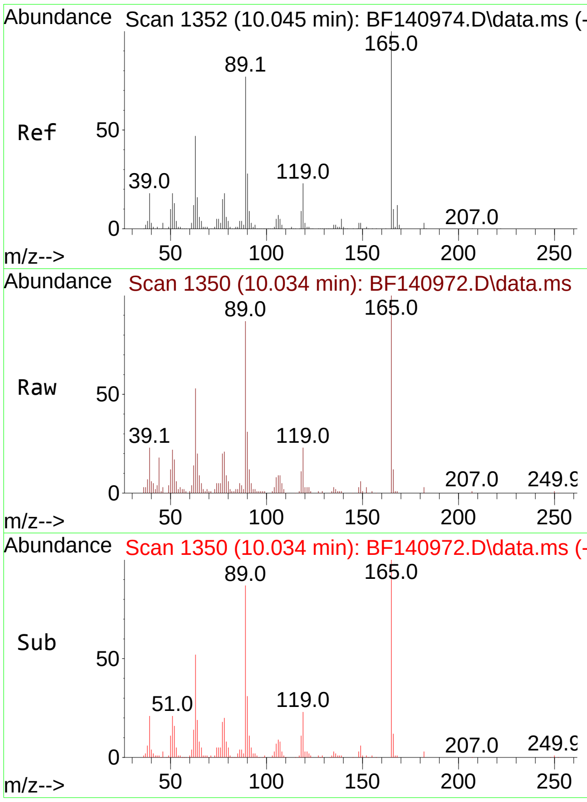
#56
4-Nitrophenol
Concen: 7.370 ng
RT: 9.945 min Scan# 1335
Delta R.T. -0.012 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:139 Resp: 44755

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

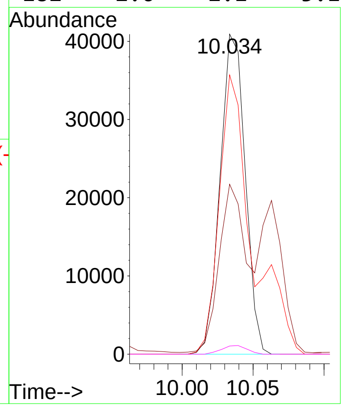


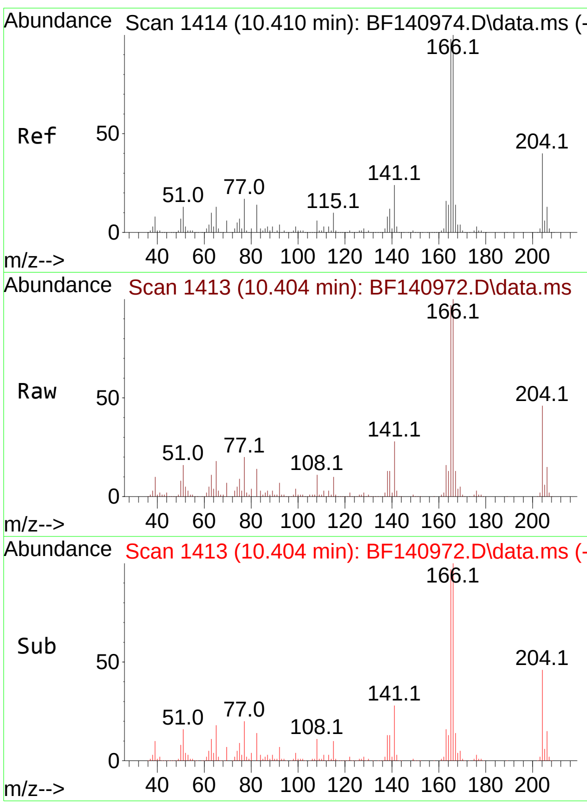
Instrument :
BNA_F
ClientSampleId :
SSTDICC010




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

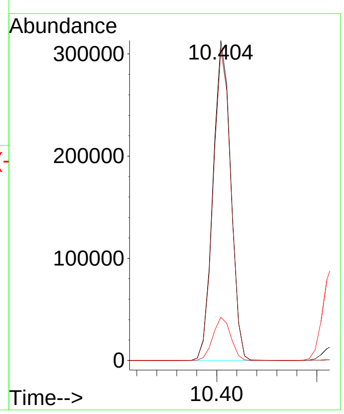
Tgt Ion:165 Resp:   50385
Ion  Ratio  Lower  Upper
165  100
 63   53.1   38.1   57.1
 89   87.3   61.4   92.2
182    2.6    2.1    3.1
```





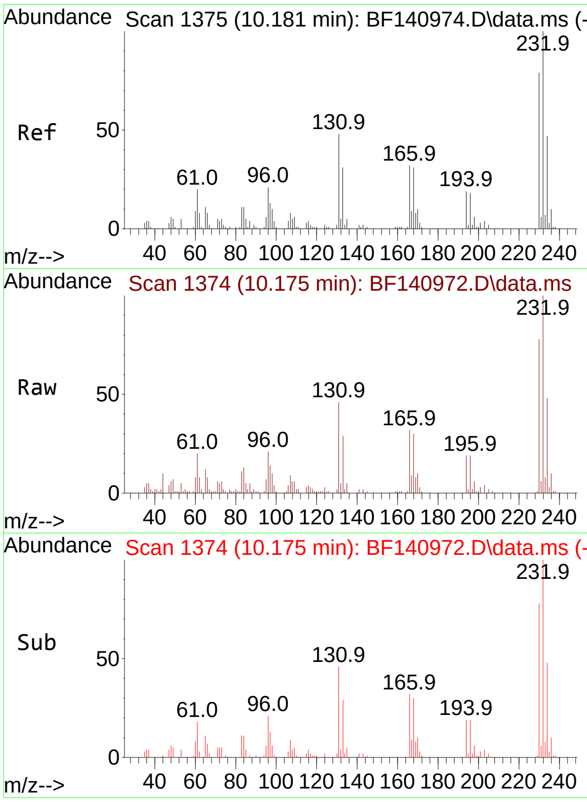

```
#58
Fluorene
Concen:   11.369 ng
RT:  10.404 min  Scan# 1413
Delta R.T.  -0.006 min
Lab File:   BF140972.D
Acq: 26 Dec 2024  17:15

Tgt Ion:166 Resp:  386427
Ion  Ratio  Lower  Upper
166  100
165   97.3   78.3  117.5
167   13.5   10.9   16.3
```



ICAL Form

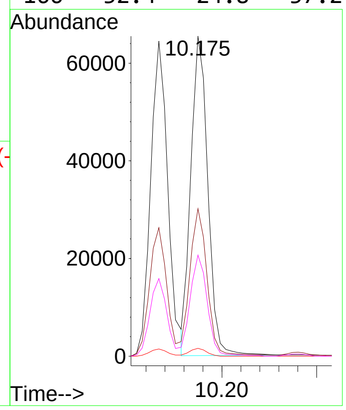
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

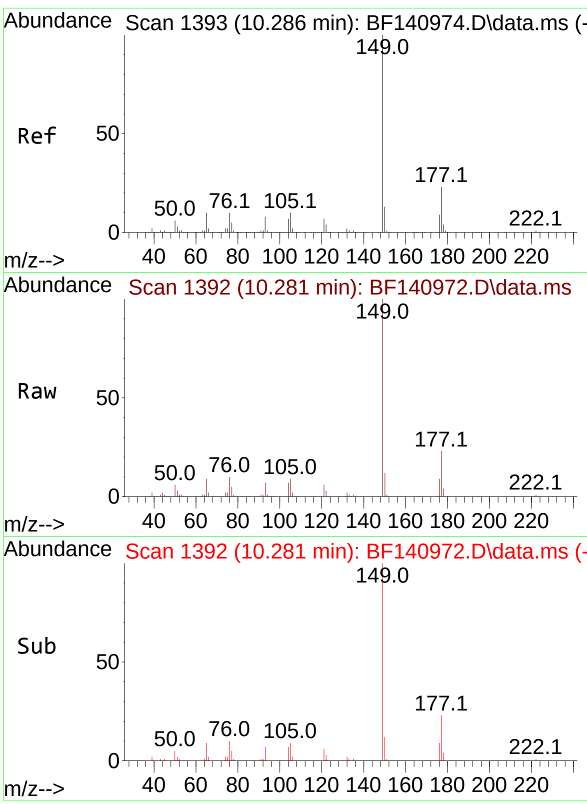


#59
2,3,4,6-Tetrachlorophenol
Concen: 9.765 ng
RT: 10.175 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:232 Resp: 81766

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

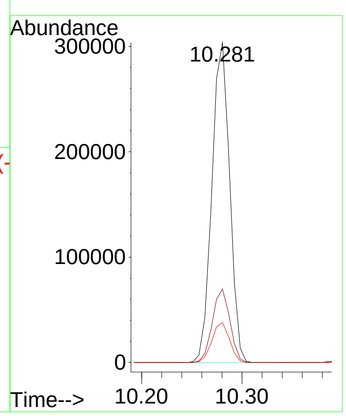




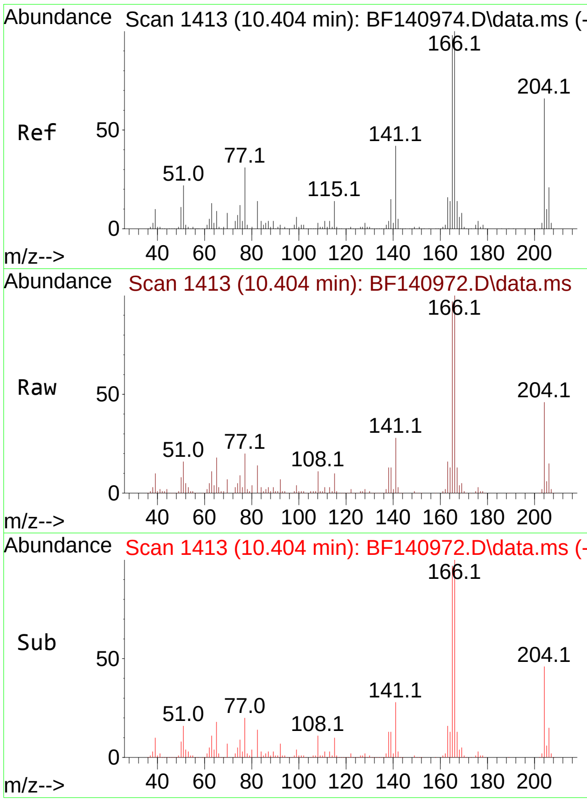
#60
Diethylphthalate
Concen: 10.675 ng
RT: 10.281 min Scan# 1392
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:149 Resp: 374095

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



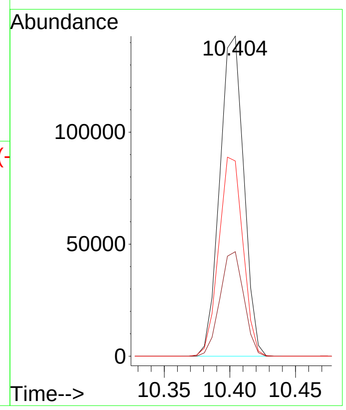
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

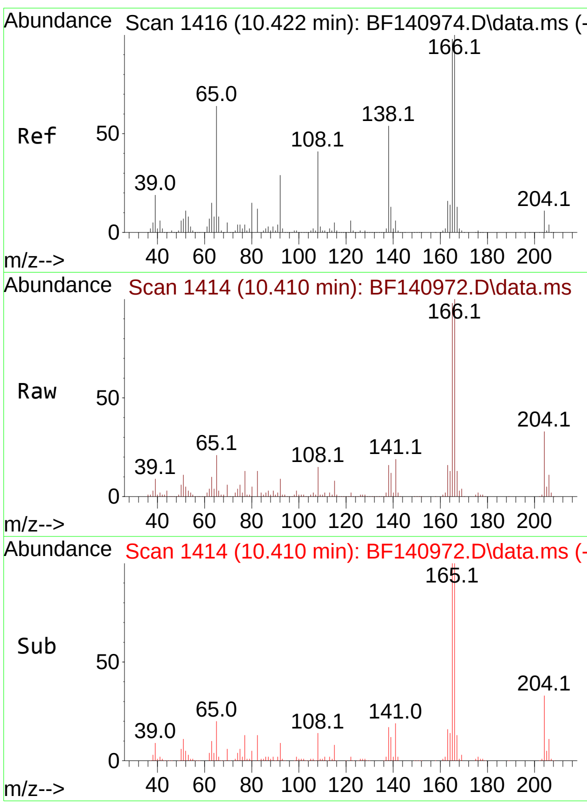


#61
4-Chlorophenyl-phenylether
Concen: 11.109 ng
RT: 10.404 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:204 Resp: 181693

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

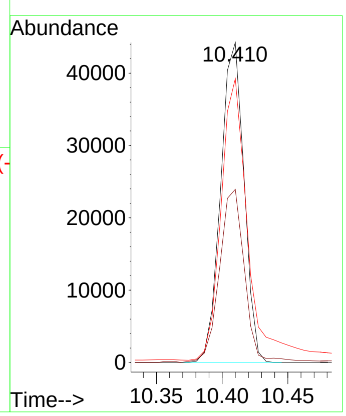




#62
4-Nitroaniline
Concen: 9.821 ng
RT: 10.410 min Scan# 1414
Delta R.T. -0.012 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

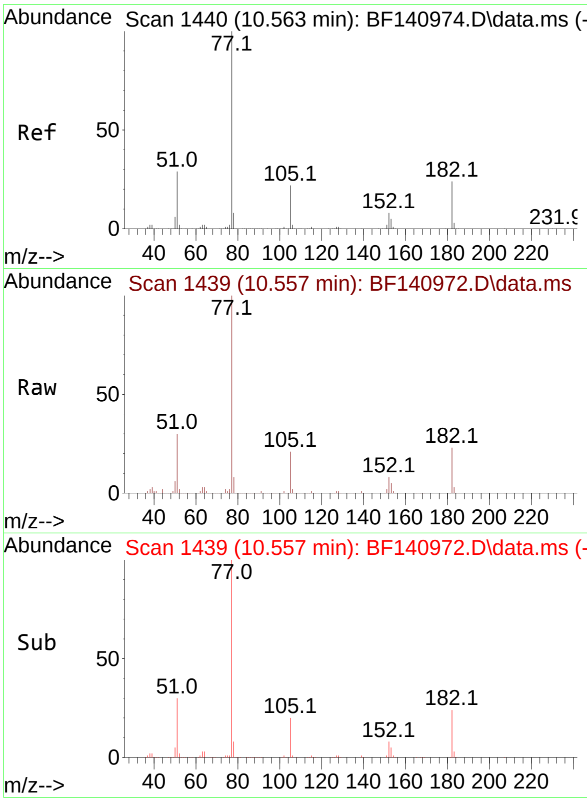
Tgt Ion:138 Resp: 54741

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



ICAL Form

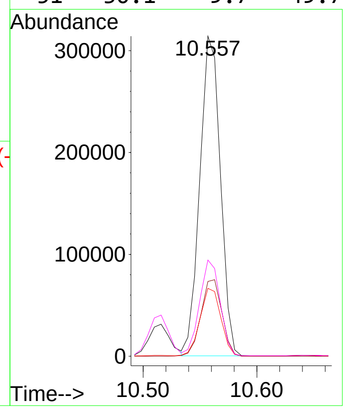
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

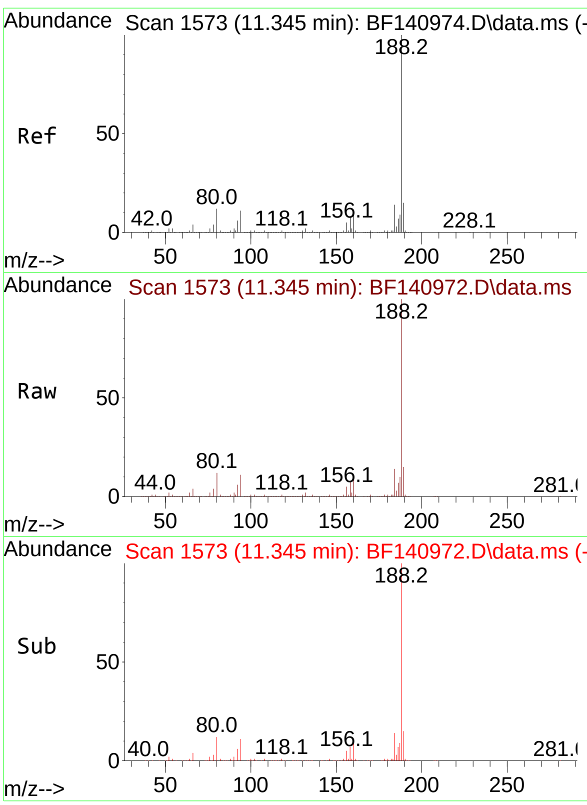


#63
Azobenzene
Concen: 10.749 ng
RT: 10.557 min   Scan# 14
Delta R.T.   -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024   17:15

Tgt Ion: 77 Resp: 395397

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

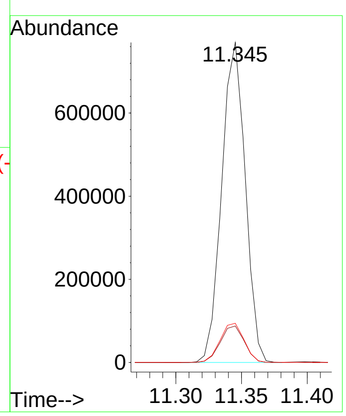




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min   Scan# 1573
Delta R.T.   0.000 min
Lab File: BF140972.D
Acq: 26 Dec 2024   17:15

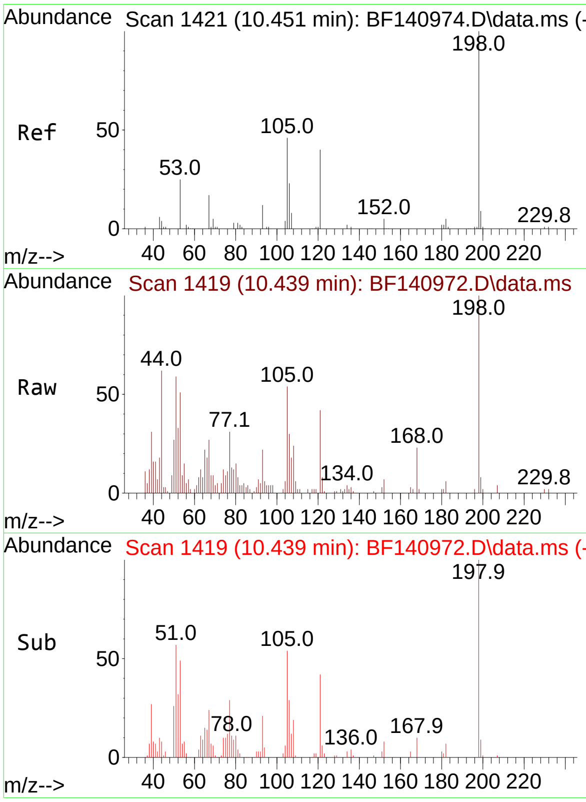
Tgt Ion:188 Resp: 960019

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



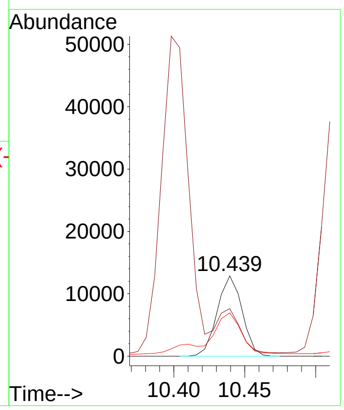
ICAL Form

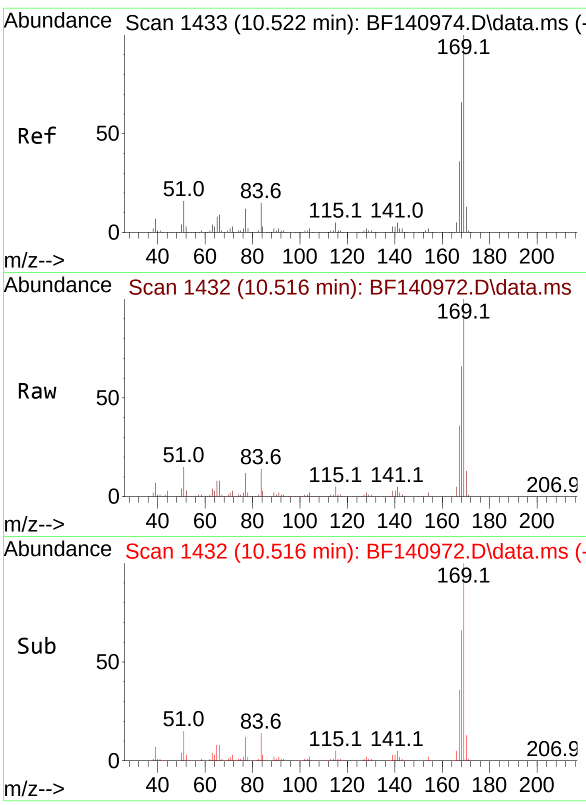
Instrument :
BNA_F
ClientSampleId :
SSTDICC010




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

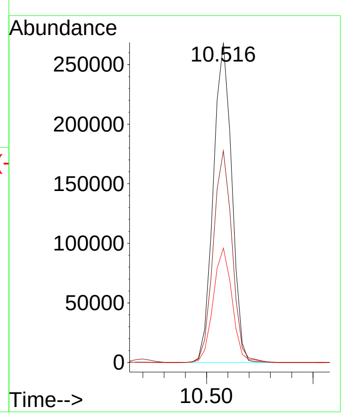
Tgt Ion:198 Resp:   15689
Ion  Ratio  Lower  Upper
198  100
 51   59.0   32.3   72.3
105   54.0   28.4   68.4
```



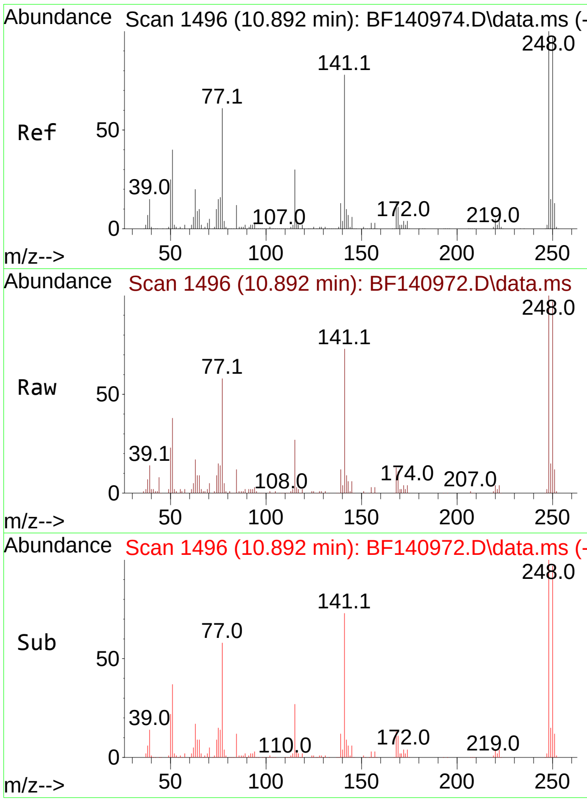



```
#66
n-Nitrosodiphenylamine
Concen:   10.725 ng
RT:  10.516 min  Scan# 1432
Delta R.T.  -0.006 min
Lab File:   BF140972.D
Acq: 26 Dec 2024  17:15

Tgt Ion:169 Resp:  324220
Ion  Ratio  Lower  Upper
169  100
168   66.2   52.6   79.0
167   35.8   29.0   43.4
```



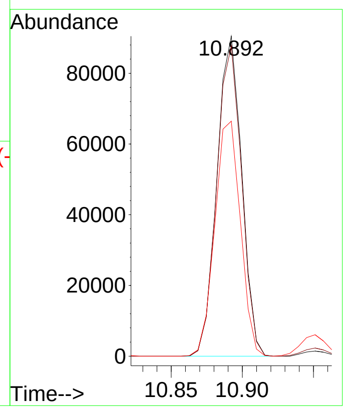
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

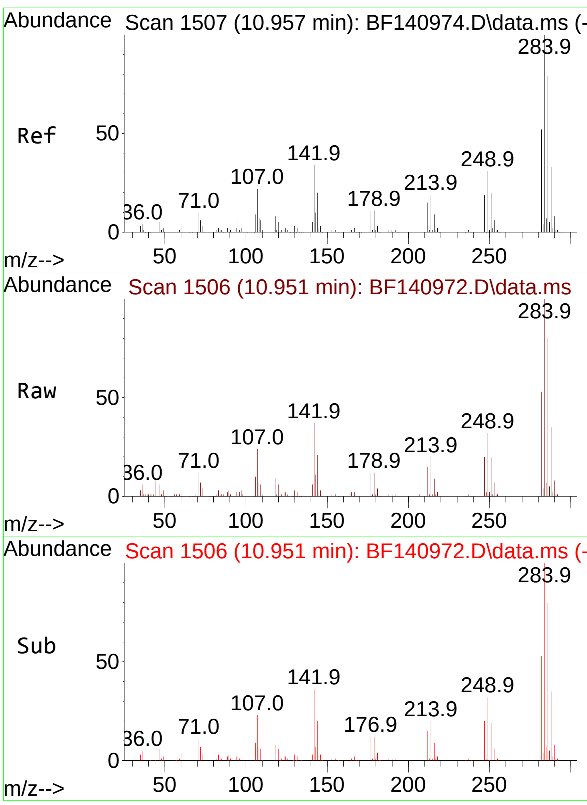


#67
4-Bromophenyl-phenylether
Concen: 10.604 ng
RT: 10.892 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:248 Resp: 110052

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

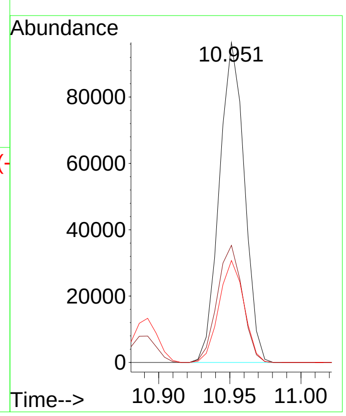




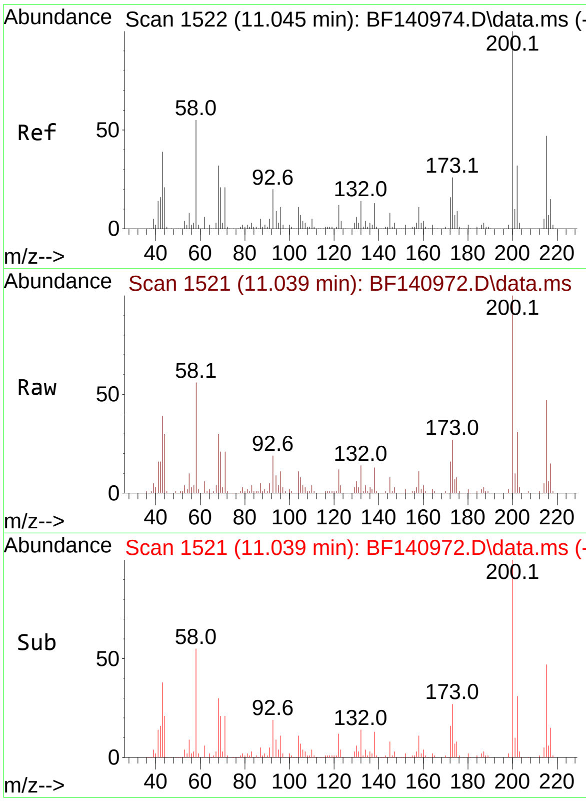
#68
Hexachlorobenzene
Concen: 10.343 ng
RT: 10.951 min Scan# 1506
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:284 Resp: 118361

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



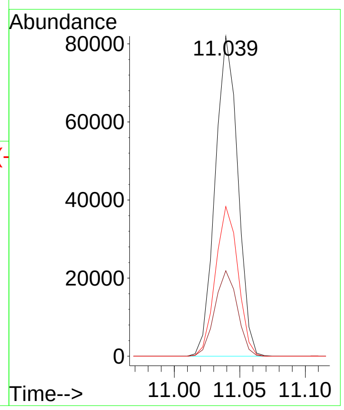
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

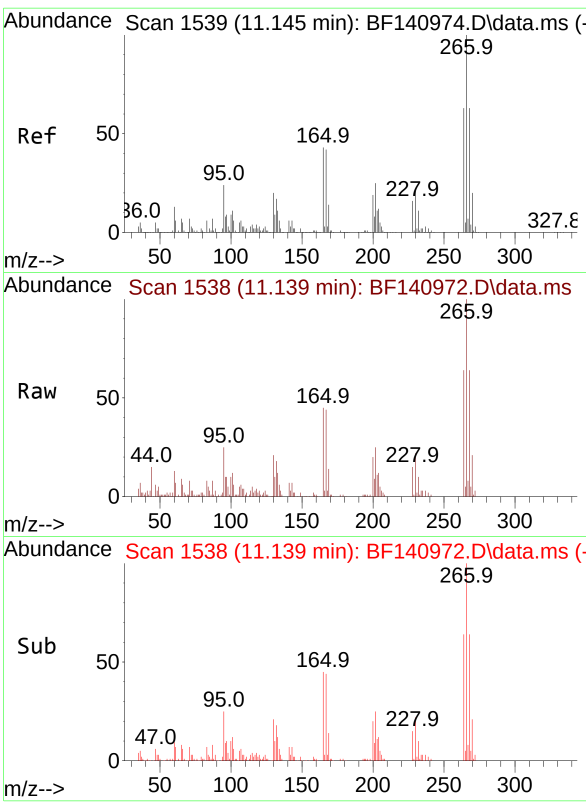


#69
Atrazine
Concen: 11.639 ng
RT: 11.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:200 Resp: 98299

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

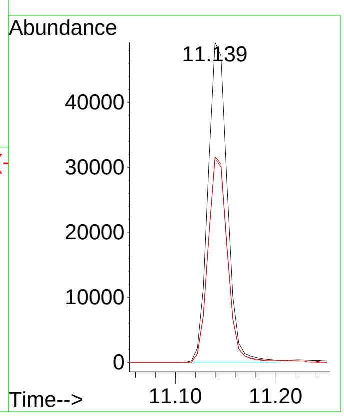




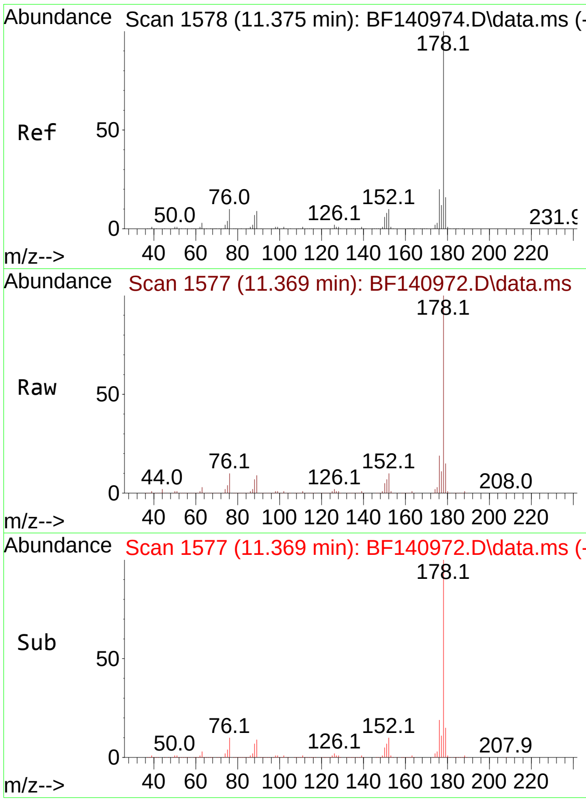
#70
Pentachlorophenol
Concen: 9.254 ng
RT: 11.139 min Scan# 1538
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:266 Resp: 65934

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



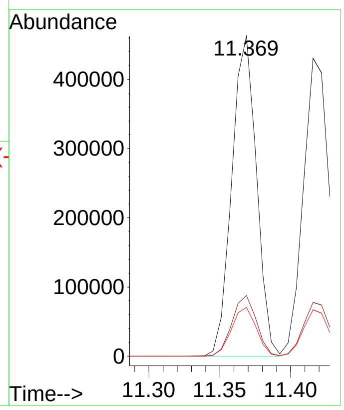
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

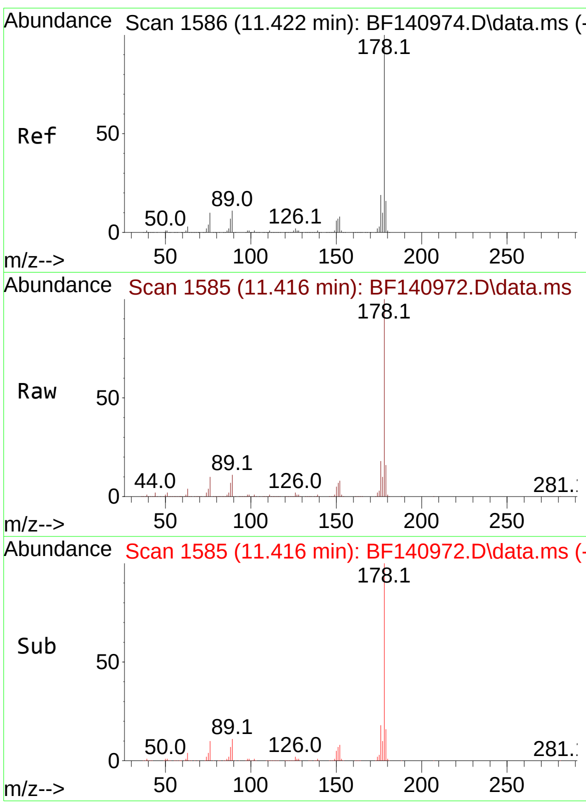


#71
Phenanthrene
Concen: 11.091 ng
RT: 11.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:178 Resp: 560414

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

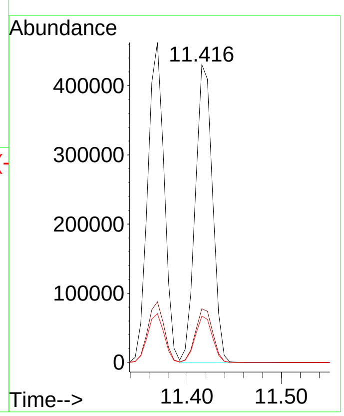




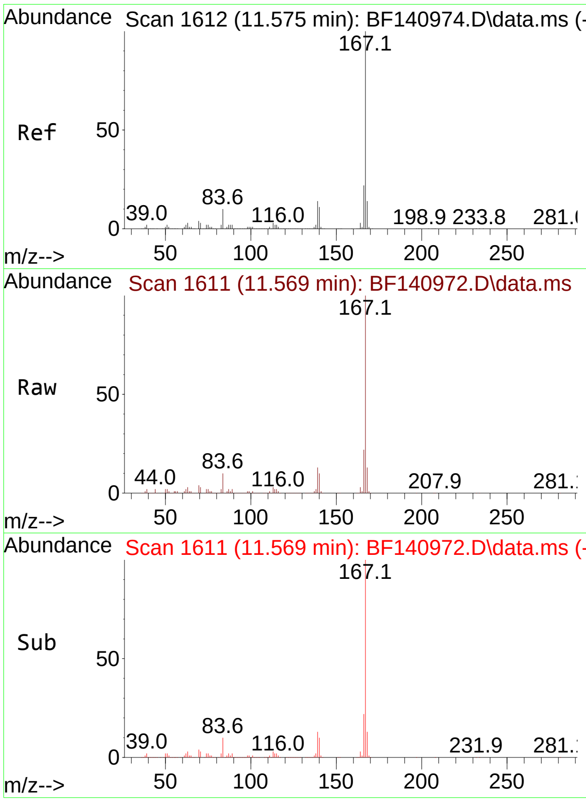
#72
Anthracene
Concen: 11.016 ng
RT: 11.416 min Scan# 1585
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:178 Resp: 545401

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



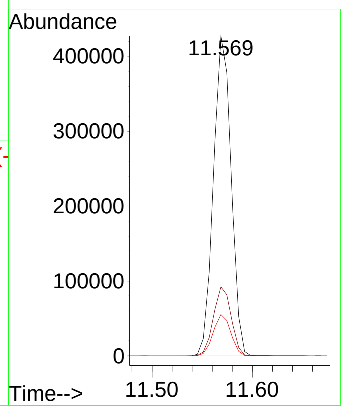
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

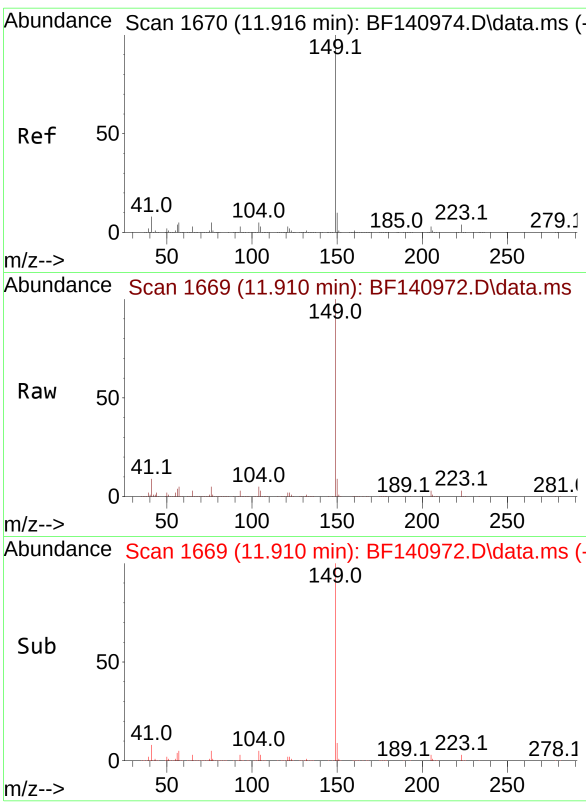


#73
Carbazole
Concen: 11.028 ng
RT: 11.569 min   Scan# 1(
Delta R.T.   -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024   17:15

Tgt Ion:167 Resp: 524879

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

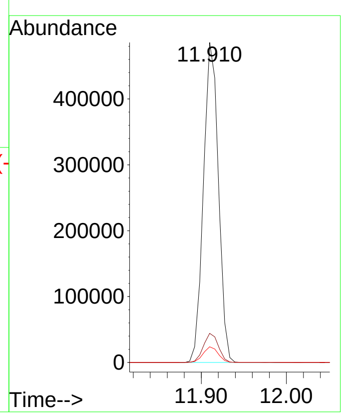




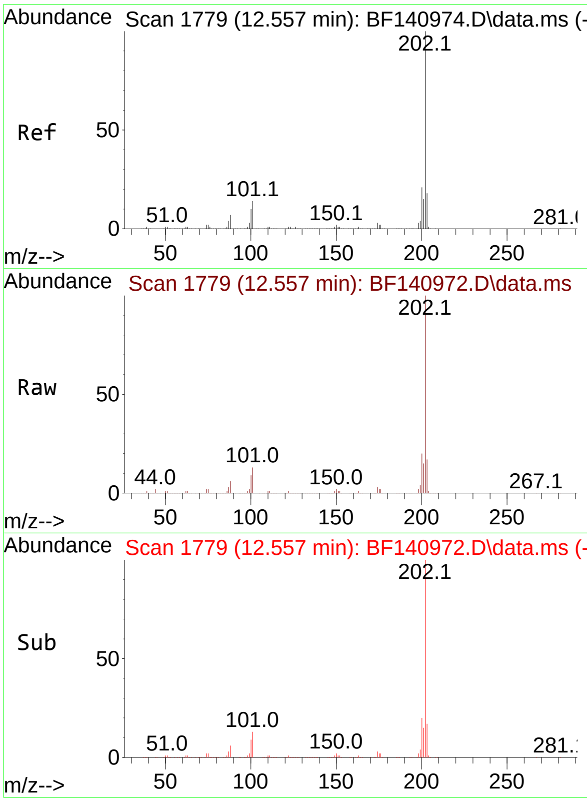
#74
Di-n-butylphthalate
Concen: 10.981 ng
RT: 11.910 min   Scan# 1669
Delta R.T.   -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024   17:15

Tgt Ion:149 Resp: 594457

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

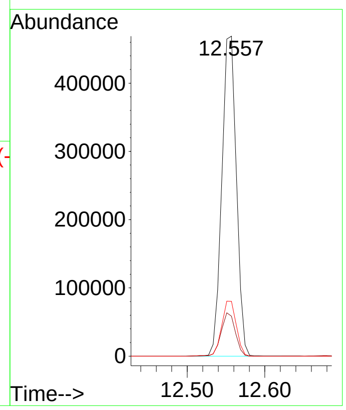


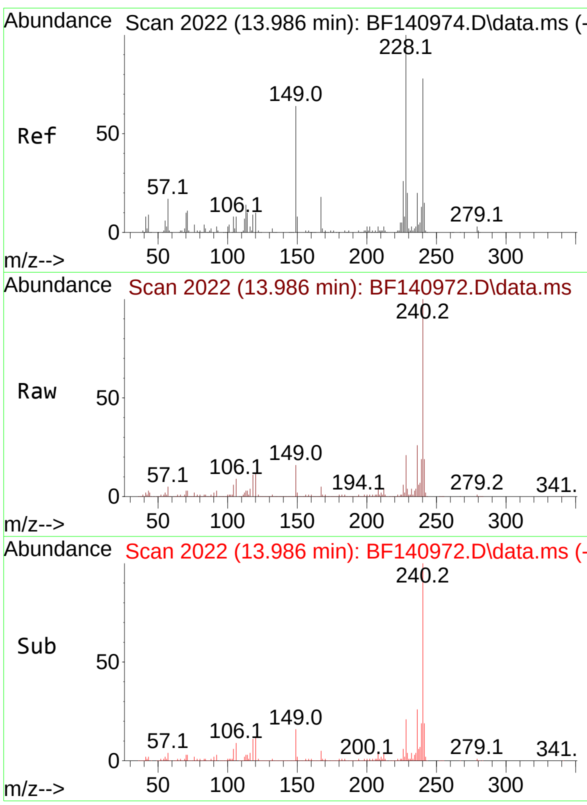
Instrument : BNA_F
ClientSampleId : SSTDICC010




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

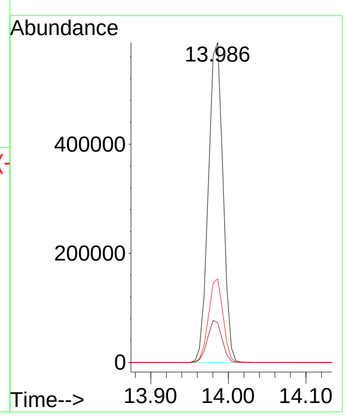
Tgt Ion:202 Resp:  611729
Ion  Ratio  Lower  Upper
202  100
101   12.5    0.0   33.7
203   17.1    0.0   38.1
```






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

Tgt Ion:240 Resp:  769052
Ion  Ratio  Lower  Upper
240  100
120   12.4   10.7   16.1
236   26.1   20.6   31.0
```



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Instrument :
BNA_F
ClientSampleId :
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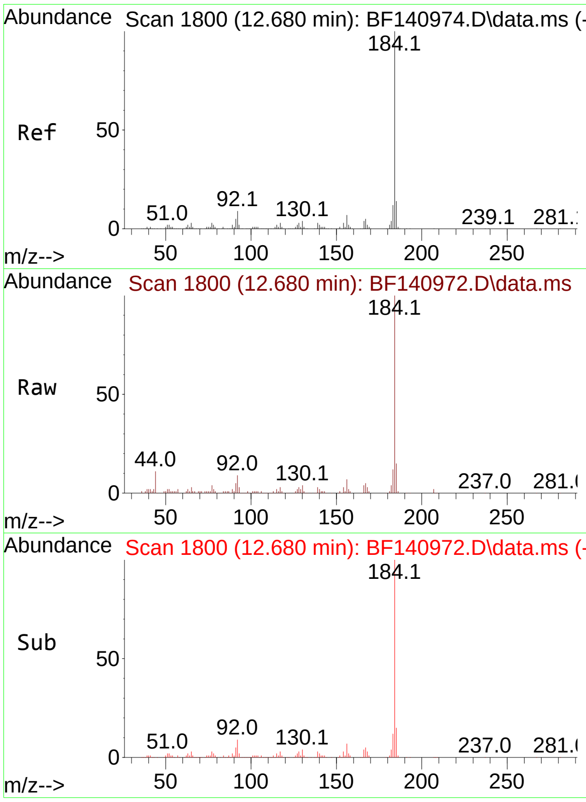
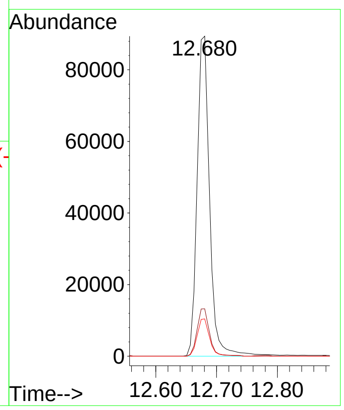
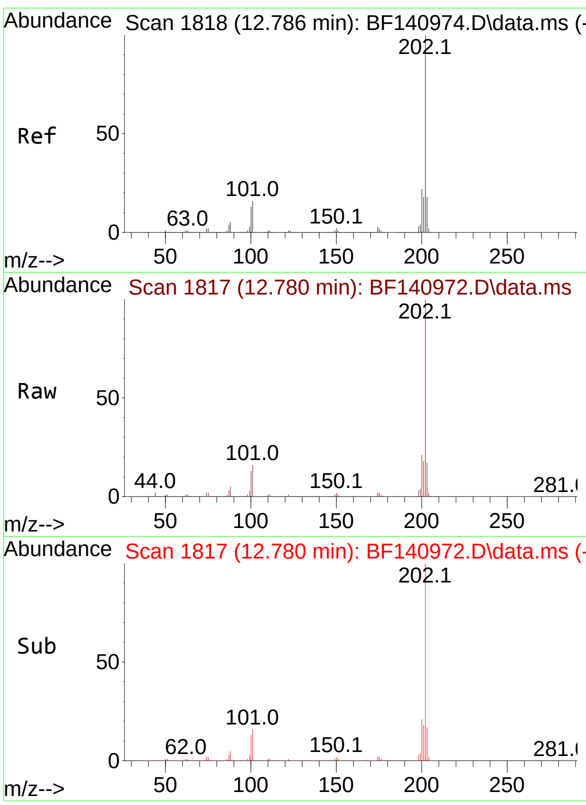


#77
Benzidine
Concen: 7.873 ng
RT: 12.680 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:184 Resp: 127969

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

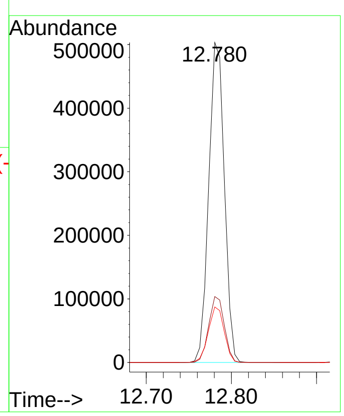




#78
Pyrene
Concen: 9.549 ng
RT: 12.780 min Scan# 1817
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

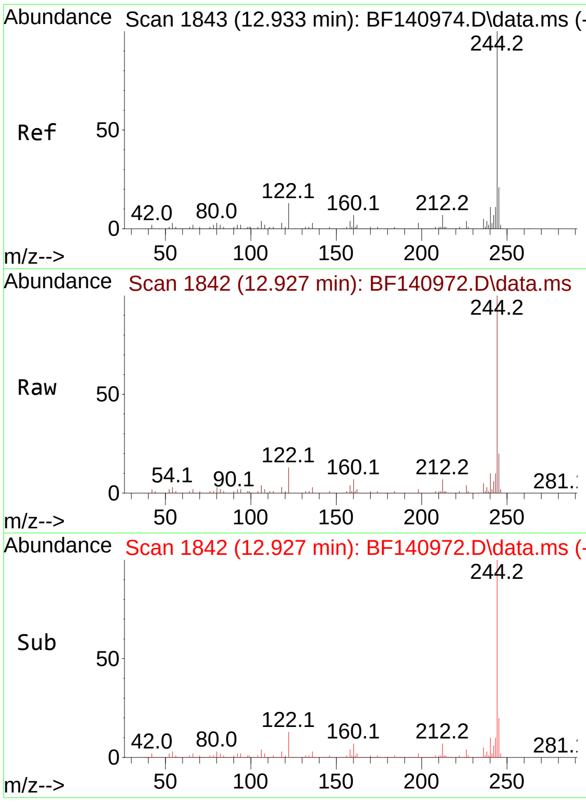
Tgt Ion:202 Resp: 642229

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



ICAL Form

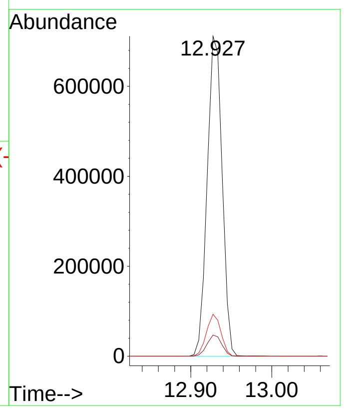
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

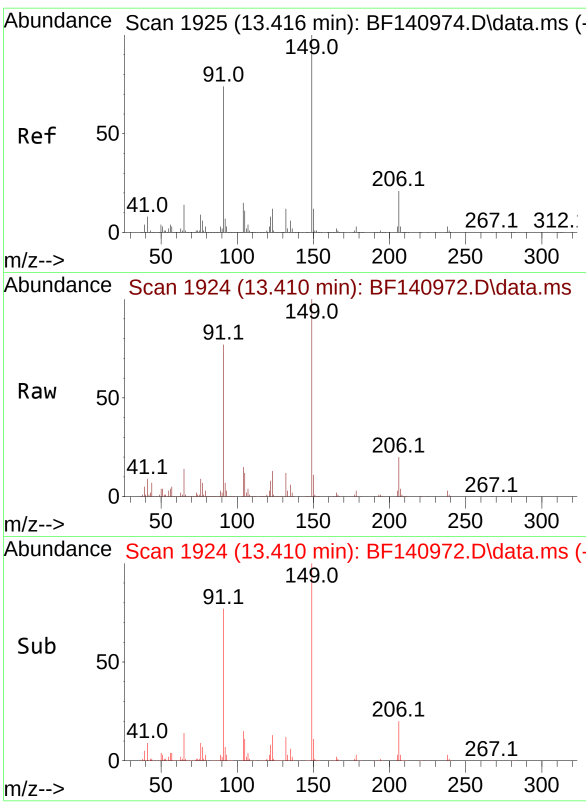


#79
Terphenyl-d14
Concen: 19.616 ng
RT: 12.927 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:244 Resp: 908253

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

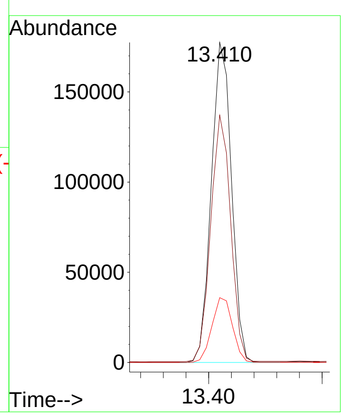




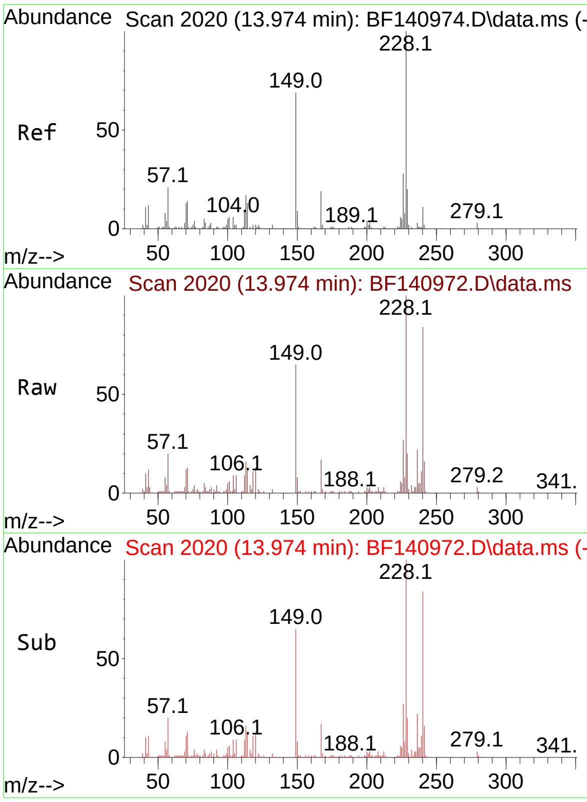
#80
Butylbenzylphthalate
Concen: 8.939 ng
RT: 13.410 min Scan# 1924
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:149 Resp: 219532

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



ICAL Form

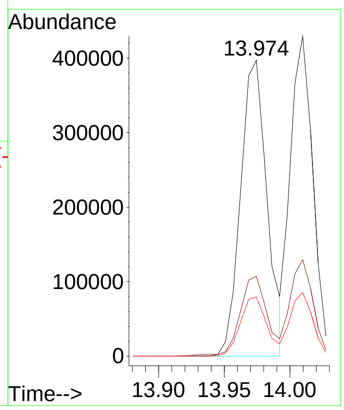


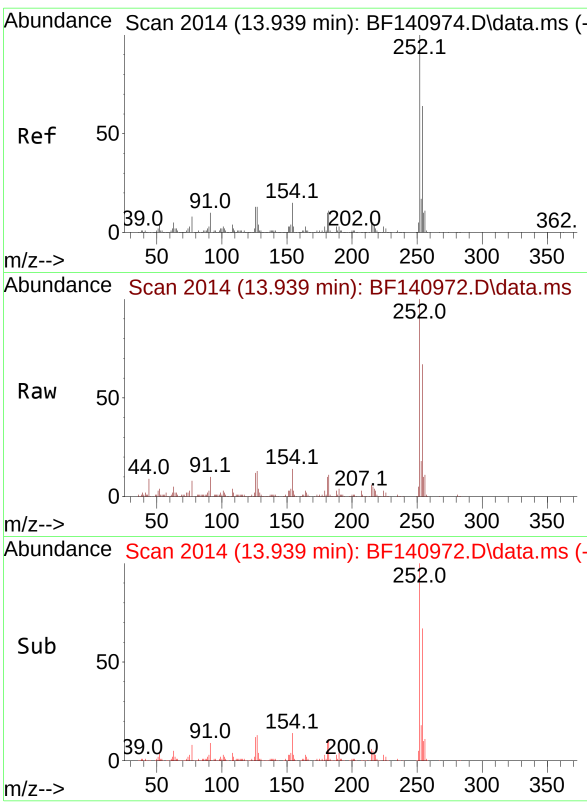
#81
Benzo(a)anthracene
Concen: 10.419 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Instrument :
BNA_F
ClientSampleId :
SSTDICC010

Tgt Ion:228 Resp: 558462

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

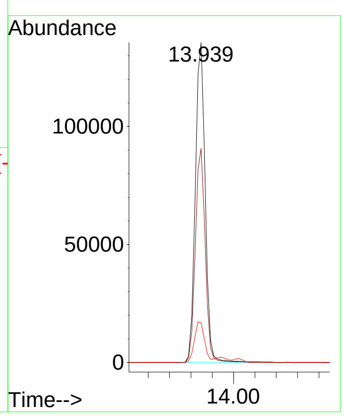




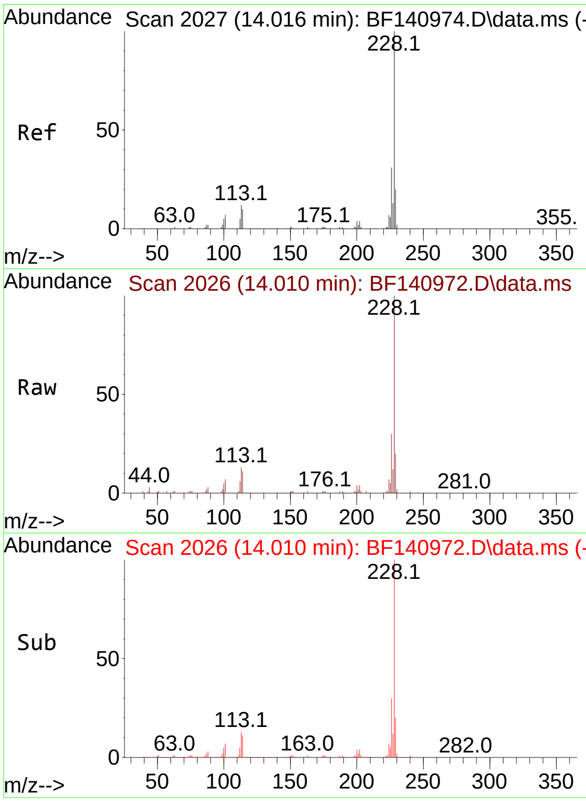
#82
3,3'-Dichlorobenzidine
Concen: 10.857 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:252 Resp: 174840

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



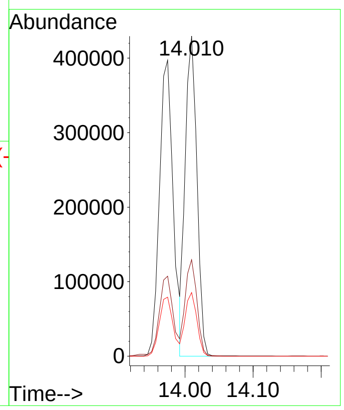
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

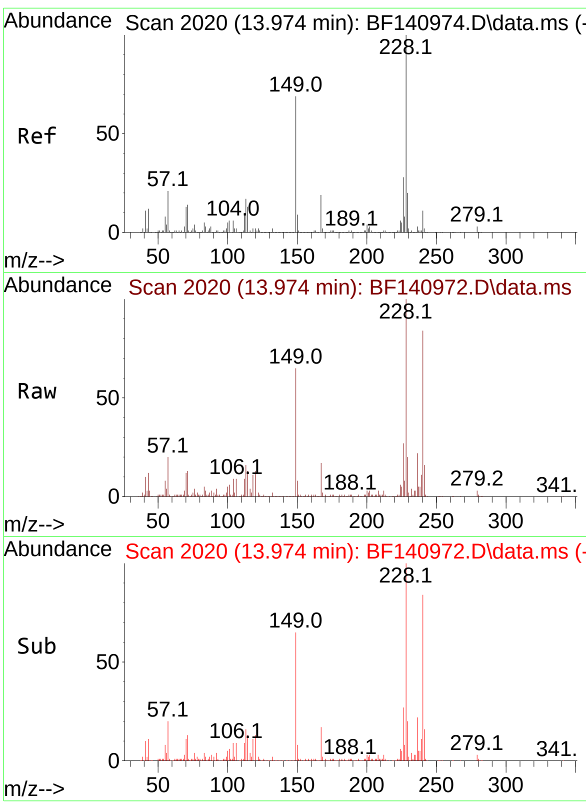


#83
Chrysene
Concen: 10.587 ng
RT: 14.010 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:228 Resp: 511519

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

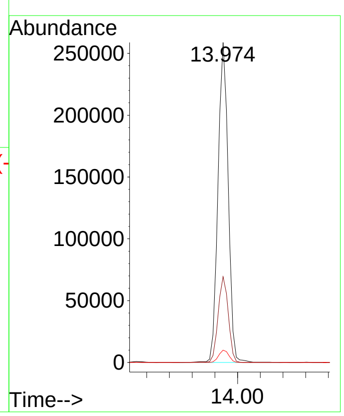




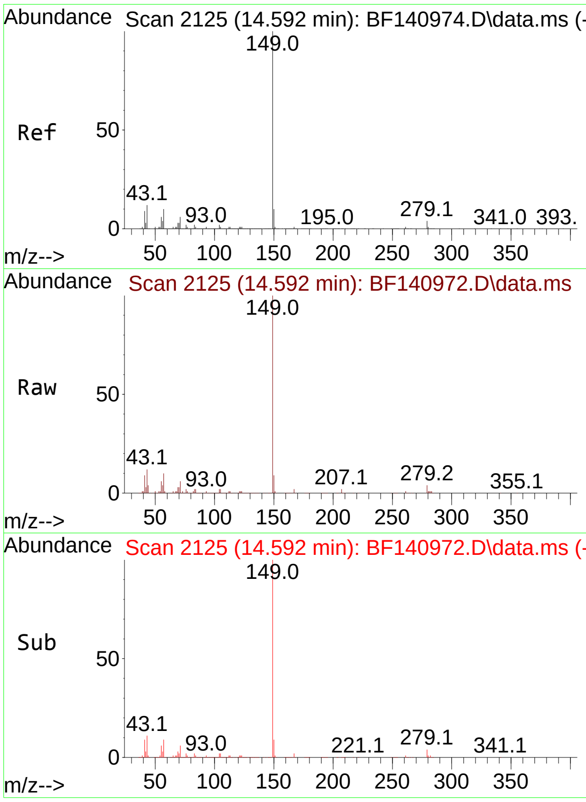
#84
Bis(2-ethylhexyl)phthalate
Concen: 10.159 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:149 Resp: 323647

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



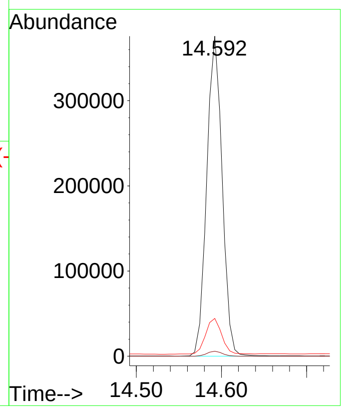
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

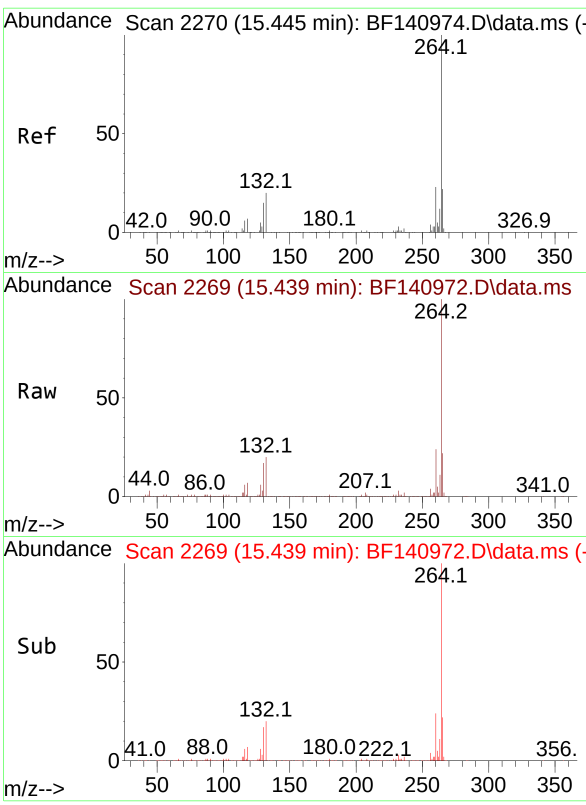


#85
Di-n-octyl phthalate
Concen: 10.269 ng
RT: 14.592 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:149 Resp: 473516

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

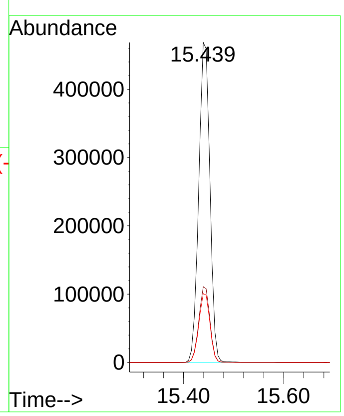




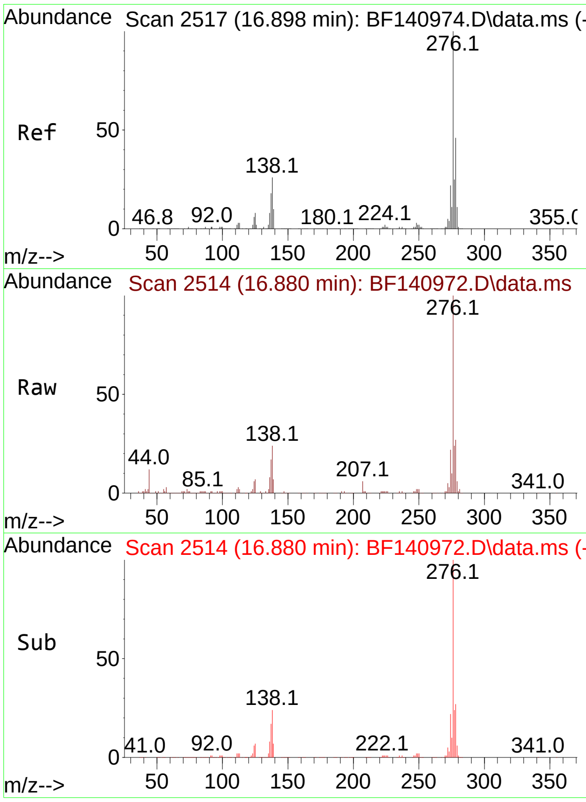
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:264 Resp: 725753

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



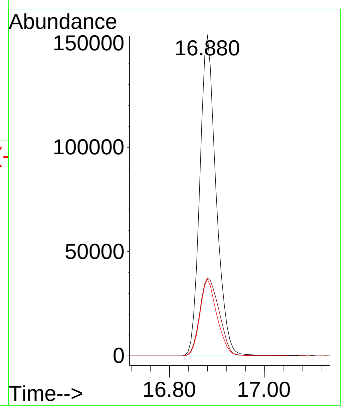
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

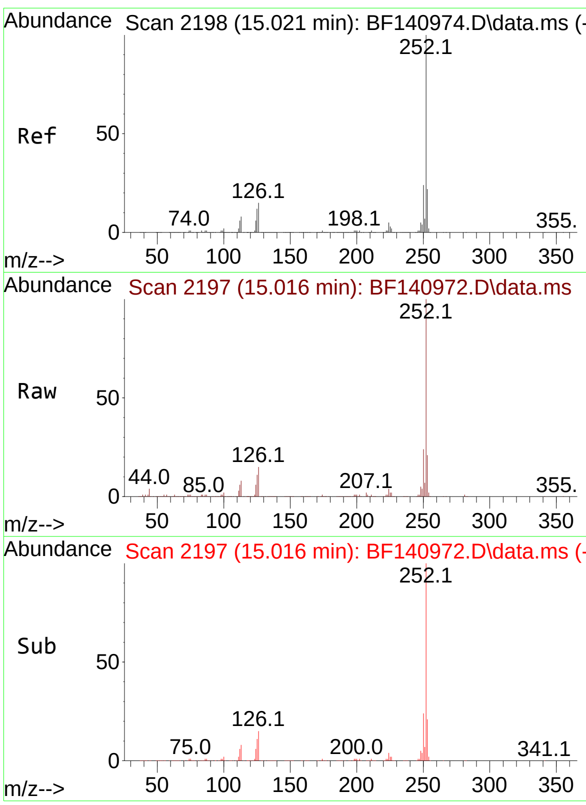


#87
Indeno(1,2,3-cd)pyrene
Concen: 8.004 ng
RT: 16.880 min Scan# 2
Delta R.T. -0.018 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:276 Resp: 365994

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

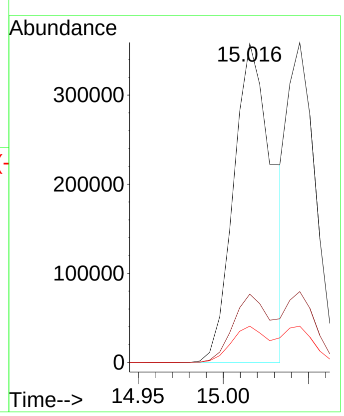




#88
Benzo(b)fluoranthene
Concen: 11.213 ng
RT: 15.016 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

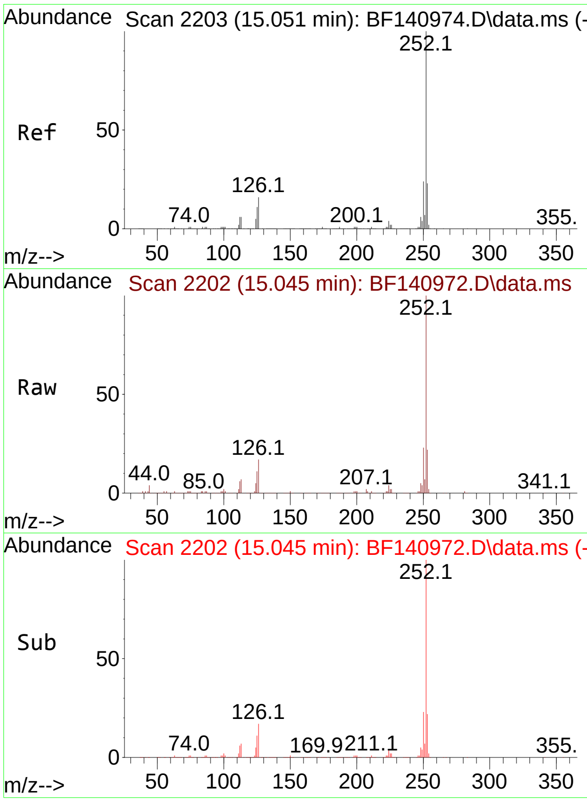
Tgt Ion:252 Resp: 567548

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



ICAL Form

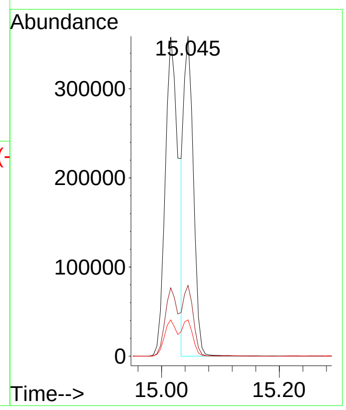
Instrument : BNA_F
ClientSampleId : SSTDICC010

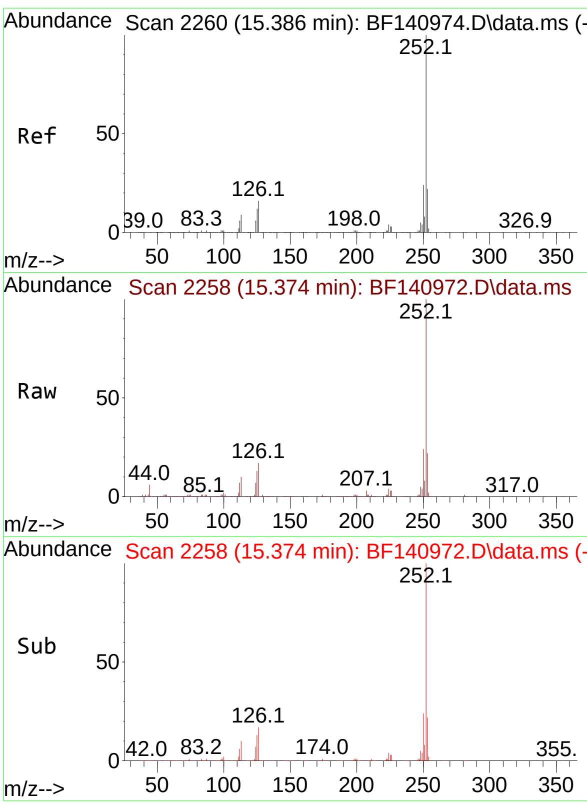


#89
Benzo(k)fluoranthene
Concen: 10.256 ng
RT: 15.045 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:252 Resp: 406884

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

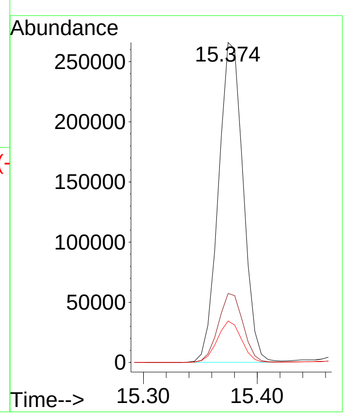




#90
Benzo(a)pyrene
Concen: 10.230 ng
RT: 15.374 min Scan# 2258
Delta R.T. -0.012 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

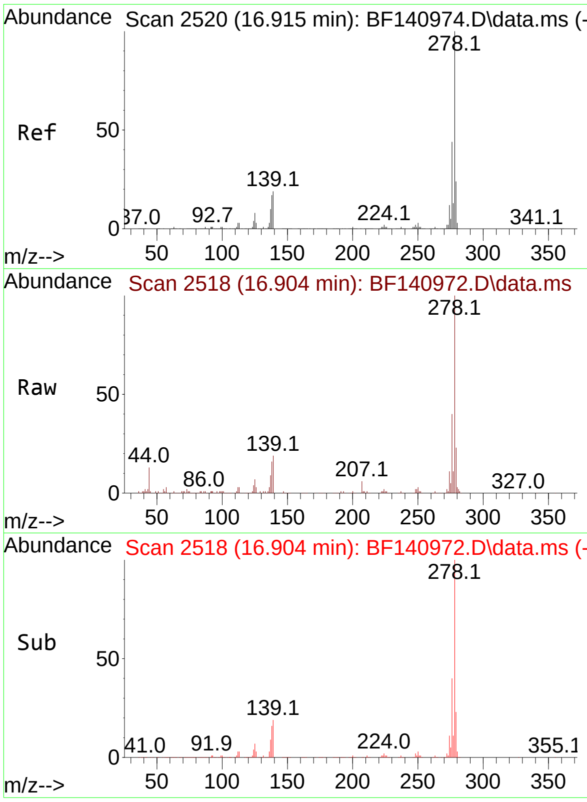
Tgt Ion:252 Resp: 401924

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



ICAL Form

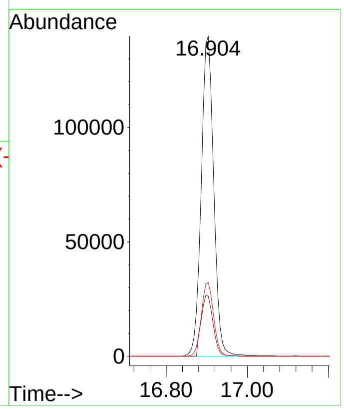
Instrument :
BNA_F
ClientSampleId :
SSTDICC010

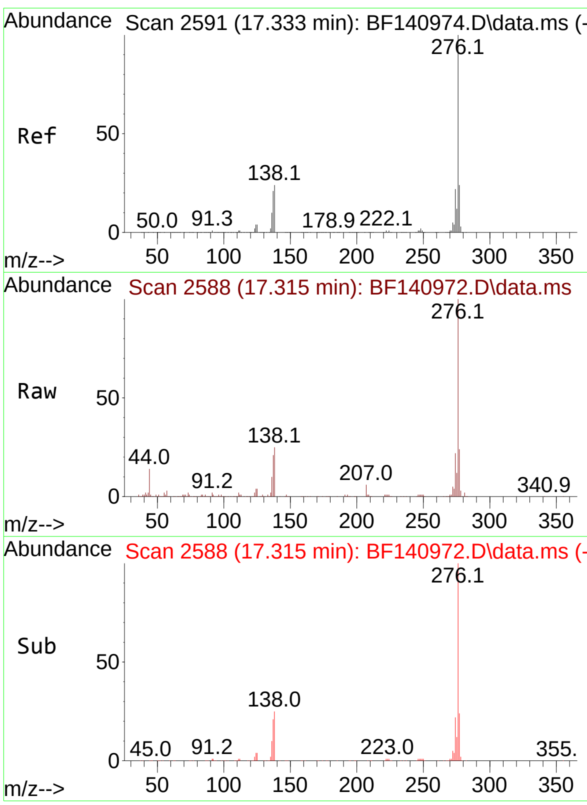


#91
Dibenzo(a,h)anthracene
Concen: 8.115 ng
RT: 16.904 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:278 Resp: 300782

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

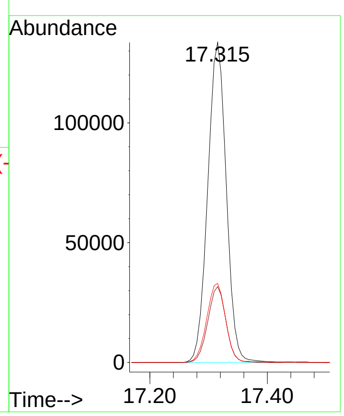




#92
Benzo(g,h,i)perylene
Concen: 7.654 ng
RT: 17.315 min Scan# 2588
Delta R.T. -0.018 min
Lab File: BF140972.D
Acq: 26 Dec 2024 17:15

Tgt Ion:276 Resp: 294254

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



Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument : BNA_F
ClientSampleId : SSTDICC020

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

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

ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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

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

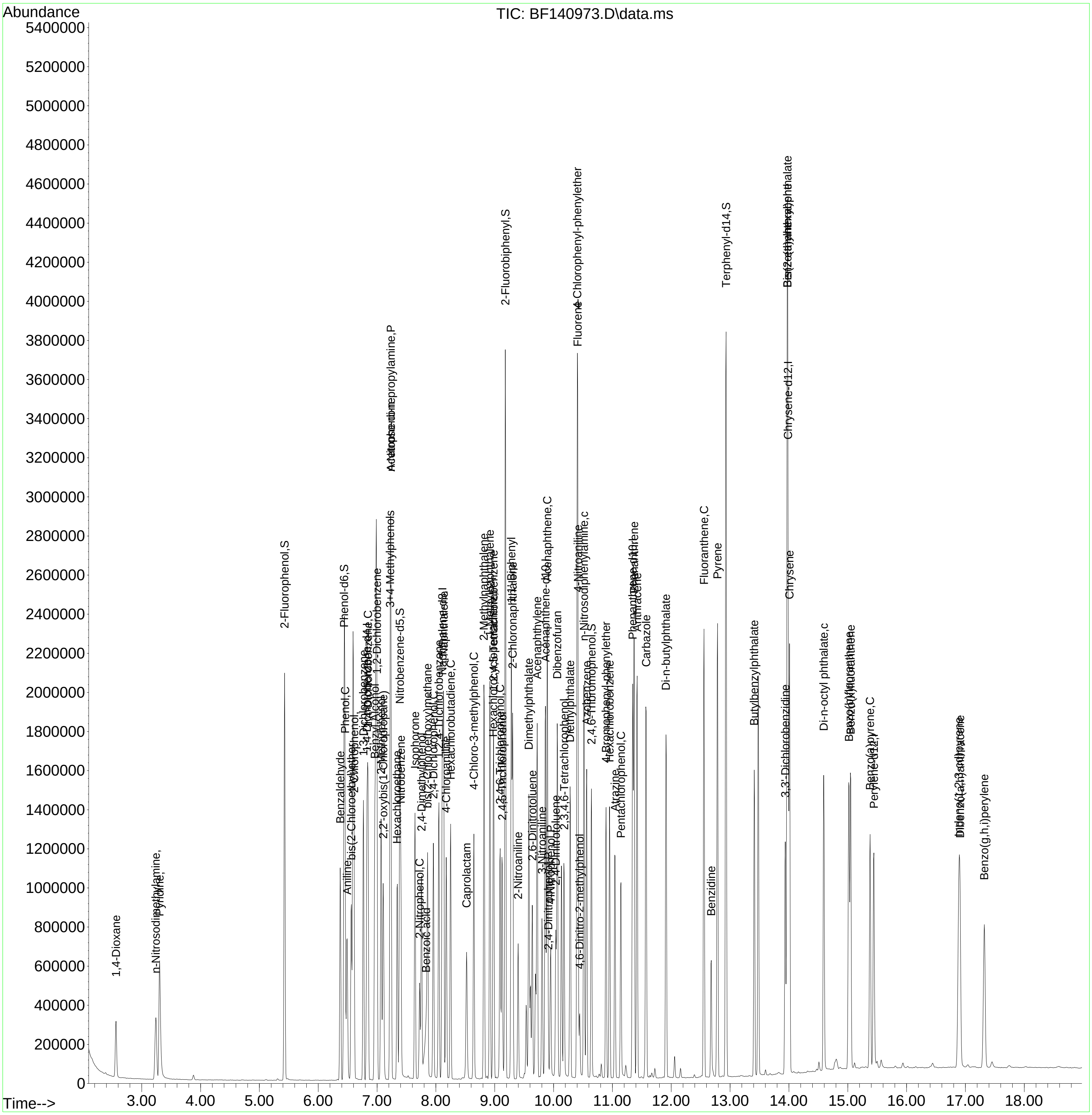
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

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

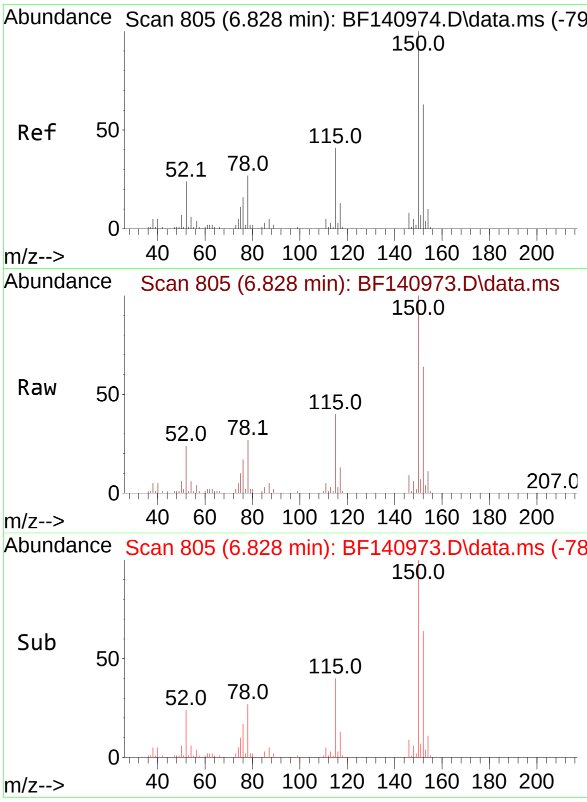
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

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



ICAL Form

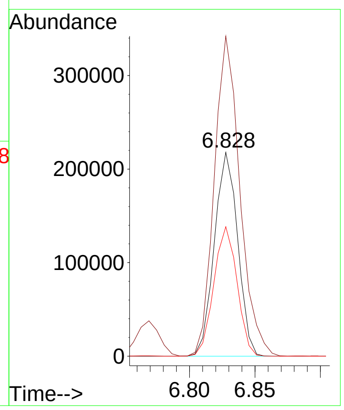
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

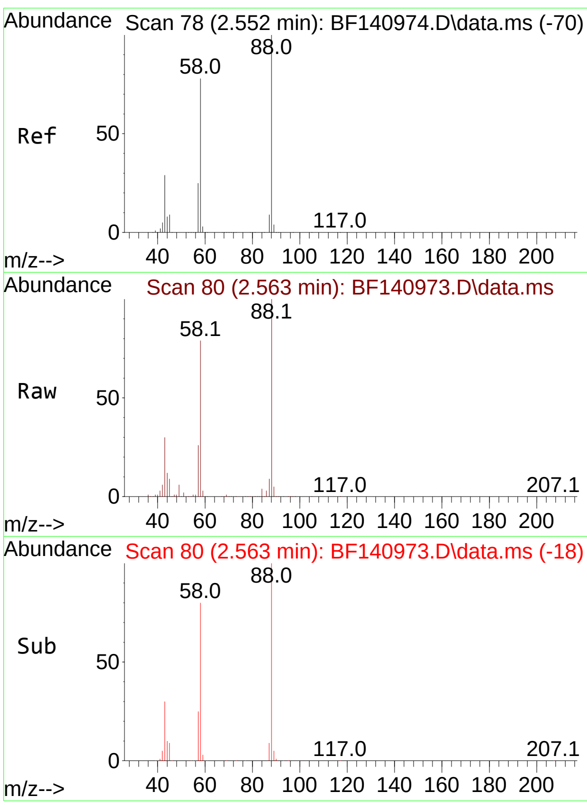


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:152 Resp: 269565

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

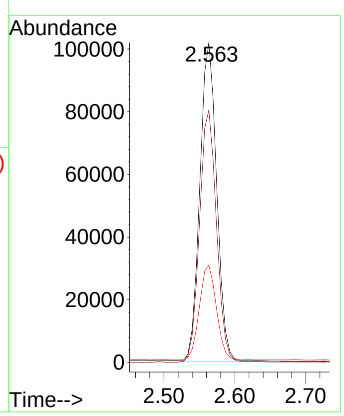




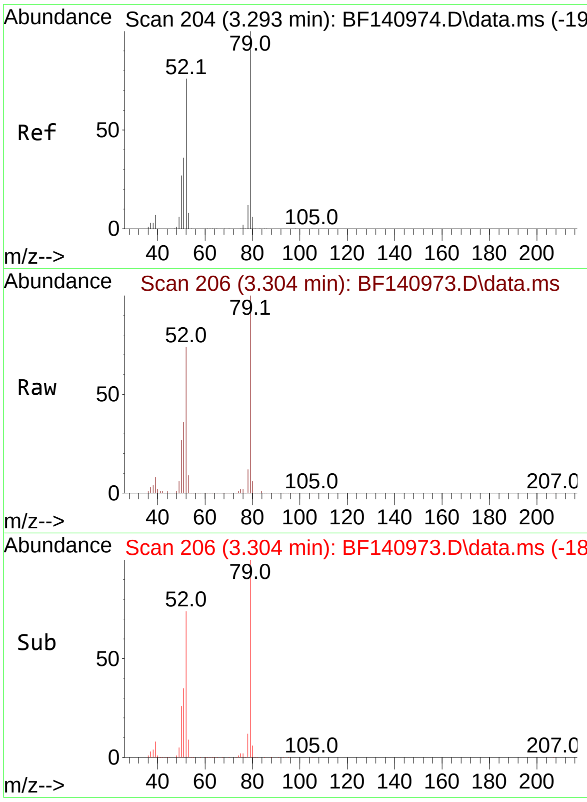
#2
1,4-Dioxane
Concen: 20.761 ng
RT: 2.563 min Scan# 80
Delta R.T. 0.012 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion: 88 Resp: 168084

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



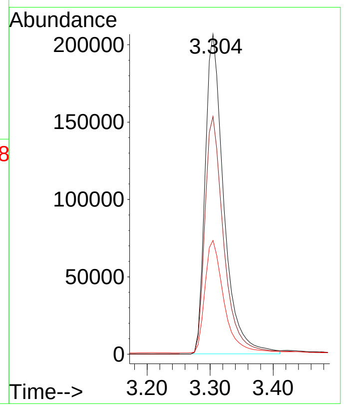
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

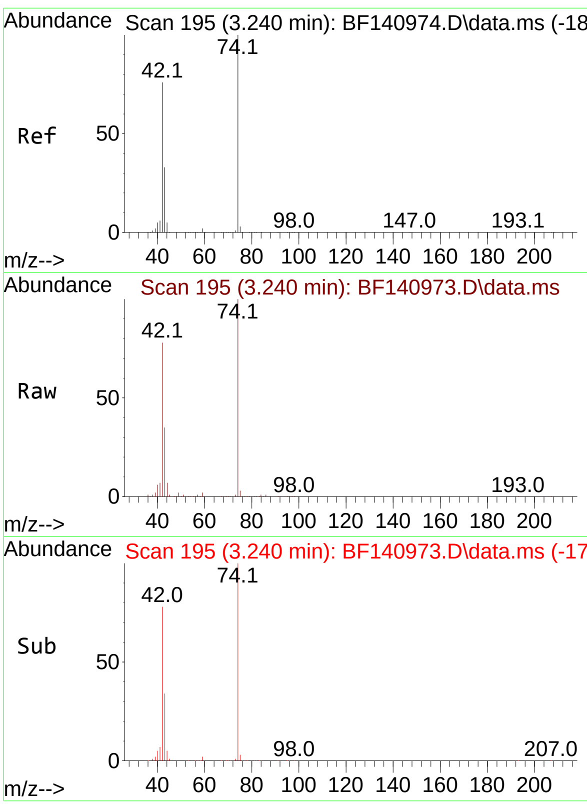


#3
Pyridine
Concen: 21.543 ng
RT: 3.304 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion: 79 Resp: 426244

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

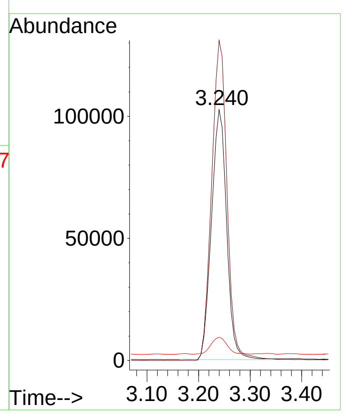


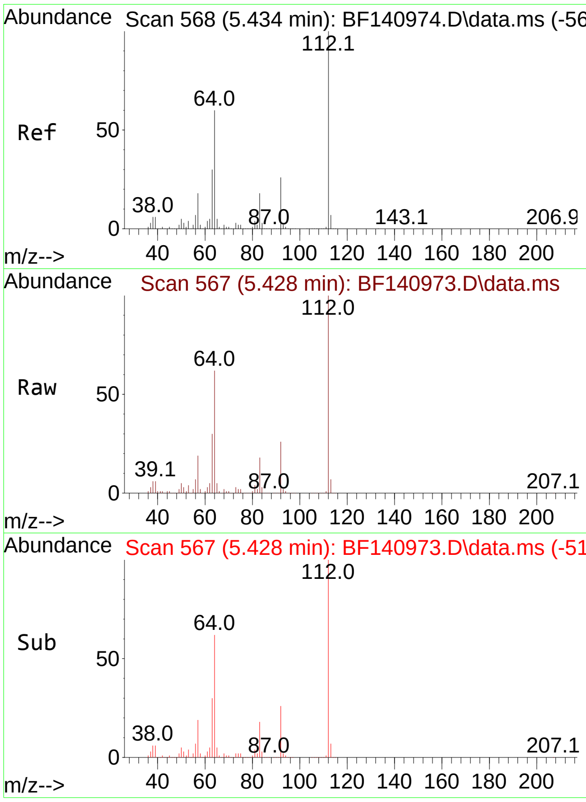


#4
n-Nitrosodimethylamine
Concen: 20.911 ng
RT: 3.240 min Scan# 195
Delta R.T. 0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion: 42 Resp: 209632

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





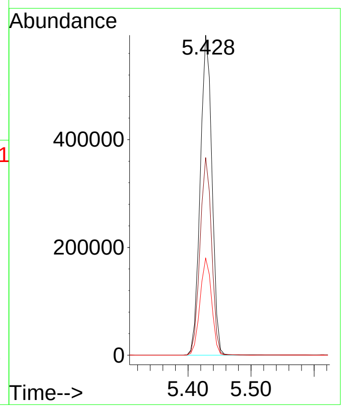
#5
2-Fluorophenol
Concen: 42.912 ng
RT: 5.428 min Scan# 5

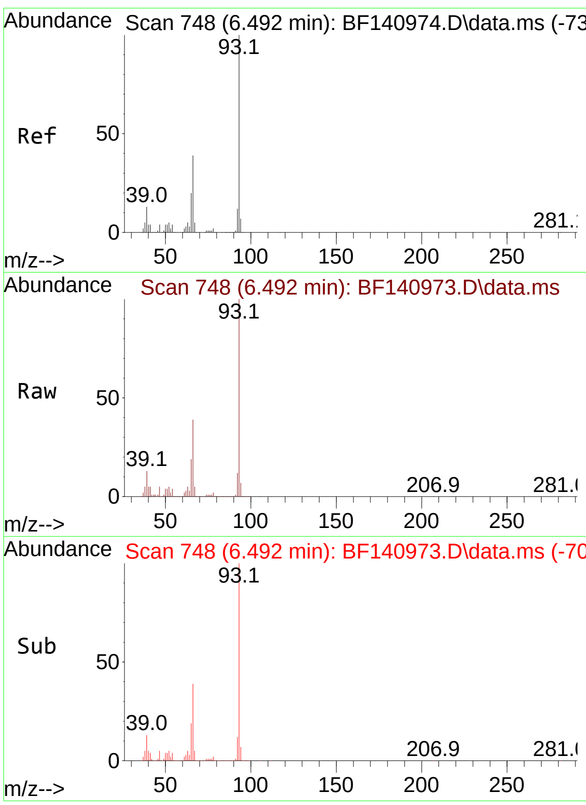
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:112 Resp: 767394

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

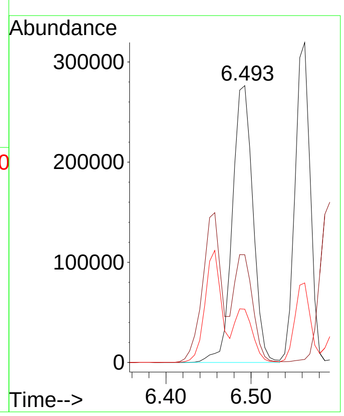




#6
Aniline
Concen: 22.727 ng
RT: 6.492 min Scan# 748
Delta R.T. -0.018 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion: 93 Resp: 466960

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



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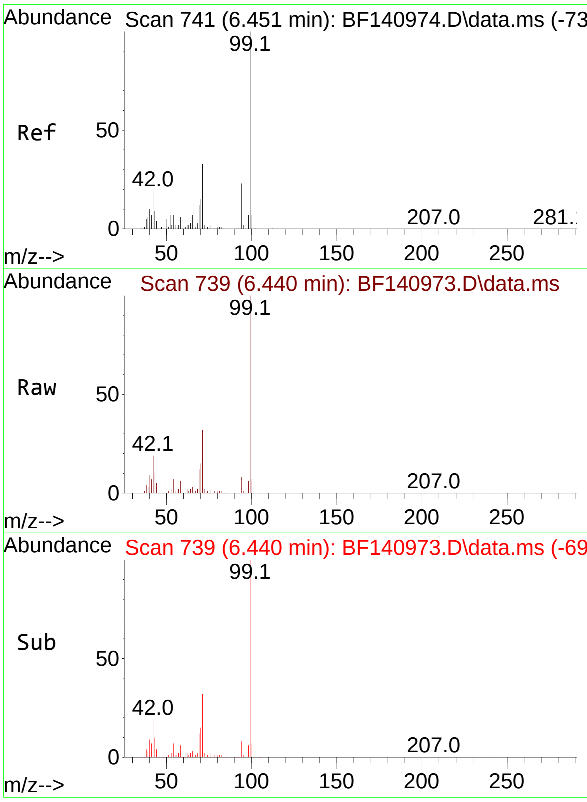
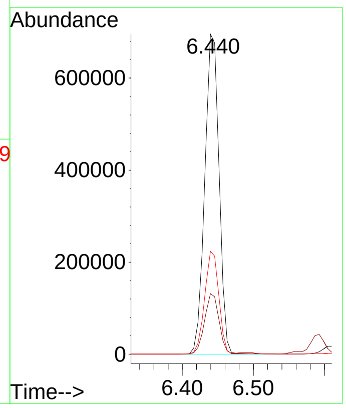


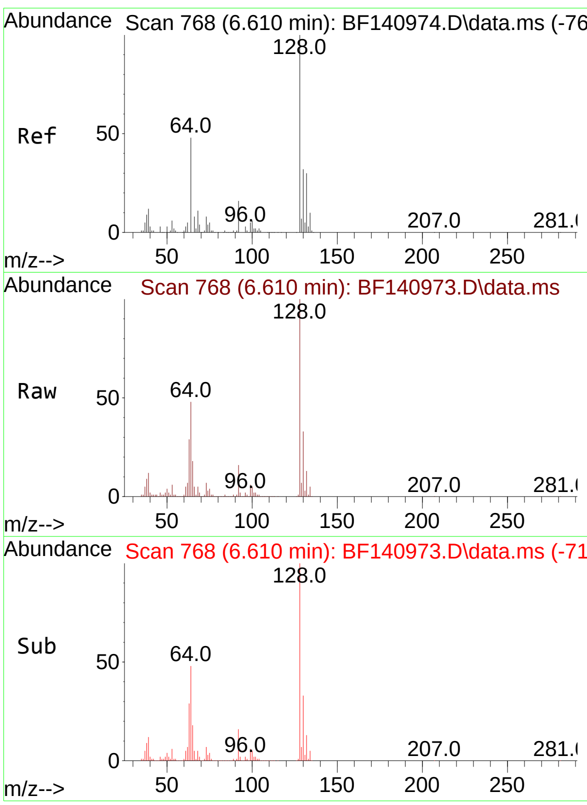
#7
Phenol-d6
Concen: 42.388 ng
RT: 6.440 min   Scan# 7
Delta R.T.   -0.012 min
Lab File: BF140973.D
Acq: 26 Dec 2024   17:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion: 99 Resp: 976492

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

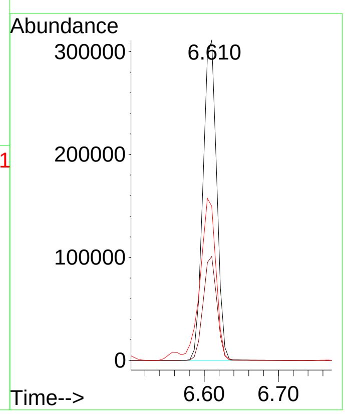




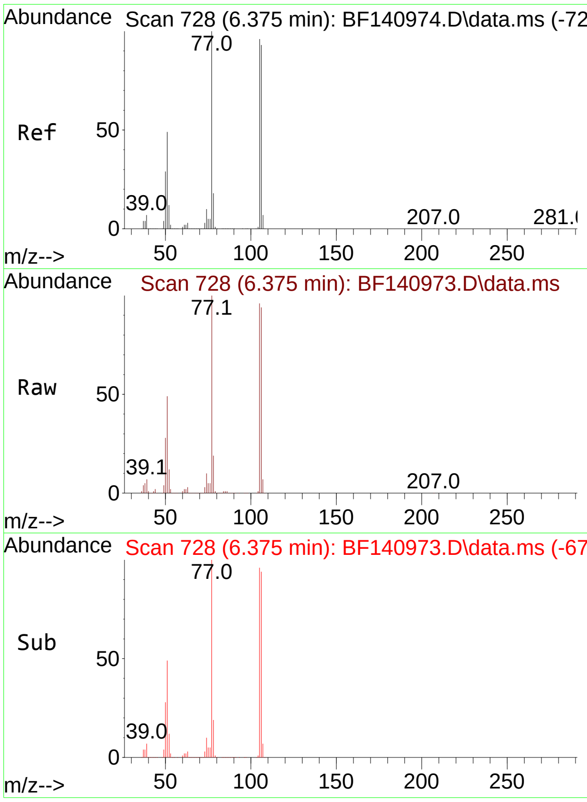
#8
2-Chlorophenol
Concen: 21.198 ng
RT: 6.610 min   Scan# 768
Delta R.T.   -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024   17:41

Tgt Ion:128 Resp: 399668

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



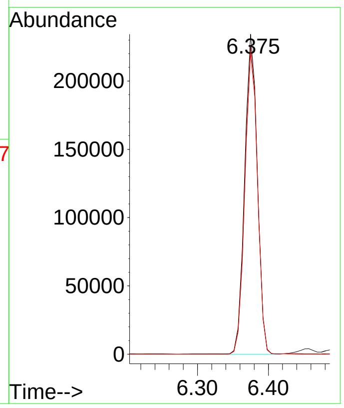
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

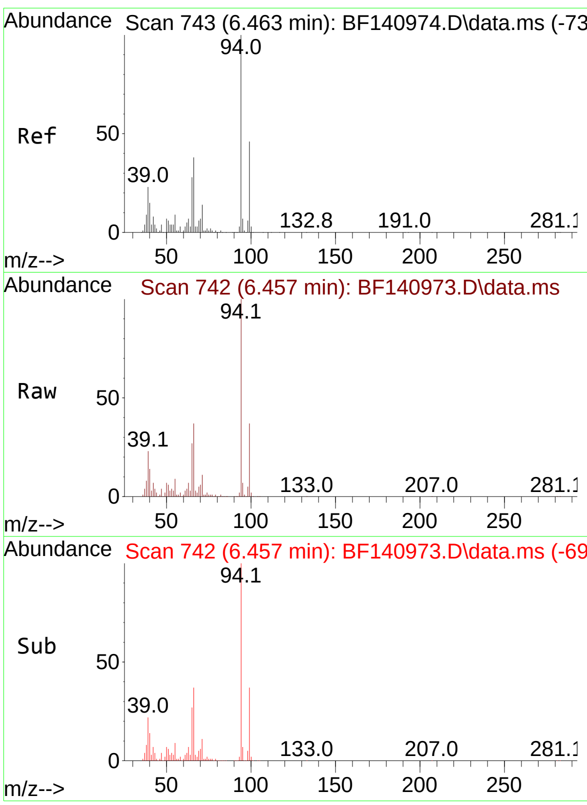


#9
Benzaldehyde
Concen: 22.432 ng
RT: 6.375 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion: 77 Resp: 293566

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

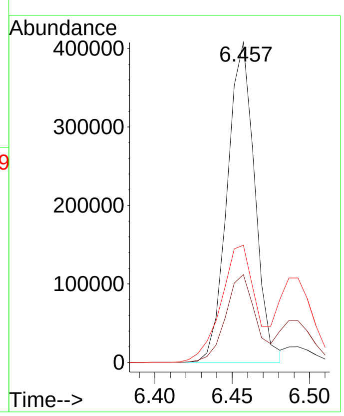




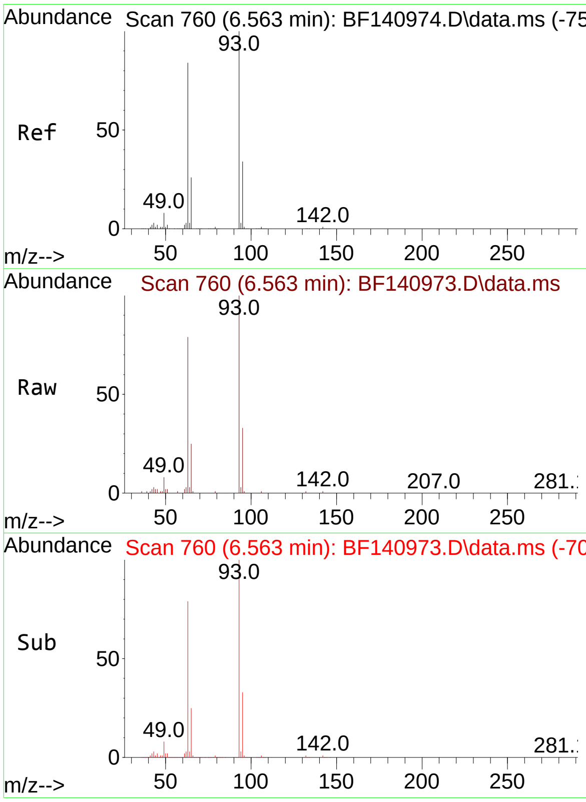
#10
Phenol
Concen: 21.114 ng
RT: 6.457 min Scan# 742
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion: 94 Resp: 502959

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



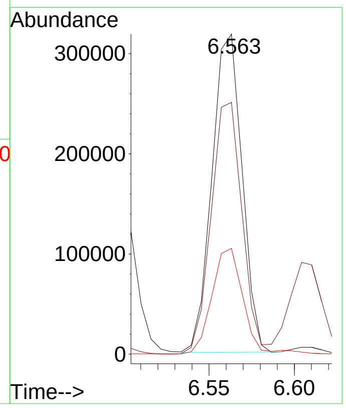
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

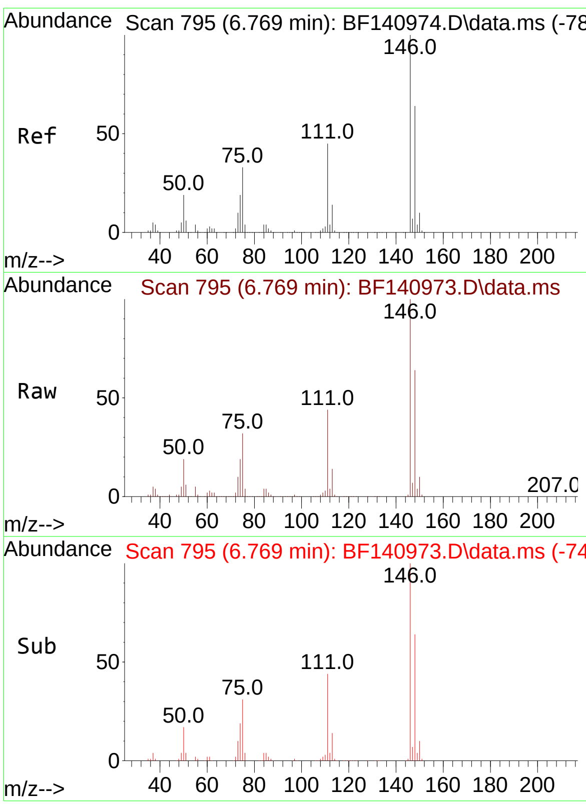


#11
bis(2-Chloroethyl)ether
Concen: 20.325 ng
RT: 6.563 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion: 93 Resp: 390561

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

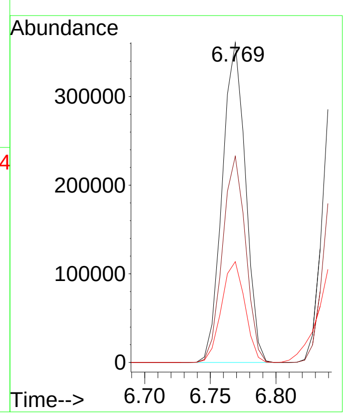




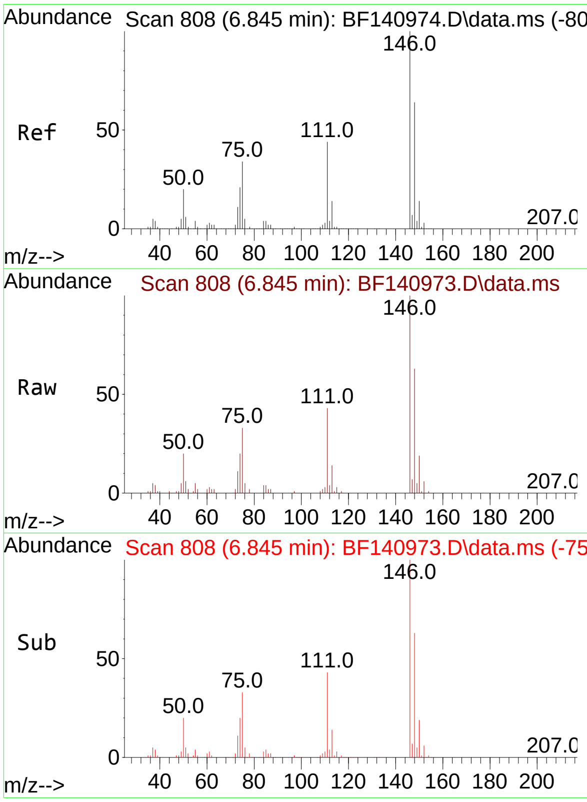
#12
1,3-Dichlorobenzene
Concen: 21.366 ng
RT: 6.769 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:146 Resp: 444586

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



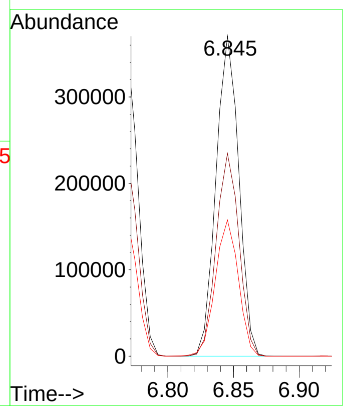
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

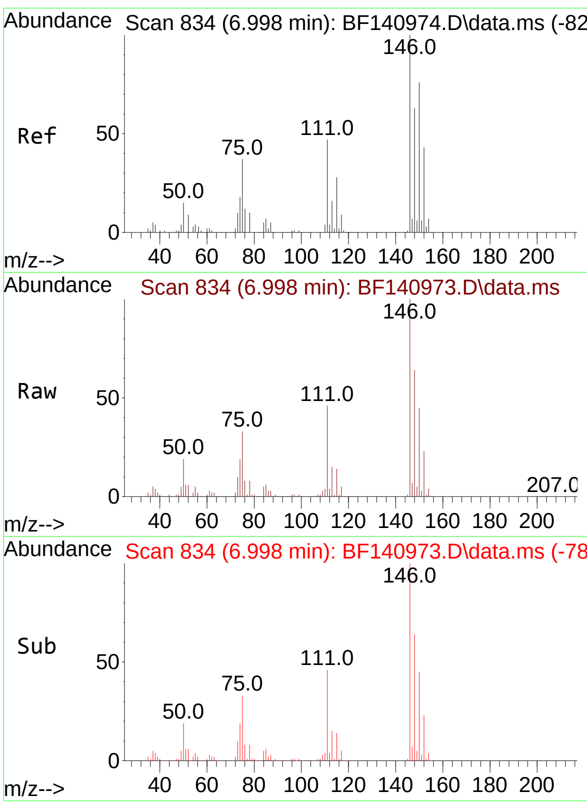


#13
1,4-Dichlorobenzene
Concen: 21.355 ng
RT: 6.845 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:146 Resp: 447949

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

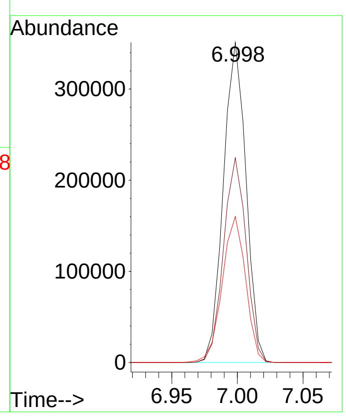




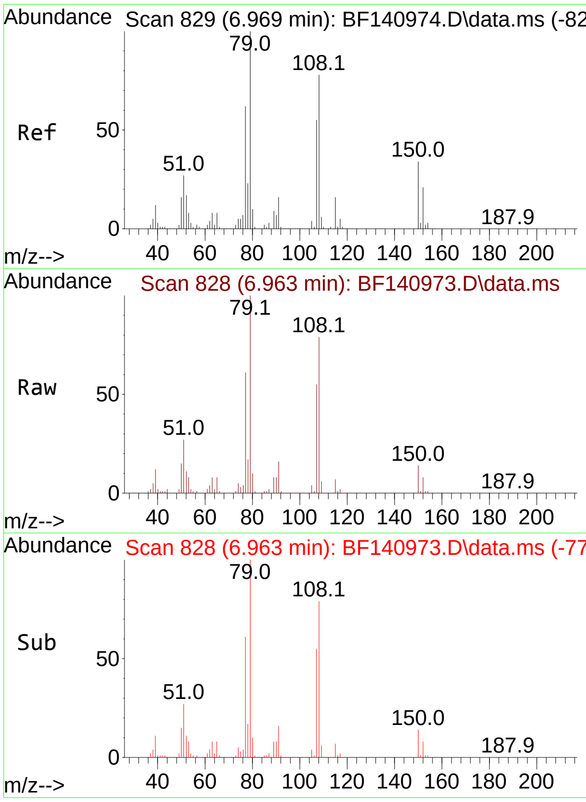
#14
1,2-Dichlorobenzene
Concen: 21.530 ng
RT: 6.998 min Scan# 834
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:146 Resp: 421063

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



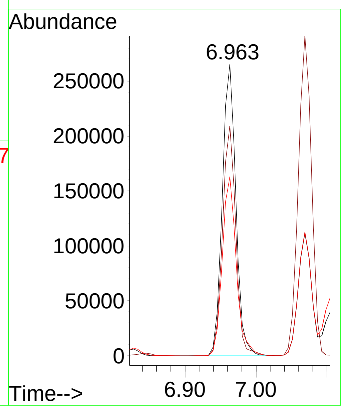
Instrument : BNA_F
ClientSampleId : SSTDICC020

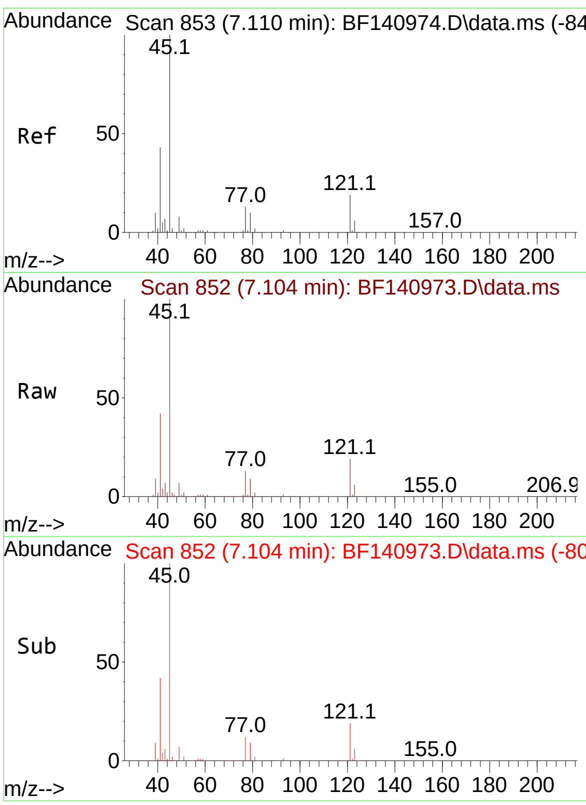


#15
Benzyl Alcohol
Concen: 21.140 ng
RT: 6.963 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion: 79 Resp: 349962

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

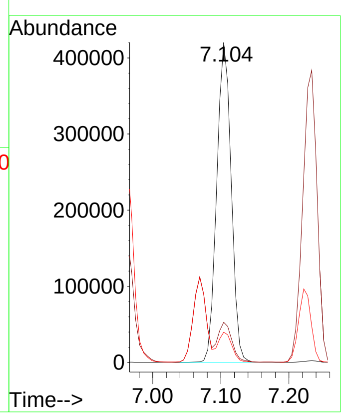




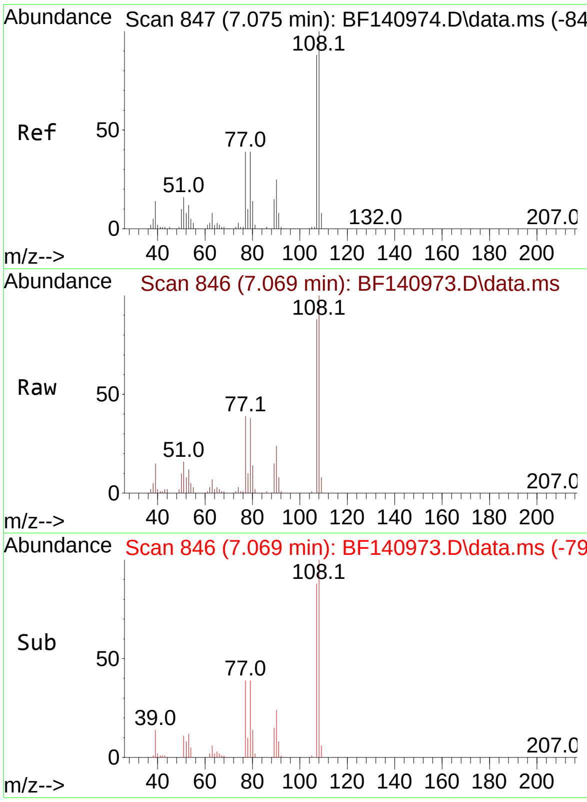
#16
2,2'-oxybis(1-Chloropropane)
Concen: 21.433 ng
RT: 7.104 min Scan# 852
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion: 45 Resp: 623448

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



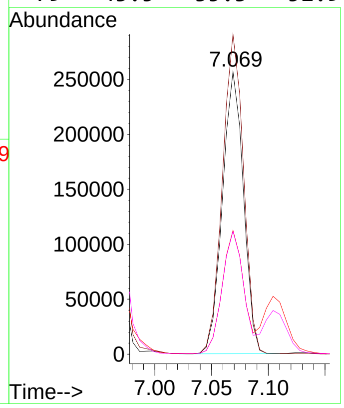
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

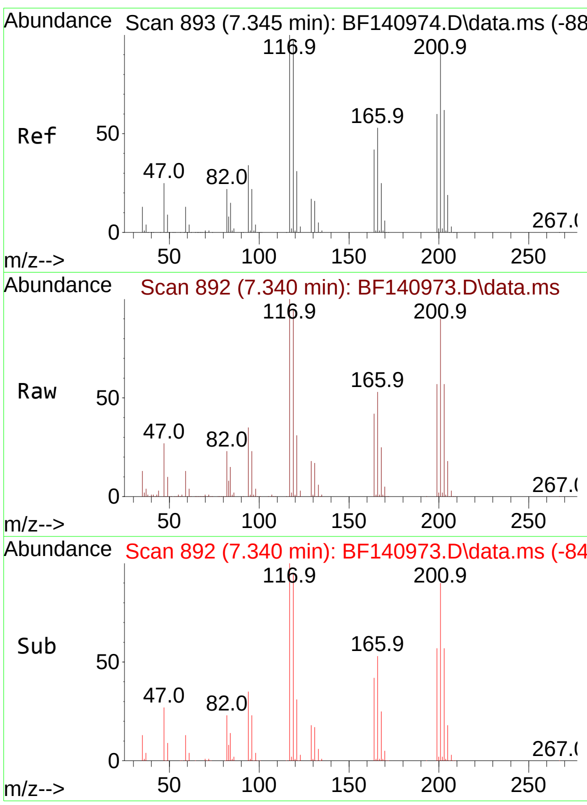


#17
2-Methylphenol
Concen: 21.106 ng
RT: 7.069 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:107 Resp: 330603

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

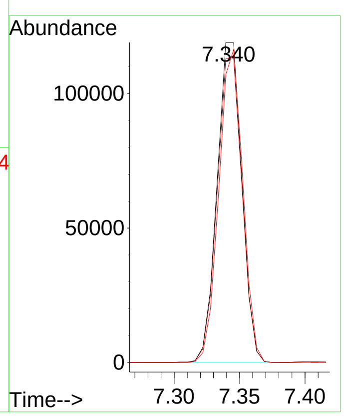




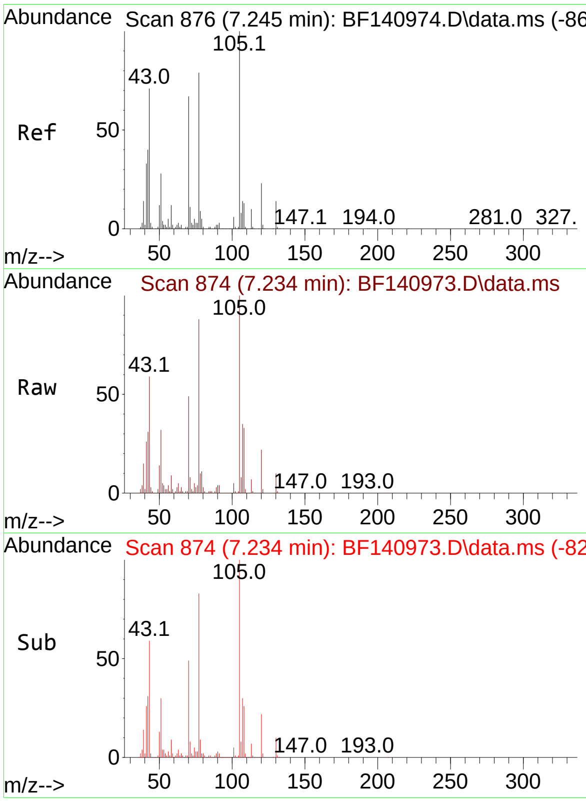
#18
Hexachloroethane
Concen: 21.113 ng
RT: 7.340 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:117 Resp: 157325

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



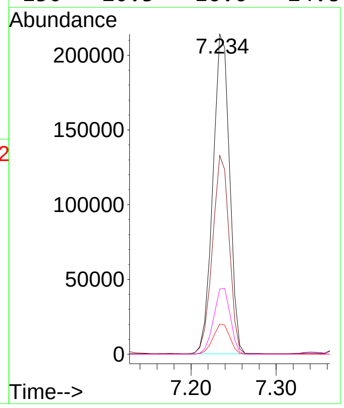
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

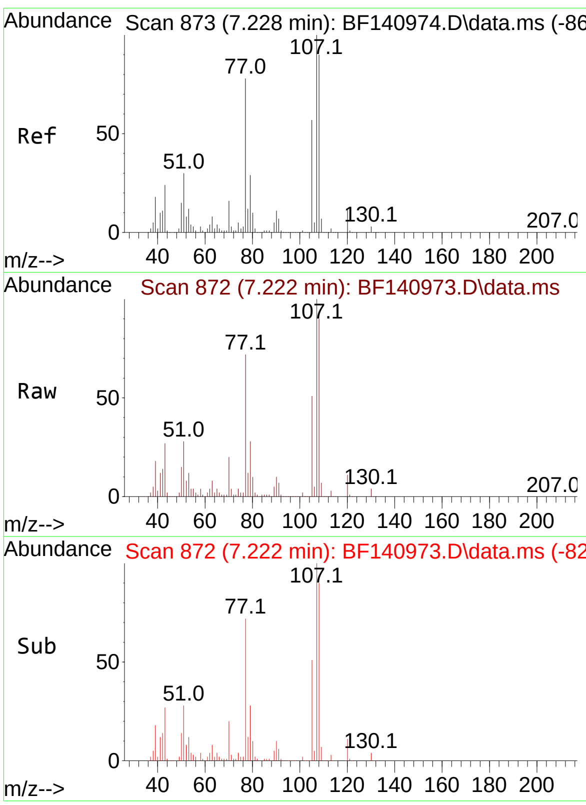


#19
n-Nitroso-di-n-propylamine
Concen: 20.617 ng
RT: 7.234 min Scan# 8
Delta R.T. -0.012 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion: 70 Resp: 290977

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

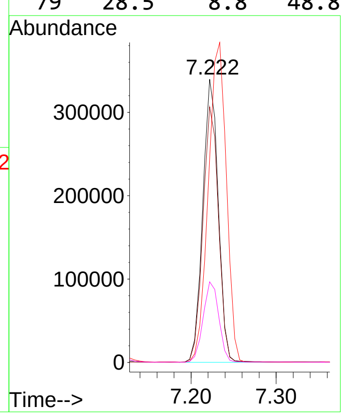




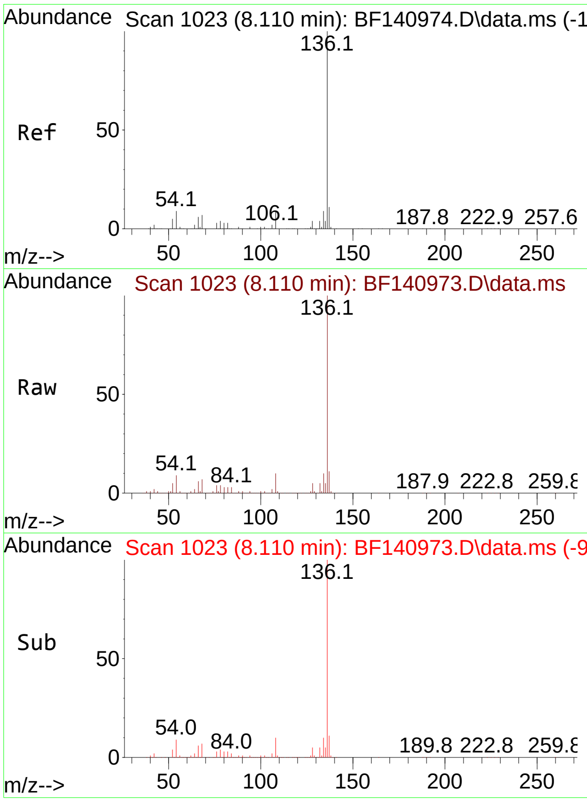
#20
3+4-Methylphenols
Concen: 21.737 ng
RT: 7.222 min Scan# 872
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:107 Resp: 430865

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



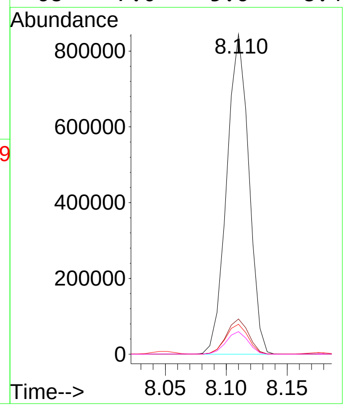
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

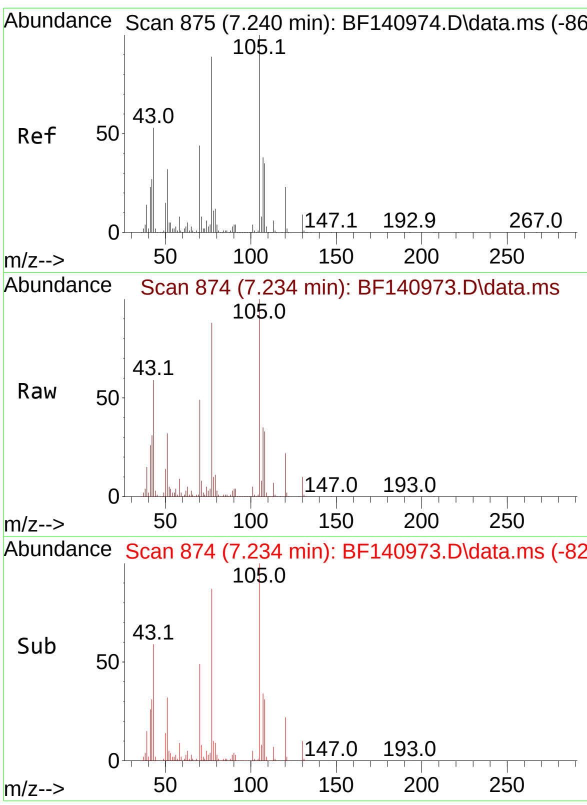


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 10
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:136 Resp: 1065985

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

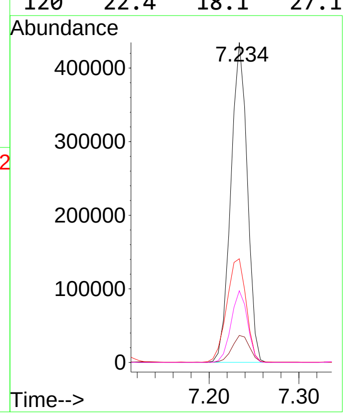




#22
Acetophenone
Concen: 21.244 ng
RT: 7.234 min Scan# 874
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:105 Resp: 555544

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



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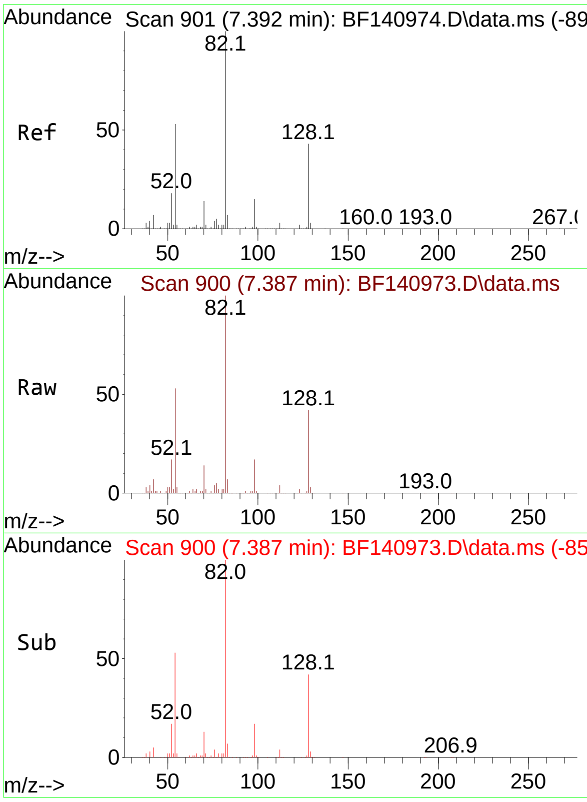
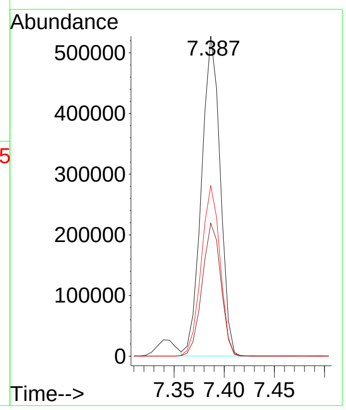
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

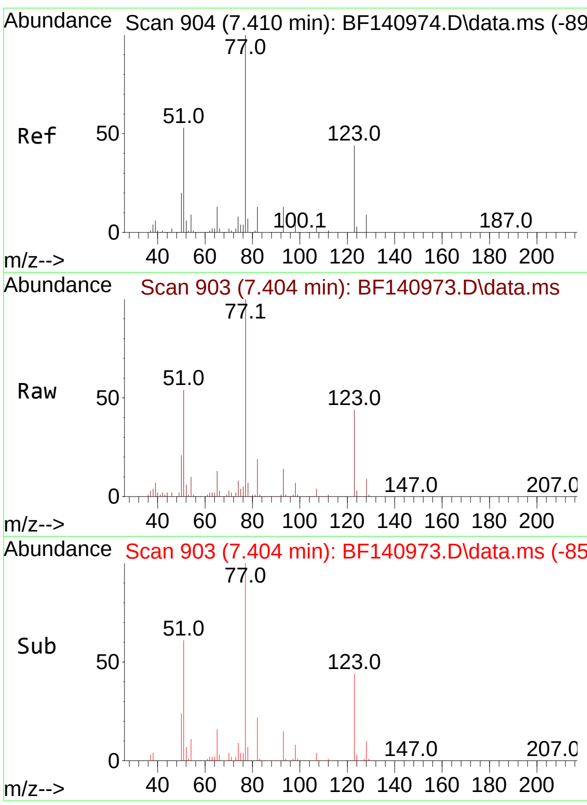


#23
Nitrobenzene-d5
Concen: 41.117 ng
RT: 7.387 min   Scan# 90
Delta R.T.   -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024   17:41

Tgt Ion: 82 Resp: 685087

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

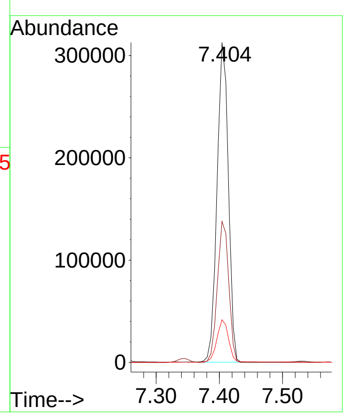




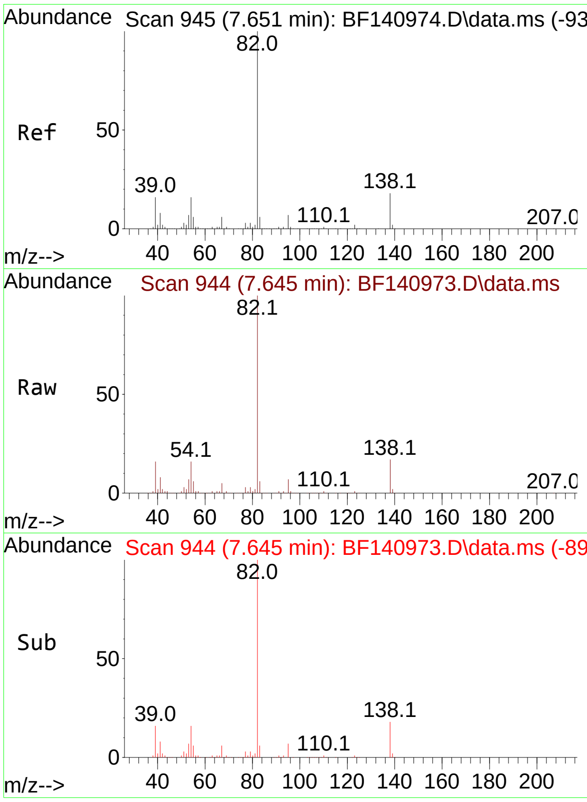
#24
Nitrobenzene
Concen: 20.868 ng
RT: 7.404 min   Scan# 903
Delta R.T.   -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024   17:41

Tgt Ion: 77 Resp: 388514

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



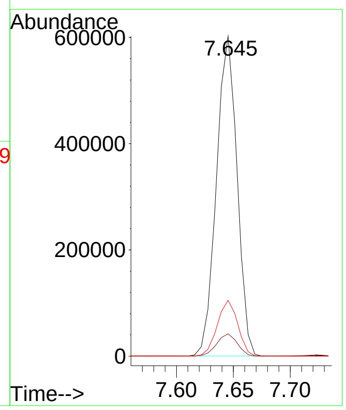
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

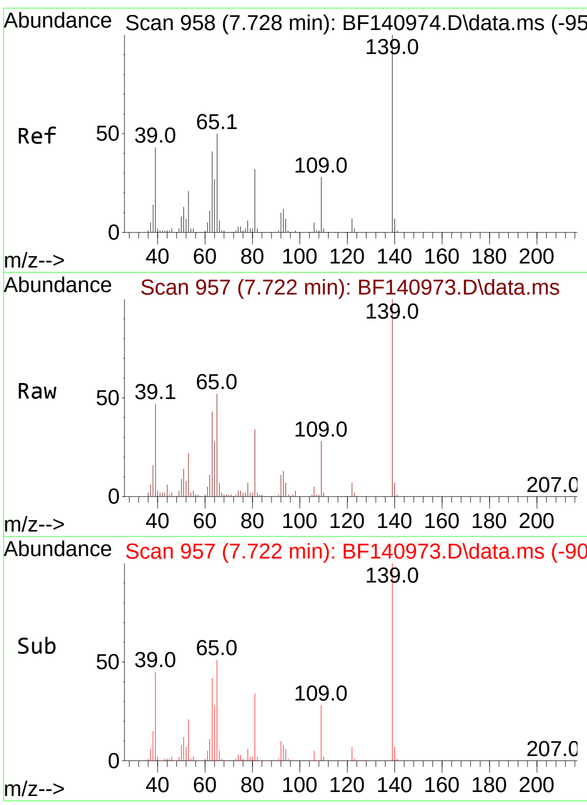


#25
Isophorone
Concen: 20.997 ng
RT: 7.645 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion: 82 Resp: 761280

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

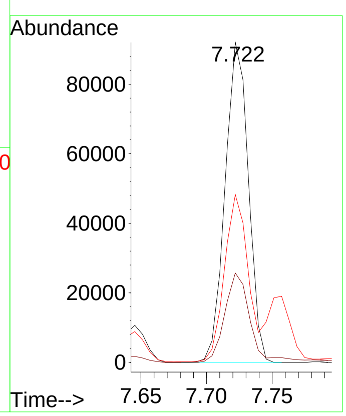




#26
2-Nitrophenol
Concen: 18.546 ng
RT: 7.722 min Scan# 957
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:139 Resp: 113601

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



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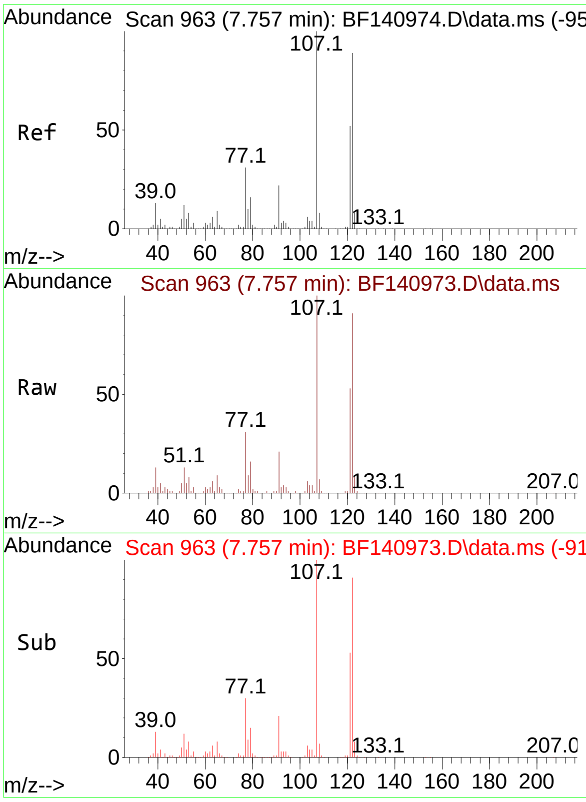
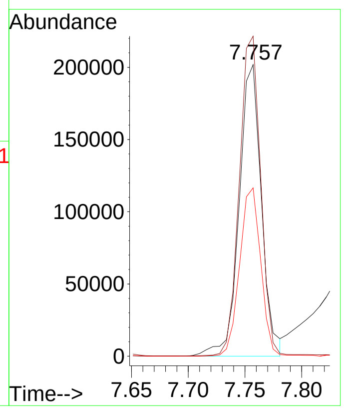
Instrument : BNA_F
ClientSampleId : SSTDICC020

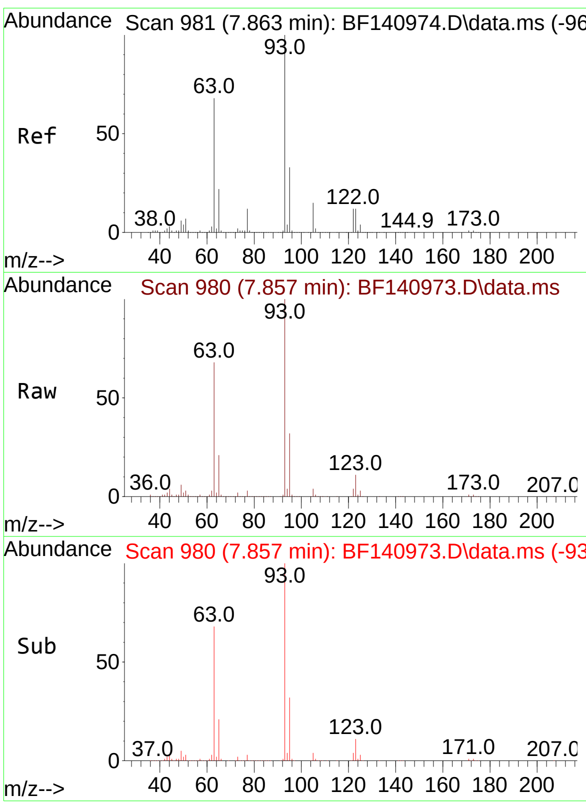


#27
2,4-Dimethylphenol
Concen: 20.884 ng
RT: 7.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:122 Resp: 276735

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

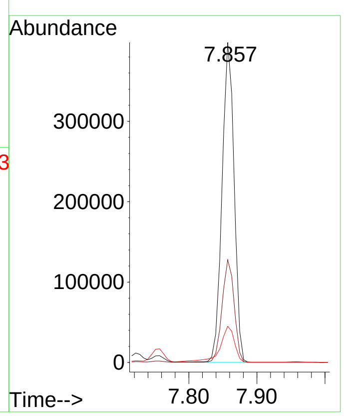




#28
bis(2-Chloroethoxy)methane
Concen: 21.434 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion: 93 Resp: 492370

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



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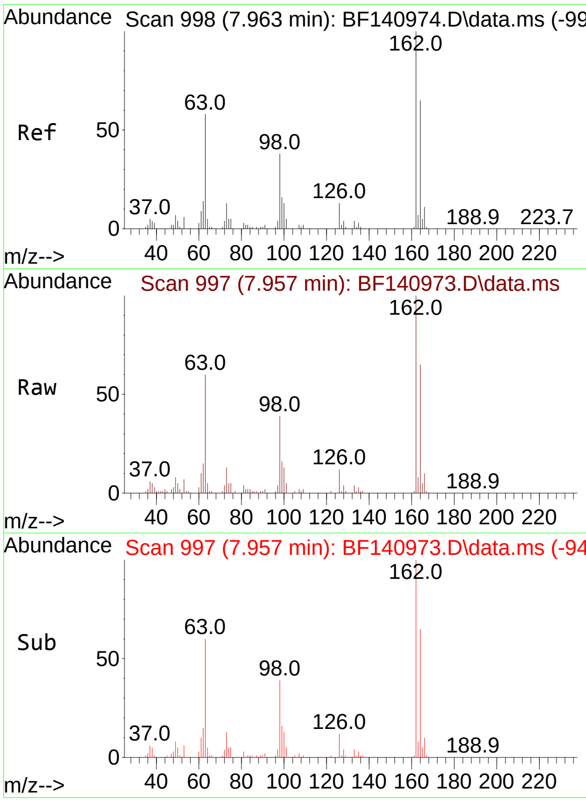
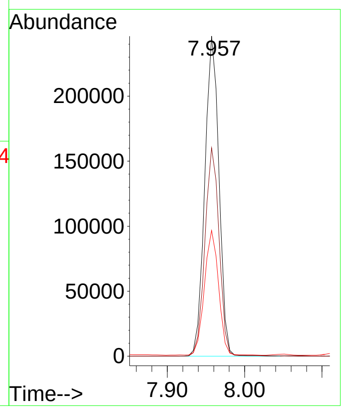
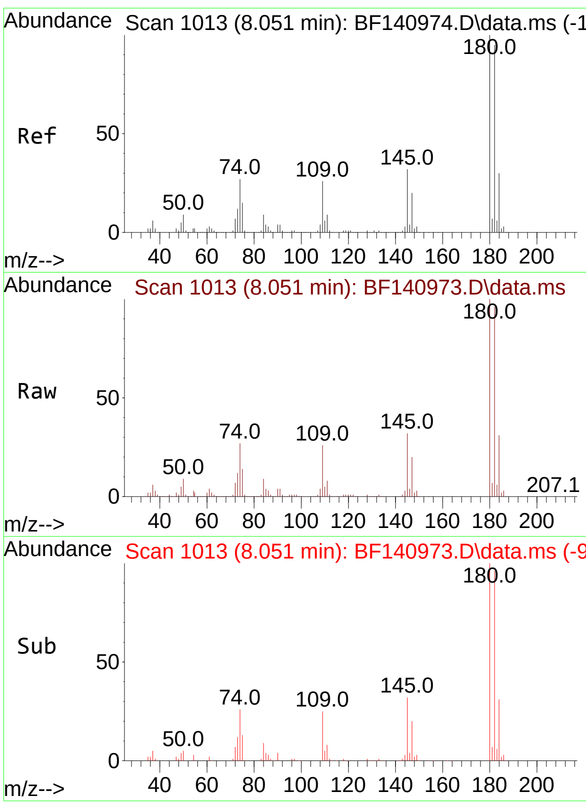
Instrument :
BNA_F
ClientSampleId :
SSTDICC020




```
#29
2,4-Dichlorophenol
Concen:   20.906 ng
RT:   7.957 min  Scan# 99
Delta R.T.  -0.006 min
Lab File:   BF140973.D
Acq: 26 Dec 2024  17:41

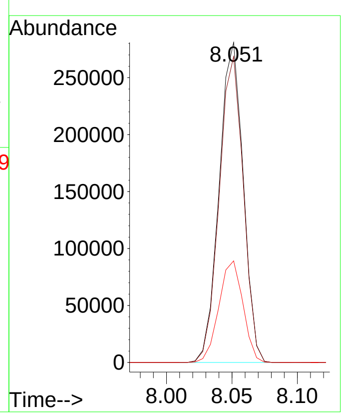
Tgt Ion:162 Resp:  314184
Ion  Ratio  Lower  Upper
162  100
164   65.1   44.8   84.8
 98   39.3   18.6   58.6
```

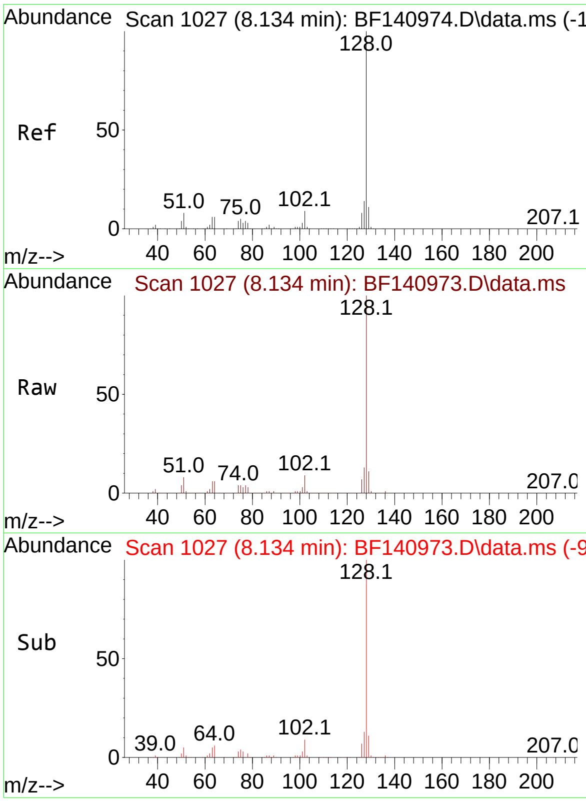





```
#30
1,2,4-Trichlorobenzene
Concen:   21.106 ng
RT:   8.051 min  Scan# 1013
Delta R.T.  -0.000 min
Lab File:   BF140973.D
Acq: 26 Dec 2024  17:41

Tgt Ion:180 Resp:  359008
Ion  Ratio  Lower  Upper
180  100
182   95.6   76.2  114.4
145   31.8   25.4   38.2
```



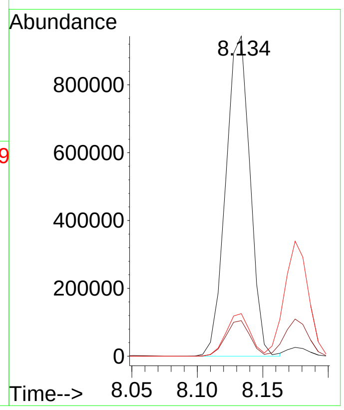


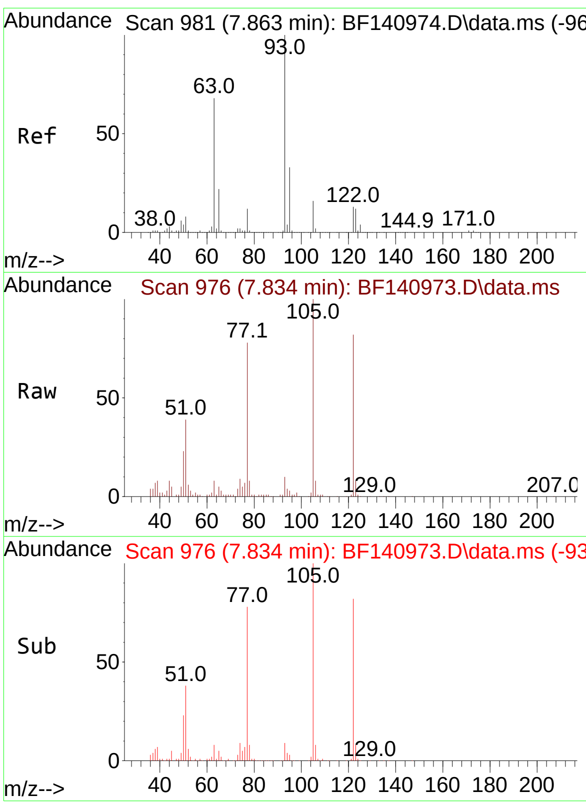
#31
Naphthalene
Concen: 21.677 ng
RT: 8.134 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:128 Resp: 1217616

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

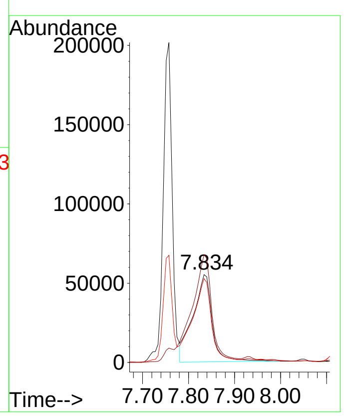




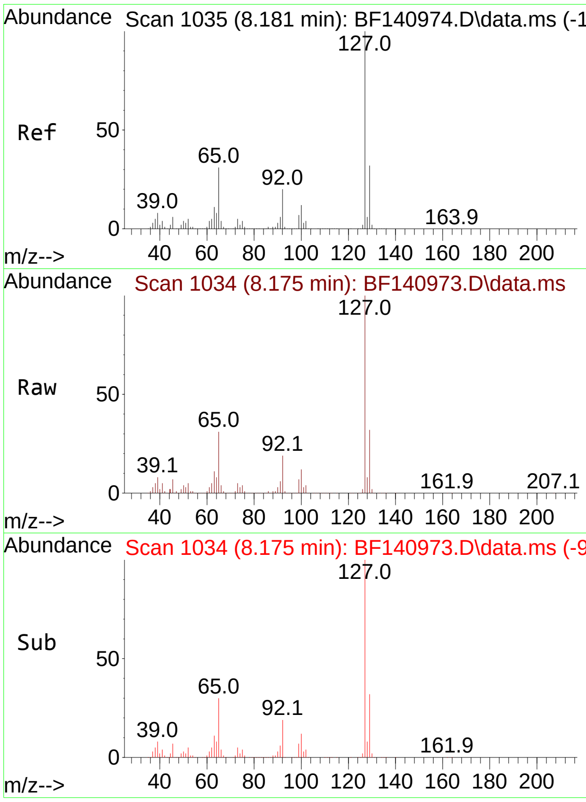
#32
Benzoic acid
Concen: 20.134 ng
RT: 7.834 min Scan# 976
Delta R.T. -0.029 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:122 Resp: 161566

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

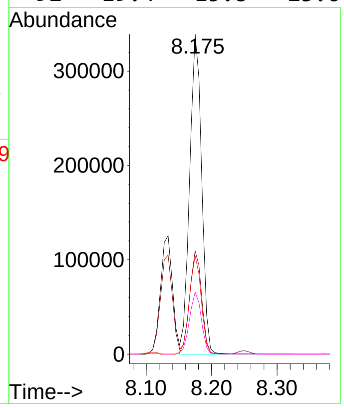


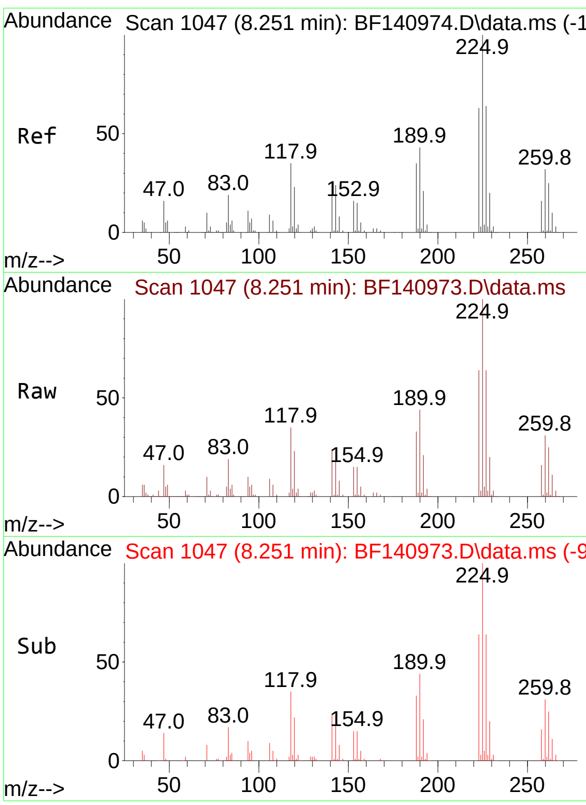
Instrument : BNA_F
ClientSampleId : SSTDICC020




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

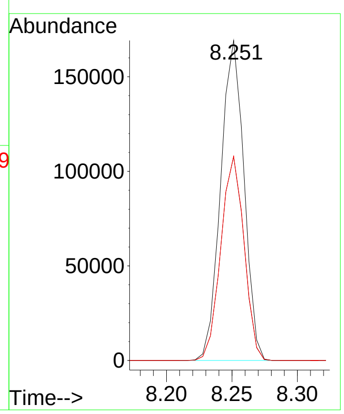
Tgt Ion:127 Resp:  430141
Ion  Ratio  Lower  Upper
127  100
129   32.3   26.1   39.1
 65   30.7   24.6   37.0
 92   19.4   15.8   23.6
```



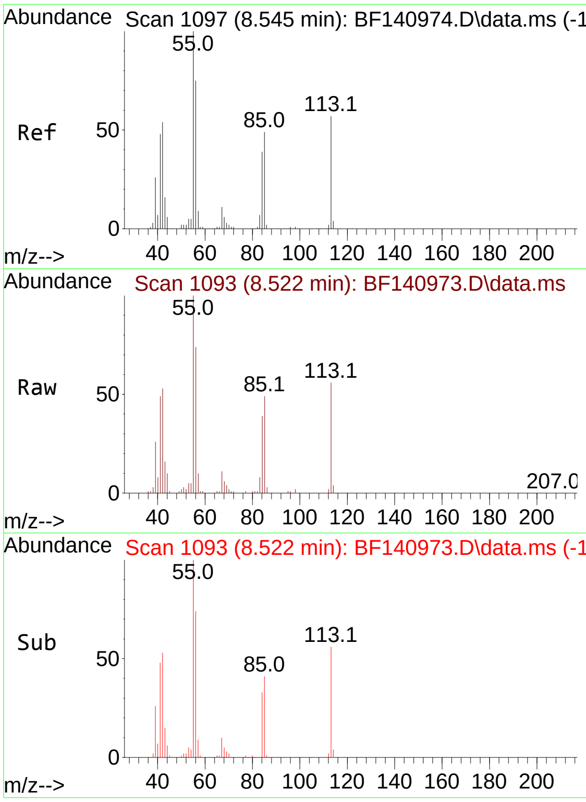



```
#34
Hexachlorobutadiene
Concen:   20.878 ng
RT:   8.251 min  Scan# 1047
Delta R.T.  -0.000 min
Lab File:   BF140973.D
Acq: 26 Dec 2024  17:41

Tgt Ion:225 Resp:  209359
Ion  Ratio  Lower  Upper
225  100
223   63.7   50.3   75.5
227   63.9   50.8   76.2
```

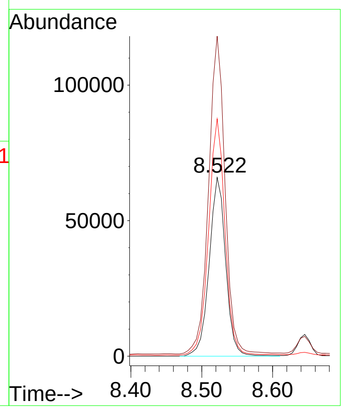


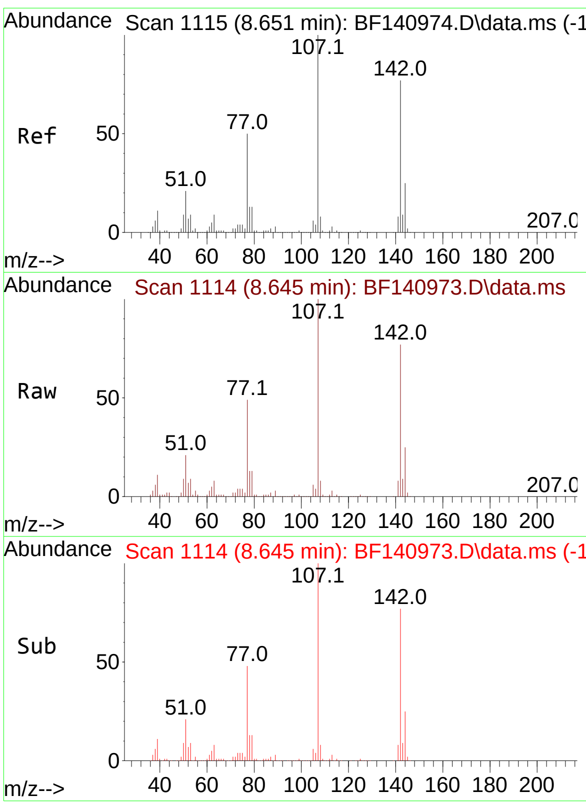
Instrument :
BNA_F
ClientSampleId :
SSTDICC020




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

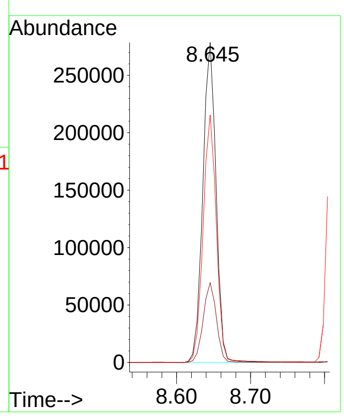
Tgt Ion:113 Resp:  106661
Ion  Ratio  Lower  Upper
113  100
 55  179.1  156.6  196.6
 56  132.8  111.7  151.7
```






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

Tgt Ion:107 Resp:  348318
Ion  Ratio  Lower  Upper
107  100
144   24.9   19.9   29.9
142   77.4   61.8   92.8
```



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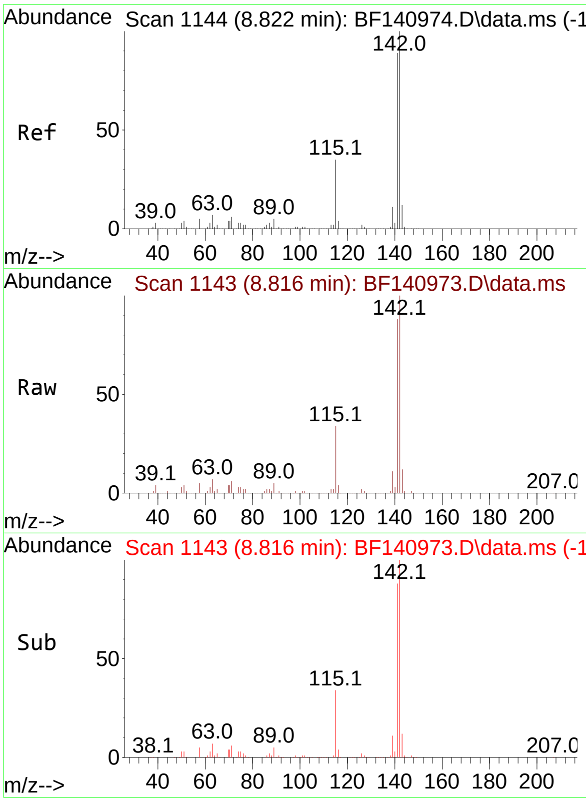
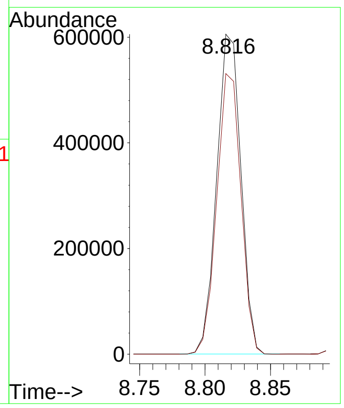


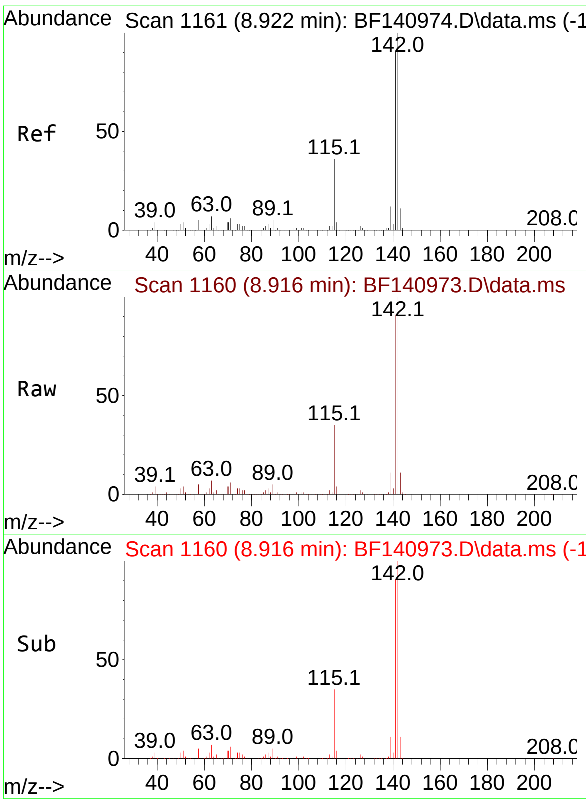
#37
2-Methylnaphthalene
Concen: 21.701 ng
RT: 8.816 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:142 Resp: 779831

Ion	Ratio	Lower	Upper
142	100		
141	87.7	71.1	106.7

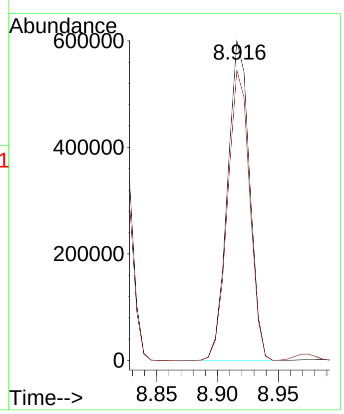




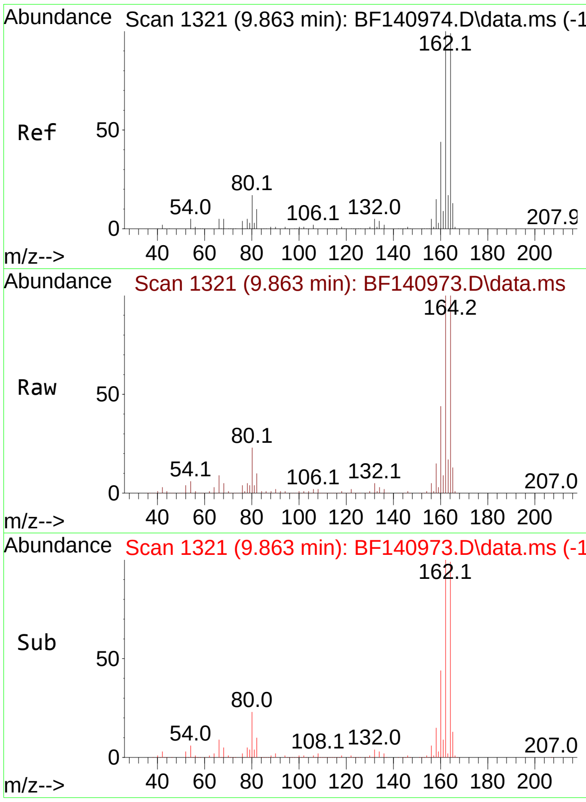
#38
1-Methylnaphthalene
Concen: 21.432 ng
RT: 8.916 min Scan# 1160
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:142 Resp: 756896

Ion	Ratio	Lower	Upper
142	100		
141	90.8	72.7	109.1



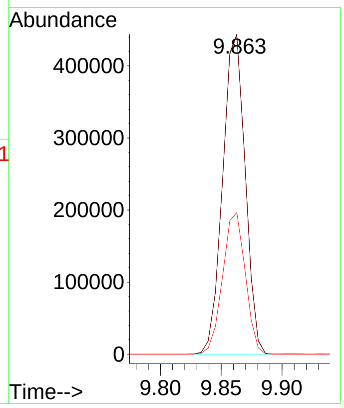
Instrument : BNA_F
ClientSampleId : SSTDICC020

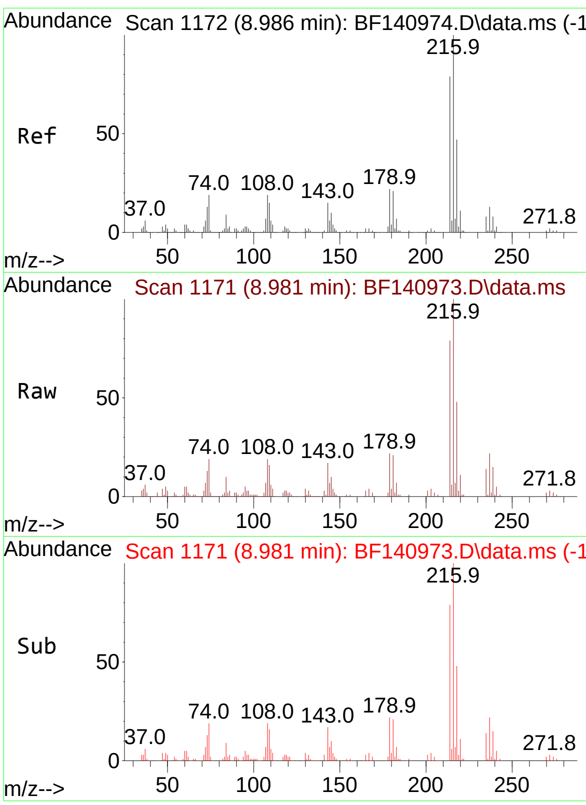


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:164 Resp: 573072

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

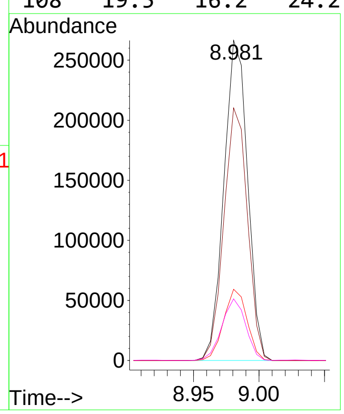




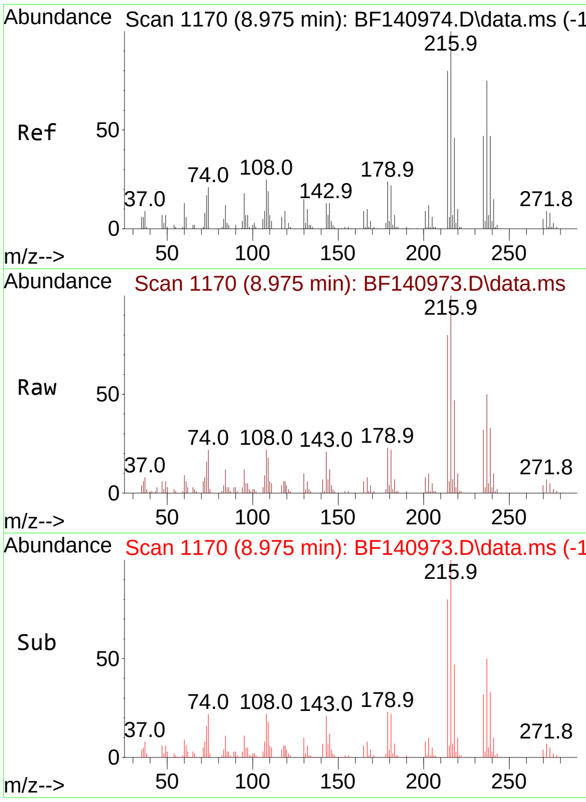
#40
1,2,4,5-Tetrachlorobenzene
Concen: 21.287 ng
RT: 8.981 min Scan# 1171
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:216 Resp: 335609

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



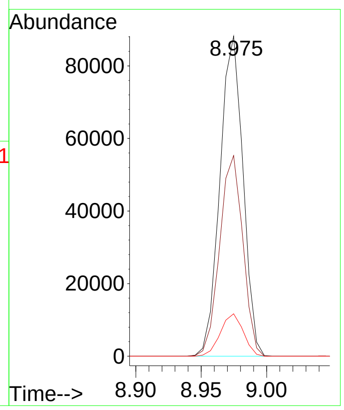
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

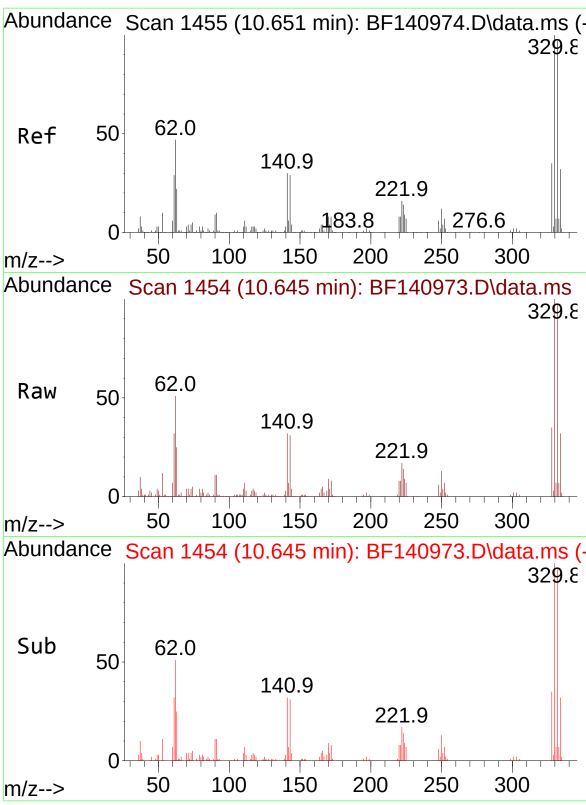


#41
Hexachlorocyclopentadiene
Concen: 20.700 ng
RT: 8.975 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:237 Resp: 108149

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

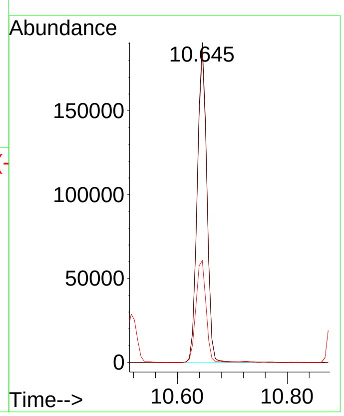




#42
2,4,6-Tribromophenol
Concen: 41.797 ng
RT: 10.645 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:330 Resp: 232752

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



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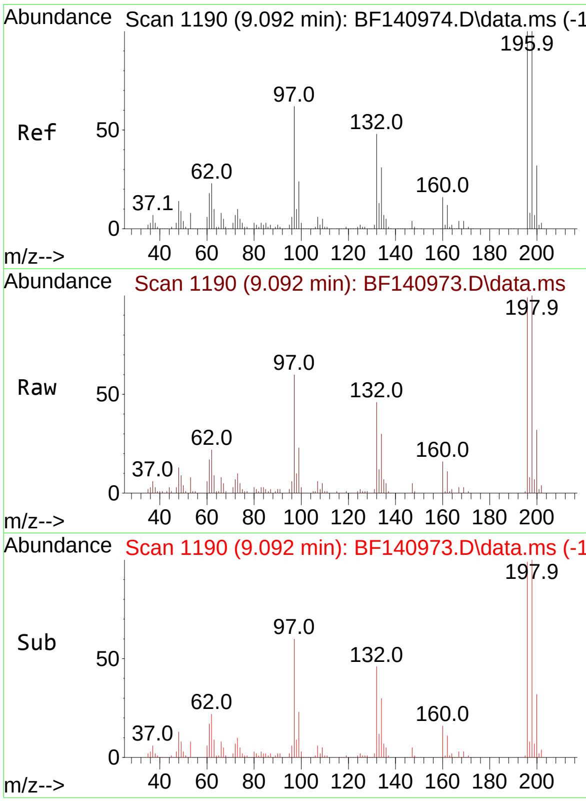
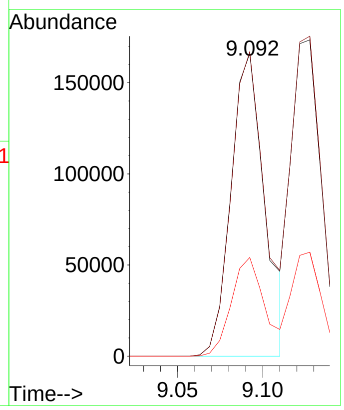
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

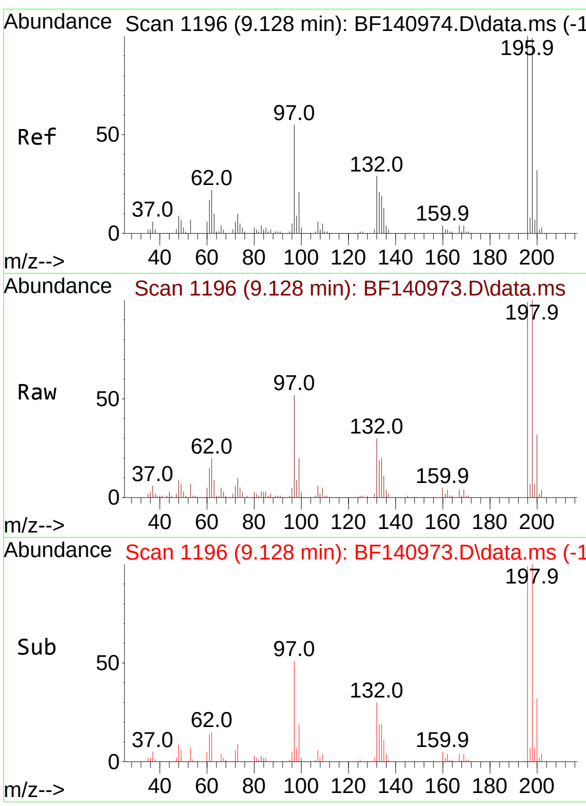


#43
2,4,6-Trichlorophenol
Concen: 21.723 ng
RT: 9.092 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:196 Resp: 227943

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

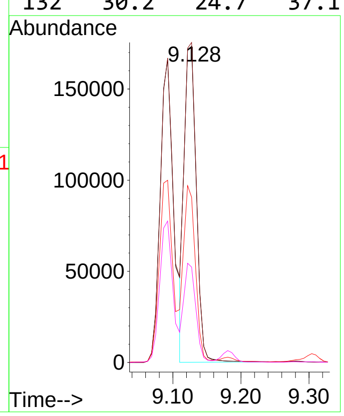




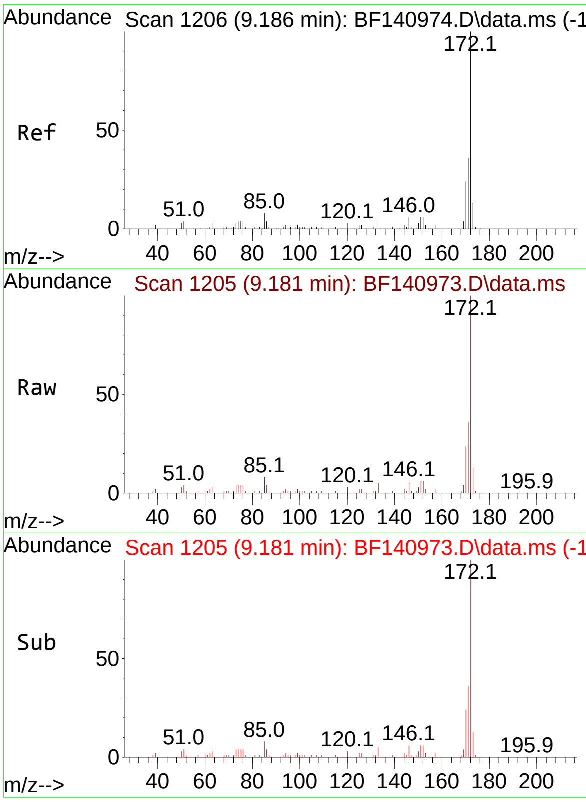
#44
2,4,5-Trichlorophenol
Concen: 20.108 ng
RT: 9.128 min Scan# 1196
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:196 Resp: 215889

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

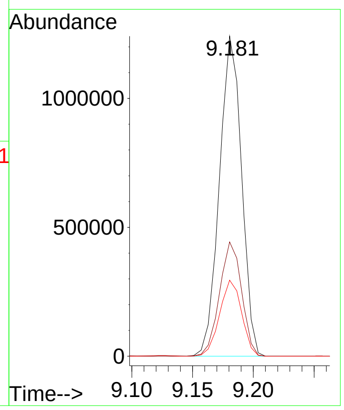


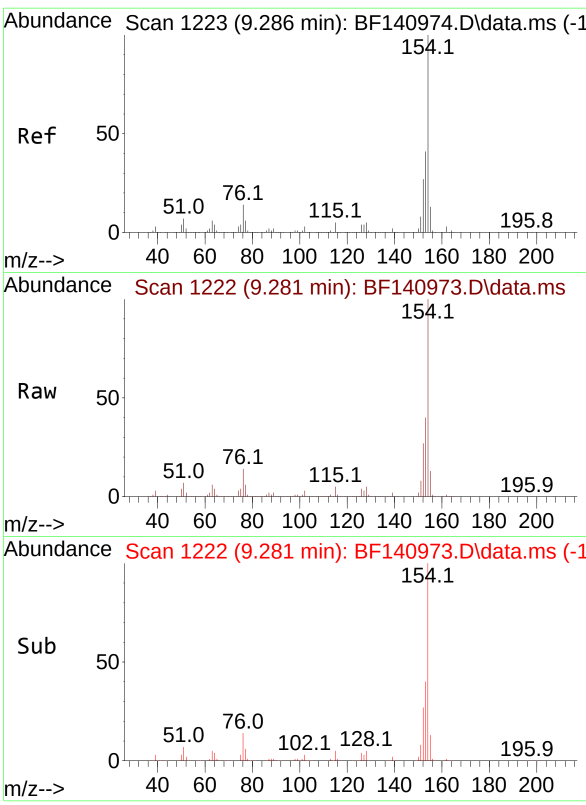
Instrument :
BNA_F
ClientSampleId :
SSTDICC020




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

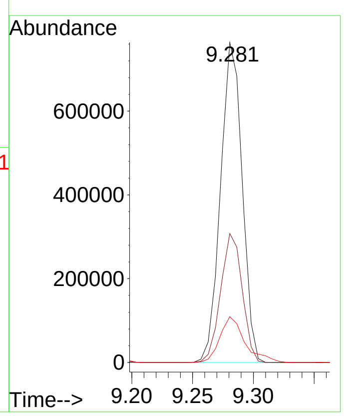
Tgt Ion:172 Resp: 1579020
Ion  Ratio  Lower  Upper
172  100
171   35.7   29.0   43.4
170   23.7   19.6   29.4
```



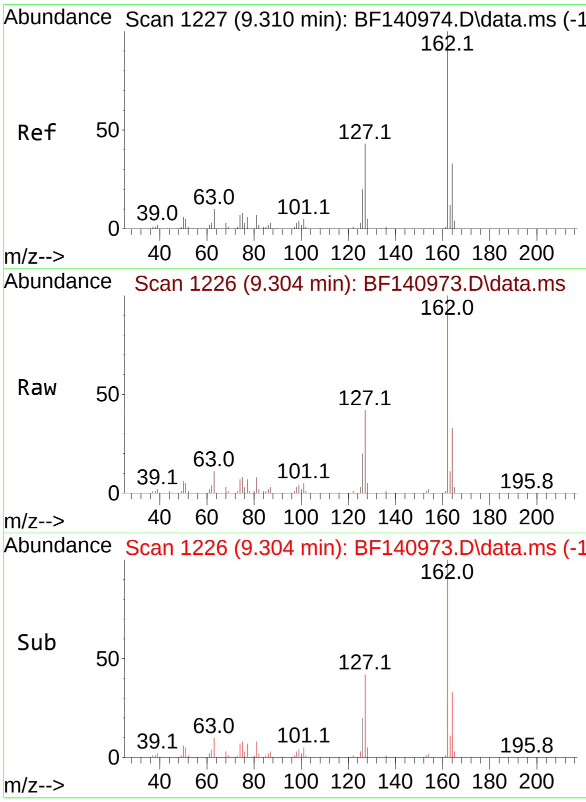



```
#46
1,1'-Biphenyl
Concen:   21.562 ng
RT:   9.281 min  Scan# 1222
Delta R.T.  -0.005 min
Lab File:   BF140973.D
Acq: 26 Dec 2024  17:41

Tgt Ion:154 Resp:  946134
Ion  Ratio  Lower  Upper
154  100
153   40.3   20.9   60.9
 76   14.3    0.0   34.0
```



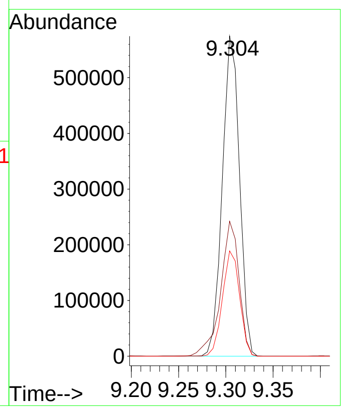
Instrument : BNA_F
ClientSampleId : SSTDICC020

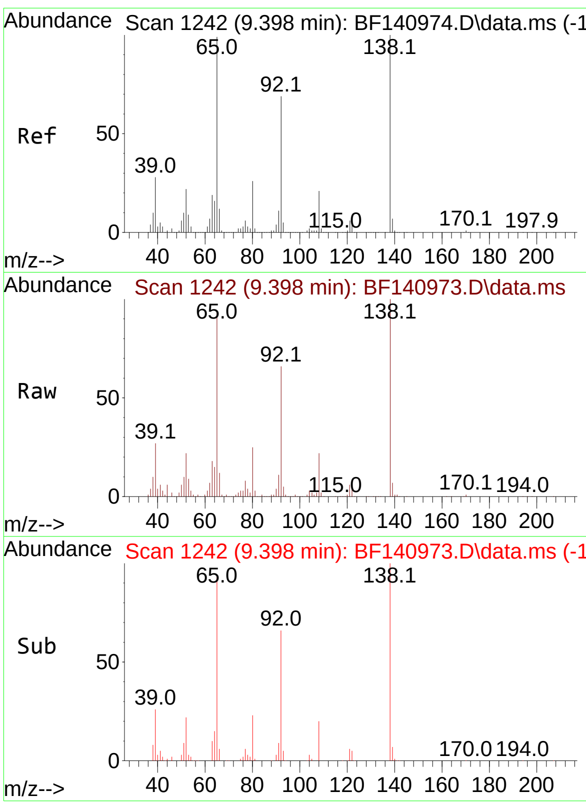


#47
2-Chloronaphthalene
Concen: 21.387 ng
RT: 9.304 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:162 Resp: 727825

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

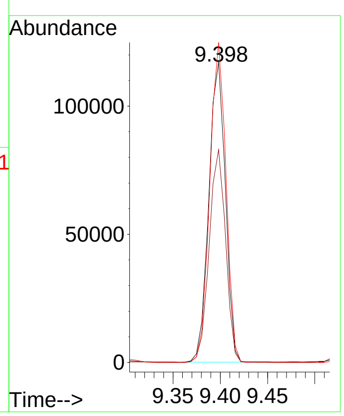




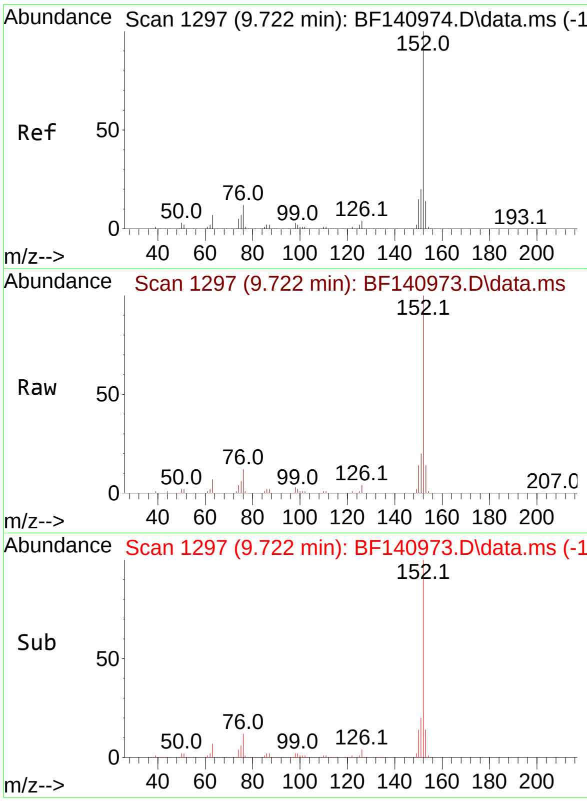
#48
2-Nitroaniline
Concen: 19.054 ng
RT: 9.398 min Scan# 1242
Delta R.T. 0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion: 65 Resp: 142035

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



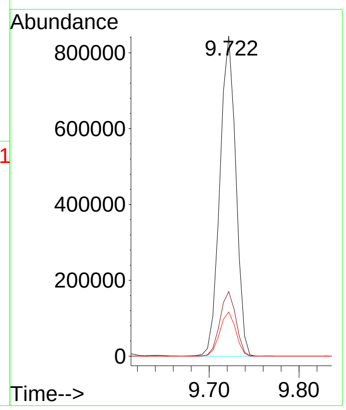
Instrument : BNA_F
ClientSampleId : SSTDICC020

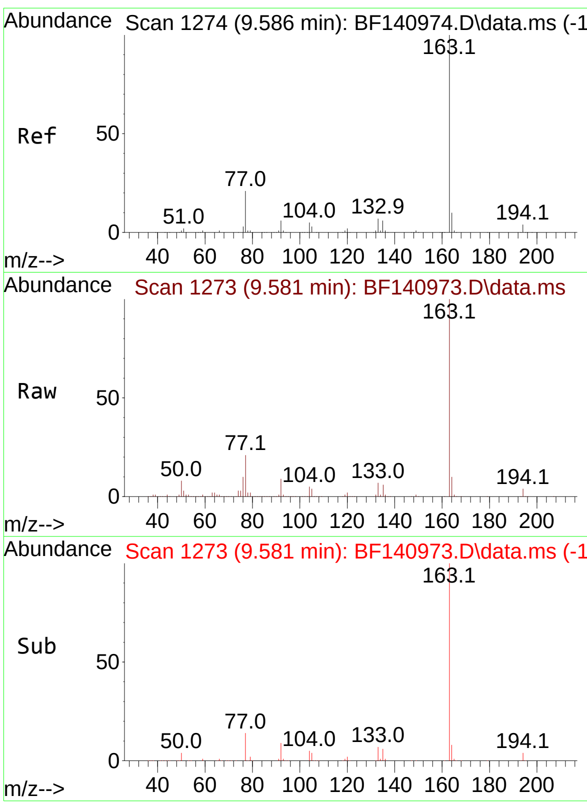


#49
Acenaphthylene
Concen: 21.333 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:152 Resp: 1045099

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

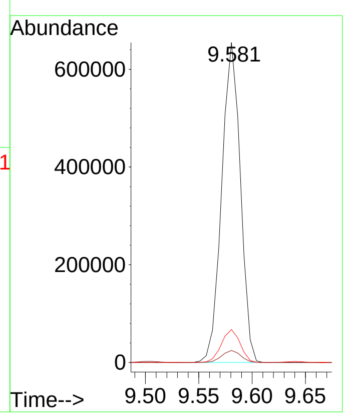




#50
Dimethylphthalate
Concen: 21.121 ng
RT: 9.581 min Scan# 1273
Delta R.T. -0.005 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

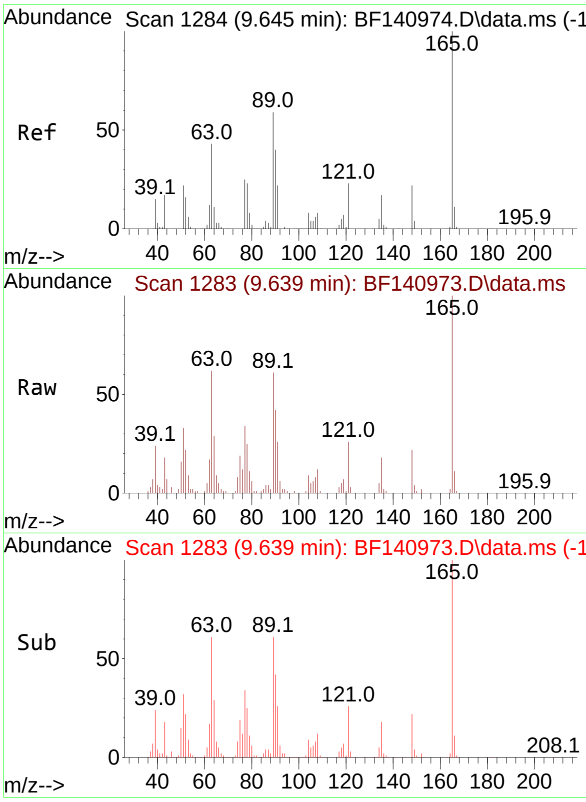
Tgt Ion:163 Resp: 796157

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



ICAL Form

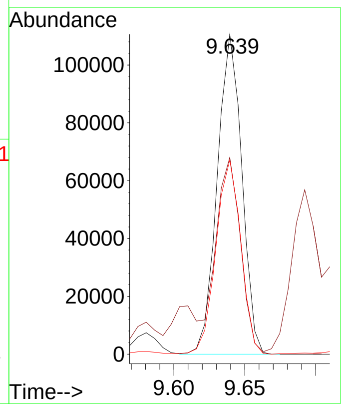
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

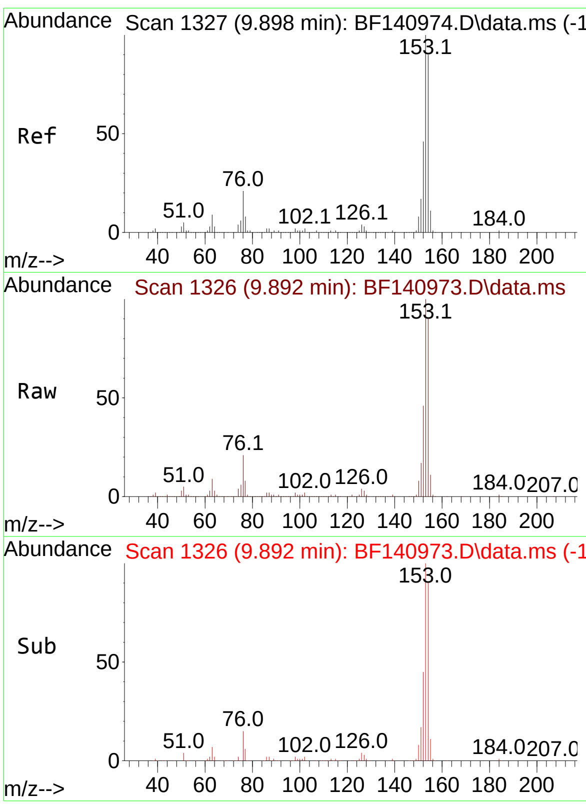


#51
2,6-Dinitrotoluene
Concen: 19.707 ng
RT: 9.639 min   Scan# 1
Delta R.T.   -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024   17:41

Tgt Ion:165 Resp: 133566

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

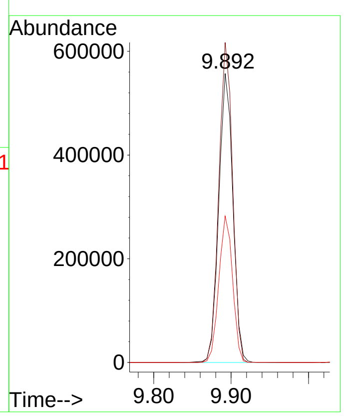




#52
Acenaphthene
Concen: 21.265 ng
RT: 9.892 min   Scan# 1326
Delta R.T.   -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024   17:41

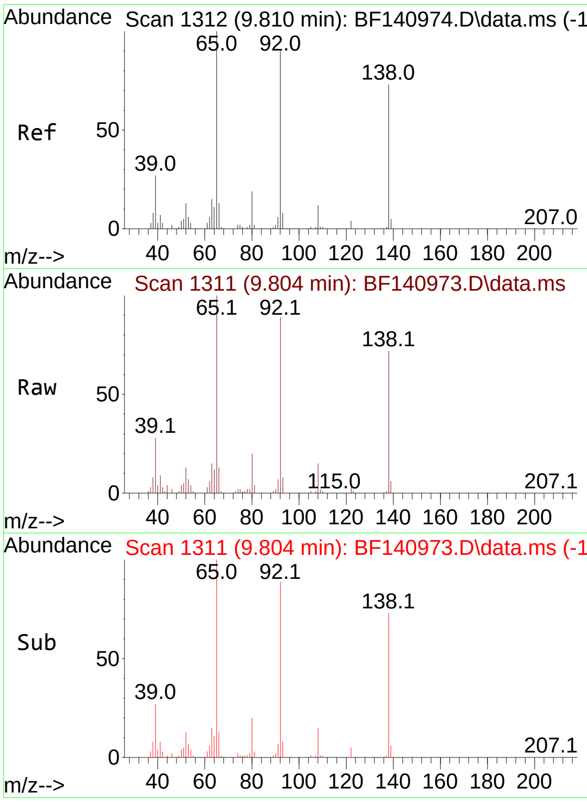
Tgt Ion:154 Resp: 704299

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



ICAL Form

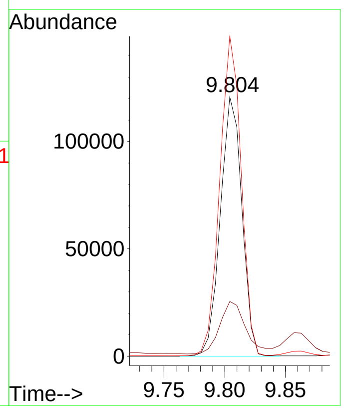
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

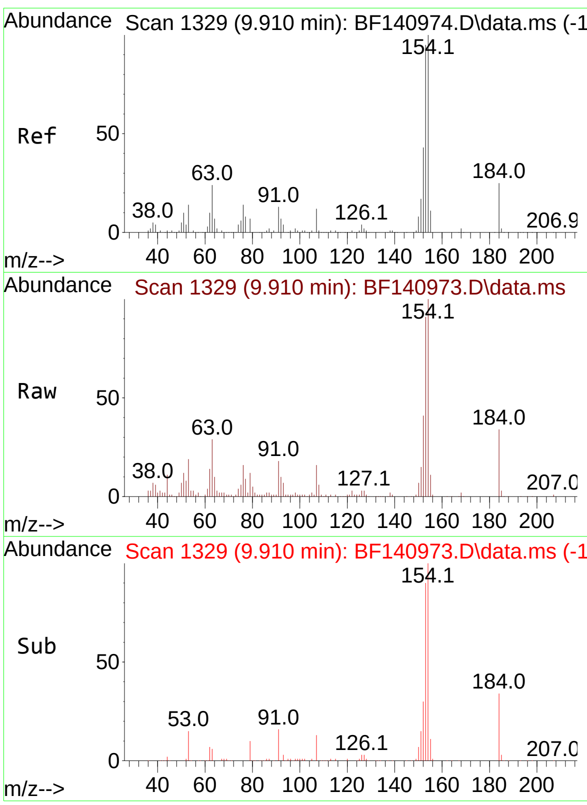


#53
3-Nitroaniline
Concen: 19.906 ng
RT: 9.804 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:138 Resp: 149270

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

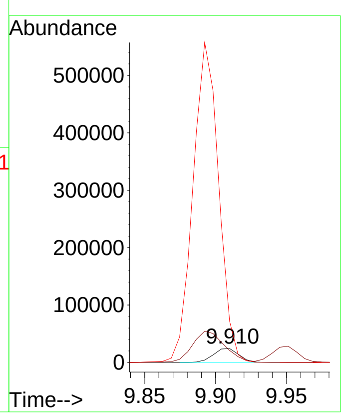




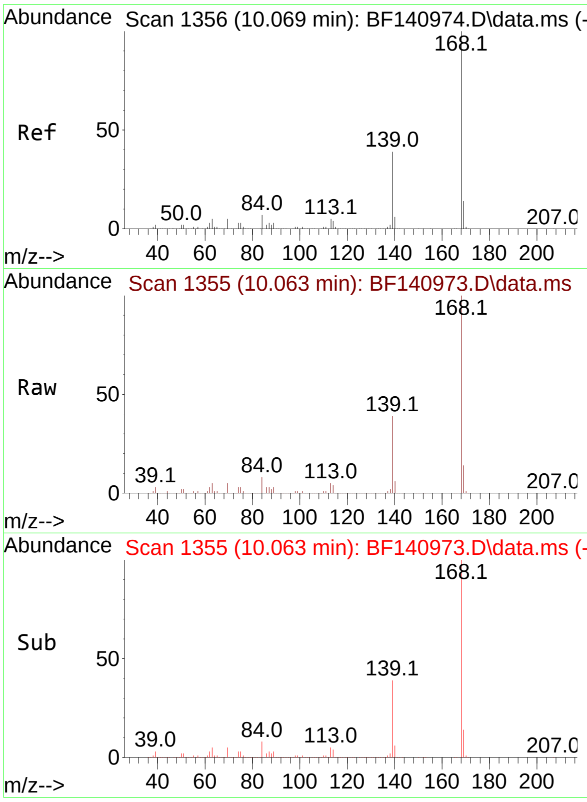
#54
2,4-Dinitrophenol
Concen: 19.424 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:184 Resp: 30382

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



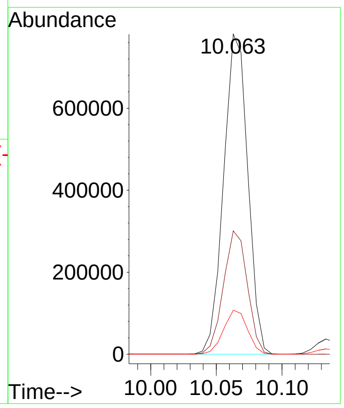
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

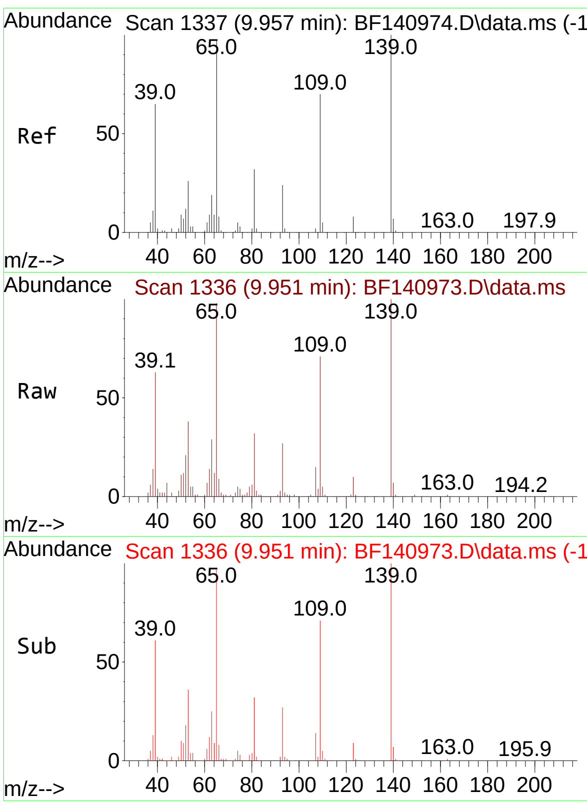


#55
Dibenzofuran
Concen: 21.463 ng
RT: 10.063 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:168 Resp: 999002

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

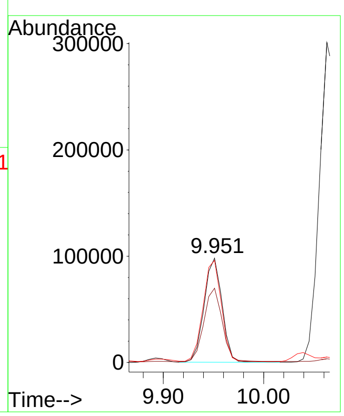




#56
4-Nitrophenol
Concen: 18.962 ng
RT: 9.951 min Scan# 1336
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

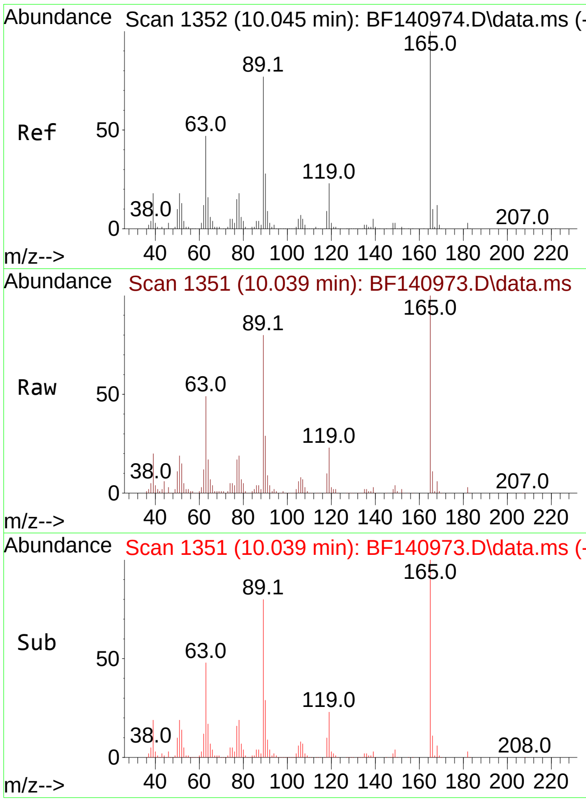
Tgt Ion:139 Resp: 122269

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



ICAL Form

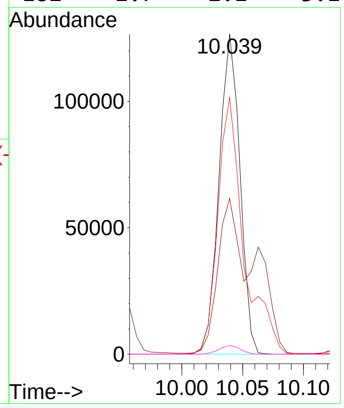
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

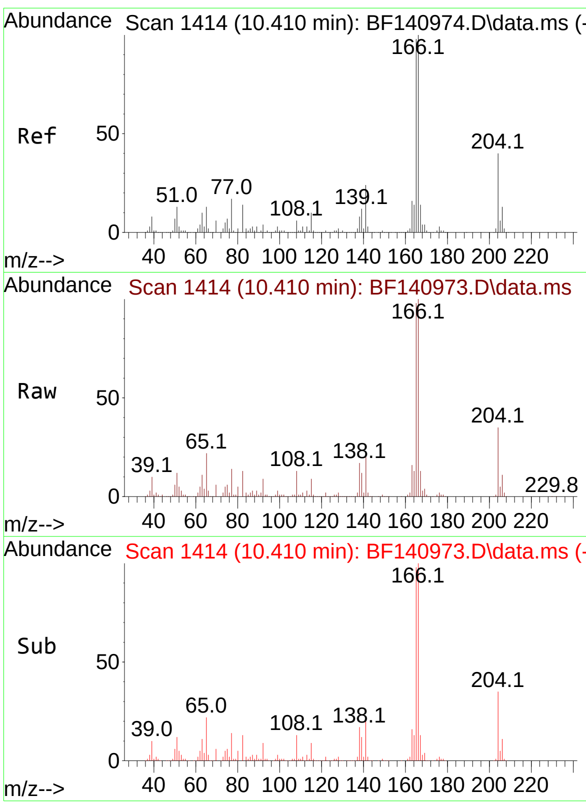


#57
2,4-Dinitrotoluene
Concen: 19.116 ng
RT: 10.039 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:165 Resp: 151712

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

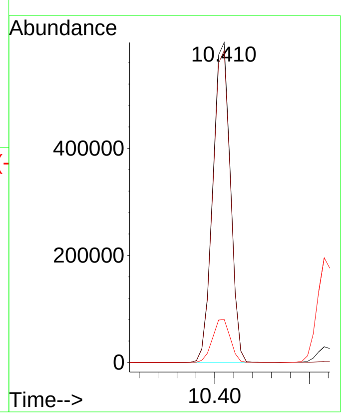




#58
Fluorene
Concen: 21.447 ng
RT: 10.410 min Scan# 1414
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

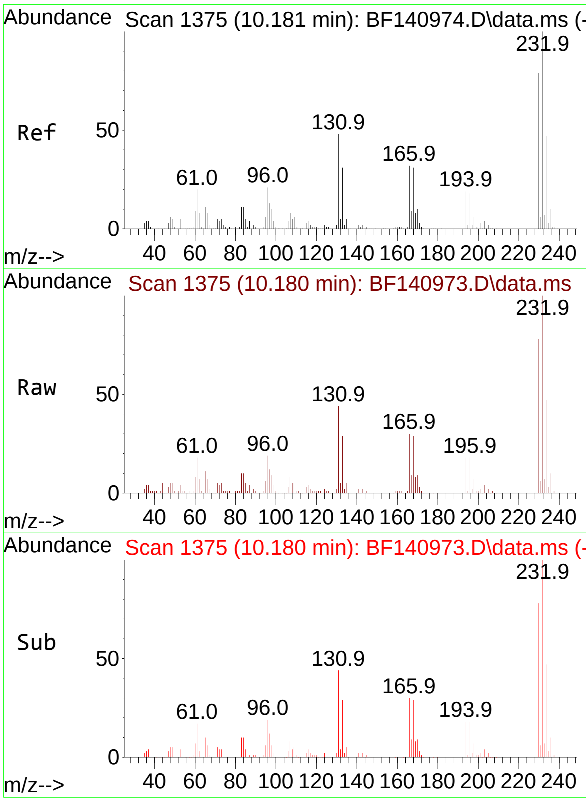
Tgt Ion:166 Resp: 774090

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



ICAL Form

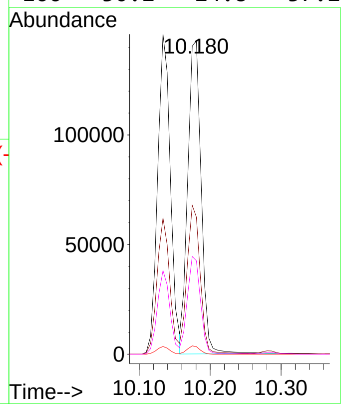
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

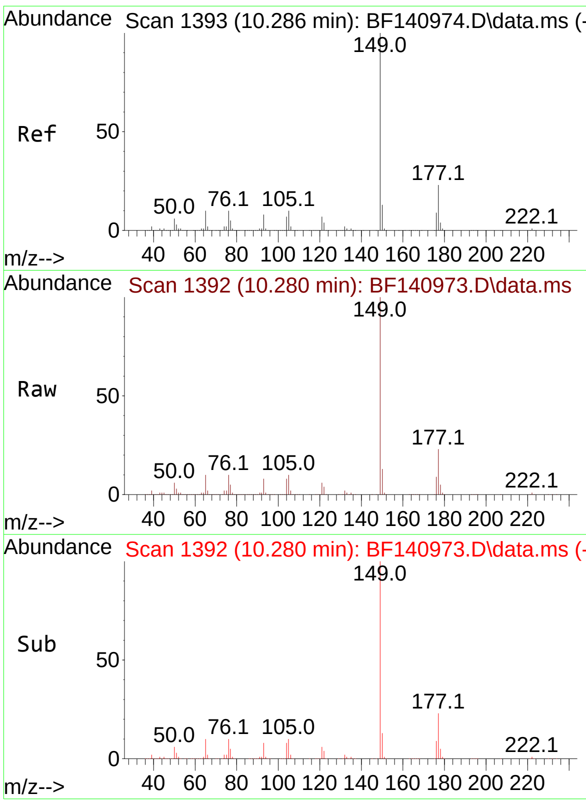


#59
2,3,4,6-Tetrachlorophenol
Concen: 21.084 ng
RT: 10.180 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:232 Resp: 187475

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

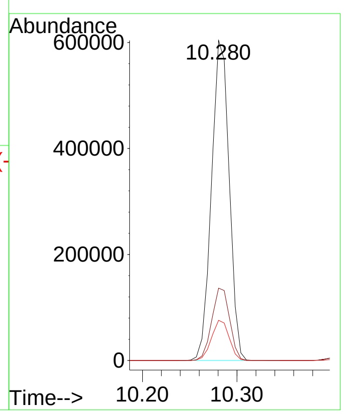




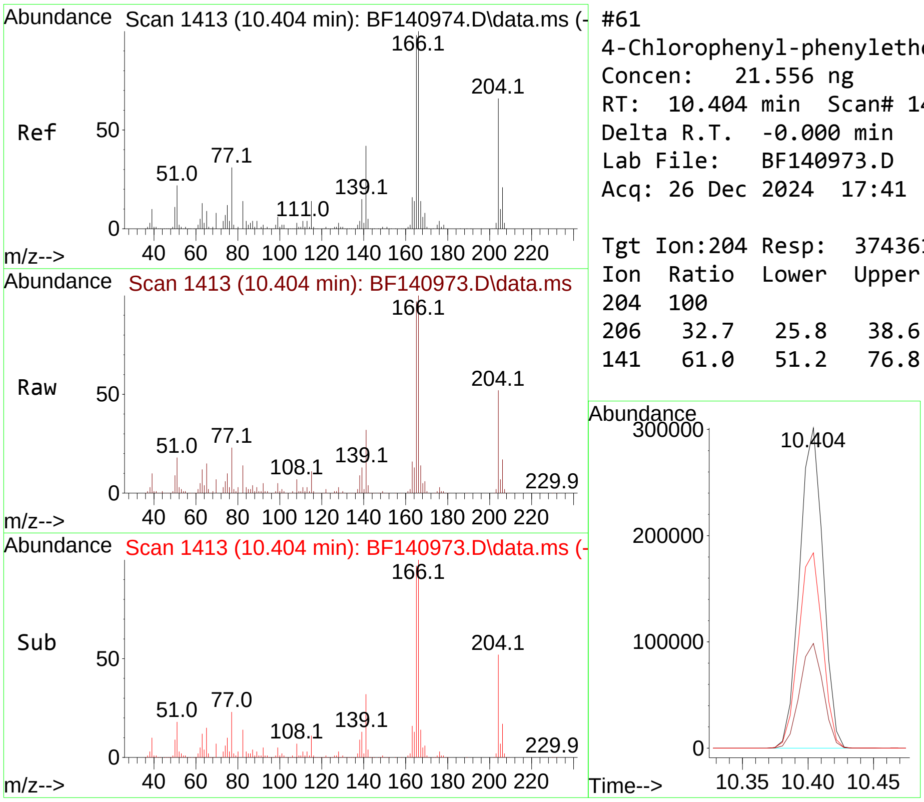
#60
Diethylphthalate
Concen: 21.089 ng
RT: 10.280 min Scan# 1392
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:149 Resp: 784780

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



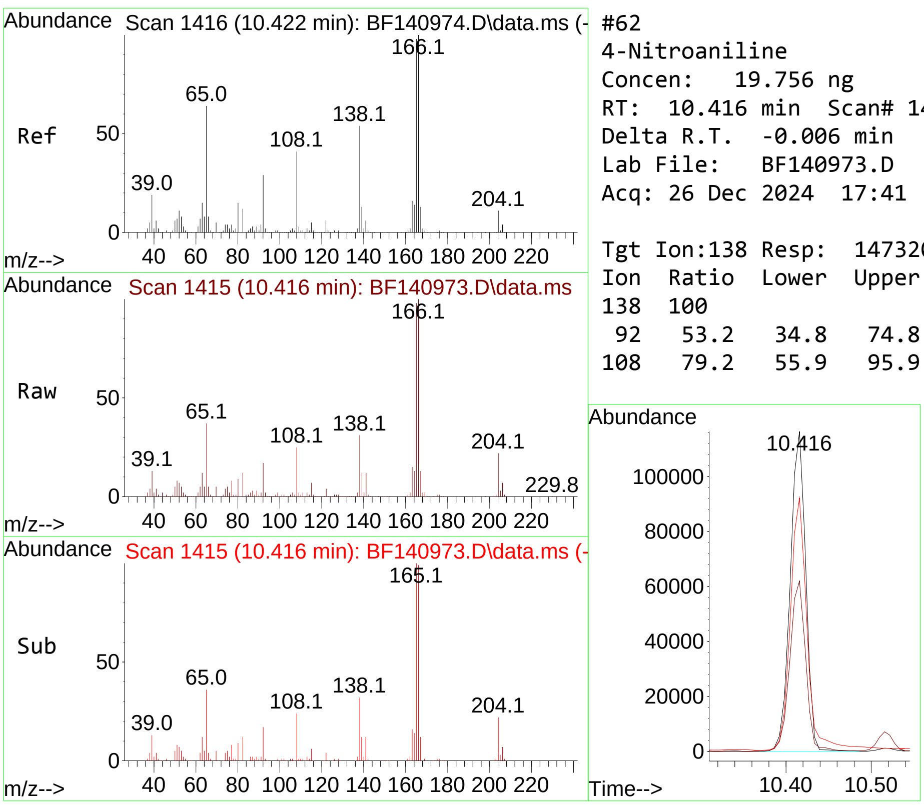
Instrument :
BNA_F
ClientSampleId :
SSTDICC020



#61
4-Chlorophenyl-phenylether
Concen: 21.556 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:204 Resp: 374361

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

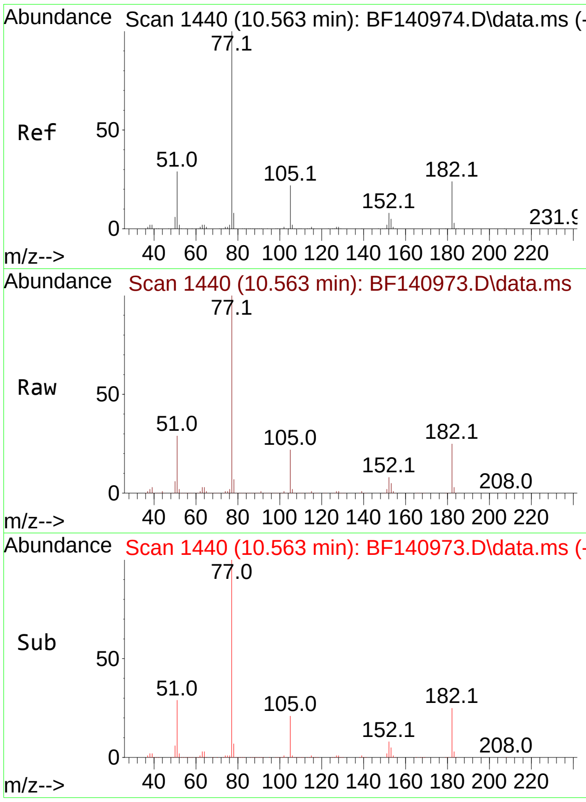


#62
4-Nitroaniline
Concen: 19.756 ng
RT: 10.416 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:138 Resp: 147320

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

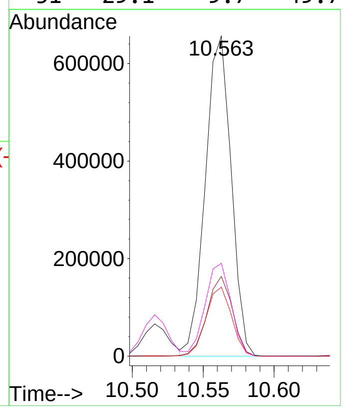
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

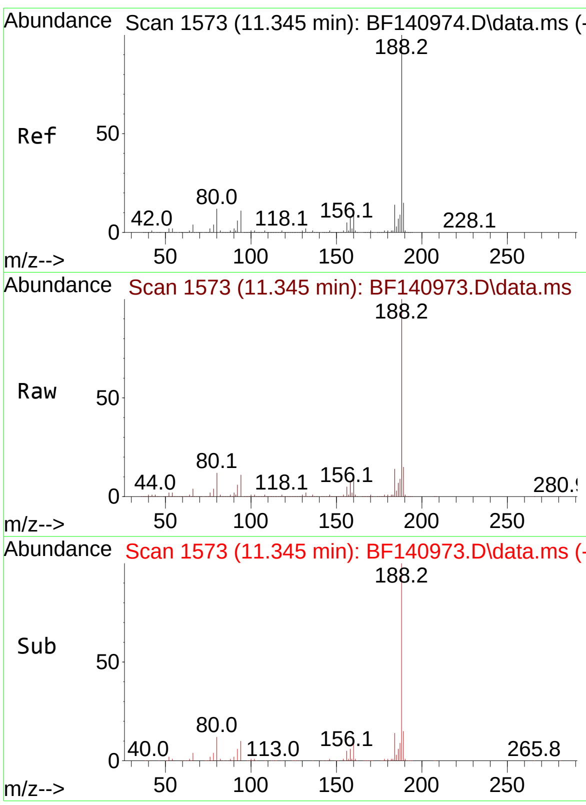


#63
Azobenzene
Concen: 21.240 ng
RT: 10.563 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion: 77 Resp: 829641

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

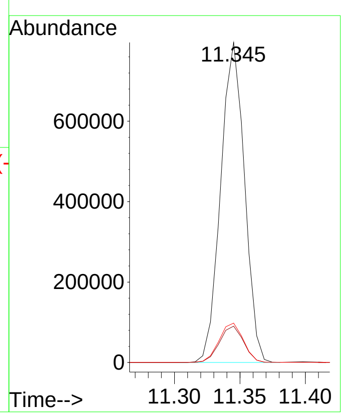




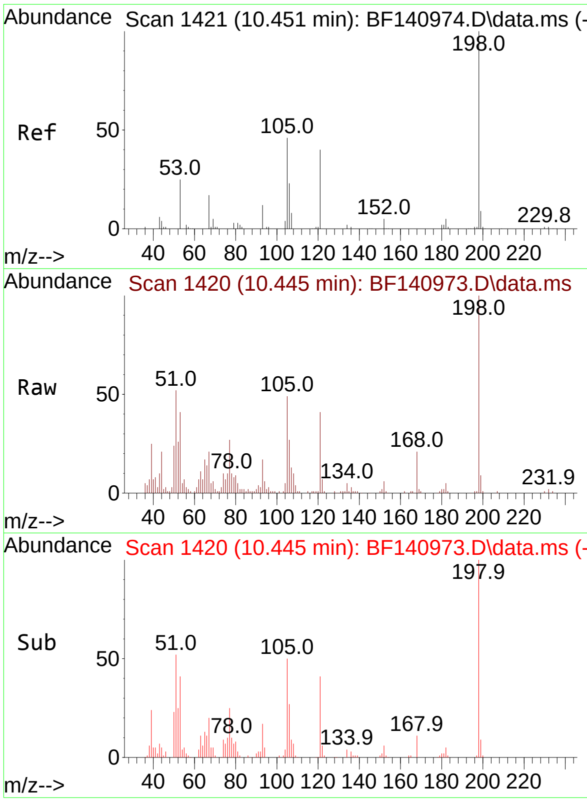
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:188 Resp: 1007534

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



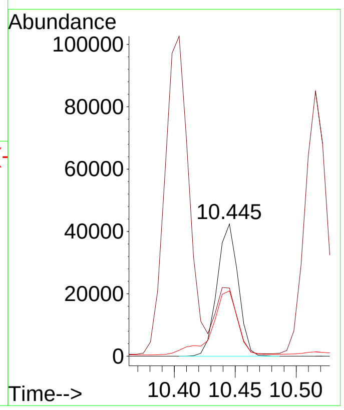
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

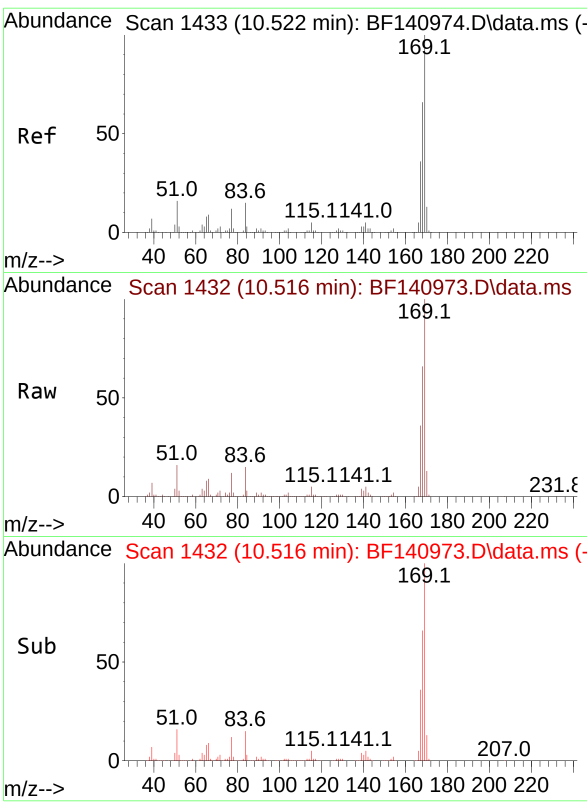


#65
4,6-Dinitro-2-methylphenol
Concen: 19.580 ng
RT: 10.445 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:198 Resp: 51061

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

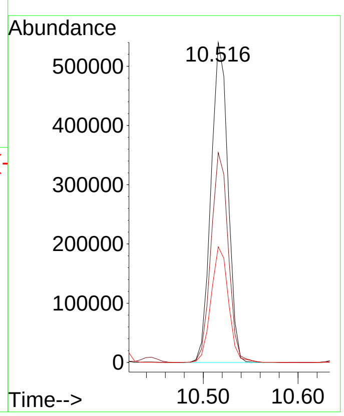




#66
n-Nitrosodiphenylamine
Concen: 21.221 ng
RT: 10.516 min Scan# 1432
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:169 Resp: 673269

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



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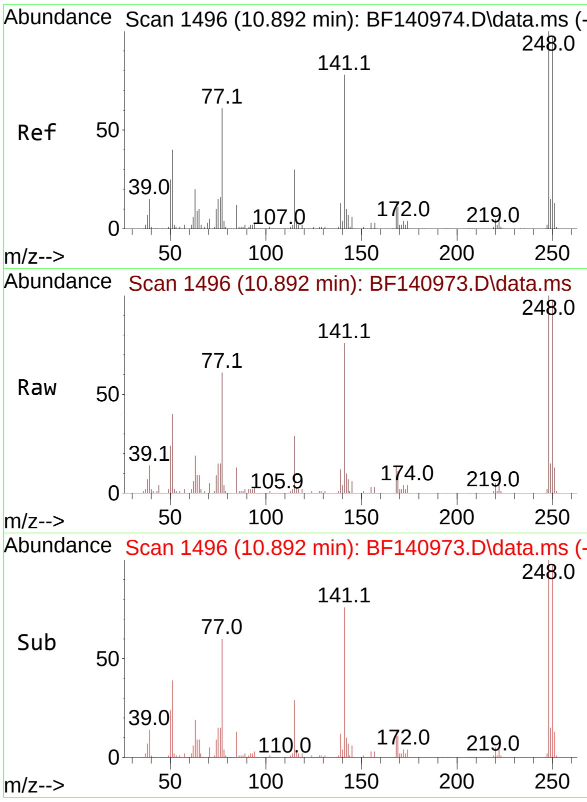


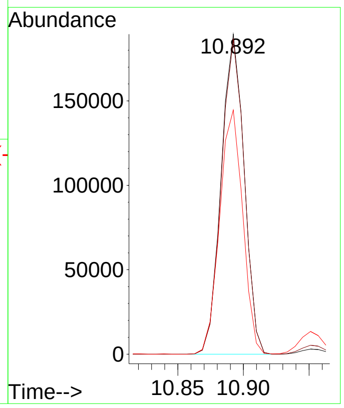
#67
4-Bromophenyl-phenylether
Concen: 21.137 ng
RT: 10.892 min Scan# 14

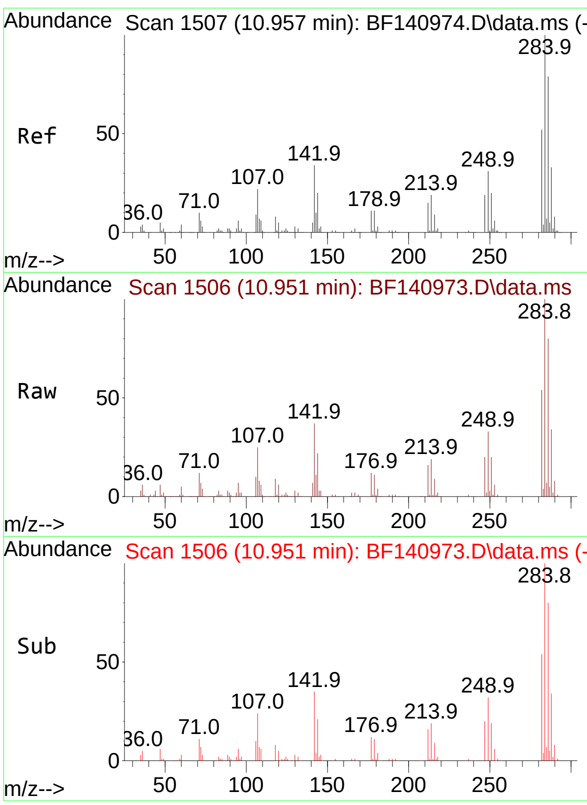
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:248 Resp: 230220

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

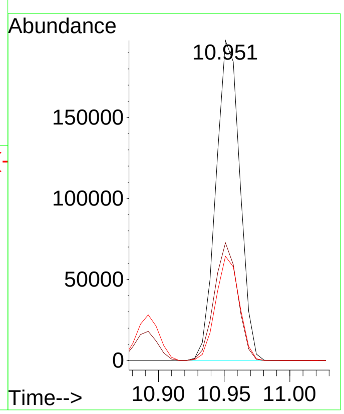




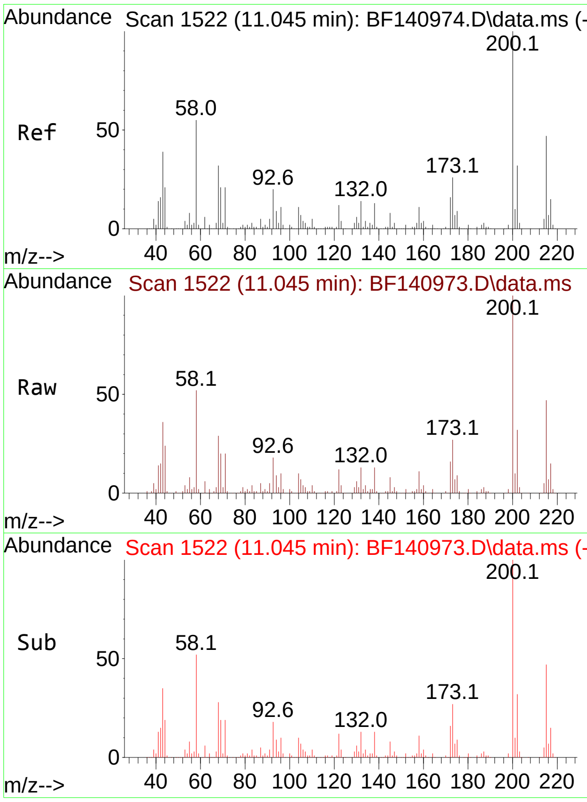
#68
Hexachlorobenzene
Concen: 20.861 ng
RT: 10.951 min Scan# 1506
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:284 Resp: 250540

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



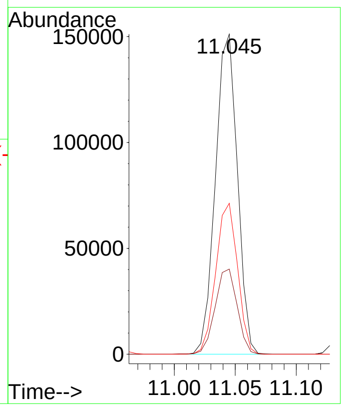
Instrument : BNA_F
ClientSampleId : SSTDICC020

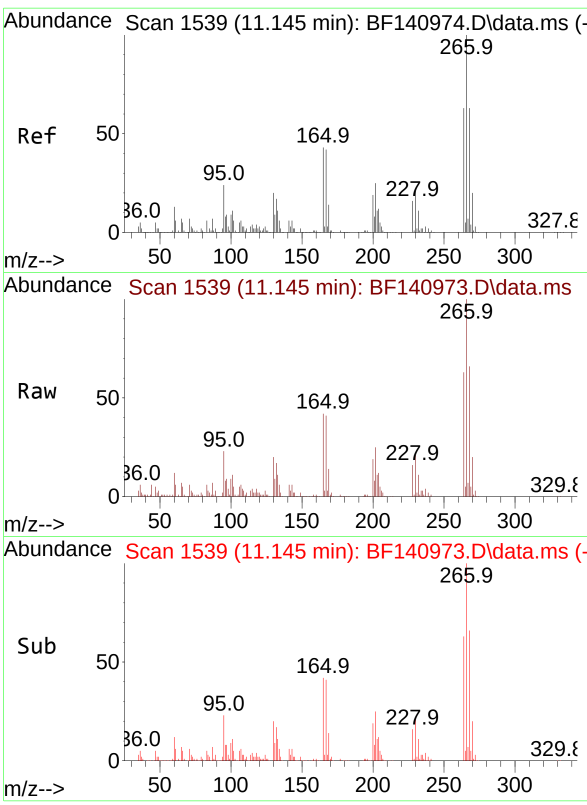


#69
Atrazine
Concen: 21.443 ng
RT: 11.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:200 Resp: 190058

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

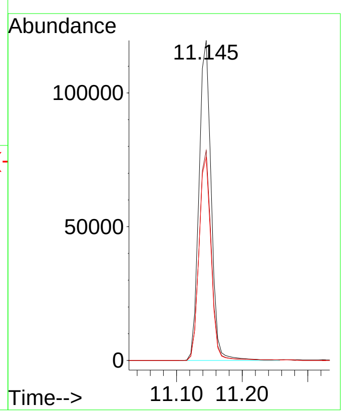




#70
Pentachlorophenol
Concen: 20.736 ng
RT: 11.145 min Scan# 1539
Delta R.T. 0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:266 Resp: 155053

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



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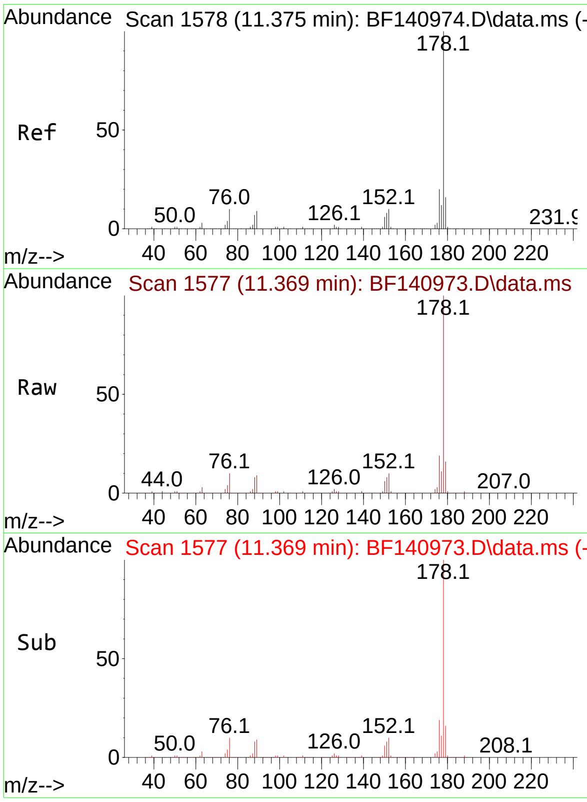
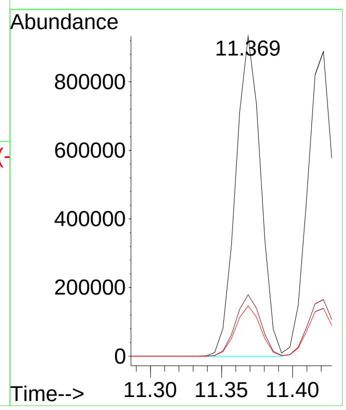
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

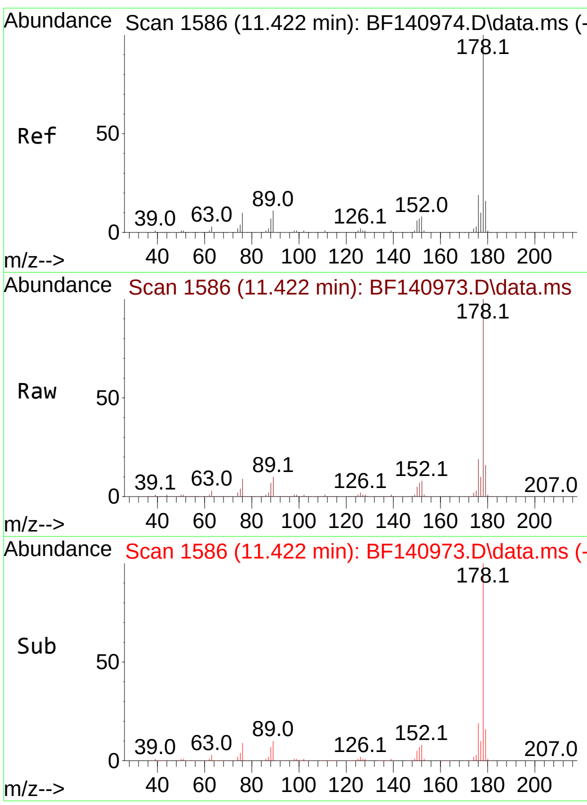


#71
Phenanthrene
Concen: 21.443 ng
RT: 11.369 min Scan# 1!
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:178 Resp: 1137057

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

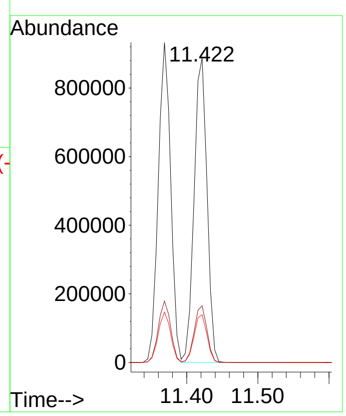




#72
Anthracene
Concen: 21.582 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

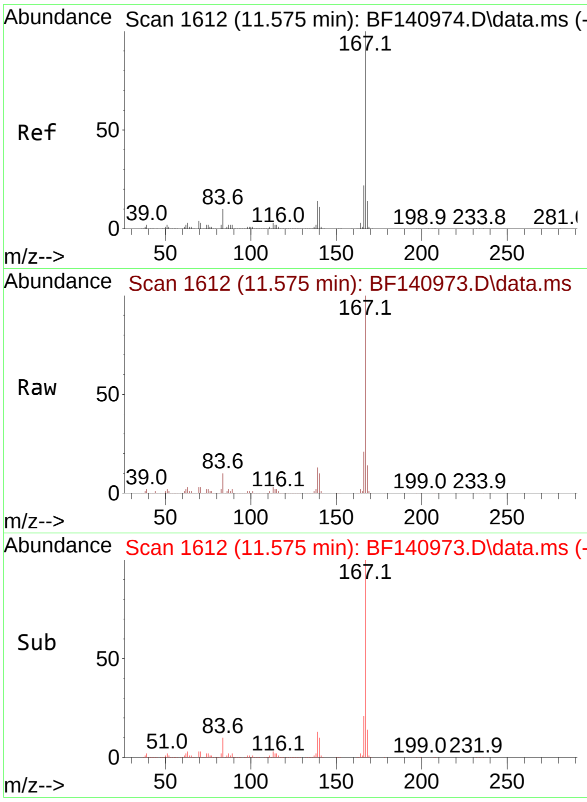
Tgt Ion:178 Resp: 1121403

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



ICAL Form

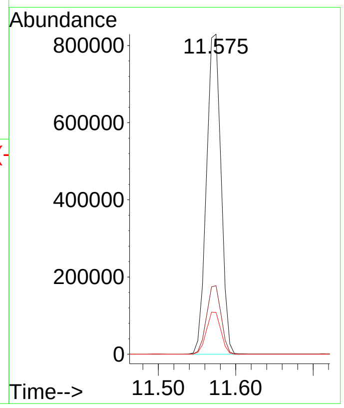
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

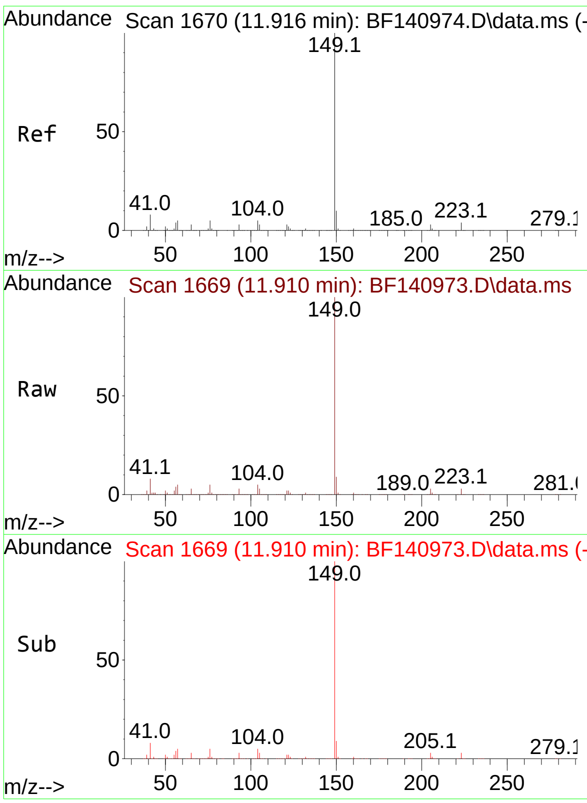


#73
Carbazole
Concen: 21.699 ng
RT: 11.575 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:167 Resp: 1083881

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

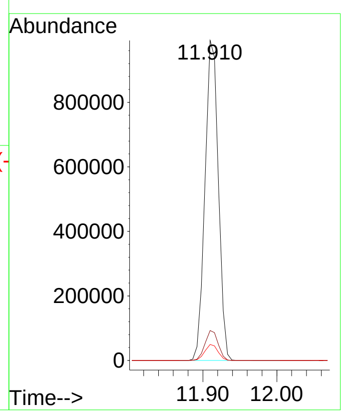




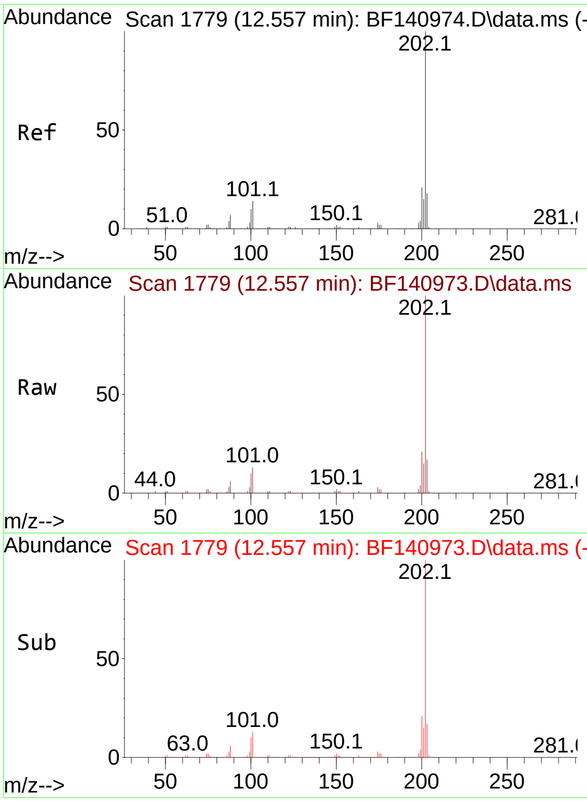
#74
Di-n-butylphthalate
Concen: 21.931 ng
RT: 11.910 min Scan# 1669
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:149 Resp: 1245979

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



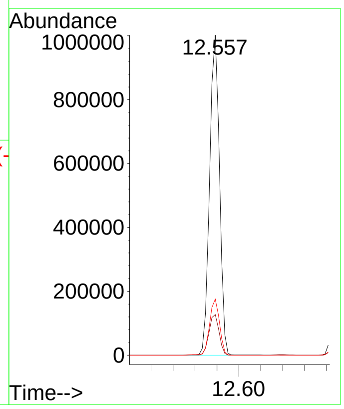
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

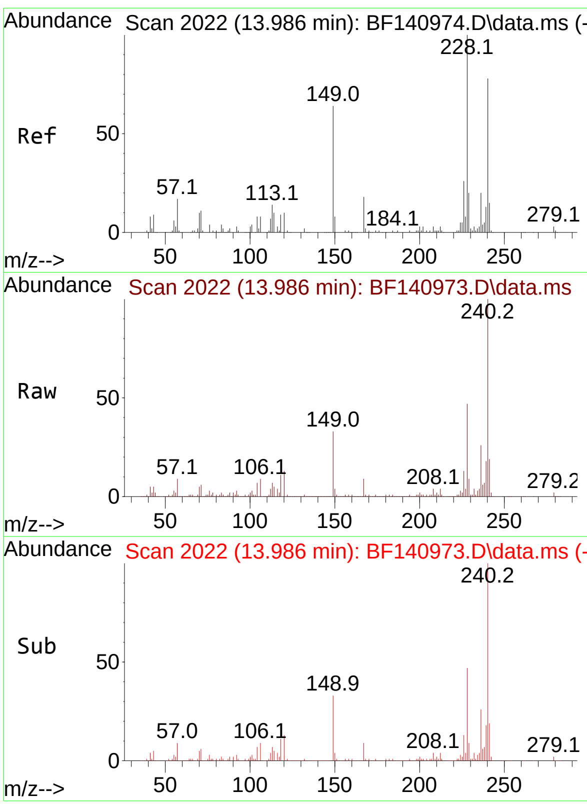


#75
Fluoranthene
Concen: 21.767 ng
RT: 12.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:202 Resp: 1251854

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

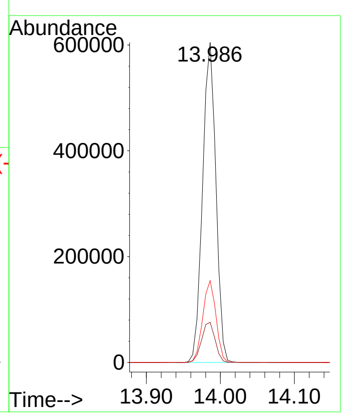




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

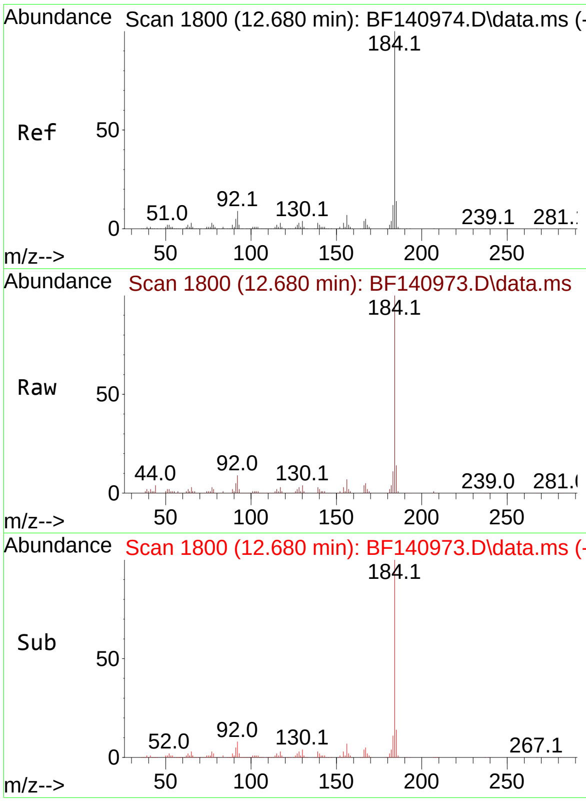
Tgt Ion:240 Resp: 755829

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



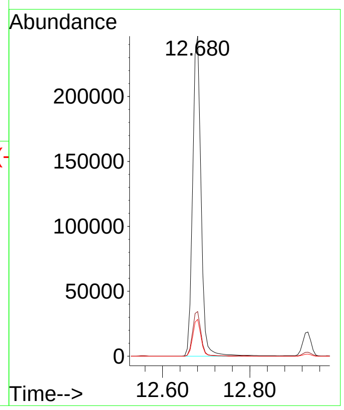
ICAL Form

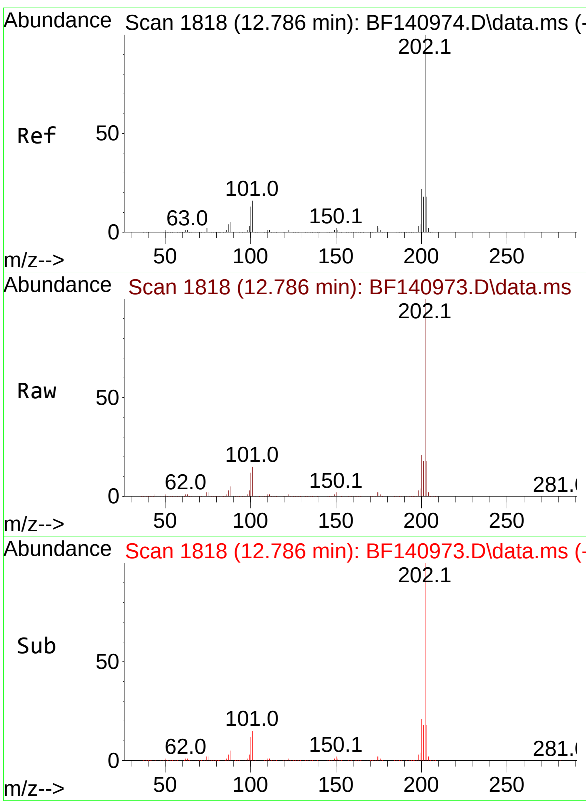
Instrument :
BNA_F
ClientSampleId :
SSTDICC020




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

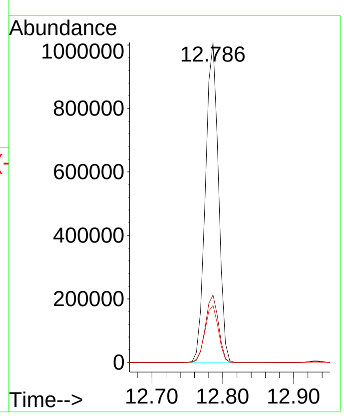
Tgt Ion:184 Resp:  330414
Ion  Ratio  Lower  Upper
184  100
185   14.0   11.4   17.2
183   11.5    9.4   14.0
```



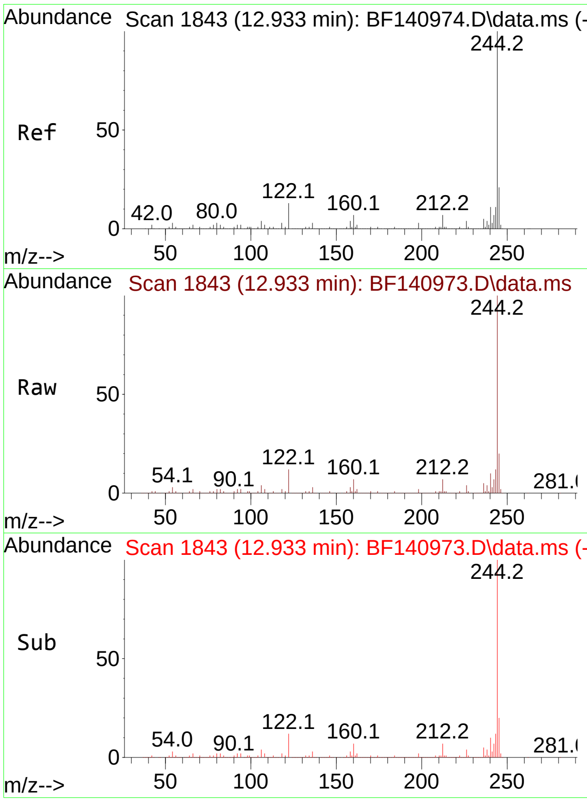



```
#78
Pyrene
Concen:   19.452 ng
RT:  12.786 min  Scan# 1818
Delta R.T.  -0.000 min
Lab File:   BF140973.D
Acq: 26 Dec 2024  17:41

Tgt Ion:202 Resp: 1285846
Ion  Ratio  Lower  Upper
202  100
200   21.1   17.3   25.9
203   17.9   14.6   21.8
```



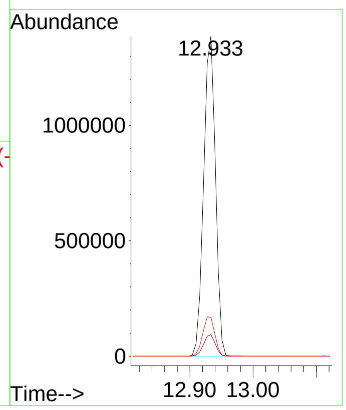
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

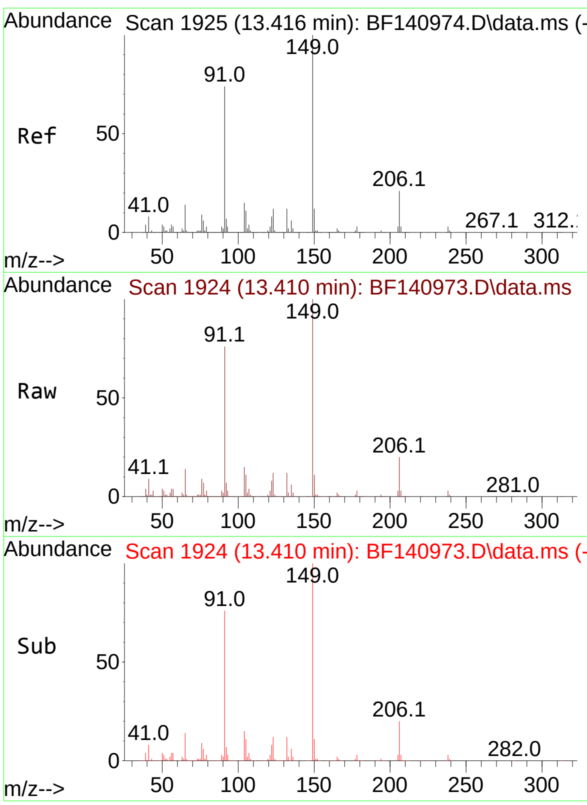


#79
Terphenyl-d14
Concen: 39.463 ng
RT: 12.933 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:244 Resp: 1795750

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

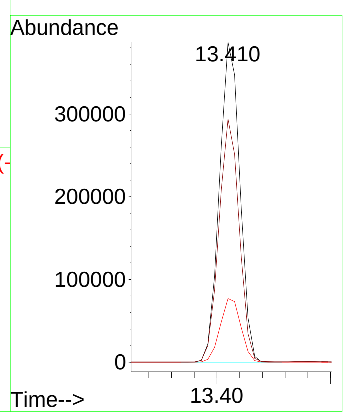




#80
Butylbenzylphthalate
Concen: 20.036 ng
RT: 13.410 min Scan# 1924
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

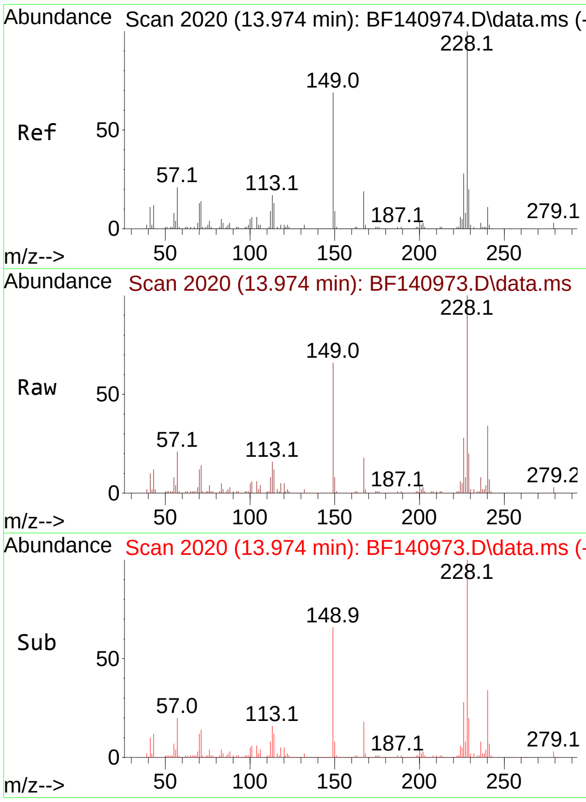
Tgt Ion:149 Resp: 483615

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



ICAL Form

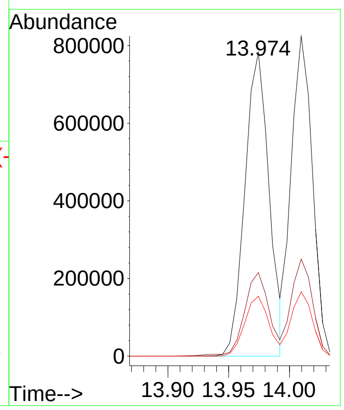
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

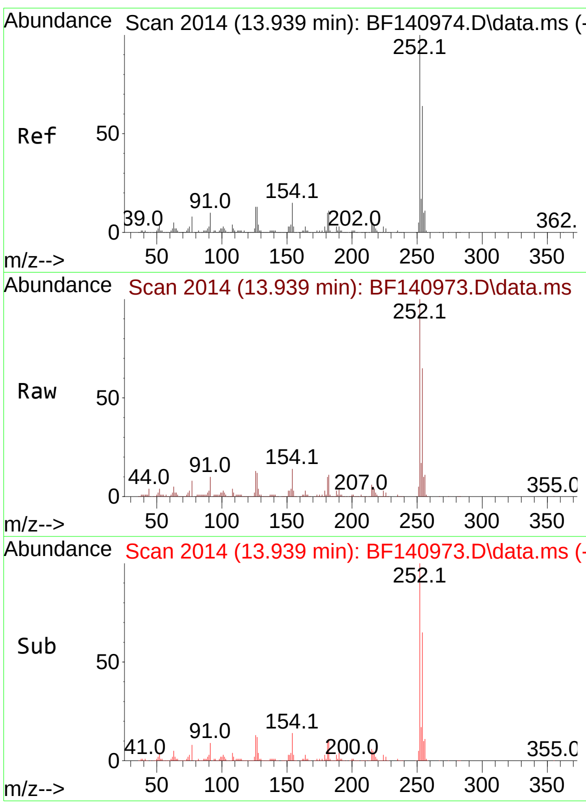


#81
Benzo(a)anthracene
Concen: 20.620 ng
RT: 13.974 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:228 Resp: 1086206

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

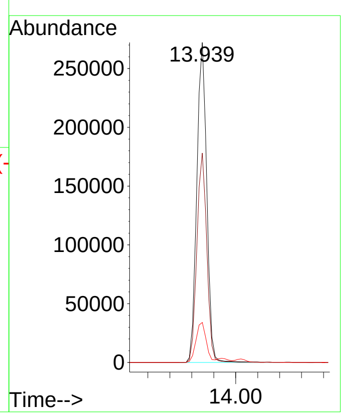




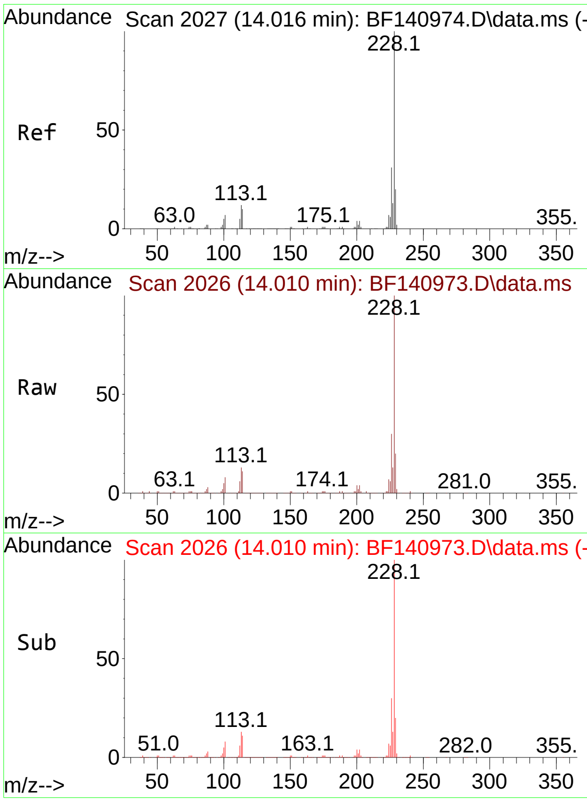
#82
3,3'-Dichlorobenzidine
Concen: 21.722 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:252 Resp: 343789

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



ICAL Form

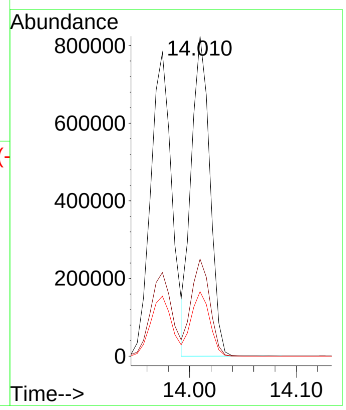


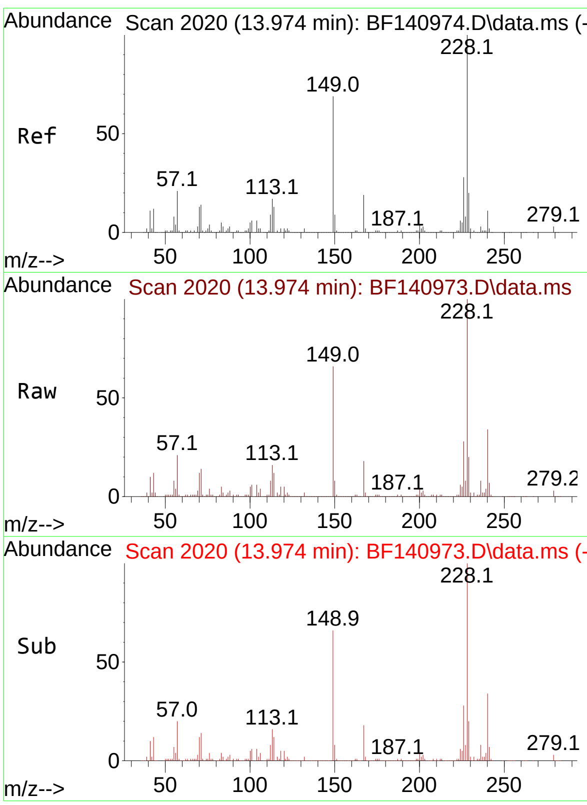
#83
Chrysene
Concen: 21.114 ng
RT: 14.010 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Instrument :
BNA_F
ClientSampleId :
SSTDICC020

Tgt Ion:228 Resp: 1002629

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

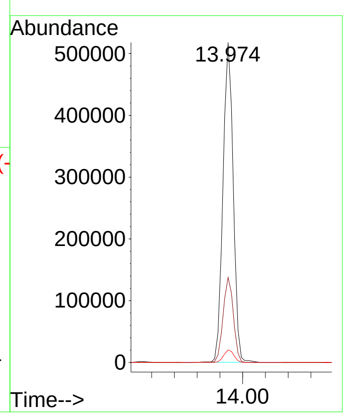




#84
Bis(2-ethylhexyl)phthalate
Concen: 20.731 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

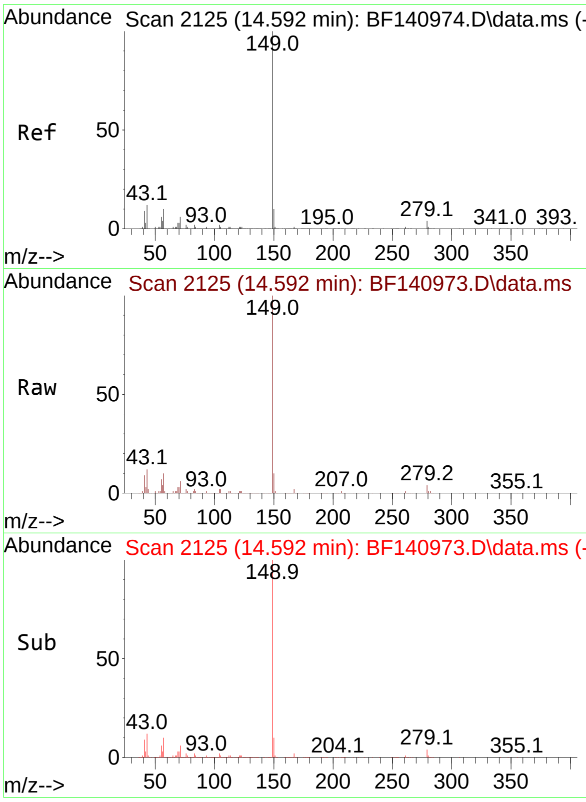
Tgt Ion:149 Resp: 649103

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



ICAL Form

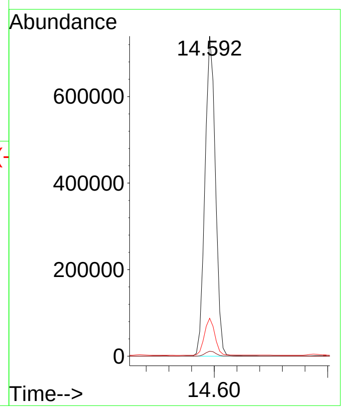
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

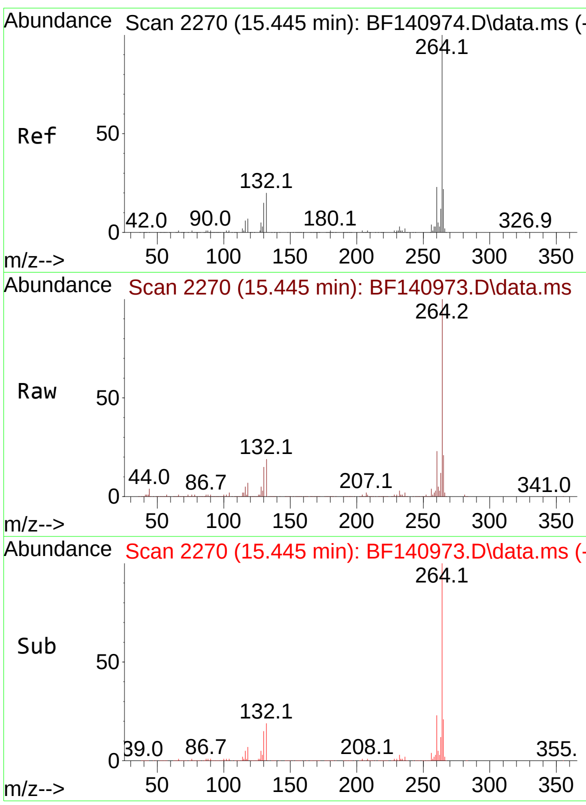


#85
Di-n-octyl phthalate
Concen: 20.891 ng
RT: 14.592 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:149 Resp: 946713

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

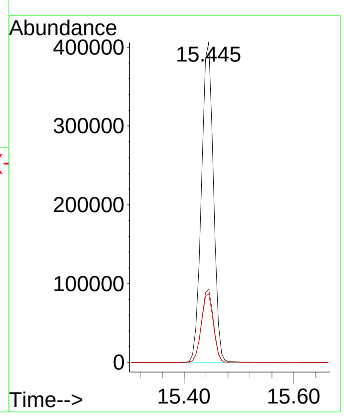




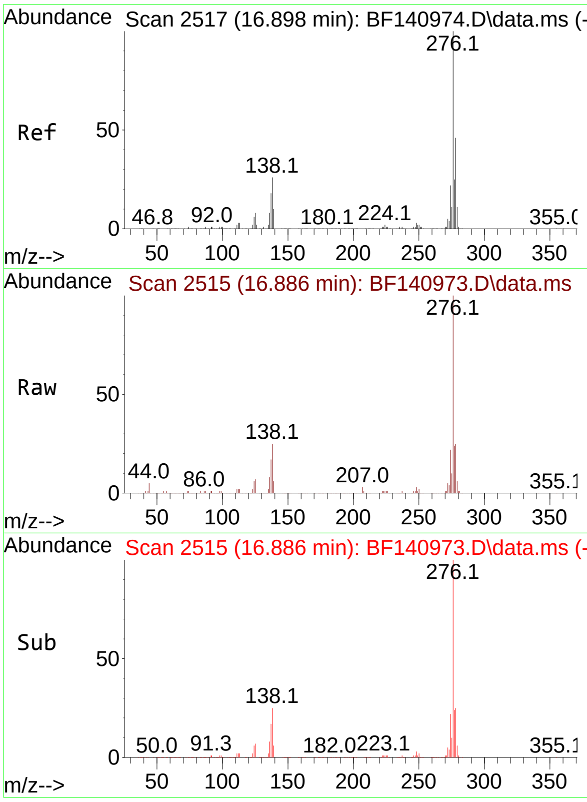
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2270
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:264 Resp: 616760

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



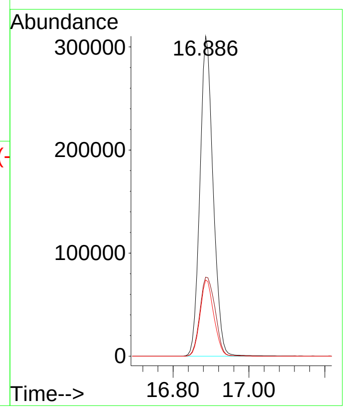
Instrument :
BNA_F
ClientSampleId :
SSTDICC020

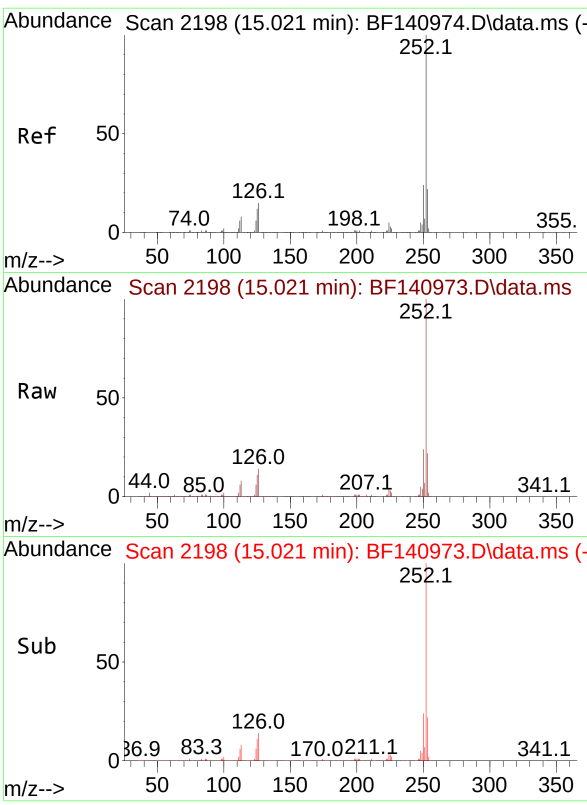


#87
Indeno(1,2,3-cd)pyrene
Concen: 19.433 ng
RT: 16.886 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:276 Resp: 755113

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

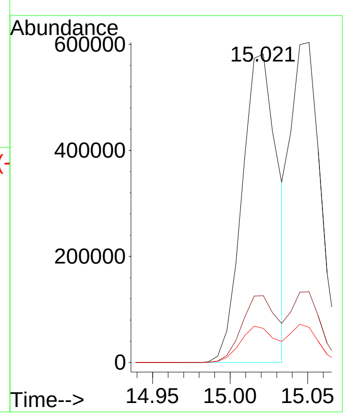




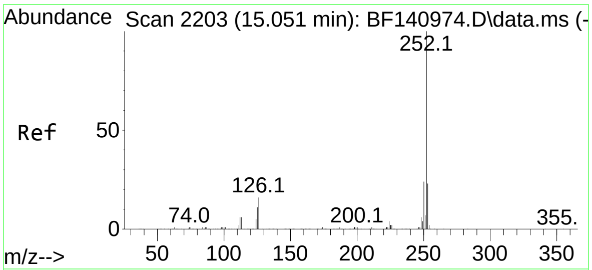
#88
Benzo(b)fluoranthene
Concen: 21.208 ng
RT: 15.021 min Scan# 2198
Delta R.T. -0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

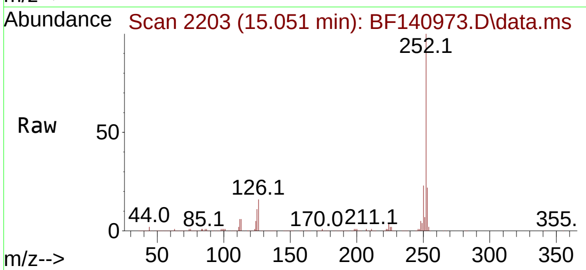
Tgt Ion:252 Resp: 912288

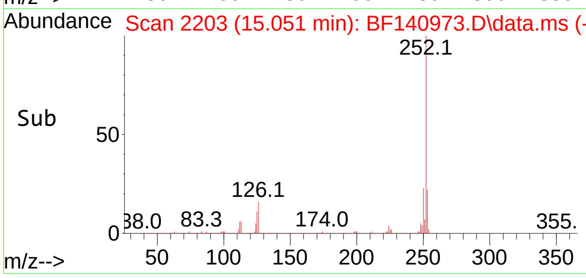
Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.7	26.5
125	11.1	9.3	13.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC020



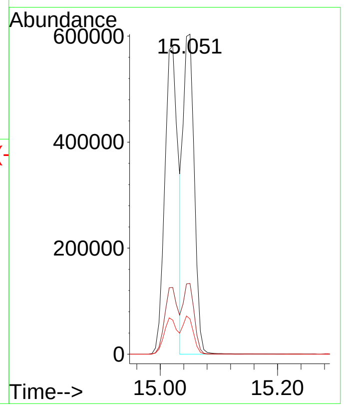


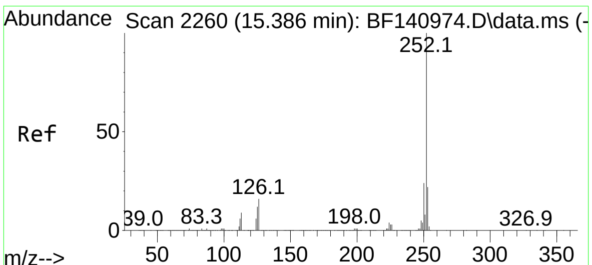


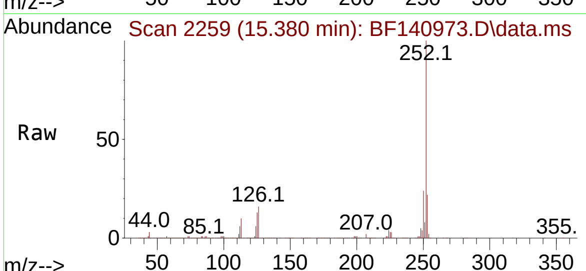
#89
Benzo(k)fluoranthene
Concen: 23.796 ng
RT: 15.051 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

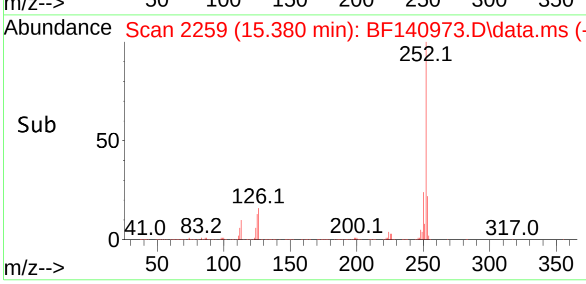
Tgt Ion:252 Resp: 802261

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





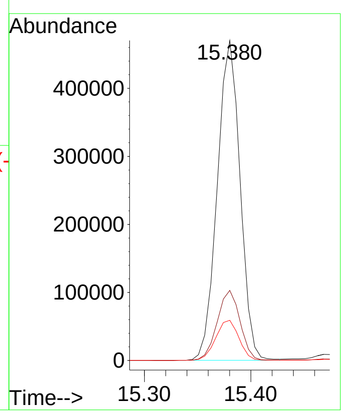




#90
Benzo(a)pyrene
Concen: 20.998 ng
RT: 15.380 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

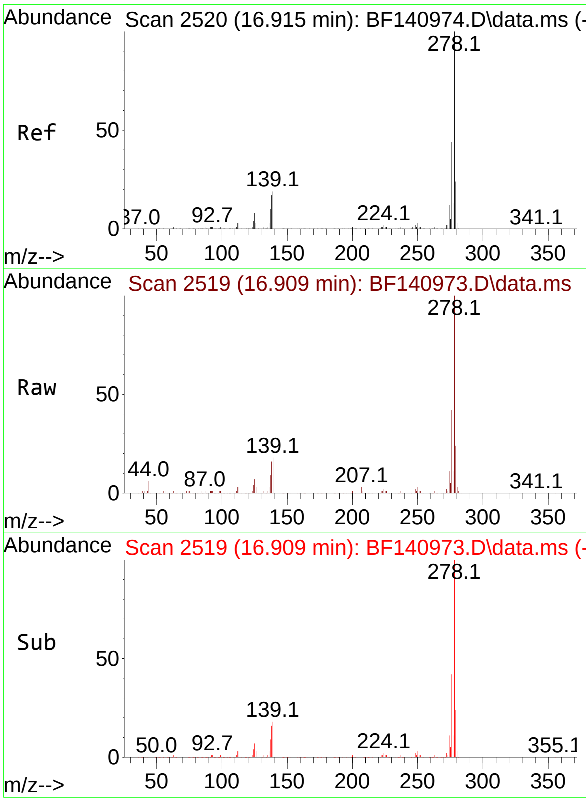
Tgt Ion:252 Resp: 701080

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



ICAL Form

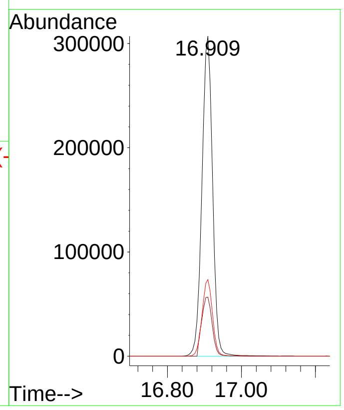
Instrument : BNA_F
ClientSampleId : SSTDICC020

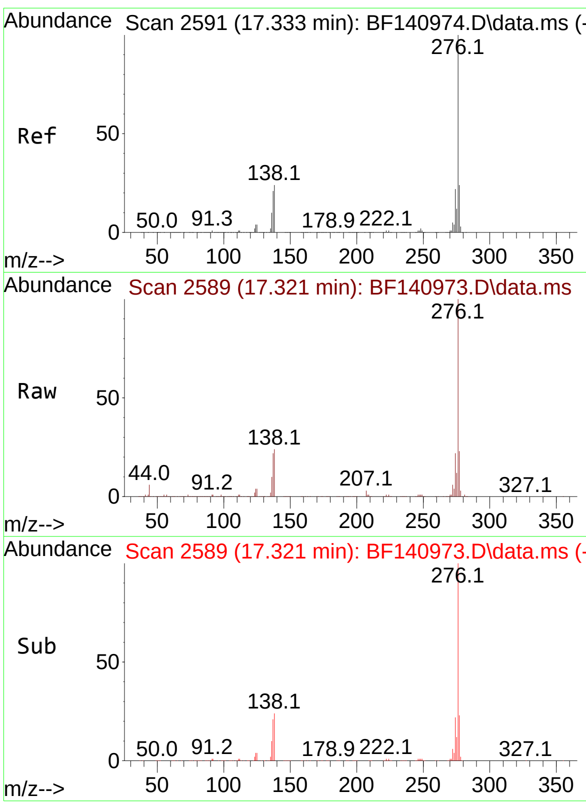


#91
Dibenzo(a,h)anthracene
Concen: 19.424 ng
RT: 16.909 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:278 Resp: 611811

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

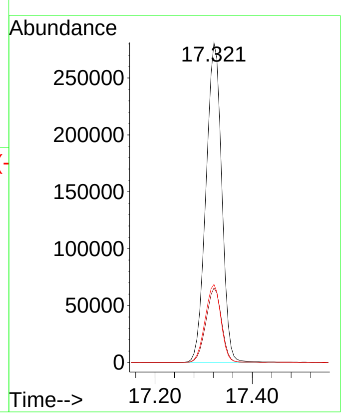




#92
Benzo(g,h,i)perylene
Concen: 19.314 ng
RT: 17.321 min Scan# 2589
Delta R.T. -0.012 min
Lab File: BF140973.D
Acq: 26 Dec 2024 17:41

Tgt Ion:276 Resp: 630980

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



ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

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

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

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

Quantitation Report (QT Reviewed)

ICAL Form

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

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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

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

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

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

Quantitation Report (QT Reviewed)

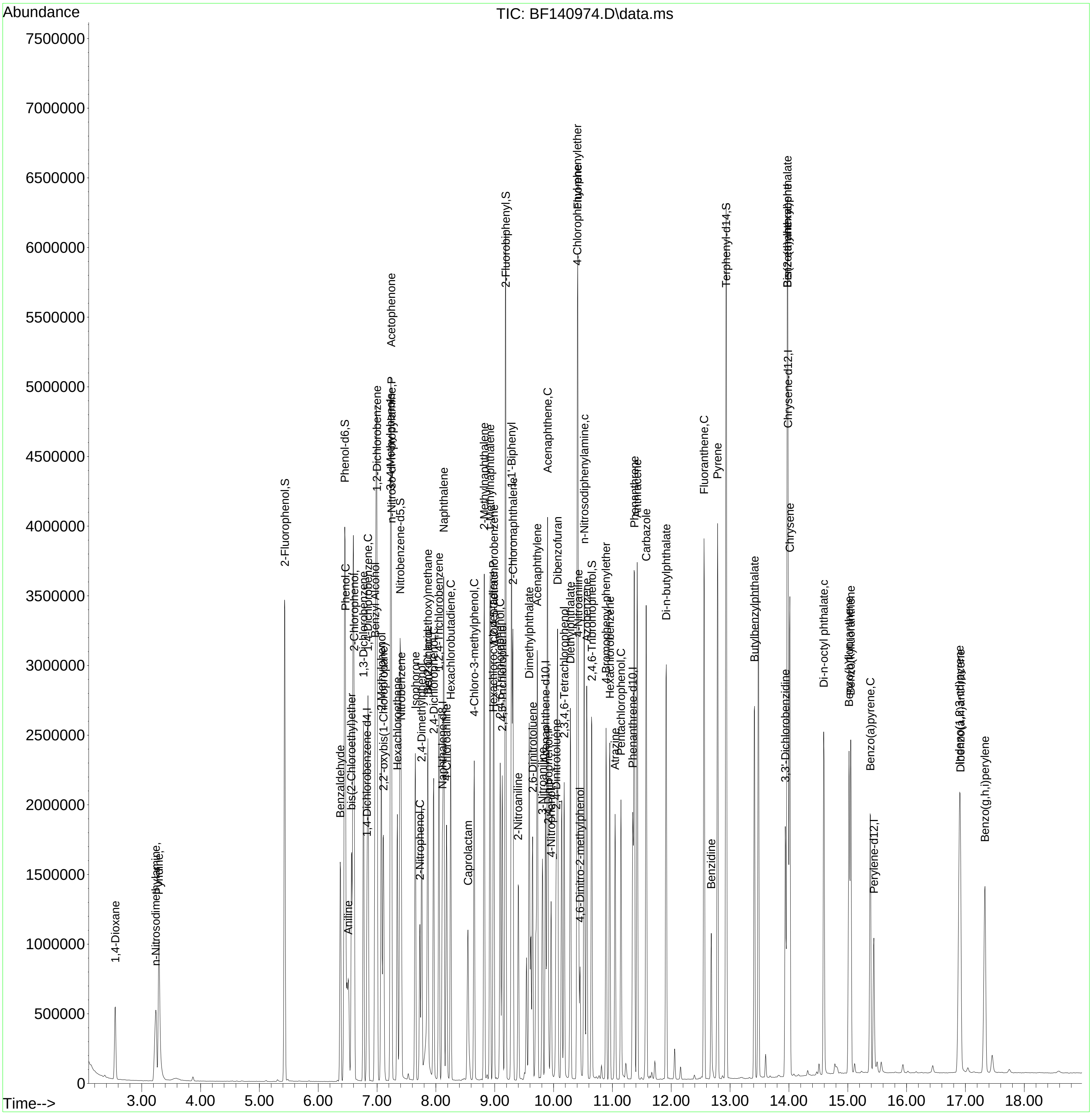
ICAL Form

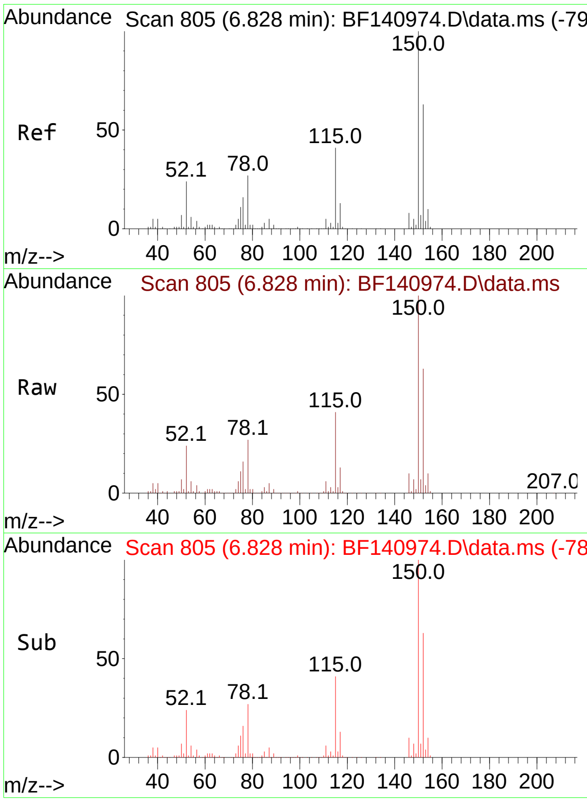
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140974.D
Acq On : 26 Dec 2024 18:06
Operator : RC/JU
Sample : SSTDICCC040
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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

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





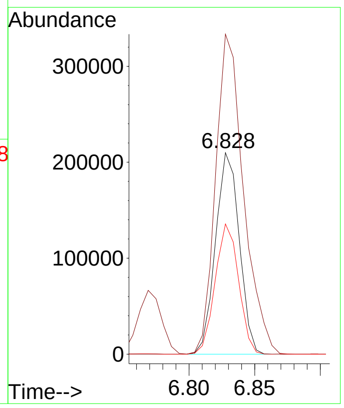
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 8(
Delta R.T. -0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

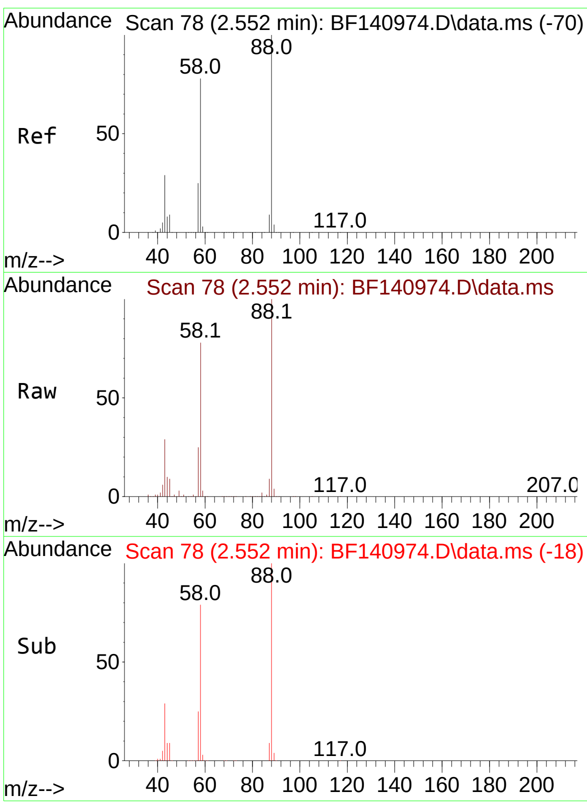
Tgt Ion:152 Resp: 26411

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

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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

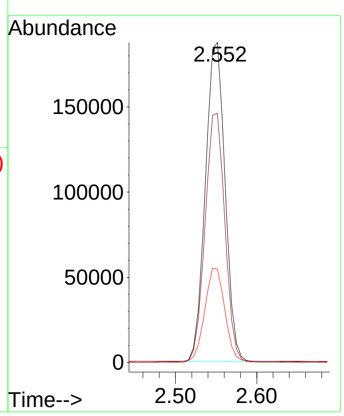




#2
1,4-Dioxane
Concen: 39.780 ng
RT: 2.552 min Scan# 78
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion: 88 Resp: 315557

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

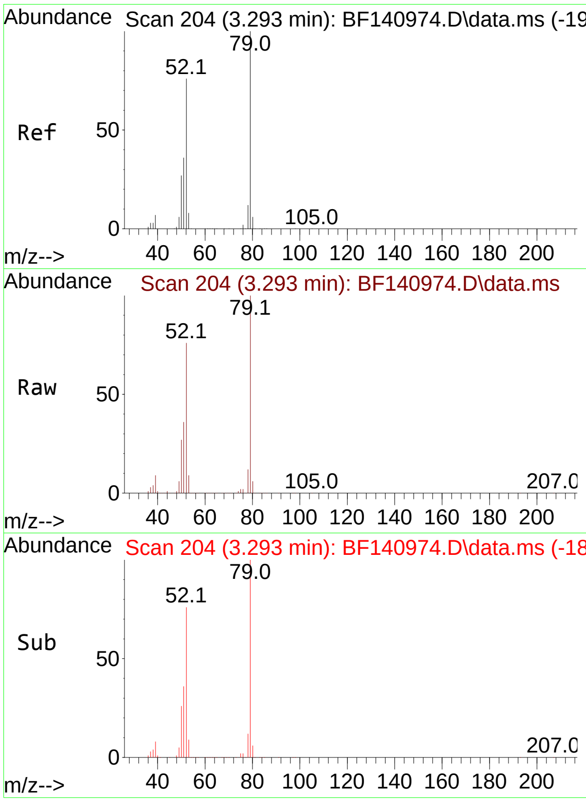


ICAL Form

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

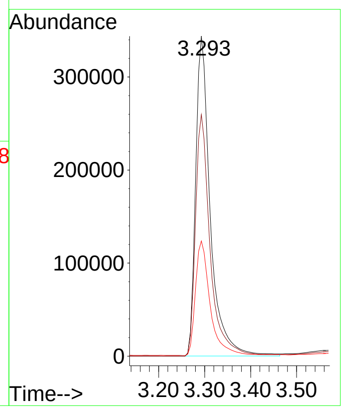
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

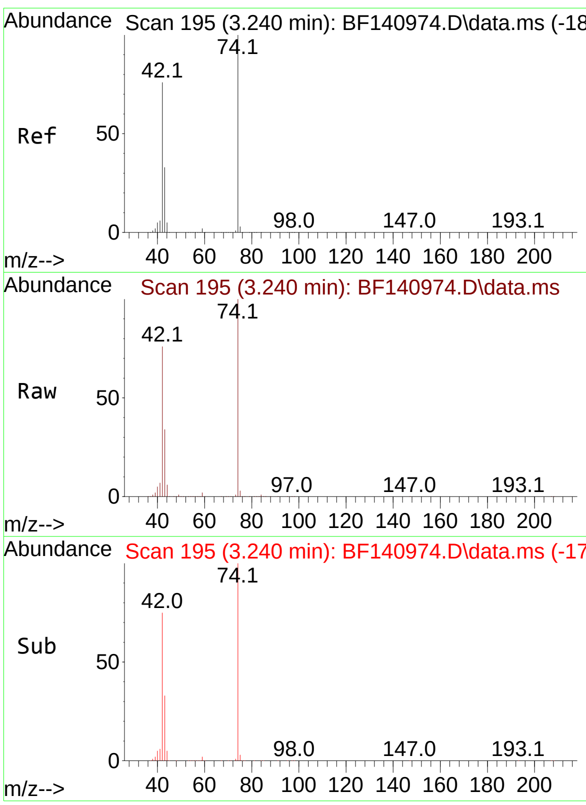


#3
Pyridine
Concen: 39.166 ng
RT: 3.293 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion: 79 Resp: 75926

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

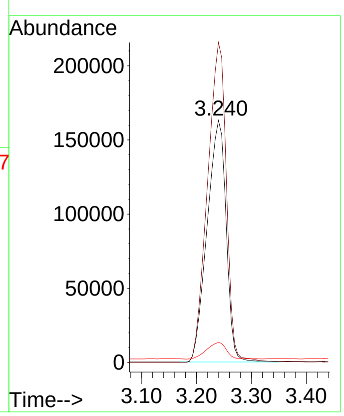




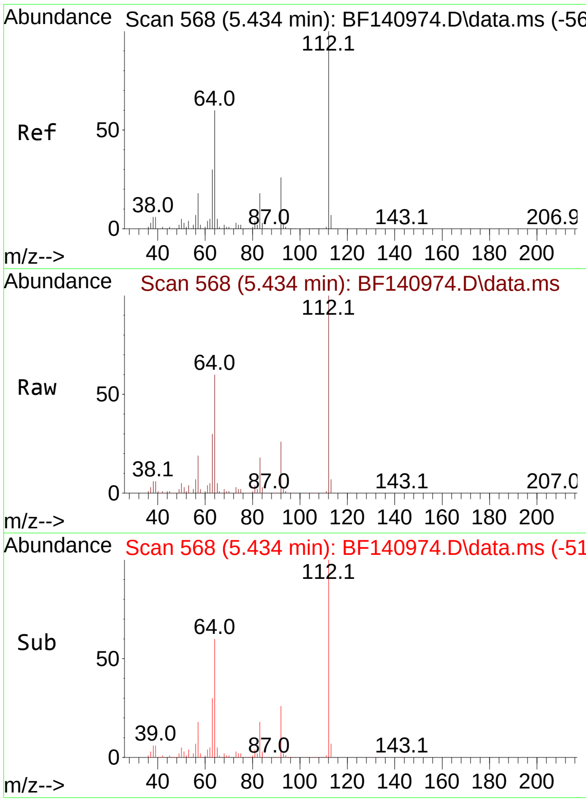
#4
n-Nitrosodimethylamine
Concen: 40.058 ng
RT: 3.240 min Scan# 195
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion: 42 Resp: 393459

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



ICAL Form



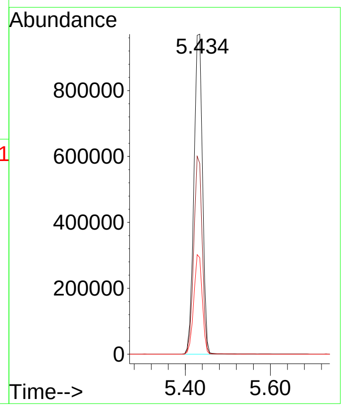
#5
2-Fluorophenol
Concen: 77.940 ng
RT: 5.434 min Scan# 5(
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

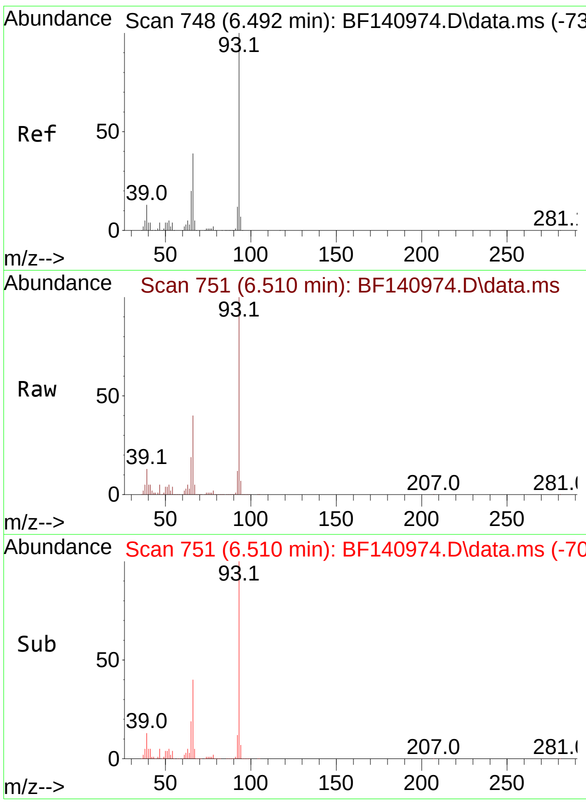
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:112 Resp: 136562

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

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

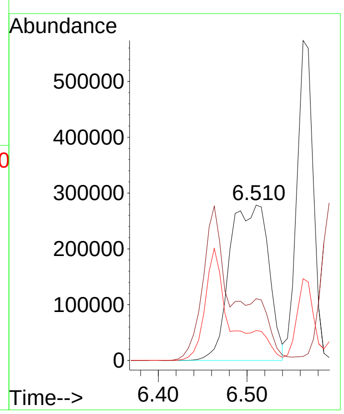


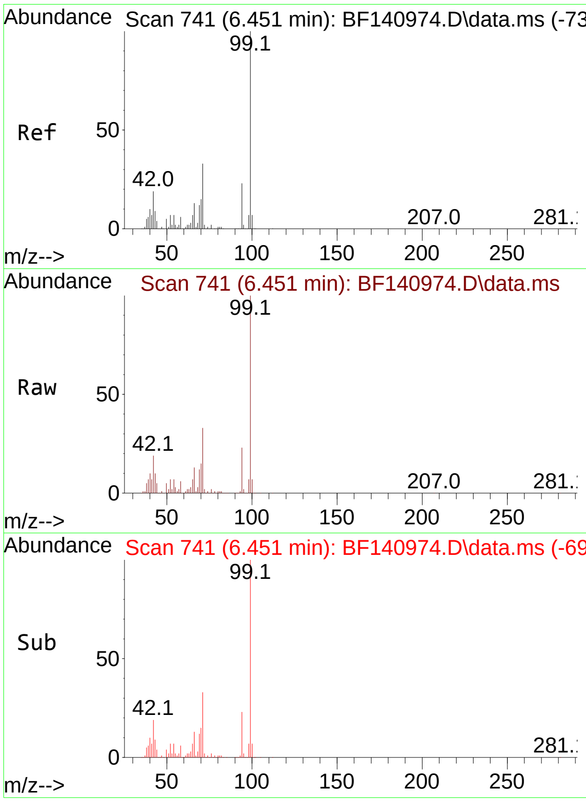


#6
Aniline
Concen: 42.382 ng m
RT: 6.510 min Scan# 751
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion: 93 Resp: 853180

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





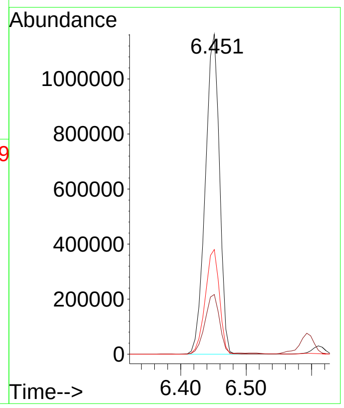
#7
Phenol-d6
Concen: 78.007 ng
RT: 6.451 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

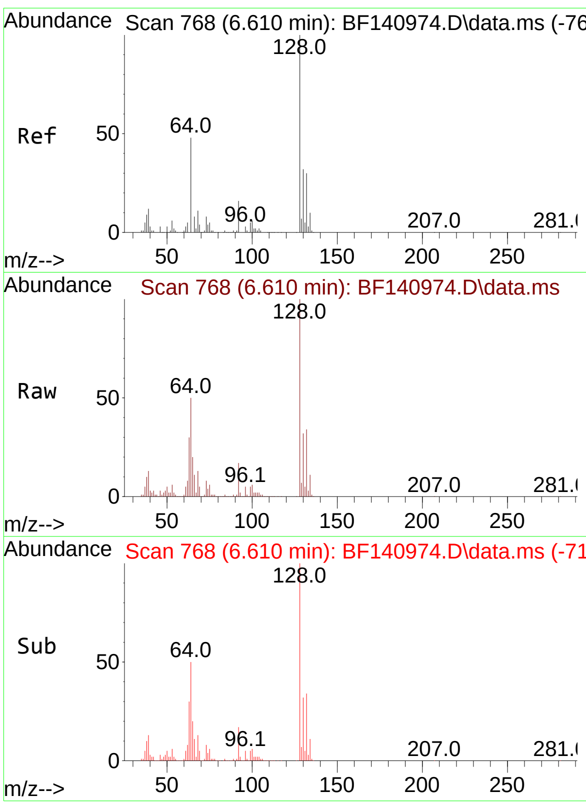
Tgt Ion: 99 Resp: 176071

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

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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

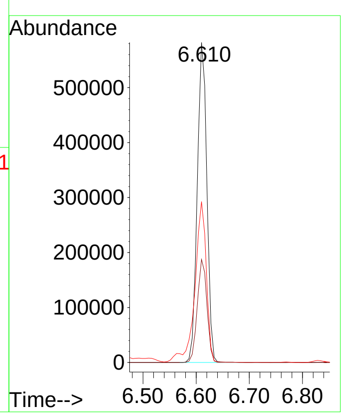




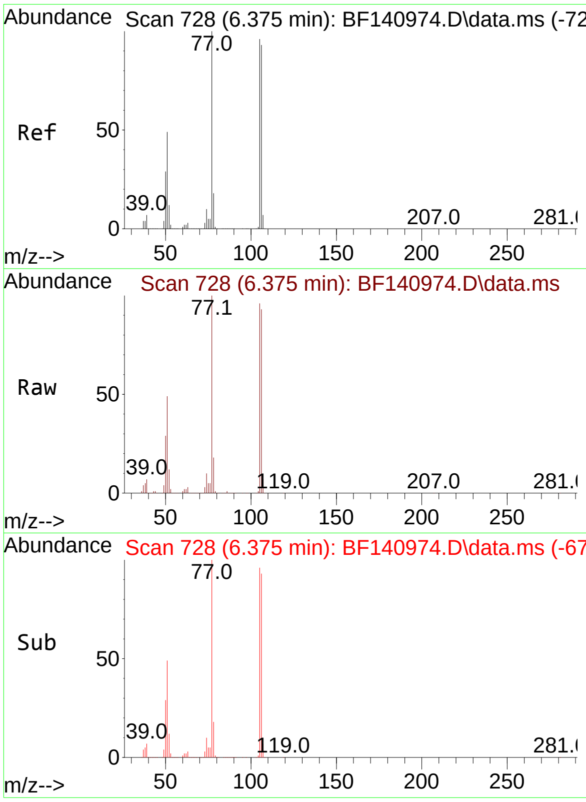
#8
2-Chlorophenol
Concen: 39.639 ng
RT: 6.610 min Scan# 768
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:128 Resp: 732249

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



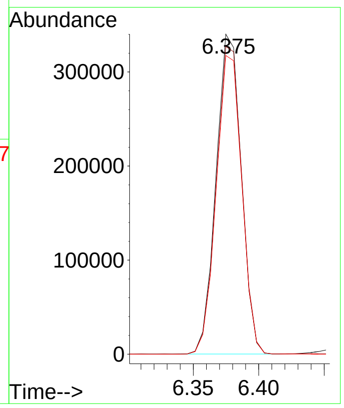
ICAL Form



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

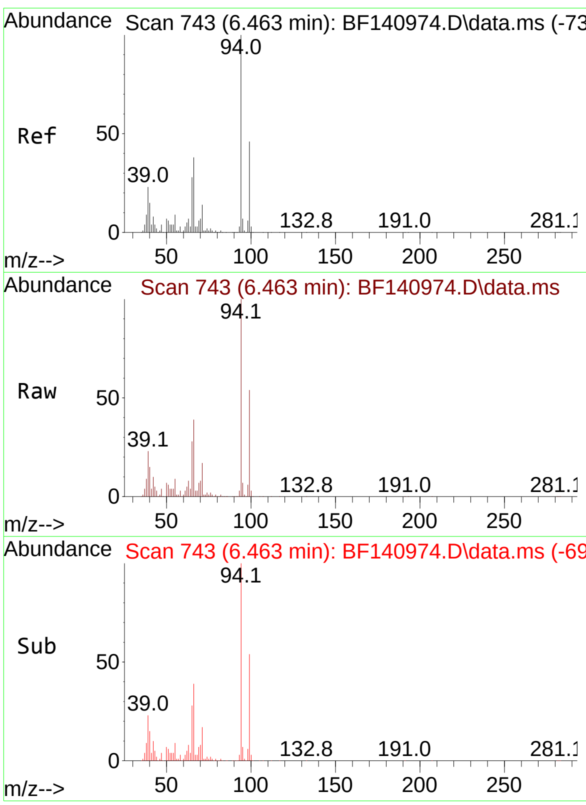
Tgt Ion: 77 Resp: 45481

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



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

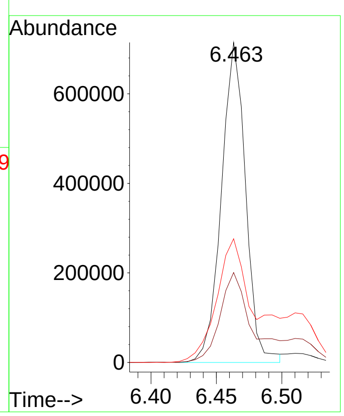
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



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

Tgt Ion: 94 Resp: 921228

Ion	Ratio	Lower	Upper
94	100		
65	28.1	8.1	48.1
66	38.7	18.7	58.7

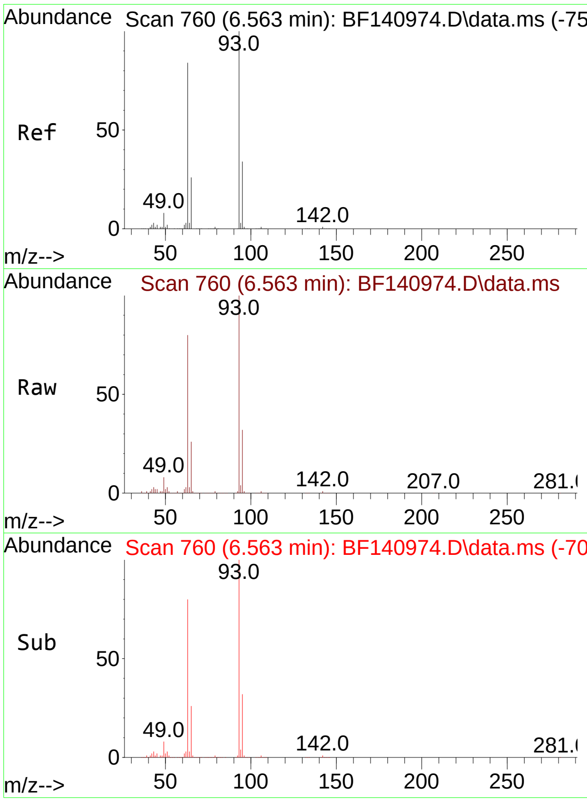


ICAL Form

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

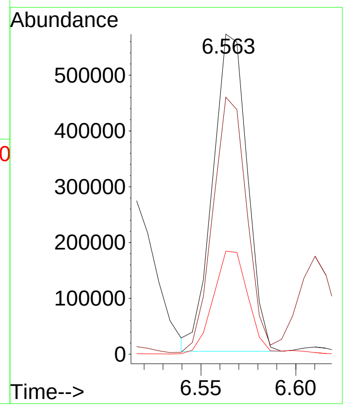
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

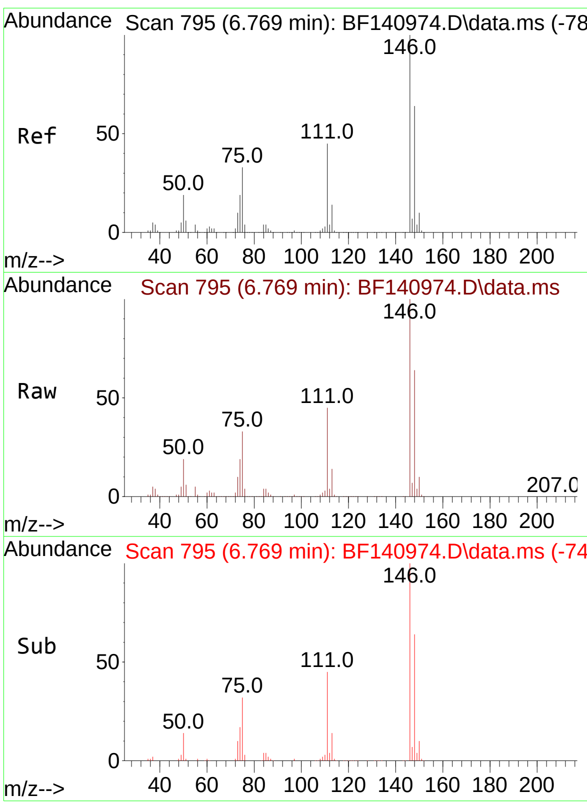


#11
bis(2-Chloroethyl)ether
Concen: 38.239 ng
RT: 6.563 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion: 93 Resp: 71995

Ion	Ratio	Lower	Upper
93	100		
63	80.3	60.3	100.3
95	32.2	12.2	52.2

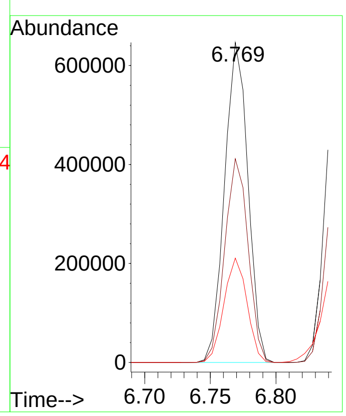


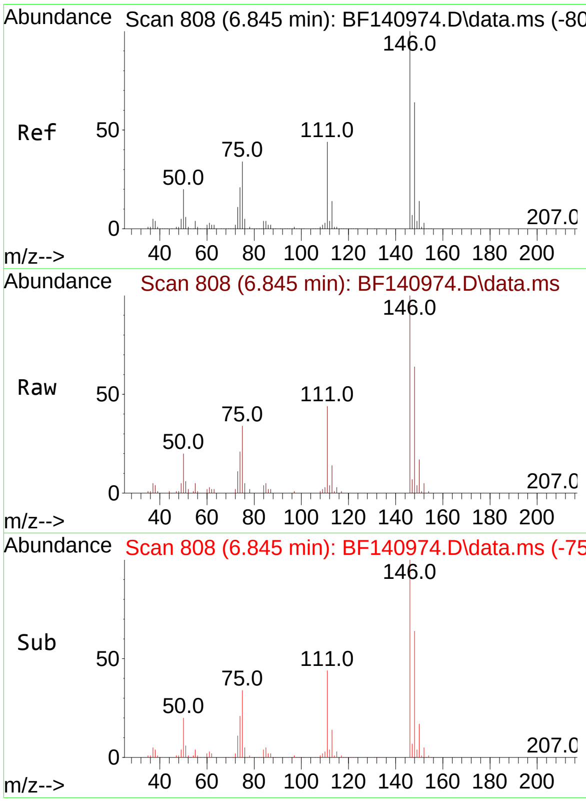


#12
1,3-Dichlorobenzene
Concen: 39.267 ng
RT: 6.769 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:146 Resp: 800536

Ion	Ratio	Lower	Upper
146	100		
148	63.7	51.0	76.4
75	32.6	26.1	39.1





#13
1,4-Dichlorobenzene
Concen: 38.985 ng
RT: 6.845 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

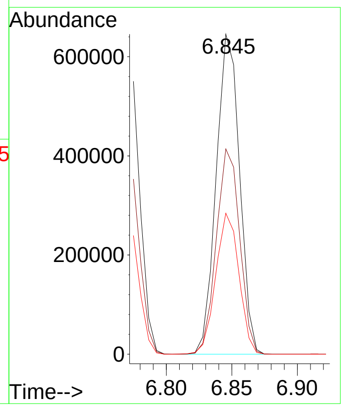
Tgt Ion:146 Resp: 80121

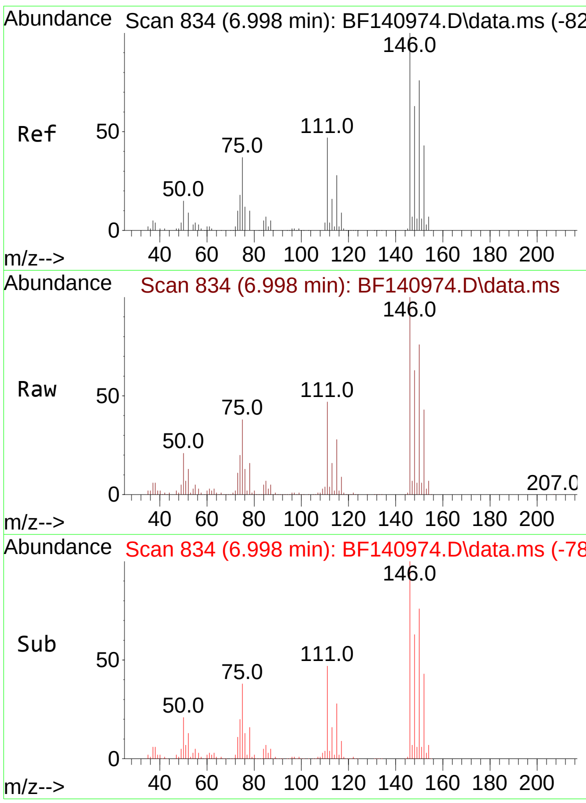
Ion	Ratio	Lower	Upper
146	100		
148	64.1	51.3	76.9
111	44.1	35.3	52.9

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

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

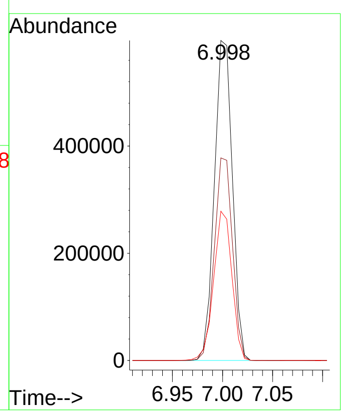




#14
1,2-Dichlorobenzene
Concen: 39.046 ng
RT: 6.998 min Scan# 834
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:146 Resp: 748204

Ion	Ratio	Lower	Upper
146	100		
148	63.3	50.6	76.0
111	46.6	37.3	55.9



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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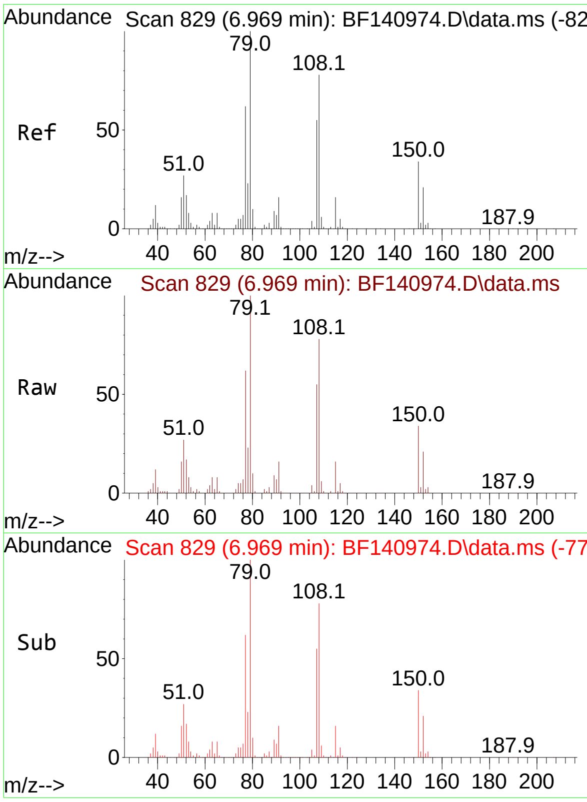
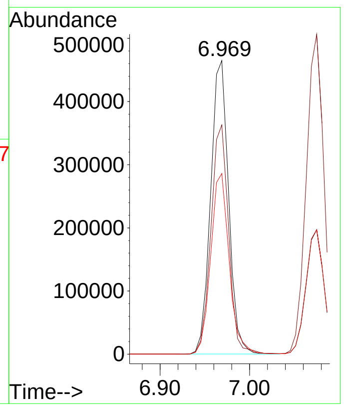
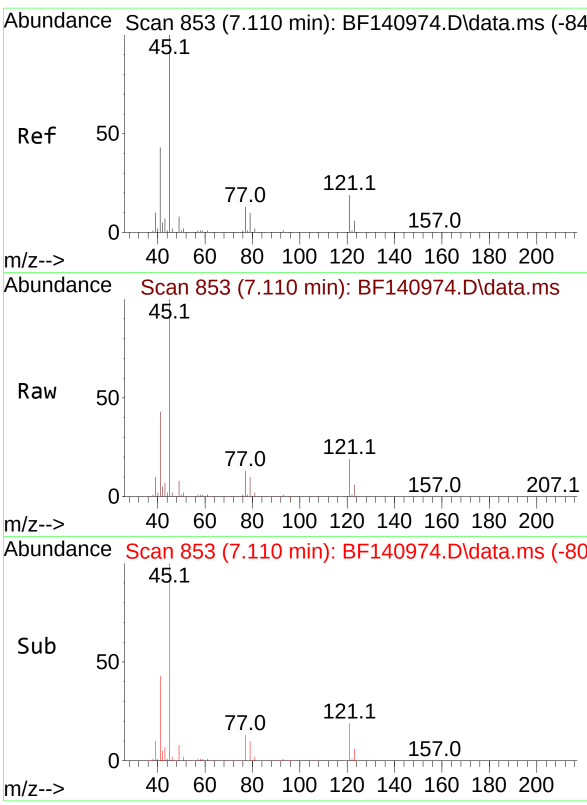


#15
Benzyl Alcohol
Concen: 39.926 ng
RT: 6.969 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion: 79 Resp: 647599

Ion	Ratio	Lower	Upper
79	100		
108	78.1	62.5	93.7
77	61.6	49.3	73.9

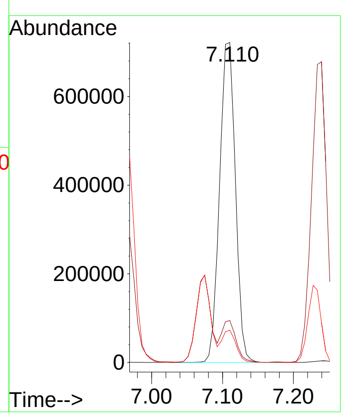




#16
2,2'-oxybis(1-Chloropropane)
Concen: 39.138 ng
RT: 7.110 min Scan# 853
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion: 45 Resp: 1115398

Ion	Ratio	Lower	Upper
45	100		
77	13.1	0.0	33.1
79	10.1	0.0	30.1



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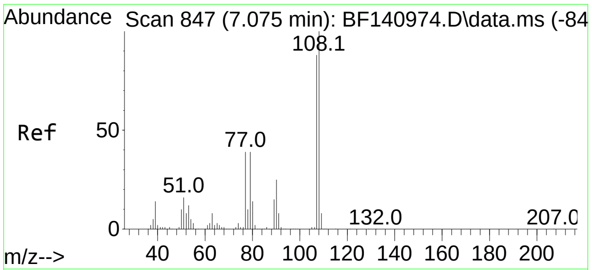
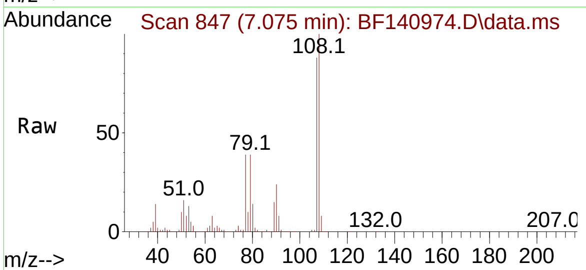
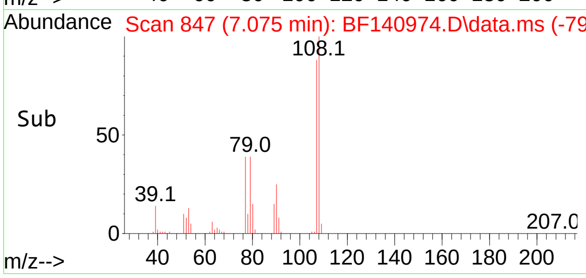


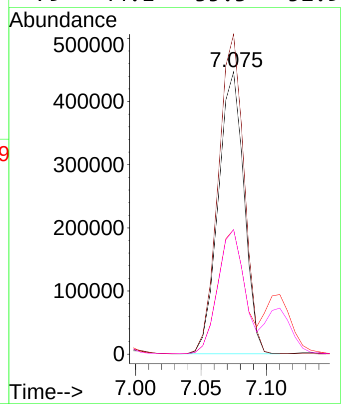




#17
2-Methylphenol
Concen: 39.632 ng
RT: 7.075 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:107 Resp: 60822

Ion	Ratio	Lower	Upper
107	100		
108	113.3	90.6	136.0
77	44.1	35.3	52.9
79	44.1	35.3	52.9



Instrument :
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ClientSampleId :
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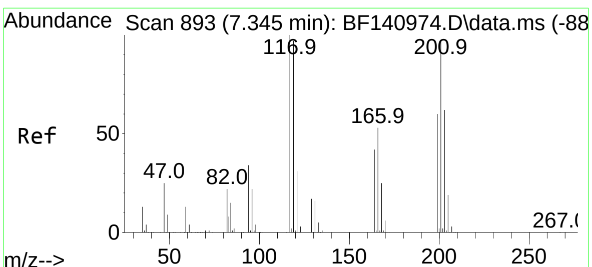
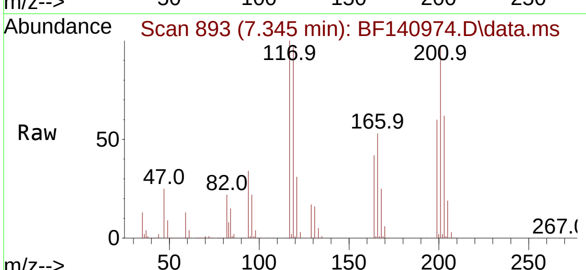
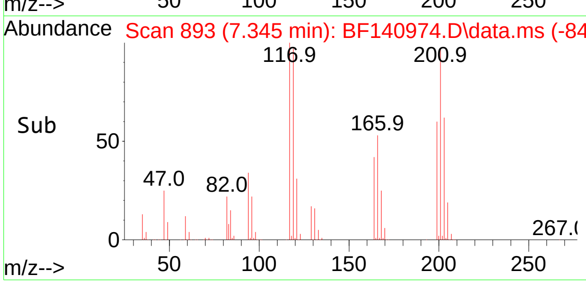


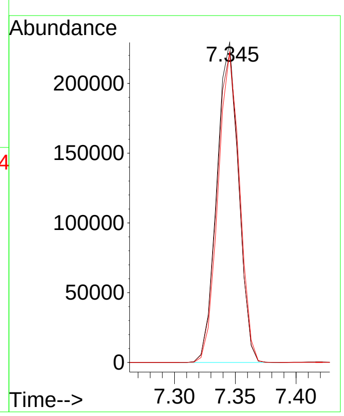




#18
Hexachloroethane
Concen: 39.351 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:117 Resp: 287289

Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.5	116.3
201	96.8	77.4	116.2



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Instrument : BNA_F
ClientSampleId : SSTDICCC040

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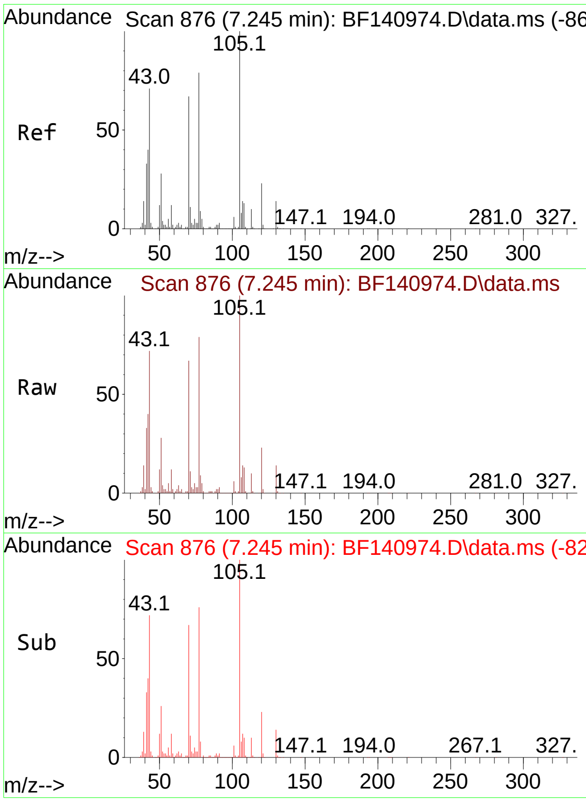
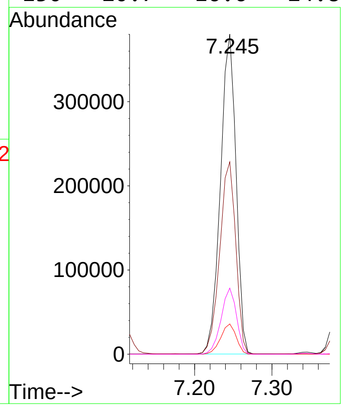
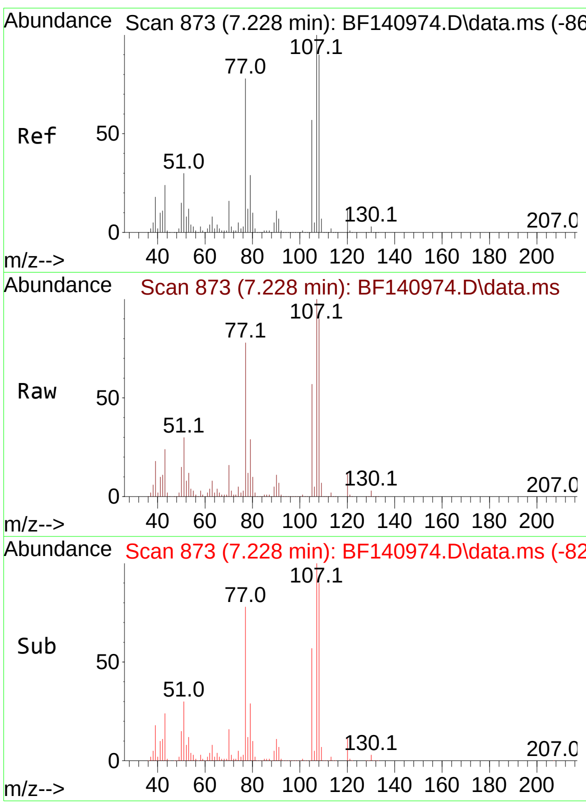


#19
n-Nitroso-di-n-propylamine
Concen: 38.493 ng
RT: 7.245 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion: 70 Resp: 53228

Ion	Ratio	Lower	Upper
70	100		
42	60.1	48.1	72.1
101	9.5	7.6	11.4
130	20.7	16.6	24.8

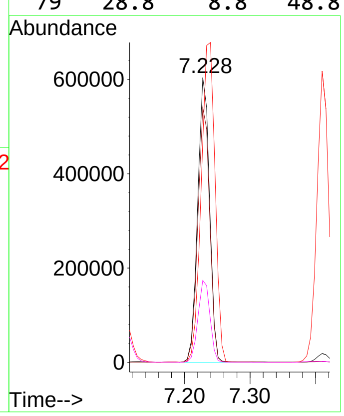


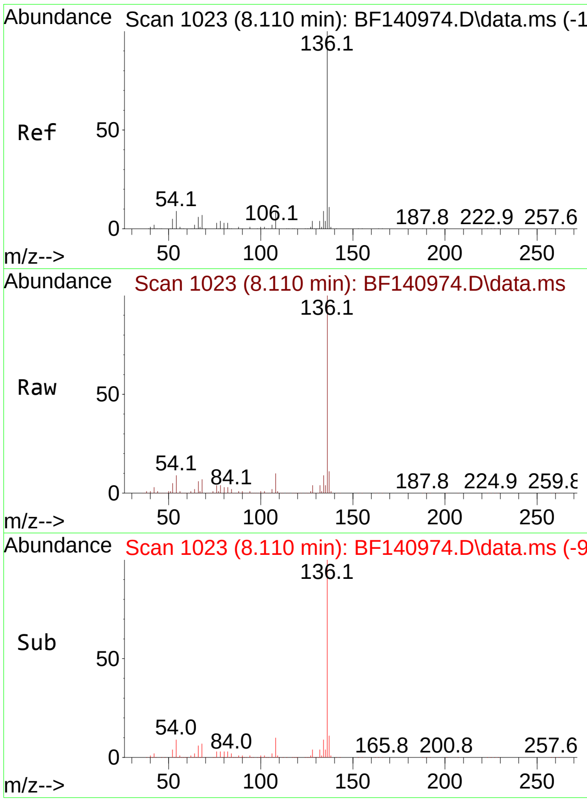


#20
3+4-Methylphenols
Concen: 39.481 ng
RT: 7.228 min Scan# 873
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:107 Resp: 766762

Ion	Ratio	Lower	Upper
107	100		
108	89.6	69.6	109.6
77	77.6	57.6	97.6
79	28.8	8.8	48.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:136 Resp: 1047010

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	9.5	7.6	11.4
68	7.0	5.6	8.4

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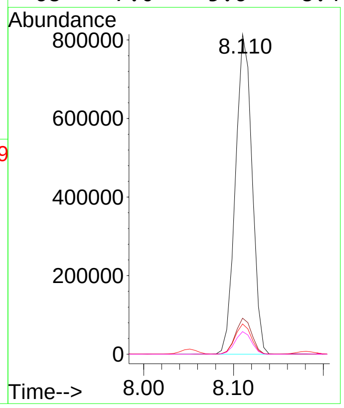
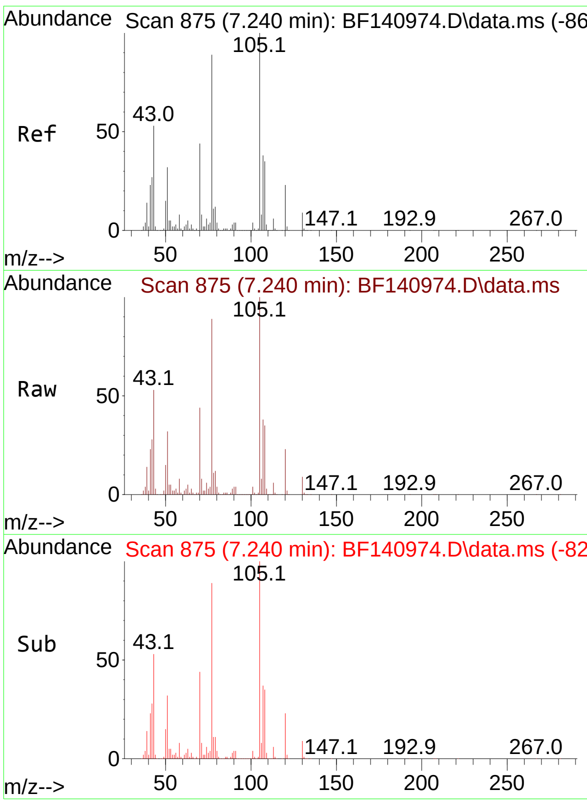
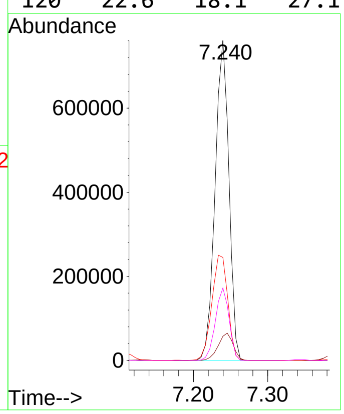


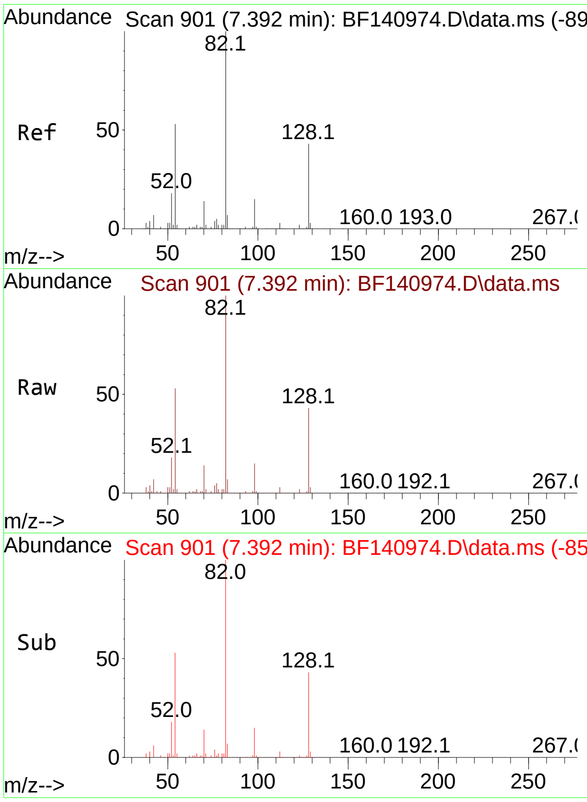


#22
Acetophenone
Concen: 38.304 ng
RT: 7.240 min Scan# 875
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:105 Resp: 983828

Ion	Ratio	Lower	Upper
105	100		
71	7.6	6.1	9.1
51	32.2	25.8	38.6
120	22.6	18.1	27.1

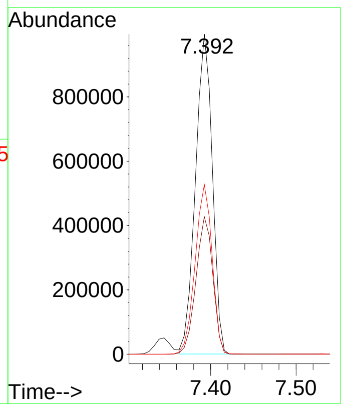




#23
Nitrobenzene-d5
Concen: 83.588 ng
RT: 7.392 min Scan# 90
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion: 82 Resp: 1367940

Ion	Ratio	Lower	Upper
82	100		
128	43.0	34.4	51.6
54	53.0	42.4	63.6



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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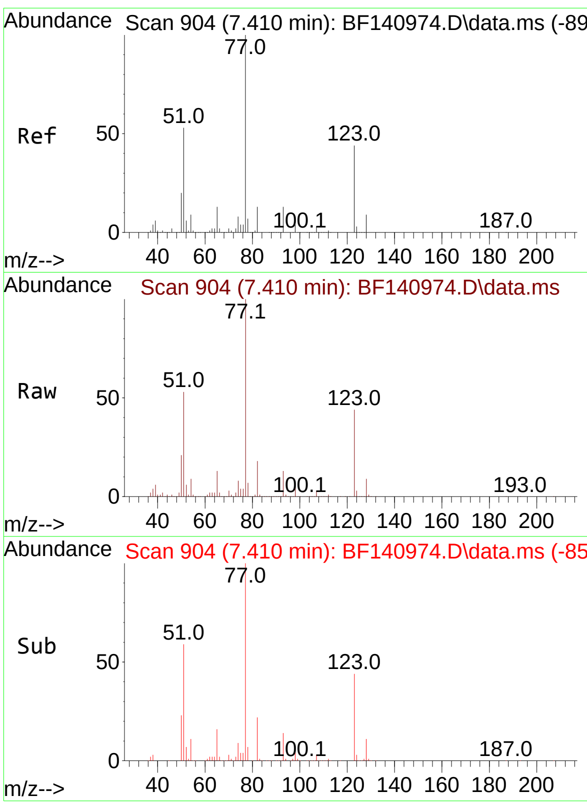
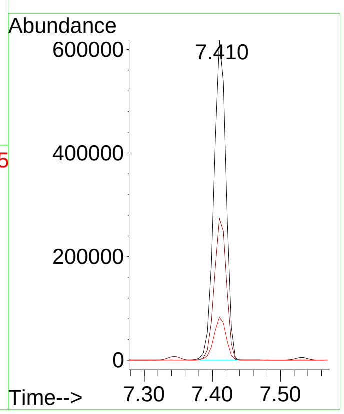


#24
Nitrobenzene
Concen: 41.970 ng
RT: 7.410 min Scan# 904
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion: 77 Resp: 767486

Ion	Ratio	Lower	Upper
77	100		
123	44.3	35.4	53.2
65	13.4	10.7	16.1



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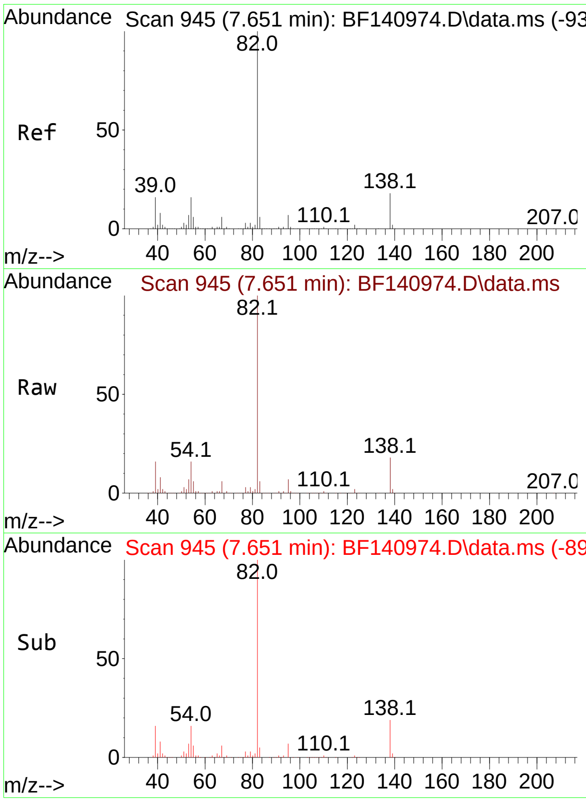
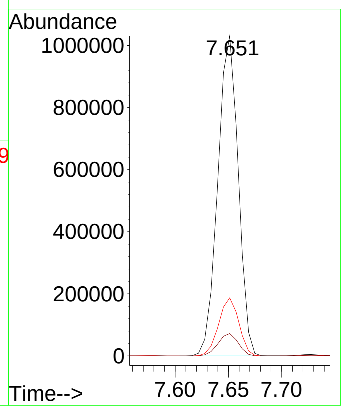


#25
Isophorone
Concen: 38.606 ng
RT: 7.651 min   Scan# 94
Delta R.T.   0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024   18:06

Tgt Ion: 82 Resp: 137482

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.6	8.4
138	18.2	14.6	21.8



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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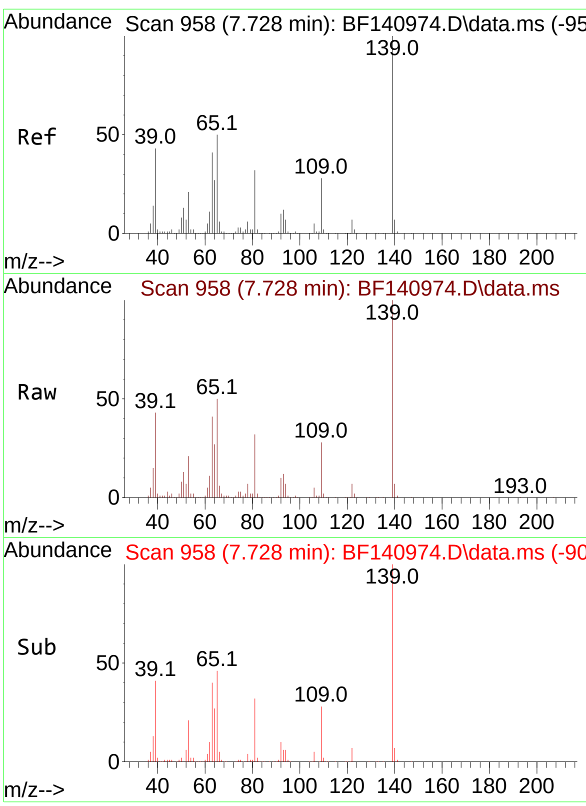
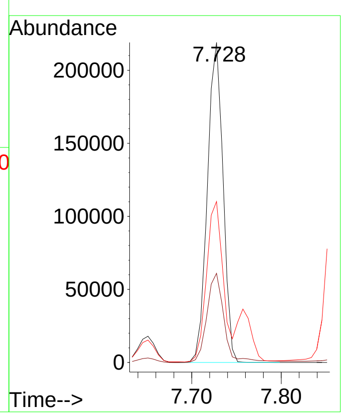


#26
2-Nitrophenol
Concen: 36.900 ng
RT: 7.728 min   Scan# 958
Delta R.T.   -0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024   18:06

Tgt Ion:139 Resp: 266201

Ion	Ratio	Lower	Upper
139	100		
109	27.8	22.2	33.4
65	50.3	40.2	60.4



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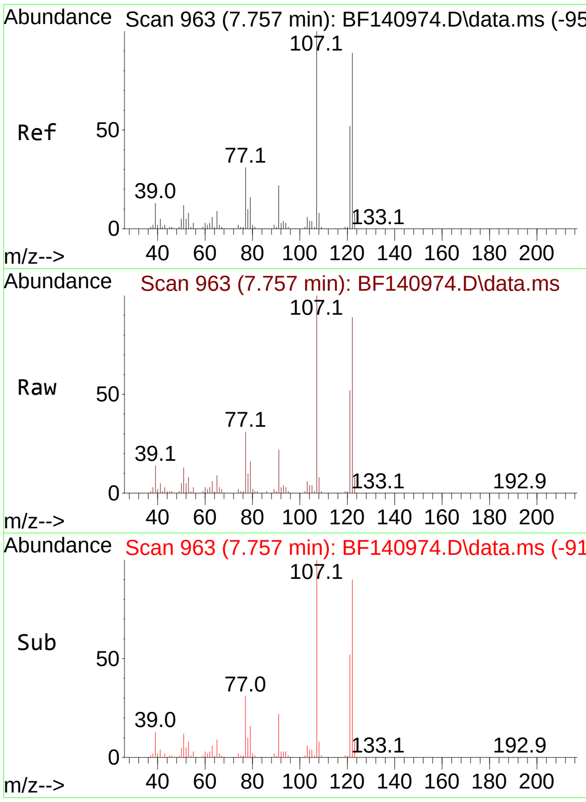

#27
2,4-Dimethylphenol
Concen: 38.853 ng
RT: 7.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:122 Resp: 50567

Ion	Ratio	Lower	Upper
122	100		
107	111.8	89.4	134.2
121	58.4	46.7	70.1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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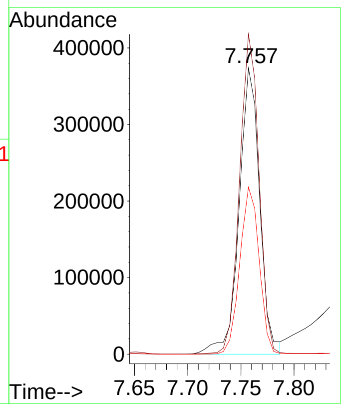
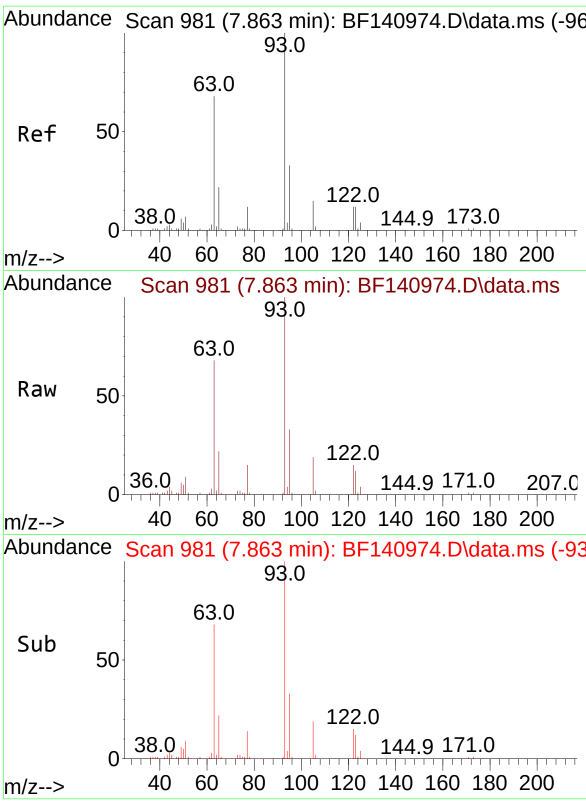
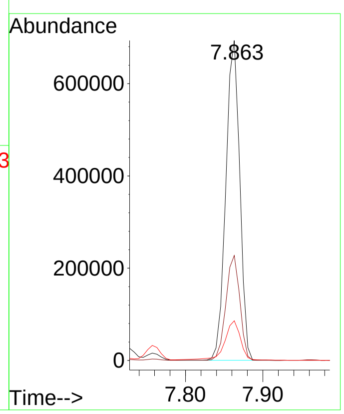




#28
bis(2-Chloroethoxy)methane
Concen: 38.540 ng
RT: 7.863 min Scan# 981
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion: 93 Resp: 869568

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.2	39.4
123	12.4	9.9	14.9



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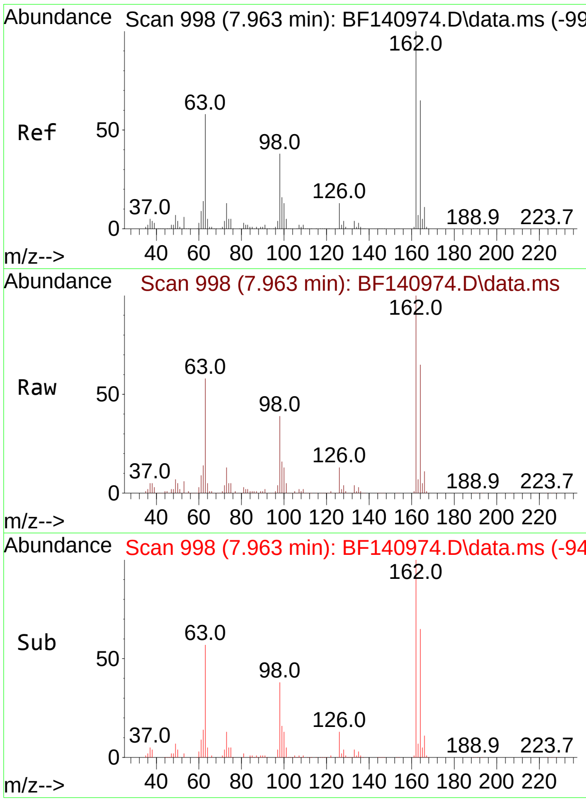

#29
2,4-Dichlorophenol
Concen: 39.440 ng
RT: 7.963 min Scan# 99
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:162 Resp: 58216

Ion	Ratio	Lower	Upper
162	100		
164	64.8	44.8	84.8
98	38.6	18.6	58.6

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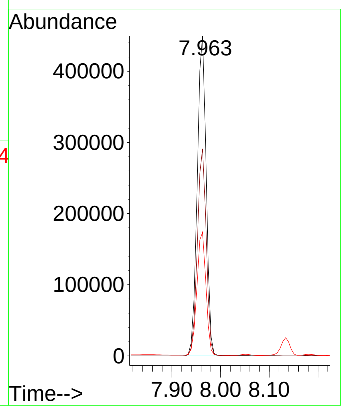
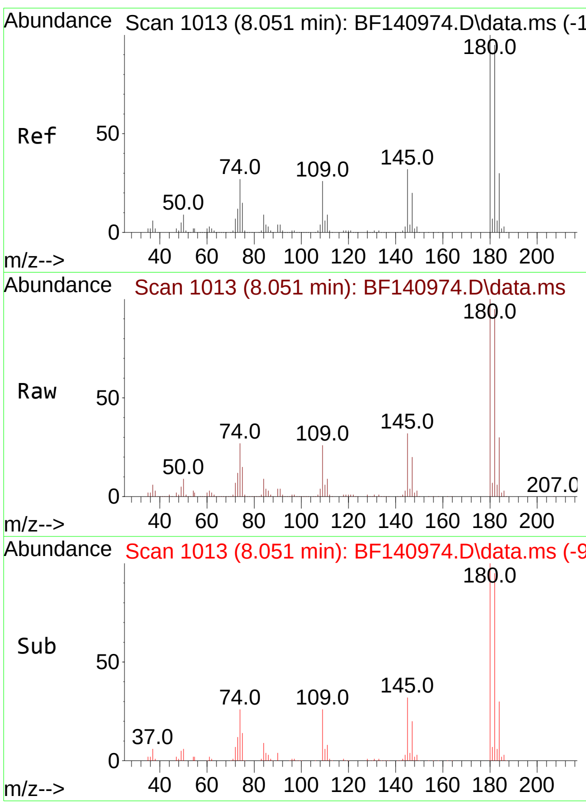
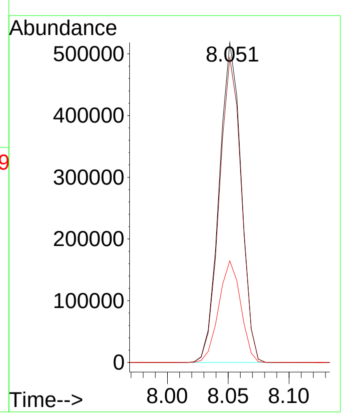




#30
1,2,4-Trichlorobenzene
Concen: 39.147 ng
RT: 8.051 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:180 Resp: 654033

Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.2	114.4
145	31.8	25.4	38.2



Instrument :
BNA_F
ClientSampleId :
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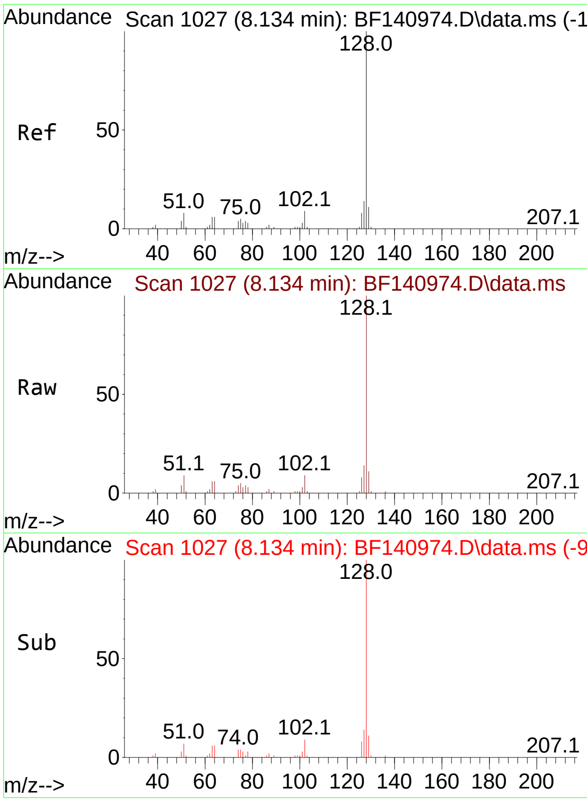
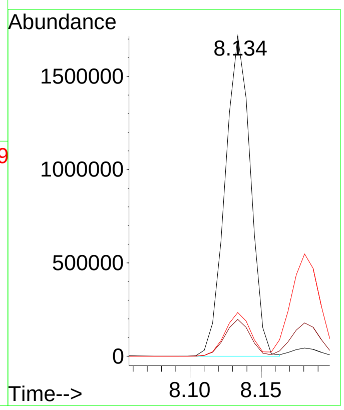
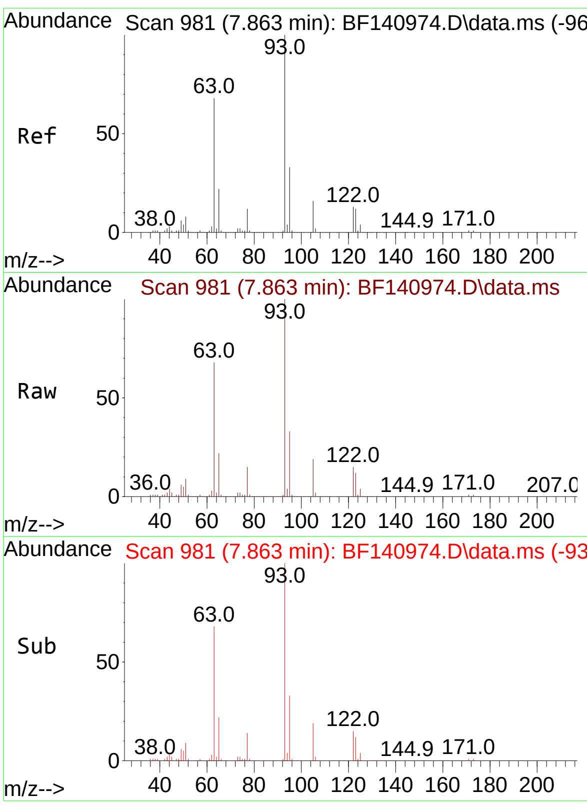


#31
Naphthalene
Concen: 38.718 ng
RT: 8.134 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:128 Resp: 2136130

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.2	13.8
127	13.7	11.0	16.4

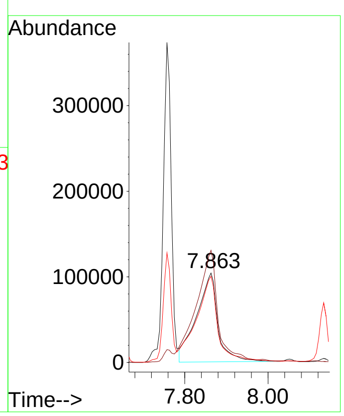




#32
Benzoic acid
Concen: 36.912 ng
RT: 7.863 min Scan# 981
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:122 Resp: 372684

Ion	Ratio	Lower	Upper
122	100		
105	125.4	105.4	145.4
77	96.4	76.4	116.4



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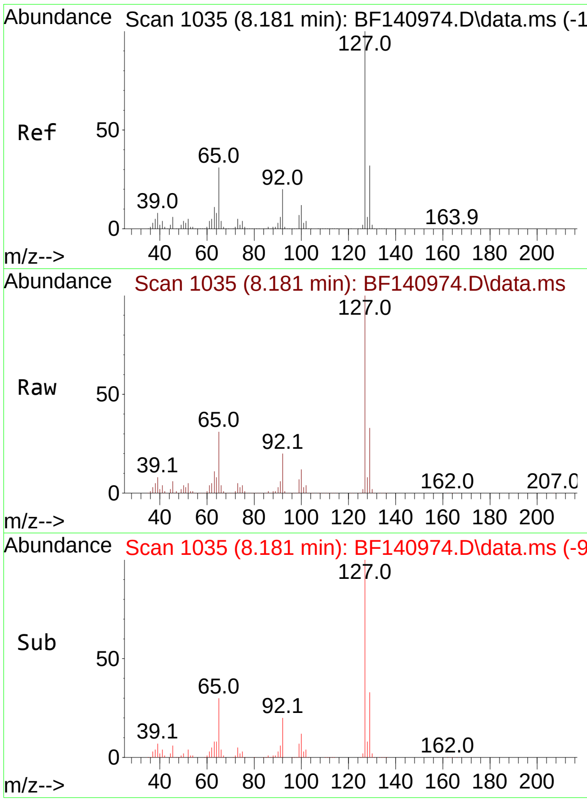

#33
4-Chloroaniline
Concen: 38.482 ng
RT: 8.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:127 Resp: 76806

Ion	Ratio	Lower	Upper
127	100		
129	32.6	26.1	39.1
65	30.8	24.6	37.0
92	19.7	15.8	23.6

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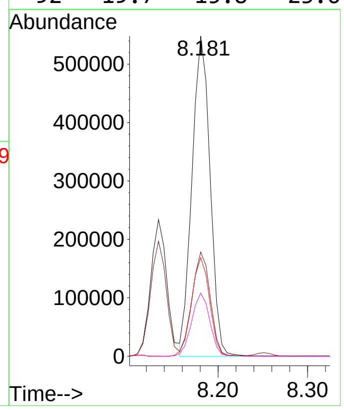
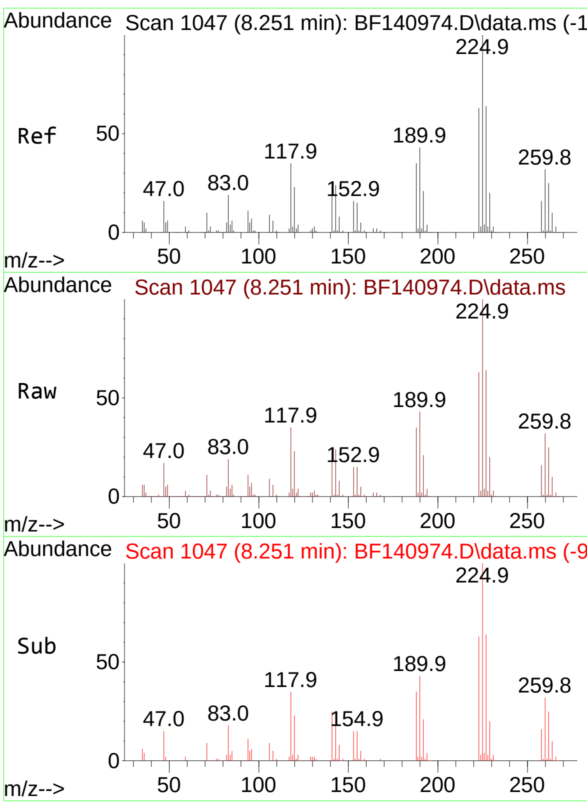
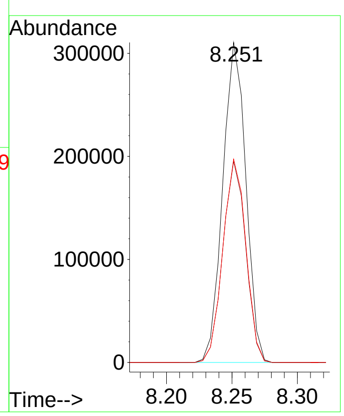


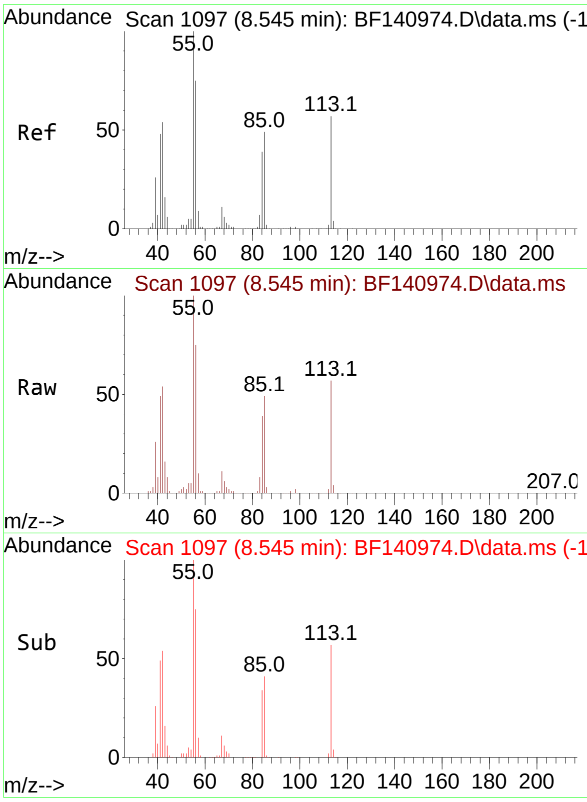


#34
Hexachlorobutadiene
Concen: 38.591 ng
RT: 8.251 min Scan# 1047
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:225 Resp: 380095

Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.3	75.5
227	63.5	50.8	76.2





#35
Caprolactam
Concen: 39.375 ng m
RT: 8.545 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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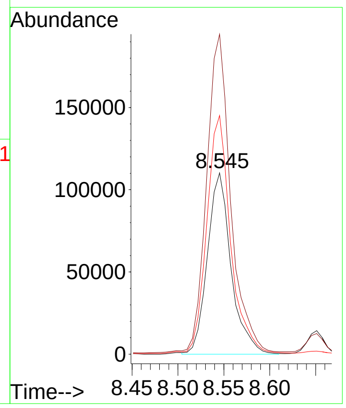
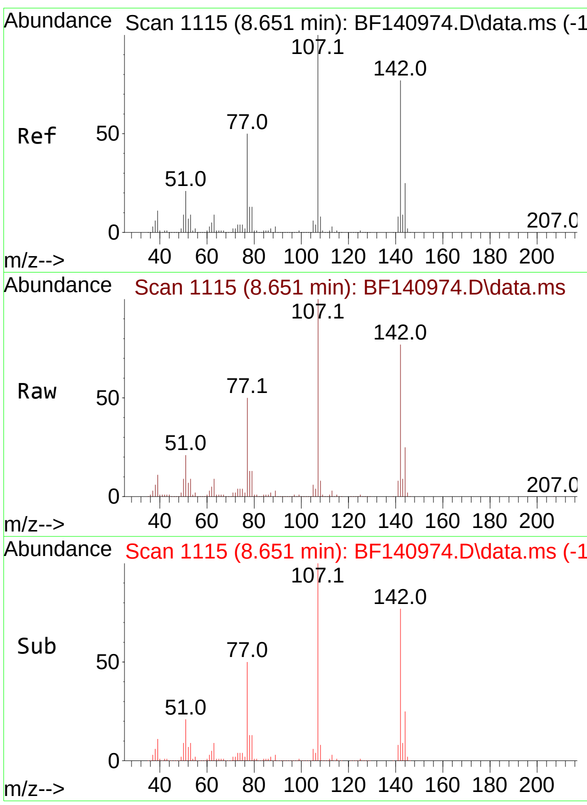
Tgt Ion:113 Resp: 19760

Ion	Ratio	Lower	Upper
113	100		
55	176.6	156.6	196.6
56	131.7	111.7	151.7

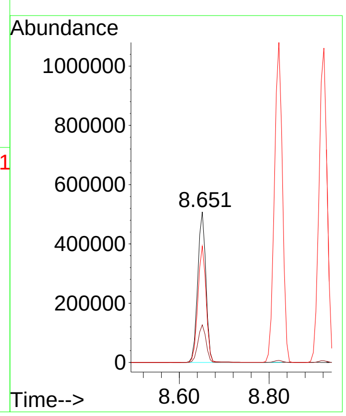


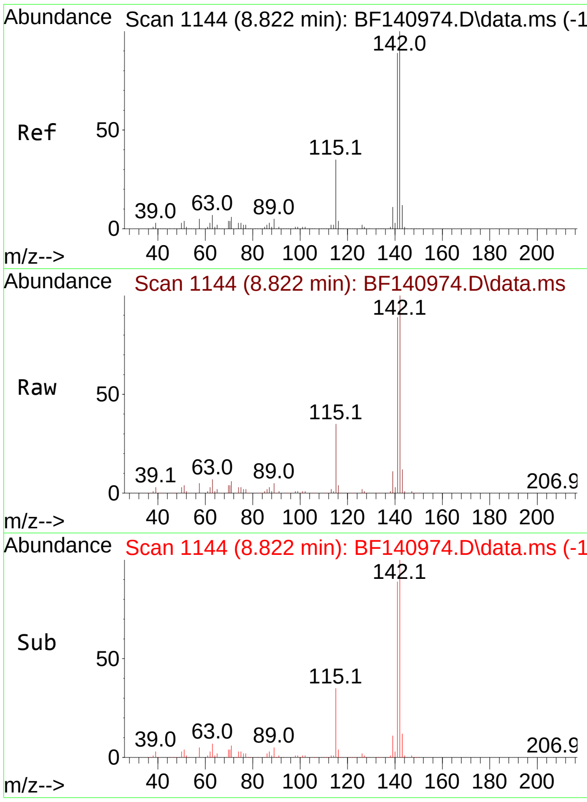


#36
4-Chloro-3-methylphenol
Concen: 39.434 ng
RT: 8.651 min Scan# 1115
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:107 Resp: 646441

Ion	Ratio	Lower	Upper
107	100		
144	24.9	19.9	29.9
142	77.3	61.8	92.8





#37
2-Methylnaphthalene
Concen: 38.077 ng
RT: 8.822 min   Scan# 1
Delta R.T.   0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024   18:06

Tgt Ion:142 Resp: 134394

Ion	Ratio	Lower	Upper
142	100		
141	88.9	71.1	106.7

Instrument :
BNA_F
ClientSampleId :
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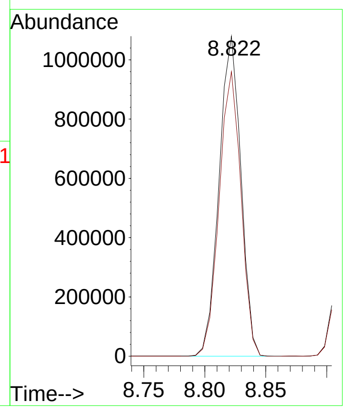
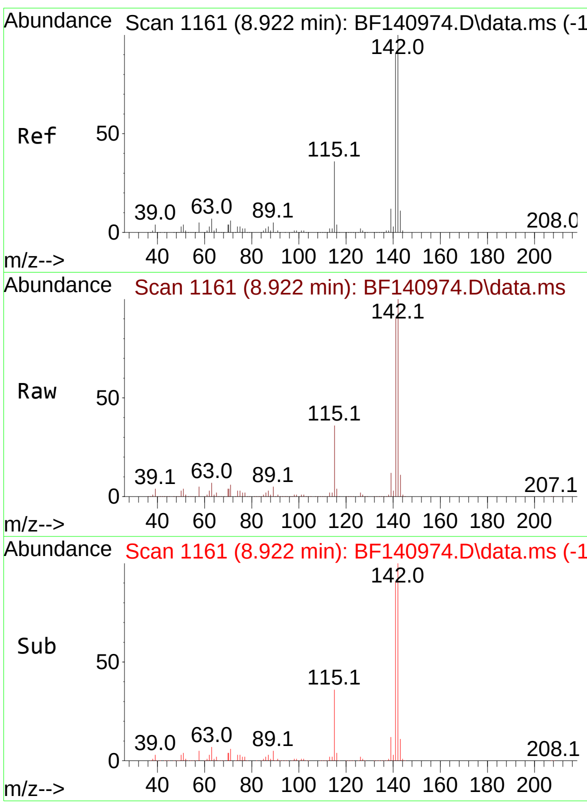
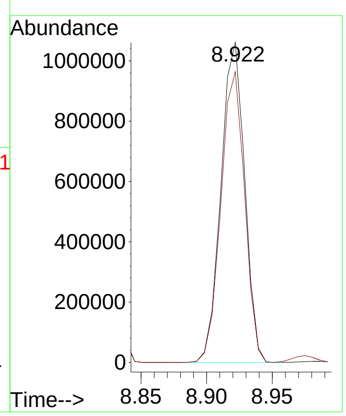




#38
1-Methylnaphthalene
Concen: 38.354 ng
RT: 8.922 min   Scan# 1161
Delta R.T.   0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024   18:06

Tgt Ion:142 Resp: 1330393

Ion	Ratio	Lower	Upper
142	100		
141	90.9	72.7	109.1



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Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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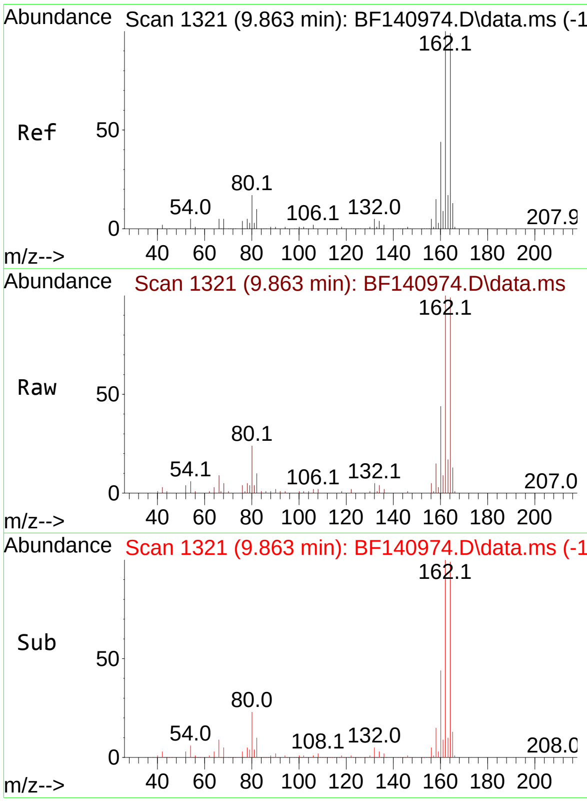
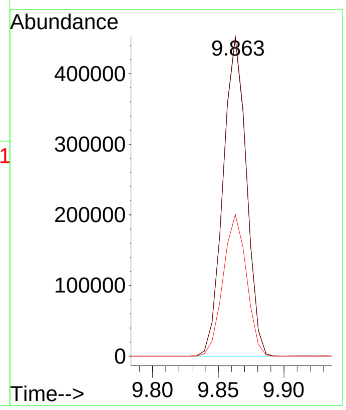
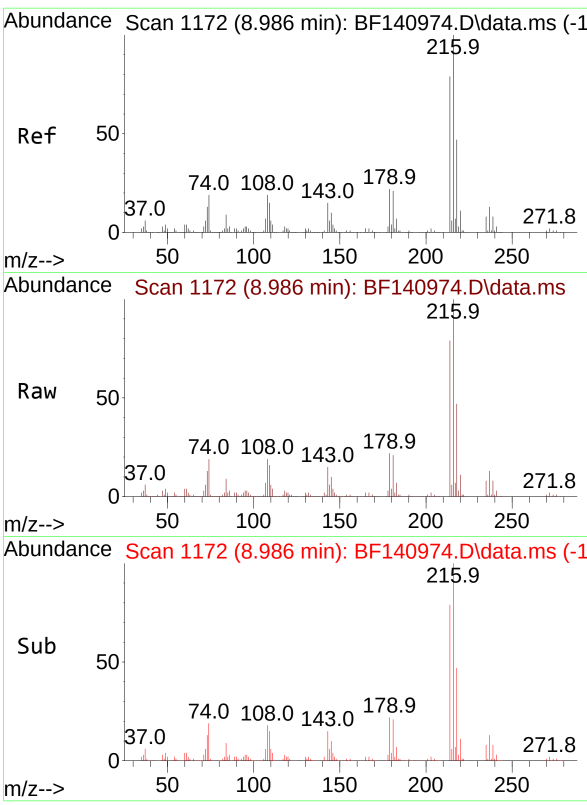


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:164 Resp: 55539

Ion	Ratio	Lower	Upper
164	100		
162	100.7	80.6	120.8
160	44.6	35.7	53.5

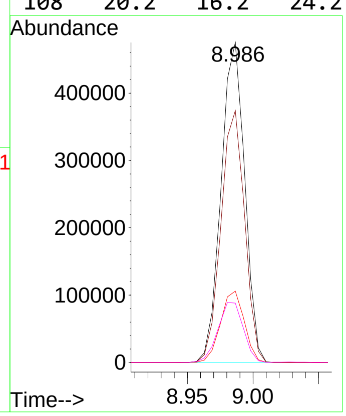


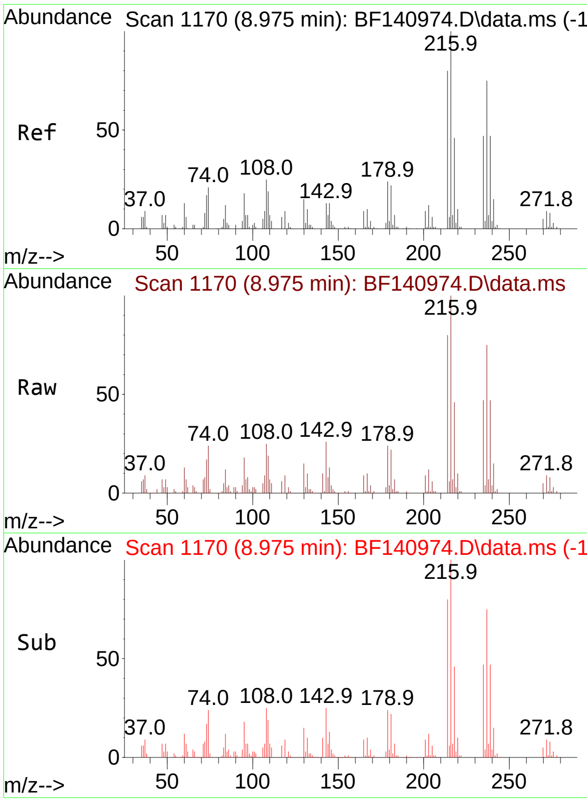


#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.917 ng
RT: 8.986 min Scan# 1172
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:216 Resp: 594643

Ion	Ratio	Lower	Upper
216	100		
214	78.8	63.0	94.6
179	22.4	17.9	26.9
108	20.2	16.2	24.2





#41
Hexachlorocyclopentadiene
Concen: 40.922 ng
RT: 8.975 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:237 Resp: 20720

Ion	Ratio	Lower	Upper
237	100		
235	63.4	43.4	83.4
272	12.6	0.0	32.6

Instrument :
BNA_F
ClientSampleId :
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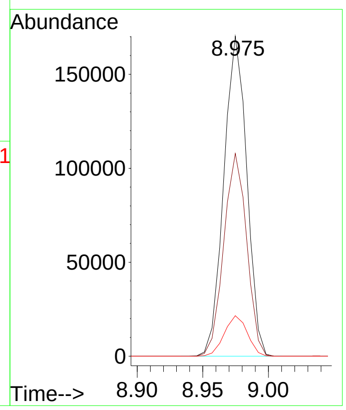
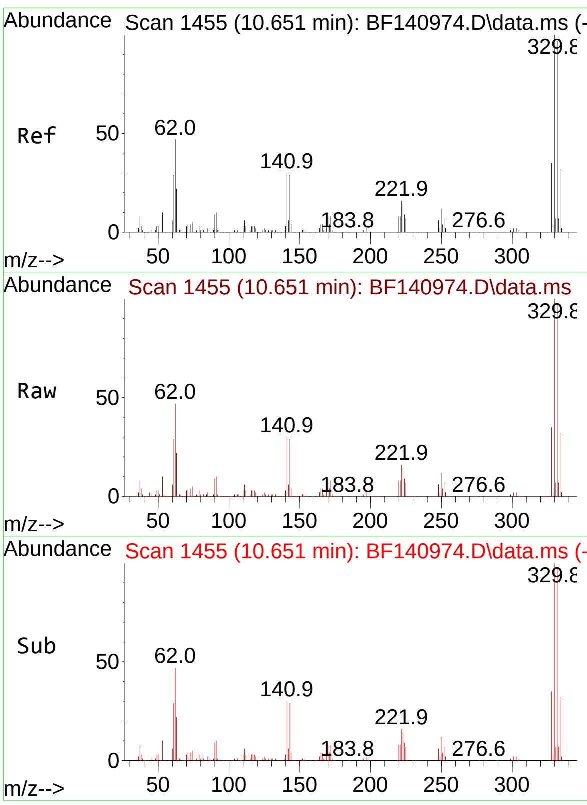
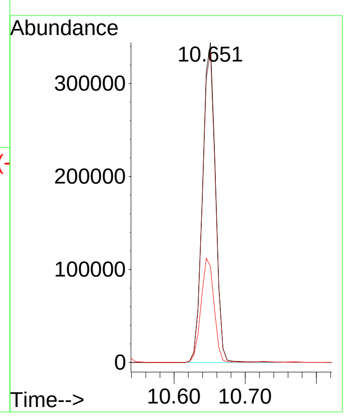




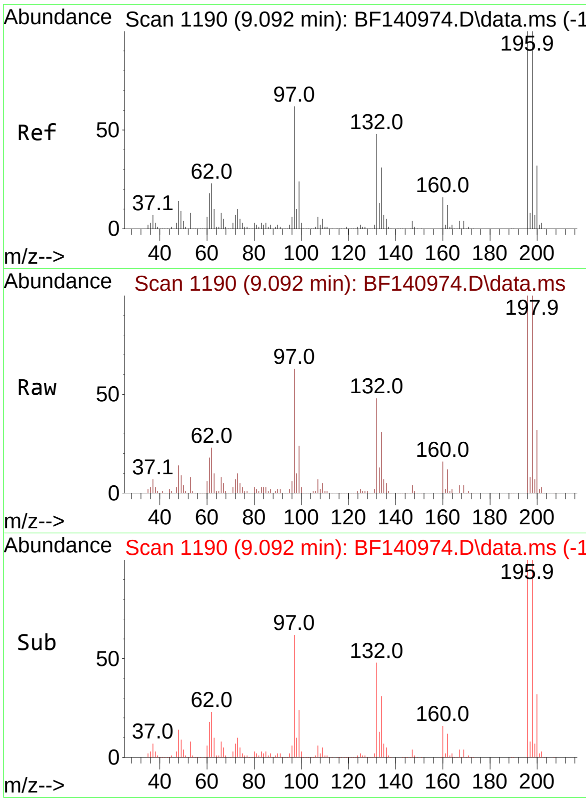
#42
2,4,6-Tribromophenol
Concen: 80.733 ng
RT: 10.651 min Scan# 1455
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:330 Resp: 435705

Ion	Ratio	Lower	Upper
330	100		
332	97.5	78.0	117.0
141	33.0	26.4	39.6



ICAL Form



#43
2,4,6-Trichlorophenol
Concen: 39.741 ng
RT: 9.092 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Tgt Ion:196 Resp: 40414

Ion	Ratio	Lower	Upper
196	100		
198	100.3	80.2	120.4
200	32.2	25.8	38.6

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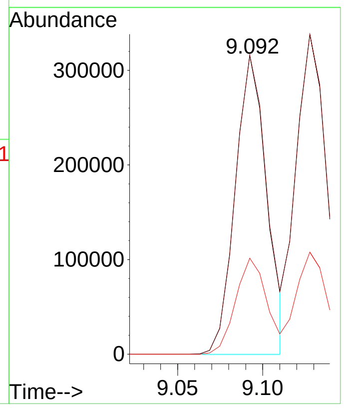
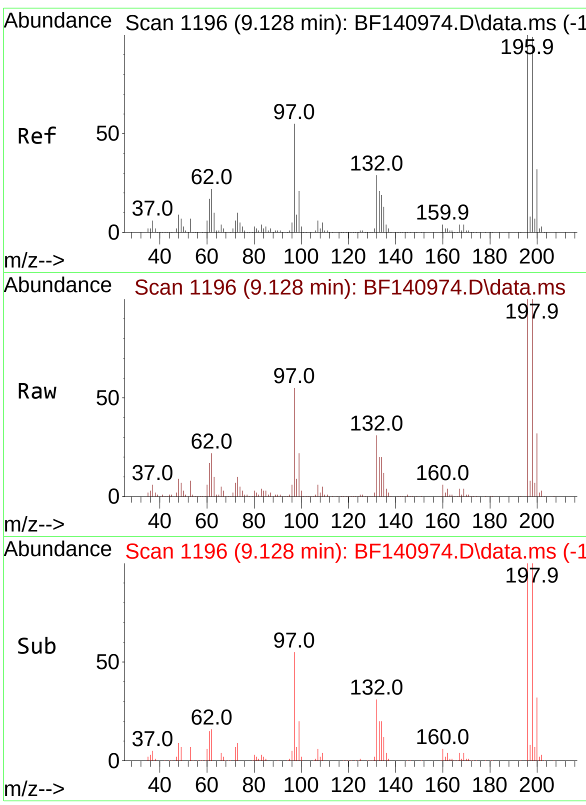
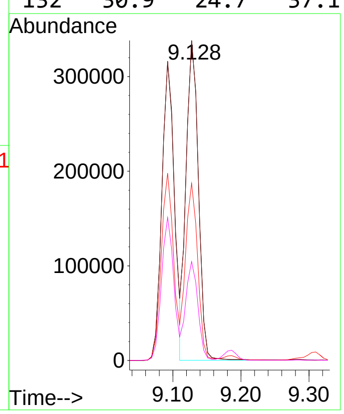




#44
2,4,5-Trichlorophenol
Concen: 40.562 ng
RT: 9.128 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:196 Resp: 422062

Ion	Ratio	Lower	Upper
196	100		
198	99.9	79.9	119.9
97	55.4	44.3	66.5
132	30.9	24.7	37.1



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Instrument :
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ClientSampleId :
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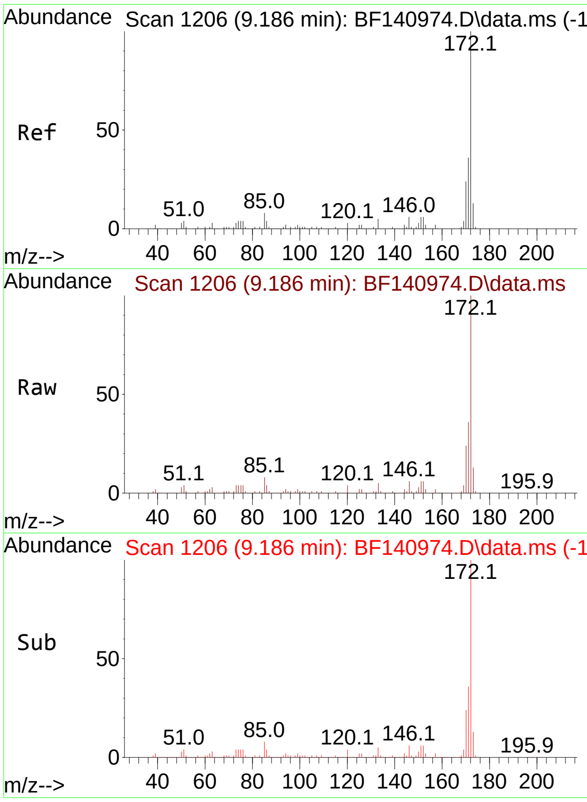
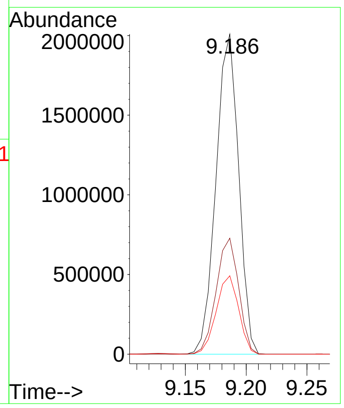
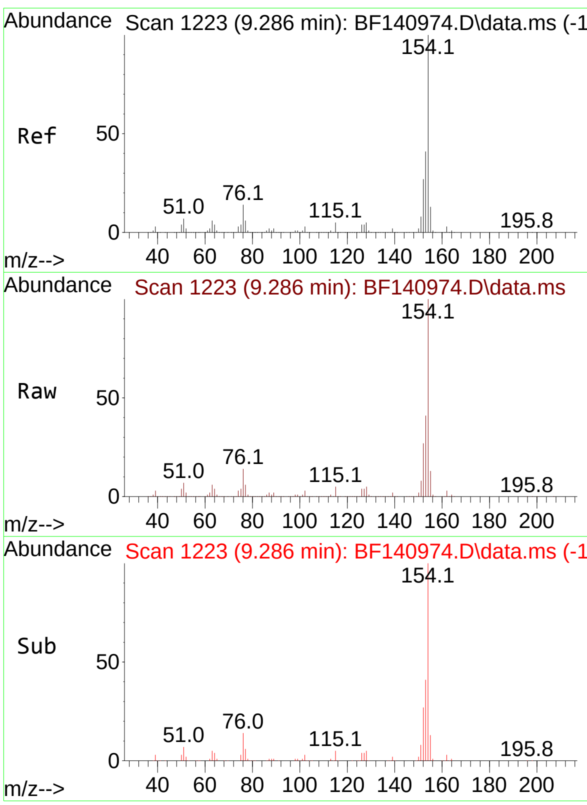


#45
2-Fluorobiphenyl
Concen: 74.872 ng
RT: 9.186 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:172 Resp: 261002

Ion	Ratio	Lower	Upper
172	100		
171	36.2	29.0	43.4
170	24.5	19.6	29.4

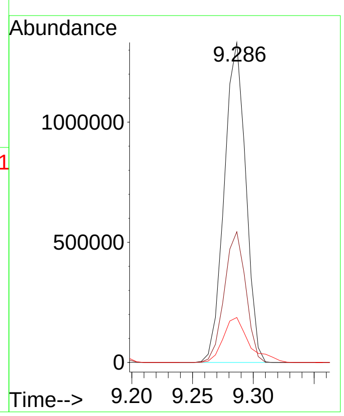


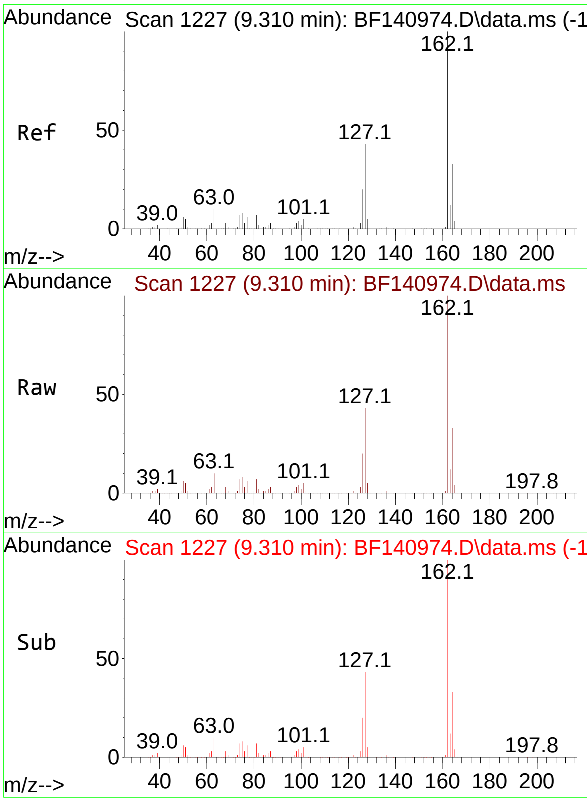


#46
1,1'-Biphenyl
Concen: 38.638 ng
RT: 9.286 min Scan# 1223
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:154 Resp: 1643157

Ion	Ratio	Lower	Upper
154	100		
153	40.9	20.9	60.9
76	14.0	0.0	34.0





#47
2-Chloronaphthalene
Concen: 38.385 ng
RT: 9.310 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:162 Resp: 126602

Ion	Ratio	Lower	Upper
162	100		
127	42.8	34.2	51.4
164	33.3	26.6	40.0

Instrument :
BNA_F
ClientSampleId :
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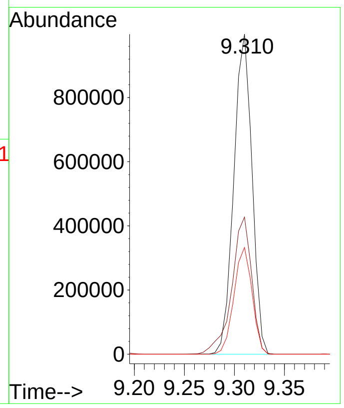
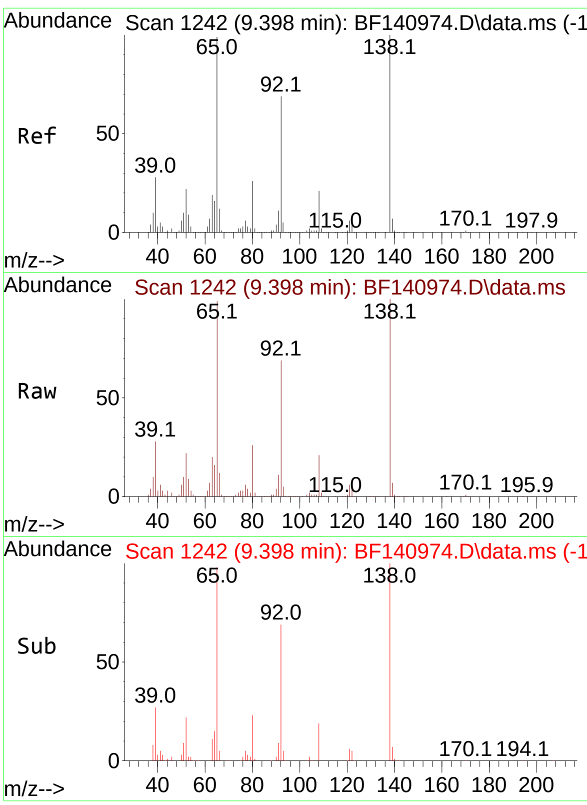
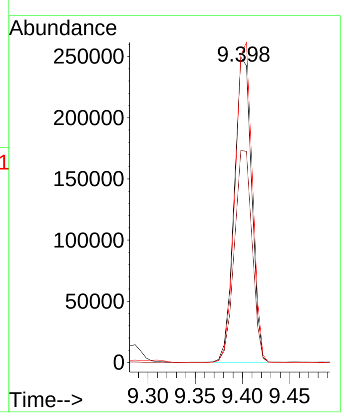




#48
2-Nitroaniline
Concen: 38.138 ng
RT: 9.398 min Scan# 1242
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion: 65 Resp: 319958

Ion	Ratio	Lower	Upper
65	100		
92	69.5	55.6	83.4
138	100.6	80.5	120.7



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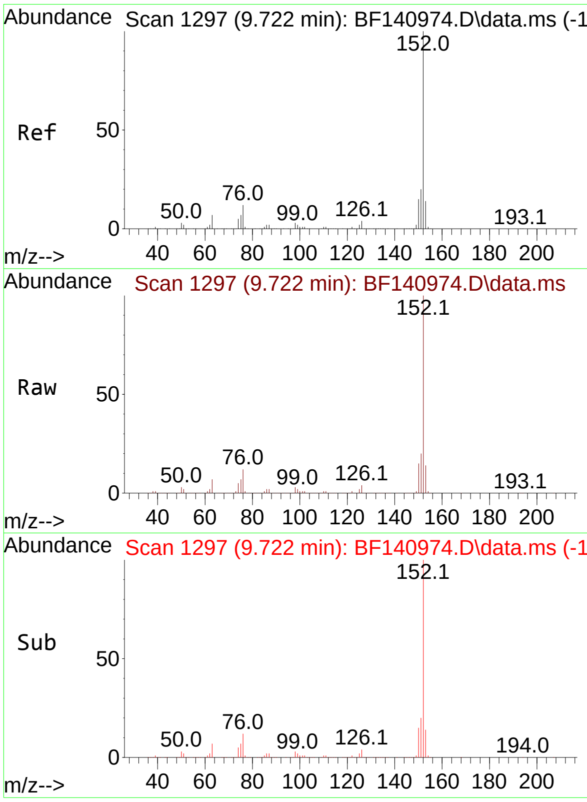

#49
Acenaphthylene
Concen: 38.706 ng
RT: 9.722 min   Scan# 1
Delta R.T.   -0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024   18:06

Tgt Ion:152 Resp: 183775

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.4
153	14.2	11.4	17.0

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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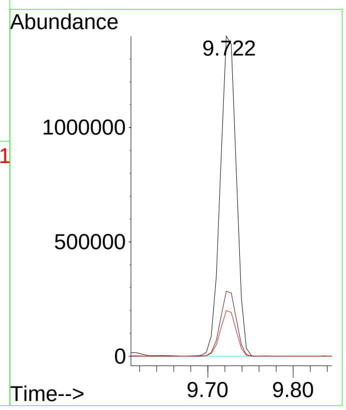
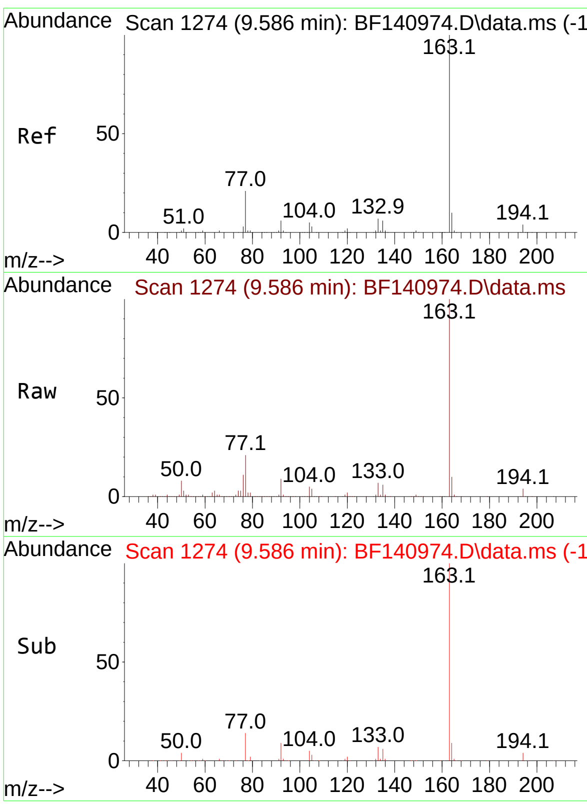
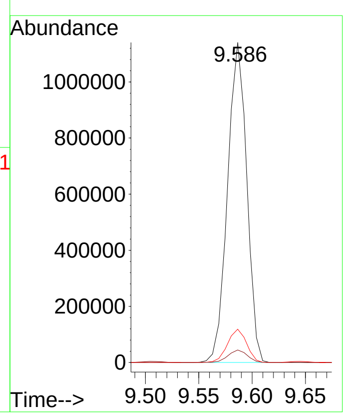




#50
Dimethylphthalate
Concen: 39.074 ng
RT: 9.586 min   Scan# 1274
Delta R.T.   0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024   18:06

Tgt Ion:163 Resp: 1427475

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.4	8.3	12.5



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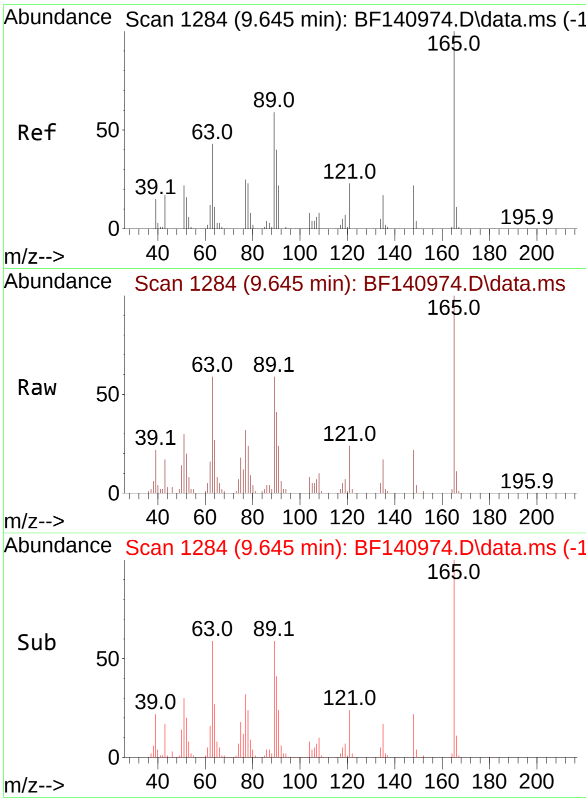

#51
2,6-Dinitrotoluene
Concen: 38.871 ng
RT: 9.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:165 Resp: 28399

Ion	Ratio	Lower	Upper
165	100		
63	58.9	47.1	70.7
89	58.7	47.0	70.4

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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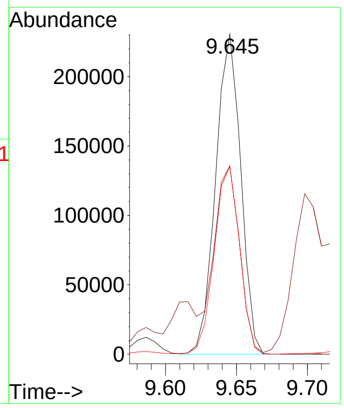
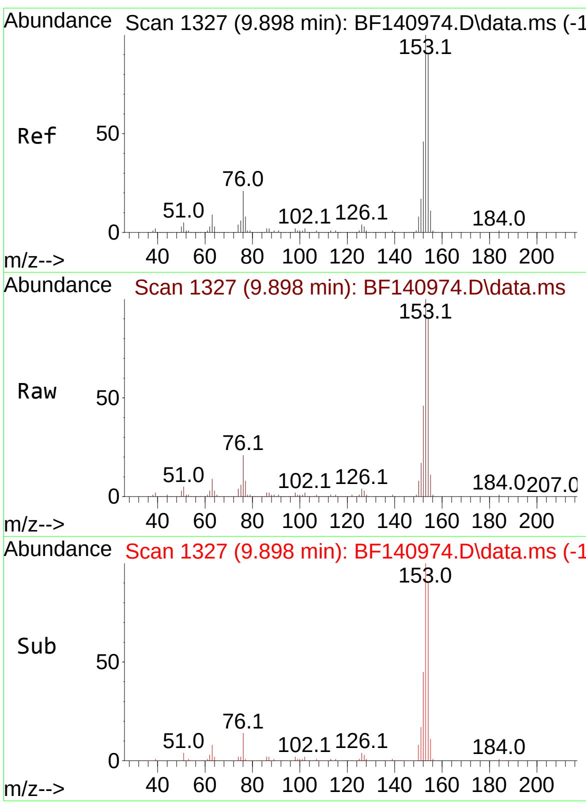
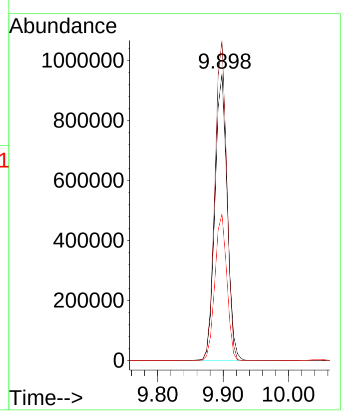




#52
Acenaphthene
Concen: 38.737 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:154 Resp: 1243394

Ion	Ratio	Lower	Upper
154	100		
153	111.5	89.2	133.8
152	51.1	40.9	61.3



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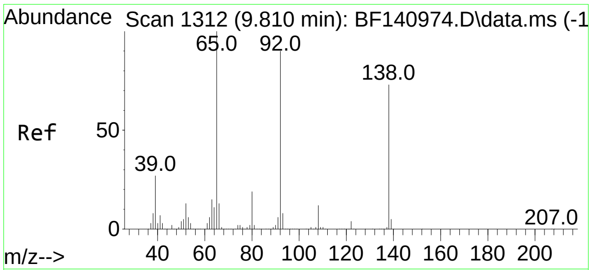

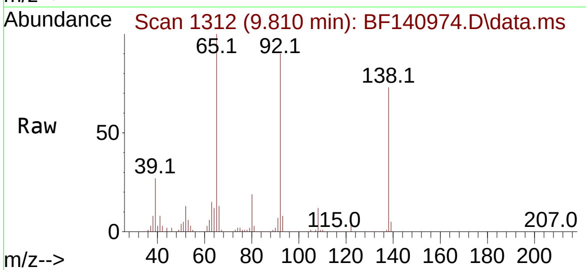

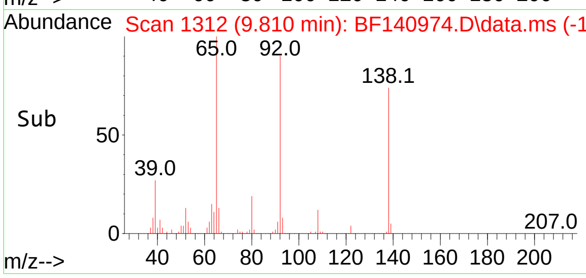

#53
3-Nitroaniline
Concen: 39.221 ng
RT: 9.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:138 Resp: 31257

Ion	Ratio	Lower	Upper
138	100		
108	16.9	13.5	20.3
92	122.1	97.7	146.5

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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Reviewed By :Yogesh Patel 12/27/2024
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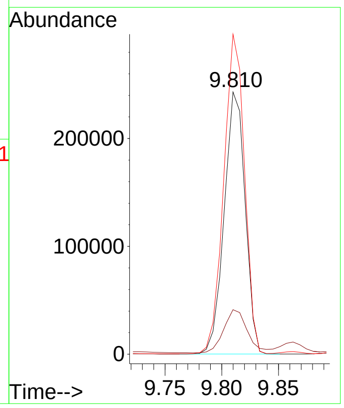
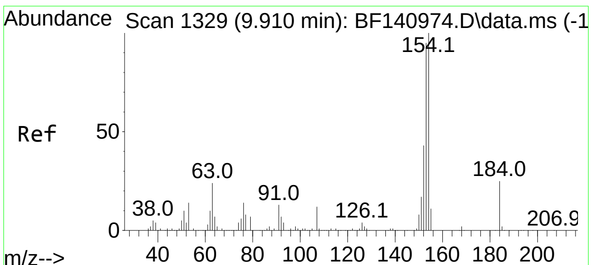
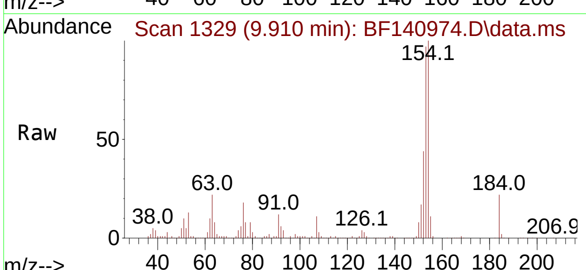
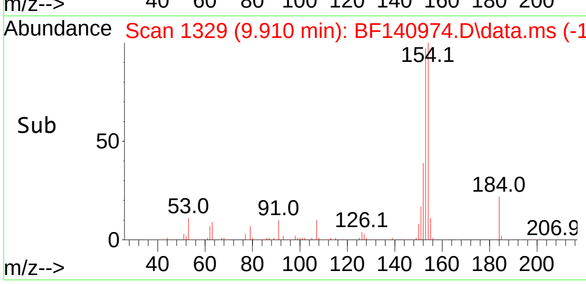




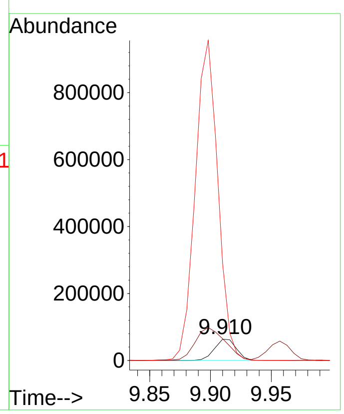




#54
2,4-Dinitrophenol
Concen: 37.853 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:184 Resp: 79893

Ion	Ratio	Lower	Upper
184	100		
63	102.0	81.6	122.4
154	454.4	363.5	545.3



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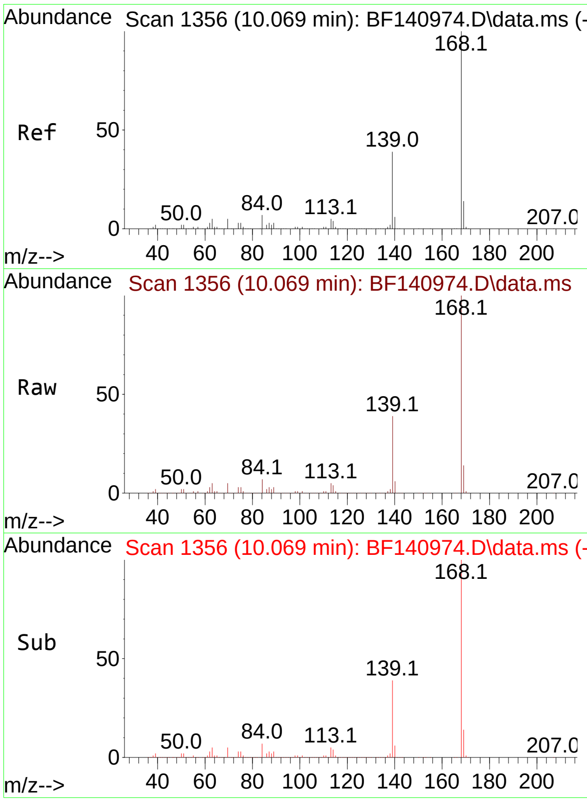

#55
Dibenzofuran
Concen: 38.535 ng
RT: 10.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:168 Resp: 173827

Ion	Ratio	Lower	Upper
168	100		
139	39.5	31.6	47.4
169	13.8	11.0	16.6

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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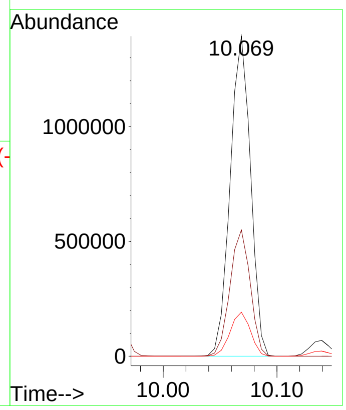
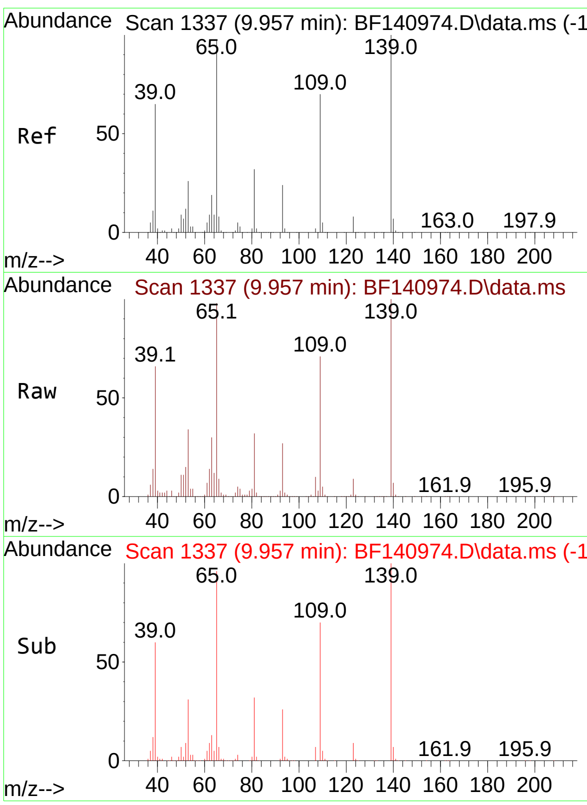
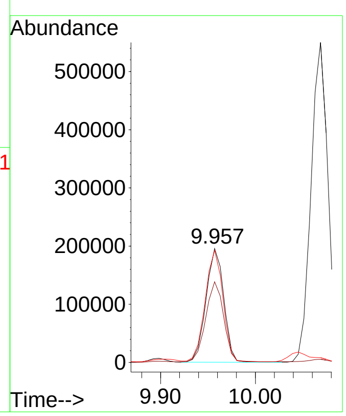




#56
4-Nitrophenol
Concen: 40.744 ng
RT: 9.957 min Scan# 1337
Delta R.T. -0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:139 Resp: 254611

Ion	Ratio	Lower	Upper
139	100		
109	70.8	50.8	90.8
65	98.5	78.5	118.5



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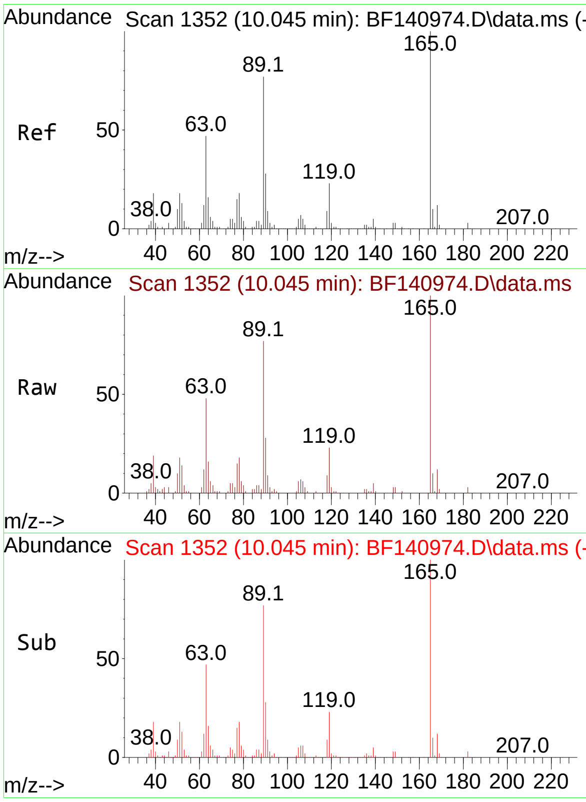
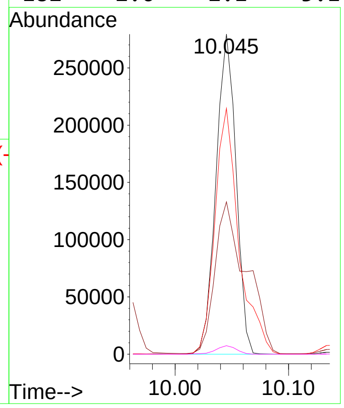


#57
2,4-Dinitrotoluene
Concen: 38.708 ng
RT: 10.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:165 Resp: 344129

Ion	Ratio	Lower	Upper
165	100		
63	47.6	38.1	57.1
89	76.8	61.4	92.2
182	2.6	2.1	3.1



Instrument :
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ClientSampleId :
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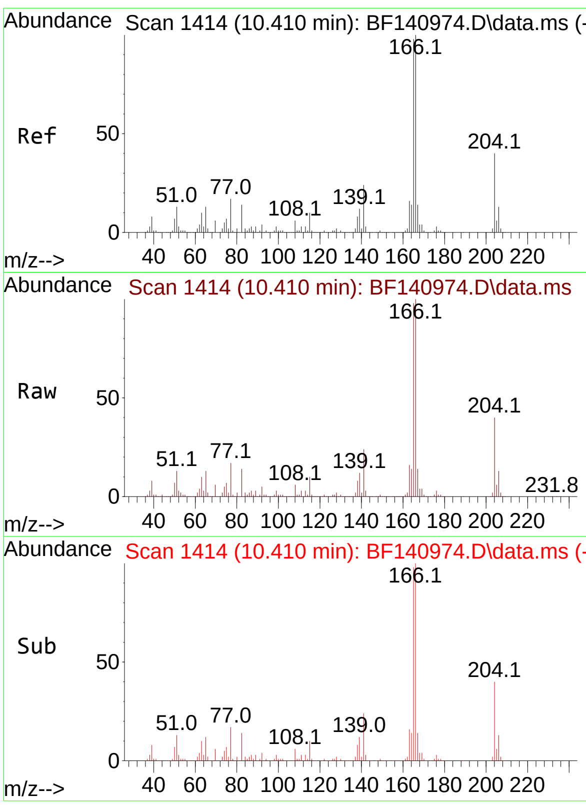
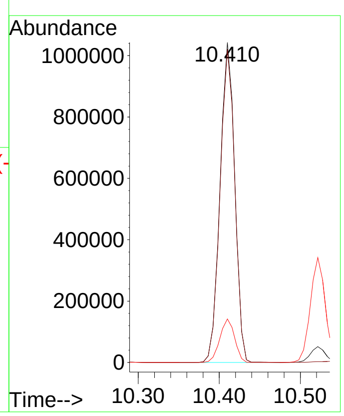


#58
Fluorene
Concen: 37.844 ng
RT: 10.410 min Scan# 1414
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:166 Resp: 1323793

Ion	Ratio	Lower	Upper
166	100		
165	97.9	78.3	117.5
167	13.6	10.9	16.3



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Instrument :
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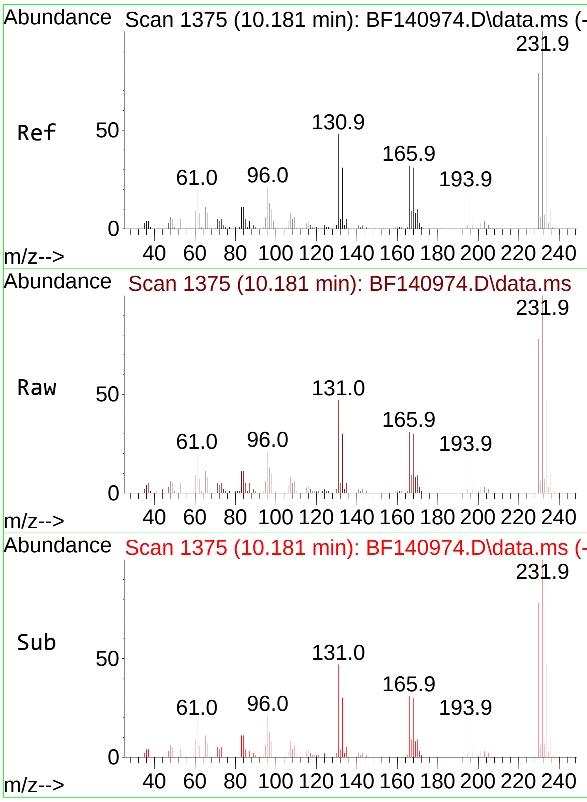
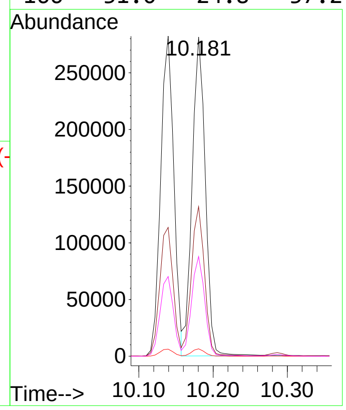
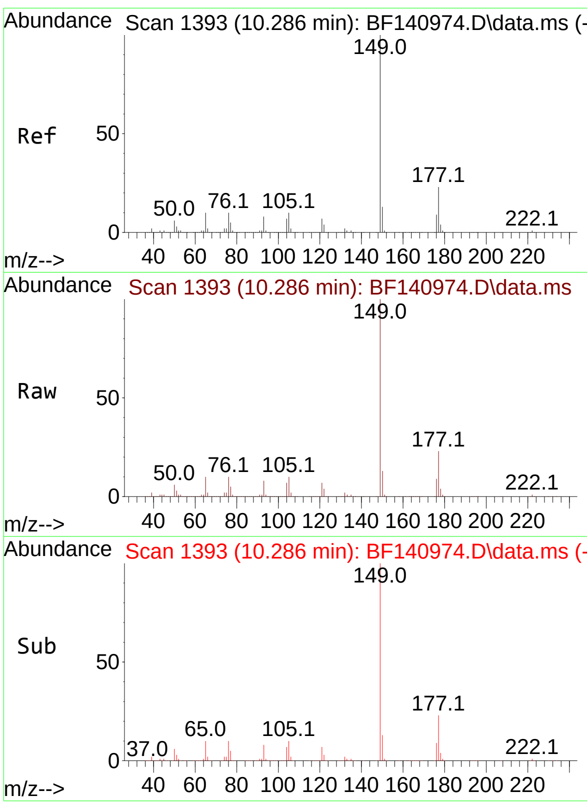


#59
2,3,4,6-Tetrachlorophenol
Concen: 40.453 ng
RT: 10.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:232 Resp: 34860

Ion	Ratio	Lower	Upper
232	100		
131	46.8	37.4	56.2
130	2.3	1.8	2.8
166	31.0	24.8	37.2

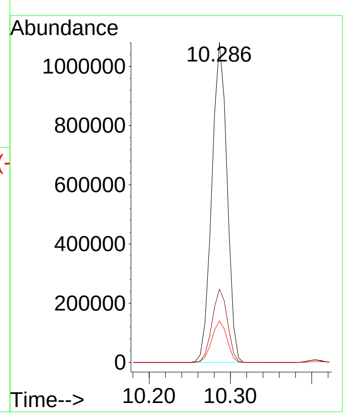




#60
Diethylphthalate
Concen: 38.988 ng
RT: 10.286 min Scan# 1393
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:149 Resp: 1406132

Ion	Ratio	Lower	Upper
149	100		
177	22.9	18.3	27.5
150	13.0	10.4	15.6



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Instrument :
BNA_F
ClientSampleId :
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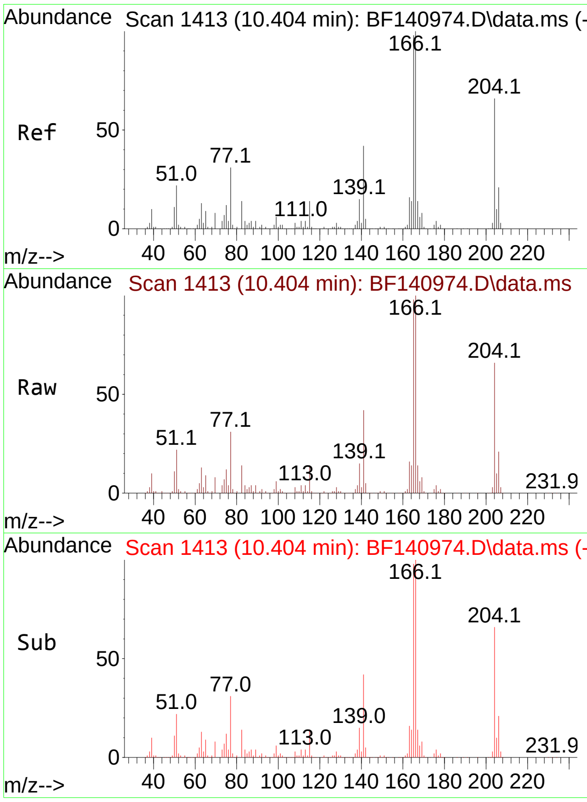
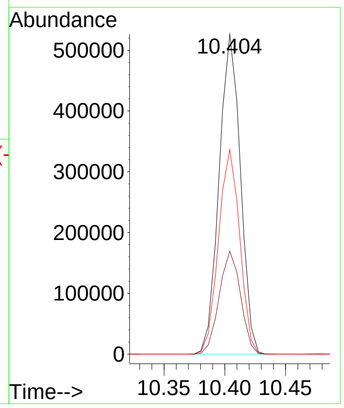
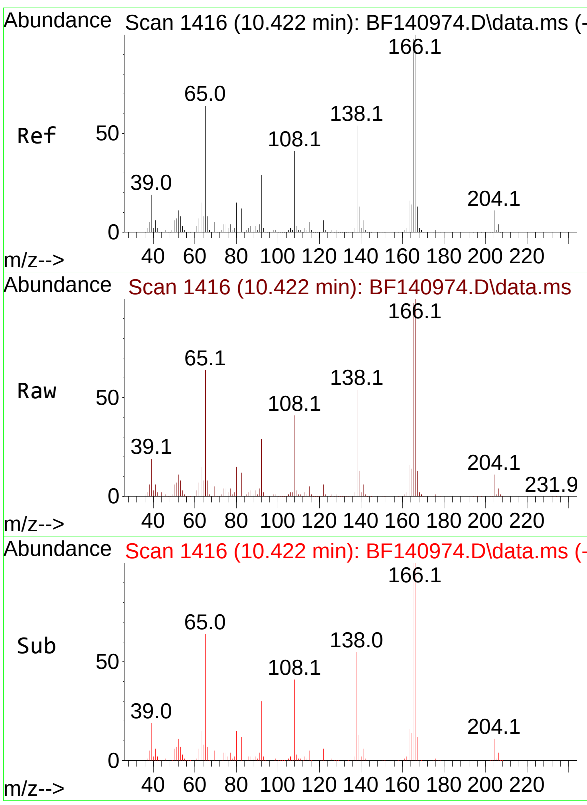


#61
4-Chlorophenyl-phenylether
Concen: 38.186 ng
RT: 10.404 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:204 Resp: 64273

Ion	Ratio	Lower	Upper
204	100		
206	32.2	25.8	38.6
141	64.0	51.2	76.8

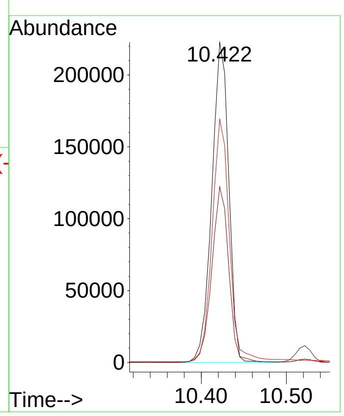




#62
4-Nitroaniline
Concen: 38.897 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:138 Resp: 309322

Ion	Ratio	Lower	Upper
138	100		
92	54.8	34.8	74.8
108	75.9	55.9	95.9



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Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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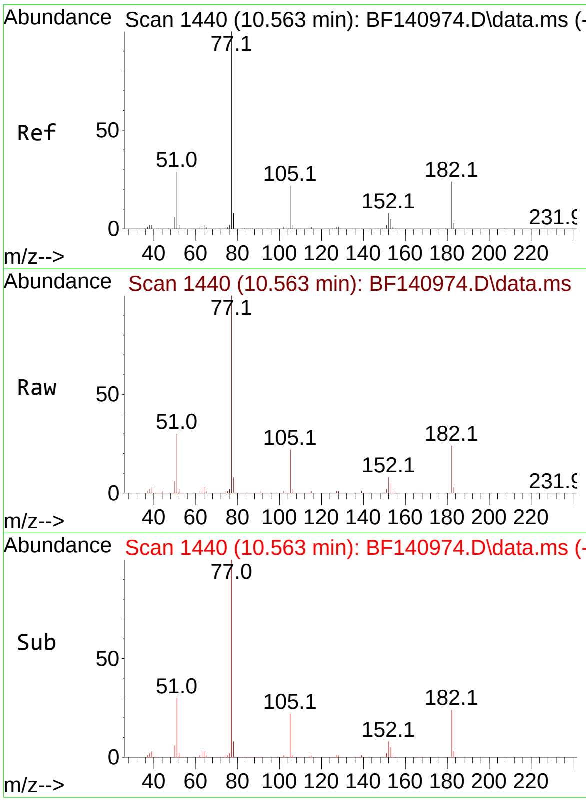
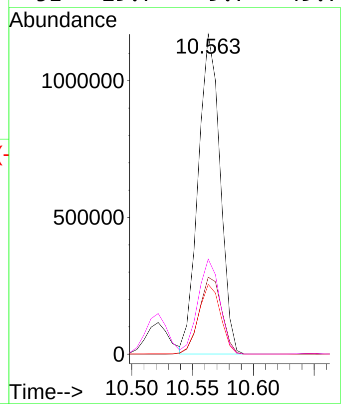
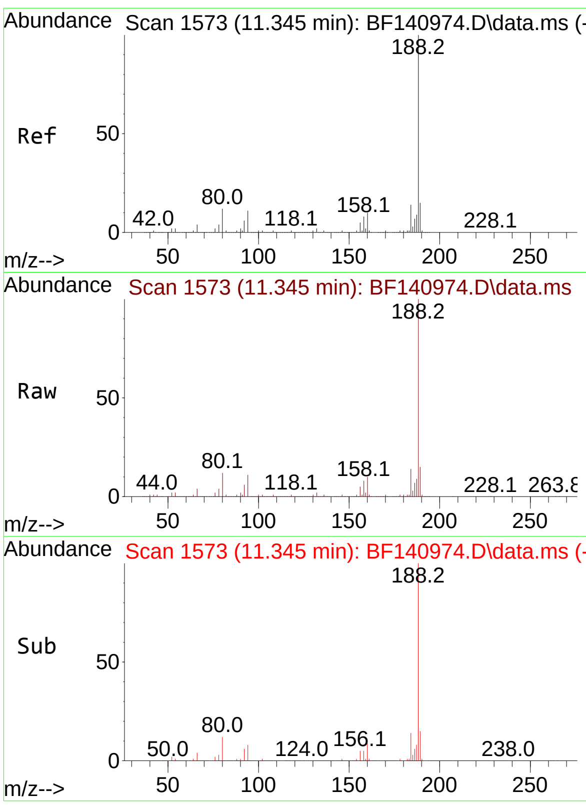


#63
Azobenzene
Concen: 38.712 ng
RT: 10.563 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion: 77 Resp: 146545

Ion	Ratio	Lower	Upper
77	100		
182	24.1	4.1	44.1
105	21.8	1.8	41.8
51	29.7	9.7	49.7

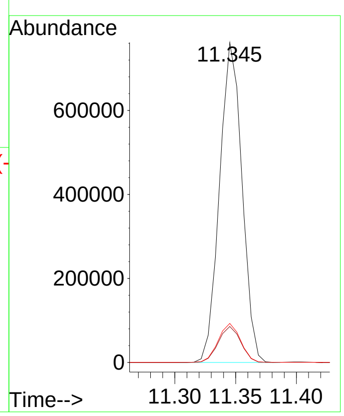




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:188 Resp: 980435

Ion	Ratio	Lower	Upper
188	100		
94	11.3	9.0	13.6
80	12.2	9.8	14.6



Instrument :
BNA_F
ClientSampleId :
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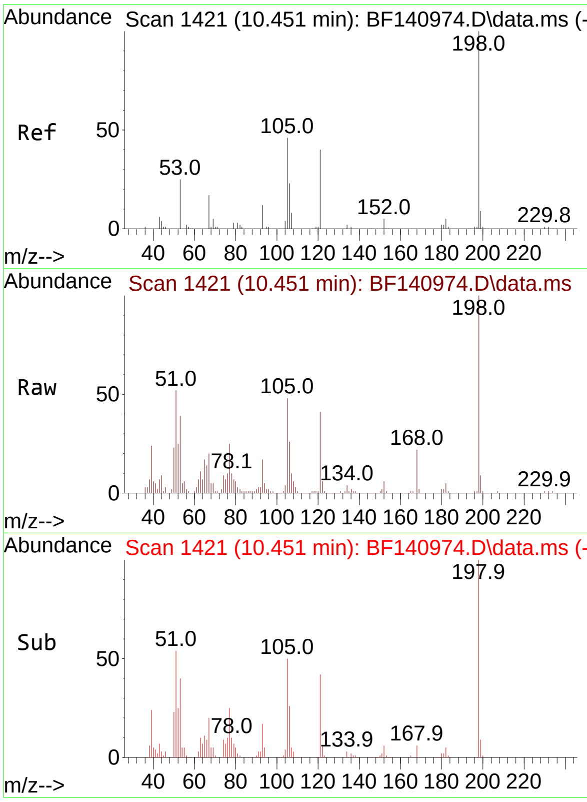
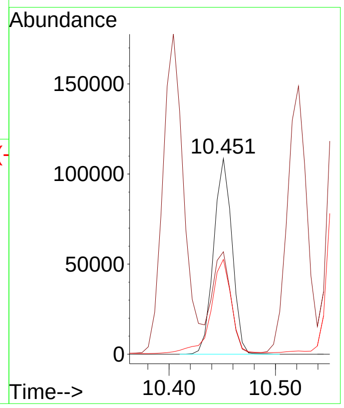
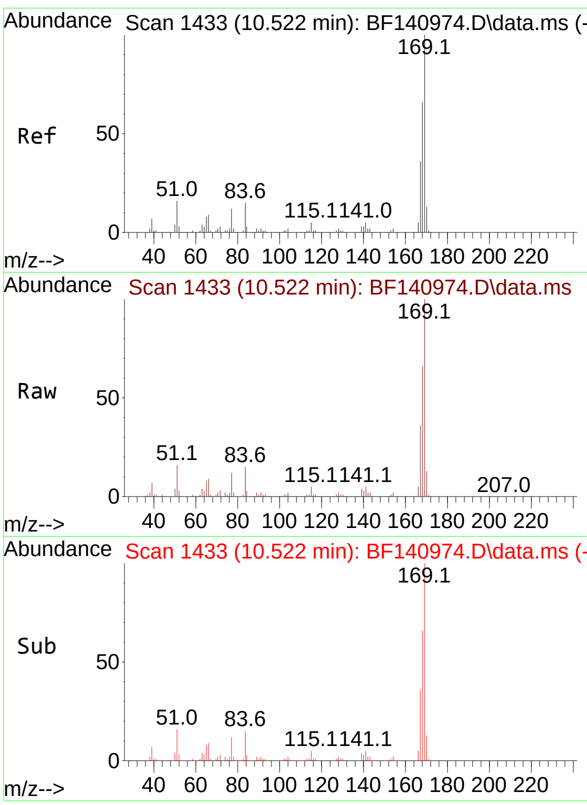


#65
4,6-Dinitro-2-methylphenol
Concen: 36.204 ng
RT: 10.451 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:198 Resp: 130378

Ion	Ratio	Lower	Upper
198	100		
51	52.3	32.3	72.3
105	48.4	28.4	68.4

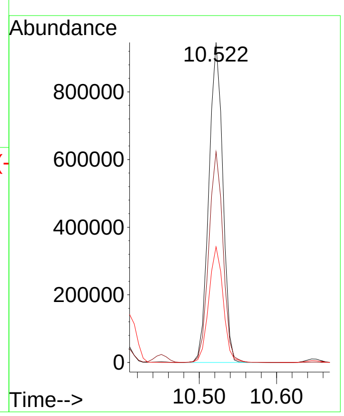




#66
n-Nitrosodiphenylamine
Concen: 38.454 ng
RT: 10.522 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:169 Resp: 1187207

Ion	Ratio	Lower	Upper
169	100		
168	65.8	52.6	79.0
167	36.2	29.0	43.4



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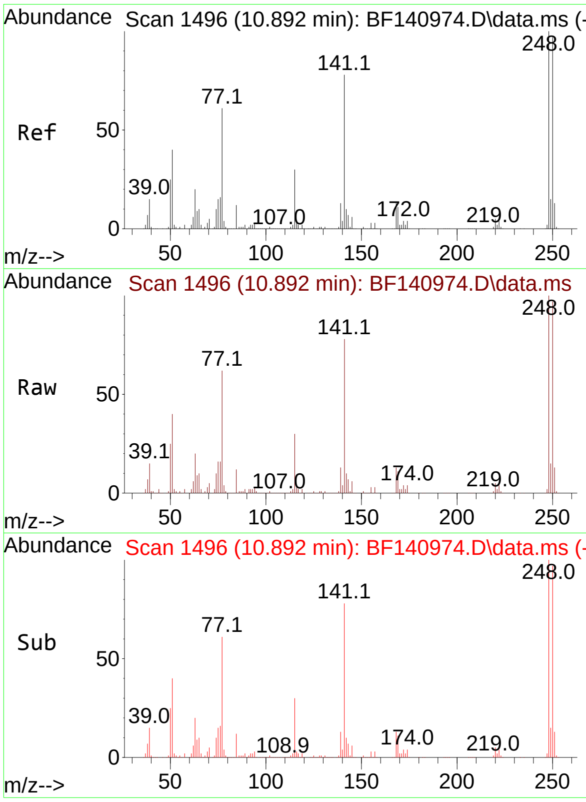

#67
4-Bromophenyl-phenylether
Concen: 39.329 ng
RT: 10.892 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:248 Resp: 41683

Ion	Ratio	Lower	Upper
248	100		
250	97.1	77.7	116.5
141	77.6	62.1	93.1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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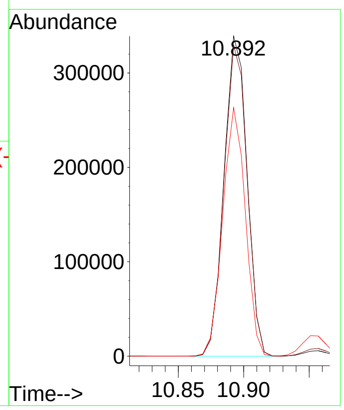
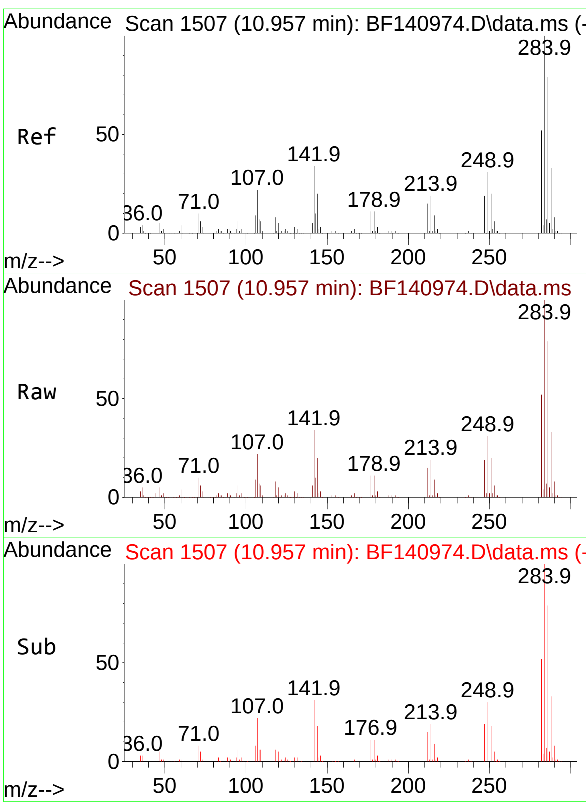
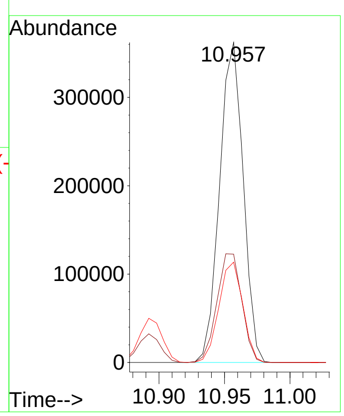




#68
Hexachlorobenzene
Concen: 38.863 ng
RT: 10.957 min Scan# 1507
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:284 Resp: 454182

Ion	Ratio	Lower	Upper
284	100		
142	33.9	27.1	40.7
249	31.4	25.1	37.7



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Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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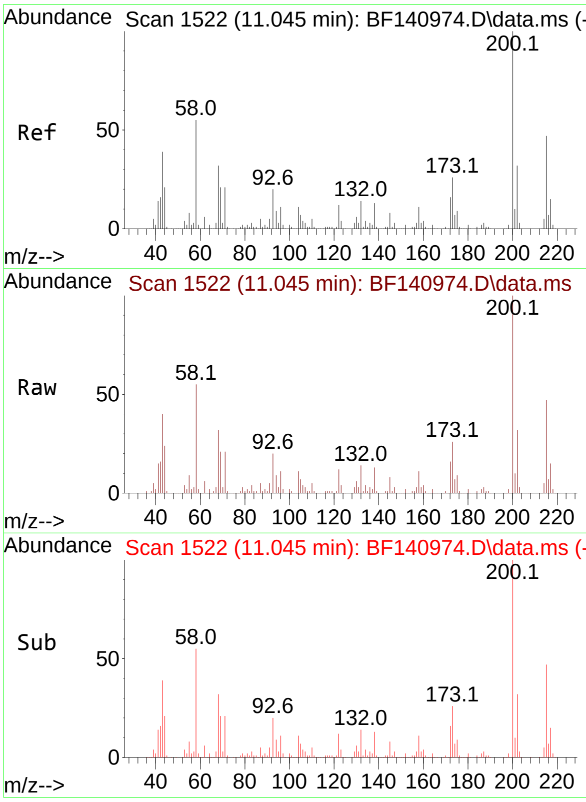
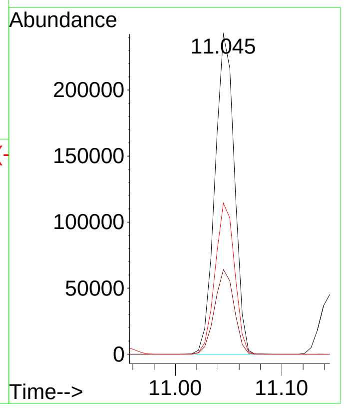
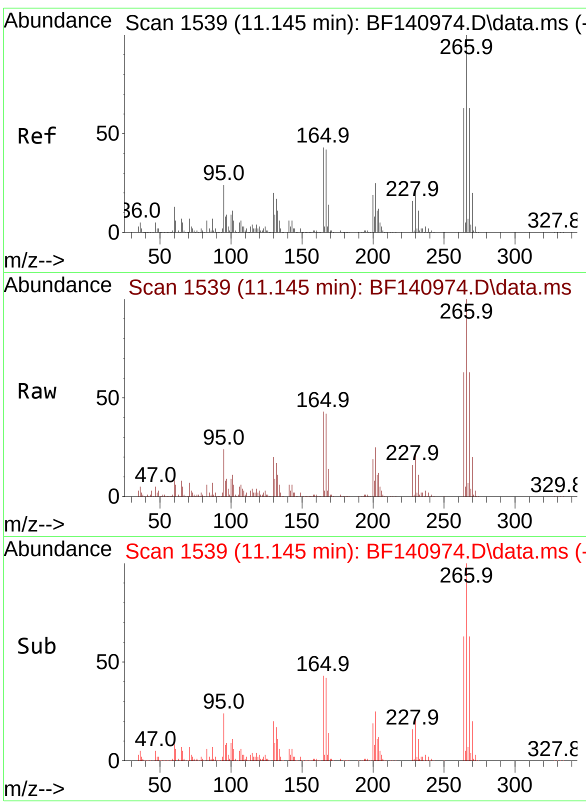



```
#69
Atrazine
Concen:   35.559 ng
RT:  11.045 min   Scan# 1
Delta R.T.   0.000 min
Lab File:    BF140974.D
Acq: 26 Dec 2024   18:06

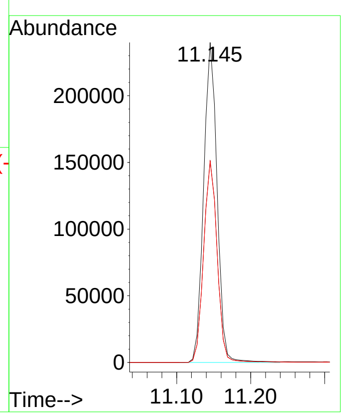
Tgt Ion:200 Resp:   30670
Ion   Ratio   Lower   Upper
200   100
173    26.4     6.4    46.4
215    47.2    27.2    67.2
```

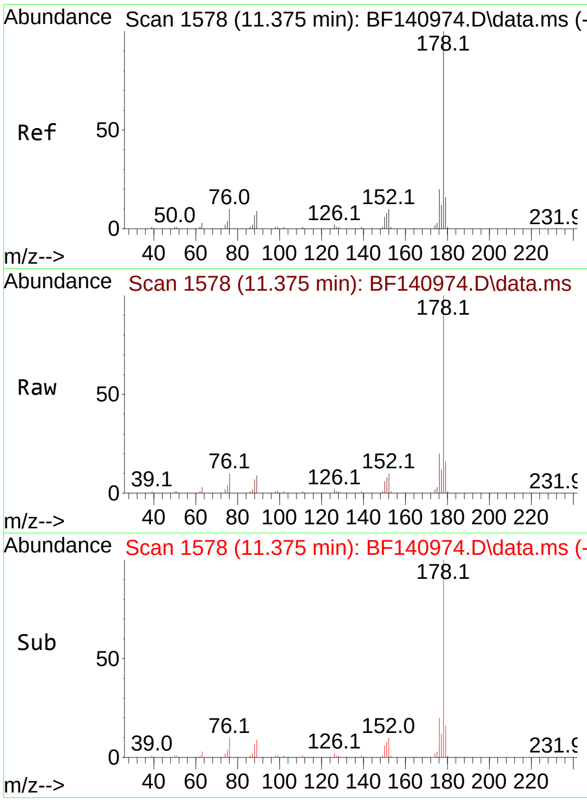





```
#70
Pentachlorophenol
Concen:   41.789 ng
RT:  11.145 min   Scan# 1539
Delta R.T.   0.000 min
Lab File:    BF140974.D
Acq: 26 Dec 2024   18:06

Tgt Ion:266 Resp:   304066
Ion   Ratio   Lower   Upper
266   100
268    63.1    50.5    75.7
264    62.8    50.2    75.4
```

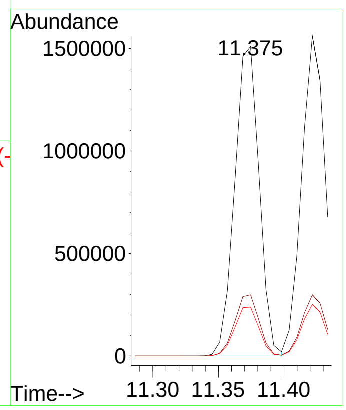




#71
Phenanthrene
Concen: 38.179 ng
RT: 11.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:178 Resp: 197008

Ion	Ratio	Lower	Upper
178	100		
176	19.7	15.8	23.6
179	15.8	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
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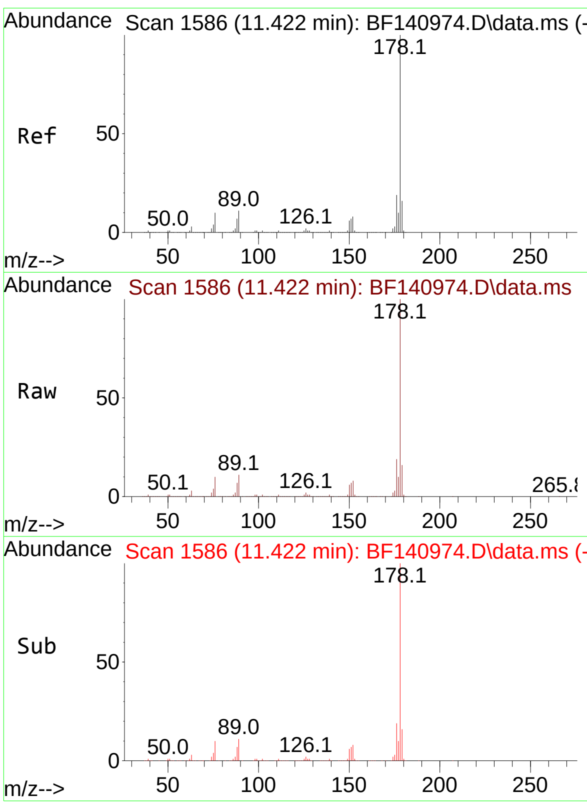
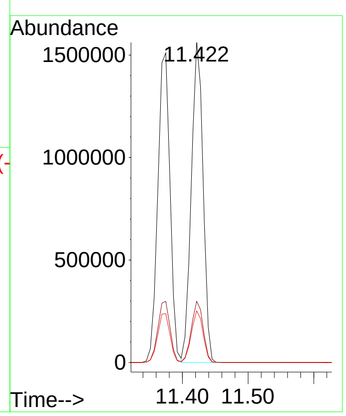


#72
Anthracene
Concen: 38.437 ng
RT: 11.422 min Scan# 1586
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:178 Resp: 1943496

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	16.1	12.9	19.3



Instrument :
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ClientSampleId :
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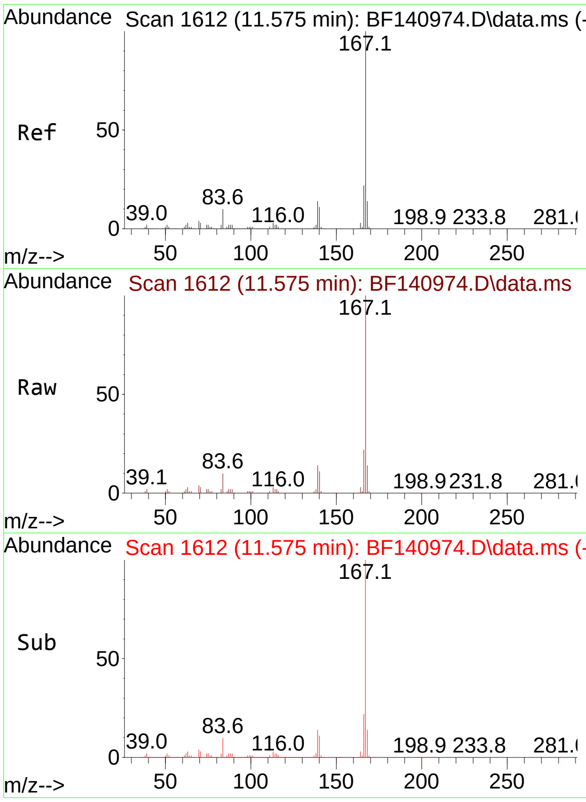
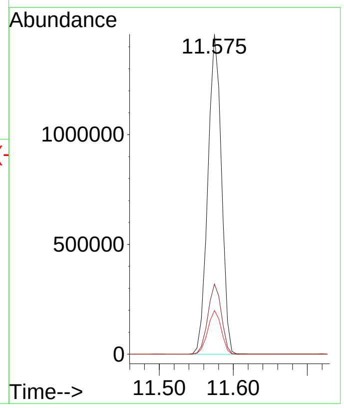
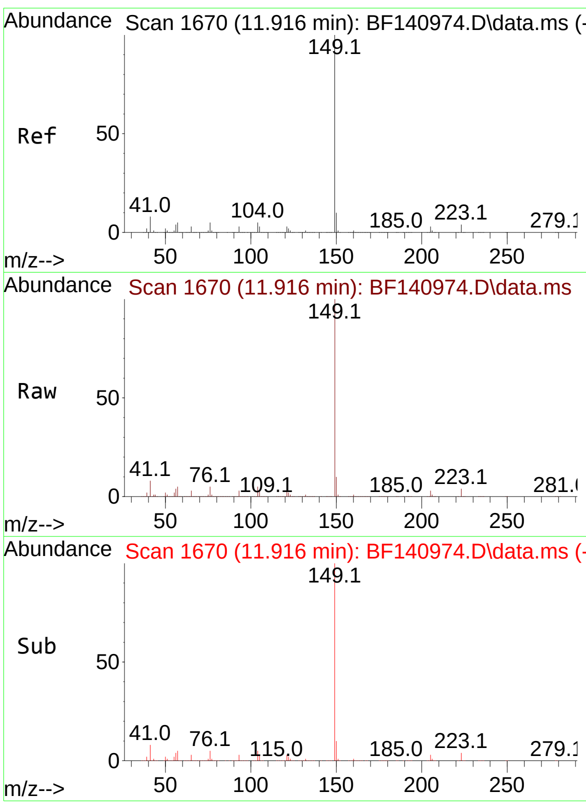


#73
Carbazole
Concen: 38.188 ng
RT: 11.575 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:167 Resp: 185620

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.5	26.3
139	13.7	11.0	16.4

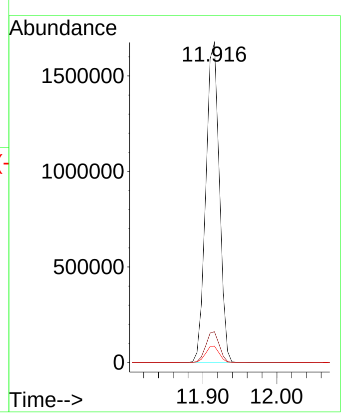




#74
Di-n-butylphthalate
Concen: 38.425 ng
RT: 11.916 min Scan# 1670
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:149 Resp: 2124340

Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.7	11.5
104	5.1	4.1	6.1



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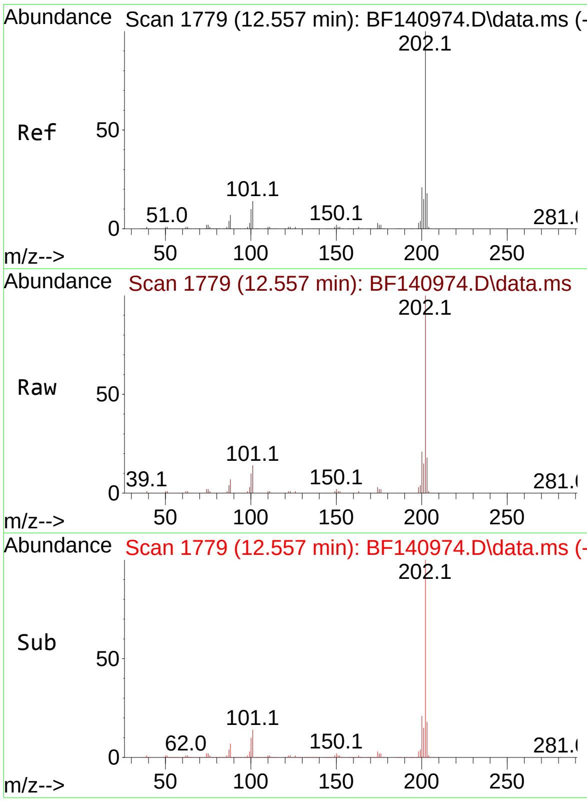

#75
Fluoranthene
Concen: 38.240 ng
RT: 12.557 min   Scan# 1
Delta R.T.   0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024   18:06

Tgt Ion:202 Resp: 214011

Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	33.7
203	18.1	0.0	38.1

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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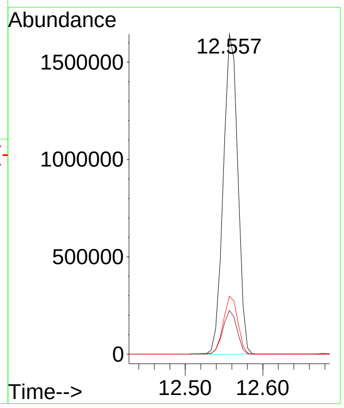
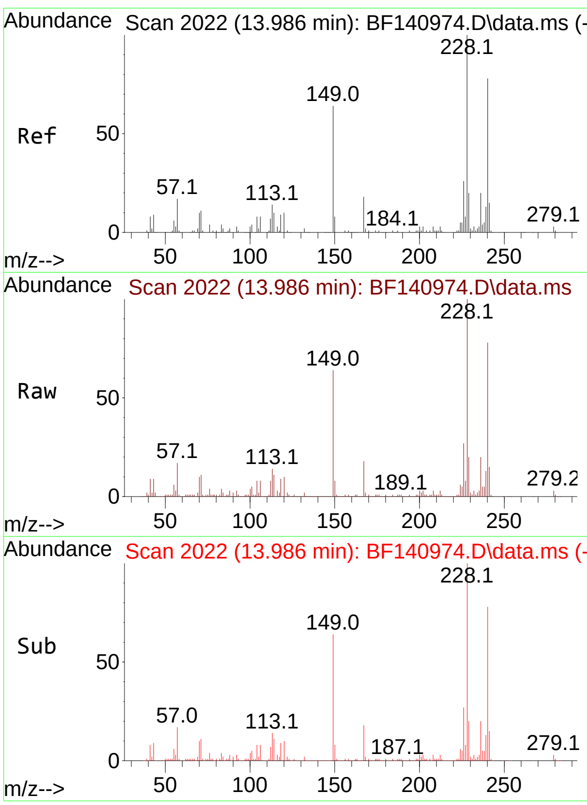
Supervised By :mohammad ahmed   12/27/2024

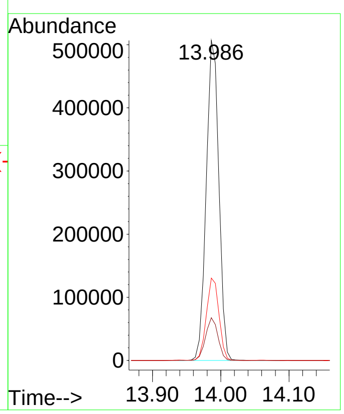




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min   Scan# 2022
Delta R.T.   0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024   18:06

Tgt Ion:240 Resp: 652144

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



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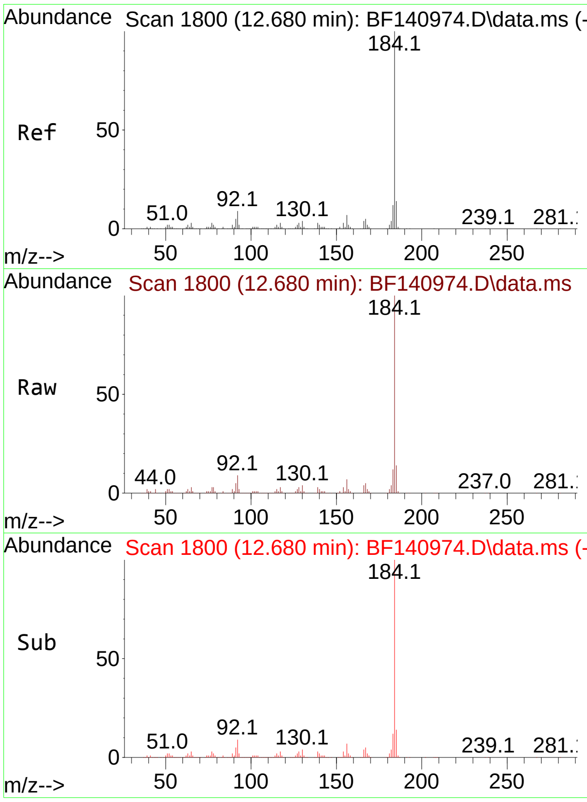
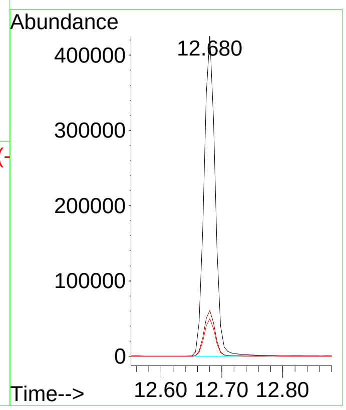


#77
Benzidine
Concen: 39.248 ng
RT: 12.680 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:184 Resp: 54093

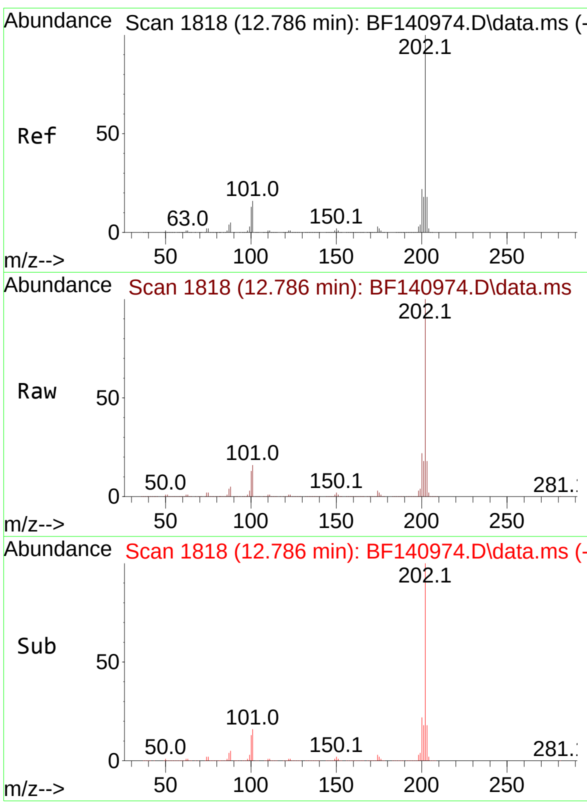
Ion	Ratio	Lower	Upper
184	100		
185	14.3	11.4	17.2
183	11.7	9.4	14.0



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

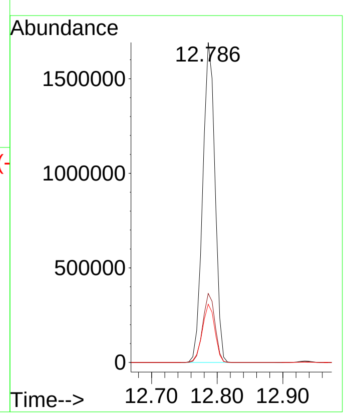
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



#78
Pyrene
Concen: 38.693 ng
RT: 12.786 min Scan# 1818
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:202 Resp: 2206885

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.3	25.9
203	18.2	14.6	21.8

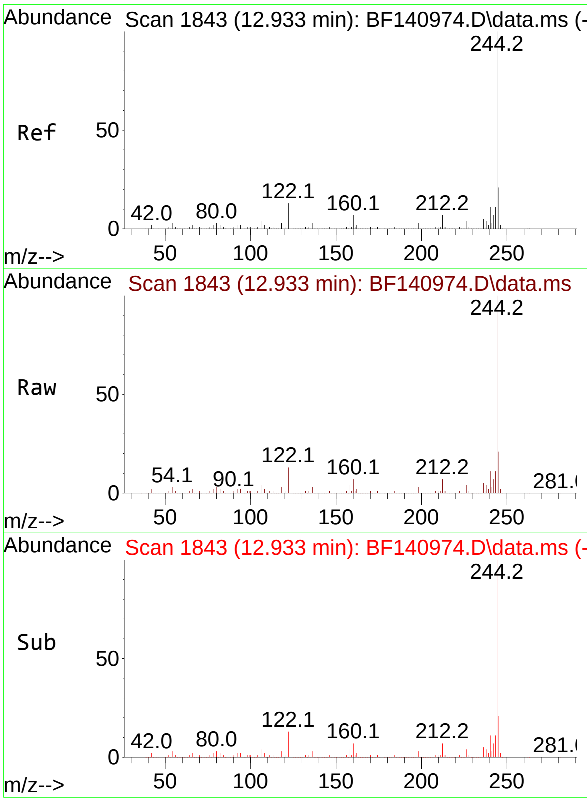


ICAL Form

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations
APPROVED

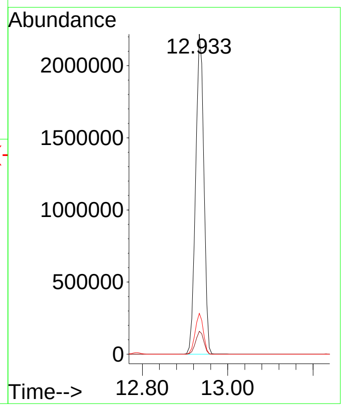
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

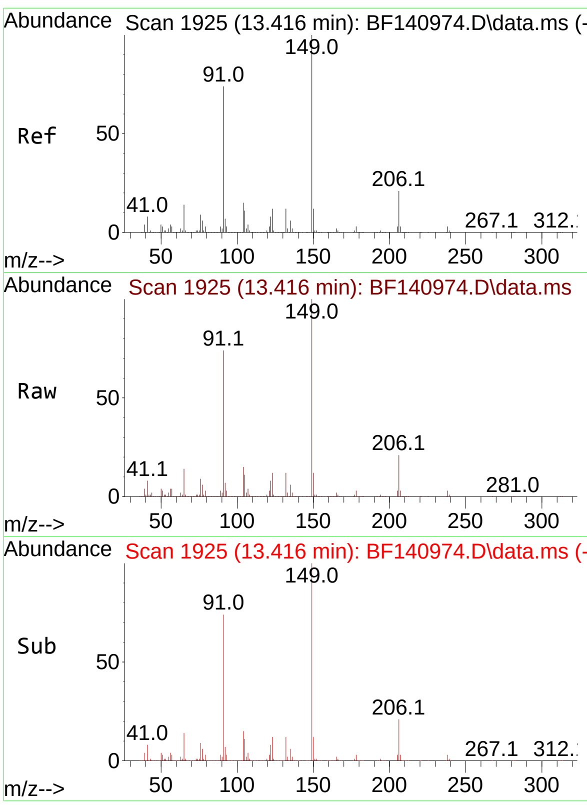


#79
Terphenyl-d14
Concen: 75.816 ng
RT: 12.933 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:244 Resp: 297669

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	12.7	10.2	15.2

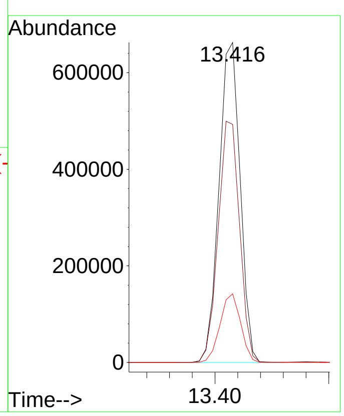


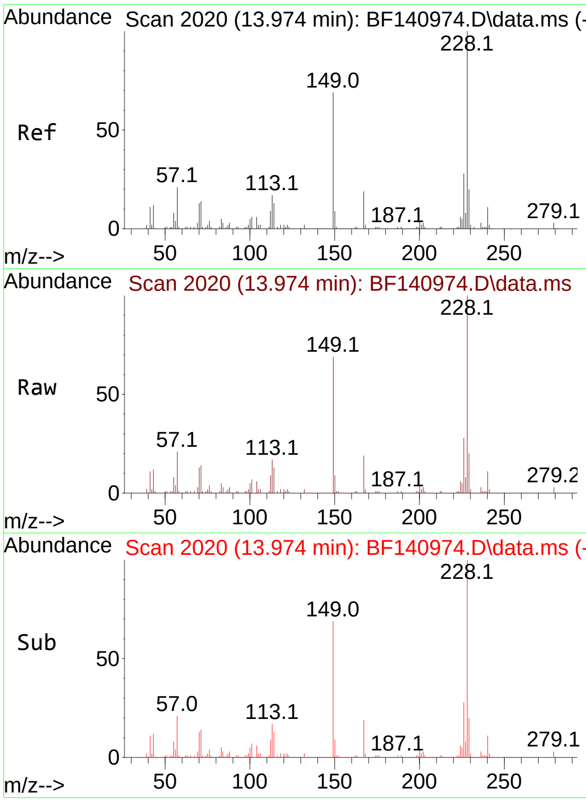


#80
Butylbenzylphthalate
Concen: 41.109 ng
RT: 13.416 min Scan# 1925
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:149 Resp: 856154

Ion	Ratio	Lower	Upper
149	100		
91	74.4	59.5	89.3
206	21.4	17.1	25.7





#81
Benzo(a)anthracene
Concen: 39.297 ng
RT: 13.974 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

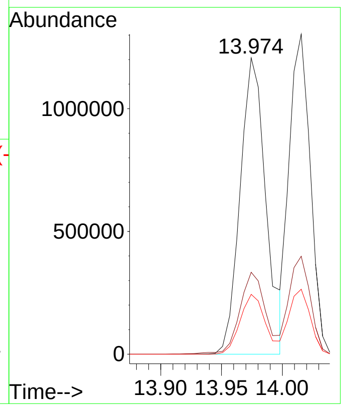
Tgt Ion:228 Resp: 178608(

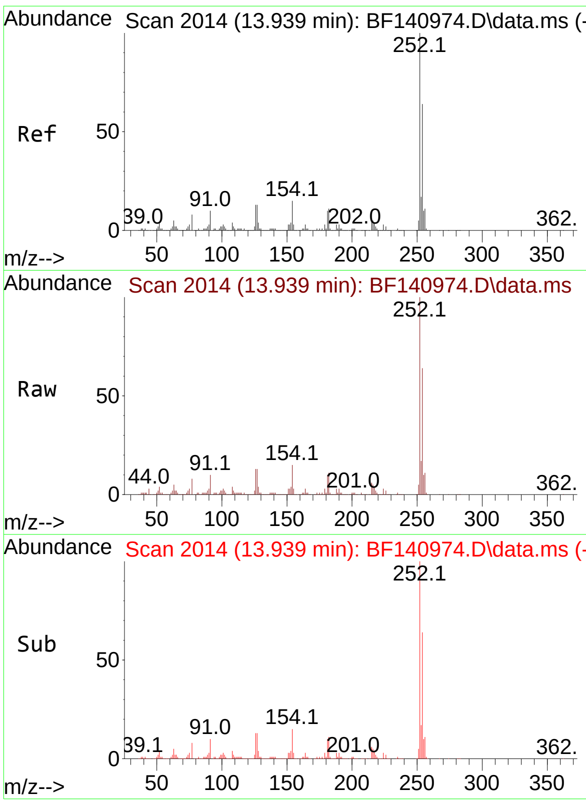
Ion	Ratio	Lower	Upper
228	100		
226	27.6	22.1	33.1
229	20.2	16.2	24.2

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

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

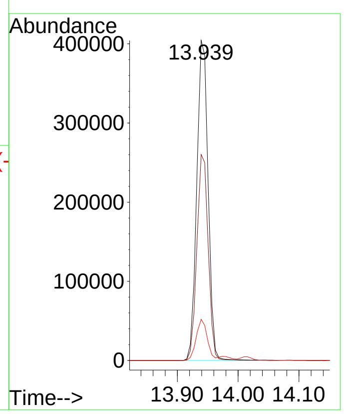


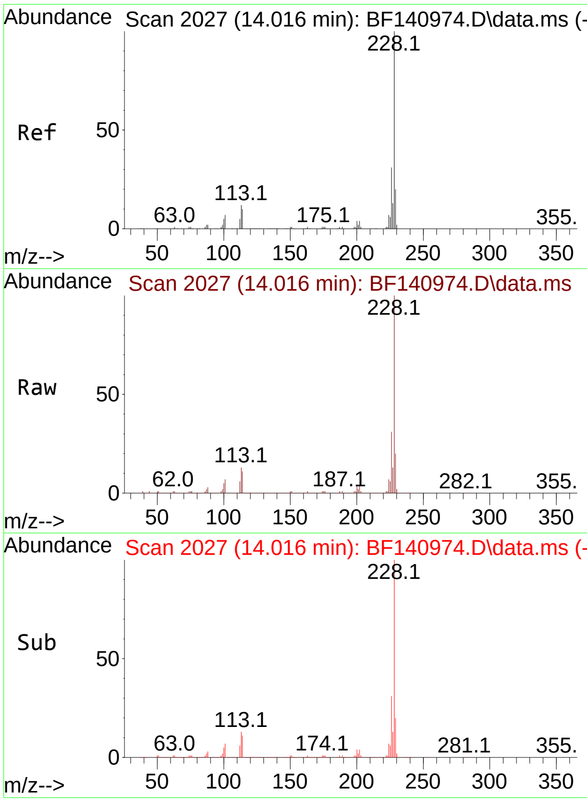


#82
3,3'-Dichlorobenzidine
Concen: 38.446 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:252 Resp: 524994

Ion	Ratio	Lower	Upper
252	100		
254	64.4	51.5	77.3
126	12.9	10.3	15.5





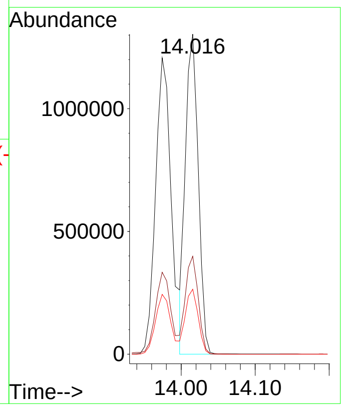
#83
Chrysene
Concen: 38.441 ng
RT: 14.016 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

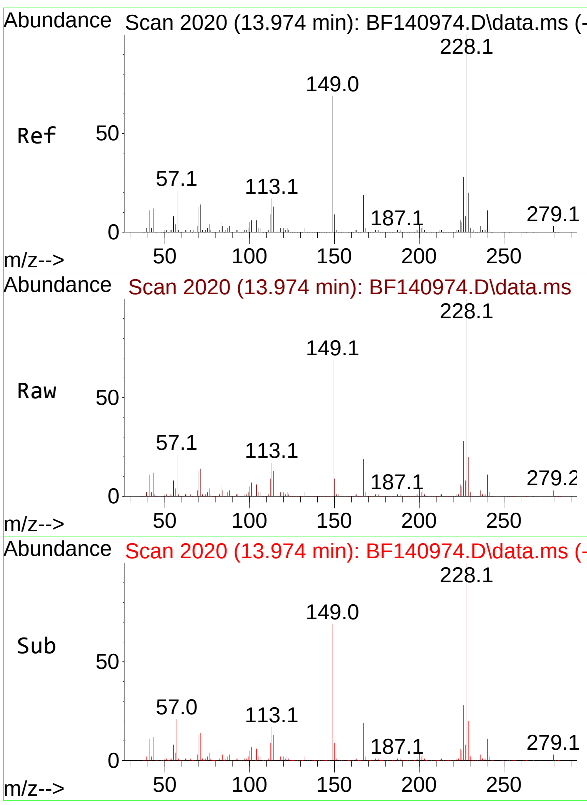
Tgt Ion:228 Resp: 157499(

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.5	36.7
229	20.3	16.2	24.4

Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

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

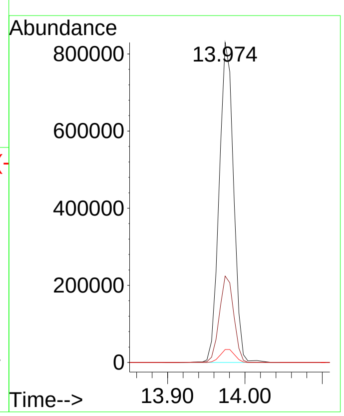




#84
Bis(2-ethylhexyl)phthalate
Concen: 39.607 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:149 Resp: 1069992

Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.6	32.4
279	4.0	3.2	4.8

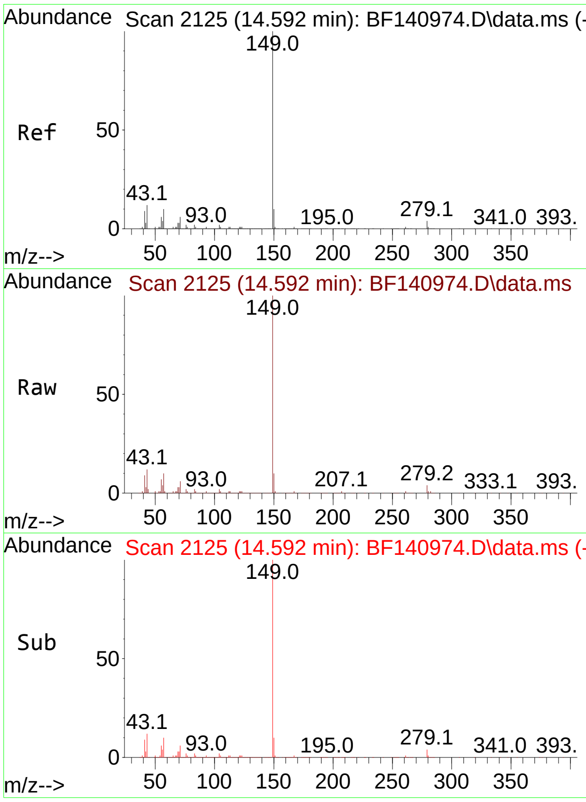


ICAL Form

Instrument : BNA_F
ClientSampleId : SSTDICCC040

Manual Integrations APPROVED

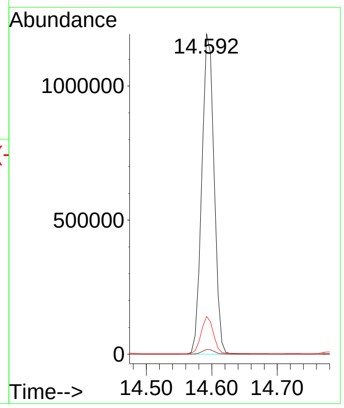
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

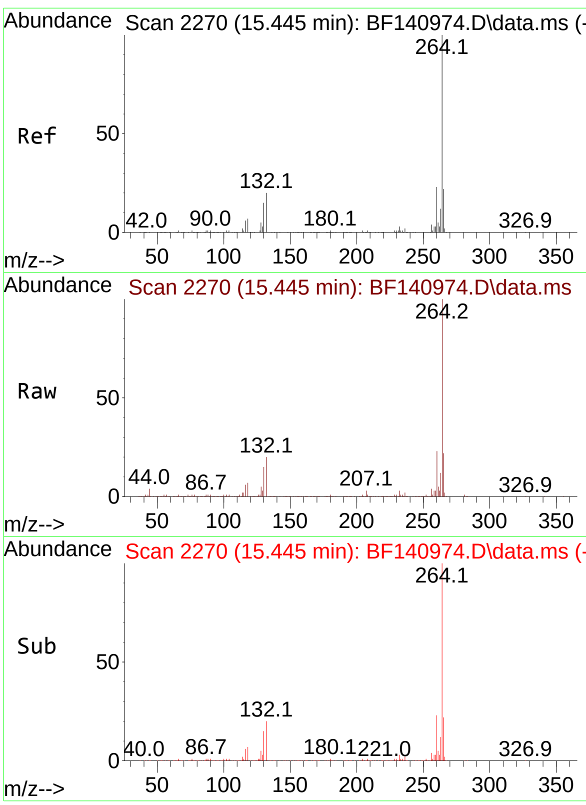


#85
Di-n-octyl phthalate
Concen: 39.982 ng
RT: 14.592 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:149 Resp: 156331

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	11.6	9.3	13.9

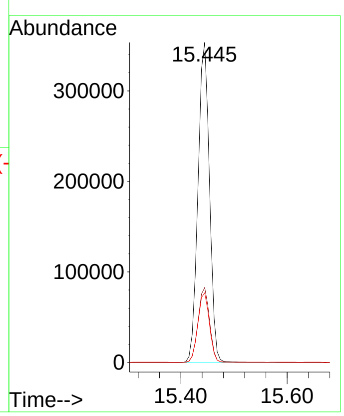




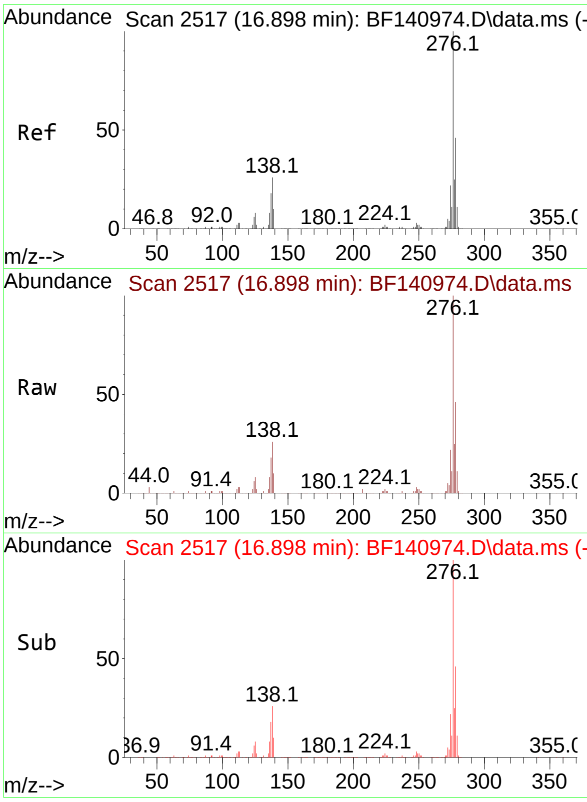
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:264 Resp: 531798

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.7	28.1
265	21.8	17.4	26.2



ICAL Form



#87
Indeno(1,2,3-cd)pyrene
Concen: 41.609 ng
RT: 16.898 min Scan# 2!
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

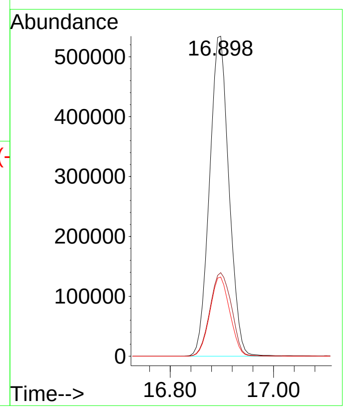
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

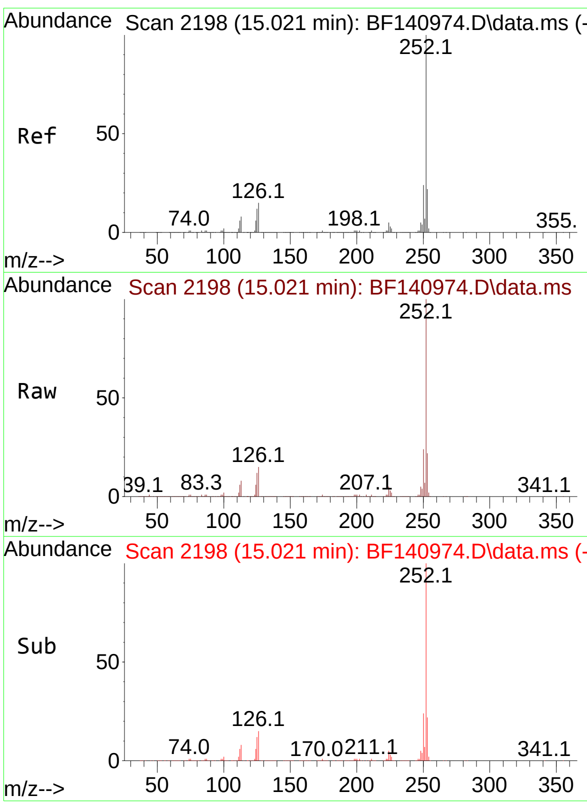
Tgt Ion:276 Resp: 139410

Ion	Ratio	Lower	Upper
276	100		
138	28.9	23.1	34.7
277	25.5	20.4	30.6

Manual Integrations APPROVED

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

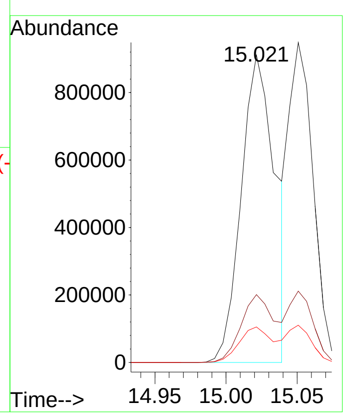




#88
Benzo(b)fluoranthene
Concen: 40.626 ng
RT: 15.021 min Scan# 2198
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:252 Resp: 1506798

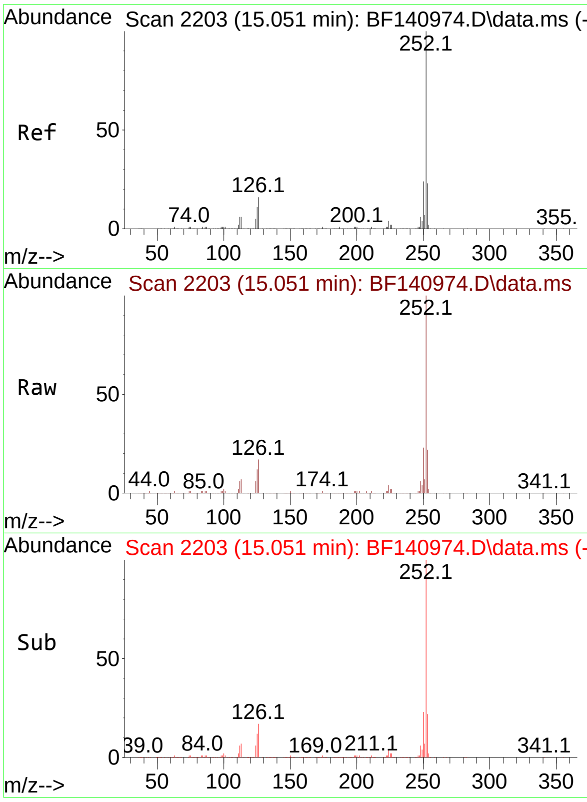
Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	11.6	9.3	13.9



Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

Manual Integrations APPROVED

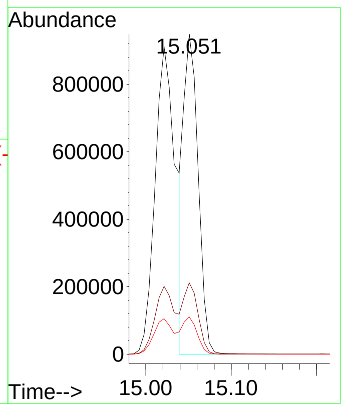
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

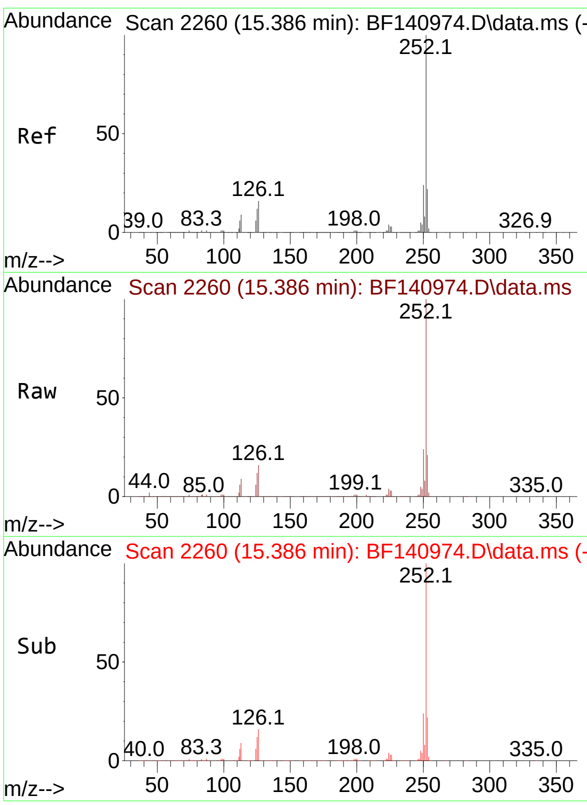


#89
Benzo(k)fluoranthene
Concen: 38.976 ng
RT: 15.051 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:252 Resp: 113302

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.8	26.8
125	11.7	9.4	14.0

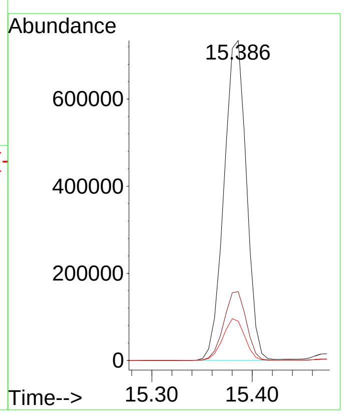


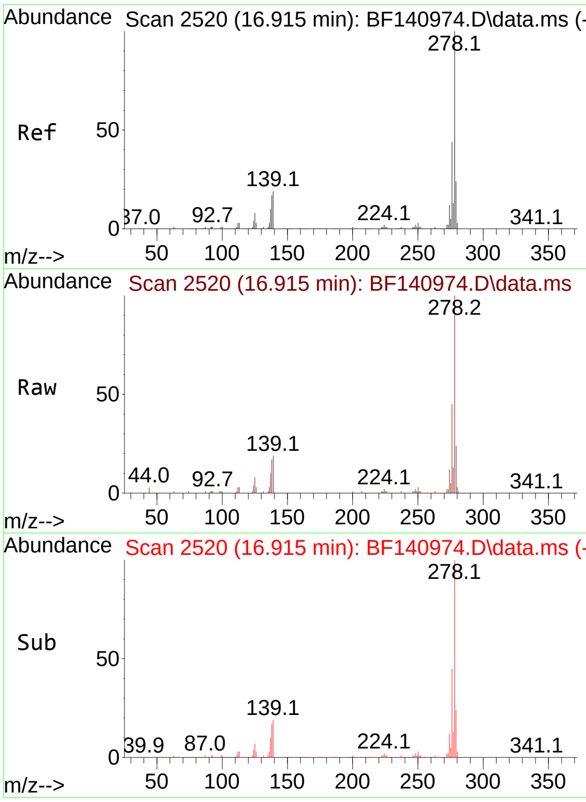


#90
Benzo(a)pyrene
Concen: 39.479 ng
RT: 15.386 min Scan# 2260
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:252 Resp: 1136531

Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.2	25.8
125	12.3	9.8	14.8





#91
Dibenzo(a,h)anthracene
Concen: 41.900 ng
RT: 16.915 min Scan# 2!
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

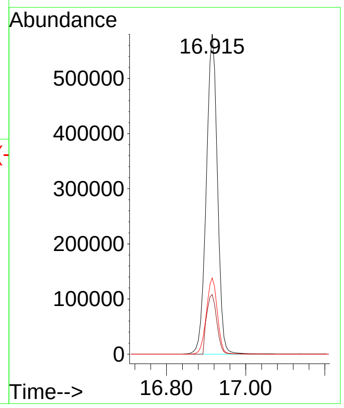
Instrument :
BNA_F
ClientSampleId :
SSTDICCC040

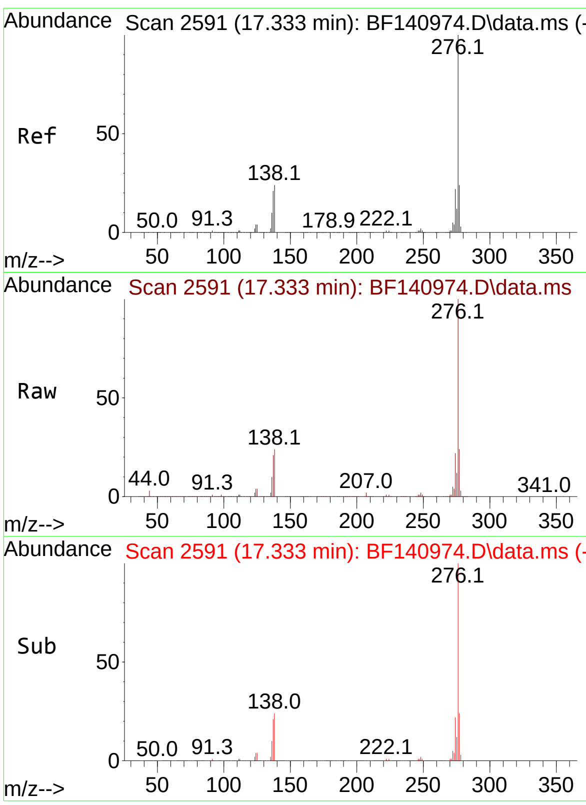
Tgt Ion:278 Resp: 113796

Ion	Ratio	Lower	Upper
278	100		
139	18.6	14.9	22.3
279	23.8	19.0	28.6

Manual Integrations APPROVED

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

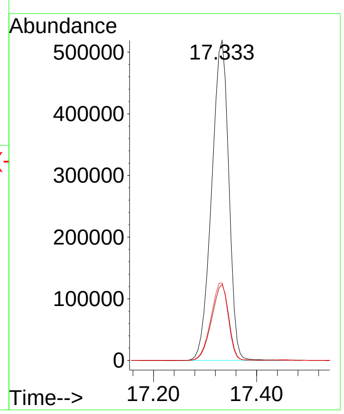




#92
Benzo(g,h,i)perylene
Concen: 42.524 ng
RT: 17.333 min Scan# 2591
Delta R.T. 0.000 min
Lab File: BF140974.D
Acq: 26 Dec 2024 18:06

Tgt Ion:276 Resp: 1197853

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.0	28.4
138	24.3	19.4	29.2



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140975.D
Acq On : 26 Dec 2024 18:33
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

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

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	275845	20.000	ng	0.00
21) Naphthalene-d8	8.110	136	1074985	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	568540	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	984477	20.000	ng	0.00
76) Chrysene-d12	13.986	240	594739	20.000	ng	0.00
86) Perylene-d12	15.445	264	515270	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1735294	94.827	ng	0.00
7) Phenol-d6	6.451	99	2240716	95.051	ng	0.00
23) Nitrobenzene-d5	7.398	82	1814319	107.979	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	561625	101.660	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	3208983	89.926	ng	0.00
79) Terphenyl-d14	12.939	244	3551774	99.194	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.563	88	404513	48.826	ng	100
3) Pyridine	3.304	79	961017	47.465	ng	100
4) n-Nitrosodimethylamine	3.257	42	511762	49.886	ng	98
6) Aniline	6.528	93	1020551m	48.540	ng	
8) 2-Chlorophenol	6.616	128	922056	47.791	ng	98
9) Benzaldehyde	6.381	77	546478	49.354	ng	98
10) Phenol	6.469	94	1160486	47.608	ng	98
11) bis(2-Chloroethyl)ether	6.569	93	976603	49.665	ng	97
12) 1,3-Dichlorobenzene	6.769	146	1008461	47.362	ng	99
13) 1,4-Dichlorobenzene	6.845	146	1018871	47.467	ng	99
14) 1,2-Dichlorobenzene	7.004	146	942310	47.085	ng	99
15) Benzyl Alcohol	6.969	79	826544	48.792	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.110	45	1412151	47.443	ng	100
17) 2-Methylphenol	7.075	107	775619	48.390	ng	99
18) Hexachloroethane	7.345	117	371106	48.670	ng	99
19) n-Nitroso-di-n-propyla...	7.251	70	681599	47.195	ng	98
20) 3+4-Methylphenols	7.233	107	956631	47.163	ng	91
22) Acetophenone	7.239	105	1233868	46.789	ng	# 95
24) Nitrobenzene	7.416	77	997447	53.126	ng	98
25) Isophorone	7.651	82	1758021	48.082	ng	99
26) 2-Nitrophenol	7.728	139	381135	49.366	ng	99
27) 2,4-Dimethylphenol	7.763	122	648052	48.497	ng	99
28) bis(2-Chloroethoxy)met...	7.863	93	1107863	47.823	ng	100
29) 2,4-Dichlorophenol	7.963	162	755436	49.847	ng	99
30) 1,2,4-Trichlorobenzene	8.051	180	815821	47.560	ng	99
31) Naphthalene	8.133	128	2656943	46.905	ng	100
32) Benzoic acid	7.880	122	533388	48.423	ng	98
33) 4-Chloroaniline	8.186	127	988410	48.233	ng	100
34) Hexachlorobutadiene	8.251	225	485520	48.012	ng	99
35) Caprolactam	8.551	113	251835m	48.876	ng	
36) 4-Chloro-3-methylphenol	8.651	107	817788	48.589	ng	99
37) 2-Methylnaphthalene	8.822	142	1691438	46.676	ng	100
38) 1-Methylnaphthalene	8.922	142	1659875	46.607	ng	100
40) 1,2,4,5-Tetrachloroben...	8.986	216	748540	47.857	ng	100
41) Hexachlorocyclopentadiene	8.975	237	268748	51.849	ng	99
43) 2,4,6-Trichlorophenol	9.092	196	505859	48.593	ng	100

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140975.D
Acq On : 26 Dec 2024 18:33
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

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

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

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.133	196	548701	51.514 ng		98
46) 1,1'-Biphenyl	9.286	154	2019837	46.398 ng		99
47) 2-Chloronaphthalene	9.310	162	1584423	46.928 ng		99
48) 2-Nitroaniline	9.404	65	434235	49.051 ng		95
49) Acenaphthylene	9.727	152	2300924	47.341 ng		99
50) Dimethylphthalate	9.592	163	1771217	47.363 ng		100
51) 2,6-Dinitrotoluene	9.645	165	382604	50.003 ng		96
52) Acenaphthene	9.898	154	1557911	47.414 ng		100
53) 3-Nitroaniline	9.816	138	410444	49.386 ng		96
54) 2,4-Dinitrophenol	9.916	184	121967	49.996 ng	#	6
55) Dibenzofuran	10.069	168	2165075	46.887 ng		99
56) 4-Nitrophenol	9.963	139	337300	52.728 ng		97
57) 2,4-Dinitrotoluene	10.051	165	463773	49.535 ng		100
58) Fluorene	10.410	166	1628964	45.492 ng		100
59) 2,3,4,6-Tetrachlorophenol	10.180	232	436271	49.455 ng		100
60) Diethylphthalate	10.286	149	1748454	47.359 ng		100
61) 4-Chlorophenyl-phenyle...	10.404	204	796072	46.203 ng		99
62) 4-Nitroaniline	10.427	138	412091	49.614 ng		99
63) Azobenzene	10.569	77	1840946	47.507 ng		99
65) 4,6-Dinitro-2-methylph...	10.457	198	193168	48.976 ng		97
66) n-Nitrosodiphenylamine	10.522	169	1463039	47.193 ng		99
67) 4-Bromophenyl-phenylether	10.898	248	521276	48.981 ng		97
68) Hexachlorobenzene	10.957	284	567592	48.368 ng		98
69) Atrazine	11.051	200	362786	41.889 ng		98
70) Pentachlorophenol	11.145	266	383398	52.476 ng		99
71) Phenanthrene	11.374	178	2417558	46.658 ng		99
72) Anthracene	11.427	178	2370103	46.682 ng		100
73) Carbazole	11.574	167	2272076	46.552 ng		100
74) Di-n-butylphthalate	11.916	149	2595020	46.746 ng		100
75) Fluoranthene	12.557	202	2583438	45.972 ng		99
77) Benzidine	12.680	184	651097	51.801 ng		100
78) Pyrene	12.786	202	2651339	50.973 ng		100
80) Butylbenzylphthalate	13.415	149	1016502	53.519 ng		99
81) Benzo(a)anthracene	13.974	228	1991732	48.052 ng		100
82) 3,3'-Dichlorobenzidine	13.939	252	568561	45.655 ng		100
83) Chrysene	14.015	228	1774901	47.501 ng		99
84) Bis(2-ethylhexyl)phtha...	13.974	149	1230112	49.929 ng		100
85) Di-n-octyl phthalate	14.598	149	1740215	48.803 ng		99
87) Indeno(1,2,3-cd)pyrene	16.898	276	1799974	55.447 ng		100
88) Benzo(b)fluoranthene	15.021	252	1682869	46.828 ng		100
89) Benzo(k)fluoranthene	15.051	252	1382080	49.069 ng		100
90) Benzo(a)pyrene	15.386	252	1349208	48.370 ng		99
91) Dibenzo(a,h)anthracene	16.921	278	1451477	55.158 ng		99
92) Benzo(g,h,i)perylene	17.339	276	1537634	56.337 ng		99

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

Quantitation Report (QT Reviewed)

ICAL Form

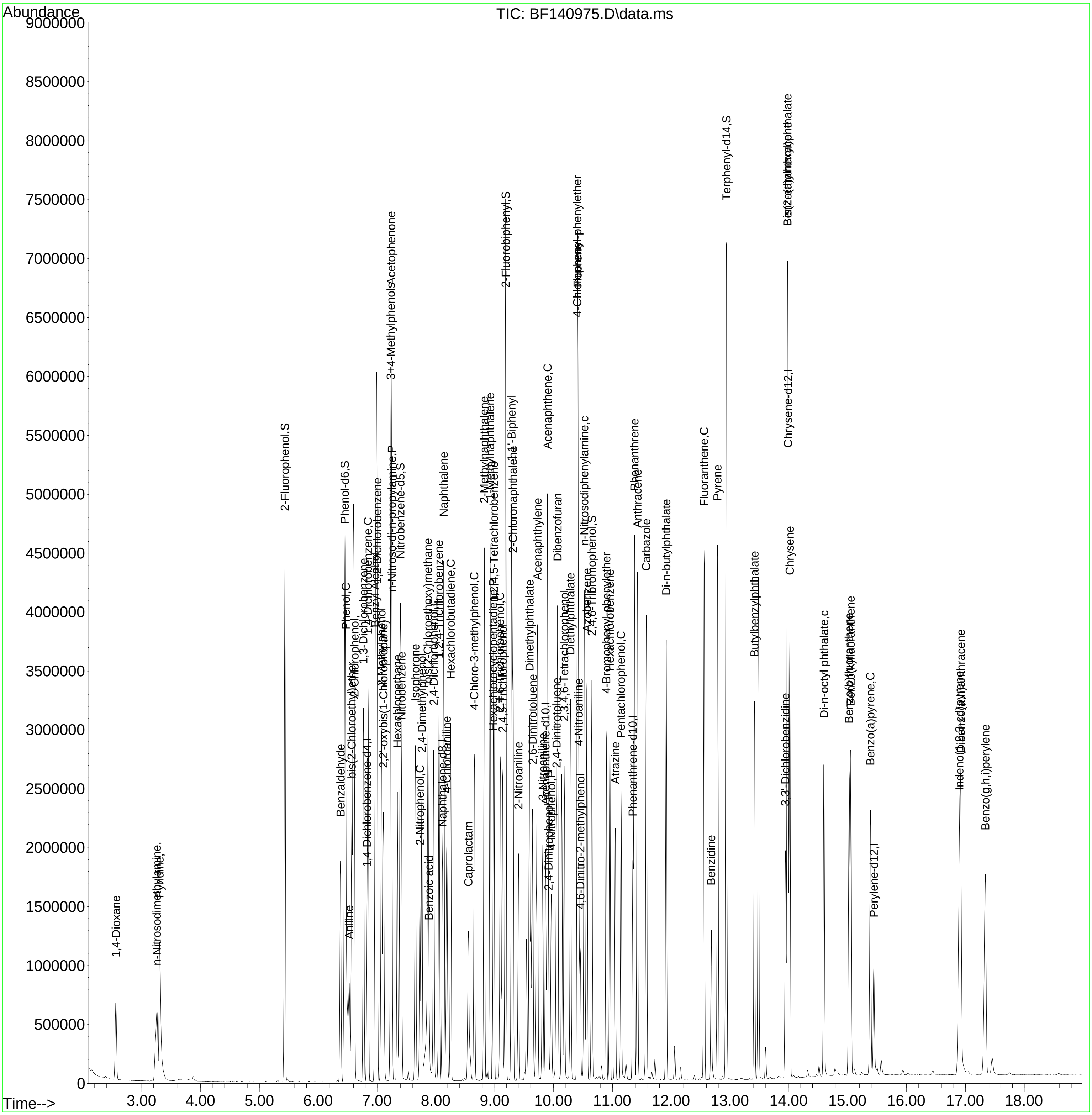
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140975.D
Acq On : 26 Dec 2024 18:33
Operator : RC/JU
Sample : SSTDICC050
Misc :
ALS Vial : 7 Sample Multiplier: 1

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

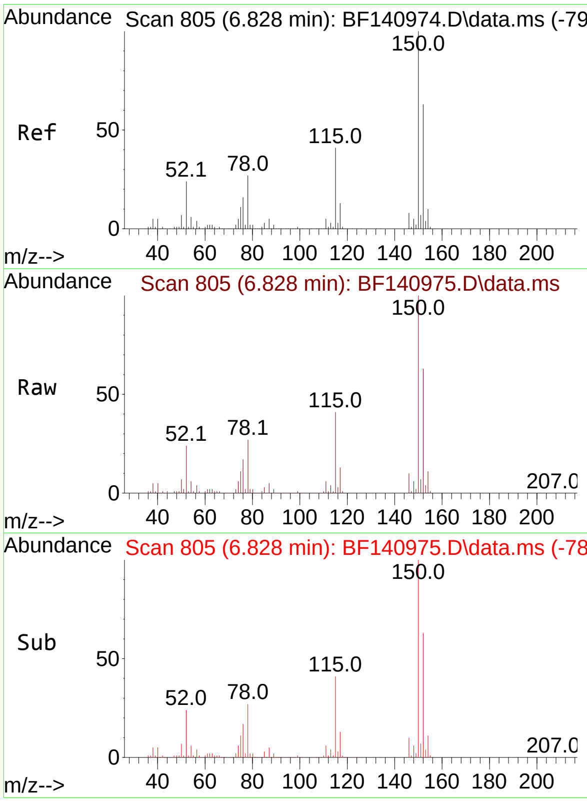
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

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



ICAL Form



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:152 Resp: 27584

Ion	Ratio	Lower	Upper
152	100		
150	157.9	127.0	190.6
115	64.8	51.7	77.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

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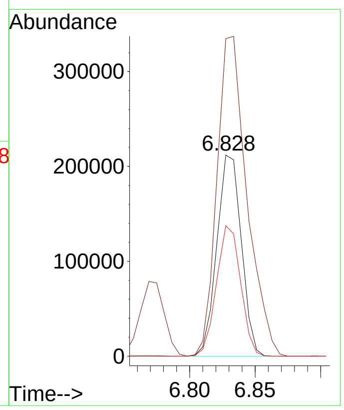
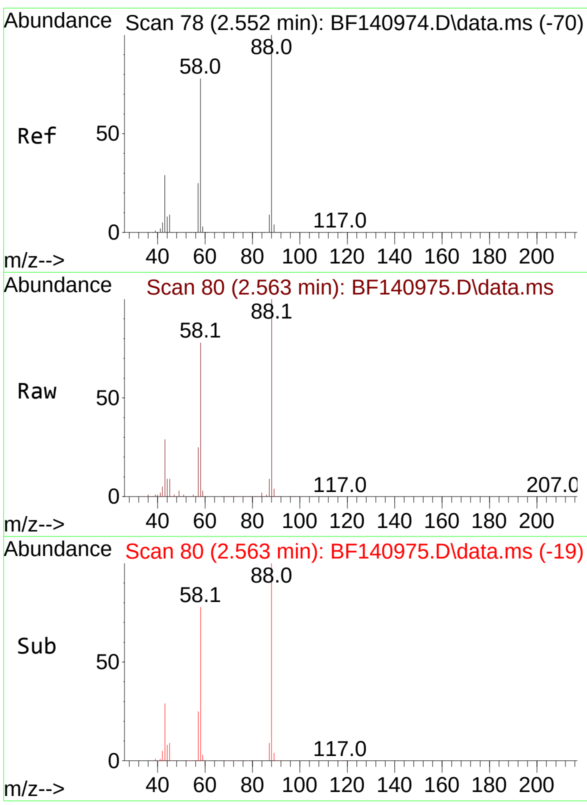
Supervised By :mohammad ahmed 12/27/2024

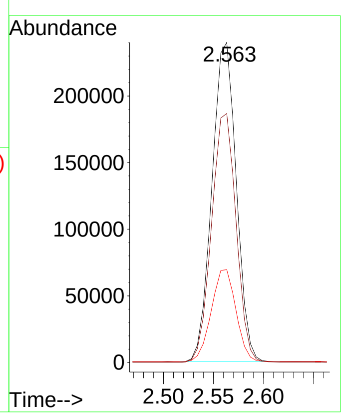




#2
1,4-Dioxane
Concen: 48.826 ng
RT: 2.563 min Scan# 80
Delta R.T. 0.012 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion: 88 Resp: 404513

Ion	Ratio	Lower	Upper
88	100		
58	78.9	63.0	94.4
43	29.4	23.4	35.2



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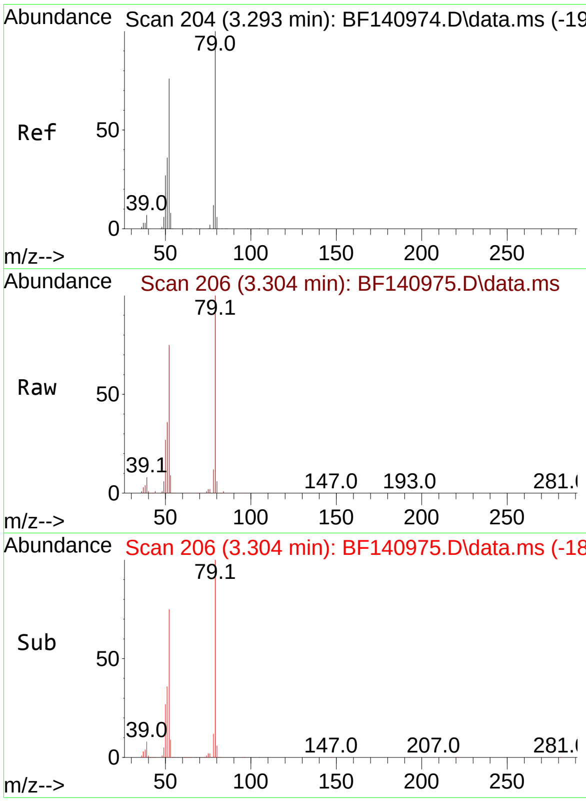


#3
Pyridine
Concen: 47.465 ng
RT: 3.304 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

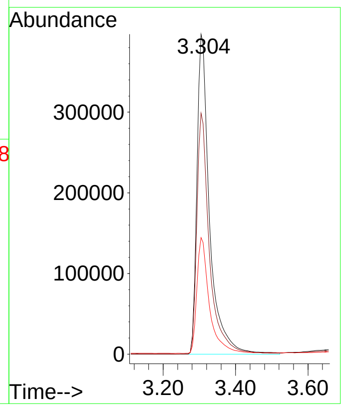
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

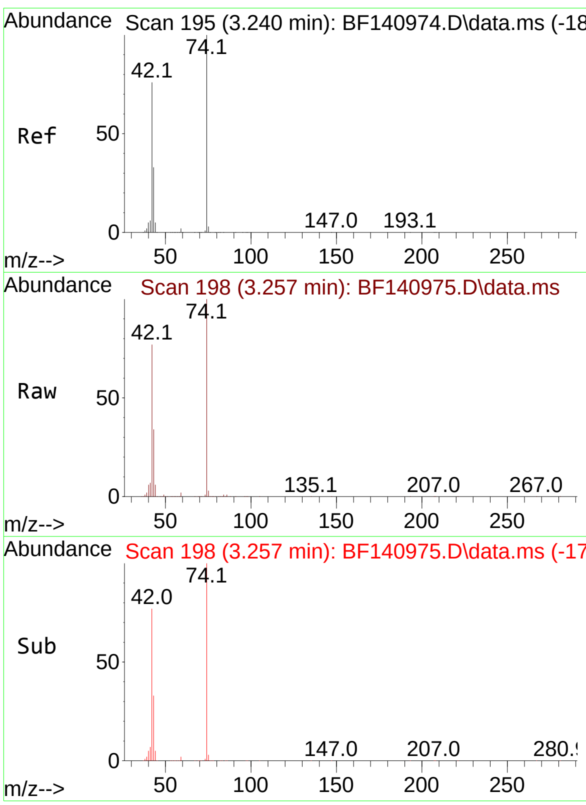
Tgt Ion: 79 Resp: 96101

Ion	Ratio	Lower	Upper
79	100		
52	75.4	60.4	90.6
51	36.4	28.8	43.2

Manual Integrations APPROVED

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

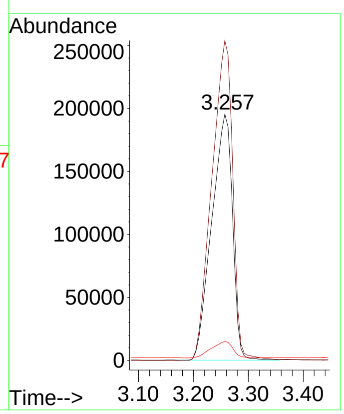




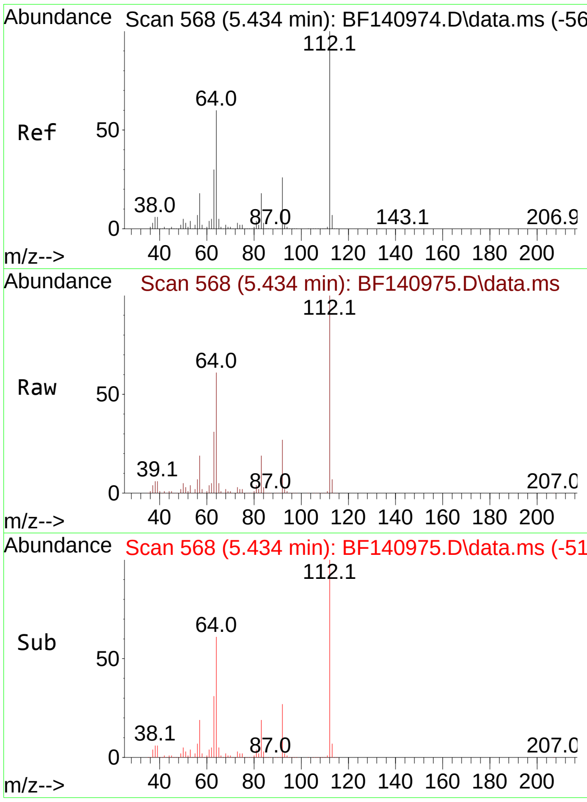
#4
n-Nitrosodimethylamine
Concen: 49.886 ng
RT: 3.257 min Scan# 198
Delta R.T. 0.017 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion: 42 Resp: 511762

Ion	Ratio	Lower	Upper
42	100		
74	129.9	105.8	158.6
44	7.7	6.6	10.0



ICAL Form



#5
2-Fluorophenol
Concen: 94.827 ng
RT: 5.434 min Scan# 5
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:112 Resp: 173529

Ion	Ratio	Lower	Upper
112	100		
64	61.2	47.7	71.5
63	31.1	24.2	36.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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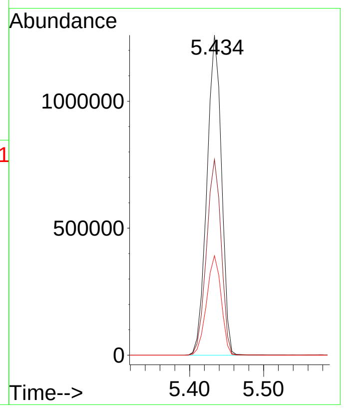
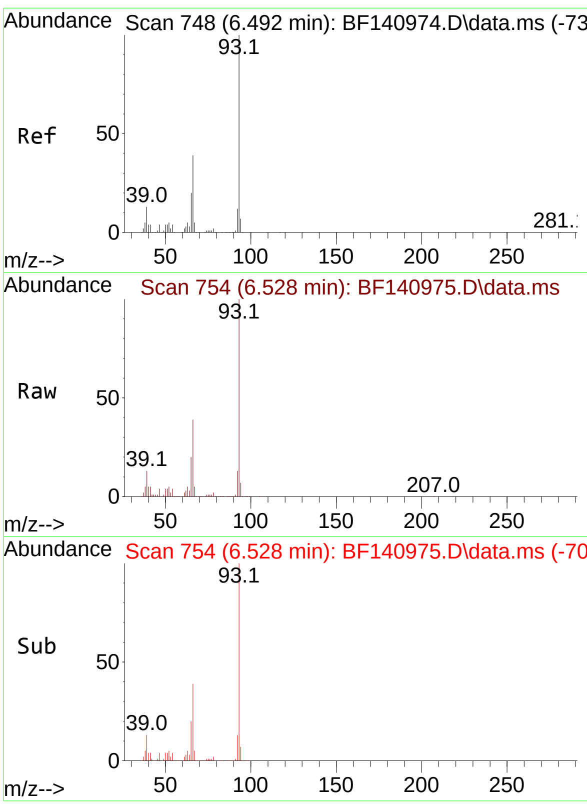
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

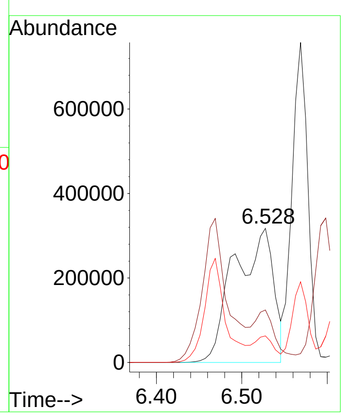




#6
Aniline
Concen: 48.540 ng m
RT: 6.528 min Scan# 754
Delta R.T. 0.017 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion: 93 Resp: 1020551

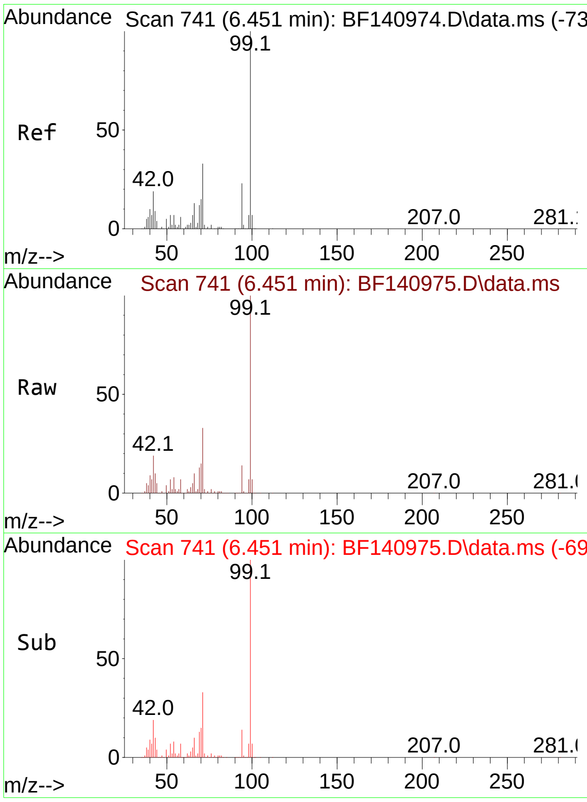
Ion	Ratio	Lower	Upper
93	100		
66	39.2	31.8	47.8
65	19.8	15.4	23.0



ICAL Form

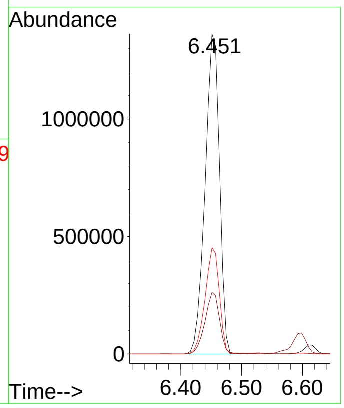
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

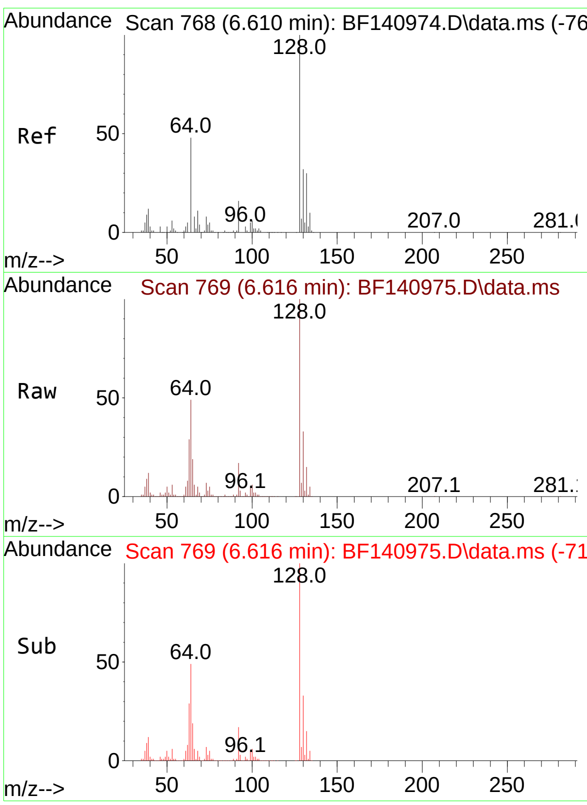
Manual Integrations
APPROVED
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024




```
#7
Phenol-d6
Concen:   95.051 ng
RT:   6.451 min   Scan# 74
Delta R.T.   -0.000 min
Lab File:   BF140975.D
Acq: 26 Dec 2024   18:33

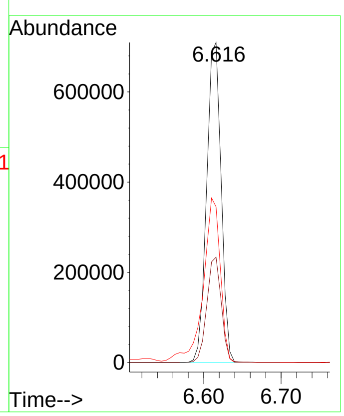
Tgt Ion: 99 Resp: 224071
Ion  Ratio   Lower   Upper
 99  100
 42   19.3    15.0    22.4
 71   33.2    26.2    39.2
```






```
#8
2-Chlorophenol
Concen:   47.791 ng
RT:   6.616 min   Scan# 769
Delta R.T.   0.006 min
Lab File:   BF140975.D
Acq: 26 Dec 2024   18:33

Tgt Ion:128 Resp:   922056
Ion  Ratio   Lower   Upper
128  100
130   32.9    12.2    52.2
 64   48.6    30.3    70.3
```



ICAL Form

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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Reviewed By :Yogesh Patel 12/27/2024
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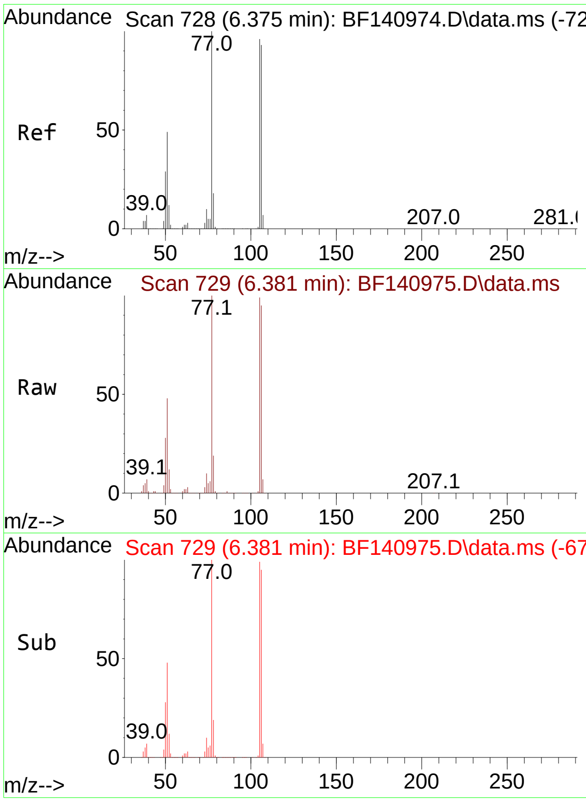
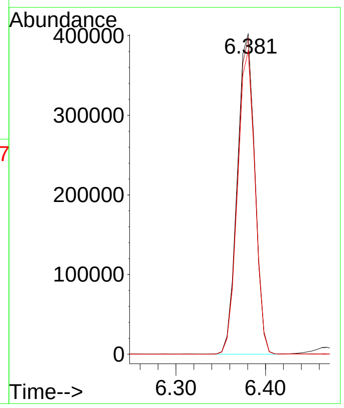
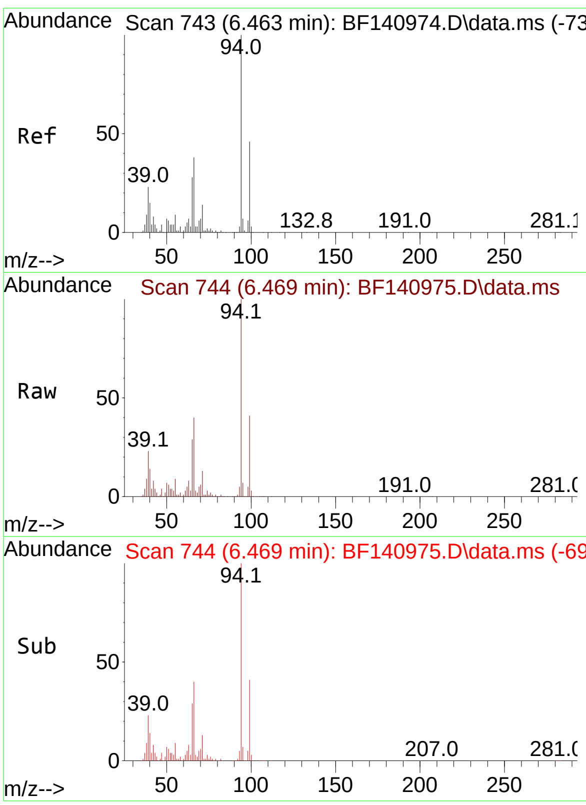


#9
Benzaldehyde
Concen: 49.354 ng
RT: 6.381 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion: 77 Resp: 54647

Ion	Ratio	Lower	Upper
77	100		
105	98.8	76.2	116.2
106	94.8	73.4	113.4

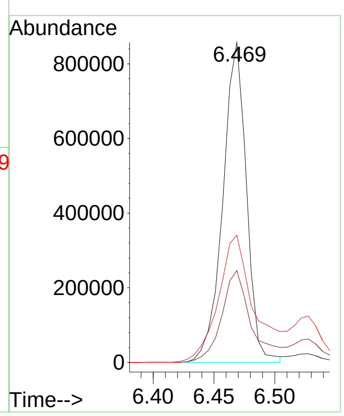




#10
Phenol
Concen: 47.608 ng
RT: 6.469 min Scan# 744
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion: 94 Resp: 1160486

Ion	Ratio	Lower	Upper
94	100		
65	28.7	8.1	48.1
66	39.8	18.7	58.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations
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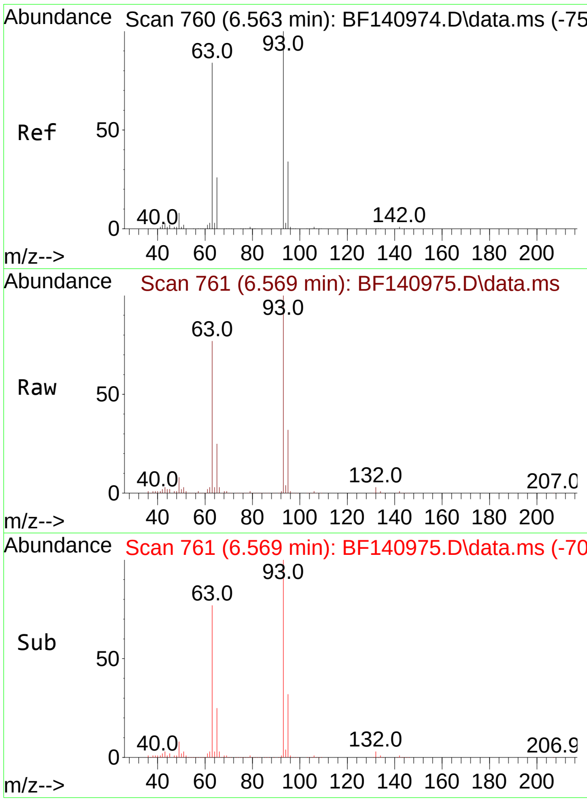
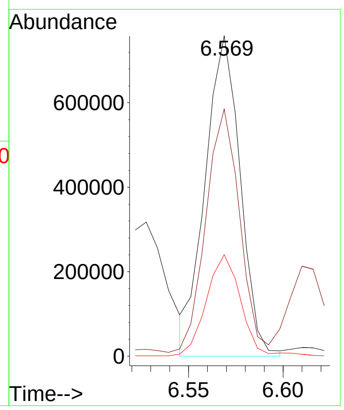
Supervised By :mohammad ahmed 12/27/2024

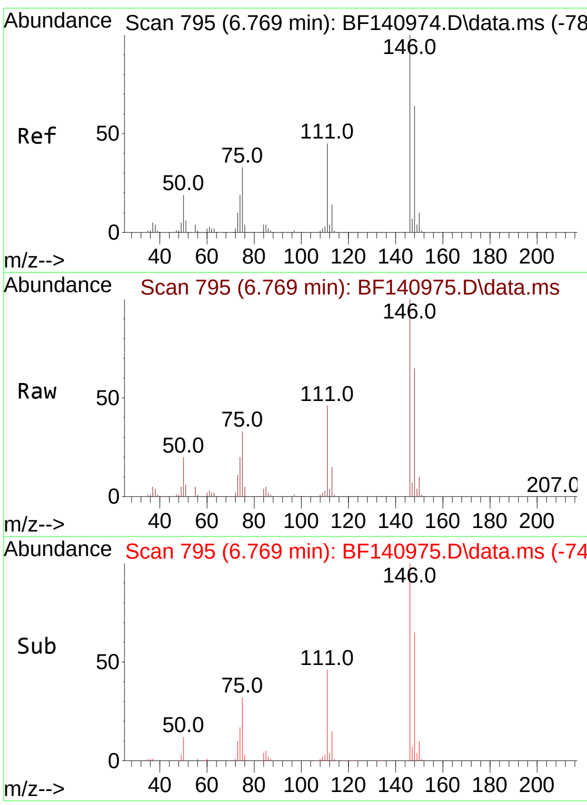


#11
bis(2-Chloroethyl)ether
Concen: 49.665 ng
RT: 6.569 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion: 93 Resp: 97660

Ion	Ratio	Lower	Upper
93	100		
63	77.2	60.3	100.3
95	31.7	12.2	52.2

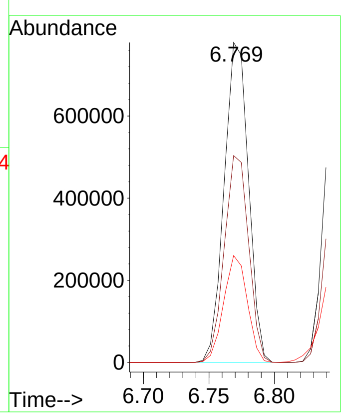




#12
1,3-Dichlorobenzene
Concen: 47.362 ng
RT: 6.769 min Scan# 795
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:146 Resp: 1008461

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.0	76.4
75	33.4	26.1	39.1

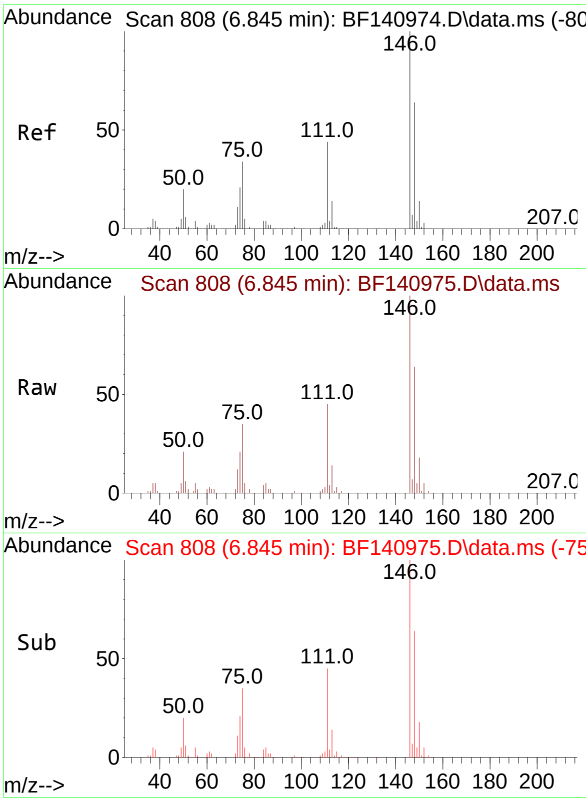


ICAL Form

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

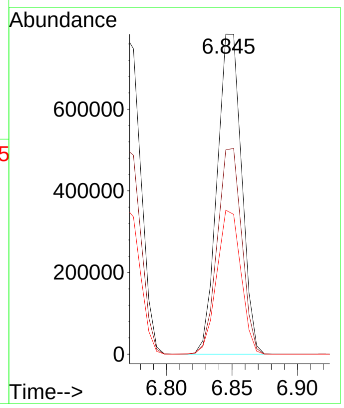
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

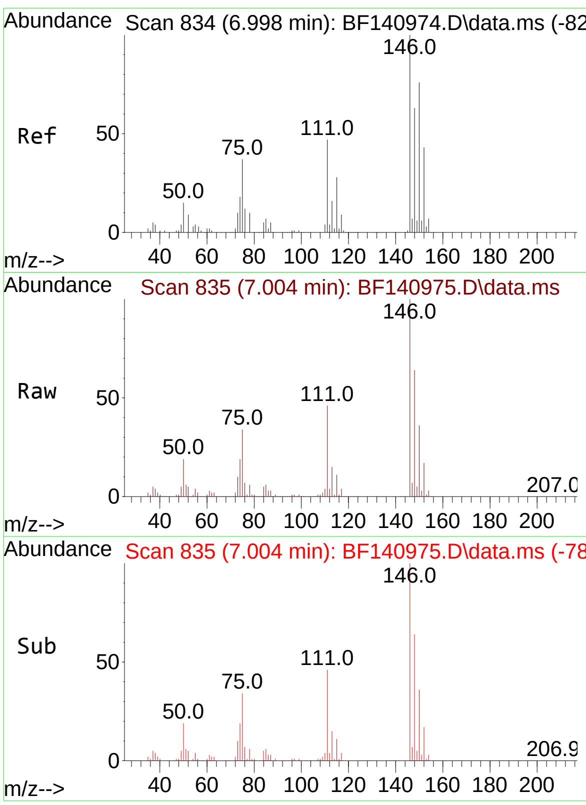


#13
1,4-Dichlorobenzene
Concen: 47.467 ng
RT: 6.845 min Scan# 8(
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:146 Resp: 101887

Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.3	76.9
111	45.0	35.3	52.9

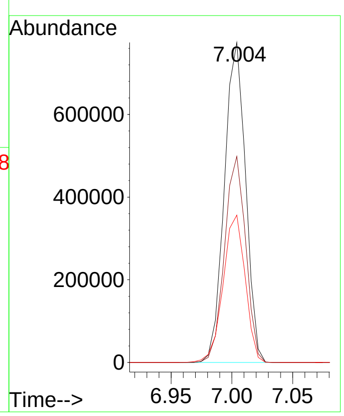




#14
1,2-Dichlorobenzene
Concen: 47.085 ng
RT: 7.004 min Scan# 835
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:146 Resp: 942310

Ion	Ratio	Lower	Upper
146	100		
148	64.4	50.6	76.0
111	46.1	37.3	55.9



Instrument : BNA_F
ClientSampleId : SSTDICC050

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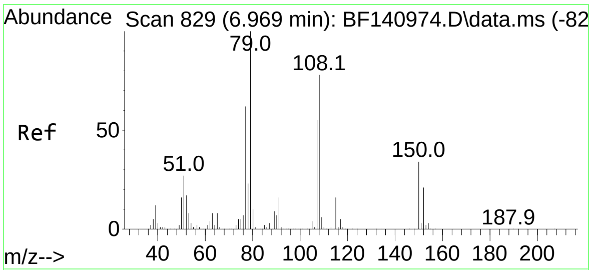
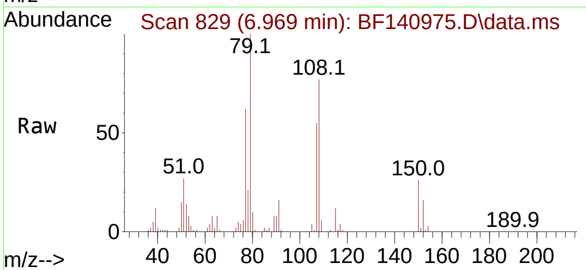
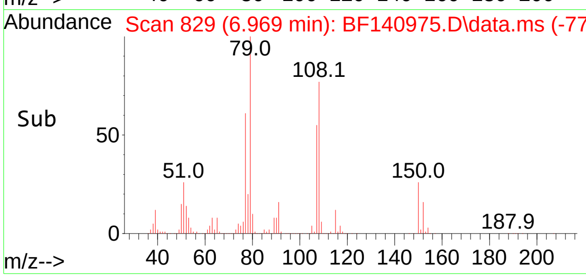


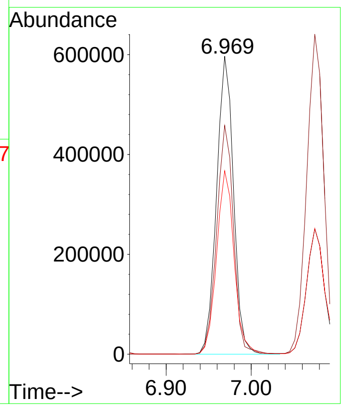


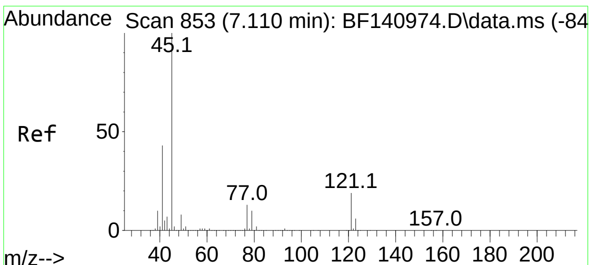


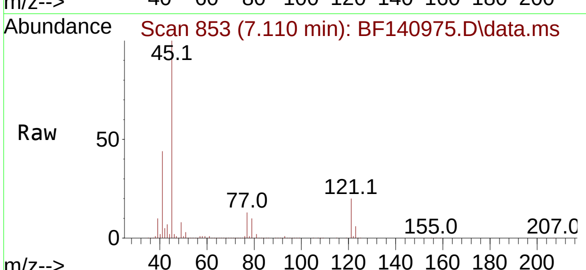
#15
Benzyl Alcohol
Concen: 48.792 ng
RT: 6.969 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

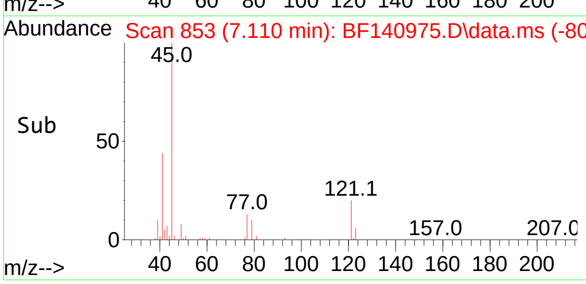
Tgt Ion: 79 Resp: 82654

Ion	Ratio	Lower	Upper
79	100		
108	76.8	62.5	93.7
77	61.5	49.3	73.9





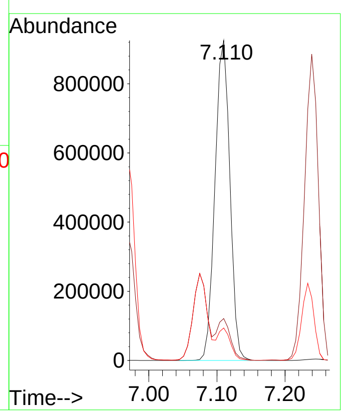


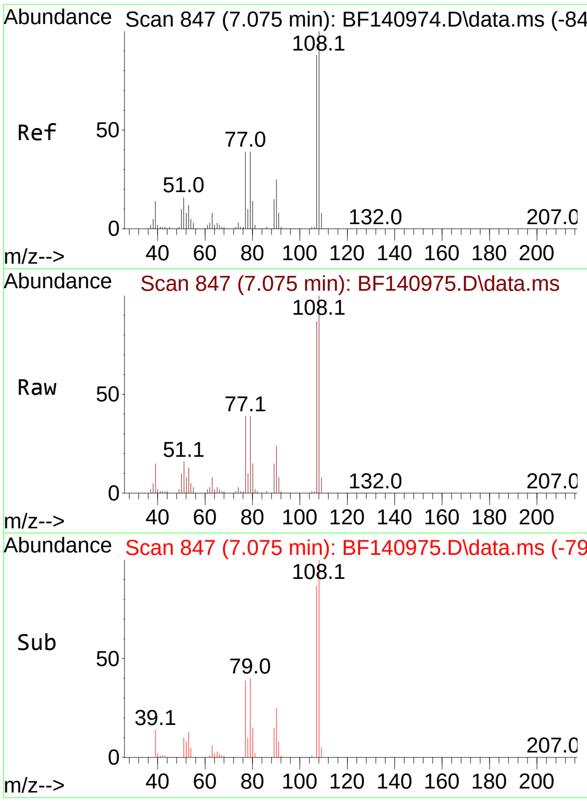


#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.443 ng
RT: 7.110 min Scan# 853
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion: 45 Resp: 1412151

Ion	Ratio	Lower	Upper
45	100		
77	13.1	0.0	33.1
79	10.2	0.0	30.1

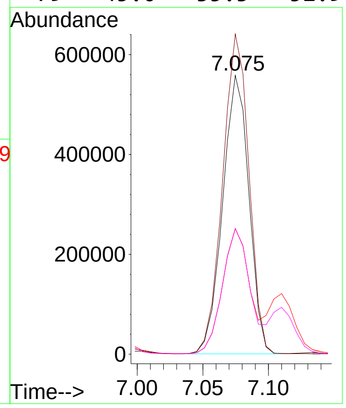




#17
2-Methylphenol
Concen: 48.390 ng
RT: 7.075 min   Scan# 84
Delta R.T.   -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024   18:33

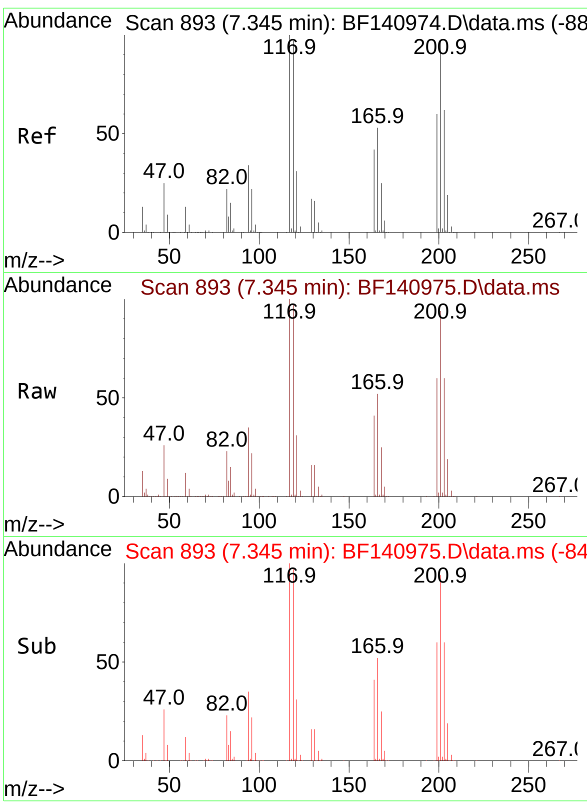
Tgt Ion:107 Resp: 77561

Ion	Ratio	Lower	Upper
107	100		
108	114.8	90.6	136.0
77	45.1	35.3	52.9
79	45.0	35.3	52.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

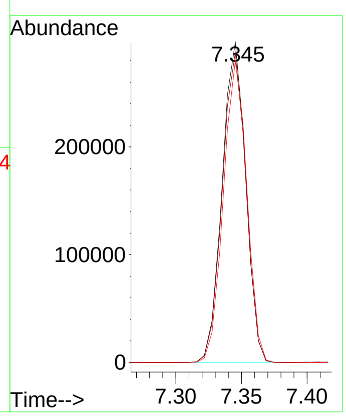
Manual Integrations APPROVED
Reviewed By :Yogesh Patel   12/27/2024
Supervised By :mohammad ahmed   12/27/2024



#18
Hexachloroethane
Concen: 48.670 ng
RT: 7.345 min   Scan# 893
Delta R.T.   -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024   18:33

Tgt Ion:117 Resp: 371106

Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.5	116.3
201	94.2	77.4	116.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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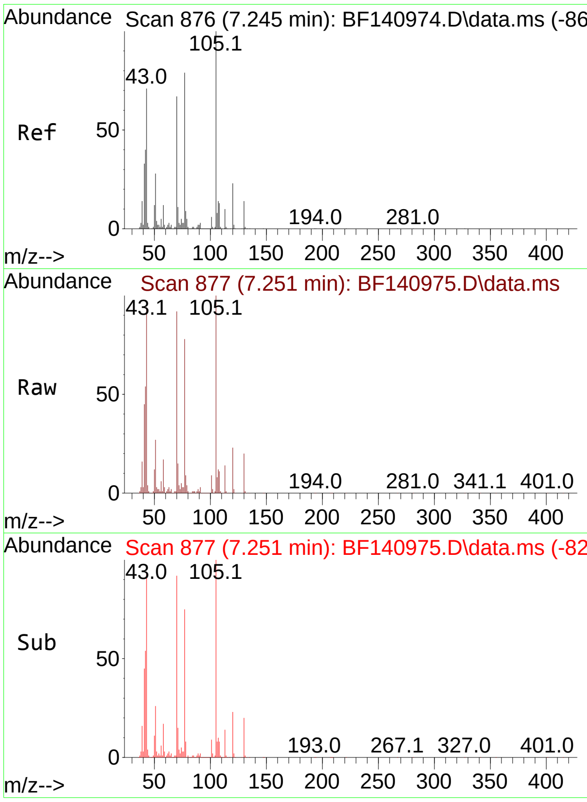
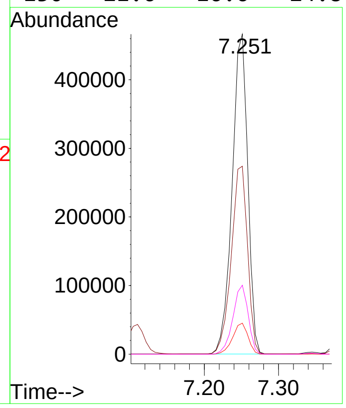
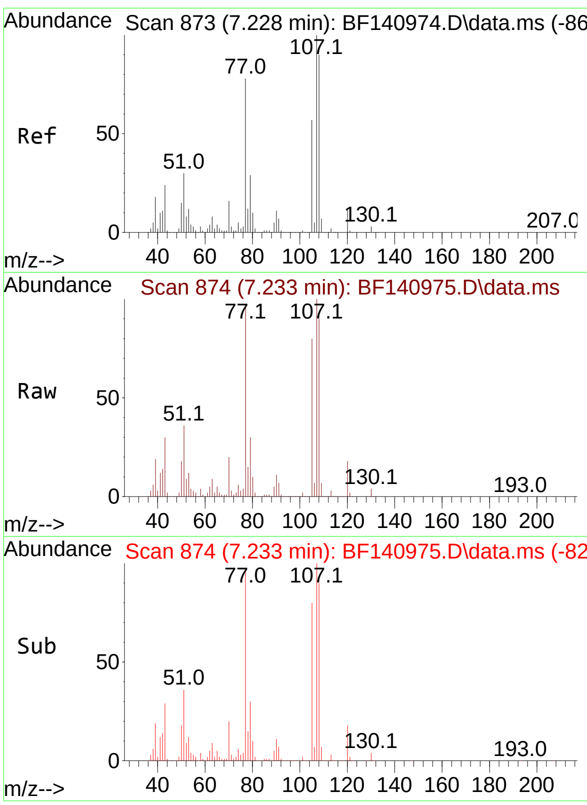


#19
n-Nitroso-di-n-propylamine
Concen: 47.195 ng
RT: 7.251 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion: 70 Resp: 68159

Ion	Ratio	Lower	Upper
70	100		
42	58.8	48.1	72.1
101	9.7	7.6	11.4
130	21.6	16.6	24.8

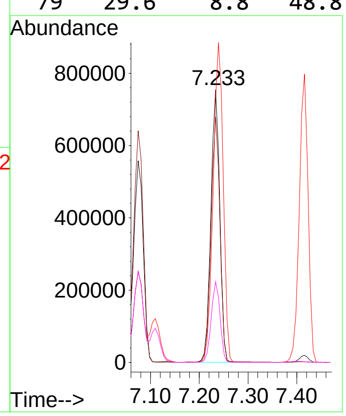




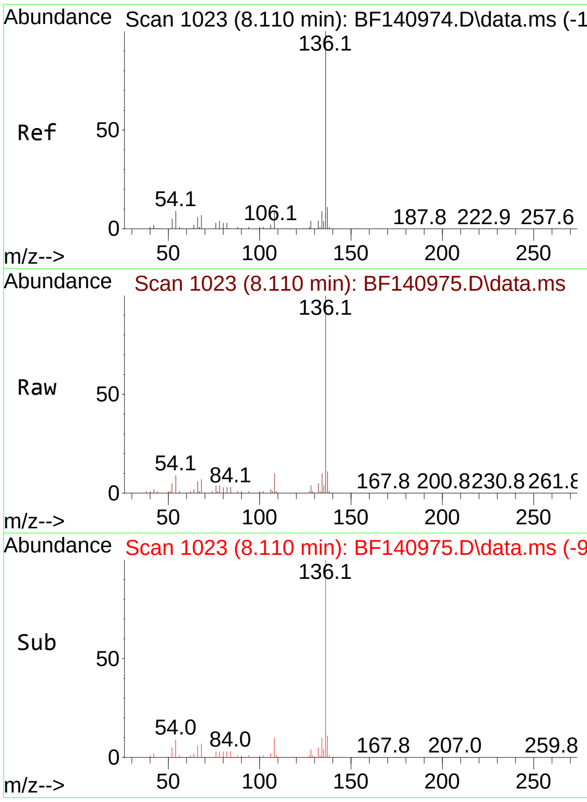
#20
3+4-Methylphenols
Concen: 47.163 ng
RT: 7.233 min Scan# 874
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:107 Resp: 956631

Ion	Ratio	Lower	Upper
107	100		
108	90.1	69.6	109.6
77	96.2	57.6	97.6
79	29.6	8.8	48.8



ICAL Form



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:136 Resp: 107498

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	9.4	7.6	11.4
68	7.1	5.6	8.4

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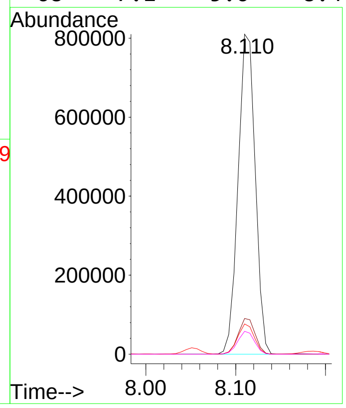
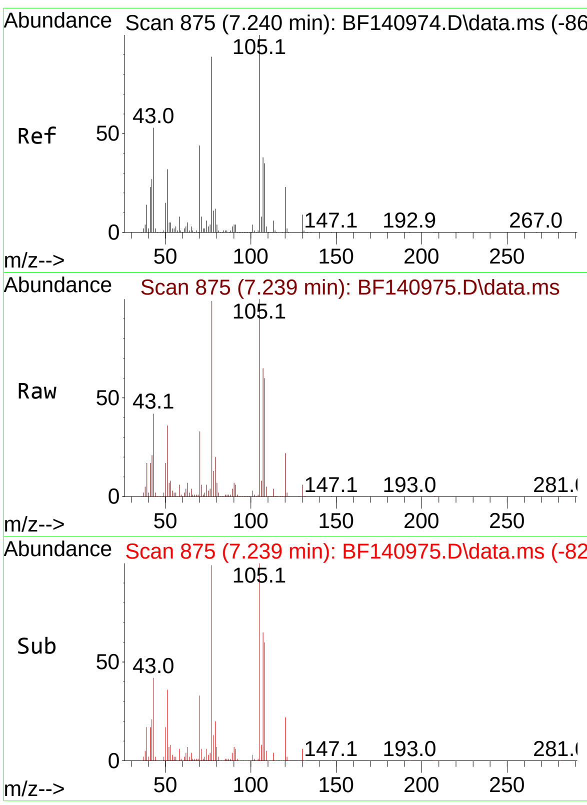
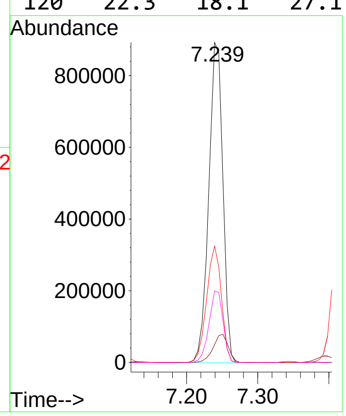


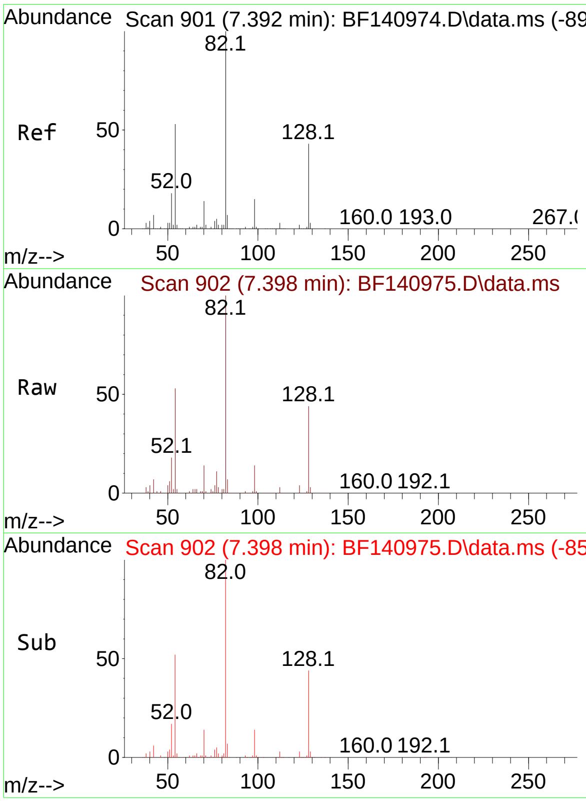


#22
Acetophenone
Concen: 46.789 ng
RT: 7.239 min Scan# 875
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:105 Resp: 1233868

Ion	Ratio	Lower	Upper
105	100		
71	5.6	6.1	9.1#
51	36.3	25.8	38.6
120	22.3	18.1	27.1





#23
Nitrobenzene-d5
Concen: 107.979 ng
RT: 7.398 min   Scan# 90
Delta R.T.   0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024   18:33

Tgt Ion: 82 Resp: 1814319

Ion	Ratio	Lower	Upper
82	100		
128	44.1	34.4	51.6
54	52.6	42.4	63.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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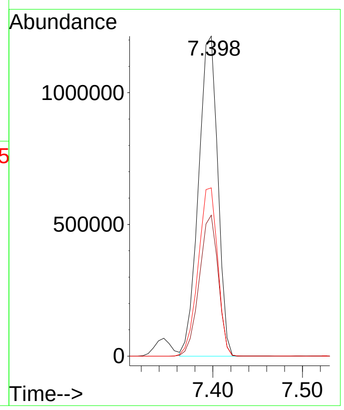
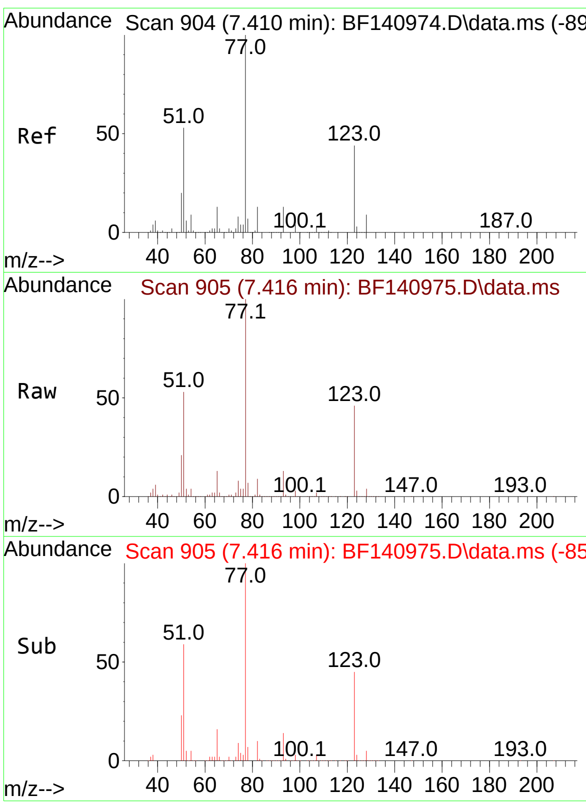
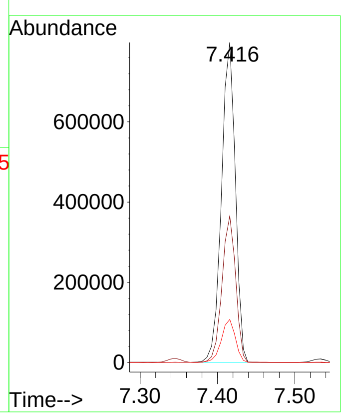




#24
Nitrobenzene
Concen: 53.126 ng
RT: 7.416 min   Scan# 905
Delta R.T.   0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024   18:33

Tgt Ion: 77 Resp: 997447

Ion	Ratio	Lower	Upper
77	100		
123	45.8	35.4	53.2
65	13.5	10.7	16.1



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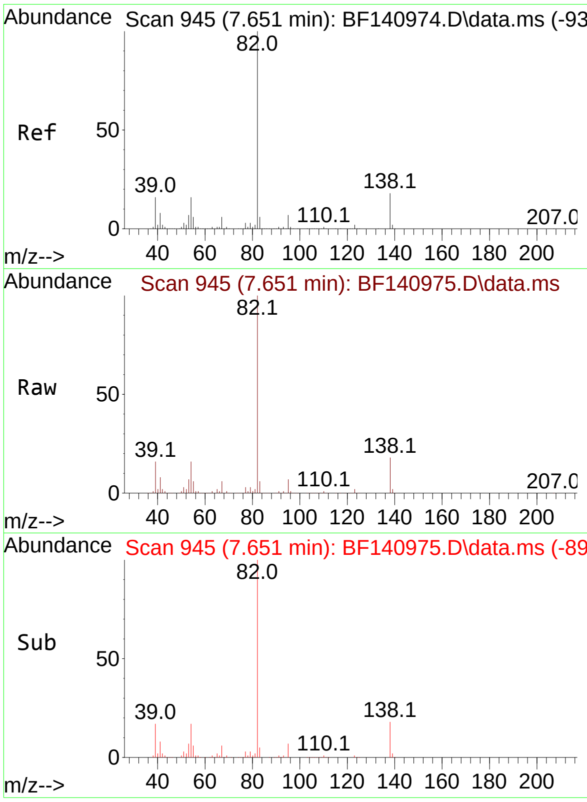

#25
Isophorone
Concen: 48.082 ng
RT: 7.651 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion: 82 Resp: 175802

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.6	8.4
138	17.7	14.6	21.8

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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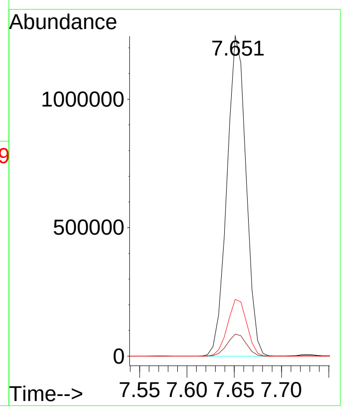
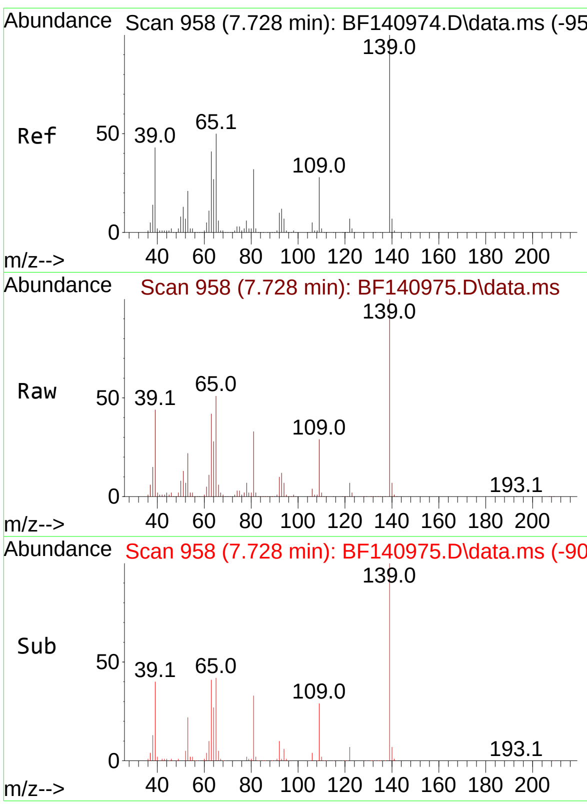
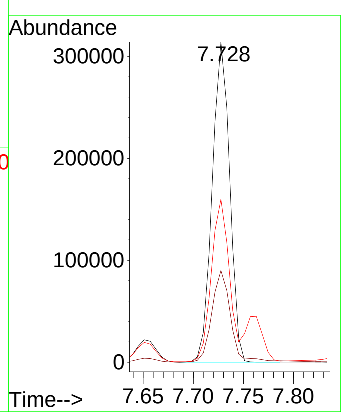




#26
2-Nitrophenol
Concen: 49.366 ng
RT: 7.728 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:139 Resp: 381135

Ion	Ratio	Lower	Upper
139	100		
109	28.7	22.2	33.4
65	50.9	40.2	60.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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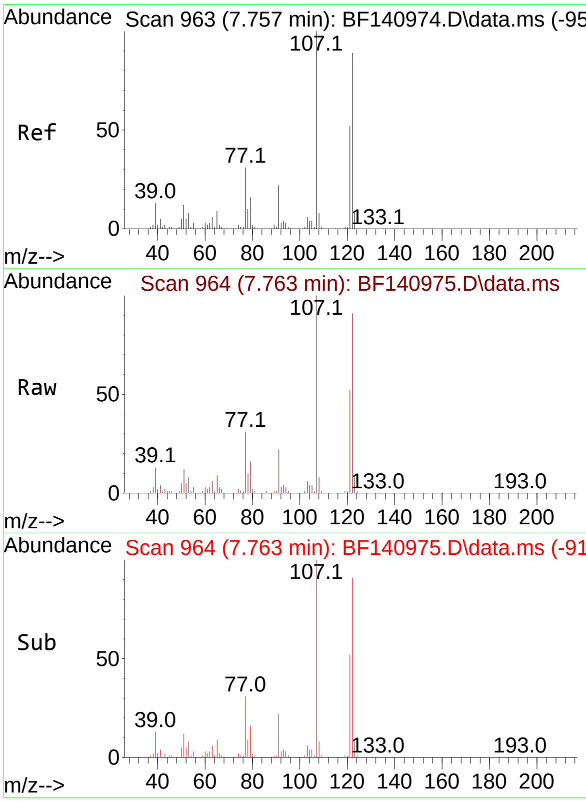
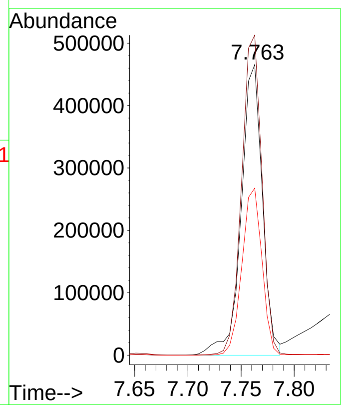
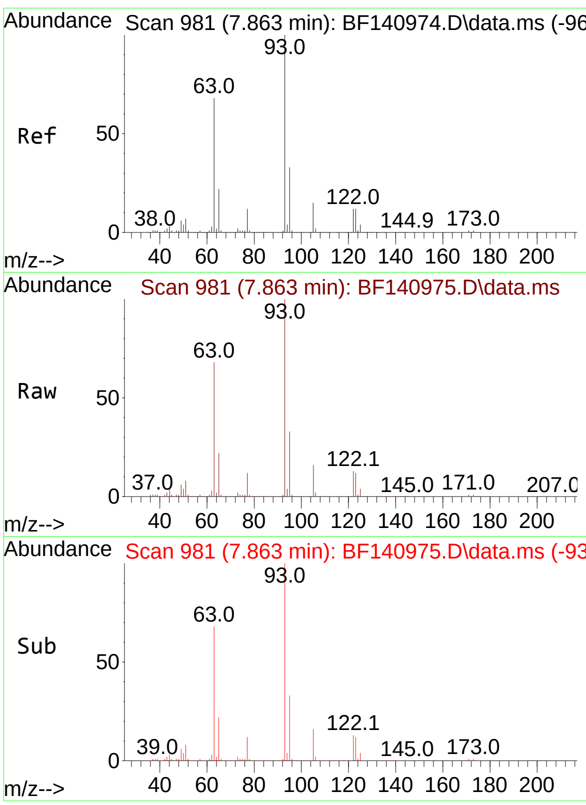


#27
2,4-Dimethylphenol
Concen: 48.497 ng
RT: 7.763 min Scan# 9(
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:122 Resp: 64805

Ion	Ratio	Lower	Upper
122	100		
107	110.1	89.4	134.2
121	57.5	46.7	70.1

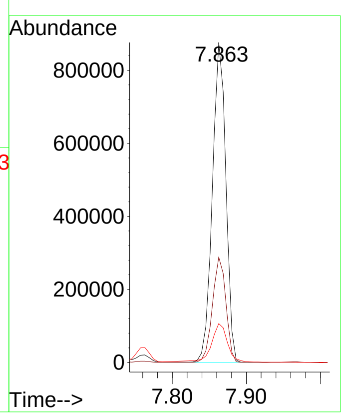




#28
bis(2-Chloroethoxy)methane
Concen: 47.823 ng
RT: 7.863 min Scan# 981
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion: 93 Resp: 1107863

Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.2	39.4
123	12.1	9.9	14.9



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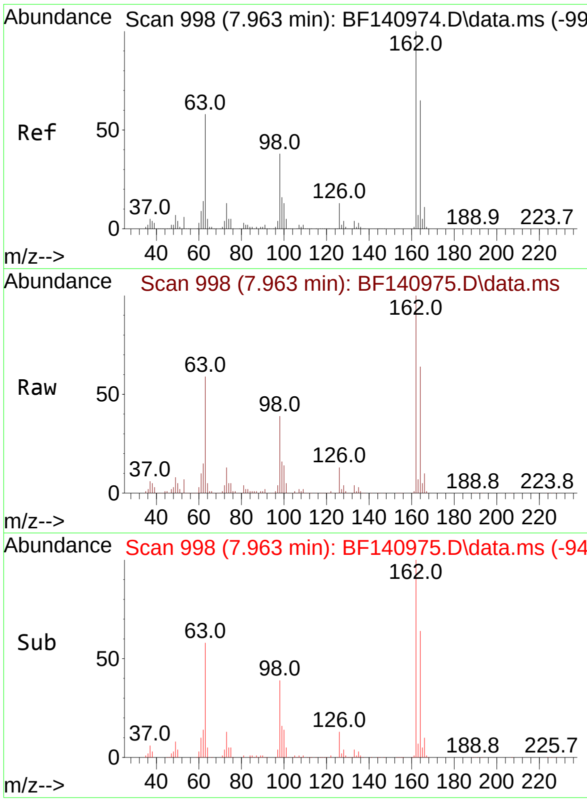

#29
2,4-Dichlorophenol
Concen: 49.847 ng
RT: 7.963 min Scan# 99
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:162 Resp: 75543

Ion	Ratio	Lower	Upper
162	100		
164	63.7	44.8	84.8
98	39.1	18.6	58.6

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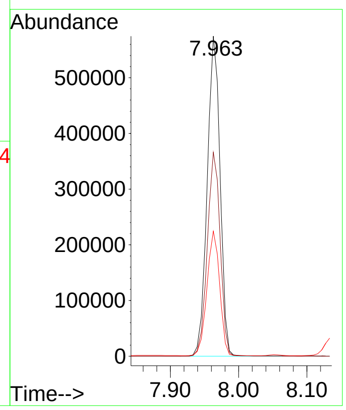
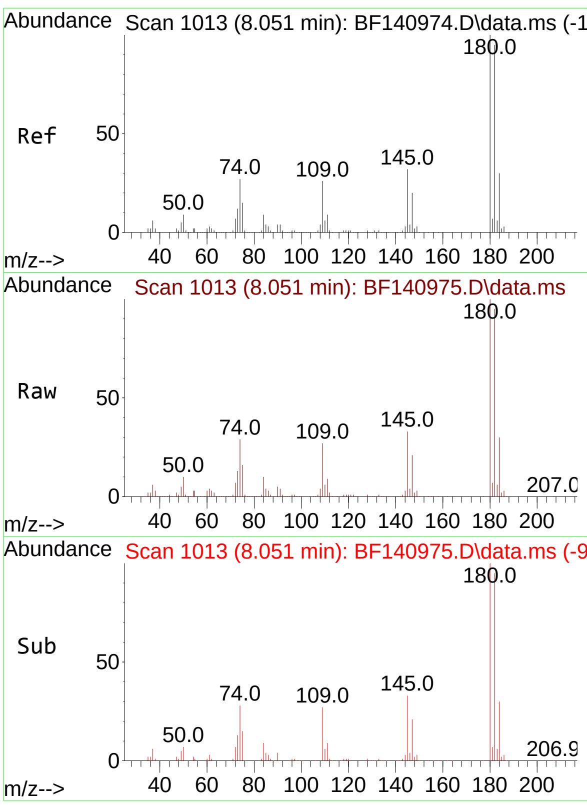
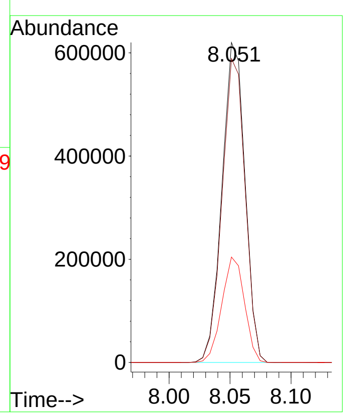


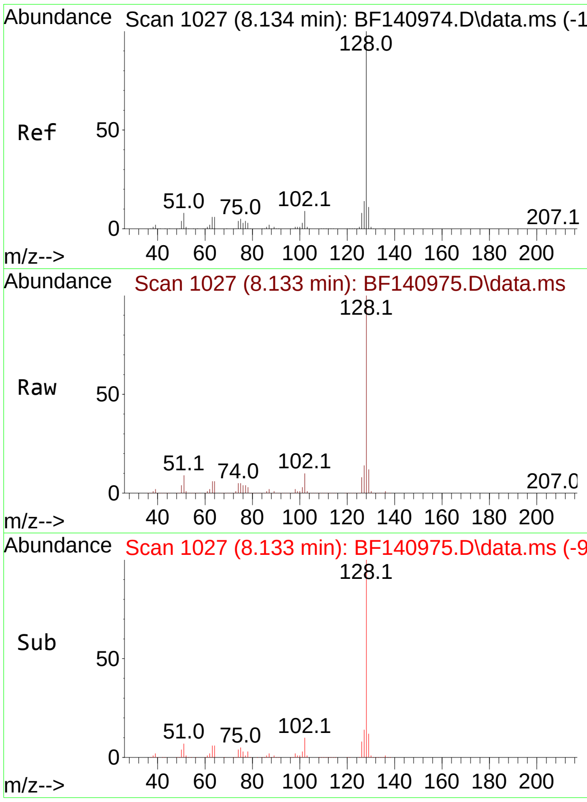


#30
1,2,4-Trichlorobenzene
Concen: 47.560 ng
RT: 8.051 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:180 Resp: 815821

Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.2	114.4
145	32.9	25.4	38.2





#31
Naphthalene
Concen: 46.905 ng
RT: 8.133 min Scan# 10
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:128 Resp: 265694

Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.2	13.8
127	13.5	11.0	16.4

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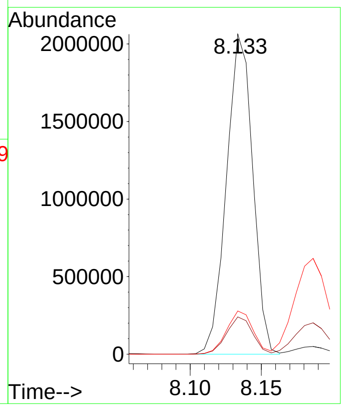
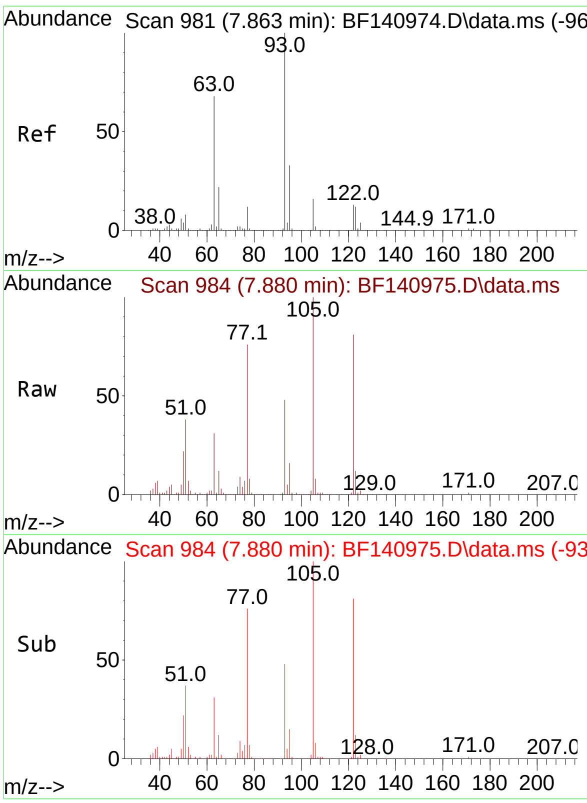
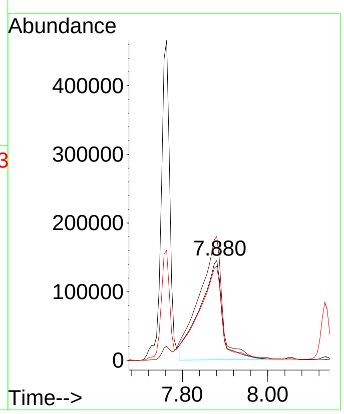


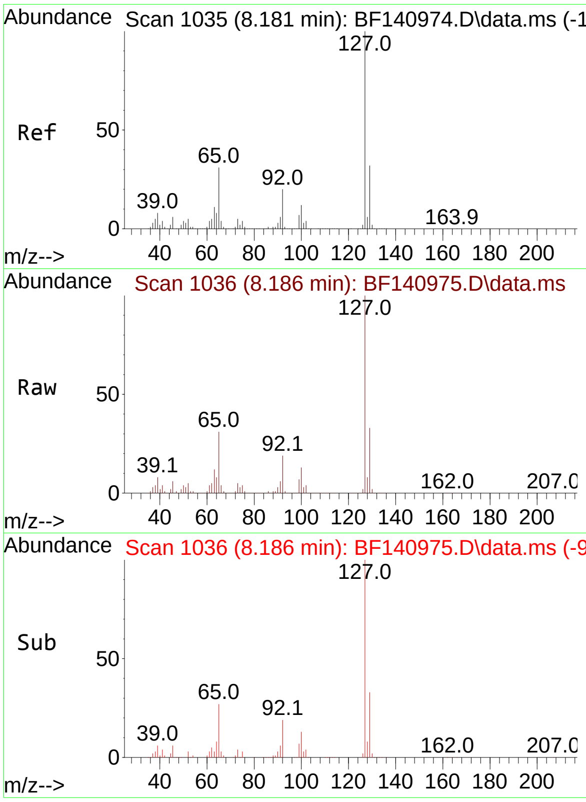


#32
Benzoic acid
Concen: 48.423 ng
RT: 7.880 min Scan# 984
Delta R.T. 0.017 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:122 Resp: 533388

Ion	Ratio	Lower	Upper
122	100		
105	124.1	105.4	145.4
77	94.3	76.4	116.4





#33
4-Chloroaniline
Concen: 48.233 ng
RT: 8.186 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:127 Resp: 98841

Ion	Ratio	Lower	Upper
127	100		
129	32.8	26.1	39.1
65	30.6	24.6	37.0
92	19.4	15.8	23.6

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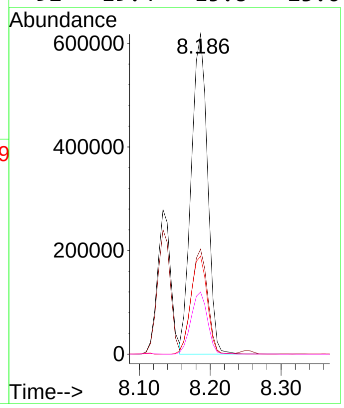
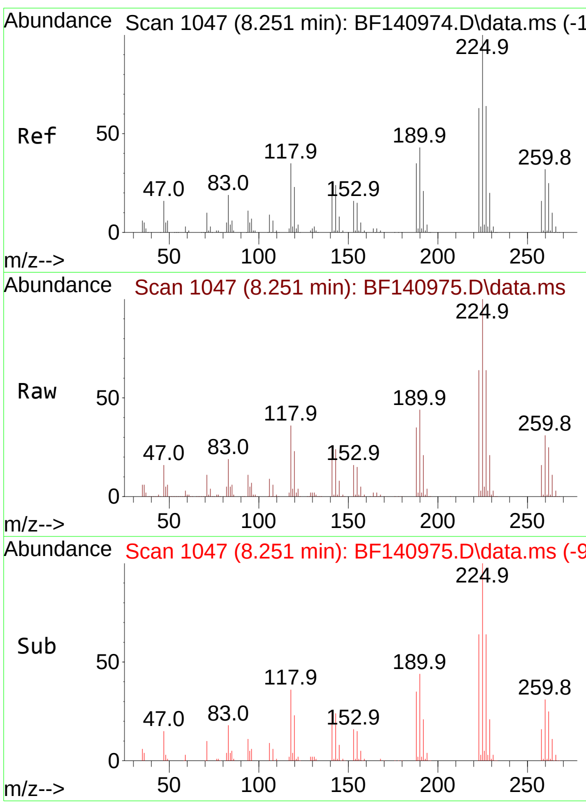
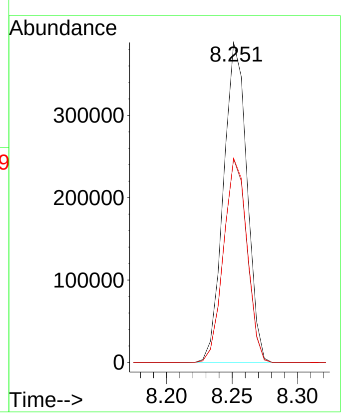




#34
Hexachlorobutadiene
Concen: 48.012 ng
RT: 8.251 min Scan# 1047
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:225 Resp: 485520

Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.3	75.5
227	63.9	50.8	76.2



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Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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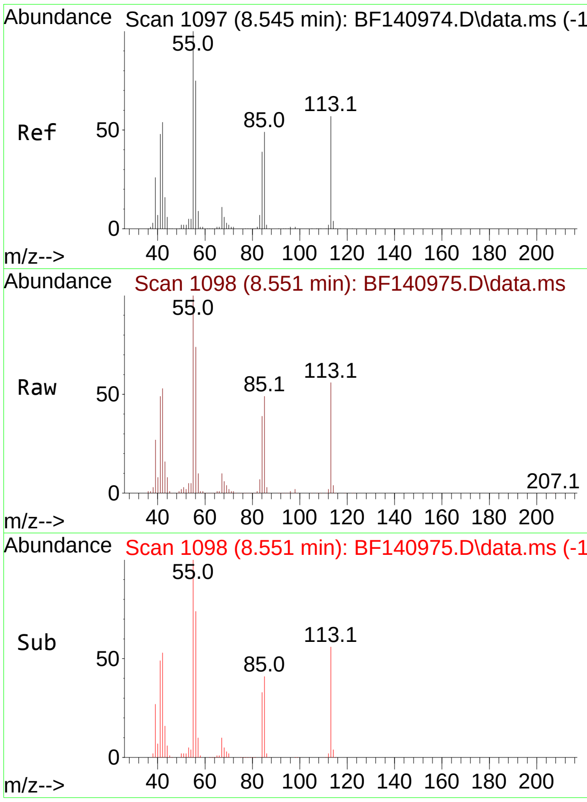
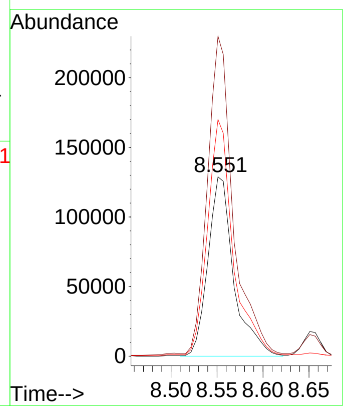
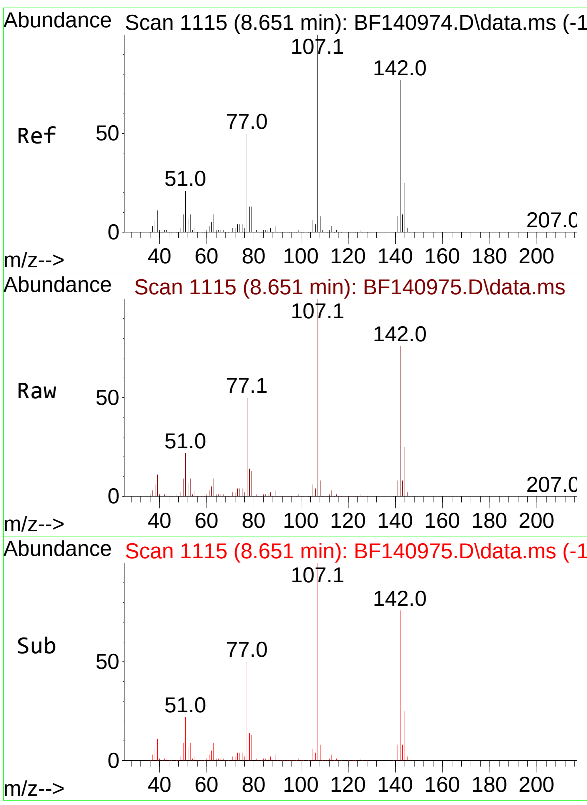



```
#35
Caprolactam
Concen:   48.876 ng  m
RT:   8.551 min  Scan# 1
Delta R.T.  0.006 min
Lab File:   BF140975.D
Acq: 26 Dec 2024  18:33

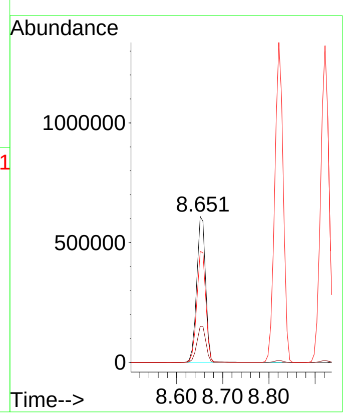
Tgt Ion:113 Resp:  25183
Ion  Ratio  Lower  Upper
113  100
 55  178.4  156.6  196.6
 56  132.0  111.7  151.7
```



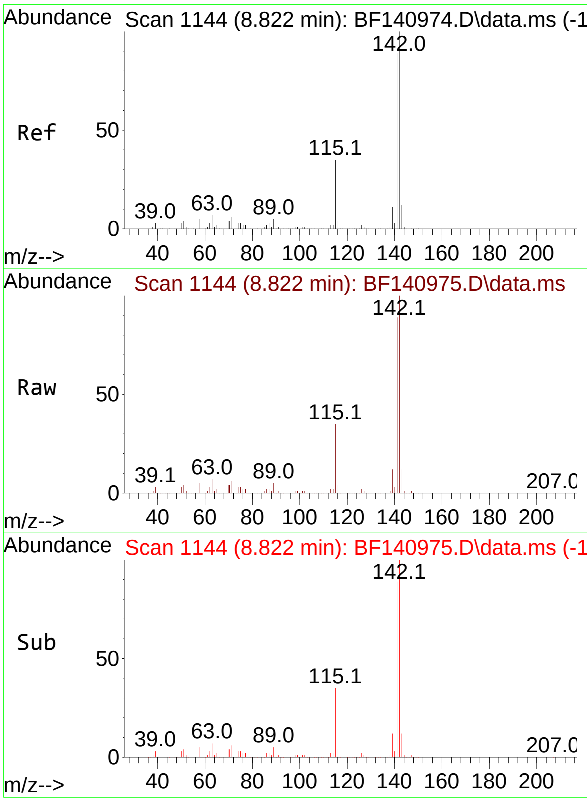



```
#36
4-Chloro-3-methylphenol
Concen:   48.589 ng
RT:   8.651 min  Scan# 1115
Delta R.T.  -0.000 min
Lab File:   BF140975.D
Acq: 26 Dec 2024  18:33

Tgt Ion:107 Resp:  817788
Ion  Ratio  Lower  Upper
107  100
144   24.8   19.9   29.9
142   75.9   61.8   92.8
```



ICAL Form



#37
2-Methylnaphthalene
Concen: 46.676 ng
RT: 8.822 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:142 Resp: 169143

Ion	Ratio	Lower	Upper
142	100		
141	88.5	71.1	106.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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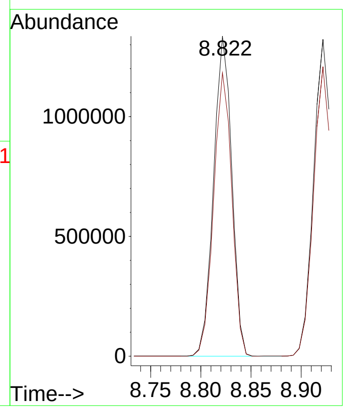
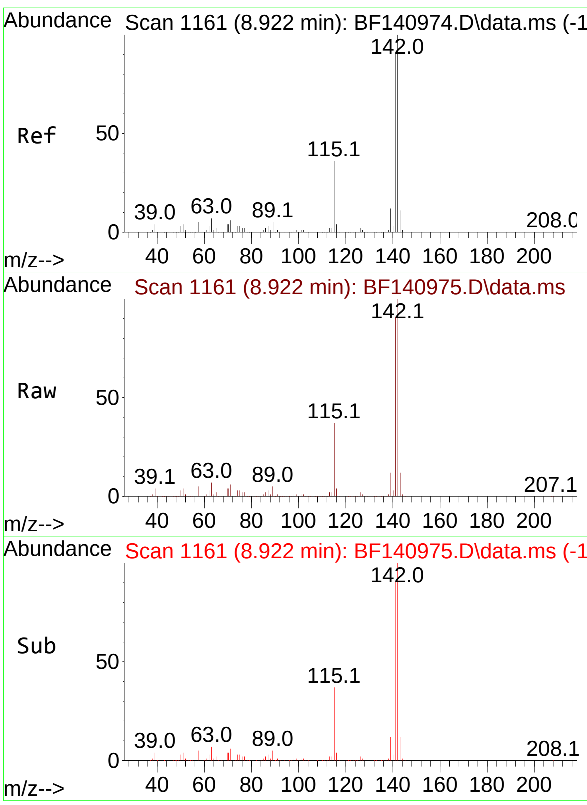
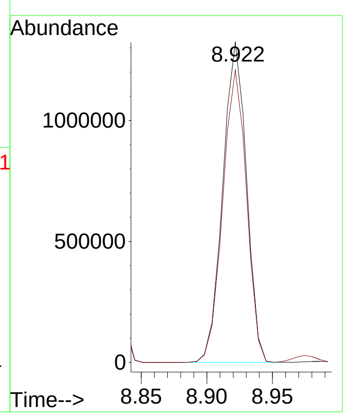


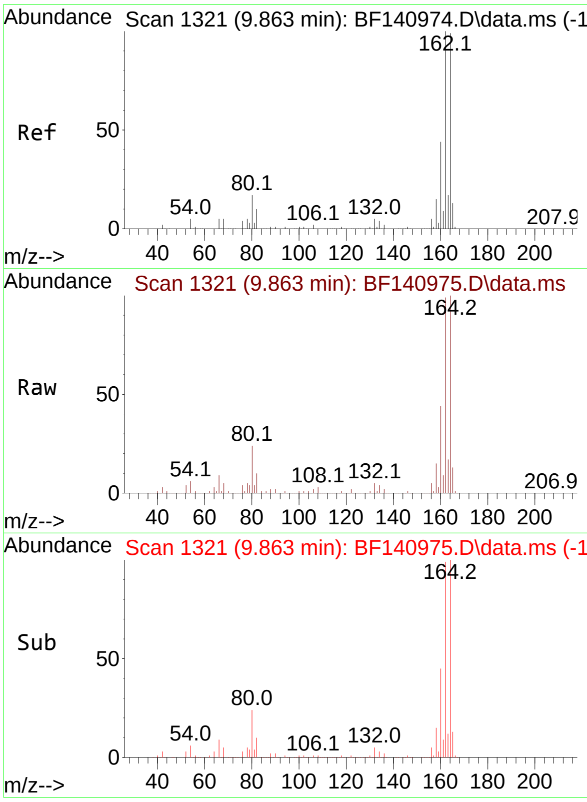


#38
1-Methylnaphthalene
Concen: 46.607 ng
RT: 8.922 min Scan# 1161
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:142 Resp: 1659875

Ion	Ratio	Lower	Upper
142	100		
141	91.4	72.7	109.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:164 Resp: 56854

Ion	Ratio	Lower	Upper
164	100		
162	98.7	80.6	120.8
160	44.3	35.7	53.5

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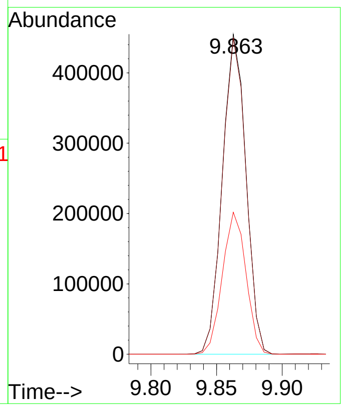
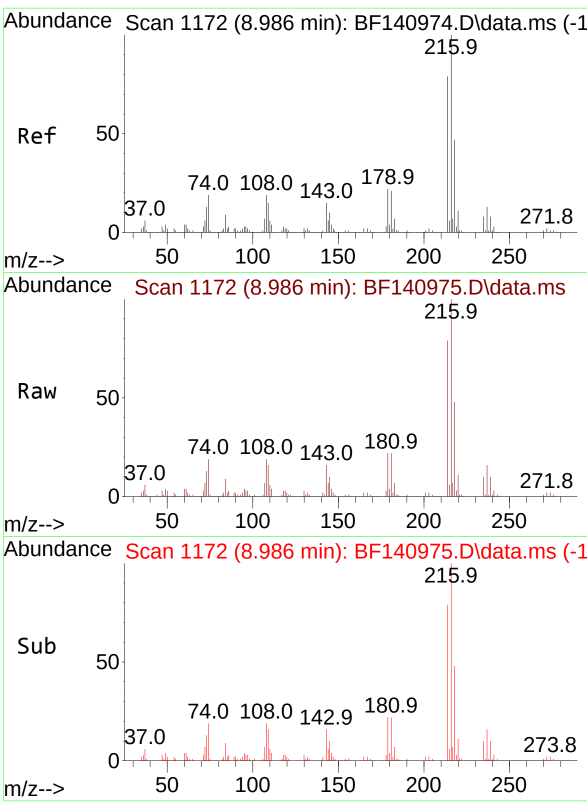
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

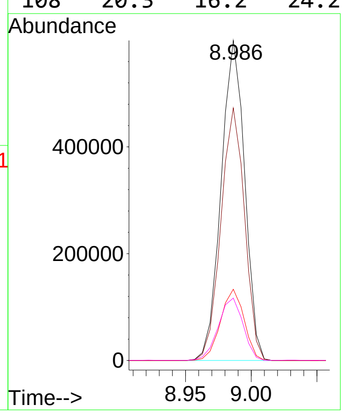


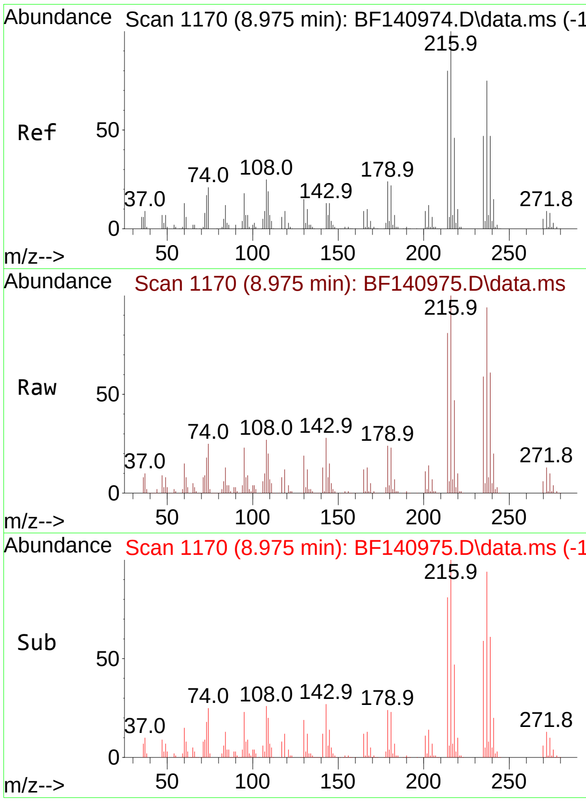


#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.857 ng
RT: 8.986 min Scan# 1172
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:216 Resp: 748540

Ion	Ratio	Lower	Upper
216	100		
214	79.1	63.0	94.6
179	22.2	17.9	26.9
108	20.3	16.2	24.2





#41
Hexachlorocyclopentadiene
Concen: 51.849 ng
RT: 8.975 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:237 Resp: 26874

Ion	Ratio	Lower	Upper
237	100		
235	62.7	43.4	83.4
272	13.4	0.0	32.6

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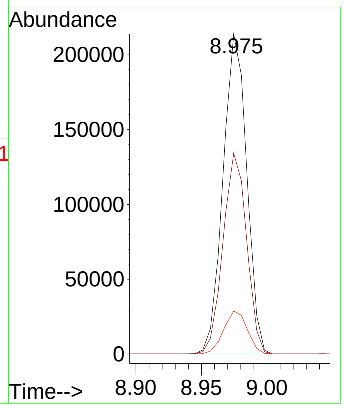
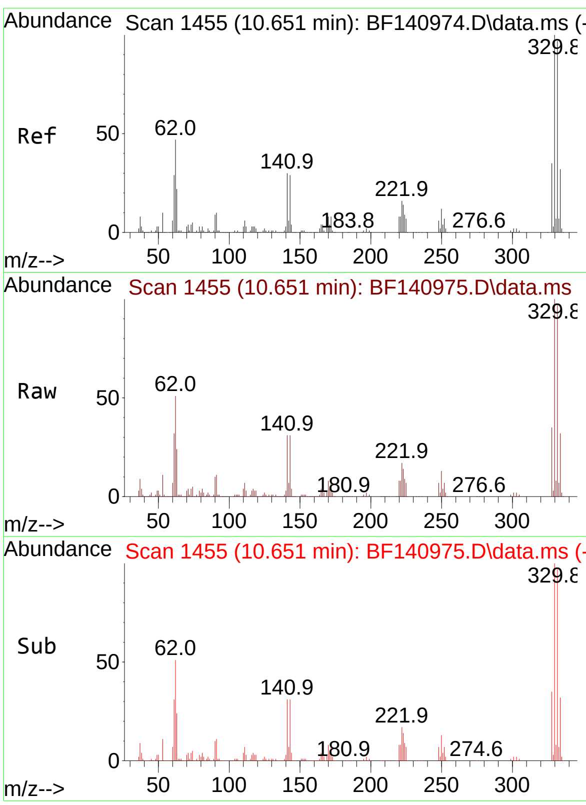
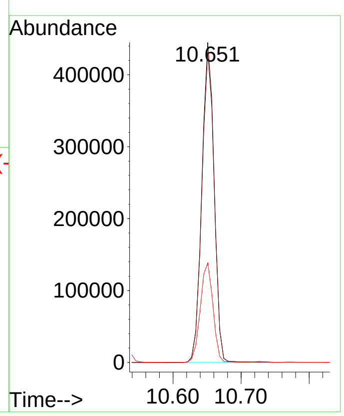


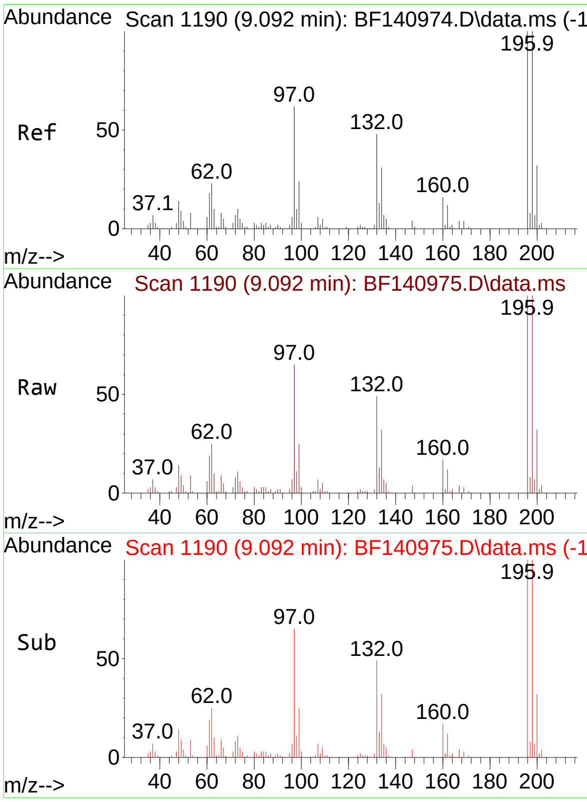


#42
2,4,6-Tribromophenol
Concen: 101.660 ng
RT: 10.651 min Scan# 1455
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:330 Resp: 561625

Ion	Ratio	Lower	Upper
330	100		
332	96.8	78.0	117.0
141	31.9	26.4	39.6





#43
2,4,6-Trichlorophenol
Concen: 48.593 ng
RT: 9.092 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:196 Resp: 50585

Ion	Ratio	Lower	Upper
196	100		
198	100.0	80.2	120.4
200	32.0	25.8	38.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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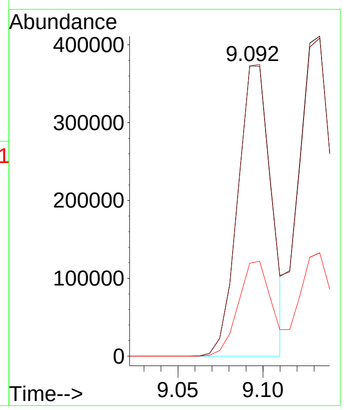
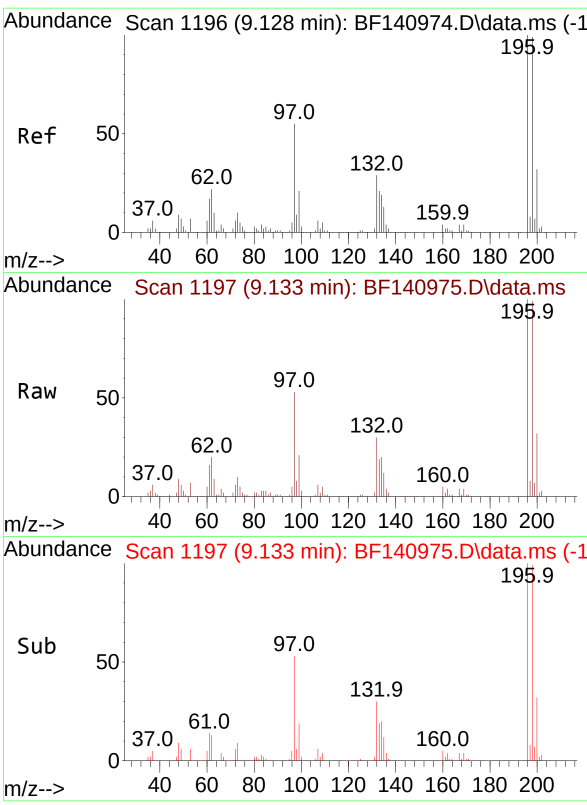
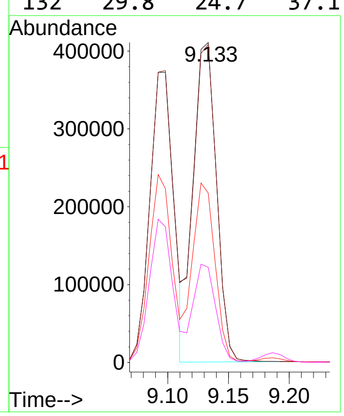




#44
2,4,5-Trichlorophenol
Concen: 51.514 ng
RT: 9.133 min Scan# 1197
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:196 Resp: 548701

Ion	Ratio	Lower	Upper
196	100		
198	99.4	79.9	119.9
97	53.0	44.3	66.5
132	29.8	24.7	37.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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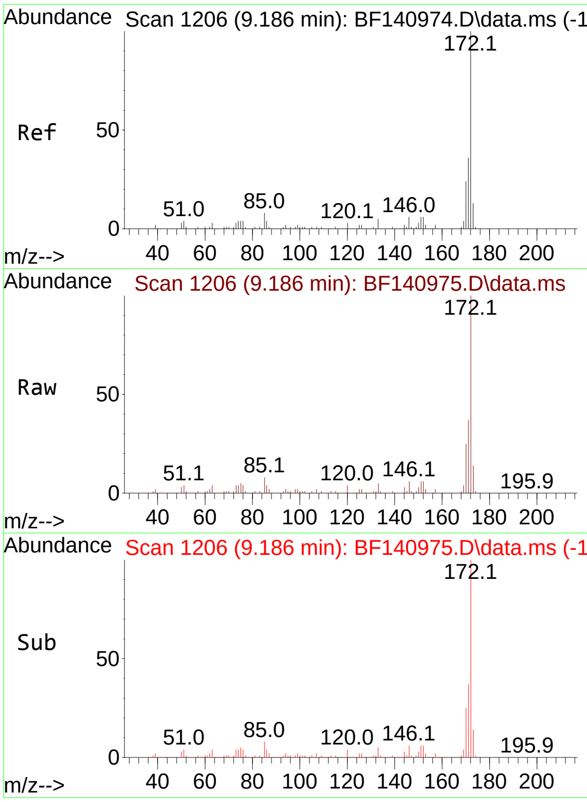
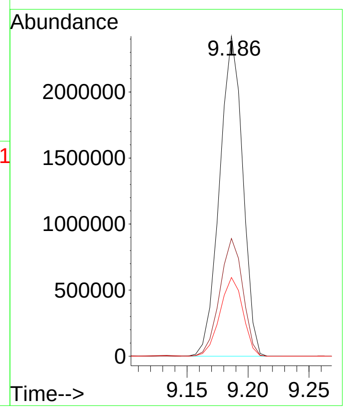
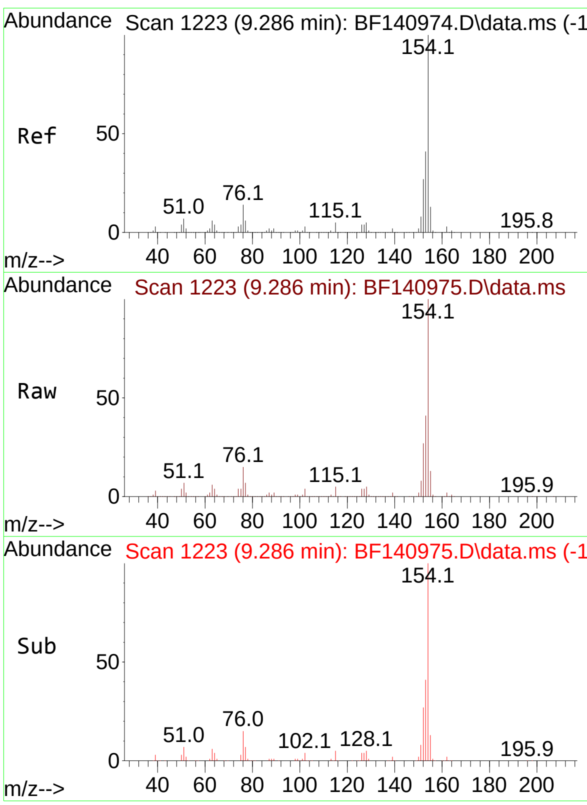


#45
2-Fluorobiphenyl
Concen: 89.926 ng
RT: 9.186 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:172 Resp: 320898

Ion	Ratio	Lower	Upper
172	100		
171	36.8	29.0	43.4
170	24.6	19.6	29.4

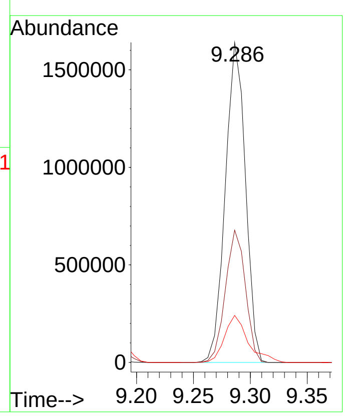




#46
1,1'-Biphenyl
Concen: 46.398 ng
RT: 9.286 min Scan# 1223
Delta R.T. 0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:154 Resp: 2019837

Ion	Ratio	Lower	Upper
154	100		
153	41.3	20.9	60.9
76	14.7	0.0	34.0



ICAL Form

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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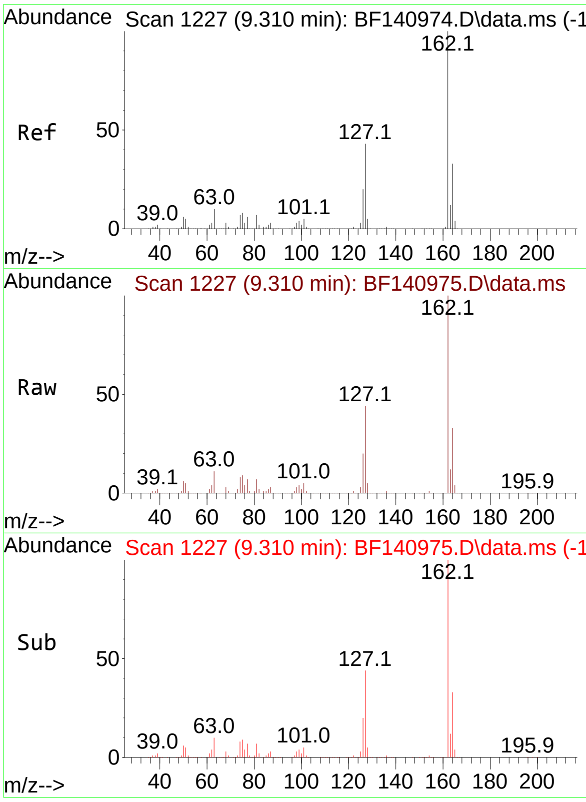
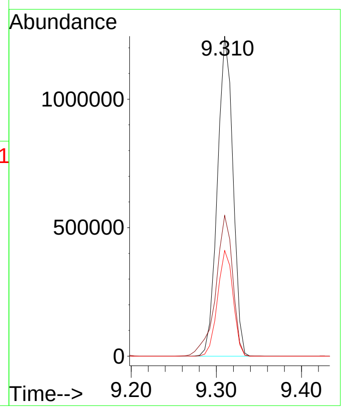
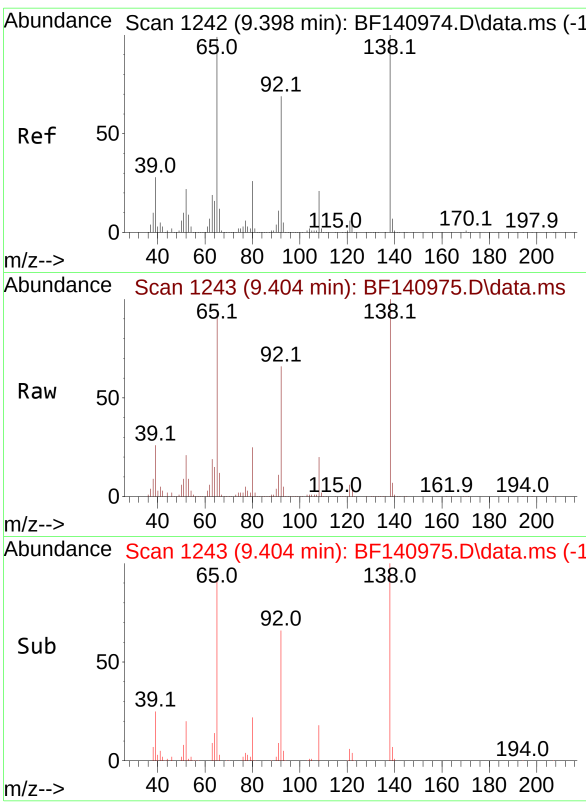


#47
2-Chloronaphthalene
Concen: 46.928 ng
RT: 9.310 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:162 Resp: 158442

Ion	Ratio	Lower	Upper
162	100		
127	43.9	34.2	51.4
164	33.0	26.6	40.0

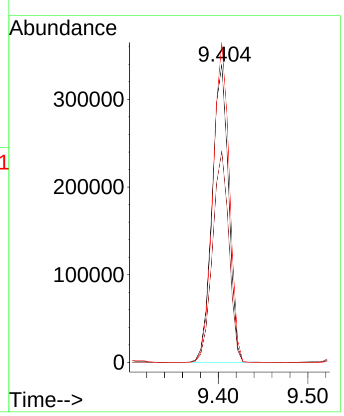




#48
2-Nitroaniline
Concen: 49.051 ng
RT: 9.404 min Scan# 1243
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion: 65 Resp: 434235

Ion	Ratio	Lower	Upper
65	100		
92	70.9	55.6	83.4
138	107.4	80.5	120.7



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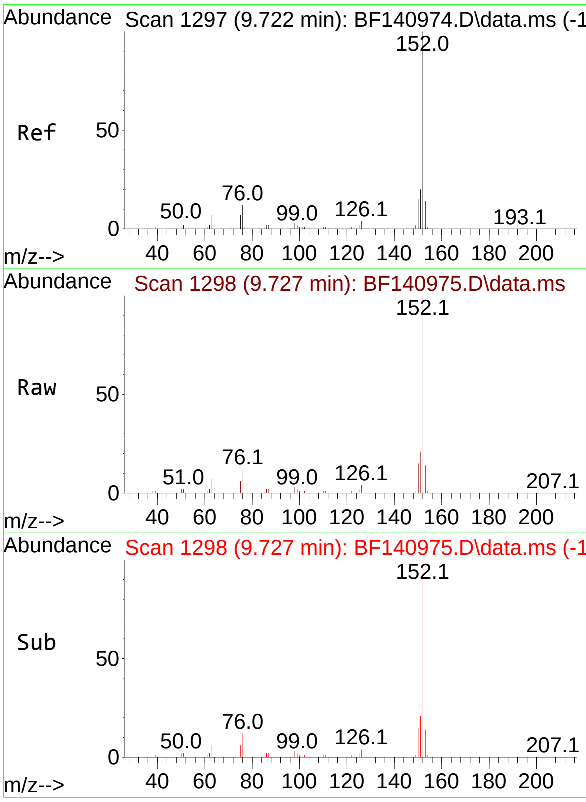
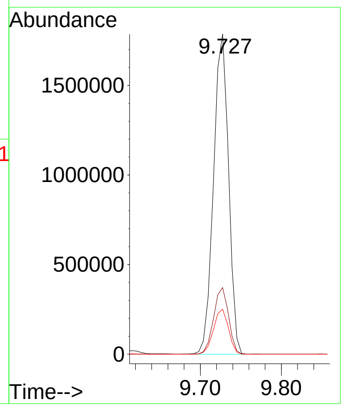


#49
Acenaphthylene
Concen: 47.341 ng
RT: 9.727 min Scan# 1
Delta R.T. 0.005 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:152 Resp: 230092

Ion	Ratio	Lower	Upper
152	100		
151	20.8	16.2	24.4
153	14.0	11.4	17.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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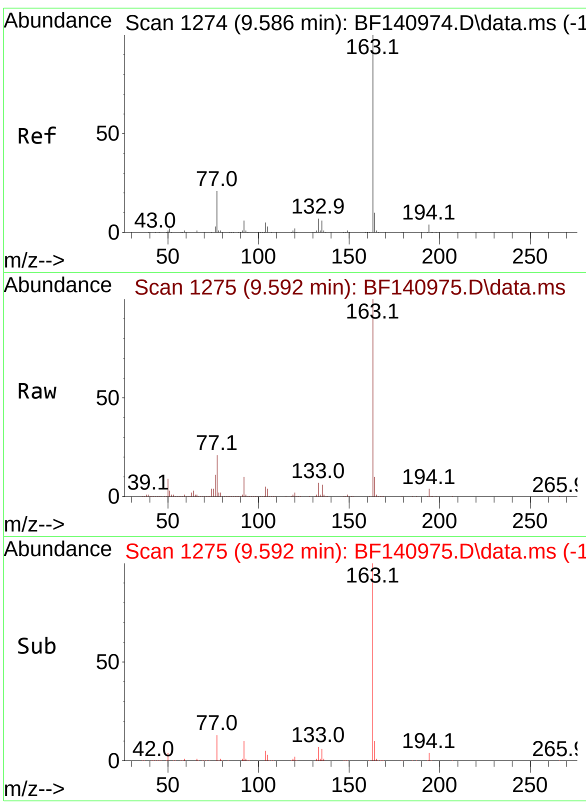
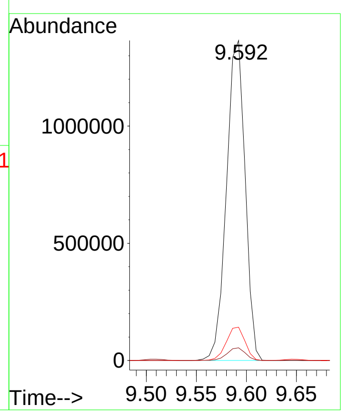


#50
Dimethylphthalate
Concen: 47.363 ng
RT: 9.592 min Scan# 1275
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:163 Resp: 1771217

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.1	4.7
164	10.4	8.3	12.5



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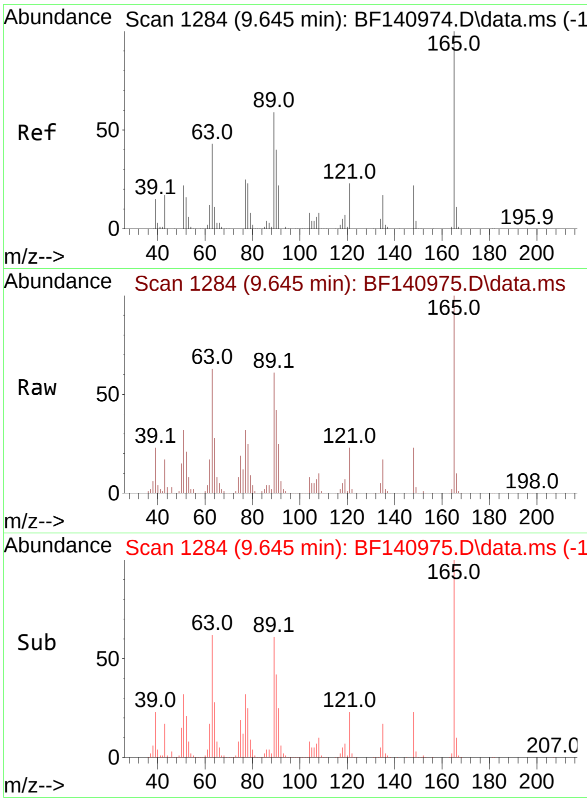

#51
2,6-Dinitrotoluene
Concen: 50.003 ng
RT: 9.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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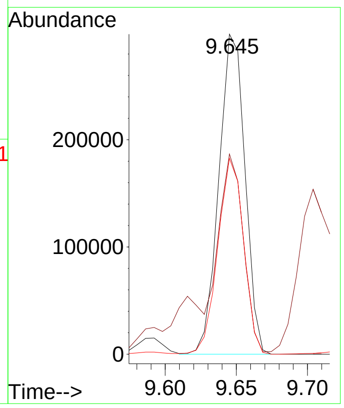
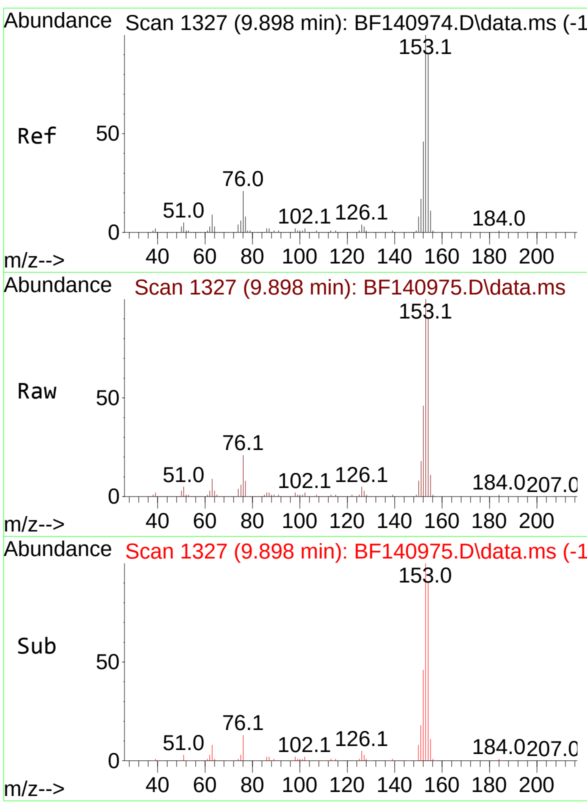
Tgt Ion:165 Resp: 38260

Ion	Ratio	Lower	Upper
165	100		
63	62.6	47.1	70.7
89	61.2	47.0	70.4

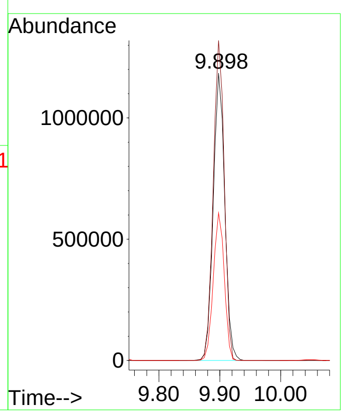




#52
Acenaphthene
Concen: 47.414 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:154 Resp: 1557911

Ion	Ratio	Lower	Upper
154	100		
153	111.4	89.2	133.8
152	51.4	40.9	61.3



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Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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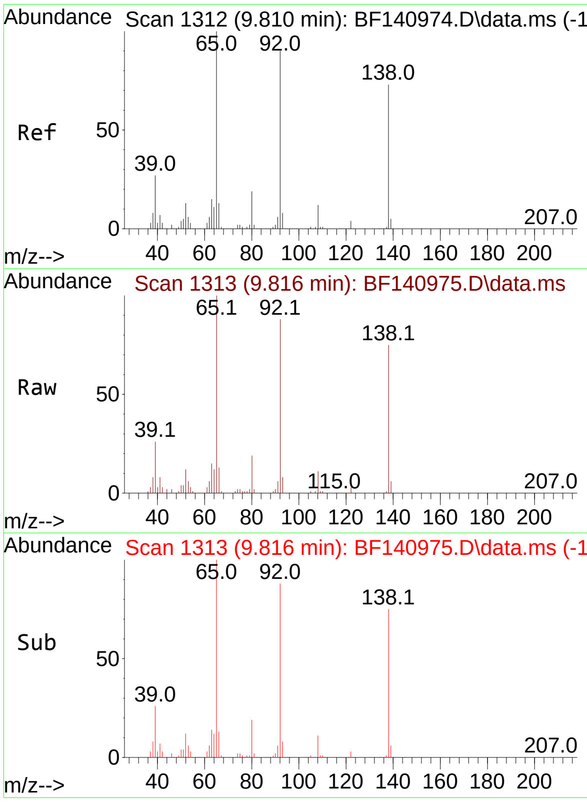
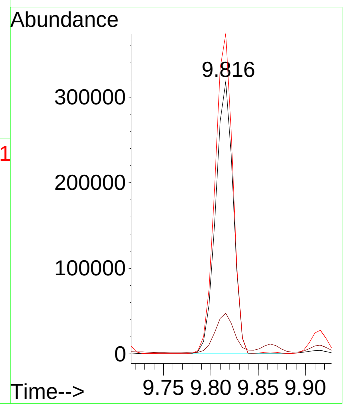
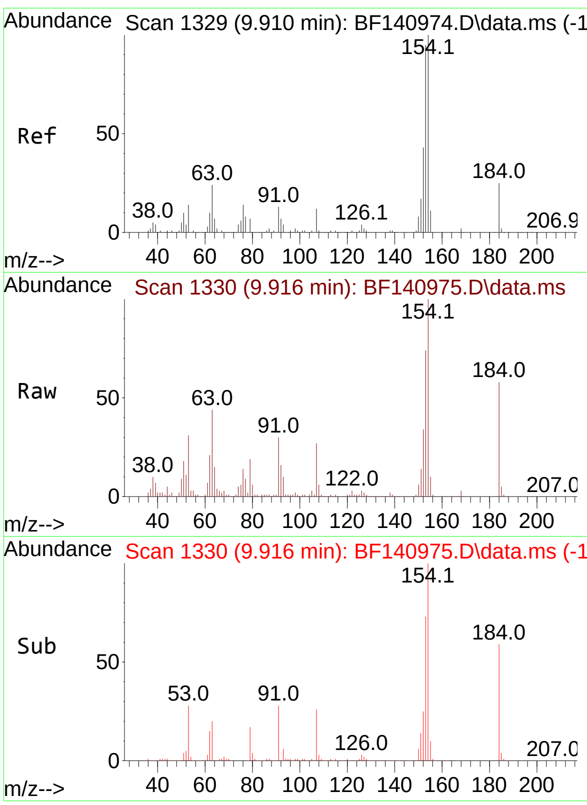


#53
3-Nitroaniline
Concen: 49.386 ng
RT: 9.816 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:138 Resp: 41044

Ion	Ratio	Lower	Upper
138	100		
108	14.9	13.5	20.3
92	117.6	97.7	146.5

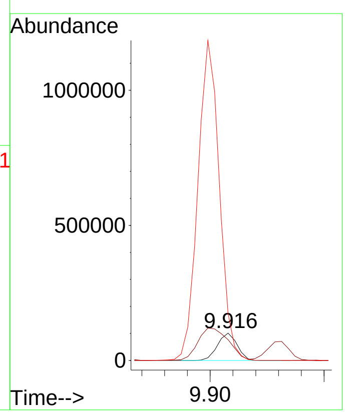




#54
2,4-Dinitrophenol
Concen: 49.996 ng
RT: 9.916 min Scan# 1330
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:184 Resp: 121967

Ion	Ratio	Lower	Upper
184	100		
63	76.0	81.6	122.4#
154	171.1	363.5	545.3#



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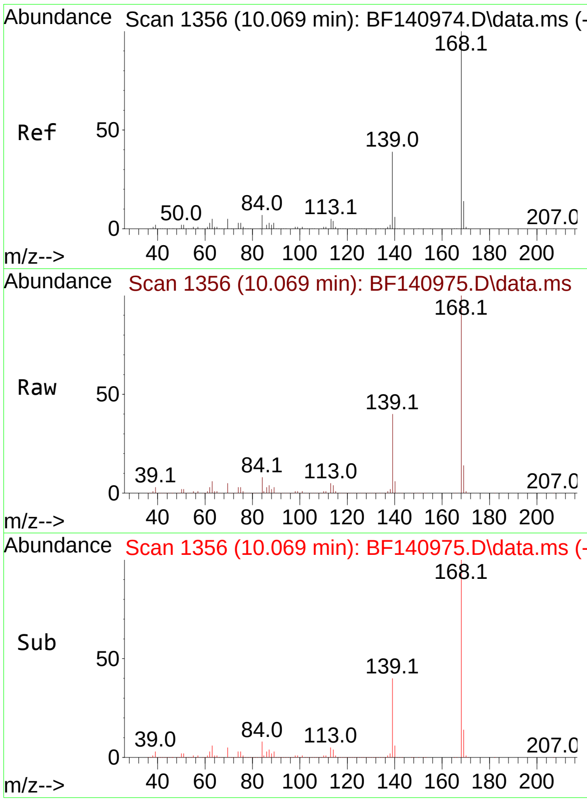

#55
Dibenzofuran
Concen: 46.887 ng
RT: 10.069 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:168 Resp: 216507

Ion	Ratio	Lower	Upper
168	100		
139	39.8	31.6	47.4
169	14.0	11.0	16.6

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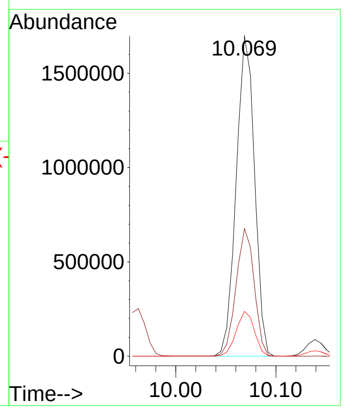
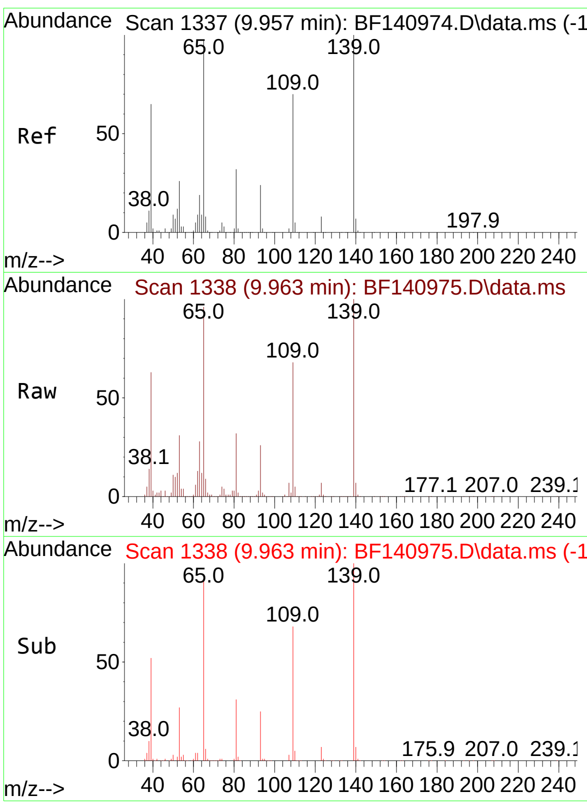
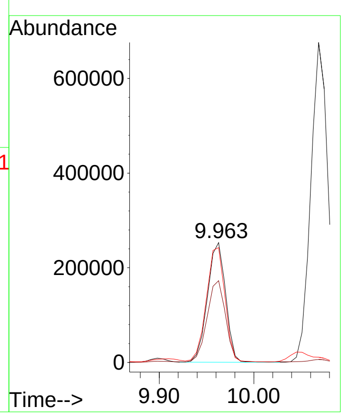


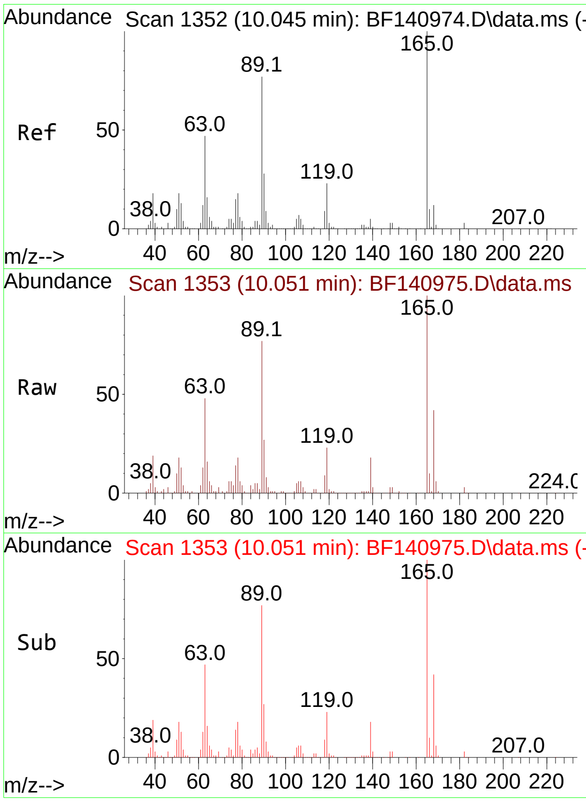


#56
4-Nitrophenol
Concen: 52.728 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:139 Resp: 337300

Ion	Ratio	Lower	Upper
139	100		
109	68.3	50.8	90.8
65	95.9	78.5	118.5





#57
2,4-Dinitrotoluene
Concen: 49.535 ng
RT: 10.051 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:165 Resp: 46377

Ion	Ratio	Lower	Upper
165	100		
63	48.1	38.1	57.1
89	76.6	61.4	92.2
182	2.6	2.1	3.1

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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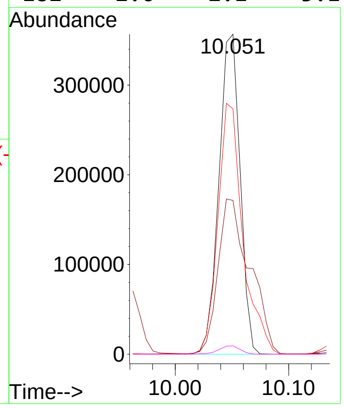
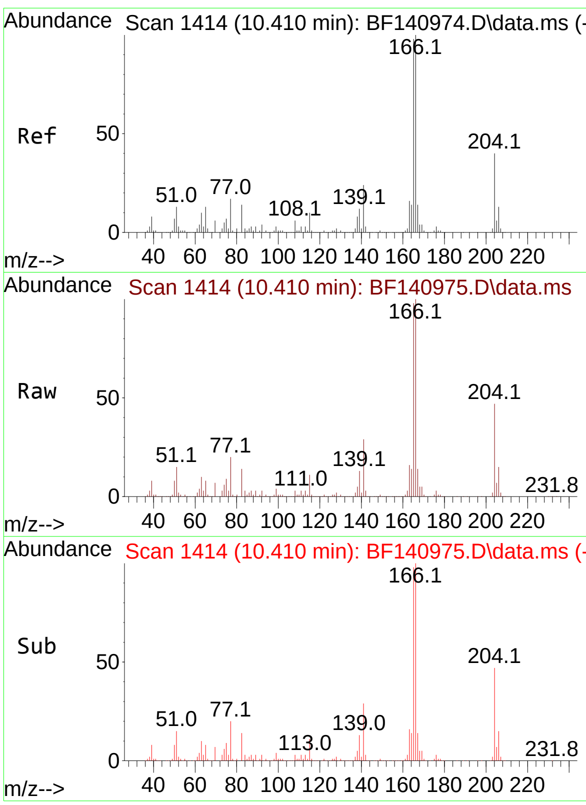
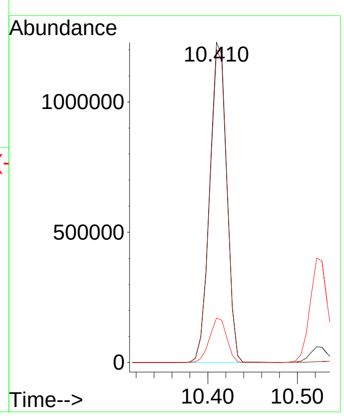




#58
Fluorene
Concen: 45.492 ng
RT: 10.410 min Scan# 1414
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:166 Resp: 1628964

Ion	Ratio	Lower	Upper
166	100		
165	97.8	78.3	117.5
167	13.9	10.9	16.3



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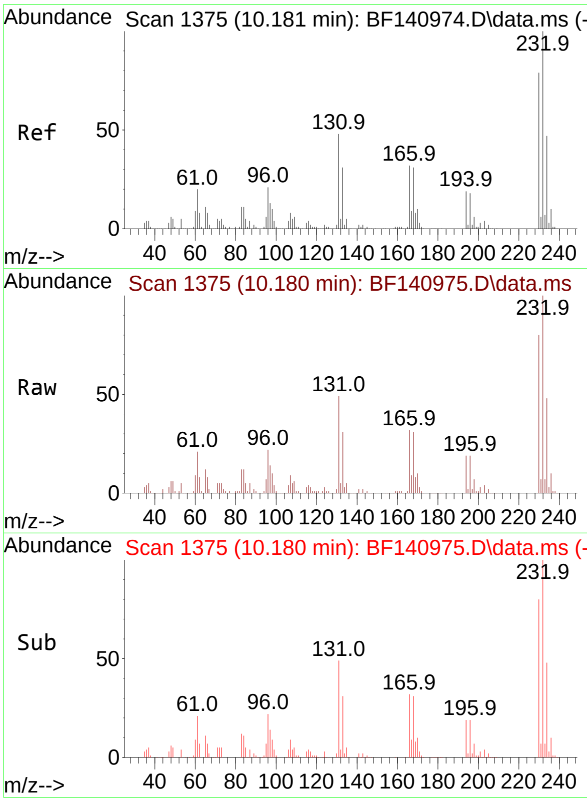


```
#59
2,3,4,6-Tetrachlorophenol
Concen:   49.455 ng
RT:  10.180 min  Scan# 1
Delta R.T.   -0.000 min
Lab File:    BF140975.D
Acq: 26 Dec 2024   18:33

Tgt Ion:232 Resp:  43627
Ion   Ratio   Lower   Upper
232   100
131    46.9    37.4    56.2
130     2.3     1.8     2.8
166    30.5    24.8    37.2
```

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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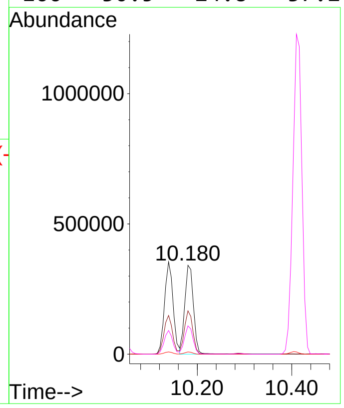
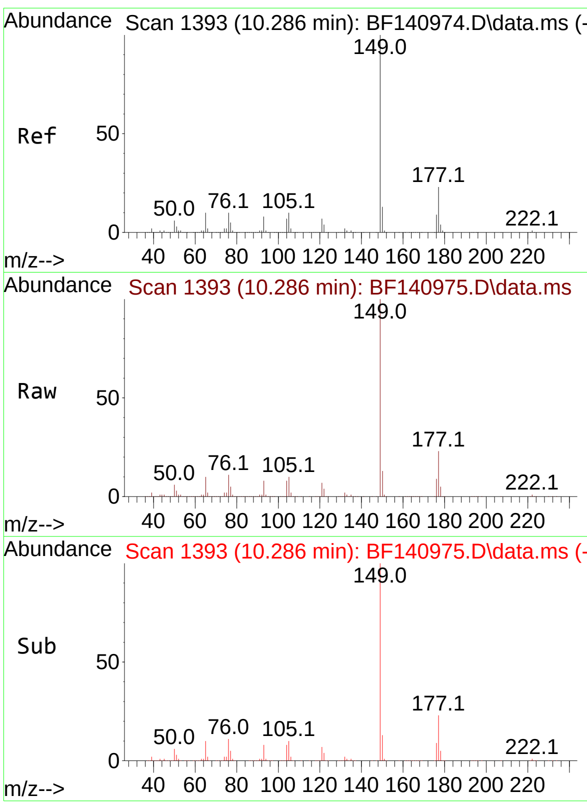
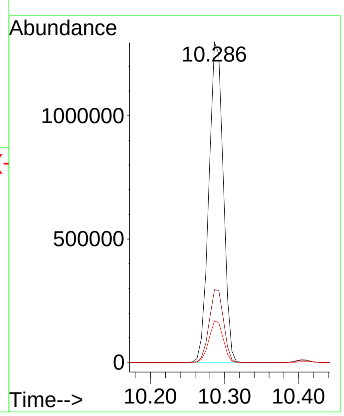
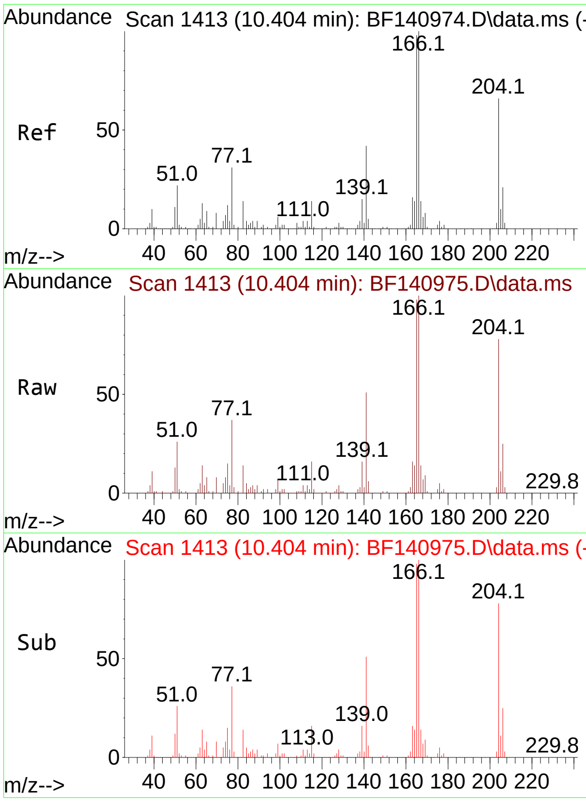





```
#60
Diethylphthalate
Concen:   47.359 ng
RT:  10.286 min  Scan# 1393
Delta R.T.   -0.000 min
Lab File:    BF140975.D
Acq: 26 Dec 2024   18:33

Tgt Ion:149 Resp: 1748454
Ion   Ratio   Lower   Upper
149   100
177    22.7    18.3    27.5
150    13.0    10.4    15.6
```





#61
4-Chlorophenyl-phenylether
Concen: 46.203 ng
RT: 10.404 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument : BNA_F
ClientSampleId : SSTDICC050

Tgt Ion:204 Resp: 79607

Ion	Ratio	Lower	Upper
204	100		
206	32.4	25.8	38.6
141	64.9	51.2	76.8

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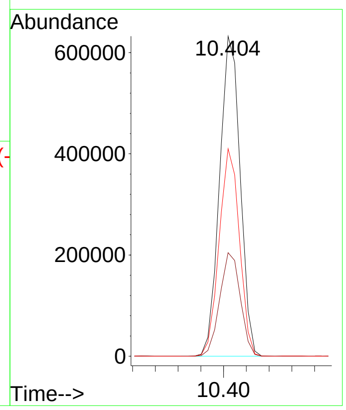
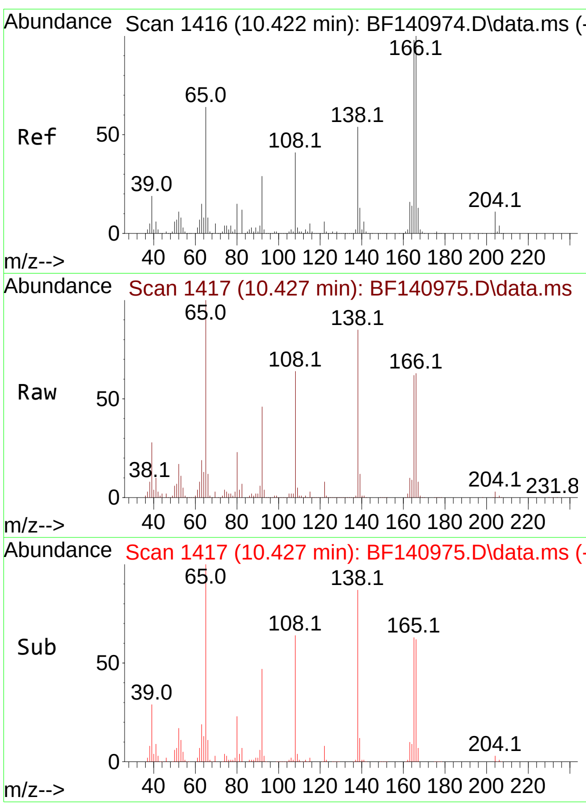
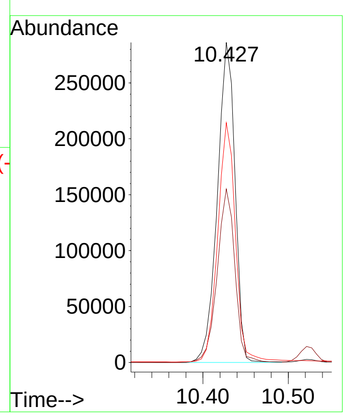




#62
4-Nitroaniline
Concen: 49.614 ng
RT: 10.427 min Scan# 1417
Delta R.T. 0.005 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:138 Resp: 412091

Ion	Ratio	Lower	Upper
138	100		
92	54.2	34.8	74.8
108	74.9	55.9	95.9



Instrument :
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ClientSampleId :
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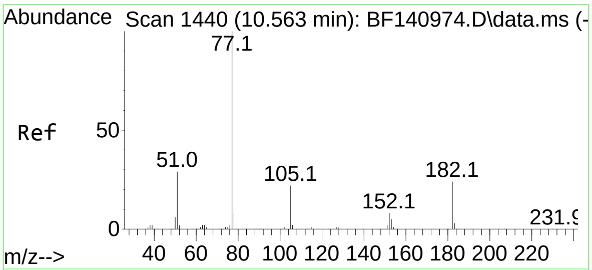
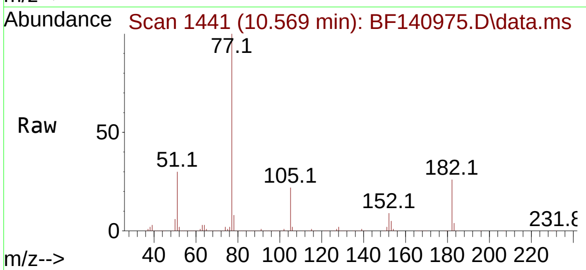
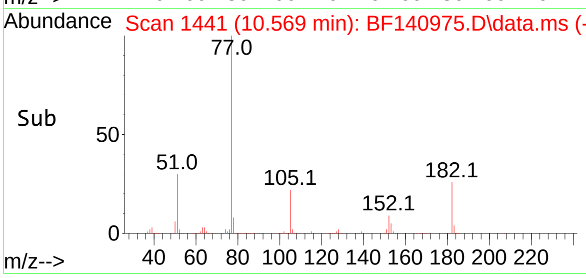


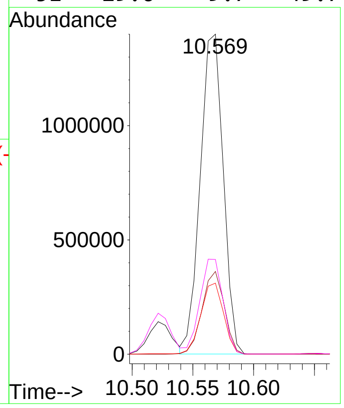


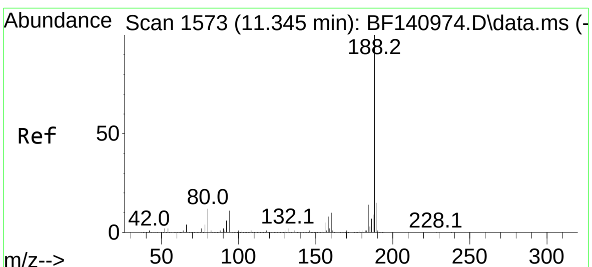


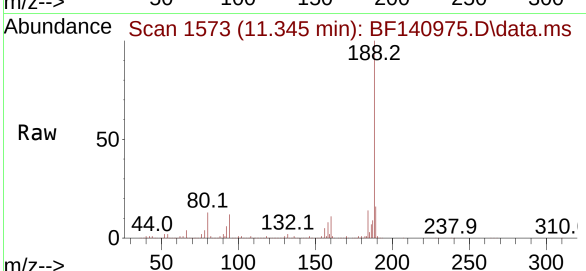
#63
Azobenzene
Concen: 47.507 ng
RT: 10.569 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

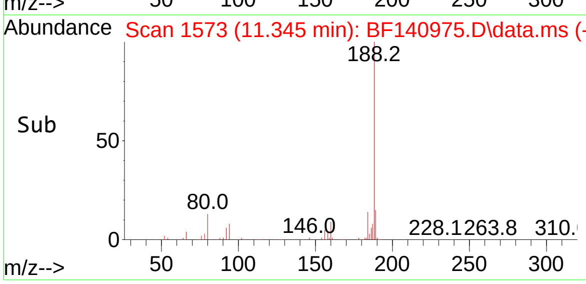
Tgt Ion: 77 Resp: 184094

Ion	Ratio	Lower	Upper
77	100		
182	25.9	4.1	44.1
105	22.2	1.8	41.8
51	29.6	9.7	49.7





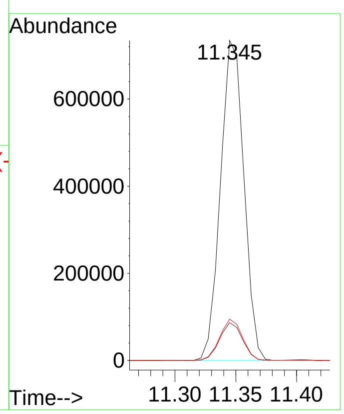




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:188 Resp: 984477

Ion	Ratio	Lower	Upper
188	100		
94	11.8	9.0	13.6
80	12.9	9.8	14.6



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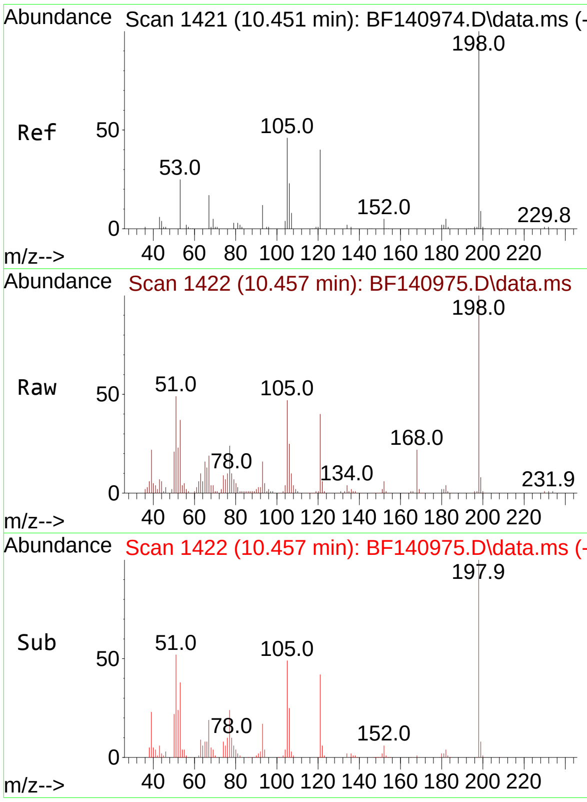

#65
4,6-Dinitro-2-methylphenol
Concen: 48.976 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:198 Resp: 19316

Ion	Ratio	Lower	Upper
198	100		
51	49.3	32.3	72.3
105	46.8	28.4	68.4

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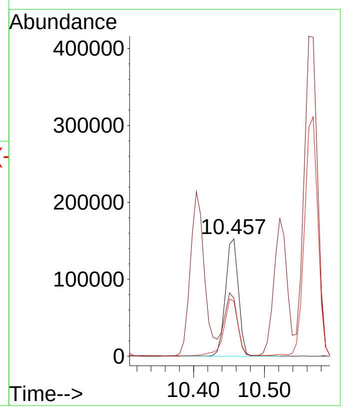
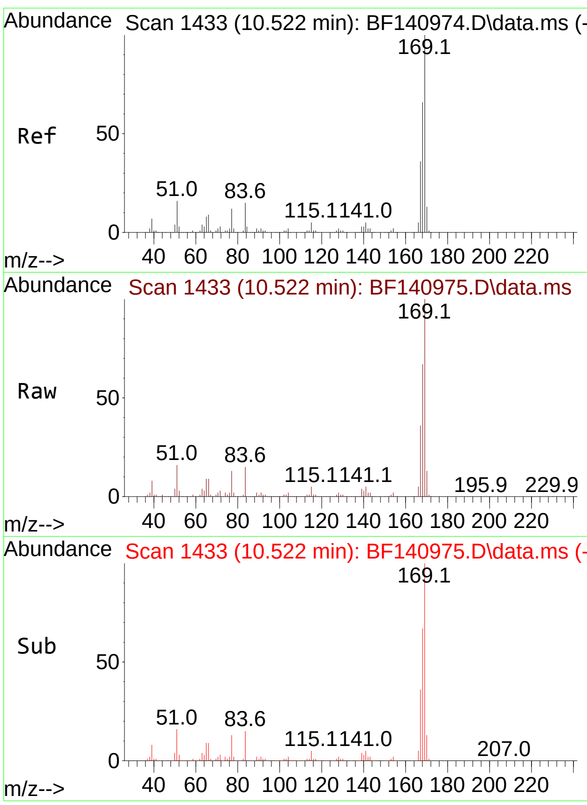
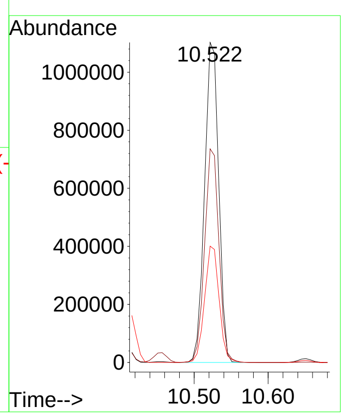




#66
n-Nitrosodiphenylamine
Concen: 47.193 ng
RT: 10.522 min Scan# 1433
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:169 Resp: 1463039

Ion	Ratio	Lower	Upper
169	100		
168	66.8	52.6	79.0
167	36.4	29.0	43.4



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Instrument :
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ClientSampleId :
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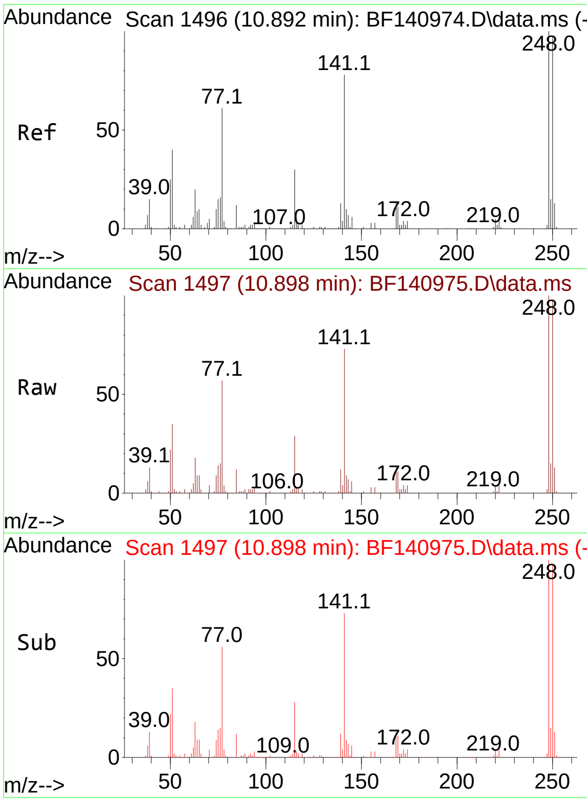
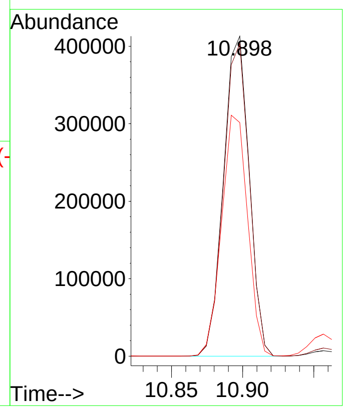
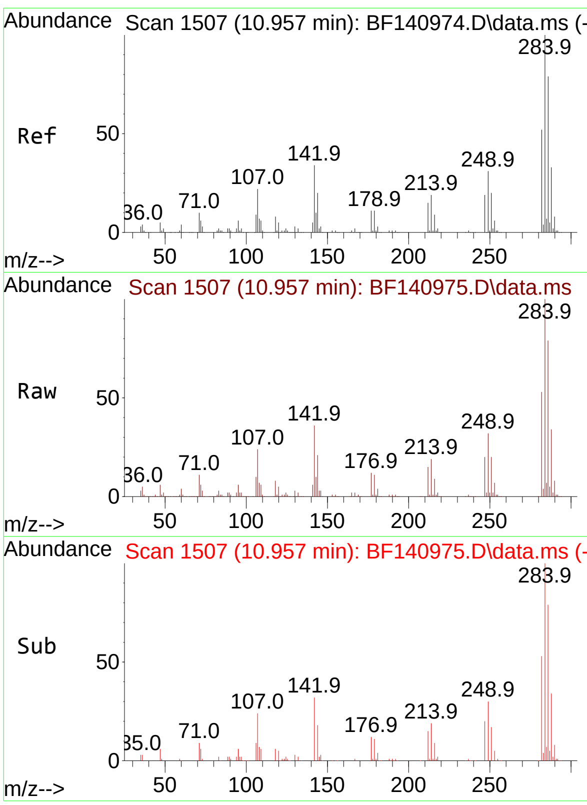


#67
4-Bromophenyl-phenylether
Concen: 48.981 ng
RT: 10.898 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:248 Resp: 52127

Ion	Ratio	Lower	Upper
248	100		
250	97.6	77.7	116.5
141	73.0	62.1	93.1

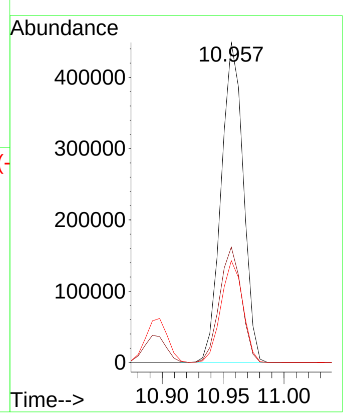




#68
Hexachlorobenzene
Concen: 48.368 ng
RT: 10.957 min Scan# 1507
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:284 Resp: 567592

Ion	Ratio	Lower	Upper
284	100		
142	36.0	27.1	40.7
249	31.8	25.1	37.7



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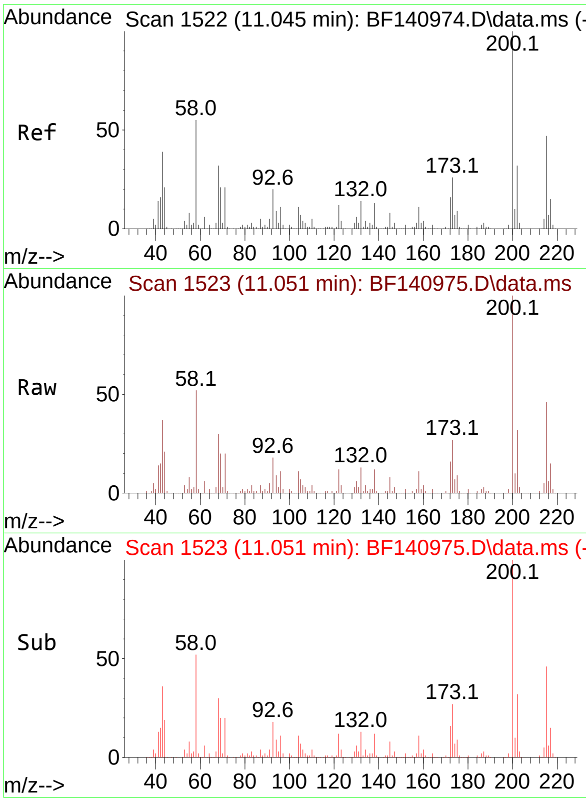

#69
Atrazine
Concen: 41.889 ng
RT: 11.051 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:200 Resp: 36278

Ion	Ratio	Lower	Upper
200	100		
173	26.7	6.4	46.4
215	45.6	27.2	67.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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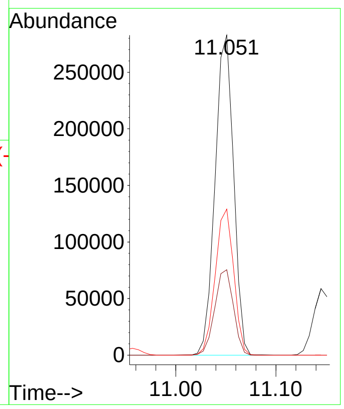
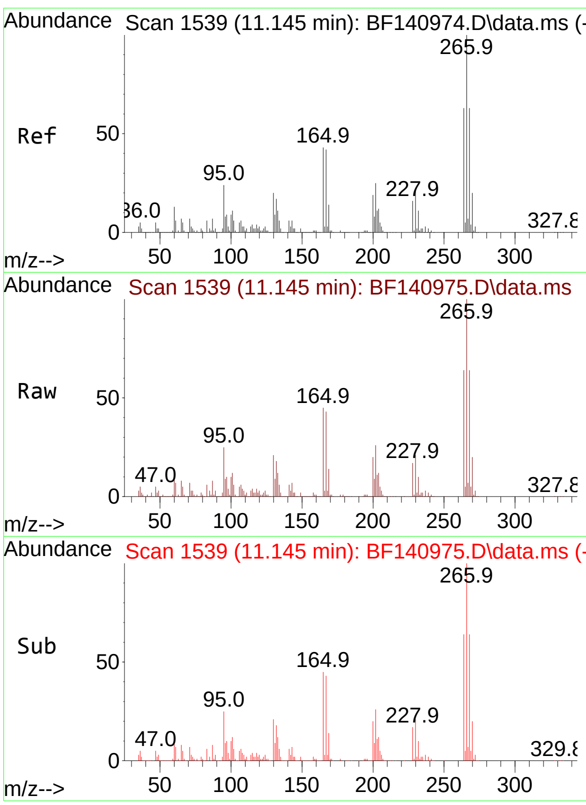
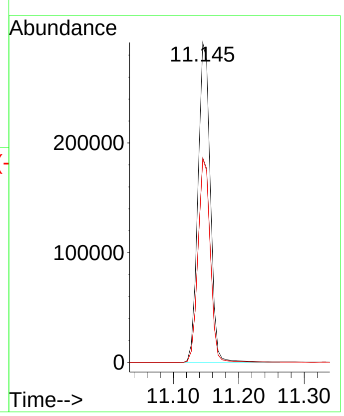




#70
Pentachlorophenol
Concen: 52.476 ng
RT: 11.145 min Scan# 1539
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:266 Resp: 383398

Ion	Ratio	Lower	Upper
266	100		
268	64.0	50.5	75.7
264	63.6	50.2	75.4



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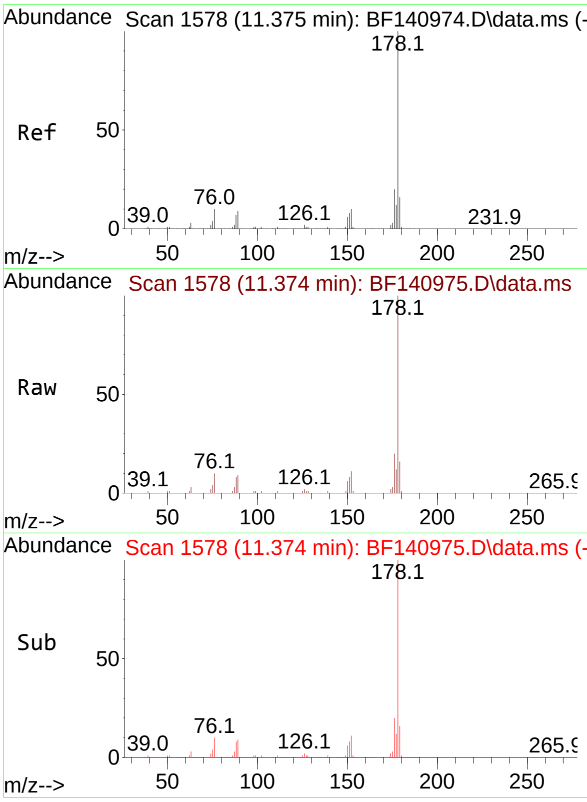

#71
Phenanthrene
Concen: 46.658 ng
RT: 11.374 min Scan# 1!
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:178 Resp: 241755

Ion	Ratio	Lower	Upper
178	100		
176	20.0	15.8	23.6
179	16.2	12.6	19.0

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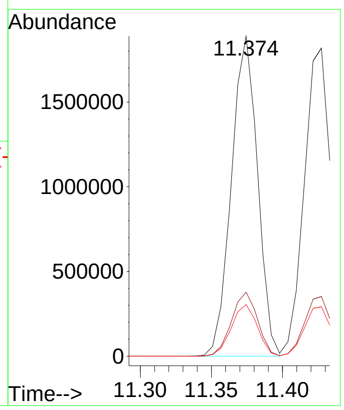
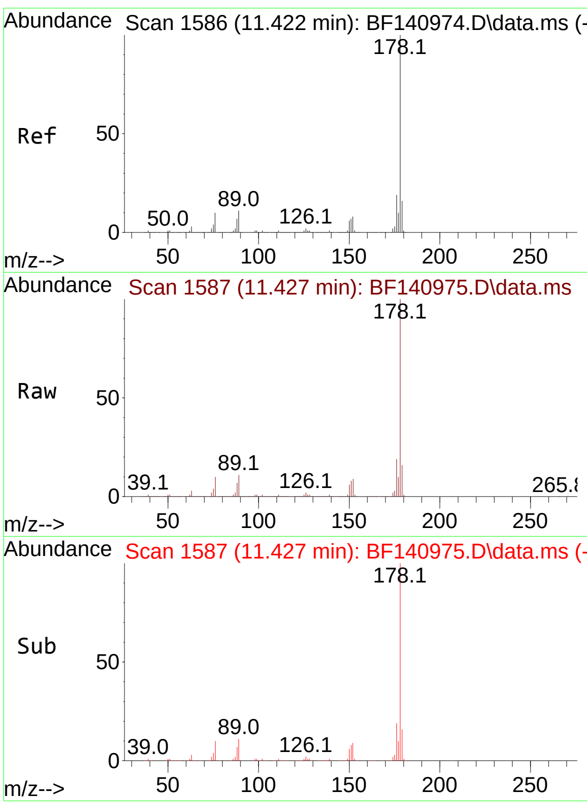
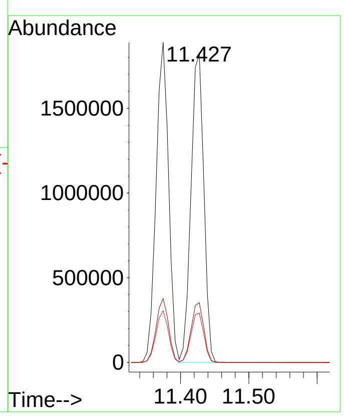


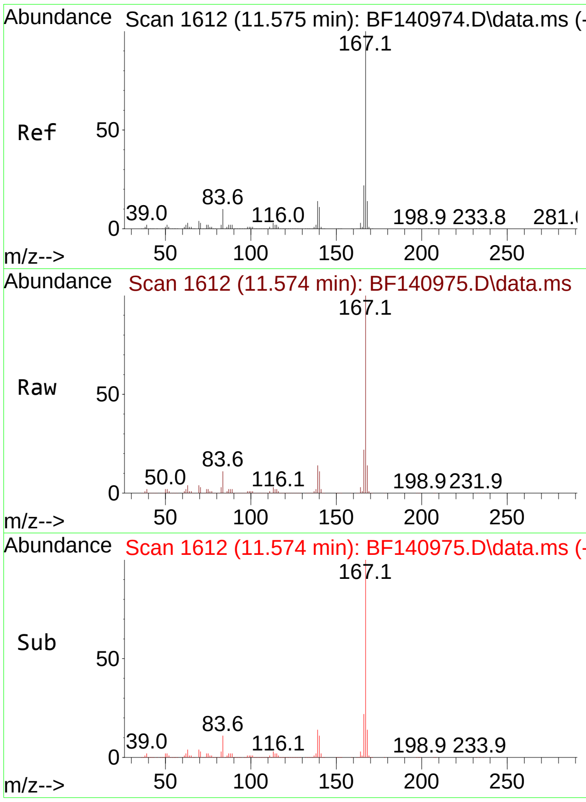


#72
Anthracene
Concen: 46.682 ng
RT: 11.427 min Scan# 1587
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:178 Resp: 2370103

Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.3	22.9
179	16.0	12.9	19.3

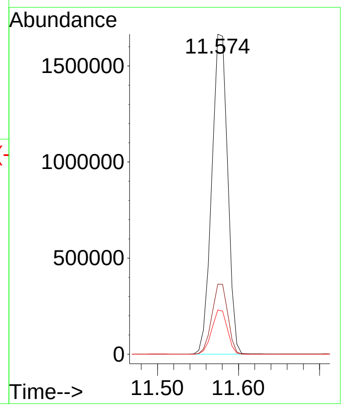




#73
Carbazole
Concen: 46.552 ng
RT: 11.574 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:167 Resp: 227207(

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.5	26.3
139	13.8	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
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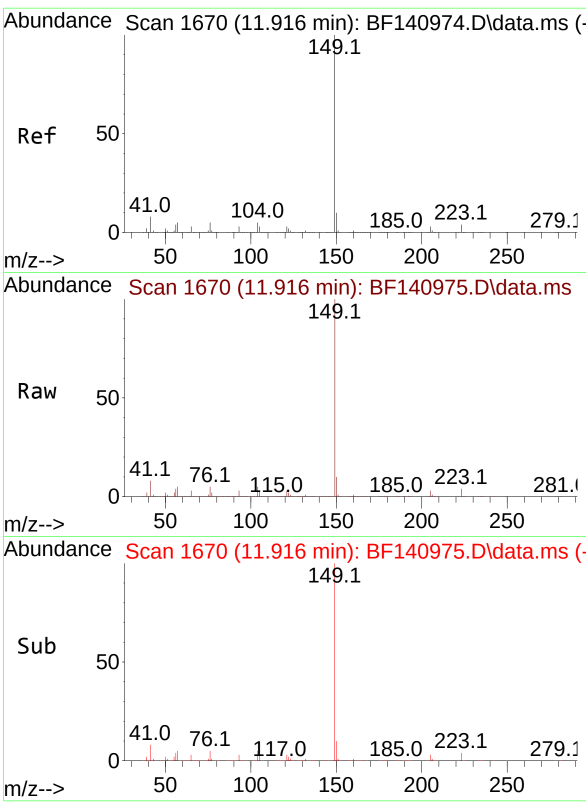
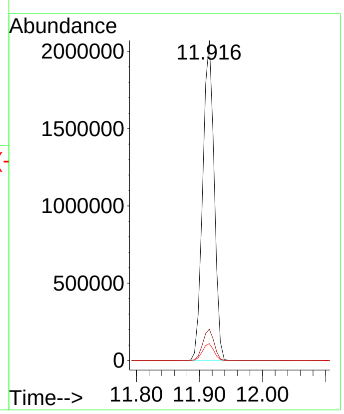


#74
Di-n-butylphthalate
Concen: 46.746 ng
RT: 11.916 min Scan# 1670
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:149 Resp: 2595020

Ion	Ratio	Lower	Upper
149	100		
150	9.7	7.7	11.5
104	5.3	4.1	6.1



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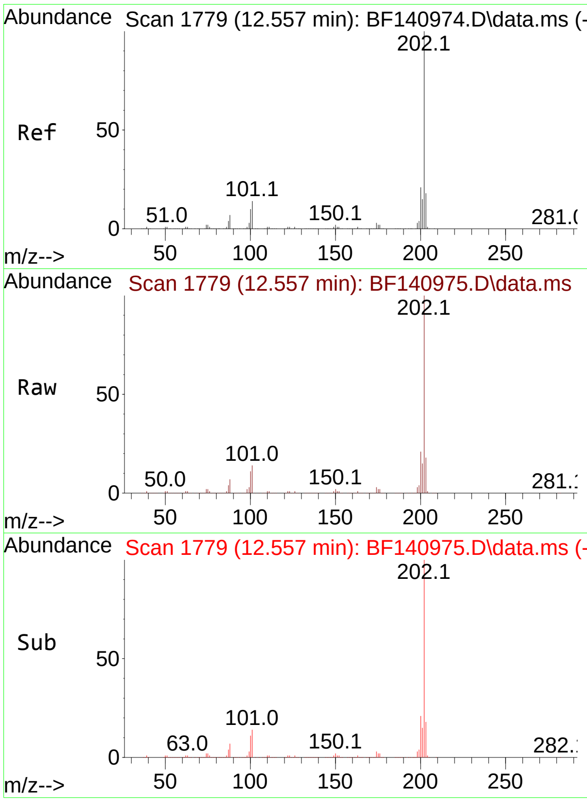

#75
Fluoranthene
Concen: 45.972 ng
RT: 12.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Tgt Ion:202 Resp: 258343

Ion	Ratio	Lower	Upper
202	100		
101	14.3	0.0	33.7
203	18.3	0.0	38.1

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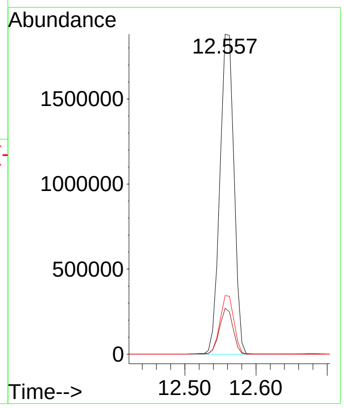
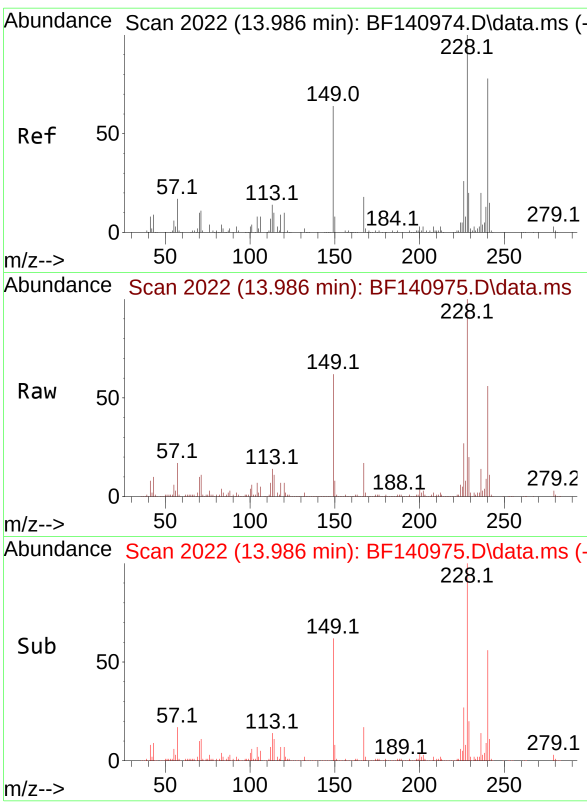
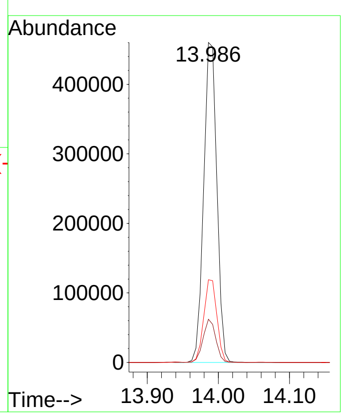




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:240 Resp: 594739

Ion	Ratio	Lower	Upper
240	100		
120	13.5	10.7	16.1
236	25.8	20.6	31.0



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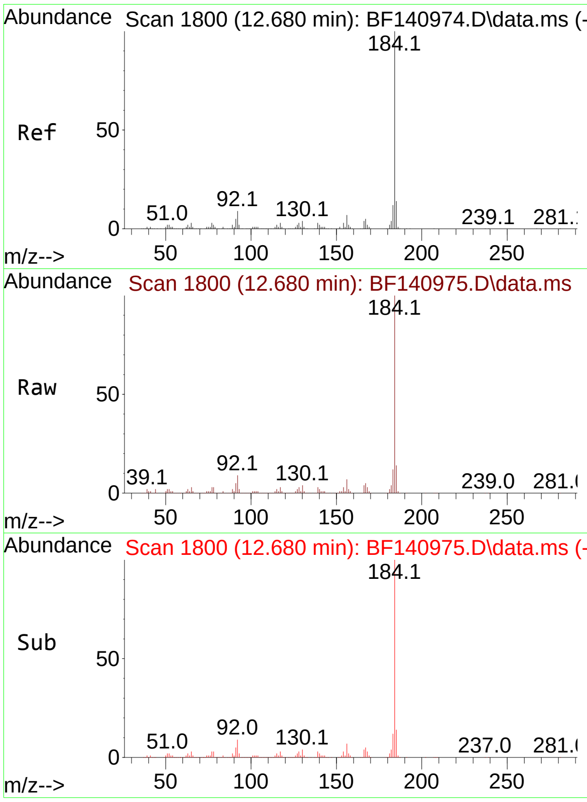
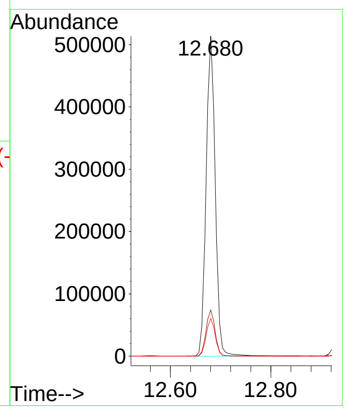


#77
Benzidine
Concen: 51.801 ng
RT: 12.680 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:184 Resp: 65109

Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.4	17.2
183	11.8	9.4	14.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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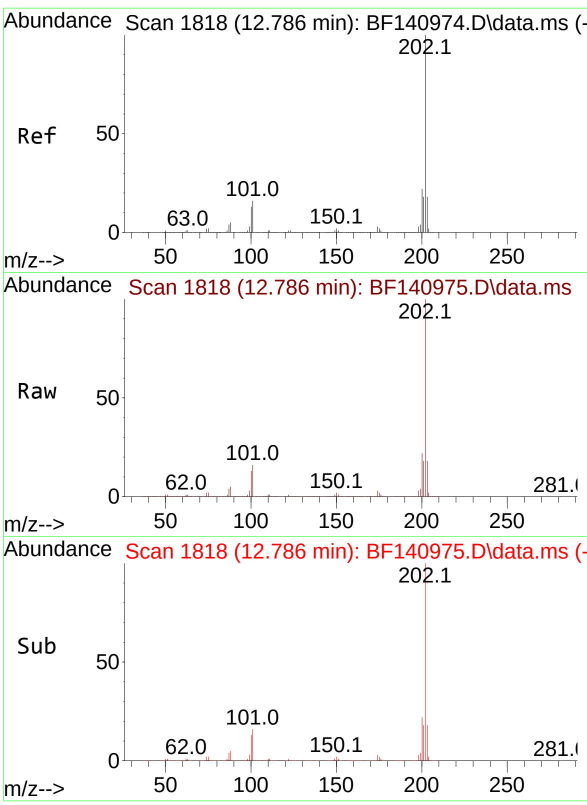
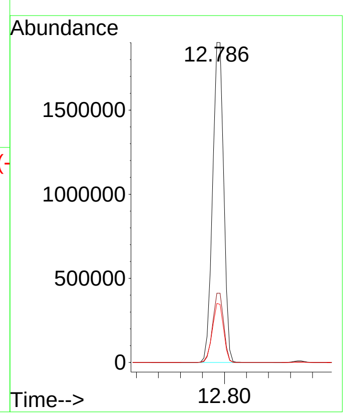
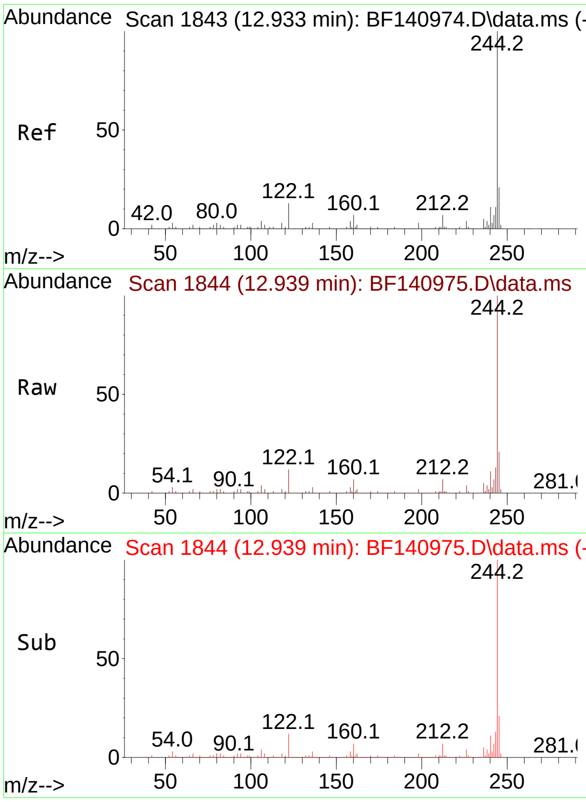


#78
Pyrene
Concen: 50.973 ng
RT: 12.786 min Scan# 1818
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:202 Resp: 2651339

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.3	25.9
203	18.5	14.6	21.8





#79
Terphenyl-d14
Concen: 99.194 ng
RT: 12.939 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:244 Resp: 355177

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	11.9	10.2	15.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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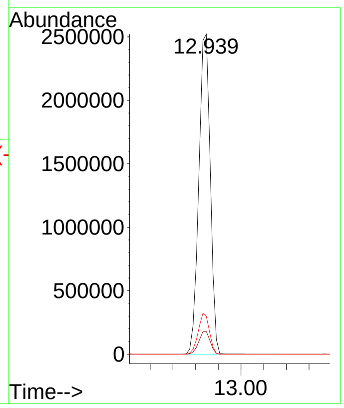
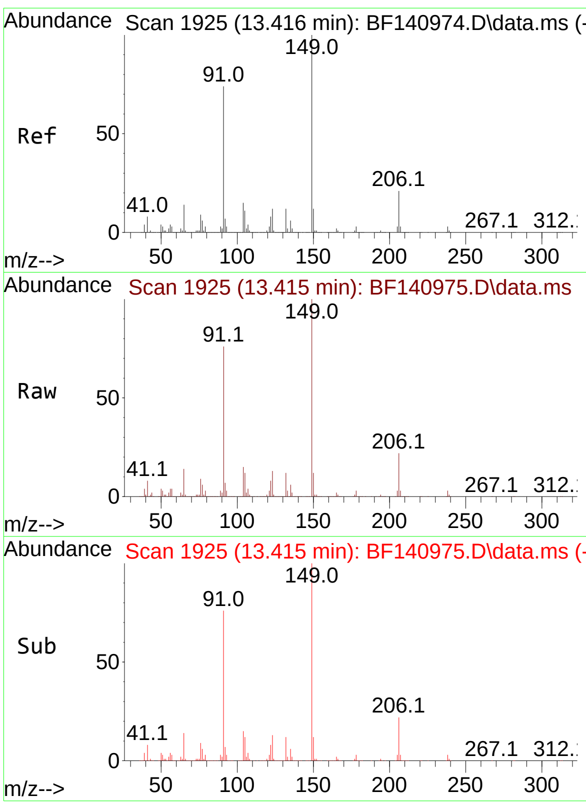
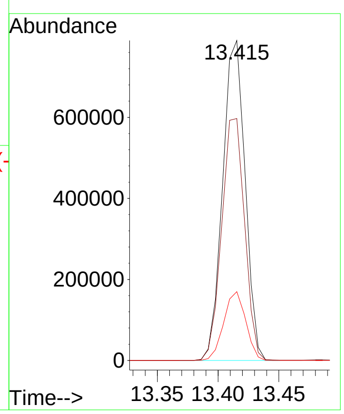




#80
Butylbenzylphthalate
Concen: 53.519 ng
RT: 13.415 min Scan# 1925
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:149 Resp: 1016502

Ion	Ratio	Lower	Upper
149	100		
91	75.6	59.5	89.3
206	21.5	17.1	25.7



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Instrument :
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ClientSampleId :
SSTDICC050

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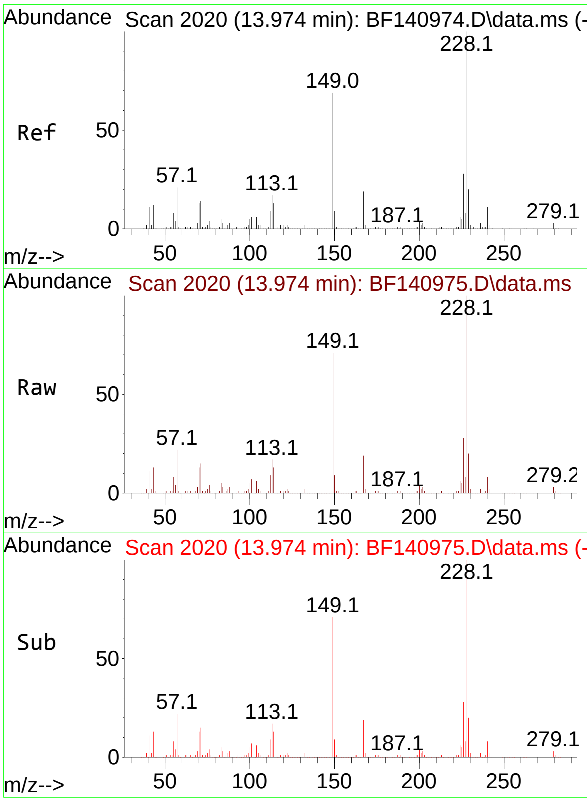
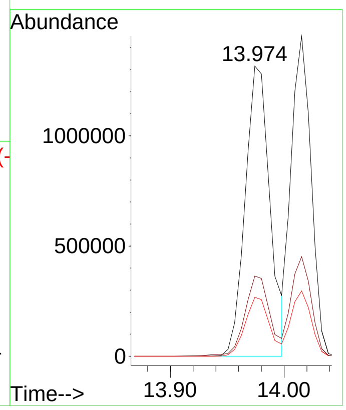
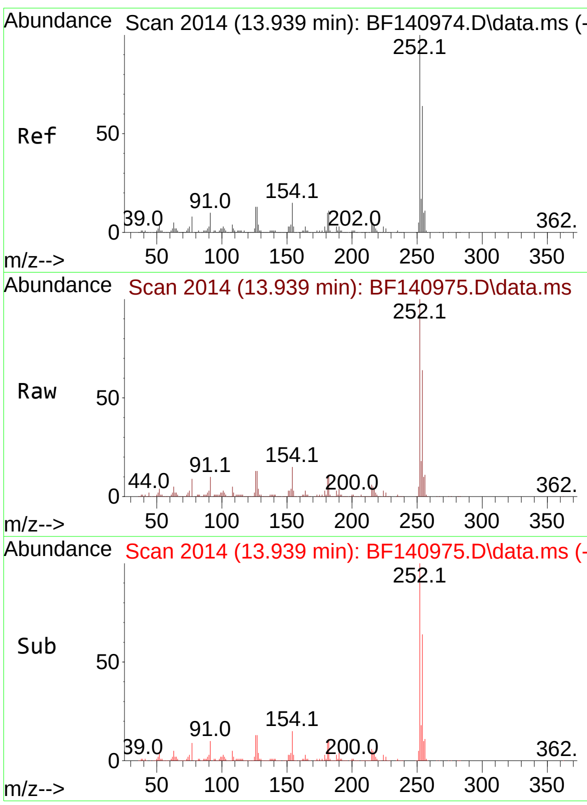


#81
Benzo(a)anthracene
Concen: 48.052 ng
RT: 13.974 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:228 Resp: 199173

Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.1	33.1
229	20.3	16.2	24.2

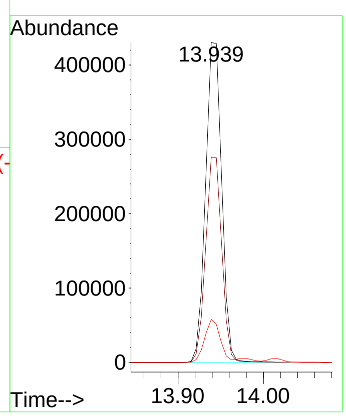




#82
3,3'-Dichlorobenzidine
Concen: 45.655 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:252 Resp: 568561

Ion	Ratio	Lower	Upper
252	100		
254	64.2	51.5	77.3
126	13.4	10.3	15.5

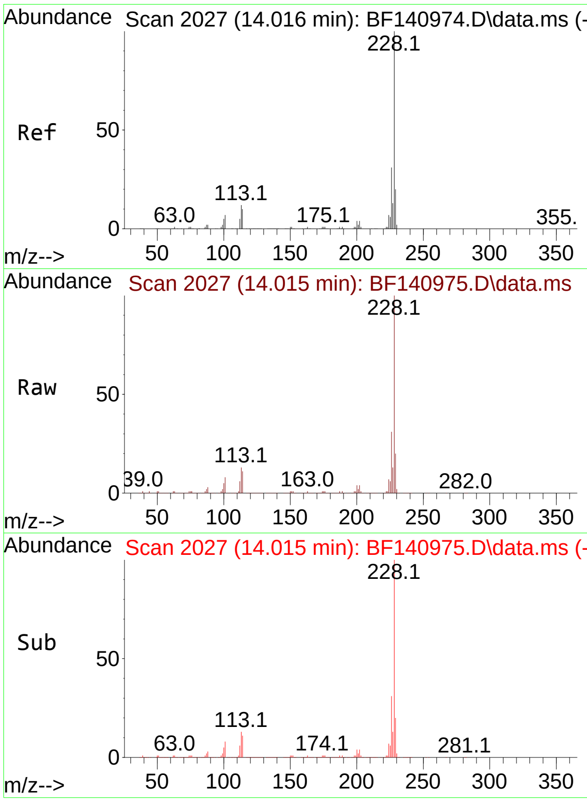


ICAL Form

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

Manual Integrations APPROVED

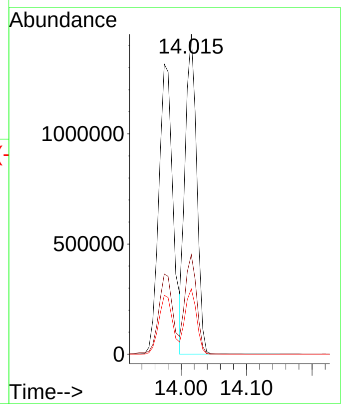
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

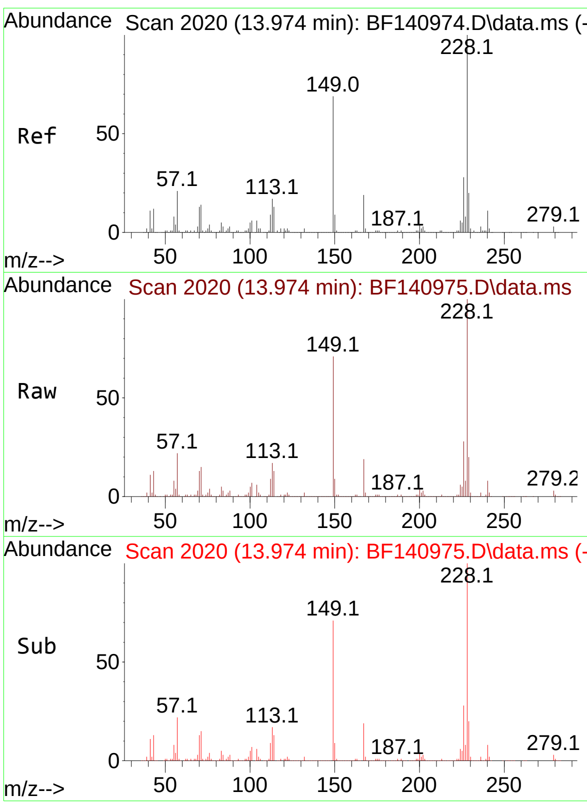


#83
Chrysene
Concen: 47.501 ng
RT: 14.015 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:228 Resp: 177490

Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.5	36.7
229	20.4	16.2	24.4

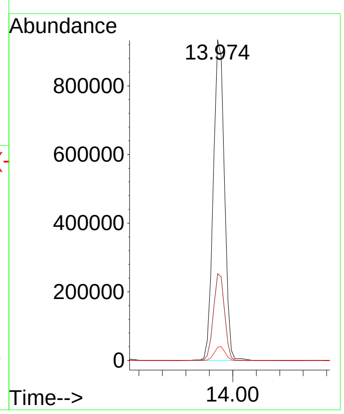


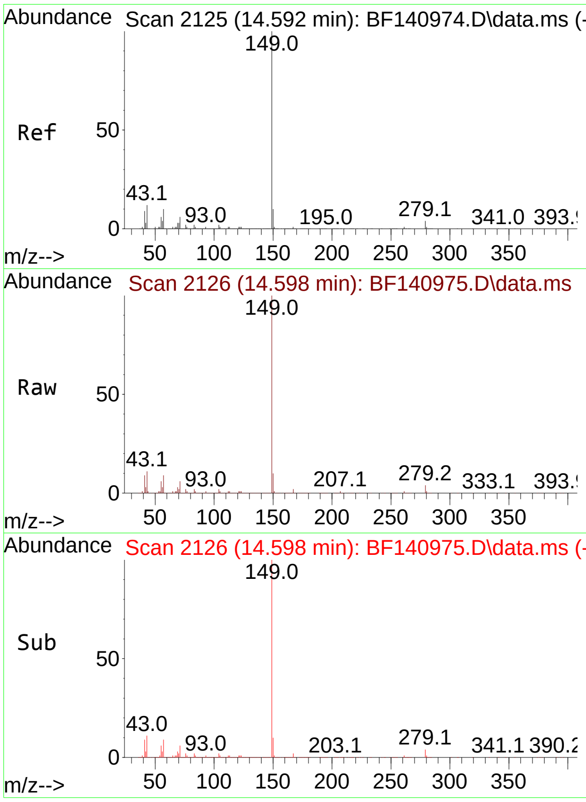


#84
Bis(2-ethylhexyl)phthalate
Concen: 49.929 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:149 Resp: 1230112

Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.6	32.4
279	4.1	3.2	4.8





#85
Di-n-octyl phthalate
Concen: 48.803 ng
RT: 14.598 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

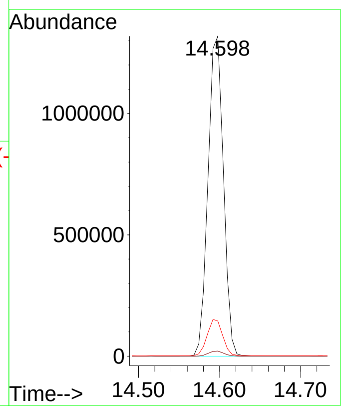
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

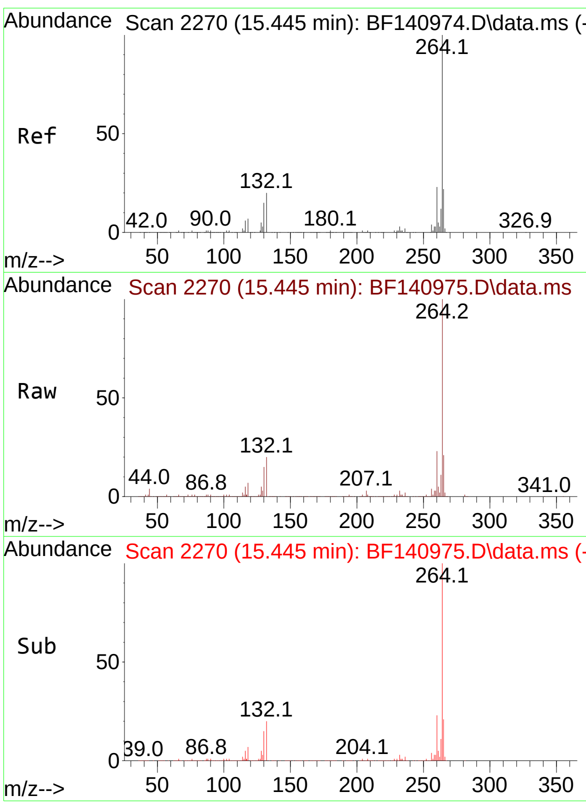
Tgt Ion:149 Resp: 174021

Ion	Ratio	Lower	Upper
149	100		
167	1.7	1.2	1.8
43	11.4	9.3	13.9

Manual Integrations APPROVED

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

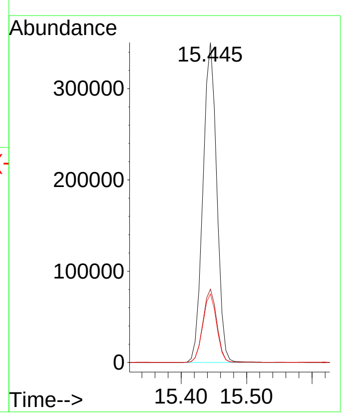


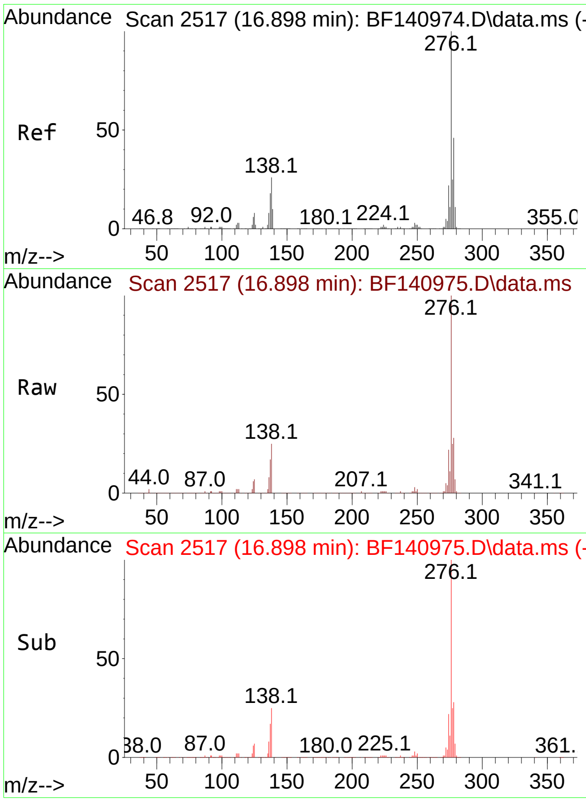


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2270
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:264 Resp: 515270

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.7	28.1
265	21.4	17.4	26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 55.447 ng
RT: 16.898 min Scan# 2!
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

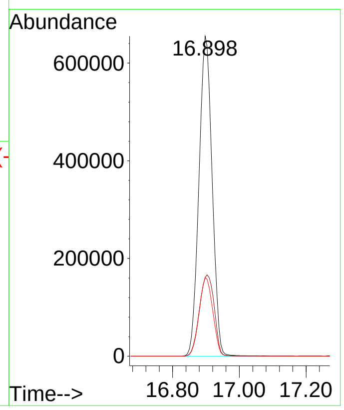
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

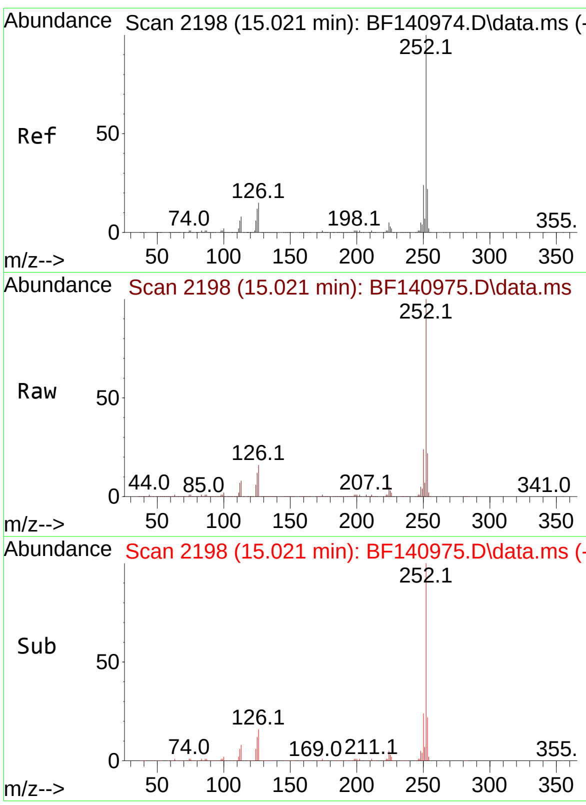
Tgt Ion:276 Resp: 179997

Ion	Ratio	Lower	Upper
276	100		
138	28.6	23.1	34.7
277	25.5	20.4	30.6

Manual Integrations
APPROVED

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

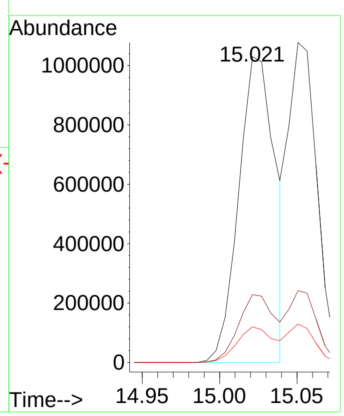




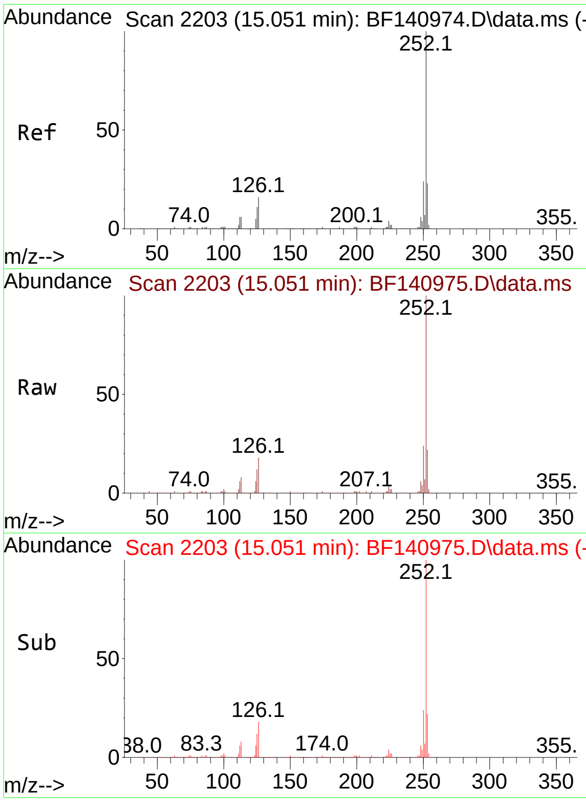
#88
Benzo(b)fluoranthene
Concen: 46.828 ng
RT: 15.021 min Scan# 2198
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:252 Resp: 1682869

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.7	26.5
125	11.7	9.3	13.9



ICAL Form



#89
Benzo(k)fluoranthene
Concen: 49.069 ng
RT: 15.051 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

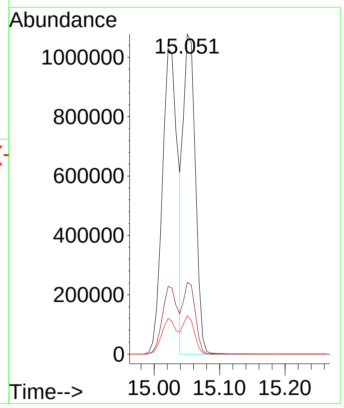
Instrument :
BNA_F
ClientSampleId :
SSTDICC050

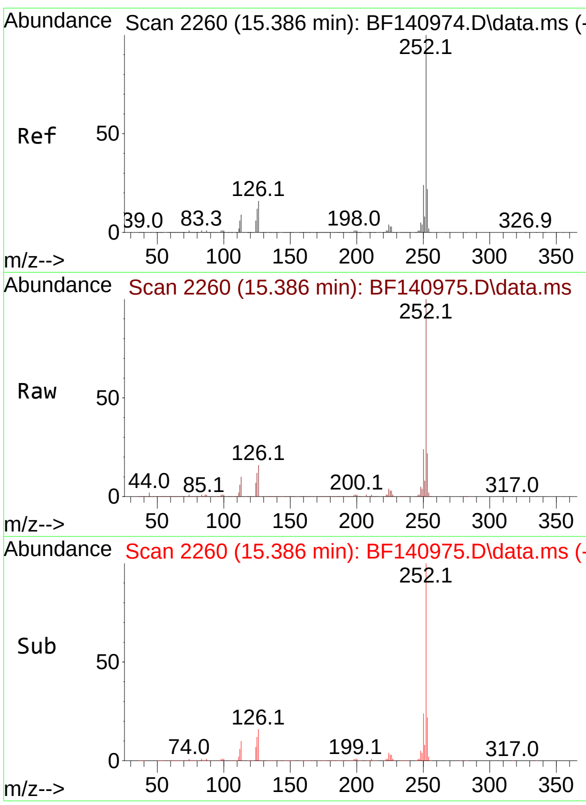
Tgt Ion:252 Resp: 138208

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.8
125	12.0	9.4	14.0

Manual Integrations APPROVED

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

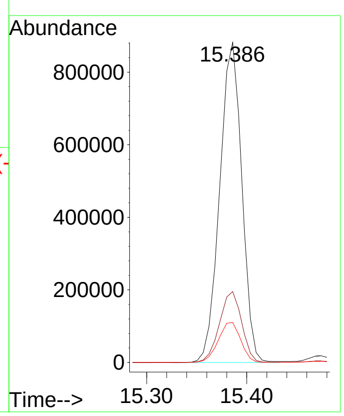


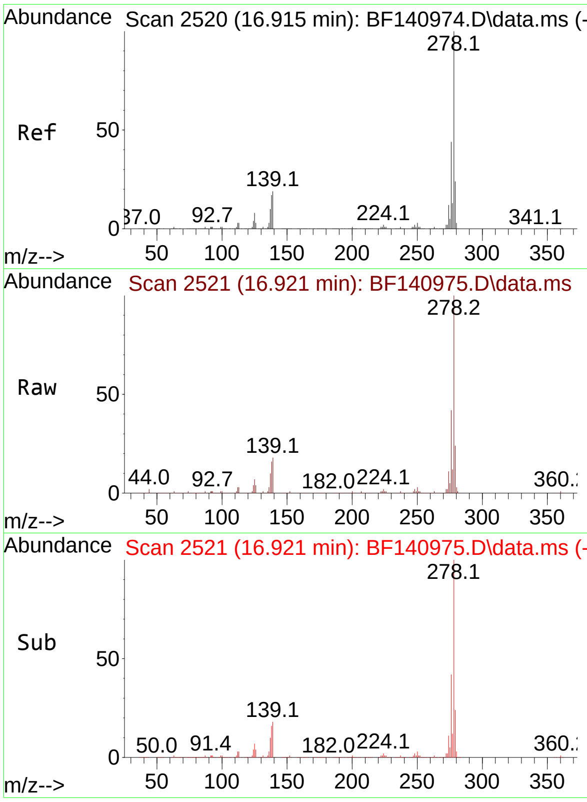


#90
Benzo(a)pyrene
Concen: 48.370 ng
RT: 15.386 min Scan# 2260
Delta R.T. -0.000 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:252 Resp: 1349208

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.2	25.8
125	12.5	9.8	14.8





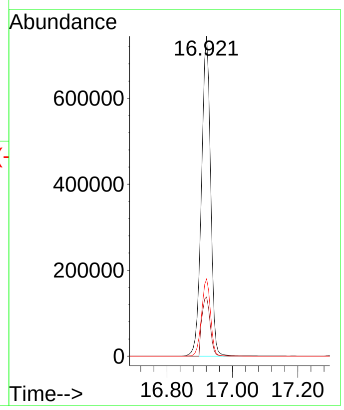
#91
Dibenzo(a,h)anthracene
Concen: 55.158 ng
RT: 16.921 min Scan# 2!
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

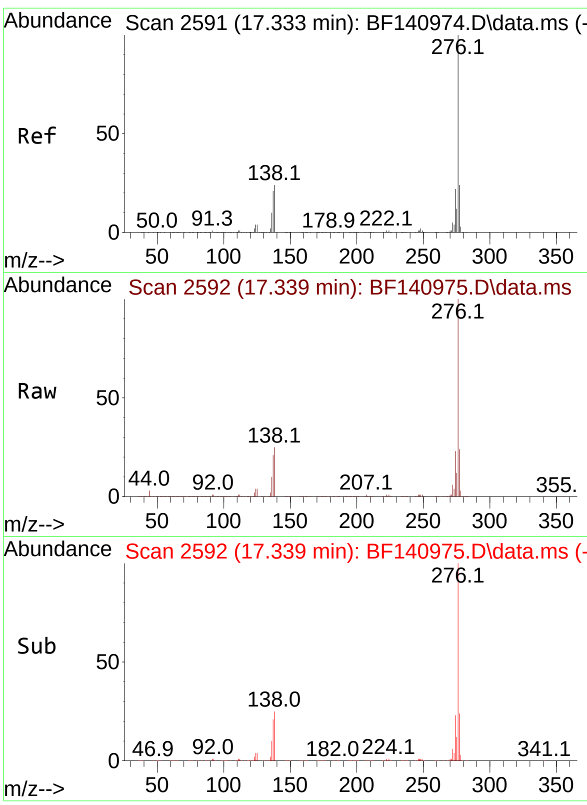
Tgt Ion:278 Resp: 145147

Ion	Ratio	Lower	Upper
278	100		
139	18.5	14.9	22.3
279	24.1	19.0	28.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC050

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

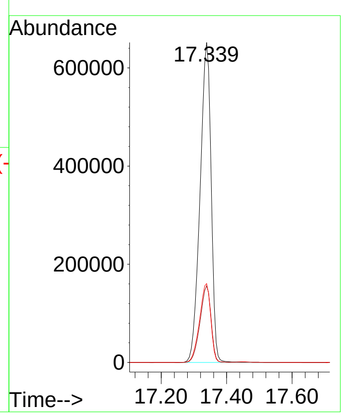




#92
Benzo(g,h,i)perylene
Concen: 56.337 ng
RT: 17.339 min Scan# 2592
Delta R.T. 0.006 min
Lab File: BF140975.D
Acq: 26 Dec 2024 18:33

Tgt Ion:276 Resp: 1537634

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.0	28.4
138	24.6	19.4	29.2



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140976.D
Acq On : 26 Dec 2024 18:59
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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

Quant Time: Dec 27 00:25:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:11:18 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	268664	20.000	ng	0.00
21) Naphthalene-d8	8.116	136	1029031	20.000	ng	0.00
39) Acenaphthene-d10	9.863	164	545680	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	952375	20.000	ng	0.00
76) Chrysene-d12	13.986	240	546797	20.000	ng	0.00
86) Perylene-d12	15.445	264	494154	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.434	112	1988304	111.557	ng	0.00
7) Phenol-d6	6.457	99	2600411	113.257	ng	0.00
23) Nitrobenzene-d5	7.398	82	2156825	134.096	ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	652968	123.146	ng	0.00
45) 2-Fluorobiphenyl	9.186	172	3609485	105.387	ng	0.00
79) Terphenyl-d14	12.939	244	4068426	123.586	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.557	88	473973	58.739	ng	99
3) Pyridine	3.304	79	1105688	56.070	ng	99
4) n-Nitrosodimethylamine	3.263	42	598427	59.893	ng	100
6) Aniline	6.528	93	1052307m	51.389	ng	
8) 2-Chlorophenol	6.616	128	1063361	56.588	ng	99
9) Benzaldehyde	6.381	77	619087	59.109	ng	99
10) Phenol	6.469	94	1365070	57.498	ng	97
11) bis(2-Chloroethyl)ether	6.569	93	1112573	58.092	ng	96
12) 1,3-Dichlorobenzene	6.769	146	1157733	55.826	ng	98
13) 1,4-Dichlorobenzene	6.851	146	1160534	55.512	ng	99
14) 1,2-Dichlorobenzene	7.004	146	1070694	54.930	ng	99
15) Benzyl Alcohol	6.969	79	944223	57.228	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.110	45	1624495	56.036	ng	100
17) 2-Methylphenol	7.075	107	893930	57.262	ng	98
18) Hexachloroethane	7.345	117	432447	58.230	ng	98
19) n-Nitroso-di-n-propyla...	7.251	70	792252	56.323	ng	99
20) 3+4-Methylphenols	7.234	107	1091707	55.260	ng	94
22) Acetophenone	7.245	105	1400933	55.496	ng	99
24) Nitrobenzene	7.416	77	1168779	65.032	ng	98
25) Isophorone	7.657	82	2034290	58.123	ng	100
26) 2-Nitrophenol	7.728	139	467251	61.735	ng	98
27) 2,4-Dimethylphenol	7.763	122	754114	58.955	ng	100
28) bis(2-Chloroethoxy)met...	7.863	93	1248974	56.322	ng	99
29) 2,4-Dichlorophenol	7.963	162	866778	59.747	ng	99
30) 1,2,4-Trichlorobenzene	8.051	180	943563	57.464	ng	99
31) Naphthalene	8.134	128	2998347	55.296	ng	99
32) Benzoic acid	7.886	122	681257	62.038	ng	98
33) 4-Chloroaniline	8.186	127	1133393	57.778	ng	99
34) Hexachlorobutadiene	8.251	225	561087	57.963	ng	100
35) Caprolactam	8.557	113	294367	59.682	ng	99
36) 4-Chloro-3-methylphenol	8.657	107	953935	59.209	ng	100
37) 2-Methylnaphthalene	8.822	142	1924796	55.487	ng	100
38) 1-Methylnaphthalene	8.922	142	1898518	55.689	ng	100
40) 1,2,4,5-Tetrachloroben...	8.986	216	860616	57.327	ng	100
41) Hexachlorocyclopentadiene	8.975	237	311667	62.648	ng	99
43) 2,4,6-Trichlorophenol	9.098	196	623356	62.389	ng	99

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140976.D
Acq On : 26 Dec 2024 18:59
Operator : RC/JU
Sample : SSTDICC060
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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

Quant Time: Dec 27 00:25:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:11:18 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.133	196	597336	58.429 ng		99
46) 1,1'-Biphenyl	9.286	154	2302280	55.102 ng		99
47) 2-Chloronaphthalene	9.310	162	1807450	55.777 ng		99
48) 2-Nitroaniline	9.404	65	538159	61.984 ng		97
49) Acenaphthylene	9.728	152	2603514	55.811 ng		99
50) Dimethylphthalate	9.592	163	2047854	57.054 ng		100
51) 2,6-Dinitrotoluene	9.651	165	455999	61.208 ng		99
52) Acenaphthene	9.898	154	1786036	56.633 ng		100
53) 3-Nitroaniline	9.816	138	498260	61.600 ng		98
54) 2,4-Dinitrophenol	9.916	184	160979	62.314 ng	#	13
55) Dibenzofuran	10.069	168	2477328	55.896 ng		99
56) 4-Nitrophenol	9.963	139	414262	67.472 ng		100
57) 2,4-Dinitrotoluene	10.051	165	568343	62.002 ng		99
58) Fluorene	10.416	166	1857483	54.047 ng		100
59) 2,3,4,6-Tetrachlorophenol	10.186	232	518034	61.184 ng		99
60) Diethylphthalate	10.292	149	2016065	56.895 ng		99
61) 4-Chlorophenyl-phenyle...	10.404	204	911842	55.139 ng		99
62) 4-Nitroaniline	10.433	138	492850	60.999 ng		98
63) Azobenzene	10.569	77	2116887	56.916 ng		99
65) 4,6-Dinitro-2-methylph...	10.457	198	244187	61.133 ng		99
66) n-Nitrosodiphenylamine	10.528	169	1699227	56.660 ng		99
67) 4-Bromophenyl-phenylether	10.898	248	568559	55.225 ng		97
68) Hexachlorobenzene	10.957	284	655571	57.748 ng		98
69) Atrazine	11.051	200	399874	47.727 ng		99
70) Pentachlorophenol	11.145	266	459586	65.024 ng		100
71) Phenanthrene	11.374	178	2736242	54.589 ng		99
72) Anthracene	11.427	178	2700285	54.978 ng		99
73) Carbazole	11.580	167	2591020	54.876 ng		99
74) Di-n-butylphthalate	11.916	149	2982533	55.537 ng		100
75) Fluoranthene	12.563	202	2957043	54.394 ng		99
77) Benzidine	12.680	184	840598	72.741 ng		99
78) Pyrene	12.792	202	3019750	63.146 ng		99
80) Butylbenzylphthalate	13.416	149	1164076	66.663 ng		99
81) Benzo(a)anthracene	13.974	228	2189499	57.454 ng		100
82) 3,3'-Dichlorobenzidine	13.945	252	633054	55.291 ng		99
83) Chrysene	14.015	228	1979370	57.618 ng		99
84) Bis(2-ethylhexyl)phtha...	13.974	149	1372706	60.602 ng		100
85) Di-n-octyl phthalate	14.592	149	1956498	59.679 ng		99
87) Indeno(1,2,3-cd)pyrene	16.898	276	2132438	68.495 ng		100
88) Benzo(b)fluoranthene	15.021	252	2019420	58.595 ng		100
89) Benzo(k)fluoranthene	15.051	252	1506683	55.778 ng		100
90) Benzo(a)pyrene	15.380	252	1578812	59.020 ng		98
91) Dibenzo(a,h)anthracene	16.921	278	1726815	68.425 ng		99
92) Benzo(g,h,i)perylene	17.339	276	1843269	70.421 ng		100

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

Quantitation Report   (QT Reviewed)

ICAL Form

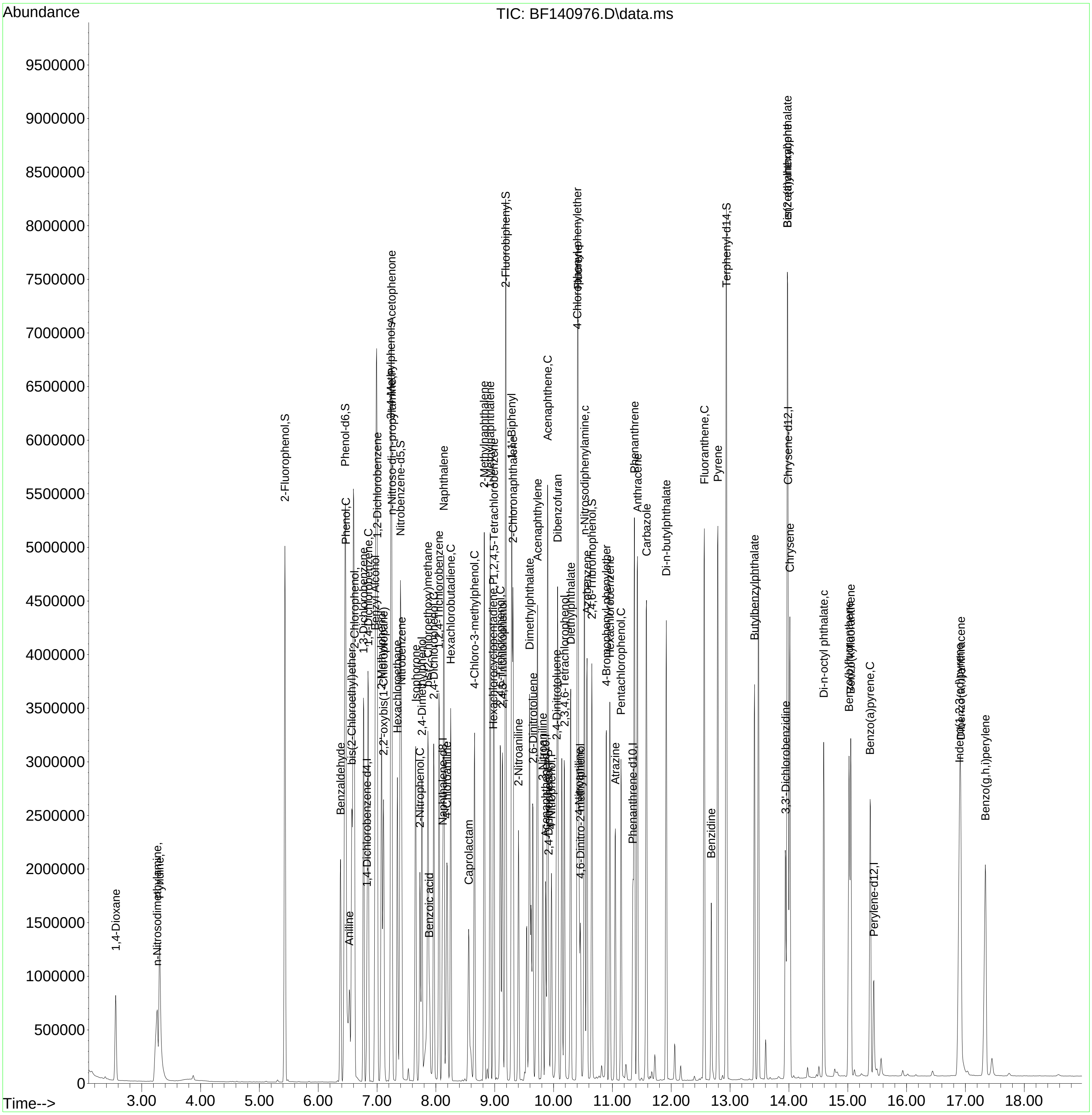
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140976.D
Acq On   : 26 Dec 2024 18:59
Operator : RC/JU
Sample   : SSTDICC060
Misc   :
ALS Vial : 8   Sample Multiplier: 1

Quant Time: Dec 27 00:25:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:11:18 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

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

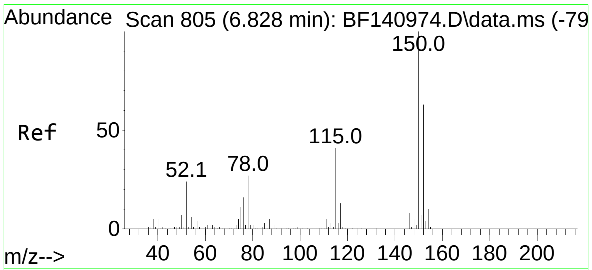


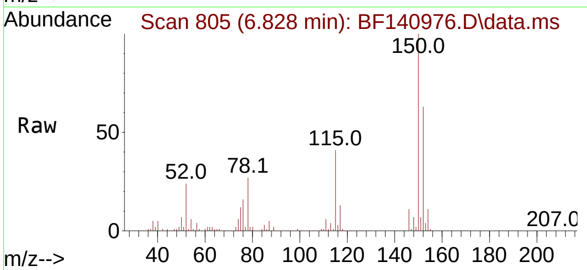
ICAL Form

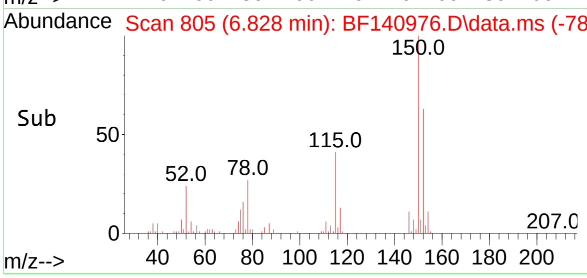
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations
APPROVED

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



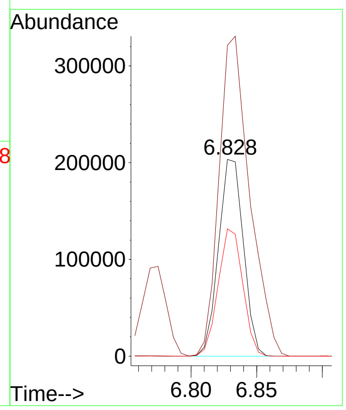


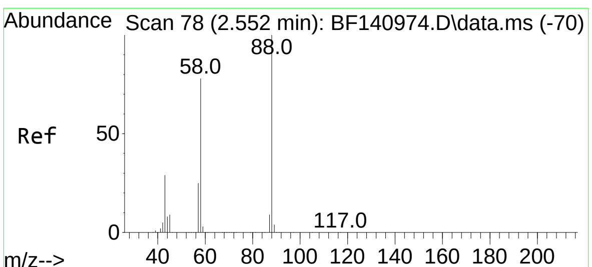


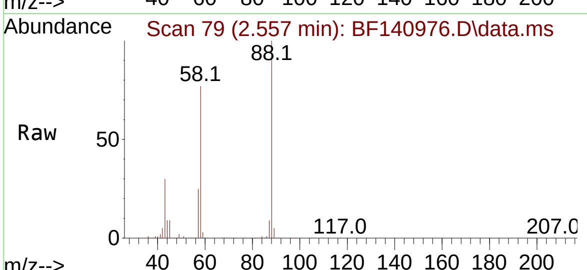
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

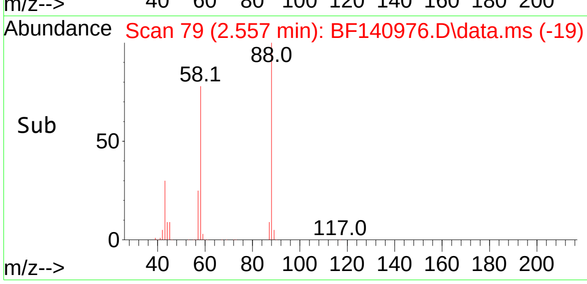
Tgt Ion:152 Resp: 26866

Ion	Ratio	Lower	Upper
152	100		
150	157.9	127.0	190.6
115	64.7	51.7	77.5





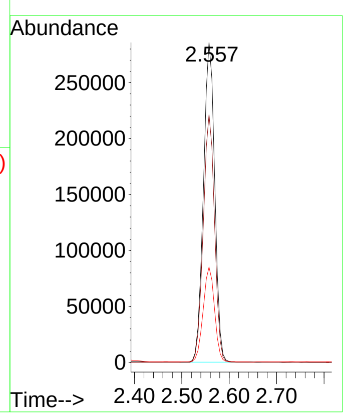




#2
1,4-Dioxane
Concen: 58.739 ng
RT: 2.557 min Scan# 79
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion: 88 Resp: 473973

Ion	Ratio	Lower	Upper
88	100		
58	77.7	63.0	94.4
43	29.8	23.4	35.2



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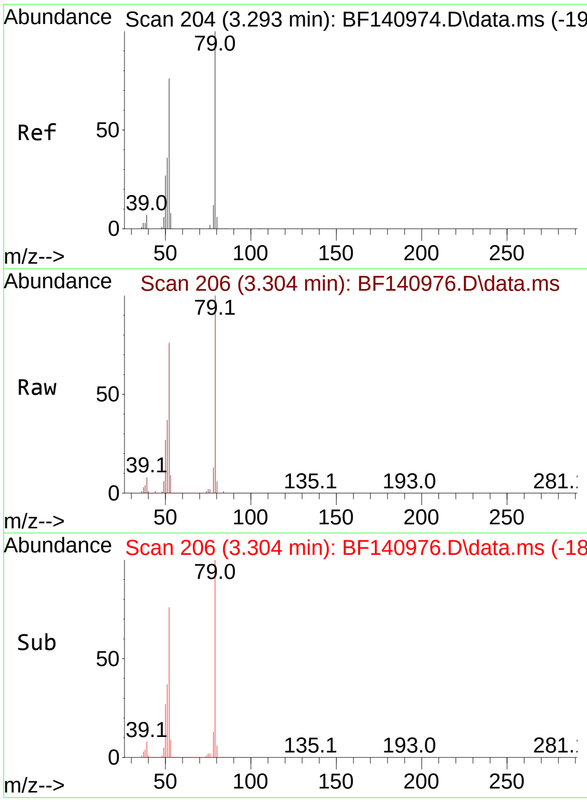

#3
Pyridine
Concen: 56.070 ng
RT: 3.304 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion: 79 Resp: 110568

Ion	Ratio	Lower	Upper
79	100		
52	76.1	60.4	90.6
51	37.0	28.8	43.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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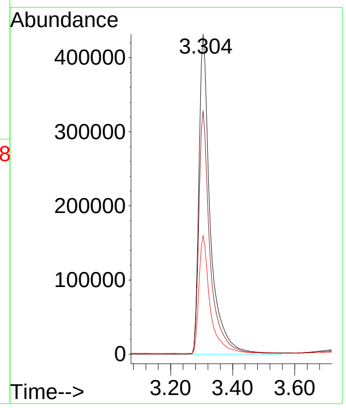
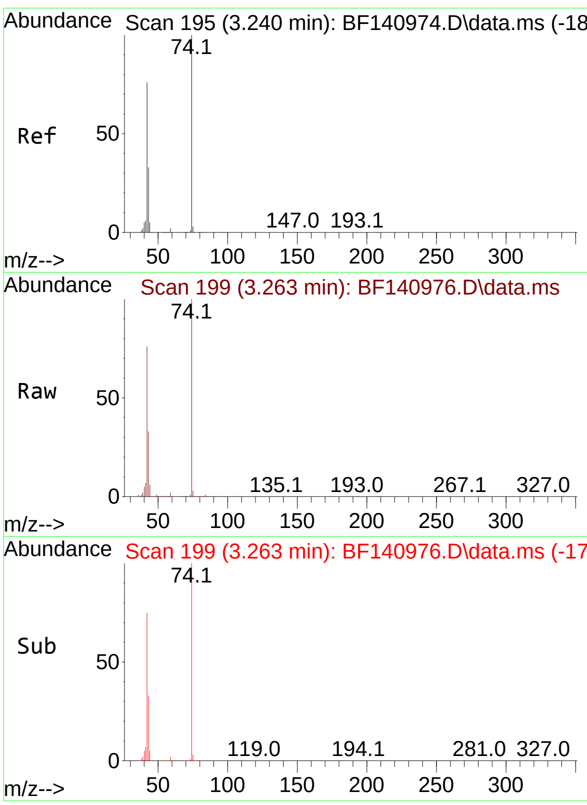
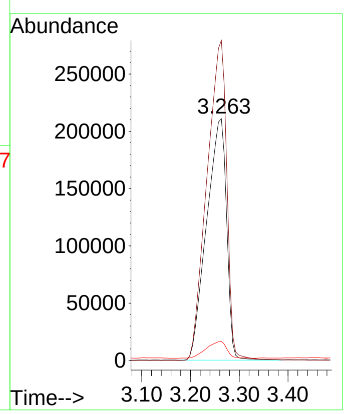




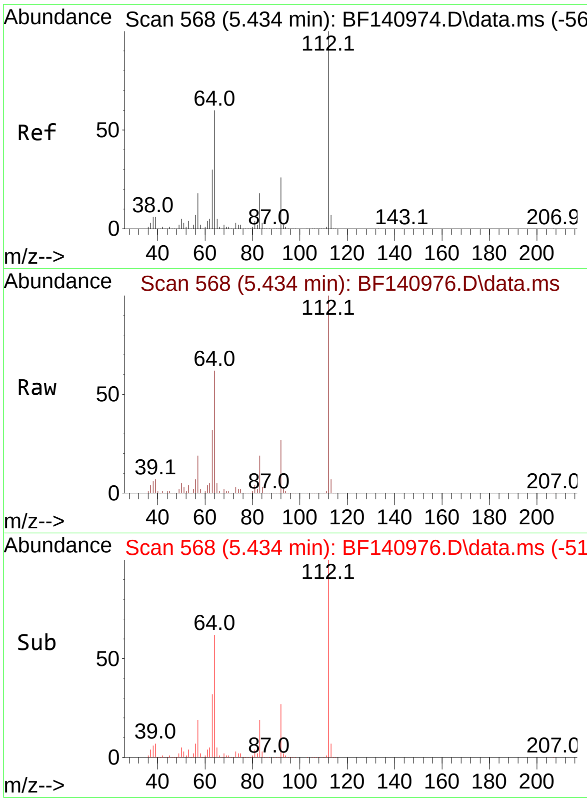
#4
n-Nitrosodimethylamine
Concen: 59.893 ng
RT: 3.263 min Scan# 199
Delta R.T. 0.023 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion: 42 Resp: 598427

Ion	Ratio	Lower	Upper
42	100		
74	132.3	105.8	158.6
44	7.9	6.6	10.0



ICAL Form



#5
2-Fluorophenol
Concen: 111.557 ng
RT: 5.434 min Scan# 5(
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:112 Resp: 198830

Ion	Ratio	Lower	Upper
112	100		
64	62.1	47.7	71.5
63	31.6	24.2	36.2

Instrument :
BNA_F
ClientSampleId :
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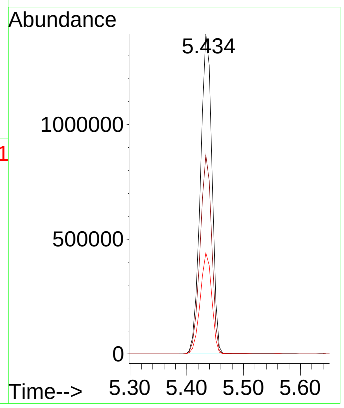
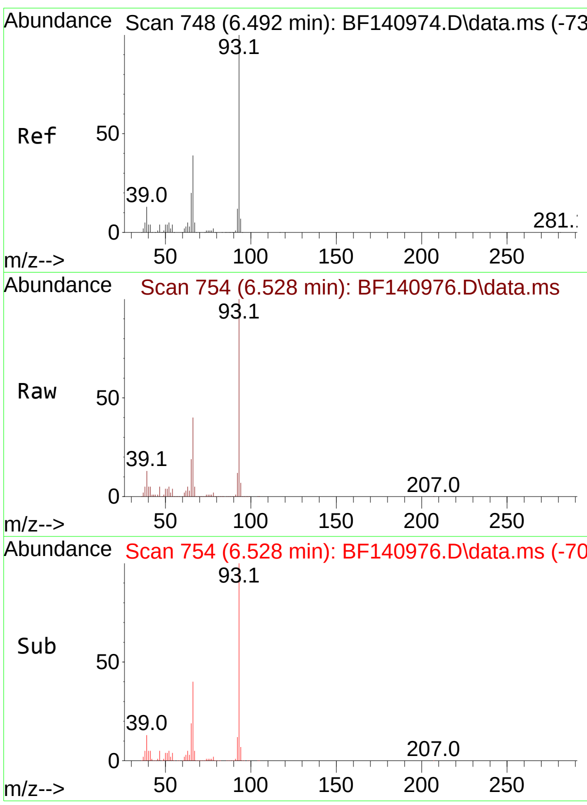
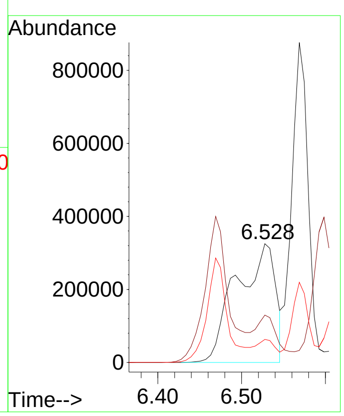




#6
Aniline
Concen: 51.389 ng m
RT: 6.528 min Scan# 754
Delta R.T. 0.018 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion: 93 Resp: 1052307

Ion	Ratio	Lower	Upper
93	100		
66	39.9	31.8	47.8
65	19.5	15.4	23.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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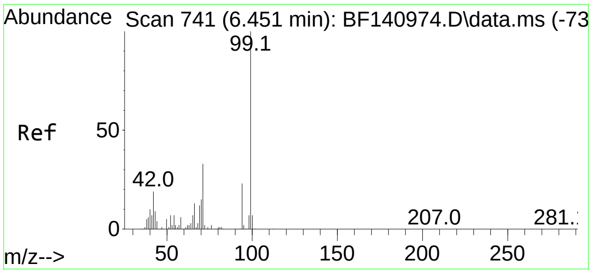
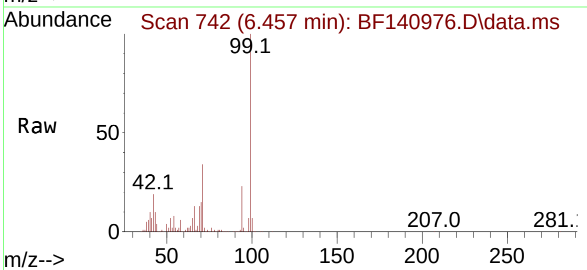
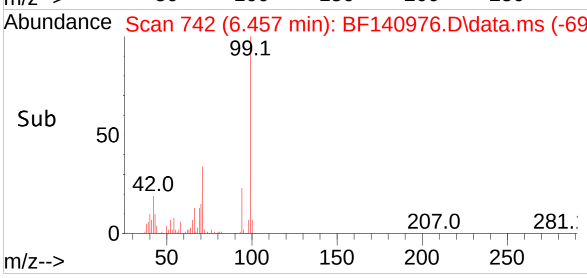


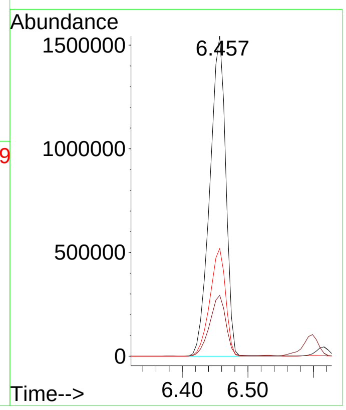


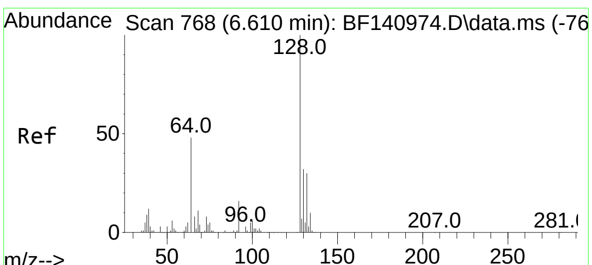


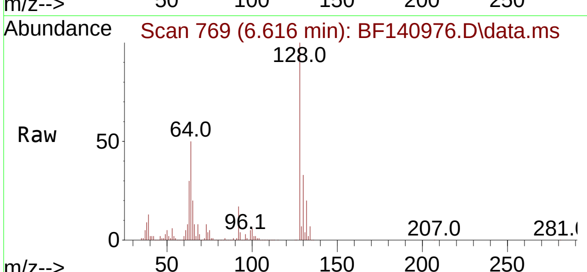
#7
Phenol-d6
Concen: 113.257 ng
RT: 6.457 min Scan# 74
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

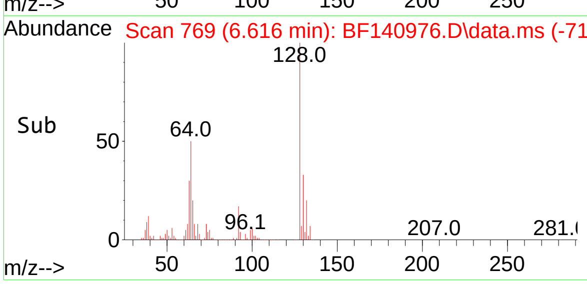
Tgt Ion: 99 Resp: 260041

Ion	Ratio	Lower	Upper
99	100		
42	19.0	15.0	22.4
71	33.7	26.2	39.2





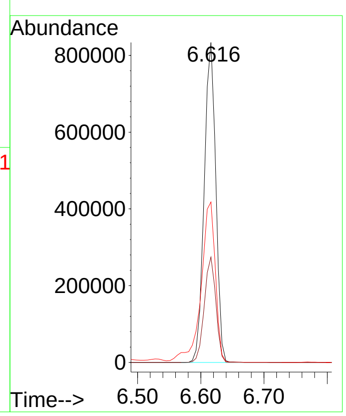




#8
2-Chlorophenol
Concen: 56.588 ng
RT: 6.616 min Scan# 769
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:128 Resp: 1063361

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.2	52.2
64	50.2	30.3	70.3



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Instrument :
BNA_F
ClientSampleId :
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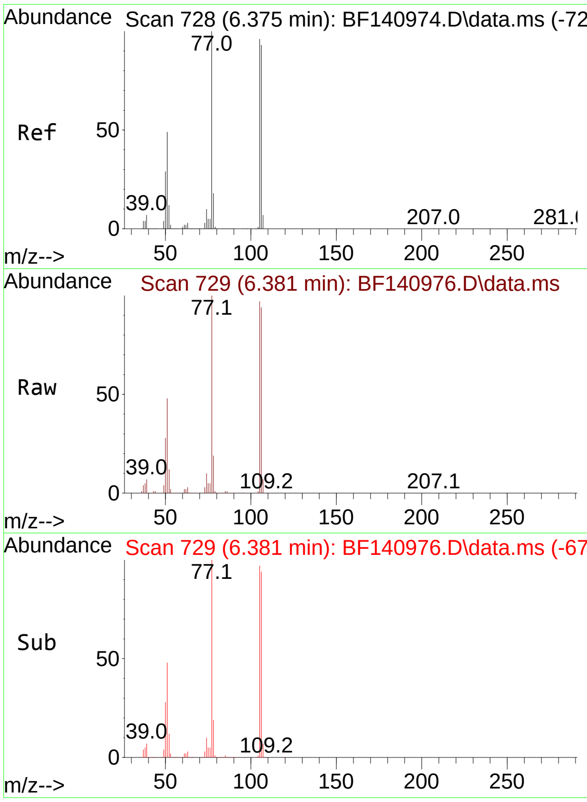
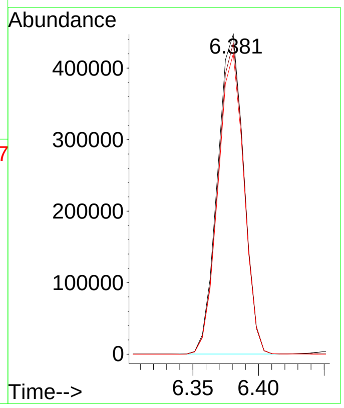
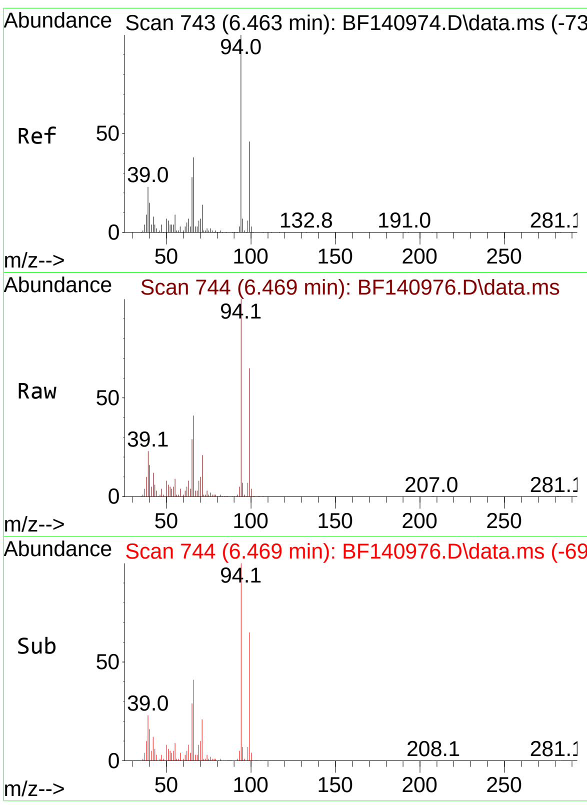


#9
Benzaldehyde
Concen: 59.109 ng
RT: 6.381 min Scan# 7
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion: 77 Resp: 61908

Ion	Ratio	Lower	Upper
77	100		
105	97.3	76.2	116.2
106	94.0	73.4	113.4

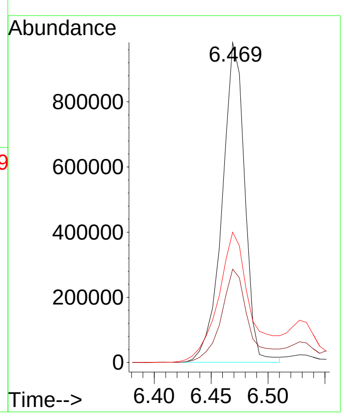




#10
Phenol
Concen: 57.498 ng
RT: 6.469 min Scan# 744
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion: 94 Resp: 1365070

Ion	Ratio	Lower	Upper
94	100		
65	29.1	8.1	48.1
66	40.7	18.7	58.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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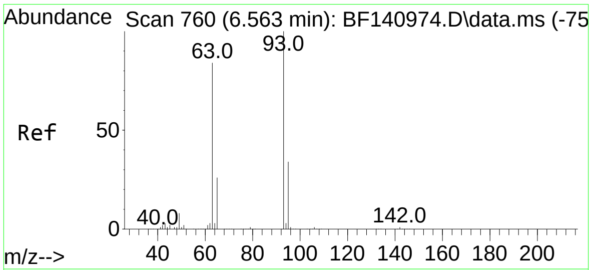
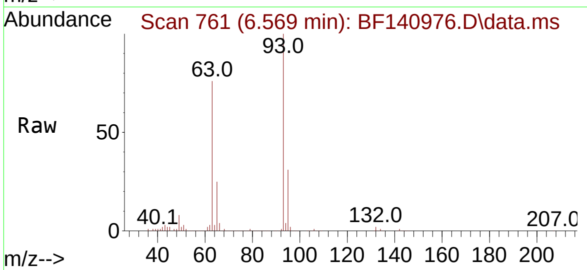
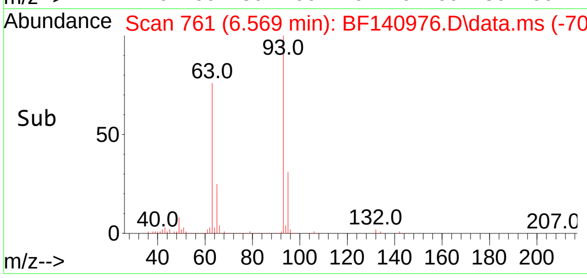


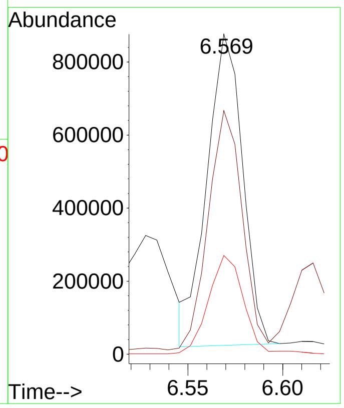


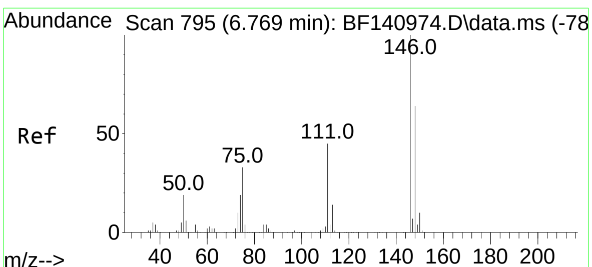


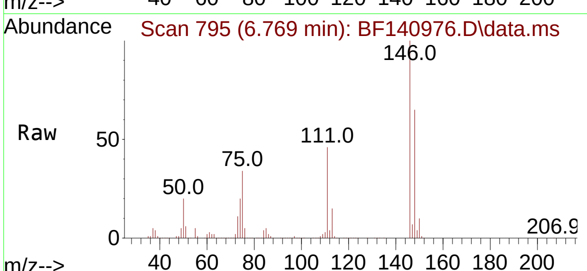
#11
bis(2-Chloroethyl)ether
Concen: 58.092 ng
RT: 6.569 min Scan# 7(
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

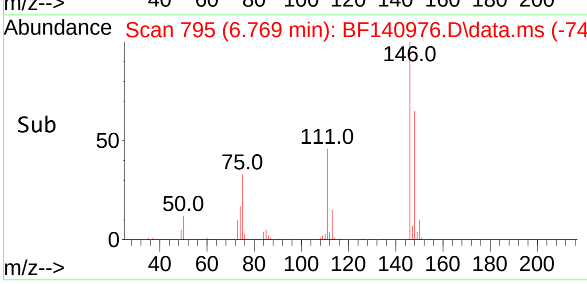
Tgt Ion: 93 Resp: 111257

Ion	Ratio	Lower	Upper
93	100		
63	76.1	60.3	100.3
95	30.9	12.2	52.2





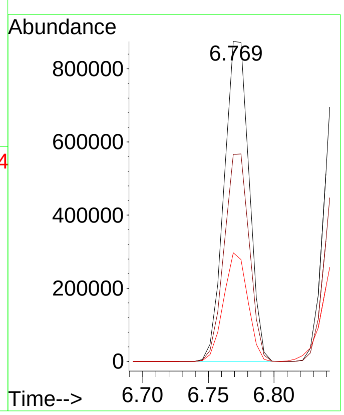


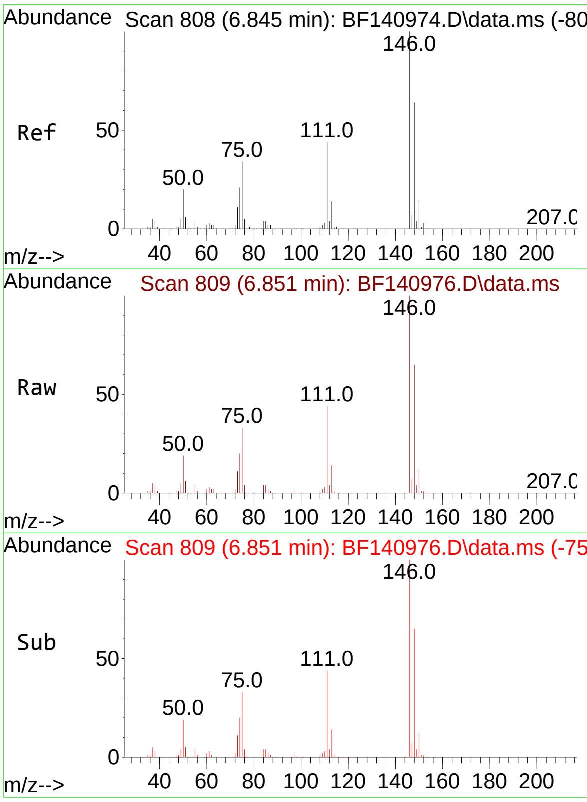


#12
1,3-Dichlorobenzene
Concen: 55.826 ng
RT: 6.769 min Scan# 795
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:146 Resp: 1157733

Ion	Ratio	Lower	Upper
146	100		
148	64.7	51.0	76.4
75	33.9	26.1	39.1





#13
1,4-Dichlorobenzene
Concen: 55.512 ng
RT: 6.851 min Scan# 809
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument : BNA_F
ClientSampleId : SSTDICC060

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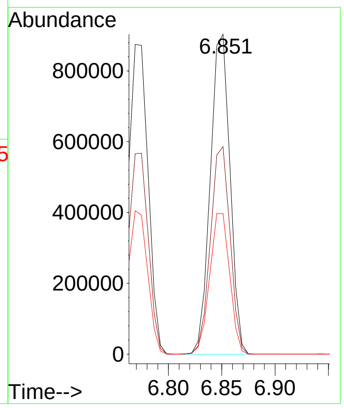
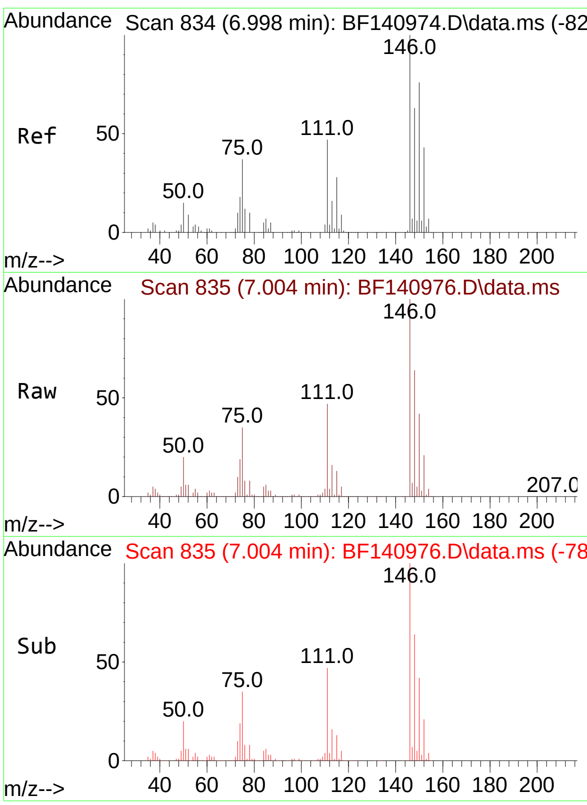
Tgt Ion:146 Resp: 1160534

Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.3	76.9
111	43.9	35.3	52.9

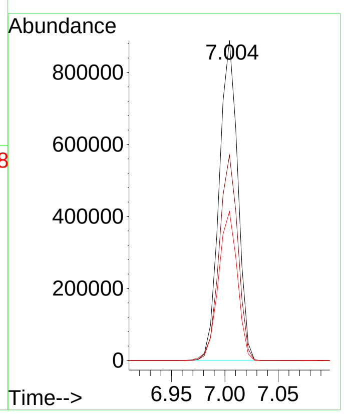




#14
1,2-Dichlorobenzene
Concen: 54.930 ng
RT: 7.004 min Scan# 835
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:146 Resp: 1070694

Ion	Ratio	Lower	Upper
146	100		
148	64.2	50.6	76.0
111	46.6	37.3	55.9



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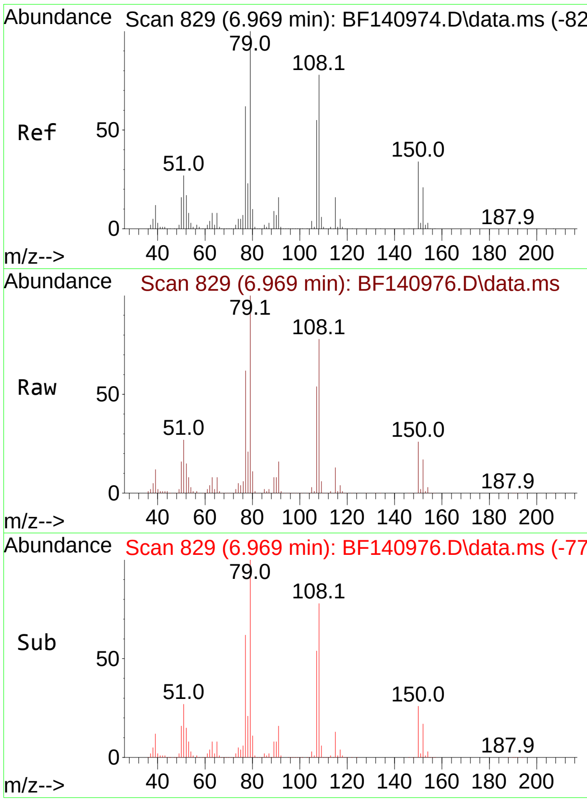

#15
Benzyl Alcohol
Concen: 57.228 ng
RT: 6.969 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 79 Resp: 94422

Ion	Ratio	Lower	Upper
79	100		
108	77.5	62.5	93.7
77	62.2	49.3	73.9

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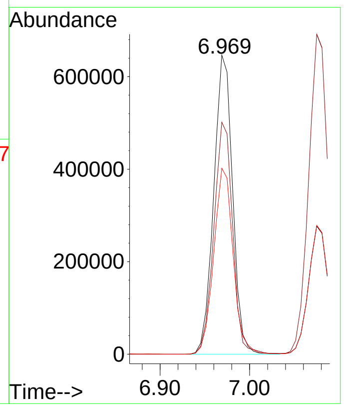
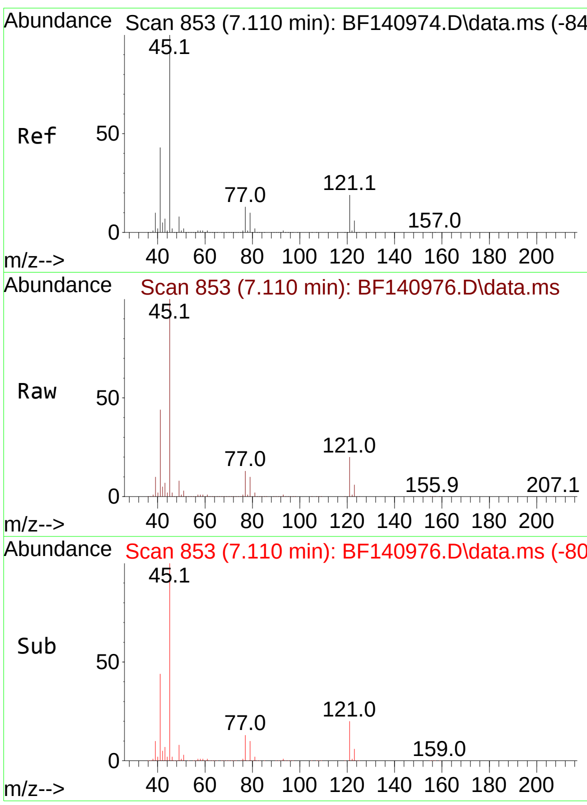
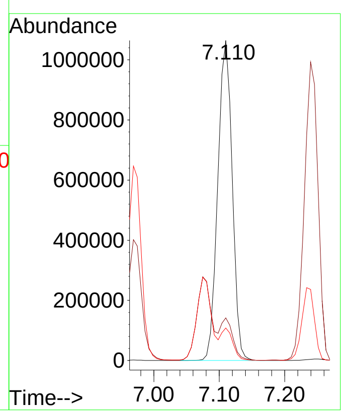




#16
2,2'-oxybis(1-Chloropropane)
Concen: 56.036 ng
RT: 7.110 min Scan# 853
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion: 45 Resp: 1624495

Ion	Ratio	Lower	Upper
45	100		
77	13.3	0.0	33.1
79	10.2	0.0	30.1



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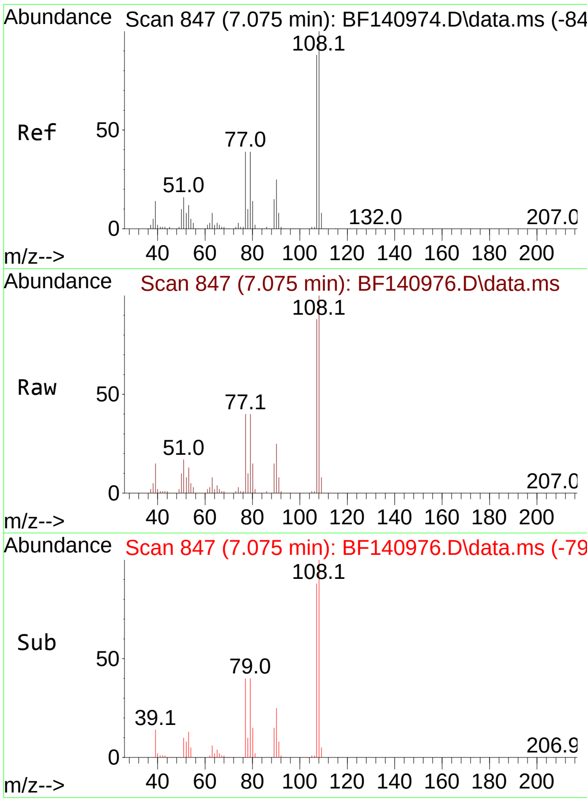
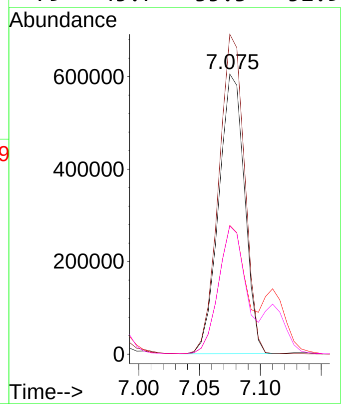


#17
2-Methylphenol
Concen: 57.262 ng
RT: 7.075 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:107 Resp: 89393

Ion	Ratio	Lower	Upper
107	100		
108	114.2	90.6	136.0
77	46.0	35.3	52.9
79	45.7	35.3	52.9



Instrument :
BNA_F
ClientSampleId :
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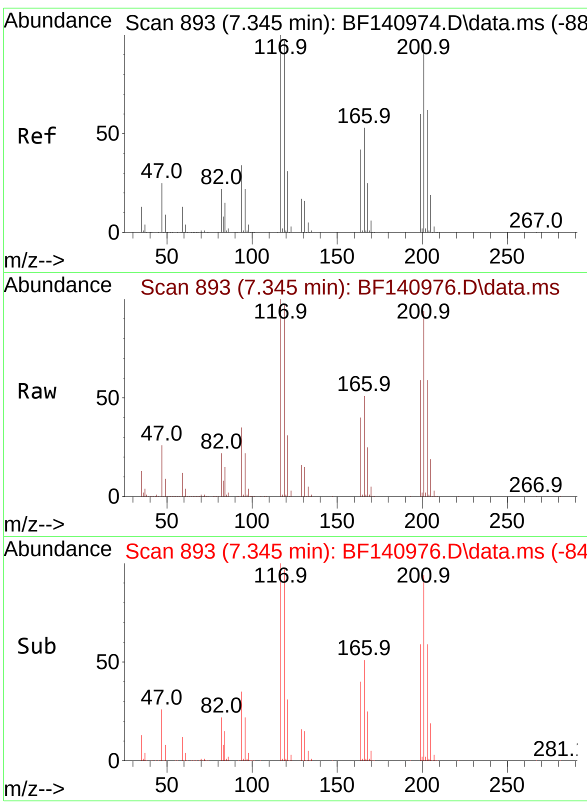
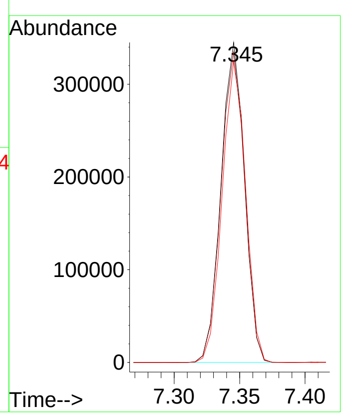


#18
Hexachloroethane
Concen: 58.230 ng
RT: 7.345 min Scan# 893
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:117 Resp: 432447

Ion	Ratio	Lower	Upper
117	100		
119	97.1	77.5	116.3
201	94.0	77.4	116.2



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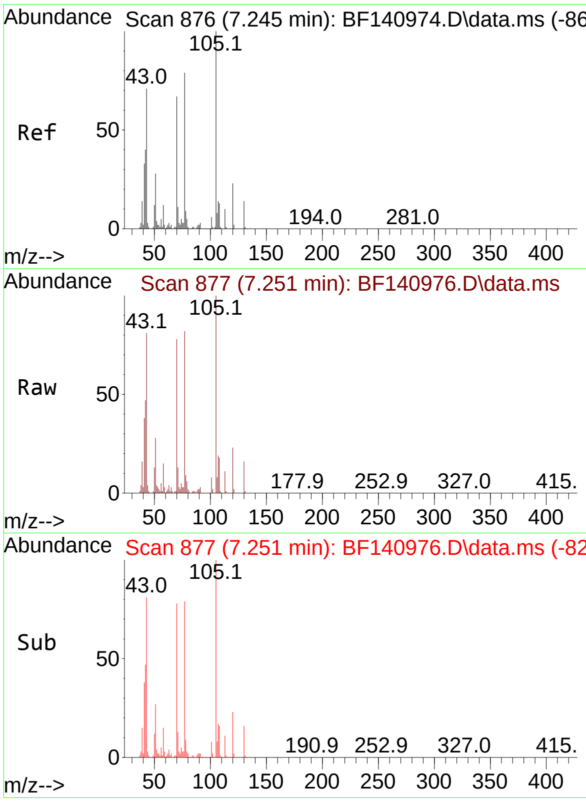

#19
n-Nitroso-di-n-propylamine
Concen: 56.323 ng
RT: 7.251 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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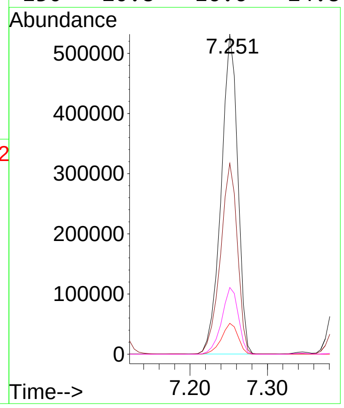
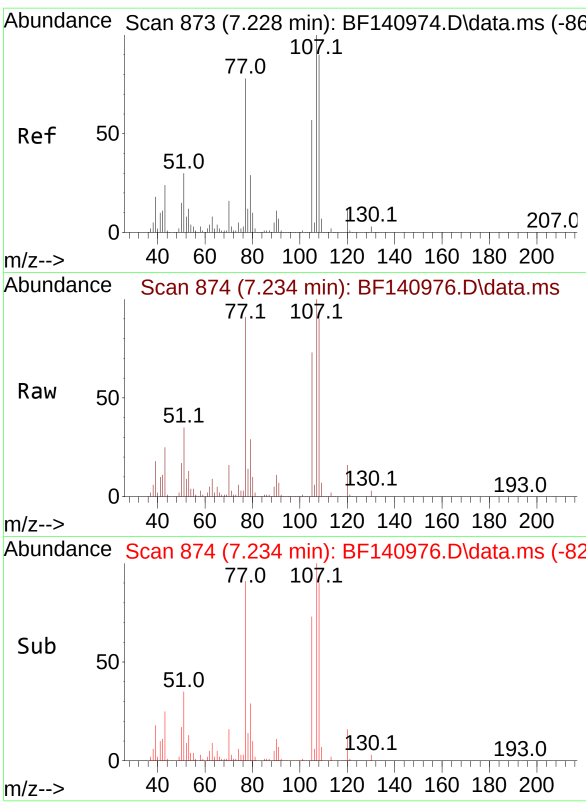
Tgt Ion: 70 Resp: 79225

Ion	Ratio	Lower	Upper
70	100		
42	59.7	48.1	72.1
101	9.7	7.6	11.4
130	20.8	16.6	24.8

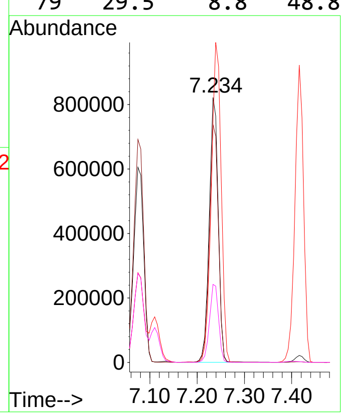




#20
3+4-Methylphenols
Concen: 55.260 ng
RT: 7.234 min Scan# 874
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:107 Resp: 1091707

Ion	Ratio	Lower	Upper
107	100		
108	89.8	69.6	109.6
77	91.0	57.6	97.6
79	29.5	8.8	48.8



ICAL Form

Instrument :
BNA_F
ClientSampleId :
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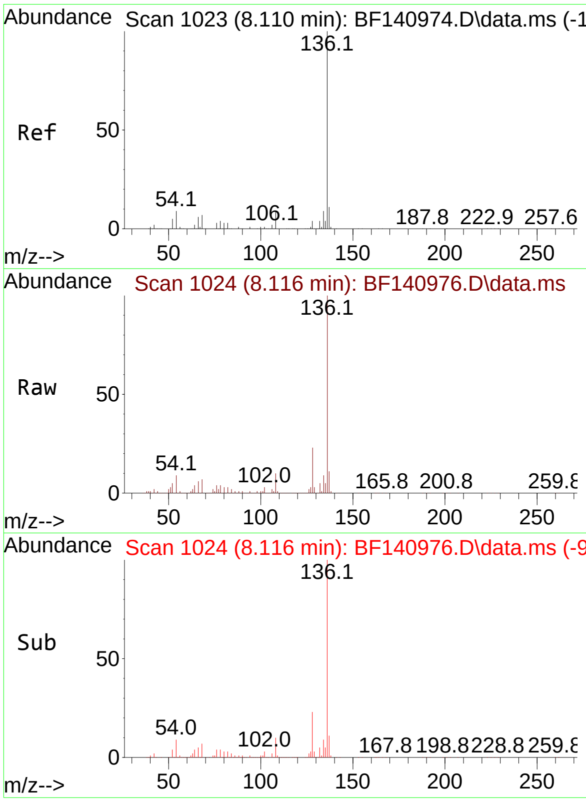
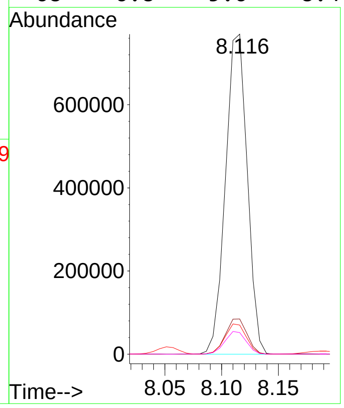
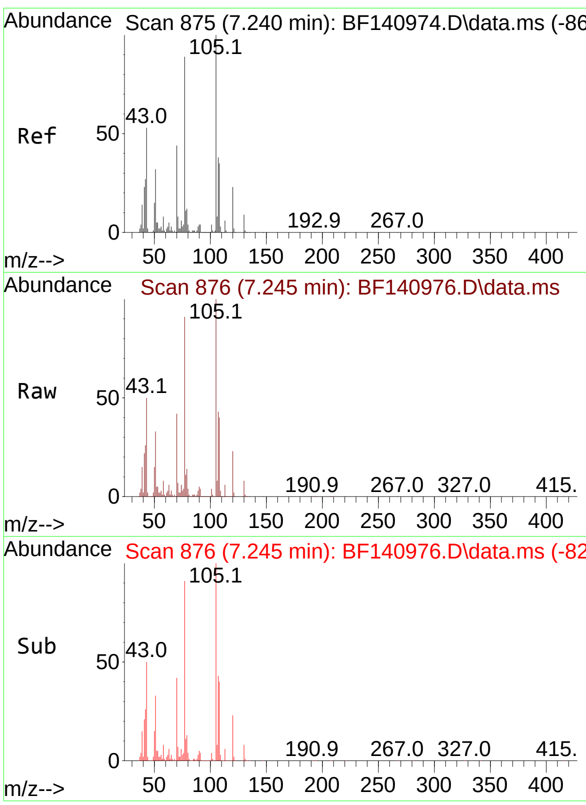


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1(
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:136 Resp: 102903

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	9.1	7.6	11.4
68	6.8	5.6	8.4

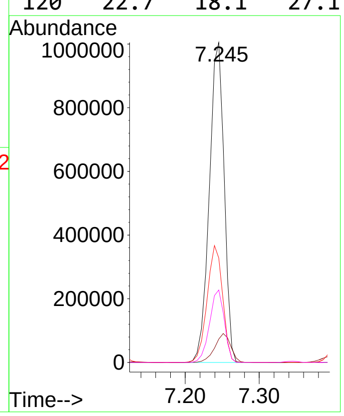




#22
Acetophenone
Concen: 55.496 ng
RT: 7.245 min Scan# 876
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:105 Resp: 1400933

Ion	Ratio	Lower	Upper
105	100		
71	7.3	6.1	9.1
51	32.7	25.8	38.6
120	22.7	18.1	27.1



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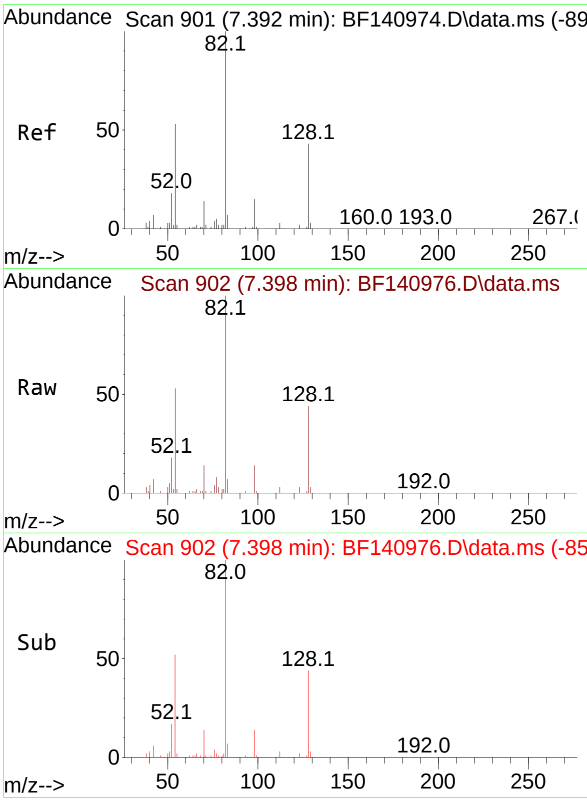
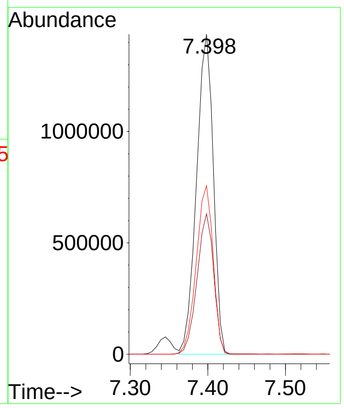


#23
Nitrobenzene-d5
Concen: 134.096 ng
RT: 7.398 min Scan# 90
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion: 82 Resp: 215682

Ion	Ratio	Lower	Upper
82	100		
128	43.9	34.4	51.6
54	52.7	42.4	63.6



Instrument :
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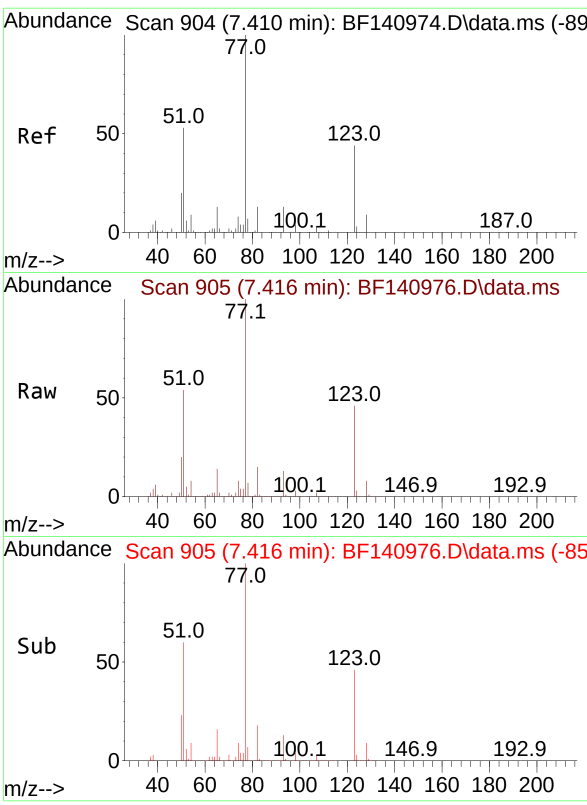
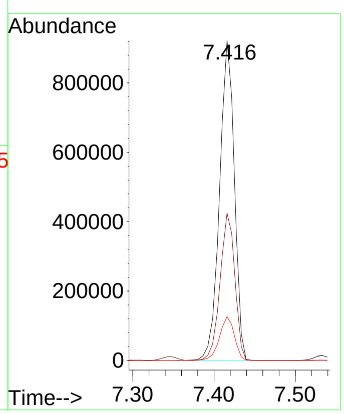
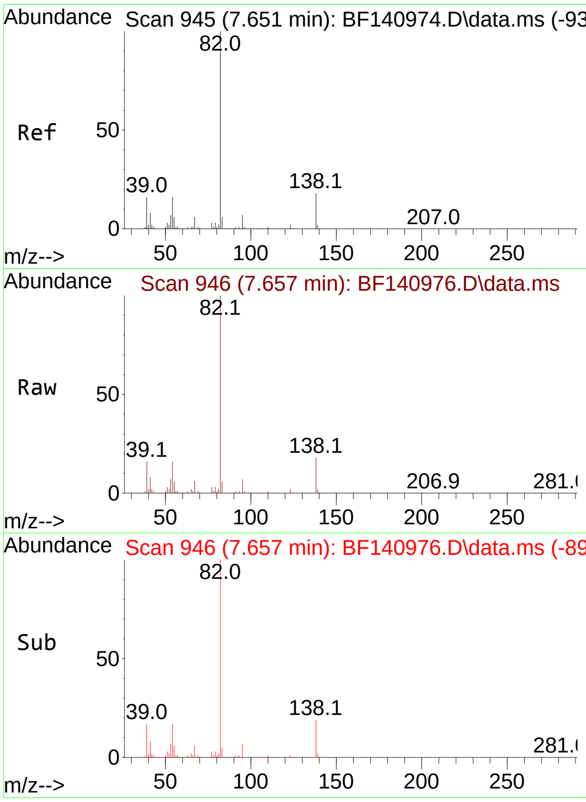


#24
Nitrobenzene
Concen: 65.032 ng
RT: 7.416 min Scan# 905
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion: 77 Resp: 1168779

Ion	Ratio	Lower	Upper
77	100		
123	46.1	35.4	53.2
65	13.7	10.7	16.1





#25
Isophorone
Concen: 58.123 ng
RT: 7.657 min Scan# 94
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion: 82 Resp: 2034290

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.6	8.4
138	18.1	14.6	21.8

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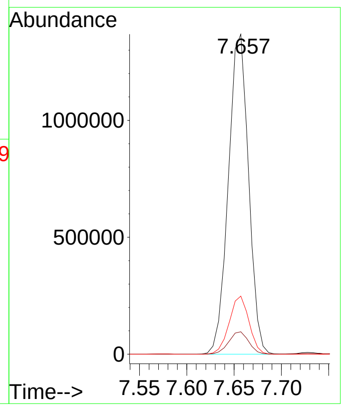
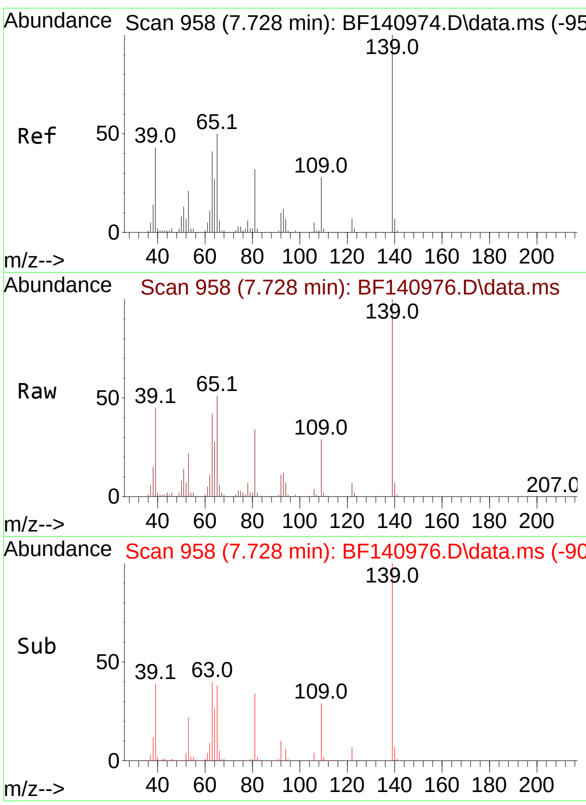
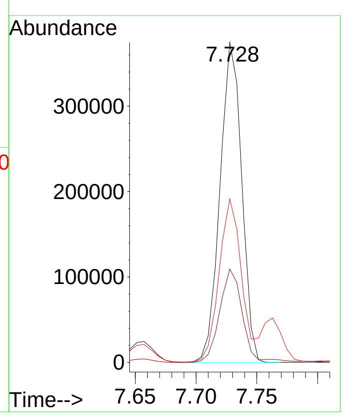




#26
2-Nitrophenol
Concen: 61.735 ng
RT: 7.728 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:139 Resp: 467251

Ion	Ratio	Lower	Upper
139	100		
109	29.2	22.2	33.4
65	51.1	40.2	60.4



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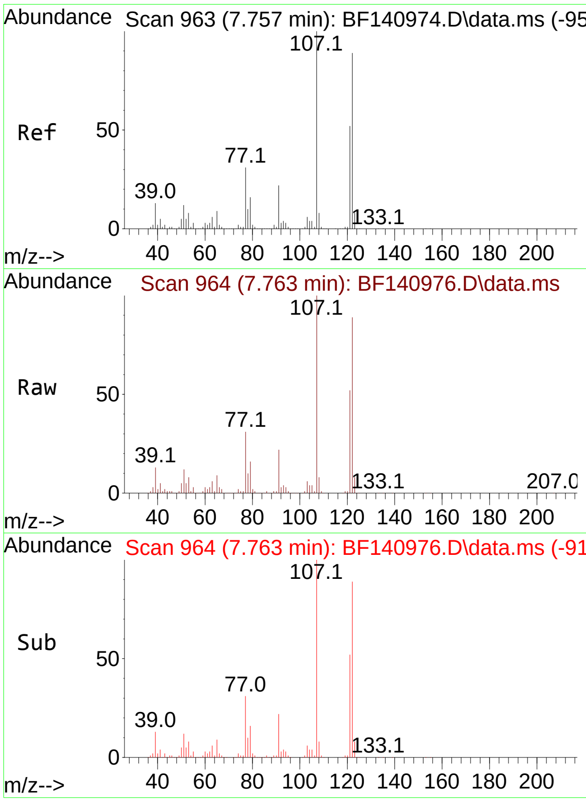

#27
2,4-Dimethylphenol
Concen: 58.955 ng
RT: 7.763 min Scan# 9
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:122 Resp: 75411

Ion	Ratio	Lower	Upper
122	100		
107	111.8	89.4	134.2
121	58.1	46.7	70.1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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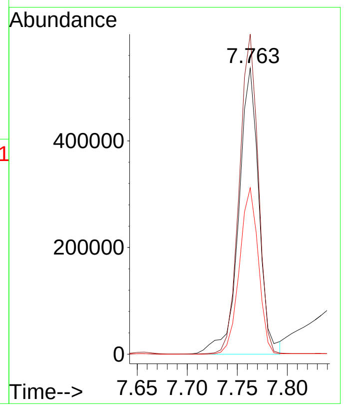
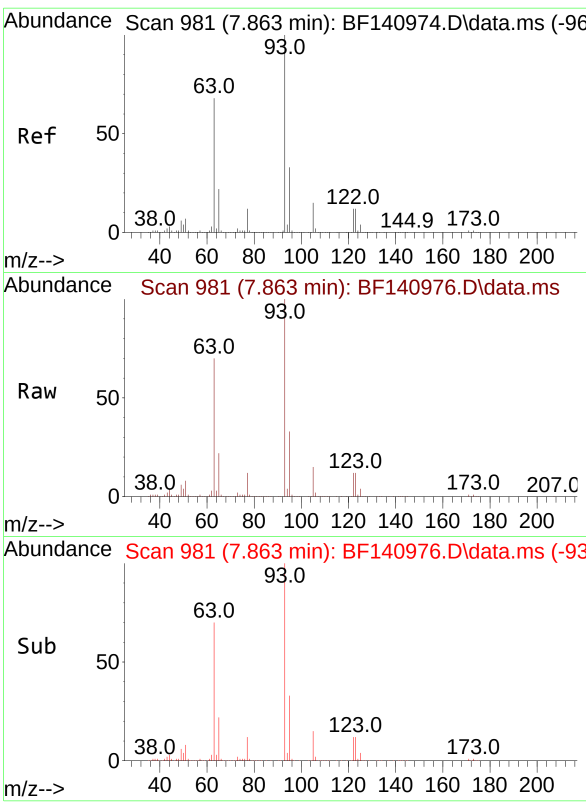
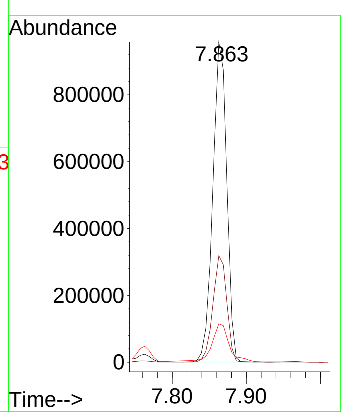


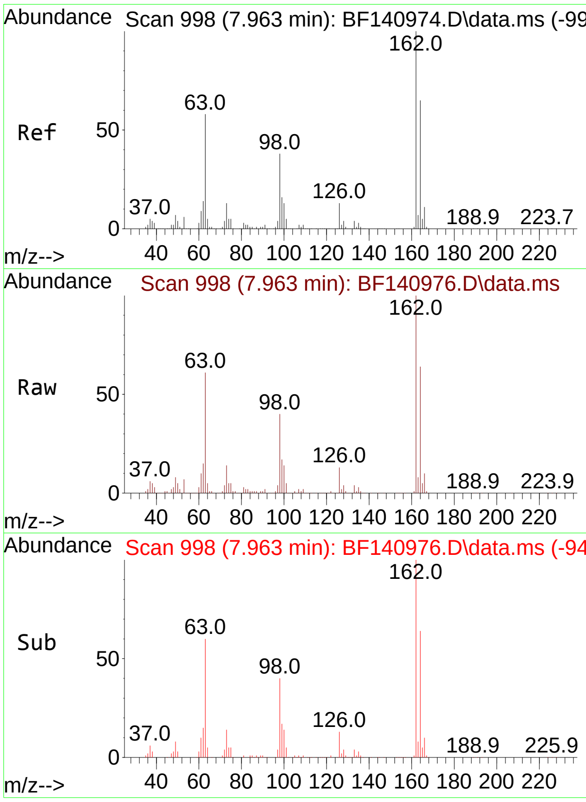


#28
bis(2-Chloroethoxy)methane
Concen: 56.322 ng
RT: 7.863 min Scan# 981
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion: 93 Resp: 1248974

Ion	Ratio	Lower	Upper
93	100		
95	33.3	26.2	39.4
123	12.0	9.9	14.9





#29
2,4-Dichlorophenol
Concen: 59.747 ng
RT: 7.963 min Scan# 99
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 86677

Ion	Ratio	Lower	Upper
162	100		
164	64.1	44.8	84.8
98	40.0	18.6	58.6

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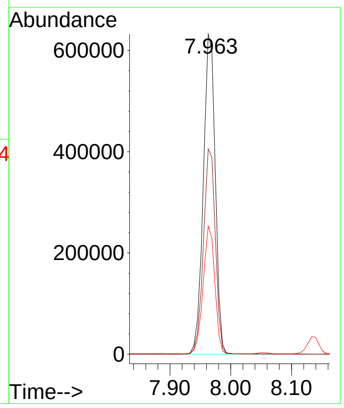
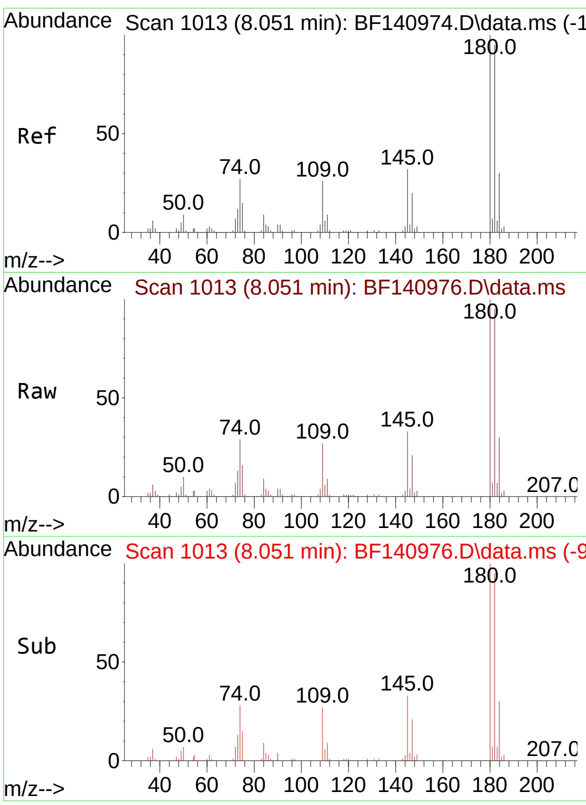
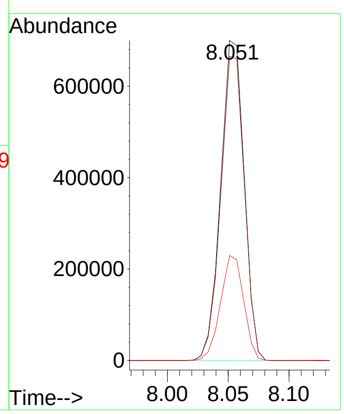




#30
1,2,4-Trichlorobenzene
Concen: 57.464 ng
RT: 8.051 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:180 Resp: 943563

Ion	Ratio	Lower	Upper
180	100		
182	95.0	76.2	114.4
145	32.8	25.4	38.2



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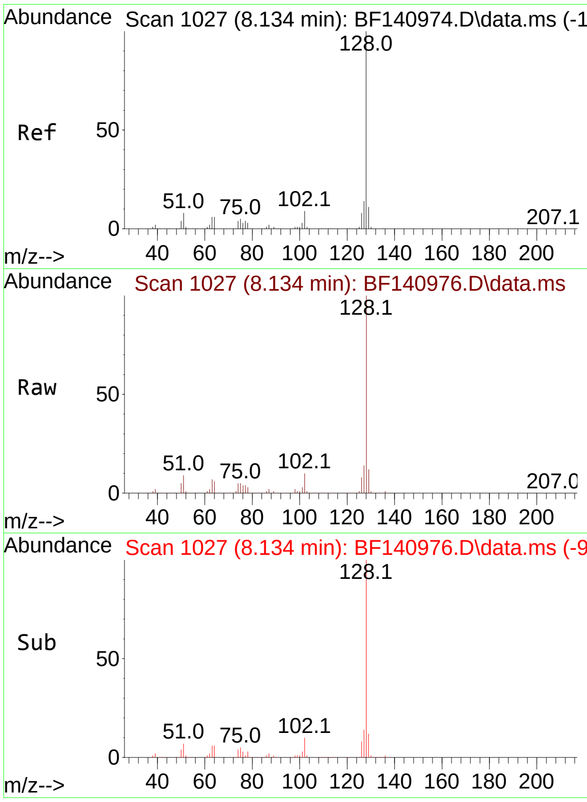

#31
Naphthalene
Concen: 55.296 ng
RT: 8.134 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:128 Resp: 299834

Ion	Ratio	Lower	Upper
128	100		
129	11.8	9.2	13.8
127	13.9	11.0	16.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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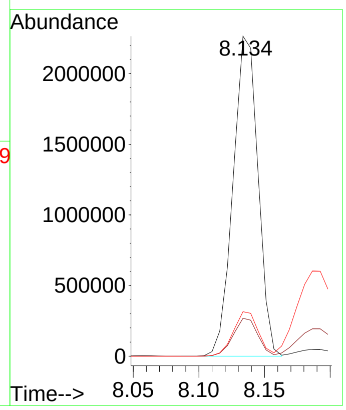
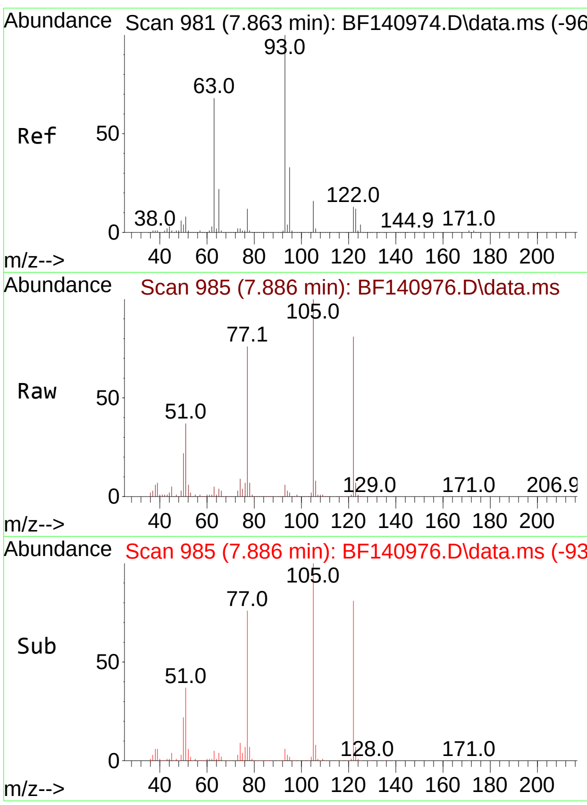
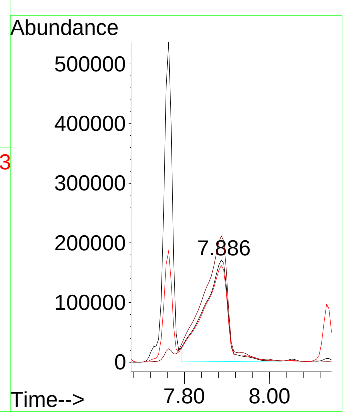




#32
Benzoic acid
Concen: 62.038 ng
RT: 7.886 min Scan# 985
Delta R.T. 0.023 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:122 Resp: 681257

Ion	Ratio	Lower	Upper
122	100		
105	123.4	105.4	145.4
77	94.4	76.4	116.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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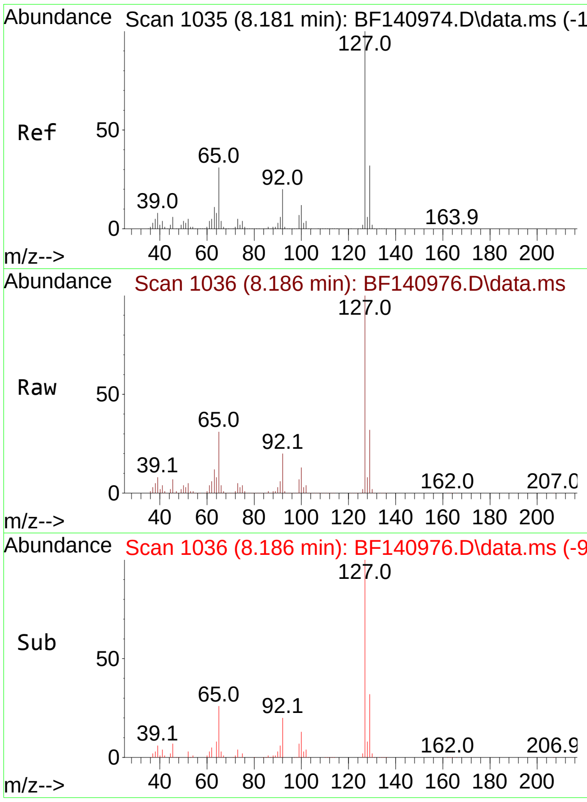
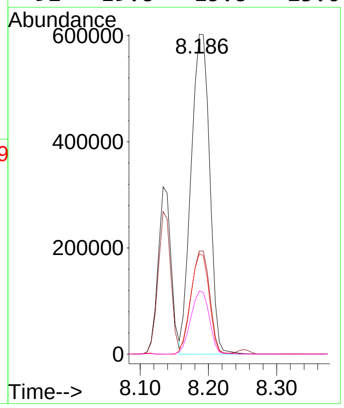
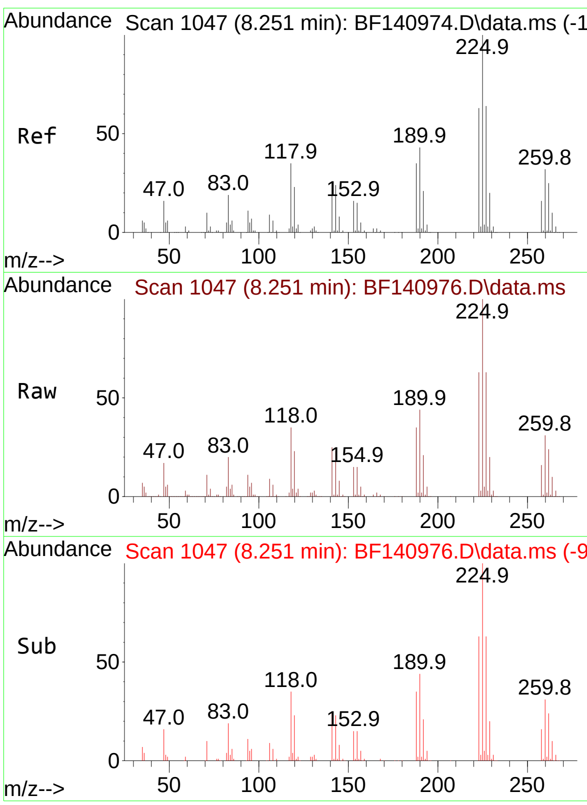


#33
4-Chloroaniline
Concen: 57.778 ng
RT: 8.186 min Scan# 10
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:127 Resp: 113339

Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.1	39.1
65	31.5	24.6	37.0
92	19.8	15.8	23.6

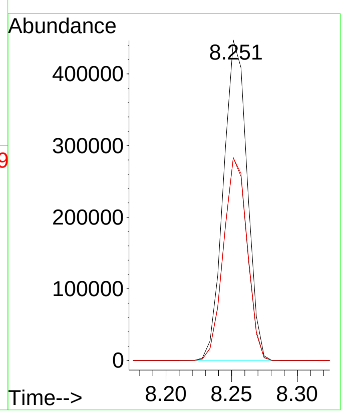


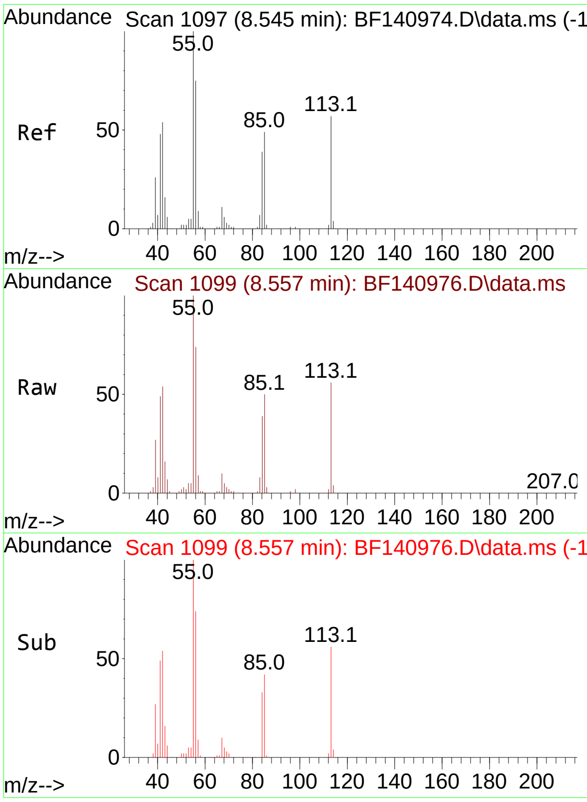


#34
Hexachlorobutadiene
Concen: 57.963 ng
RT: 8.251 min Scan# 1047
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:225 Resp: 561087

Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.3	75.5
227	63.4	50.8	76.2

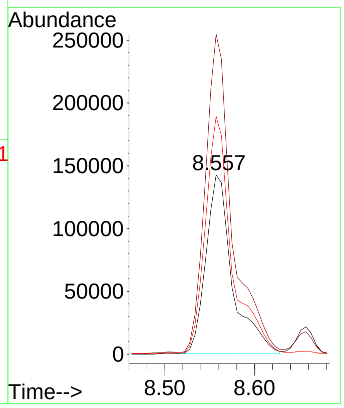




#35
Caprolactam
Concen: 59.682 ng
RT: 8.557 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:113 Resp: 29436

Ion	Ratio	Lower	Upper
113	100		
55	178.6	156.6	196.6
56	132.7	111.7	151.7



Instrument :
BNA_F
ClientSampleId :
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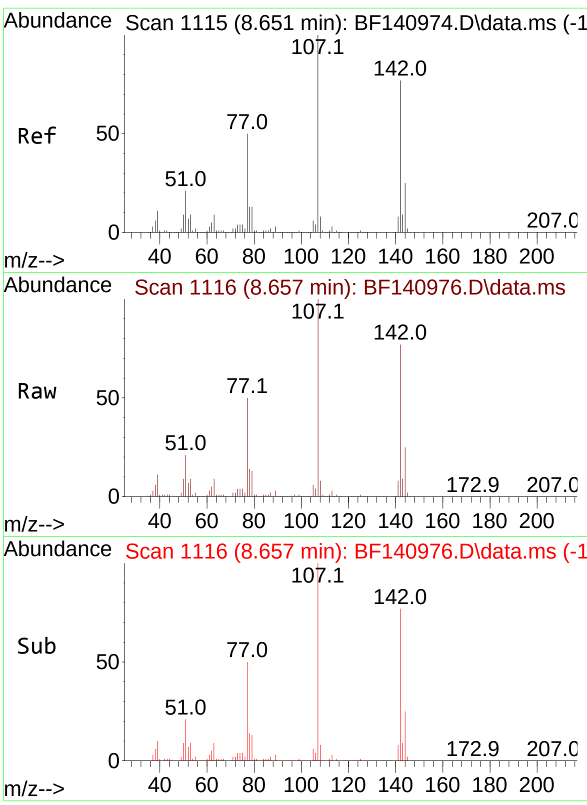
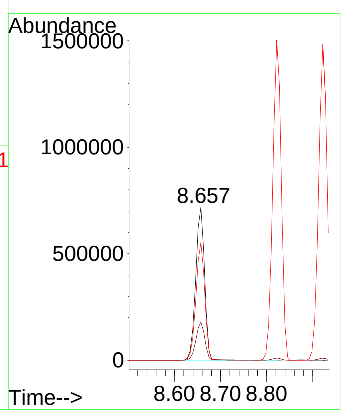


#36
4-Chloro-3-methylphenol
Concen: 59.209 ng
RT: 8.657 min Scan# 1116
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:107 Resp: 953935

Ion	Ratio	Lower	Upper
107	100		
144	25.0	19.9	29.9
142	77.0	61.8	92.8



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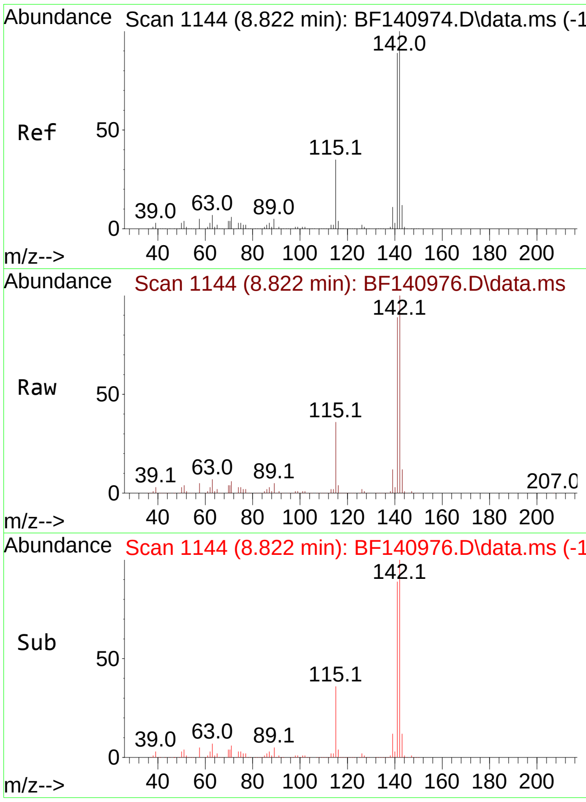

#37
2-Methylnaphthalene
Concen: 55.487 ng
RT: 8.822 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:142 Resp: 192479

Ion	Ratio	Lower	Upper
142	100		
141	88.9	71.1	106.7

Instrument :
BNA_F
ClientSampleId :
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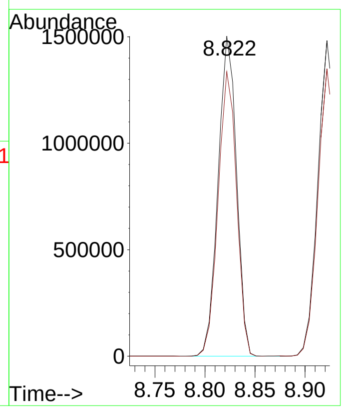
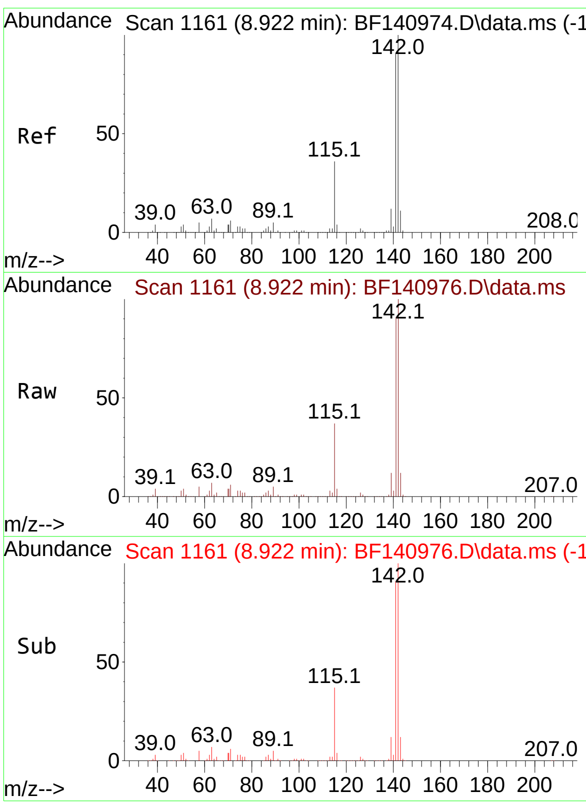
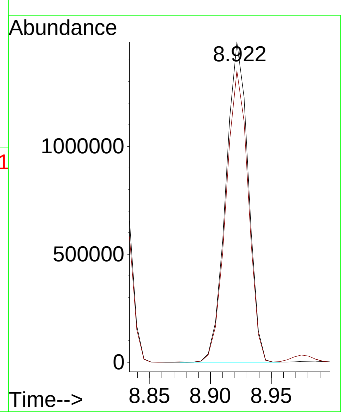


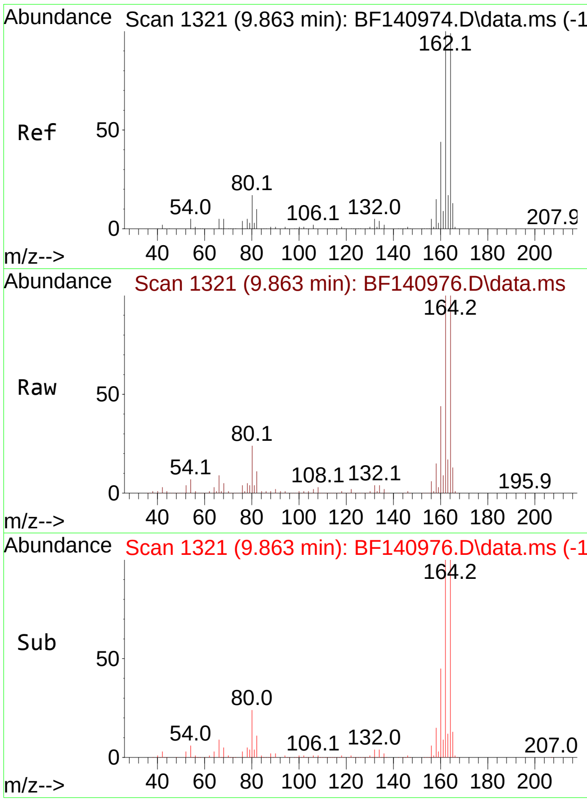


#38
1-Methylnaphthalene
Concen: 55.689 ng
RT: 8.922 min Scan# 1161
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:142 Resp: 1898518

Ion	Ratio	Lower	Upper
142	100		
141	91.1	72.7	109.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:164 Resp: 54568

Ion	Ratio	Lower	Upper
164	100		
162	99.6	80.6	120.8
160	44.5	35.7	53.5

Instrument :
BNA_F
ClientSampleId :
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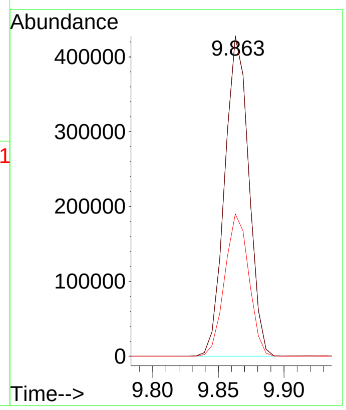
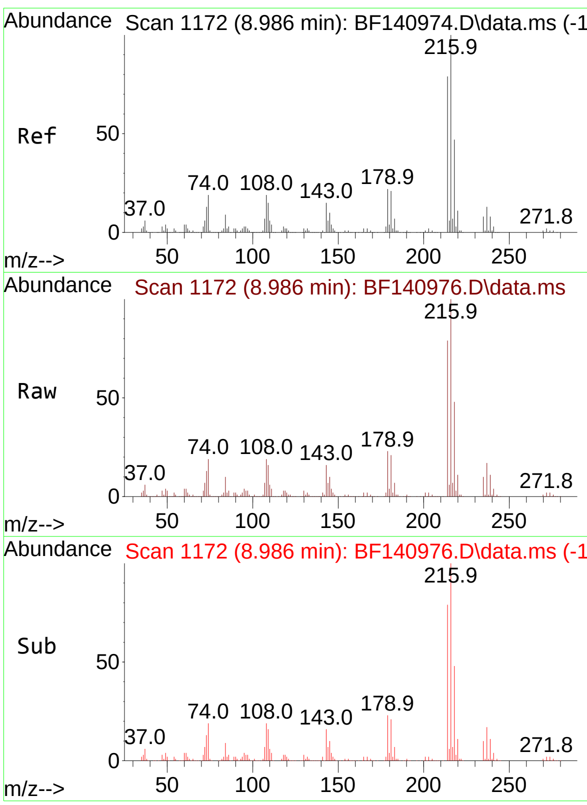
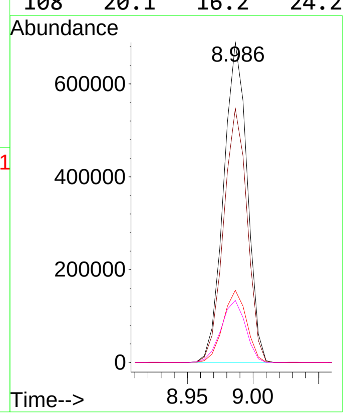


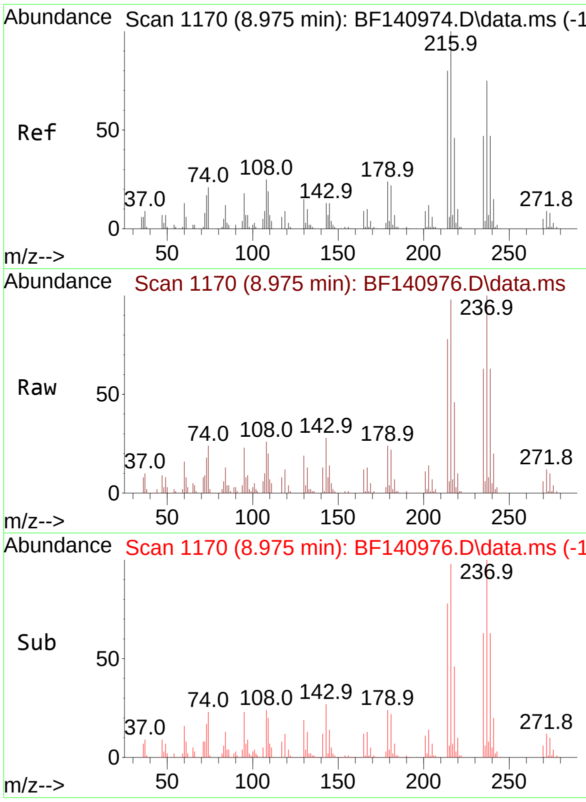


#40
1,2,4,5-Tetrachlorobenzene
Concen: 57.327 ng
RT: 8.986 min Scan# 1172
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:216 Resp: 860616

Ion	Ratio	Lower	Upper
216	100		
214	79.1	63.0	94.6
179	22.4	17.9	26.9
108	20.1	16.2	24.2





#41
Hexachlorocyclopentadiene
Concen: 62.648 ng
RT: 8.975 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:237 Resp: 31166

Ion	Ratio	Lower	Upper
237	100		
235	62.9	43.4	83.4
272	12.5	0.0	32.6

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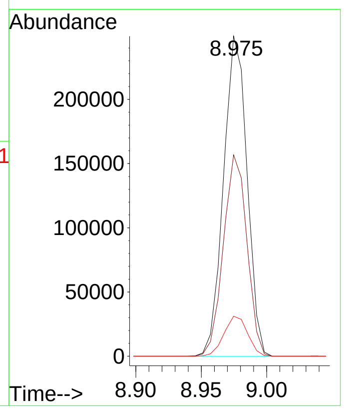
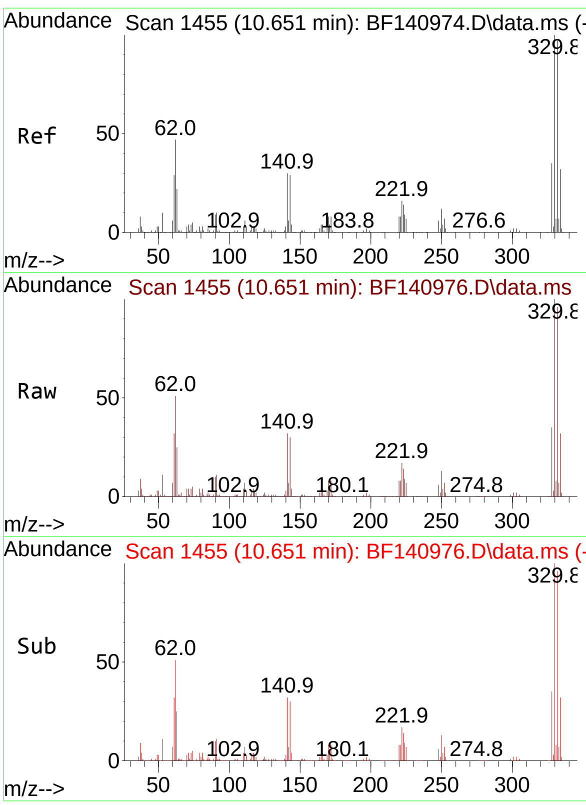
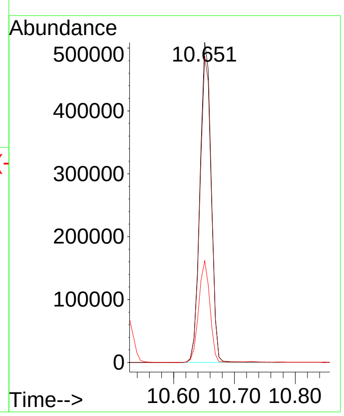


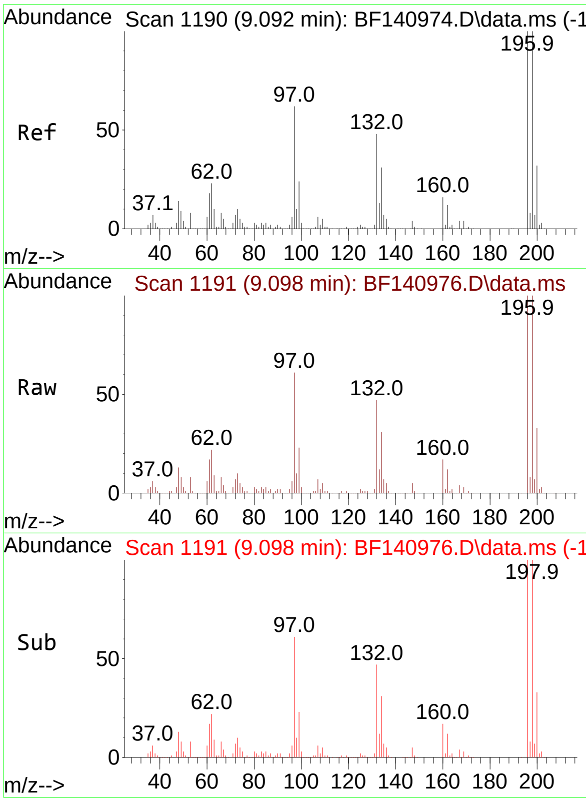


#42
2,4,6-Tribromophenol
Concen: 123.146 ng
RT: 10.651 min Scan# 1455
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:330 Resp: 652968

Ion	Ratio	Lower	Upper
330	100		
332	96.1	78.0	117.0
141	31.5	26.4	39.6





#43
2,4,6-Trichlorophenol
Concen: 62.389 ng
RT: 9.098 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:196 Resp: 62335

Ion	Ratio	Lower	Upper
196	100		
198	99.8	80.2	120.4
200	32.8	25.8	38.6

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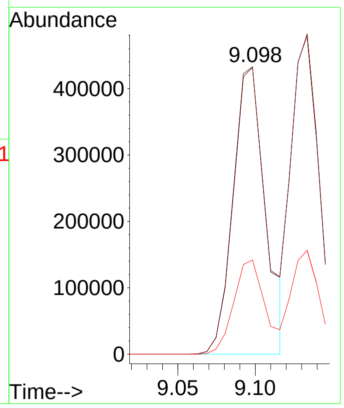
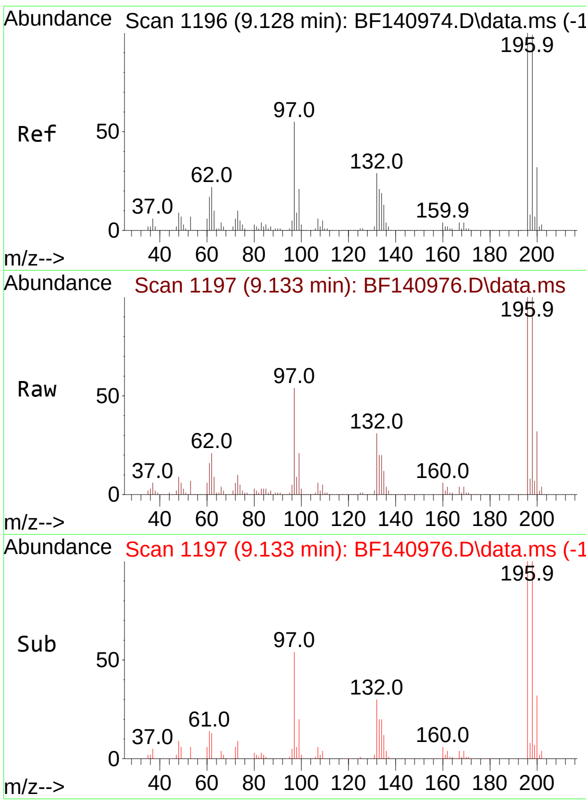
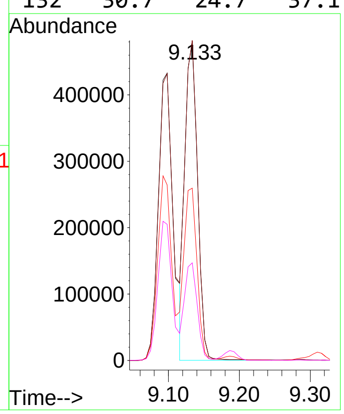




#44
2,4,5-Trichlorophenol
Concen: 58.429 ng
RT: 9.133 min Scan# 1197
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:196 Resp: 597336

Ion	Ratio	Lower	Upper
196	100		
198	100.4	79.9	119.9
97	54.1	44.3	66.5
132	30.7	24.7	37.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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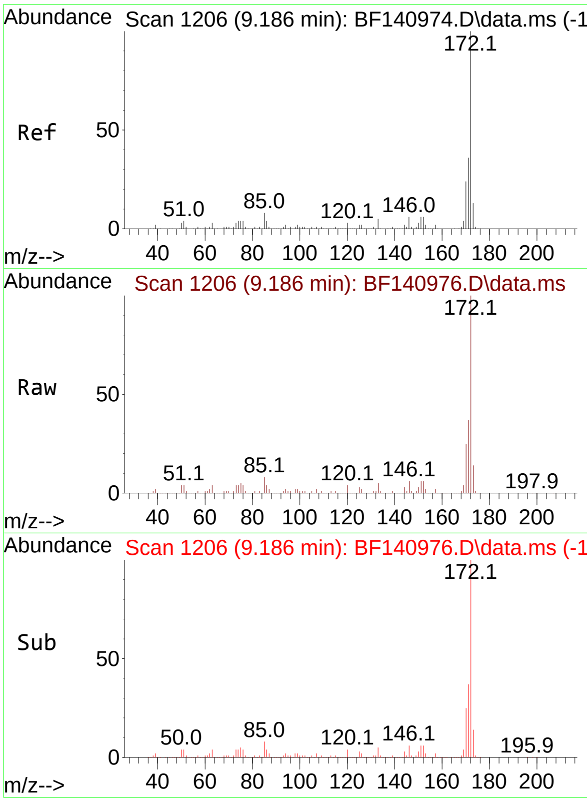
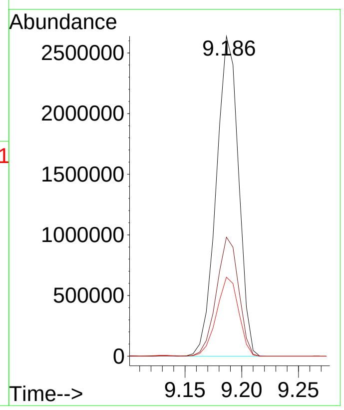
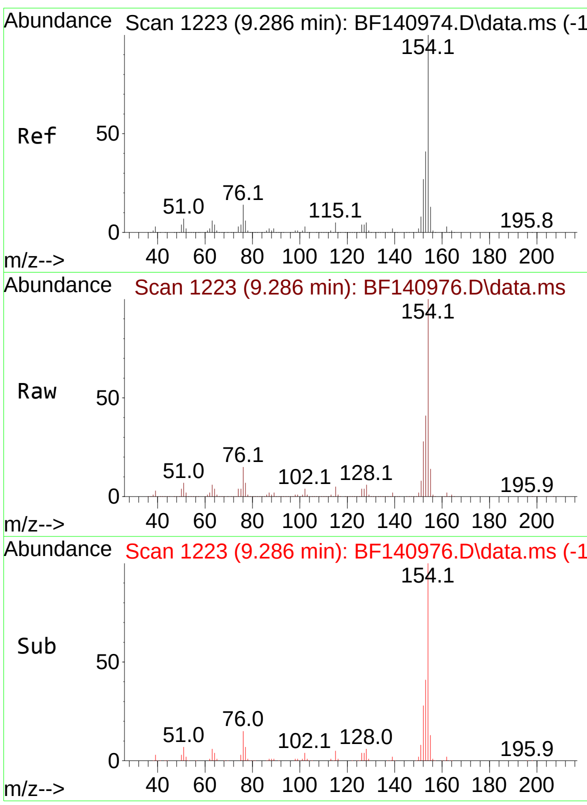



```
#45
2-Fluorobiphenyl
Concen:  105.387 ng
RT:    9.186 min   Scan# 1
Delta R.T.   -0.000 min
Lab File:    BF140976.D
Acq: 26 Dec 2024   18:59

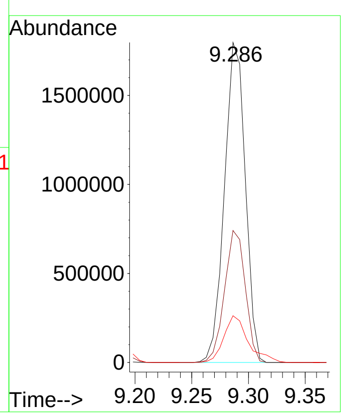
Tgt Ion:172 Resp: 360948
Ion   Ratio   Lower   Upper
172   100
171    37.2    29.0    43.4
170    24.7    19.6    29.4
```






```
#46
1,1'-Biphenyl
Concen:   55.102 ng
RT:    9.286 min   Scan# 1223
Delta R.T.   0.000 min
Lab File:    BF140976.D
Acq: 26 Dec 2024   18:59

Tgt Ion:154 Resp: 2302280
Ion   Ratio   Lower   Upper
154   100
153    41.2    20.9    60.9
 76    14.6     0.0    34.0
```



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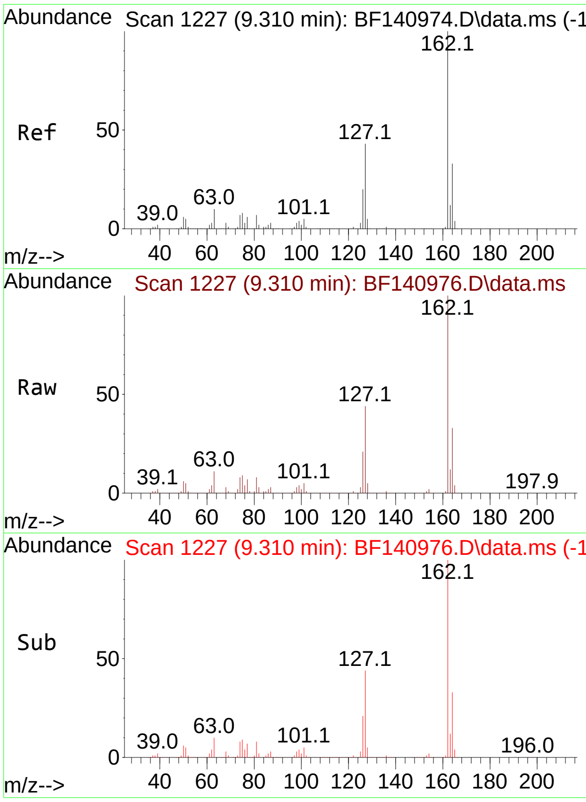

#47
2-Chloronaphthalene
Concen: 55.777 ng
RT: 9.310 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:162 Resp: 180745

Ion	Ratio	Lower	Upper
162	100		
127	44.3	34.2	51.4
164	33.4	26.6	40.0

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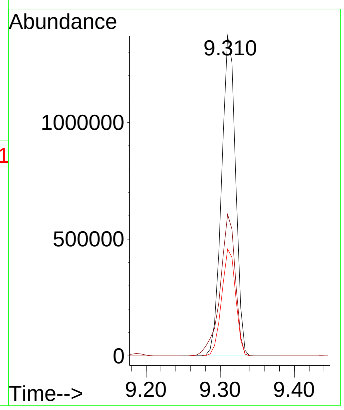
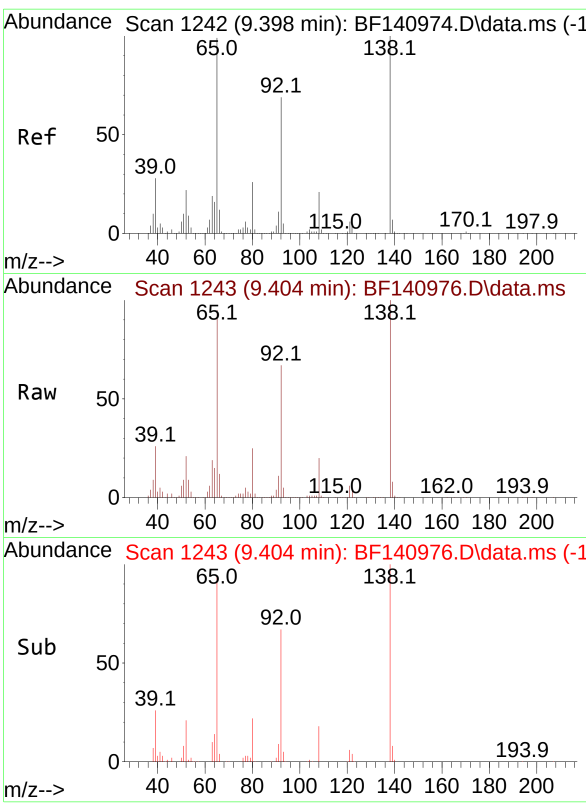
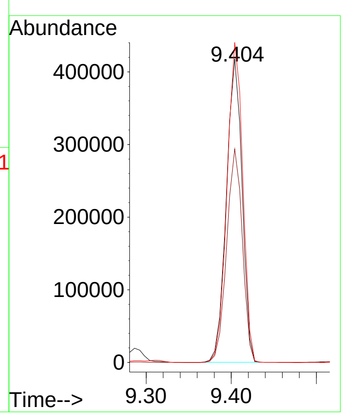




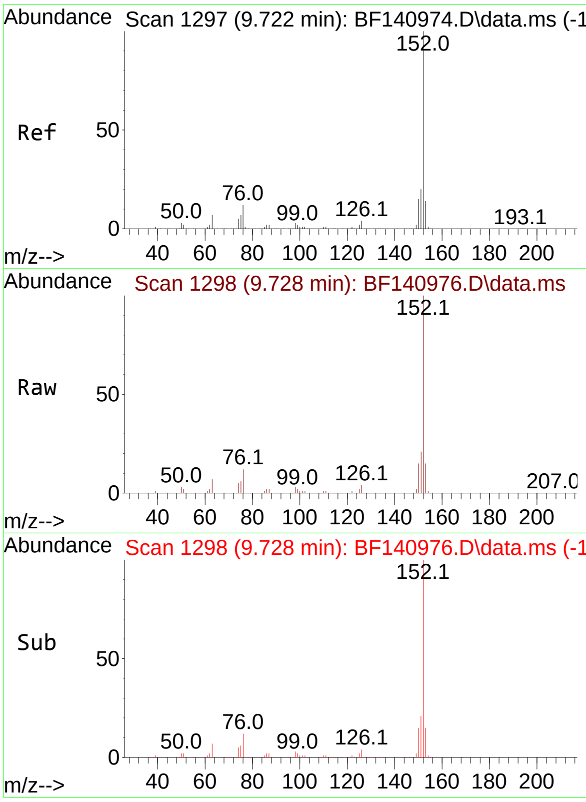
#48
2-Nitroaniline
Concen: 61.984 ng
RT: 9.404 min Scan# 1243
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion: 65 Resp: 538159

Ion	Ratio	Lower	Upper
65	100		
92	70.4	55.6	83.4
138	105.4	80.5	120.7



ICAL Form



#49
Acenaphthylene
Concen: 55.811 ng
RT: 9.728 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:152 Resp: 260351

Ion	Ratio	Lower	Upper
152	100		
151	20.7	16.2	24.4
153	14.6	11.4	17.0

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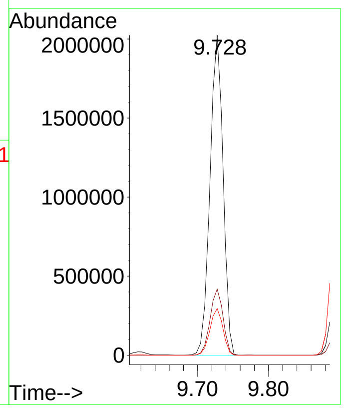
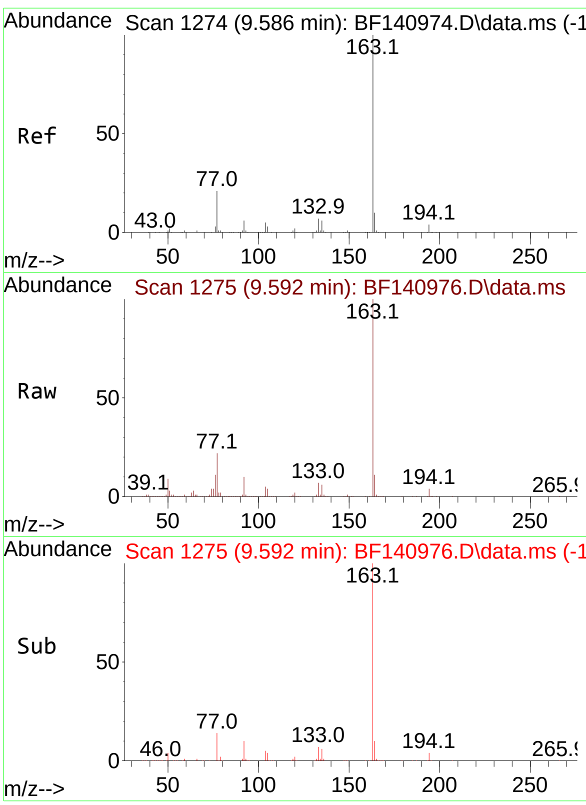
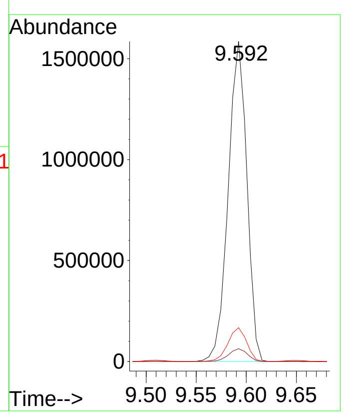




#50
Dimethylphthalate
Concen: 57.054 ng
RT: 9.592 min Scan# 1275
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:163 Resp: 2047854

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.1	4.7
164	10.5	8.3	12.5



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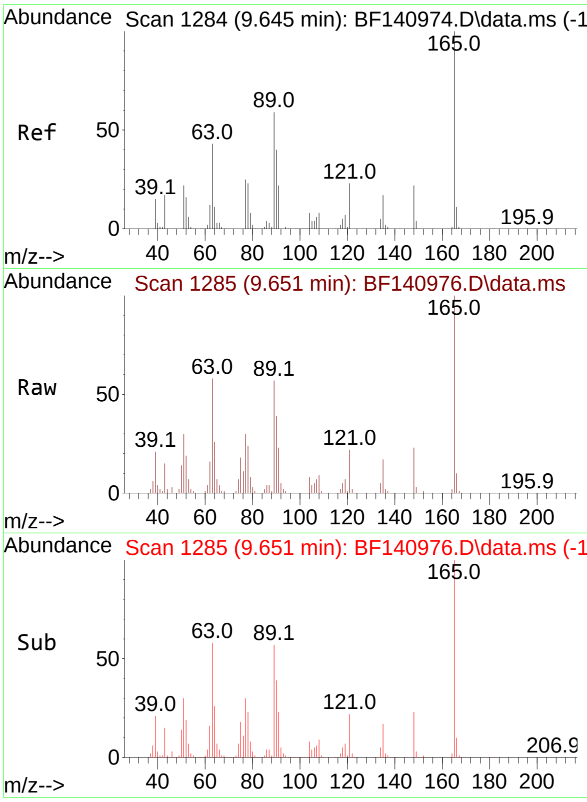
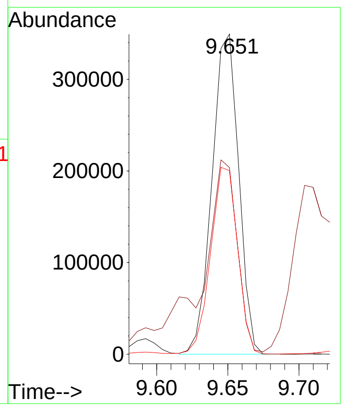


#51
2,6-Dinitrotoluene
Concen: 61.208 ng
RT: 9.651 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:165 Resp: 455999

Ion	Ratio	Lower	Upper
165	100		
63	58.3	47.1	70.7
89	57.3	47.0	70.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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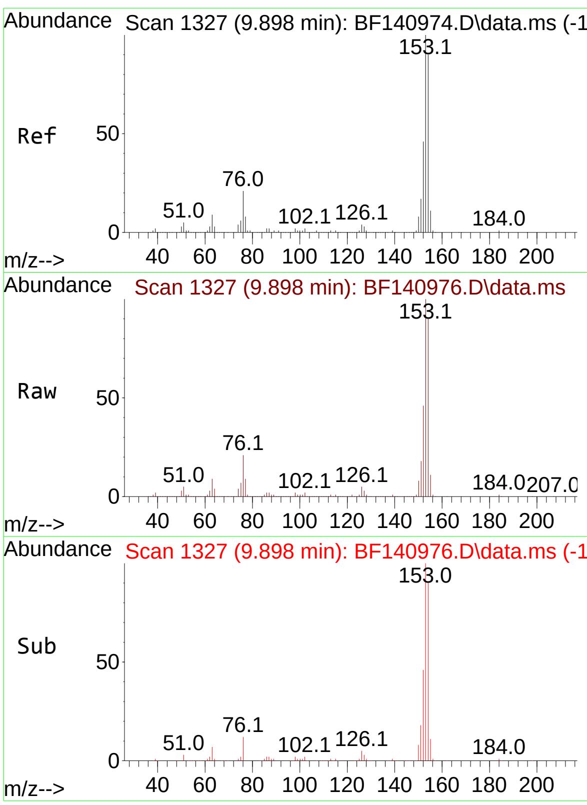
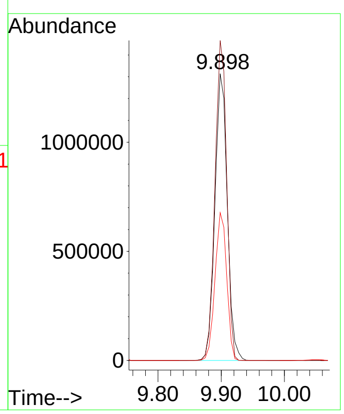


#52
Acenaphthene
Concen: 56.633 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:154 Resp: 1786036

Ion	Ratio	Lower	Upper
154	100		
153	111.6	89.2	133.8
152	51.5	40.9	61.3



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Instrument :
BNA_F
ClientSampleId :
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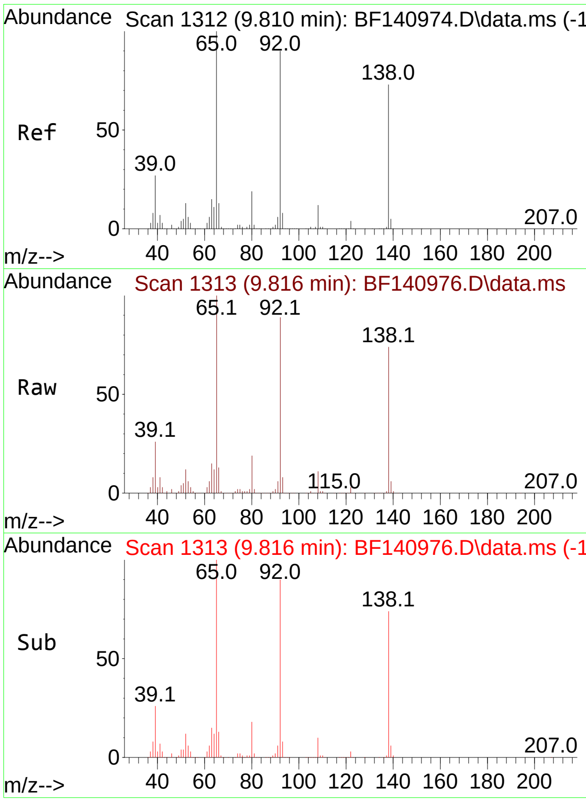
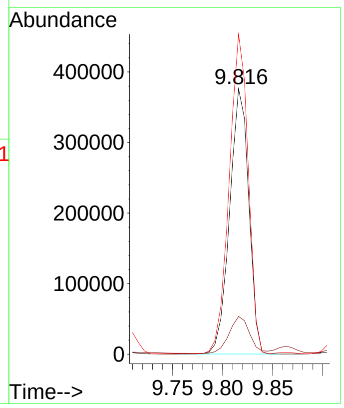
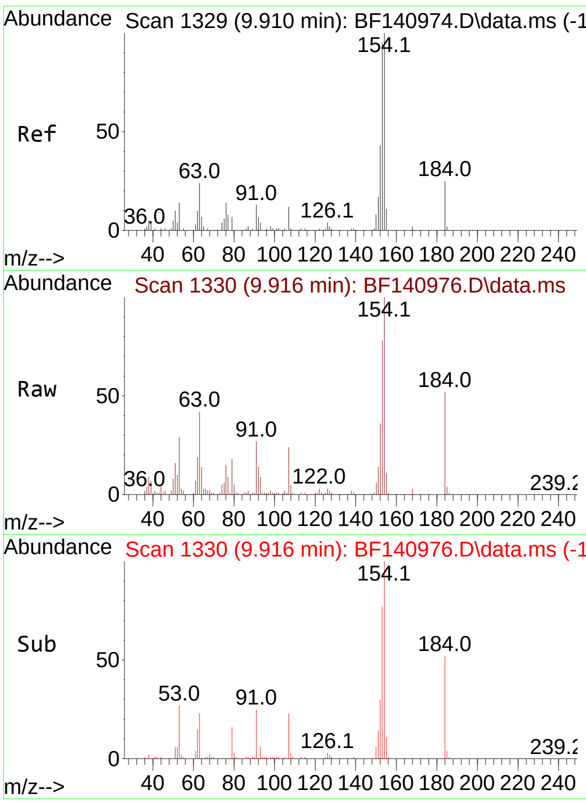


#53
3-Nitroaniline
Concen: 61.600 ng
RT: 9.816 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:138 Resp: 49826

Ion	Ratio	Lower	Upper
138	100		
108	14.2	13.5	20.3
92	120.6	97.7	146.5

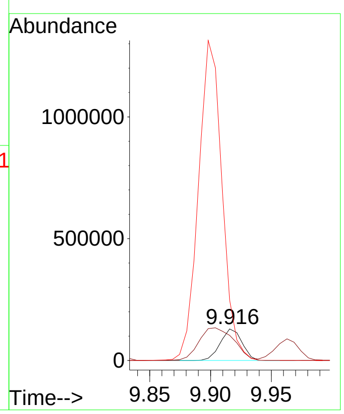


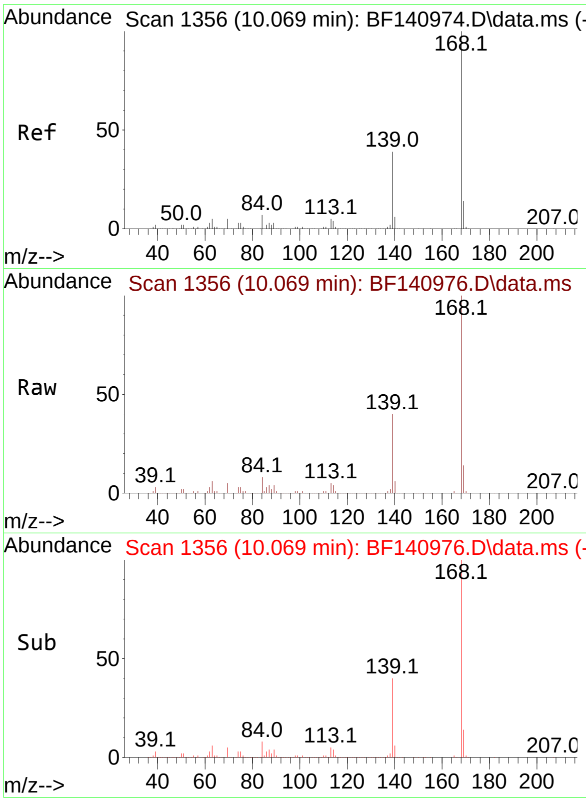


#54
2,4-Dinitrophenol
Concen: 62.314 ng
RT: 9.916 min Scan# 1330
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:184 Resp: 160979

Ion	Ratio	Lower	Upper
184	100		
63	79.8	81.6	122.4#
154	191.8	363.5	545.3#





#55
Dibenzofuran
Concen: 55.896 ng
RT: 10.069 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:168 Resp: 247732

Ion	Ratio	Lower	Upper
168	100		
139	40.2	31.6	47.4
169	14.0	11.0	16.6

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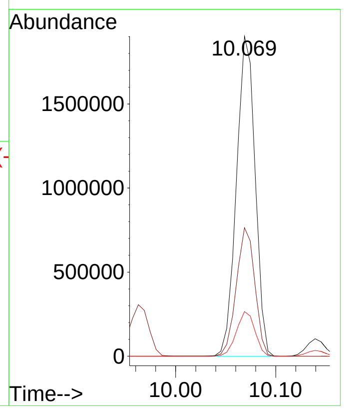
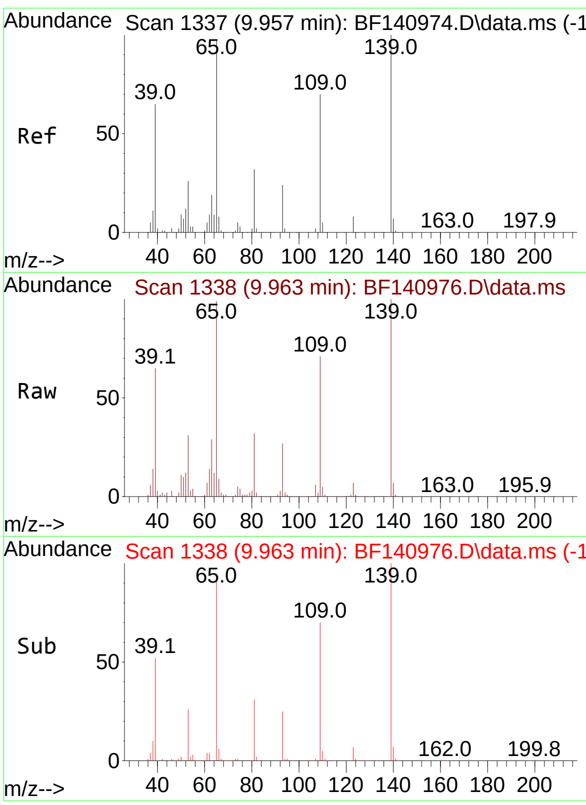
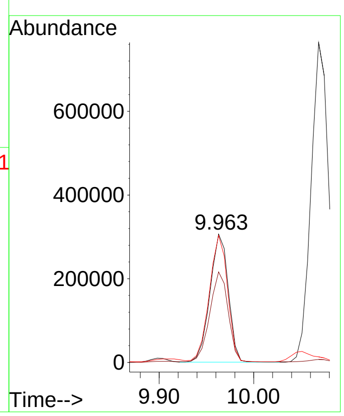


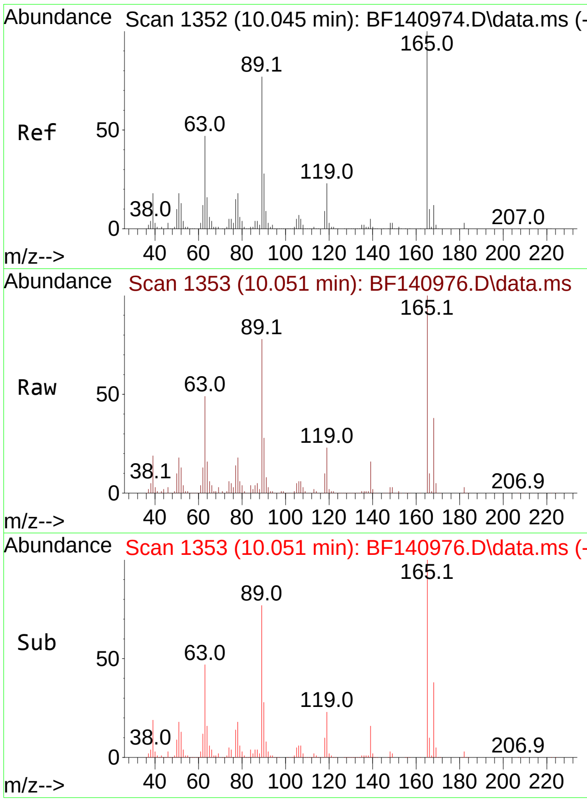


#56
4-Nitrophenol
Concen: 67.472 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:139 Resp: 414262

Ion	Ratio	Lower	Upper
139	100		
109	70.5	50.8	90.8
65	99.0	78.5	118.5

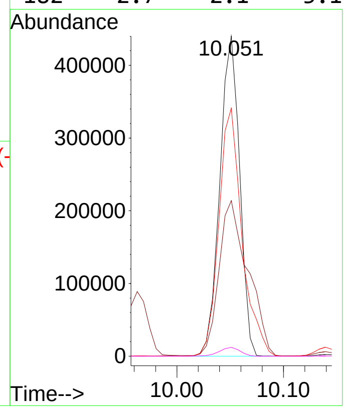




#57
2,4-Dinitrotoluene
Concen: 62.002 ng
RT: 10.051 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:165 Resp: 56834

Ion	Ratio	Lower	Upper
165	100		
63	48.6	38.1	57.1
89	77.5	61.4	92.2
182	2.7	2.1	3.1



Instrument :
BNA_F
ClientSampleId :
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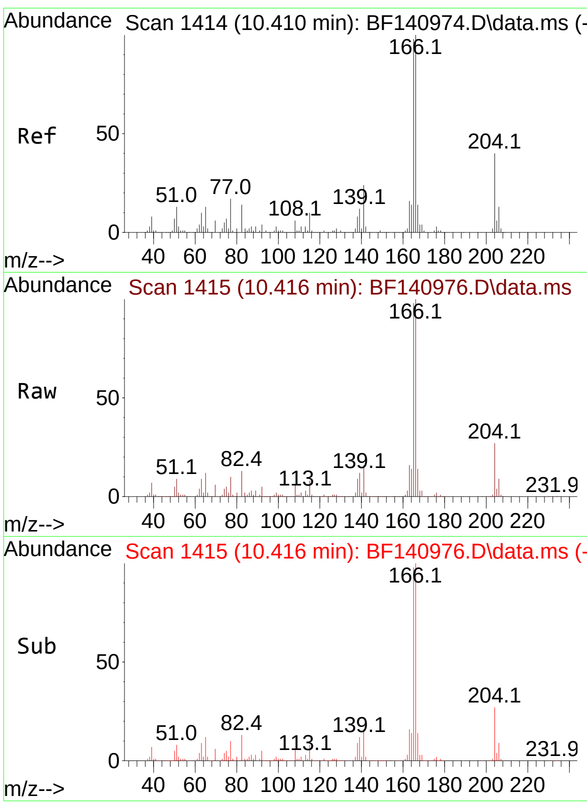
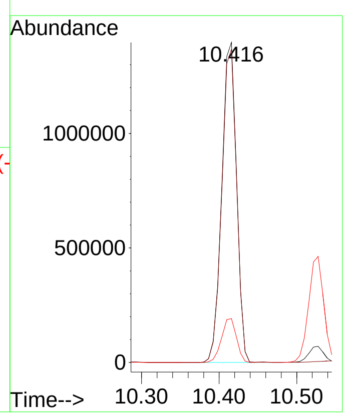
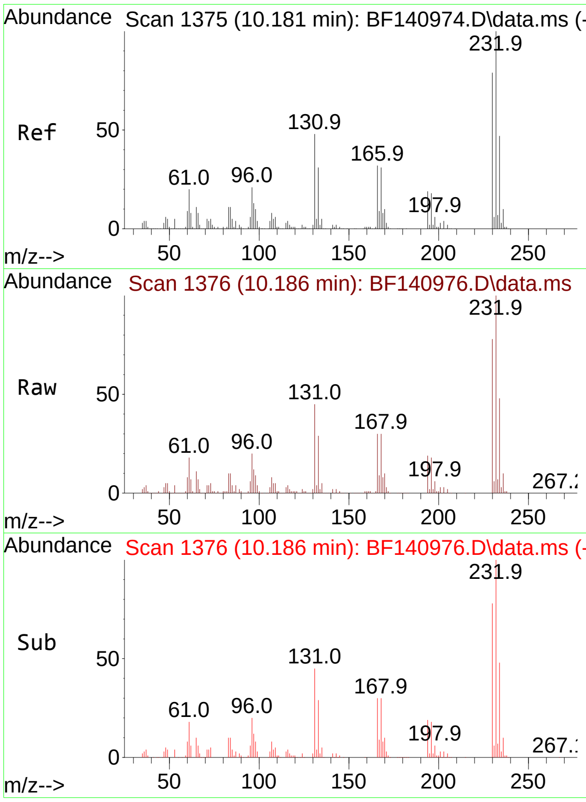


#58
Fluorene
Concen: 54.047 ng
RT: 10.416 min Scan# 1415
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:166 Resp: 1857483

Ion	Ratio	Lower	Upper
166	100		
165	97.8	78.3	117.5
167	13.7	10.9	16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 61.184 ng
RT: 10.186 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:232 Resp: 51803

Ion	Ratio	Lower	Upper
232	100		
131	45.9	37.4	56.2
130	2.3	1.8	2.8
166	30.6	24.8	37.2

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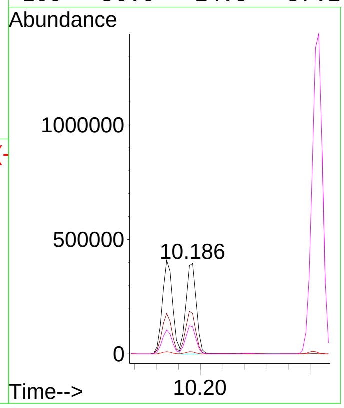
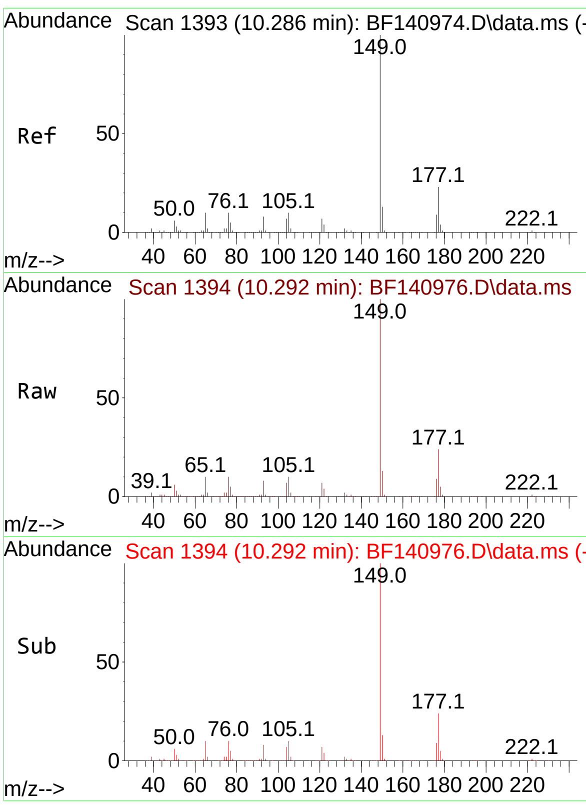
Supervised By :mohammad ahmed 12/27/2024

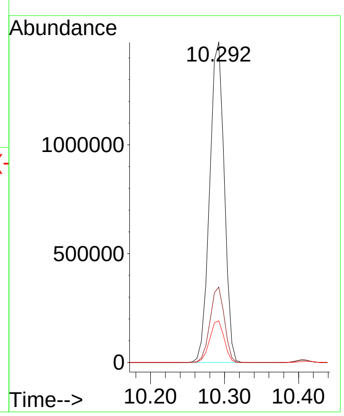




#60
Diethylphthalate
Concen: 56.895 ng
RT: 10.292 min Scan# 1394
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:149 Resp: 2016065

Ion	Ratio	Lower	Upper
149	100		
177	23.6	18.3	27.5
150	13.0	10.4	15.6



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Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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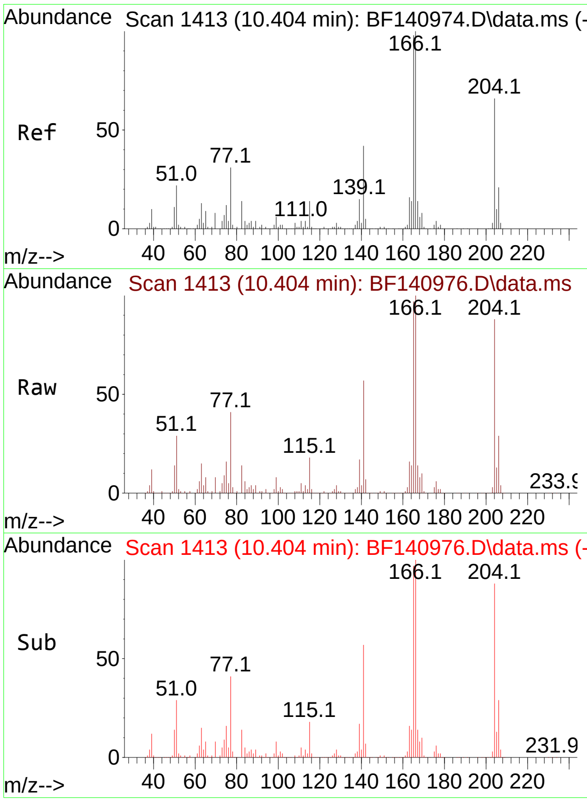
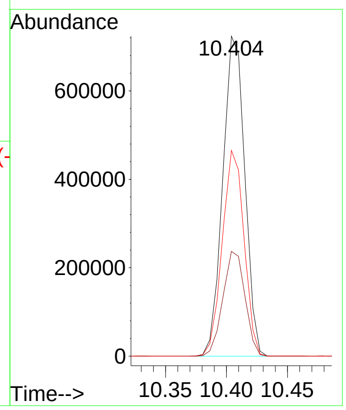
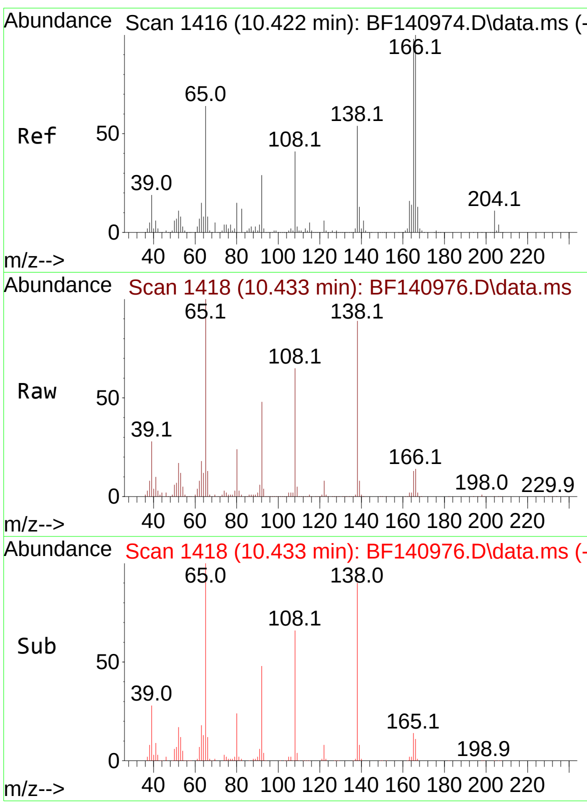


#61
4-Chlorophenyl-phenylether
Concen: 55.139 ng
RT: 10.404 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:204 Resp: 91184

Ion	Ratio	Lower	Upper
204	100		
206	32.8	25.8	38.6
141	64.3	51.2	76.8

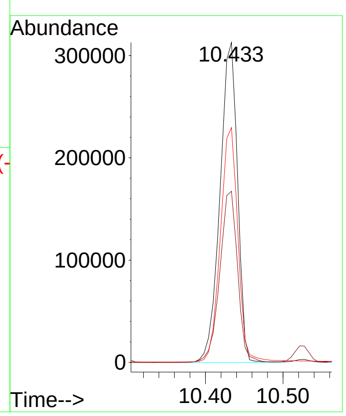




#62
4-Nitroaniline
Concen: 60.999 ng
RT: 10.433 min Scan# 1418
Delta R.T. 0.011 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:138 Resp: 492850

Ion	Ratio	Lower	Upper
138	100		
92	53.5	34.8	74.8
108	73.4	55.9	95.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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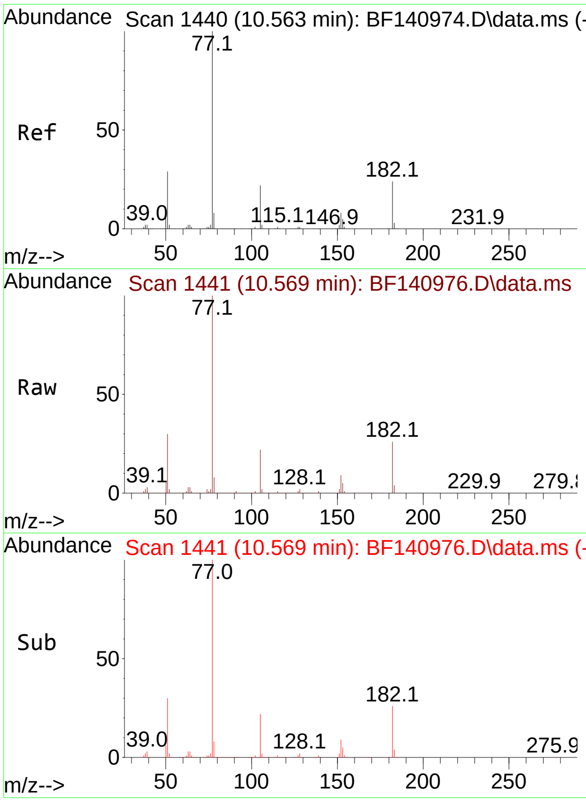
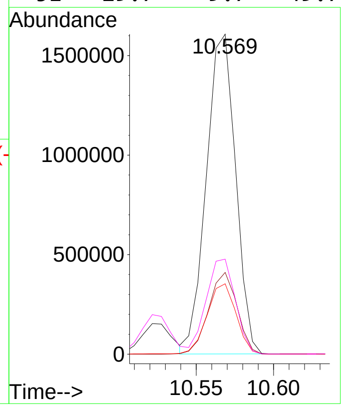
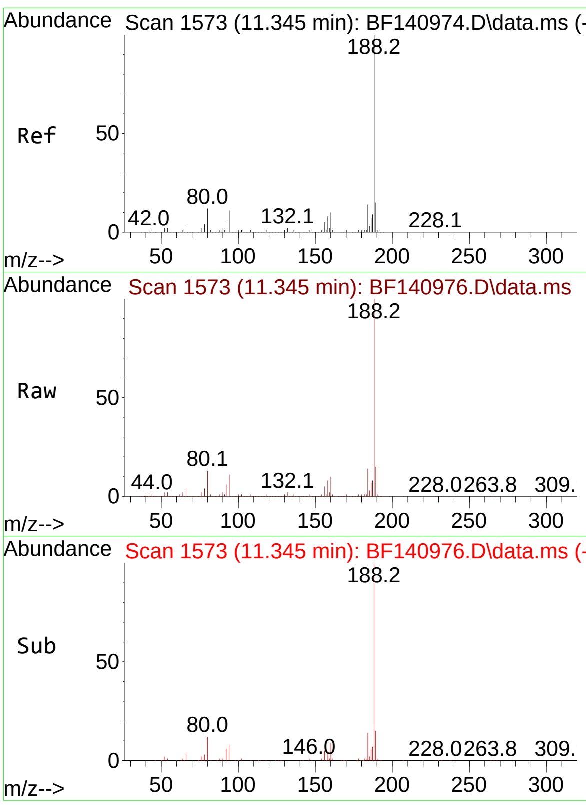


#63
Azobenzene
Concen: 56.916 ng
RT: 10.569 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion: 77 Resp: 211688

Ion	Ratio	Lower	Upper
77	100		
182	25.6	4.1	44.1
105	22.0	1.8	41.8
51	29.7	9.7	49.7

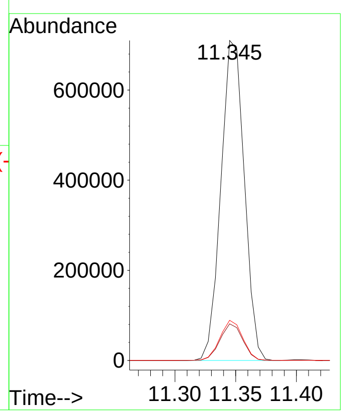




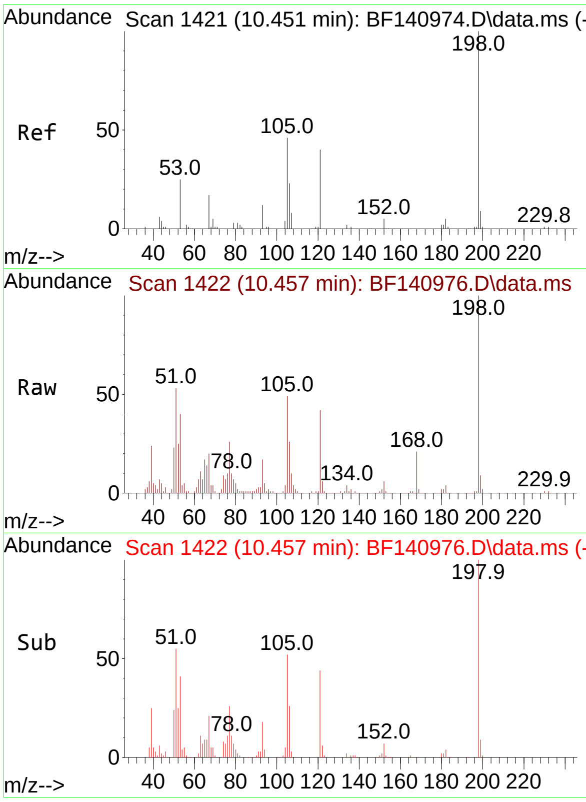
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:188 Resp: 952375

Ion	Ratio	Lower	Upper
188	100		
94	11.5	9.0	13.6
80	12.5	9.8	14.6



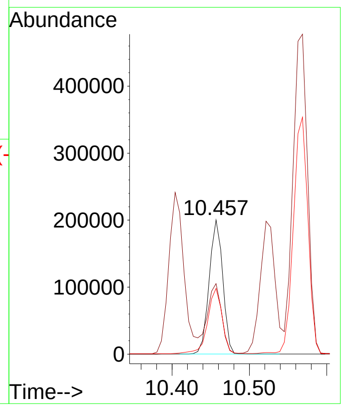
ICAL Form



#65
4,6-Dinitro-2-methylphenol
Concen: 61.133 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:198 Resp: 24418

Ion	Ratio	Lower	Upper
198	100		
51	52.6	32.3	72.3
105	49.0	28.4	68.4



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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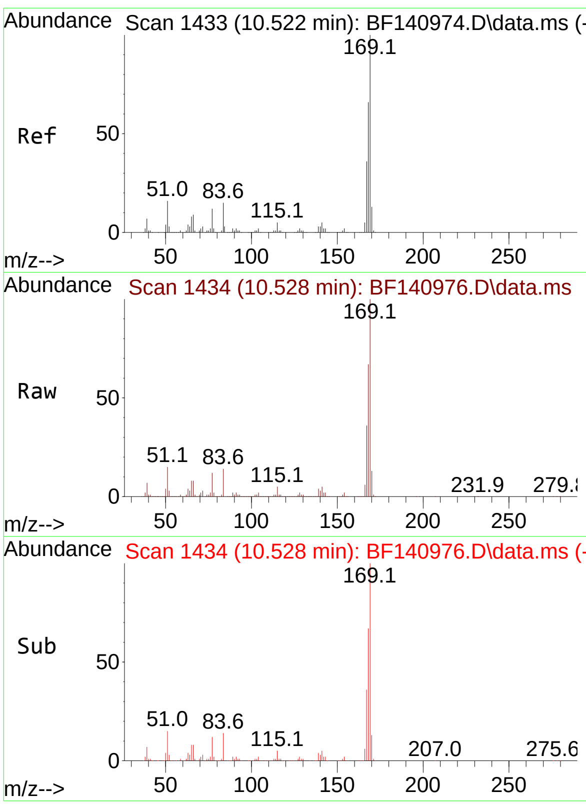
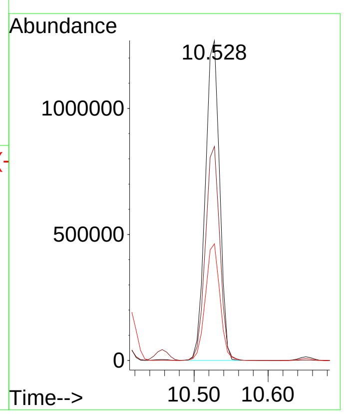
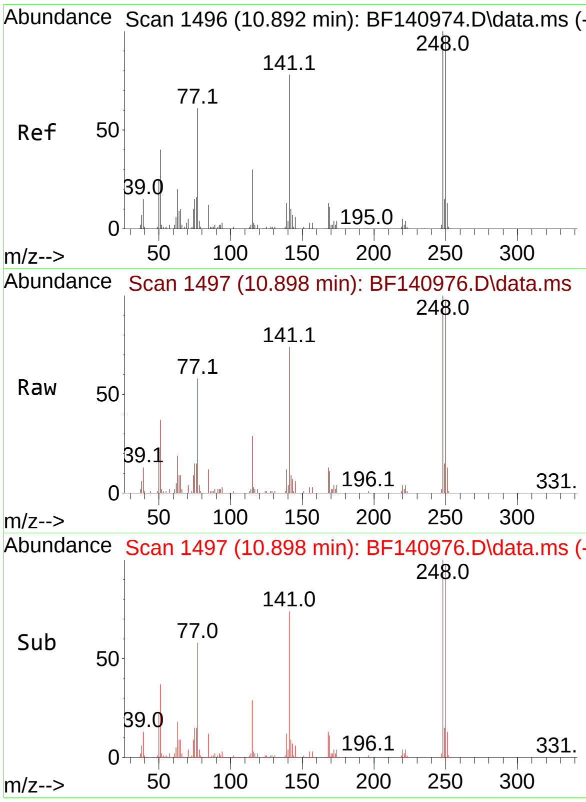


#66
n-Nitrosodiphenylamine
Concen: 56.660 ng
RT: 10.528 min Scan# 1434
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:169 Resp: 1699227

Ion	Ratio	Lower	Upper
169	100		
168	66.9	52.6	79.0
167	36.5	29.0	43.4





#67
4-Bromophenyl-phenylether
Concen: 55.225 ng
RT: 10.898 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:248 Resp: 56855

Ion	Ratio	Lower	Upper
248	100		
250	98.4	77.7	116.5
141	74.2	62.1	93.1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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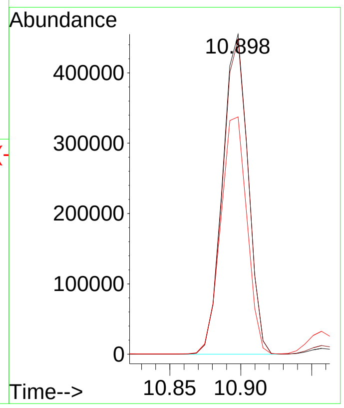
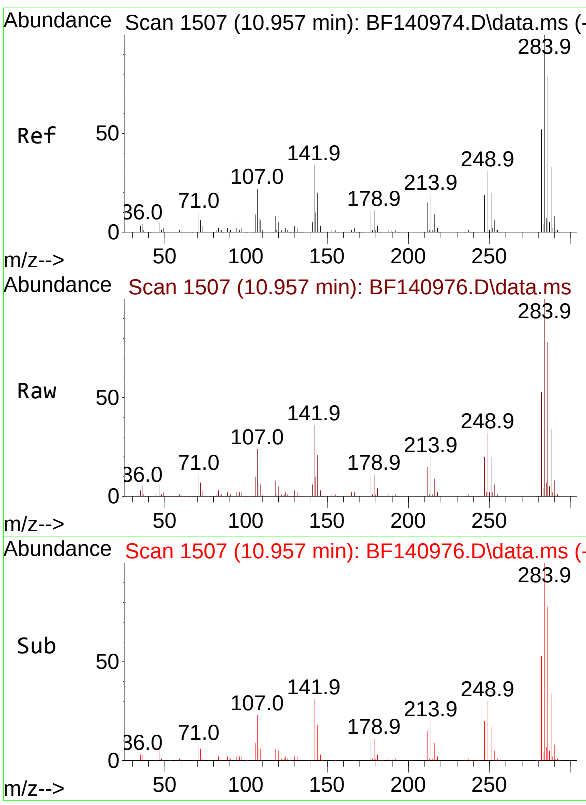
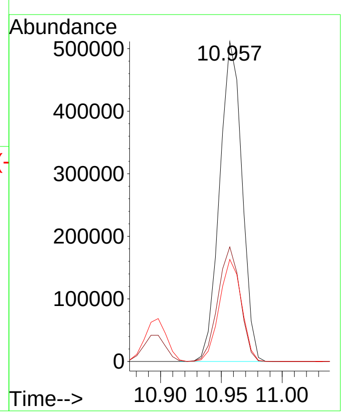


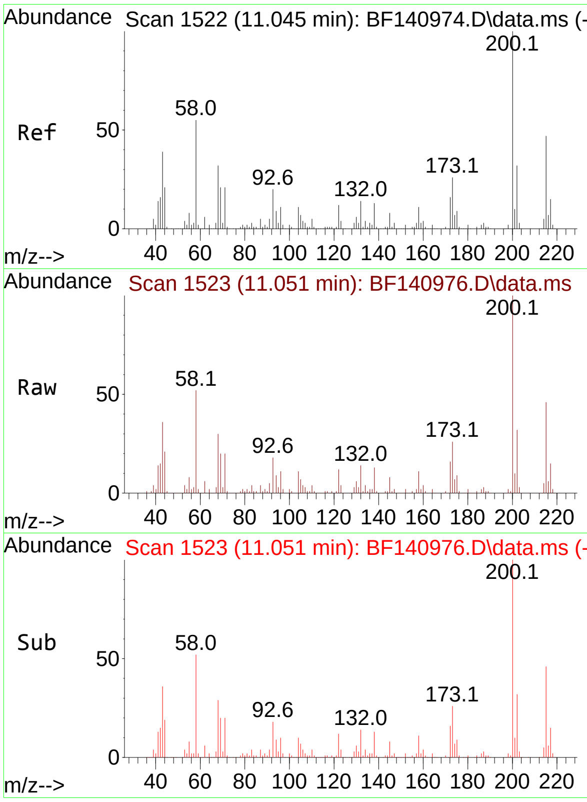


#68
Hexachlorobenzene
Concen: 57.748 ng
RT: 10.957 min Scan# 1507
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:284 Resp: 655571

Ion	Ratio	Lower	Upper
284	100		
142	35.8	27.1	40.7
249	31.9	25.1	37.7





#69
Atrazine
Concen: 47.727 ng
RT: 11.051 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:200 Resp: 39987

Ion	Ratio	Lower	Upper
200	100		
173	26.2	6.4	46.4
215	46.2	27.2	67.2

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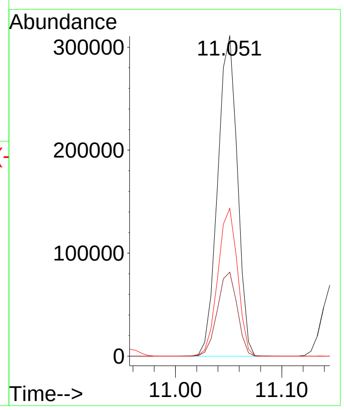
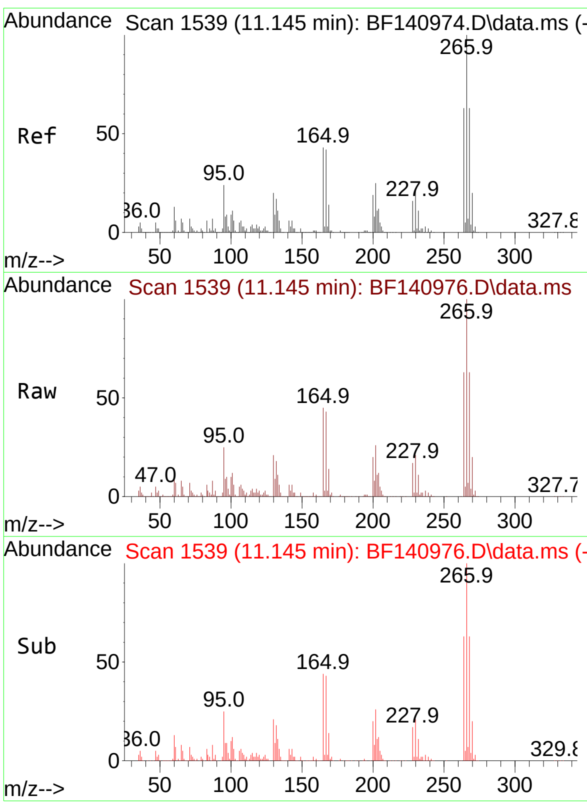
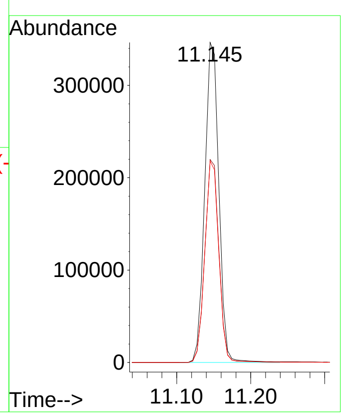




#70
Pentachlorophenol
Concen: 65.024 ng
RT: 11.145 min Scan# 1539
Delta R.T. 0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:266 Resp: 459586

Ion	Ratio	Lower	Upper
266	100		
268	63.4	50.5	75.7
264	62.9	50.2	75.4



ICAL Form

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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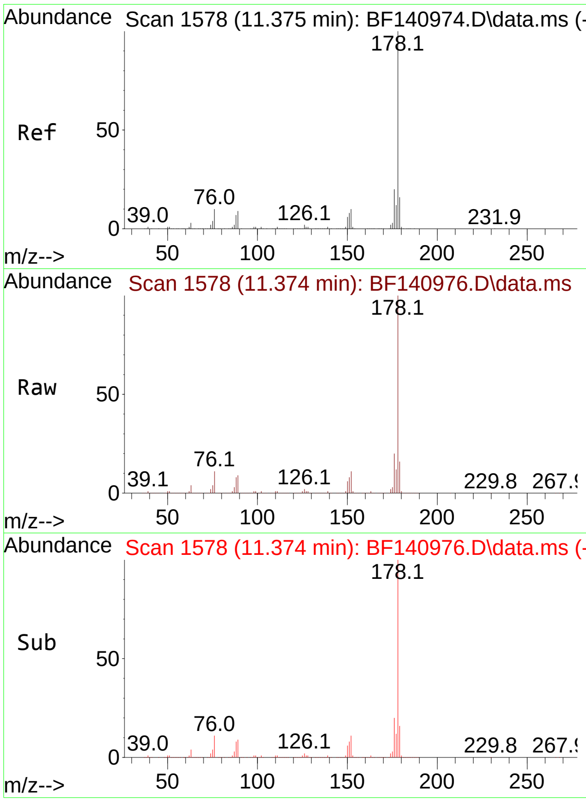
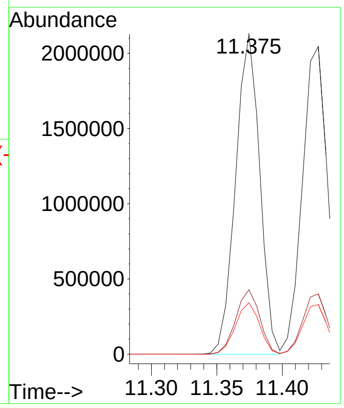
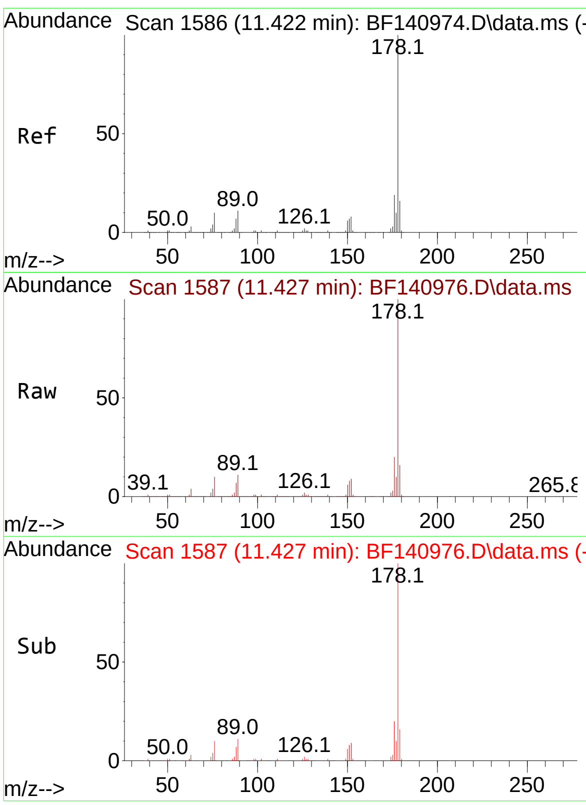


#71
Phenanthrene
Concen: 54.589 ng
RT: 11.374 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:178 Resp: 273624

Ion	Ratio	Lower	Upper
178	100		
176	20.2	15.8	23.6
179	16.1	12.6	19.0

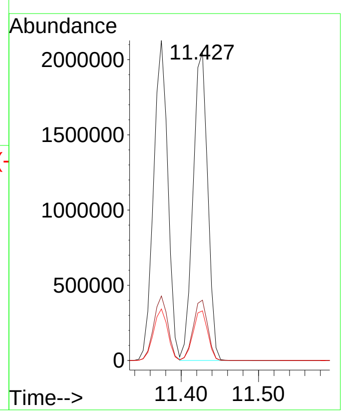




#72
Anthracene
Concen: 54.978 ng
RT: 11.427 min Scan# 1587
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:178 Resp: 2700285

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.3	22.9
179	16.1	12.9	19.3



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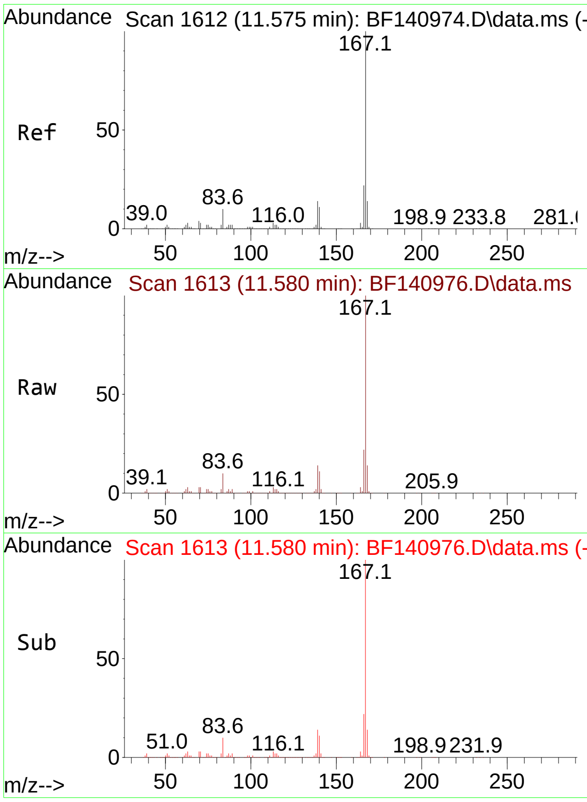

#73
Carbazole
Concen: 54.876 ng
RT: 11.580 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:167 Resp: 259102

Ion	Ratio	Lower	Upper
167	100		
166	22.4	17.5	26.3
139	13.9	11.0	16.4

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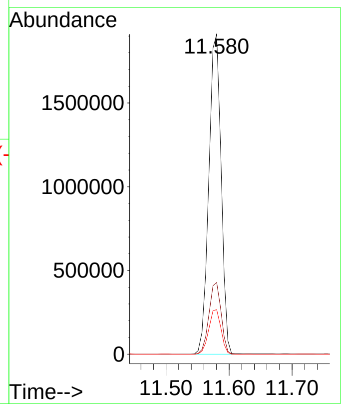
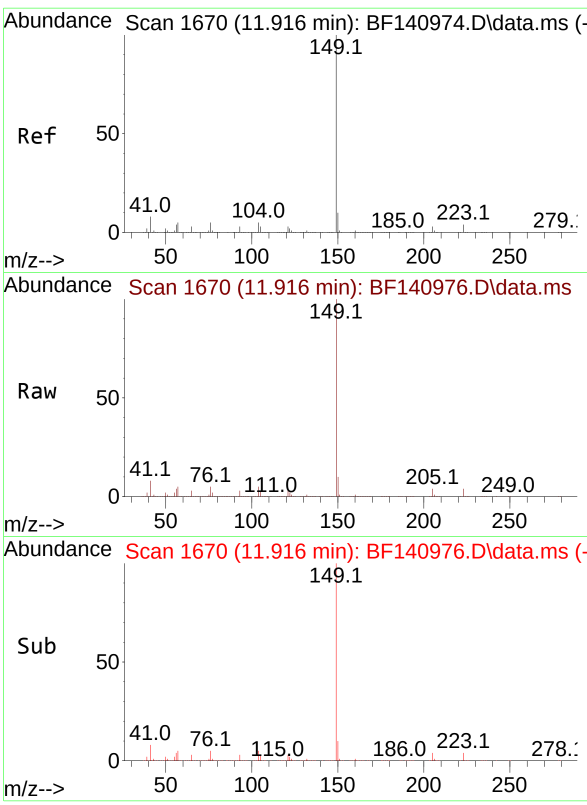
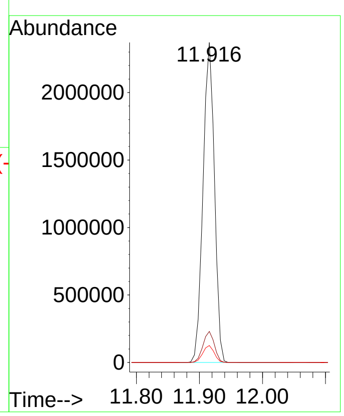


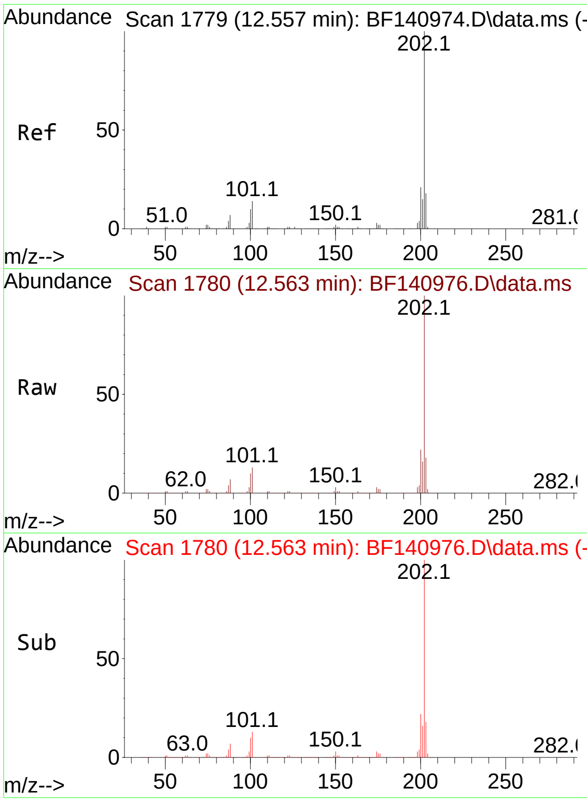


#74
Di-n-butylphthalate
Concen: 55.537 ng
RT: 11.916 min Scan# 1670
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:149 Resp: 2982533

Ion	Ratio	Lower	Upper
149	100		
150	9.7	7.7	11.5
104	5.3	4.1	6.1





#75
Fluoranthene
Concen: 54.394 ng
RT: 12.563 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:202 Resp: 295704

Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	33.7
203	18.4	0.0	38.1

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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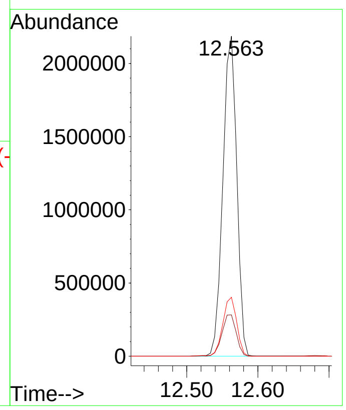
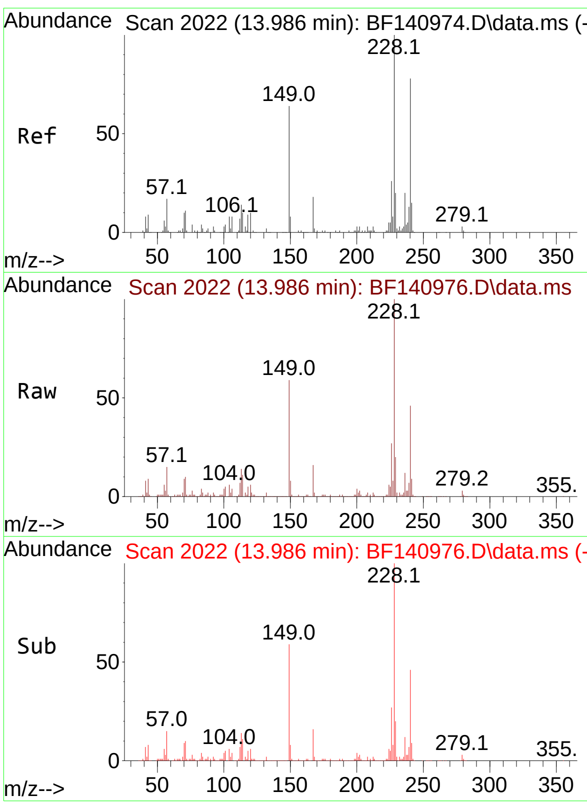
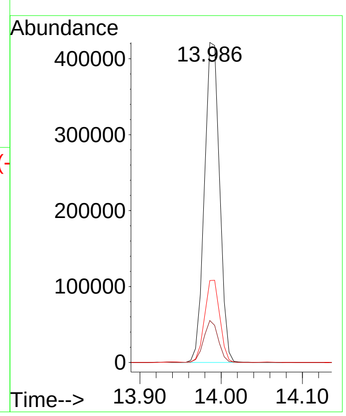


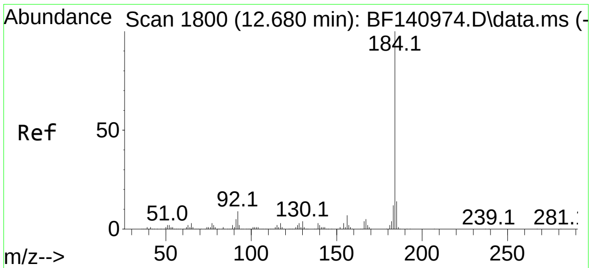


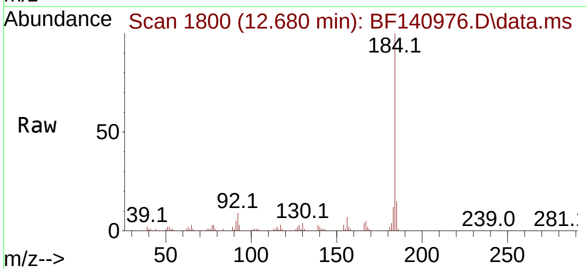
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

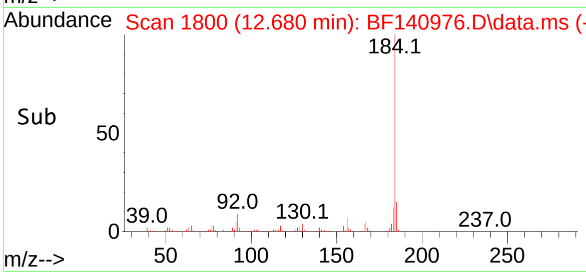
Tgt Ion:240 Resp: 546797

Ion	Ratio	Lower	Upper
240	100		
120	13.1	10.7	16.1
236	25.6	20.6	31.0









#77
Benzidine
Concen: 72.741 ng
RT: 12.680 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:184 Resp: 84059

Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.4	17.2
183	11.9	9.4	14.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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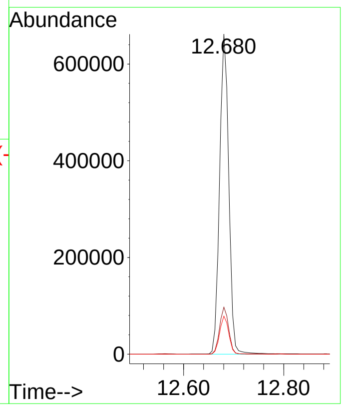
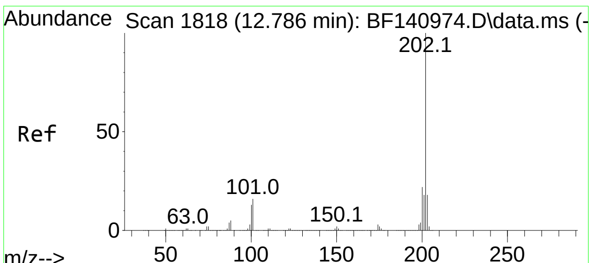
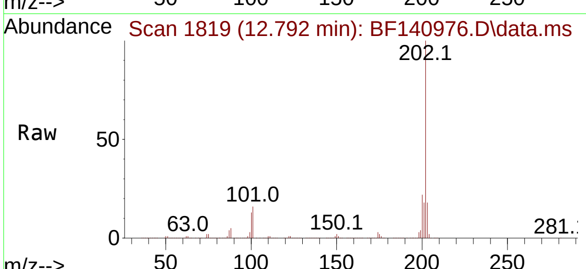
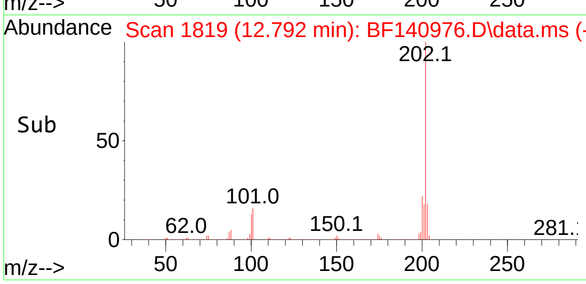




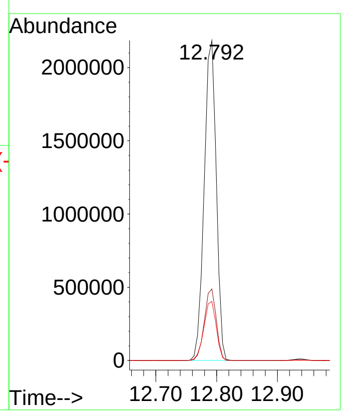




#78
Pyrene
Concen: 63.146 ng
RT: 12.792 min Scan# 1819
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:202 Resp: 3019750

Ion	Ratio	Lower	Upper
202	100		
200	22.3	17.3	25.9
203	18.5	14.6	21.8



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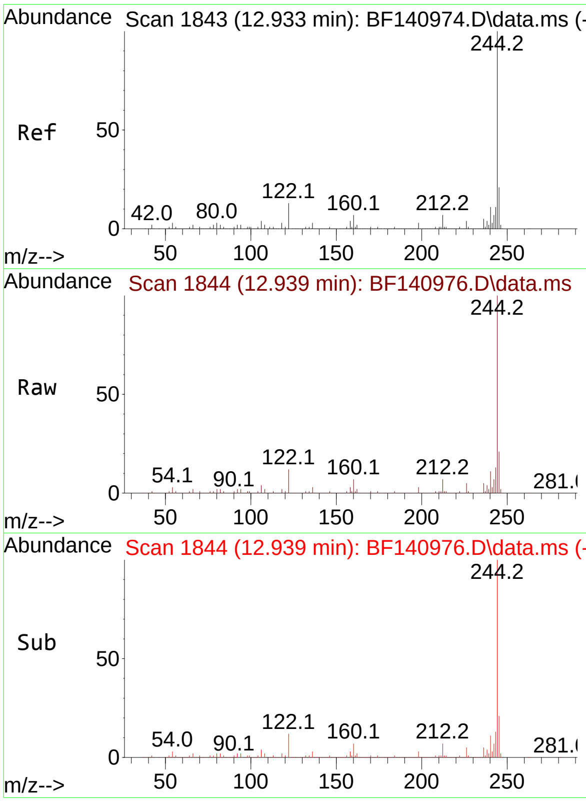

#79
Terphenyl-d14
Concen: 123.586 ng
RT: 12.939 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:244 Resp: 406842

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.7	8.5
122	11.7	10.2	15.2

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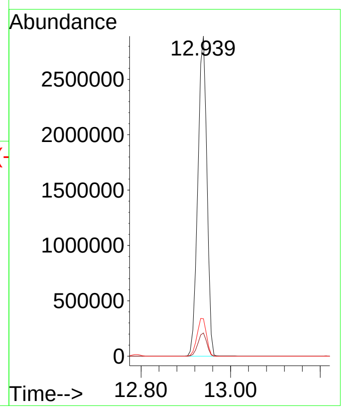
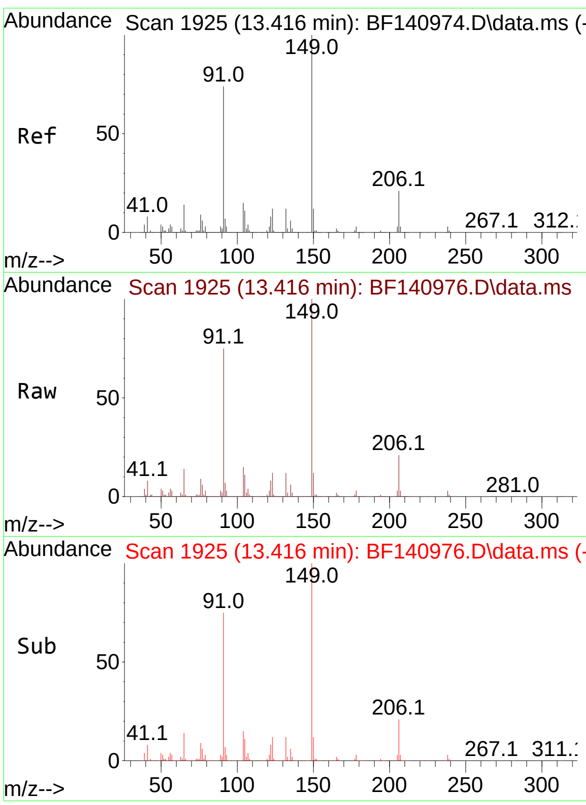
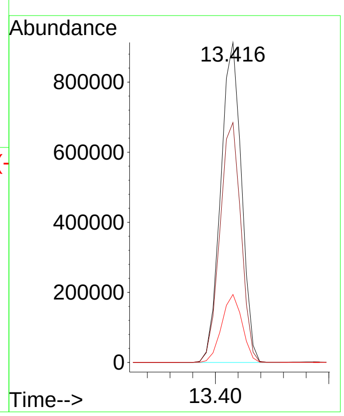




#80
Butylbenzylphthalate
Concen: 66.663 ng
RT: 13.416 min Scan# 1925
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:149 Resp: 1164076

Ion	Ratio	Lower	Upper
149	100		
91	75.0	59.5	89.3
206	21.3	17.1	25.7



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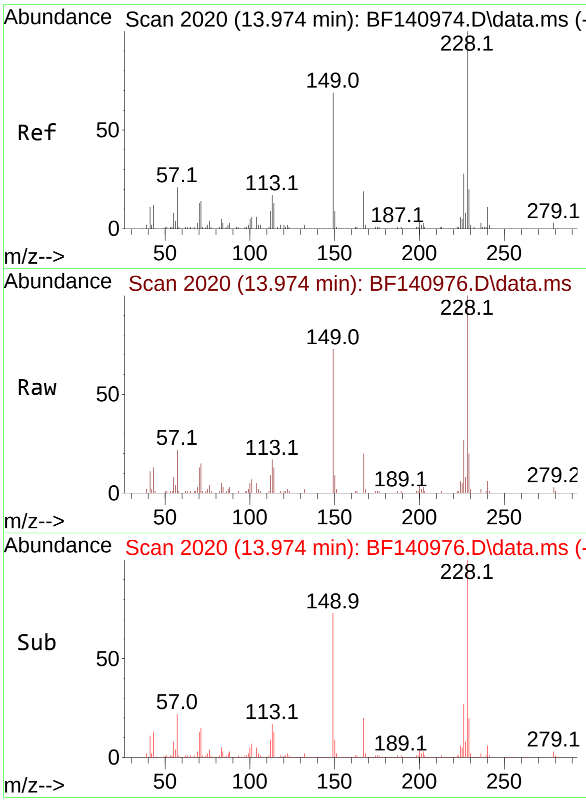
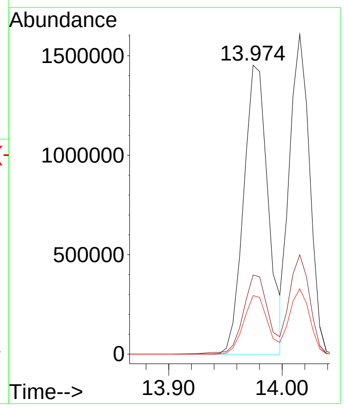


#81
Benzo(a)anthracene
Concen: 57.454 ng
RT: 13.974 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:228 Resp: 218949

Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.1	33.1
229	20.3	16.2	24.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

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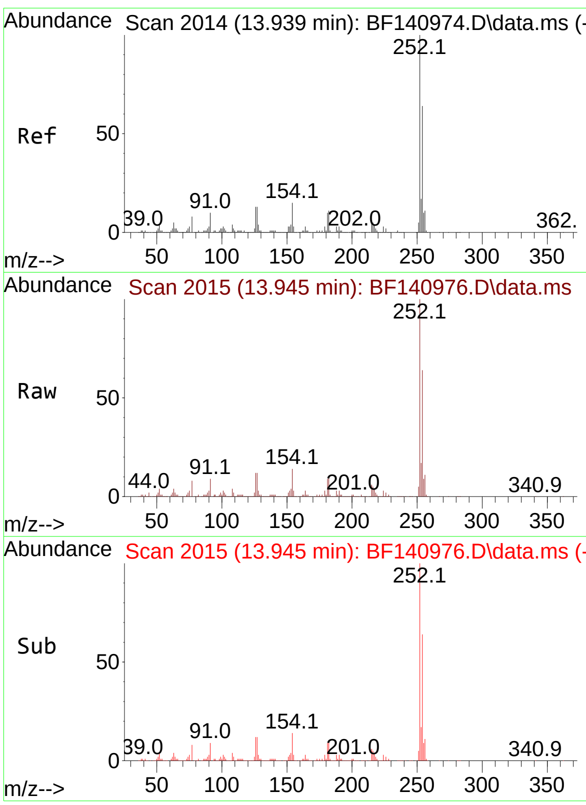
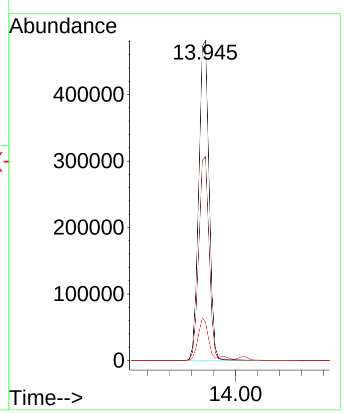
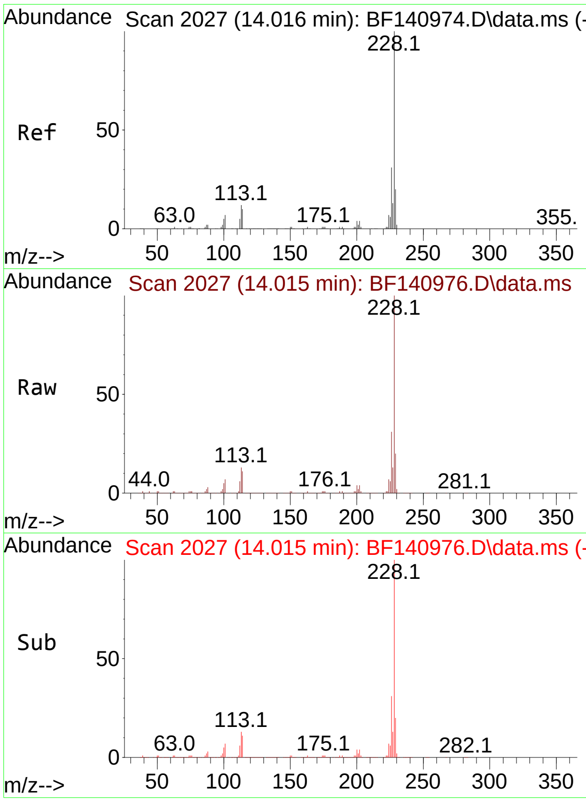


#82
3,3'-Dichlorobenzidine
Concen: 55.291 ng
RT: 13.945 min Scan# 2015
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:252 Resp: 633054

Ion	Ratio	Lower	Upper
252	100		
254	63.7	51.5	77.3
126	12.0	10.3	15.5





#83
Chrysene
Concen: 57.618 ng
RT: 14.015 min Scan# 2(
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Tgt Ion:228 Resp: 197937(

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.5	36.7
229	20.5	16.2	24.4

Manual Integrations
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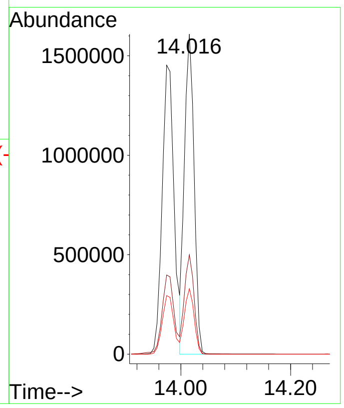
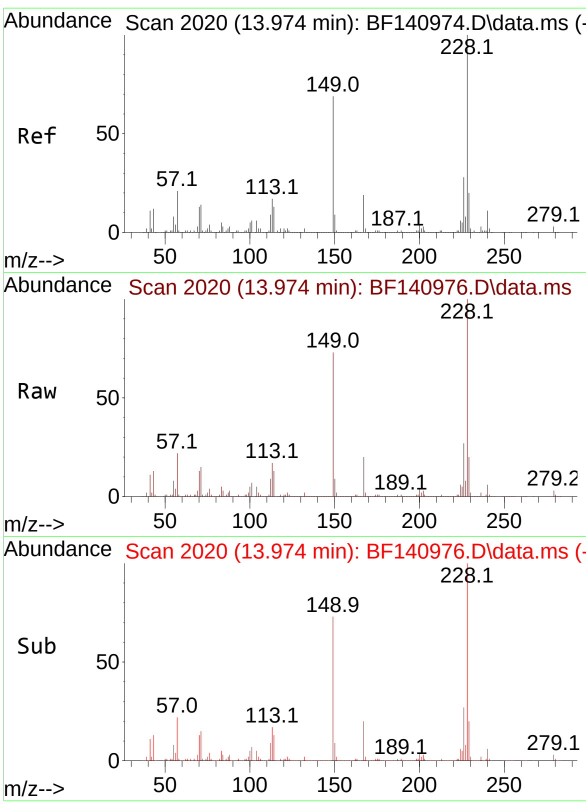
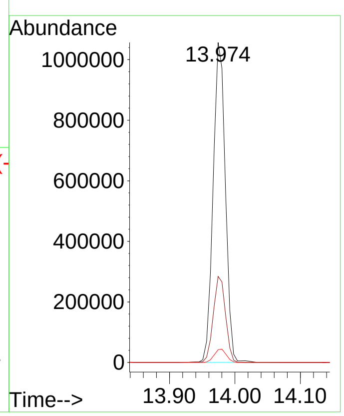




#84
Bis(2-ethylhexyl)phthalate
Concen: 60.602 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:149 Resp: 1372706

Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.6	32.4
279	4.0	3.2	4.8



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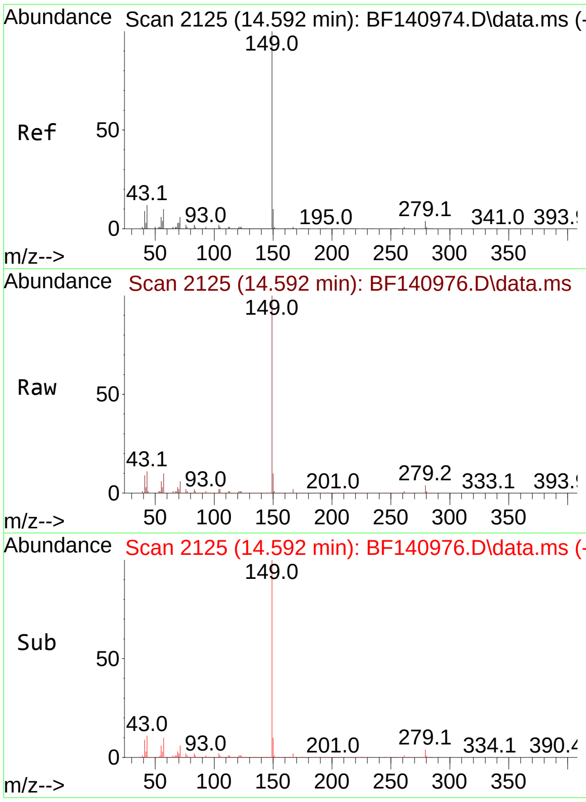
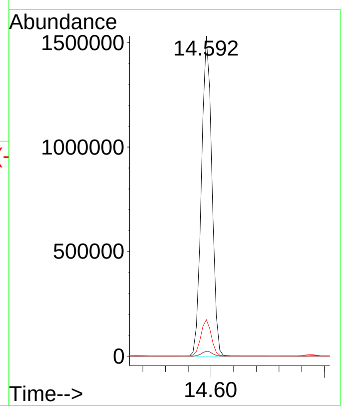


#85
Di-n-octyl phthalate
Concen: 59.679 ng
RT: 14.592 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:149 Resp: 1956498

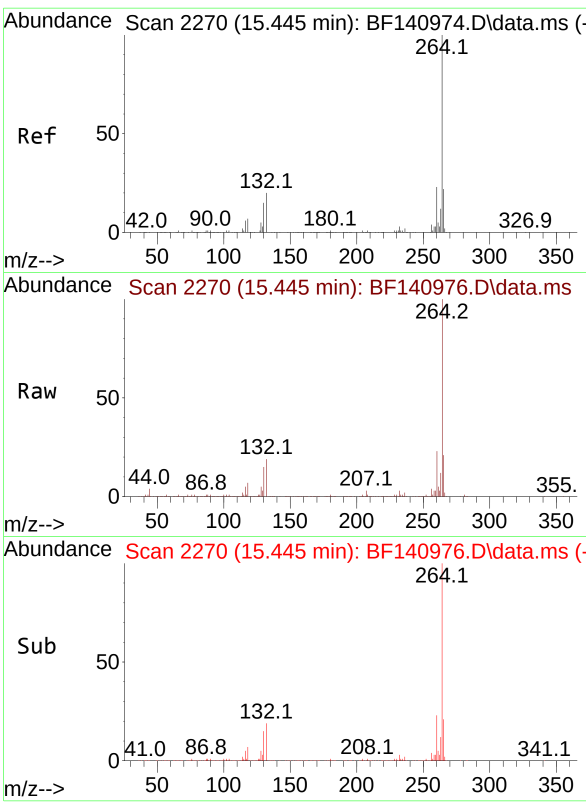
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	11.3	9.3	13.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

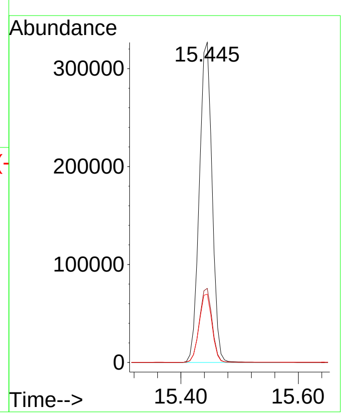
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024



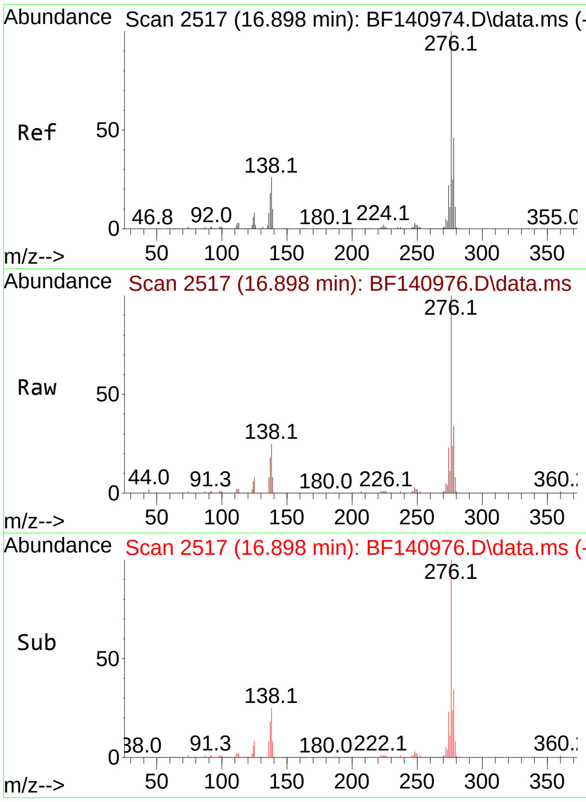
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2270
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:264 Resp: 494154

Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.7	28.1
265	21.3	17.4	26.2



ICAL Form



#87
Indeno(1,2,3-cd)pyrene
Concen: 68.495 ng
RT: 16.898 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

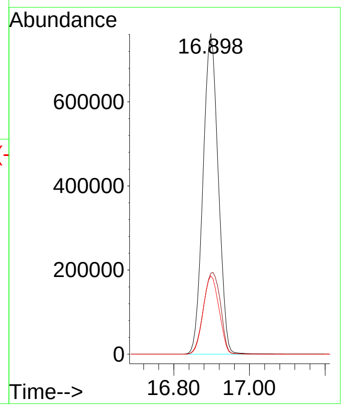
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

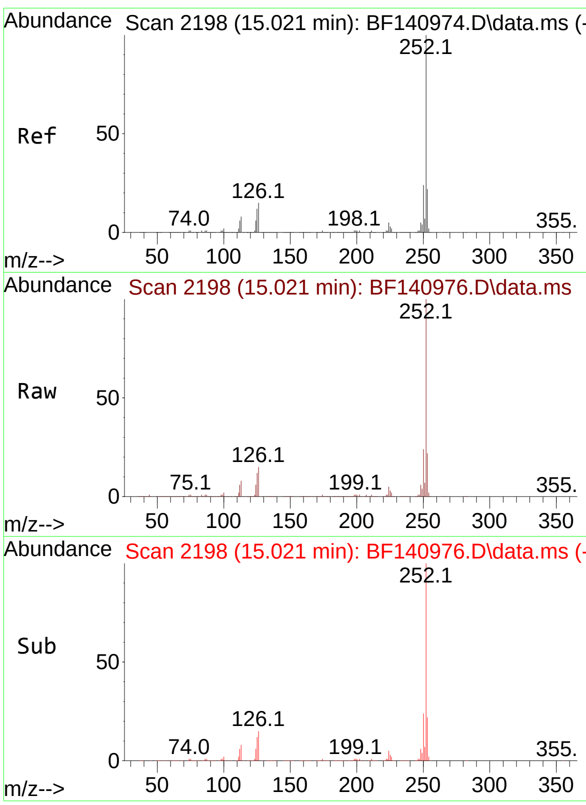
Tgt Ion:276 Resp: 213243

Ion	Ratio	Lower	Upper
276	100		
138	28.5	23.1	34.7
277	25.5	20.4	30.6

Manual Integrations APPROVED

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

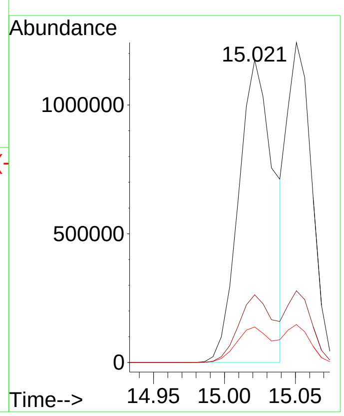




#88
Benzo(b)fluoranthene
Concen: 58.595 ng
RT: 15.021 min Scan# 2198
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:252 Resp: 2019420

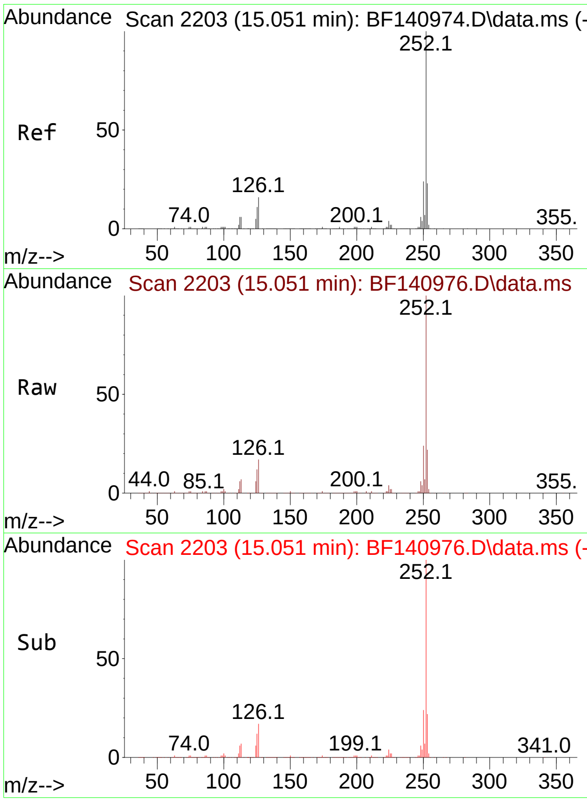
Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.7	26.5
125	11.7	9.3	13.9



Instrument :
BNA_F
ClientSampleId :
SSTDICC060

Manual Integrations APPROVED

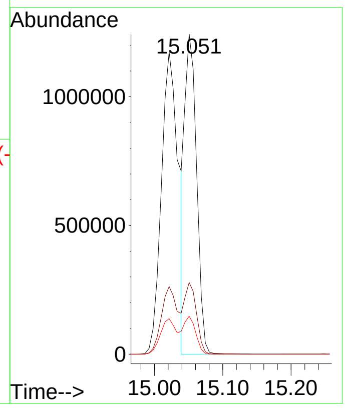
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

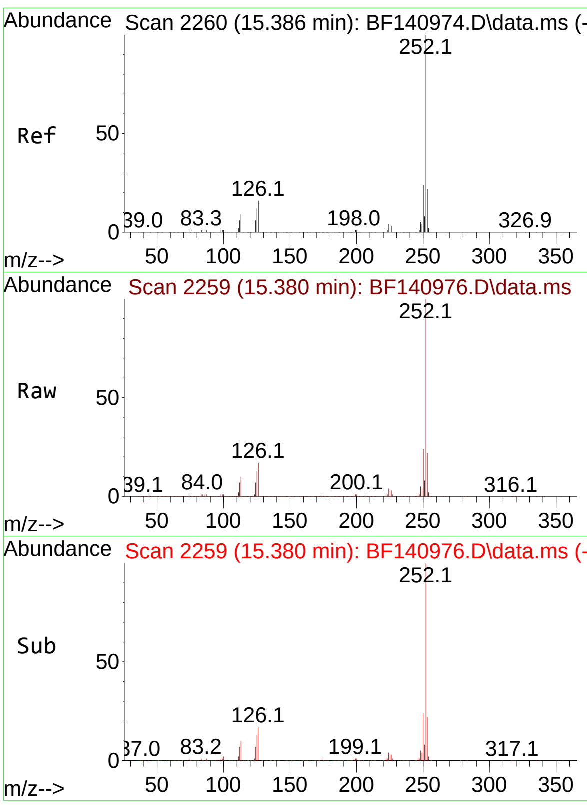


#89
Benzo(k)fluoranthene
Concen: 55.778 ng
RT: 15.051 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:252 Resp: 150668

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.8
125	11.9	9.4	14.0

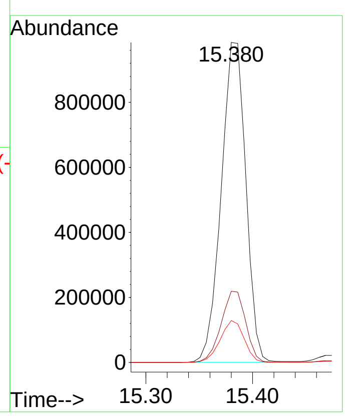




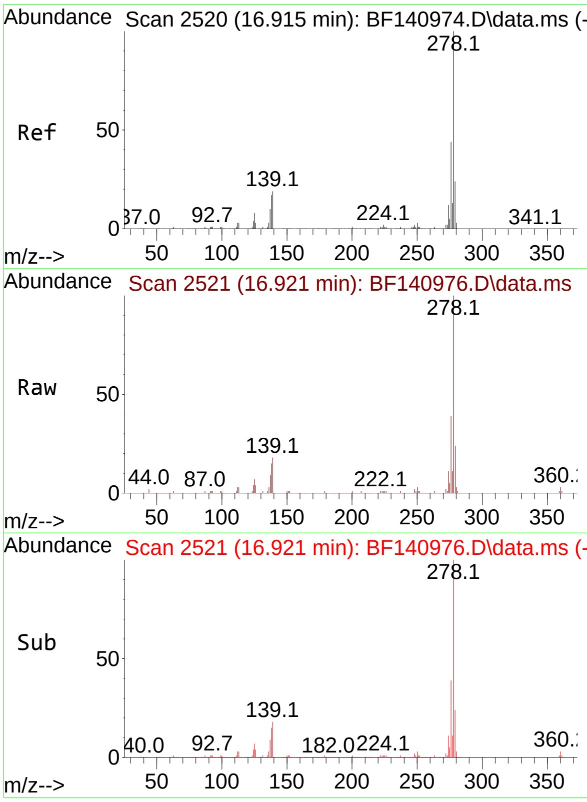
#90
Benzo(a)pyrene
Concen: 59.020 ng
RT: 15.380 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:252 Resp: 1578812

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.2	25.8
125	13.1	9.8	14.8



ICAL Form



#91
Dibenzo(a,h)anthracene
Concen: 68.425 ng
RT: 16.921 min Scan# 2!
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

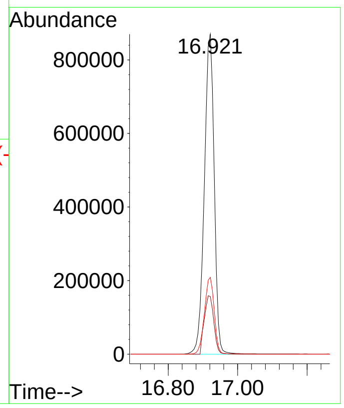
Instrument :
BNA_F
ClientSampleId :
SSTDICC060

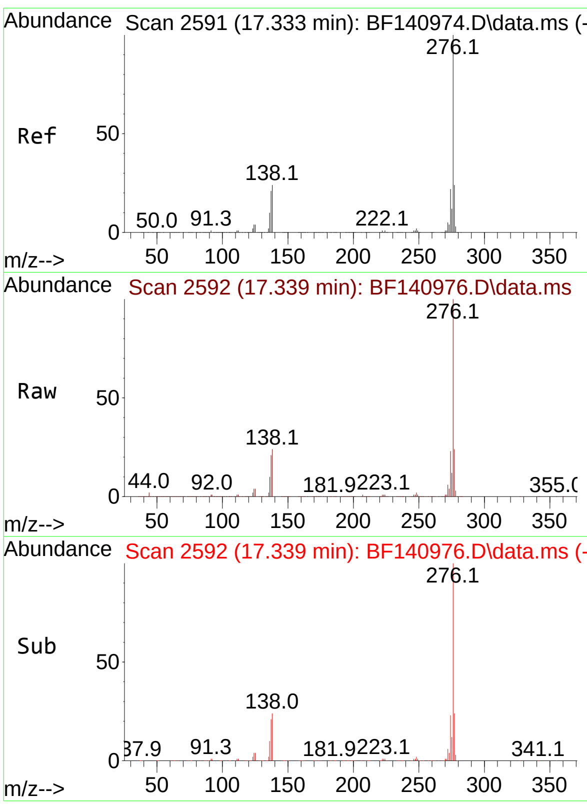
Tgt Ion:278 Resp: 172681!

Ion	Ratio	Lower	Upper
278	100		
139	18.1	14.9	22.3
279	24.0	19.0	28.6

Manual Integrations APPROVED

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

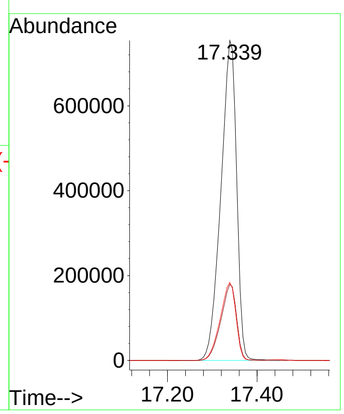




#92
Benzo(g,h,i)perylene
Concen: 70.421 ng
RT: 17.339 min Scan# 2592
Delta R.T. 0.006 min
Lab File: BF140976.D
Acq: 26 Dec 2024 18:59

Tgt Ion:276 Resp: 1843269

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.0	28.4
138	24.4	19.4	29.2



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140977.D
Acq On : 26 Dec 2024 19:25
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

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

Quant Time: Dec 27 00:27:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:11:18 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	6.834	152	256235	20.000	ng		0.00
21) Naphthalene-d8	8.116	136	977409	20.000	ng		0.00
39) Acenaphthene-d10	9.863	164	517561	20.000	ng		0.00
64) Phenanthrene-d10	11.351	188	905973	20.000	ng		0.00
76) Chrysene-d12	13.992	240	487461	20.000	ng		0.00
86) Perylene-d12	15.445	264	520884	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.440	112	2368484	139.333	ng		0.00
7) Phenol-d6	6.457	99	3074263	140.390	ng		0.00
23) Nitrobenzene-d5	7.398	82	2604239	170.465	ng		0.00
42) 2,4,6-Tribromophenol	10.657	330	822230	163.492	ng		0.00
45) 2-Fluorobiphenyl	9.187	172	4166122	128.248	ng		0.00
79) Terphenyl-d14	12.939	244	4715646	160.683	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	2.552	88	572464	74.386	ng		100
3) Pyridine	3.305	79	1340918	71.297	ng		100
4) n-Nitrosodimethylamine	3.263	42	724146	75.991	ng		100
6) Aniline	6.534	93	1154312m	59.104	ng		
8) 2-Chlorophenol	6.616	128	1257135	70.145	ng		99
10) Phenol	6.475	94	1587534	70.111	ng		95
11) bis(2-Chloroethyl)ether	6.575	93	1392292m	76.224	ng		
12) 1,3-Dichlorobenzene	6.775	146	1375754	69.557	ng		99
13) 1,4-Dichlorobenzene	6.851	146	1392839	69.856	ng		100
14) 1,2-Dichlorobenzene	7.004	146	1265701	68.084	ng		99
15) Benzyl Alcohol	6.975	79	1122638	71.342	ng		99
16) 2,2'-oxybis(1-Chloropr...	7.110	45	1929216	69.775	ng		99
17) 2-Methylphenol	7.081	107	1092114	73.350	ng		99
18) Hexachloroethane	7.345	117	520192	73.443	ng		97
19) n-Nitroso-di-n-propyla...	7.257	70	941090	70.150	ng		99
20) 3+4-Methylphenols	7.240	107	1265999	67.191	ng	#	85
22) Acetophenone	7.245	105	1646630	68.675	ng	#	95
24) Nitrobenzene	7.422	77	1399699	81.994	ng		97
25) Isophorone	7.657	82	2454830	73.842	ng		99
26) 2-Nitrophenol	7.728	139	593981	80.829	ng		96
27) 2,4-Dimethylphenol	7.763	122	900268	74.098	ng		99
28) bis(2-Chloroethoxy)met...	7.869	93	1499425	71.188	ng		99
29) 2,4-Dichlorophenol	7.969	162	1033455	74.999	ng		99
30) 1,2,4-Trichlorobenzene	8.057	180	1119798	71.799	ng		100
31) Naphthalene	8.140	128	3488407	67.732	ng		99
32) Benzoic acid	7.898	122	869866	80.749	ng		99
33) 4-Chloroaniline	8.192	127	1373750	73.729	ng		100
34) Hexachlorobutadiene	8.251	225	663193	72.129	ng		99
35) Caprolactam	8.569	113	369167	78.800	ng		100
36) 4-Chloro-3-methylphenol	8.657	107	1144506	74.790	ng		98
37) 2-Methylnaphthalene	8.822	142	2270301	68.904	ng		100
38) 1-Methylnaphthalene	8.922	142	2231397	68.910	ng		100
40) 1,2,4,5-Tetrachloroben...	8.987	216	1015621	71.328	ng		100
41) Hexachlorocyclopentadiene	8.975	237	373217	79.096	ng		100
43) 2,4,6-Trichlorophenol	9.098	196	733660	77.418	ng		100
44) 2,4,5-Trichlorophenol	9.134	196	735644	75.868	ng		100

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140977.D
Acq On : 26 Dec 2024 19:25
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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

Quant Time: Dec 27 00:27:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:11:18 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) 1,1'-Biphenyl	9.292	154	2671996	67.425	ng		99
47) 2-Chloronaphthalene	9.316	162	2134444	69.446	ng		99
48) 2-Nitroaniline	9.404	65	672379	80.177	ng		97
49) Acenaphthylene	9.728	152	3058781	69.133	ng		98
50) Dimethylphthalate	9.592	163	2454844	72.109	ng		99
51) 2,6-Dinitrotoluene	9.651	165	571642	79.723	ng		100
52) Acenaphthene	9.904	154	2125174	71.048	ng		99
53) 3-Nitroaniline	9.822	138	618458	79.606	ng	#	94
54) 2,4-Dinitrophenol	9.922	184	217487	79.264	ng	#	1
55) Dibenzofuran	10.075	168	2876315	68.424	ng		99
56) 4-Nitrophenol	9.969	139	520450	89.372	ng		97
57) 2,4-Dinitrotoluene	10.051	165	704156	79.614	ng		97
58) Fluorene	10.416	166	2204698	67.635	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.186	232	624965	77.824	ng		99
60) Diethylphthalate	10.292	149	2431548	72.349	ng		99
61) 4-Chlorophenyl-phenyle...	10.410	204	1077930	68.724	ng		98
62) 4-Nitroaniline	10.439	138	622110	80.074	ng		97
63) Azobenzene	10.569	77	2525786	71.600	ng		99
65) 4,6-Dinitro-2-methylph...	10.463	198	323476	81.463	ng		98
66) n-Nitrosodiphenylamine	10.528	169	2022411	70.890	ng		99
67) 4-Bromophenyl-phenylether	10.898	248	713807	72.884	ng		99
68) Hexachlorobenzene	10.963	284	798823	73.971	ng		99
70) Pentachlorophenol	11.151	266	559728	83.248	ng		100
71) Phenanthrene	11.375	178	3286287	68.921	ng		99
72) Anthracene	11.428	178	3204142	68.578	ng		99
73) Carbazole	11.580	167	3104460	69.118	ng		99
74) Di-n-butylphthalate	11.916	149	3587776	70.229	ng		99
75) Fluoranthene	12.563	202	3500378	67.687	ng		99
77) Benzidine	12.680	184	783695	76.072	ng		99
78) Pyrene	12.792	202	3514654	82.441	ng		99
80) Butylbenzylphthalate	13.416	149	1323506	85.018	ng		98
81) Benzo(a)anthracene	13.980	228	2440118	71.825	ng		100
82) 3,3'-Dichlorobenzidine	13.945	252	735658	72.073	ng		99
83) Chrysene	14.016	228	2321200	75.793	ng		100
84) Bis(2-ethylhexyl)phtha...	13.974	149	1545595	76.541	ng		100
85) Di-n-octyl phthalate	14.598	149	2322268	79.458	ng		100
87) Indeno(1,2,3-cd)pyrene	16.904	276	2898446	88.322	ng		99
88) Benzo(b)fluoranthene	15.027	252	2657521	73.152	ng		100
89) Benzo(k)fluoranthene	15.057	252	1897702	66.649	ng		100
90) Benzo(a)pyrene	15.392	252	2098162	74.410	ng		99
91) Dibenzo(a,h)anthracene	16.927	278	2334266	87.749	ng		99
92) Benzo(g,h,i)perylene	17.351	276	2487019	90.139	ng		99

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

Quantitation Report (QT Reviewed)

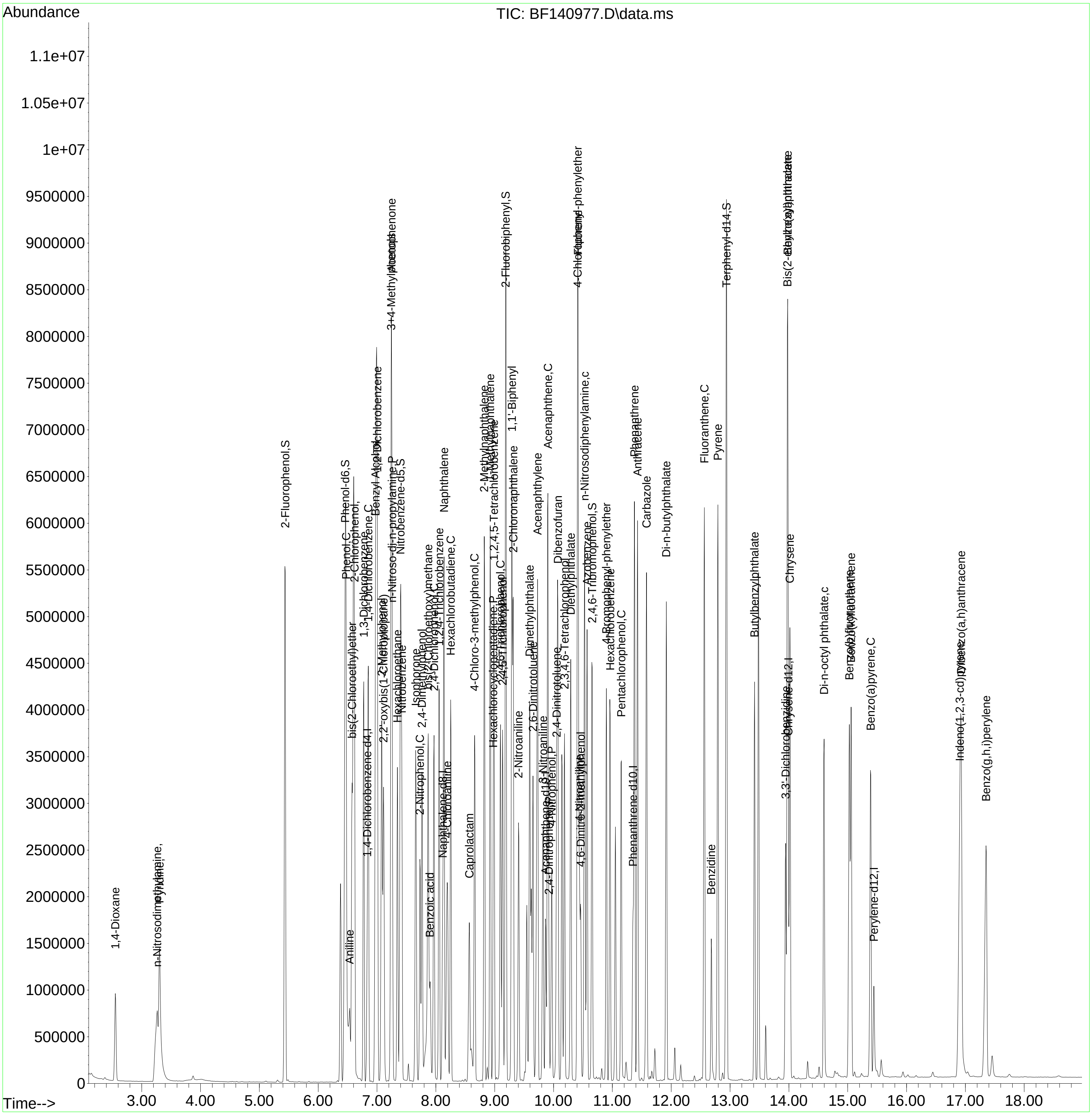
ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140977.D
Acq On : 26 Dec 2024 19:25
Operator : RC/JU
Sample : SSTDICC080
Misc :
ALS Vial : 9 Sample Multiplier: 1

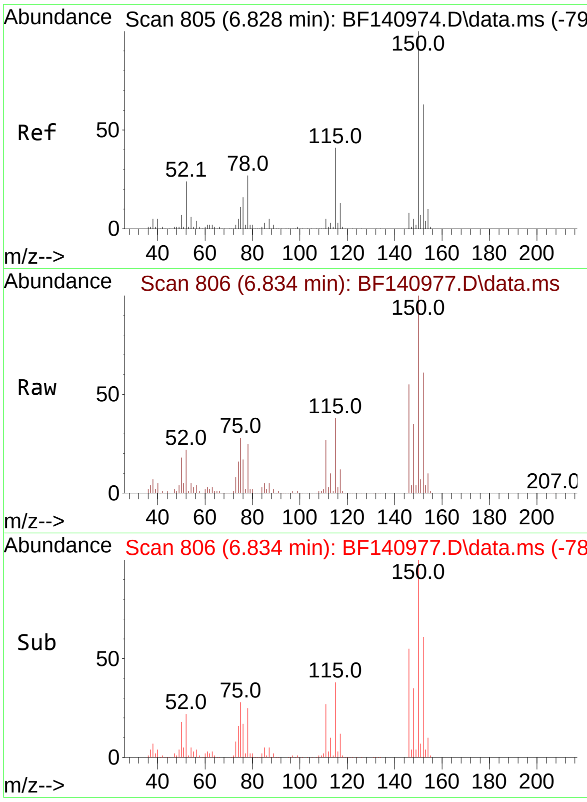
Quant Time: Dec 27 00:27:43 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:11:18 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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



ICAL Form



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.834 min   Scan# 8
Delta R.T.   0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024   19:25

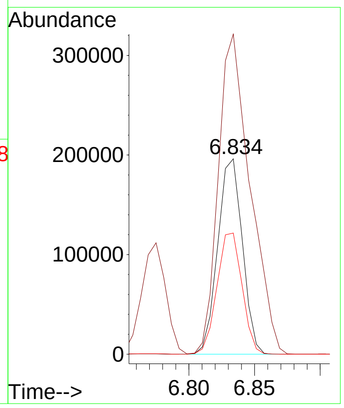
Tgt Ion:152 Resp: 25623

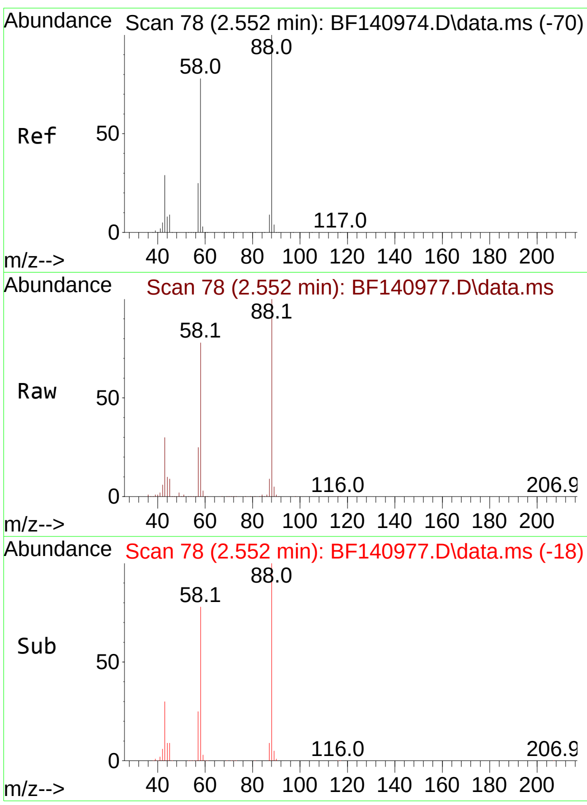
Ion	Ratio	Lower	Upper
152	100		
150	163.7	127.0	190.6
115	62.0	51.7	77.5

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

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

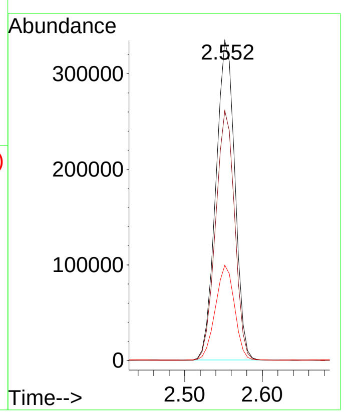




#2
1,4-Dioxane
Concen: 74.386 ng
RT: 2.552 min   Scan# 78
Delta R.T.   0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024   19:25

Tgt Ion: 88 Resp: 572464

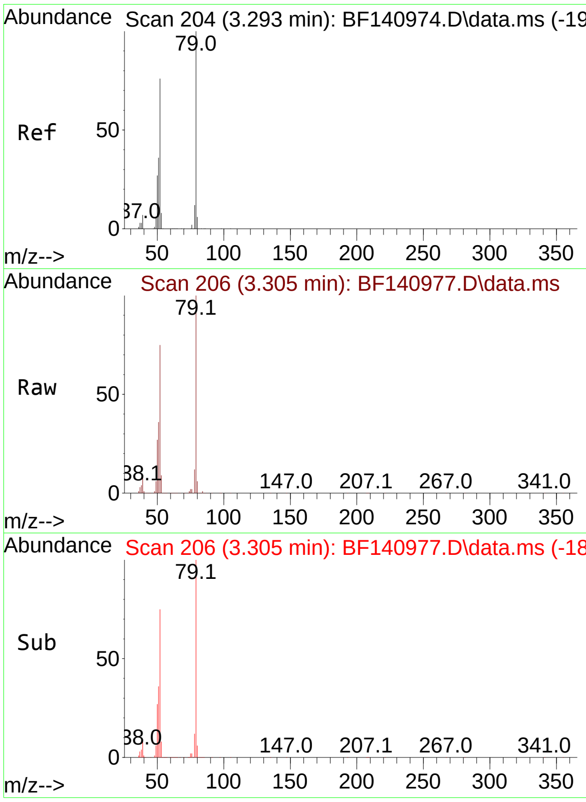
Ion	Ratio	Lower	Upper
88	100		
58	78.4	63.0	94.4
43	29.7	23.4	35.2



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations APPROVED

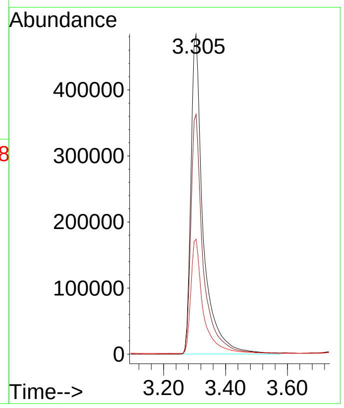
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

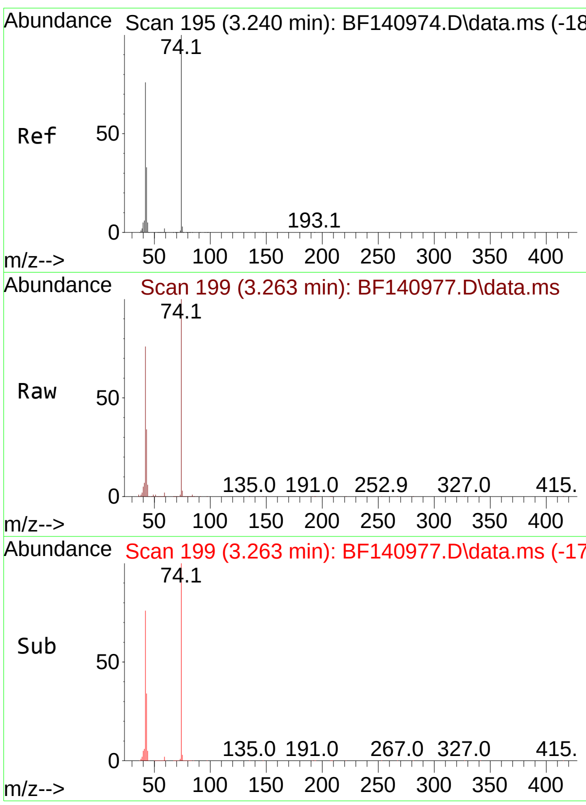


#3
Pyridine
Concen: 71.297 ng
RT: 3.305 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion: 79 Resp: 134091

Ion	Ratio	Lower	Upper
79	100		
52	75.0	60.4	90.6
51	36.0	28.8	43.2

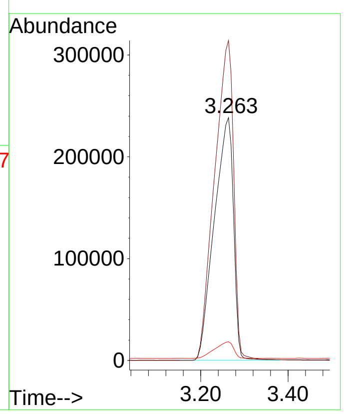




#4
n-Nitrosodimethylamine
Concen: 75.991 ng
RT: 3.263 min Scan# 199
Delta R.T. 0.024 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion: 42 Resp: 724146

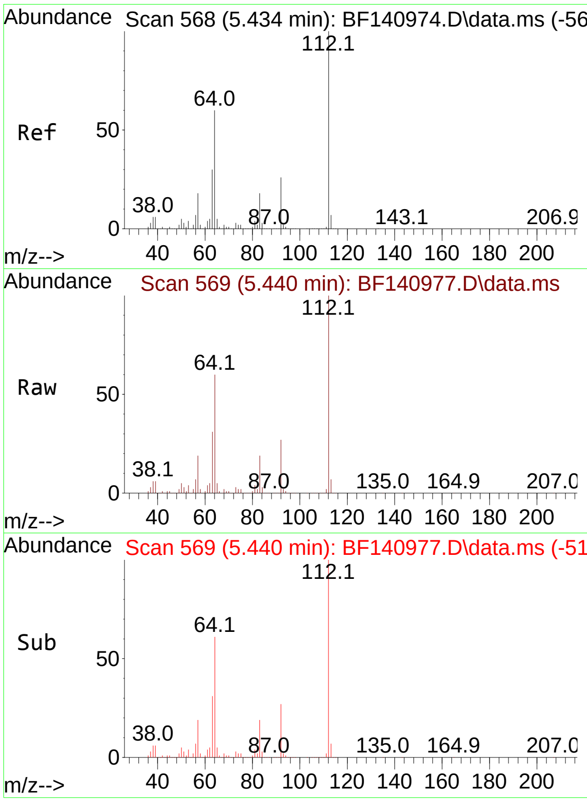
Ion	Ratio	Lower	Upper
42	100		
74	131.8	105.8	158.6
44	7.7	6.6	10.0



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

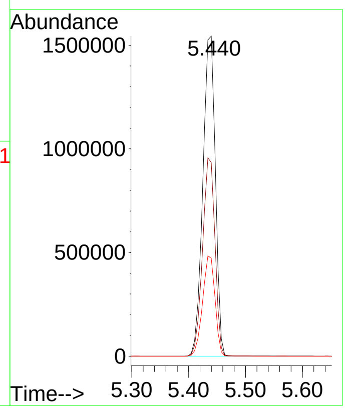
Manual Integrations APPROVED

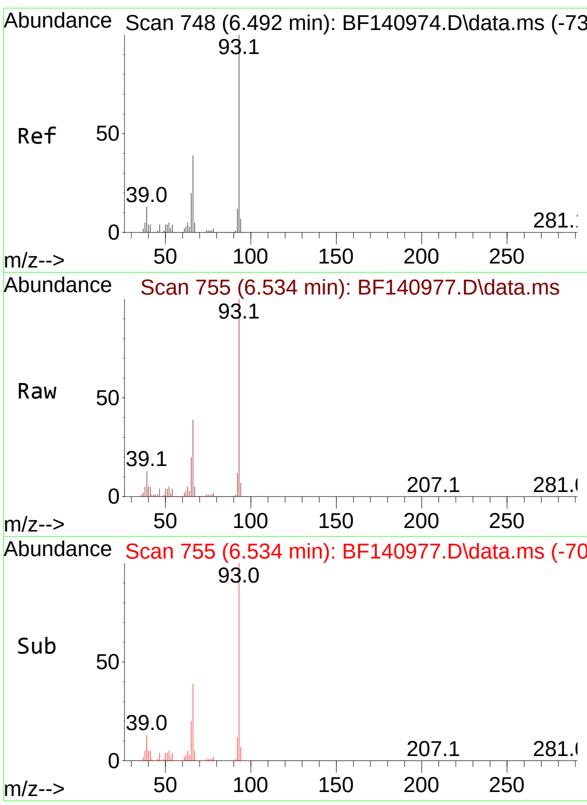
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024




```
#5
2-Fluorophenol
Concen:  139.333 ng
RT:    5.440 min  Scan# 5
Delta R.T.  0.006 min
Lab File:   BF140977.D
Acq: 26 Dec 2024  19:25

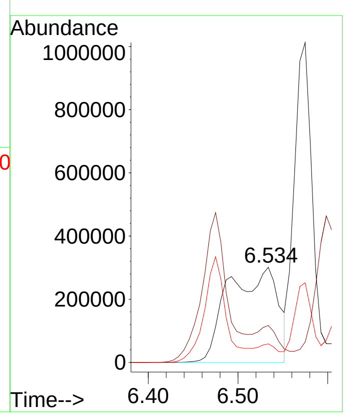
Tgt Ion:112 Resp: 2368484
Ion  Ratio  Lower  Upper
112  100
 64   60.5   47.7   71.5
 63   30.6   24.2   36.2
```



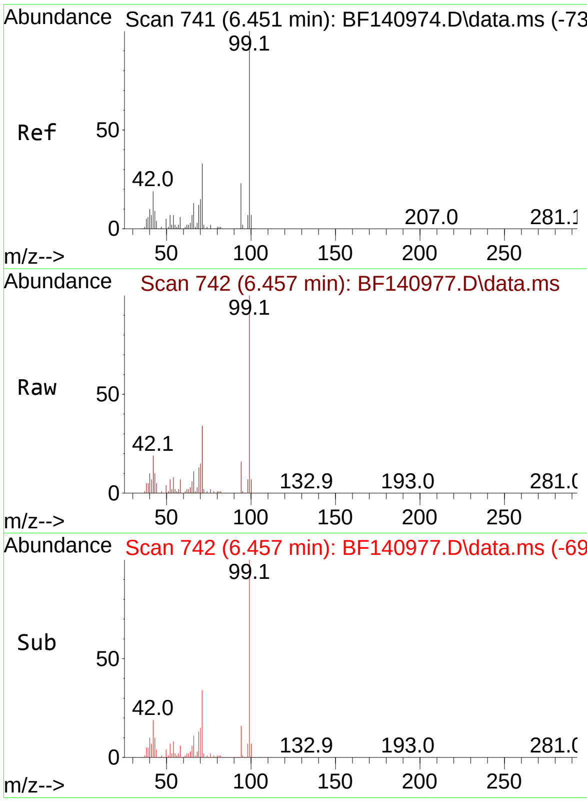



```
#6
Aniline
Concen:   59.104 ng  m
RT:    6.534 min  Scan# 755
Delta R.T.  0.024 min
Lab File:   BF140977.D
Acq: 26 Dec 2024  19:25

Tgt Ion: 93 Resp: 1154312
Ion  Ratio  Lower  Upper
 93  100
 66   38.8   31.8   47.8
 65   19.6   15.4   23.0
```



ICAL Form



#7
Phenol-d6
Concen: 140.390 ng
RT: 6.457 min Scan# 74
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion: 99 Resp: 307426

Ion	Ratio	Lower	Upper
99	100		
42	19.4	15.0	22.4
71	34.5	26.2	39.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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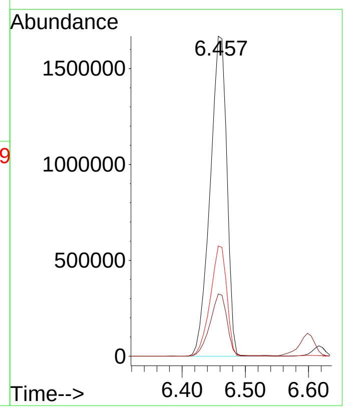
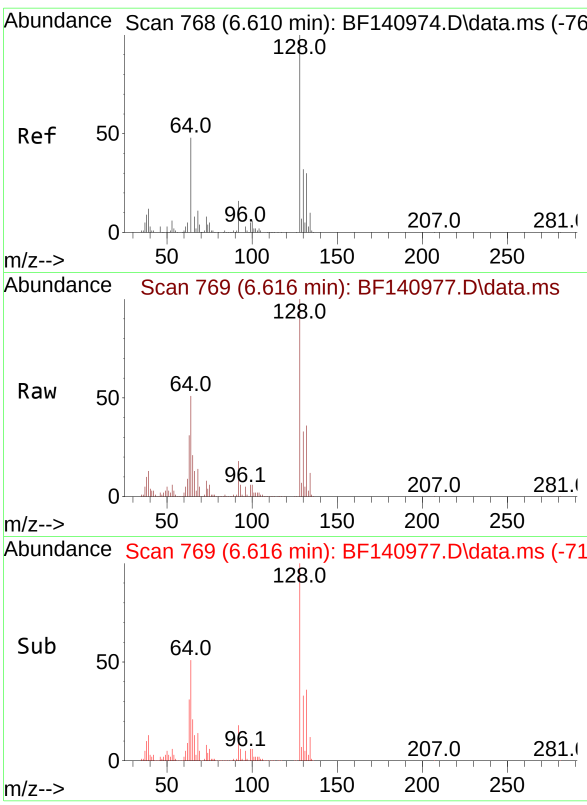
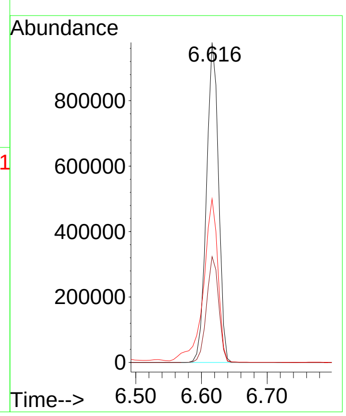


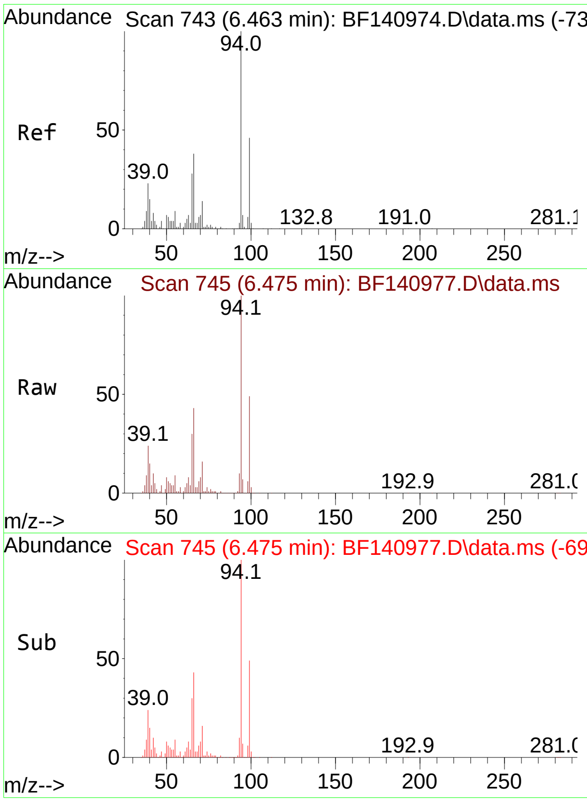


#8
2-Chlorophenol
Concen: 70.145 ng
RT: 6.616 min Scan# 769
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:128 Resp: 1257135

Ion	Ratio	Lower	Upper
128	100		
130	33.1	12.2	52.2
64	51.2	30.3	70.3





#10
Phenol
Concen: 70.111 ng
RT: 6.475 min Scan# 74
Delta R.T. 0.012 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion: 94 Resp: 158753

Ion	Ratio	Lower	Upper
94	100		
65	29.9	8.1	48.1
66	42.5	18.7	58.7

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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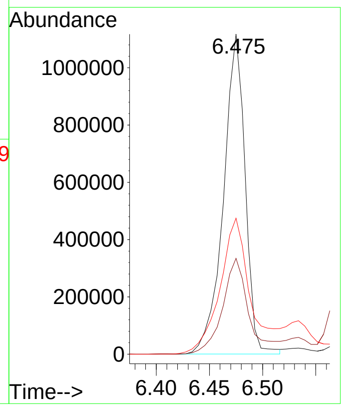
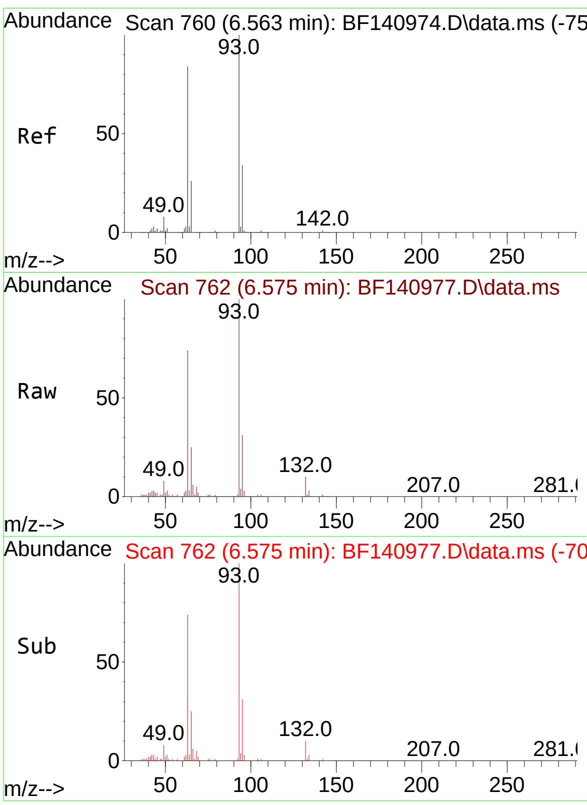
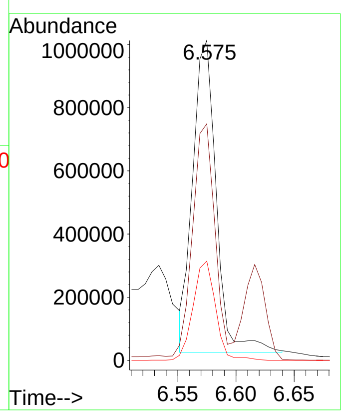




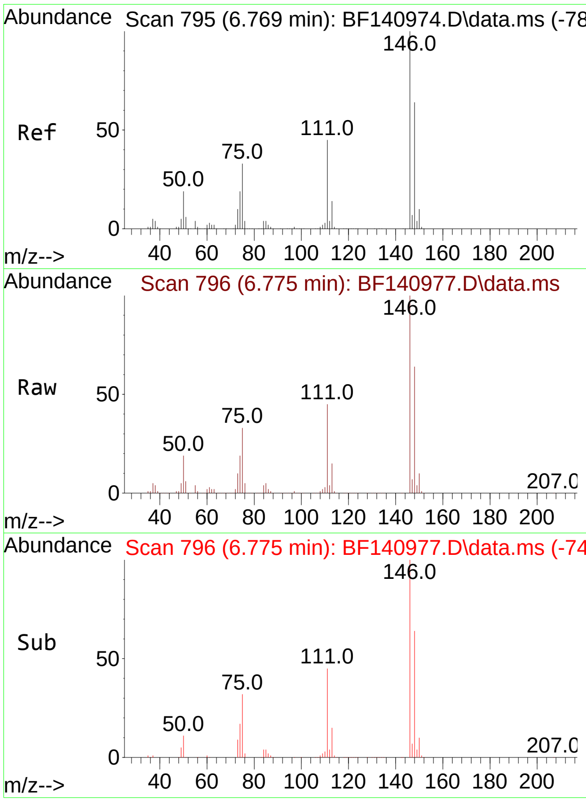
#11
bis(2-Chloroethyl)ether
Concen: 76.224 ng m
RT: 6.575 min Scan# 762
Delta R.T. 0.012 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion: 93 Resp: 1392292

Ion	Ratio	Lower	Upper
93	100		
63	74.0	60.3	100.3
95	31.0	12.2	52.2



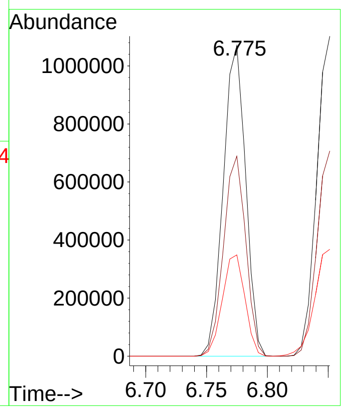
ICAL Form



#12
1,3-Dichlorobenzene
Concen: 69.557 ng
RT: 6.775 min Scan# 79
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:146 Resp: 137575

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.0	76.4
75	32.6	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
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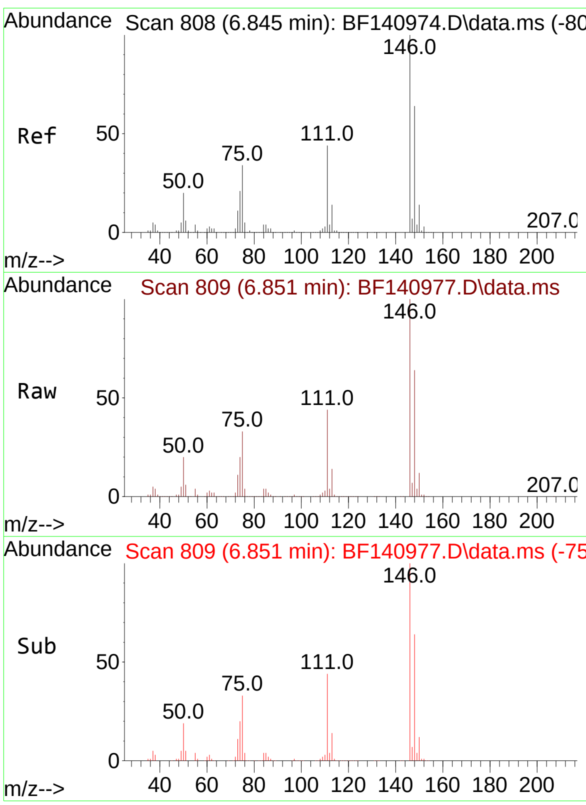
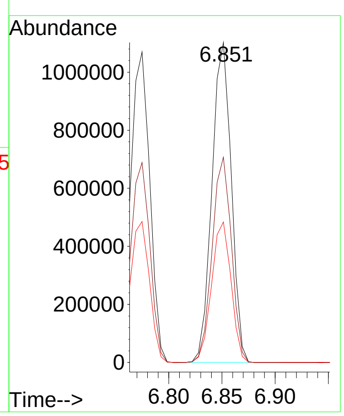


#13
1,4-Dichlorobenzene
Concen: 69.856 ng
RT: 6.851 min Scan# 809
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:146 Resp: 1392839

Ion	Ratio	Lower	Upper
146	100		
148	64.2	51.3	76.9
111	43.9	35.3	52.9



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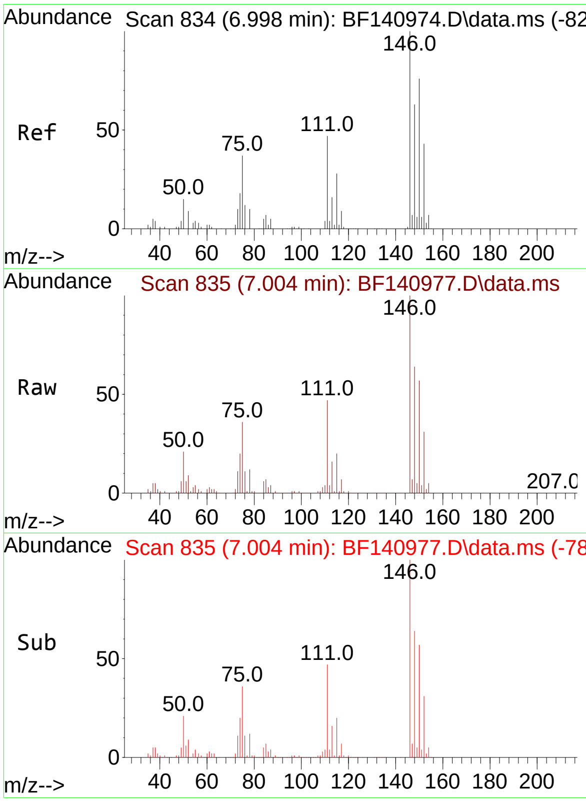
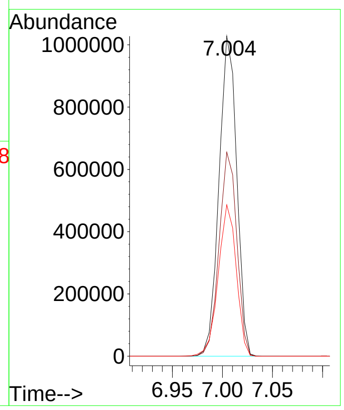


#14
1,2-Dichlorobenzene
Concen: 68.084 ng
RT: 7.004 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:146 Resp: 126570

Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.6	76.0
111	47.3	37.3	55.9



Instrument :
BNA_F
ClientSampleId :
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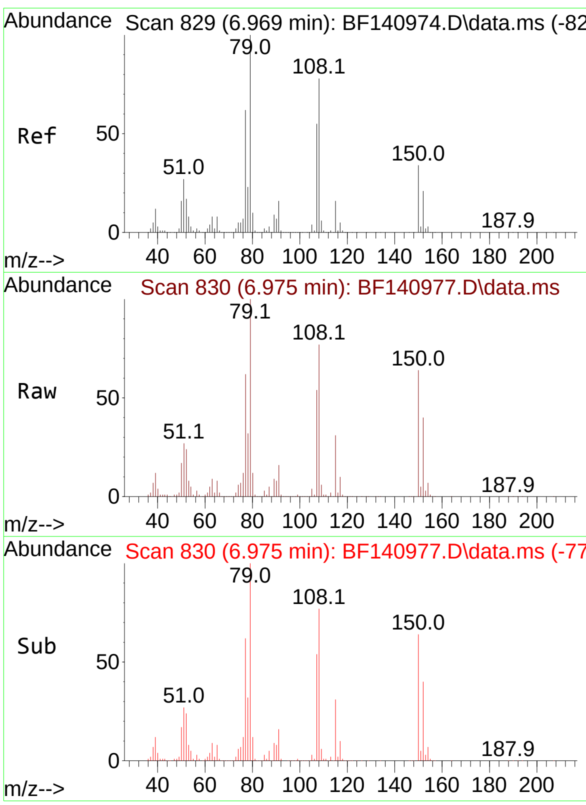
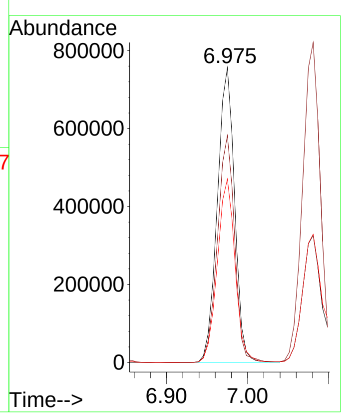


#15
Benzyl Alcohol
Concen: 71.342 ng
RT: 6.975 min Scan# 830
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion: 79 Resp: 1122638

Ion	Ratio	Lower	Upper
79	100		
108	77.0	62.5	93.7
77	62.2	49.3	73.9



Instrument :
BNA_F
ClientSampleId :
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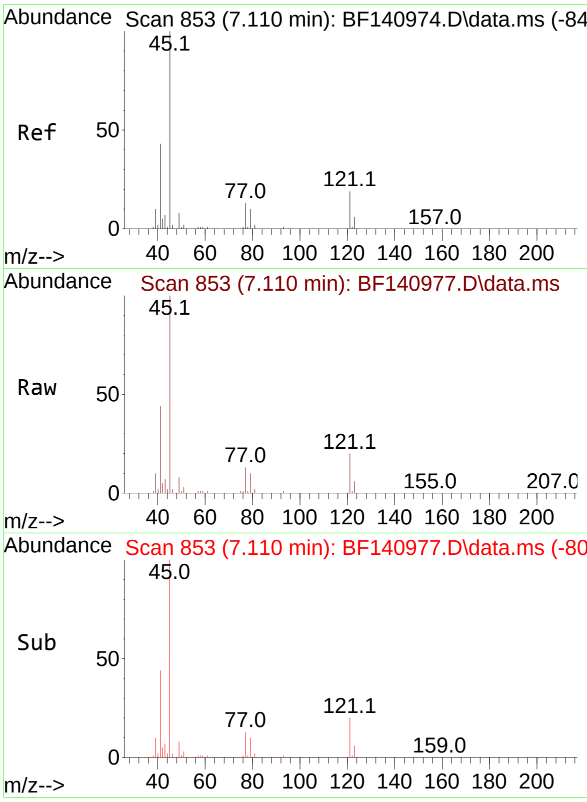
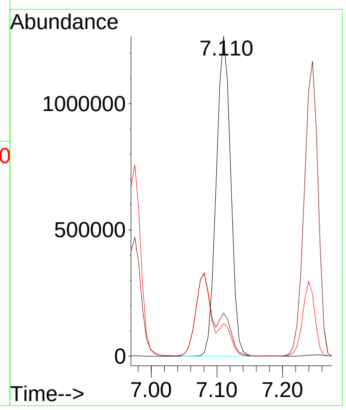
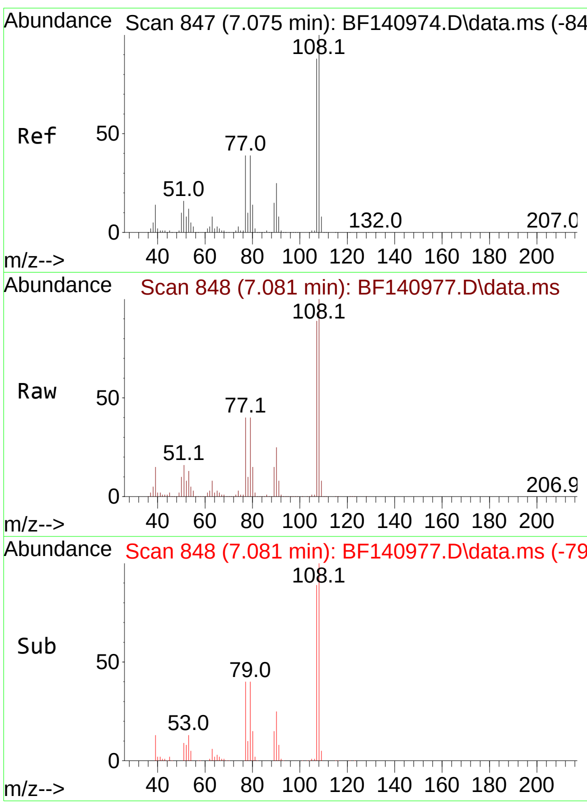


#16
2,2'-oxybis(1-Chloropropane)
Concen: 69.775 ng
RT: 7.110 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion: 45 Resp: 192921

Ion	Ratio	Lower	Upper
45	100		
77	13.5	0.0	33.1
79	10.2	0.0	30.1

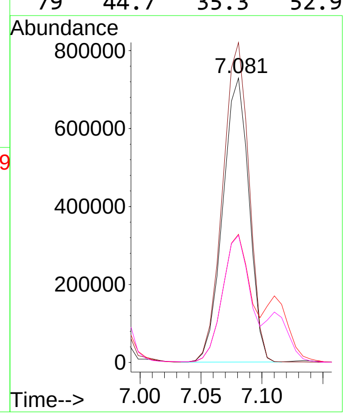




#17
2-Methylphenol
Concen: 73.350 ng
RT: 7.081 min Scan# 848
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:107 Resp: 1092114

Ion	Ratio	Lower	Upper
107	100		
108	112.5	90.6	136.0
77	45.1	35.3	52.9
79	44.7	35.3	52.9



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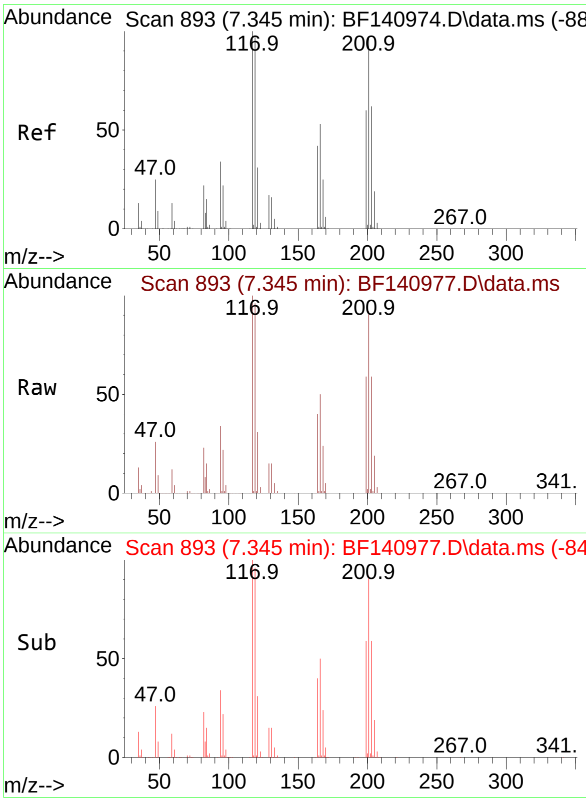

#18
Hexachloroethane
Concen: 73.443 ng
RT: 7.345 min Scan# 89
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:117 Resp: 52019

Ion	Ratio	Lower	Upper
117	100		
119	96.4	77.5	116.3
201	92.1	77.4	116.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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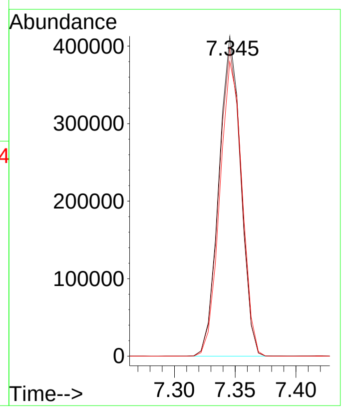
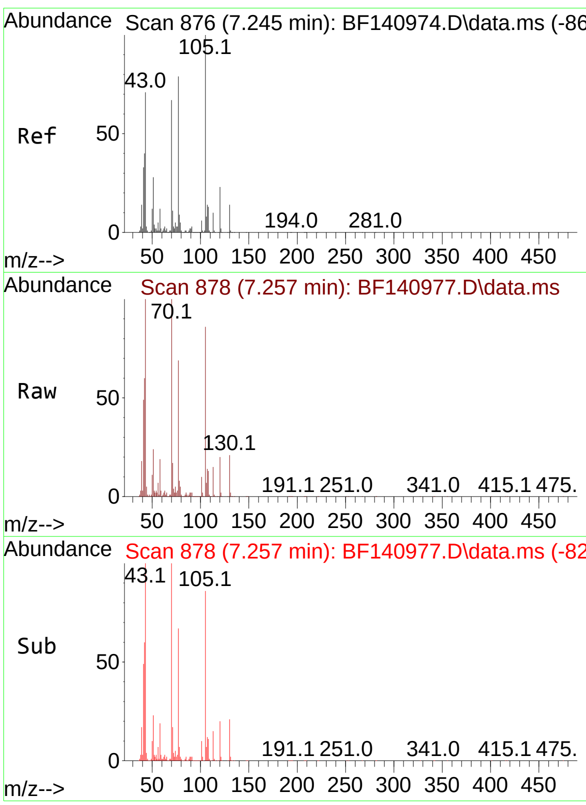
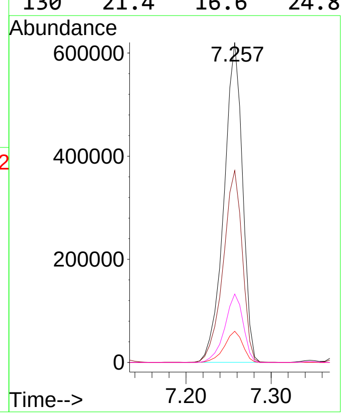




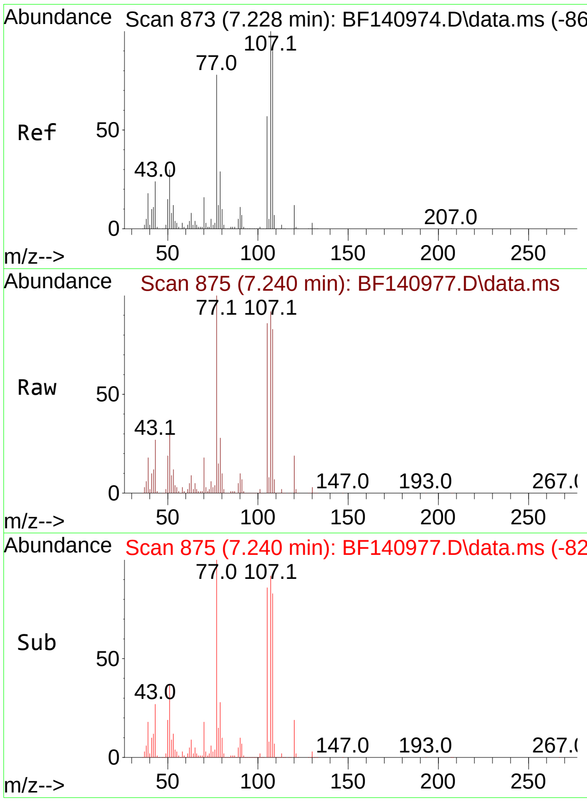
#19
n-Nitroso-di-n-propylamine
Concen: 70.150 ng
RT: 7.257 min Scan# 878
Delta R.T. 0.012 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion: 70 Resp: 941090

Ion	Ratio	Lower	Upper
70	100		
42	60.0	48.1	72.1
101	9.8	7.6	11.4
130	21.4	16.6	24.8



ICAL Form



#20
3+4-Methylphenols
Concen: 67.191 ng
RT: 7.240 min Scan# 8
Delta R.T. 0.012 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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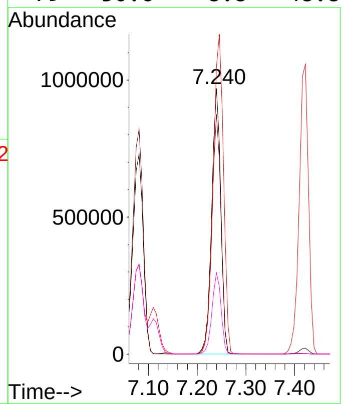
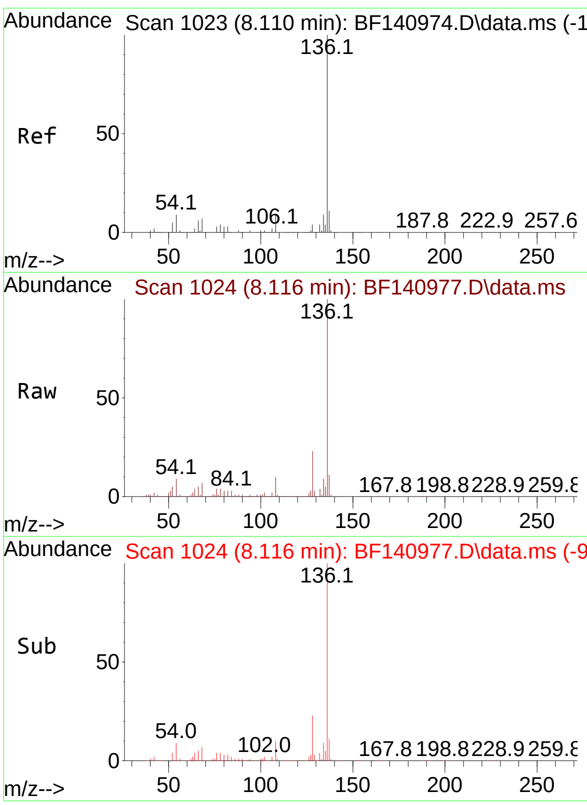
Tgt Ion:107 Resp: 126599

Ion	Ratio	Lower	Upper
107	100		
108	90.3	69.6	109.6
77	108.2	57.6	97.6#
79	30.6	8.8	48.8

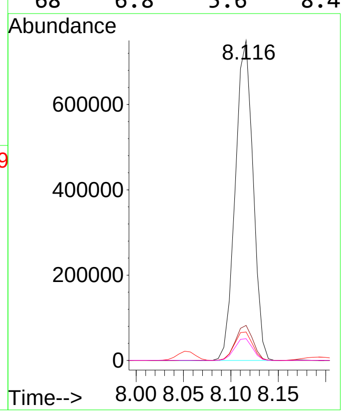




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.116 min Scan# 1024
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:136 Resp: 977409

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.4
54	8.9	7.6	11.4
68	6.8	5.6	8.4



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Instrument :
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ClientSampleId :
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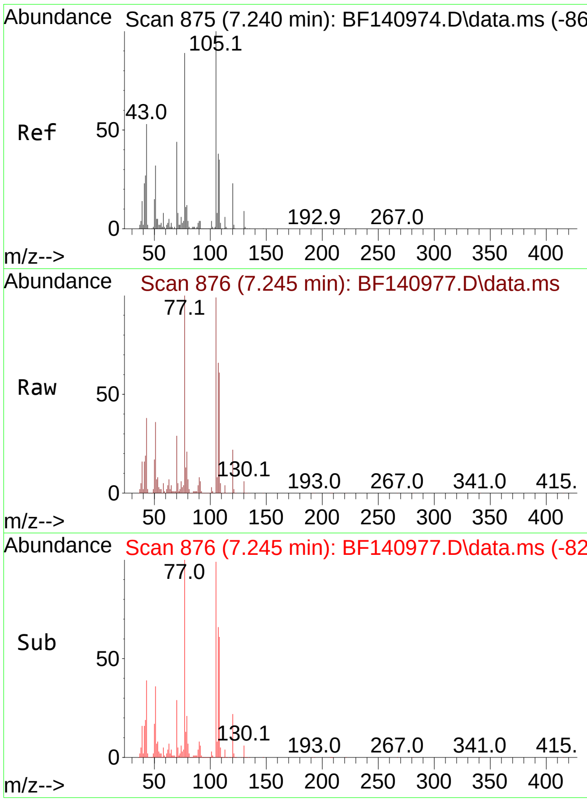
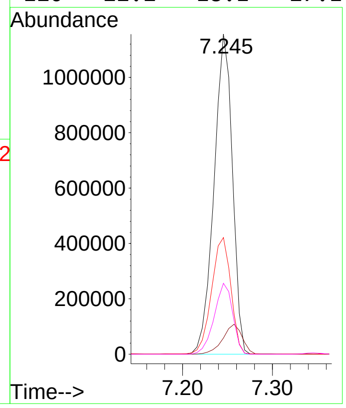
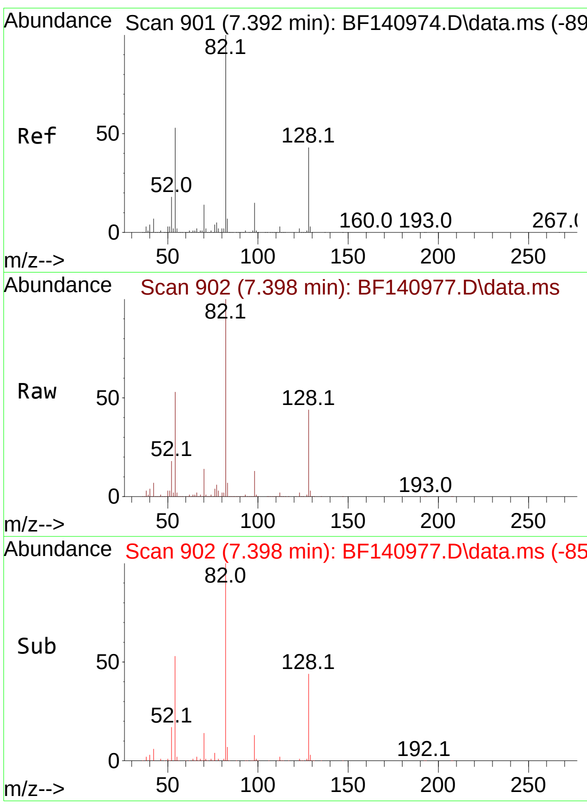


#22
Acetophenone
Concen: 68.675 ng
RT: 7.245 min Scan# 8
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:105 Resp: 164663

Ion	Ratio	Lower	Upper
105	100		
71	5.0	6.1	9.1#
51	36.5	25.8	38.6
120	22.2	18.1	27.1

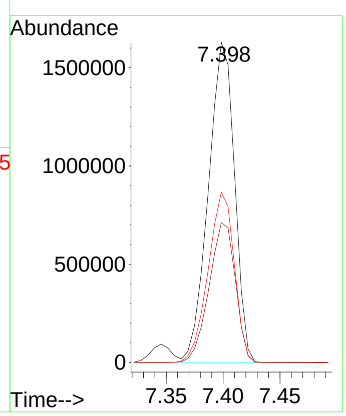




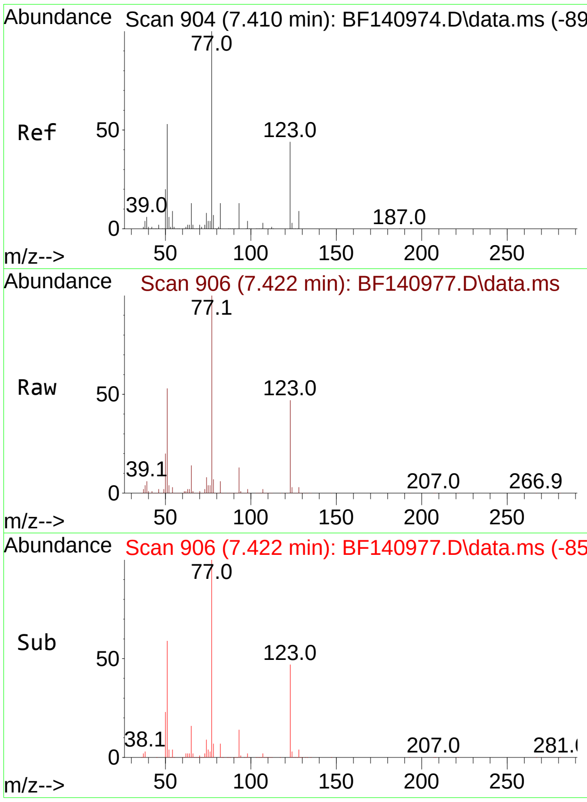
#23
Nitrobenzene-d5
Concen: 170.465 ng
RT: 7.398 min Scan# 902
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion: 82 Resp: 2604239

Ion	Ratio	Lower	Upper
82	100		
128	43.7	34.4	51.6
54	53.3	42.4	63.6



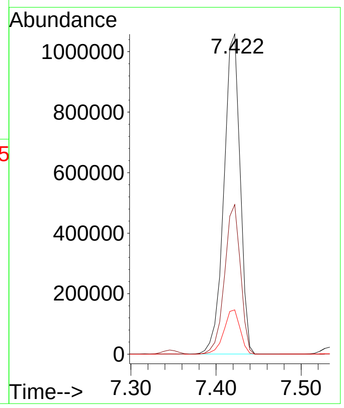
ICAL Form



#24
Nitrobenzene
Concen: 81.994 ng
RT: 7.422 min Scan# 9(
Delta R.T. 0.012 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion: 77 Resp: 1399699

Ion	Ratio	Lower	Upper
77	100		
123	46.8	35.4	53.2
65	13.9	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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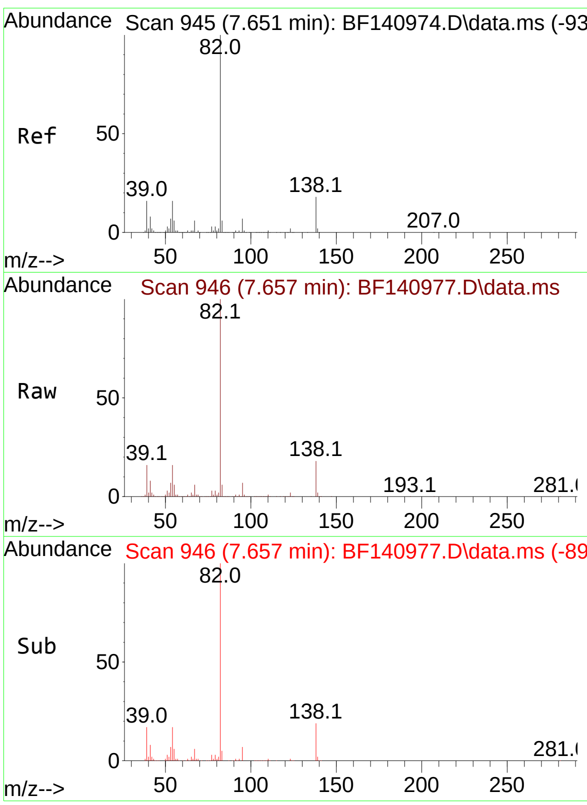
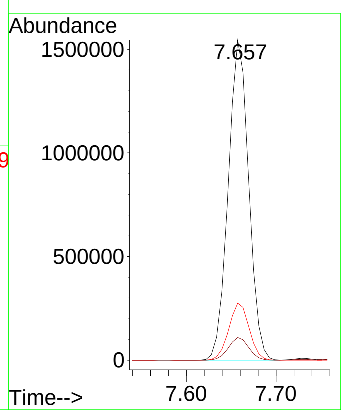
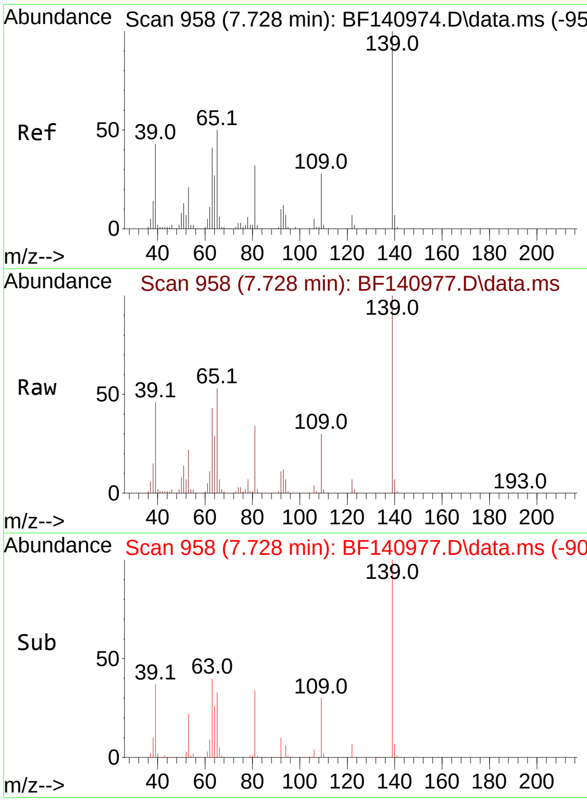


#25
Isophorone
Concen: 73.842 ng
RT: 7.657 min Scan# 946
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion: 82 Resp: 2454830

Ion	Ratio	Lower	Upper
82	100		
95	7.1	5.6	8.4
138	17.8	14.6	21.8





#26
2-Nitrophenol
Concen: 80.829 ng
RT: 7.728 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:139 Resp: 59398

Ion	Ratio	Lower	Upper
139	100		
109	29.7	22.2	33.4
65	52.9	40.2	60.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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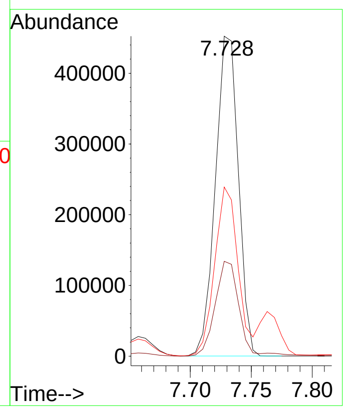
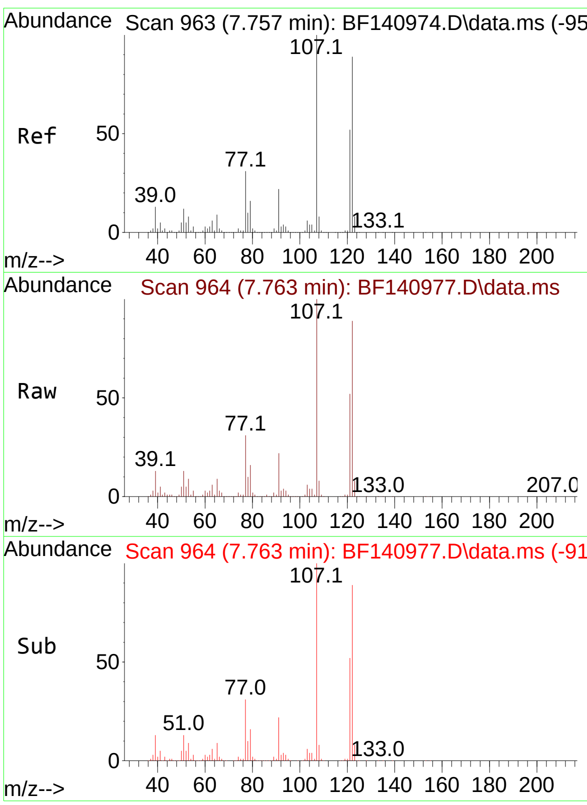
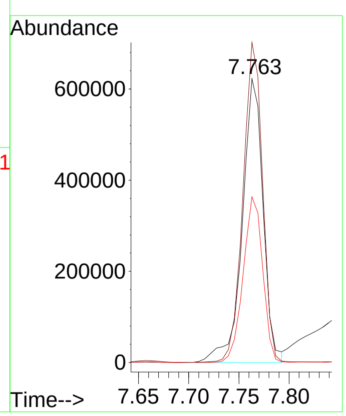


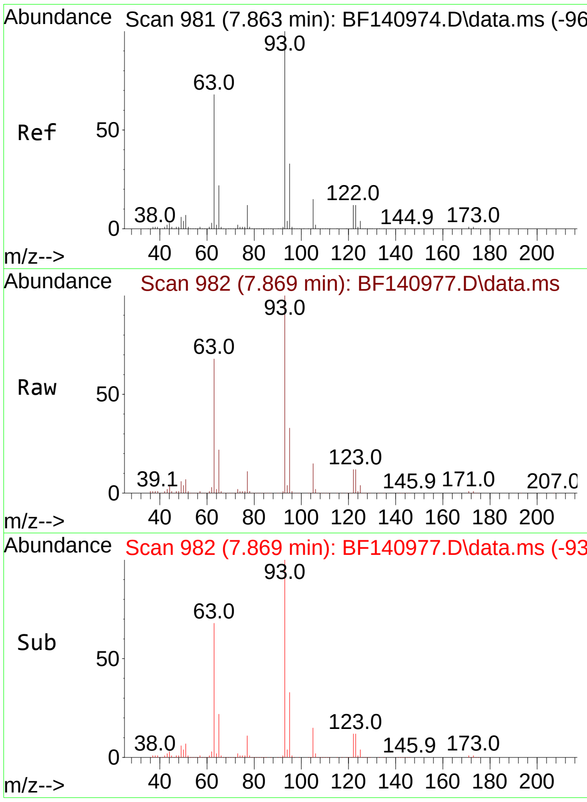


#27
2,4-Dimethylphenol
Concen: 74.098 ng
RT: 7.763 min Scan# 964
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:122 Resp: 900268

Ion	Ratio	Lower	Upper
122	100		
107	112.8	89.4	134.2
121	58.4	46.7	70.1





#28
bis(2-Chloroethoxy)methane
Concen: 71.188 ng
RT: 7.869 min Scan# 98
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion: 93 Resp: 149942

Ion	Ratio	Lower	Upper
93	100		
95	33.1	26.2	39.4
123	12.2	9.9	14.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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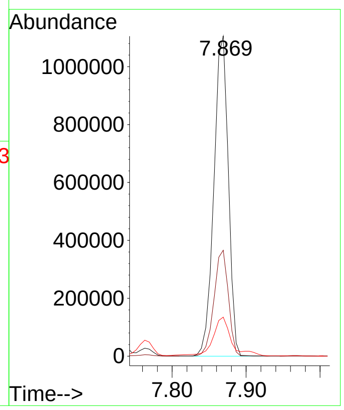
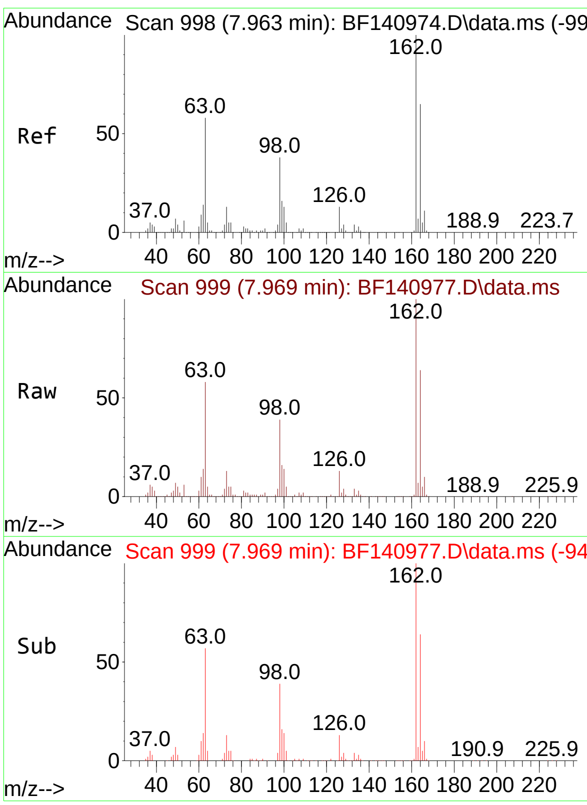
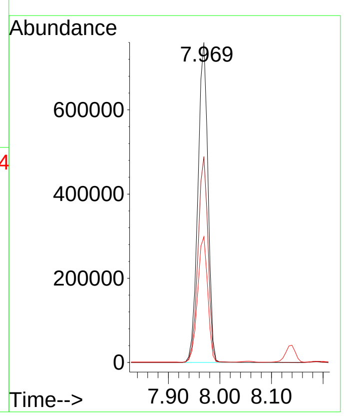


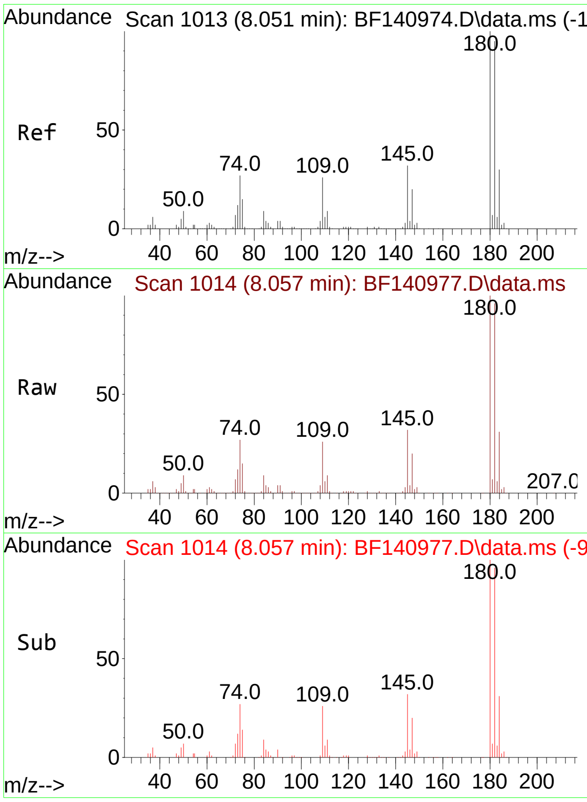


#29
2,4-Dichlorophenol
Concen: 74.999 ng
RT: 7.969 min Scan# 999
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:162 Resp: 1033455

Ion	Ratio	Lower	Upper
162	100		
164	64.3	44.8	84.8
98	39.3	18.6	58.6





#30
1,2,4-Trichlorobenzene
Concen: 71.799 ng
RT: 8.057 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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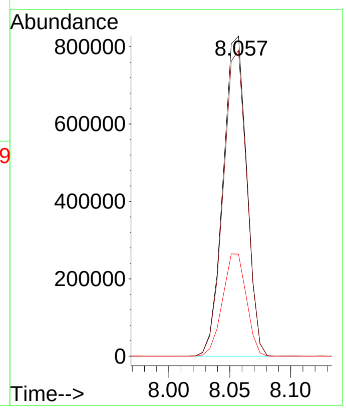
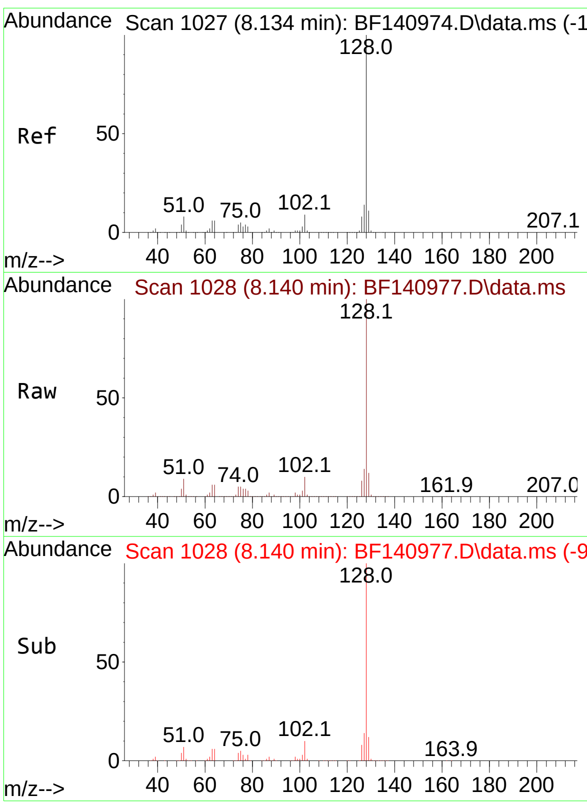
Tgt Ion:180 Resp: 111979

Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.2	114.4
145	31.9	25.4	38.2

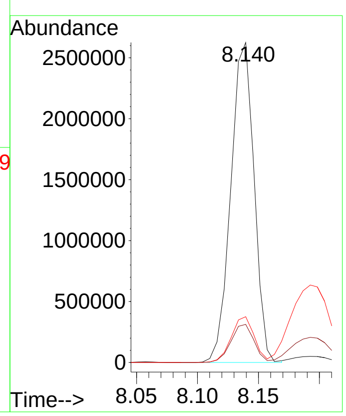


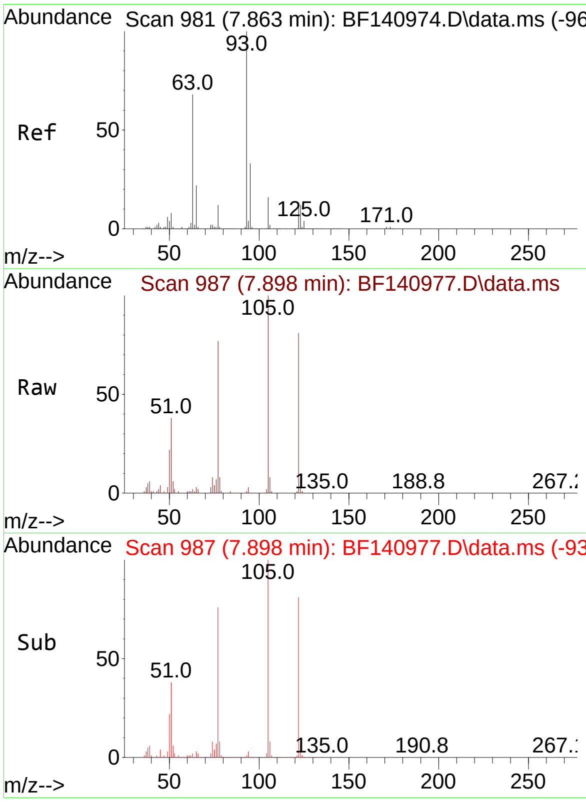


#31
Naphthalene
Concen: 67.732 ng
RT: 8.140 min Scan# 1028
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:128 Resp: 3488407

Ion	Ratio	Lower	Upper
128	100		
129	11.9	9.2	13.8
127	14.3	11.0	16.4





#32
Benzoic acid
Concen: 80.749 ng
RT: 7.898 min Scan# 98
Delta R.T. 0.035 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:122 Resp: 86986

Ion	Ratio	Lower	Upper
122	100		
105	123.9	105.4	145.4
77	94.9	76.4	116.4

Instrument :
BNA_F
ClientSampleId :
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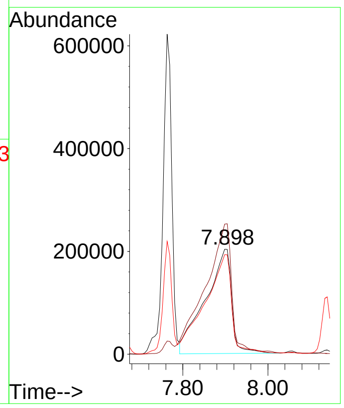
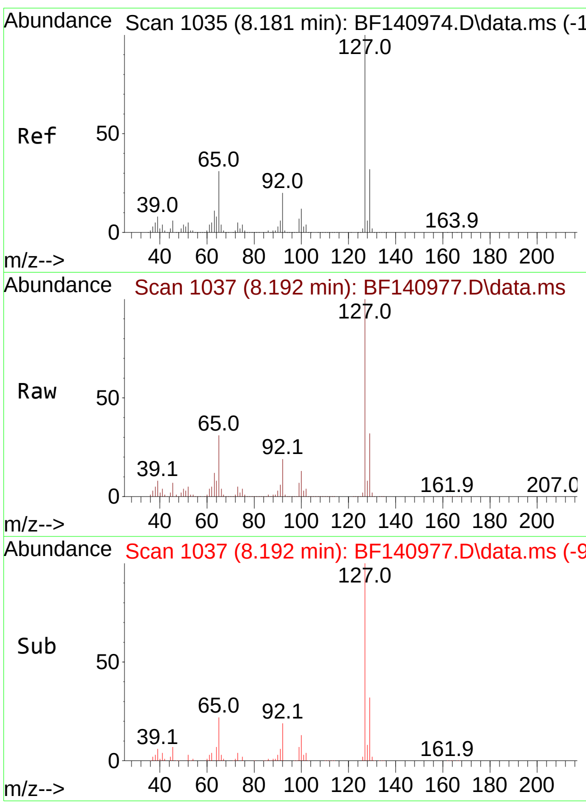
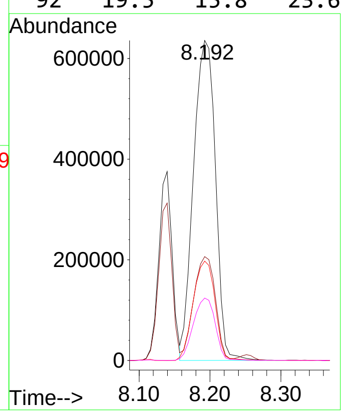


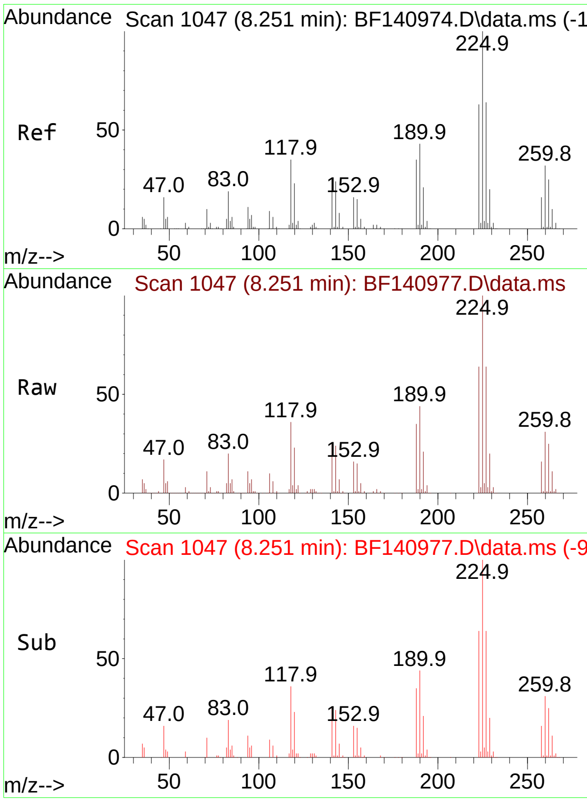


#33
4-Chloroaniline
Concen: 73.729 ng
RT: 8.192 min Scan# 1037
Delta R.T. 0.012 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:127 Resp: 1373750

Ion	Ratio	Lower	Upper
127	100		
129	32.5	26.1	39.1
65	31.1	24.6	37.0
92	19.5	15.8	23.6





#34
Hexachlorobutadiene
Concen: 72.129 ng
RT: 8.251 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:225 Resp: 66319

Ion	Ratio	Lower	Upper
225	100		
223	63.6	50.3	75.5
227	63.8	50.8	76.2

Instrument :
BNA_F
ClientSampleId :
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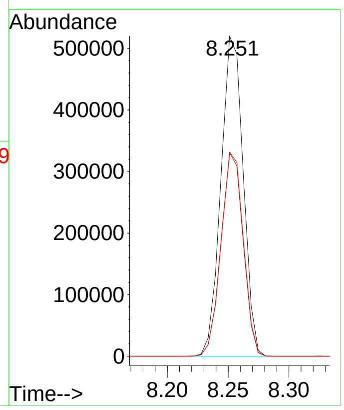
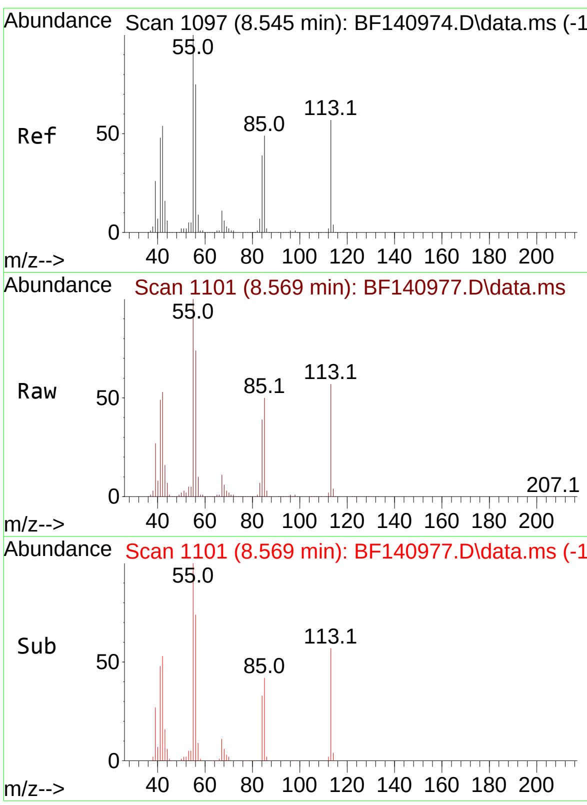
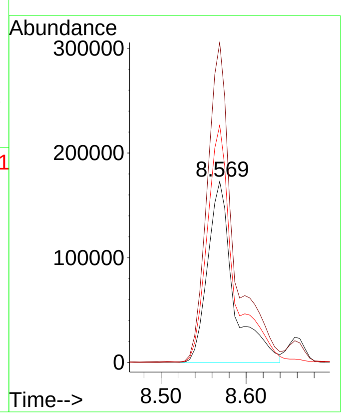


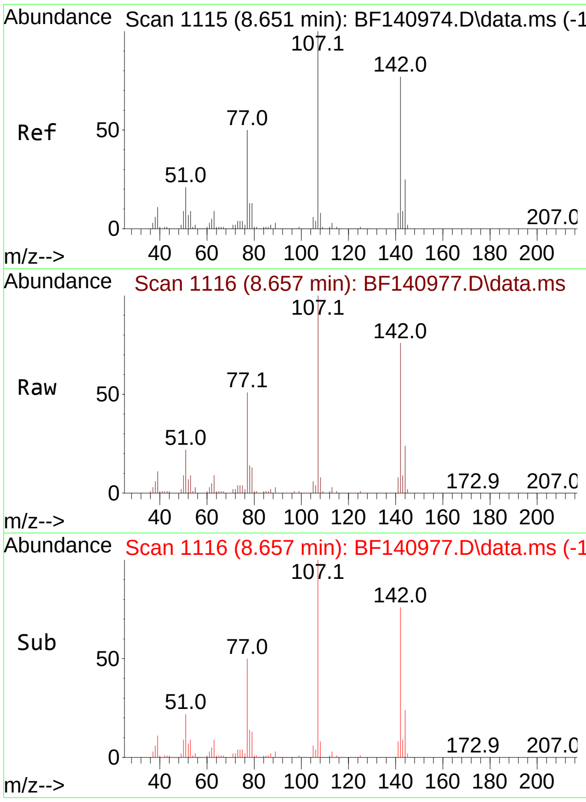


#35
Caprolactam
Concen: 78.800 ng
RT: 8.569 min Scan# 1101
Delta R.T. 0.024 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:113 Resp: 369167

Ion	Ratio	Lower	Upper
113	100		
55	176.9	156.6	196.6
56	131.2	111.7	151.7





#36
4-Chloro-3-methylphenol
Concen: 74.790 ng
RT: 8.657 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
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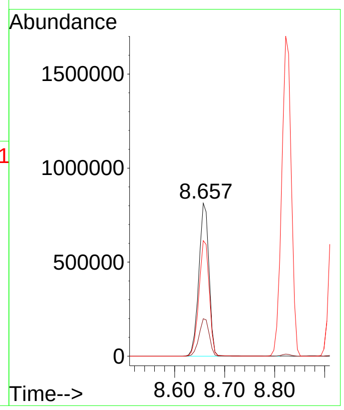
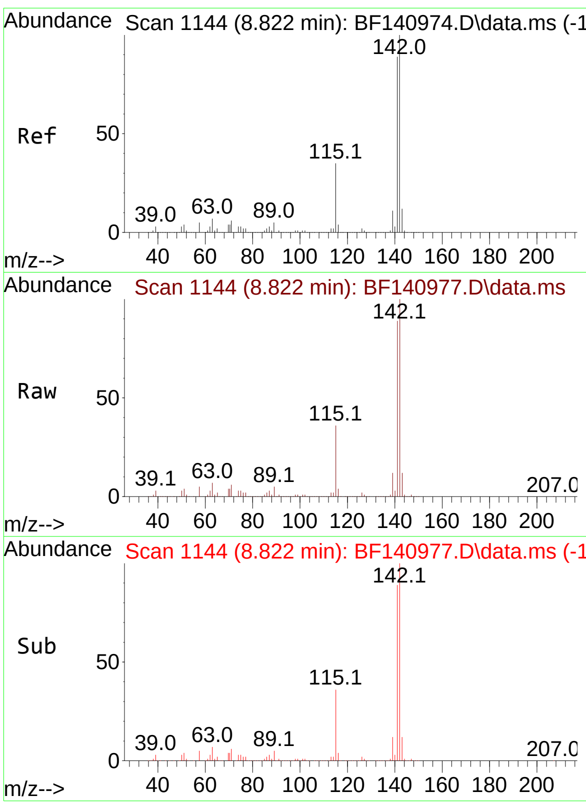
Tgt Ion:107 Resp: 1144506

Ion	Ratio	Lower	Upper
107	100		
144	24.5	19.9	29.9
142	75.6	61.8	92.8

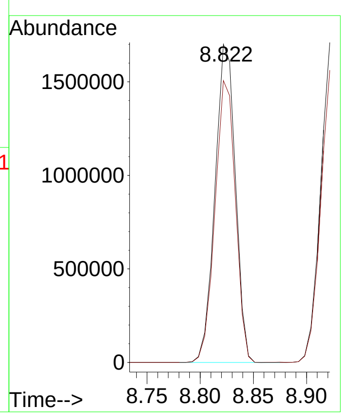


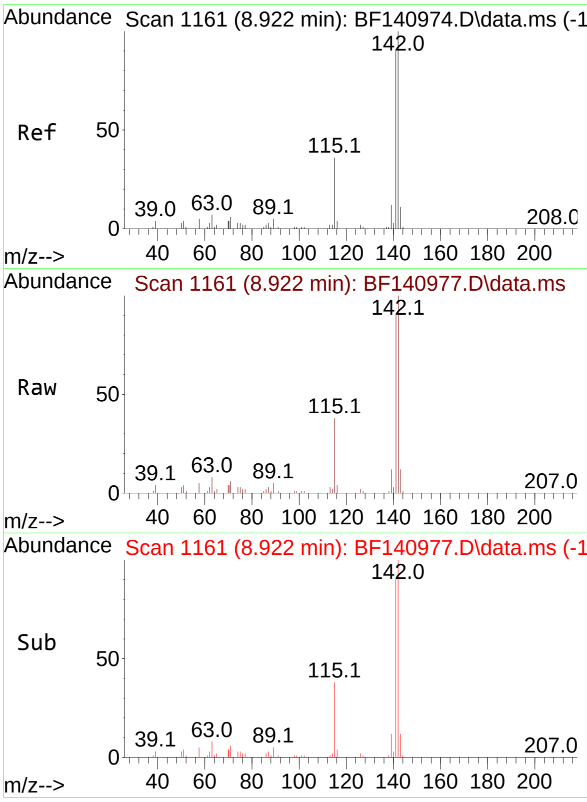


#37
2-Methylnaphthalene
Concen: 68.904 ng
RT: 8.822 min Scan# 1144
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:142 Resp: 2270301

Ion	Ratio	Lower	Upper
142	100		
141	88.6	71.1	106.7





#38
1-Methylnaphthalene
Concen: 68.910 ng
RT: 8.922 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:142 Resp: 223139

Ion	Ratio	Lower	Upper
142	100		
141	91.3	72.7	109.1

Instrument :
BNA_F
ClientSampleId :
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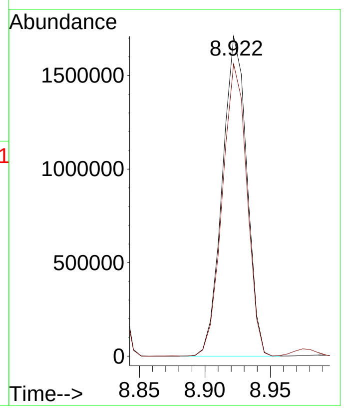
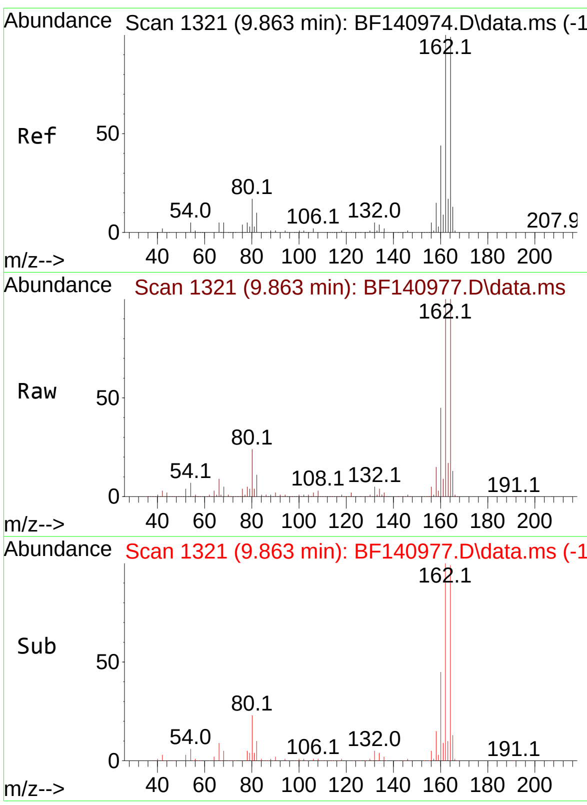
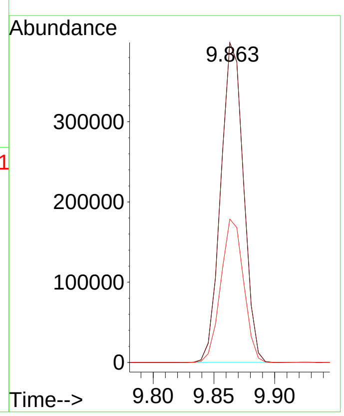


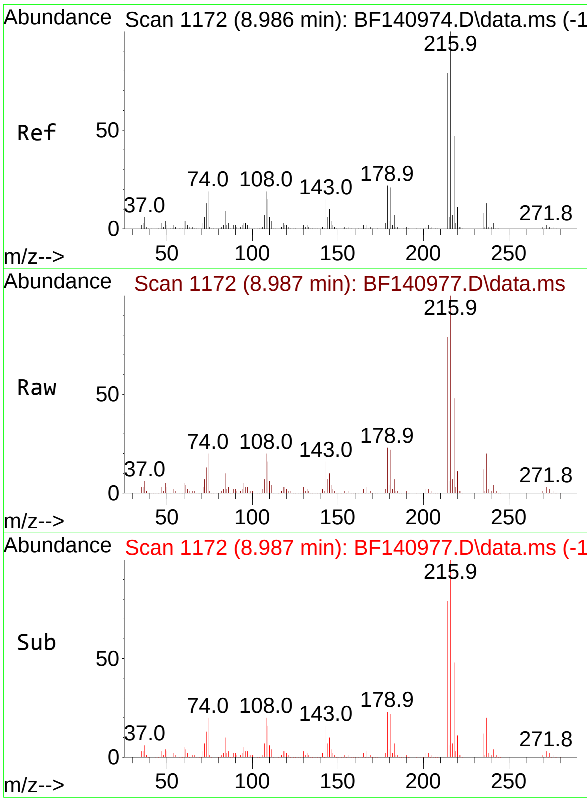


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1321
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:164 Resp: 517561

Ion	Ratio	Lower	Upper
164	100		
162	100.0	80.6	120.8
160	44.8	35.7	53.5





#40
1,2,4,5-Tetrachlorobenzene
Concen: 71.328 ng
RT: 8.987 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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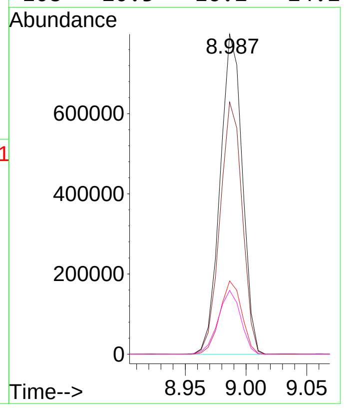
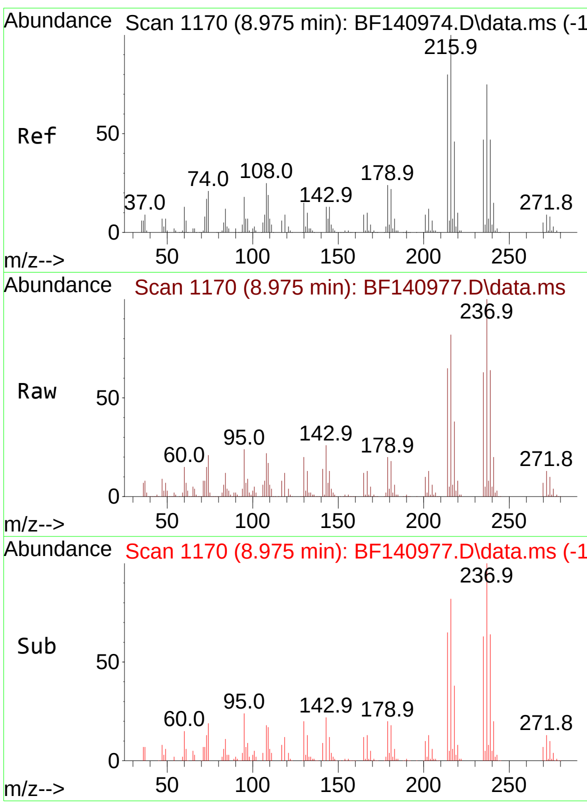
Tgt Ion:216 Resp: 101562

Ion	Ratio	Lower	Upper
216	100		
214	78.6	63.0	94.6
179	22.7	17.9	26.9
108	20.3	16.2	24.2

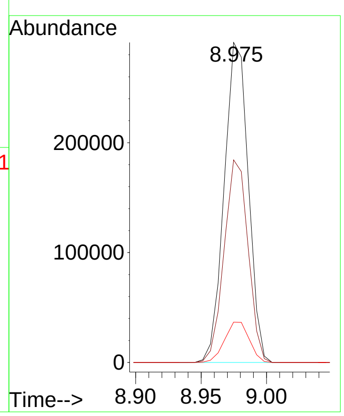




#41
Hexachlorocyclopentadiene
Concen: 79.096 ng
RT: 8.975 min Scan# 1170
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:237 Resp: 373217

Ion	Ratio	Lower	Upper
237	100		
235	63.3	43.4	83.4
272	12.6	0.0	32.6



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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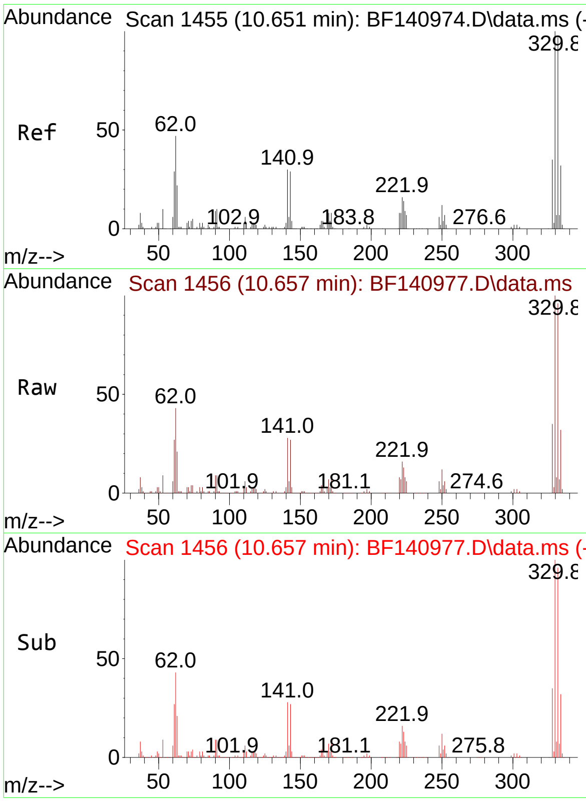
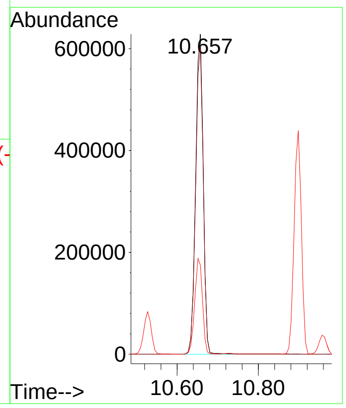
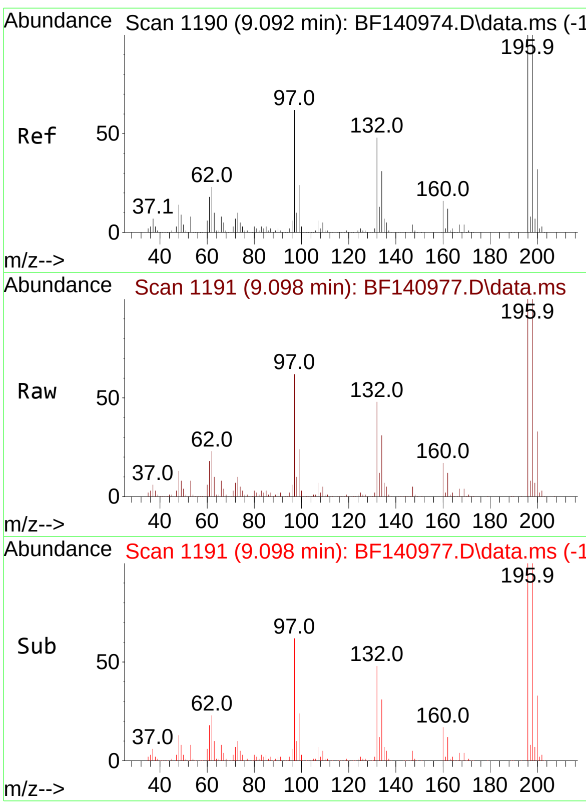


#42
2,4,6-Tribromophenol
Concen: 163.492 ng
RT: 10.657 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:330 Resp: 822230

Ion	Ratio	Lower	Upper
330	100		
332	95.5	78.0	117.0
141	30.3	26.4	39.6

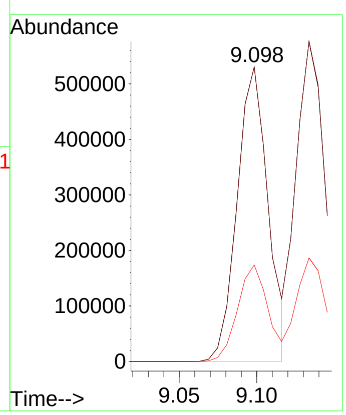




#43
2,4,6-Trichlorophenol
Concen: 77.418 ng
RT: 9.098 min Scan# 1191
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:196 Resp: 733660

Ion	Ratio	Lower	Upper
196	100		
198	100.1	80.2	120.4
200	32.7	25.8	38.6



Instrument :
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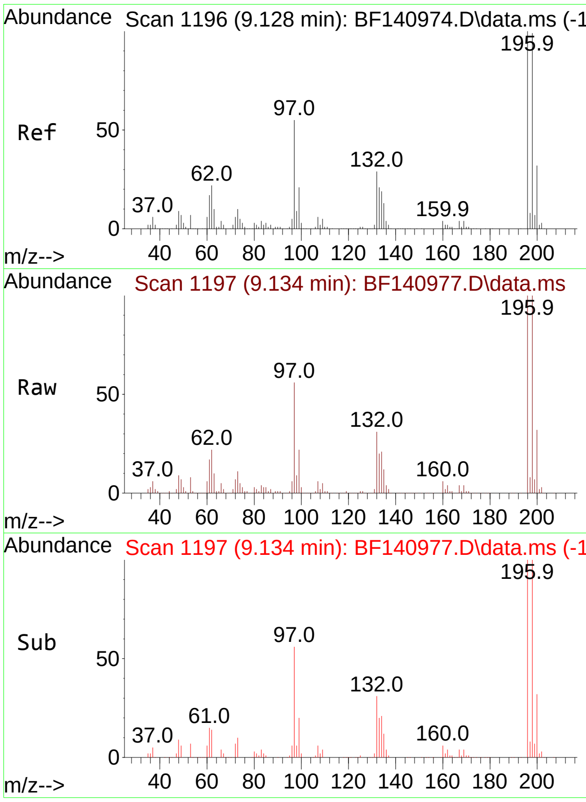
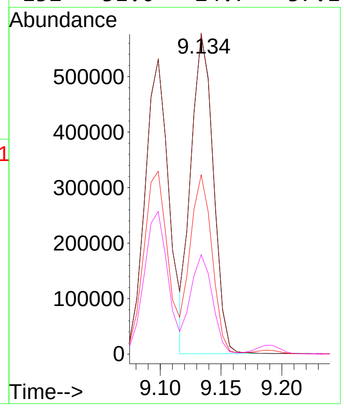
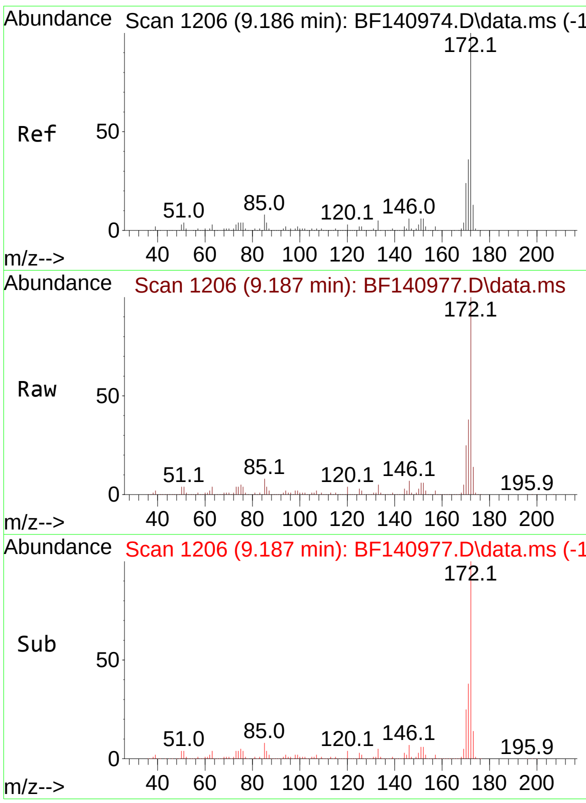


#44
2,4,5-Trichlorophenol
Concen: 75.868 ng
RT: 9.134 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:196 Resp: 73564

Ion	Ratio	Lower	Upper
196	100		
198	100.0	79.9	119.9
97	56.0	44.3	66.5
132	31.0	24.7	37.1

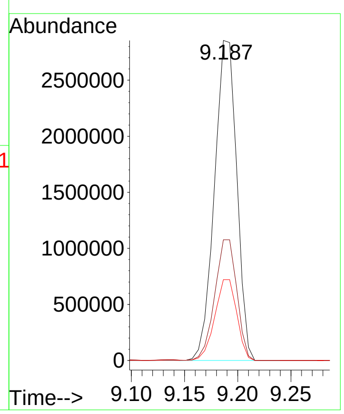




#45
2-Fluorobiphenyl
Concen: 128.248 ng
RT: 9.187 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:172 Resp: 4166122

Ion	Ratio	Lower	Upper
172	100		
171	37.7	29.0	43.4
170	25.2	19.6	29.4



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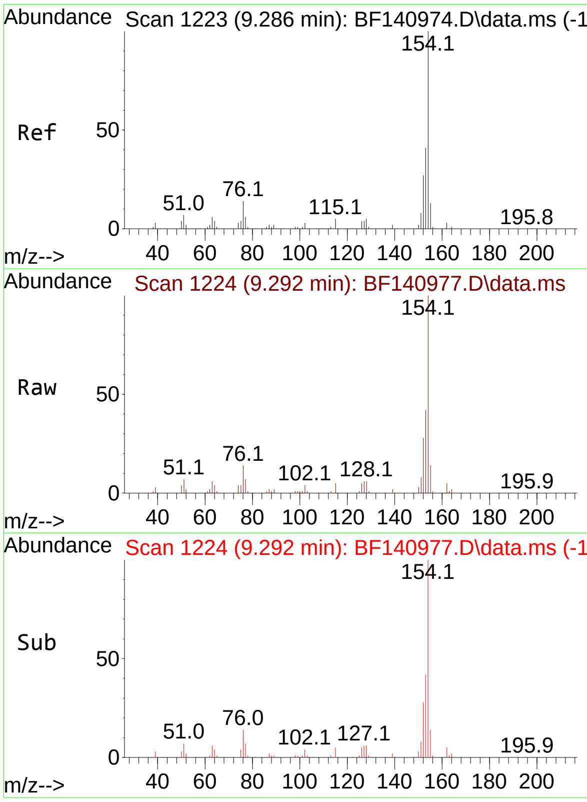
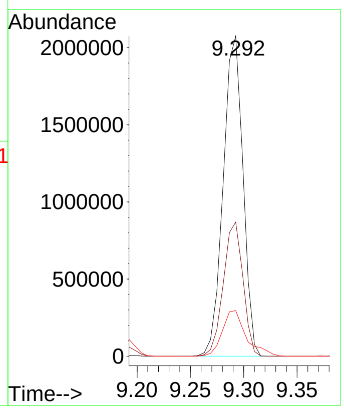


#46
1,1'-Biphenyl
Concen: 67.425 ng
RT: 9.292 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:154 Resp: 267199

Ion	Ratio	Lower	Upper
154	100		
153	41.9	20.9	60.9
76	14.2	0.0	34.0



Instrument :
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ClientSampleId :
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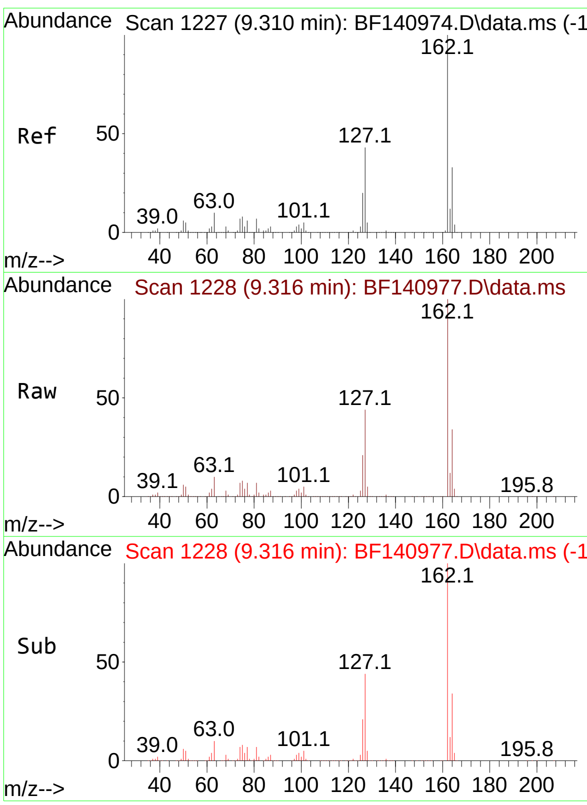
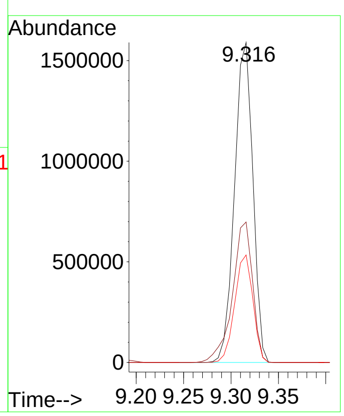


#47
2-Chloronaphthalene
Concen: 69.446 ng
RT: 9.316 min Scan# 1228
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:162 Resp: 2134444

Ion	Ratio	Lower	Upper
162	100		
127	43.9	34.2	51.4
164	33.6	26.6	40.0



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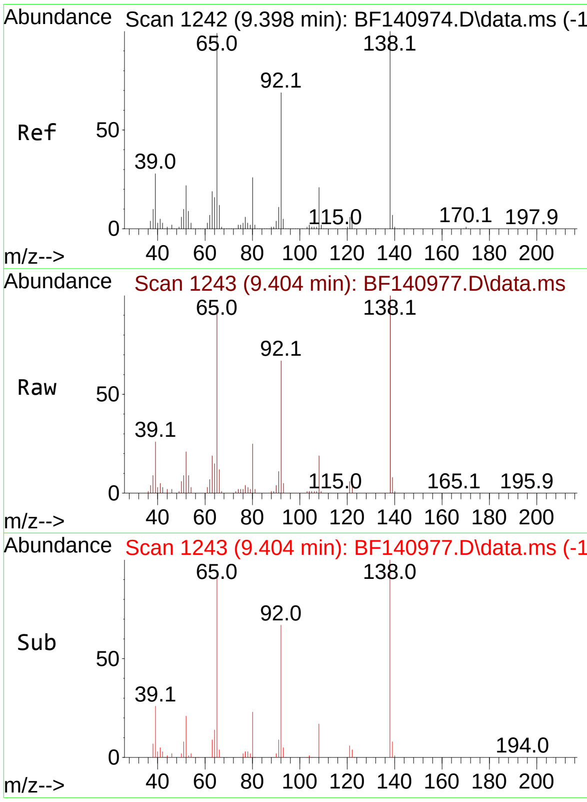
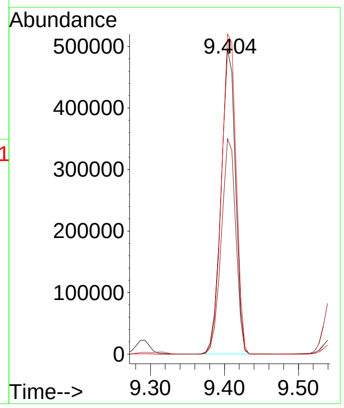


#48
2-Nitroaniline
Concen: 80.177 ng
RT: 9.404 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion: 65 Resp: 67237

Ion	Ratio	Lower	Upper
65	100		
92	70.7	55.6	83.4
138	104.9	80.5	120.7



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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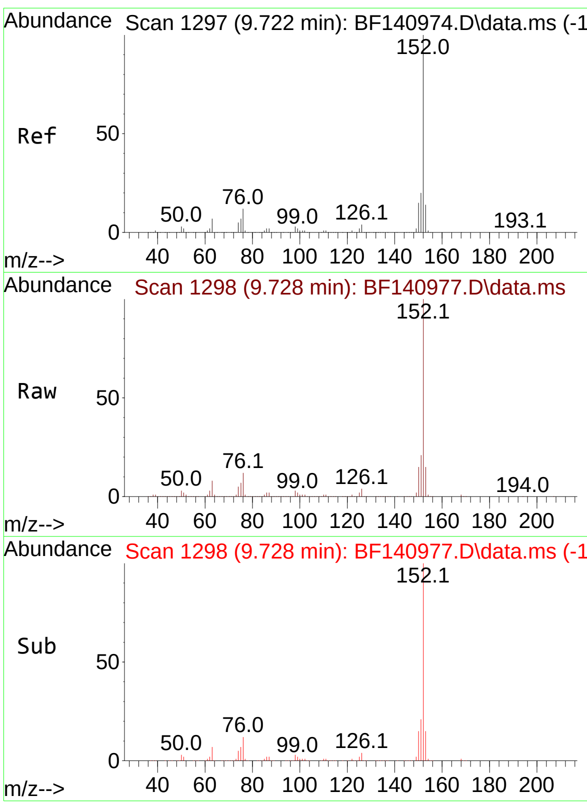
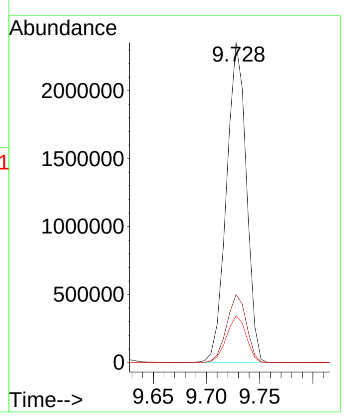


#49
Acenaphthylene
Concen: 69.133 ng
RT: 9.728 min Scan# 1298
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:152 Resp: 3058781

Ion	Ratio	Lower	Upper
152	100		
151	21.2	16.2	24.4
153	14.6	11.4	17.0



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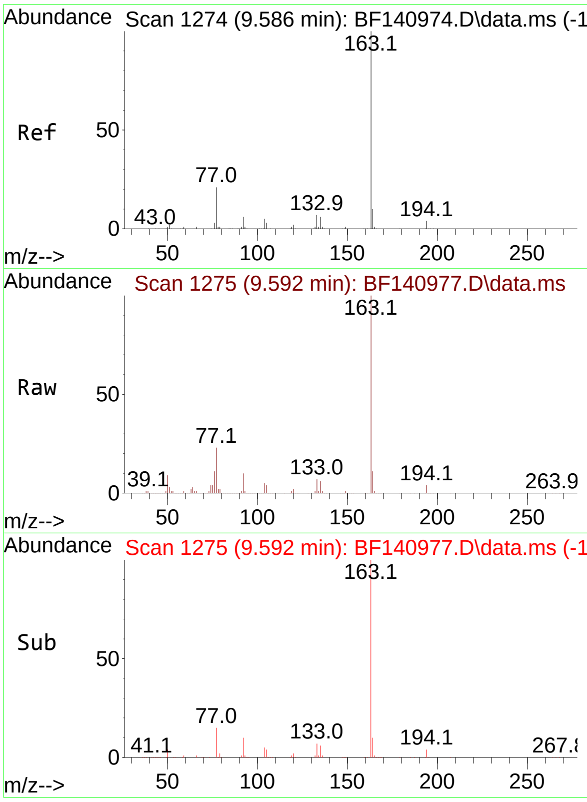

#50
Dimethylphthalate
Concen: 72.109 ng
RT: 9.592 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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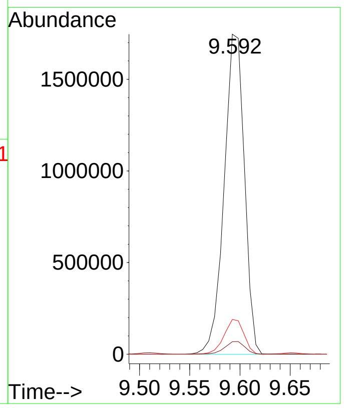
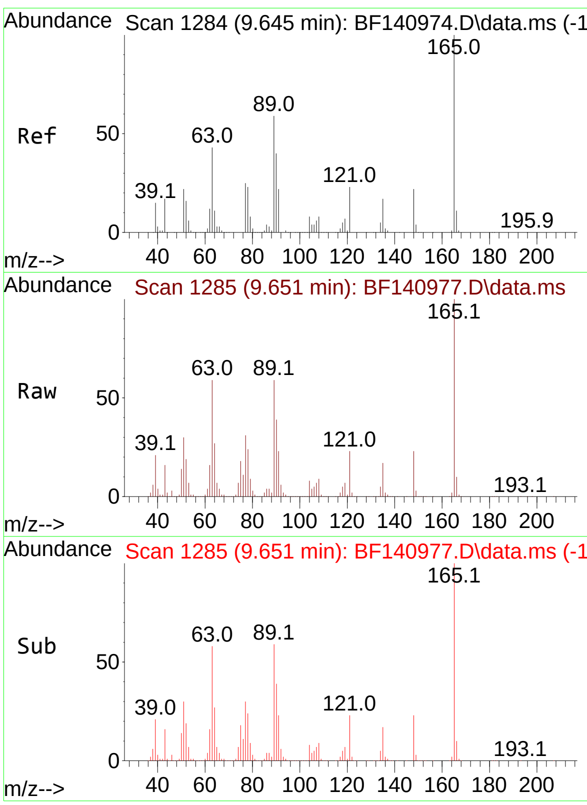
Supervised By :mohammad ahmed 12/27/2024

Tgt Ion:163 Resp: 245484

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.9	8.3	12.5

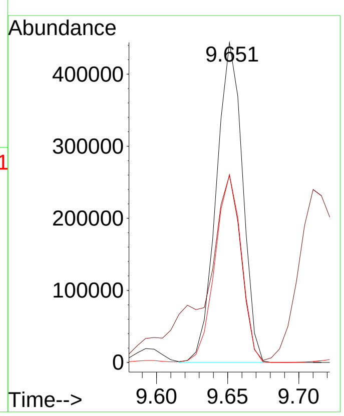


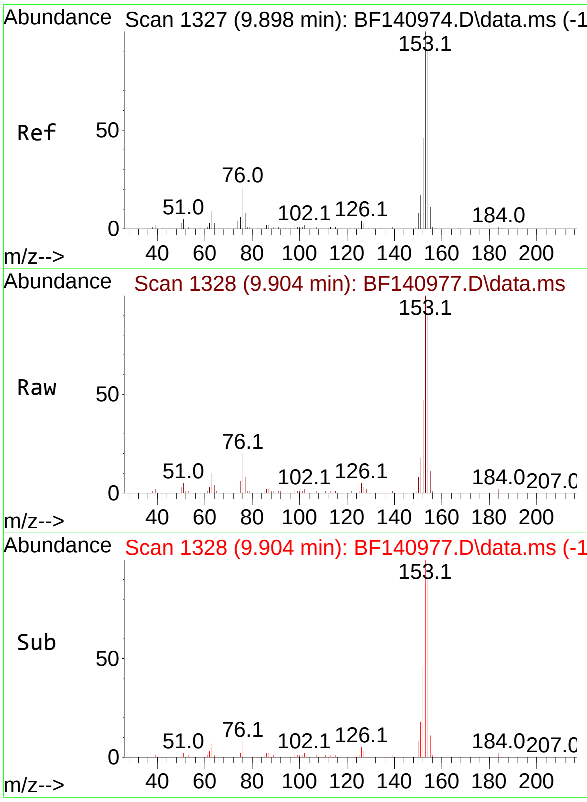


#51
2,6-Dinitrotoluene
Concen: 79.723 ng
RT: 9.651 min Scan# 1285
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:165 Resp: 571642

Ion	Ratio	Lower	Upper
165	100		
63	58.6	47.1	70.7
89	58.7	47.0	70.4





#52
Acenaphthene
Concen: 71.048 ng
RT: 9.904 min   Scan# 1
Delta R.T.   0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024   19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:154 Resp: 212517

Ion	Ratio	Lower	Upper
154	100		
153	110.5	89.2	133.8
152	51.4	40.9	61.3

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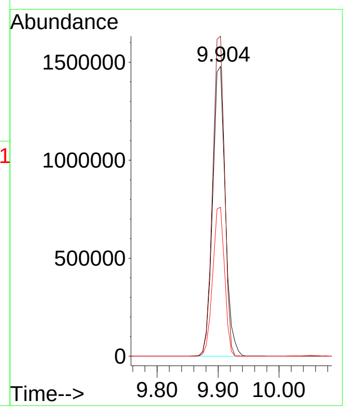
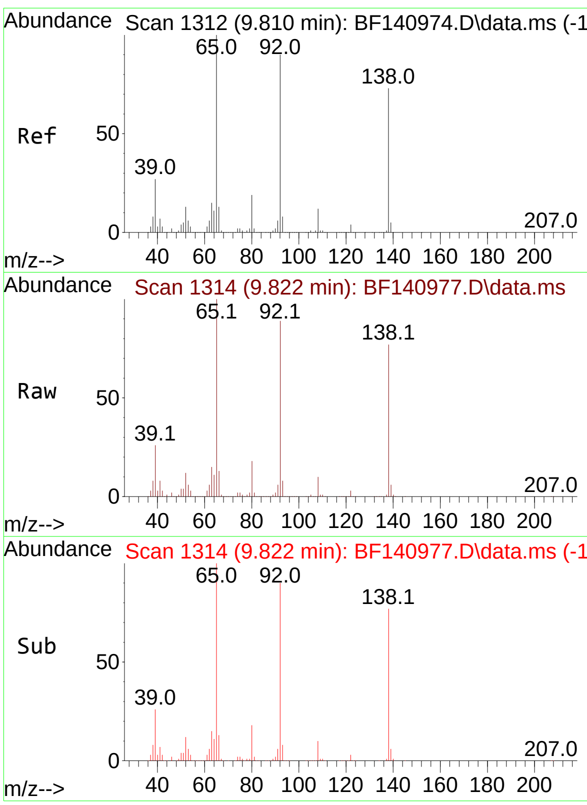
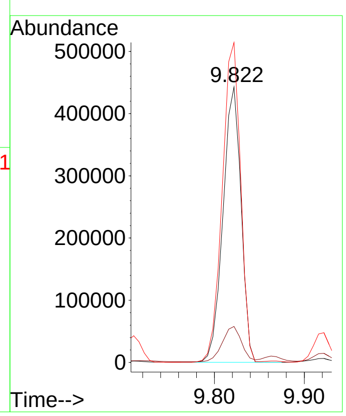


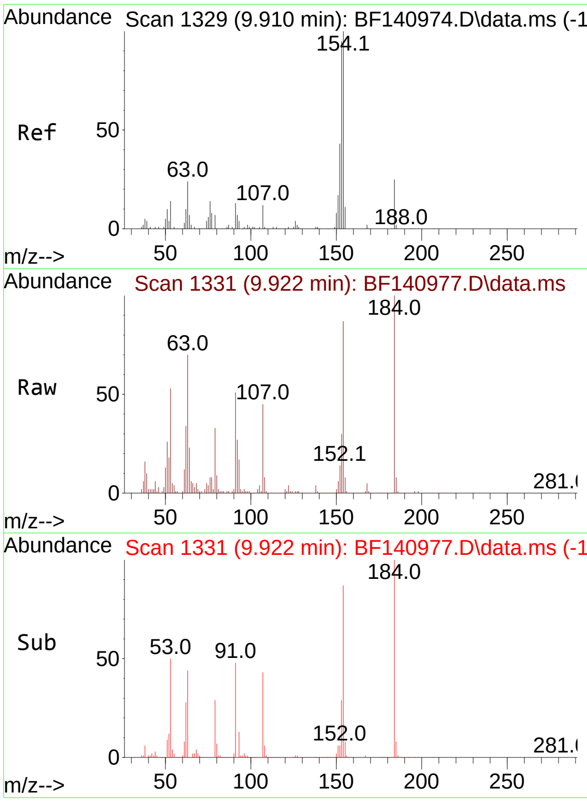


#53
3-Nitroaniline
Concen: 79.606 ng
RT: 9.822 min   Scan# 1314
Delta R.T.   0.012 min
Lab File: BF140977.D
Acq: 26 Dec 2024   19:25

Tgt Ion:138 Resp: 618458

Ion	Ratio	Lower	Upper
138	100		
108	13.0	13.5	20.3#
92	116.1	97.7	146.5





#54
2,4-Dinitrophenol
Concen: 79.264 ng
RT: 9.922 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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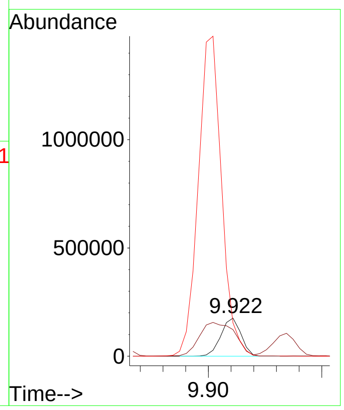
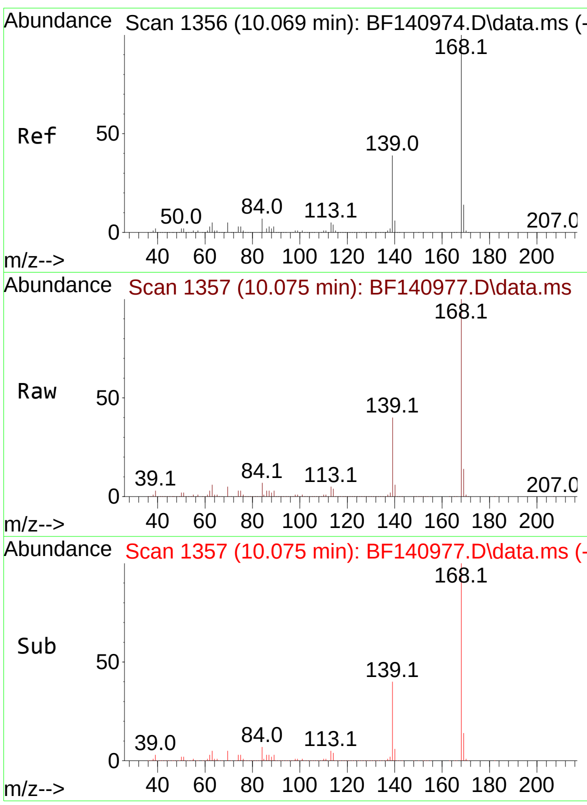
Tgt Ion:184 Resp: 21748

Ion	Ratio	Lower	Upper
184	100		
63	69.9	81.6	122.4
154	87.2	363.5	545.3

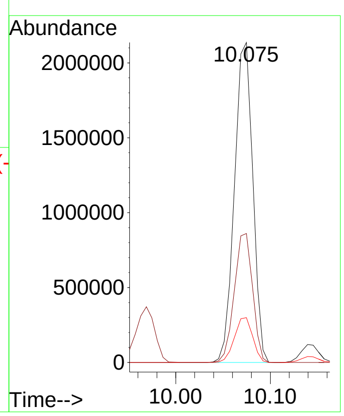


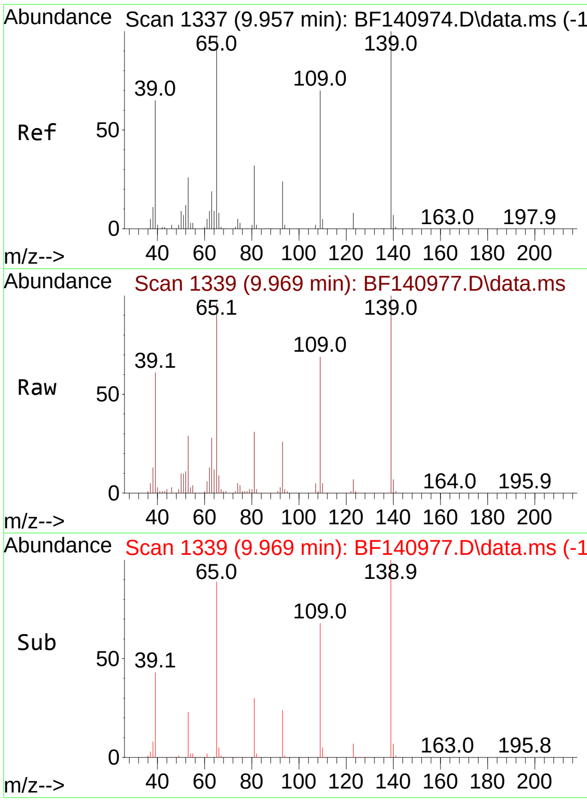


#55
Dibenzofuran
Concen: 68.424 ng
RT: 10.075 min Scan# 1357
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:168 Resp: 2876315

Ion	Ratio	Lower	Upper
168	100		
139	40.3	31.6	47.4
169	14.0	11.0	16.6





#56
4-Nitrophenol
Concen: 89.372 ng
RT: 9.969 min Scan# 1
Delta R.T. 0.012 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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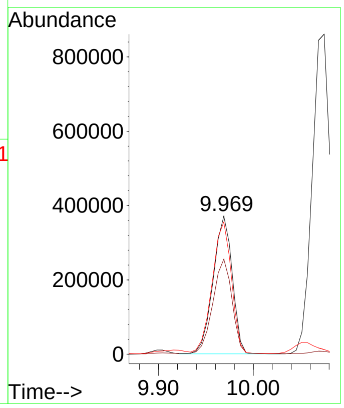
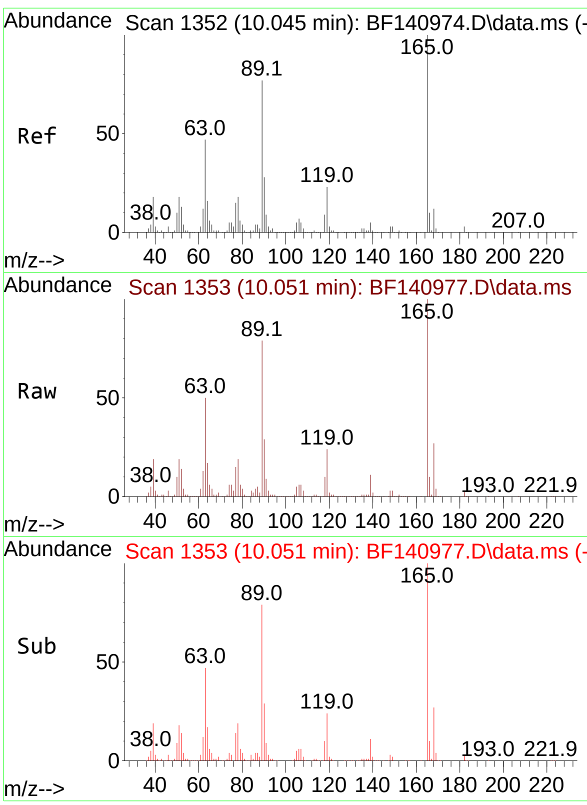
Tgt Ion:139 Resp: 52045

Ion	Ratio	Lower	Upper
139	100		
109	68.8	50.8	90.8
65	95.6	78.5	118.5

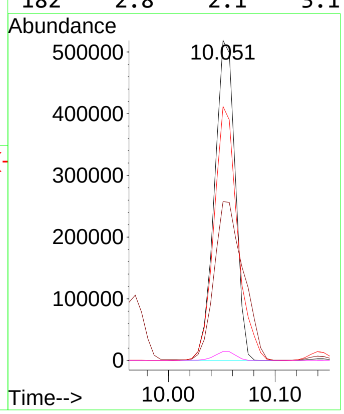


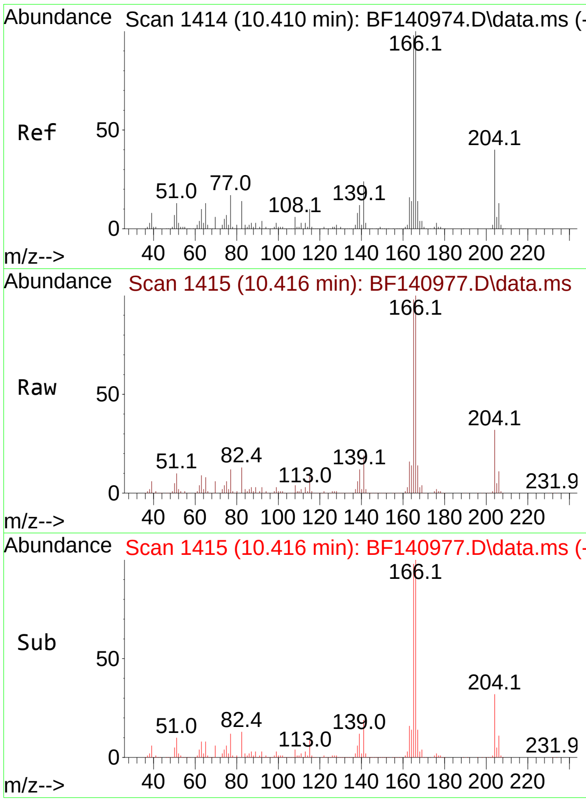


#57
2,4-Dinitrotoluene
Concen: 79.614 ng
RT: 10.051 min Scan# 1353
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:165 Resp: 704156

Ion	Ratio	Lower	Upper
165	100		
63	49.6	38.1	57.1
89	79.3	61.4	92.2
182	2.8	2.1	3.1





#58
Fluorene
Concen: 67.635 ng
RT: 10.416 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:166 Resp: 220469

Ion	Ratio	Lower	Upper
166	100		
165	97.6	78.3	117.5
167	13.7	10.9	16.3

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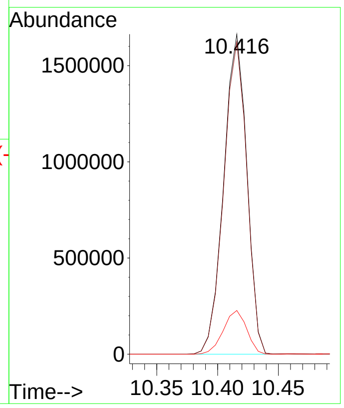
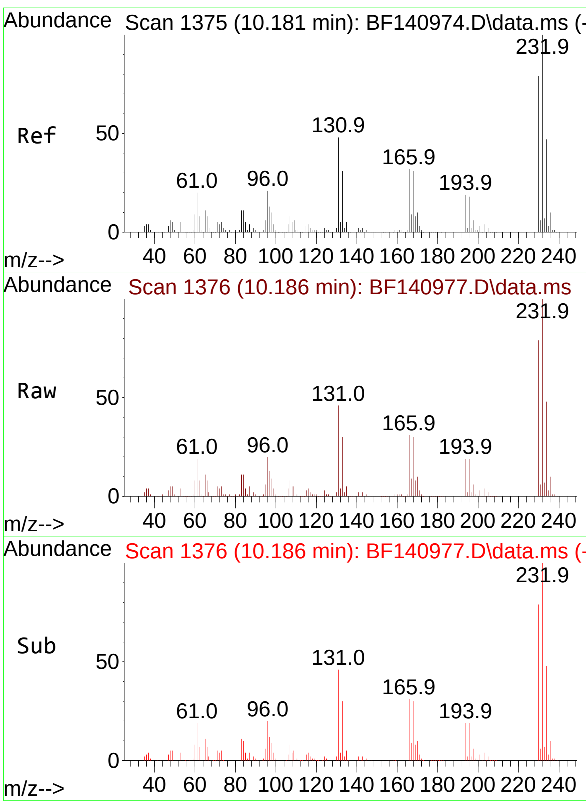
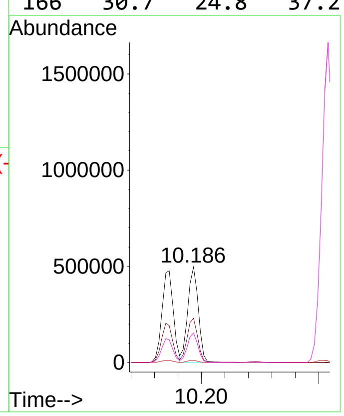




#59
2,3,4,6-Tetrachlorophenol
Concen: 77.824 ng
RT: 10.186 min Scan# 1376
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:232 Resp: 624965

Ion	Ratio	Lower	Upper
232	100		
131	46.4	37.4	56.2
130	2.3	1.8	2.8
166	30.7	24.8	37.2



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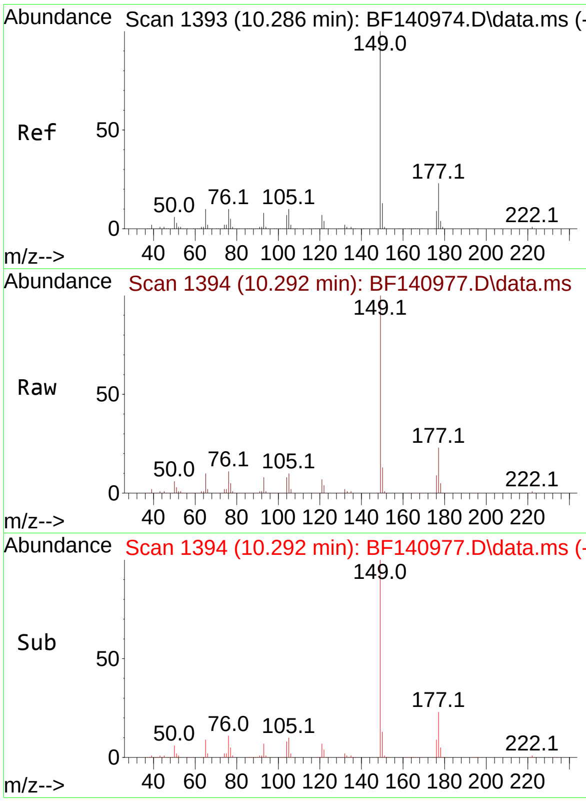

#60
Diethylphthalate
Concen: 72.349 ng
RT: 10.292 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:149 Resp: 243154

Ion	Ratio	Lower	Upper
149	100		
177	23.4	18.3	27.5
150	13.3	10.4	15.6

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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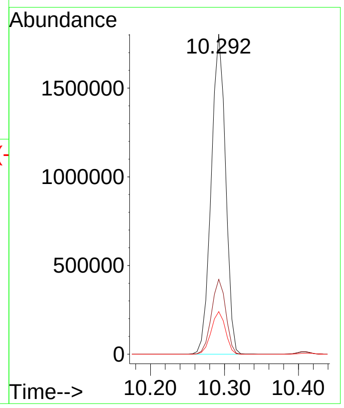
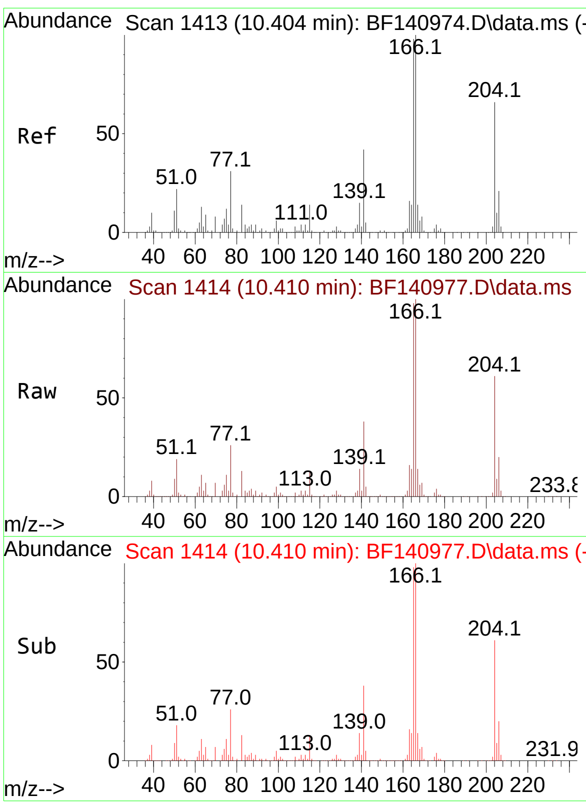
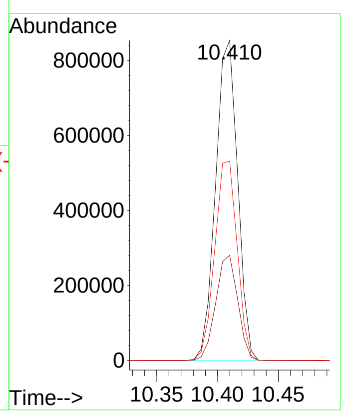


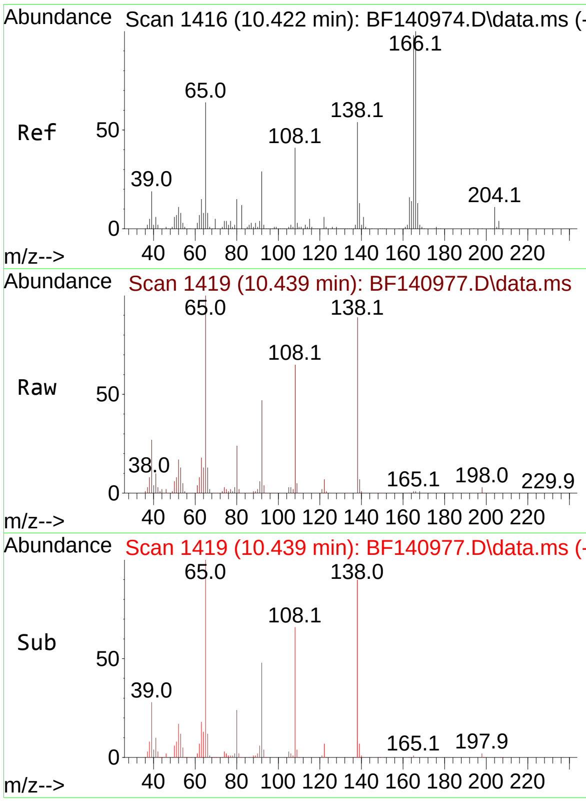


#61
4-Chlorophenyl-phenylether
Concen: 68.724 ng
RT: 10.410 min Scan# 1414
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:204 Resp: 1077930

Ion	Ratio	Lower	Upper
204	100		
206	32.9	25.8	38.6
141	62.2	51.2	76.8





#62
4-Nitroaniline
Concen: 80.074 ng
RT: 10.439 min Scan# 14
Delta R.T. 0.017 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:138 Resp: 62211(

Ion	Ratio	Lower	Upper
138	100		
92	53.0	34.8	74.8
108	73.2	55.9	95.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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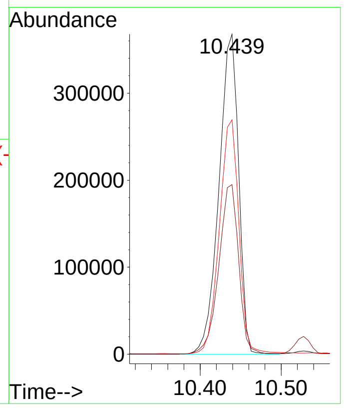
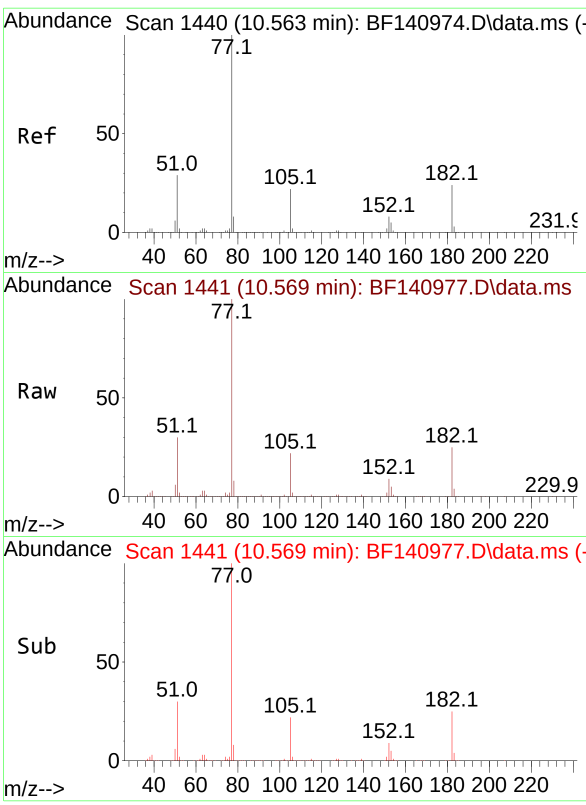
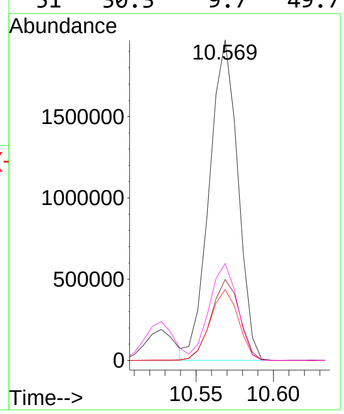


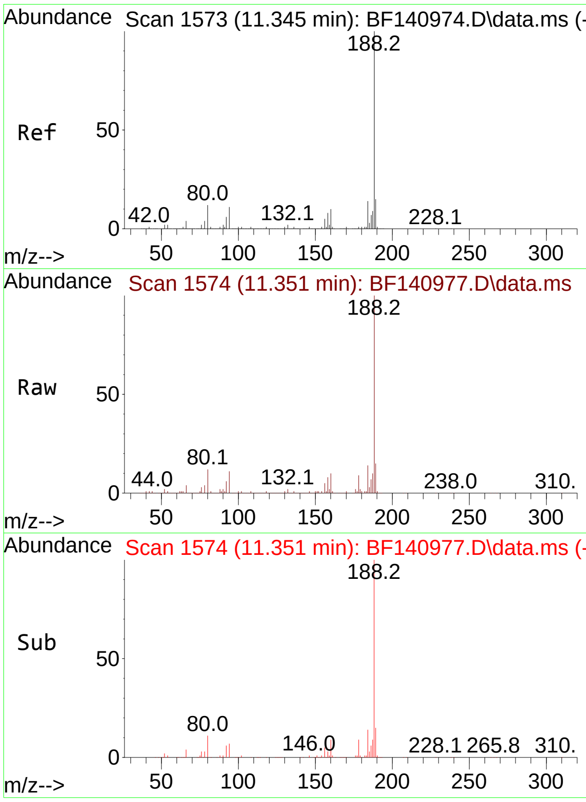


#63
Azobenzene
Concen: 71.600 ng
RT: 10.569 min Scan# 1441
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion: 77 Resp: 2525786

Ion	Ratio	Lower	Upper
77	100		
182	25.3	4.1	44.1
105	22.2	1.8	41.8
51	30.3	9.7	49.7





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.351 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:188 Resp: 90597

Ion	Ratio	Lower	Upper
188	100		
94	10.8	9.0	13.6
80	11.7	9.8	14.6

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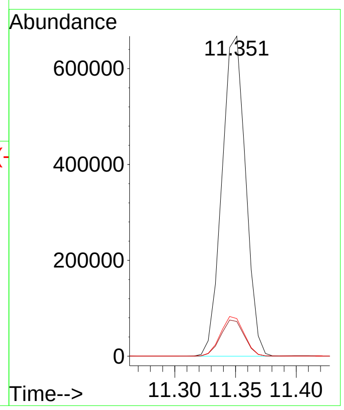
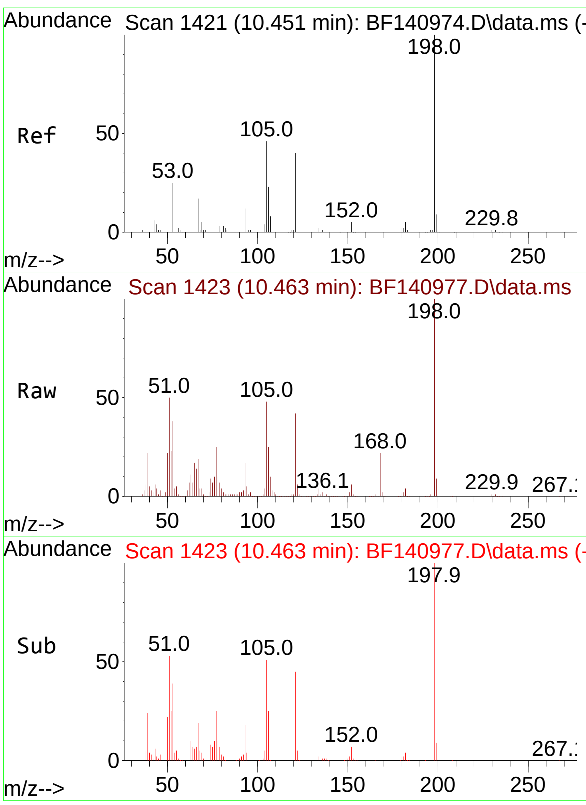
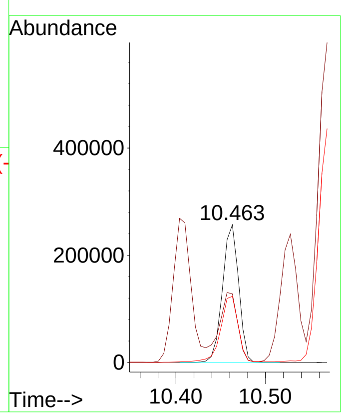


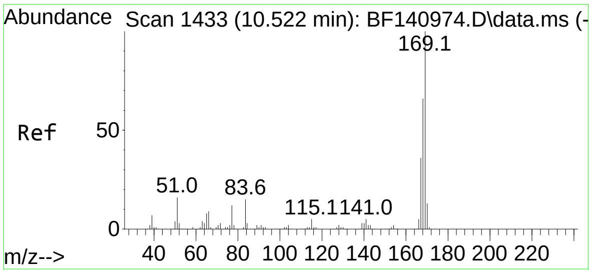


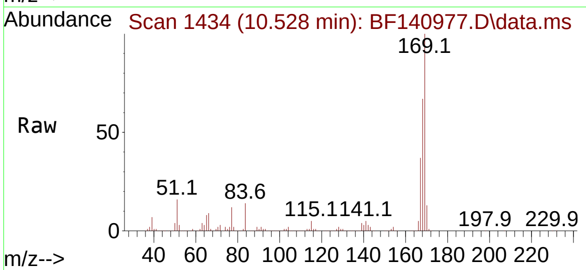
#65
4,6-Dinitro-2-methylphenol
Concen: 81.463 ng
RT: 10.463 min Scan# 1423
Delta R.T. 0.012 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

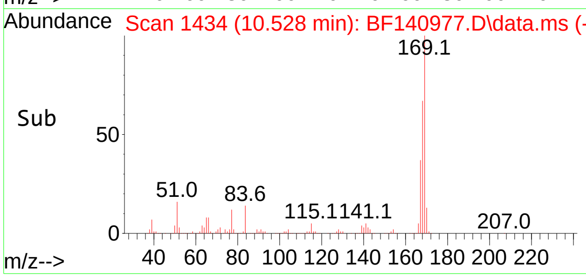
Tgt Ion:198 Resp: 323476

Ion	Ratio	Lower	Upper
198	100		
51	49.9	32.3	72.3
105	48.0	28.4	68.4









#66
n-Nitrosodiphenylamine
Concen: 70.890 ng
RT: 10.528 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:169 Resp: 202241

Ion	Ratio	Lower	Upper
169	100		
168	67.0	52.6	79.0
167	36.9	29.0	43.4

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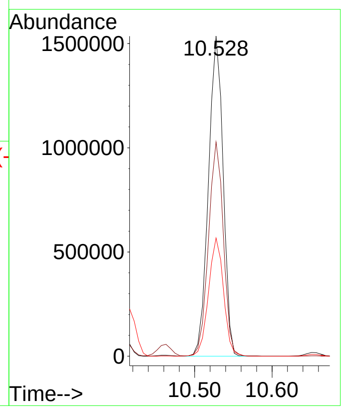
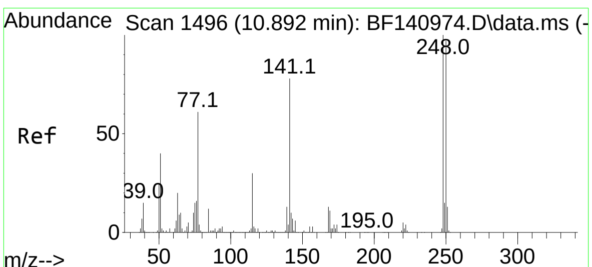
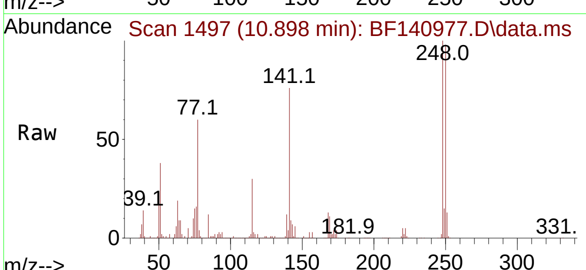
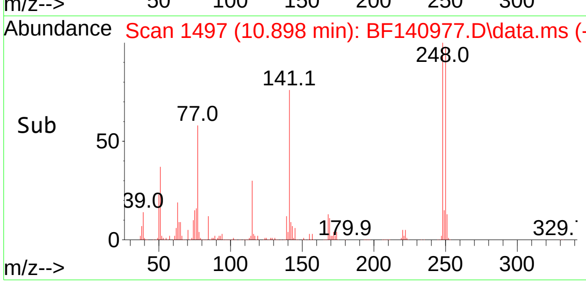




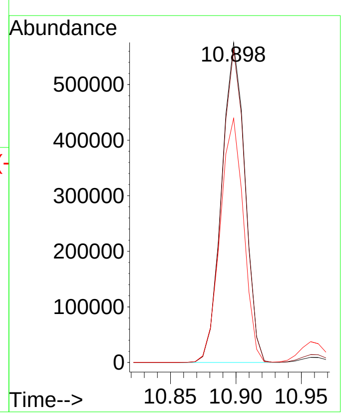




#67
4-Bromophenyl-phenylether
Concen: 72.884 ng
RT: 10.898 min Scan# 1497
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:248 Resp: 713807

Ion	Ratio	Lower	Upper
248	100		
250	97.8	77.7	116.5
141	76.3	62.1	93.1



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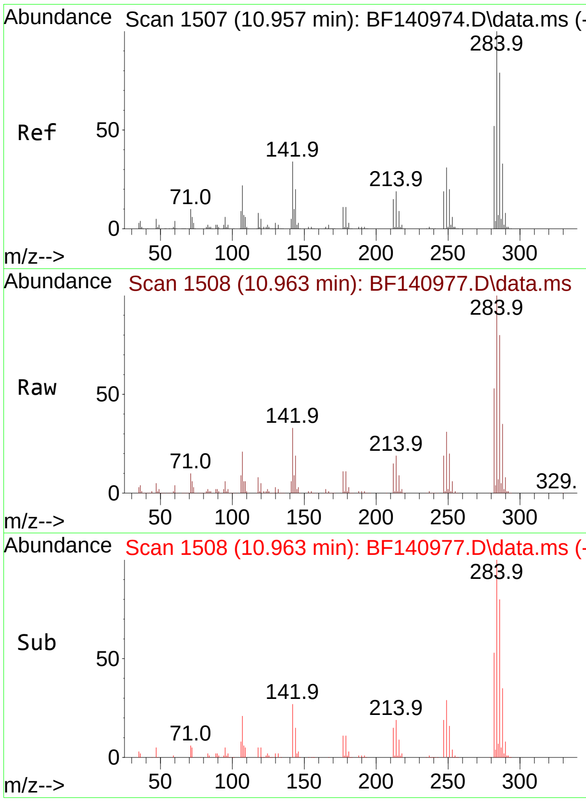

#68
Hexachlorobenzene
Concen: 73.971 ng
RT: 10.963 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:284 Resp: 79882

Ion	Ratio	Lower	Upper
284	100		
142	32.8	27.1	40.7
249	31.0	25.1	37.7

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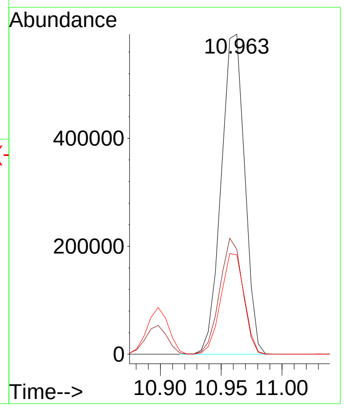
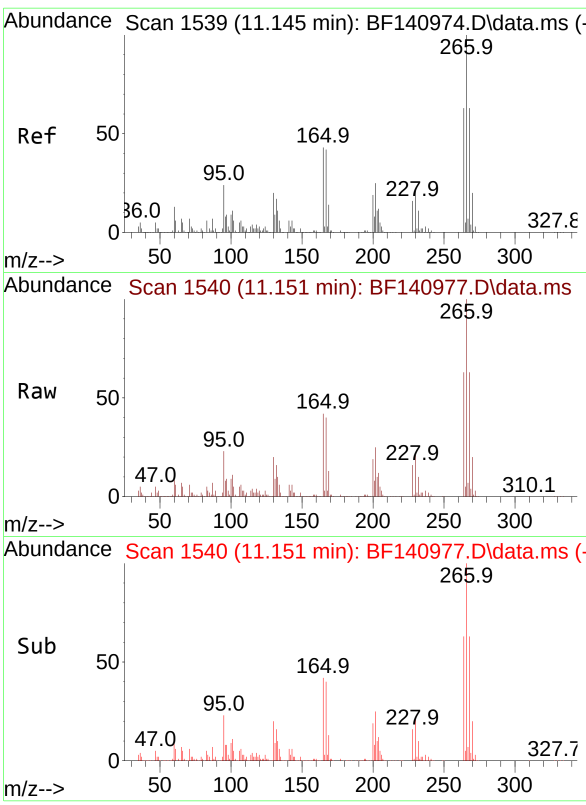
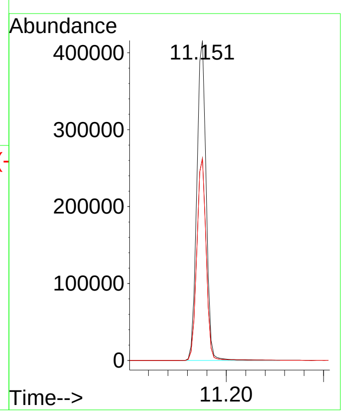


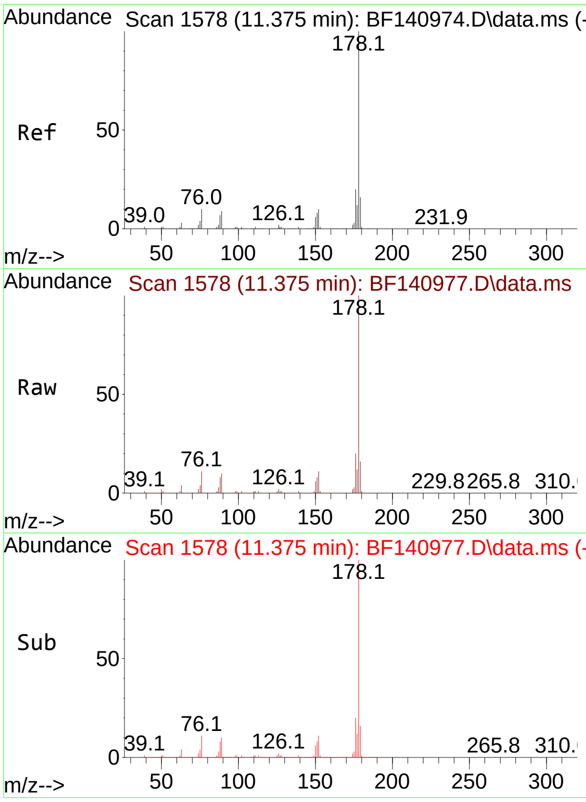


#70
Pentachlorophenol
Concen: 83.248 ng
RT: 11.151 min Scan# 1540
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:266 Resp: 559728

Ion	Ratio	Lower	Upper
266	100		
268	63.3	50.5	75.7
264	62.9	50.2	75.4





#71
Phenanthrene
Concen: 68.921 ng
RT: 11.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:178 Resp: 328628

Ion	Ratio	Lower	Upper
178	100		
176	20.4	15.8	23.6
179	16.4	12.6	19.0

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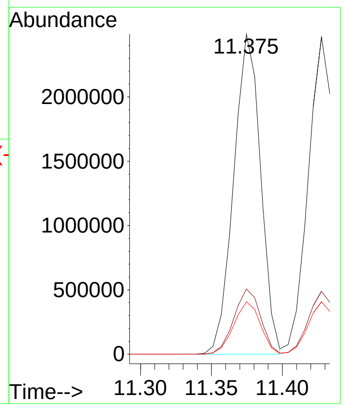
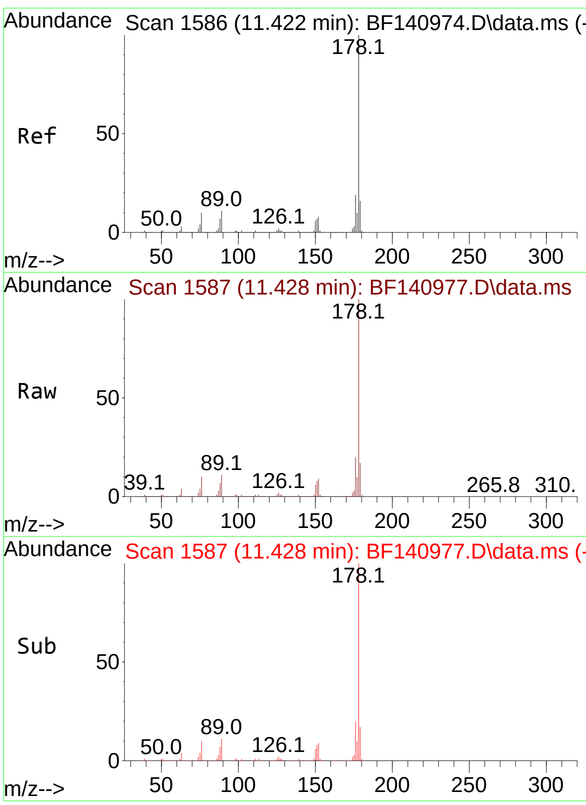
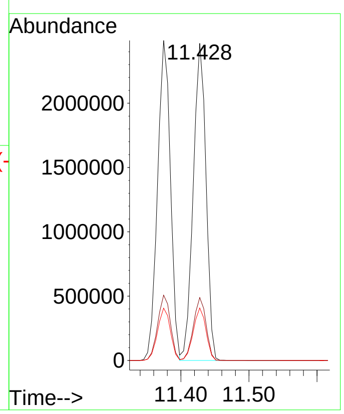


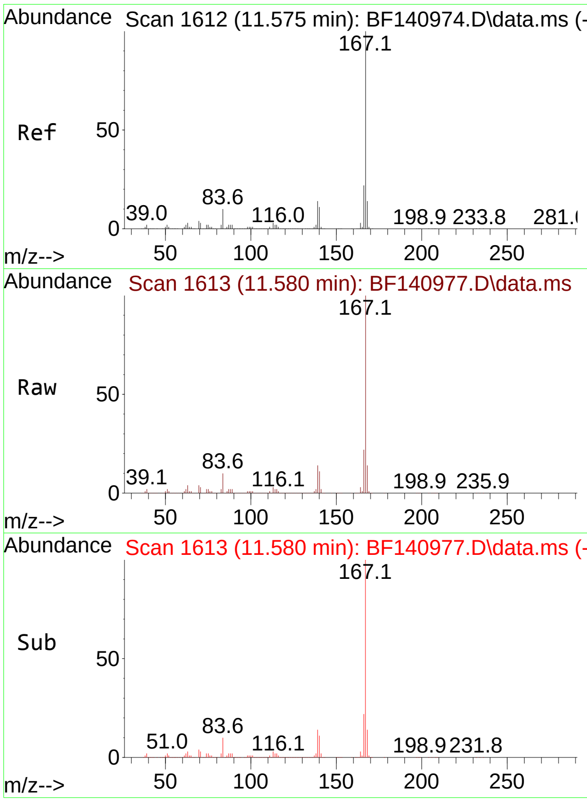


#72
Anthracene
Concen: 68.578 ng
RT: 11.428 min Scan# 1587
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:178 Resp: 3204142

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.3	22.9
179	16.6	12.9	19.3





#73
Carbazole
Concen: 69.118 ng
RT: 11.580 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:167 Resp: 310446

Ion	Ratio	Lower	Upper
167	100		
166	22.5	17.5	26.3
139	14.3	11.0	16.4

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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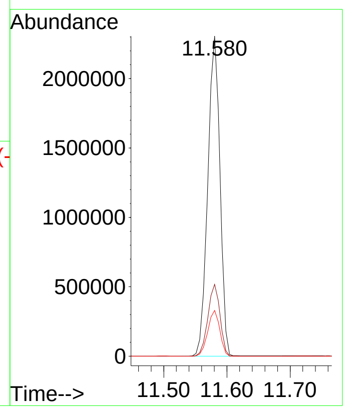
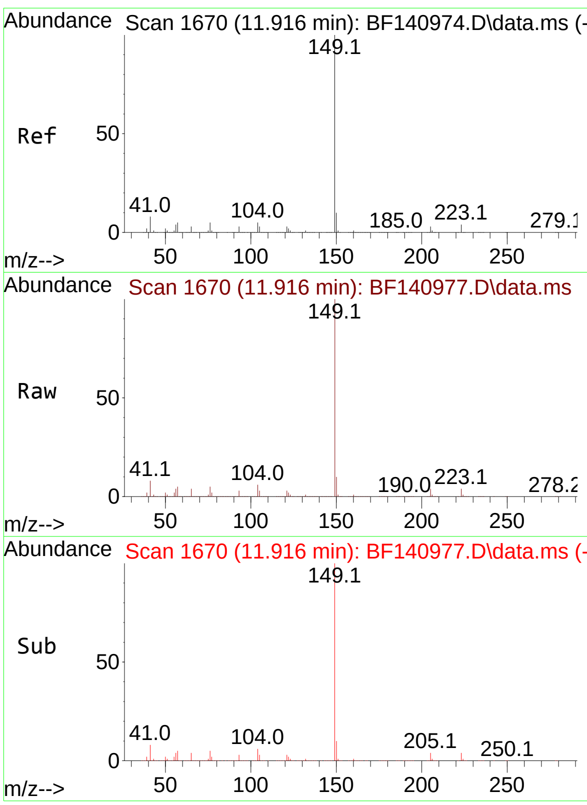
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

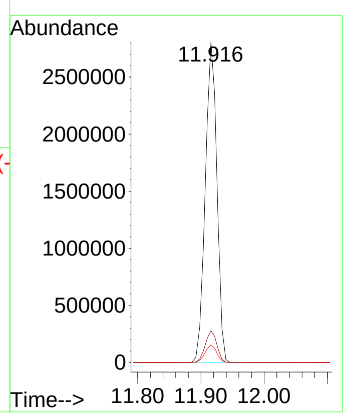




#74
Di-n-butylphthalate
Concen: 70.229 ng
RT: 11.916 min Scan# 1670
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:149 Resp: 3587776

Ion	Ratio	Lower	Upper
149	100		
150	9.9	7.7	11.5
104	5.5	4.1	6.1



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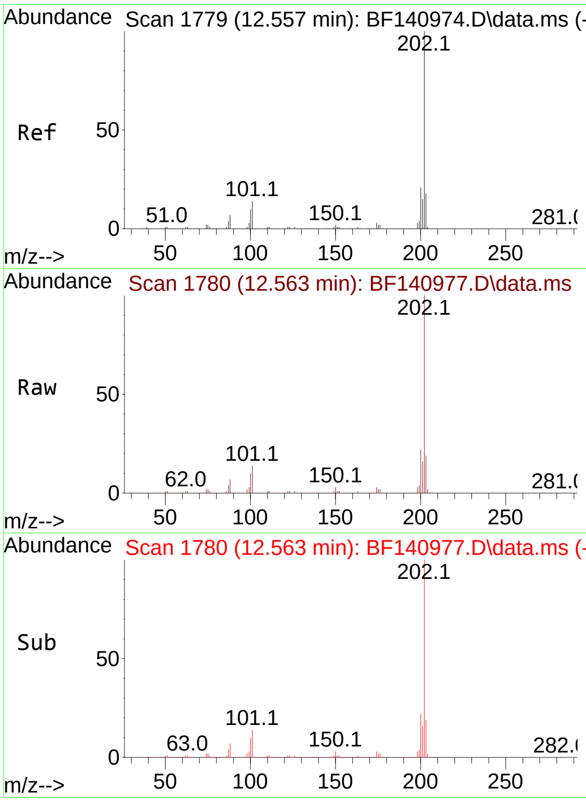
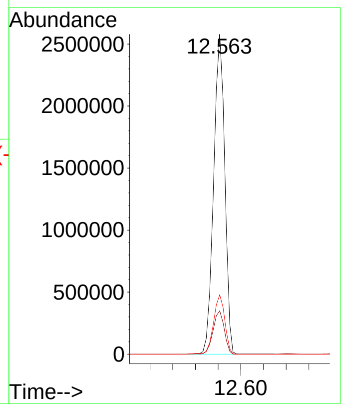


#75
Fluoranthene
Concen: 67.687 ng
RT: 12.563 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:202 Resp: 350037

Ion	Ratio	Lower	Upper
202	100		
101	13.5	0.0	33.7
203	18.6	0.0	38.1



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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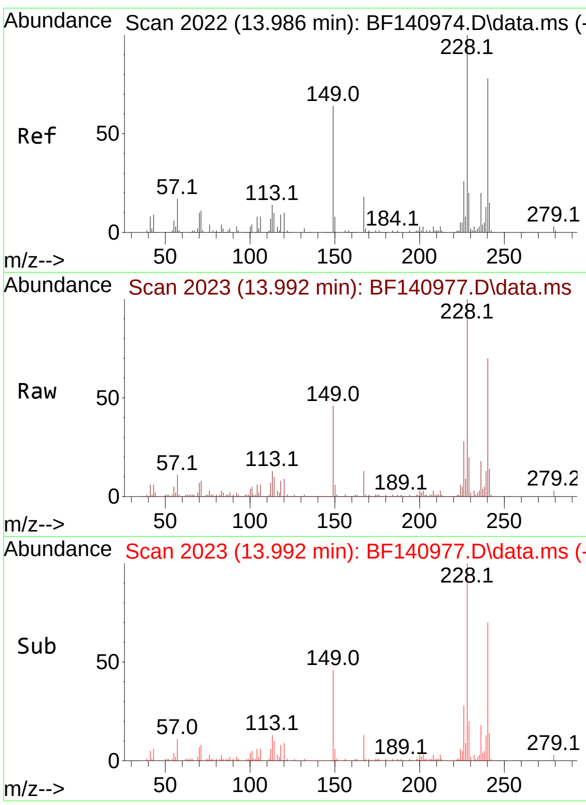
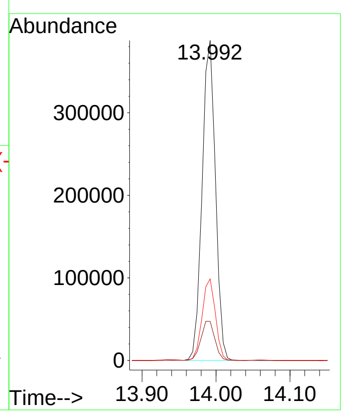


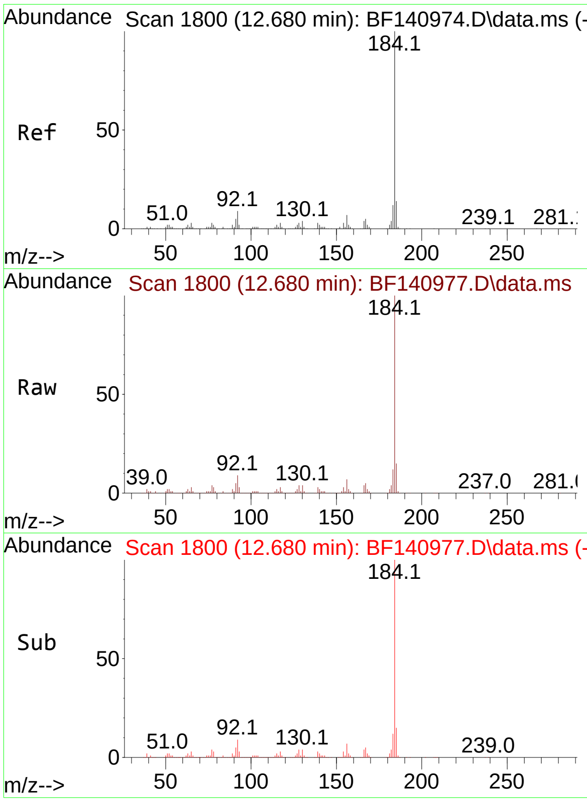
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.992 min Scan# 2023
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:240 Resp: 487461

Ion	Ratio	Lower	Upper
240	100		
120	12.2	10.7	16.1
236	25.5	20.6	31.0



ICAL Form



#77
Benzidine
Concen: 76.072 ng
RT: 12.680 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:184 Resp: 78369

Ion	Ratio	Lower	Upper
184	100		
185	14.7	11.4	17.2
183	11.6	9.4	14.0

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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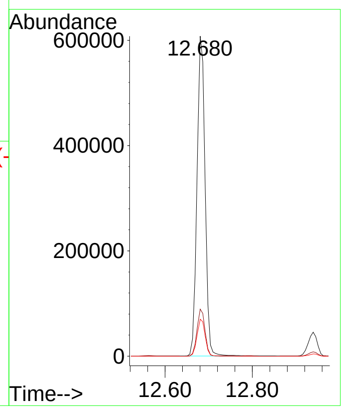
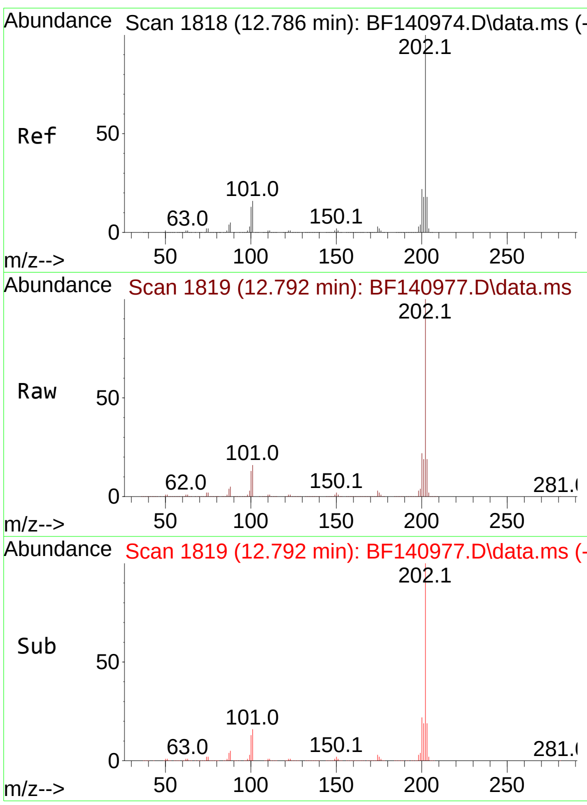
Supervised By :mohammad ahmed 12/27/2024

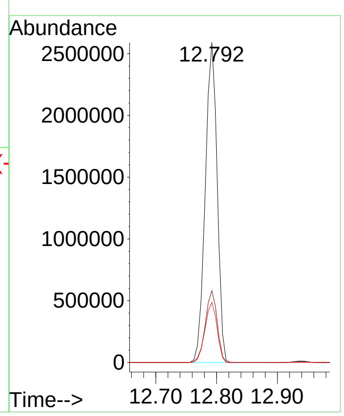




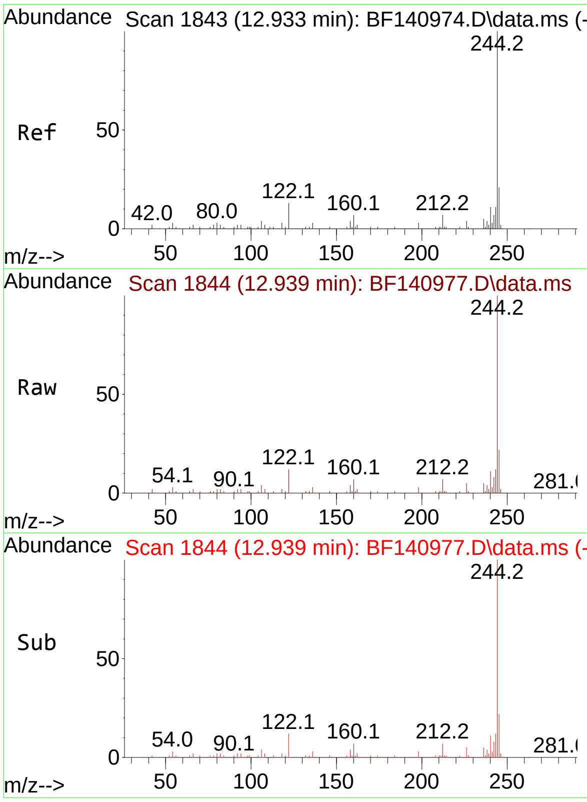
#78
Pyrene
Concen: 82.441 ng
RT: 12.792 min Scan# 1819
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:202 Resp: 3514654

Ion	Ratio	Lower	Upper
202	100		
200	22.4	17.3	25.9
203	18.8	14.6	21.8



ICAL Form



#79
Terphenyl-d14
Concen: 160.683 ng
RT: 12.939 min Scan# 18
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:244 Resp: 471564

Ion	Ratio	Lower	Upper
244	100		
212	7.4	5.7	8.5
122	12.0	10.2	15.2

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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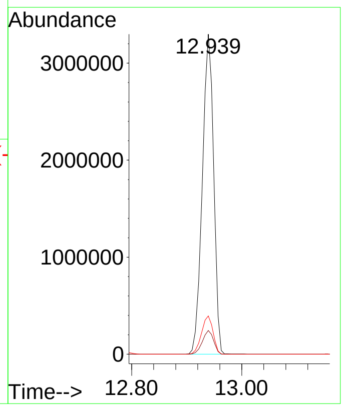
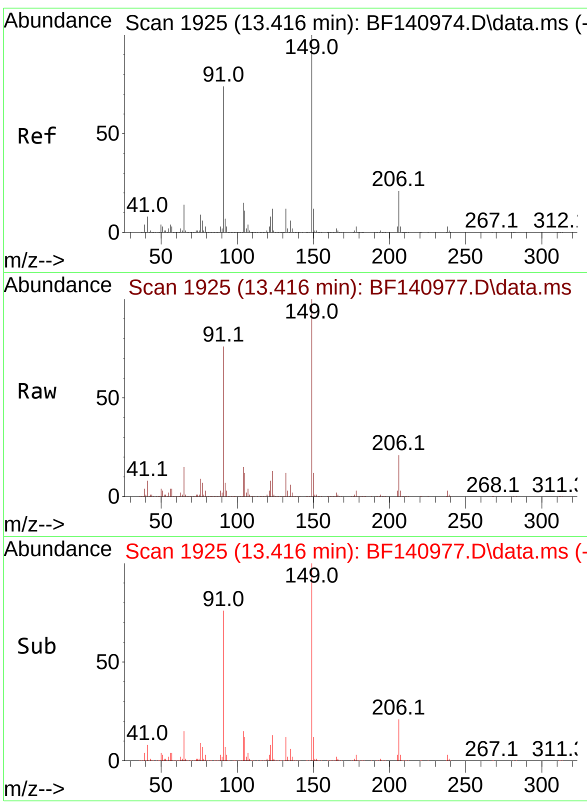
Supervised By :mohammad ahmed 12/27/2024

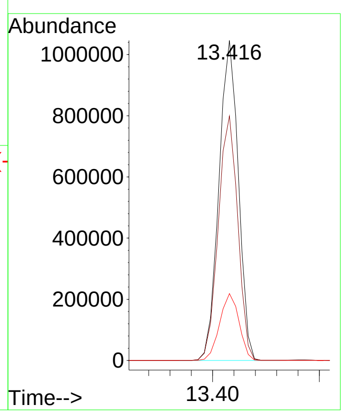


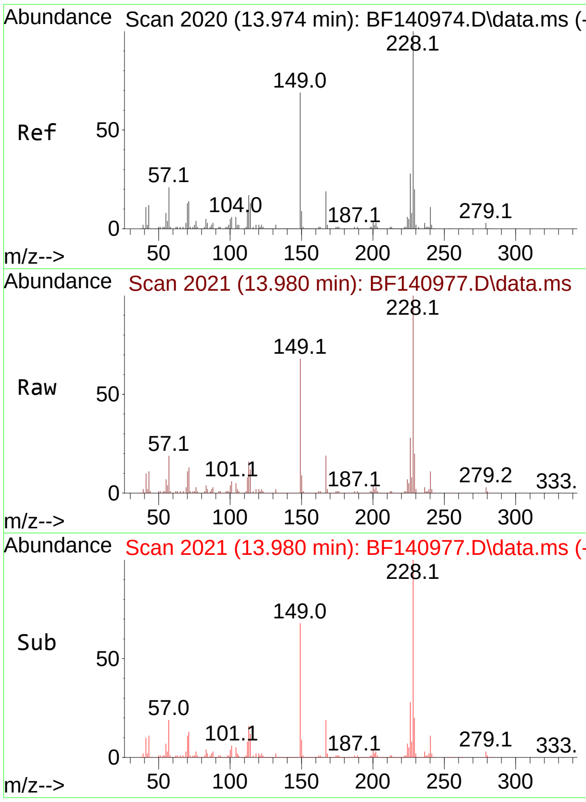


#80
Butylbenzylphthalate
Concen: 85.018 ng
RT: 13.416 min Scan# 1925
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:149 Resp: 1323506

Ion	Ratio	Lower	Upper
149	100		
91	76.4	59.5	89.3
206	20.9	17.1	25.7





#81
Benzo(a)anthracene
Concen: 71.825 ng
RT: 13.980 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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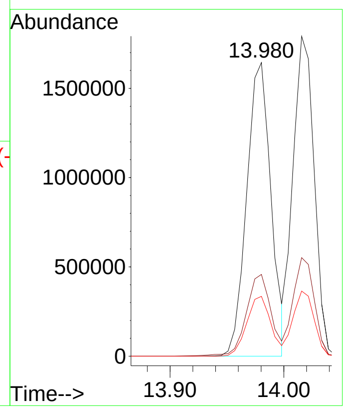
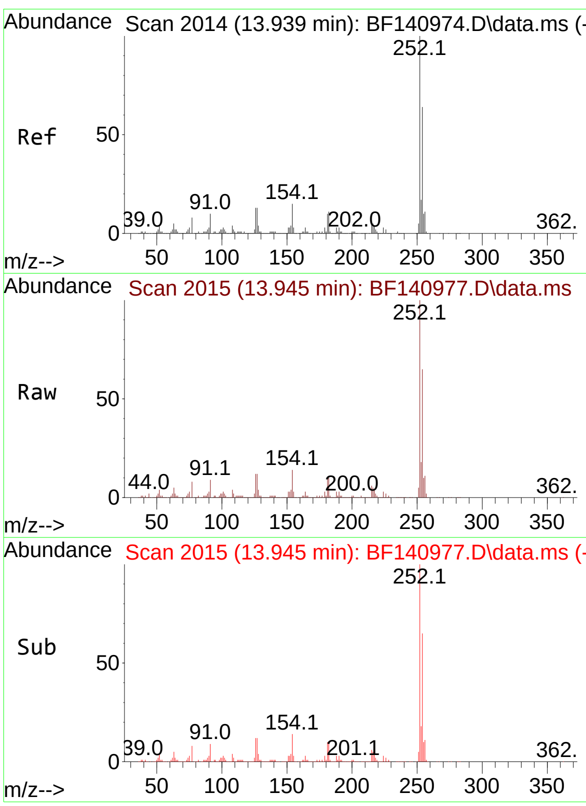
Supervised By :mohammad ahmed 12/27/2024

Tgt Ion:228 Resp: 244011

Ion	Ratio	Lower	Upper
228	100		
226	27.9	22.1	33.1
229	20.4	16.2	24.2

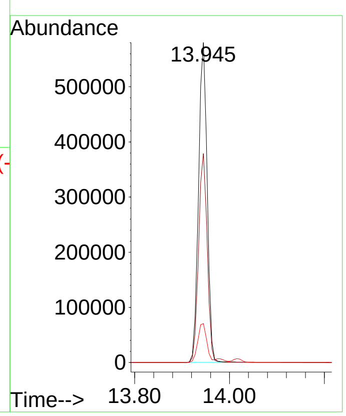


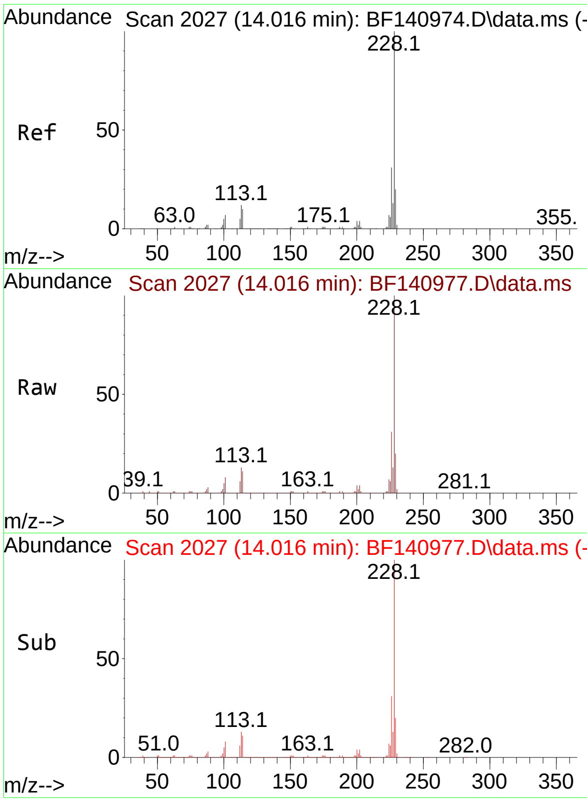


#82
3,3'-Dichlorobenzidine
Concen: 72.073 ng
RT: 13.945 min Scan# 2015
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:252 Resp: 735658

Ion	Ratio	Lower	Upper
252	100		
254	65.3	51.5	77.3
126	12.2	10.3	15.5





#83
Chrysene
Concen: 75.793 ng
RT: 14.016 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:228 Resp: 2321200

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.5	36.7
229	20.4	16.2	24.4

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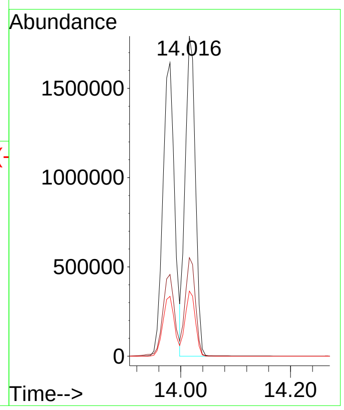
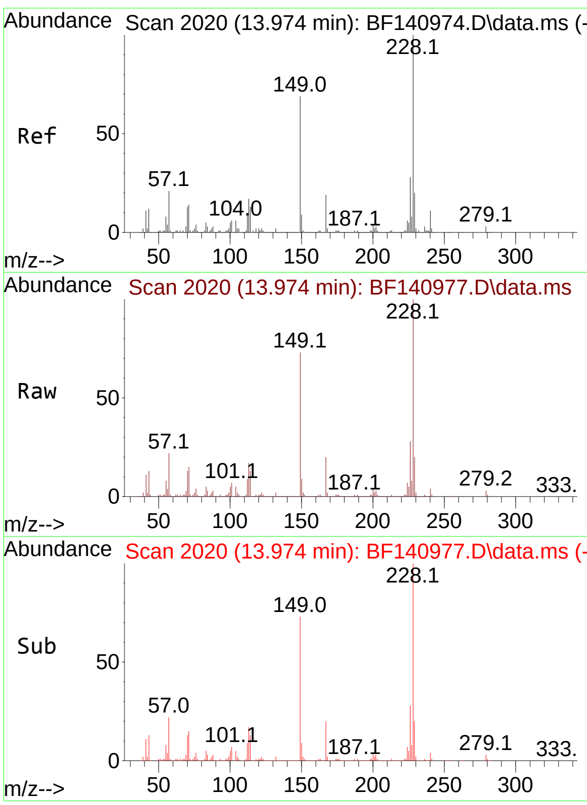
Supervised By :mohammad ahmed 12/27/2024

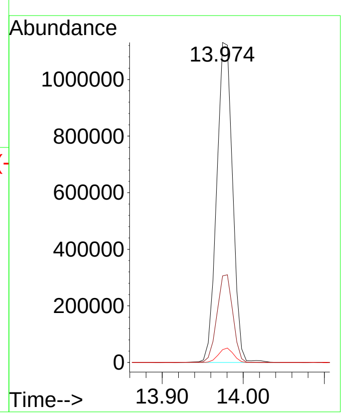


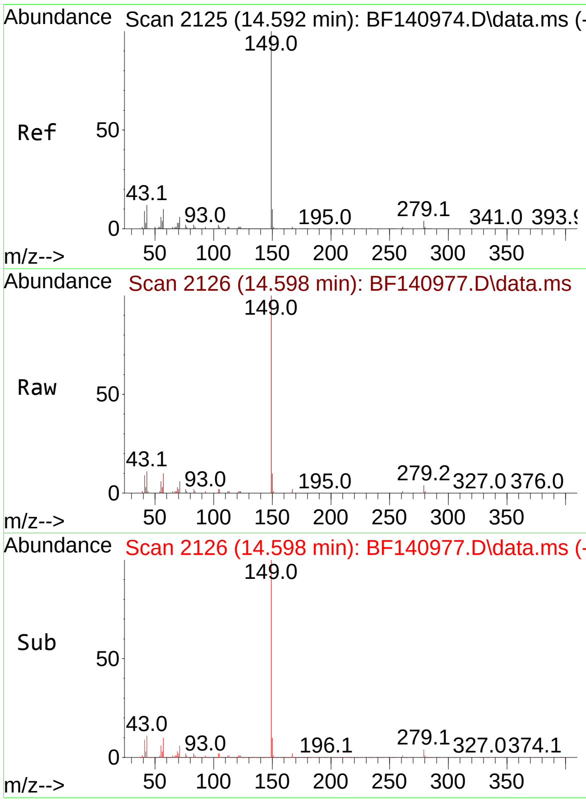


#84
Bis(2-ethylhexyl)phthalate
Concen: 76.541 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:149 Resp: 1545595

Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.6	32.4
279	4.0	3.2	4.8





#85
Di-n-octyl phthalate
Concen: 79.458 ng
RT: 14.598 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:149 Resp: 232226

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	11.5	9.3	13.9

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Manual Integrations
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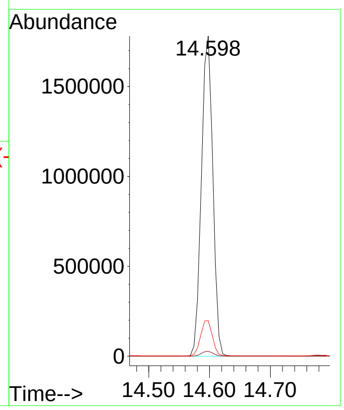
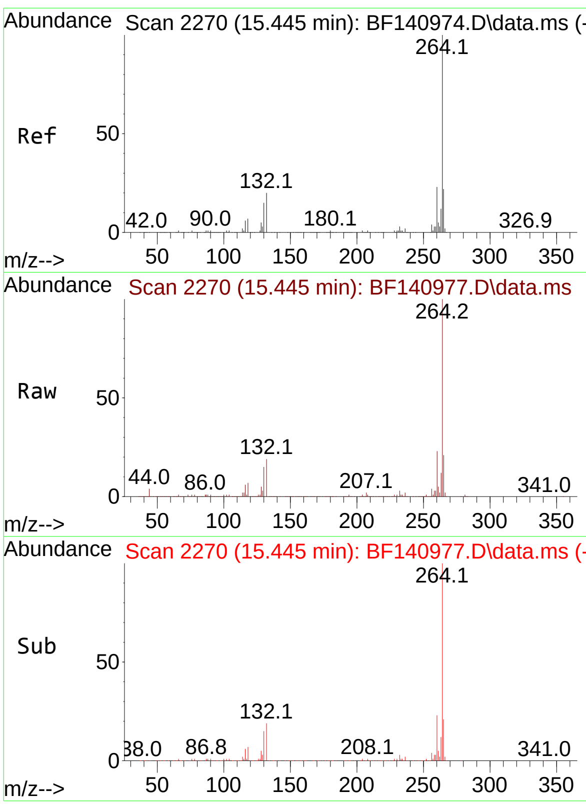
Supervised By :mohammad ahmed 12/27/2024

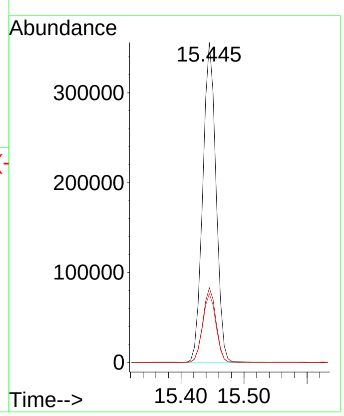


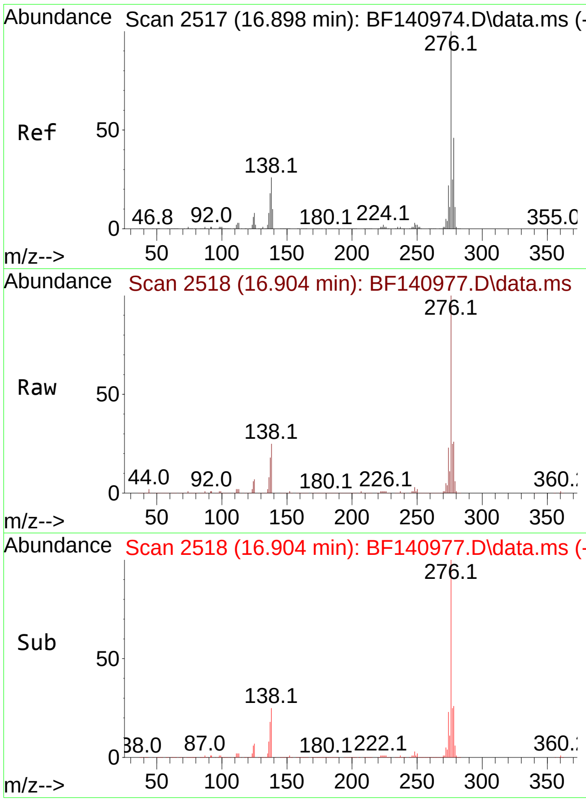


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:264 Resp: 520884

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.7	28.1
265	21.5	17.4	26.2





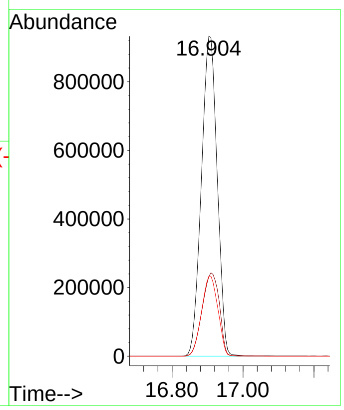
#87
Indeno(1,2,3-cd)pyrene
Concen: 88.322 ng
RT: 16.904 min Scan# 2!
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

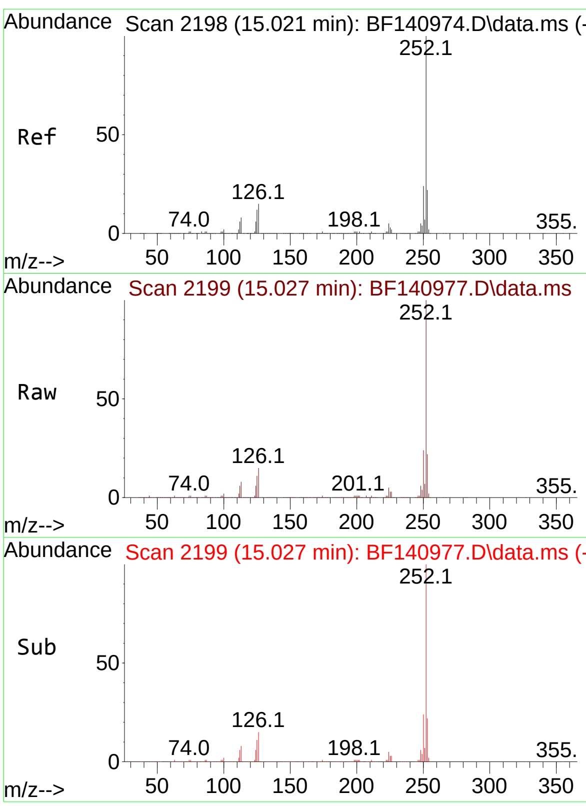
Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:276 Resp: 289844(

Ion	Ratio	Lower	Upper
276	100		
138	28.3	23.1	34.7
277	25.8	20.4	30.6

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

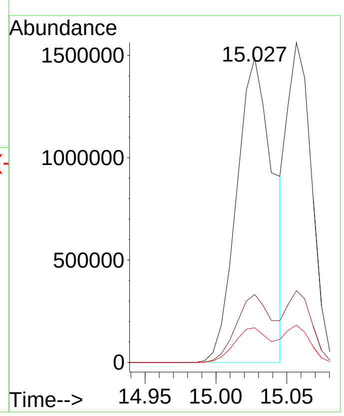




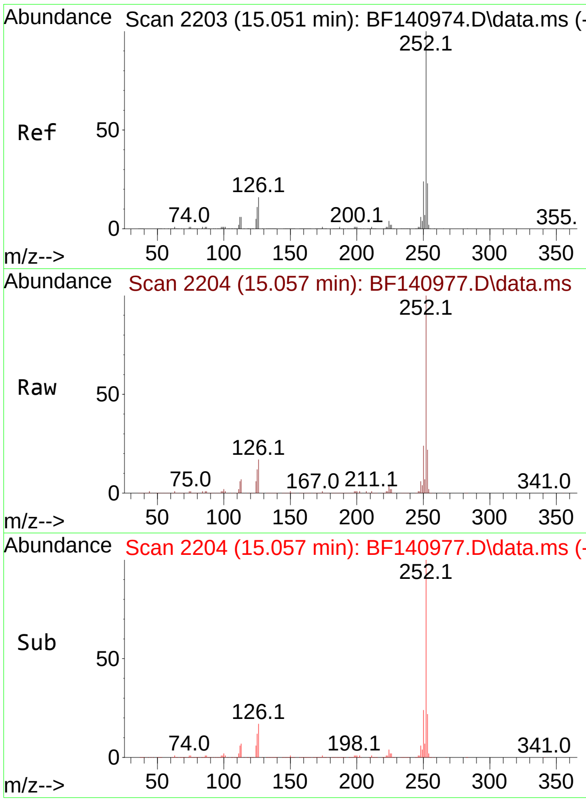
#88
Benzo(b)fluoranthene
Concen: 73.152 ng
RT: 15.027 min Scan# 2199
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:252 Resp: 2657521

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	11.4	9.3	13.9



ICAL Form



#89
Benzo(k)fluoranthene
Concen: 66.649 ng
RT: 15.057 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Instrument :
BNA_F
ClientSampleId :
SSTDICC080

Tgt Ion:252 Resp: 189770

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.8
125	11.7	9.4	14.0

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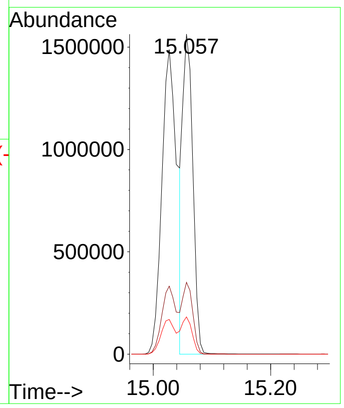
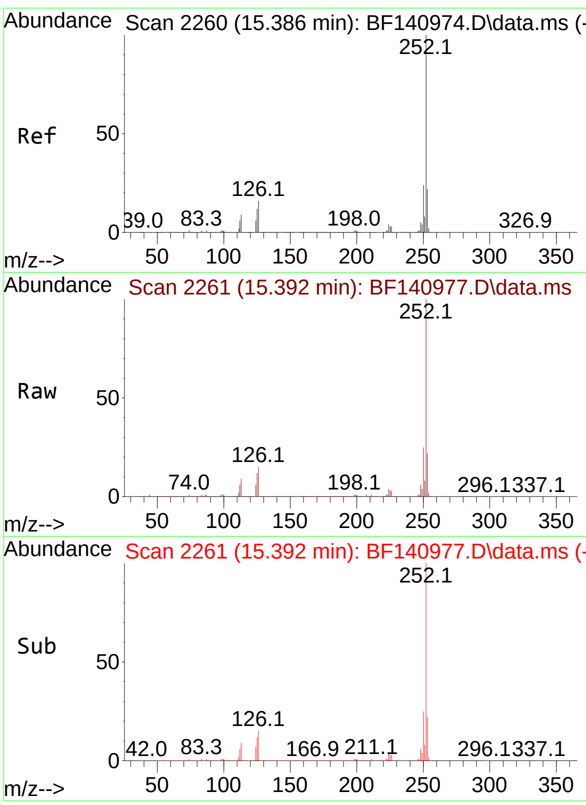
Supervised By :mohammad ahmed 12/27/2024

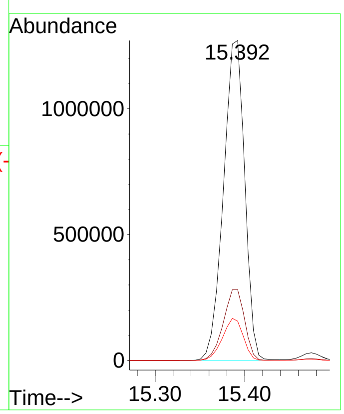




#90
Benzo(a)pyrene
Concen: 74.410 ng
RT: 15.392 min Scan# 2261
Delta R.T. 0.006 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:252 Resp: 2098162

Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.2	25.8
125	12.3	9.8	14.8



Instrument :
BNA_F
ClientSampleId :
SSTDICC080

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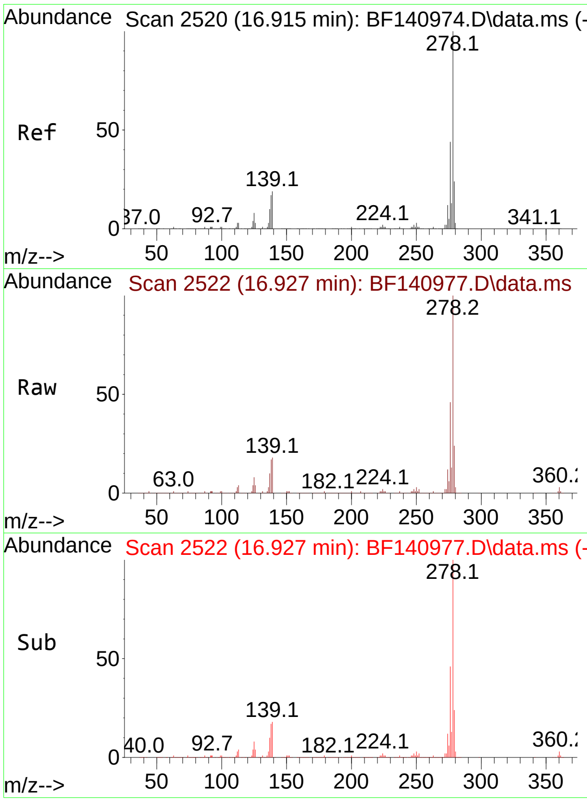
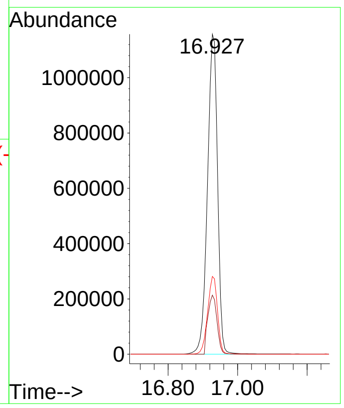
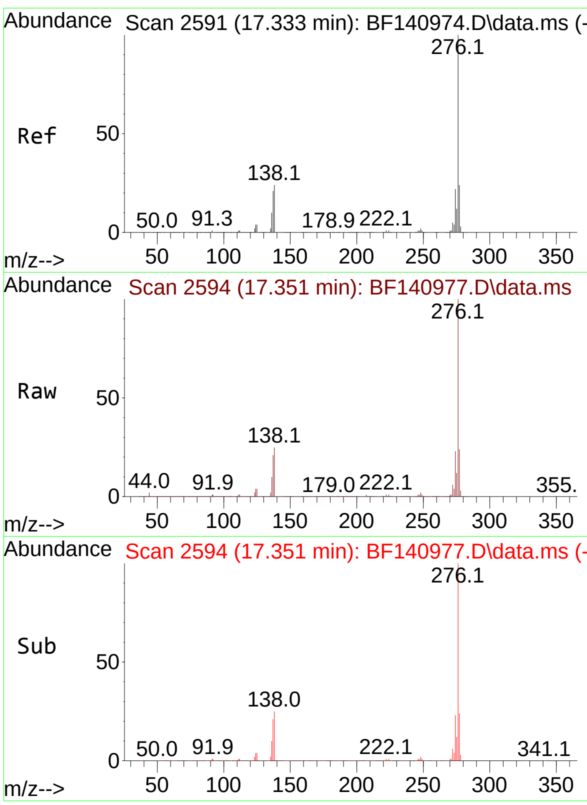


#91
Dibenzo(a,h)anthracene
Concen: 87.749 ng
RT: 16.927 min Scan# 2
Delta R.T. 0.012 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:278 Resp: 233426

Ion	Ratio	Lower	Upper
278	100		
139	18.5	14.9	22.3
279	24.3	19.0	28.6

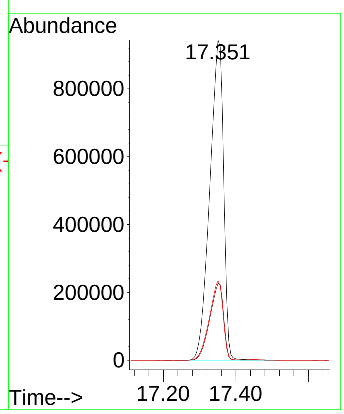




#92
Benzo(g,h,i)perylene
Concen: 90.139 ng
RT: 17.351 min Scan# 2594
Delta R.T. 0.018 min
Lab File: BF140977.D
Acq: 26 Dec 2024 19:25

Tgt Ion:276 Resp: 2487019

Ion	Ratio	Lower	Upper
276	100		
277	24.1	19.0	28.4
138	24.8	19.4	29.2



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140978.D
Acq On : 26 Dec 2024 19:52
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

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

Quant Time: Dec 27 00:40:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	6.828	152	278910	20.000 ng	0.00
21) Naphthalene-d8	8.110	136	1096814	20.000 ng	0.00
39) Acenaphthene-d10	9.863	164	586665	20.000 ng	0.00
64) Phenanthrene-d10	11.345	188	1025959	20.000 ng	0.00
76) Chrysene-d12	13.986	240	614249	20.000 ng	0.00
86) Perylene-d12	15.439	264	543067	20.000 ng	0.00
System Monitoring Compounds					
5) 2-Fluorophenol	5.434	112	1428981	77.230 ng	0.00
7) Phenol-d6	6.451	99	1850114	77.619 ng	0.00
23) Nitrobenzene-d5	7.392	82	1567133	91.412 ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	471519	82.713 ng	0.00
45) 2-Fluorobiphenyl	9.186	172	2755058	74.821 ng	0.00
79) Terphenyl-d14	12.933	244	3082241	83.347 ng	0.00
Target Compounds					Qvalue
2) 1,4-Dioxane	2.557	88	327350	39.078 ng	99
3) Pyridine	3.299	79	802921	39.221 ng	99
4) n-Nitrosodimethylamine	3.252	42	405836	39.126 ng	100
6) Aniline	6.487	93	854884	40.214 ng	99
8) 2-Chlorophenol	6.610	128	885691	45.402 ng	98
9) Benzaldehyde	6.375	77	487130	42.275 ng	100
10) Phenol	6.463	94	1150959	46.698 ng	99
11) bis(2-Chloroethyl)ether	6.569	93	783408	39.366 ng	98
12) 1,3-Dichlorobenzene	6.769	146	836638	38.861 ng	99
13) 1,4-Dichlorobenzene	6.845	146	881416	40.612 ng	100
14) 1,2-Dichlorobenzene	6.998	146	784556	38.772 ng	100
15) Benzyl Alcohol	6.969	79	680874	39.751 ng	100
16) 2,2'-oxybis(1-Chloropr...	7.110	45	1153471	38.326 ng	99
17) 2-Methylphenol	7.075	107	642058	39.617 ng	100
18) Hexachloroethane	7.345	117	308596	40.027 ng	99
19) n-Nitroso-di-n-propyla...	7.245	70	596199	40.828 ng	100
20) 3+4-Methylphenols	7.228	107	806484	39.323 ng	99
22) Acetophenone	7.240	105	1020280	37.920 ng	99
24) Nitrobenzene	7.410	77	844017	44.060 ng	99
25) Isophorone	7.651	82	1437535	38.534 ng	99
26) 2-Nitrophenol	7.728	139	334326	43.185 ng	99
27) 2,4-Dimethylphenol	7.757	122	544355	39.926 ng	100
28) bis(2-Chloroethoxy)met...	7.863	93	905816	38.323 ng	100
29) 2,4-Dichlorophenol	7.963	162	622844	40.280 ng	99
30) 1,2,4-Trichlorobenzene	8.051	180	721146	41.204 ng	100
31) Naphthalene	8.134	128	2224743	38.493 ng	100
32) Benzoic acid	7.863	122	473862	43.158 ng	97
33) 4-Chloroaniline	8.181	127	819674	39.203 ng	99
34) Hexachlorobutadiene	8.251	225	403377	39.095 ng	100
35) Caprolactam	8.545	113	211002m	40.139 ng	
36) 4-Chloro-3-methylphenol	8.651	107	733502	42.714 ng	99
37) 2-Methylnaphthalene	8.822	142	1417576	38.340 ng	100
38) 1-Methylnaphthalene	8.922	142	1379859	37.974 ng	98
40) 1,2,4,5-Tetrachloroben...	8.986	216	621819	38.527 ng	100
41) Hexachlorocyclopentadiene	8.975	237	216938	40.560 ng	100
43) 2,4,6-Trichlorophenol	9.092	196	431607	40.180 ng	100

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140978.D
Acq On : 26 Dec 2024 19:52
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Manual Integrations APPROVED

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

Quant Time: Dec 27 00:40:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44)	2,4,5-Trichlorophenol	9.128	196	446928	40.663	ng		100
46)	1,1'-Biphenyl	9.286	154	1703208	37.916	ng		100
47)	2-Chloronaphthalene	9.310	162	1339282	38.442	ng		100
48)	2-Nitroaniline	9.398	65	389029	43.198	ng		99
49)	Acenaphthylene	9.722	152	1919436	38.272	ng		100
50)	Dimethylphthalate	9.586	163	1482676	38.422	ng		100
51)	2,6-Dinitrotoluene	9.645	165	329921	42.386	ng		99
52)	Acenaphthene	9.898	154	1361911	40.168	ng		100
53)	3-Nitroaniline	9.810	138	360491	42.522	ng	#	98
54)	2,4-Dinitrophenol	9.910	184	110045	45.538	ng		86
55)	Dibenzofuran	10.069	168	1825813	38.318	ng		100
56)	4-Nitrophenol	9.957	139	320756	48.593	ng		99
57)	2,4-Dinitrotoluene	10.045	165	425111	44.506	ng		99
58)	Fluorene	10.410	166	1391829	37.668	ng		100
59)	2,3,4,6-Tetrachlorophenol	10.181	232	379409	41.681	ng		99
60)	Diethylphthalate	10.286	149	1471636	38.629	ng		100
61)	4-Chlorophenyl-phenyle...	10.404	204	674323	37.928	ng		99
62)	4-Nitroaniline	10.422	138	351313	41.571	ng		98
63)	Azobenzene	10.563	77	1538321	38.471	ng		100
65)	4,6-Dinitro-2-methylph...	10.451	198	172455	43.296	ng		100
66)	n-Nitrosodiphenylamine	10.522	169	1252782	38.777	ng		100
67)	4-Bromophenyl-phenylether	10.892	248	435284	39.247	ng		100
68)	Hexachlorobenzene	10.957	284	475602	38.890	ng		99
69)	Atrazine	11.045	200	323638	35.858	ng		98
70)	Pentachlorophenol	11.145	266	349248	45.869	ng		99
71)	Phenanthrene	11.375	178	2072012	38.373	ng		100
72)	Anthracene	11.422	178	2027823	38.325	ng		100
73)	Carbazole	11.575	167	1937732	38.096	ng		100
74)	Di-n-butylphthalate	11.916	149	2237362	38.673	ng		100
75)	Fluoranthene	12.557	202	2209244	37.724	ng		100
77)	Benzidine	12.680	184	520577	40.101	ng		100
78)	Pyrene	12.786	202	2340872	43.575	ng		100
80)	Butylbenzylphthalate	13.410	149	857532	43.715	ng		96
81)	Benzo(a)anthracene	13.974	228	1624247	37.941	ng		99
82)	3,3'-Dichlorobenzidine	13.939	252	460524	35.805	ng		99
83)	Chrysene	14.010	228	1531898	39.695	ng		100
84)	Bis(2-ethylhexyl)phtha...	13.974	149	1035953	40.713	ng		100
85)	Di-n-octyl phthalate	14.592	149	1446783	39.285	ng		100
87)	Indeno(1,2,3-cd)pyrene	16.892	276	1514165	44.255	ng		100
88)	Benzo(b)fluoranthene	15.021	252	1367890	36.115	ng		100
89)	Benzo(k)fluoranthene	15.051	252	1203912	40.555	ng		100
90)	Benzo(a)pyrene	15.380	252	1132116	38.510	ng		99
91)	Dibenzo(a,h)anthracene	16.915	278	1241284	44.756	ng		99
92)	Benzo(g,h,i)perylene	17.333	276	1297980	45.122	ng		99

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

Quantitation Report (QT Reviewed)

ICAL Form

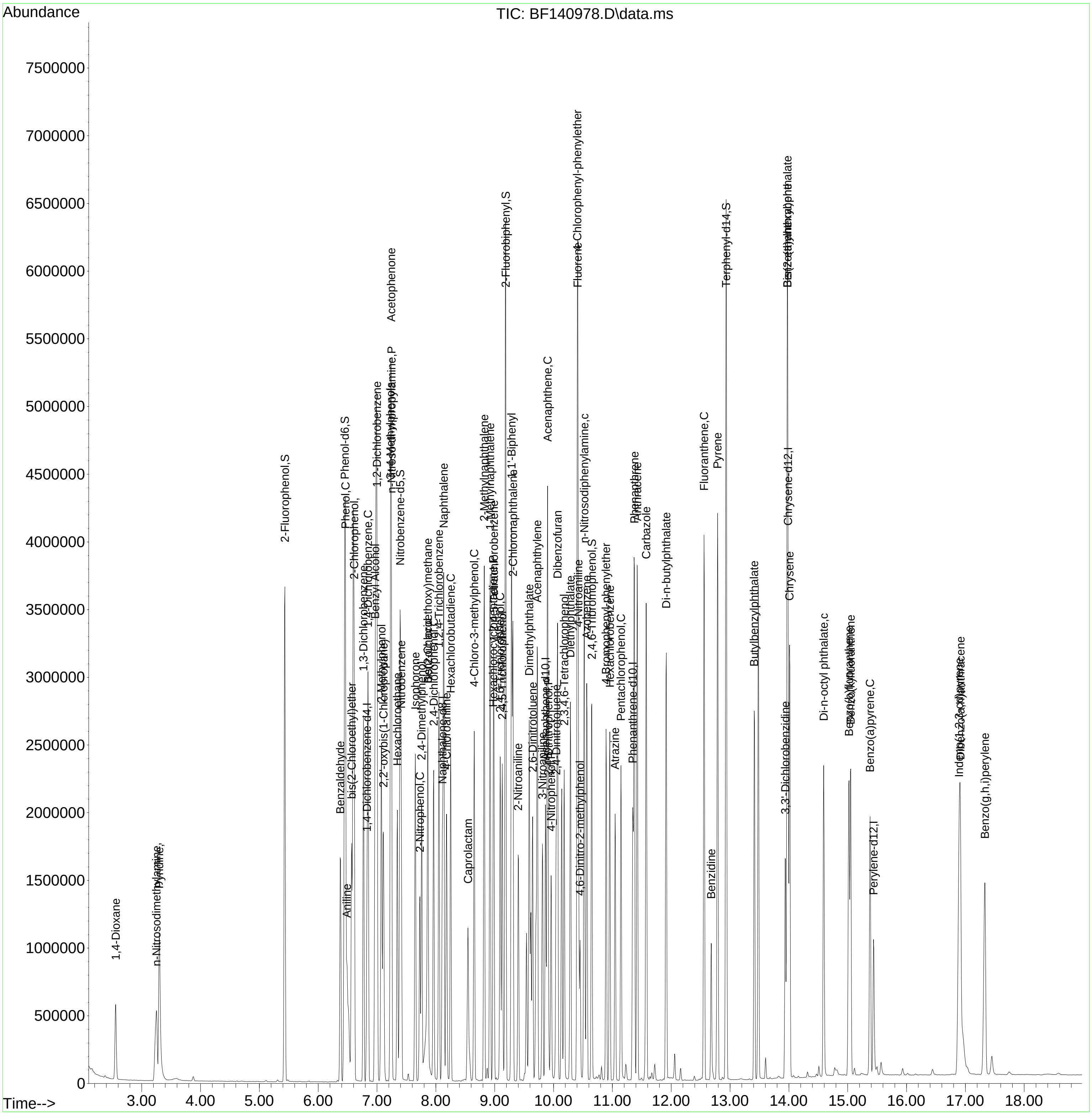
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140978.D
Acq On : 26 Dec 2024 19:52
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

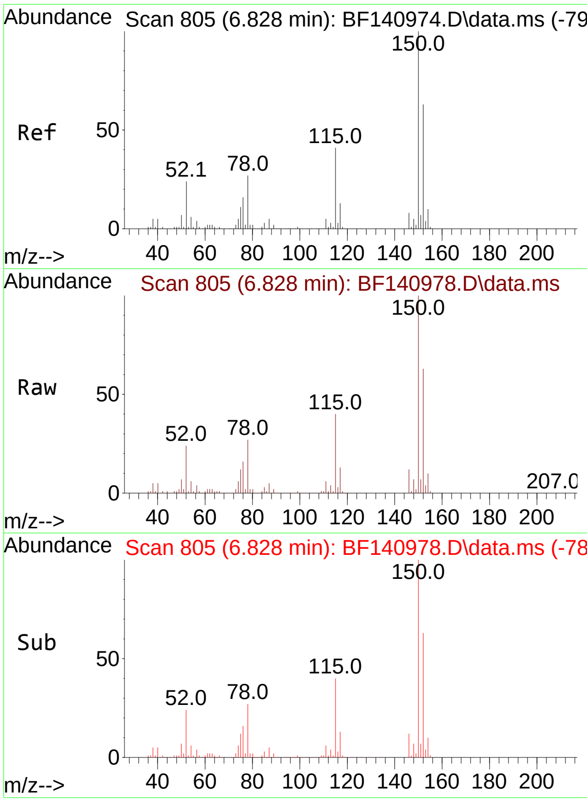
Quant Time: Dec 27 00:40:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Manual Integrations APPROVED

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



ICAL Form



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

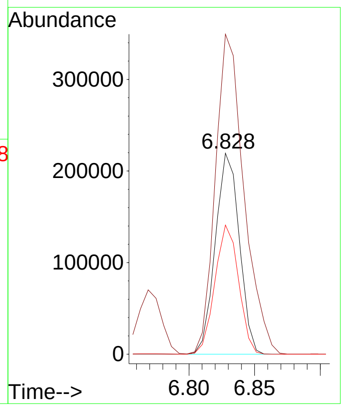
Tgt Ion:152 Resp: 27891

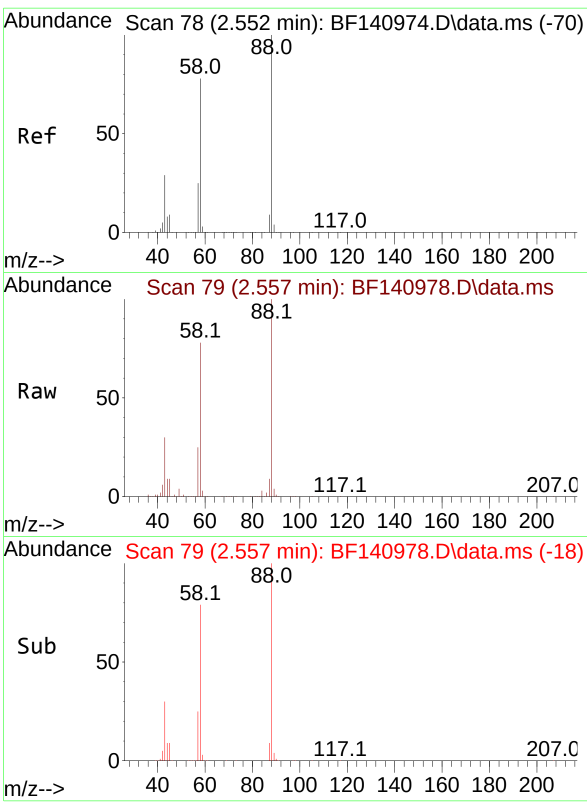
Ion	Ratio	Lower	Upper
152	100		
150	159.2	127.0	190.6
115	64.3	51.7	77.5

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Manual Integrations APPROVED

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

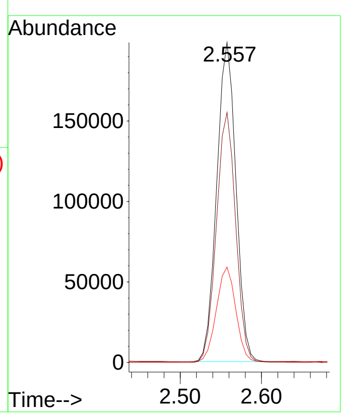


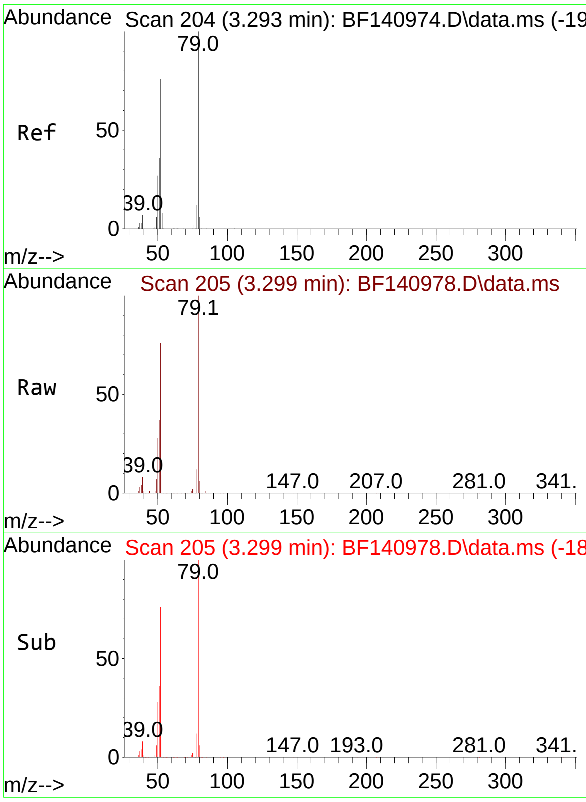


#2
1,4-Dioxane
Concen: 39.078 ng
RT: 2.557 min Scan# 79
Delta R.T. 0.006 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion: 88 Resp: 327350

Ion	Ratio	Lower	Upper
88	100		
58	78.3	63.0	94.4
43	29.7	23.4	35.2





#3
Pyridine
Concen: 39.221 ng
RT: 3.299 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

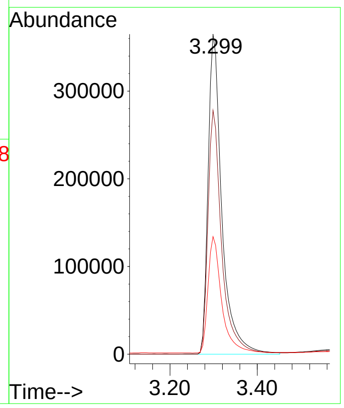
Tgt Ion: 79 Resp: 80292

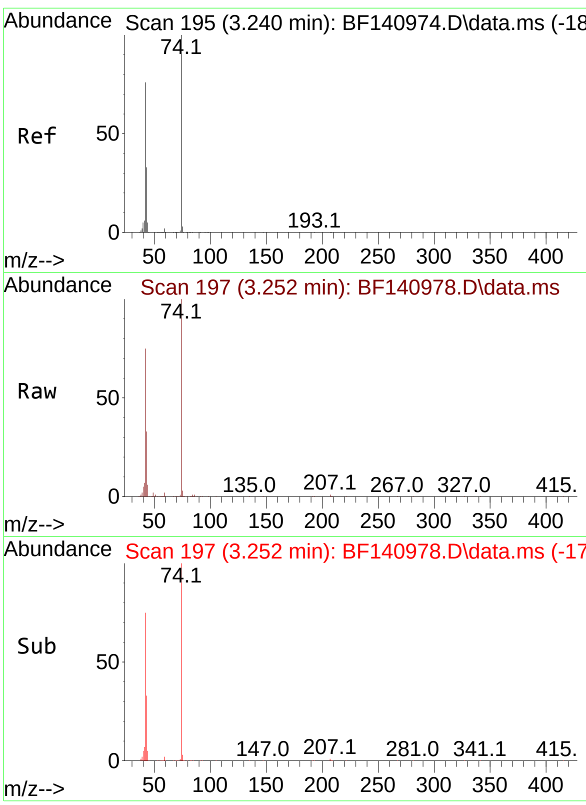
Ion	Ratio	Lower	Upper
79	100		
52	76.2	60.4	90.6
51	36.8	28.8	43.2

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Manual Integrations APPROVED

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

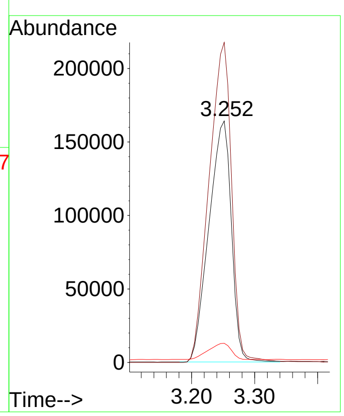




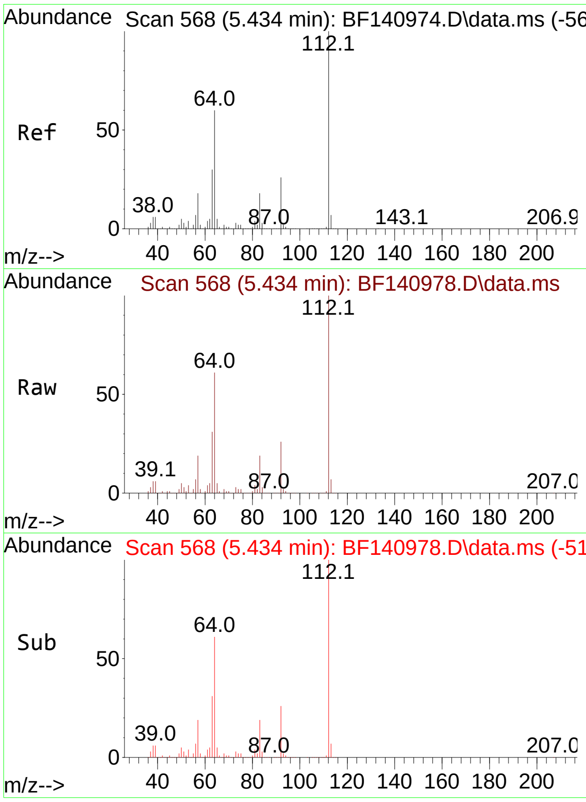
#4
n-Nitrosodimethylamine
Concen: 39.126 ng
RT: 3.252 min Scan# 197
Delta R.T. 0.012 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion: 42 Resp: 405836

Ion	Ratio	Lower	Upper
42	100		
74	132.5	105.8	158.6
44	7.9	6.6	10.0



ICAL Form



#5
2-Fluorophenol
Concen: 77.230 ng
RT: 5.434 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

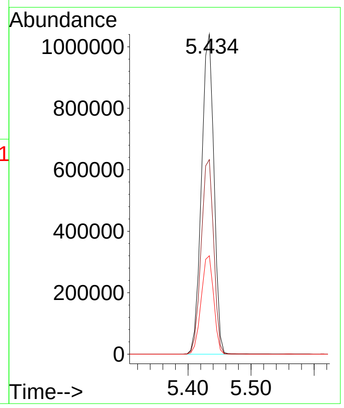
Instrument :
BNA_F
ClientSampleId :
ICVBF122624

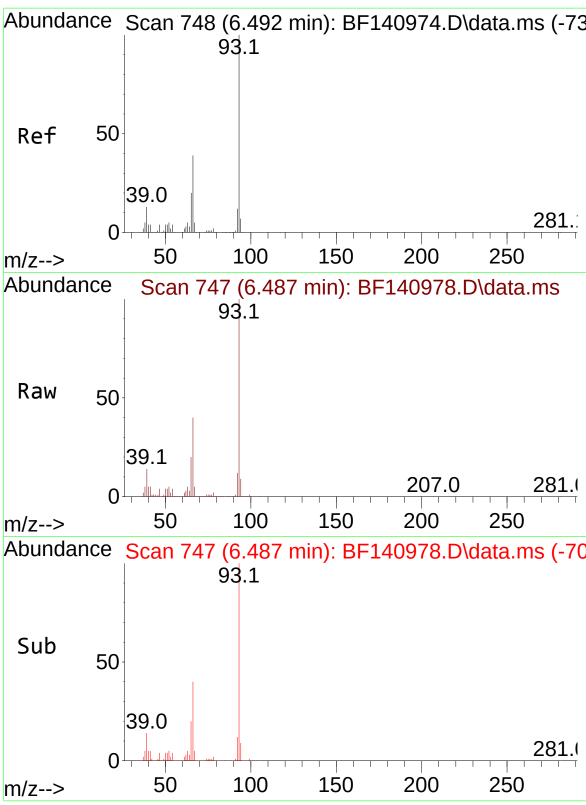
Tgt Ion:112 Resp: 142898

Ion	Ratio	Lower	Upper
112	100		
64	60.8	47.7	71.5
63	30.7	24.2	36.2

Manual Integrations APPROVED

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

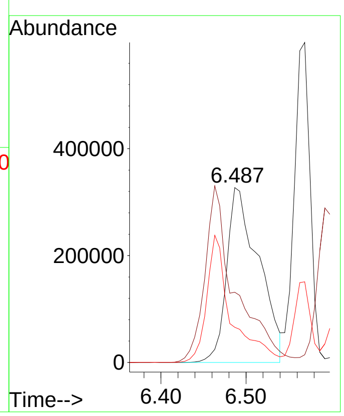




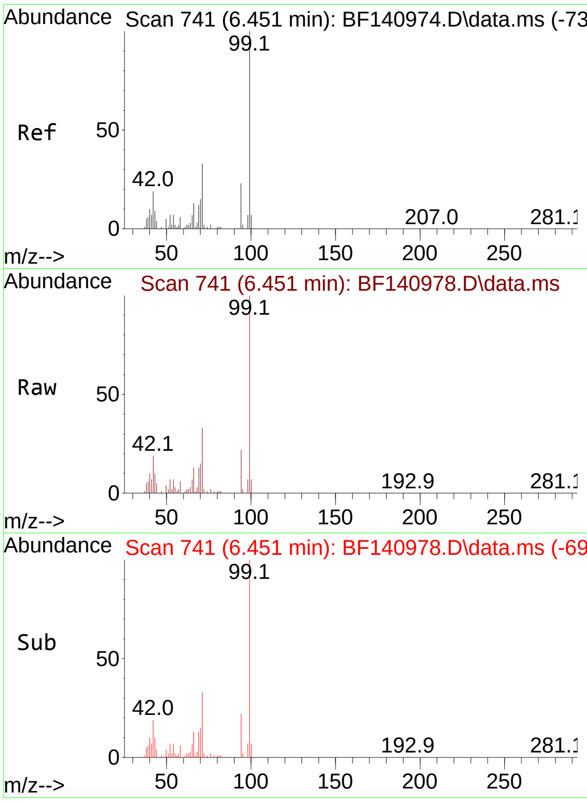
#6
Aniline
Concen: 40.214 ng
RT: 6.487 min Scan# 747
Delta R.T. -0.024 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion: 93 Resp: 854884

Ion	Ratio	Lower	Upper
93	100		
66	40.1	31.8	47.8
65	20.1	15.4	23.0



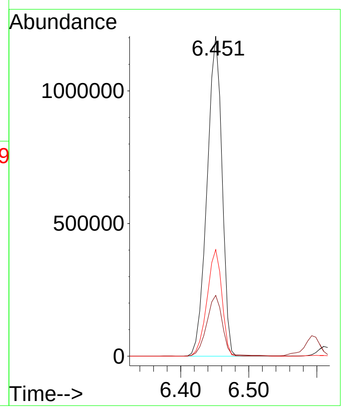
ICAL Form



#7
Phenol-d6
Concen: 77.619 ng
RT: 6.451 min   Scan# 7
Delta R.T.   0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024   19:52

Tgt Ion: 99 Resp: 185011

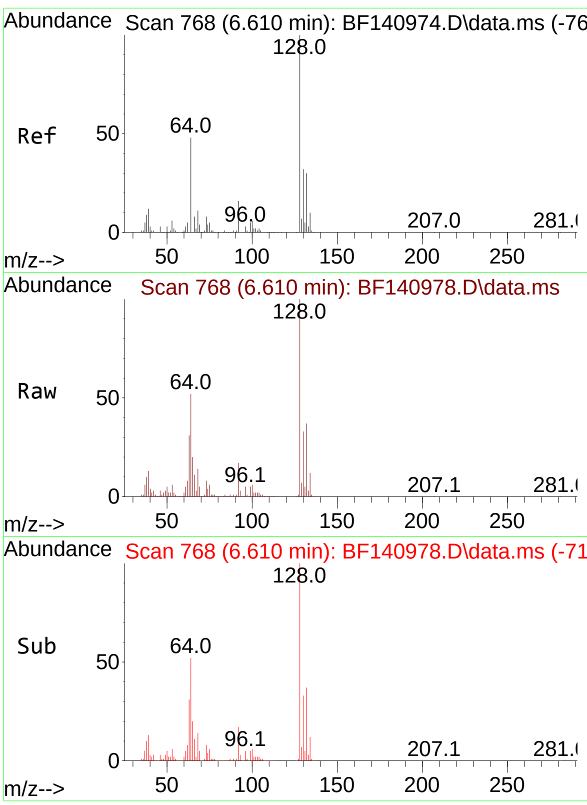
Ion	Ratio	Lower	Upper
99	100		
42	19.0	15.0	22.4
71	33.3	26.2	39.2



Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Manual Integrations APPROVED

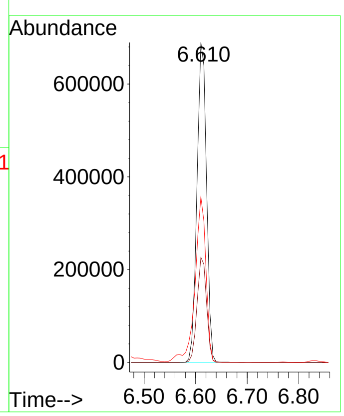
Reviewed By :Yogesh Patel   12/27/2024
Supervised By :mohammad ahmed   12/27/2024



#8
2-Chlorophenol
Concen: 45.402 ng
RT: 6.610 min   Scan# 768
Delta R.T.   0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024   19:52

Tgt Ion:128 Resp: 885691

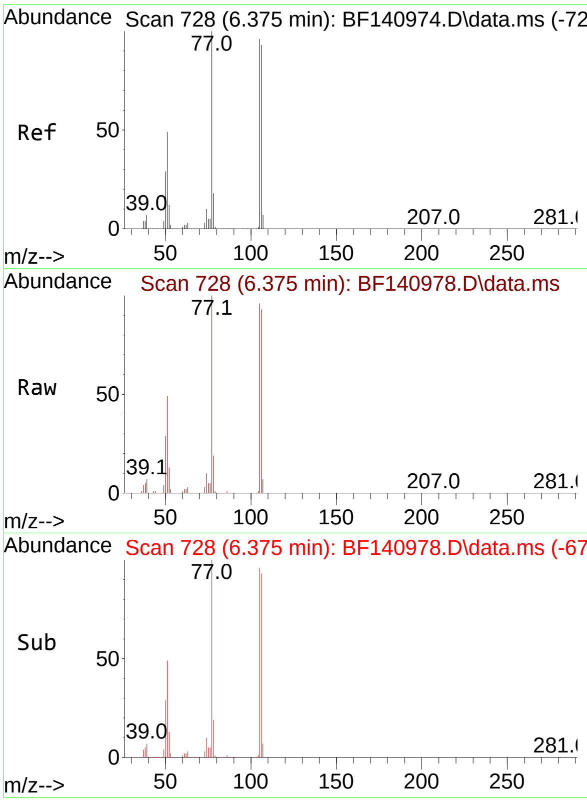
Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.2	52.2
64	51.7	30.3	70.3



Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Manual Integrations APPROVED

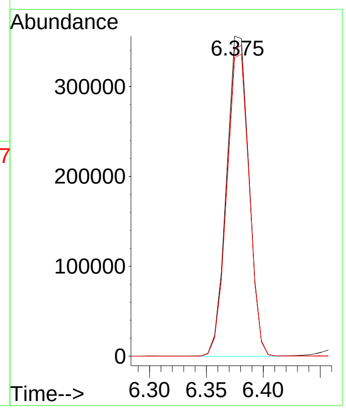
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

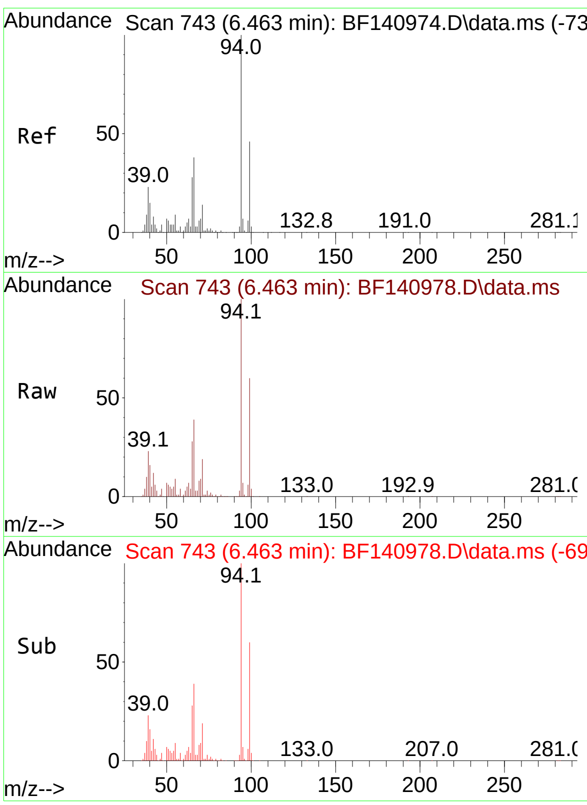


#9
Benzaldehyde
Concen: 42.275 ng
RT: 6.375 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion: 77 Resp: 48713

Ion	Ratio	Lower	Upper
77	100		
105	95.9	76.2	116.2
106	93.2	73.4	113.4

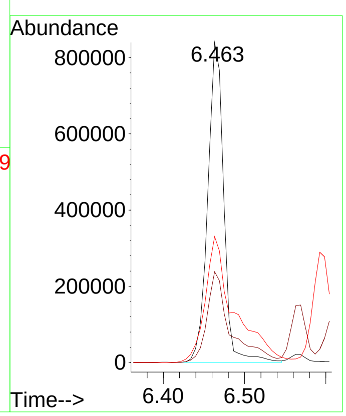




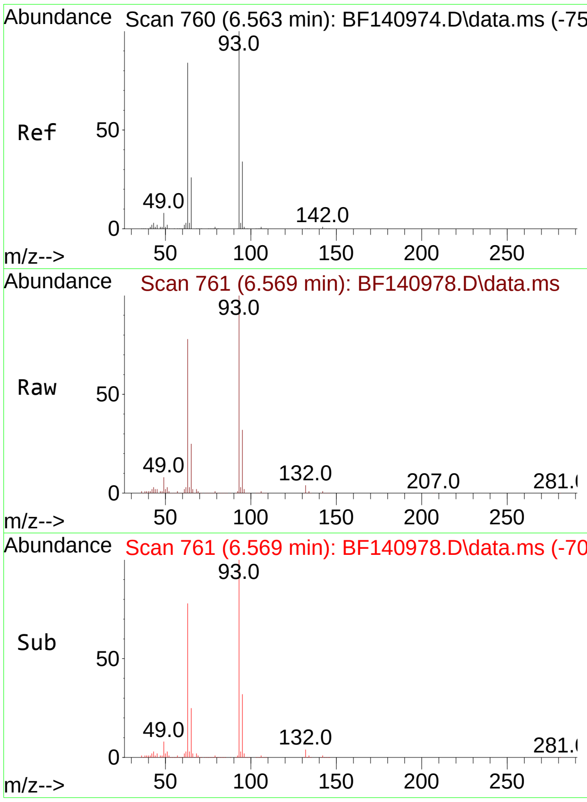
#10
Phenol
Concen: 46.698 ng
RT: 6.463 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion: 94 Resp: 1150959

Ion	Ratio	Lower	Upper
94	100		
65	28.3	8.1	48.1
66	39.4	18.7	58.7



ICAL Form



#11
bis(2-Chloroethyl)ether
Concen: 39.366 ng
RT: 6.569 min Scan# 7(
Delta R.T. 0.006 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

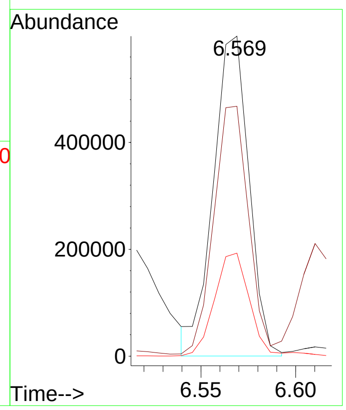
Tgt Ion: 93 Resp: 78340{

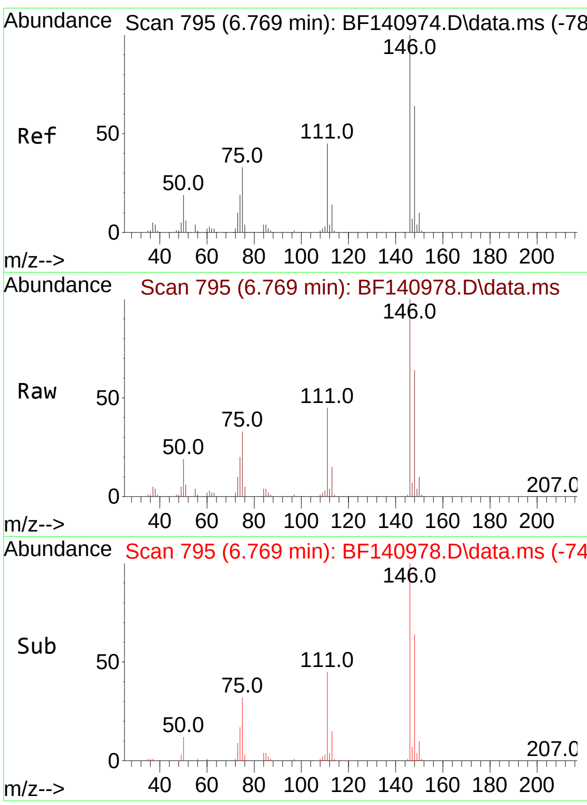
Ion	Ratio	Lower	Upper
93	100		
63	78.1	60.3	100.3
95	32.2	12.2	52.2

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Manual Integrations APPROVED

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

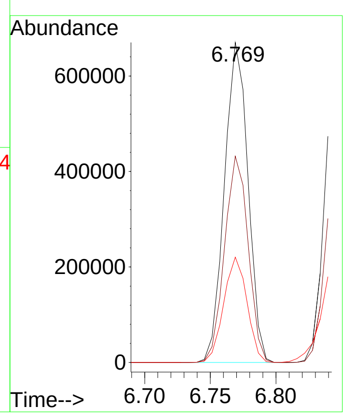




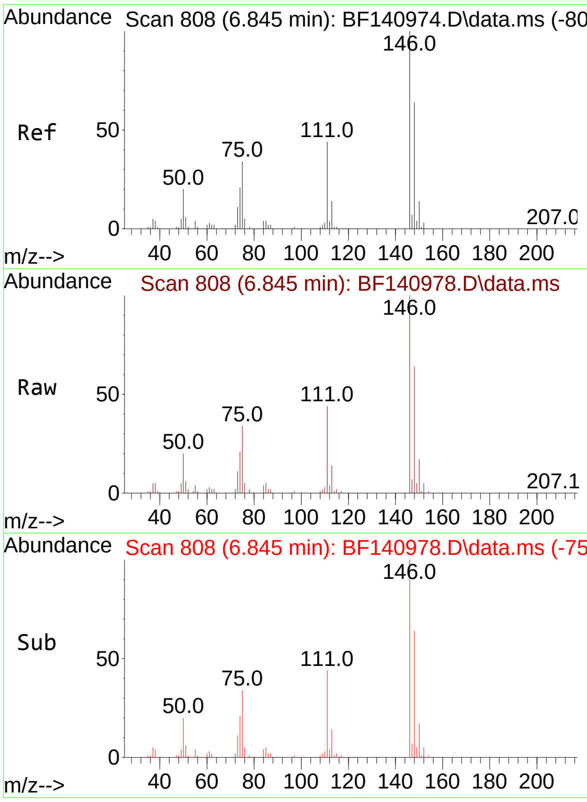
#12
1,3-Dichlorobenzene
Concen: 38.861 ng
RT: 6.769 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:146 Resp: 836638

Ion	Ratio	Lower	Upper
146	100		
148	64.4	51.0	76.4
75	32.9	26.1	39.1



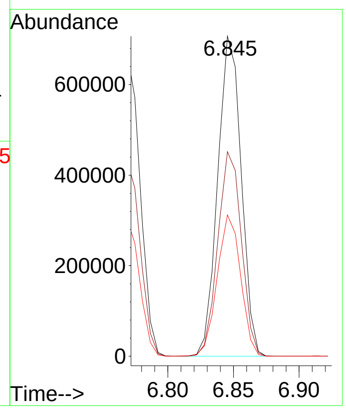
ICAL Form



#13
1,4-Dichlorobenzene
Concen: 40.612 ng
RT: 6.845 min   Scan# 8
Delta R.T.   0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024   19:52

Tgt Ion:146 Resp: 88141

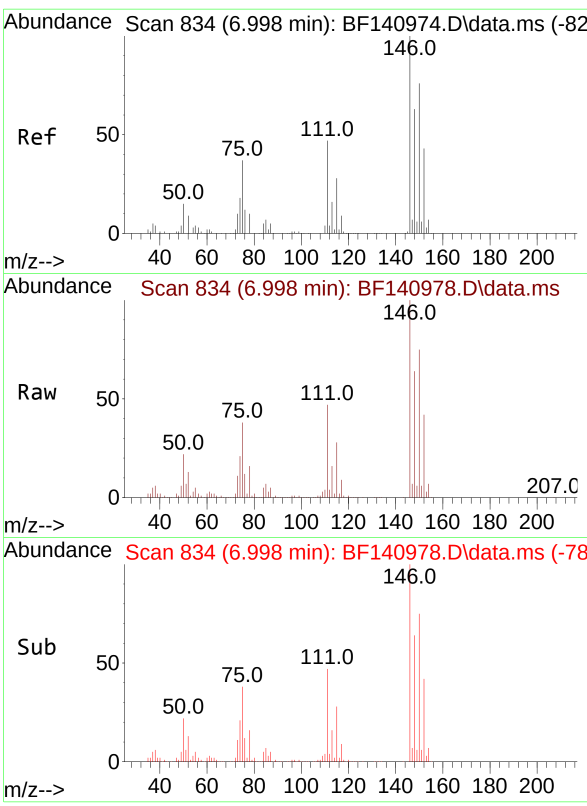
Ion	Ratio	Lower	Upper
146	100		
148	63.9	51.3	76.9
111	44.1	35.3	52.9



Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Manual Integrations APPROVED

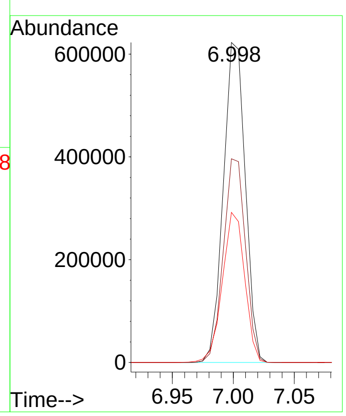
Reviewed By :Yogesh Patel   12/27/2024
Supervised By :mohammad ahmed   12/27/2024



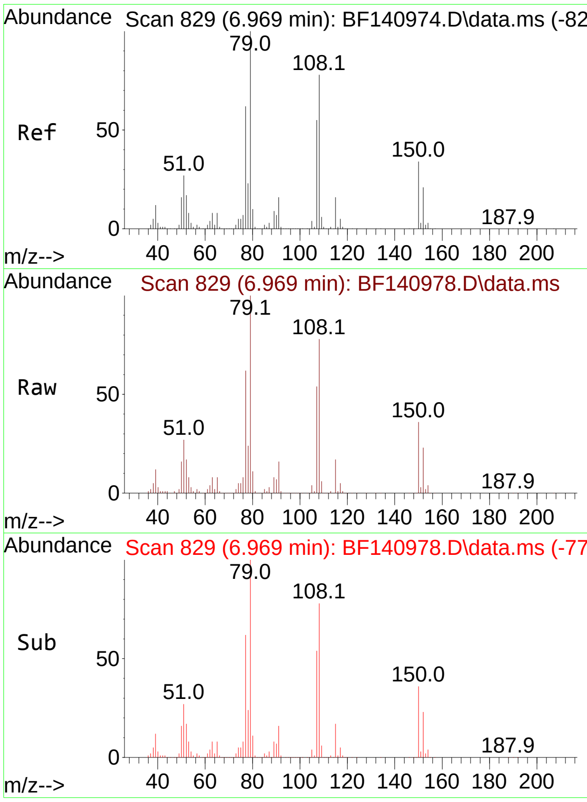
#14
1,2-Dichlorobenzene
Concen: 38.772 ng
RT: 6.998 min   Scan# 834
Delta R.T.   0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024   19:52

Tgt Ion:146 Resp: 784556

Ion	Ratio	Lower	Upper
146	100		
148	63.7	50.6	76.0
111	46.9	37.3	55.9



ICAL Form



#15
Benzyl Alcohol
Concen: 39.751 ng
RT: 6.969 min Scan# 82
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion: 79 Resp: 680874

Ion	Ratio	Lower	Upper
79	100		
108	77.9	62.5	93.7
77	62.0	49.3	73.9

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

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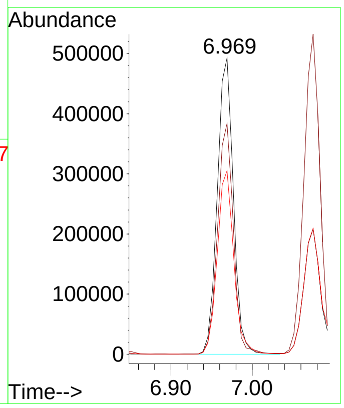
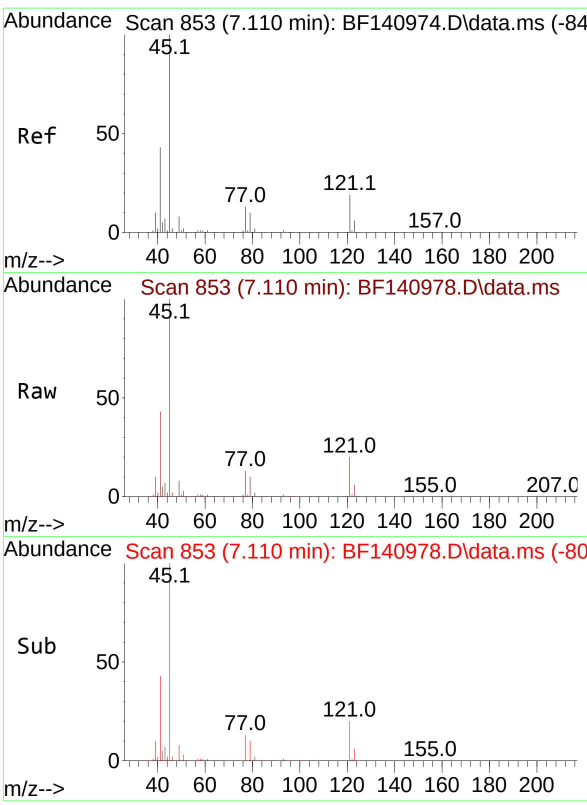
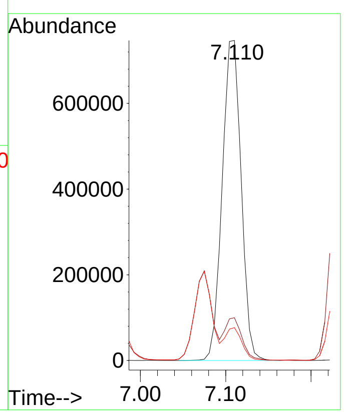




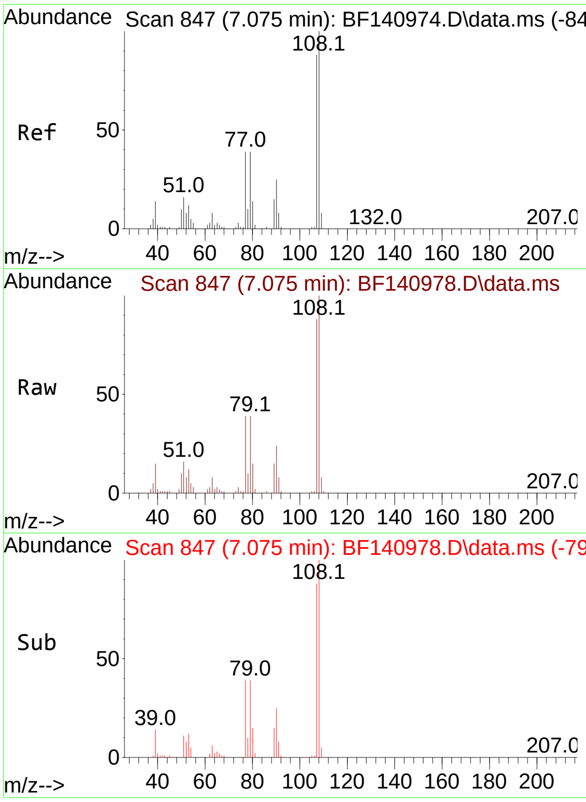
#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.326 ng
RT: 7.110 min Scan# 853
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion: 45 Resp: 1153471

Ion	Ratio	Lower	Upper
45	100		
77	13.4	0.0	33.1
79	10.3	0.0	30.1

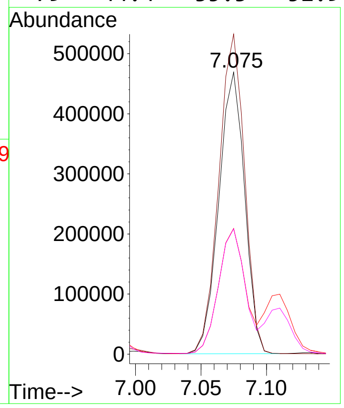


ICAL Form




```
#17
2-Methylphenol
Concen:   39.617 ng
RT:   7.075 min  Scan# 84
Delta R.T.  0.000 min
Lab File:   BF140978.D
Acq: 26 Dec 2024   19:52

Tgt Ion:107 Resp:  642058
Ion  Ratio  Lower  Upper
107  100
108  113.5   90.6  136.0
 77   44.6   35.3   52.9
 79   44.4   35.3   52.9
```



Instrument :
BNA_F
ClientSampleId :
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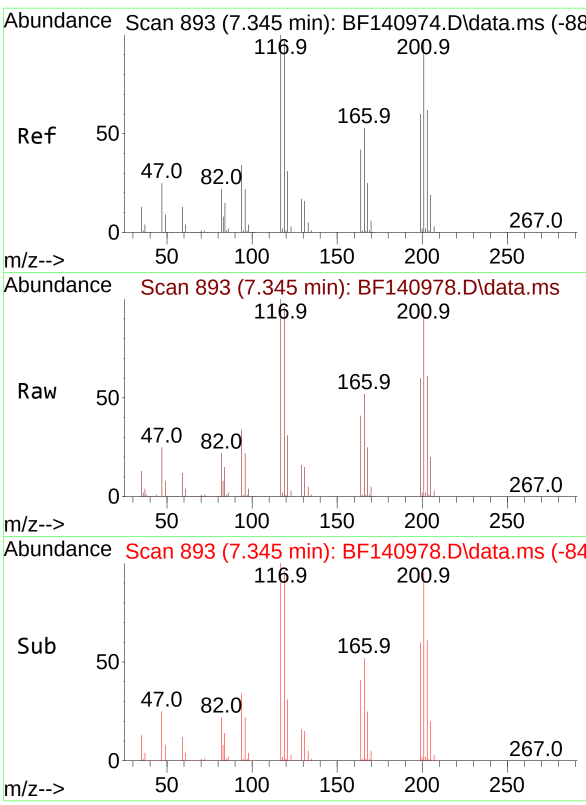
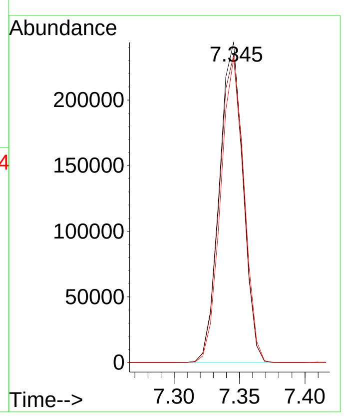



```
#18
Hexachloroethane
Concen:   40.027 ng
RT:   7.345 min  Scan# 893
Delta R.T.  0.000 min
Lab File:   BF140978.D
Acq: 26 Dec 2024   19:52

Tgt Ion:117 Resp:  308596
Ion  Ratio  Lower  Upper
117  100
119   96.0   77.5  116.3
201   95.1   77.4  116.2
```



ICAL Form

Instrument :
BNA_F
ClientSampleId :
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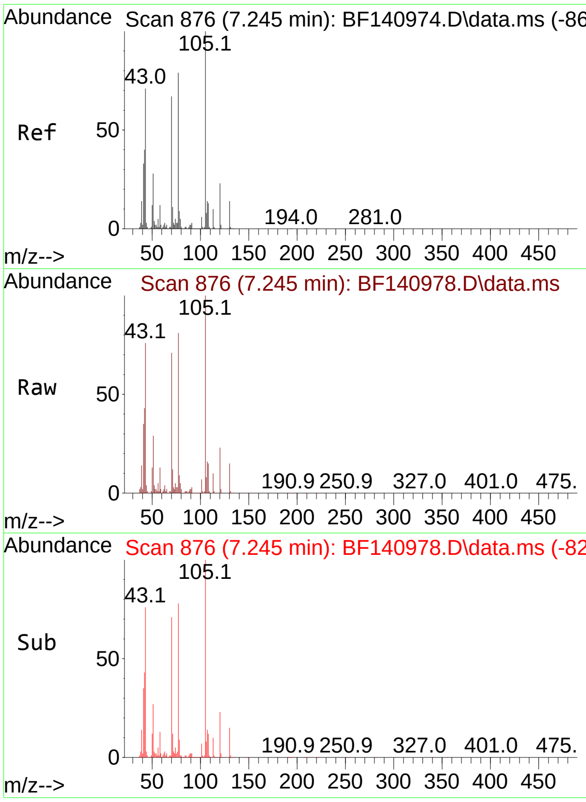
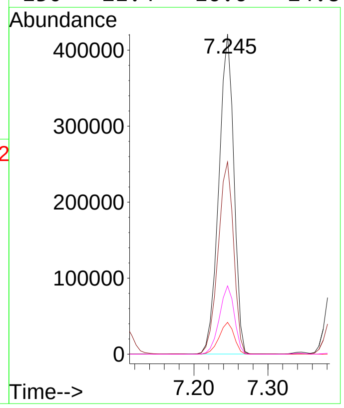
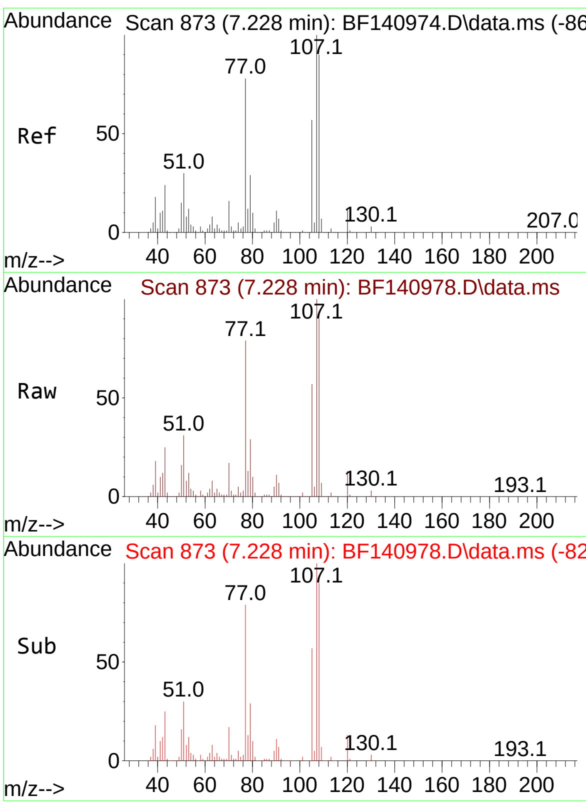


#19
n-Nitroso-di-n-propylamine
Concen: 40.828 ng
RT: 7.245 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion: 70 Resp: 59619

Ion	Ratio	Lower	Upper
70	100		
42	60.1	48.1	72.1
101	9.9	7.6	11.4
130	21.4	16.6	24.8

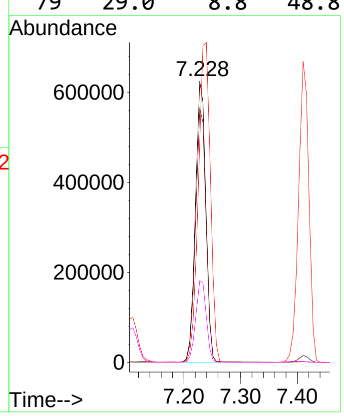




#20
3+4-Methylphenols
Concen: 39.323 ng
RT: 7.228 min Scan# 873
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:107 Resp: 806484

Ion	Ratio	Lower	Upper
107	100		
108	90.2	69.6	109.6
77	78.8	57.6	97.6
79	29.0	8.8	48.8



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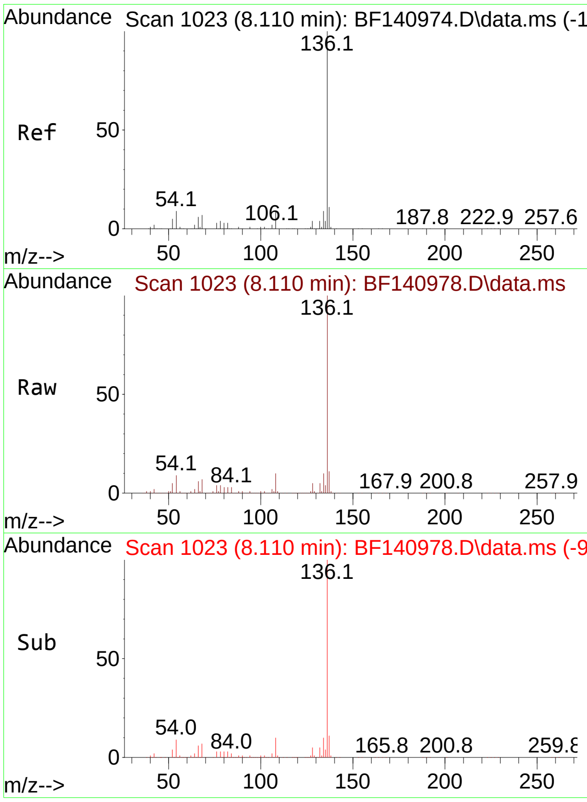

#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :
BNA_F
ClientSampleId :
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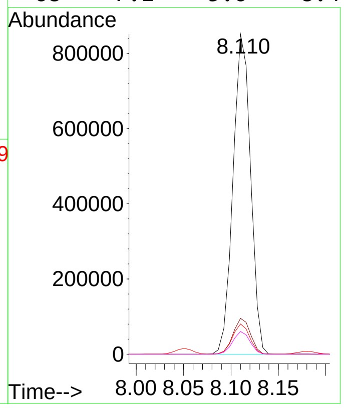
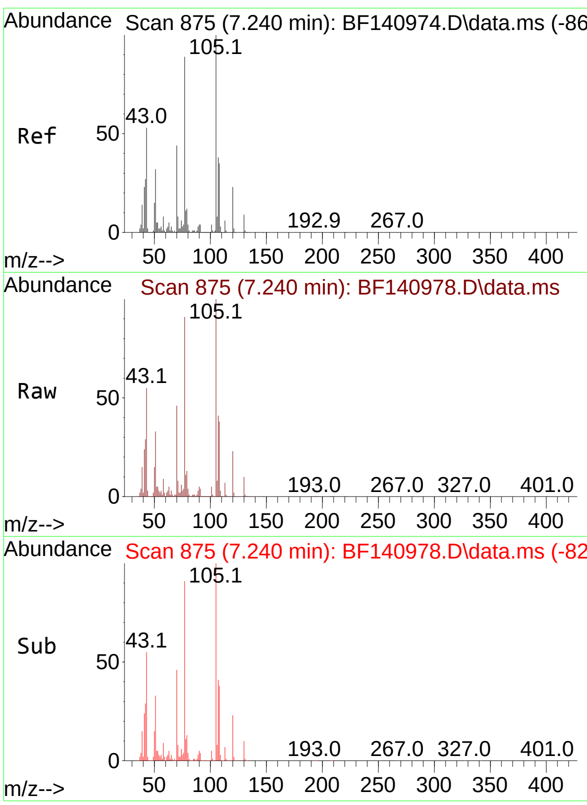
Tgt Ion:136 Resp: 109681(

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	9.5	7.6	11.4
68	7.1	5.6	8.4

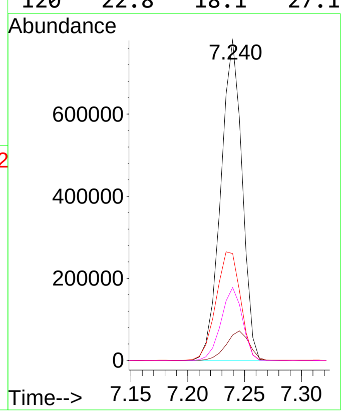




#22
Acetophenone
Concen: 37.920 ng
RT: 7.240 min Scan# 875
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:105 Resp: 1020280

Ion	Ratio	Lower	Upper
105	100		
71	7.9	6.1	9.1
51	33.4	25.8	38.6
120	22.8	18.1	27.1



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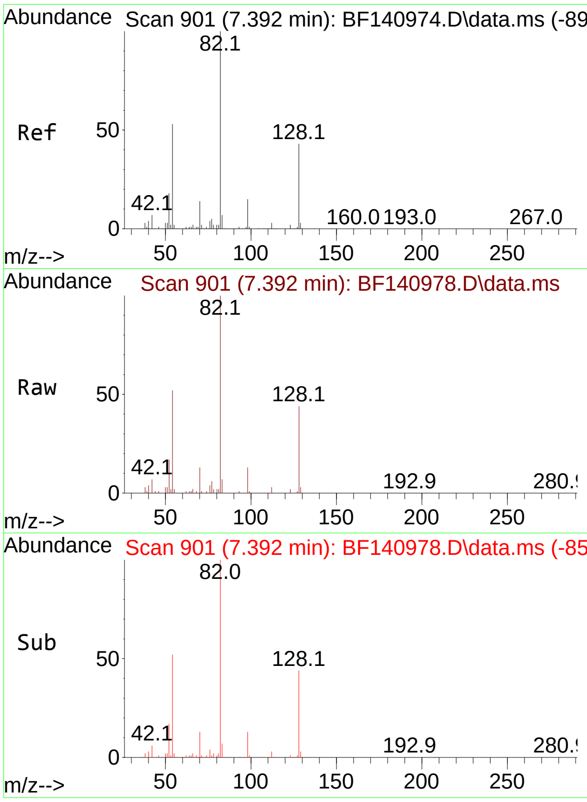

#23
Nitrobenzene-d5
Concen: 91.412 ng
RT: 7.392 min Scan# 90
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion: 82 Resp: 156713

Ion	Ratio	Lower	Upper
82	100		
128	43.6	34.4	51.6
54	52.0	42.4	63.6

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

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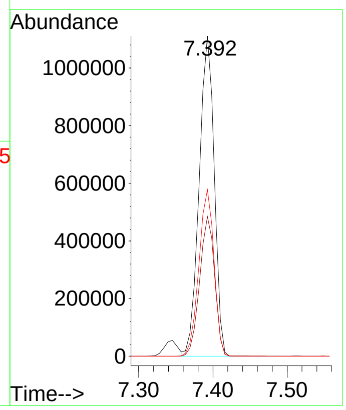
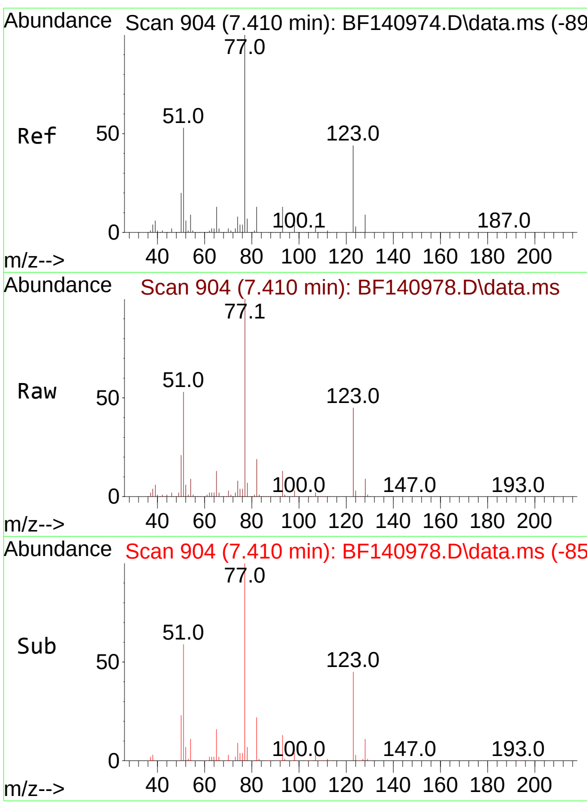
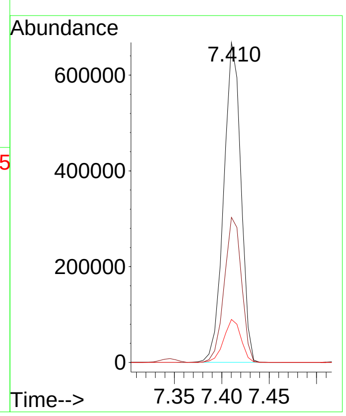




#24
Nitrobenzene
Concen: 44.060 ng
RT: 7.410 min Scan# 904
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion: 77 Resp: 844017

Ion	Ratio	Lower	Upper
77	100		
123	45.3	35.4	53.2
65	13.4	10.7	16.1



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Instrument :
BNA_F
ClientSampleId :
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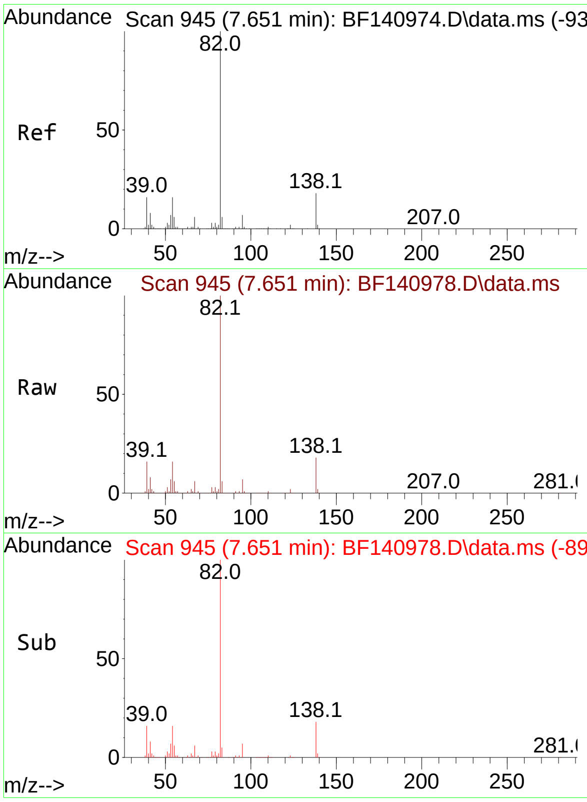
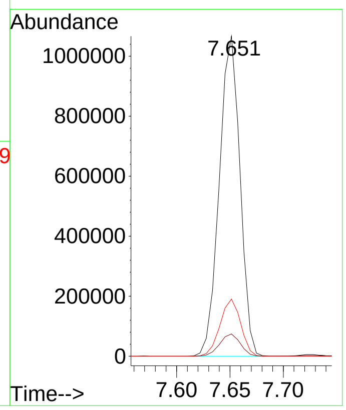
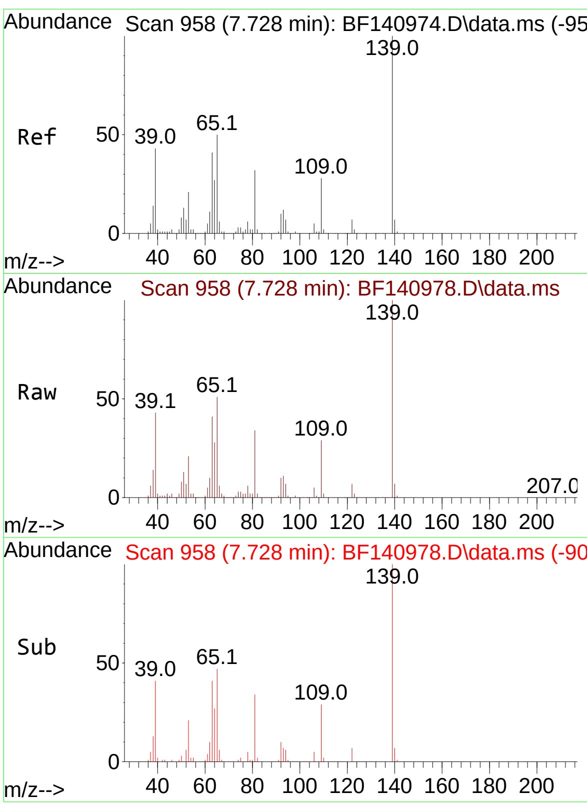


#25
Isophorone
Concen: 38.534 ng
RT: 7.651 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion: 82 Resp: 143753

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.6	8.4
138	17.8	14.6	21.8

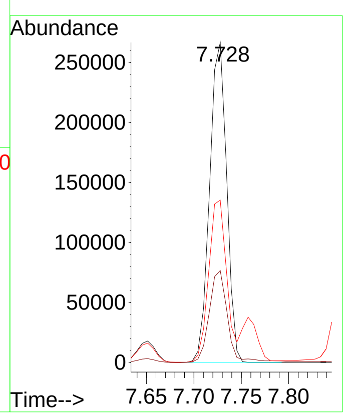




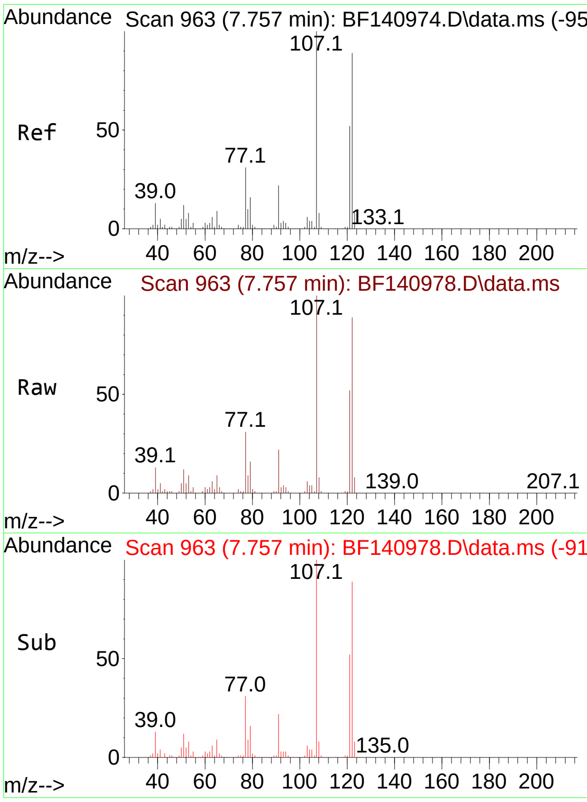
#26
2-Nitrophenol
Concen: 43.185 ng
RT: 7.728 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:139 Resp: 334326

Ion	Ratio	Lower	Upper
139	100		
109	28.8	22.2	33.4
65	50.7	40.2	60.4



ICAL Form



#27
2,4-Dimethylphenol
Concen: 39.926 ng
RT: 7.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

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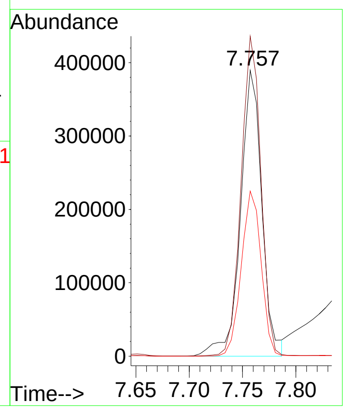
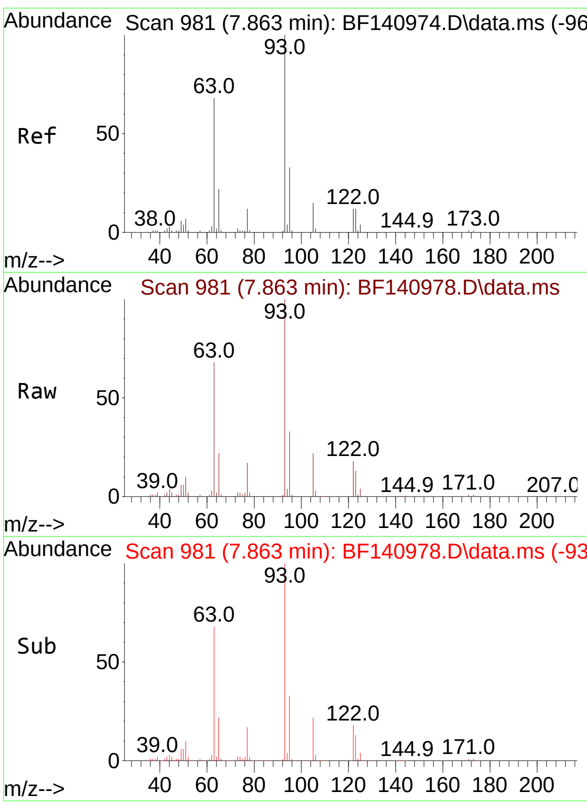
Tgt Ion:122 Resp: 54435

Ion	Ratio	Lower	Upper
122	100		
107	111.9	89.4	134.2
121	57.8	46.7	70.1

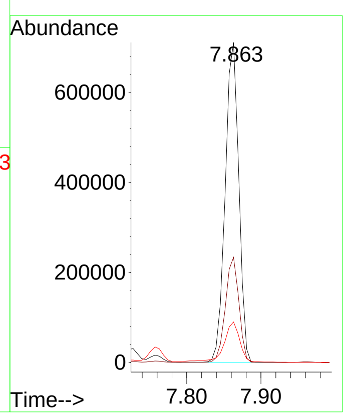




#28
bis(2-Chloroethoxy)methane
Concen: 38.323 ng
RT: 7.863 min Scan# 981
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion: 93 Resp: 905816

Ion	Ratio	Lower	Upper
93	100		
95	32.8	26.2	39.4
123	12.6	9.9	14.9



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Instrument :
BNA_F
ClientSampleId :
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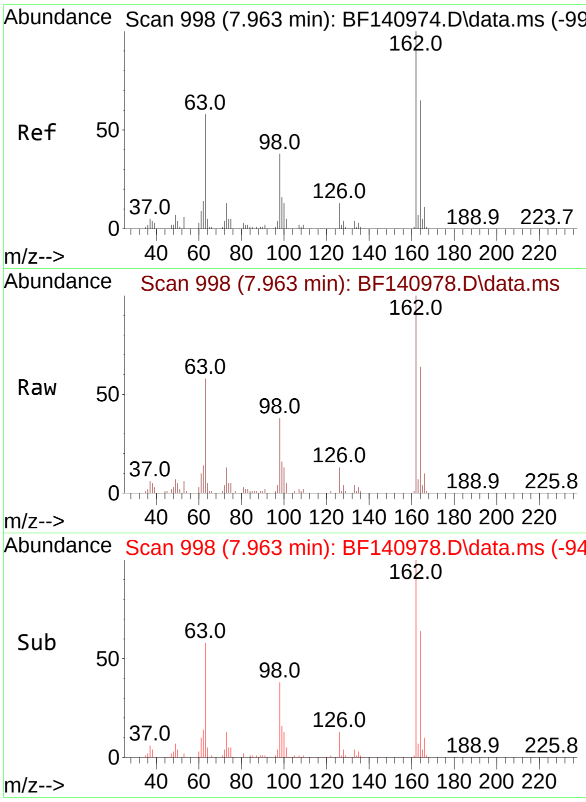
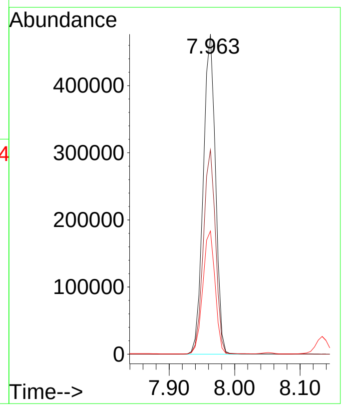
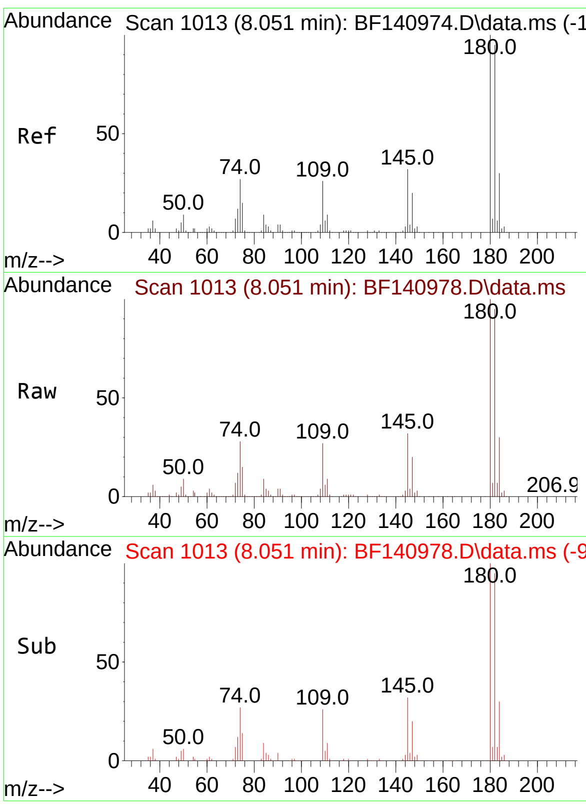


#29
2,4-Dichlorophenol
Concen: 40.280 ng
RT: 7.963 min Scan# 99
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:162 Resp: 62284

Ion	Ratio	Lower	Upper
162	100		
164	63.8	44.8	84.8
98	38.5	18.6	58.6

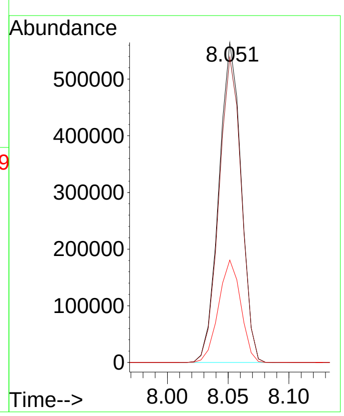




#30
1,2,4-Trichlorobenzene
Concen: 41.204 ng
RT: 8.051 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:180 Resp: 721146

Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.2	114.4
145	32.0	25.4	38.2



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Instrument :
BNA_F
ClientSampleId :
ICVBF122624

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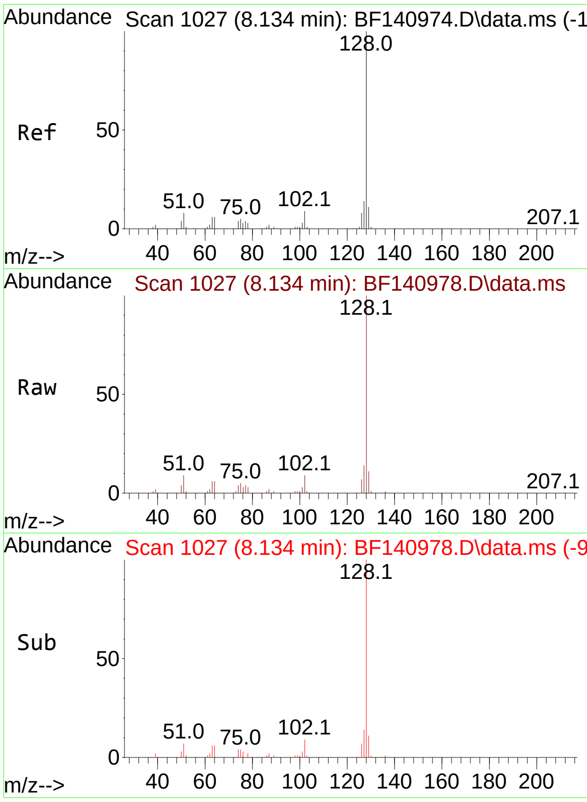
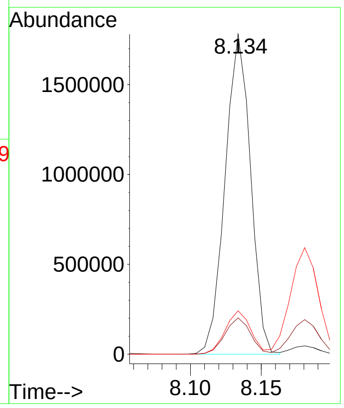
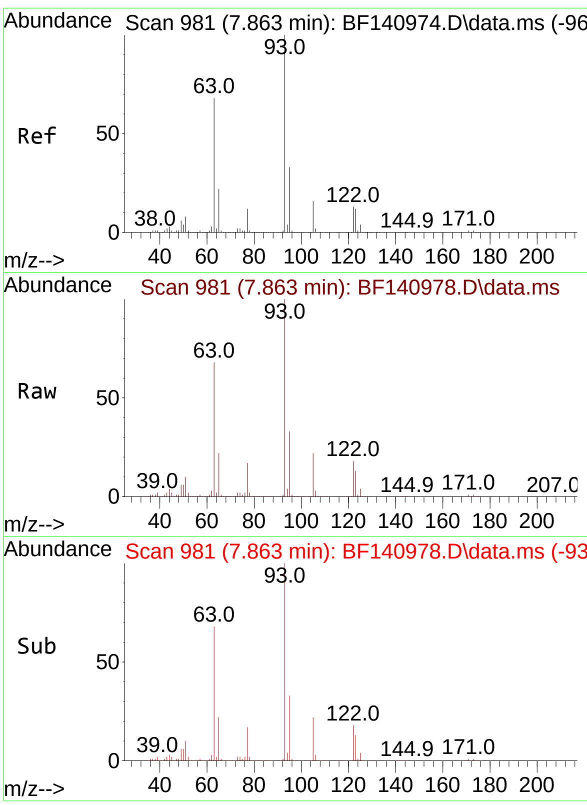


#31
Naphthalene
Concen: 38.493 ng
RT: 8.134 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:128 Resp: 222474

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.2	13.8
127	13.6	11.0	16.4

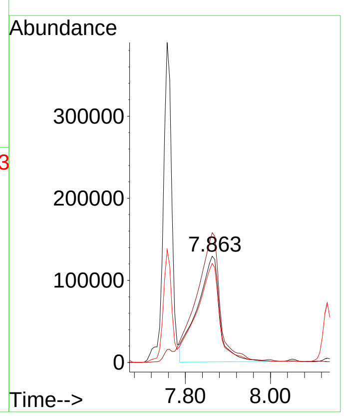


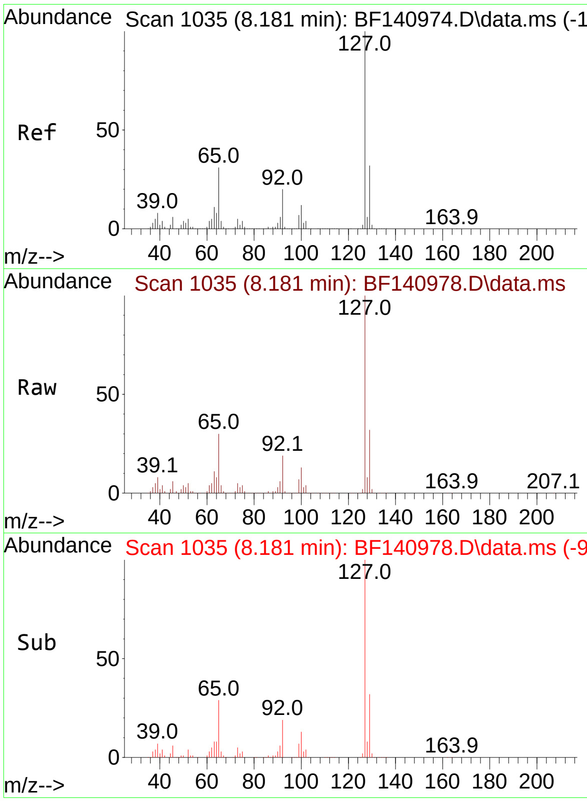


#32
Benzoic acid
Concen: 43.158 ng
RT: 7.863 min Scan# 981
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:122 Resp: 473862

Ion	Ratio	Lower	Upper
122	100		
105	122.1	105.4	145.4
77	93.2	76.4	116.4





#33
4-Chloroaniline
Concen: 39.203 ng
RT: 8.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Tgt Ion:127 Resp: 81967

Ion	Ratio	Lower	Upper
127	100		
129	32.4	26.1	39.1
65	30.2	24.6	37.0
92	19.4	15.8	23.6

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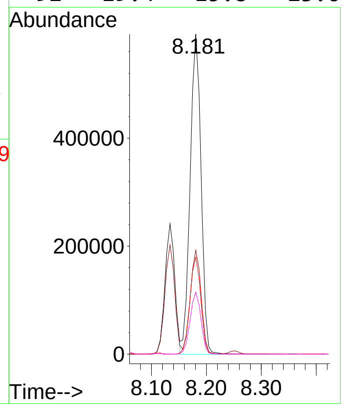
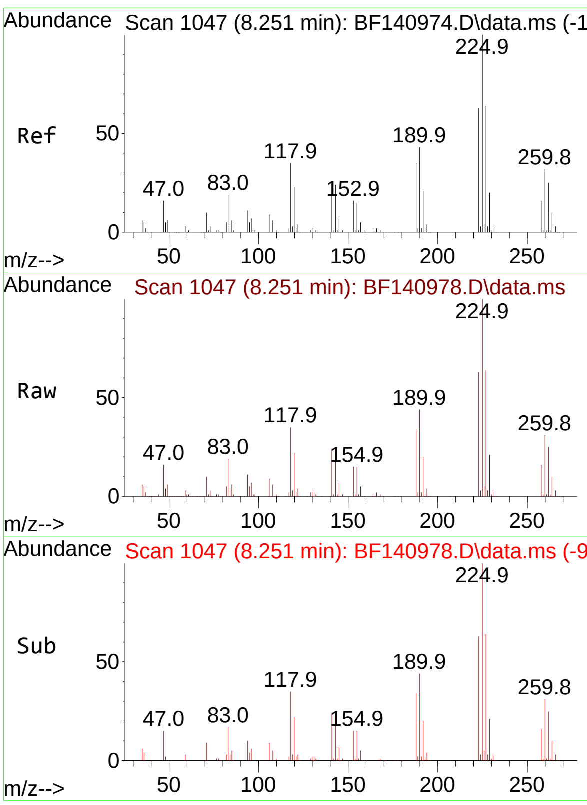
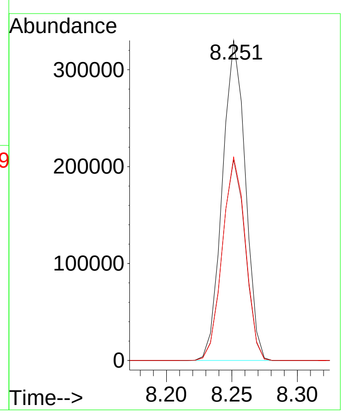




#34
Hexachlorobutadiene
Concen: 39.095 ng
RT: 8.251 min Scan# 1047
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:225 Resp: 403377

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.3	75.5
227	63.6	50.8	76.2



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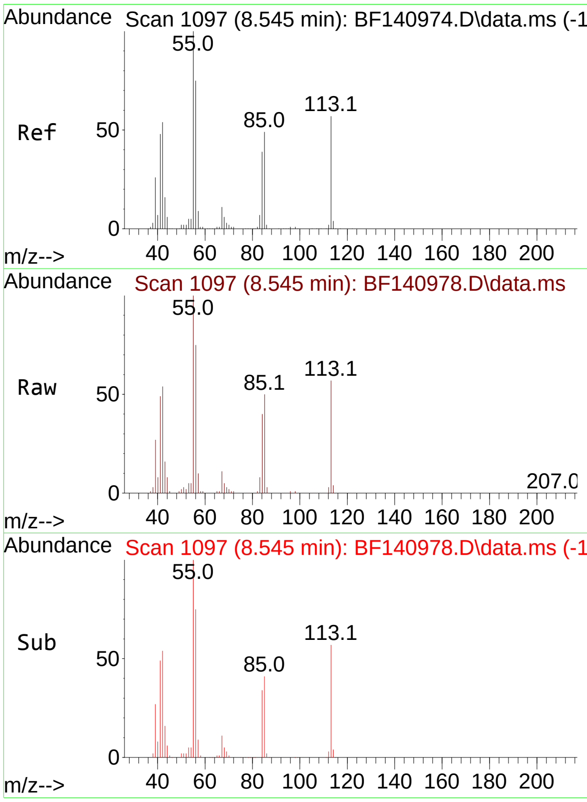

#35
Caprolactam
Concen: 40.139 ng m
RT: 8.545 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:113 Resp: 21100

Ion	Ratio	Lower	Upper
113	100		
55	175.7	156.6	196.6
56	131.1	111.7	151.7

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

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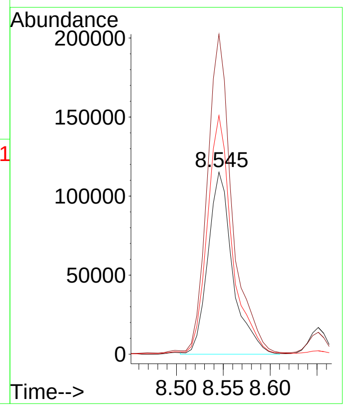
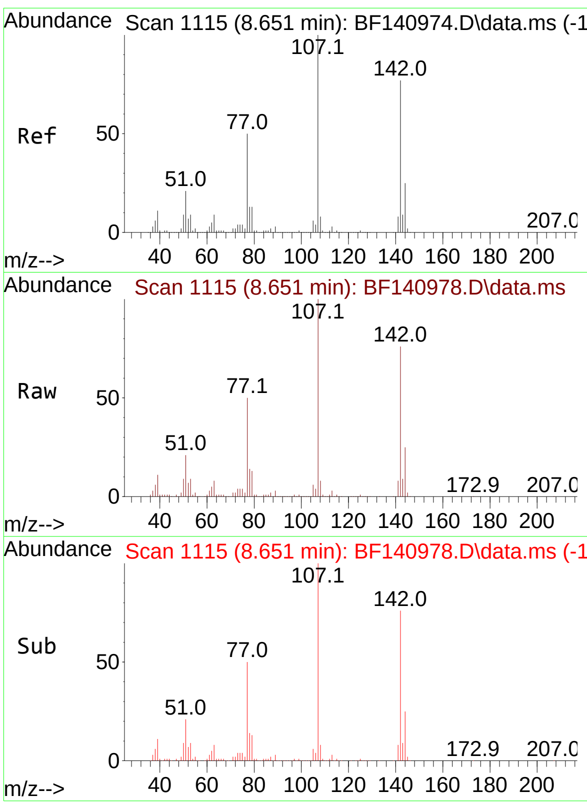
Supervised By :mohammad ahmed 12/27/2024

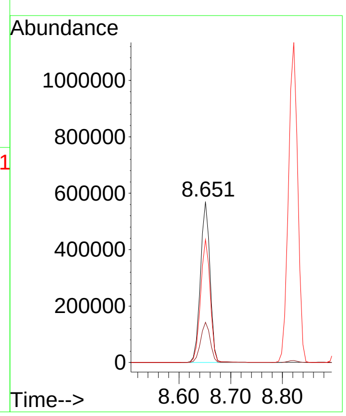


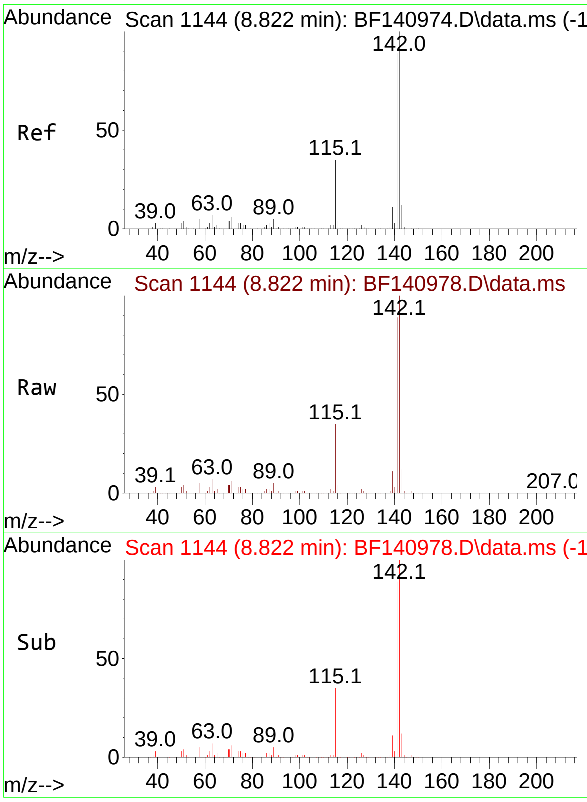


#36
4-Chloro-3-methylphenol
Concen: 42.714 ng
RT: 8.651 min Scan# 1115
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:107 Resp: 733502

Ion	Ratio	Lower	Upper
107	100		
144	25.0	19.9	29.9
142	76.4	61.8	92.8





#37
2-Methylnaphthalene
Concen: 38.340 ng
RT: 8.822 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Tgt Ion:142 Resp: 141757

Ion	Ratio	Lower	Upper
142	100		
141	88.5	71.1	106.7

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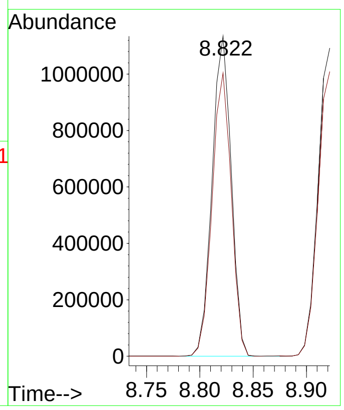
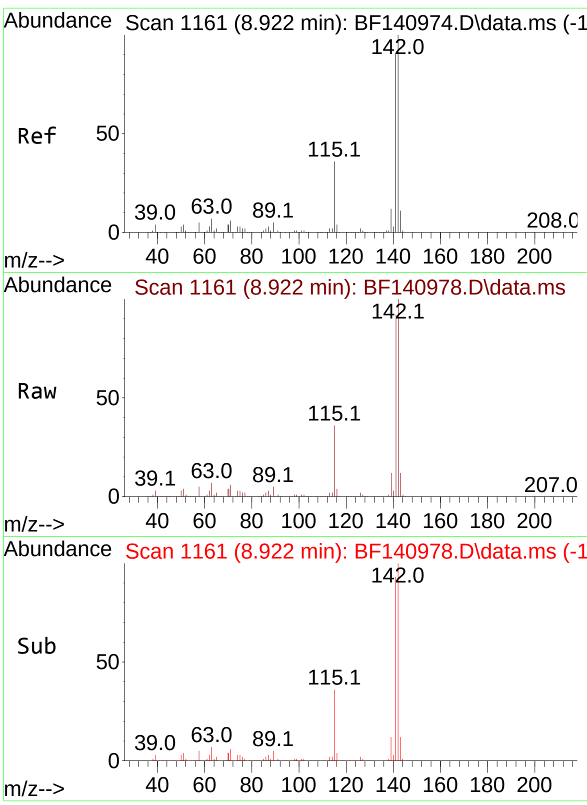
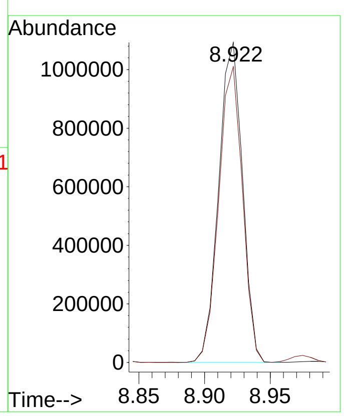


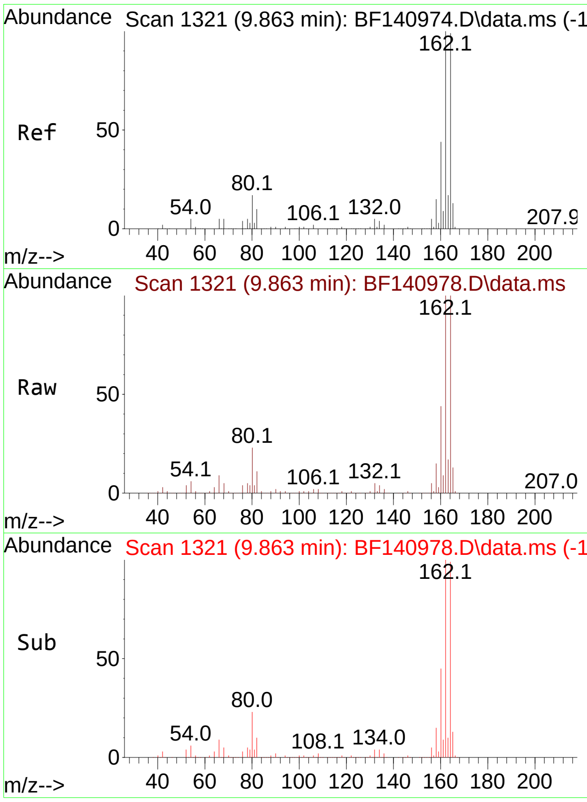


#38
1-Methylnaphthalene
Concen: 37.974 ng
RT: 8.922 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:142 Resp: 1379859

Ion	Ratio	Lower	Upper
142	100		
141	92.4	72.7	109.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min   Scan# 1
Delta R.T.   0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024   19:52

Tgt Ion:164 Resp: 58666

Ion	Ratio	Lower	Upper
164	100		
162	99.9	80.6	120.8
160	44.5	35.7	53.5

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

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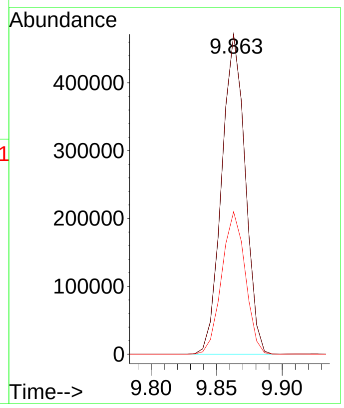
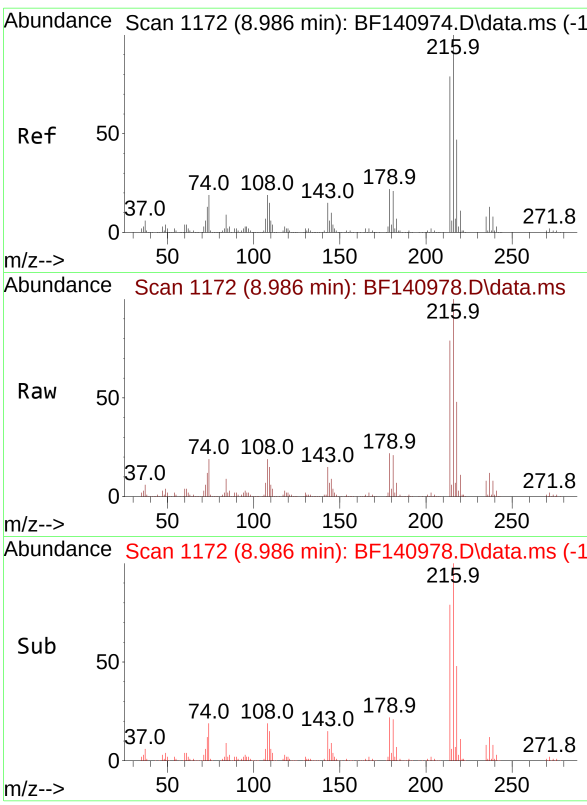
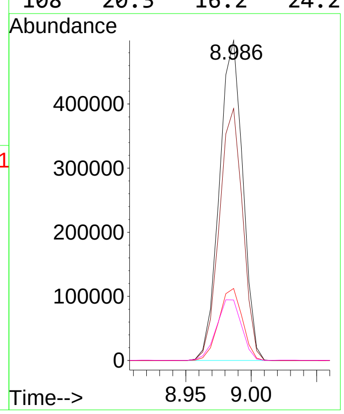




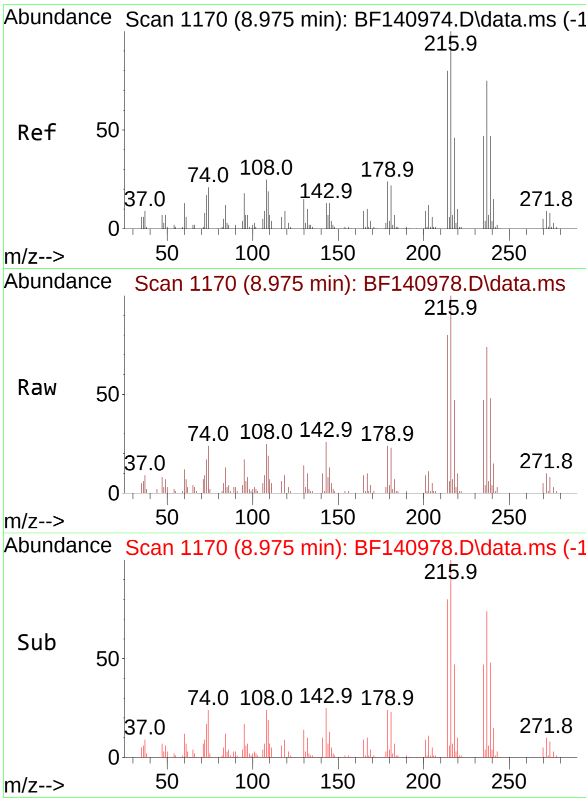
#40
1,2,4,5-Tetrachlorobenzene
Concen: 38.527 ng
RT: 8.986 min   Scan# 1172
Delta R.T.   0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024   19:52

Tgt Ion:216 Resp: 621819

Ion	Ratio	Lower	Upper
216	100		
214	78.9	63.0	94.6
179	22.7	17.9	26.9
108	20.3	16.2	24.2



ICAL Form



#41
Hexachlorocyclopentadiene
Concen: 40.560 ng
RT: 8.975 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Tgt Ion:237 Resp: 21693

Ion	Ratio	Lower	Upper
237	100		
235	63.3	43.4	83.4
272	12.9	0.0	32.6

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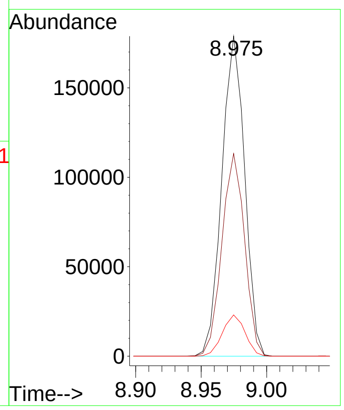
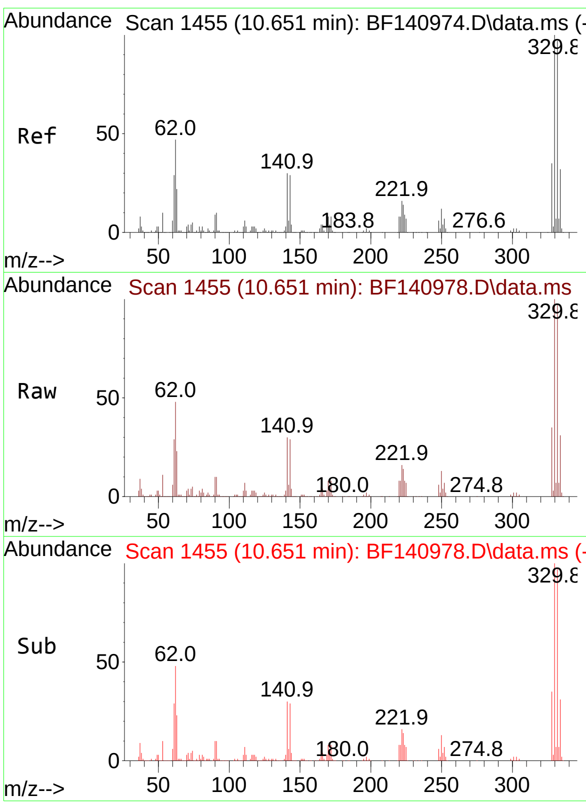
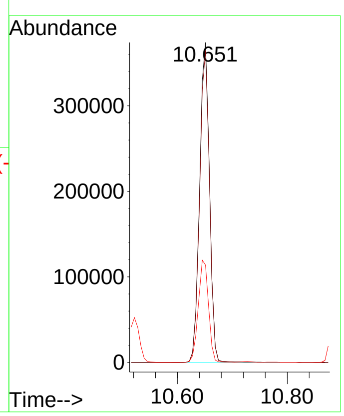




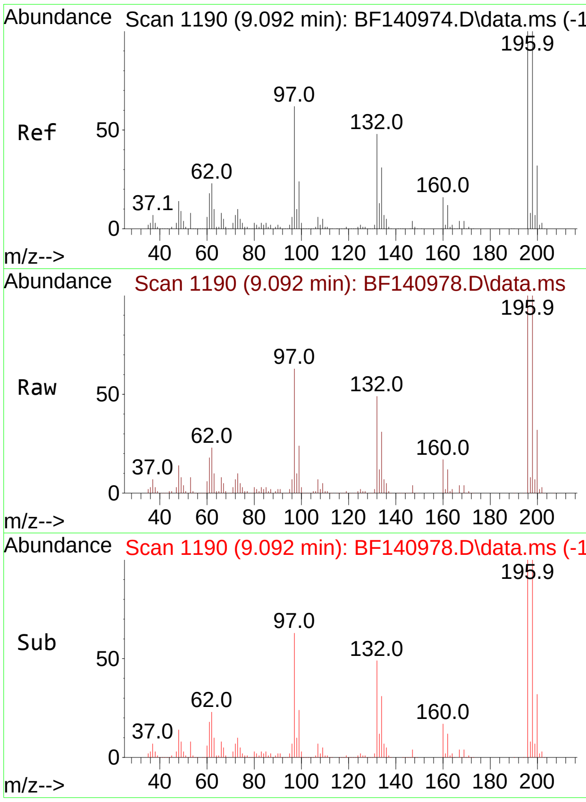
#42
2,4,6-Tribromophenol
Concen: 82.713 ng
RT: 10.651 min Scan# 1455
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:330 Resp: 471519

Ion	Ratio	Lower	Upper
330	100		
332	97.1	78.0	117.0
141	33.0	26.4	39.6



ICAL Form



#43
2,4,6-Trichlorophenol
Concen: 40.180 ng
RT: 9.092 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Tgt Ion:196 Resp: 43160

Ion	Ratio	Lower	Upper
196	100		
198	100.2	80.2	120.4
200	32.2	25.8	38.6

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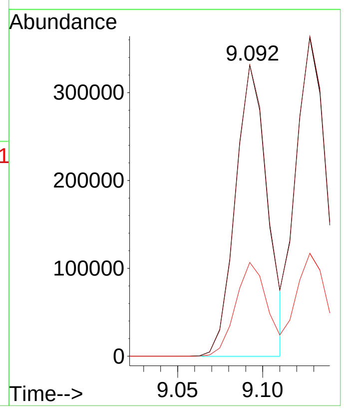
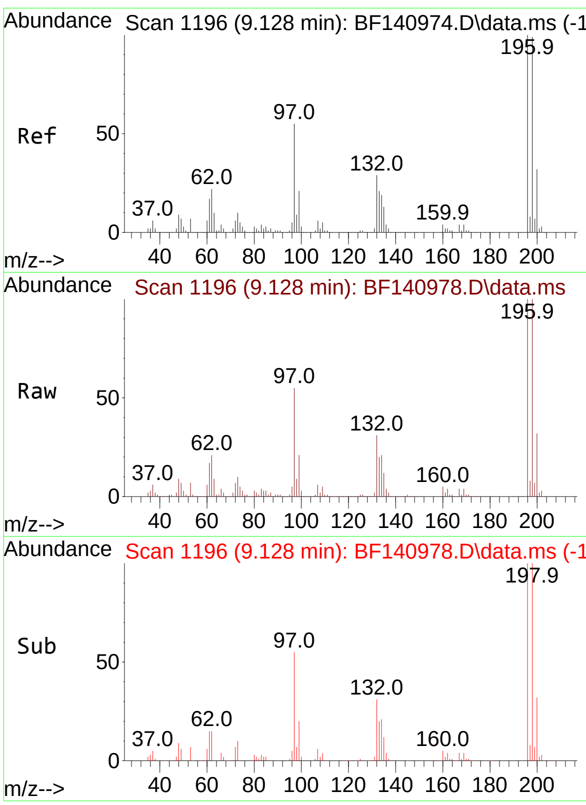
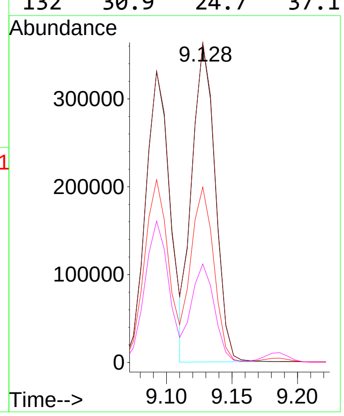




#44
2,4,5-Trichlorophenol
Concen: 40.663 ng
RT: 9.128 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:196 Resp: 446928

Ion	Ratio	Lower	Upper
196	100		
198	100.5	79.9	119.9
97	55.1	44.3	66.5
132	30.9	24.7	37.1



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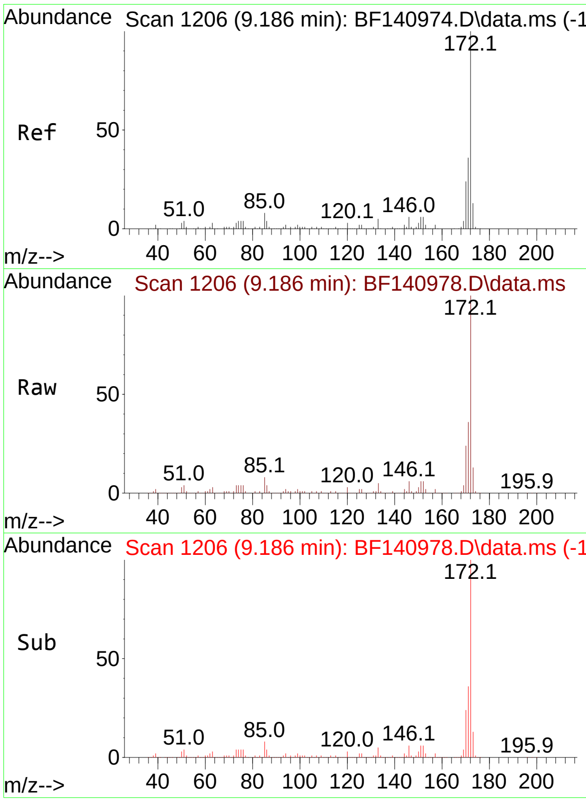

#45
2-Fluorobiphenyl
Concen: 74.821 ng
RT: 9.186 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:172 Resp: 275505

Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.0	43.4
170	24.4	19.6	29.4

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

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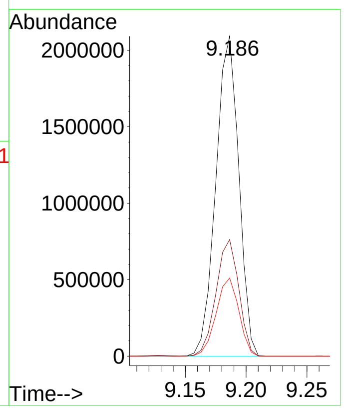
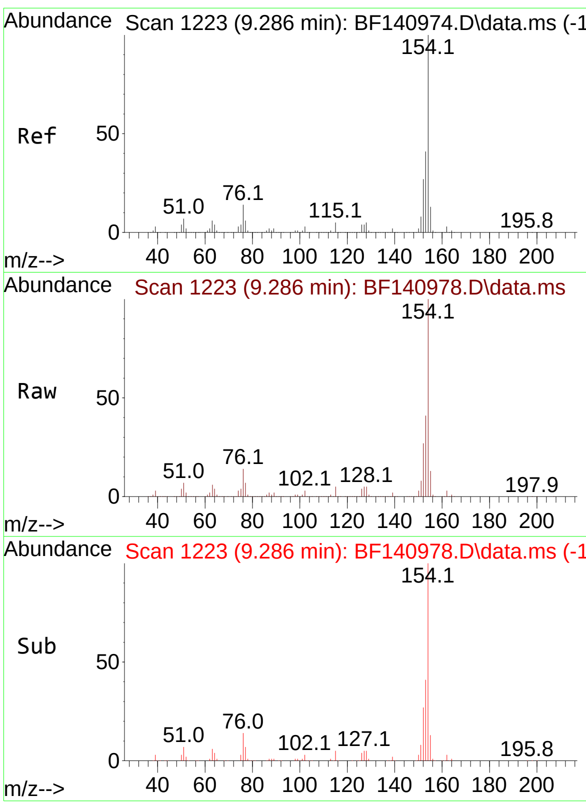
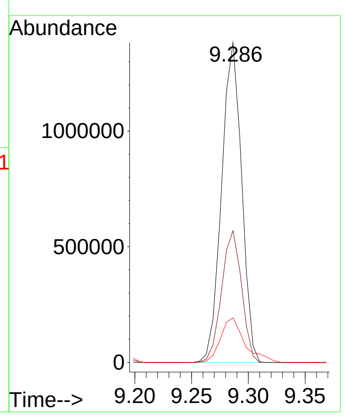


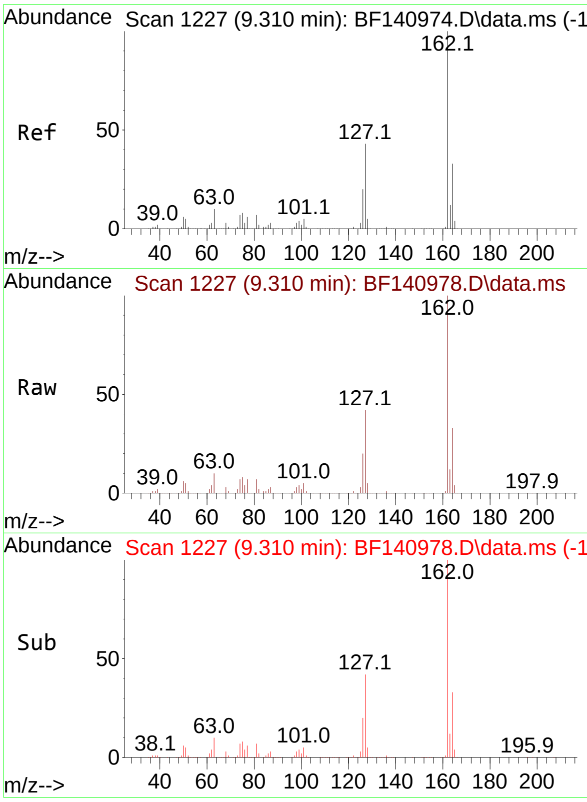


#46
1,1'-Biphenyl
Concen: 37.916 ng
RT: 9.286 min Scan# 1223
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:154 Resp: 1703208

Ion	Ratio	Lower	Upper
154	100		
153	41.2	20.9	60.9
76	14.0	0.0	34.0





#47
2-Chloronaphthalene
Concen: 38.442 ng
RT: 9.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:162 Resp: 133928

Ion	Ratio	Lower	Upper
162	100		
127	42.4	34.2	51.4
164	33.2	26.6	40.0

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

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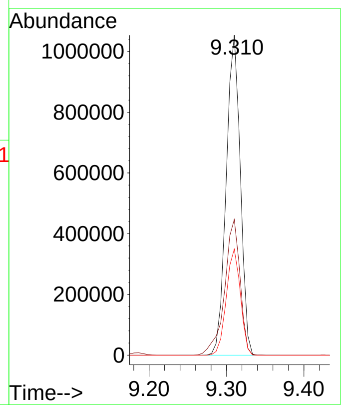
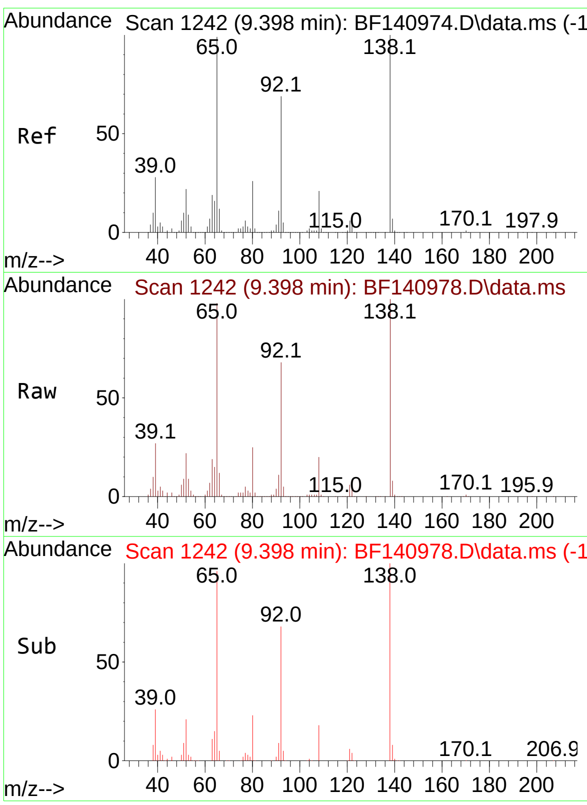
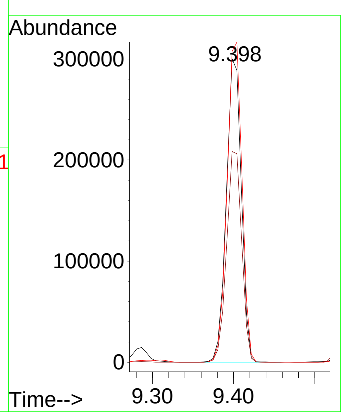


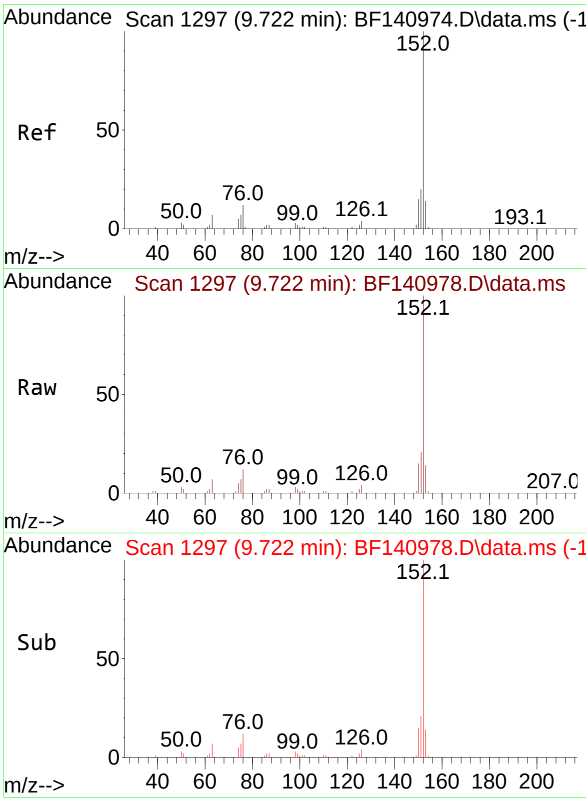


#48
2-Nitroaniline
Concen: 43.198 ng
RT: 9.398 min Scan# 1242
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion: 65 Resp: 389029

Ion	Ratio	Lower	Upper
65	100		
92	69.5	55.6	83.4
138	102.5	80.5	120.7





#49
Acenaphthylene
Concen: 38.272 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Tgt Ion:152 Resp: 191943

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.2	24.4
153	14.4	11.4	17.0

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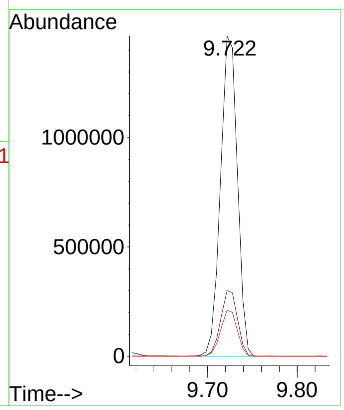
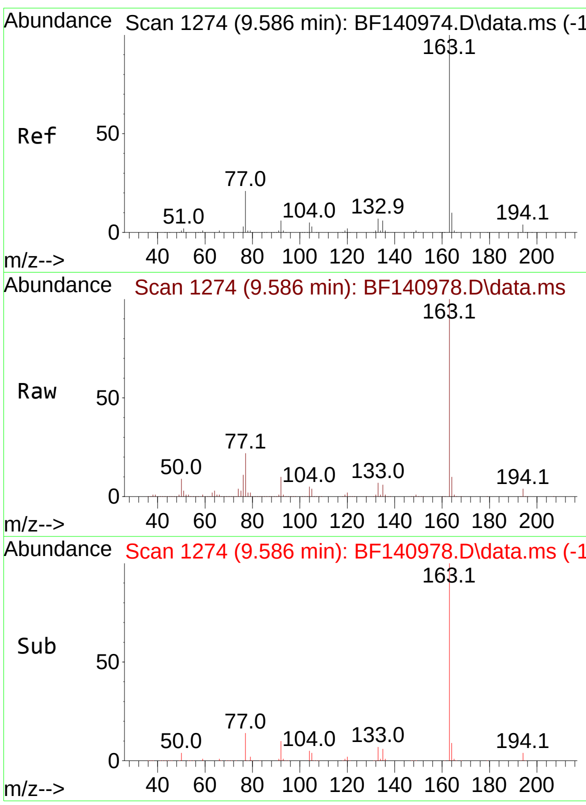
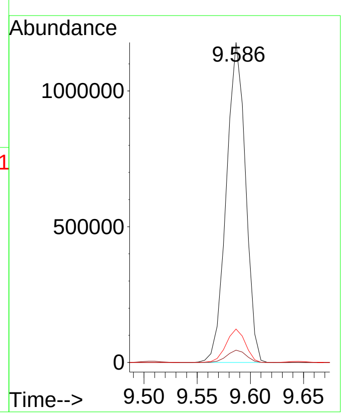




#50
Dimethylphthalate
Concen: 38.422 ng
RT: 9.586 min Scan# 1274
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:163 Resp: 1482676

Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.1	4.7
164	10.4	8.3	12.5



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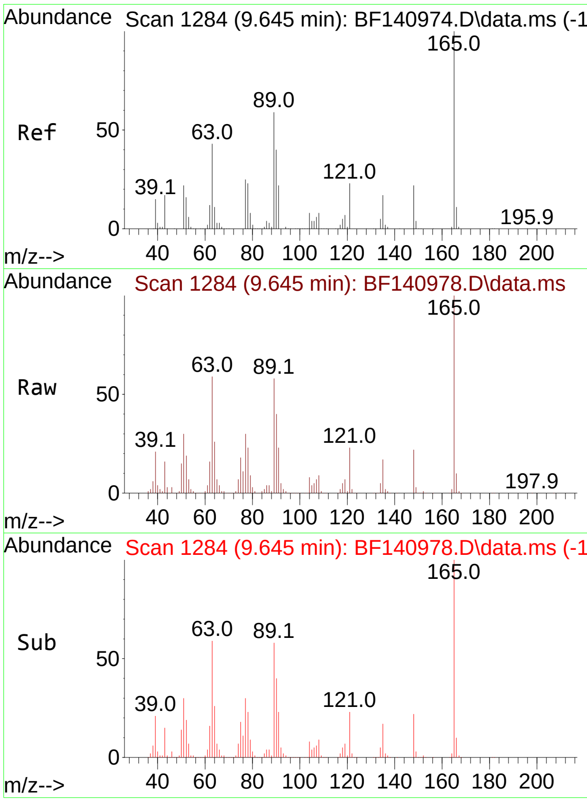

#51
2,6-Dinitrotoluene
Concen: 42.386 ng
RT: 9.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:165 Resp: 32992

Ion	Ratio	Lower	Upper
165	100		
63	58.9	47.1	70.7
89	57.9	47.0	70.4

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

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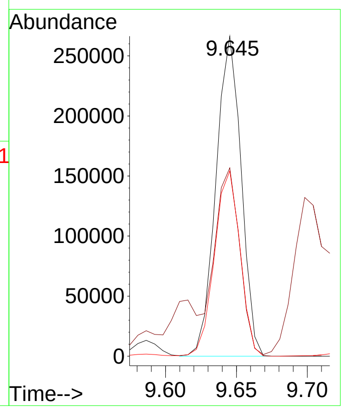
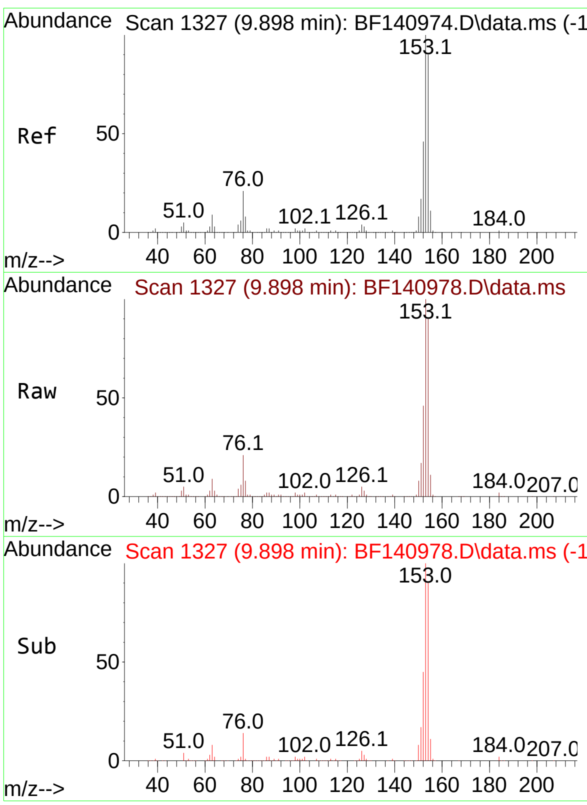
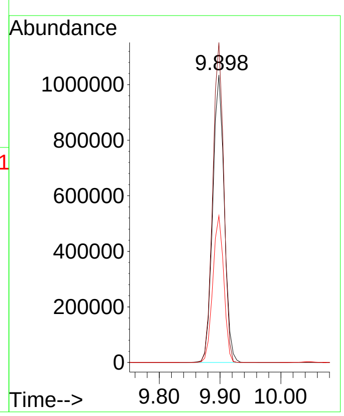


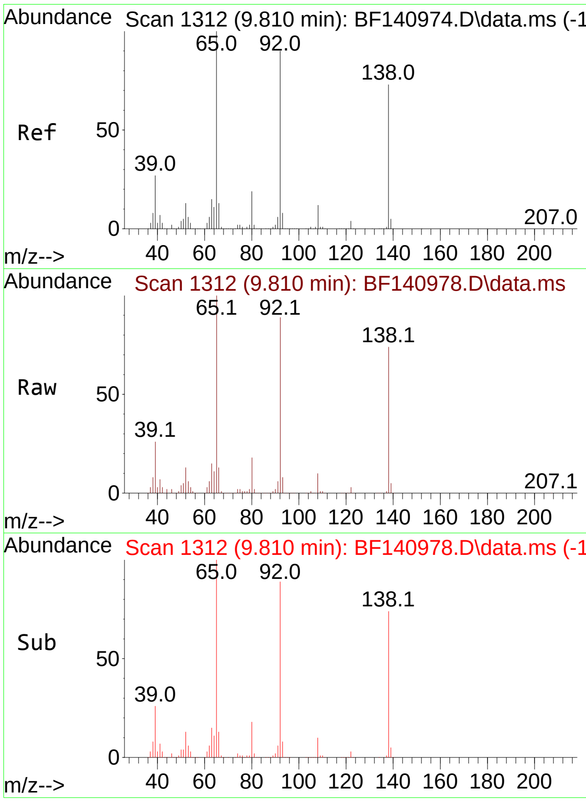


#52
Acenaphthene
Concen: 40.168 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:154 Resp: 1361911

Ion	Ratio	Lower	Upper
154	100		
153	111.3	89.2	133.8
152	51.0	40.9	61.3





#53
3-Nitroaniline
Concen: 42.522 ng
RT: 9.810 min   Scan# 1
Delta R.T.   -0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024   19:52

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Tgt Ion:138 Resp: 36049

Ion	Ratio	Lower	Upper
138	100		
108	13.4	13.5	20.3
92	120.2	97.7	146.5

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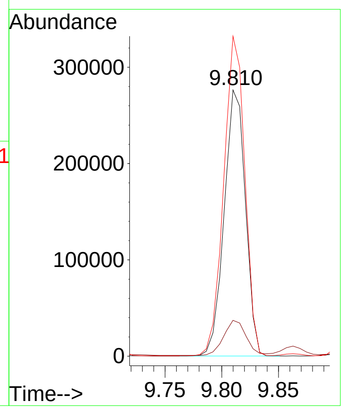
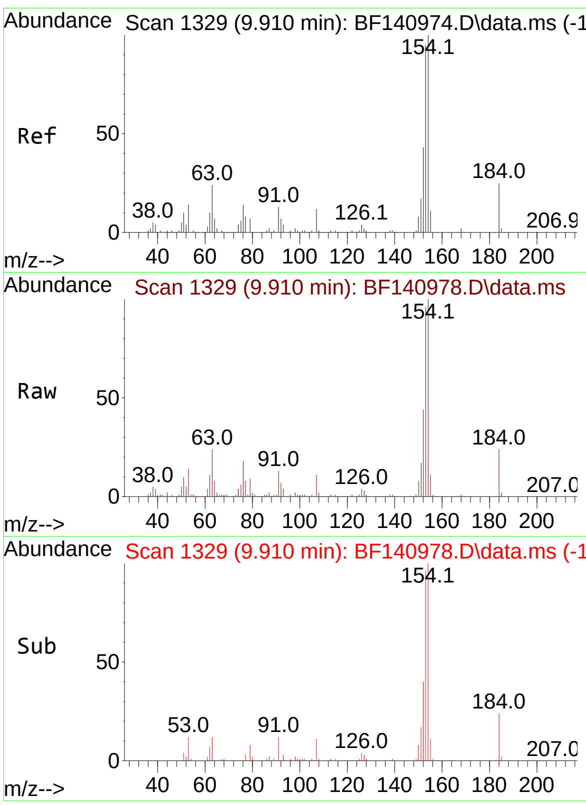
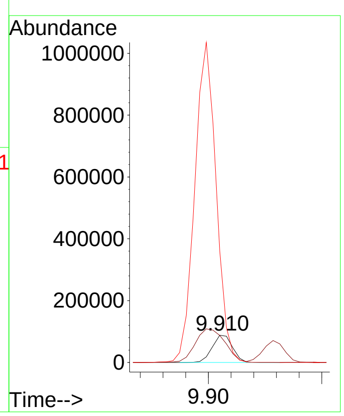




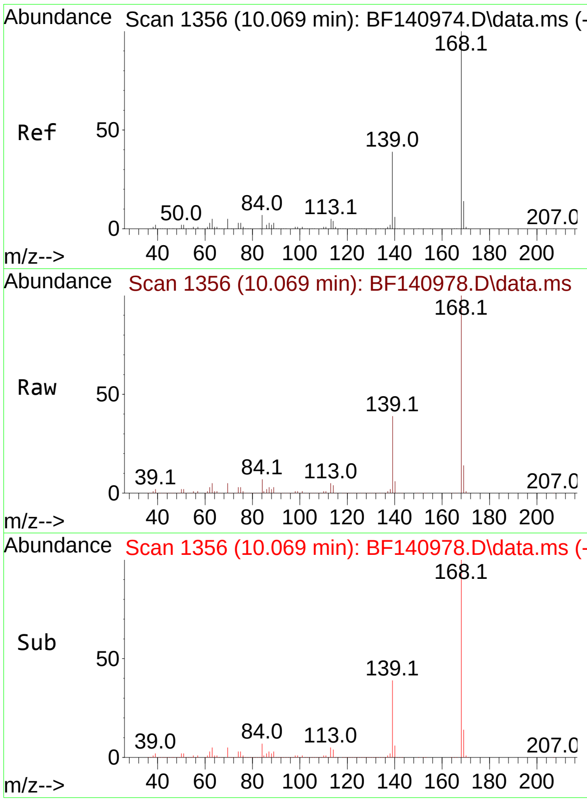
#54
2,4-Dinitrophenol
Concen: 45.538 ng
RT: 9.910 min   Scan# 1329
Delta R.T.   -0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024   19:52

Tgt Ion:184 Resp: 110045

Ion	Ratio	Lower	Upper
184	100		
63	99.5	81.6	122.4
154	410.3	363.5	545.3



ICAL Form



#55
Dibenzofuran
Concen: 38.318 ng
RT: 10.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:168 Resp: 182581

Ion	Ratio	Lower	Upper
168	100		
139	39.2	31.6	47.4
169	13.6	11.0	16.6

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

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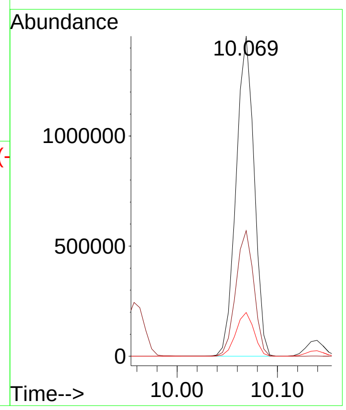
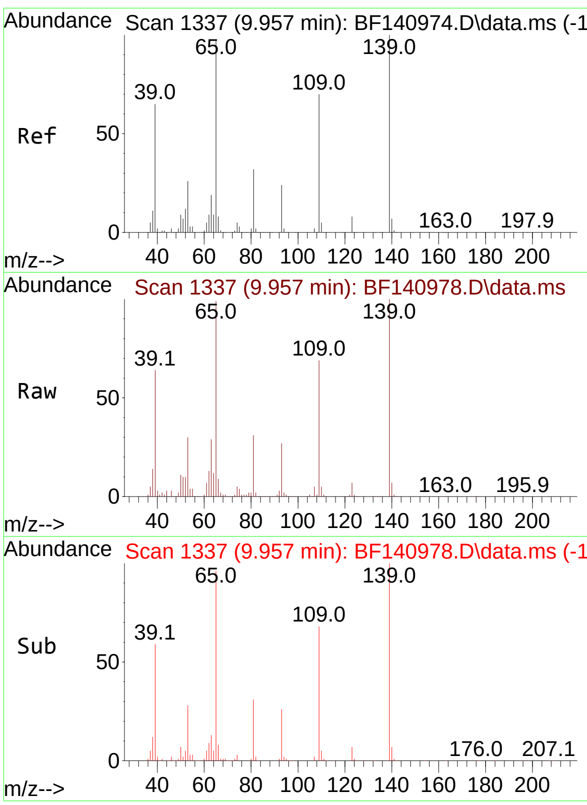
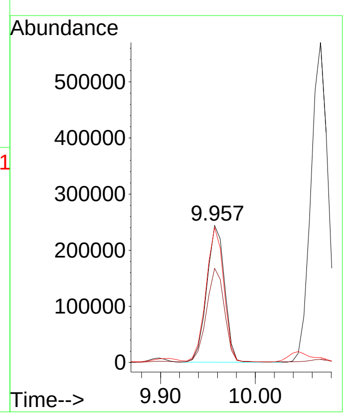




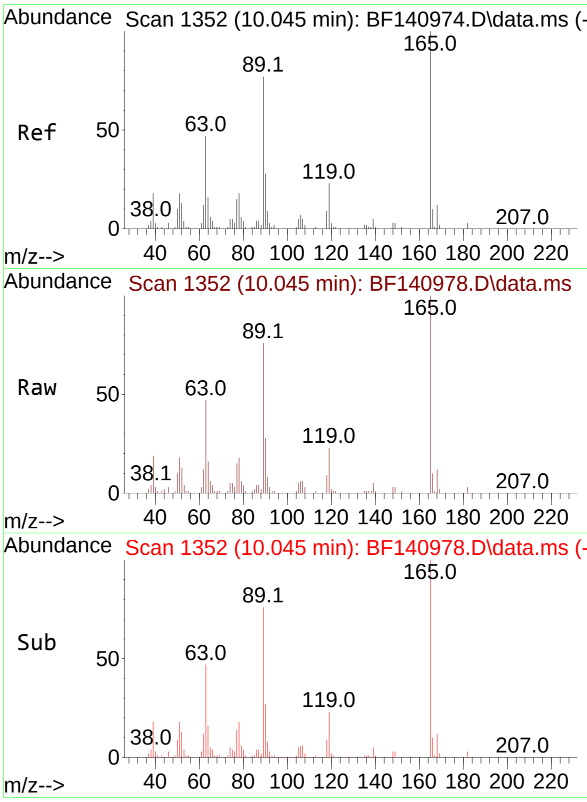
#56
4-Nitrophenol
Concen: 48.593 ng
RT: 9.957 min Scan# 1337
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:139 Resp: 320756

Ion	Ratio	Lower	Upper
139	100		
109	68.6	50.8	90.8
65	98.5	78.5	118.5



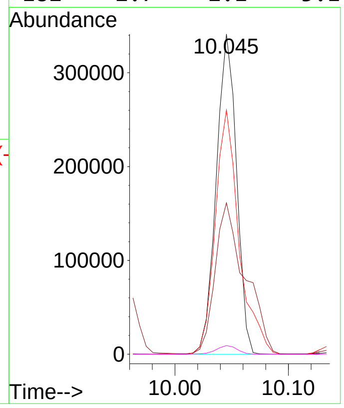
ICAL Form



#57
2,4-Dinitrotoluene
Concen: 44.506 ng
RT: 10.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:165 Resp: 42511

Ion	Ratio	Lower	Upper
165	100		
63	47.3	38.1	57.1
89	76.3	61.4	92.2
182	2.7	2.1	3.1



Instrument :
BNA_F
ClientSampleId :
ICVBF122624

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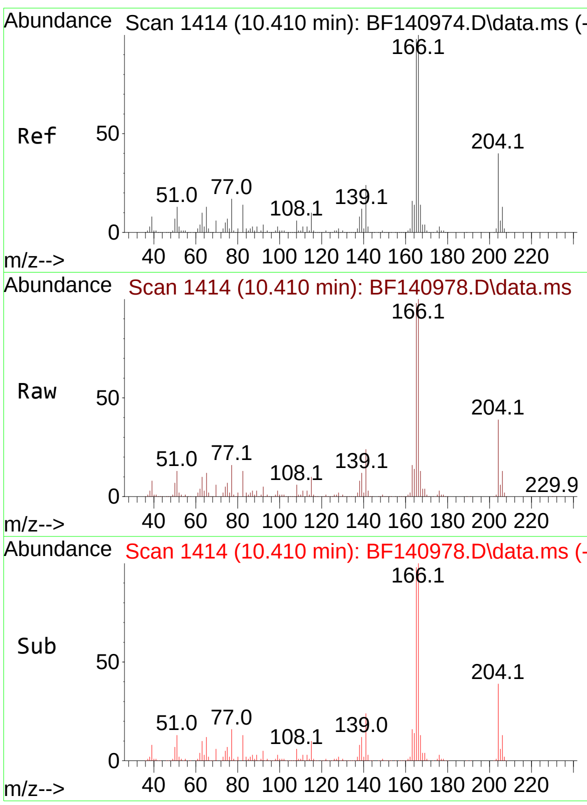
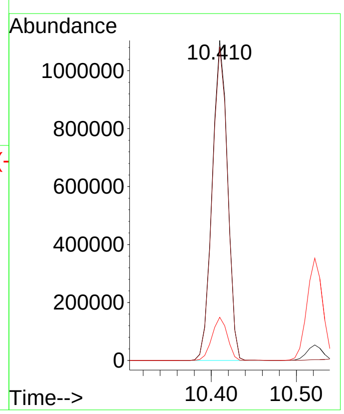
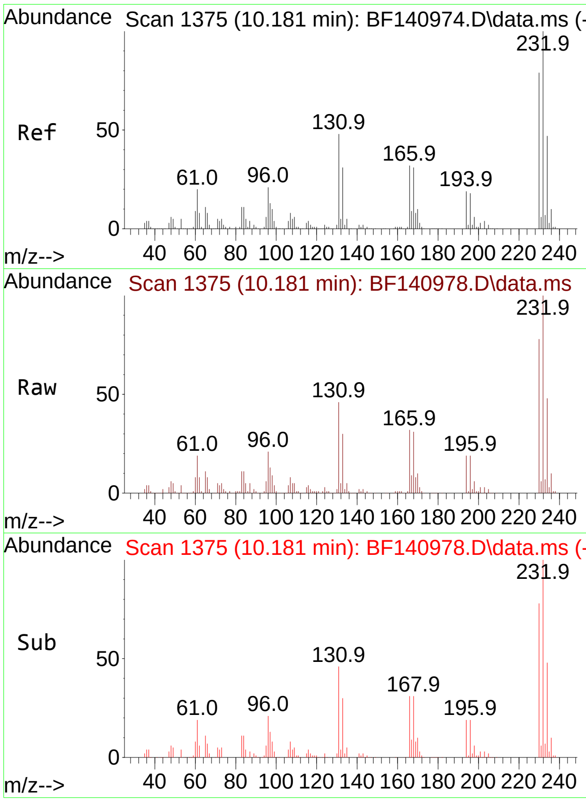


#58
Fluorene
Concen: 37.668 ng
RT: 10.410 min Scan# 1414
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:166 Resp: 1391829

Ion	Ratio	Lower	Upper
166	100		
165	98.0	78.3	117.5
167	13.5	10.9	16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 41.681 ng
RT: 10.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Tgt Ion:232 Resp: 37940

Ion	Ratio	Lower	Upper
232	100		
131	45.6	37.4	56.2
130	2.3	1.8	2.8
166	31.2	24.8	37.2

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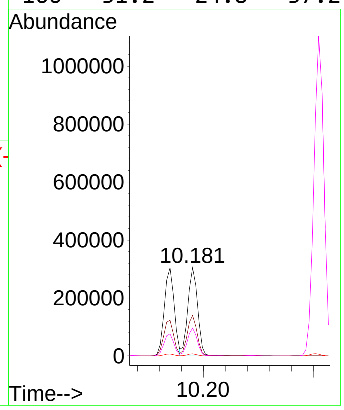
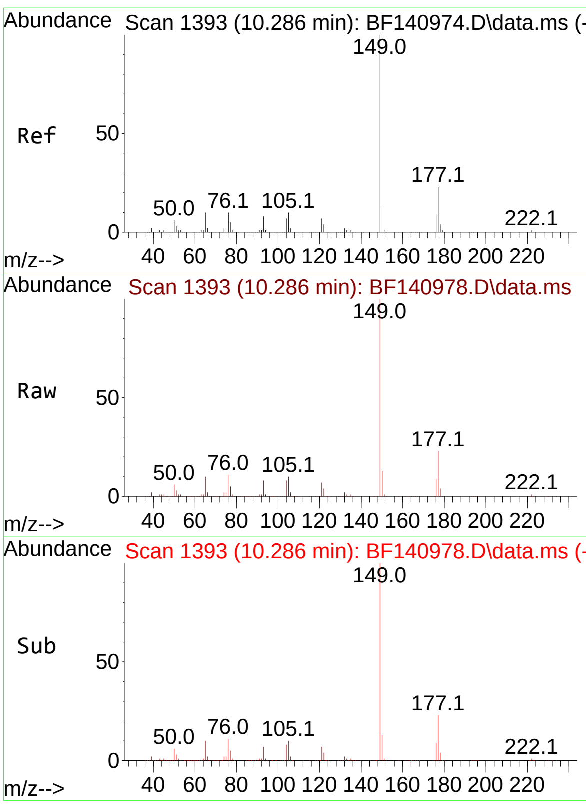
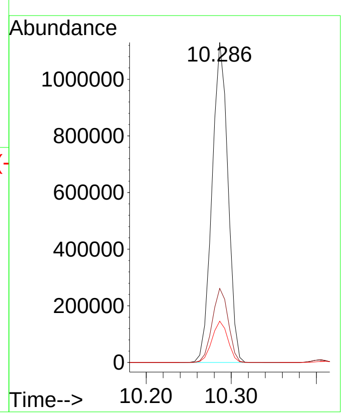




#60
Diethylphthalate
Concen: 38.629 ng
RT: 10.286 min Scan# 1393
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:149 Resp: 1471636

Ion	Ratio	Lower	Upper
149	100		
177	23.1	18.3	27.5
150	12.9	10.4	15.6



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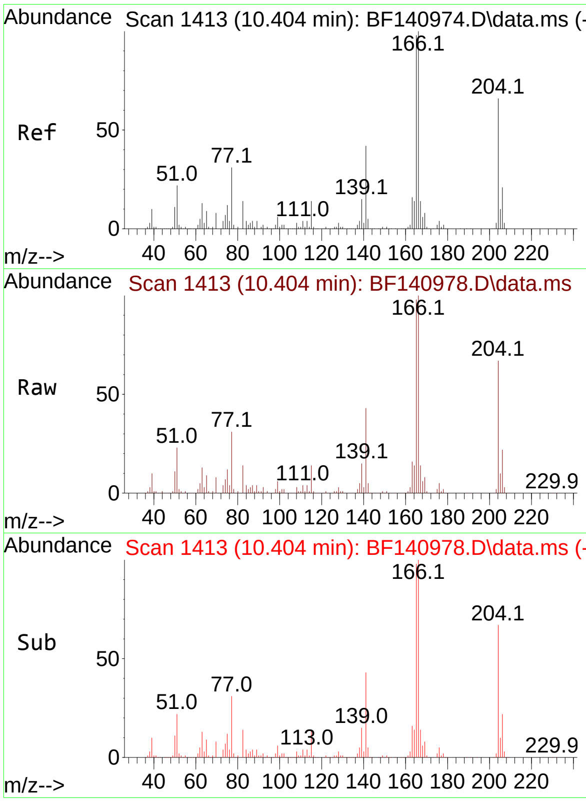

#61
4-Chlorophenyl-phenylether
Concen: 37.928 ng
RT: 10.404 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:204 Resp: 67432

Ion	Ratio	Lower	Upper
204	100		
206	32.8	25.8	38.6
141	63.7	51.2	76.8

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

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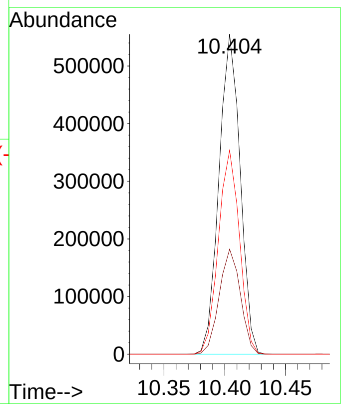
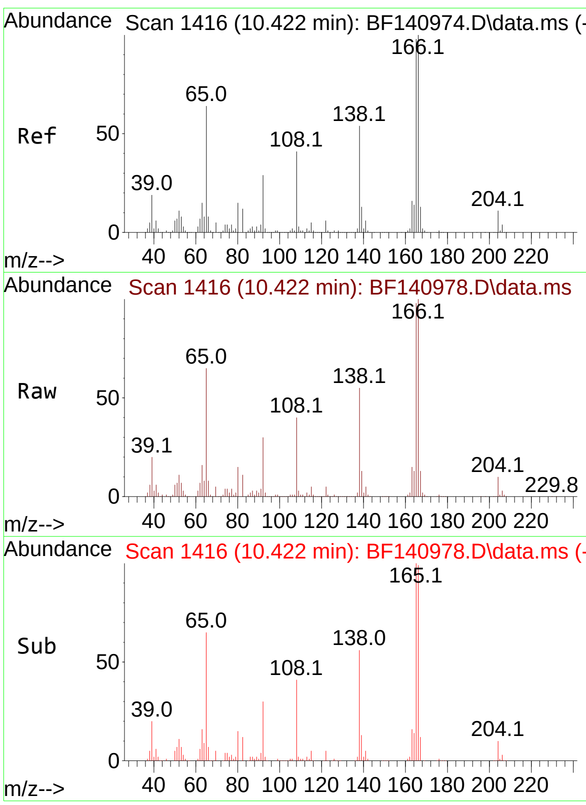
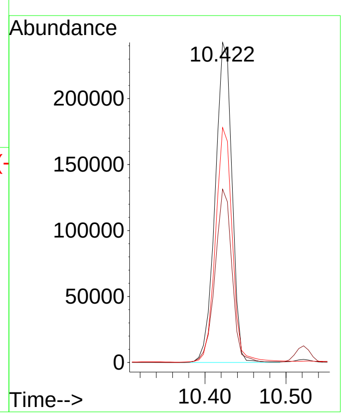




#62
4-Nitroaniline
Concen: 41.571 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:138 Resp: 351313

Ion	Ratio	Lower	Upper
138	100		
92	54.1	34.8	74.8
108	73.4	55.9	95.9



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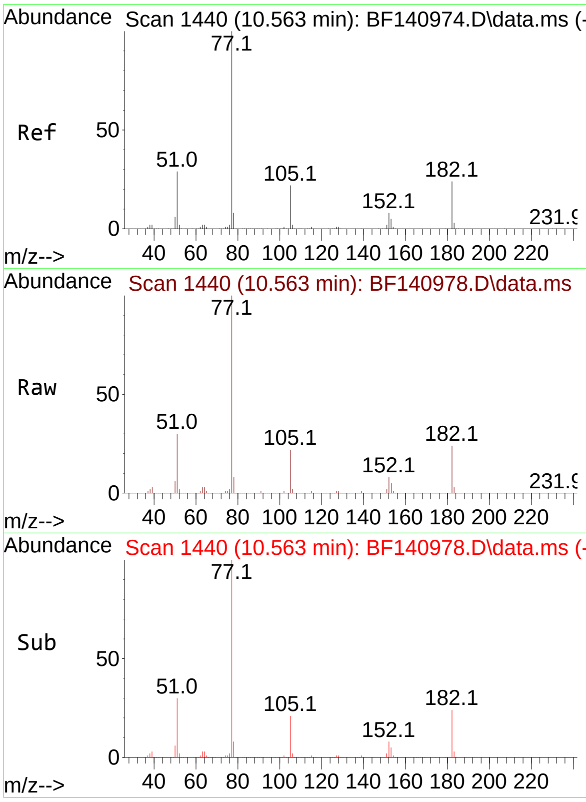

#63
Azobenzene
Concen: 38.471 ng
RT: 10.563 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion: 77 Resp: 153832

Ion	Ratio	Lower	Upper
77	100		
182	24.2	4.1	44.1
105	21.5	1.8	41.8
51	30.0	9.7	49.7

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

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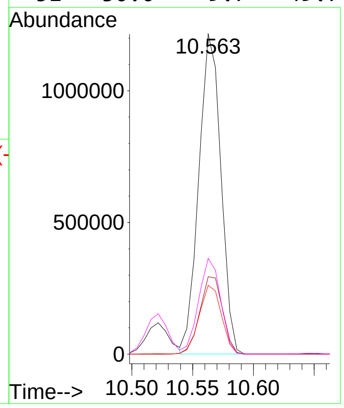
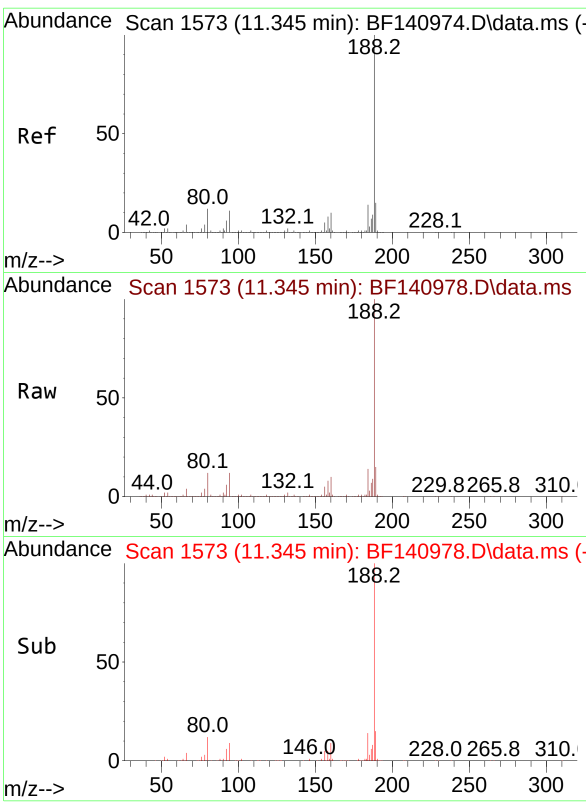
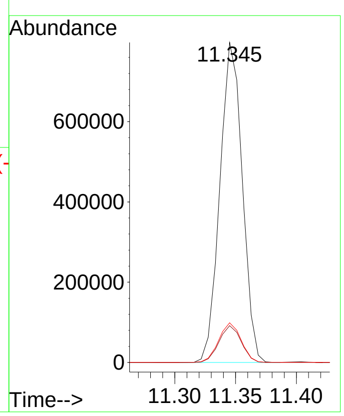




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:188 Resp: 1025959

Ion	Ratio	Lower	Upper
188	100		
94	11.5	9.0	13.6
80	12.4	9.8	14.6



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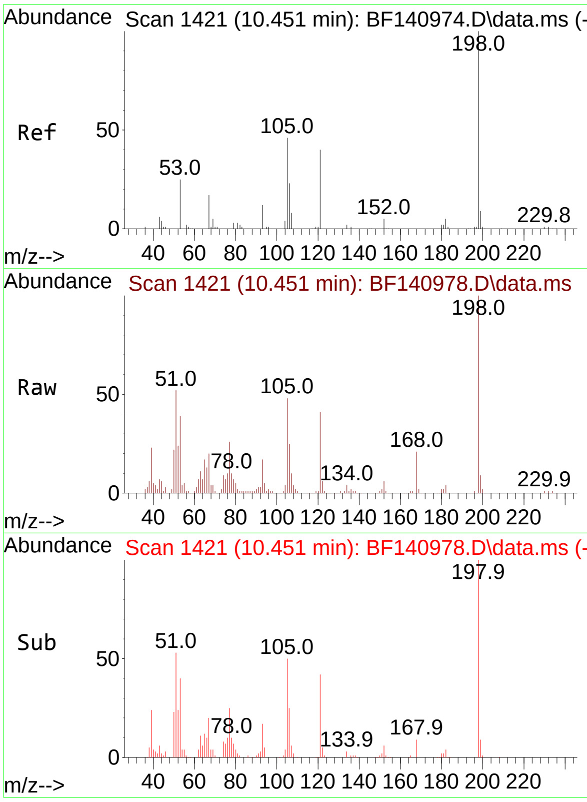

#65
4,6-Dinitro-2-methylphenol
Concen: 43.296 ng
RT: 10.451 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:198 Resp: 17245

Ion	Ratio	Lower	Upper
198	100		
51	51.9	32.3	72.3
105	48.3	28.4	68.4

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

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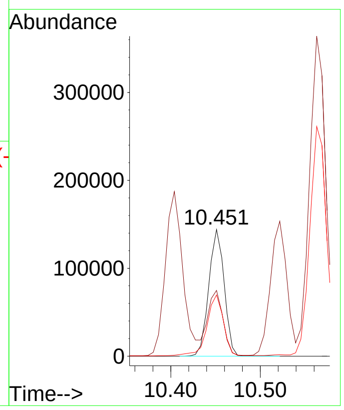
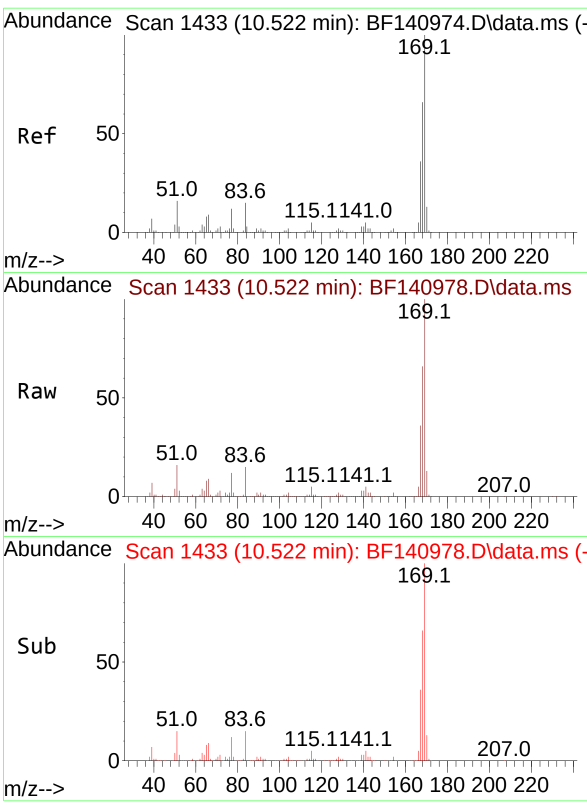
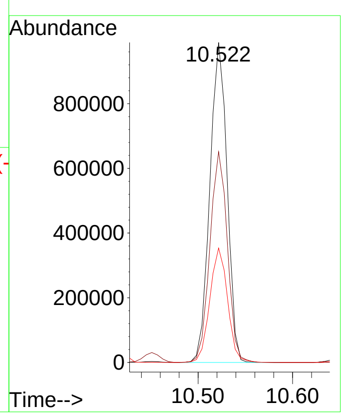


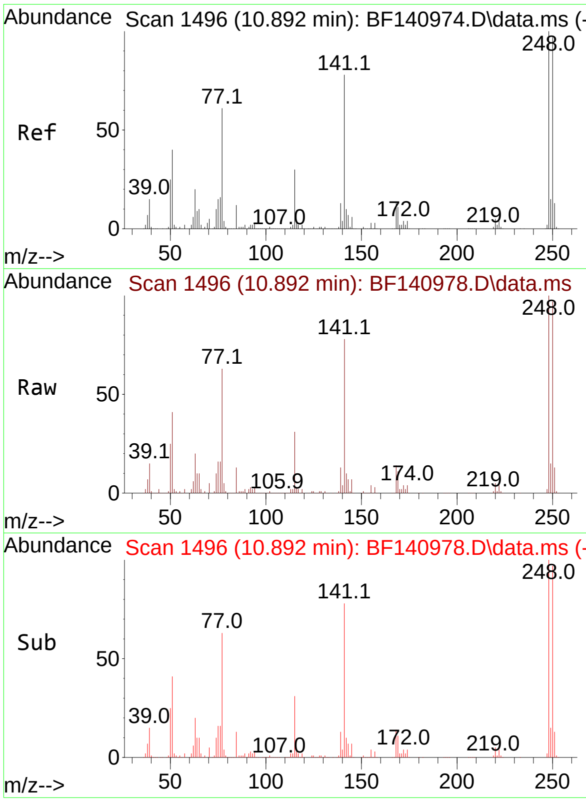


#66
n-Nitrosodiphenylamine
Concen: 38.777 ng
RT: 10.522 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:169 Resp: 1252782

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





#67
4-Bromophenyl-phenylether
Concen: 39.247 ng
RT: 10.892 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:248 Resp: 43528

Ion	Ratio	Lower	Upper
248	100		
250	97.2	77.7	116.5
141	78.4	62.1	93.1

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

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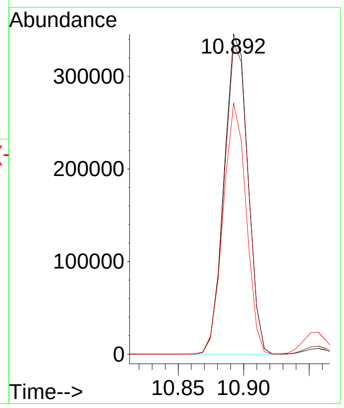
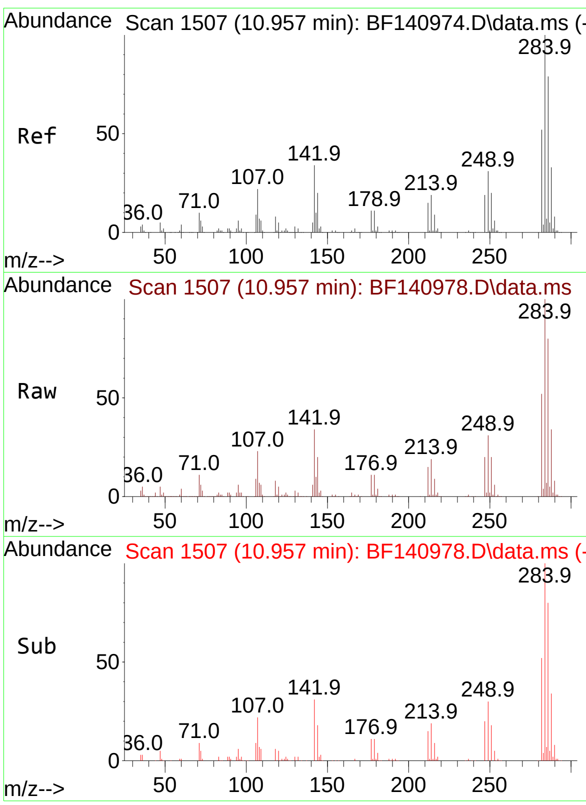
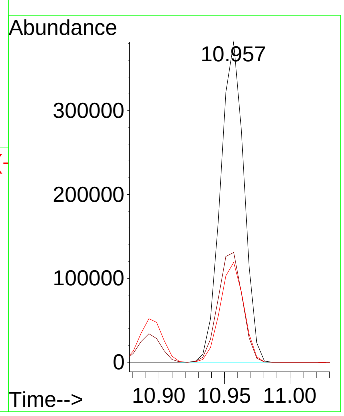


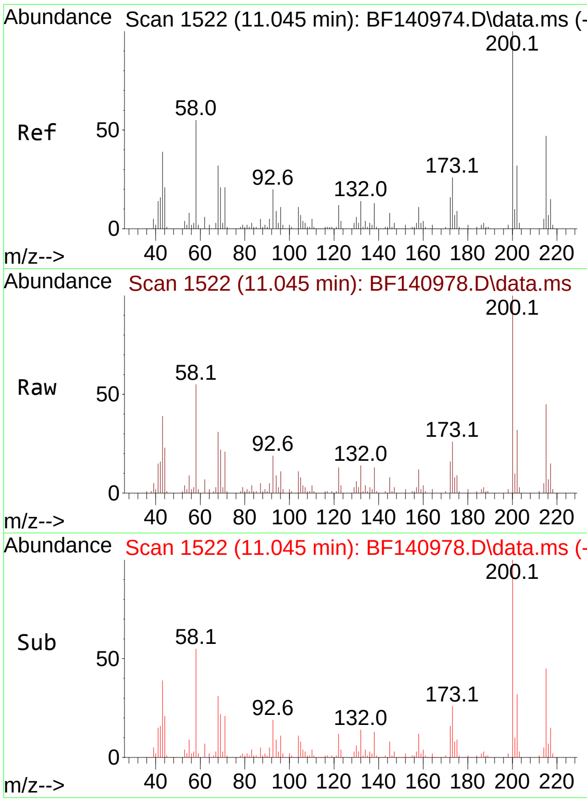


#68
Hexachlorobenzene
Concen: 38.890 ng
RT: 10.957 min Scan# 1507
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:284 Resp: 475602

Ion	Ratio	Lower	Upper
284	100		
142	34.3	27.1	40.7
249	31.2	25.1	37.7





#69
Atrazine
Concen: 35.858 ng
RT: 11.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Tgt Ion:200 Resp: 32363

Ion	Ratio	Lower	Upper
200	100		
173	26.2	6.4	46.4
215	45.3	27.2	67.2

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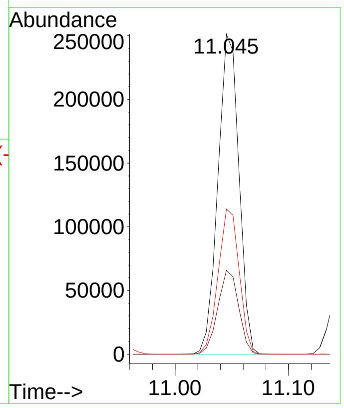
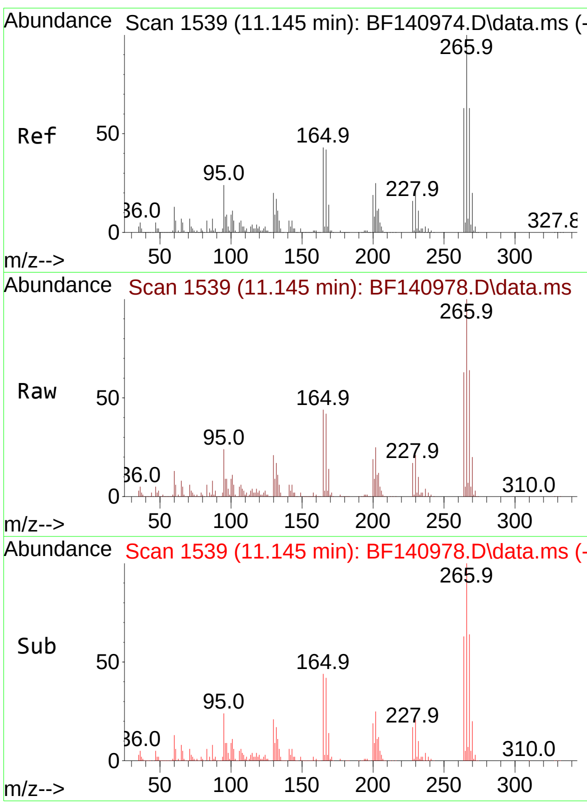
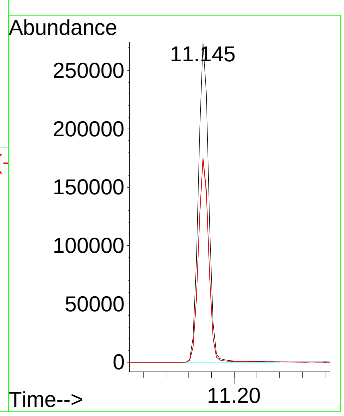




#70
Pentachlorophenol
Concen: 45.869 ng
RT: 11.145 min Scan# 1539
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:266 Resp: 349248

Ion	Ratio	Lower	Upper
266	100		
268	64.0	50.5	75.7
264	63.4	50.2	75.4



Instrument :
BNA_F
ClientSampleId :
ICVBF122624

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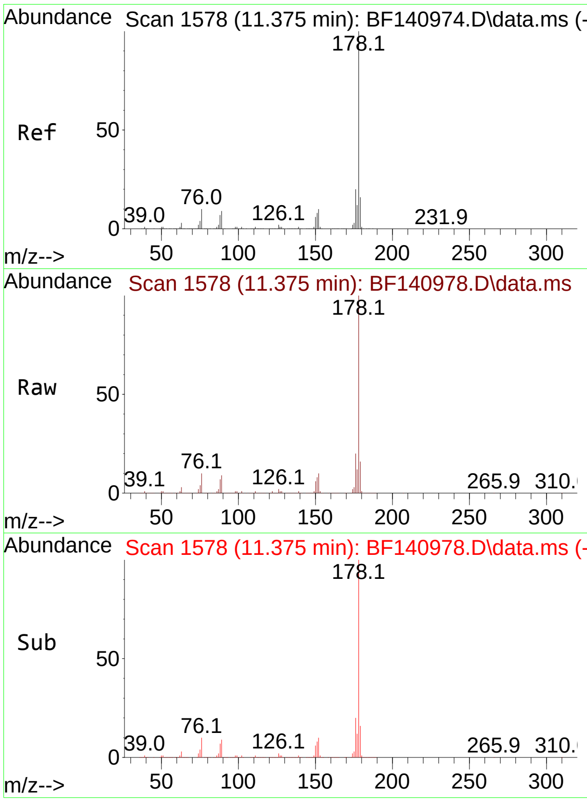
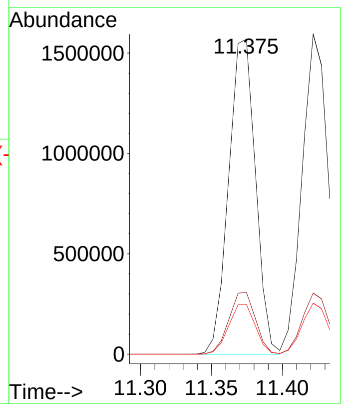
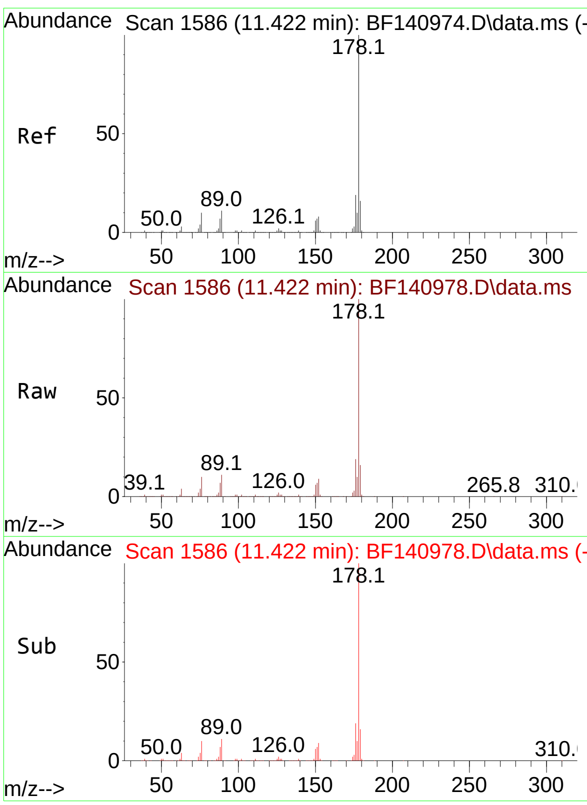


#71
Phenanthrene
Concen: 38.373 ng
RT: 11.375 min Scan# 1!
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:178 Resp: 207201

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.6
179	15.8	12.6	19.0

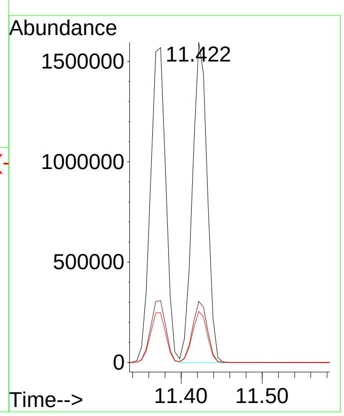


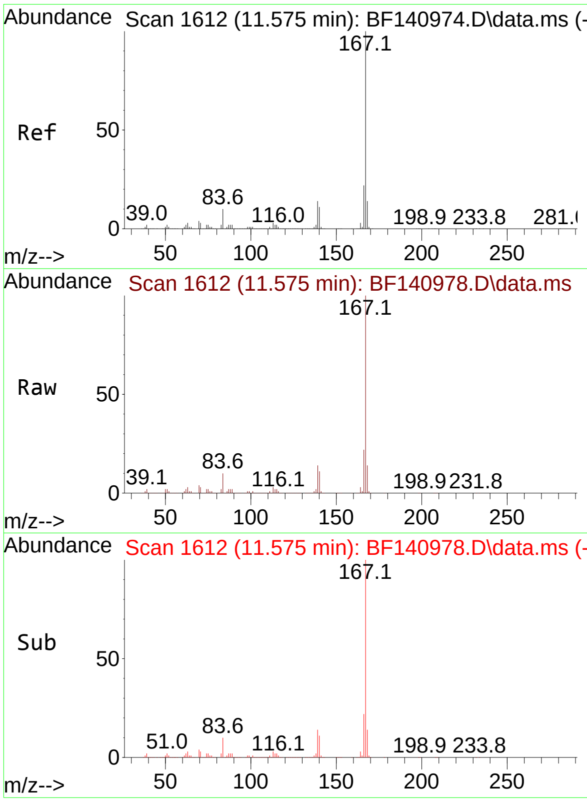


#72
Anthracene
Concen: 38.325 ng
RT: 11.422 min Scan# 1586
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:178 Resp: 2027823

Ion	Ratio	Lower	Upper
178	100		
176	19.1	15.3	22.9
179	16.0	12.9	19.3

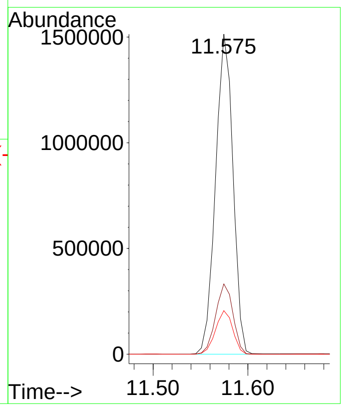




#73
Carbazole
Concen: 38.096 ng
RT: 11.575 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:167 Resp: 193773

Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.5	26.3
139	13.6	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
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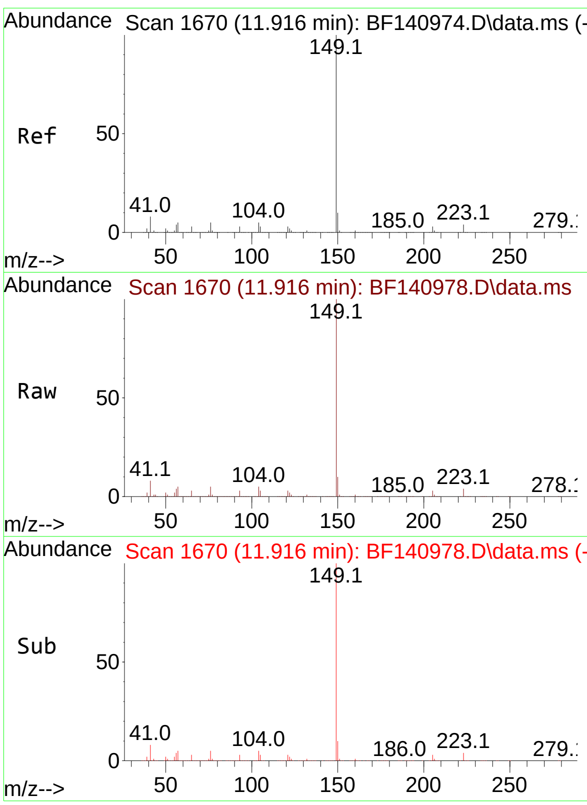
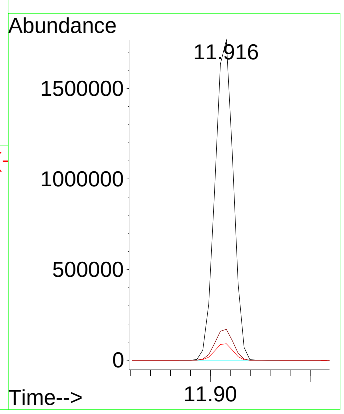


#74
Di-n-butylphthalate
Concen: 38.673 ng
RT: 11.916 min Scan# 1670
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:149 Resp: 2237362

Ion	Ratio	Lower	Upper
149	100		
150	9.6	7.7	11.5
104	5.1	4.1	6.1



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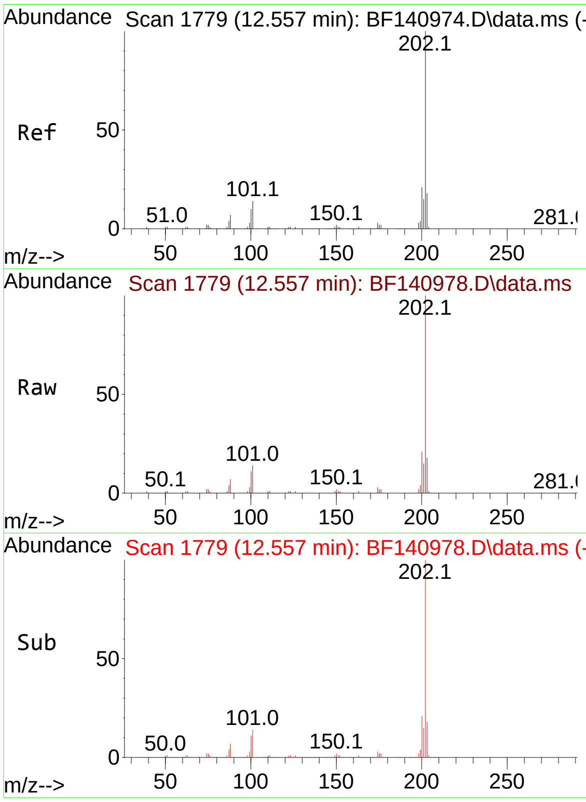

#75
Fluoranthene
Concen: 37.724 ng
RT: 12.557 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:202 Resp: 220924

Ion	Ratio	Lower	Upper
202	100		
101	13.7	0.0	33.7
203	18.1	0.0	38.1

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

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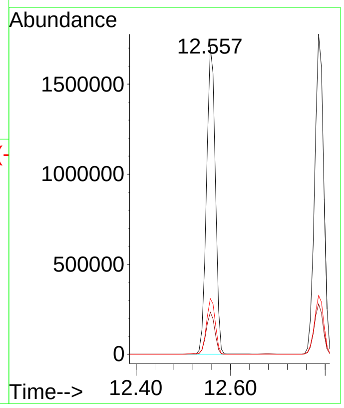
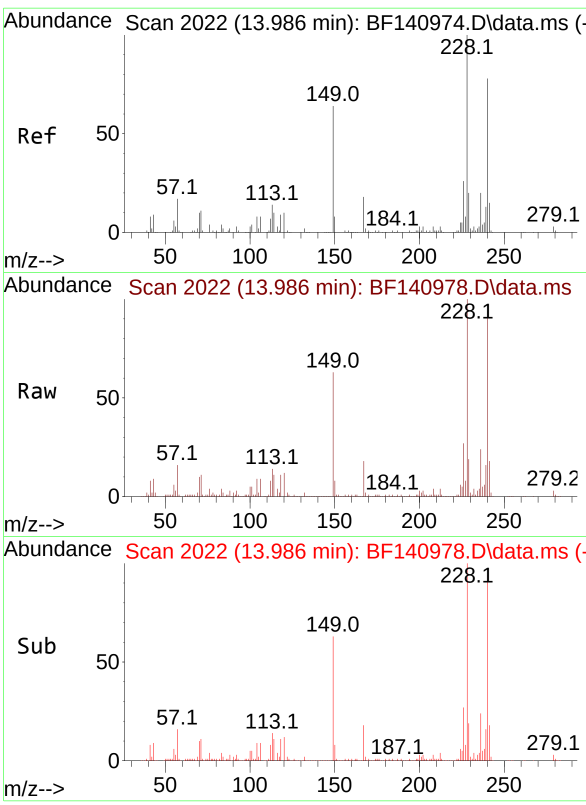
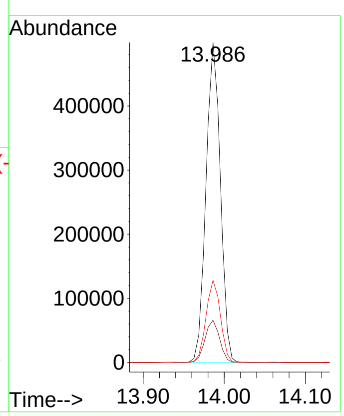




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:240 Resp: 614249

Ion	Ratio	Lower	Upper
240	100		
120	13.2	10.7	16.1
236	25.7	20.6	31.0



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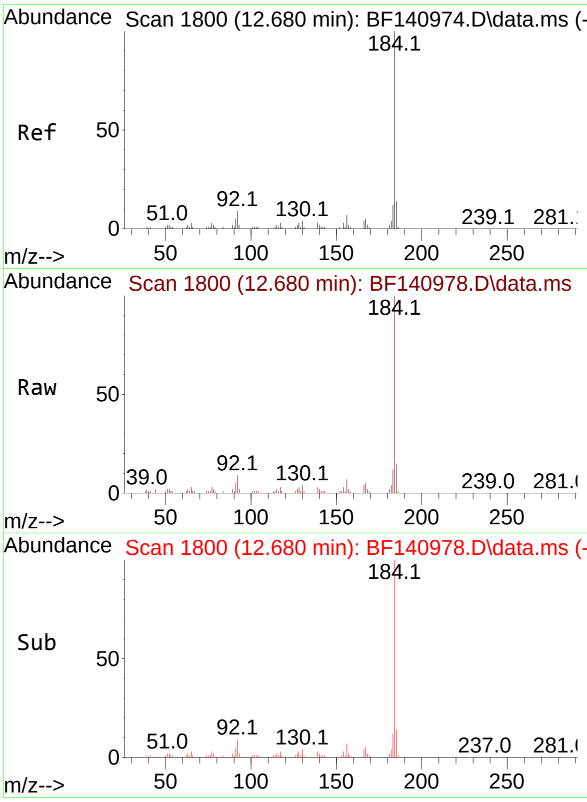
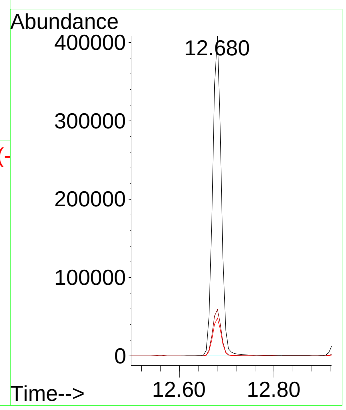


#77
Benzidine
Concen: 40.101 ng
RT: 12.680 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:184 Resp: 52057

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.4	17.2
183	11.8	9.4	14.0



Instrument :
BNA_F
ClientSampleId :
ICVBF122624

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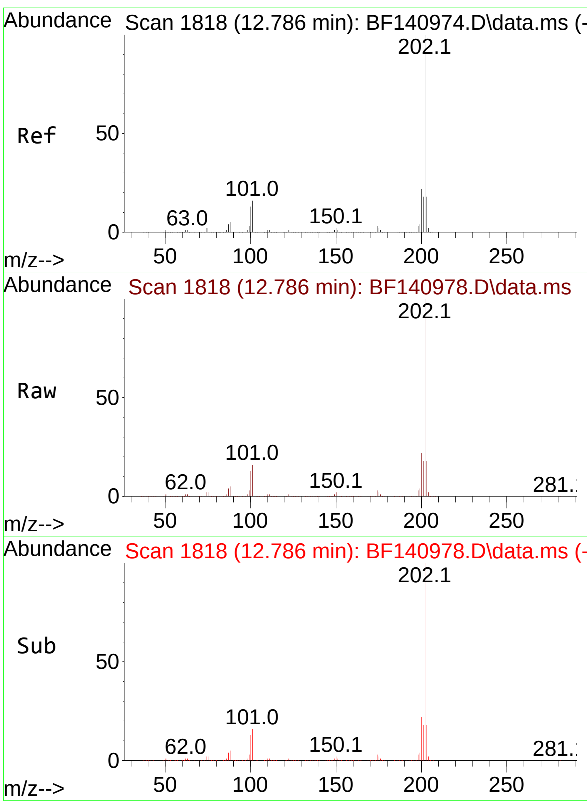
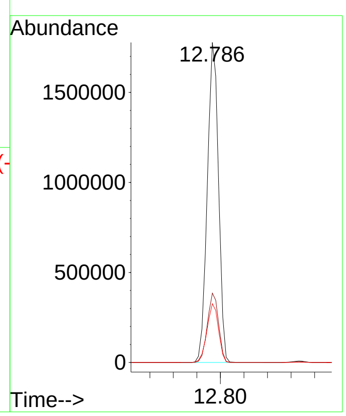
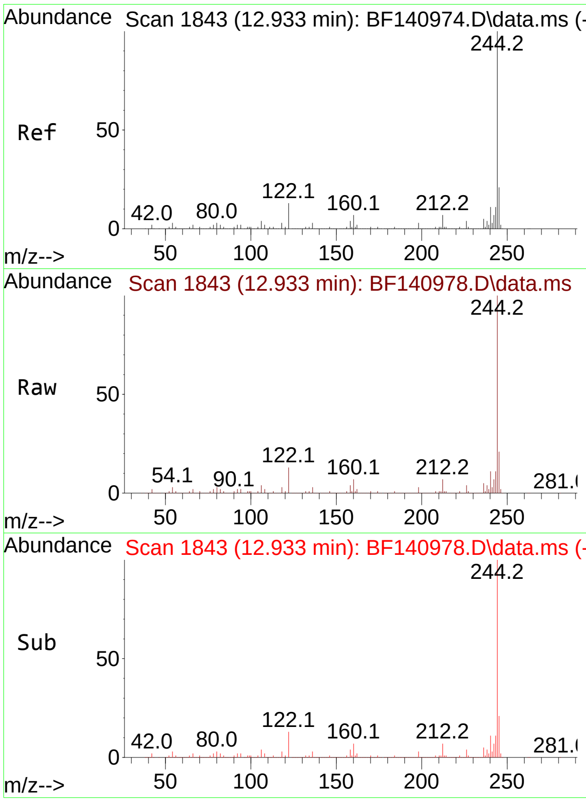


#78
Pyrene
Concen: 43.575 ng
RT: 12.786 min Scan# 1818
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:202 Resp: 2340872

Ion	Ratio	Lower	Upper
202	100		
200	21.7	17.3	25.9
203	18.4	14.6	21.8





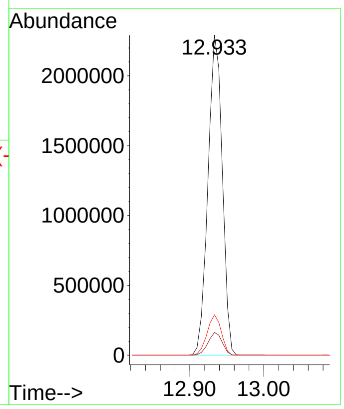

```
#79
Terphenyl-d14
Concen:   83.347 ng
RT:  12.933 min  Scan# 1
Delta R.T.  0.000 min
Lab File:   BF140978.D
Acq: 26 Dec 2024  19:52

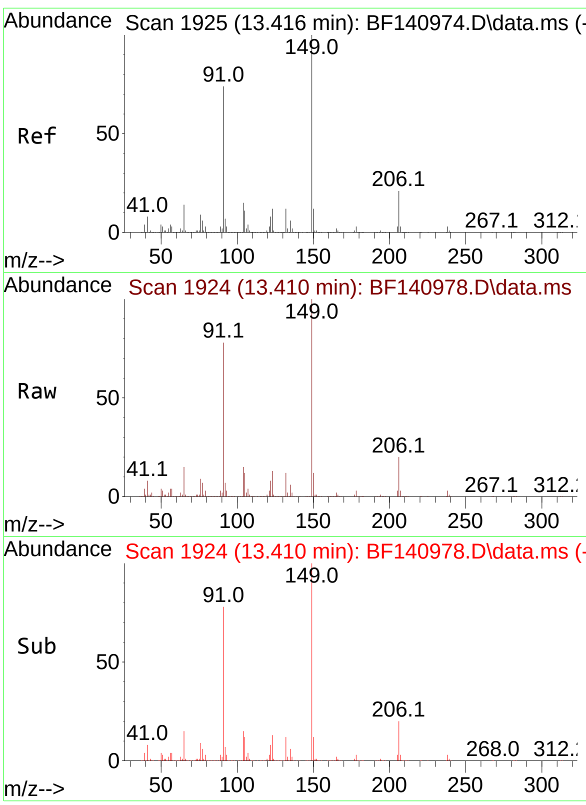
Tgt Ion:244 Resp: 308224
Ion  Ratio  Lower  Upper
244  100
212    7.1    5.7    8.5
122   12.6   10.2   15.2
```

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Manual Integrations
APPROVED

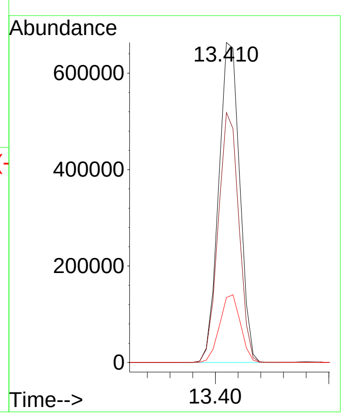
Reviewed By :Yogesh Patel 12/27/2024
Supervised By :mohammad ahmed 12/27/2024

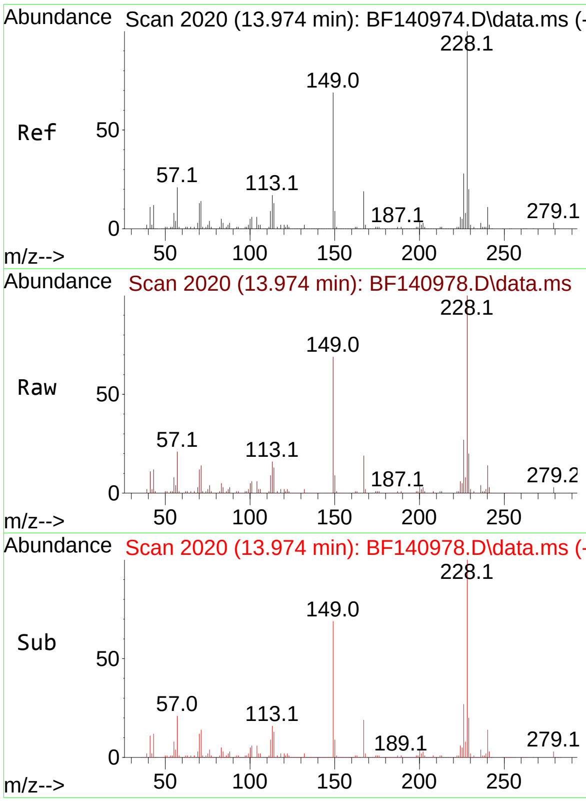





```
#80
Butylbenzylphthalate
Concen:   43.715 ng
RT:  13.410 min  Scan# 1924
Delta R.T.  -0.006 min
Lab File:   BF140978.D
Acq: 26 Dec 2024  19:52

Tgt Ion:149 Resp:  857532
Ion  Ratio  Lower  Upper
149  100
 91   78.1   59.5   89.3
206   20.3   17.1   25.7
```

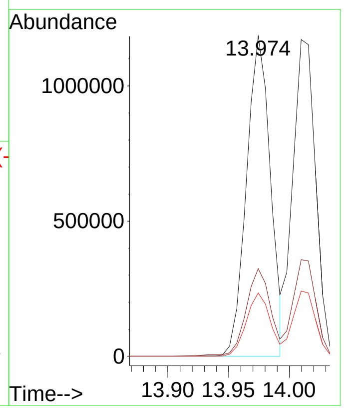




#81
Benzo(a)anthracene
Concen: 37.941 ng
RT: 13.974 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:228 Resp: 162424

Ion	Ratio	Lower	Upper
228	100		
226	27.4	22.1	33.1
229	19.7	16.2	24.2



Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Manual Integrations APPROVED
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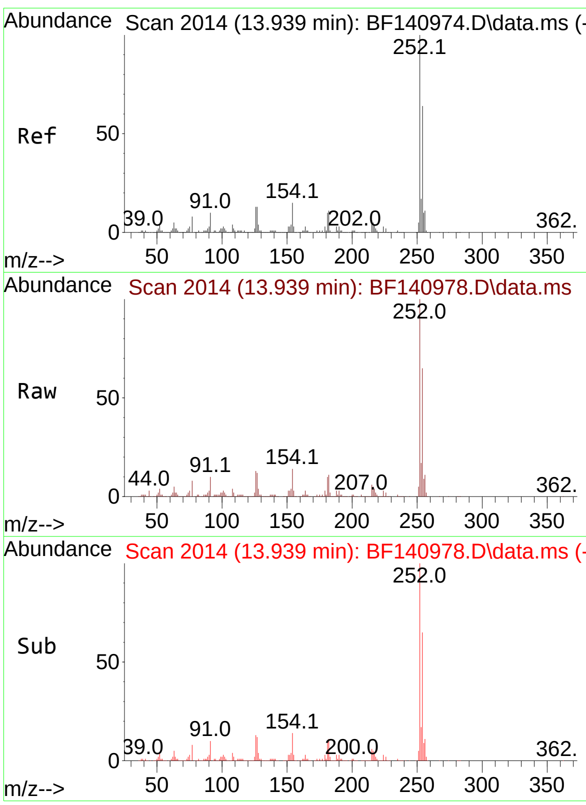
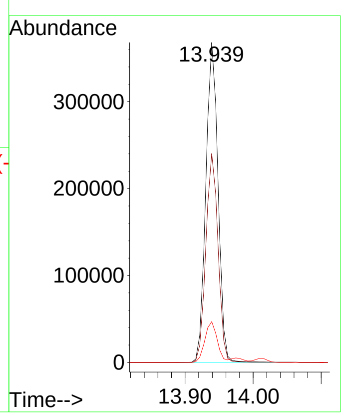
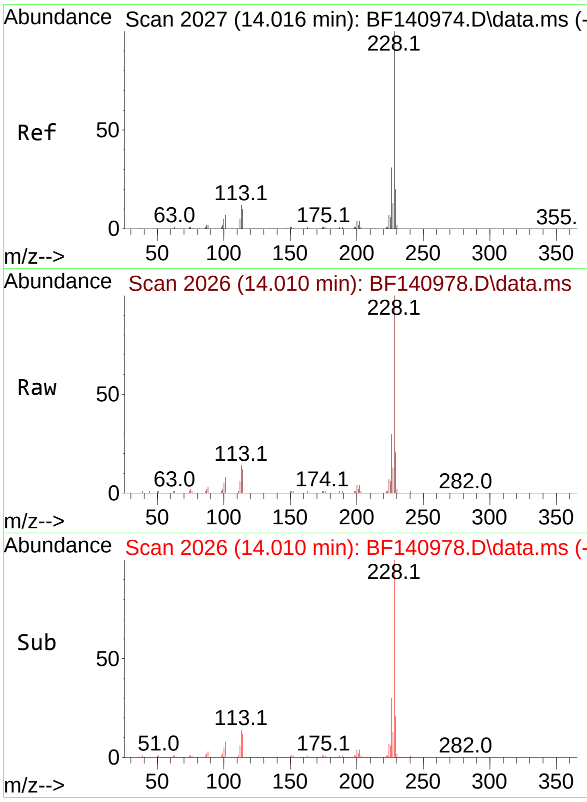


#82
3,3'-Dichlorobenzidine
Concen: 35.805 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:252 Resp: 460524

Ion	Ratio	Lower	Upper
252	100		
254	65.3	51.5	77.3
126	12.7	10.3	15.5





#83
Chrysene
Concen: 39.695 ng
RT: 14.010 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Tgt Ion:228 Resp: 1531898

Ion	Ratio	Lower	Upper
228	100		
226	30.5	24.5	36.7
229	20.5	16.2	24.4

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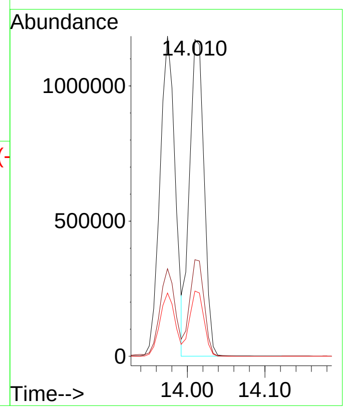
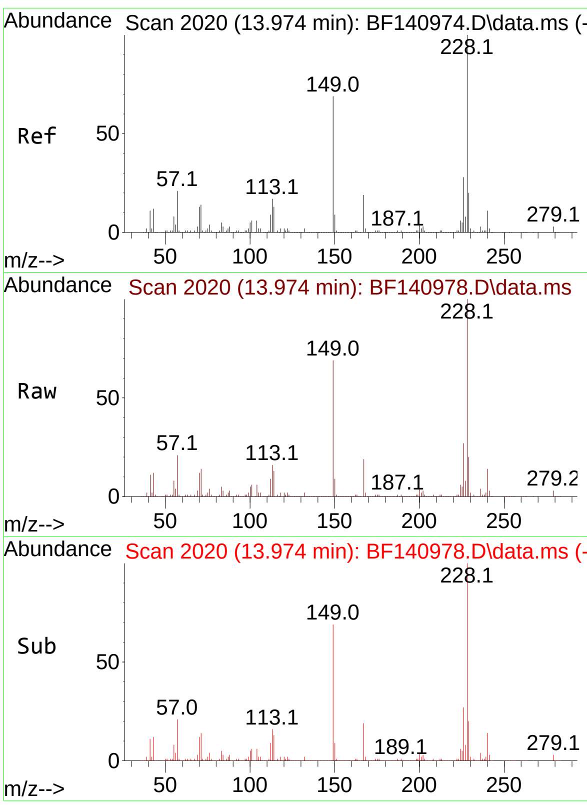
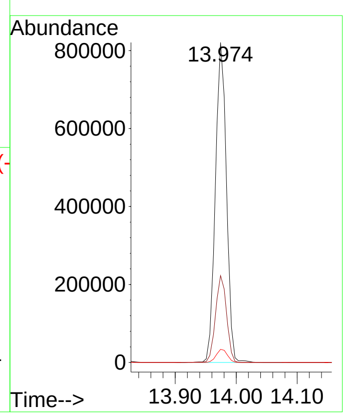


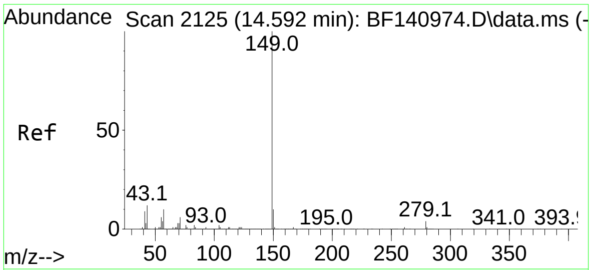


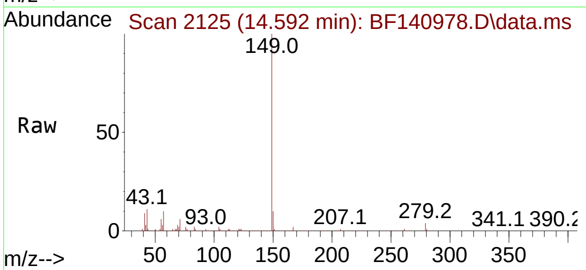
#84
Bis(2-ethylhexyl)phthalate
Concen: 40.713 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

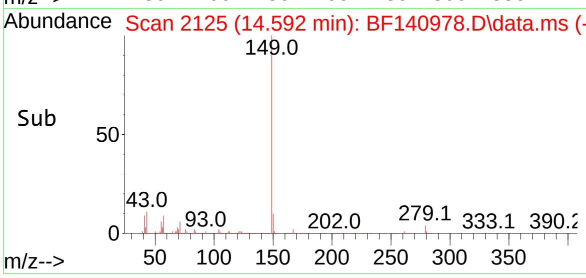
Tgt Ion:149 Resp: 1035953

Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.6	32.4
279	4.1	3.2	4.8









#85
Di-n-octyl phthalate
Concen: 39.285 ng
RT: 14.592 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Tgt Ion:149 Resp: 144678

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	11.4	9.3	13.9

Manual Integrations
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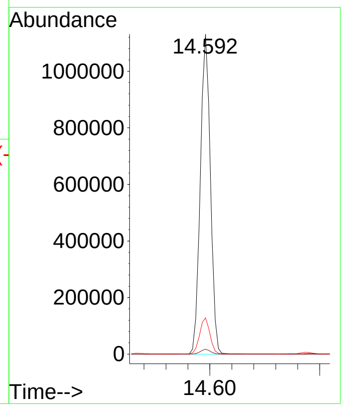
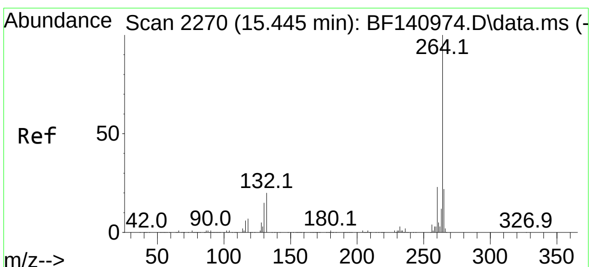
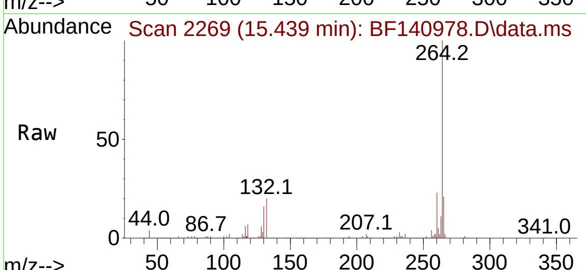
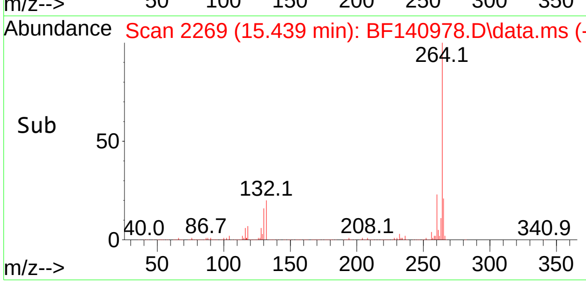




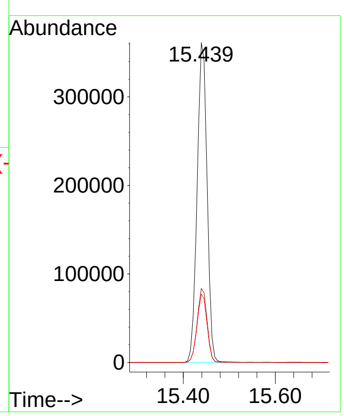




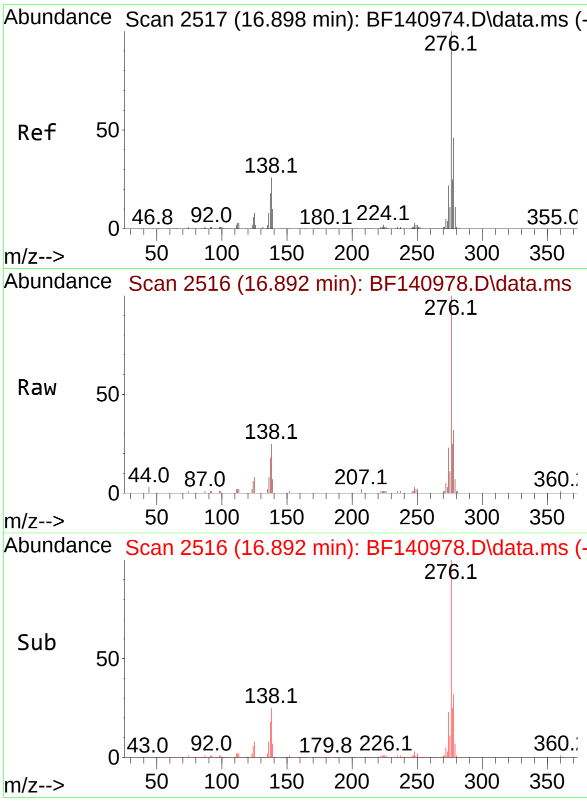
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:264 Resp: 543067

Ion	Ratio	Lower	Upper
264	100		
260	23.1	18.7	28.1
265	21.4	17.4	26.2



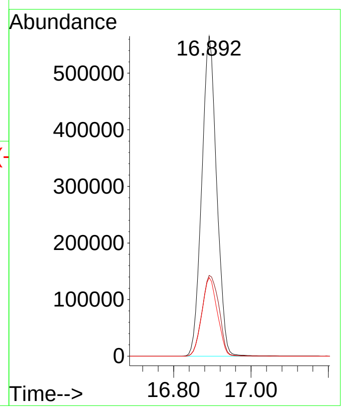
ICAL Form



#87
Indeno(1,2,3-cd)pyrene
Concen: 44.255 ng
RT: 16.892 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:276 Resp: 151416

Ion	Ratio	Lower	Upper
276	100		
138	28.7	23.1	34.7
277	25.5	20.4	30.6



Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Manual Integrations
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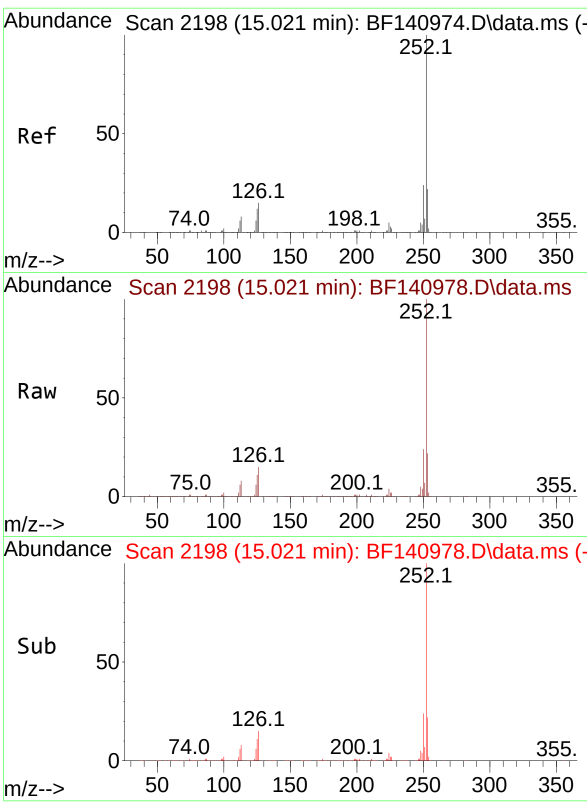
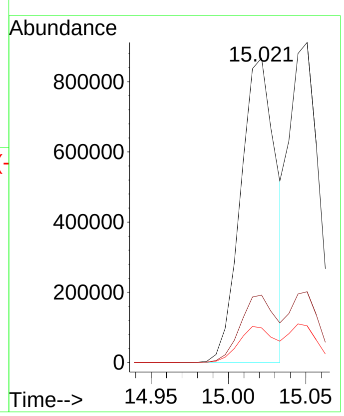


#88
Benzo(b)fluoranthene
Concen: 36.115 ng
RT: 15.021 min Scan# 2198
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:252 Resp: 1367890

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	11.3	9.3	13.9



Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Manual Integrations
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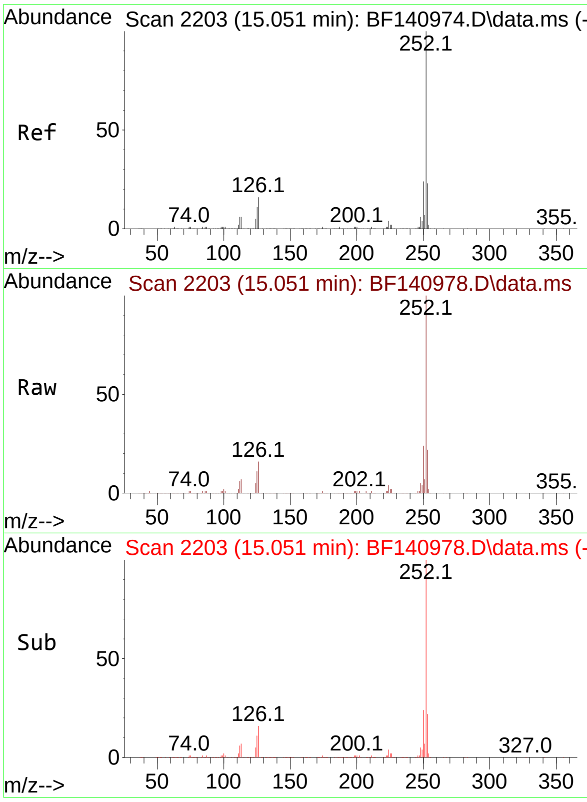
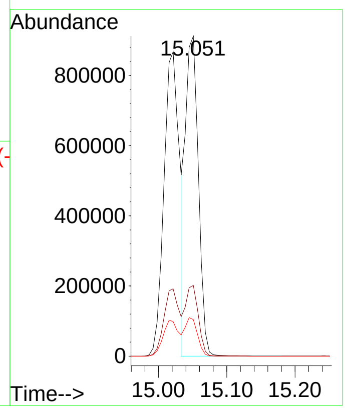
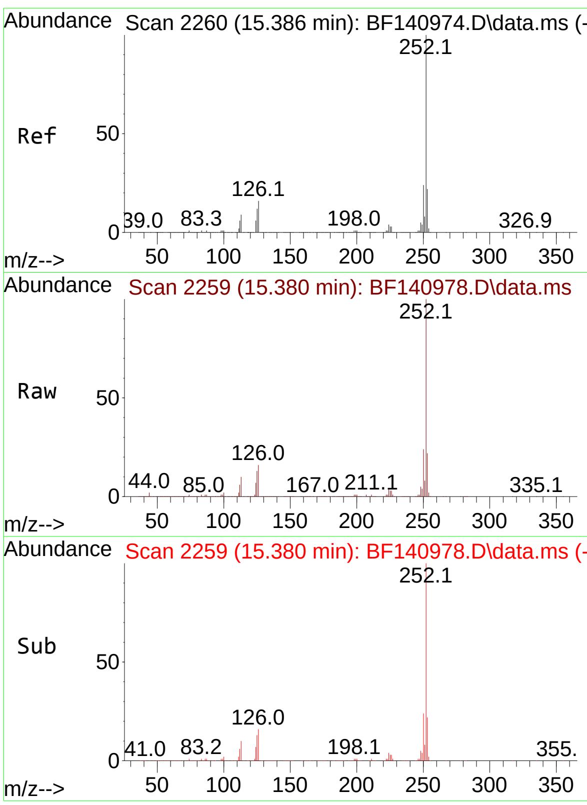


#89
Benzo(k)fluoranthene
Concen: 40.555 ng
RT: 15.051 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:252 Resp: 120391

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

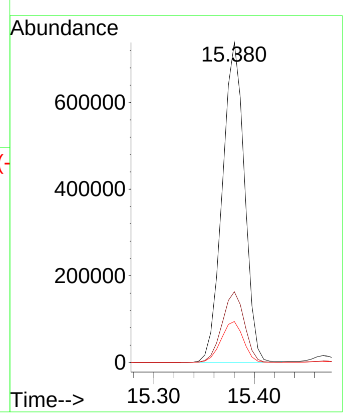




#90
Benzo(a)pyrene
Concen: 38.510 ng
RT: 15.380 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:252 Resp: 1132116

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.2	25.8
125	12.8	9.8	14.8



ICAL Form

Instrument : BNA_F
ClientSampleId : ICVBF122624

Manual Integrations APPROVED

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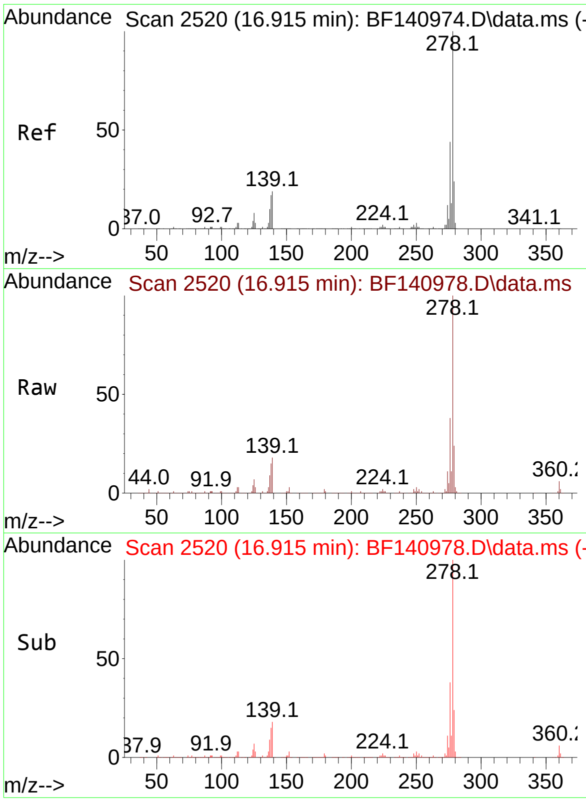
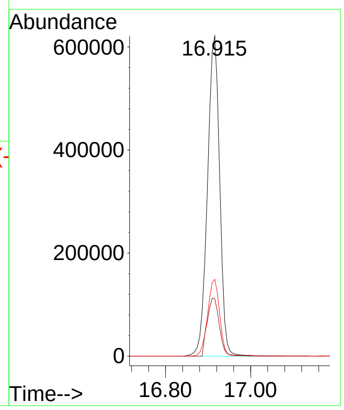
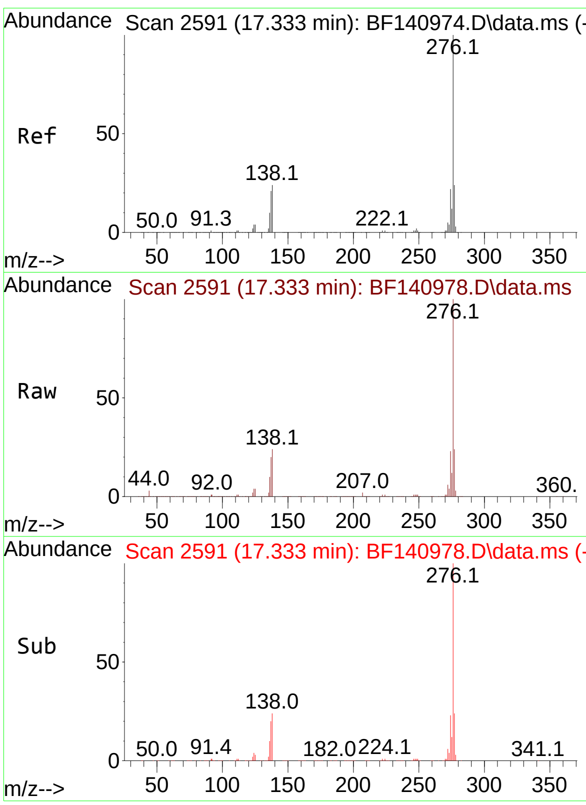


#91
Dibenzo(a,h)anthracene
Concen: 44.756 ng
RT: 16.915 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:278 Resp: 124128

Ion	Ratio	Lower	Upper
278	100		
139	18.0	14.9	22.3
279	24.0	19.0	28.6

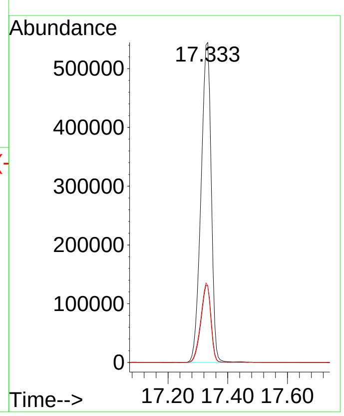




#92
Benzo(g,h,i)perylene
Concen: 45.122 ng
RT: 17.333 min Scan# 2591
Delta R.T. 0.000 min
Lab File: BF140978.D
Acq: 26 Dec 2024 19:52

Tgt Ion:276 Resp: 1297980

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.0	28.4
138	24.0	19.4	29.2



ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140978.D
Acq On : 26 Dec 2024 19:52
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Quant Time: Dec 27 00:40:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	106	0.00
2		1,4-Dioxane	0.601	0.587	2.3	104	0.00
3		Pyridine	1.468	1.439	2.0	106	0.00
4		n-Nitrosodimethylamine	0.744	0.728	2.2	103	0.01
5	S	2-Fluorophenol	1.327	1.281	3.5	105	0.00
6		Aniline	1.524	1.533	-0.6	100	-0.02
7	S	Phenol-d6	1.709	1.658	3.0	105	0.00
8		2-Chlorophenol	1.399	1.588	-13.5	121	0.00
9		Benzaldehyde	0.941	0.873	7.2	107	0.00
10	C	Phenol	1.767	2.063	-16.8	125	0.00
11		bis(2-Chloroethyl)ether	1.427	1.404	1.6	109	0.00
12		1,3-Dichlorobenzene	1.544	1.500	2.8	105	0.00
13	C	1,4-Dichlorobenzene	1.556	1.580	-1.5	110	0.00
14		1,2-Dichlorobenzene	1.451	1.406	3.1	105	0.00
15		Benzyl Alcohol	1.228	1.221	0.6	105	0.00
16		2,2'-oxybis(1-Chloropropane	2.158	2.068	4.2	103	0.00
17		2-Methylphenol	1.162	1.151	0.9	106	0.00
18		Hexachloroethane	0.553	0.553	0.0	107	0.00
19	P	n-Nitroso-di-n-propylamine	1.047	1.069	-2.1	112	0.00
20		3+4-Methylphenols	1.471	1.446	1.7	105	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	105	0.00
22		Acetophenone	0.491	0.465	5.3	104	0.00
23	S	Nitrobenzene-d5	0.313	0.357	-14.1	115	0.00
24		Nitrobenzene	0.349	0.385	-10.3	110	0.00
25		Isophorone	0.680	0.655	3.7	105	0.00
26	C	2-Nitrophenol	0.118	0.152	-28.8#	126	0.00
27		2,4-Dimethylphenol	0.249	0.248	0.4	108	0.00
28		bis(2-Chloroethoxy)methane	0.431	0.413	4.2	104	0.00
29	C	2,4-Dichlorophenol	0.282	0.284	-0.7	107	0.00
30		1,2,4-Trichlorobenzene	0.319	0.329	-3.1	110	0.00
31		Naphthalene	1.054	1.014	3.8	104	0.00
32		Benzoic acid	0.178	0.216	-21.3	127	0.00
33		4-Chloroaniline	0.381	0.374	1.8	107	0.00
34	C	Hexachlorobutadiene	0.188	0.184	2.1	106	0.00
35		Caprolactam	0.096	0.096	0.0	107	0.00
36	C	4-Chloro-3-methylphenol	0.313	0.334	-6.7	113	0.00
37		2-Methylnaphthalene	0.674	0.646	4.2	105	0.00
38		1-Methylnaphthalene	0.663	0.629	5.1	104	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	106	0.00
40		1,2,4,5-Tetrachlorobenzene	0.550	0.530	3.6	105	0.00
41	P	Hexachlorocyclopentadiene	0.182	0.185	-1.6	105	0.00
42	S	2,4,6-Tribromophenol	0.194	0.201	-3.6	108	0.00
43	C	2,4,6-Trichlorophenol	0.366	0.368	-0.5	107	0.00
44		2,4,5-Trichlorophenol	0.375	0.381	-1.6	106	0.00
45	S	2-Fluorobiphenyl	1.255	1.174	6.5	106	0.00
46		1,1'-Biphenyl	1.531	1.452	5.2	104	0.00
47		2-Chloronaphthalene	1.188	1.141	4.0	106	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140978.D
Acq On : 26 Dec 2024 19:52
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Quant Time: Dec 27 00:40:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.259	0.332	-28.2#	122	0.00
49	Acenaphthylene	1.710	1.636	4.3	104	0.00
50	Dimethylphthalate	1.316	1.264	4.0	104	0.00
51	2,6-Dinitrotoluene	0.231	0.281	-21.6	116	0.00
52 C	Acenaphthene	1.156	1.161	-0.4	110	0.00
53	3-Nitroaniline	0.255	0.307	-20.4	115	0.00
54 P	2,4-Dinitrophenol	0.075	0.094	-25.3#	138	0.00
55	Dibenzofuran	1.624	1.556	4.2	105	0.00
56 P	4-Nitrophenol	0.225	0.273	-21.3	126	0.00
57	2,4-Dinitrotoluene	0.273	0.362	-32.6#	124	0.00
58	Fluorene	1.260	1.186	5.9	105	0.00
59	2,3,4,6-Tetrachlorophenol	0.310	0.323	-4.2	109	0.00
60	Diethylphthalate	1.299	1.254	3.5	105	0.00
61	4-Chlorophenyl-phenylether	0.606	0.575	5.1	105	0.00
62	4-Nitroaniline	0.255	0.299	-17.3	114	0.00
63	Azobenzene	1.363	1.311	3.8	105	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	105	0.00
65	4,6-Dinitro-2-methylphenol	0.067	0.084	-25.4#	132	0.00
66 c	n-Nitrosodiphenylamine	0.630	0.611	3.0	106	0.00
67	4-Bromophenyl-phenylether	0.216	0.212	1.9	104	0.00
68	Hexachlorobenzene	0.238	0.232	2.5	105	0.00
69	Atrazine	0.176	0.158	10.2	106	0.00
70 C	Pentachlorophenol	0.148	0.170	-14.9	115	0.00
71	Phenanthrene	1.053	1.010	4.1	105	0.00
72	Anthracene	1.031	0.988	4.2	104	0.00
73	Carbazole	0.992	0.944	4.8	104	0.00
74	Di-n-butylphthalate	1.128	1.090	3.4	105	0.00
75 C	Fluoranthene	1.142	1.077	5.7	103	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	94	0.00
77	Benzidine	0.423	0.424	-0.2	96	0.00
78	Pyrene	1.749	1.905	-8.9	106	0.00
79 S	Terphenyl-d14	1.204	1.254	-4.2	104	0.00
80	Butylbenzylphthalate	0.639	0.698	-9.2	100	0.00
81	Benzo(a)anthracene	1.394	1.322	5.2	91	0.00
82	3,3'-Dichlorobenzidine	0.419	0.375	10.5	88	0.00
83	Chrysene	1.257	1.247	0.8	97	0.00
84	Bis(2-ethylhexyl)phthalate	0.828	0.843	-1.8	97	0.00
85 c	Di-n-octyl phthalate	1.199	1.178	1.8	93	0.00
86 I	Perylene-d12	1.000	1.000	0.0	102	0.00
87	Indeno(1,2,3-cd)pyrene	1.260	1.394	-10.6	109	0.00
88	Benzo(b)fluoranthene	1.395	1.259	9.7	91	0.00
89	Benzo(k)fluoranthene	1.093	1.108	-1.4	106	0.00
90 C	Benzo(a)pyrene	1.083	1.042	3.8	100	0.00
91	Dibenzo(a,h)anthracene	1.021	1.143	-11.9	109	0.00
92	Benzo(g,h,i)perylene	1.059	1.195	-12.8	108	0.00

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140978.D
Acq On : 26 Dec 2024 19:52
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Quant Time: Dec 27 00:40:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 1

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140978.D
Acq On : 26 Dec 2024 19:52
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Quant Time: Dec 27 00:40:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	106	0.00
2		1,4-Dioxane	40.000	39.078	2.3	104	0.00
3		Pyridine	40.000	39.221	1.9	106	0.00
4		n-Nitrosodimethylamine	40.000	39.126	2.2	103	0.01
5	S	2-Fluorophenol	80.000	77.230	3.5	105	0.00
6		Aniline	40.000	40.214	-0.5	100	-0.02
7	S	Phenol-d6	80.000	77.619	3.0	105	0.00
8		2-Chlorophenol	40.000	45.402	-13.5	121	0.00
9		Benzaldehyde	40.000	42.275	-5.7	107	0.00
10	C	Phenol	40.000	46.698	-16.7	125	0.00
11		bis(2-Chloroethyl)ether	40.000	39.366	1.6	109	0.00
12		1,3-Dichlorobenzene	40.000	38.861	2.8	105	0.00
13	C	1,4-Dichlorobenzene	40.000	40.612	-1.5	110	0.00
14		1,2-Dichlorobenzene	40.000	38.772	3.1	105	0.00
15		Benzyl Alcohol	40.000	39.751	0.6	105	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	38.326	4.2	103	0.00
17		2-Methylphenol	40.000	39.617	1.0	106	0.00
18		Hexachloroethane	40.000	40.027	-0.1	107	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	40.828	-2.1	112	0.00
20		3+4-Methylphenols	40.000	39.323	1.7	105	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	105	0.00
22		Acetophenone	40.000	37.920	5.2	104	0.00
23	S	Nitrobenzene-d5	80.000	91.412	-14.3	115	0.00
24		Nitrobenzene	40.000	44.060	-10.2	110	0.00
25		Isophorone	40.000	38.534	3.7	105	0.00
26	C	2-Nitrophenol	40.000	43.185	-8.0	126	0.00
27		2,4-Dimethylphenol	40.000	39.926	0.2	108	0.00
28		bis(2-Chloroethoxy)methane	40.000	38.323	4.2	104	0.00
29	C	2,4-Dichlorophenol	40.000	40.280	-0.7	107	0.00
30		1,2,4-Trichlorobenzene	40.000	41.204	-3.0	110	0.00
31		Naphthalene	40.000	38.493	3.8	104	0.00
32		Benzoic acid	40.000	43.158	-7.9	127	0.00
33		4-Chloroaniline	40.000	39.203	2.0	107	0.00
34	C	Hexachlorobutadiene	40.000	39.095	2.3	106	0.00
35		Caprolactam	40.000	40.139	-0.3	107	0.00
36	C	4-Chloro-3-methylphenol	40.000	42.714	-6.8	113	0.00
37		2-Methylnaphthalene	40.000	38.340	4.1	105	0.00
38		1-Methylnaphthalene	40.000	37.974	5.1	104	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	106	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	38.527	3.7	105	0.00
41	P	Hexachlorocyclopentadiene	40.000	40.560	-1.4	105	0.00
42	S	2,4,6-Tribromophenol	80.000	82.713	-3.4	108	0.00
43	C	2,4,6-Trichlorophenol	40.000	40.180	-0.4	107	0.00
44		2,4,5-Trichlorophenol	40.000	40.663	-1.7	106	0.00
45	S	2-Fluorobiphenyl	80.000	74.821	6.5	106	0.00
46		1,1'-Biphenyl	40.000	37.916	5.2	104	0.00
47		2-Chloronaphthalene	40.000	38.442	3.9	106	0.00

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140978.D
Acq On : 26 Dec 2024 19:52
Operator : RC/JU
Sample : SSTDICV040
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

Quant Time: Dec 27 00:40:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	43.198	-8.0	122	0.00
49	Acenaphthylene	40.000	38.272	4.3	104	0.00
50	Dimethylphthalate	40.000	38.422	3.9	104	0.00
51	2,6-Dinitrotoluene	40.000	42.386	-6.0	116	0.00
52 C	Acenaphthene	40.000	40.168	-0.4	110	0.00
53	3-Nitroaniline	40.000	42.522	-6.3	115	0.00
54 P	2,4-Dinitrophenol	40.000	45.538	-13.8	138	0.00
55	Dibenzofuran	40.000	38.318	4.2	105	0.00
56 P	4-Nitrophenol	40.000	48.593	-21.5	126	0.00
57	2,4-Dinitrotoluene	40.000	44.506	-11.3	124	0.00
58	Fluorene	40.000	37.668	5.8	105	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	41.681	-4.2	109	0.00
60	Diethylphthalate	40.000	38.629	3.4	105	0.00
61	4-Chlorophenyl-phenylether	40.000	37.928	5.2	105	0.00
62	4-Nitroaniline	40.000	41.571	-3.9	114	0.00
63	Azobenzene	40.000	38.471	3.8	105	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	105	0.00
65	4,6-Dinitro-2-methylphenol	40.000	43.296	-8.2	132	0.00
66 c	n-Nitrosodiphenylamine	40.000	38.777	3.1	106	0.00
67	4-Bromophenyl-phenylether	40.000	39.247	1.9	104	0.00
68	Hexachlorobenzene	40.000	38.890	2.8	105	0.00
69	Atrazine	40.000	35.858	10.4	106	0.00
70 C	Pentachlorophenol	40.000	45.869	-14.7	115	0.00
71	Phenanthrene	40.000	38.373	4.1	105	0.00
72	Anthracene	40.000	38.325	4.2	104	0.00
73	Carbazole	40.000	38.096	4.8	104	0.00
74	Di-n-butylphthalate	40.000	38.673	3.3	105	0.00
75 C	Fluoranthene	40.000	37.724	5.7	103	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	94	0.00
77	Benzidine	40.000	40.101	-0.3	96	0.00
78	Pyrene	40.000	43.575	-8.9	106	0.00
79 S	Terphenyl-d14	80.000	83.347	-4.2	104	0.00
80	Butylbenzylphthalate	40.000	43.715	-9.3	100	0.00
81	Benzo(a)anthracene	40.000	37.941	5.1	91	0.00
82	3,3'-Dichlorobenzidine	40.000	35.805	10.5	88	0.00
83	Chrysene	40.000	39.695	0.8	97	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	40.713	-1.8	97	0.00
85 c	Di-n-octyl phthalate	40.000	39.285	1.8	93	0.00
86 I	Perylene-d12	20.000	20.000	0.0	102	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	44.255	-10.6	109	0.00
88	Benzo(b)fluoranthene	40.000	36.115	9.7	91	0.00
89	Benzo(k)fluoranthene	40.000	40.555	-1.4	106	0.00
90 C	Benzo(a)pyrene	40.000	38.510	3.7	100	0.00
91	Dibenzo(a,h)anthracene	40.000	44.756	-11.9	109	0.00
92	Benzo(g,h,i)perylene	40.000	45.122	-12.8	108	0.00

ICAL Form

```
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140978.D
Acq On    : 26 Dec 2024  19:52
Operator  : RC/JU
Sample    : SSTDICV040
Misc      :
ALS Vial  : 10   Sample Multiplier: 1

Quant Time: Dec 27 00:40:05 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration


Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  25%     Max. Rel. Area : 150%

       Compound                      Amount  Calc.     %Dev Area% Dev(min)
--------------------------------------------------------------------------

  (#) = Out of Range               SPCC's out = 0  CCC's out = 0
```

Instrument :
BNA_F
ClientSampleId :
ICVBF122624

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM Case No.: P5362 SAS No.: P5362 SDG No.: P5362

Instrument ID: BNA_F Calibration Date/Time: 12/27/2024 08:19

Lab File ID: BF140981.D Init. Calib. Date(s): 12/26/2024 12/26/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 16:23 19:25

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.327	1.248		-6.0	
Benzaldehyde	0.941	0.832		-11.6	
Phenol-d6	1.709	1.608		-5.9	
Phenol	1.767	1.695		-4.1	20.0
bis(2-Chloroethyl)ether	1.427	1.310		-8.2	
2-Chlorophenol	1.399	1.344		-3.9	
2-Methylphenol	1.162	1.107		-4.7	
2,2-oxybis(1-Chloropropane)	2.158	2.034		-5.7	
Acetophenone	0.491	0.468		-4.7	
3+4-Methylphenols	1.471	1.384		-5.9	
n-Nitroso-di-n-propylamine	1.047	0.964	0.050	-7.9	
Nitrobenzene-d5	0.313	0.342		9.3	
Hexachloroethane	0.553	0.535		-3.3	
Nitrobenzene	0.349	0.377		8.0	
Isophorone	0.680	0.650		-4.4	
2-Nitrophenol	0.118	0.139		17.8	20.0
2,4-Dimethylphenol	0.249	0.240		-3.6	
bis(2-Chloroethoxy)methane	0.431	0.413		-4.2	
2,4-Dichlorophenol	0.282	0.280		-0.7	20.0
Naphthalene	1.054	1.008		-4.4	
4-Chloroaniline	0.381	0.367		-3.7	
Hexachlorobutadiene	0.188	0.184		-2.1	20.0
Caprolactam	0.096	0.093		-3.1	
4-Chloro-3-methylphenol	0.313	0.302		-3.5	20.0
2-Methylnaphthalene	0.674	0.645		-4.3	
Hexachlorocyclopentadiene	0.182	0.185	0.050	1.6	
2,4,6-Trichlorophenol	0.366	0.367		0.3	20.0
2-Fluorobiphenyl	1.255	1.200		-4.4	
2,4,5-Trichlorophenol	0.375	0.390		4.0	
1,1-Biphenyl	1.531	1.500		-2.0	
2-Chloronaphthalene	1.188	1.164		-2.0	
2-Nitroaniline	0.259	0.318		22.8	
Dimethylphthalate	1.316	1.287		-2.2	
Acenaphthylene	1.710	1.661		-2.9	
2,6-Dinitrotoluene	0.231	0.282		22.1	
3-Nitroaniline	0.255	0.307		20.4	
Acenaphthene	1.156	1.131		-2.2	20.0
2,4-Dinitrophenol	0.075	0.081	0.050	8.0	
4-Nitrophenol	0.225	0.246	0.050	9.3	

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM Case No.: P5362 SAS No.: P5362 SDG No.: P5362

Instrument ID: BNA_F Calibration Date/Time: 12/27/2024 08:19

Lab File ID: BF140981.D Init. Calib. Date(s): 12/26/2024 12/26/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 16:23 19:25

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.624	1.579		-2.8	
2,4-Dinitrotoluene	0.273	0.349		27.8	
Diethylphthalate	1.299	1.273		-2.0	
4-Chlorophenyl-phenylether	0.606	0.589		-2.8	
Fluorene	1.260	1.205		-4.4	
4-Nitroaniline	0.255	0.301		18.0	
4,6-Dinitro-2-methylphenol	0.067	0.078		16.4	
n-Nitrosodiphenylamine	0.630	0.604		-4.1	20.0
2,4,6-Tribromophenol	0.194	0.203		4.6	
4-Bromophenyl-phenylether	0.216	0.213		-1.4	
Hexachlorobenzene	0.238	0.231		-2.9	
Atrazine	0.176	0.158		-10.2	
Pentachlorophenol	0.148	0.156		5.4	20.0
Phenanthrene	1.053	1.012		-3.9	
Anthracene	1.031	0.998		-3.2	
Carbazole	0.992	0.957		-3.5	
Di-n-butylphthalate	1.128	1.084		-3.9	
Fluoranthene	1.142	1.094		-4.2	20.0
Pyrene	1.749	1.714		-2.0	
Terphenyl-d14	1.204	1.177		-2.2	
Butylbenzylphthalate	0.639	0.647		1.3	
3,3-Dichlorobenzidine	0.419	0.388		-7.4	
Benzo(a)anthracene	1.394	1.358		-2.6	
Chrysene	1.257	1.198		-4.7	
Bis(2-ethylhexyl)phthalate	0.828	0.833		0.6	
Di-n-octyl phthalate	1.199	1.183		-1.3	20.0
Benzo(b)fluoranthene	1.395	1.305		-6.5	
Benzo(k)fluoranthene	1.093	1.133		3.7	
Benzo(a)pyrene	1.083	1.046		-3.4	20.0
Indeno(1,2,3-cd)pyrene	1.260	1.328		5.4	
Dibenzo(a,h)anthracene	1.021	1.093		7.1	
Benzo(g,h,i)perylene	1.059	1.145		8.1	
1,2,4,5-Tetrachlorobenzene	0.550	0.543		-1.3	
1,4-Dioxane	0.601	0.591		-1.7	20.0
2,3,4,6-Tetrachlorophenol	0.310	0.318		2.6	

All other compounds must meet a minimum RRF of 0.010.

Sample Results: **BF140981.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140981.D
Acq On : 27 Dec 2024 08:19
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Reviewed By :Yogesh Patel
12/30/2024
Supervised By :mohammad ahmed
12/30/2024

Quant Time: Dec 27 10:37:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	6.828	152	281239	20.000 ng	0.00
21) Naphthalene-d8	8.110	136	1080103	20.000 ng	0.00
39) Acenaphthene-d10	9.863	164	567563	20.000 ng	0.00
64) Phenanthrene-d10	11.345	188	1005111	20.000 ng	0.00
76) Chrysene-d12	13.986	240	657302	20.000 ng	0.00
86) Perylene-d12	15.439	264	544134	20.000 ng	0.00
System Monitoring Compounds					
5) 2-Fluorophenol	5.434	112	1403403	75.219 ng	0.00
7) Phenol-d6	6.451	99	1808462	75.243 ng	0.00
23) Nitrobenzene-d5	7.393	82	1477510	87.518 ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	461893	83.751 ng	0.00
45) 2-Fluorobiphenyl	9.187	172	2724506	76.481 ng	0.00
79) Terphenyl-d14	12.933	244	3094810	78.206 ng	0.00
Target Compounds					Qvalue
2) 1,4-Dioxane	2.558	88	332243	39.333 ng	99
3) Pyridine	3.299	79	808267	39.155 ng	100
4) n-Nitrosodimethylamine	3.246	42	406238	38.840 ng	98
6) Aniline	6.493	93	869338	40.556 ng	100
8) 2-Chlorophenol	6.610	128	755726	38.419 ng	99
9) Benzaldehyde	6.375	77	468157	39.803 ng	100
10) Phenol	6.463	94	953139m	38.352 ng	
11) bis(2-Chloroethyl)ether	6.563	93	736833	36.719 ng	100
12) 1,3-Dichlorobenzene	6.769	146	831597	38.307 ng	99
13) 1,4-Dichlorobenzene	6.846	146	839774	38.373 ng	100
14) 1,2-Dichlorobenzene	6.998	146	779577	38.206 ng	100
15) Benzyl Alcohol	6.969	79	651382	37.714 ng	99
16) 2,2'-oxybis(1-Chloropr...	7.104	45	1144166	37.702 ng	99
17) 2-Methylphenol	7.075	107	622852	38.114 ng	100
18) Hexachloroethane	7.346	117	300838	38.697 ng	99
19) n-Nitroso-di-n-propyla...	7.246	70	542447	36.840 ng	99
20) 3+4-Methylphenols	7.228	107	778437	37.641 ng	98
22) Acetophenone	7.240	105	1009919	38.115 ng	100
24) Nitrobenzene	7.410	77	814834	43.194 ng	99
25) Isophorone	7.651	82	1404163	38.222 ng	100
26) 2-Nitrophenol	7.728	139	300169	39.841 ng	100
27) 2,4-Dimethylphenol	7.757	122	517880	38.572 ng	99
28) bis(2-Chloroethoxy)met...	7.863	93	891140	38.286 ng	100
29) 2,4-Dichlorophenol	7.963	162	605445	39.760 ng	99
30) 1,2,4-Trichlorobenzene	8.051	180	678684	39.378 ng	99
31) Naphthalene	8.134	128	2177764	38.264 ng	100
32) Benzoic acid	7.863	122	410627	38.901 ng	98
33) 4-Chloroaniline	8.181	127	793481	38.537 ng	100
34) Hexachlorobutadiene	8.251	225	396700	39.043 ng	99
35) Caprolactam	8.545	113	200684m	38.767 ng	
36) 4-Chloro-3-methylphenol	8.651	107	652584	38.590 ng	100
37) 2-Methylnaphthalene	8.822	142	1394232	38.292 ng	100
38) 1-Methylnaphthalene	8.922	142	1351886	37.780 ng	98
40) 1,2,4,5-Tetrachloroben...	8.987	216	616591	39.489 ng	100
41) Hexachlorocyclopentadiene	8.975	237	209800	40.546 ng	99
43) 2,4,6-Trichlorophenol	9.092	196	416089	40.039 ng	99

Quantitation Report (QT Reviewed)

Sample Results: **BF140981.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140981.D
Acq On : 27 Dec 2024 08:19
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel

Quant Time: Dec 27 10:37:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

12/30/2024
Supervised By :mohammad ahmed
12/30/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.128	196	443044	41.666	ng		99
46) 1,1'-Biphenyl	9.287	154	1702421	39.174	ng		100
47) 2-Chloronaphthalene	9.310	162	1321020	39.194	ng		99
48) 2-Nitroaniline	9.404	65	360451	41.569	ng		94
49) Acenaphthylene	9.728	152	1885326	38.857	ng		100
50) Dimethylphthalate	9.587	163	1460417	39.119	ng		100
51) 2,6-Dinitrotoluene	9.645	165	320670	42.567	ng		99
52) Acenaphthene	9.898	154	1283578	39.132	ng		99
53) 3-Nitroaniline	9.810	138	347925	42.429	ng	#	97
54) 2,4-Dinitrophenol	9.916	184	92421	41.265	ng	#	1
55) Dibenzofuran	10.069	168	1792488	38.885	ng		99
56) 4-Nitrophenol	9.957	139	279388	43.750	ng		98
57) 2,4-Dinitrotoluene	10.045	165	395699	42.991	ng		99
58) Fluorene	10.410	166	1367597	38.258	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.181	232	360917	40.984	ng		99
60) Diethylphthalate	10.287	149	1445371	39.217	ng		100
61) 4-Chlorophenyl-phenyle...	10.404	204	668455	38.863	ng		99
62) 4-Nitroaniline	10.422	138	341655	41.772	ng		98
63) Azobenzene	10.563	77	1505715	38.923	ng		100
65) 4,6-Dinitro-2-methylph...	10.451	198	156404	40.775	ng		100
66) n-Nitrosodiphenylamine	10.522	169	1214814	38.382	ng		99
67) 4-Bromophenyl-phenylether	10.892	248	427604	39.355	ng		100
68) Hexachlorobenzene	10.957	284	463413	38.679	ng		99
69) Atrazine	11.045	200	317211	35.875	ng		99
70) Pentachlorophenol	11.145	266	312726	41.924	ng		99
71) Phenanthrene	11.375	178	2034845	38.466	ng		100
72) Anthracene	11.422	178	2006587	38.711	ng		100
73) Carbazole	11.575	167	1924312	38.617	ng		100
74) Di-n-butylphthalate	11.916	149	2179635	38.457	ng		100
75) Fluoranthene	12.557	202	2199143	38.330	ng		100
77) Benzidine	12.680	184	652981	47.006	ng		100
78) Pyrene	12.786	202	2253664	39.204	ng		100
80) Butylbenzylphthalate	13.416	149	850382	40.511	ng		99
81) Benzo(a)anthracene	13.975	228	1784876	38.963	ng		100
82) 3,3'-Dichlorobenzidine	13.939	252	509758	37.037	ng		99
83) Chrysene	14.016	228	1575097	38.141	ng		100
84) Bis(2-ethylhexyl)phtha...	13.975	149	1095405	40.230	ng		100
85) Di-n-octyl phthalate	14.592	149	1555182	39.462	ng		99
87) Indeno(1,2,3-cd)pyrene	16.892	276	1445260	42.158	ng		100
88) Benzo(b)fluoranthene	15.016	252	1420323	37.426	ng		100
89) Benzo(k)fluoranthene	15.051	252	1233502	41.471	ng		99
90) Benzo(a)pyrene	15.380	252	1138486	38.650	ng		99
91) Dibenzo(a,h)anthracene	16.910	278	1189450	42.803	ng		100
92) Benzo(g,h,i)perylene	17.327	276	1245650	43.218	ng		99

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

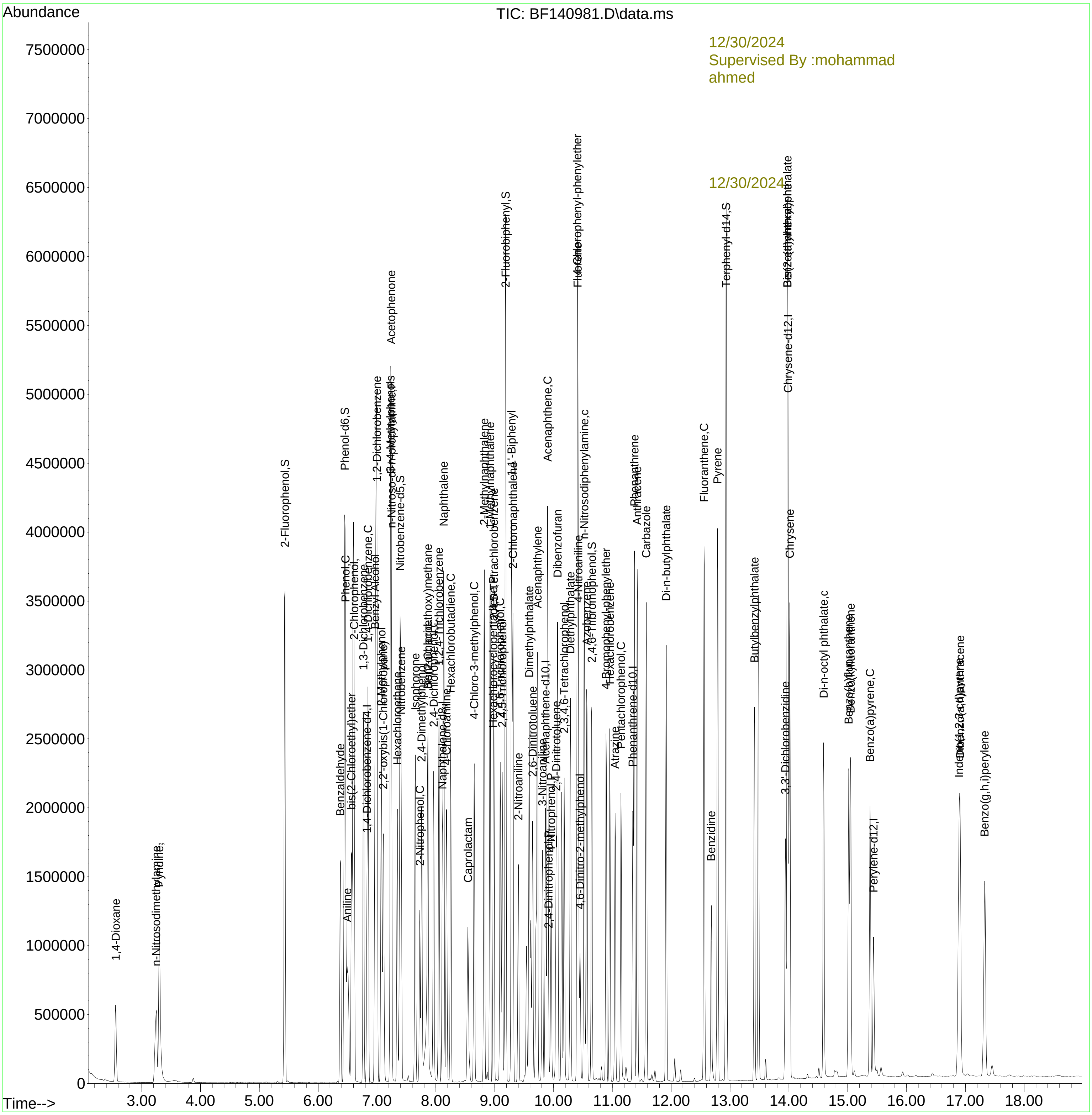
Sample Results: **BF140981.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140981.D
Acq On : 27 Dec 2024 08:19
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Dec 27 10:37:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Reviewed By :Yogesh Patel



Sample Results: **BF140981.D**

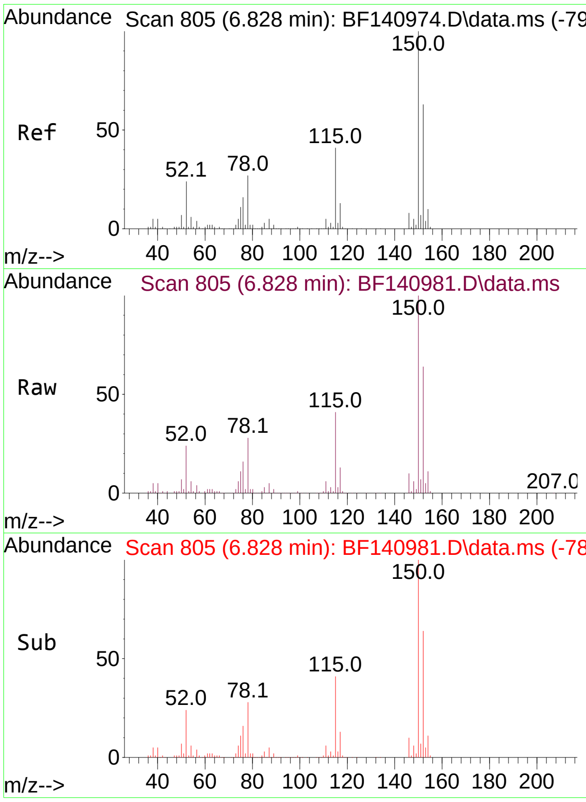
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel

12/30/2024
Supervised By :mohammad ahmed

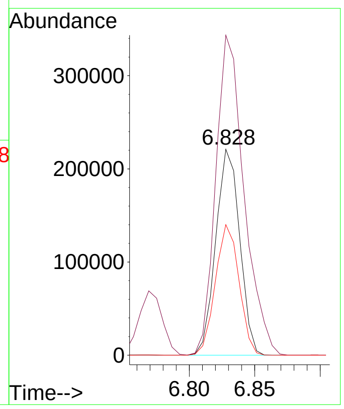
12/30/2024

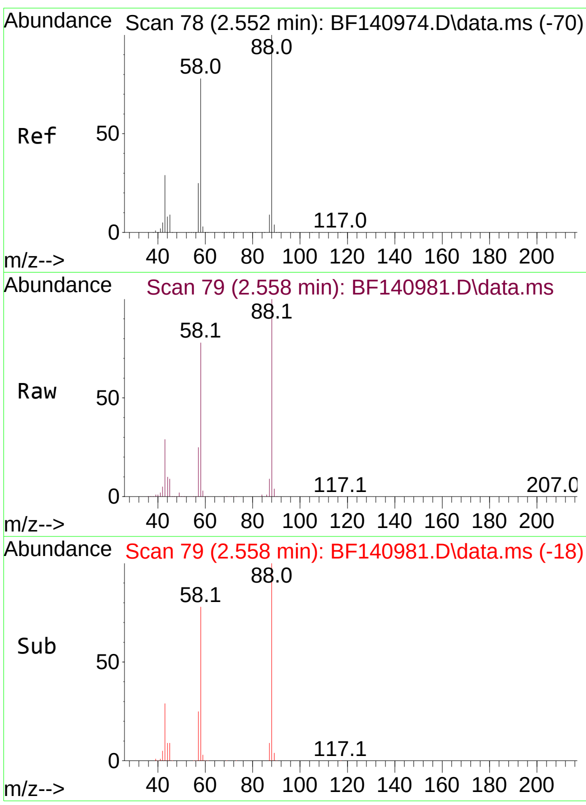


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion:152 Resp: 28123

Ion	Ratio	Lower	Upper
152	100		
150	155.3	127.0	190.6
115	63.4	51.7	77.5

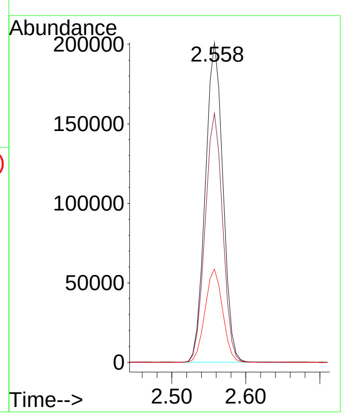


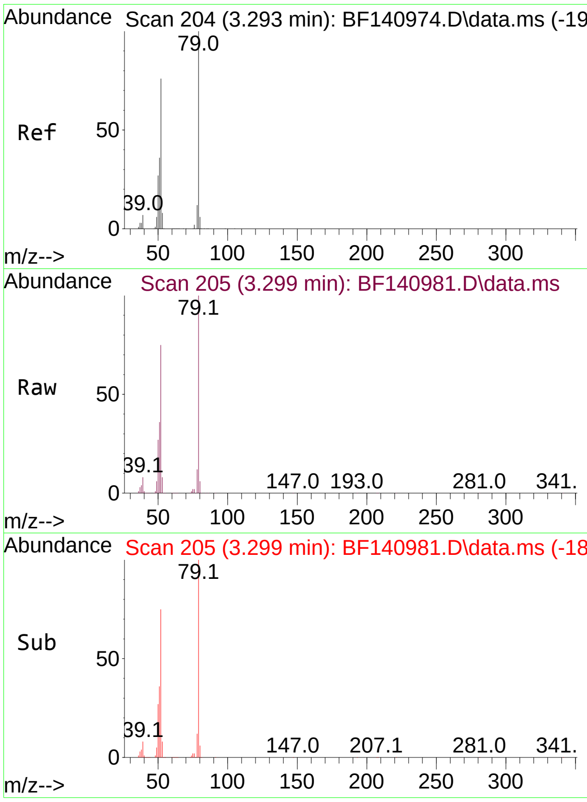


#2
1,4-Dioxane
Concen: 39.333 ng
RT: 2.558 min Scan# 79
Delta R.T. 0.006 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion: 88 Resp: 332243

Ion	Ratio	Lower	Upper
88	100		
58	77.8	63.0	94.4
43	29.1	23.4	35.2

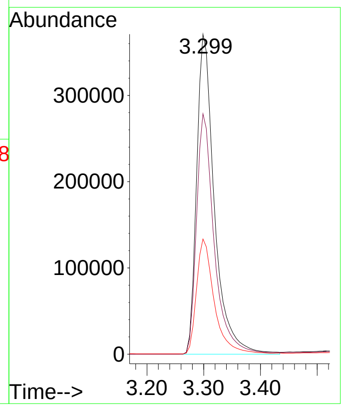




#3
Pyridine
Concen: 39.155 ng
RT: 3.299 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion: 79 Resp: 80826

Ion	Ratio	Lower	Upper
79	100		
52	75.2	60.4	90.6
51	36.0	28.8	43.2



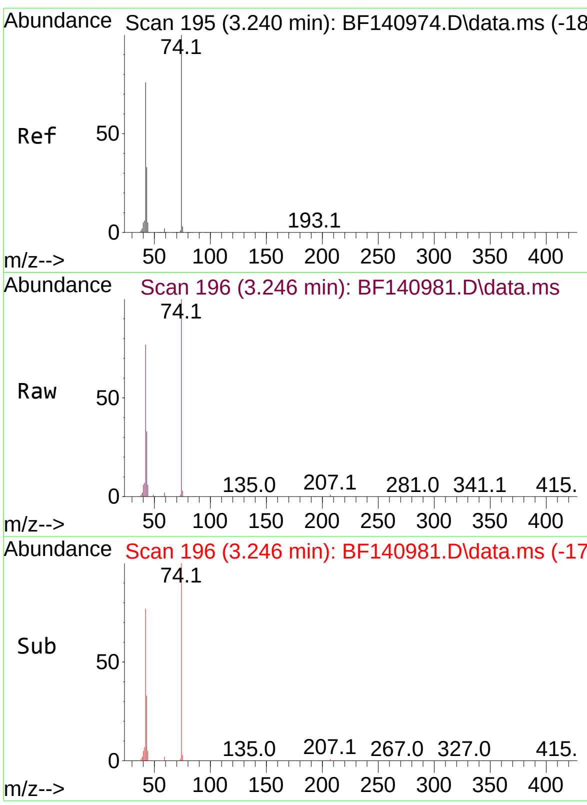
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel

12/30/2024
Supervised By :mohammad ahmed

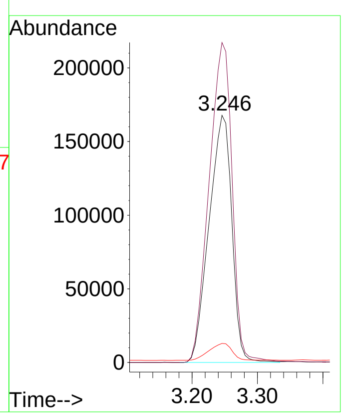
12/30/2024

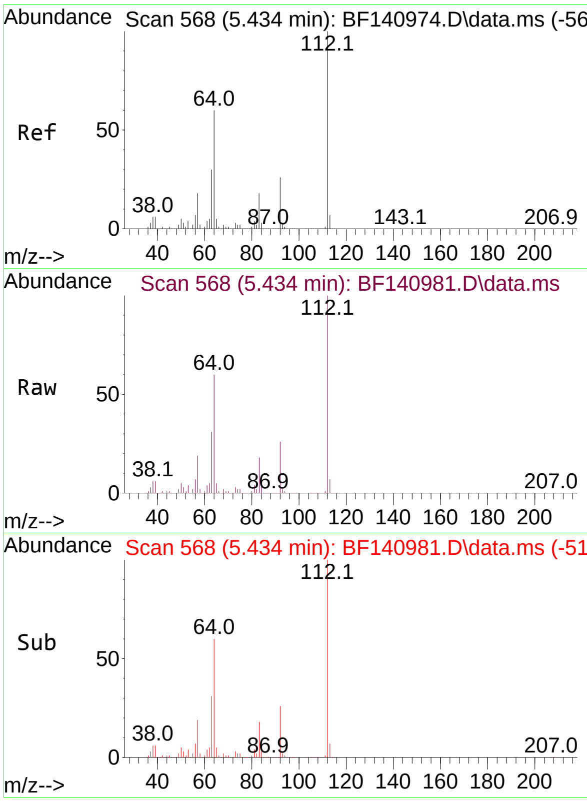


#4
n-Nitrosodimethylamine
Concen: 38.840 ng
RT: 3.246 min Scan# 196
Delta R.T. 0.006 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion: 42 Resp: 406238

Ion	Ratio	Lower	Upper
42	100		
74	129.5	105.8	158.6
44	7.7	6.6	10.0

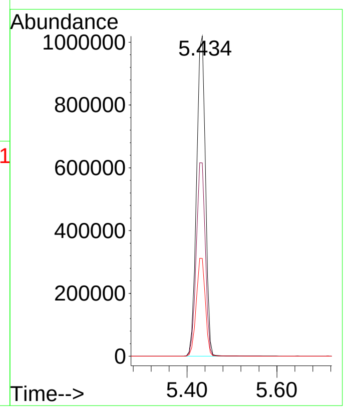




#5
2-Fluorophenol
Concen: 75.219 ng
RT: 5.434 min Scan# 5(
Delta R.T. 0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion:112 Resp: 140340

Ion	Ratio	Lower	Upper
112	100		
64	60.4	47.7	71.5
63	30.6	24.2	36.2

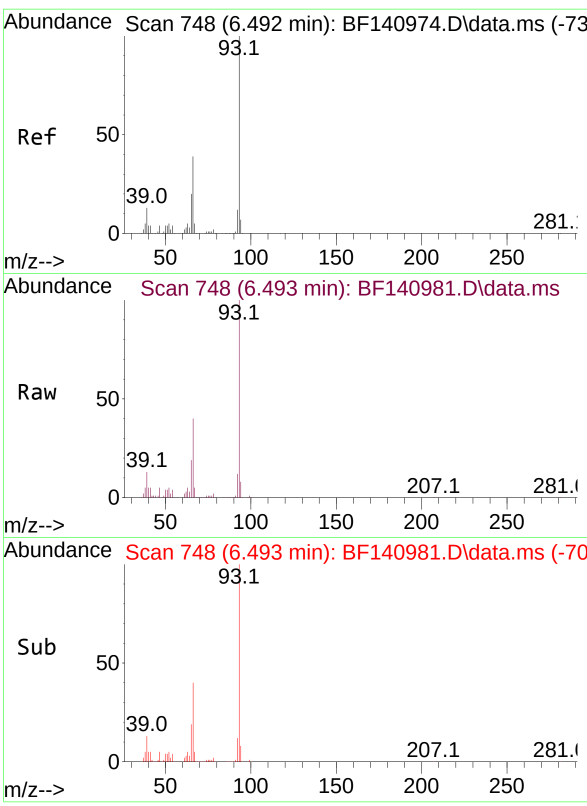


Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Reviewed By :Yogesh Patel

12/30/2024
Supervised By :mohammad ahmed

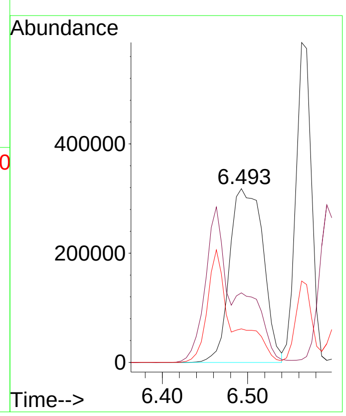
12/30/2024

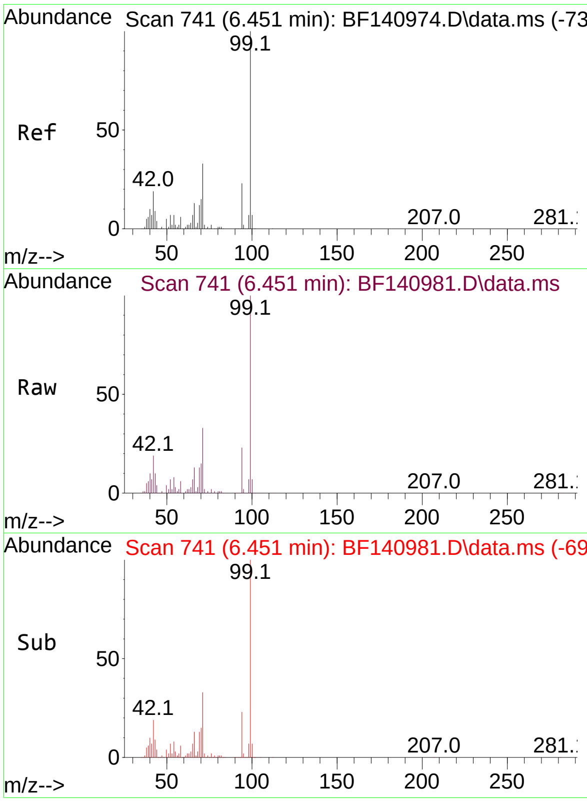


#6
Aniline
Concen: 40.556 ng
RT: 6.493 min Scan# 748
Delta R.T. -0.018 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion: 93 Resp: 869338

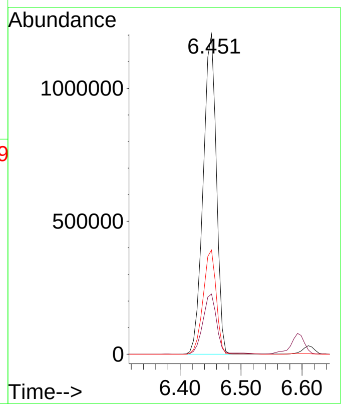
Ion	Ratio	Lower	Upper
93	100		
66	40.1	31.8	47.8
65	19.3	15.4	23.0






```
#7
Phenol-d6
Concen:   75.243 ng
RT:   6.451 min   Scan# 74
Delta R.T.   0.000 min
Lab File:    BF140981.D
Acq: 27 Dec 2024  08:19

Tgt Ion: 99 Resp: 180846
Ion   Ratio   Lower   Upper
 99   100
 42    18.8    15.0    22.4
 71    32.5    26.2    39.2
```



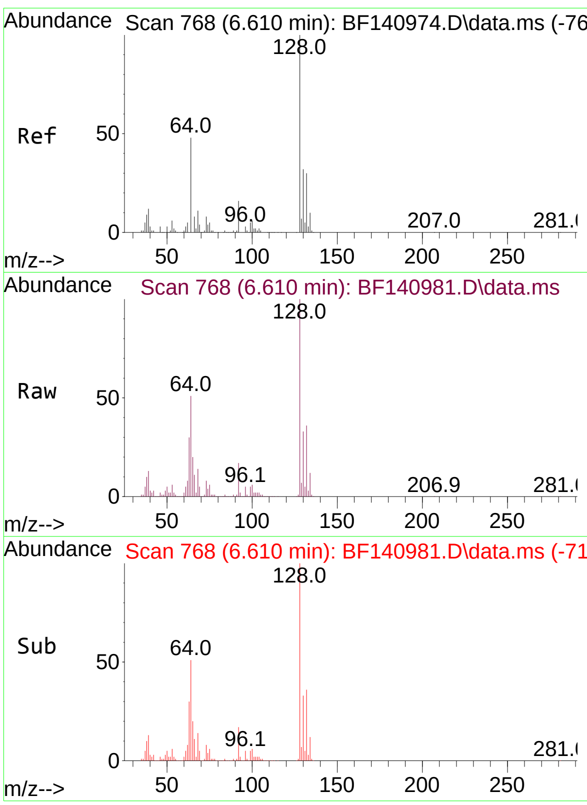
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel

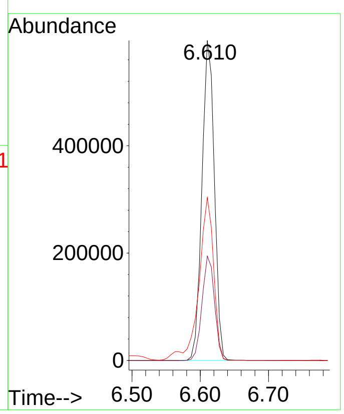
12/30/2024
Supervised By :mohammad ahmed

12/30/2024




```
#8
2-Chlorophenol
Concen:   38.419 ng
RT:   6.610 min   Scan# 768
Delta R.T.   0.000 min
Lab File:    BF140981.D
Acq: 27 Dec 2024  08:19

Tgt Ion:128 Resp:   755726
Ion   Ratio   Lower   Upper
128   100
130    32.6    12.2    52.2
 64    50.9    30.3    70.3
```



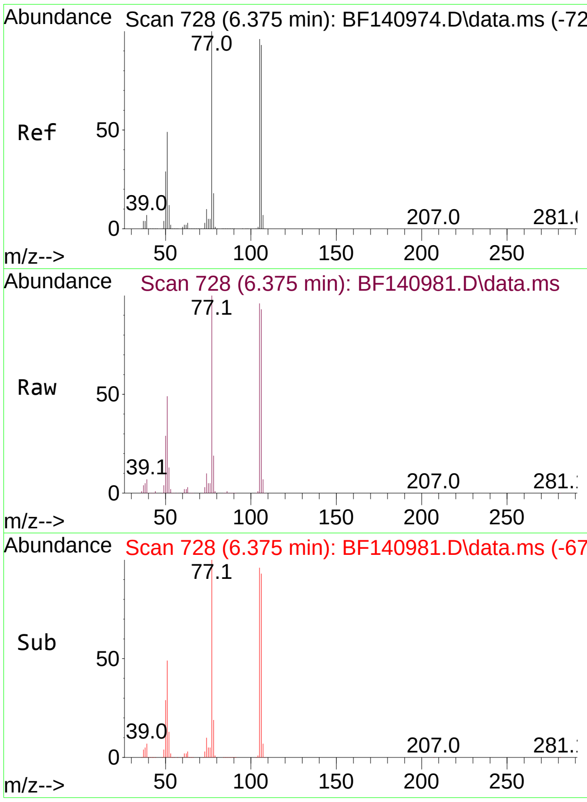
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel

12/30/2024
Supervised By :mohammad ahmed

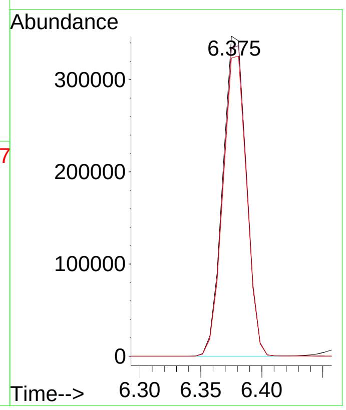
12/30/2024

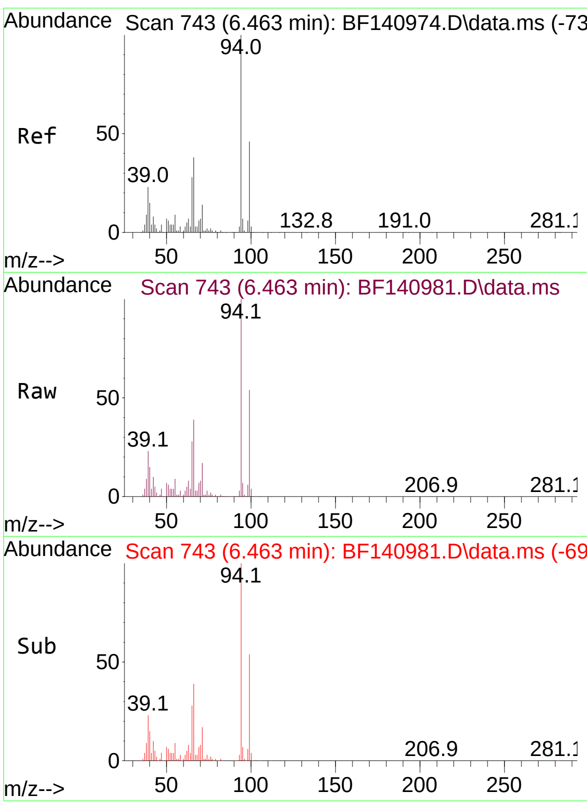


#9
Benzaldehyde
Concen: 39.803 ng
RT: 6.375 min Scan# 7
Delta R.T. 0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion: 77 Resp: 46815

Ion	Ratio	Lower	Upper
77	100		
105	96.2	76.2	116.2
106	93.1	73.4	113.4

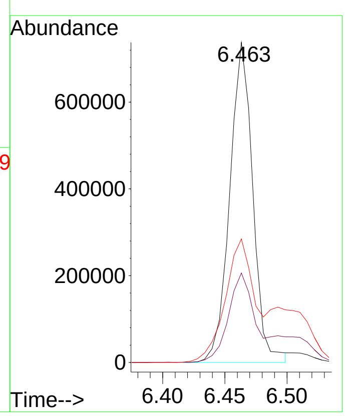




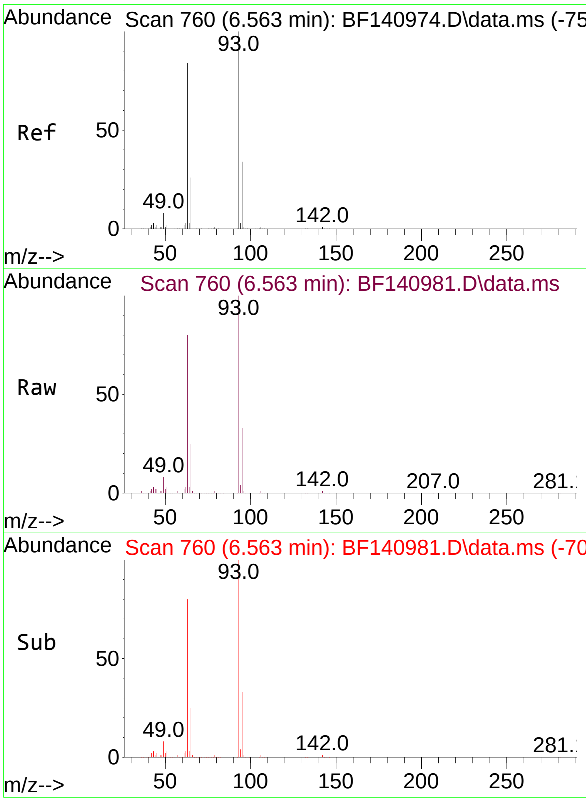
#10
Phenol
Concen: 38.352 ng m
RT: 6.463 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion: 94 Resp: 953139

Ion	Ratio	Lower	Upper
94	100		
65	28.0	8.1	48.1
66	38.6	18.7	58.7



Sample Results: **BF140981.D**



#11
bis(2-Chloroethyl)ether
Concen: 36.719 ng
RT: 6.563 min Scan# 7(
Delta R.T. 0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion: 93 Resp: 73683

Ion	Ratio	Lower	Upper
93	100		
63	80.0	60.3	100.3
95	32.7	12.2	52.2

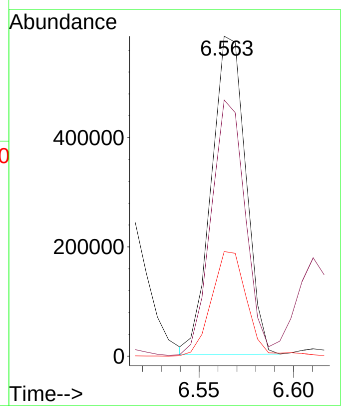
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

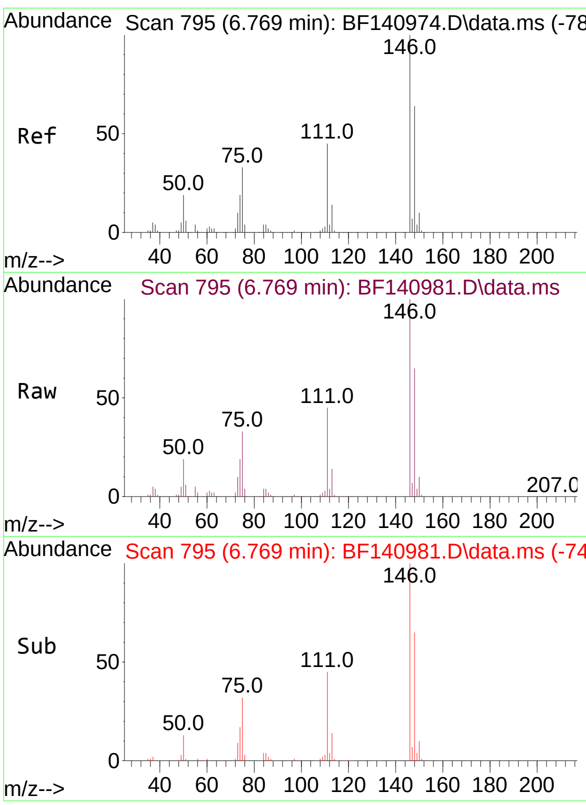
Manual Integrations APPROVED

Reviewed By :Yogesh Patel

12/30/2024
Supervised By :mohammad ahmed

12/30/2024

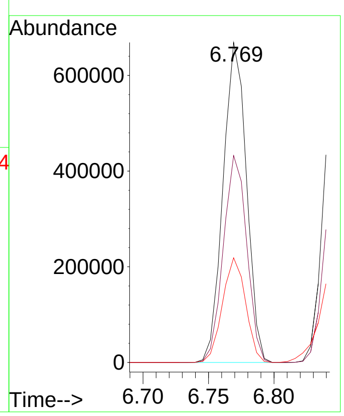


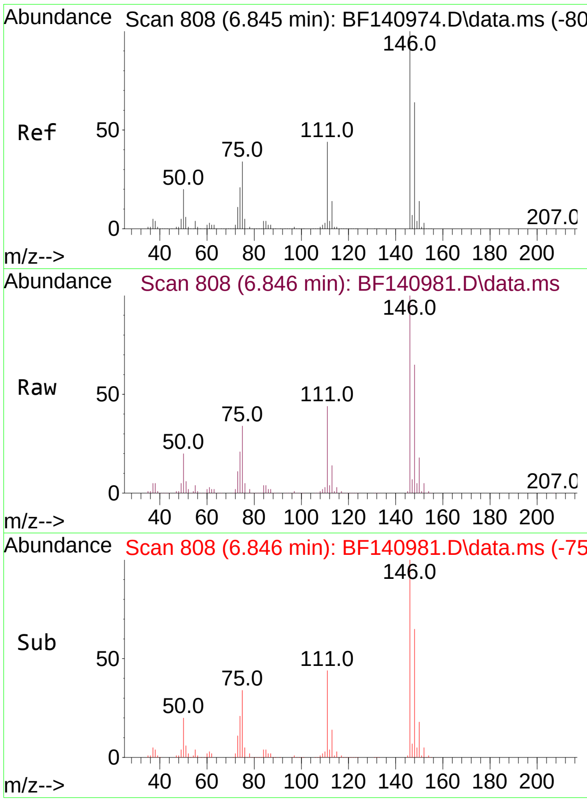


#12
1,3-Dichlorobenzene
Concen: 38.307 ng
RT: 6.769 min Scan# 795
Delta R.T. 0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion:146 Resp: 831597

Ion	Ratio	Lower	Upper
146	100		
148	64.6	51.0	76.4
75	32.7	26.1	39.1

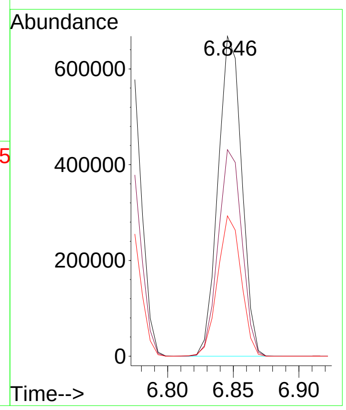




#13
1,4-Dichlorobenzene
Concen: 38.373 ng
RT: 6.846 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion:146 Resp: 83977

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.3	76.9
111	43.9	35.3	52.9



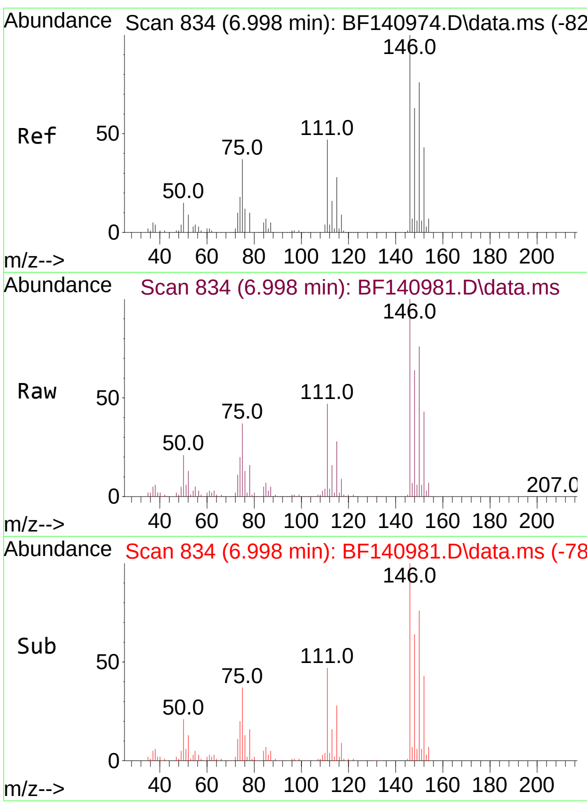
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel

12/30/2024
Supervised By :mohammad ahmed

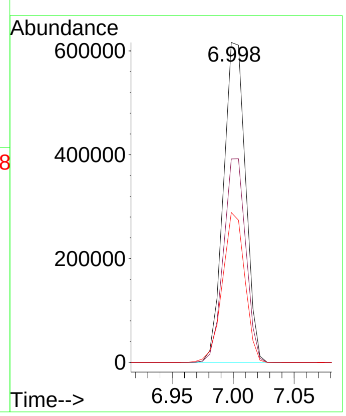
12/30/2024

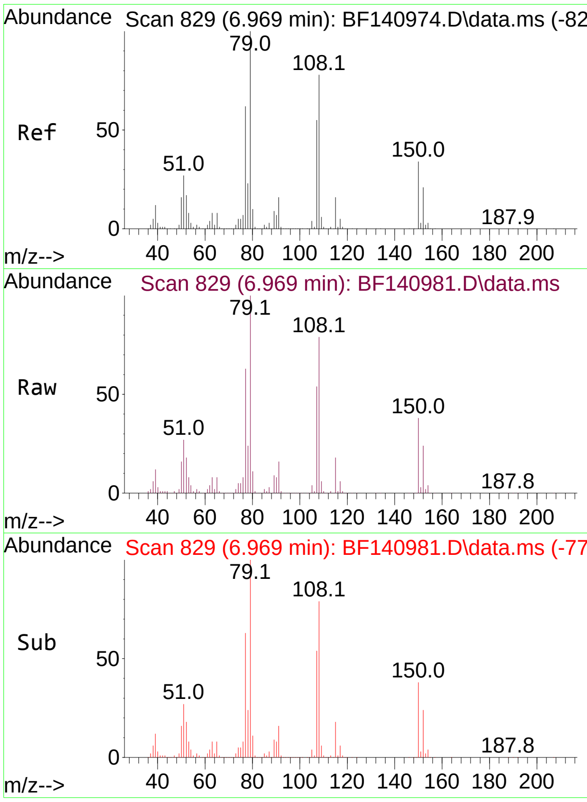


#14
1,2-Dichlorobenzene
Concen: 38.206 ng
RT: 6.998 min Scan# 834
Delta R.T. 0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion:146 Resp: 779577

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.6	76.0
111	46.9	37.3	55.9





#15
Benzyl Alcohol
Concen: 37.714 ng
RT: 6.969 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion: 79 Resp: 65138

Ion	Ratio	Lower	Upper
79	100		
108	78.5	62.5	93.7
77	63.0	49.3	73.9

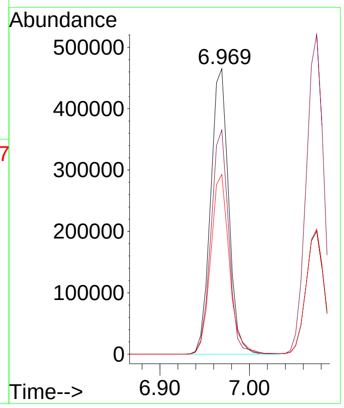
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

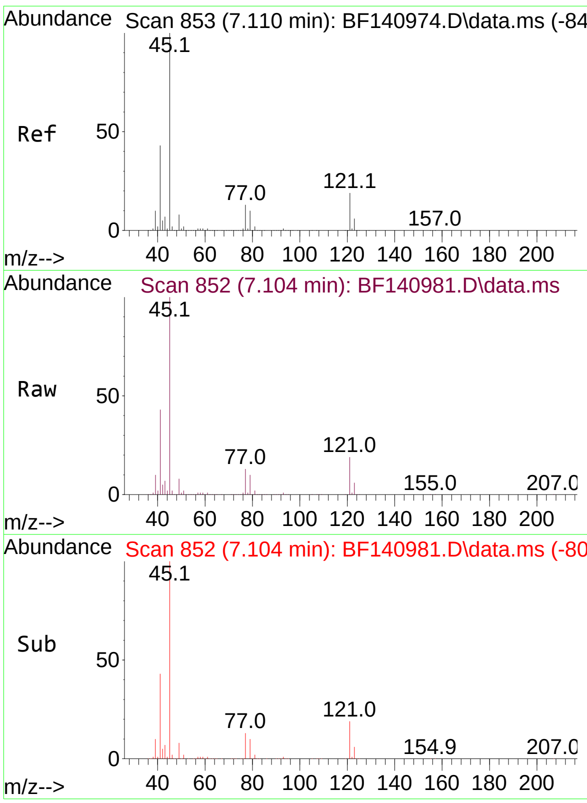
Manual Integrations APPROVED

Reviewed By :Yogesh Patel

12/30/2024
Supervised By :mohammad ahmed

12/30/2024

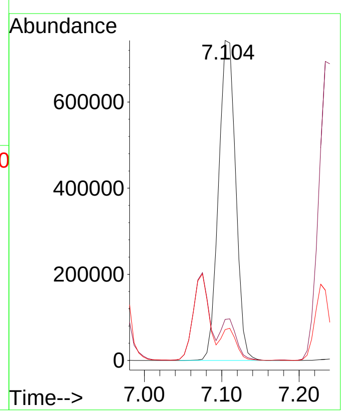




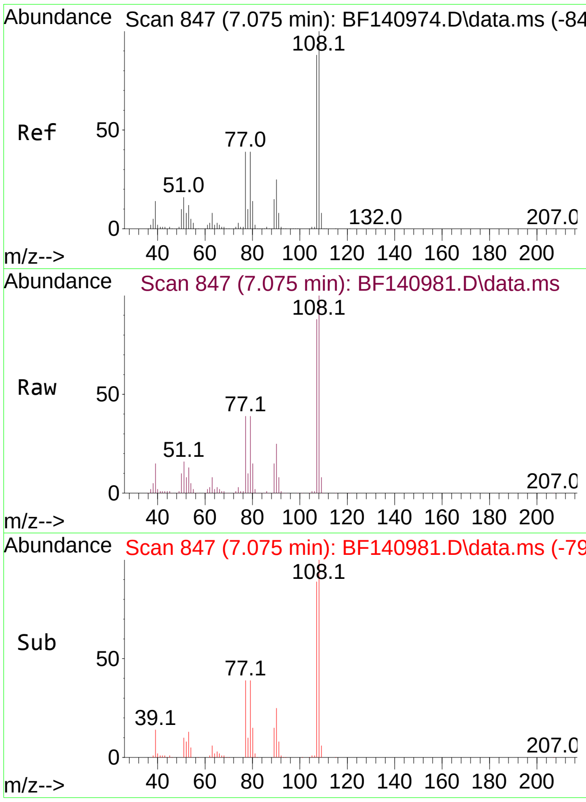
#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.702 ng
RT: 7.104 min Scan# 852
Delta R.T. -0.006 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion: 45 Resp: 1144166

Ion	Ratio	Lower	Upper
45	100		
77	12.8	0.0	33.1
79	9.7	0.0	30.1



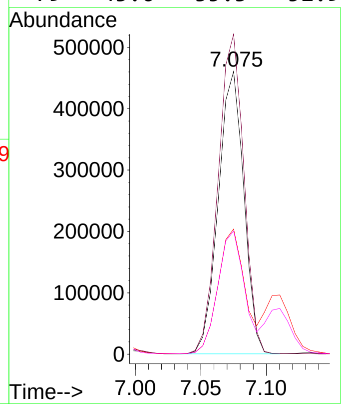
Sample Results: **BF140981.D**



#17
2-Methylphenol
Concen: 38.114 ng
RT: 7.075 min   Scan# 84
Delta R.T.   0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024   08:19

Tgt Ion:107 Resp: 62285

Ion	Ratio	Lower	Upper
107	100		
108	113.2	90.6	136.0
77	44.3	35.3	52.9
79	43.6	35.3	52.9



Instrument :
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ClientSampleId :
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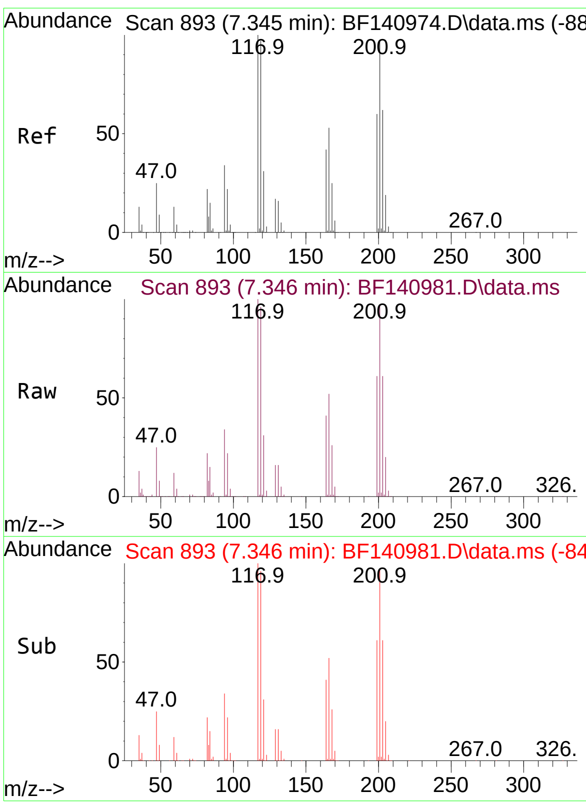
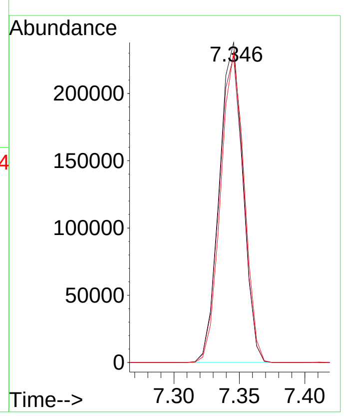
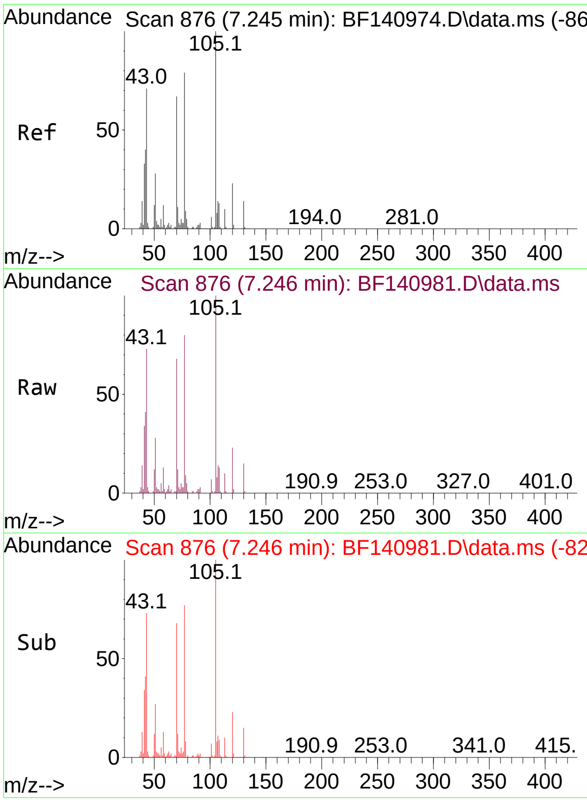


#18
Hexachloroethane
Concen: 38.697 ng
RT: 7.346 min   Scan# 893
Delta R.T.   0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024   08:19

Tgt Ion:117 Resp: 300838

Ion	Ratio	Lower	Upper
117	100		
119	95.7	77.5	116.3
201	97.0	77.4	116.2

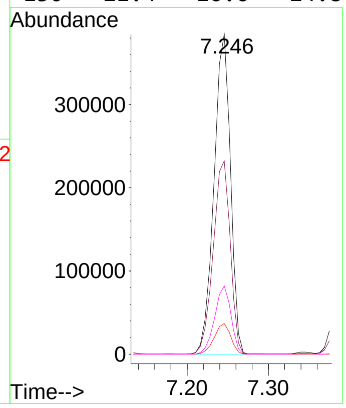




#19
n-Nitroso-di-n-propylamine
Concen: 36.840 ng
RT: 7.246 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion: 70 Resp: 54244

Ion	Ratio	Lower	Upper
70	100		
42	60.4	48.1	72.1
101	9.6	7.6	11.4
130	21.4	16.6	24.8



Instrument :
BNA_F
ClientSampleId :
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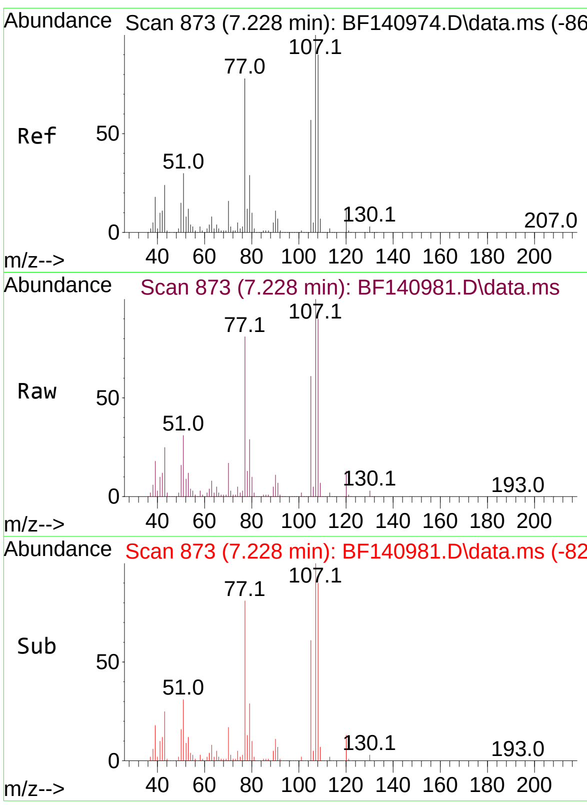
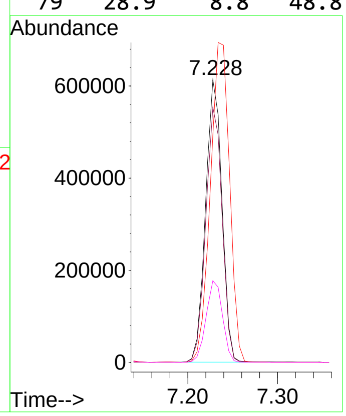


#20
3+4-Methylphenols
Concen: 37.641 ng
RT: 7.228 min Scan# 873
Delta R.T. 0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion:107 Resp: 778437

Ion	Ratio	Lower	Upper
107	100		
108	90.3	69.6	109.6
77	80.5	57.6	97.6
79	28.9	8.8	48.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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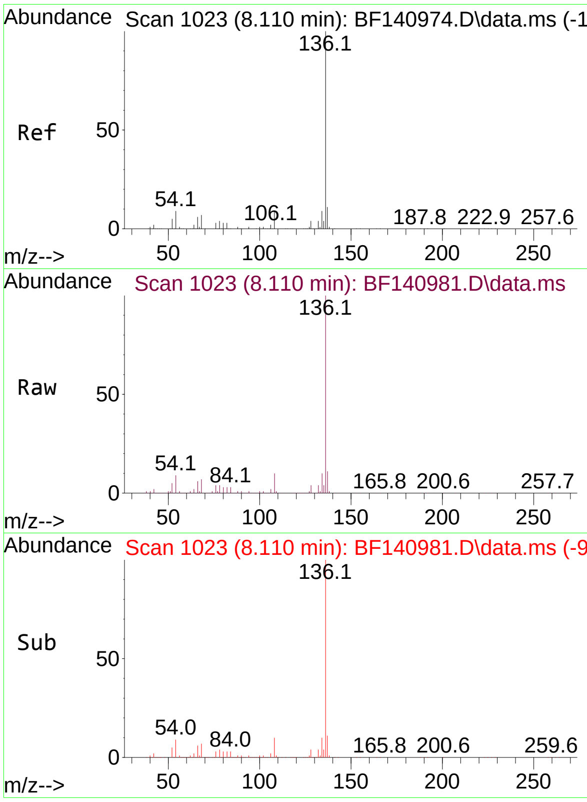
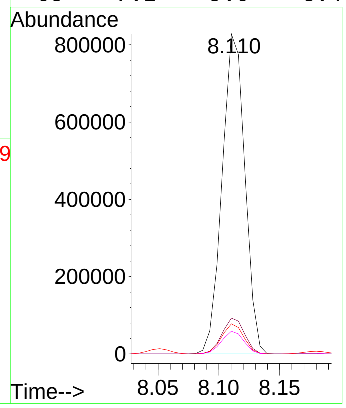
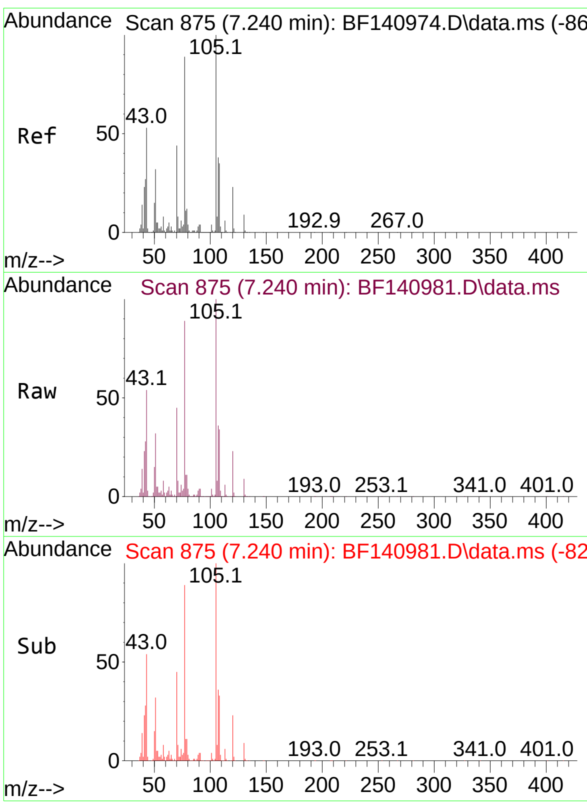



```
#21
Naphthalene-d8
Concen:   20.000 ng
RT:   8.110 min  Scan# 1
Delta R.T.  0.000 min
Lab File:   BF140981.D
Acq: 27 Dec 2024  08:19

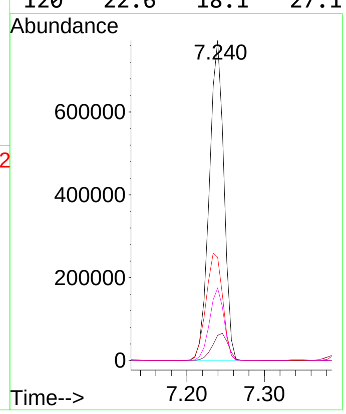
Tgt Ion:136 Resp: 108010
Ion  Ratio  Lower  Upper
136  100
137   11.2    9.0   13.4
 54    9.4    7.6   11.4
 68    7.1    5.6    8.4
```






```
#22
Acetophenone
Concen:   38.115 ng
RT:   7.240 min  Scan# 875
Delta R.T.  0.000 min
Lab File:   BF140981.D
Acq: 27 Dec 2024  08:19

Tgt Ion:105 Resp: 1009919
Ion  Ratio  Lower  Upper
105  100
 71    7.8    6.1    9.1
 51   32.2   25.8   38.6
120   22.6   18.1   27.1
```



Instrument :
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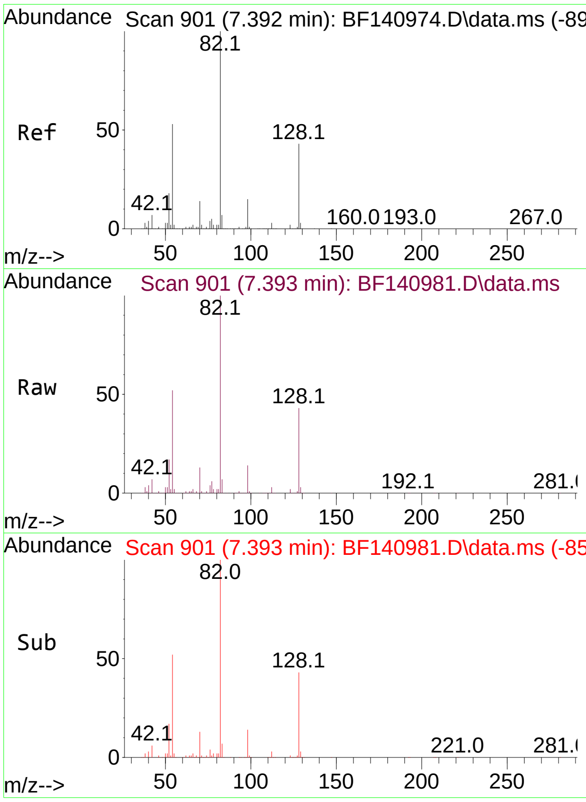
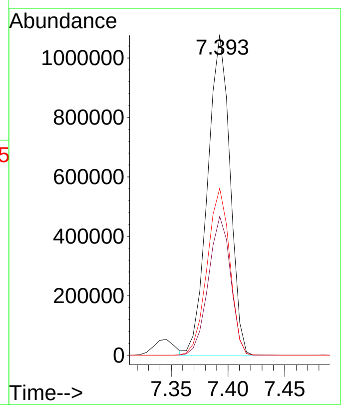
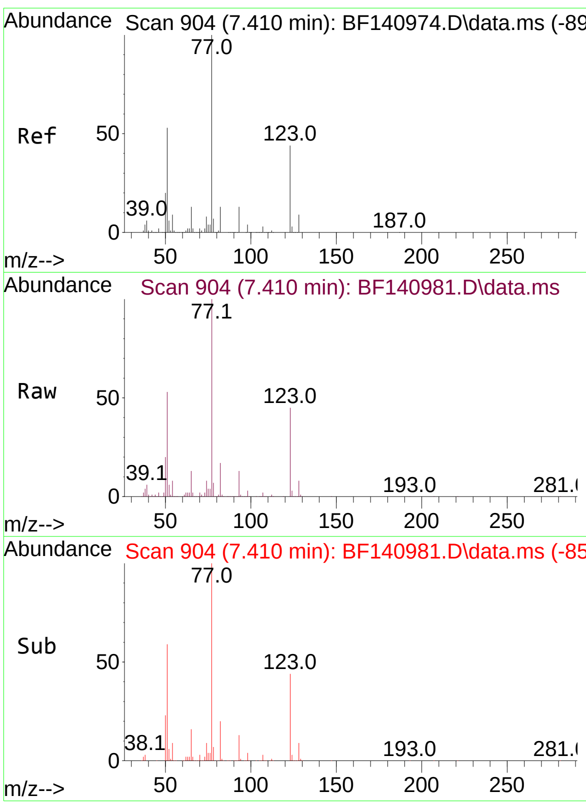


#23
Nitrobenzene-d5
Concen: 87.518 ng
RT: 7.393 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion: 82 Resp: 147751

Ion	Ratio	Lower	Upper
82	100		
128	43.3	34.4	51.6
54	52.2	42.4	63.6

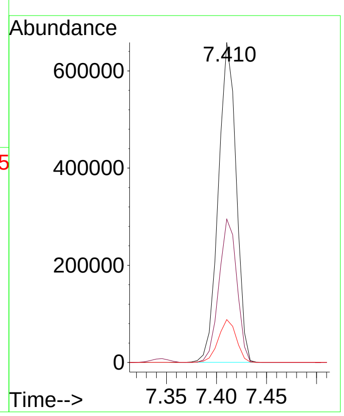


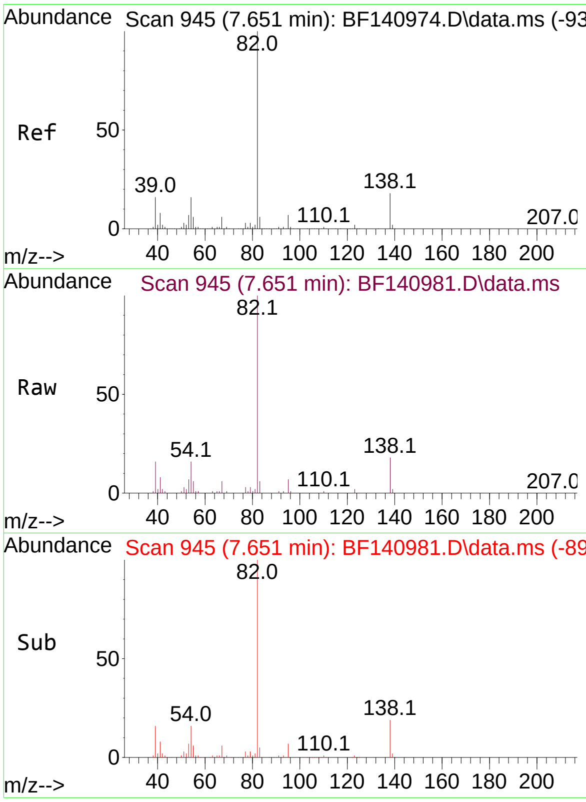


#24
Nitrobenzene
Concen: 43.194 ng
RT: 7.410 min Scan# 904
Delta R.T. 0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion: 77 Resp: 814834

Ion	Ratio	Lower	Upper
77	100		
123	44.8	35.4	53.2
65	13.4	10.7	16.1





#25
Isophorone
Concen: 38.222 ng
RT: 7.651 min Scan# 94
Delta R.T. 0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion: 82 Resp: 140416

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.6	8.4
138	17.9	14.6	21.8

Instrument :
BNA_F
ClientSampleId :
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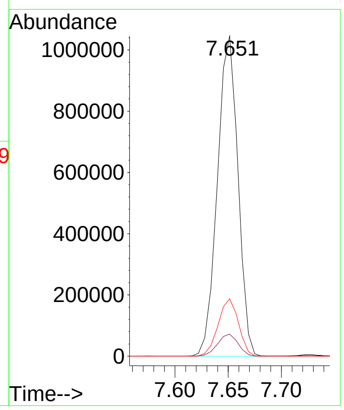
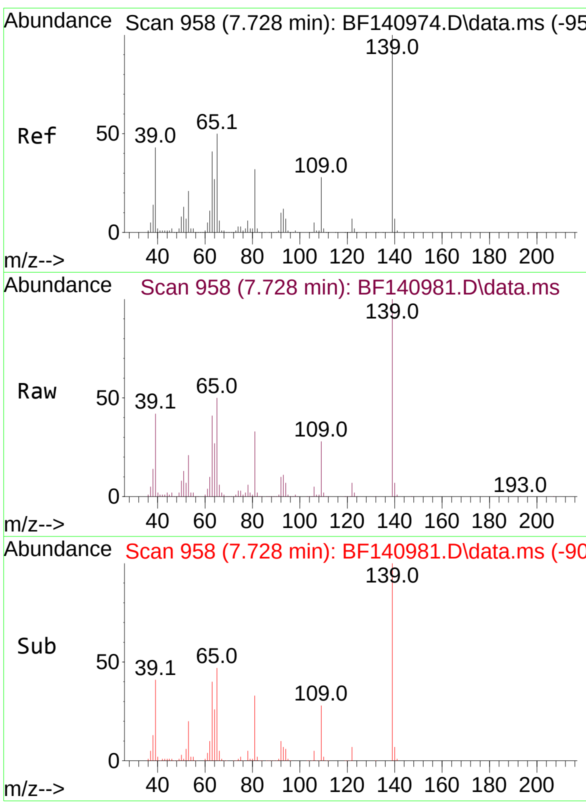
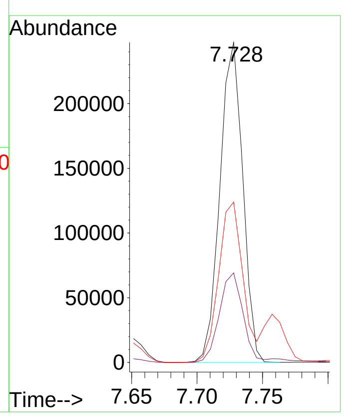




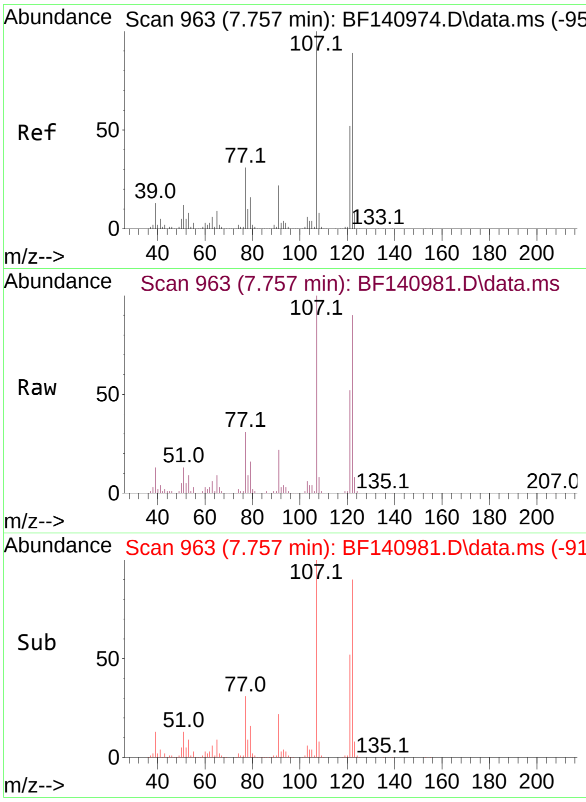
#26
2-Nitrophenol
Concen: 39.841 ng
RT: 7.728 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion:139 Resp: 300169

Ion	Ratio	Lower	Upper
139	100		
109	28.0	22.2	33.4
65	50.2	40.2	60.4



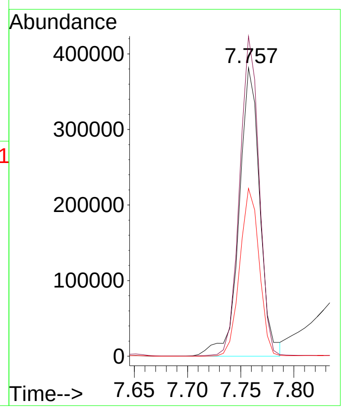
Sample Results: **BF140981.D**



#27
2,4-Dimethylphenol
Concen: 38.572 ng
RT: 7.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion:122 Resp: 51788

Ion	Ratio	Lower	Upper
122	100		
107	110.9	89.4	134.2
121	58.2	46.7	70.1



Instrument :
BNA_F
ClientSampleId :
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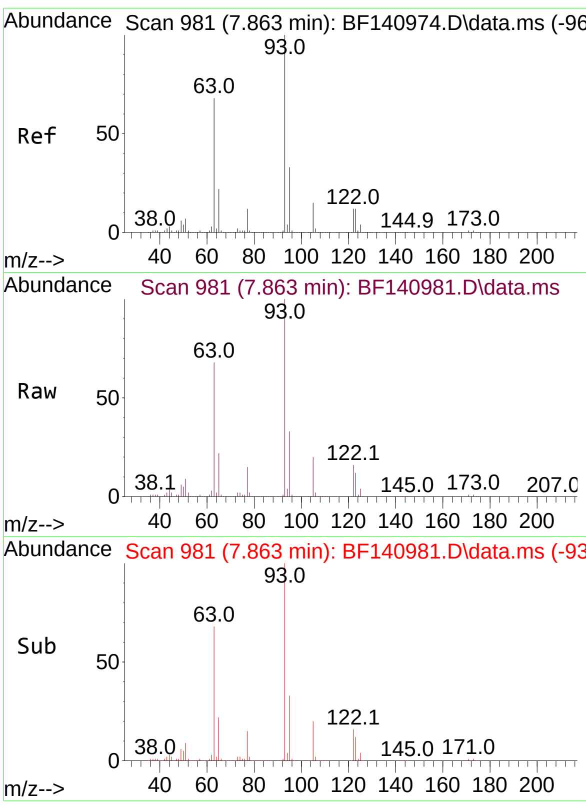
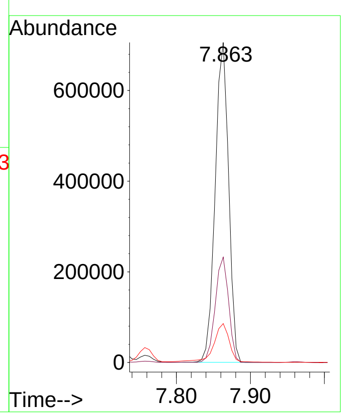


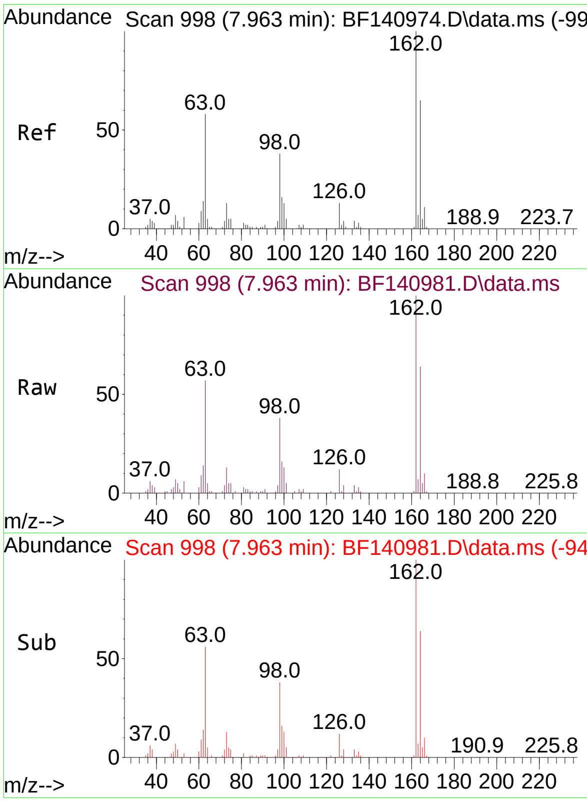
#28
bis(2-Chloroethoxy)methane
Concen: 38.286 ng
RT: 7.863 min Scan# 981
Delta R.T. 0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion: 93 Resp: 891140

Ion	Ratio	Lower	Upper
93	100		
95	32.9	26.2	39.4
123	12.2	9.9	14.9



Sample Results: **BF140981.D**




```
#29
2,4-Dichlorophenol
Concen:   39.760 ng
RT:   7.963 min  Scan# 9
Delta R.T.  0.000 min
Lab File:   BF140981.D
Acq: 27 Dec 2024  08:19

Tgt Ion:162 Resp:  60544
Ion  Ratio  Lower  Upper
162  100
164   64.2   44.8   84.8
 98   38.3   18.6   58.6
```

Instrument :
BNA_F
ClientSampleId :
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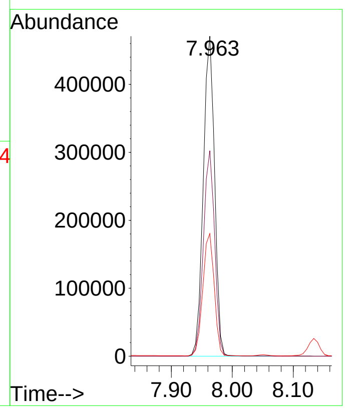

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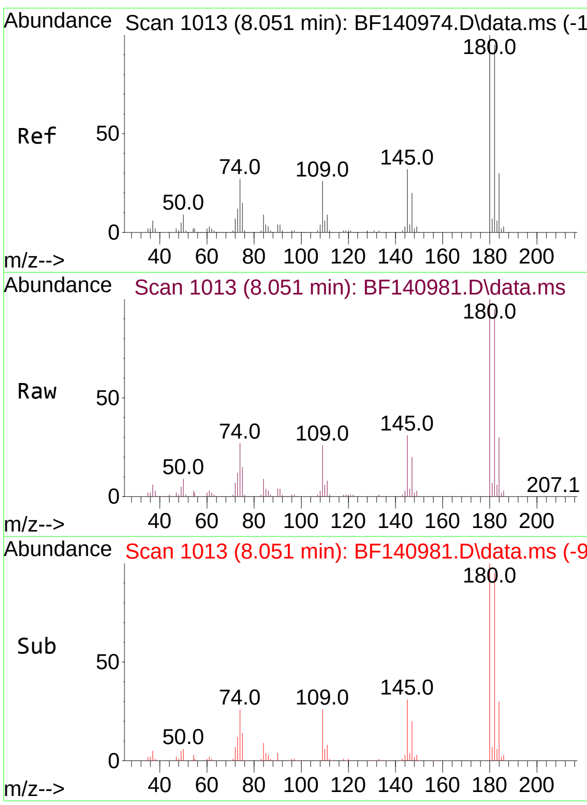
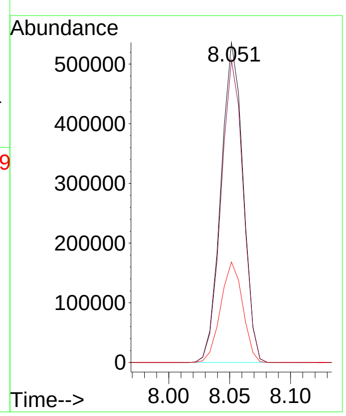



```
#30
1,2,4-Trichlorobenzene
Concen:   39.378 ng
RT:   8.051 min  Scan# 1013
Delta R.T.  0.000 min
Lab File:   BF140981.D
Acq: 27 Dec 2024  08:19

Tgt Ion:180 Resp:  678684
Ion  Ratio  Lower  Upper
180  100
182   94.5   76.2  114.4
145   31.4   25.4   38.2
```



Instrument :
BNA_F
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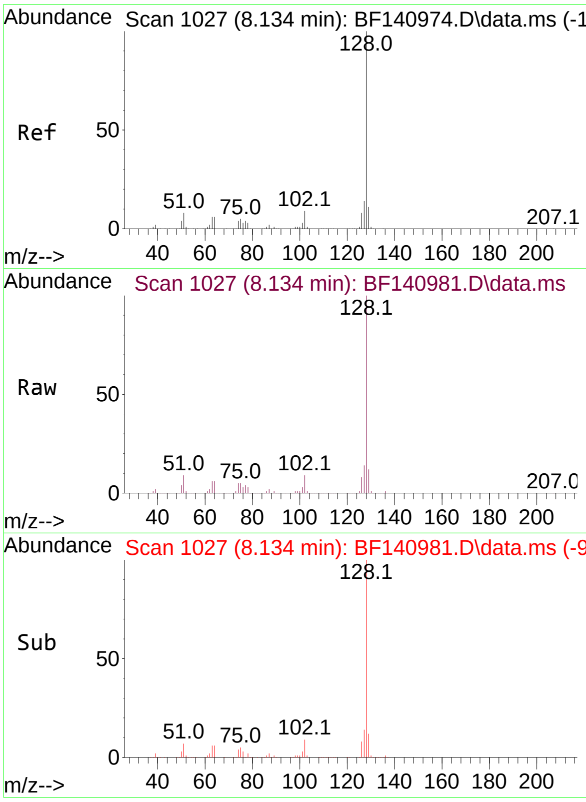
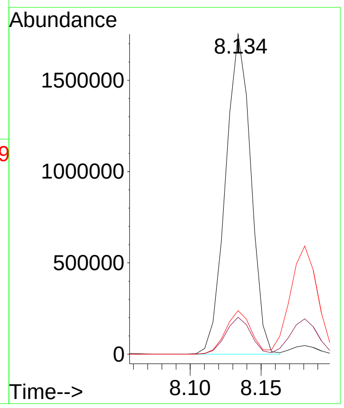
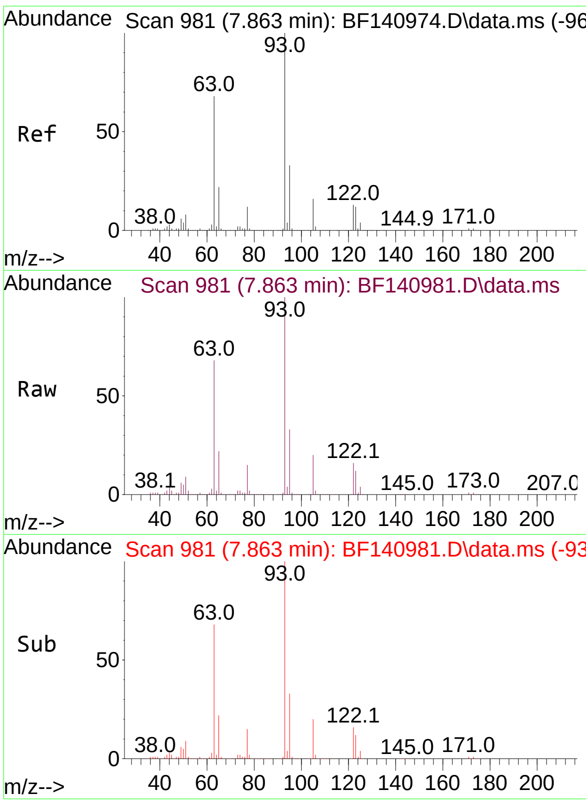



```
#31
Naphthalene
Concen:   38.264 ng
RT:   8.134 min  Scan# 10
Delta R.T.  0.000 min
Lab File:   BF140981.D
Acq: 27 Dec 2024  08:19

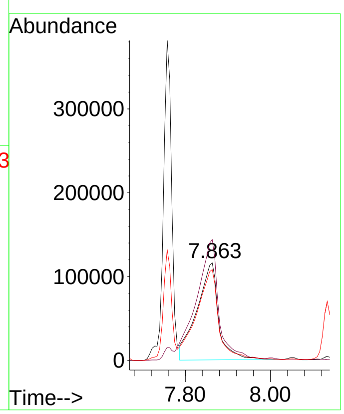
Tgt Ion:128 Resp: 217776
Ion  Ratio  Lower  Upper
128  100
129   11.6    9.2   13.8
127   13.6   11.0   16.4
```

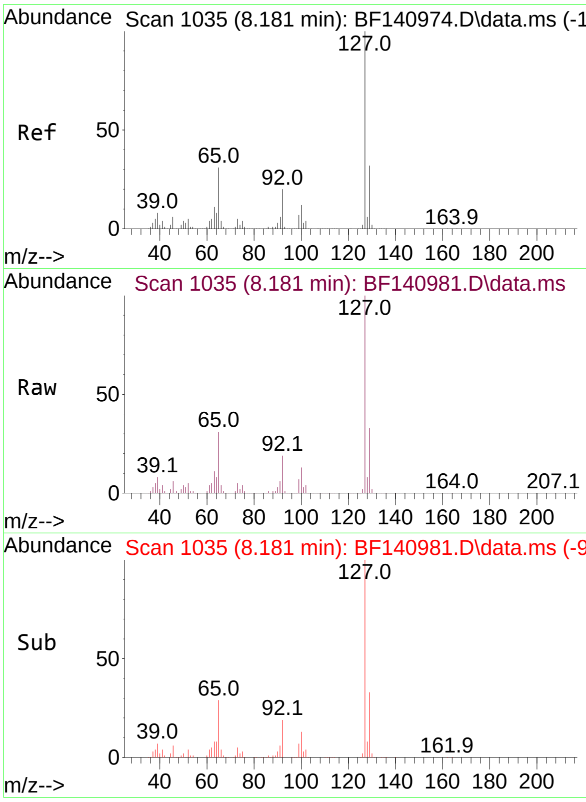





```
#32
Benzoic acid
Concen:   38.901 ng
RT:   7.863 min  Scan# 981
Delta R.T.  0.000 min
Lab File:   BF140981.D
Acq: 27 Dec 2024  08:19

Tgt Ion:122 Resp:  410627
Ion  Ratio  Lower  Upper
122  100
105  123.9  105.4  145.4
 77   93.1   76.4  116.4
```

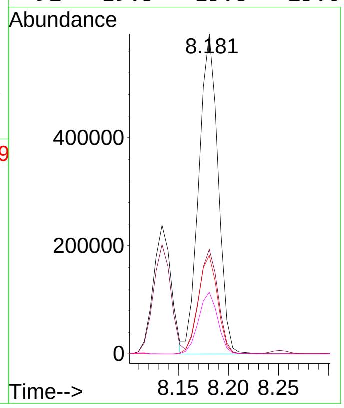




#33
4-Chloroaniline
Concen: 38.537 ng
RT: 8.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion:127 Resp: 79348

Ion	Ratio	Lower	Upper
127	100		
129	32.7	26.1	39.1
65	30.8	24.6	37.0
92	19.3	15.8	23.6



Instrument :
BNA_F
ClientSampleId :
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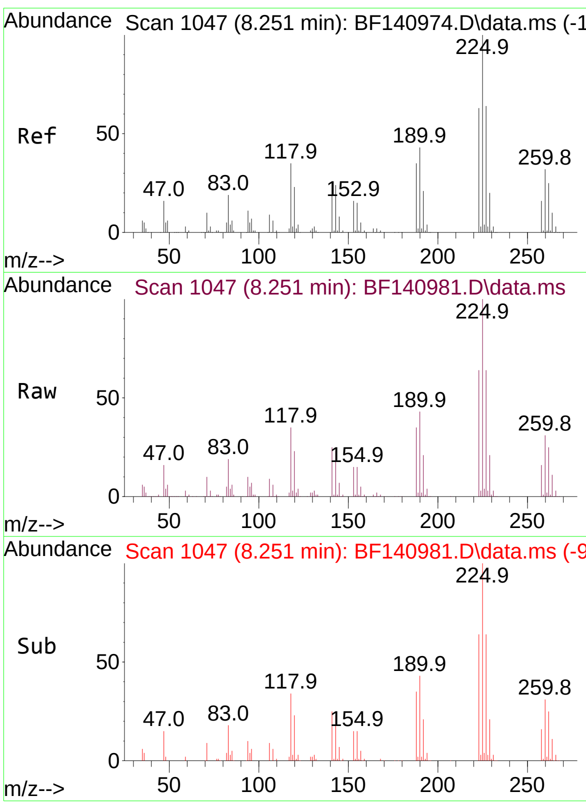
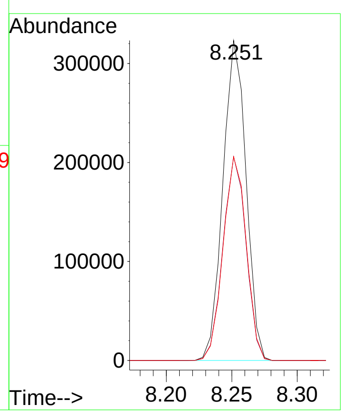


#34
Hexachlorobutadiene
Concen: 39.043 ng
RT: 8.251 min Scan# 1047
Delta R.T. 0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion:225 Resp: 396700

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



Sample Results: **BF140981.D**

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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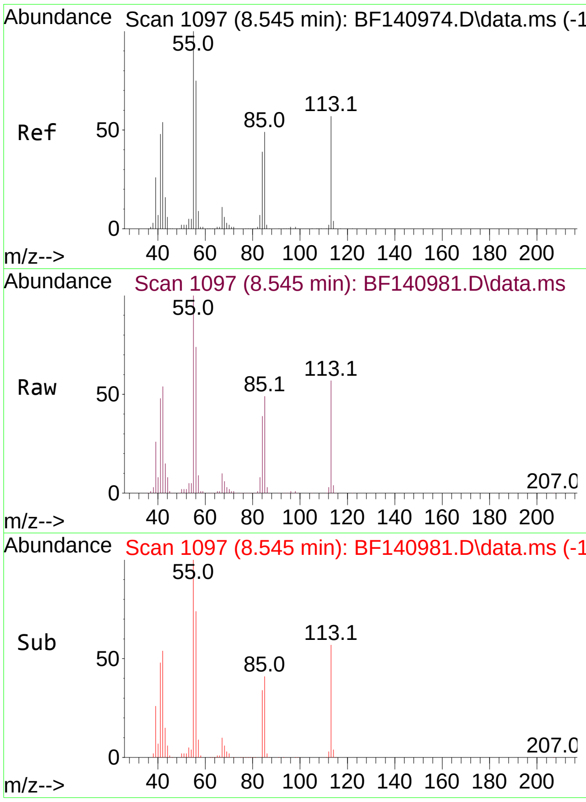
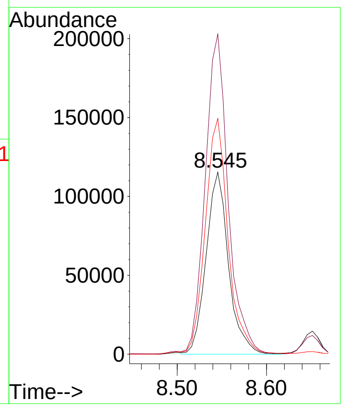
```
#35
Caprolactam
Concen:   38.767 ng  m
RT:   8.545 min  Scan# 1
Delta R.T.  0.000 min
Lab File:   BF140981.D
Acq: 27 Dec 2024  08:19

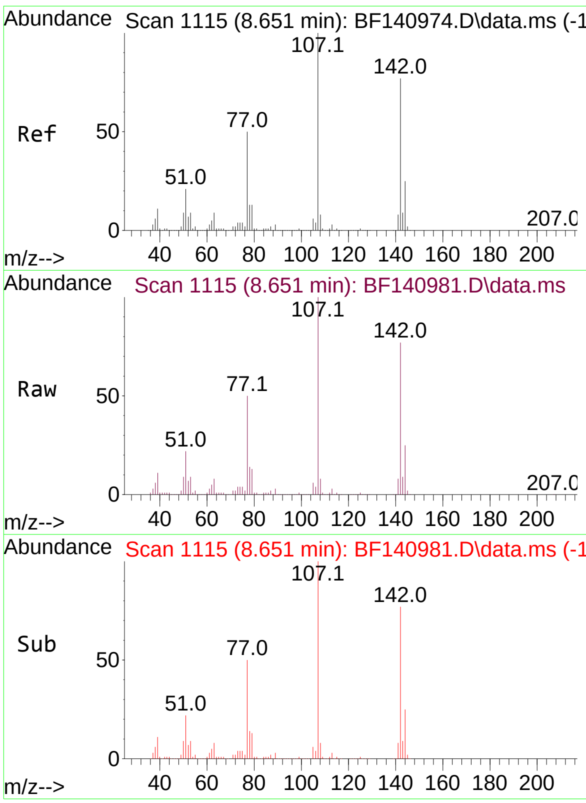
Tgt Ion:113 Resp:  20068
Ion  Ratio  Lower  Upper
113  100
 55  176.0  156.6  196.6
 56  129.5  111.7  151.7
```

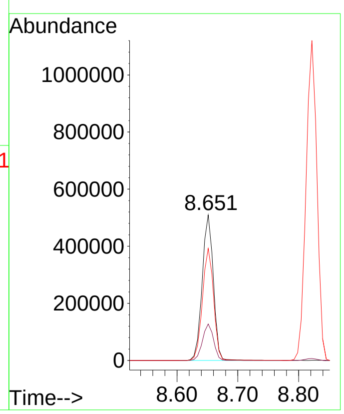





```
#36
4-Chloro-3-methylphenol
Concen:   38.590 ng
RT:   8.651 min  Scan# 1115
Delta R.T.  0.000 min
Lab File:   BF140981.D
Acq: 27 Dec 2024  08:19

Tgt Ion:107 Resp:  652584
Ion  Ratio  Lower  Upper
107  100
144   25.1   19.9   29.9
142   77.1   61.8   92.8
```





Instrument :
BNA_F
ClientSampleId :
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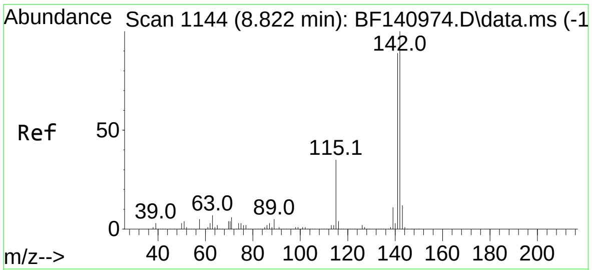
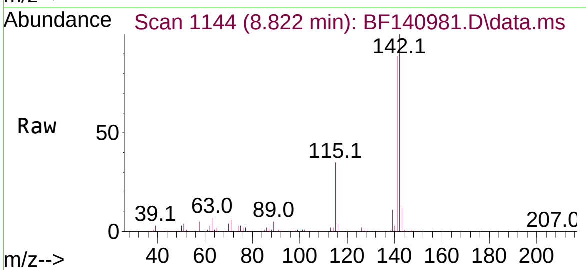
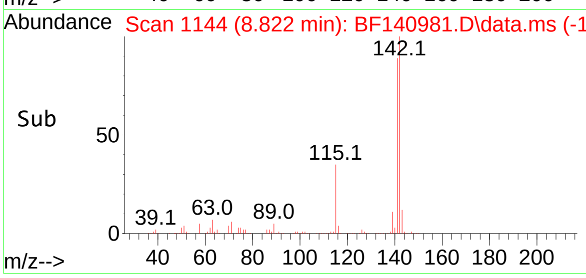


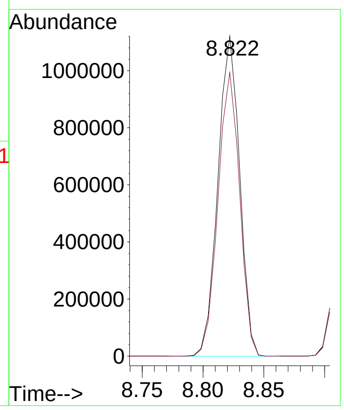


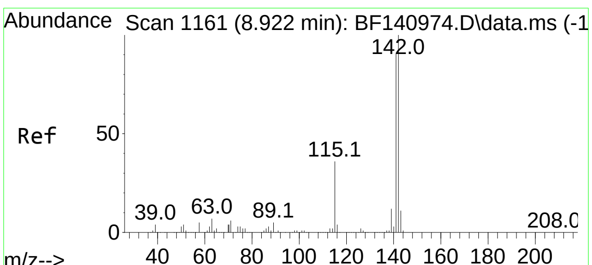


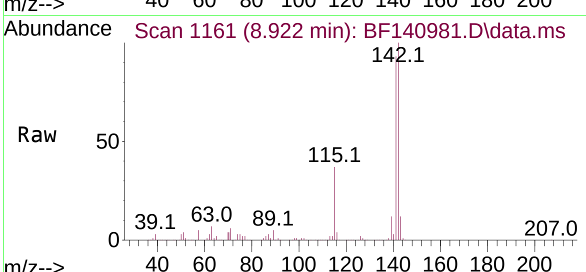
#37
2-Methylnaphthalene
Concen: 38.292 ng
RT: 8.822 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

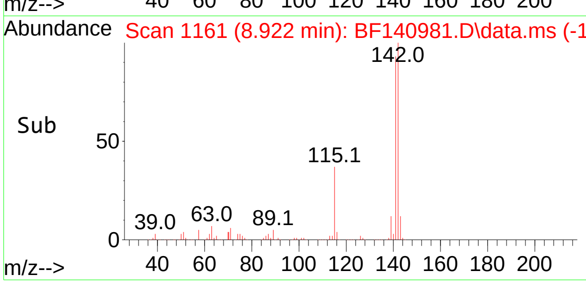
Tgt Ion:142 Resp: 139423

Ion	Ratio	Lower	Upper
142	100		
141	88.6	71.1	106.7





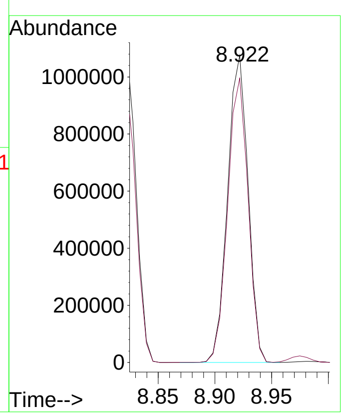




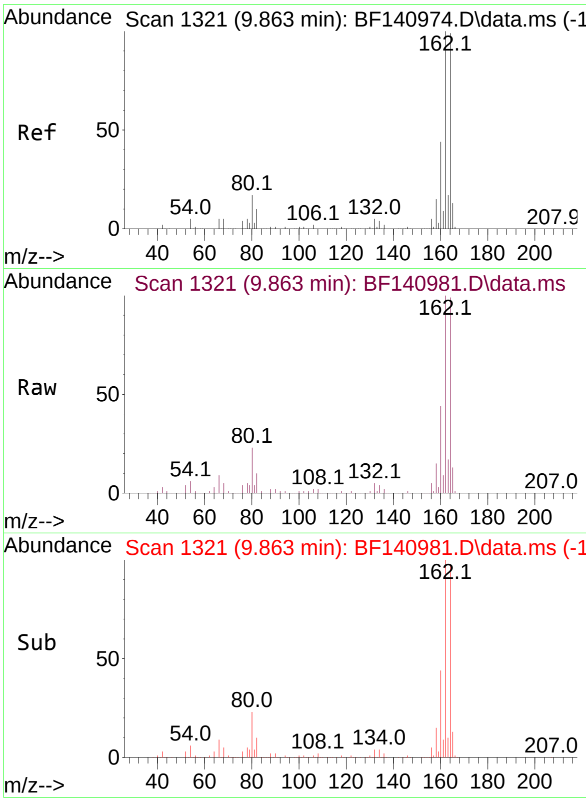
#38
1-Methylnaphthalene
Concen: 37.780 ng
RT: 8.922 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion:142 Resp: 1351886

Ion	Ratio	Lower	Upper
142	100		
141	92.6	72.7	109.1



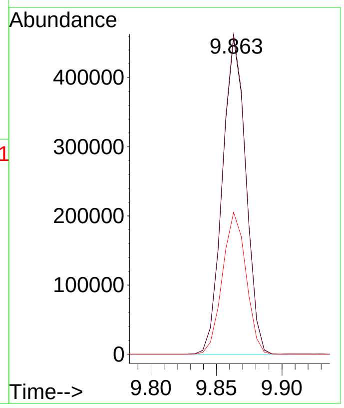
Sample Results: **BF140981.D**



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion:164 Resp: 56756

Ion	Ratio	Lower	Upper
164	100		
162	101.3	80.6	120.8
160	44.9	35.7	53.5



Instrument :
BNA_F
ClientSampleId :
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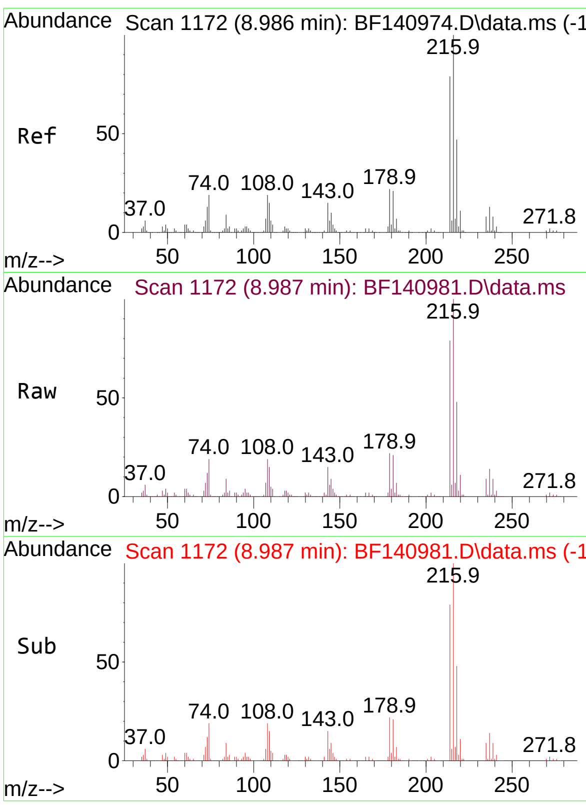
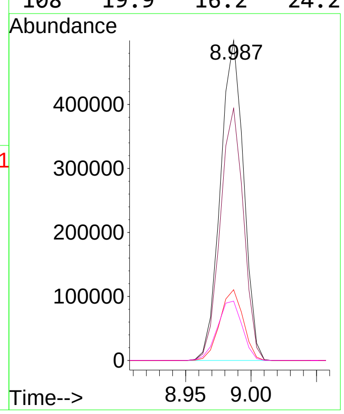
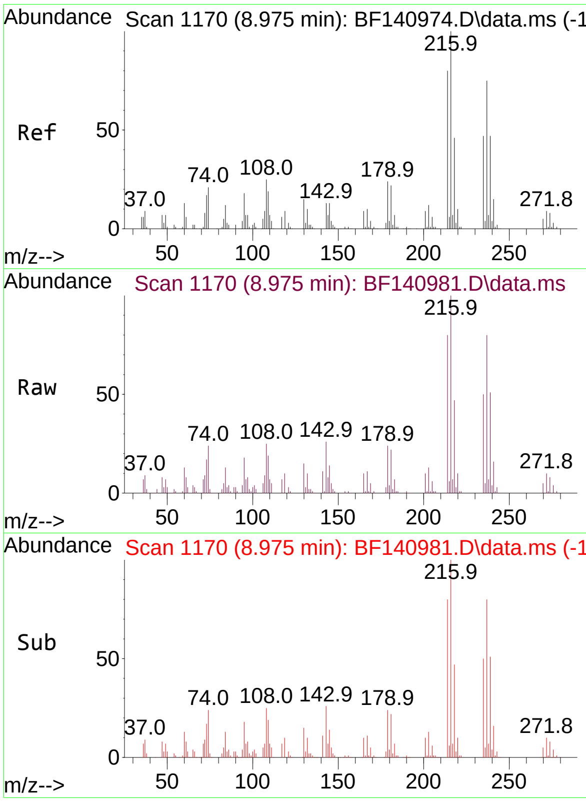


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.489 ng
RT: 8.987 min Scan# 1172
Delta R.T. 0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion:216 Resp: 616591

Ion	Ratio	Lower	Upper
216	100		
214	78.8	63.0	94.6
179	22.2	17.9	26.9
108	19.9	16.2	24.2

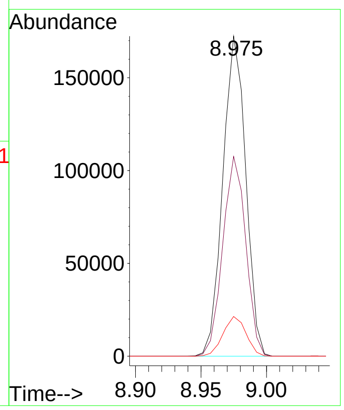




#41
Hexachlorocyclopentadiene
Concen: 40.546 ng
RT: 8.975 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion:237 Resp: 20980

Ion	Ratio	Lower	Upper
237	100		
235	62.4	43.4	83.4
272	12.4	0.0	32.6



Instrument :
BNA_F
ClientSampleId :
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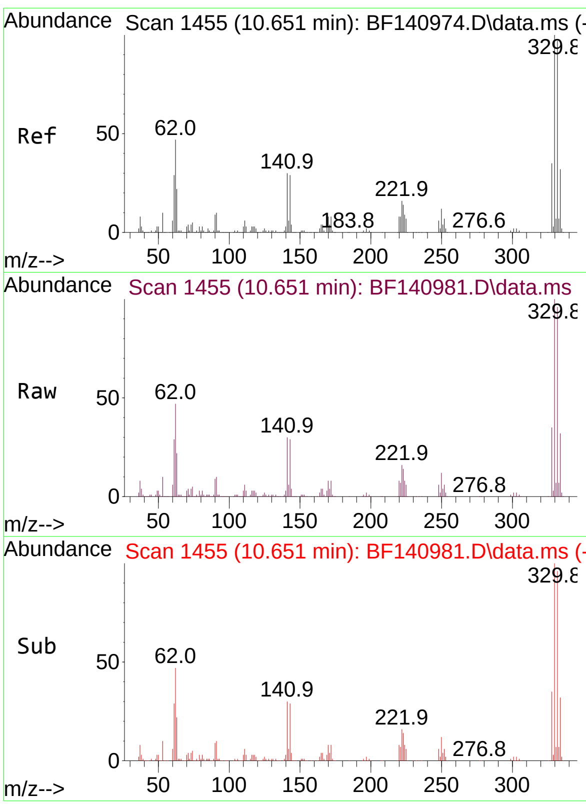
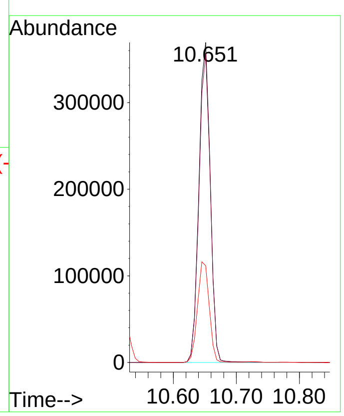


#42
2,4,6-Tribromophenol
Concen: 83.751 ng
RT: 10.651 min Scan# 1455
Delta R.T. 0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion:330 Resp: 461893

Ion	Ratio	Lower	Upper
330	100		
332	96.4	78.0	117.0
141	32.4	26.4	39.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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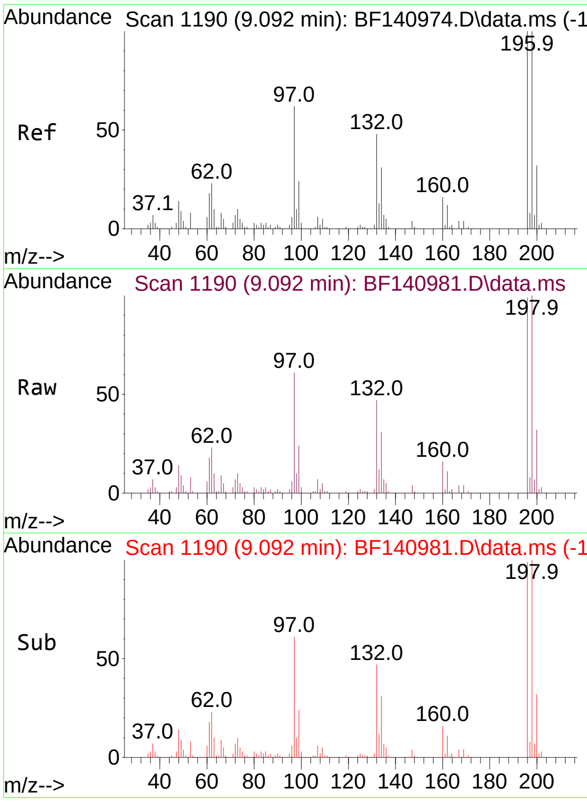
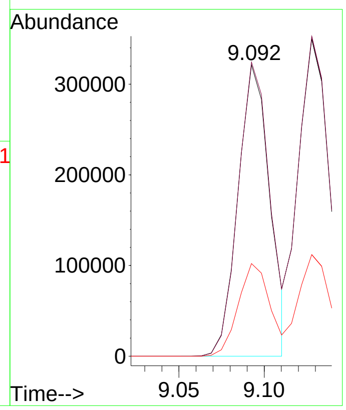
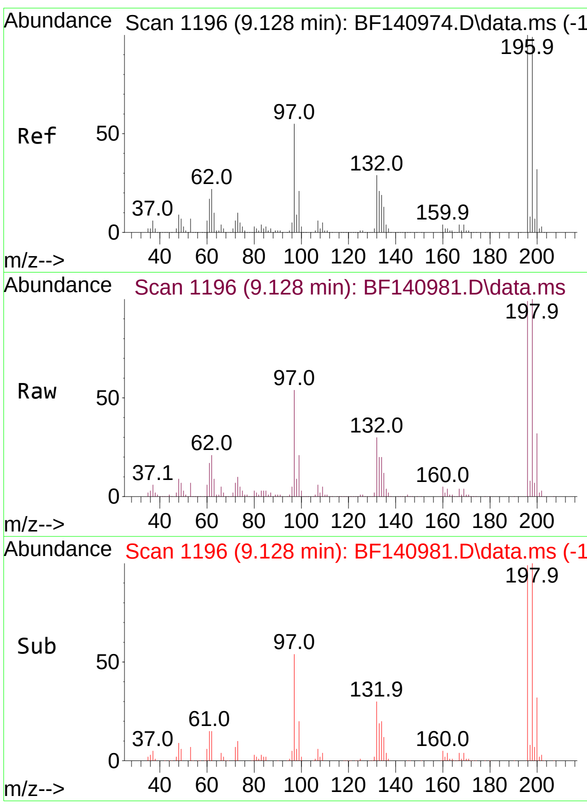


#43
2,4,6-Trichlorophenol
Concen: 40.039 ng
RT: 9.092 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion:196 Resp: 41608

Ion	Ratio	Lower	Upper
196	100		
198	101.0	80.2	120.4
200	31.8	25.8	38.6

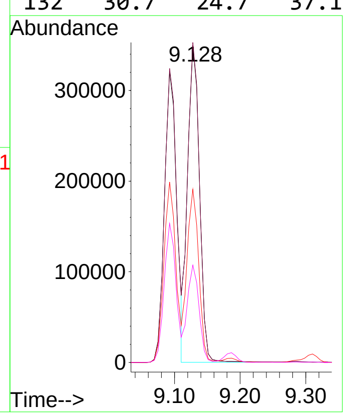


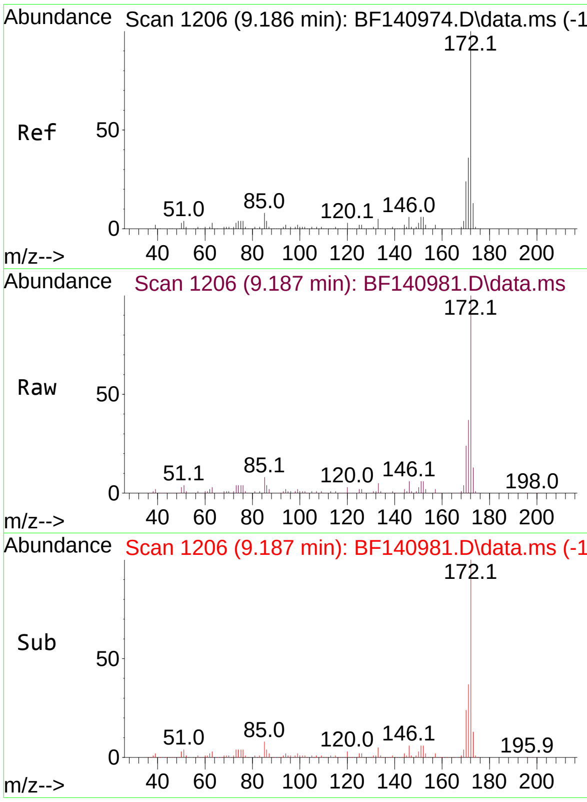


#44
2,4,5-Trichlorophenol
Concen: 41.666 ng
RT: 9.128 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion:196 Resp: 443044

Ion	Ratio	Lower	Upper
196	100		
198	100.9	79.9	119.9
97	54.6	44.3	66.5
132	30.7	24.7	37.1





#45
2-Fluorobiphenyl
Concen: 76.481 ng
RT: 9.187 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion:172 Resp: 272450

Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.0	43.4
170	24.3	19.6	29.4

Instrument :
BNA_F
ClientSampleId :
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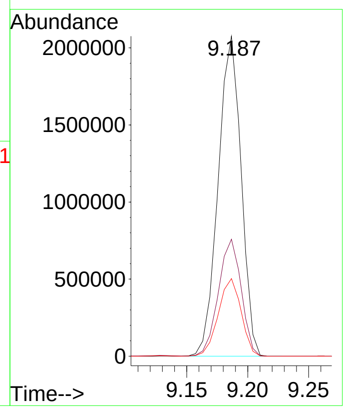
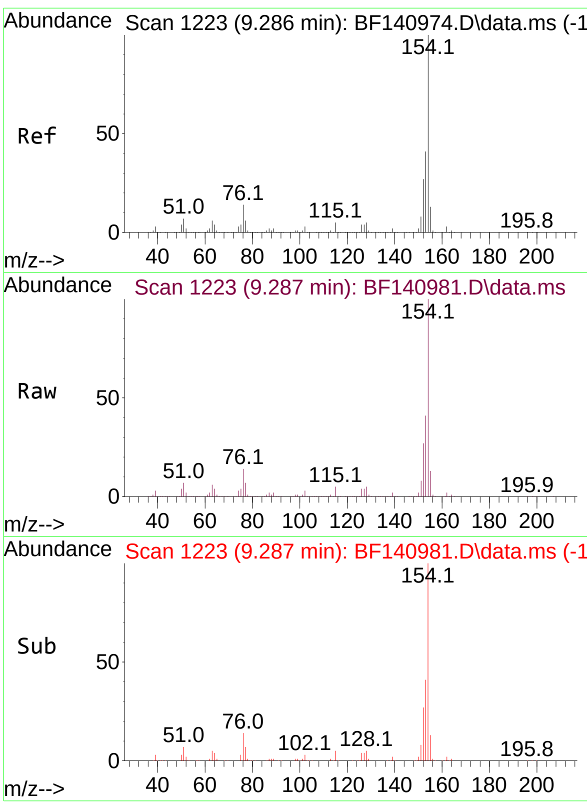
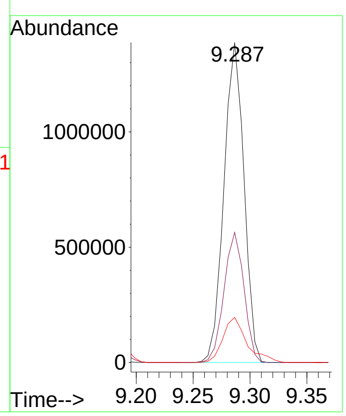


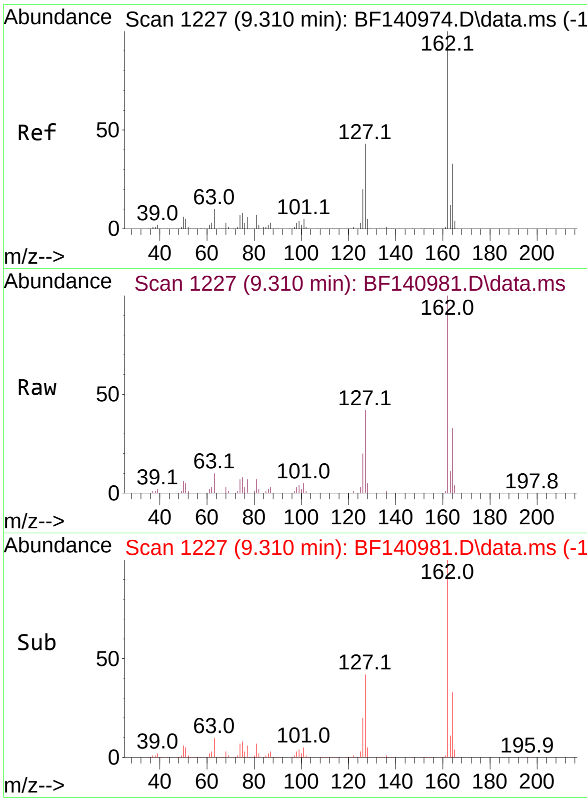


#46
1,1'-Biphenyl
Concen: 39.174 ng
RT: 9.287 min Scan# 1223
Delta R.T. 0.001 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion:154 Resp: 1702421

Ion	Ratio	Lower	Upper
154	100		
153	40.7	20.9	60.9
76	14.1	0.0	34.0

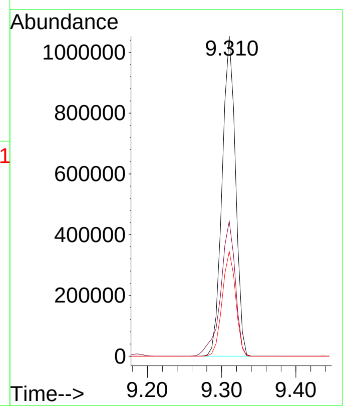




#47
2-Chloronaphthalene
Concen: 39.194 ng
RT: 9.310 min   Scan# 1
Delta R.T.   0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024   08:19

Tgt Ion:162 Resp: 1321020

Ion	Ratio	Lower	Upper
162	100		
127	42.2	34.2	51.4
164	32.8	26.6	40.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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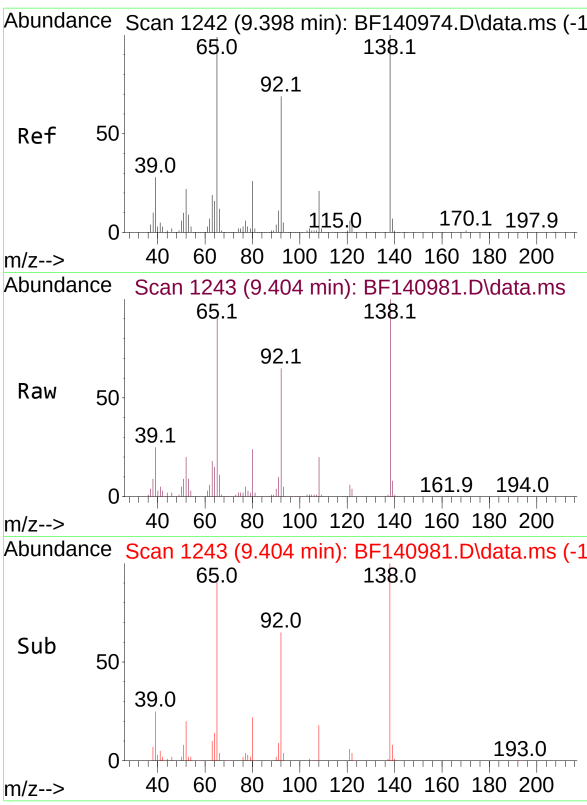
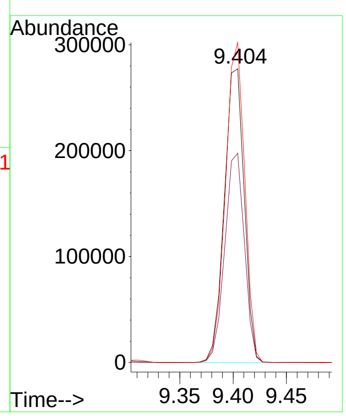
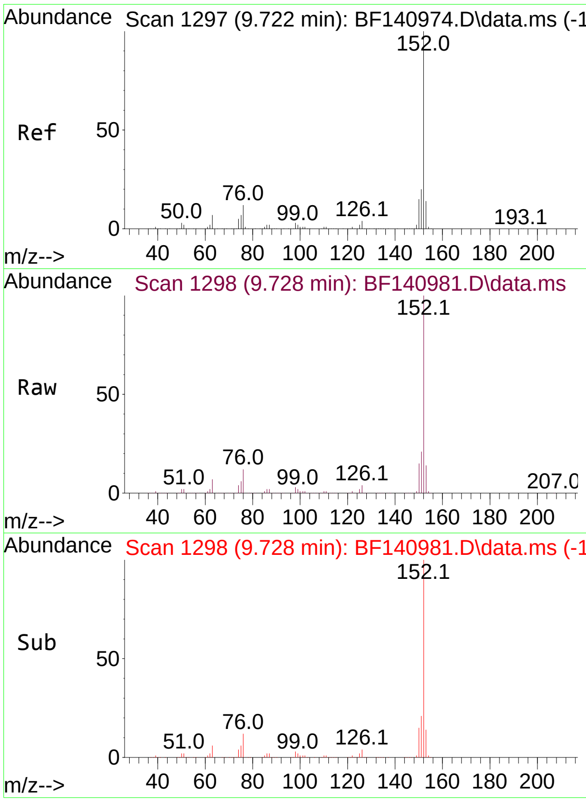


#48
2-Nitroaniline
Concen: 41.569 ng
RT: 9.404 min   Scan# 1243
Delta R.T.   0.006 min
Lab File: BF140981.D
Acq: 27 Dec 2024   08:19

Tgt Ion: 65 Resp: 360451

Ion	Ratio	Lower	Upper
65	100		
92	71.2	55.6	83.4
138	108.9	80.5	120.7






```
#49
Acenaphthylene
Concen:   38.857 ng
RT:   9.728 min  Scan# 1
Delta R.T.  0.006 min
Lab File:   BF140981.D
Acq: 27 Dec 2024  08:19

Tgt Ion:152 Resp: 188532
Ion  Ratio  Lower  Upper
152  100
151   20.6   16.2   24.4
153   14.2   11.4   17.0
```

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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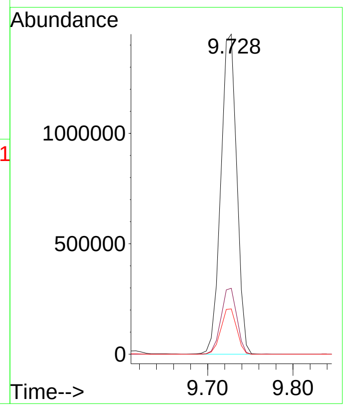

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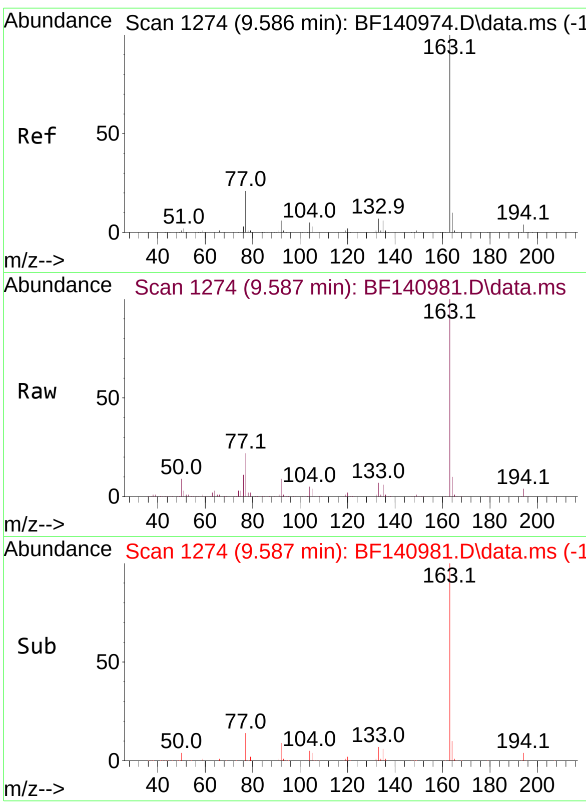
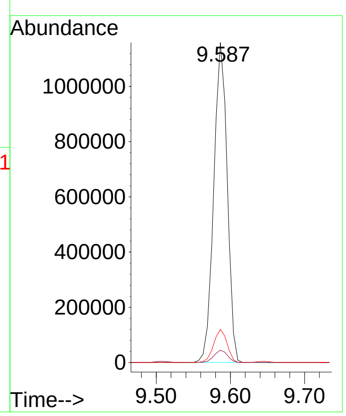
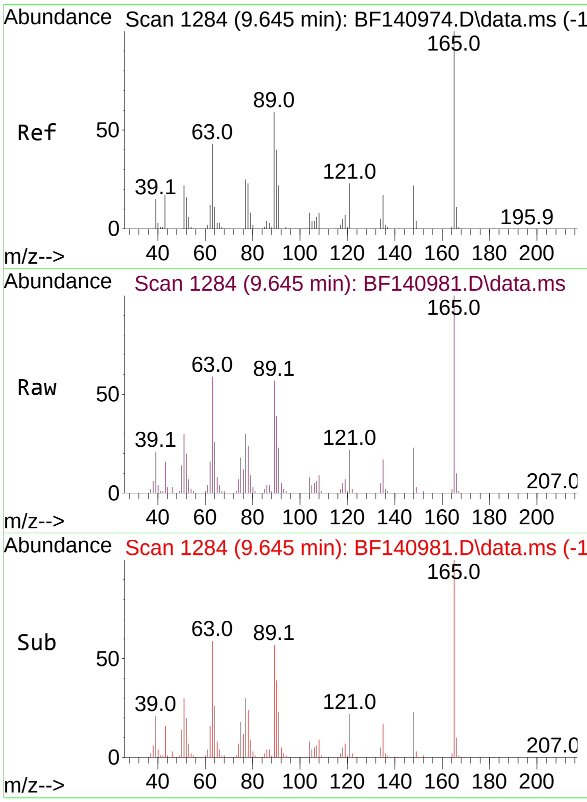



```
#50
Dimethylphthalate
Concen:   39.119 ng
RT:   9.587 min  Scan# 1274
Delta R.T.  0.001 min
Lab File:   BF140981.D
Acq: 27 Dec 2024  08:19

Tgt Ion:163 Resp: 1460417
Ion  Ratio  Lower  Upper
163  100
194    3.9    3.1    4.7
164   10.3    8.3   12.5
```

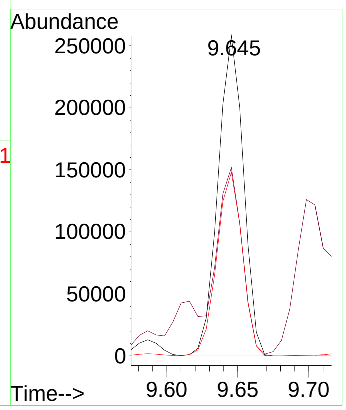




#51
2,6-Dinitrotoluene
Concen: 42.567 ng
RT: 9.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion:165 Resp: 32067

Ion	Ratio	Lower	Upper
165	100		
63	58.9	47.1	70.7
89	57.4	47.0	70.4



Instrument :
BNA_F
ClientSampleId :
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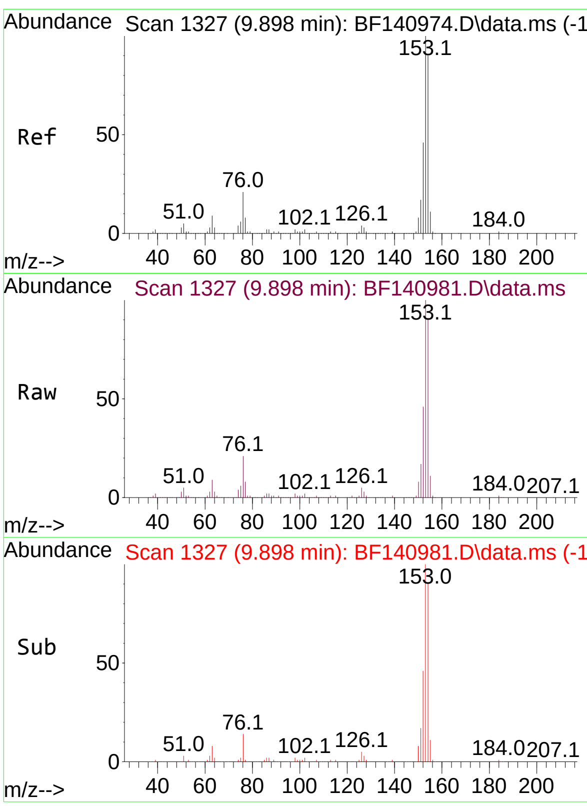
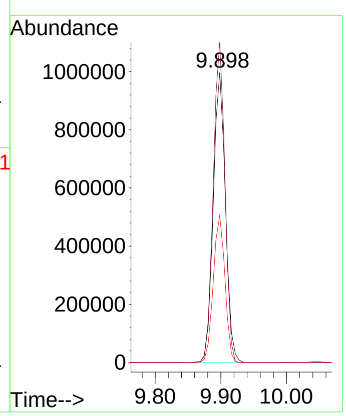


#52
Acenaphthene
Concen: 39.132 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion:154 Resp: 1283578

Ion	Ratio	Lower	Upper
154	100		
153	110.4	89.2	133.8
152	50.7	40.9	61.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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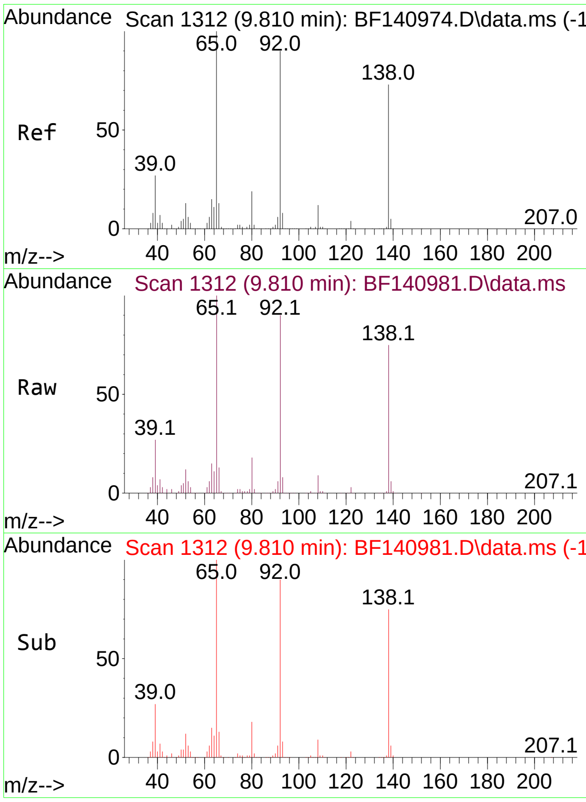
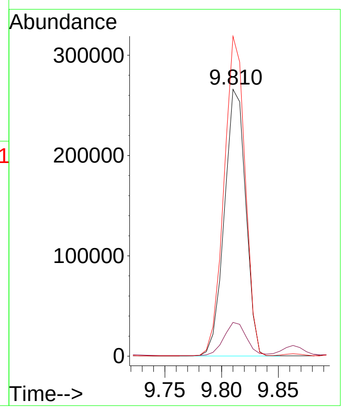
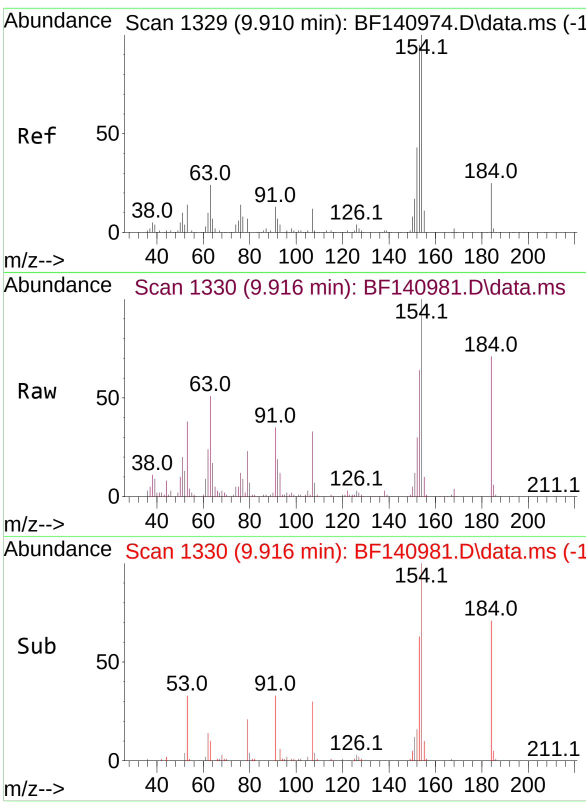


#53
3-Nitroaniline
Concen: 42.429 ng
RT: 9.810 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion:138 Resp: 34792

Ion	Ratio	Lower	Upper
138	100		
108	12.7	13.5	20.3#
92	119.9	97.7	146.5

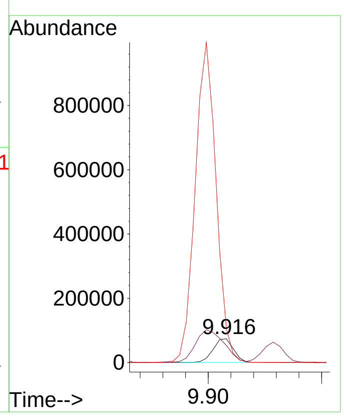


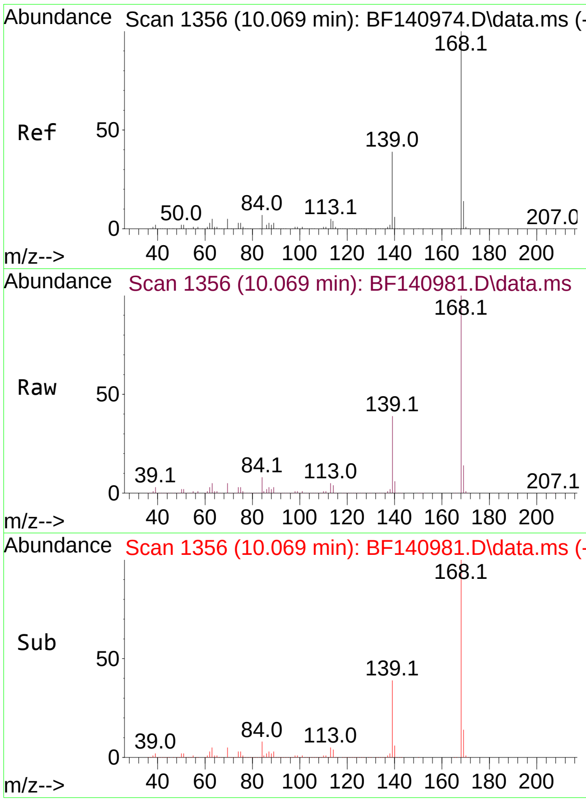


#54
2,4-Dinitrophenol
Concen: 41.265 ng
RT: 9.916 min Scan# 1330
Delta R.T. 0.006 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion:184 Resp: 92421

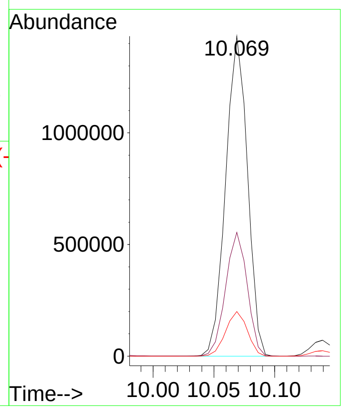
Ion	Ratio	Lower	Upper
184	100		
63	71.7	81.6	122.4#
154	140.2	363.5	545.3#






```
#55
Dibenzofuran
Concen:   38.885 ng
RT:  10.069 min  Scan# 1
Delta R.T.  0.000 min
Lab File:   BF140981.D
Acq: 27 Dec 2024  08:19

Tgt Ion:168 Resp: 179248
Ion  Ratio  Lower  Upper
168  100
139   38.7   31.6   47.4
169   13.9   11.0   16.6
```



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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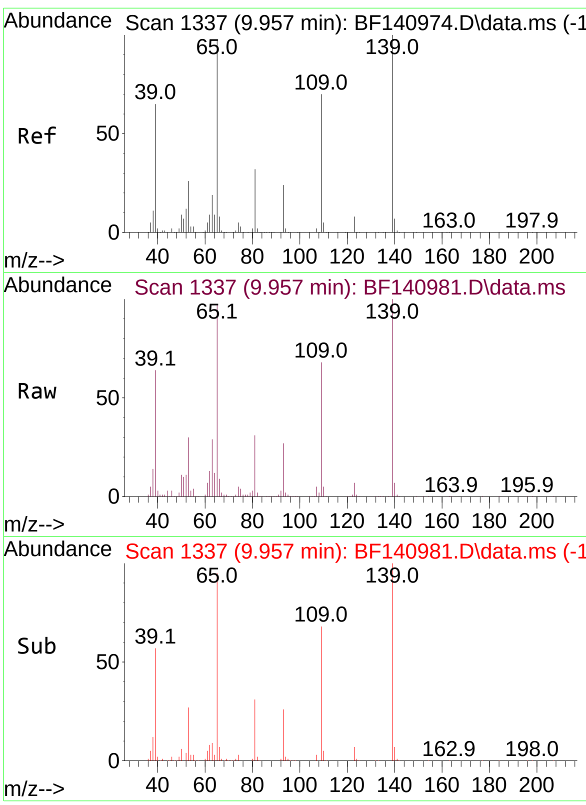
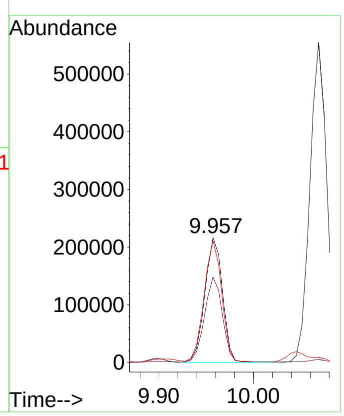



```
#56
4-Nitrophenol
Concen:   43.750 ng
RT:   9.957 min  Scan# 1337
Delta R.T.  0.000 min
Lab File:   BF140981.D
Acq: 27 Dec 2024  08:19

Tgt Ion:139 Resp:  279388
Ion  Ratio  Lower  Upper
139  100
109   68.5   50.8   90.8
 65   97.5   78.5  118.5
```



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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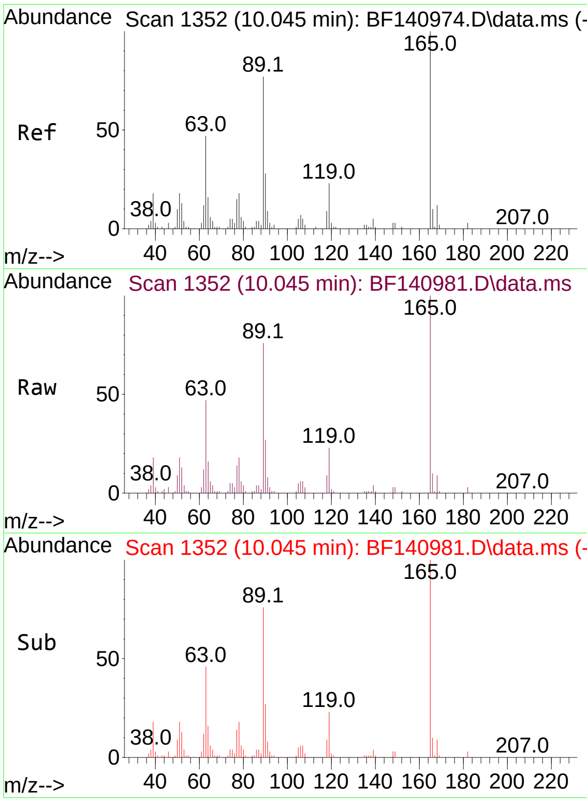
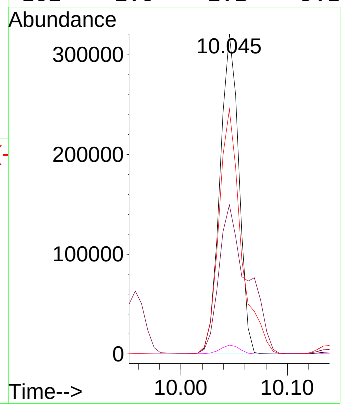
12/30/2024

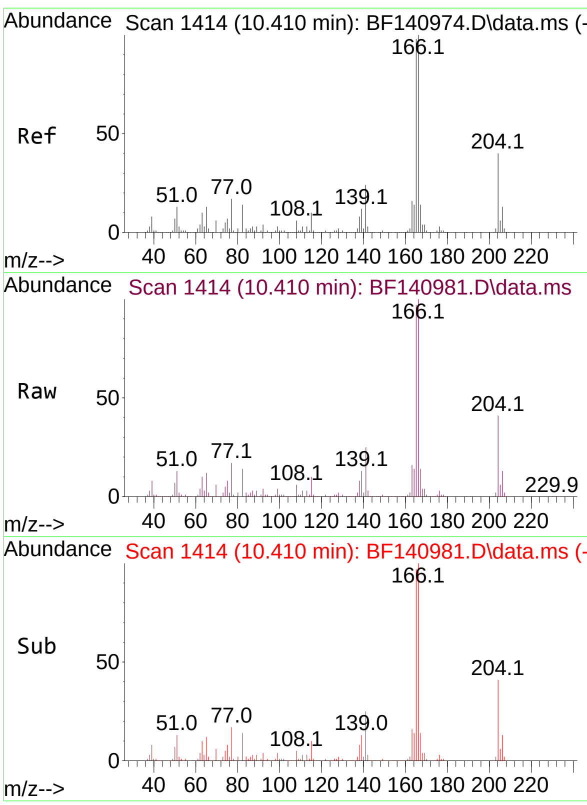


#57
2,4-Dinitrotoluene
Concen: 42.991 ng
RT: 10.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion:165 Resp: 39569

Ion	Ratio	Lower	Upper
165	100		
63	46.5	38.1	57.1
89	76.5	61.4	92.2
182	2.8	2.1	3.1

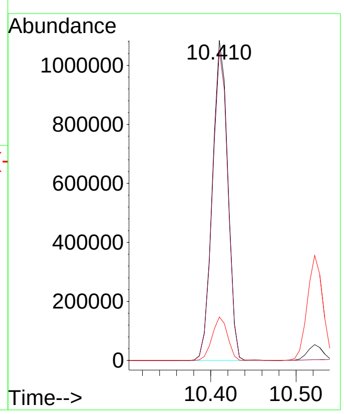


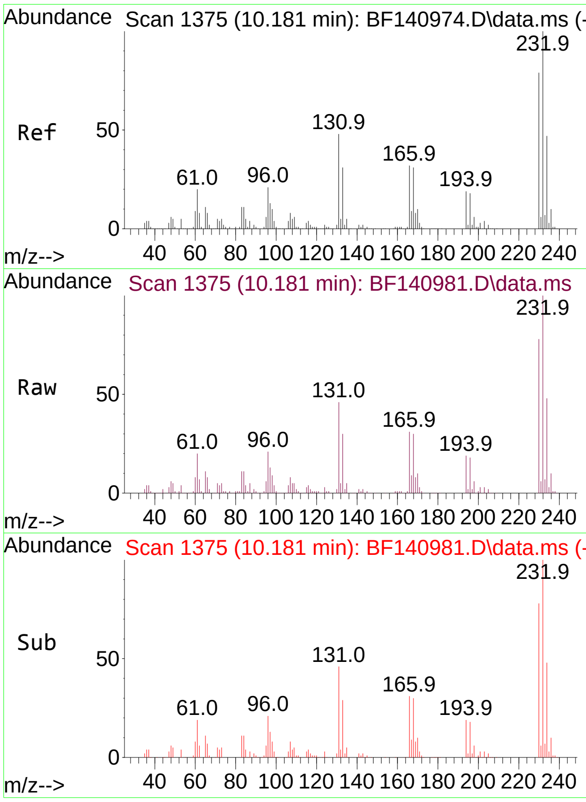


#58
Fluorene
Concen: 38.258 ng
RT: 10.410 min Scan# 1414
Delta R.T. 0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion:166 Resp: 1367597

Ion	Ratio	Lower	Upper
166	100		
165	97.1	78.3	117.5
167	13.6	10.9	16.3

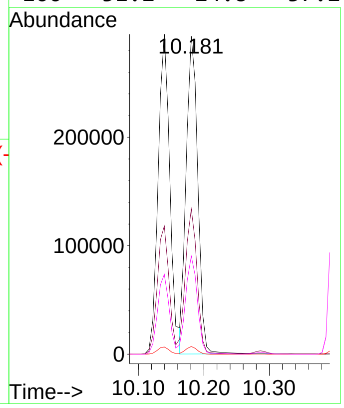




#59
2,3,4,6-Tetrachlorophenol
Concen: 40.984 ng
RT: 10.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion:232 Resp: 36091

Ion	Ratio	Lower	Upper
232	100		
131	46.2	37.4	56.2
130	2.4	1.8	2.8
166	31.2	24.8	37.2



Instrument :
BNA_F
ClientSampleId :
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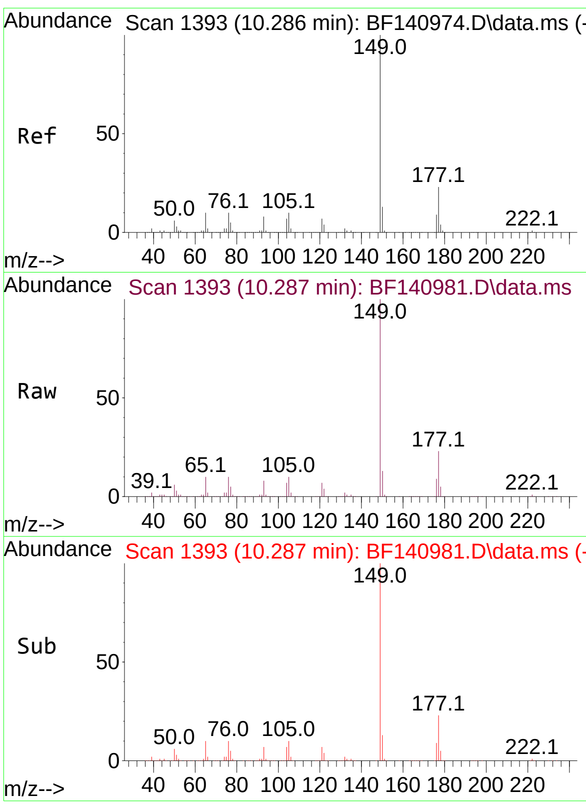
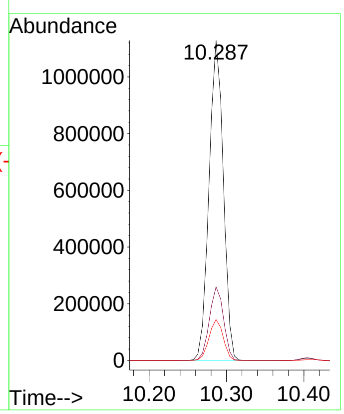
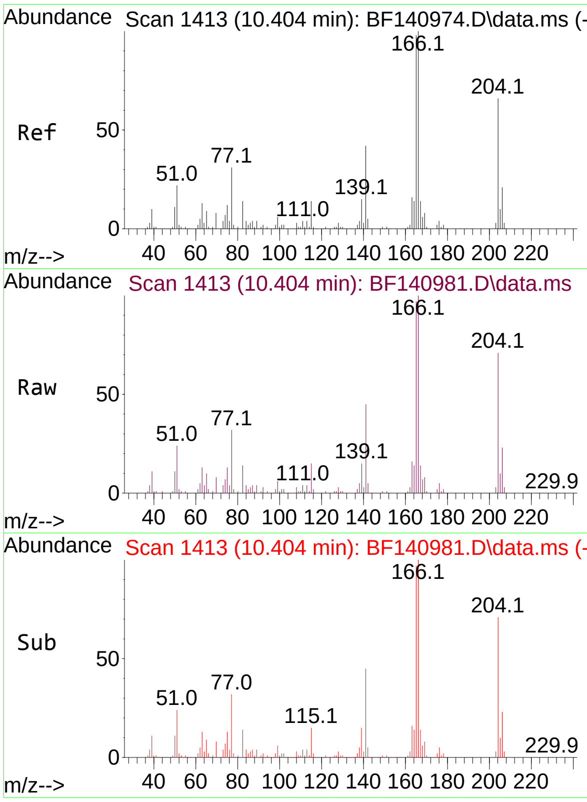


#60
Diethylphthalate
Concen: 39.217 ng
RT: 10.287 min Scan# 1393
Delta R.T. 0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion:149 Resp: 1445371

Ion	Ratio	Lower	Upper
149	100		
177	23.0	18.3	27.5
150	12.8	10.4	15.6

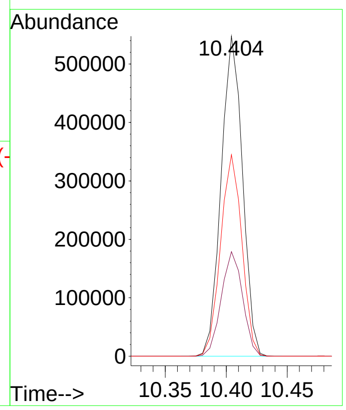




#61
4-Chlorophenyl-phenylether
Concen: 38.863 ng
RT: 10.404 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion:204 Resp: 66845

Ion	Ratio	Lower	Upper
204	100		
206	32.7	25.8	38.6
141	62.9	51.2	76.8



Instrument :
BNA_F
ClientSampleId :
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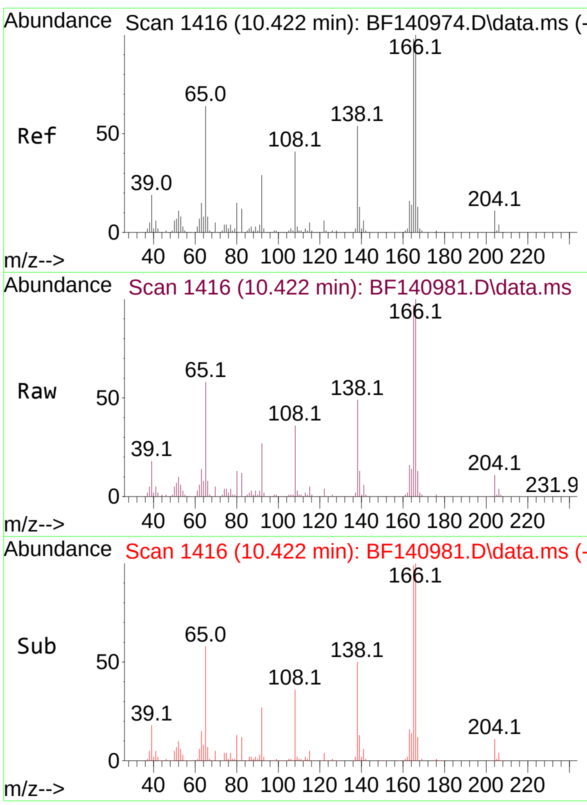
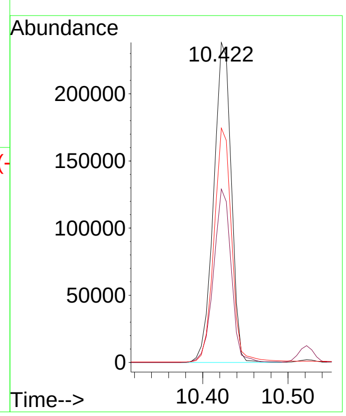


#62
4-Nitroaniline
Concen: 41.772 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion:138 Resp: 341655

Ion	Ratio	Lower	Upper
138	100		
92	54.2	34.8	74.8
108	73.3	55.9	95.9



Sample Results: **BF140981.D**

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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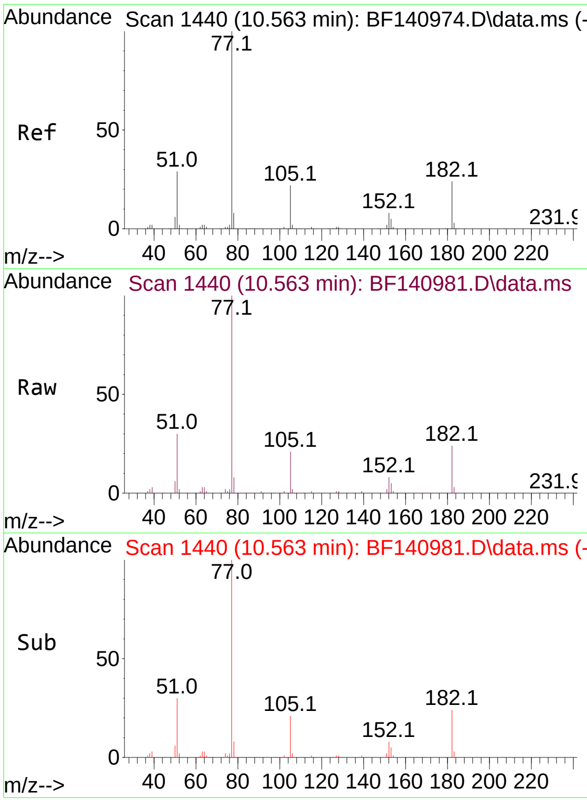
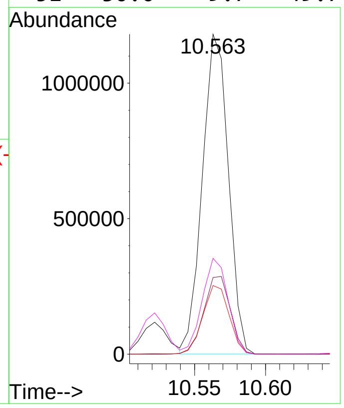
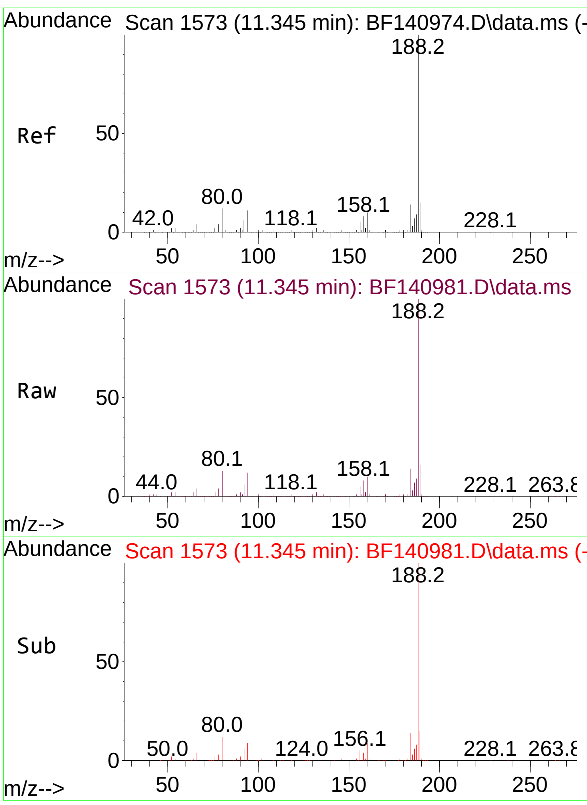


#63
Azobenzene
Concen: 38.923 ng
RT: 10.563 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion: 77 Resp: 150571

Ion	Ratio	Lower	Upper
77	100		
182	24.0	4.1	44.1
105	21.5	1.8	41.8
51	30.0	9.7	49.7

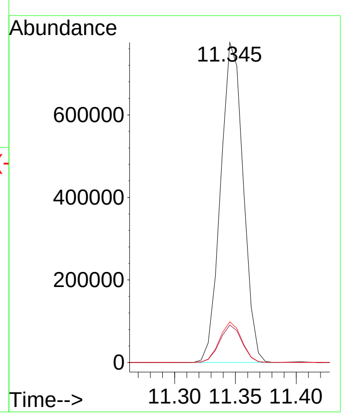




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion:188 Resp: 1005111

Ion	Ratio	Lower	Upper
188	100		
94	11.7	9.0	13.6
80	12.7	9.8	14.6



Instrument :
BNA_F
ClientSampleId :
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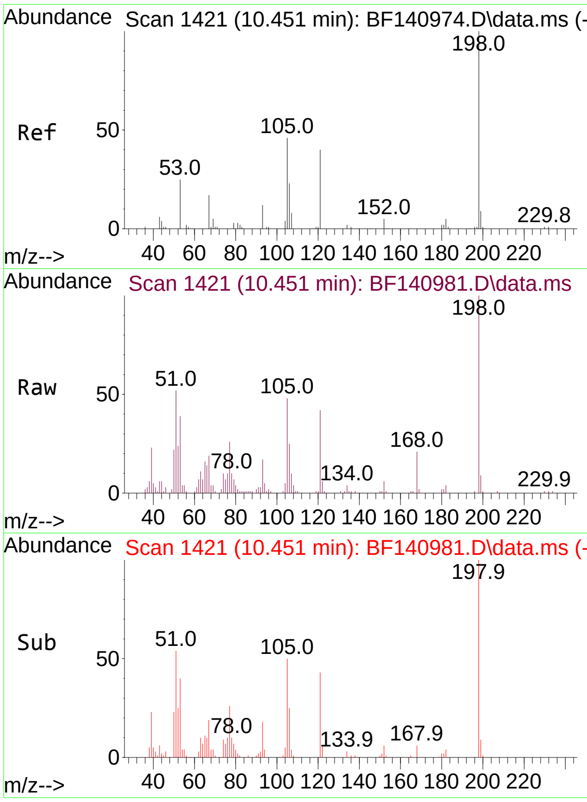
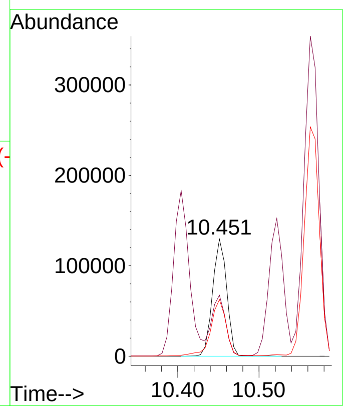
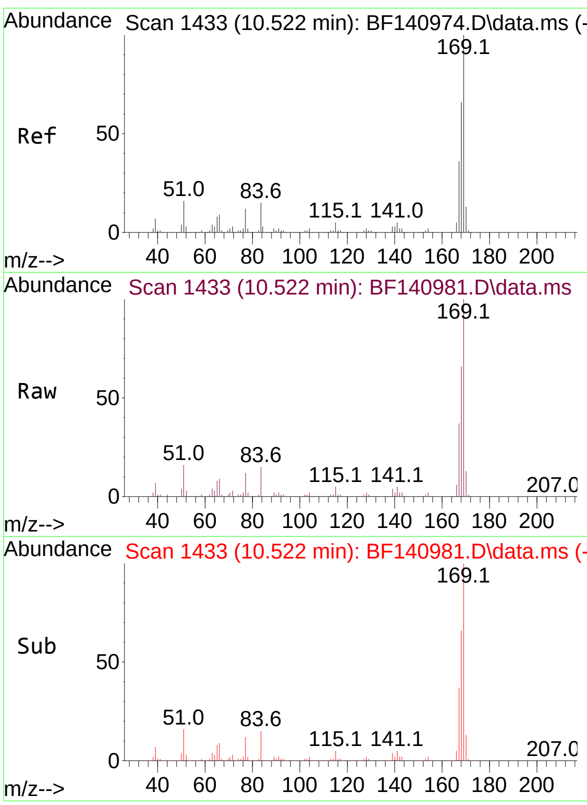



```
#65
4,6-Dinitro-2-methylphenol
Concen:   40.775 ng
RT:  10.451 min  Scan# 14
Delta R.T.  0.000 min
Lab File:   BF140981.D
Acq: 27 Dec 2024  08:19

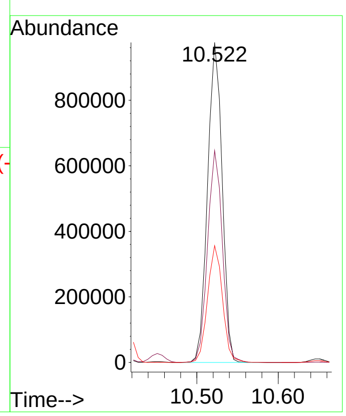
Tgt Ion:198 Resp:  156404
Ion  Ratio  Lower  Upper
198  100
 51   52.1   32.3   72.3
105   48.4   28.4   68.4
```

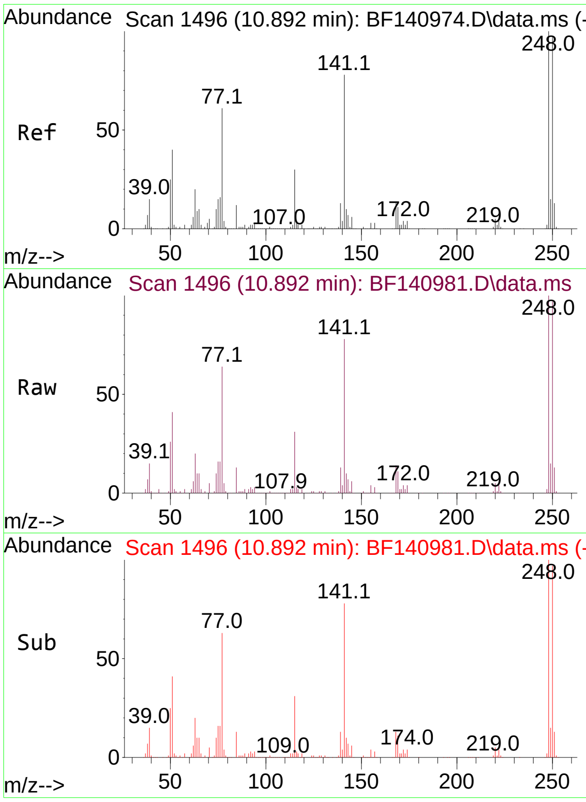





```
#66
n-Nitrosodiphenylamine
Concen:   38.382 ng
RT:  10.522 min  Scan# 1433
Delta R.T.  0.000 min
Lab File:   BF140981.D
Acq: 27 Dec 2024  08:19

Tgt Ion:169 Resp: 1214814
Ion  Ratio  Lower  Upper
169  100
168   66.2   52.6   79.0
167   36.5   29.0   43.4
```

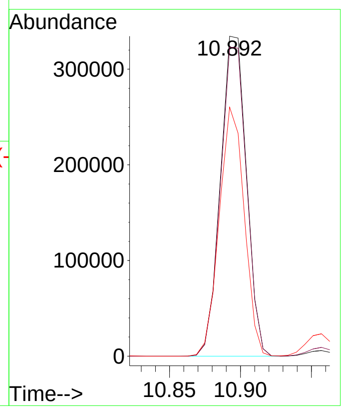




#67
4-Bromophenyl-phenylether
Concen: 39.355 ng
RT: 10.892 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion:248 Resp: 42760

Ion	Ratio	Lower	Upper
248	100		
250	96.6	77.7	116.5
141	77.8	62.1	93.1



Instrument :
BNA_F
ClientSampleId :
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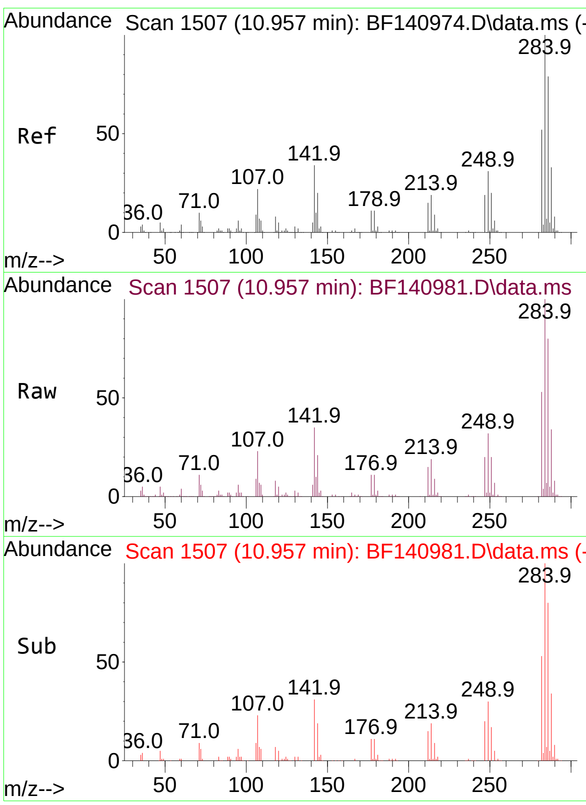
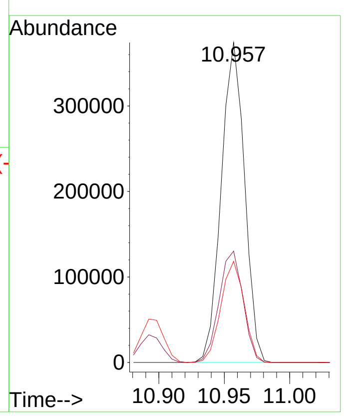
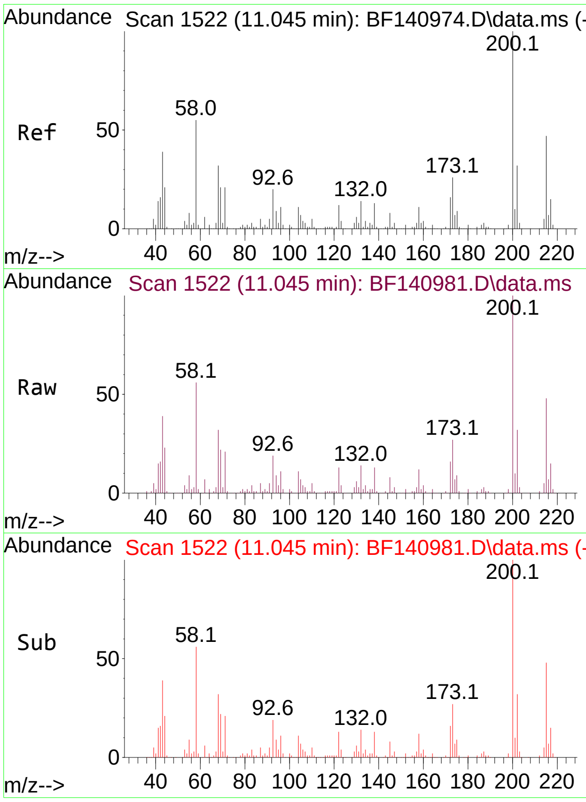


#68
Hexachlorobenzene
Concen: 38.679 ng
RT: 10.957 min Scan# 1507
Delta R.T. 0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion:284 Resp: 463413

Ion	Ratio	Lower	Upper
284	100		
142	34.8	27.1	40.7
249	31.6	25.1	37.7

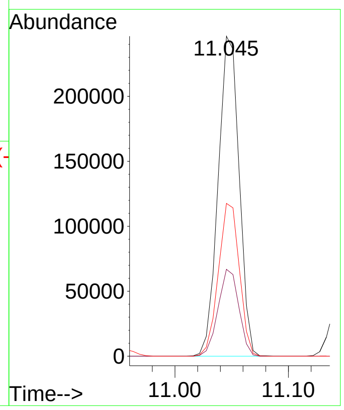




#69
Atrazine
Concen: 35.875 ng
RT: 11.045 min Scan# 1!
Delta R.T. 0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion:200 Resp: 31721

Ion	Ratio	Lower	Upper
200	100		
173	27.1	6.4	46.4
215	47.8	27.2	67.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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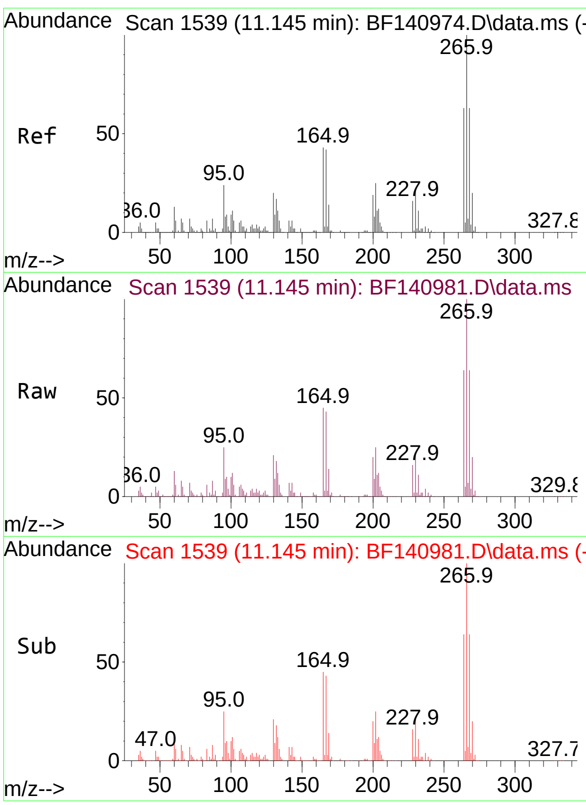
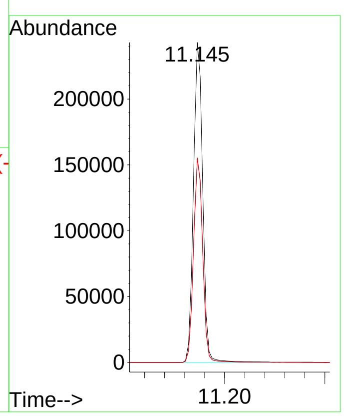
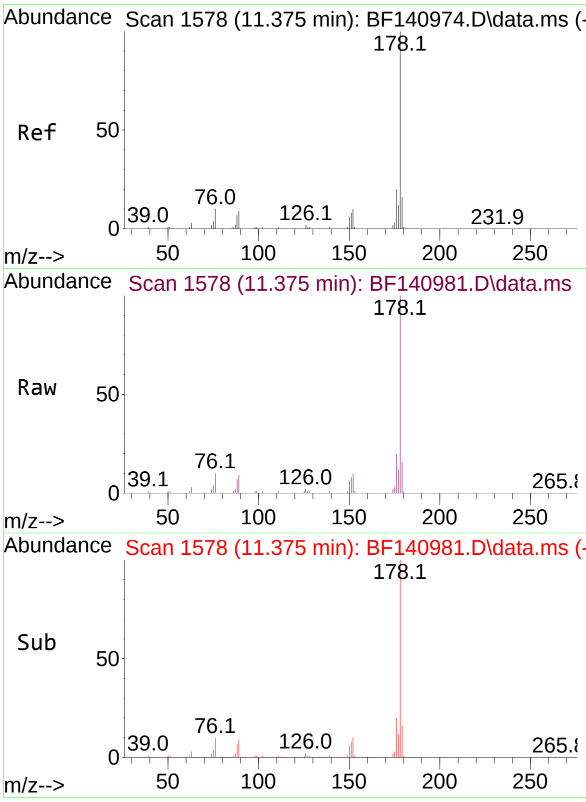


#70
Pentachlorophenol
Concen: 41.924 ng
RT: 11.145 min Scan# 1539
Delta R.T. 0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion:266 Resp: 312726

Ion	Ratio	Lower	Upper
266	100		
268	63.5	50.5	75.7
264	64.0	50.2	75.4

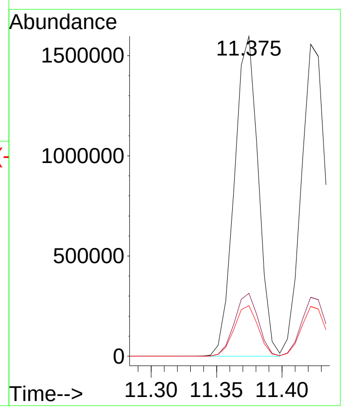




#71
Phenanthrene
Concen: 38.466 ng
RT: 11.375 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion:178 Resp: 203484

Ion	Ratio	Lower	Upper
178	100		
176	19.6	15.8	23.6
179	15.8	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
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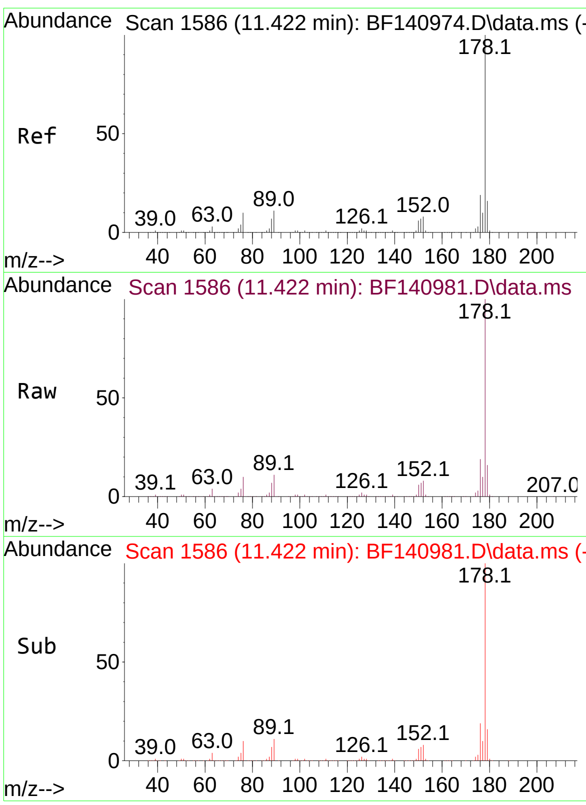
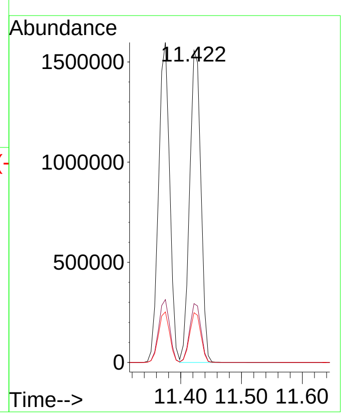
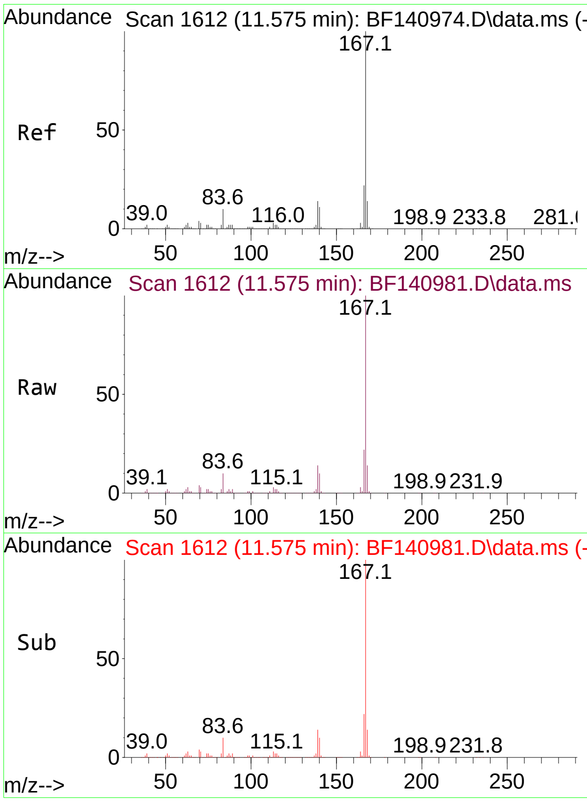


#72
Anthracene
Concen: 38.711 ng
RT: 11.422 min Scan# 1586
Delta R.T. 0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion:178 Resp: 2006587

Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	15.9	12.9	19.3

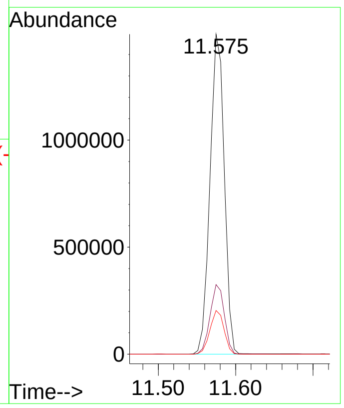




#73
Carbazole
Concen: 38.617 ng
RT: 11.575 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion:167 Resp: 192431(

Ion	Ratio	Lower	Upper
167	100		
166	21.7	17.5	26.3
139	13.7	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
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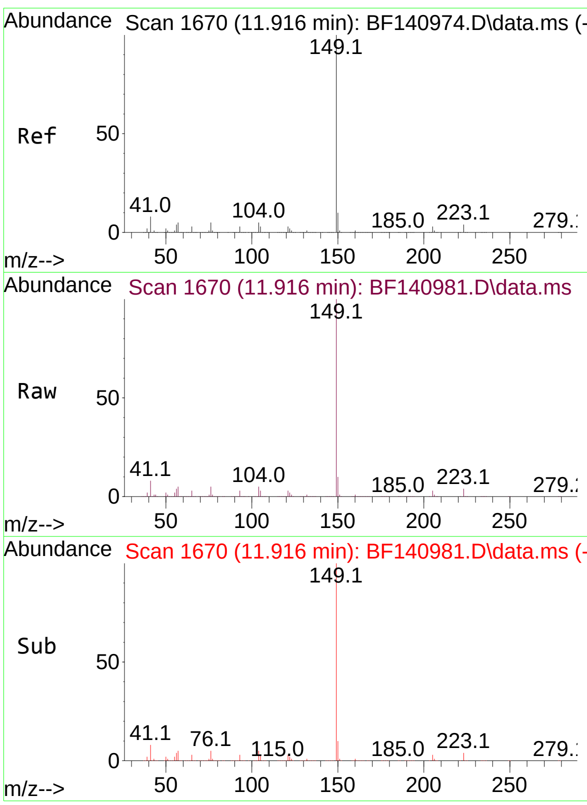
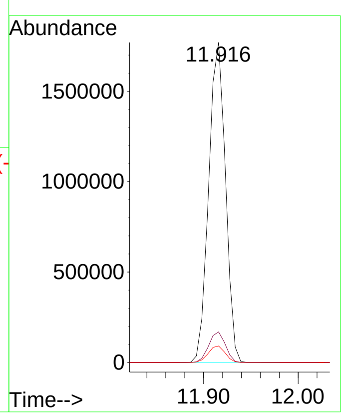
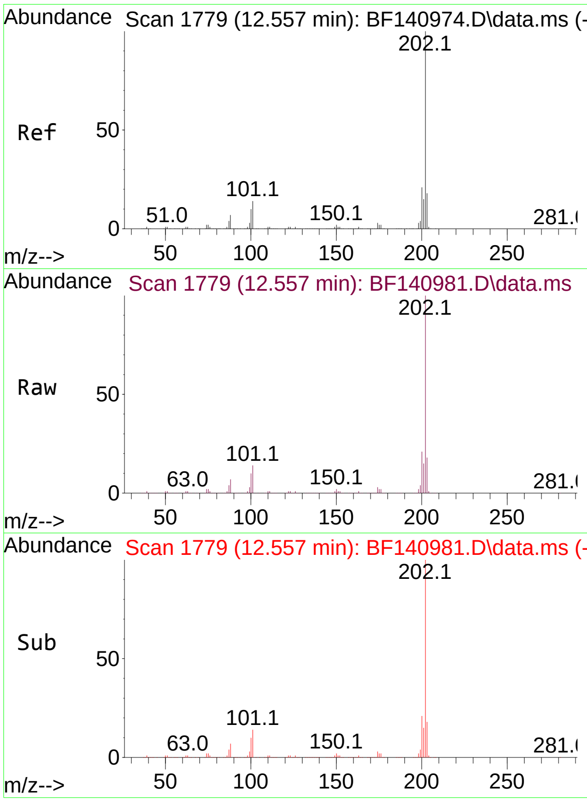


#74
Di-n-butylphthalate
Concen: 38.457 ng
RT: 11.916 min Scan# 1670
Delta R.T. 0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion:149 Resp: 2179635

Ion	Ratio	Lower	Upper
149	100		
150	9.5	7.7	11.5
104	5.1	4.1	6.1

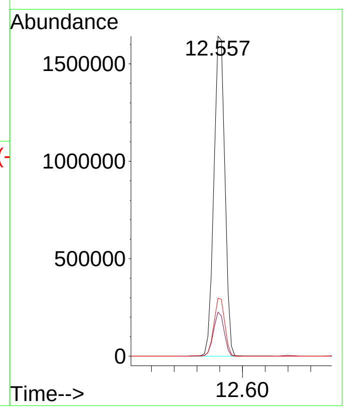




#75
Fluoranthene
Concen: 38.330 ng
RT: 12.557 min Scan# 17
Delta R.T. 0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion:202 Resp: 219914

Ion	Ratio	Lower	Upper
202	100		
101	13.8	0.0	33.7
203	18.1	0.0	38.1



Instrument :
BNA_F
ClientSampleId :
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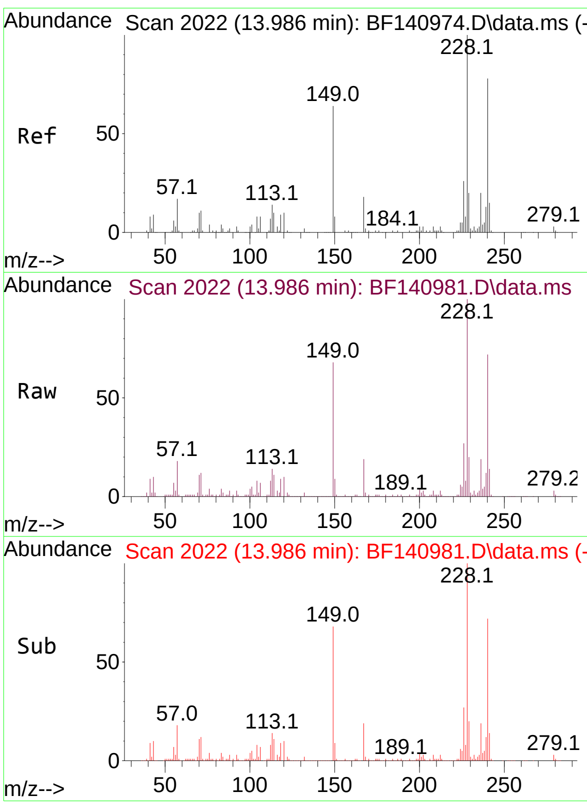
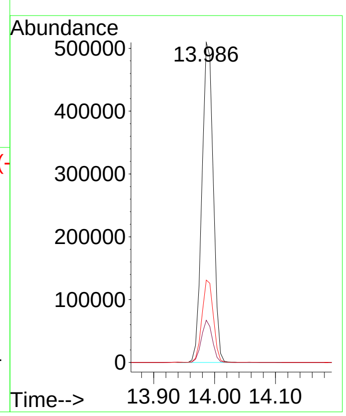
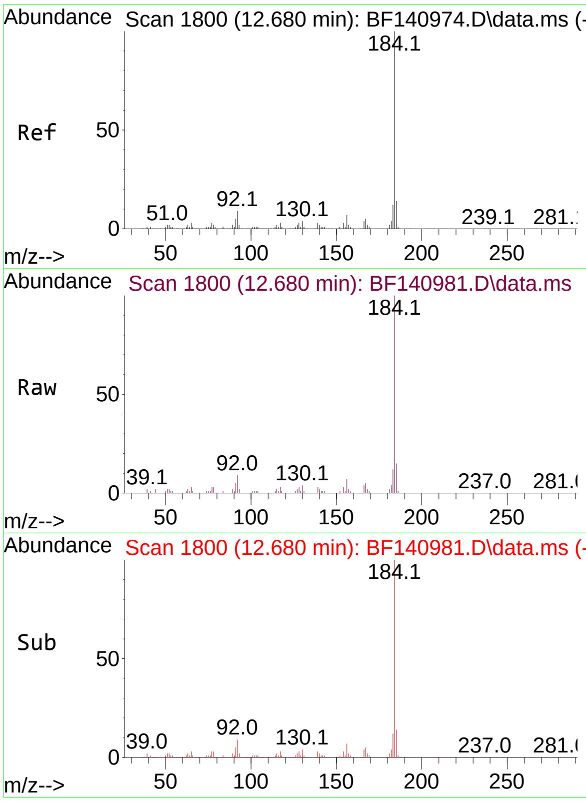


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. 0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion:240 Resp: 657302

Ion	Ratio	Lower	Upper
240	100		
120	13.2	10.7	16.1
236	25.7	20.6	31.0

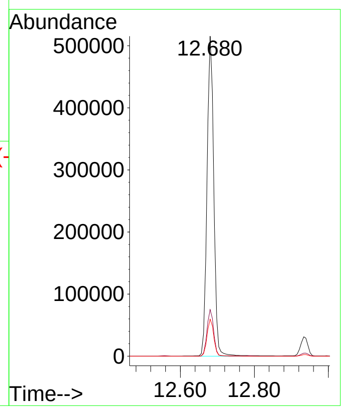




#77
Benzidine
Concen: 47.006 ng
RT: 12.680 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion:184 Resp: 65298

Ion	Ratio	Lower	Upper
184	100		
185	14.5	11.4	17.2
183	11.6	9.4	14.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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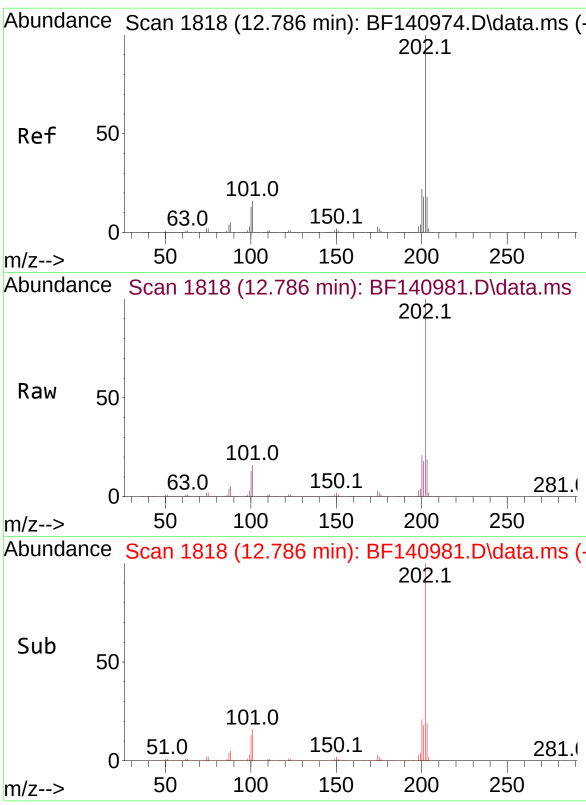
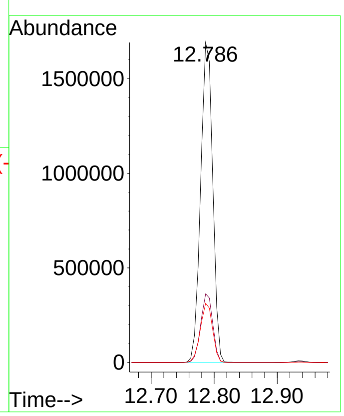
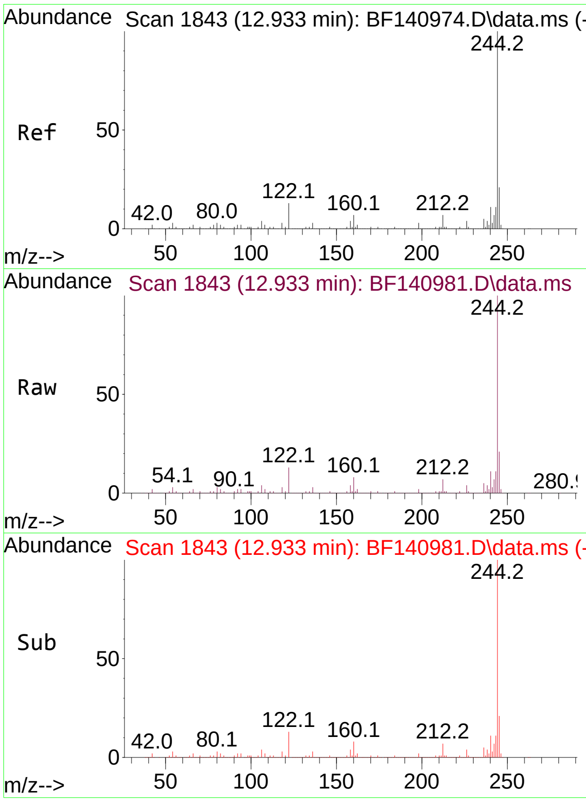


#78
Pyrene
Concen: 39.204 ng
RT: 12.786 min Scan# 1818
Delta R.T. 0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion:202 Resp: 2253664

Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.3	25.9
203	18.5	14.6	21.8

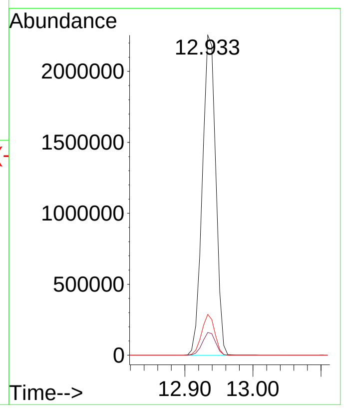




#79
Terphenyl-d14
Concen: 78.206 ng
RT: 12.933 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion:244 Resp: 309481

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	12.8	10.2	15.2



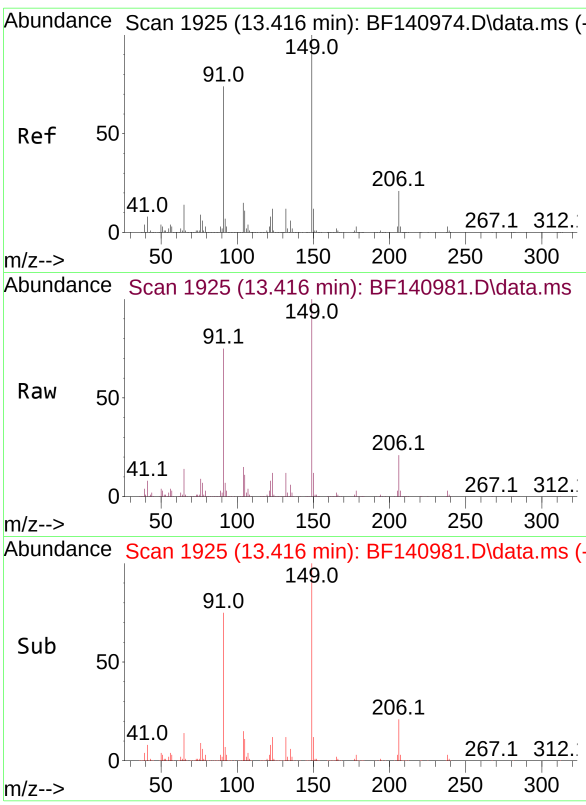
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel

12/30/2024
Supervised By :mohammad ahmed

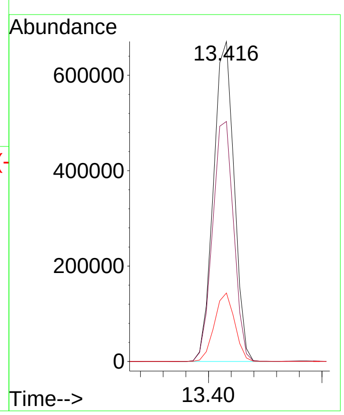
12/30/2024



#80
Butylbenzylphthalate
Concen: 40.511 ng
RT: 13.416 min Scan# 1925
Delta R.T. 0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion:149 Resp: 850382

Ion	Ratio	Lower	Upper
149	100		
91	75.0	59.5	89.3
206	21.4	17.1	25.7



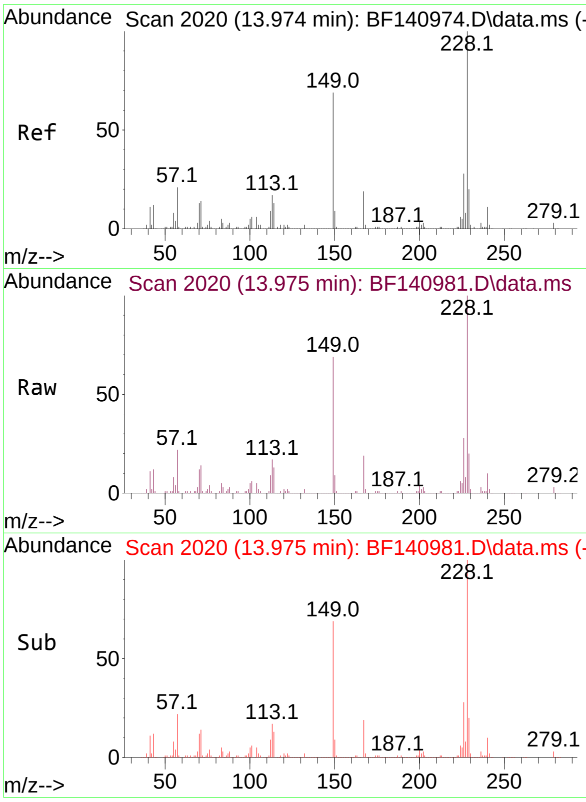
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel

12/30/2024
Supervised By :mohammad ahmed

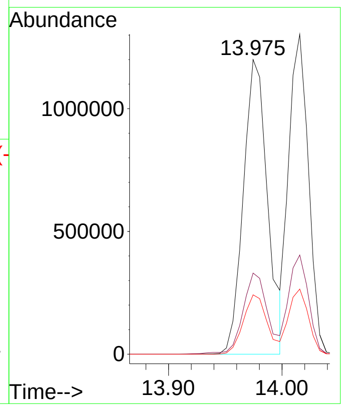
12/30/2024

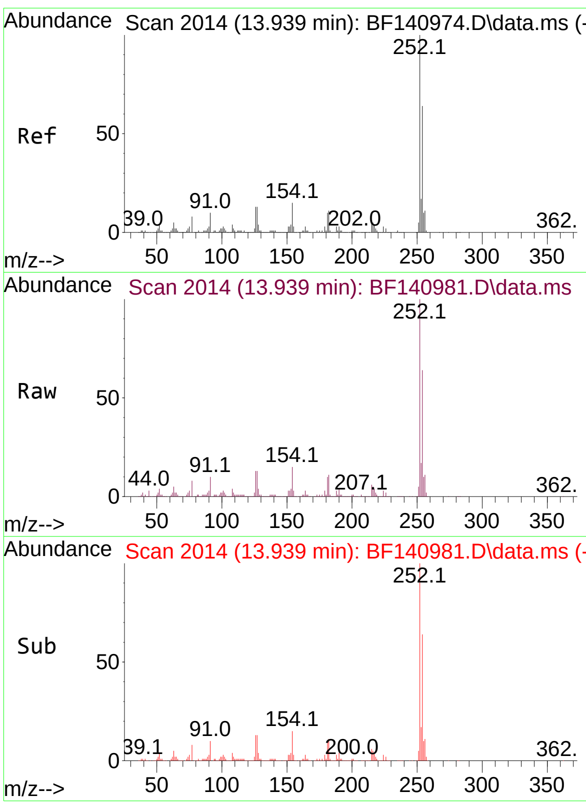


#81
Benzo(a)anthracene
Concen: 38.963 ng
RT: 13.975 min Scan# 20
Delta R.T. 0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion:228 Resp: 178487

Ion	Ratio	Lower	Upper
228	100		
226	27.5	22.1	33.1
229	20.2	16.2	24.2

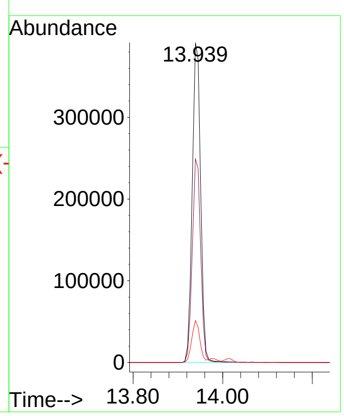




#82
3,3'-Dichlorobenzidine
Concen: 37.037 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion:252 Resp: 509758

Ion	Ratio	Lower	Upper
252	100		
254	63.6	51.5	77.3
126	13.1	10.3	15.5



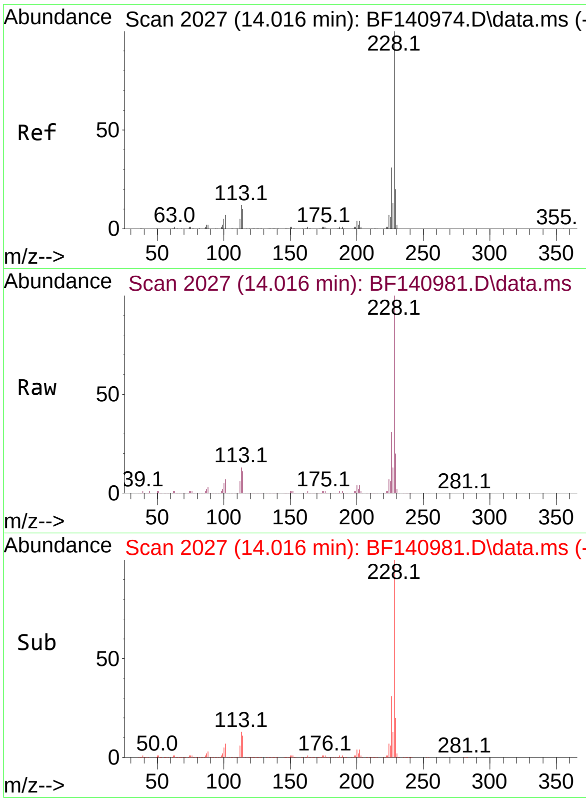
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel

12/30/2024
Supervised By :mohammad ahmed

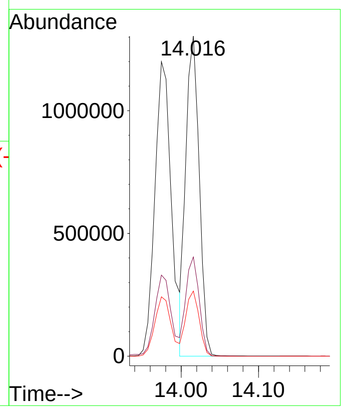
12/30/2024

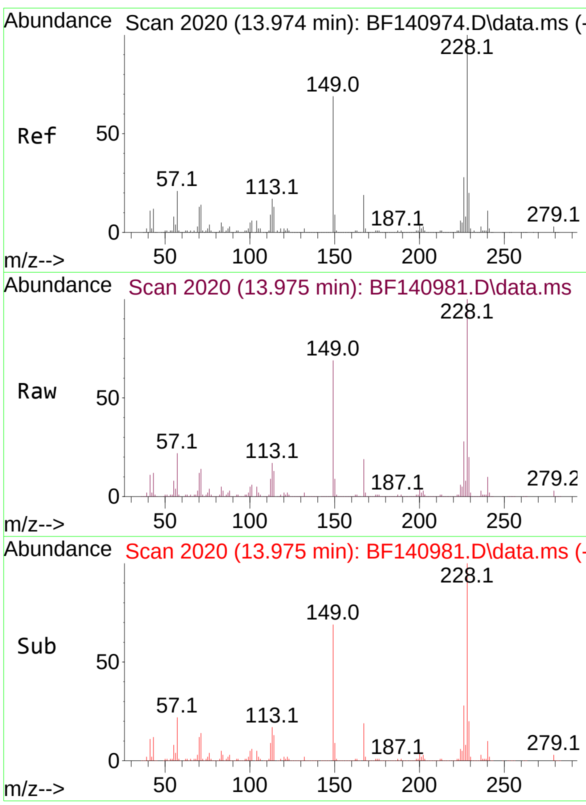


#83
Chrysene
Concen: 38.141 ng
RT: 14.016 min Scan# 2(
Delta R.T. 0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion:228 Resp: 157509

Ion	Ratio	Lower	Upper
228	100		
226	31.0	24.5	36.7
229	20.4	16.2	24.4

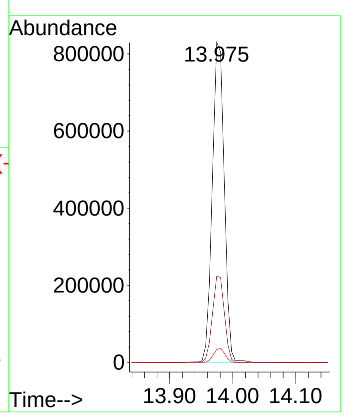


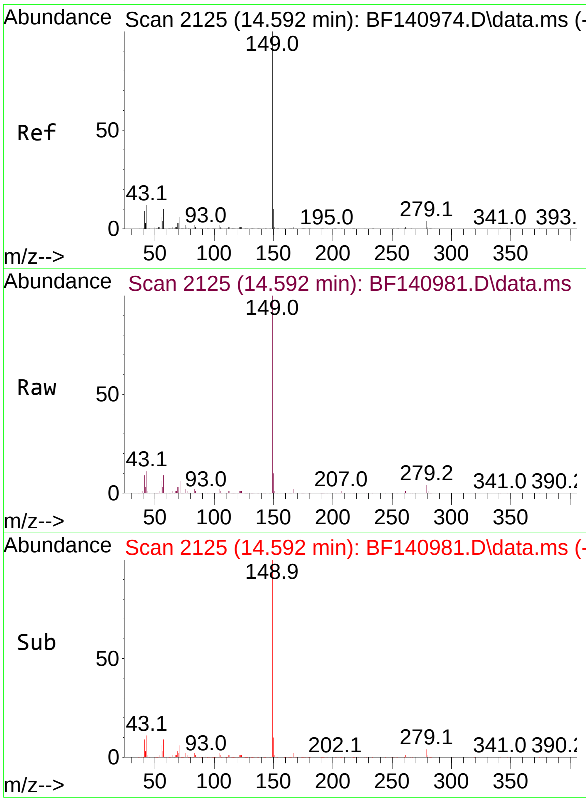


#84
Bis(2-ethylhexyl)phthalate
Concen: 40.230 ng
RT: 13.975 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion:149 Resp: 1095405

Ion	Ratio	Lower	Upper
149	100		
167	27.0	21.6	32.4
279	4.0	3.2	4.8

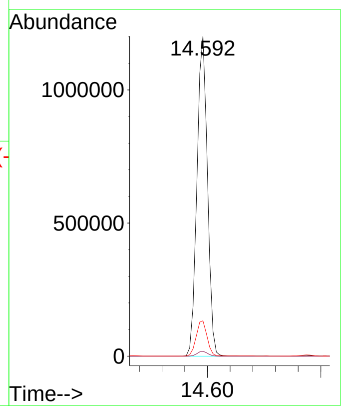




#85
Di-n-octyl phthalate
Concen: 39.462 ng
RT: 14.592 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion:149 Resp: 155518

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	11.4	9.3	13.9



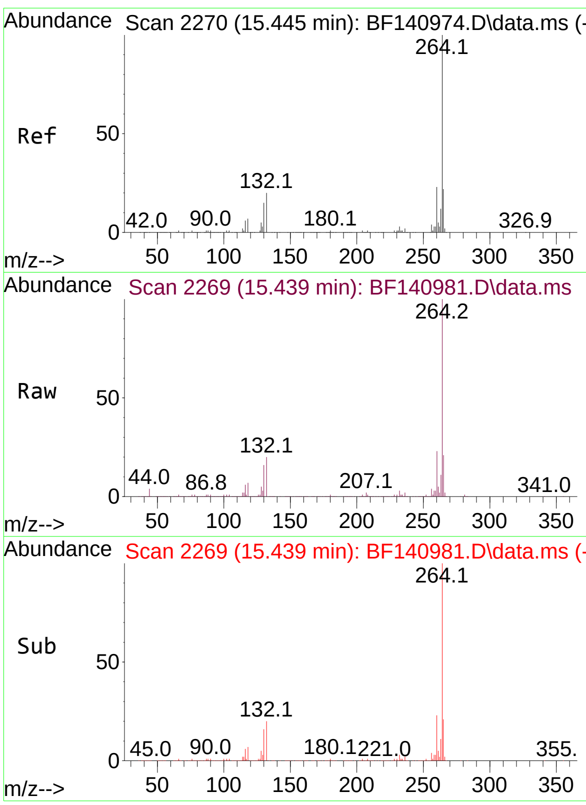
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel

12/30/2024
Supervised By :mohammad ahmed

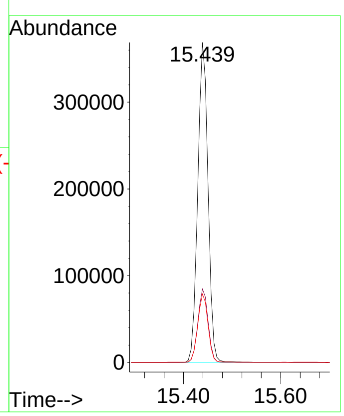
12/30/2024



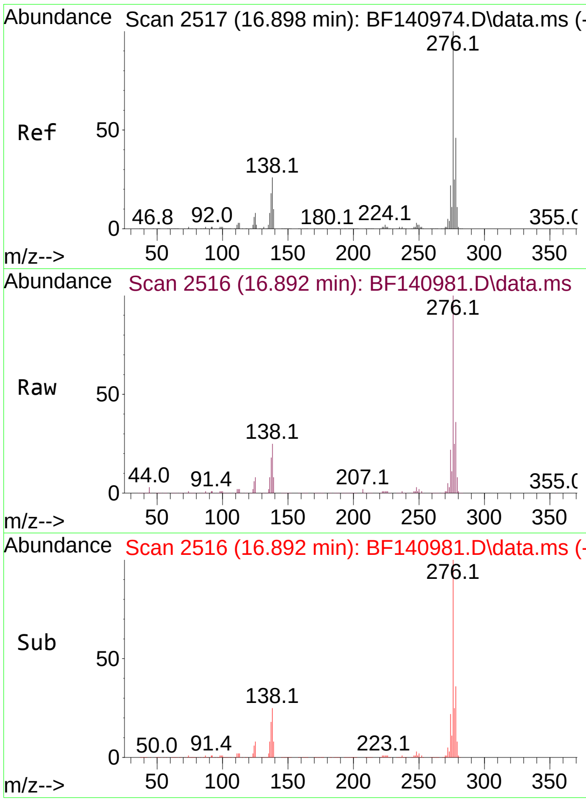
#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion:264 Resp: 544134

Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.7	28.1
265	21.4	17.4	26.2



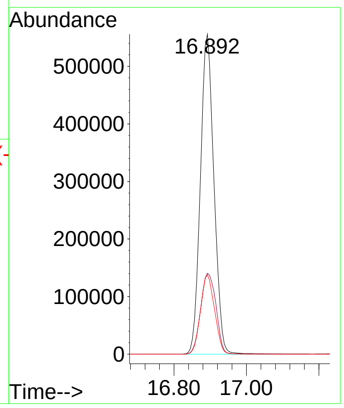
Sample Results: **BF140981.D**



#87
Indeno(1,2,3-cd)pyrene
Concen: 42.158 ng
RT: 16.892 min Scan# 2!
Delta R.T. -0.006 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion:276 Resp: 144526(

Ion	Ratio	Lower	Upper
276	100		
138	28.6	23.1	34.7
277	25.7	20.4	30.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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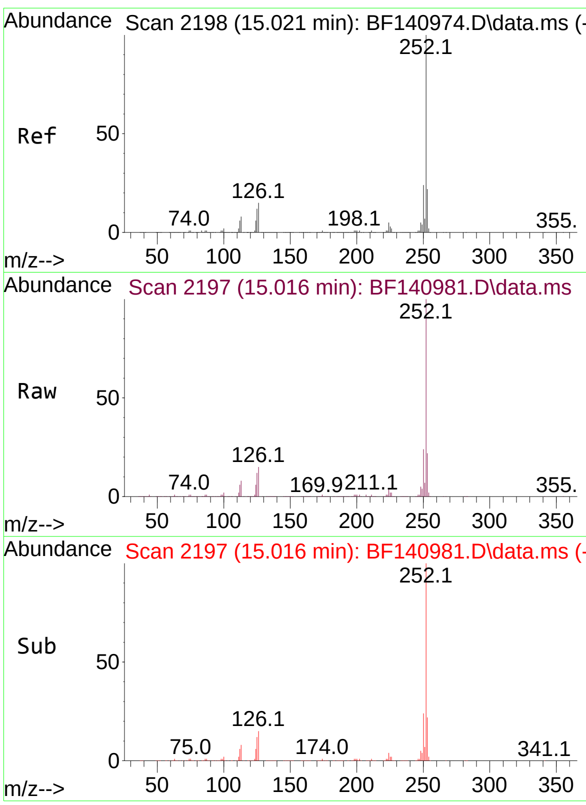
Reviewed By :Yogesh Patel

12/30/2024
Supervised By :mohammad ahmed

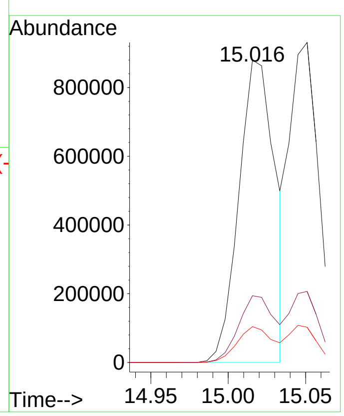
12/30/2024

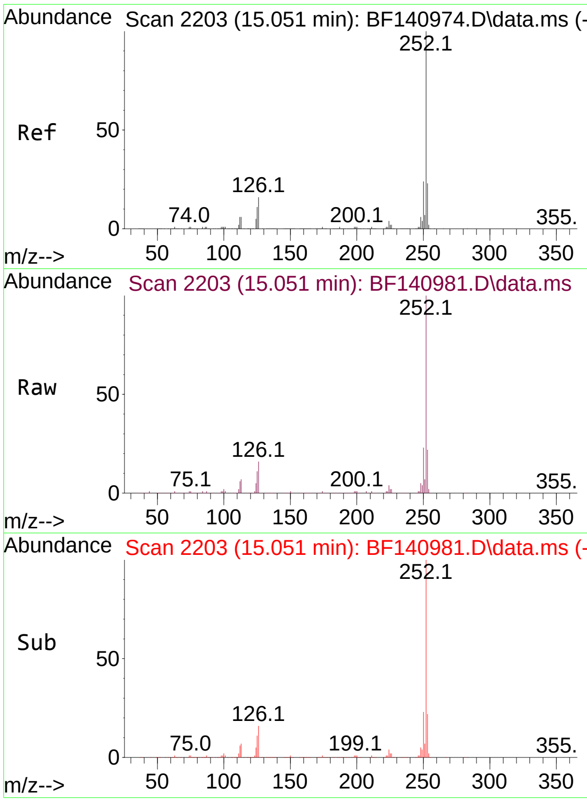


#88
Benzo(b)fluoranthene
Concen: 37.426 ng
RT: 15.016 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion:252 Resp: 1420323

Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.7	26.5
125	11.8	9.3	13.9

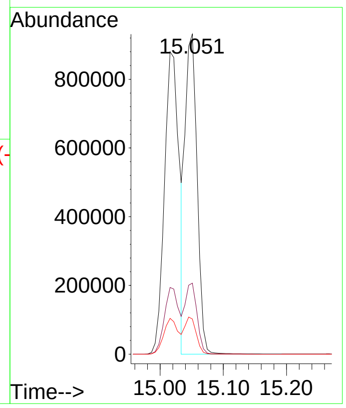




#89
Benzo(k)fluoranthene
Concen: 41.471 ng
RT: 15.051 min Scan# 2203
Delta R.T. 0.000 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion:252 Resp: 1233502

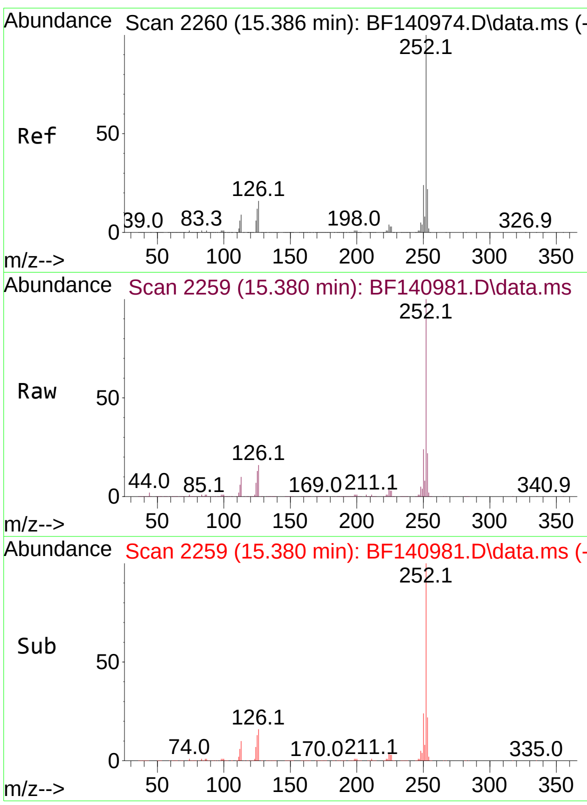
Ion	Ratio	Lower	Upper
252	100		
253	22.2	17.8	26.8
125	11.0	9.4	14.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

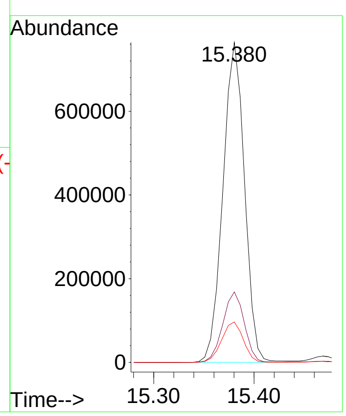
Reviewed By :Yogesh Patel
12/30/2024
Supervised By :mohammad ahmed
12/30/2024

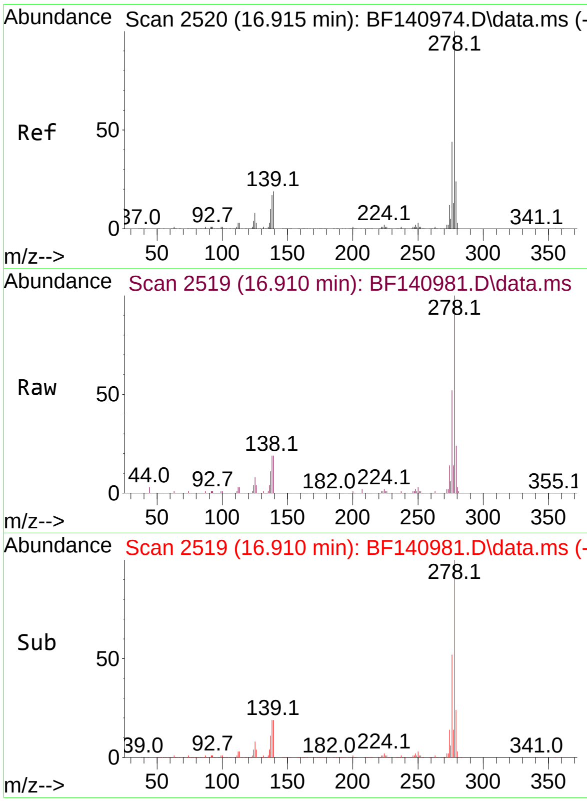


#90
Benzo(a)pyrene
Concen: 38.650 ng
RT: 15.380 min Scan# 2259
Delta R.T. -0.006 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion:252 Resp: 1138486

Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.2	25.8
125	12.6	9.8	14.8

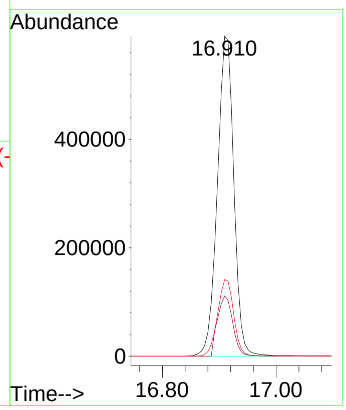




#91
Dibenzo(a,h)anthracene
Concen: 42.803 ng
RT: 16.910 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion:278 Resp: 118945

Ion	Ratio	Lower	Upper
278	100		
139	18.8	14.9	22.3
279	24.0	19.0	28.6



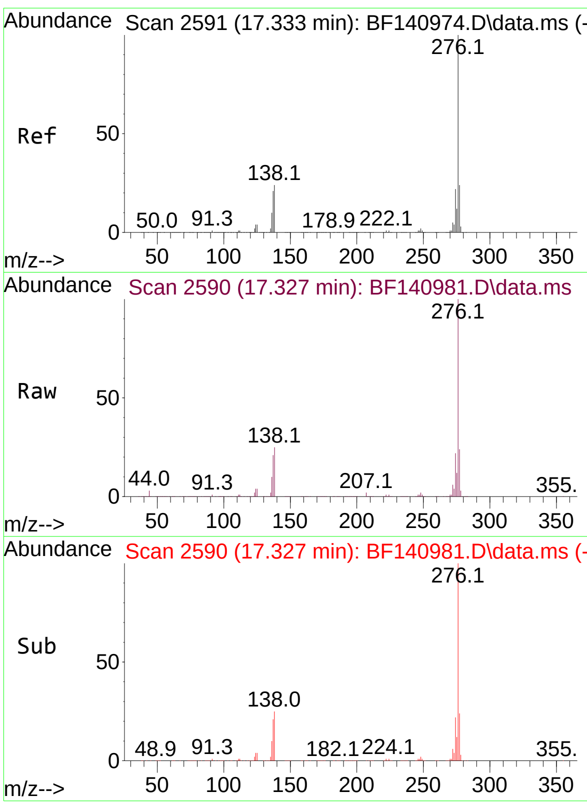
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

Reviewed By :Yogesh Patel

12/30/2024
Supervised By :mohammad ahmed

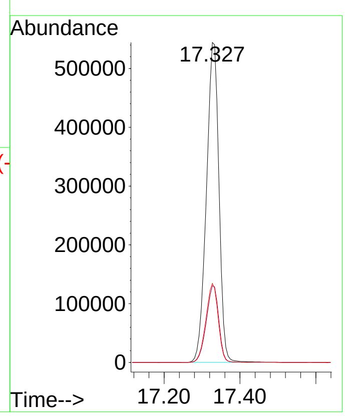
12/30/2024



#92
Benzo(g,h,i)perylene
Concen: 43.218 ng
RT: 17.327 min Scan# 2590
Delta R.T. -0.006 min
Lab File: BF140981.D
Acq: 27 Dec 2024 08:19

Tgt Ion:276 Resp: 1245650

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.0	28.4
138	24.7	19.4	29.2



Evaluate Continuing Calibration Report

Sample Results: **BF140981.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140981.D
Acq On : 27 Dec 2024 08:19
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Dec 27 10:37:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	106	0.00
2		1,4-Dioxane	0.601	0.591	1.7	105	0.00
3		Pyridine	1.468	1.437	2.1	106	0.00
4		n-Nitrosodimethylamine	0.744	0.722	3.0	103	0.00
5	S	2-Fluorophenol	1.327	1.248	6.0	103	0.00
6		Aniline	1.524	1.546	-1.4	102	-0.02
7	S	Phenol-d6	1.709	1.608	5.9	103	0.00
8		2-Chlorophenol	1.399	1.344	3.9	103	0.00
9		Benzaldehyde	0.941	0.832	11.6	103	0.00
10	C	Phenol	1.767	1.695	4.1	103	0.00
11		bis(2-Chloroethyl)ether	1.427	1.310	8.2	102	0.00
12		1,3-Dichlorobenzene	1.544	1.478	4.3	104	0.00
13	C	1,4-Dichlorobenzene	1.556	1.493	4.0	105	0.00
14		1,2-Dichlorobenzene	1.451	1.386	4.5	104	0.00
15		Benzyl Alcohol	1.228	1.158	5.7	101	0.00
16		2,2'-oxybis(1-Chloropropane	2.158	2.034	5.7	103	0.00
17		2-Methylphenol	1.162	1.107	4.7	102	0.00
18		Hexachloroethane	0.553	0.535	3.3	105	0.00
19	P	n-Nitroso-di-n-propylamine	1.047	0.964	7.9	102	0.00
20		3+4-Methylphenols	1.471	1.384	5.9	102	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	103	0.00
22		Acetophenone	0.491	0.468	4.7	103	0.00
23	S	Nitrobenzene-d5	0.313	0.342	-9.3	108	0.00
24		Nitrobenzene	0.349	0.377	-8.0	106	0.00
25		Isophorone	0.680	0.650	4.4	102	0.00
26	C	2-Nitrophenol	0.118	0.139	-17.8	113	0.00
27		2,4-Dimethylphenol	0.249	0.240	3.6	102	0.00
28		bis(2-Chloroethoxy)methane	0.431	0.413	4.2	102	0.00
29	C	2,4-Dichlorophenol	0.282	0.280	0.7	104	0.00
30		1,2,4-Trichlorobenzene	0.319	0.314	1.6	104	0.00
31		Naphthalene	1.054	1.008	4.4	102	0.00
32		Benzoic acid	0.178	0.190	-6.7	110	0.00
33		4-Chloroaniline	0.381	0.367	3.7	103	0.00
34	C	Hexachlorobutadiene	0.188	0.184	2.1	104	0.00
35		Caprolactam	0.096	0.093	3.1	102	0.00
36	C	4-Chloro-3-methylphenol	0.313	0.302	3.5	101	0.00
37		2-Methylnaphthalene	0.674	0.645	4.3	104	0.00
38		1-Methylnaphthalene	0.663	0.626	5.6	102	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	102	0.00
40		1,2,4,5-Tetrachlorobenzene	0.550	0.543	1.3	104	0.00
41	P	Hexachlorocyclopentadiene	0.182	0.185	-1.6	101	0.00
42	S	2,4,6-Tribromophenol	0.194	0.203	-4.6	106	0.00
43	C	2,4,6-Trichlorophenol	0.366	0.367	-0.3	103	0.00
44		2,4,5-Trichlorophenol	0.375	0.390	-4.0	105	0.00
45	S	2-Fluorobiphenyl	1.255	1.200	4.4	104	0.00
46		1,1'-Biphenyl	1.531	1.500	2.0	104	0.00
47		2-Chloronaphthalene	1.188	1.164	2.0	104	0.00

Evaluate Continuing Calibration Report

Sample Results: **BF140981.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140981.D
Acq On : 27 Dec 2024 08:19
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Dec 27 10:37:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48	2-Nitroaniline	0.259	0.318	-22.8	113	0.00
49	Acenaphthylene	1.710	1.661	2.9	103	0.00
50	Dimethylphthalate	1.316	1.287	2.2	102	0.00
51	2,6-Dinitrotoluene	0.231	0.282	-22.1	113	0.00
52 C	Acenaphthene	1.156	1.131	2.2	103	0.00
53	3-Nitroaniline	0.255	0.307	-20.4	111	0.00
54 P	2,4-Dinitrophenol	0.075	0.081	-8.0	116	0.00
55	Dibenzofuran	1.624	1.579	2.8	103	0.00
56 P	4-Nitrophenol	0.225	0.246	-9.3	110	0.00
57	2,4-Dinitrotoluene	0.273	0.349	-27.8#	115	0.00
58	Fluorene	1.260	1.205	4.4	103	0.00
59	2,3,4,6-Tetrachlorophenol	0.310	0.318	-2.6	104	0.00
60	Diethylphthalate	1.299	1.273	2.0	103	0.00
61	4-Chlorophenyl-phenylether	0.606	0.589	2.8	104	0.00
62	4-Nitroaniline	0.255	0.301	-18.0	110	0.00
63	Azobenzene	1.363	1.326	2.7	103	0.00
64 I	Phenanthrene-d10	1.000	1.000	0.0	103	0.00
65	4,6-Dinitro-2-methylphenol	0.067	0.078	-16.4	120	0.00
66 c	n-Nitrosodiphenylamine	0.630	0.604	4.1	102	0.00
67	4-Bromophenyl-phenylether	0.216	0.213	1.4	103	0.00
68	Hexachlorobenzene	0.238	0.231	2.9	102	0.00
69	Atrazine	0.176	0.158	10.2	103	0.00
70 C	Pentachlorophenol	0.148	0.156	-5.4	103	0.00
71	Phenanthrene	1.053	1.012	3.9	103	0.00
72	Anthracene	1.031	0.998	3.2	103	0.00
73	Carbazole	0.992	0.957	3.5	104	0.00
74	Di-n-butylphthalate	1.128	1.084	3.9	103	0.00
75 C	Fluoranthene	1.142	1.094	4.2	103	0.00
76 I	Chrysene-d12	1.000	1.000	0.0	101	0.00
77	Benzidine	0.423	0.497	-17.5	121	0.00
78	Pyrene	1.749	1.714	2.0	102	0.00
79 S	Terphenyl-d14	1.204	1.177	2.2	104	0.00
80	Butylbenzylphthalate	0.639	0.647	-1.3	99	0.00
81	Benzo(a)anthracene	1.394	1.358	2.6	100	0.00
82	3,3'-Dichlorobenzidine	0.419	0.388	7.4	97	0.00
83	Chrysene	1.257	1.198	4.7	100	0.00
84	Bis(2-ethylhexyl)phthalate	0.828	0.833	-0.6	102	0.00
85 c	Di-n-octyl phthalate	1.199	1.183	1.3	99	0.00
86 I	Perylene-d12	1.000	1.000	0.0	102	0.00
87	Indeno(1,2,3-cd)pyrene	1.260	1.328	-5.4	104	0.00
88	Benzo(b)fluoranthene	1.395	1.305	6.5	94	0.00
89	Benzo(k)fluoranthene	1.093	1.133	-3.7	109	0.00
90 C	Benzo(a)pyrene	1.083	1.046	3.4	100	0.00
91	Dibenzo(a,h)anthracene	1.021	1.093	-7.1	105	0.00
92	Benzo(g,h,i)perylene	1.059	1.145	-8.1	104	0.00

Sample Results: **BF140981.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140981.D
Acq On   : 27 Dec 2024 08:19
Operator : RC/JU
Sample   : SSTDCCC040
Misc   :
ALS Vial : 2   Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Dec 27 10:37:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Min. RRF   :   0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25%   Max. Rel. Area : 150%

Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

(#) = Out of Range   SPCC's out = 0 CCC's out = 0

Sample Results: **BF140981.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140981.D
Acq On : 27 Dec 2024 08:19
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Dec 27 10:37:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	106	0.00
2		1,4-Dioxane	40.000	39.333	1.7	105	0.00
3		Pyridine	40.000	39.155	2.1	106	0.00
4		n-Nitrosodimethylamine	40.000	38.840	2.9	103	0.00
5	S	2-Fluorophenol	80.000	75.219	6.0	103	0.00
6		Aniline	40.000	40.556	-1.4	102	-0.02
7	S	Phenol-d6	80.000	75.243	5.9	103	0.00
8		2-Chlorophenol	40.000	38.419	4.0	103	0.00
9		Benzaldehyde	40.000	39.803	0.5	103	0.00
10	C	Phenol	40.000	38.352	4.1	103	0.00
11		bis(2-Chloroethyl)ether	40.000	36.719	8.2	102	0.00
12		1,3-Dichlorobenzene	40.000	38.307	4.2	104	0.00
13	C	1,4-Dichlorobenzene	40.000	38.373	4.1	105	0.00
14		1,2-Dichlorobenzene	40.000	38.206	4.5	104	0.00
15		Benzyl Alcohol	40.000	37.714	5.7	101	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	37.702	5.7	103	0.00
17		2-Methylphenol	40.000	38.114	4.7	102	0.00
18		Hexachloroethane	40.000	38.697	3.3	105	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	36.840	7.9	102	0.00
20		3+4-Methylphenols	40.000	37.641	5.9	102	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	103	0.00
22		Acetophenone	40.000	38.115	4.7	103	0.00
23	S	Nitrobenzene-d5	80.000	87.518	-9.4	108	0.00
24		Nitrobenzene	40.000	43.194	-8.0	106	0.00
25		Isophorone	40.000	38.222	4.4	102	0.00
26	C	2-Nitrophenol	40.000	39.841	0.4	113	0.00
27		2,4-Dimethylphenol	40.000	38.572	3.6	102	0.00
28		bis(2-Chloroethoxy)methane	40.000	38.286	4.3	102	0.00
29	C	2,4-Dichlorophenol	40.000	39.760	0.6	104	0.00
30		1,2,4-Trichlorobenzene	40.000	39.378	1.6	104	0.00
31		Naphthalene	40.000	38.264	4.3	102	0.00
32		Benzoic acid	40.000	38.901	2.7	110	0.00
33		4-Chloroaniline	40.000	38.537	3.7	103	0.00
34	C	Hexachlorobutadiene	40.000	39.043	2.4	104	0.00
35		Caprolactam	40.000	38.767	3.1	102	0.00
36	C	4-Chloro-3-methylphenol	40.000	38.590	3.5	101	0.00
37		2-Methylnaphthalene	40.000	38.292	4.3	104	0.00
38		1-Methylnaphthalene	40.000	37.780	5.5	102	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	102	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	39.489	1.3	104	0.00
41	P	Hexachlorocyclopentadiene	40.000	40.546	-1.4	101	0.00
42	S	2,4,6-Tribromophenol	80.000	83.751	-4.7	106	0.00
43	C	2,4,6-Trichlorophenol	40.000	40.039	-0.1	103	0.00
44		2,4,5-Trichlorophenol	40.000	41.666	-4.2	105	0.00
45	S	2-Fluorobiphenyl	80.000	76.481	4.4	104	0.00
46		1,1'-Biphenyl	40.000	39.174	2.1	104	0.00
47		2-Chloronaphthalene	40.000	39.194	2.0	104	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140981.D
Acq On : 27 Dec 2024 08:19
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Dec 27 10:37:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

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	41.569	-3.9	113	0.00
49	Acenaphthylene	40.000	38.857	2.9	103	0.00
50	Dimethylphthalate	40.000	39.119	2.2	102	0.00
51	2,6-Dinitrotoluene	40.000	42.567	-6.4	113	0.00
52 C	Acenaphthene	40.000	39.132	2.2	103	0.00
53	3-Nitroaniline	40.000	42.429	-6.1	111	0.00
54 P	2,4-Dinitrophenol	40.000	41.265	-3.2	116	0.00
55	Dibenzofuran	40.000	38.885	2.8	103	0.00
56 P	4-Nitrophenol	40.000	43.750	-9.4	110	0.00
57	2,4-Dinitrotoluene	40.000	42.991	-7.5	115	0.00
58	Fluorene	40.000	38.258	4.4	103	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	40.984	-2.5	104	0.00
60	Diethylphthalate	40.000	39.217	2.0	103	0.00
61	4-Chlorophenyl-phenylether	40.000	38.863	2.8	104	0.00
62	4-Nitroaniline	40.000	41.772	-4.4	110	0.00
63	Azobenzene	40.000	38.923	2.7	103	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	103	0.00
65	4,6-Dinitro-2-methylphenol	40.000	40.775	-1.9	120	0.00
66 c	n-Nitrosodiphenylamine	40.000	38.382	4.0	102	0.00
67	4-Bromophenyl-phenylether	40.000	39.355	1.6	103	0.00
68	Hexachlorobenzene	40.000	38.679	3.3	102	0.00
69	Atrazine	40.000	35.875	10.3	103	0.00
70 C	Pentachlorophenol	40.000	41.924	-4.8	103	0.00
71	Phenanthrene	40.000	38.466	3.8	103	0.00
72	Anthracene	40.000	38.711	3.2	103	0.00
73	Carbazole	40.000	38.617	3.5	104	0.00
74	Di-n-butylphthalate	40.000	38.457	3.9	103	0.00
75 C	Fluoranthene	40.000	38.330	4.2	103	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	101	0.00
77	Benzidine	40.000	47.006	-17.5	121	0.00
78	Pyrene	40.000	39.204	2.0	102	0.00
79 S	Terphenyl-d14	80.000	78.206	2.2	104	0.00
80	Butylbenzylphthalate	40.000	40.511	-1.3	99	0.00
81	Benzo(a)anthracene	40.000	38.963	2.6	100	0.00
82	3,3'-Dichlorobenzidine	40.000	37.037	7.4	97	0.00
83	Chrysene	40.000	38.141	4.6	100	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	40.230	-0.6	102	0.00
85 c	Di-n-octyl phthalate	40.000	39.462	1.3	99	0.00
86 I	Perylene-d12	20.000	20.000	0.0	102	0.00
87	Indeno(1,2,3-cd)pyrene	40.000	42.158	-5.4	104	0.00
88	Benzo(b)fluoranthene	40.000	37.426	6.4	94	0.00
89	Benzo(k)fluoranthene	40.000	41.471	-3.7	109	0.00
90 C	Benzo(a)pyrene	40.000	38.650	3.4	100	0.00
91	Dibenzo(a,h)anthracene	40.000	42.803	-7.0	105	0.00
92	Benzo(g,h,i)perylene	40.000	43.218	-8.0	104	0.00

Sample Results: **BF140981.D**

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

```
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140981.D
Acq On    : 27 Dec 2024  08:19
Operator  : RC/JU
Sample    : SSTDCCC040
Misc      :
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: Dec 27 10:37:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration


Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  25%     Max. Rel. Area : 150%

       Compound                      Amount  Calc.     %Dev Area% Dev(min)
-------------------------------------------------------------------------

  (#) = Out of Range               SPCC's out = 0  CCC's out = 0
```

Alliance TECHNICAL GROUP

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: PARS02

Lab Code: CHEM Case No.: P5362 SAS No.: P5362 SDG No.: P5362

Instrument ID: BNA_F Calibration Date/Time: 12/27/2024 13:59

Lab File ID: BF140994.D Init. Calib. Date(s): 12/26/2024 12/26/2024

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 16:23 19:25

GC Column: DB-UI ID: 0.18 (mm)

COMPOUND	$\overline{RRF}$	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.327	1.268		-4.4	
Benzaldehyde	0.941	0.913		-3.0	
Phenol-d6	1.709	1.624		-5.0	
Phenol	1.767	1.701		-3.7	20.0
bis(2-Chloroethyl)ether	1.427	1.317		-7.7	
2-Chlorophenol	1.399	1.354		-3.2	
2-Methylphenol	1.162	1.114		-4.1	
2,2-oxybis(1-Chloropropane)	2.158	2.044		-5.3	
Acetophenone	0.491	0.466		-5.1	
3+4-Methylphenols	1.471	1.414		-3.9	
n-Nitroso-di-n-propylamine	1.047	0.967	0.050	-7.6	
Nitrobenzene-d5	0.313	0.359		14.7	
Hexachloroethane	0.553	0.541		-2.2	
Nitrobenzene	0.349	0.391		12.0	
Isophorone	0.680	0.647		-4.9	
2-Nitrophenol	0.118	0.160		35.6	20.0
2,4-Dimethylphenol	0.249	0.244		-2.0	
bis(2-Chloroethoxy)methane	0.431	0.409		-5.1	
2,4-Dichlorophenol	0.282	0.279		-1.1	20.0
Naphthalene	1.054	1.013		-3.9	
4-Chloroaniline	0.381	0.362		-5.0	
Hexachlorobutadiene	0.188	0.183		-2.7	20.0
Caprolactam	0.096	0.094		-2.1	
4-Chloro-3-methylphenol	0.313	0.303		-3.2	20.0
2-Methylnaphthalene	0.674	0.646		-4.2	
Hexachlorocyclopentadiene	0.182	0.186	0.050	2.2	
2,4,6-Trichlorophenol	0.366	0.367		0.3	20.0
2-Fluorobiphenyl	1.255	1.178		-6.1	
2,4,5-Trichlorophenol	0.375	0.386		2.9	
1,1-Biphenyl	1.531	1.482		-3.2	
2-Chloronaphthalene	1.188	1.140		-4.0	
2-Nitroaniline	0.259	0.349		34.7	
Dimethylphthalate	1.316	1.281		-2.7	
Acenaphthylene	1.710	1.661		-2.9	
2,6-Dinitrotoluene	0.231	0.296		28.1	
3-Nitroaniline	0.255	0.320		25.5	
Acenaphthene	1.156	1.122		-2.9	20.0
2,4-Dinitrophenol	0.075	0.099	0.050	32.0	
4-Nitrophenol	0.225	0.246	0.050	9.3	

Raw Data: **BF140994.D**

Alliance TECHNICAL GROUP

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH   Contract: PARS02

Lab Code: CHEM   Case No.: P5362   SAS No.: P5362   SDG No.: P5362

Instrument ID: BNA_F   Calibration Date/Time: 12/27/2024 13:59

Lab File ID: BF140994.D   Init. Calib. Date(s): 12/26/2024 12/26/2024

EPA Sample No.: SSTDCCC040   Init. Calib. Time(s): 16:23 19:25

GC Column: DB-UI   ID: 0.18 (mm)

COMPOUND	$\overline{RRF}$	RRF040	MIN RRF	%D	MAX%D
Dibenzofuran	1.624	1.563		-3.8	
2,4-Dinitrotoluene	0.273	0.378		38.5	
Diethylphthalate	1.299	1.261		-2.9	
4-Chlorophenyl-phenylether	0.606	0.572		-5.6	
Fluorene	1.260	1.191		-5.5	
4-Nitroaniline	0.255	0.316		23.9	
4,6-Dinitro-2-methylphenol	0.067	0.093		38.8	
n-Nitrosodiphenylamine	0.630	0.617		-2.1	20.0
2,4,6-Tribromophenol	0.194	0.205		5.7	
4-Bromophenyl-phenylether	0.216	0.220		1.9	
Hexachlorobenzene	0.238	0.235		-1.3	
Atrazine	0.176	0.158		-10.2	
Pentachlorophenol	0.148	0.161		8.8	20.0
Phenanthrene	1.053	1.034		-1.8	
Anthracene	1.031	1.003		-2.7	
Carbazole	0.992	0.965		-2.7	
Di-n-butylphthalate	1.128	1.104		-2.1	
Fluoranthene	1.142	1.081		-5.3	20.0
Pyrene	1.749	1.690		-3.4	
Terphenyl-d14	1.204	1.166		-3.2	
Butylbenzylphthalate	0.639	0.645		0.9	
3,3-Dichlorobenzidine	0.419	0.406		-3.1	
Benzo(a)anthracene	1.394	1.316		-5.6	
Chrysene	1.257	1.236		-1.7	
Bis(2-ethylhexyl)phthalate	0.828	0.820		-1.0	
Di-n-octyl phthalate	1.199	1.221		1.8	20.0
Benzo(b)fluoranthene	1.395	1.240		-11.1	
Benzo(k)fluoranthene	1.093	1.226		12.2	
Benzo(a)pyrene	1.083	1.067		-1.5	20.0
Indeno(1,2,3-cd)pyrene	1.260	1.291		2.5	
Dibenzo(a,h)anthracene	1.021	1.047		2.5	
Benzo(g,h,i)perylene	1.059	1.058		-0.1	
1,2,4,5-Tetrachlorobenzene	0.550	0.540		-1.8	
1,4-Dioxane	0.601	0.590		-1.8	20.0
2,3,4,6-Tetrachlorophenol	0.310	0.315		1.6	

All other compounds must meet a minimum RRF of 0.010.

Sample Results: **BF140994.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140994.D
Acq On : 27 Dec 2024 13:59
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

Quant Time: Dec 27 14:47:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	6.828	152	288140	20.000 ng	0.00
21) Naphthalene-d8	8.110	136	1113818	20.000 ng	0.00
39) Acenaphthene-d10	9.863	164	585823	20.000 ng	0.00
64) Phenanthrene-d10	11.345	188	1000383	20.000 ng	0.00
76) Chrysene-d12	13.986	240	654182	20.000 ng	0.00
86) Perylene-d12	15.433	264	576625	20.000 ng	-0.01
System Monitoring Compounds					
5) 2-Fluorophenol	5.434	112	1461537	76.459 ng	0.00
7) Phenol-d6	6.451	99	1872033	76.023 ng	0.00
23) Nitrobenzene-d5	7.393	82	1601498	91.990 ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	480628	84.432 ng	0.00
45) 2-Fluorobiphenyl	9.187	172	2760974	75.089 ng	0.00
79) Terphenyl-d14	12.933	244	3050563	77.455 ng	0.00
Target Compounds					Qvalue
2) 1,4-Dioxane	2.558	88	339933	39.280 ng	100
3) Pyridine	3.299	79	851996	40.285 ng	99
4) n-Nitrosodimethylamine	3.246	42	423849	39.553 ng	99
6) Aniline	6.493	93	891247	40.582 ng	99
8) 2-Chlorophenol	6.610	128	780352	38.720 ng	99
9) Benzaldehyde	6.375	77	526226	44.682 ng	99
10) Phenol	6.463	94	980007m	38.488 ng	
11) bis(2-Chloroethyl)ether	6.563	93	759114	36.923 ng	99
12) 1,3-Dichlorobenzene	6.769	146	866844	38.974 ng	99
13) 1,4-Dichlorobenzene	6.845	146	867566	38.694 ng	99
14) 1,2-Dichlorobenzene	6.998	146	800923	38.312 ng	99
15) Benzyl Alcohol	6.969	79	672138	37.984 ng	99
16) 2,2'-oxybis(1-Chloropr...	7.104	45	1177980	37.887 ng	99
17) 2-Methylphenol	7.075	107	641715	38.327 ng	100
18) Hexachloroethane	7.345	117	311855	39.154 ng	100
19) n-Nitroso-di-n-propyla...	7.245	70	557075	36.927 ng	99
20) 3+4-Methylphenols	7.228	107	814911	38.461 ng	98
22) Acetophenone	7.240	105	1038352	38.002 ng	100
24) Nitrobenzene	7.410	77	870199	44.733 ng	98
25) Isophorone	7.651	82	1440881	38.034 ng	100
26) 2-Nitrophenol	7.728	139	356081	45.034 ng	99
27) 2,4-Dimethylphenol	7.757	122	542720	39.199 ng	100
28) bis(2-Chloroethoxy)met...	7.863	93	910595	37.937 ng	99
29) 2,4-Dichlorophenol	7.963	162	621770	39.596 ng	99
30) 1,2,4-Trichlorobenzene	8.051	180	696183	39.171 ng	100
31) Naphthalene	8.134	128	2257008	38.456 ng	100
32) Benzoic acid	7.863	122	479873	43.059 ng	97
33) 4-Chloroaniline	8.181	127	805822	37.952 ng	100
34) Hexachlorobutadiene	8.251	225	407709	38.912 ng	99
35) Caprolactam	8.545	113	209436m	39.233 ng	
36) 4-Chloro-3-methylphenol	8.651	107	674230	38.663 ng	99
37) 2-Methylnaphthalene	8.822	142	1438837	38.321 ng	99
38) 1-Methylnaphthalene	8.922	142	1393127	37.754 ng	99
40) 1,2,4,5-Tetrachloroben...	8.986	216	632502	39.245 ng	100
41) Hexachlorocyclopentadiene	8.975	237	217647	40.751 ng	98
43) 2,4,6-Trichlorophenol	9.092	196	430134	40.100 ng	99

Quantitation Report (QT Reviewed)

Sample Results: **BF140994.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140994.D
Acq On : 27 Dec 2024 13:59
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

Quant Time: Dec 27 14:47:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.128	196	452225	41.204 ng		100
46) 1,1'-Biphenyl	9.286	154	1736208	38.706 ng		100
47) 2-Chloronaphthalene	9.310	162	1335122	38.378 ng		99
48) 2-Nitroaniline	9.398	65	409210	45.257 ng		97
49) Acenaphthylene	9.722	152	1945996	38.857 ng		100
50) Dimethylphthalate	9.586	163	1501321	38.961 ng		100
51) 2,6-Dinitrotoluene	9.645	165	347234	44.477 ng		96
52) Acenaphthene	9.898	154	1314751	38.833 ng		100
53) 3-Nitroaniline	9.810	138	375390	44.203 ng	#	94
54) 2,4-Dinitrophenol	9.910	184	116362	47.390 ng	#	39
55) Dibenzofuran	10.069	168	1831787	38.499 ng		99
56) 4-Nitrophenol	9.957	139	288447	43.761 ng		97
57) 2,4-Dinitrotoluene	10.045	165	442593	46.211 ng		96
58) Fluorene	10.410	166	1395040	37.810 ng		99
59) 2,3,4,6-Tetrachlorophenol	10.181	232	369514	40.652 ng		100
60) Diethylphthalate	10.286	149	1477637	38.843 ng		99
61) 4-Chlorophenyl-phenyle...	10.404	204	669688	37.721 ng		99
62) 4-Nitroaniline	10.422	138	370383	43.704 ng		95
63) Azobenzene	10.563	77	1533221	38.398 ng		99
65) 4,6-Dinitro-2-methylph...	10.451	198	186091	46.917 ng		97
66) n-Nitrosodiphenylamine	10.522	169	1233641	39.161 ng		99
67) 4-Bromophenyl-phenylether	10.892	248	439374	40.629 ng		98
68) Hexachlorobenzene	10.957	284	470563	39.462 ng		100
69) Atrazine	11.045	200	316431	35.956 ng		99
70) Pentachlorophenol	11.145	266	321201	43.264 ng		99
71) Phenanthrene	11.369	178	2067906	39.276 ng		100
72) Anthracene	11.422	178	2007394	38.909 ng		100
73) Carbazole	11.575	167	1931005	38.935 ng		100
74) Di-n-butylphthalate	11.910	149	2208413	39.149 ng		100
75) Fluoranthene	12.557	202	2162264	37.866 ng		99
77) Benzidine	12.680	184	696326	50.365 ng		99
78) Pyrene	12.786	202	2211440	38.653 ng		100
80) Butylbenzylphthalate	13.410	149	844457	40.421 ng		97
81) Benzo(a)anthracene	13.974	228	1722198	37.774 ng		99
82) 3,3'-Dichlorobenzidine	13.939	252	531369	38.791 ng		98
83) Chrysene	14.010	228	1616888	39.340 ng		100
84) Bis(2-ethylhexyl)phtha...	13.974	149	1072600	39.580 ng		100
85) Di-n-octyl phthalate	14.586	149	1597422	40.727 ng		100
87) Indeno(1,2,3-cd)pyrene	16.886	276	1489165	40.992 ng		99
88) Benzo(b)fluoranthene	15.016	252	1429886	35.555 ng		100
89) Benzo(k)fluoranthene	15.045	252	1413840	44.855 ng		99
90) Benzo(a)pyrene	15.374	252	1230603	39.424 ng		99
91) Dibenzo(a,h)anthracene	16.910	278	1207121	40.991 ng		99
92) Benzo(g,h,i)perylene	17.321	276	1219629	39.931 ng		99

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

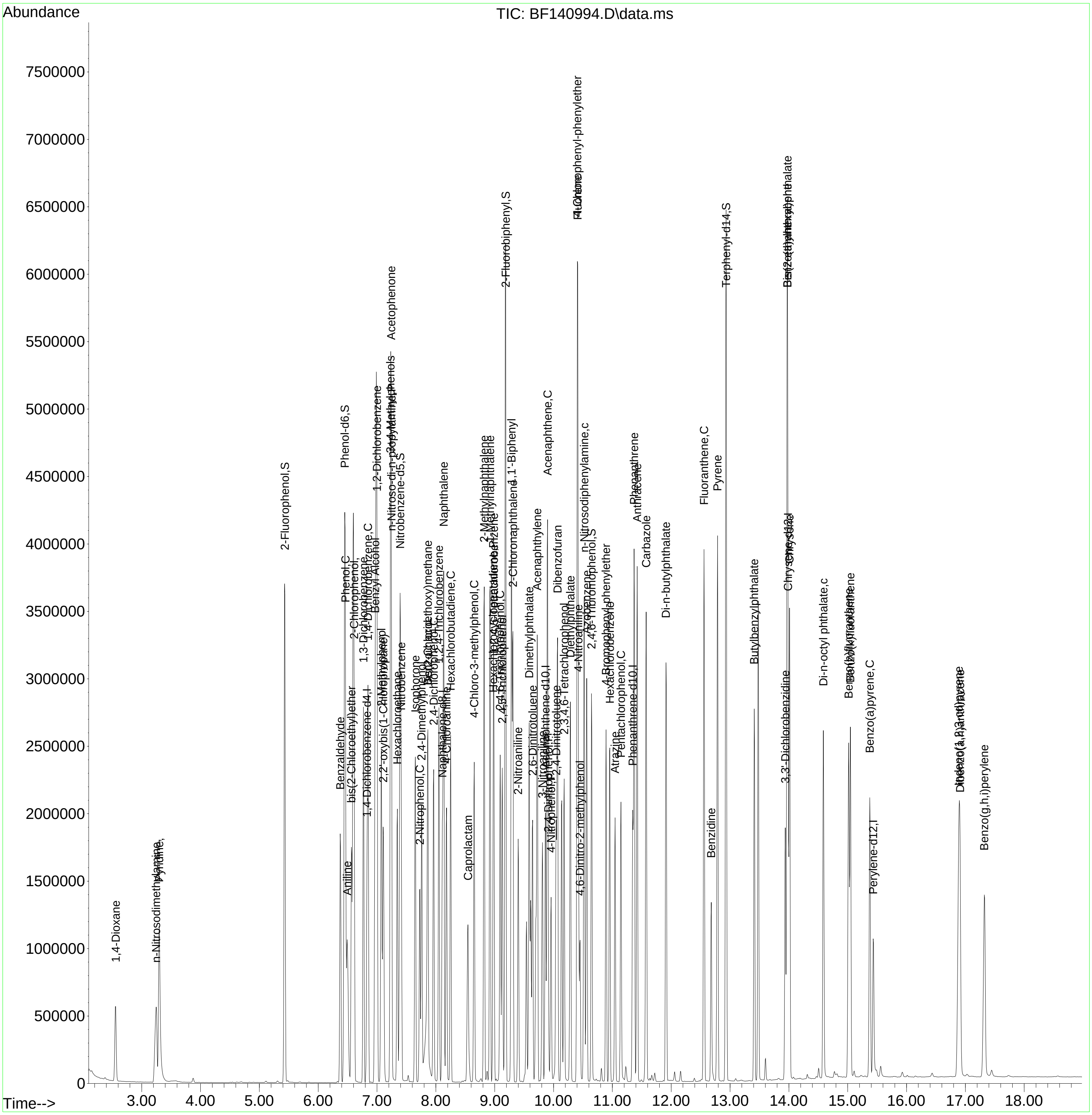
Sample Results: **BF140994.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140994.D
Acq On : 27 Dec 2024 13:59
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

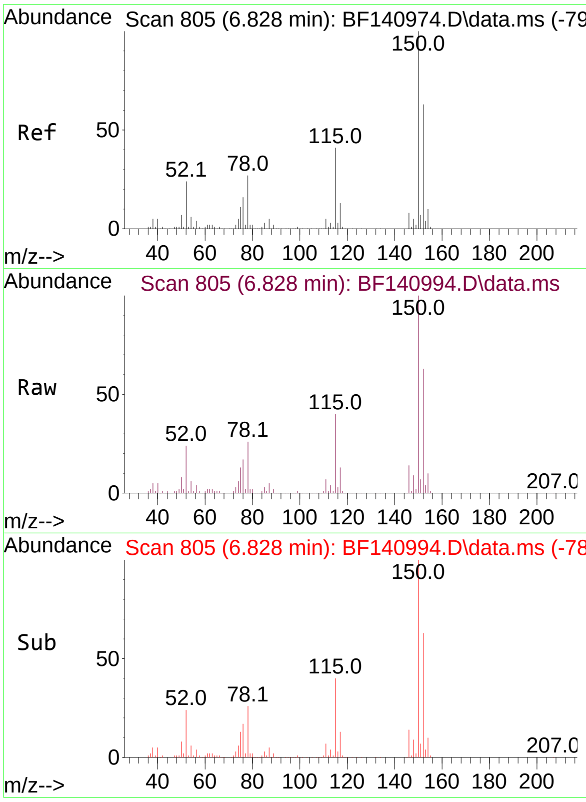
Quant Time: Dec 27 14:47:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



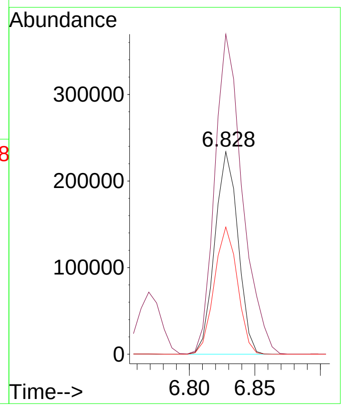
Sample Results: **BF140994.D**



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min   Scan# 8
Delta R.T.   -0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024   13:59

Tgt Ion:152 Resp: 28814

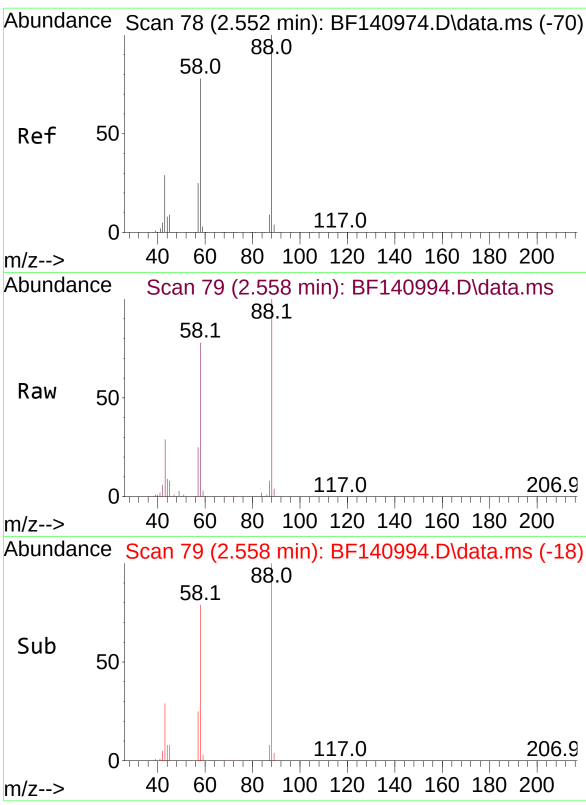
Ion	Ratio	Lower	Upper
152	100		
150	157.9	127.0	190.6
115	62.8	51.7	77.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

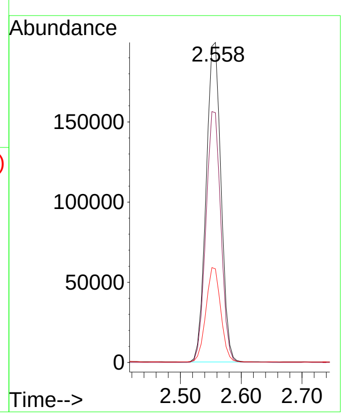
Reviewed By :Yogesh Patel   12/30/2024
Supervised By :mohammad ahmed   12/30/2024



#2
1,4-Dioxane
Concen: 39.280 ng
RT: 2.558 min   Scan# 79
Delta R.T.   0.006 min
Lab File: BF140994.D
Acq: 27 Dec 2024   13:59

Tgt Ion: 88 Resp: 339933

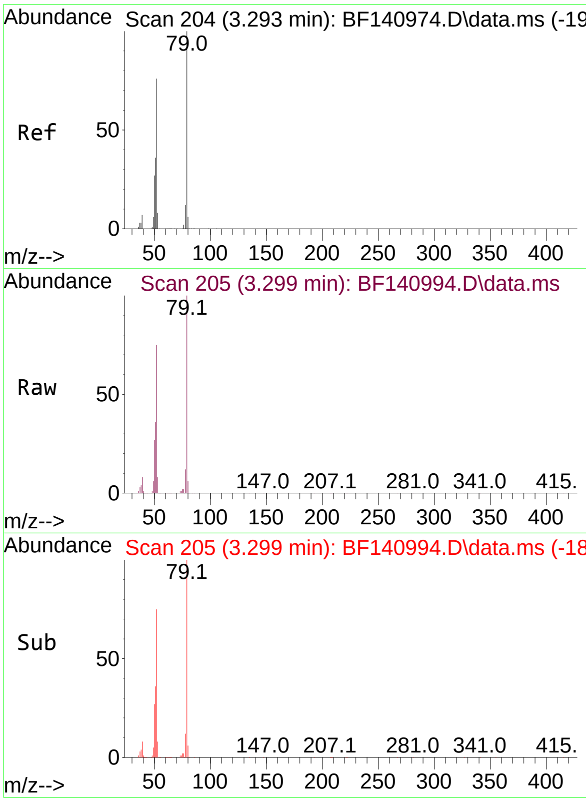
Ion	Ratio	Lower	Upper
88	100		
58	78.9	63.0	94.4
43	29.5	23.4	35.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

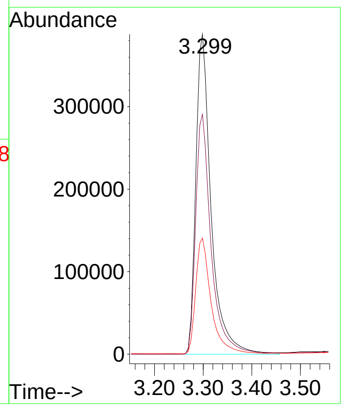
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

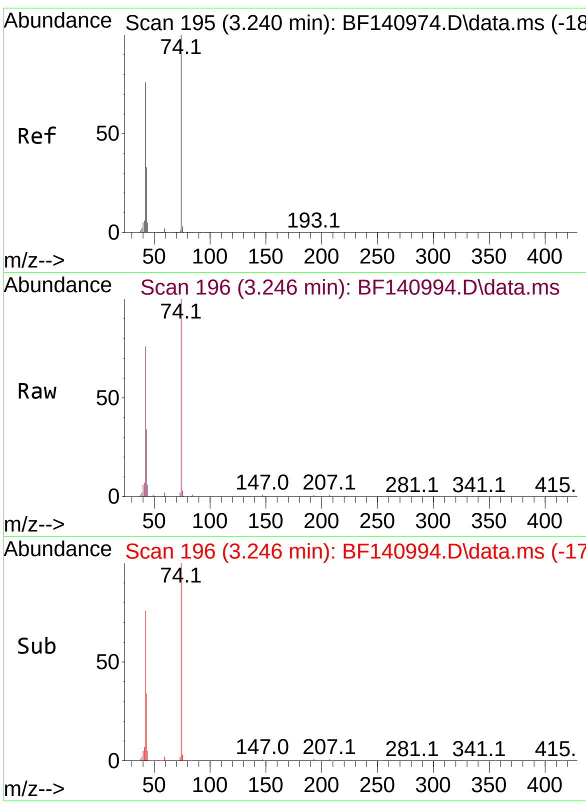


#3
Pyridine
Concen: 40.285 ng
RT: 3.299 min Scan# 2
Delta R.T. 0.006 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion: 79 Resp: 85199

Ion	Ratio	Lower	Upper
79	100		
52	75.0	60.4	90.6
51	36.3	28.8	43.2

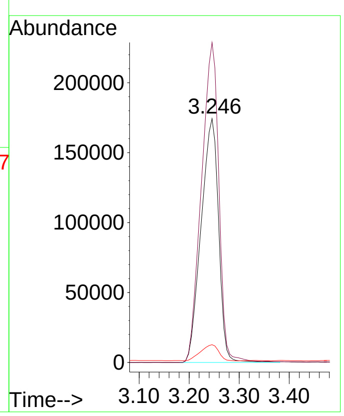




#4
n-Nitrosodimethylamine
Concen: 39.553 ng
RT: 3.246 min Scan# 196
Delta R.T. 0.006 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion: 42 Resp: 423849

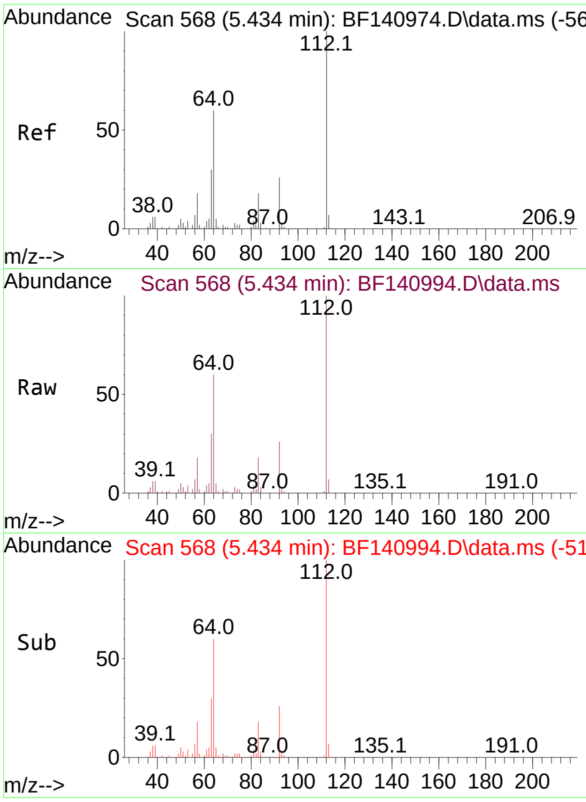
Ion	Ratio	Lower	Upper
42	100		
74	131.2	105.8	158.6
44	7.3	6.6	10.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

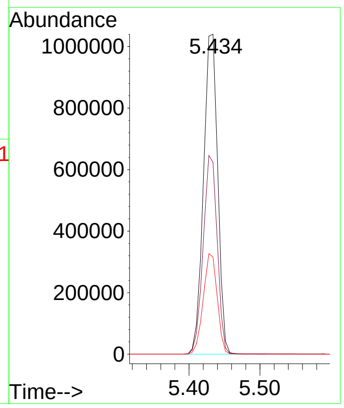
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

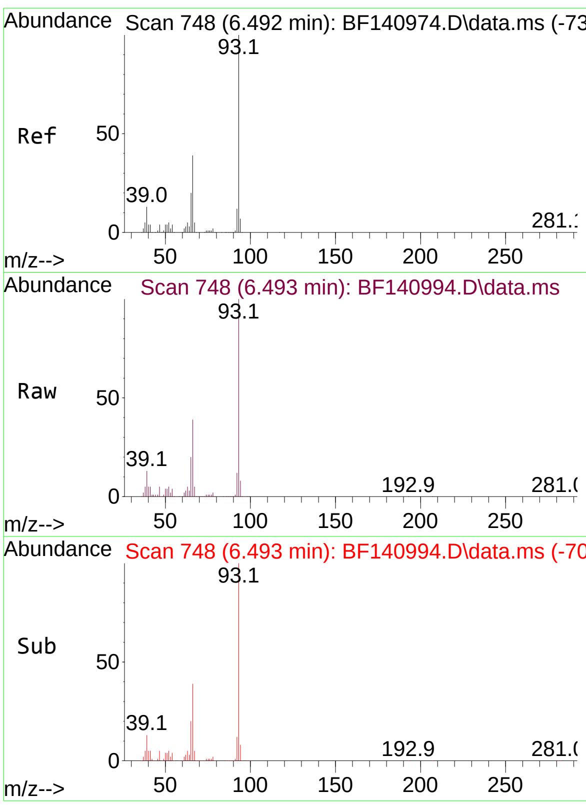


#5
2-Fluorophenol
Concen: 76.459 ng
RT: 5.434 min Scan# 5
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:112 Resp: 146153

Ion	Ratio	Lower	Upper
112	100		
64	60.0	47.7	71.5
63	30.3	24.2	36.2

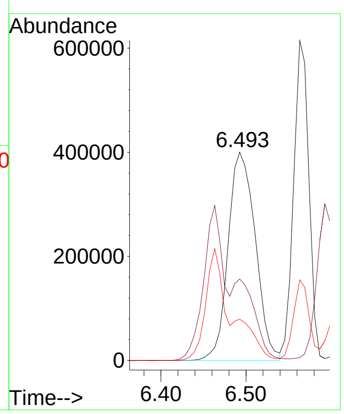




#6
Aniline
Concen: 40.582 ng
RT: 6.493 min Scan# 748
Delta R.T. -0.018 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion: 93 Resp: 891247

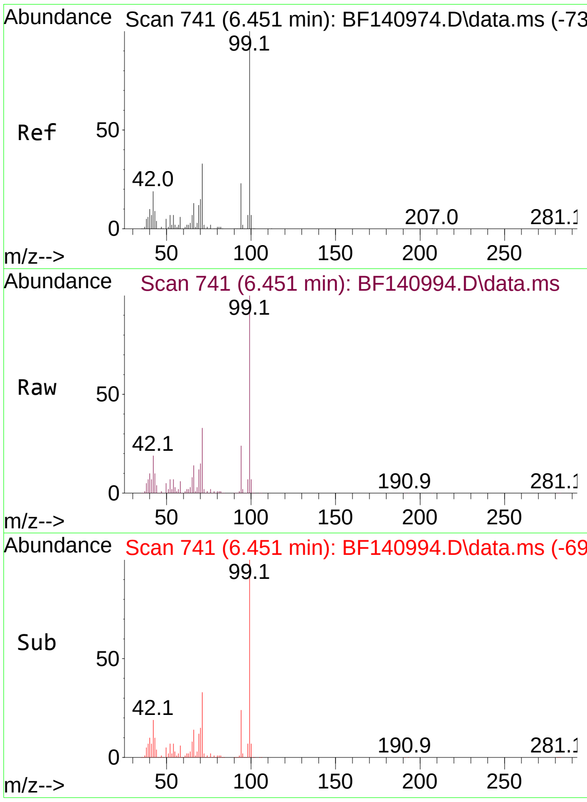
Ion	Ratio	Lower	Upper
93	100		
66	39.1	31.8	47.8
65	19.8	15.4	23.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

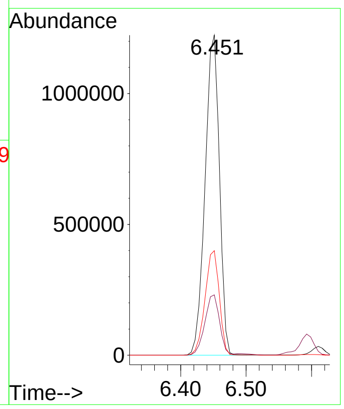
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

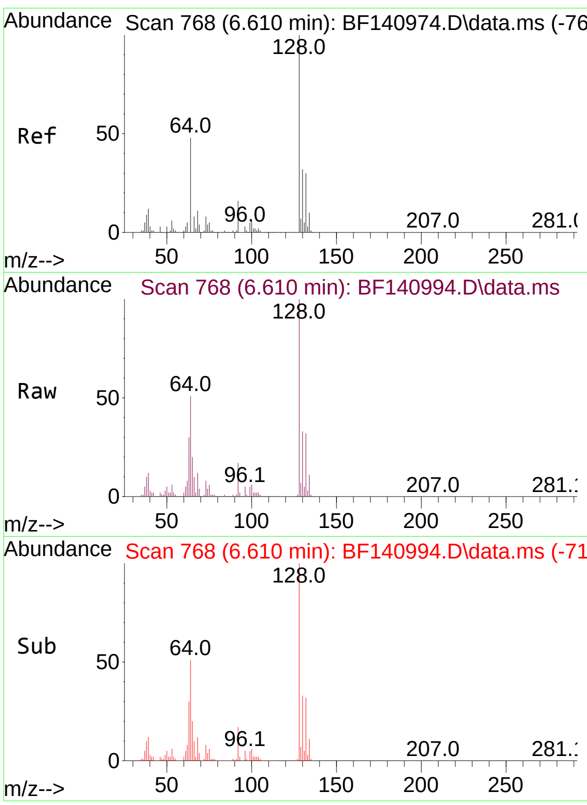


#7
Phenol-d6
Concen: 76.023 ng
RT: 6.451 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion: 99 Resp: 187203

Ion	Ratio	Lower	Upper
99	100		
42	18.9	15.0	22.4
71	32.7	26.2	39.2

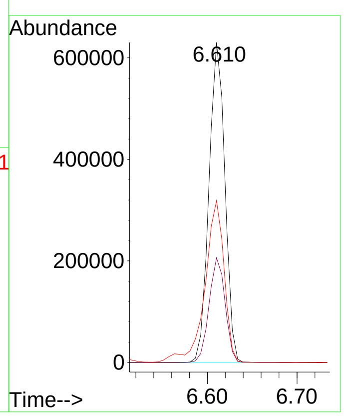




#8
2-Chlorophenol
Concen: 38.720 ng
RT: 6.610 min Scan# 768
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:128 Resp: 780352

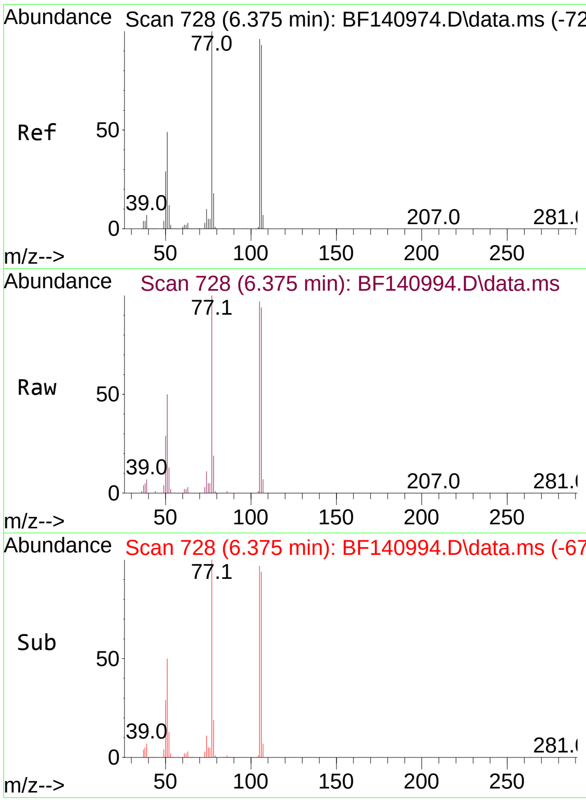
Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.2	52.2
64	50.5	30.3	70.3



Instrument : BNA_F
ClientSampleId : SSTDCCC040

Manual Integrations APPROVED

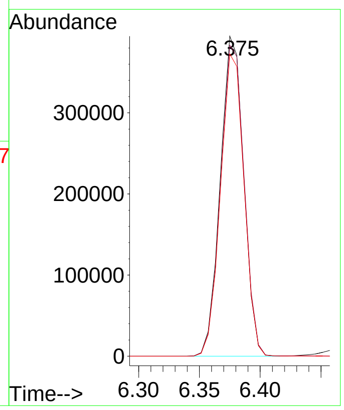
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

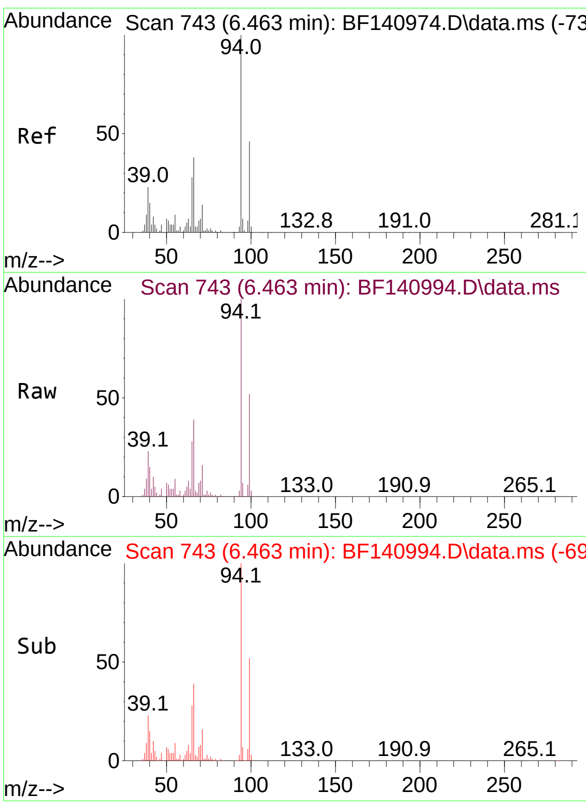


#9
Benzaldehyde
Concen: 44.682 ng
RT: 6.375 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion: 77 Resp: 52622(

Ion	Ratio	Lower	Upper
77	100		
105	97.2	76.2	116.2
106	94.5	73.4	113.4

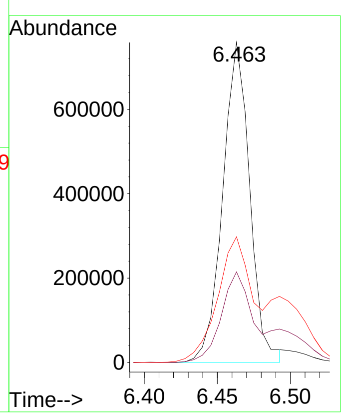




#10
Phenol
Concen: 38.488 ng m
RT: 6.463 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion: 94 Resp: 980007

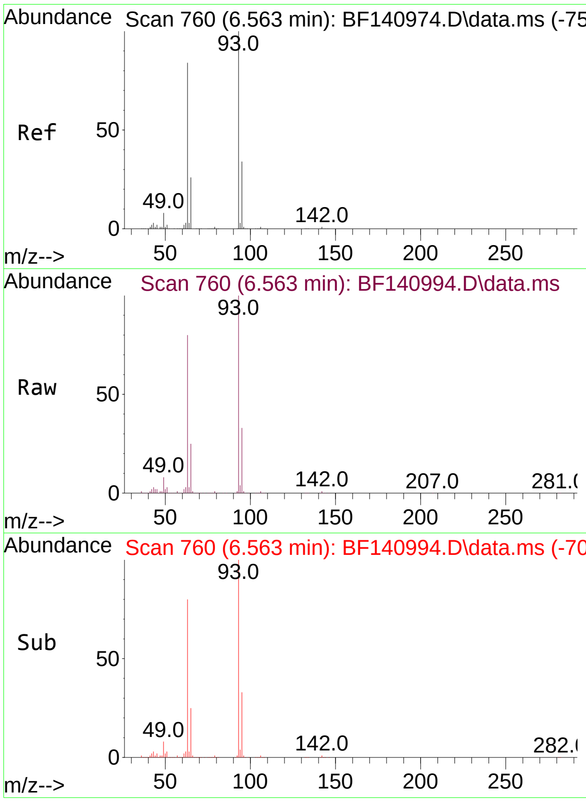
Ion	Ratio	Lower	Upper
94	100		
65	28.3	8.1	48.1
66	39.2	18.7	58.7



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

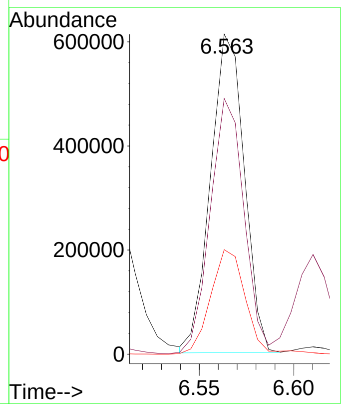
Manual Integrations
APPROVED

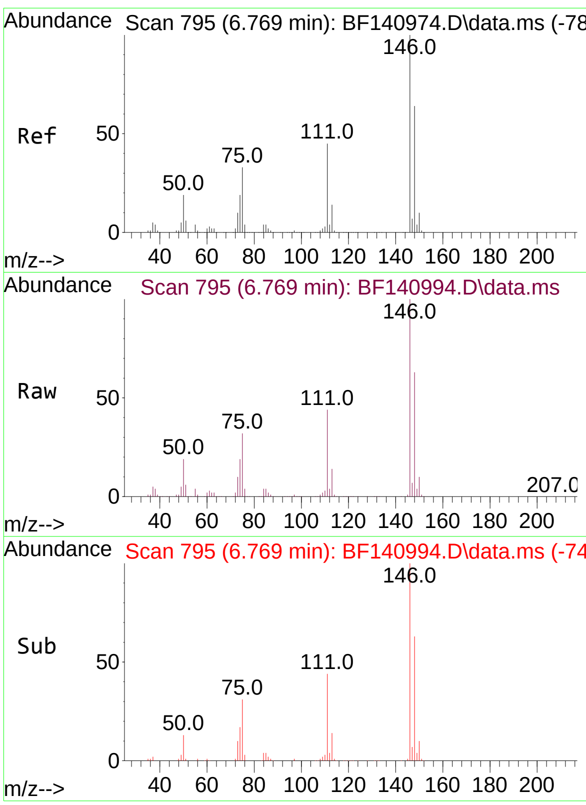
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024




```
#11
bis(2-Chloroethyl)ether
Concen:   36.923 ng
RT:   6.563 min  Scan# 7(
Delta R.T.  0.000 min
Lab File:   BF140994.D
Acq: 27 Dec 2024  13:59

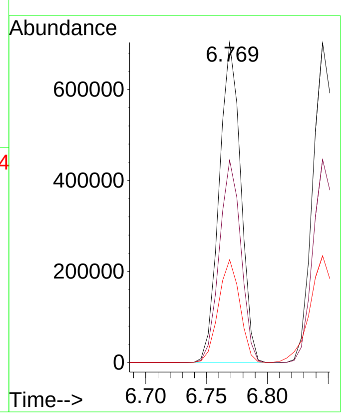
Tgt Ion: 93 Resp:  75911
Ion  Ratio  Lower  Upper
 93  100
 63   79.9   60.3  100.3
 95   32.7   12.2   52.2
```

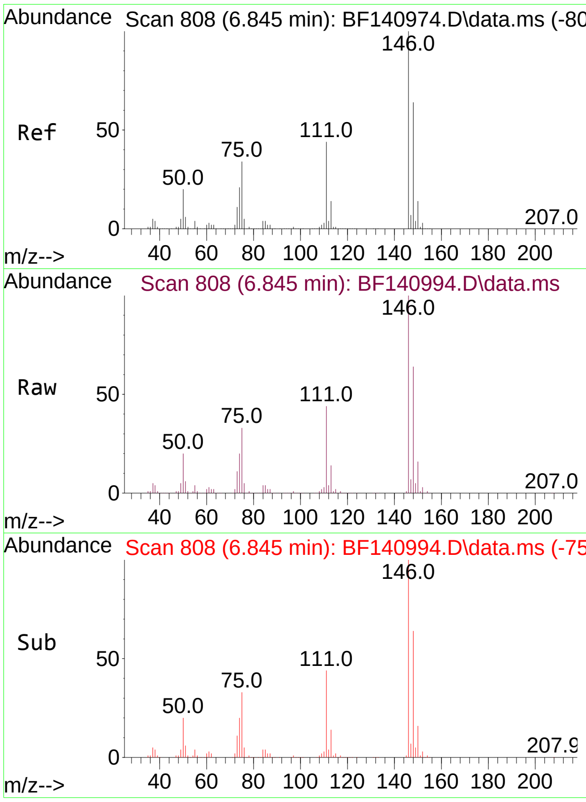





```
#12
1,3-Dichlorobenzene
Concen:   38.974 ng
RT:   6.769 min  Scan# 795
Delta R.T.  0.000 min
Lab File:   BF140994.D
Acq: 27 Dec 2024  13:59

Tgt Ion:146 Resp:  866844
Ion  Ratio  Lower  Upper
146  100
148   63.2   51.0   76.4
 75   32.1   26.1   39.1
```





#13
1,4-Dichlorobenzene
Concen: 38.694 ng
RT: 6.845 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

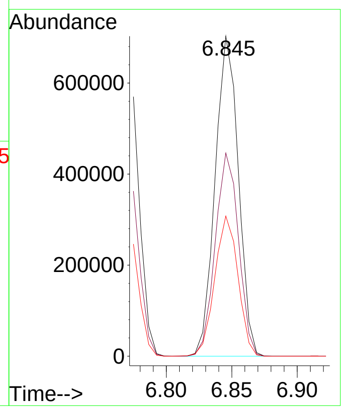
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

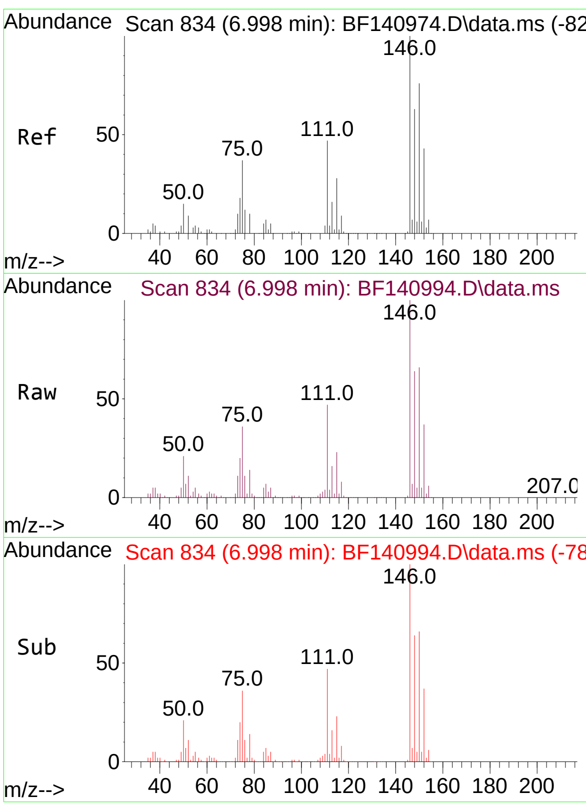
Tgt Ion:146 Resp: 86756

Ion	Ratio	Lower	Upper
146	100		
148	63.5	51.3	76.9
111	43.8	35.3	52.9

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

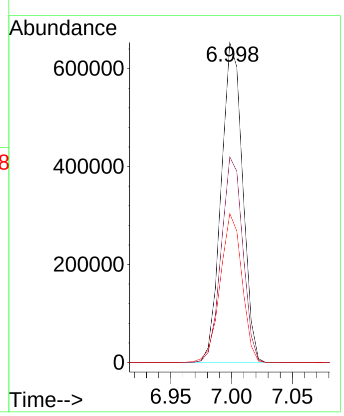


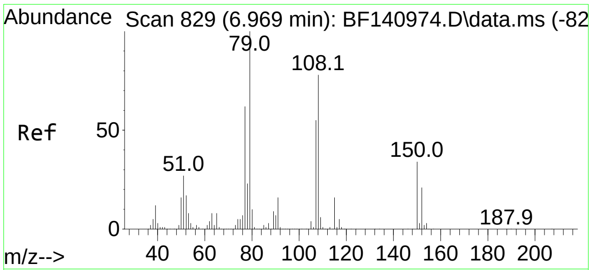


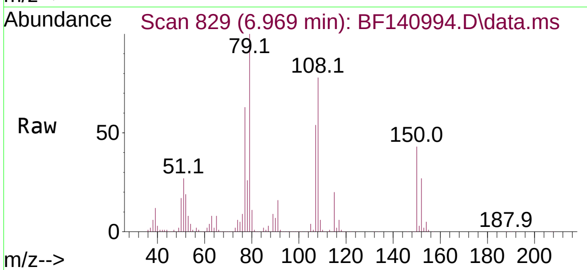
#14
1,2-Dichlorobenzene
Concen: 38.312 ng
RT: 6.998 min Scan# 834
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

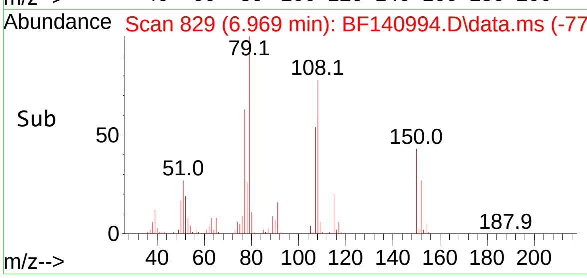
Tgt Ion:146 Resp: 800923

Ion	Ratio	Lower	Upper
146	100		
148	64.3	50.6	76.0
111	46.5	37.3	55.9









#15
Benzyl Alcohol
Concen: 37.984 ng
RT: 6.969 min Scan# 8
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

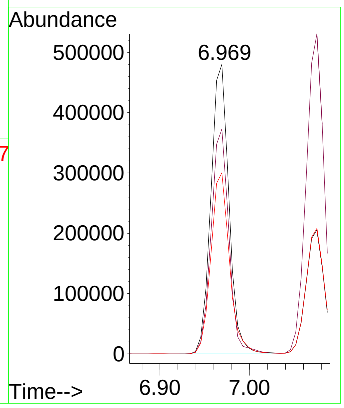
Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

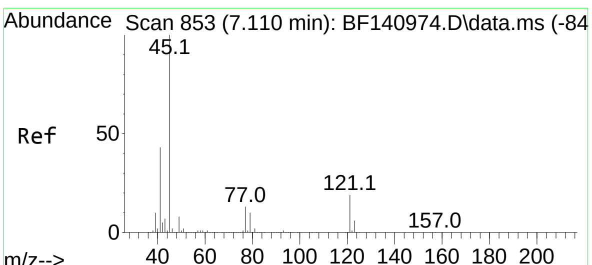
Manual Integrations
APPROVED

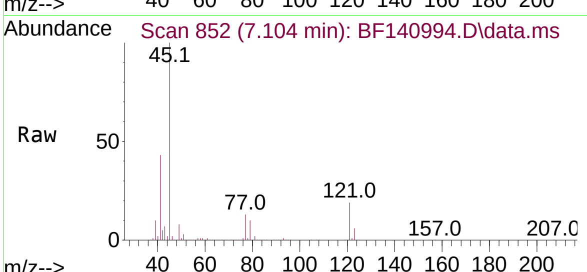
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

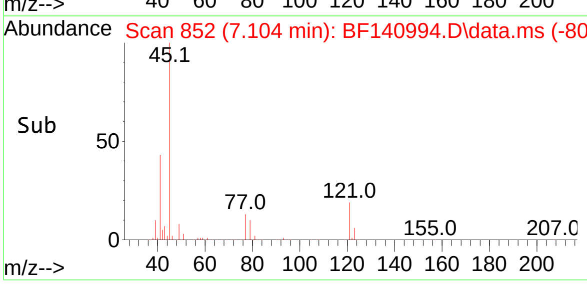
Tgt Ion: 79 Resp: 67213

Ion	Ratio	Lower	Upper
79	100		
108	77.7	62.5	93.7
77	62.6	49.3	73.9





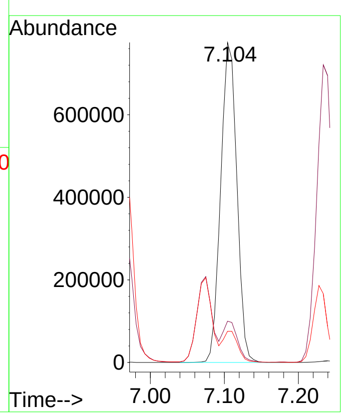




#16
2,2'-oxybis(1-Chloropropane)
Concen: 37.887 ng
RT: 7.104 min Scan# 852
Delta R.T. -0.006 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion: 45 Resp: 1177980

Ion	Ratio	Lower	Upper
45	100		
77	12.9	0.0	33.1
79	9.7	0.0	30.1



Sample Results: **BF140994.D**

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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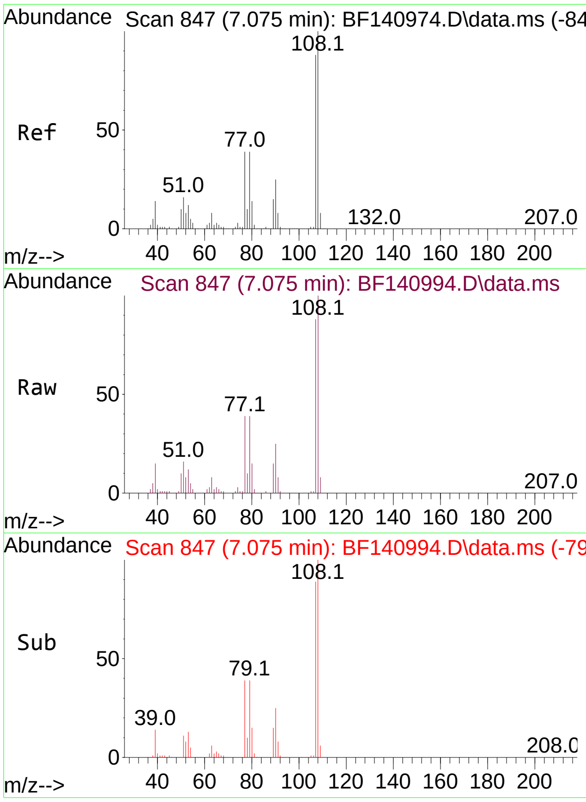
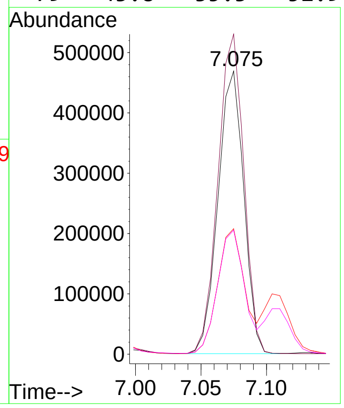
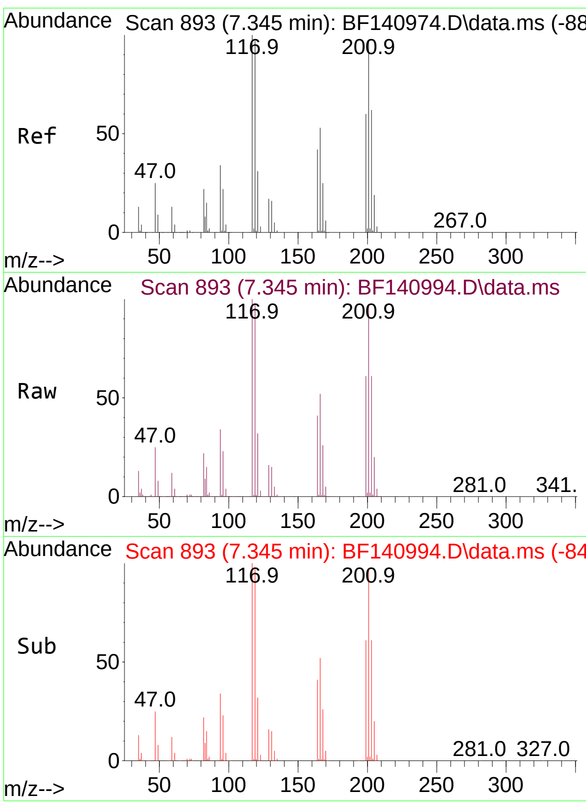


#17
2-Methylphenol
Concen: 38.327 ng
RT: 7.075 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:107 Resp: 64171

Ion	Ratio	Lower	Upper
107	100		
108	113.0	90.6	136.0
77	44.3	35.3	52.9
79	43.8	35.3	52.9

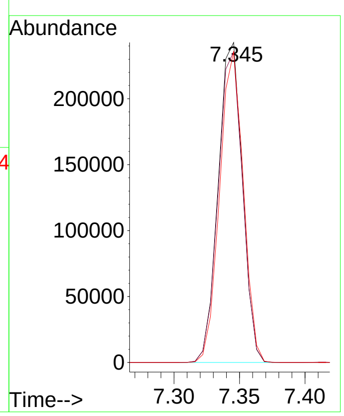




#18
Hexachloroethane
Concen: 39.154 ng
RT: 7.345 min Scan# 893
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:117 Resp: 311855

Ion	Ratio	Lower	Upper
117	100		
119	97.1	77.5	116.3
201	97.0	77.4	116.2



Instrument : BNA_F
ClientSampleId : SSTDCCC040

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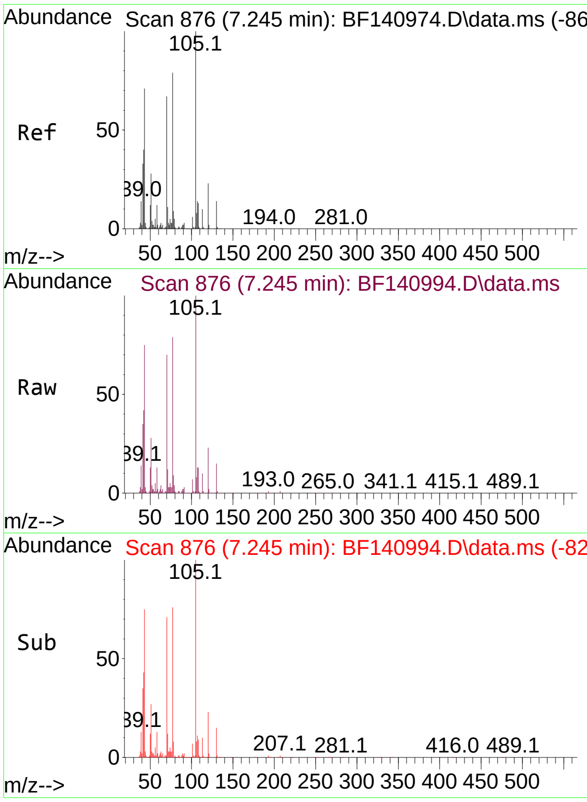
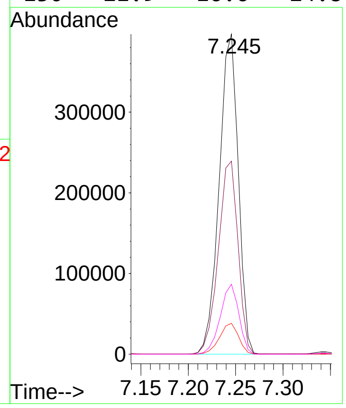
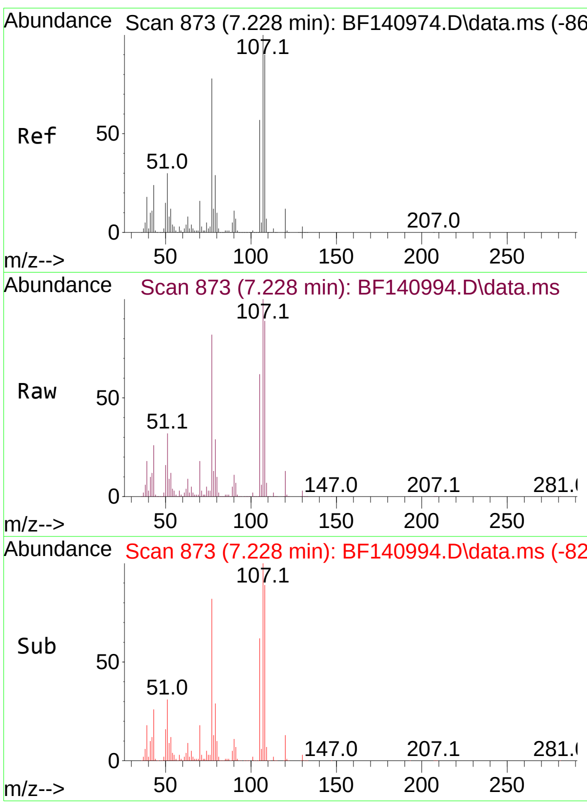


#19
n-Nitroso-di-n-propylamine
Concen: 36.927 ng
RT: 7.245 min Scan# 87
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion: 70 Resp: 557075

Ion	Ratio	Lower	Upper
70	100		
42	60.3	48.1	72.1
101	9.7	7.6	11.4
130	21.9	16.6	24.8

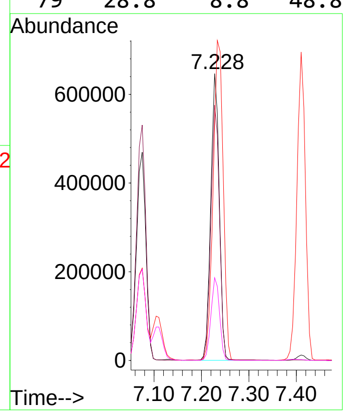




#20
3+4-Methylphenols
Concen: 38.461 ng
RT: 7.228 min Scan# 873
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:107 Resp: 814911

Ion	Ratio	Lower	Upper
107	100		
108	89.0	69.6	109.6
77	81.8	57.6	97.6
79	28.8	8.8	48.8



Instrument :
BNA_F
ClientSampleId :
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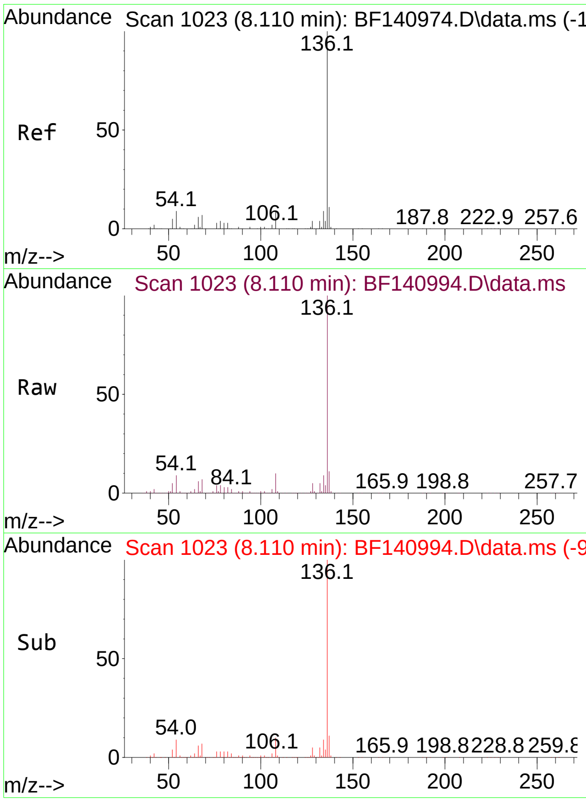
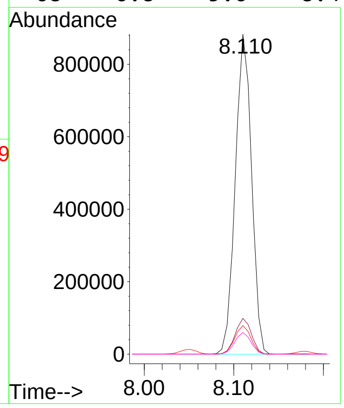
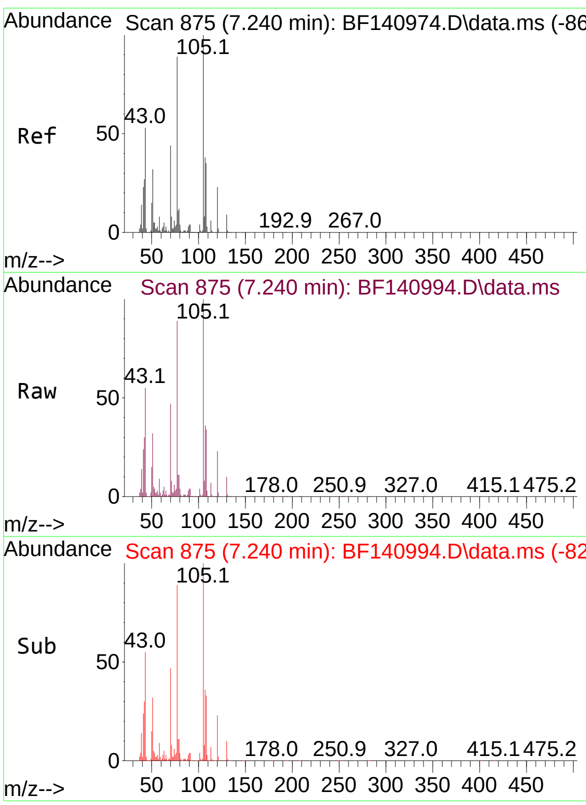


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:136 Resp: 111381

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	8.9	7.6	11.4
68	6.8	5.6	8.4

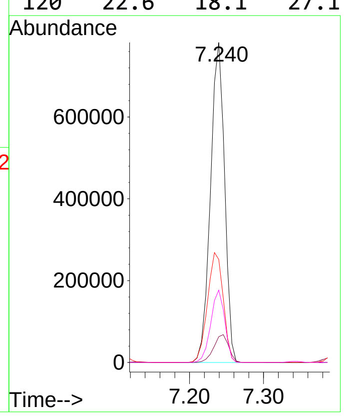


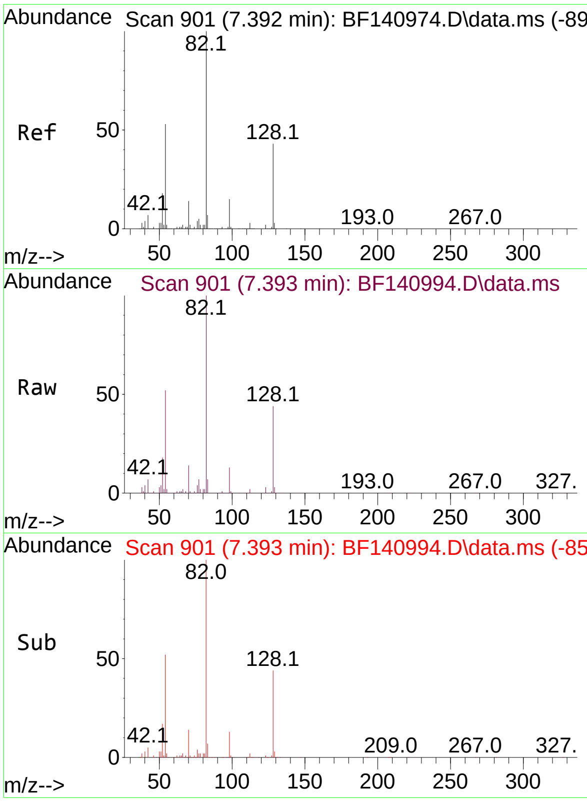


#22
Acetophenone
Concen: 38.002 ng
RT: 7.240 min Scan# 875
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:105 Resp: 1038352

Ion	Ratio	Lower	Upper
105	100		
71	8.0	6.1	9.1
51	32.2	25.8	38.6
120	22.6	18.1	27.1

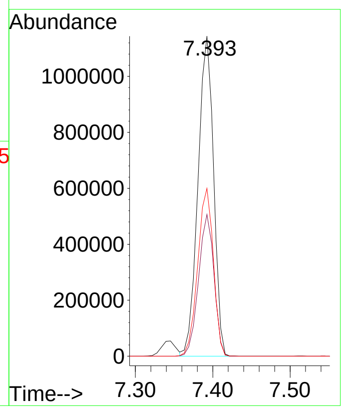




#23
Nitrobenzene-d5
Concen: 91.990 ng
RT: 7.393 min Scan# 90
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion: 82 Resp: 160149

Ion	Ratio	Lower	Upper
82	100		
128	44.3	34.4	51.6
54	52.5	42.4	63.6



Instrument :
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ClientSampleId :
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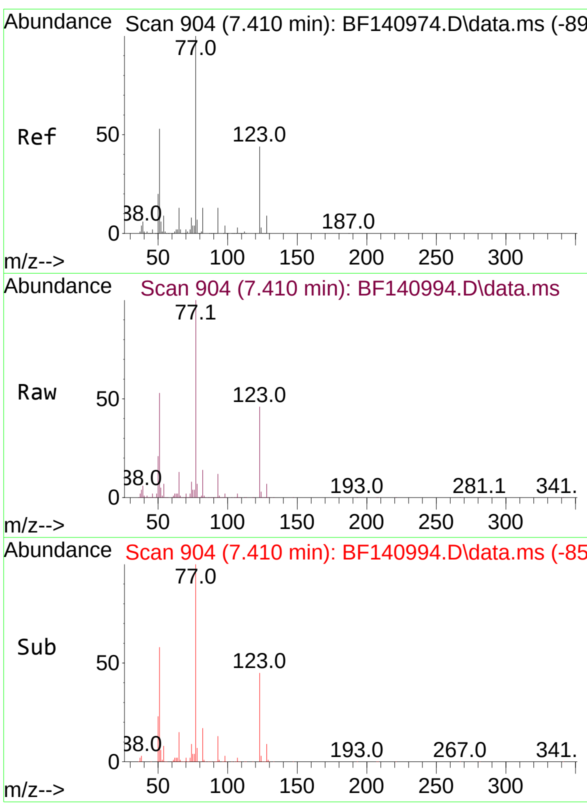
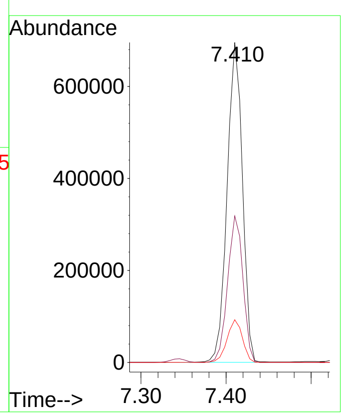


#24
Nitrobenzene
Concen: 44.733 ng
RT: 7.410 min Scan# 904
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion: 77 Resp: 870199

Ion	Ratio	Lower	Upper
77	100		
123	45.8	35.4	53.2
65	13.3	10.7	16.1



Instrument :
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ClientSampleId :
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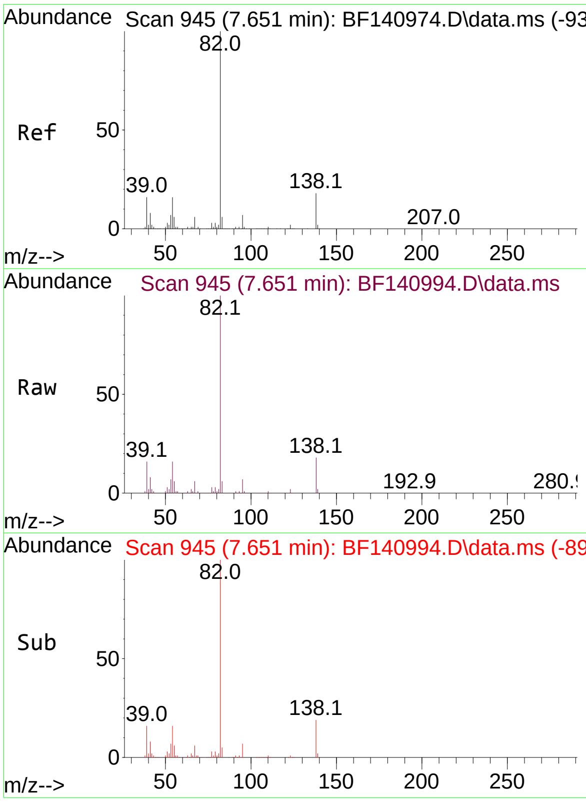
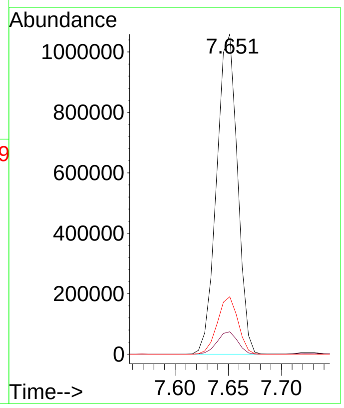
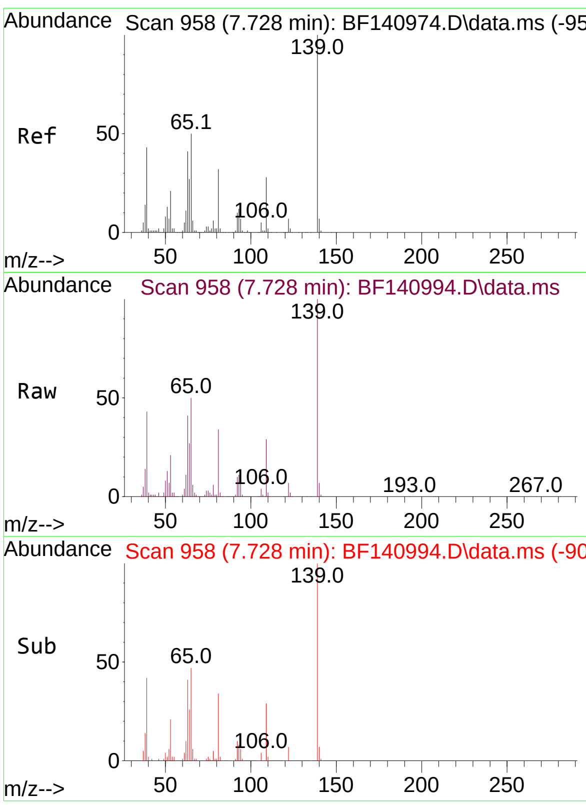



```
#25
Isophorone
Concen:   38.034 ng
RT:   7.651 min  Scan# 94
Delta R.T.  0.000 min
Lab File:   BF140994.D
Acq: 27 Dec 2024  13:59

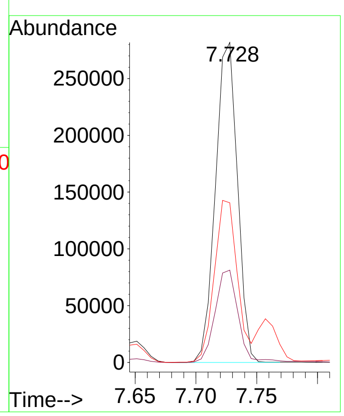
Tgt Ion: 82 Resp: 144088
Ion  Ratio  Lower  Upper
 82  100
 95    7.0    5.6    8.4
138   18.0   14.6   21.8
```

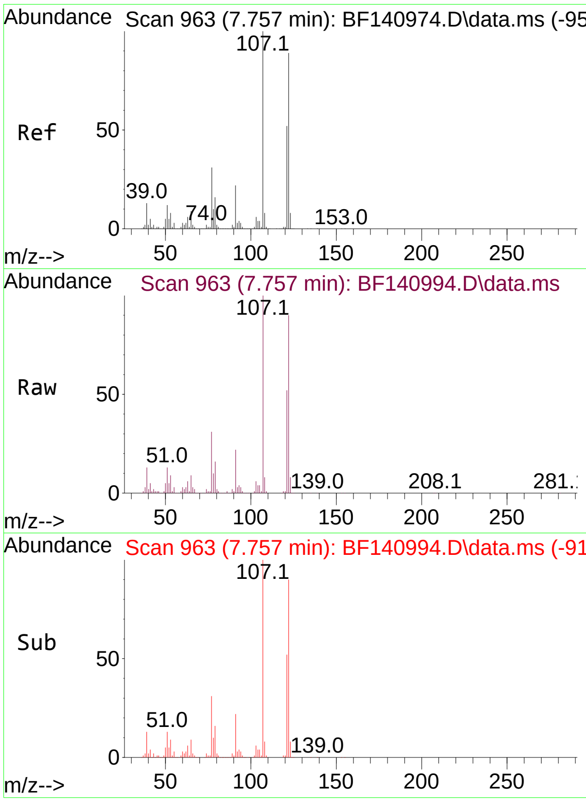





```
#26
2-Nitrophenol
Concen:   45.034 ng
RT:   7.728 min  Scan# 958
Delta R.T.  -0.000 min
Lab File:   BF140994.D
Acq: 27 Dec 2024  13:59

Tgt Ion:139 Resp:  356081
Ion  Ratio  Lower  Upper
139  100
109   28.8   22.2   33.4
 65   49.9   40.2   60.4
```





#27
2,4-Dimethylphenol
Concen: 39.199 ng
RT: 7.757 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:122 Resp: 54272

Ion	Ratio	Lower	Upper
122	100		
107	111.7	89.4	134.2
121	58.2	46.7	70.1

Instrument :
BNA_F
ClientSampleId :
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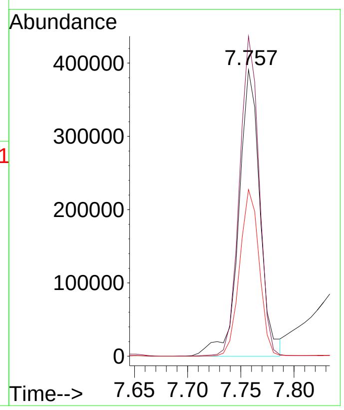
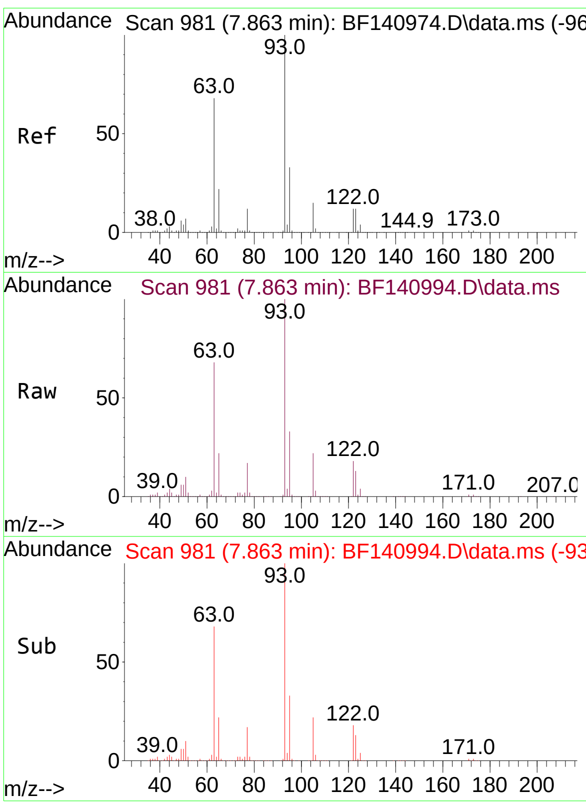
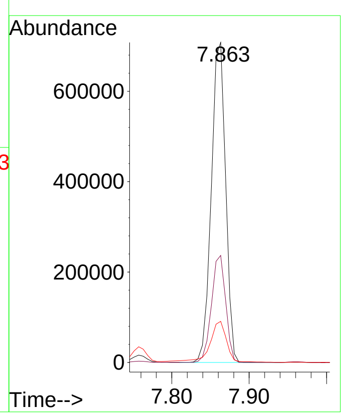




#28
bis(2-Chloroethoxy)methane
Concen: 37.937 ng
RT: 7.863 min Scan# 981
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion: 93 Resp: 910595

Ion	Ratio	Lower	Upper
93	100		
95	33.5	26.2	39.4
123	12.9	9.9	14.9



Instrument :
BNA_F
ClientSampleId :
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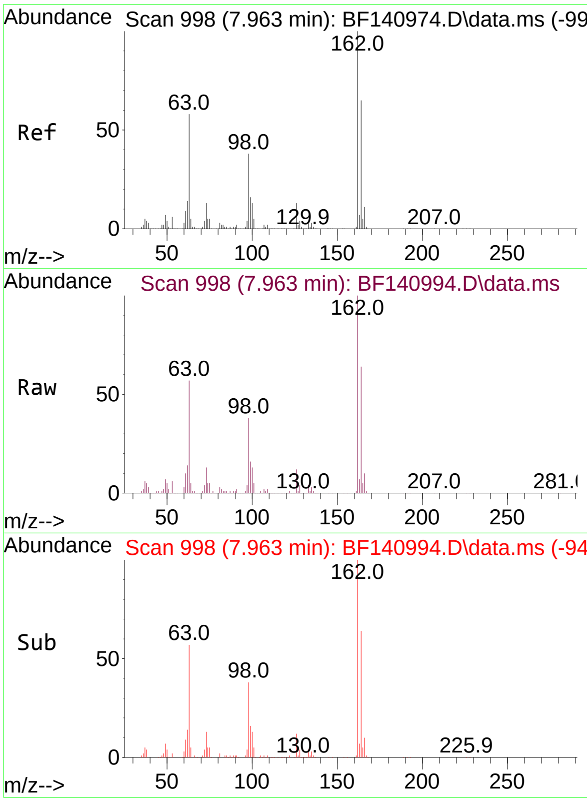
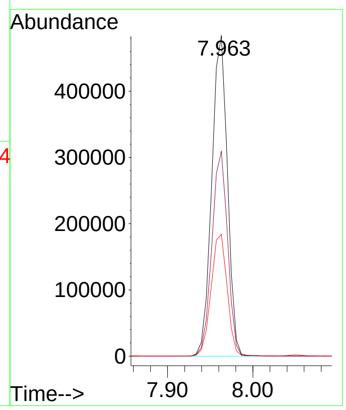
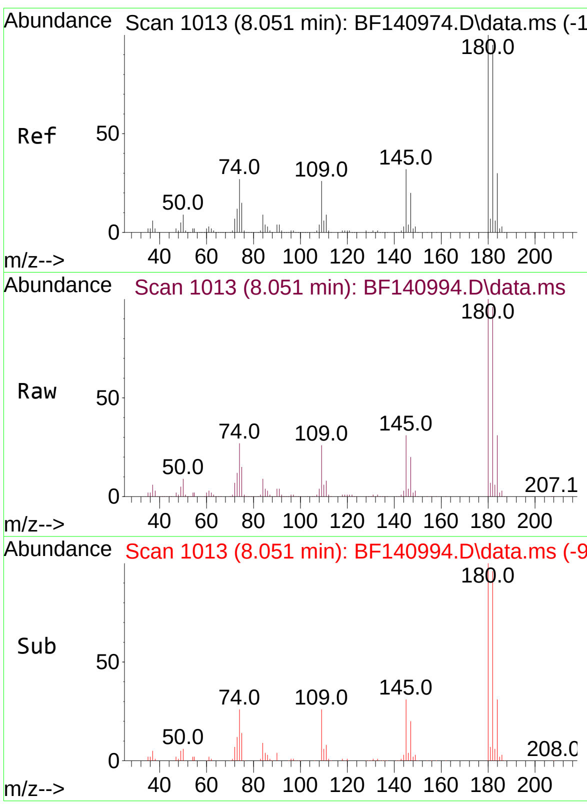


#29
2,4-Dichlorophenol
Concen: 39.596 ng
RT: 7.963 min Scan# 9
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:162 Resp: 62177

Ion	Ratio	Lower	Upper
162	100		
164	64.0	44.8	84.8
98	38.1	18.6	58.6

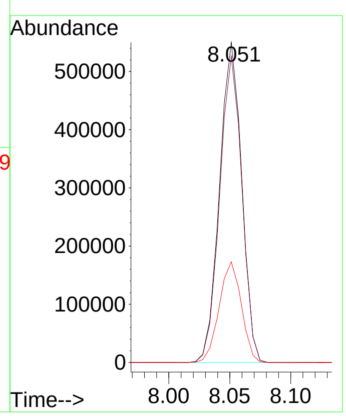


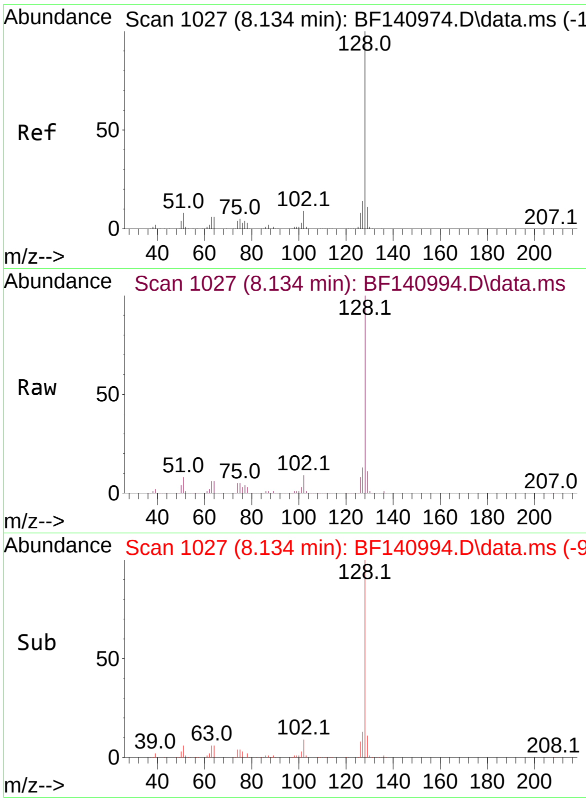


#30
1,2,4-Trichlorobenzene
Concen: 39.171 ng
RT: 8.051 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:180 Resp: 696183

Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.2	114.4
145	31.4	25.4	38.2

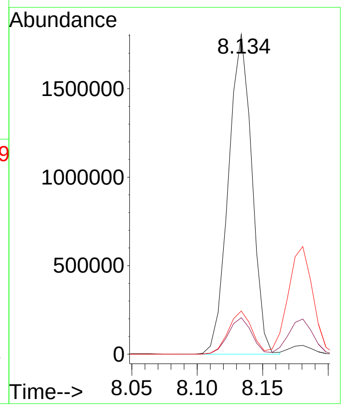




#31
Naphthalene
Concen: 38.456 ng
RT: 8.134 min   Scan# 10
Delta R.T.   0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024   13:59

Tgt Ion:128 Resp: 2257008

Ion	Ratio	Lower	Upper
128	100		
129	11.4	9.2	13.8
127	13.5	11.0	16.4



Instrument :
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ClientSampleId :
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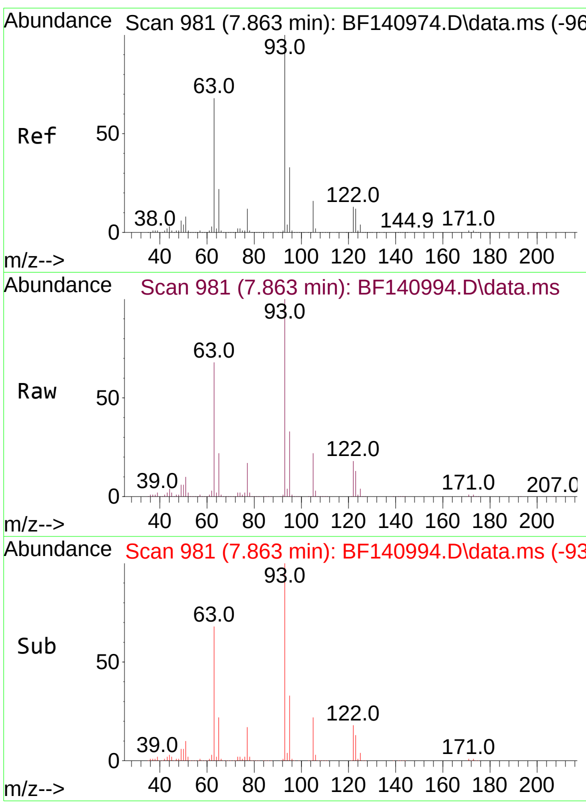
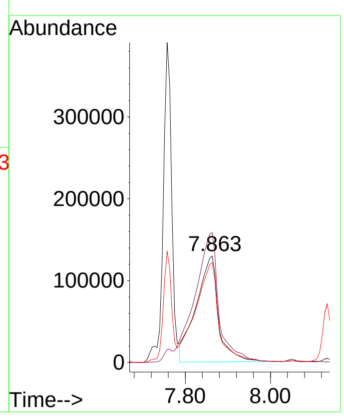


#32
Benzoic acid
Concen: 43.059 ng
RT: 7.863 min   Scan# 981
Delta R.T.   0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024   13:59

Tgt Ion:122 Resp: 479873

Ion	Ratio	Lower	Upper
122	100		
105	122.1	105.4	145.4
77	94.0	76.4	116.4



Instrument :
BNA_F
ClientSampleId :
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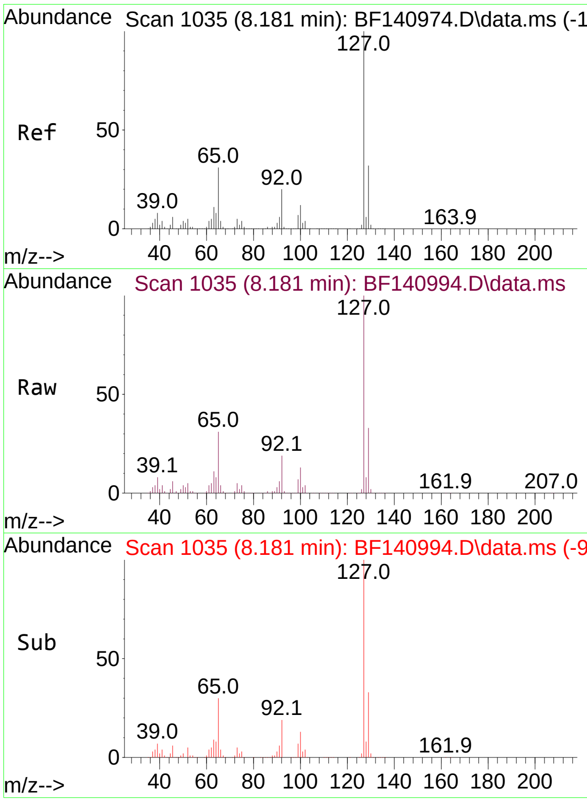
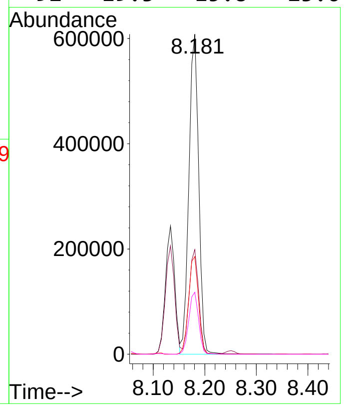
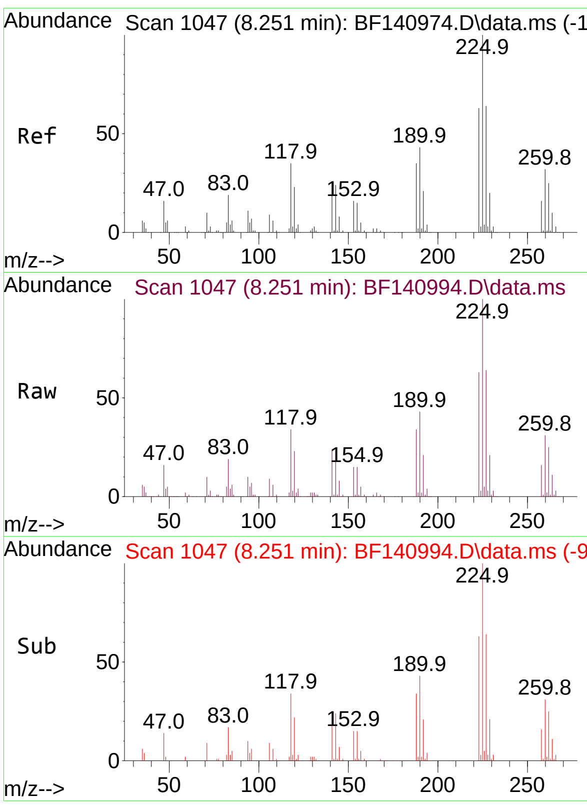


#33
4-Chloroaniline
Concen: 37.952 ng
RT: 8.181 min Scan# 10
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:127 Resp: 80582

Ion	Ratio	Lower	Upper
127	100		
129	32.7	26.1	39.1
65	30.5	24.6	37.0
92	19.3	15.8	23.6

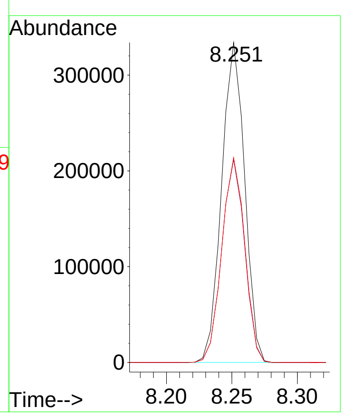




#34
Hexachlorobutadiene
Concen: 38.912 ng
RT: 8.251 min Scan# 1047
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:225 Resp: 407709

Ion	Ratio	Lower	Upper
225	100		
223	63.4	50.3	75.5
227	64.0	50.8	76.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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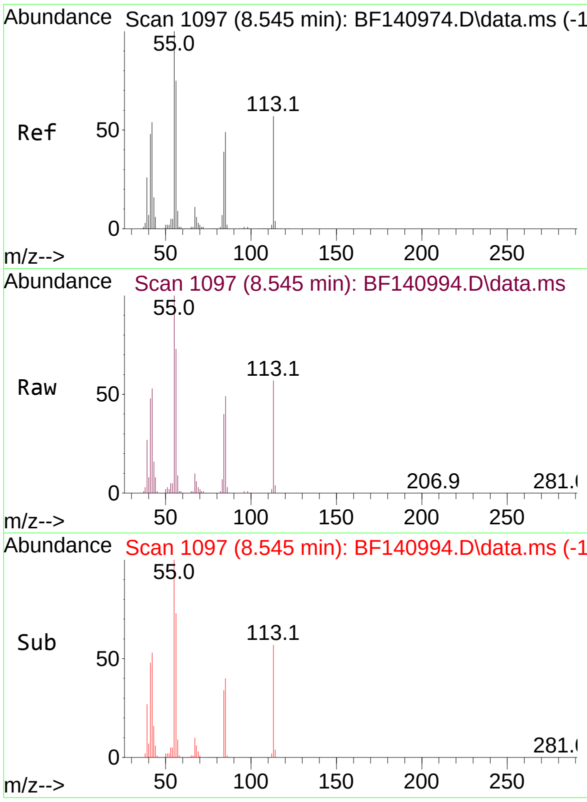
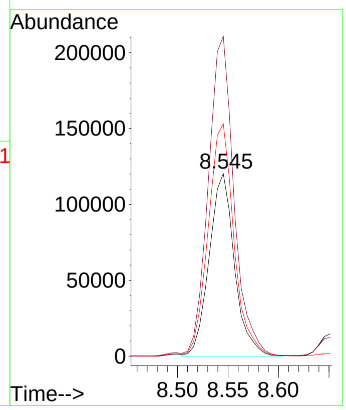
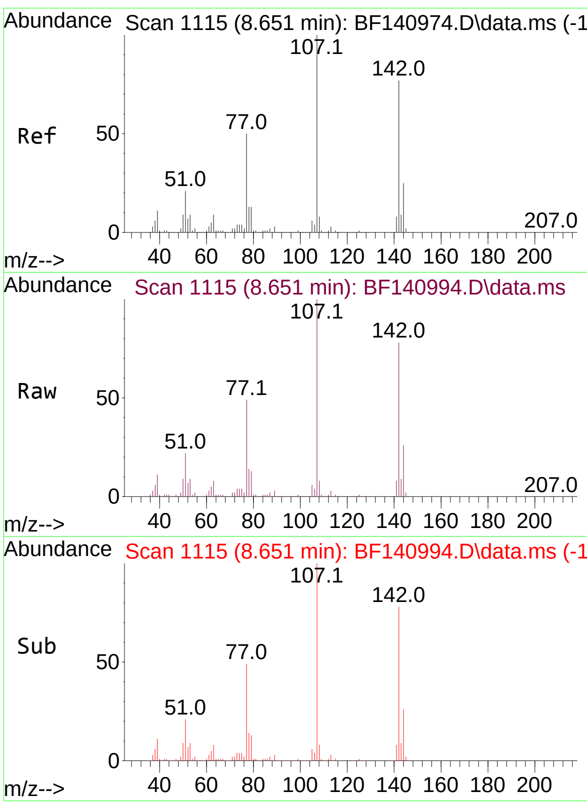


#35
Caprolactam
Concen: 39.233 ng m
RT: 8.545 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:113 Resp: 20943

Ion	Ratio	Lower	Upper
113	100		
55	175.2	156.6	196.6
56	127.2	111.7	151.7

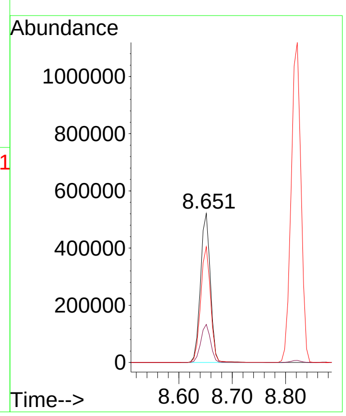


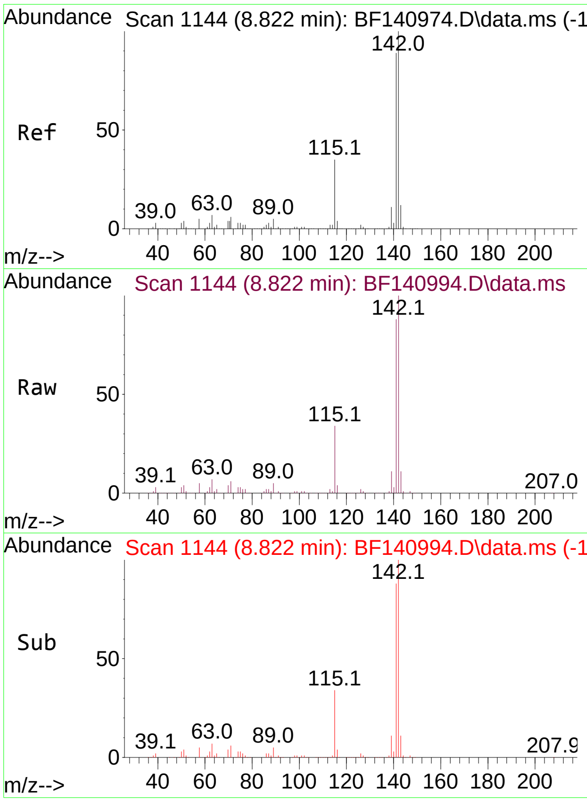


#36
4-Chloro-3-methylphenol
Concen: 38.663 ng
RT: 8.651 min Scan# 1115
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:107 Resp: 674230

Ion	Ratio	Lower	Upper
107	100		
144	25.6	19.9	29.9
142	77.7	61.8	92.8





#37
2-Methylnaphthalene
Concen: 38.321 ng
RT: 8.822 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:142 Resp: 143883

Ion	Ratio	Lower	Upper
142	100		
141	88.1	71.1	106.7

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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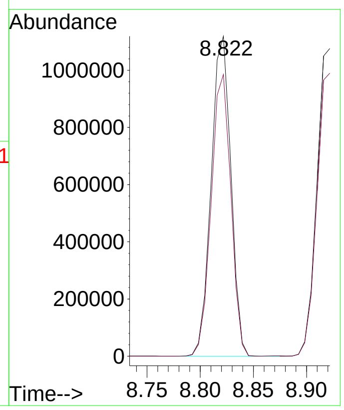
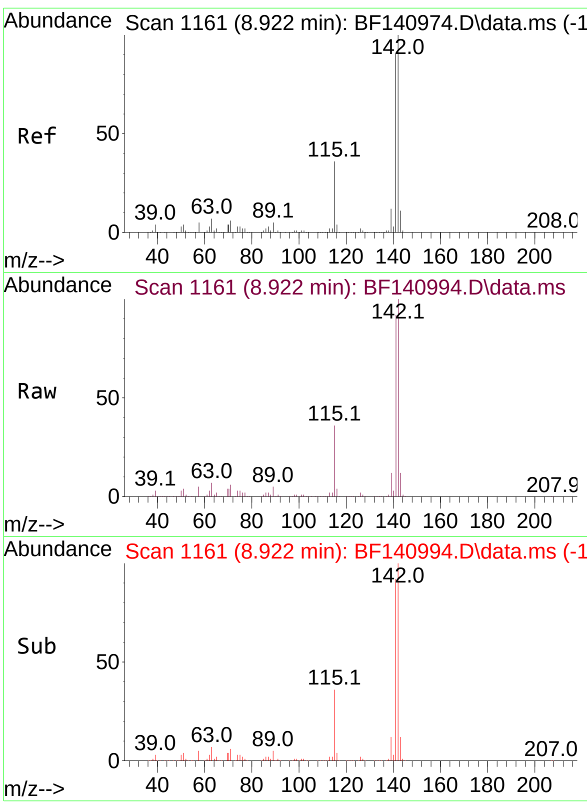
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

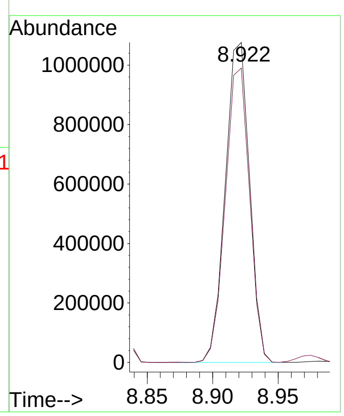




#38
1-Methylnaphthalene
Concen: 37.754 ng
RT: 8.922 min Scan# 1161
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:142 Resp: 1393127

Ion	Ratio	Lower	Upper
142	100		
141	92.0	72.7	109.1



Sample Results: **BF140994.D**

Instrument : BNA_F
ClientSampleId : SSTDCCC040

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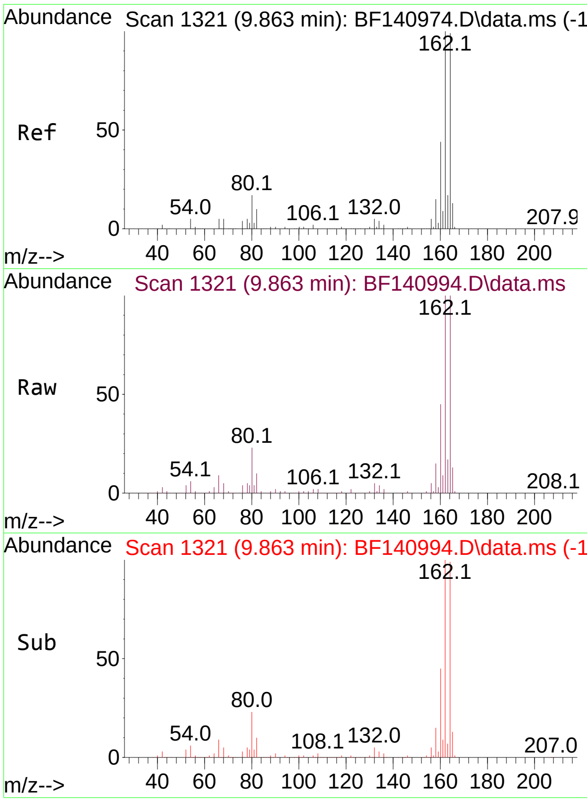
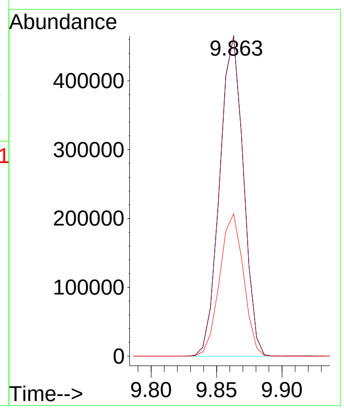
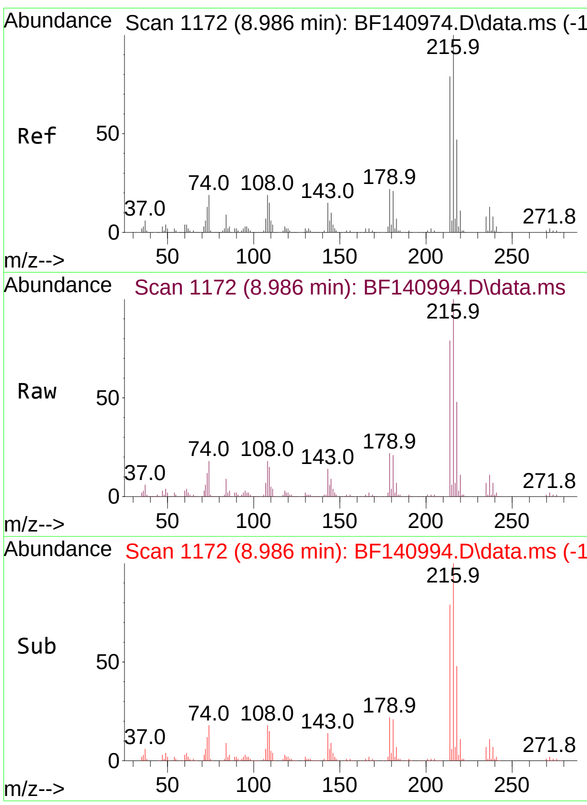


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:164 Resp: 58582

Ion	Ratio	Lower	Upper
164	100		
162	99.8	80.6	120.8
160	44.5	35.7	53.5

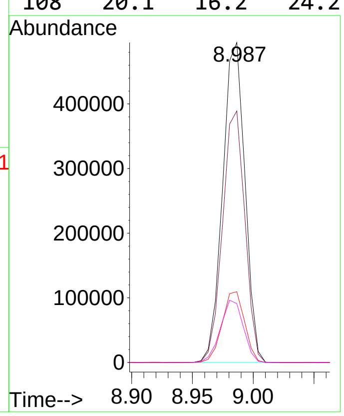


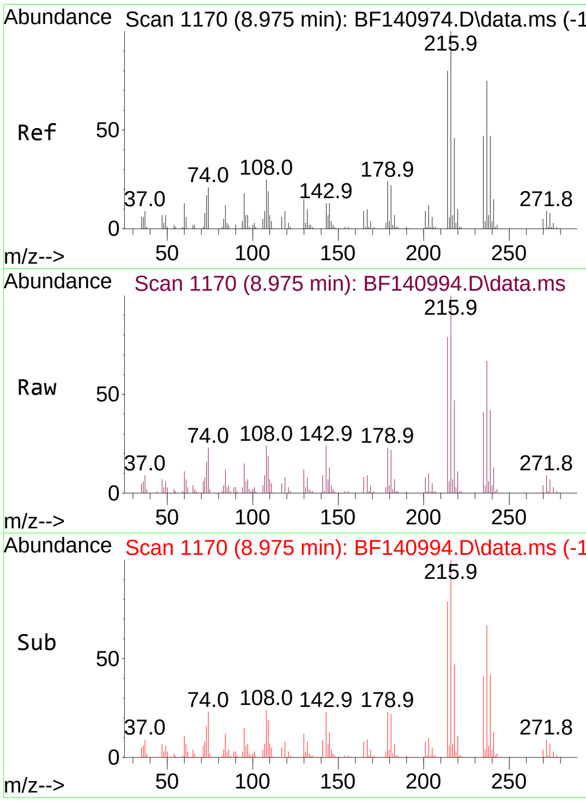


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.245 ng
RT: 8.986 min Scan# 1172
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:216 Resp: 632502

Ion	Ratio	Lower	Upper
216	100		
214	78.7	63.0	94.6
179	22.3	17.9	26.9
108	20.1	16.2	24.2






```
#41
Hexachlorocyclopentadiene
Concen:   40.751 ng
RT:   8.975 min  Scan# 1
Delta R.T.  0.000 min
Lab File:   BF140994.D
Acq: 27 Dec 2024  13:59

Tgt Ion:237 Resp:  21764
Ion  Ratio  Lower  Upper
237  100
235   62.0   43.4   83.4
272   12.8    0.0   32.6
```

Instrument :
BNA_F
ClientSampleId :
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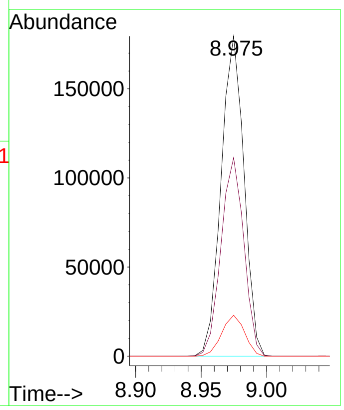
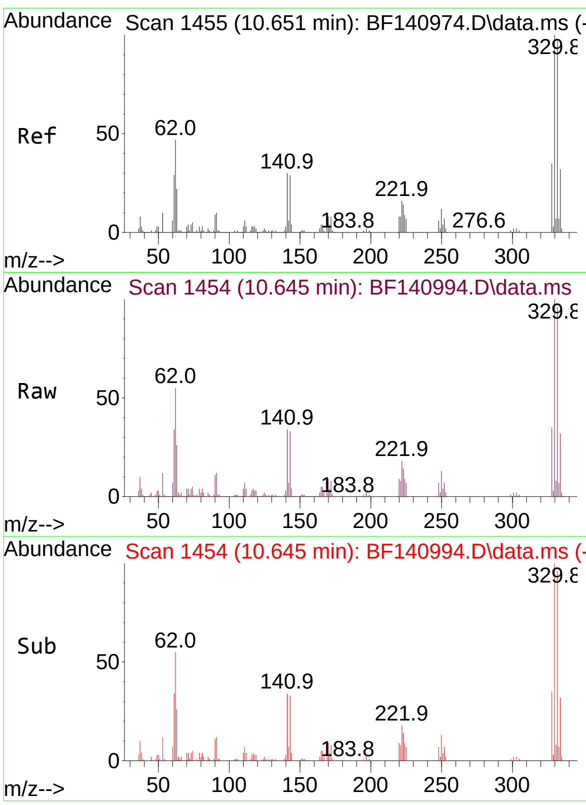
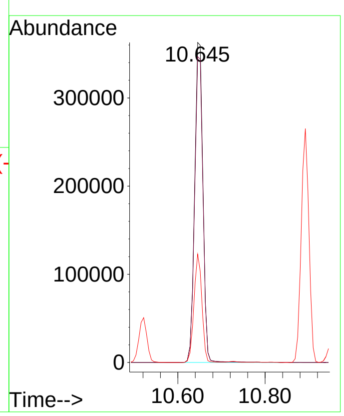
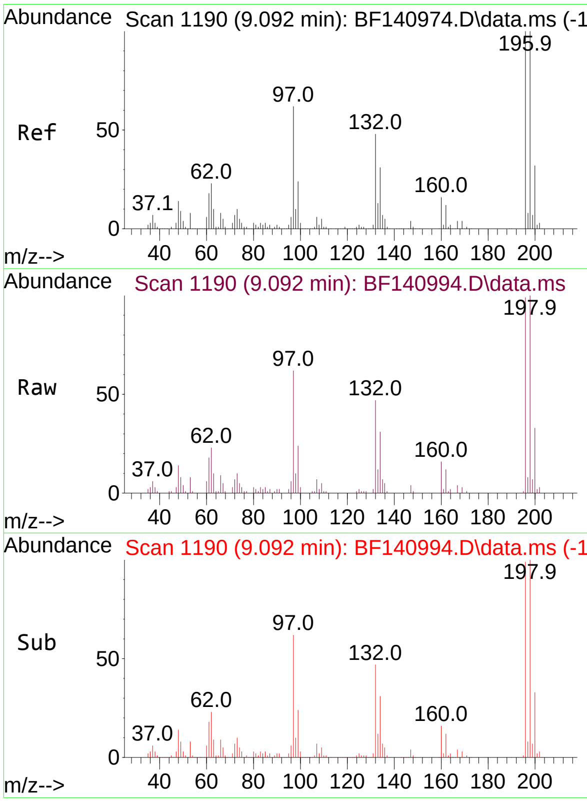





```
#42
2,4,6-Tribromophenol
Concen:   84.432 ng
RT:  10.645 min  Scan# 1454
Delta R.T.  -0.006 min
Lab File:   BF140994.D
Acq: 27 Dec 2024  13:59

Tgt Ion:330 Resp:  480628
Ion  Ratio  Lower  Upper
330  100
332   95.5   78.0  117.0
141   32.4   26.4   39.6
```





#43
2,4,6-Trichlorophenol
Concen: 40.100 ng
RT: 9.092 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:196 Resp: 43013

Ion	Ratio	Lower	Upper
196	100		
198	100.9	80.2	120.4
200	32.9	25.8	38.6

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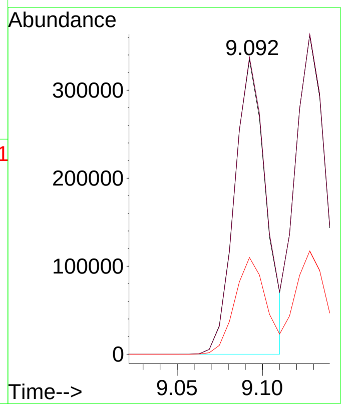
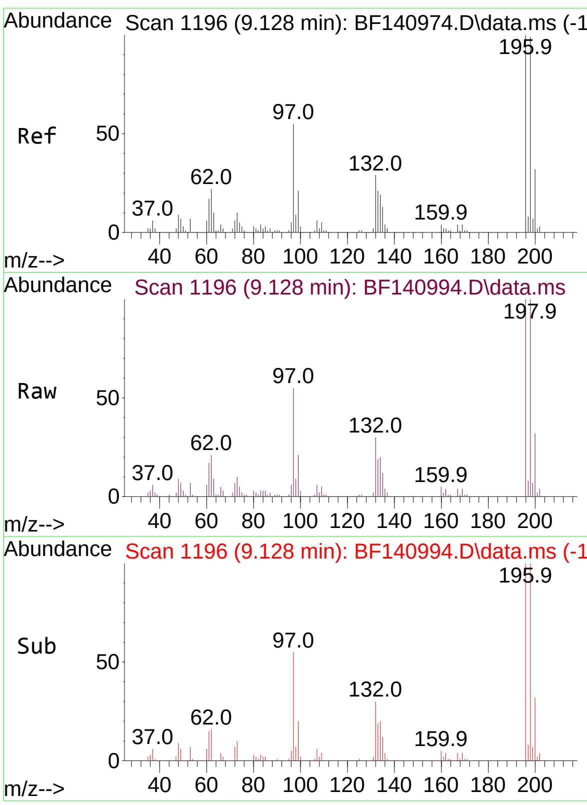
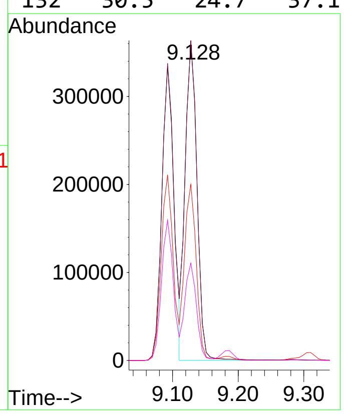




#44
2,4,5-Trichlorophenol
Concen: 41.204 ng
RT: 9.128 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:196 Resp: 452225

Ion	Ratio	Lower	Upper
196	100		
198	100.3	79.9	119.9
97	55.2	44.3	66.5
132	30.5	24.7	37.1



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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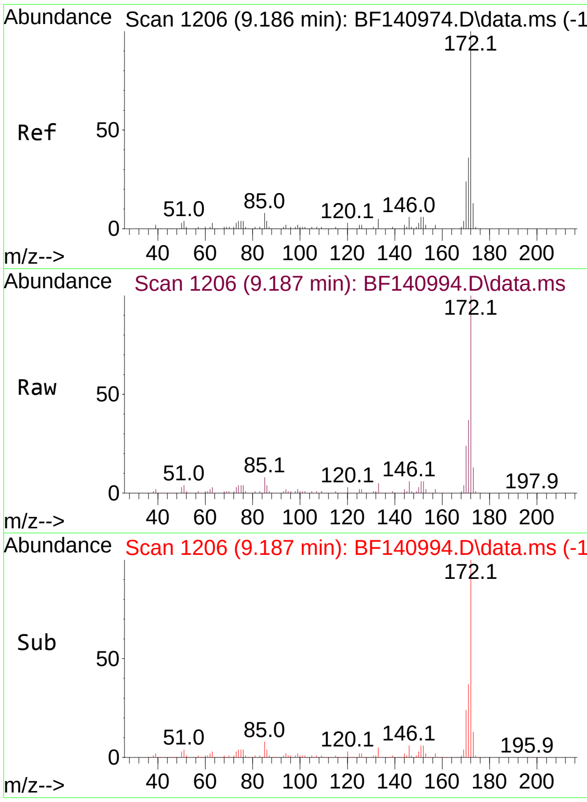
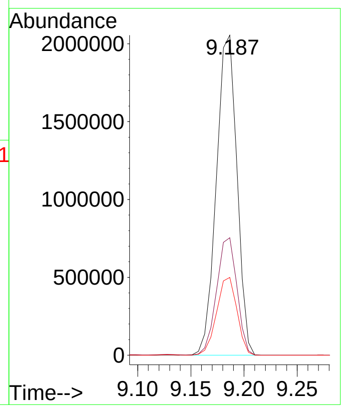
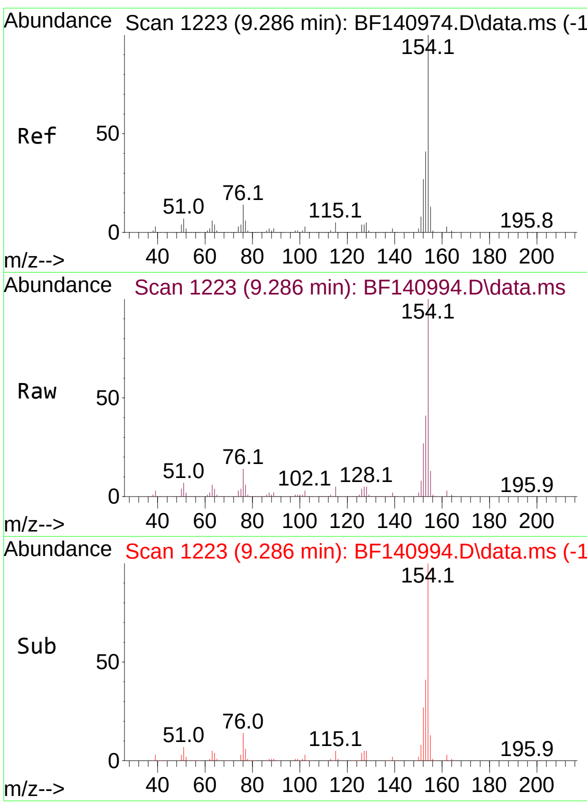
Supervised By :mohammad ahmed 12/30/2024




```
#45
2-Fluorobiphenyl
Concen:   75.089 ng
RT:   9.187 min  Scan# 1
Delta R.T.  0.000 min
Lab File:   BF140994.D
Acq: 27 Dec 2024  13:59

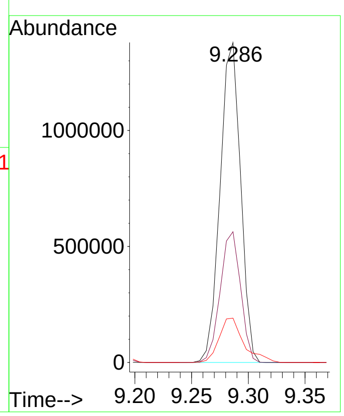
Tgt Ion:172 Resp: 276097
Ion  Ratio  Lower  Upper
172  100
171   36.7   29.0   43.4
170   24.3   19.6   29.4
```






```
#46
1,1'-Biphenyl
Concen:   38.706 ng
RT:   9.286 min  Scan# 1223
Delta R.T.  0.000 min
Lab File:   BF140994.D
Acq: 27 Dec 2024  13:59

Tgt Ion:154 Resp: 1736208
Ion  Ratio  Lower  Upper
154  100
153   40.8   20.9   60.9
 76   13.8    0.0   34.0
```



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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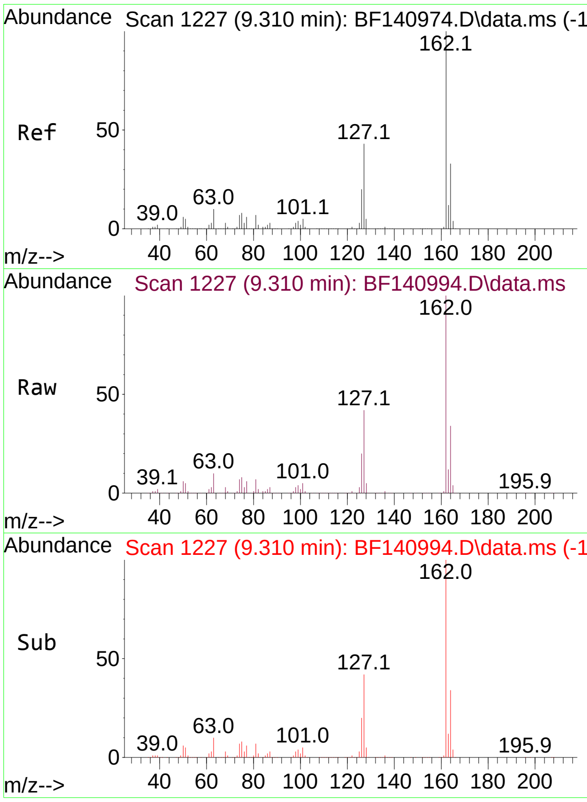
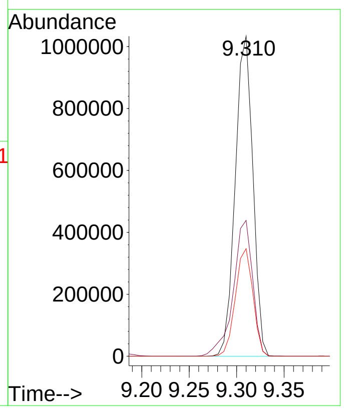
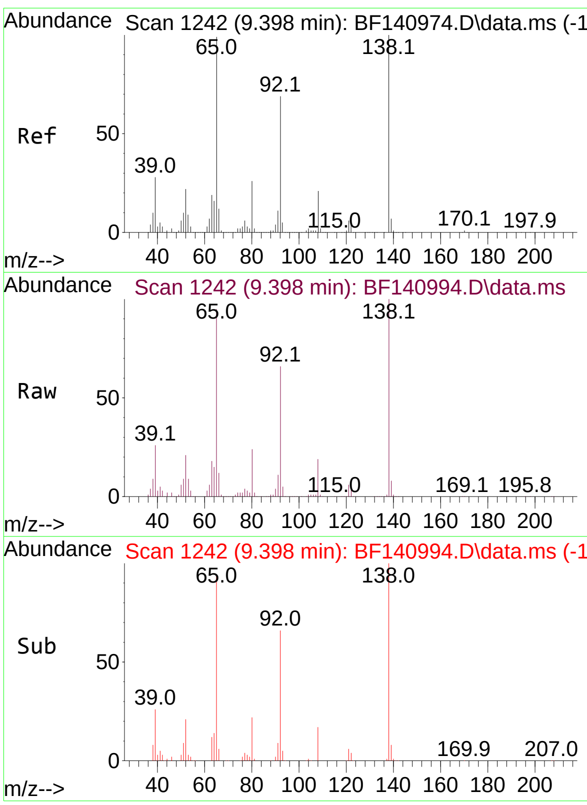


#47
2-Chloronaphthalene
Concen: 38.378 ng
RT: 9.310 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:162 Resp: 133512

Ion	Ratio	Lower	Upper
162	100		
127	42.4	34.2	51.4
164	33.6	26.6	40.0

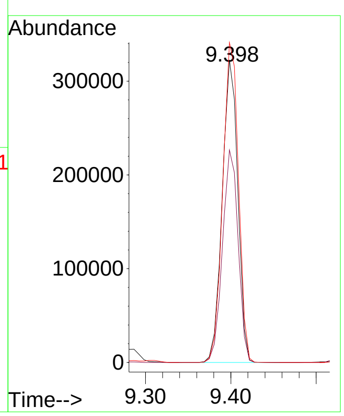


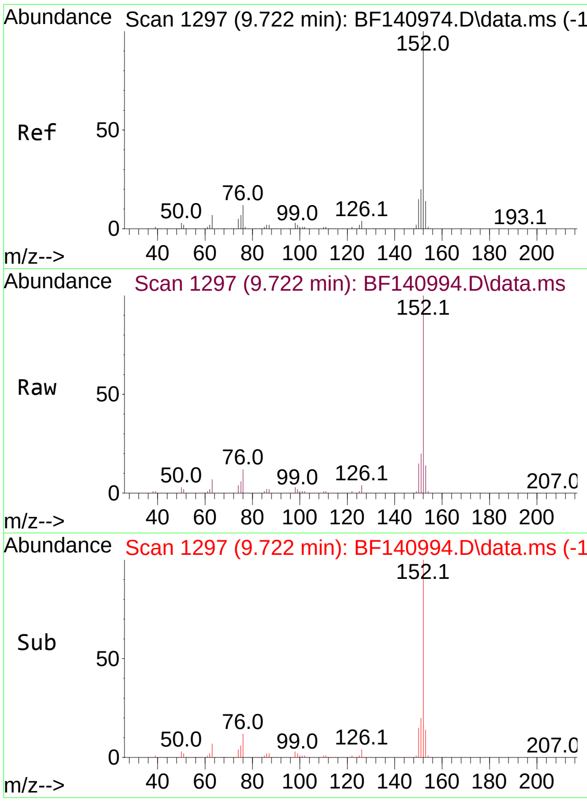


#48
2-Nitroaniline
Concen: 45.257 ng
RT: 9.398 min Scan# 1242
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion: 65 Resp: 409210

Ion	Ratio	Lower	Upper
65	100		
92	70.2	55.6	83.4
138	105.8	80.5	120.7






```
#49
Acenaphthylene
Concen:    38.857 ng
RT:    9.722 min   Scan# 1
Delta R.T.   -0.000 min
Lab File:    BF140994.D
Acq: 27 Dec 2024   13:59

Tgt Ion:152 Resp: 194599
Ion  Ratio   Lower   Upper
152   100
151    20.4   16.2    24.4
153    14.0   11.4    17.0
```

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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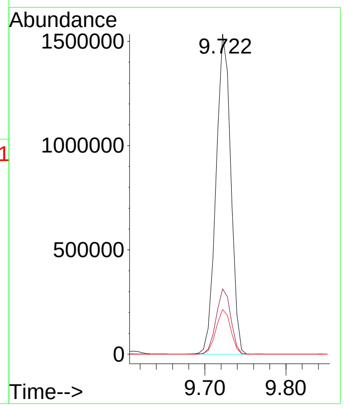
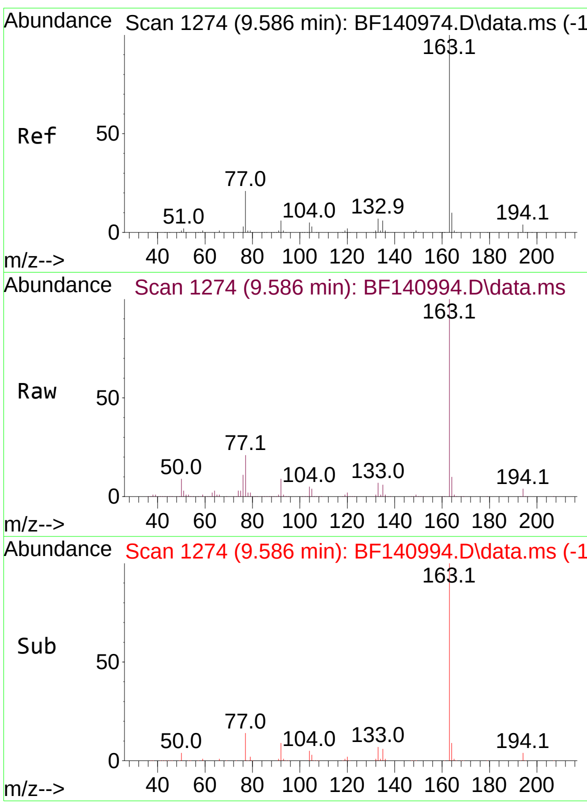
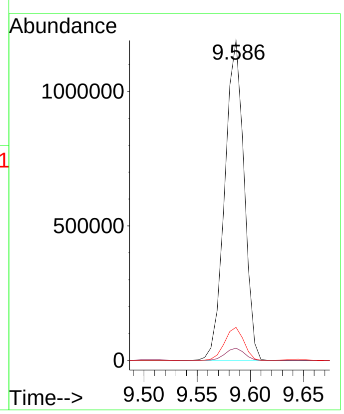
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

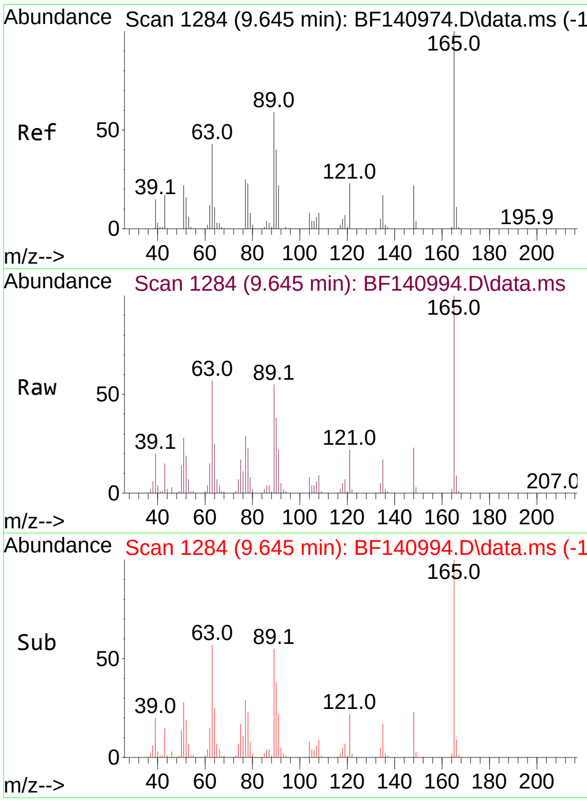





```
#50
Dimethylphthalate
Concen:    38.961 ng
RT:    9.586 min   Scan# 1274
Delta R.T.   0.000 min
Lab File:    BF140994.D
Acq: 27 Dec 2024   13:59

Tgt Ion:163 Resp: 1501321
Ion  Ratio   Lower   Upper
163   100
194     3.9    3.1     4.7
164    10.3    8.3    12.5
```

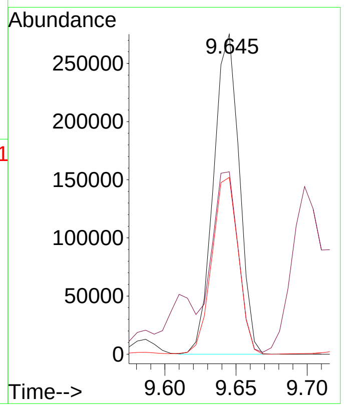




#51
2,6-Dinitrotoluene
Concen: 44.477 ng
RT: 9.645 min Scan# 1284
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:165 Resp: 347234

Ion	Ratio	Lower	Upper
165	100		
63	57.0	47.1	70.7
89	55.2	47.0	70.4



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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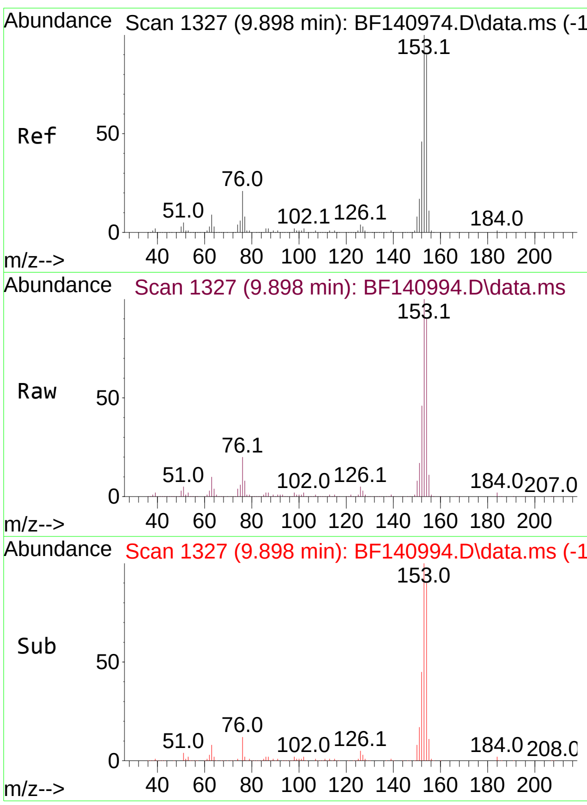
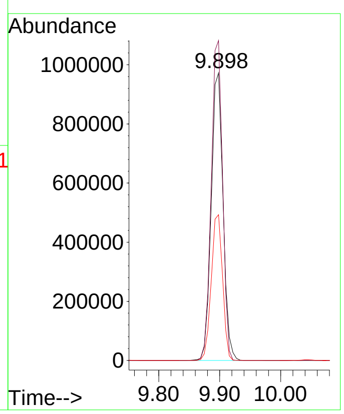


#52
Acenaphthene
Concen: 38.833 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:154 Resp: 1314751

Ion	Ratio	Lower	Upper
154	100		
153	111.3	89.2	133.8
152	50.7	40.9	61.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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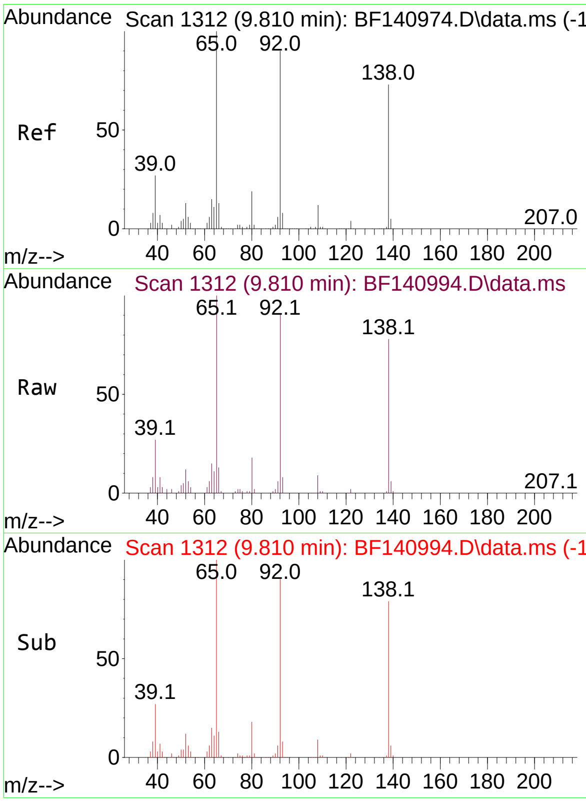
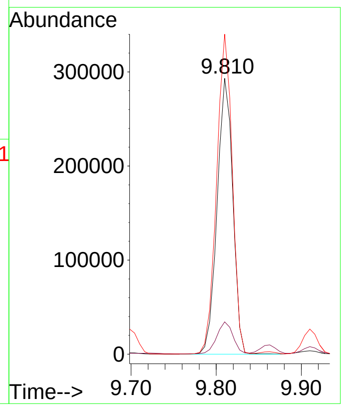
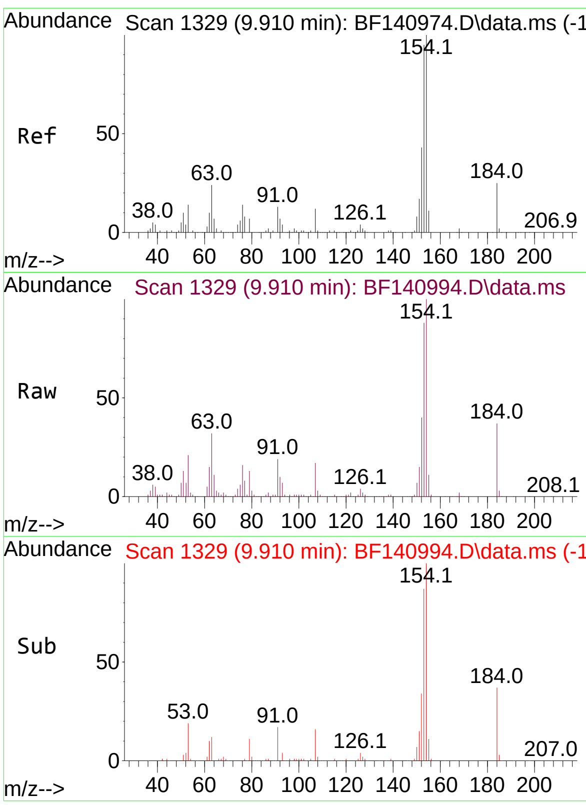


#53
3-Nitroaniline
Concen: 44.203 ng
RT: 9.810 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:138 Resp: 37539

Ion	Ratio	Lower	Upper
138	100		
108	11.7	13.5	20.3#
92	116.0	97.7	146.5

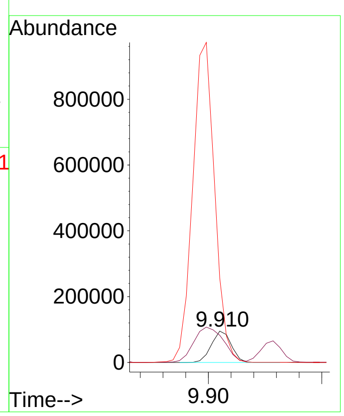




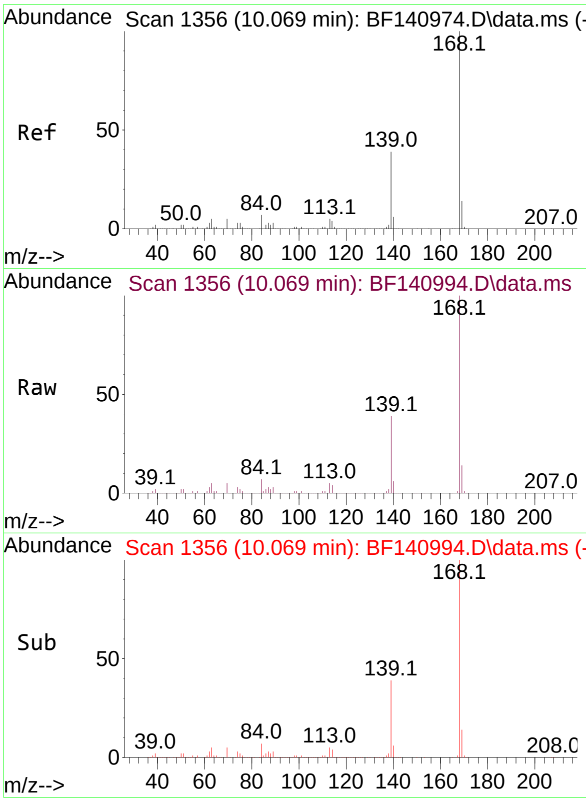
#54
2,4-Dinitrophenol
Concen: 47.390 ng
RT: 9.910 min Scan# 1329
Delta R.T. -0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:184 Resp: 116362

Ion	Ratio	Lower	Upper
184	100		
63	86.7	81.6	122.4
154	270.2	363.5	545.3#



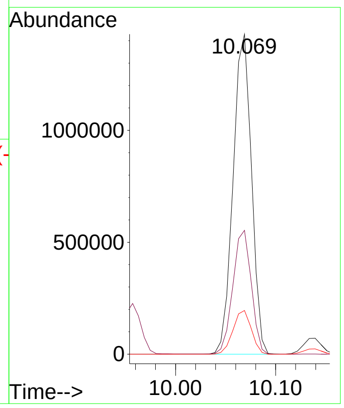
Sample Results: **BF140994.D**



#55
Dibenzofuran
Concen: 38.499 ng
RT: 10.069 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:168 Resp: 183178

Ion	Ratio	Lower	Upper
168	100		
139	38.7	31.6	47.4
169	13.7	11.0	16.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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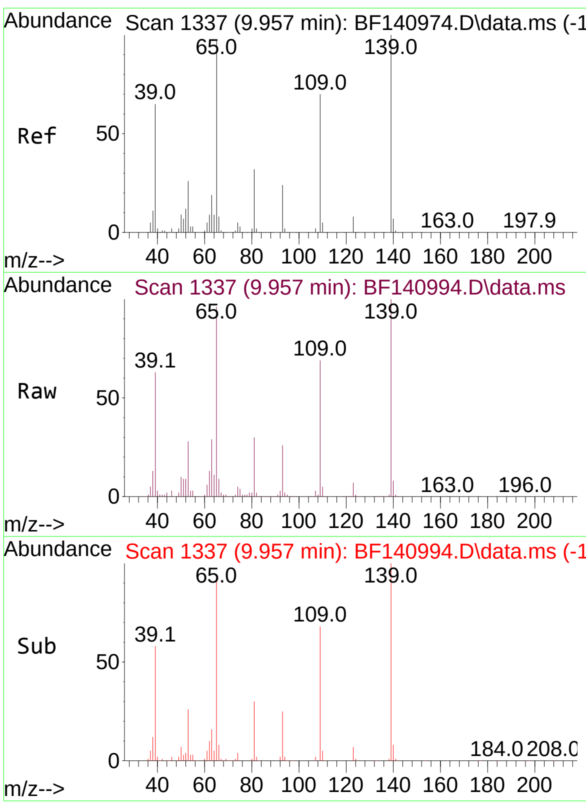
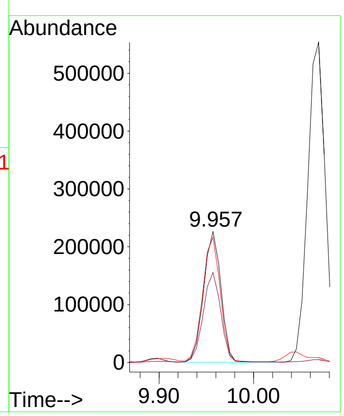


#56
4-Nitrophenol
Concen: 43.761 ng
RT: 9.957 min Scan# 1337
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:139 Resp: 288447

Ion	Ratio	Lower	Upper
139	100		
109	68.7	50.8	90.8
65	95.6	78.5	118.5



Instrument : BNA_F
ClientSampleId : SSTDCCC040

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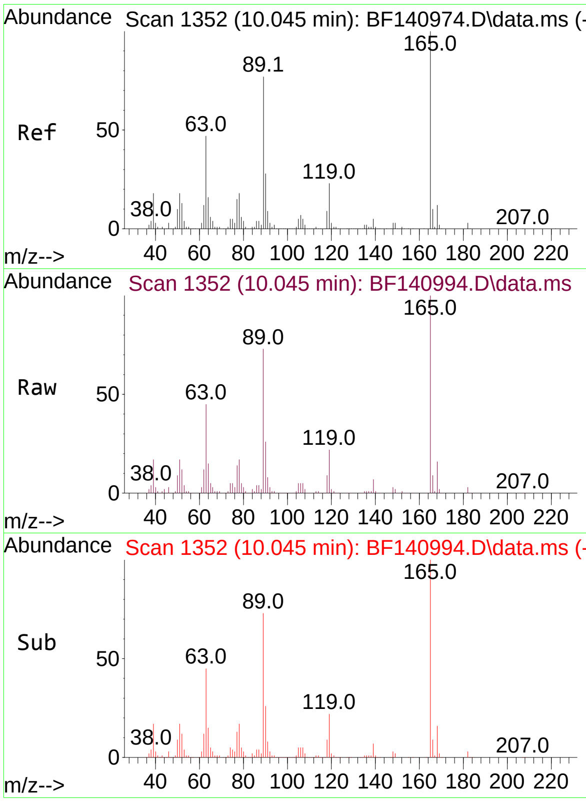
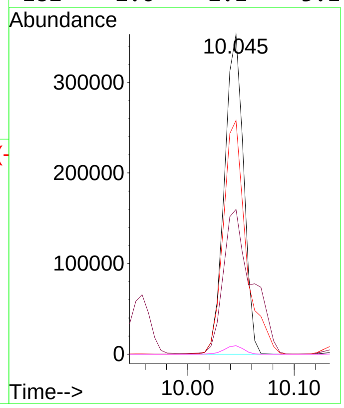
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

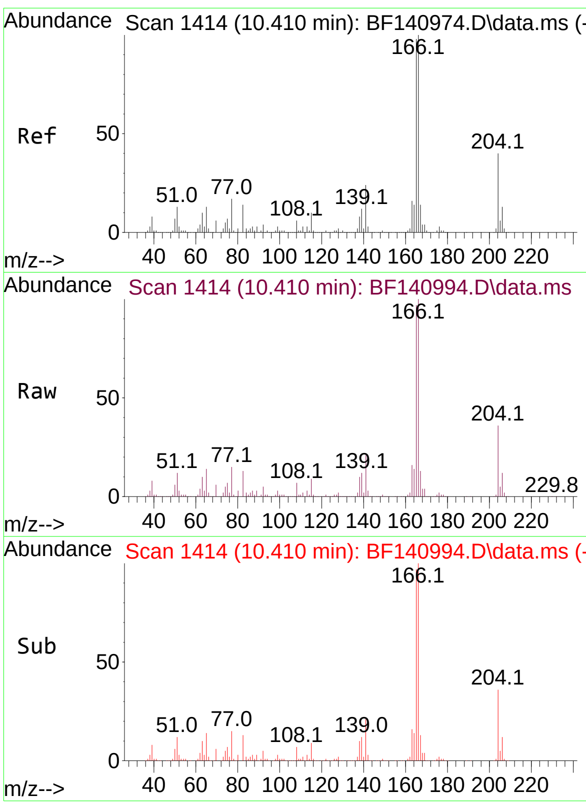


#57
2,4-Dinitrotoluene
Concen: 46.211 ng
RT: 10.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:165 Resp: 44259

Ion	Ratio	Lower	Upper
165	100		
63	45.2	38.1	57.1
89	73.1	61.4	92.2
182	2.6	2.1	3.1

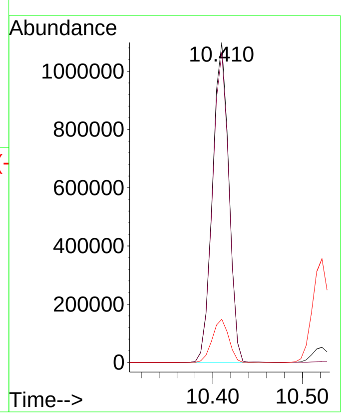




#58
Fluorene
Concen: 37.810 ng
RT: 10.410 min Scan# 1414
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:166 Resp: 1395040

Ion	Ratio	Lower	Upper
166	100		
165	97.0	78.3	117.5
167	13.5	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
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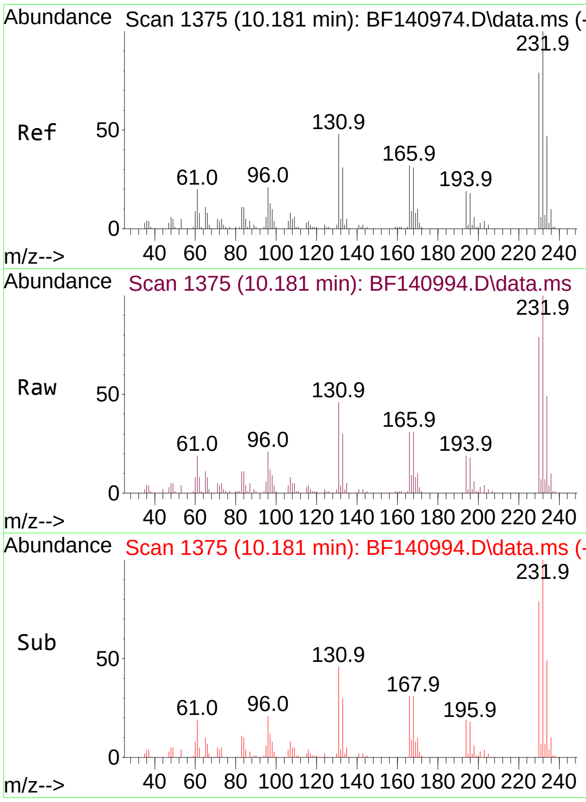
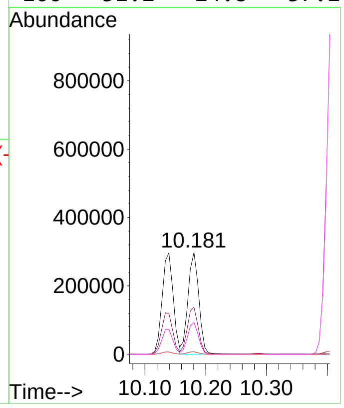
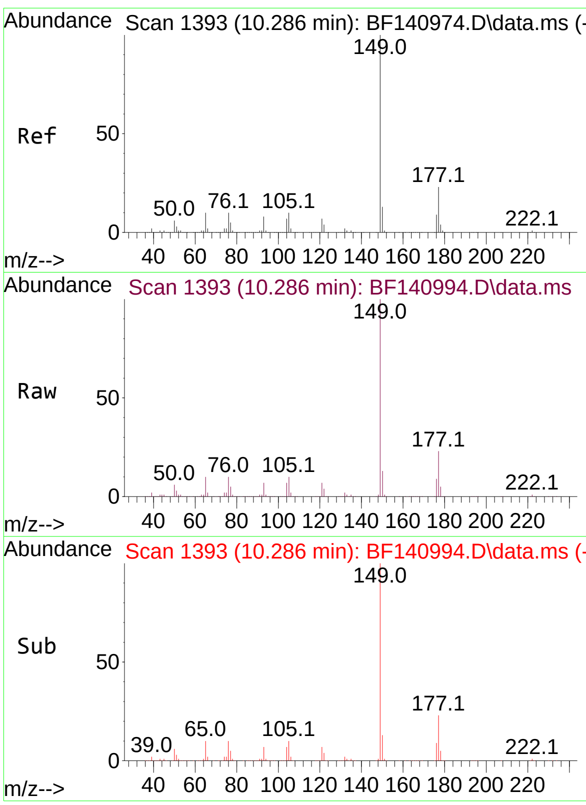


#59
2,3,4,6-Tetrachlorophenol
Concen: 40.652 ng
RT: 10.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:232 Resp: 36951

Ion	Ratio	Lower	Upper
232	100		
131	46.6	37.4	56.2
130	2.4	1.8	2.8
166	31.2	24.8	37.2

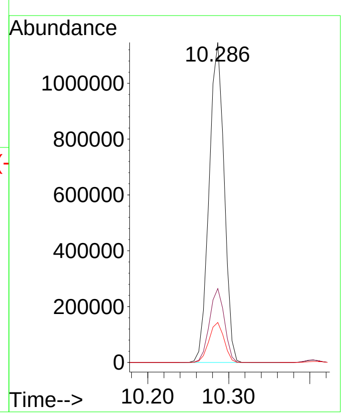




#60
Diethylphthalate
Concen: 38.843 ng
RT: 10.286 min Scan# 1393
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:149 Resp: 1477637

Ion	Ratio	Lower	Upper
149	100		
177	23.1	18.3	27.5
150	12.5	10.4	15.6



Instrument :
BNA_F
ClientSampleId :
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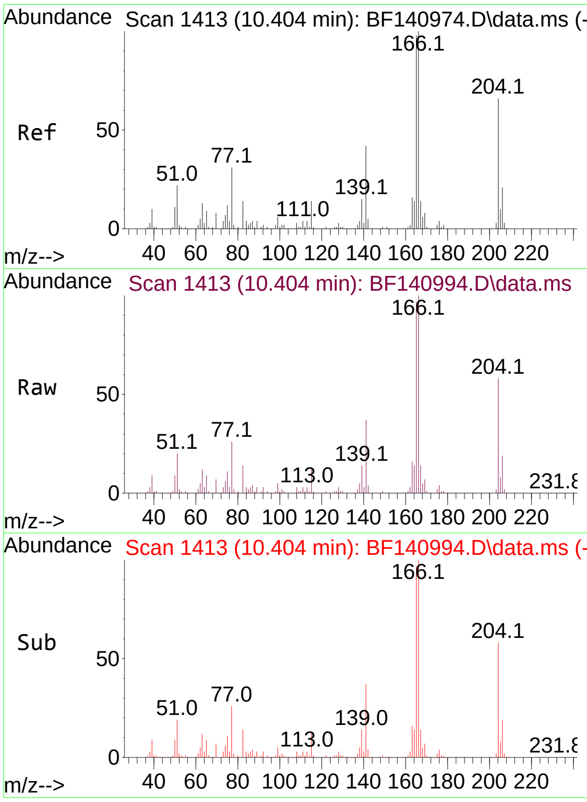
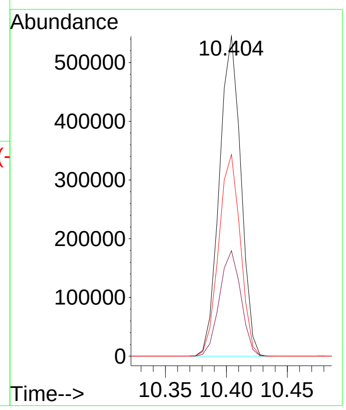
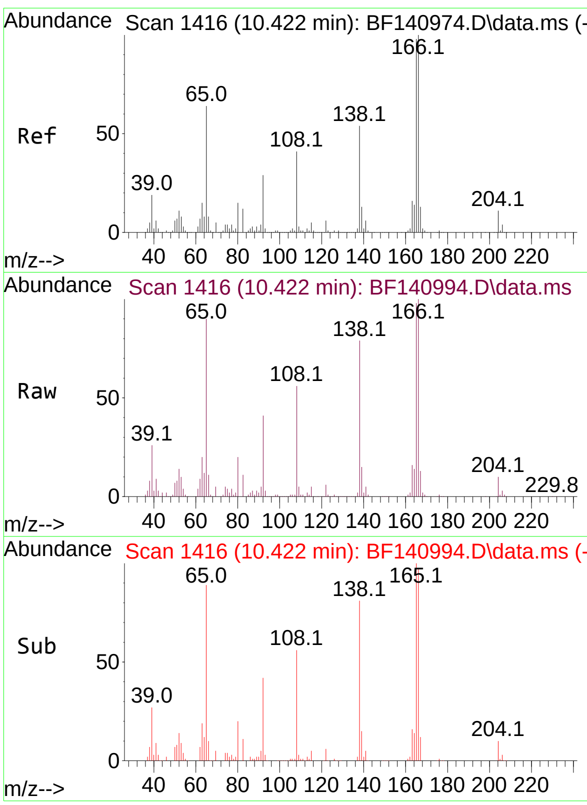


#61
4-Chlorophenyl-phenylether
Concen: 37.721 ng
RT: 10.404 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:204 Resp: 669688

Ion	Ratio	Lower	Upper
204	100		
206	32.9	25.8	38.6
141	63.0	51.2	76.8

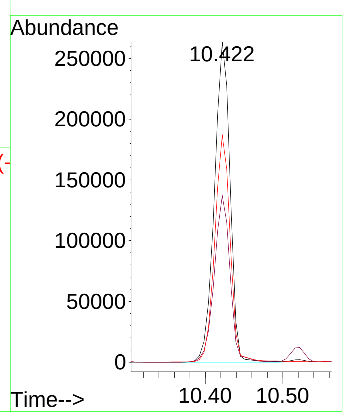




#62
4-Nitroaniline
Concen: 43.704 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:138 Resp: 370383

Ion	Ratio	Lower	Upper
138	100		
92	52.1	34.8	74.8
108	70.9	55.9	95.9



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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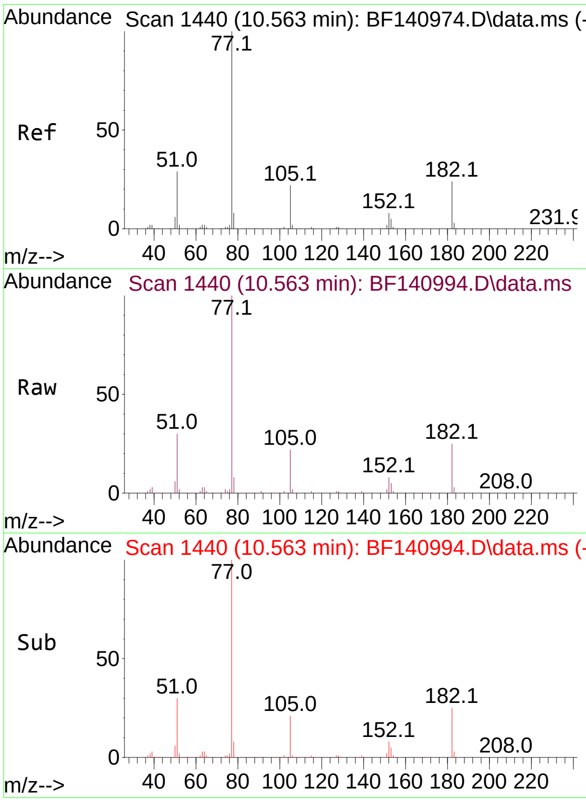
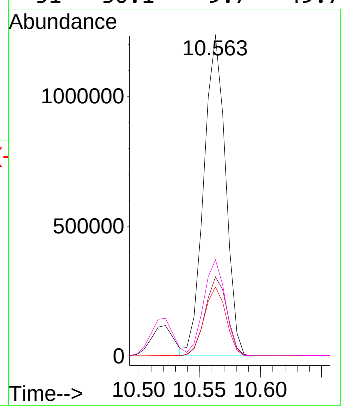
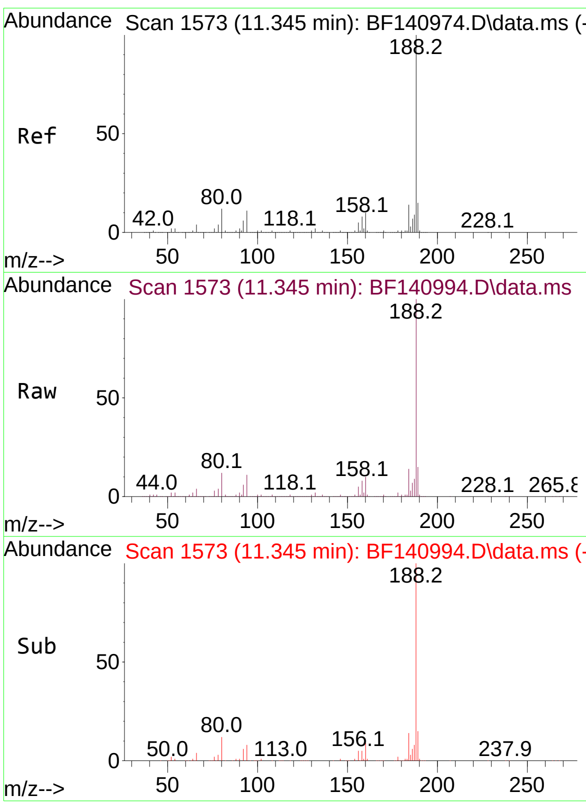



```
#63
Azobenzene
Concen:   38.398 ng
RT:  10.563 min  Scan# 14
Delta R.T.  0.000 min
Lab File:   BF140994.D
Acq: 27 Dec 2024  13:59

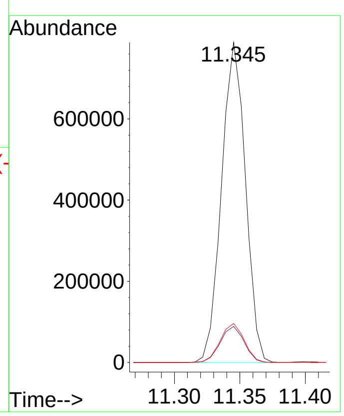
Tgt Ion: 77 Resp: 153322
Ion  Ratio  Lower  Upper
 77  100
182   24.7    4.1   44.1
105   21.5    1.8   41.8
 51   30.1    9.7   49.7
```






```
#64
Phenanthrene-d10
Concen:   20.000 ng
RT:  11.345 min  Scan# 1573
Delta R.T.  0.000 min
Lab File:   BF140994.D
Acq: 27 Dec 2024  13:59

Tgt Ion:188 Resp: 1000383
Ion  Ratio  Lower  Upper
188  100
 94   11.3    9.0   13.6
 80   12.2    9.8   14.6
```



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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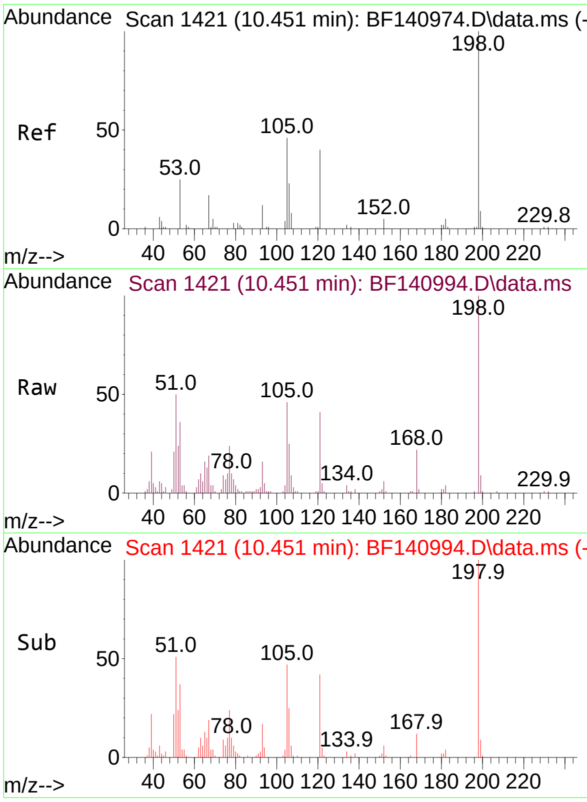
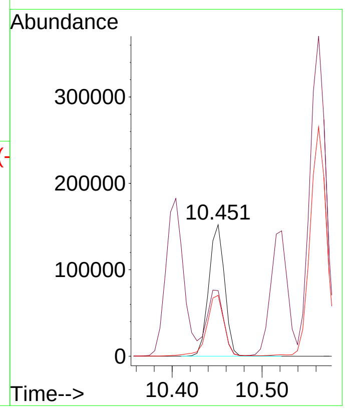
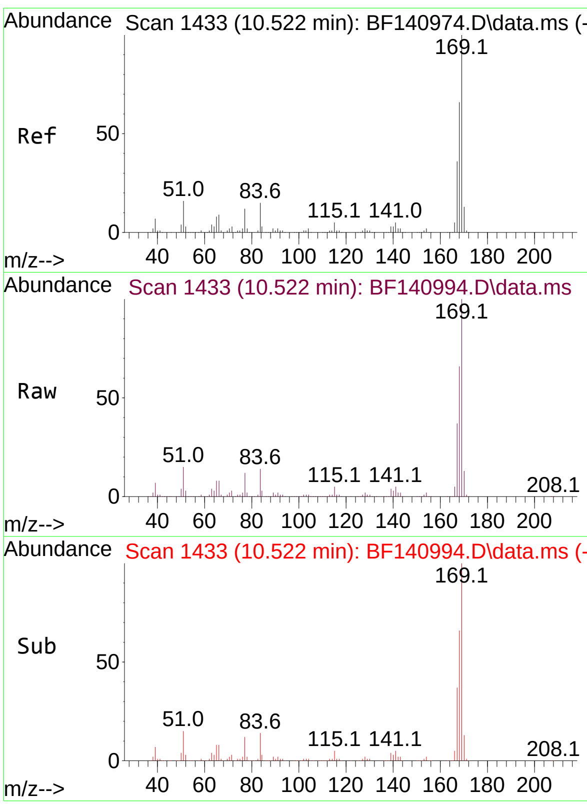



```
#65
4,6-Dinitro-2-methylphenol
Concen:   46.917 ng
RT:  10.451 min  Scan# 14
Delta R.T.  0.000 min
Lab File:   BF140994.D
Acq: 27 Dec 2024  13:59

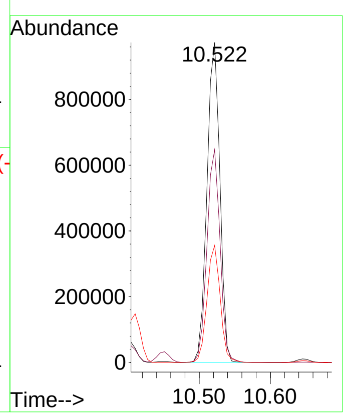
Tgt Ion:198 Resp:  18609
Ion  Ratio  Lower  Upper
198  100
 51   49.9   32.3   72.3
105   46.2   28.4   68.4
```



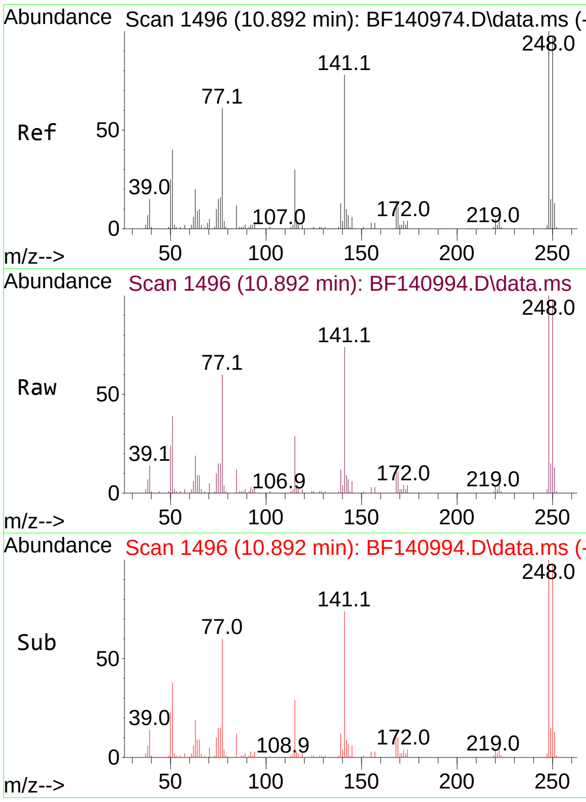



```
#66
n-Nitrosodiphenylamine
Concen:   39.161 ng
RT:  10.522 min  Scan# 1433
Delta R.T.  0.000 min
Lab File:   BF140994.D
Acq: 27 Dec 2024  13:59

Tgt Ion:169 Resp: 1233641
Ion  Ratio  Lower  Upper
169  100
168   66.4   52.6   79.0
167   36.6   29.0   43.4
```



Sample Results: **BF140994.D**



#67
4-Bromophenyl-phenylether
Concen: 40.629 ng
RT: 10.892 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:248 Resp: 43937

Ion	Ratio	Lower	Upper
248	100		
250	97.4	77.7	116.5
141	73.7	62.1	93.1

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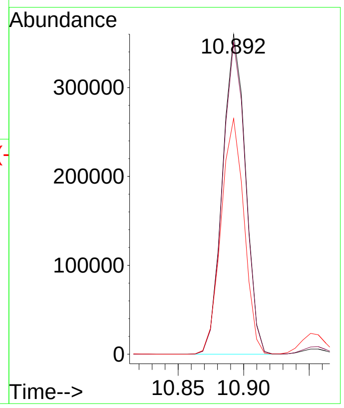
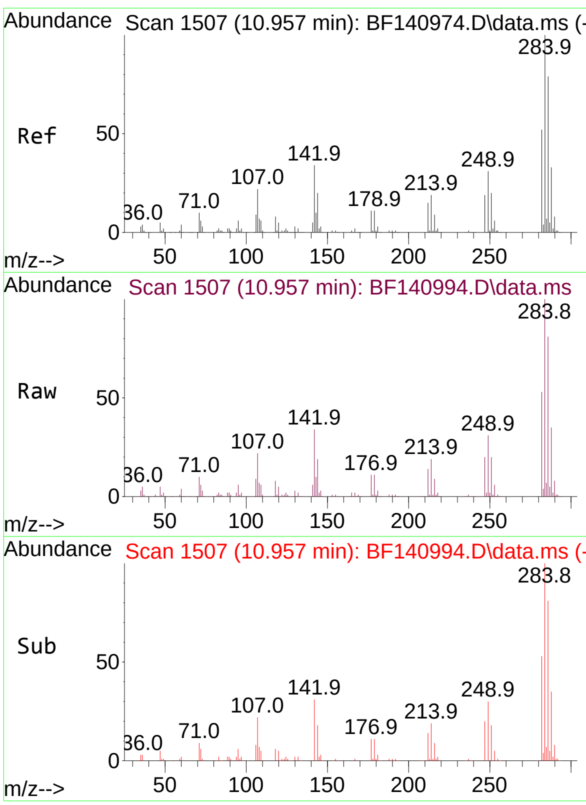
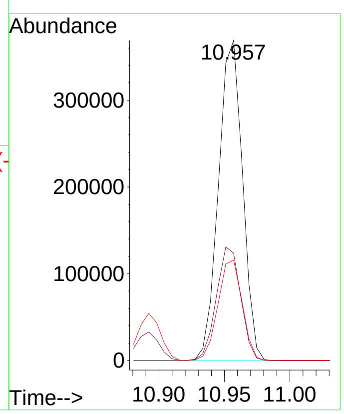




#68
Hexachlorobenzene
Concen: 39.462 ng
RT: 10.957 min Scan# 1507
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:284 Resp: 470563

Ion	Ratio	Lower	Upper
284	100		
142	33.5	27.1	40.7
249	31.4	25.1	37.7



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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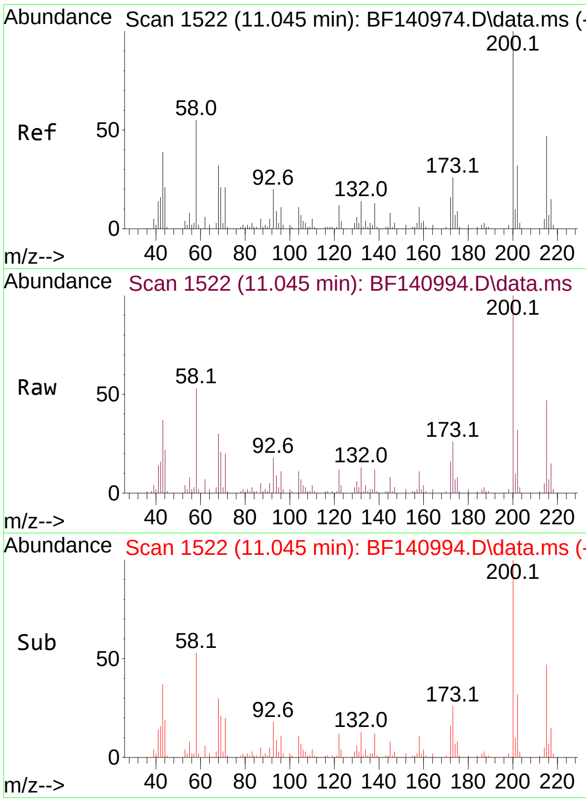
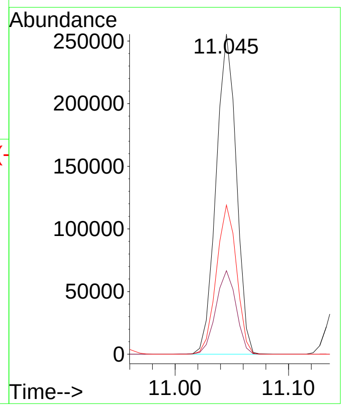
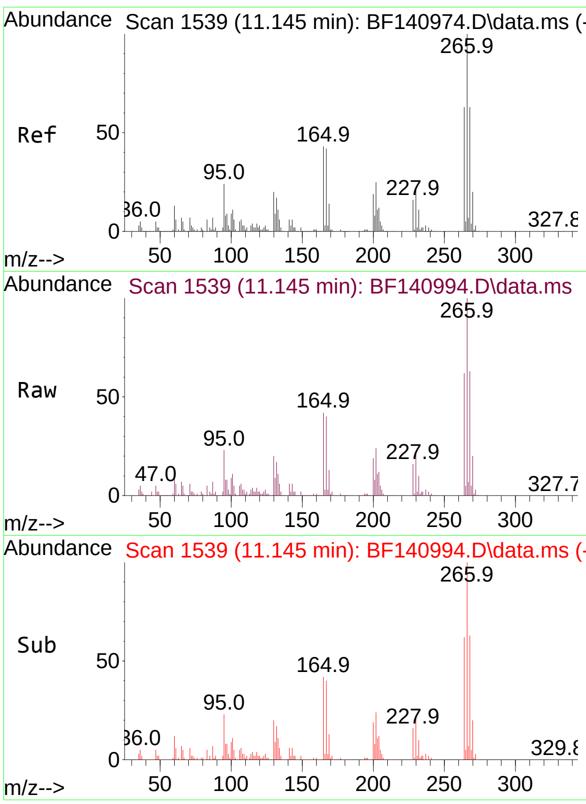


#69
Atrazine
Concen: 35.956 ng
RT: 11.045 min Scan# 1!
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:200 Resp: 31643

Ion	Ratio	Lower	Upper
200	100		
173	26.1	6.4	46.4
215	46.6	27.2	67.2

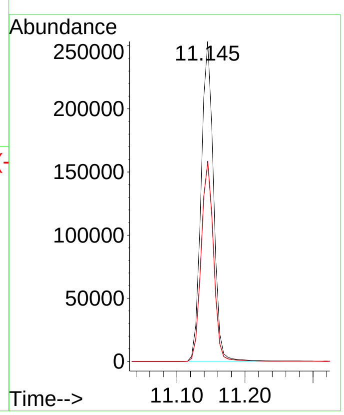


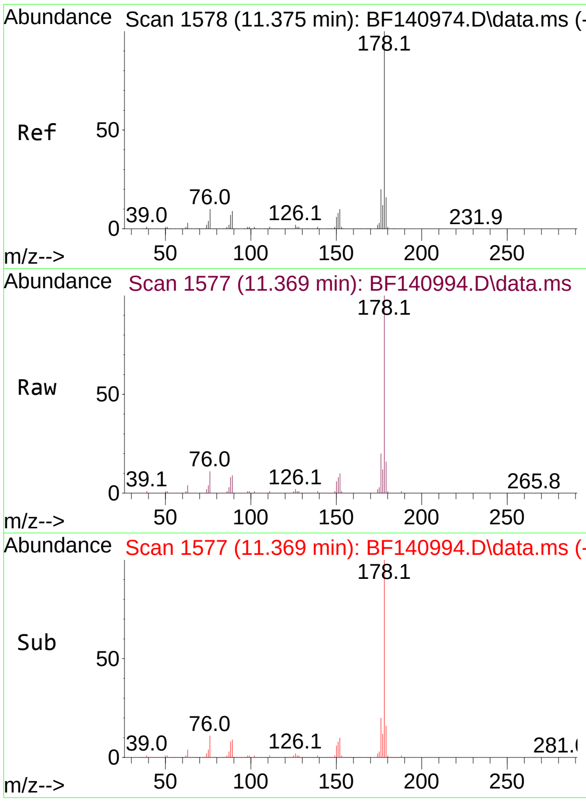


#70
Pentachlorophenol
Concen: 43.264 ng
RT: 11.145 min Scan# 1539
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:266 Resp: 321201

Ion	Ratio	Lower	Upper
266	100		
268	62.6	50.5	75.7
264	62.1	50.2	75.4

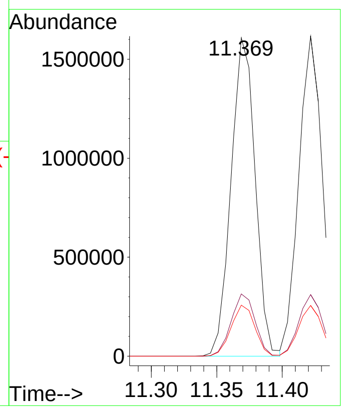




#71
Phenanthrene
Concen: 39.276 ng
RT: 11.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:178 Resp: 206790

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.8	23.6
179	16.0	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
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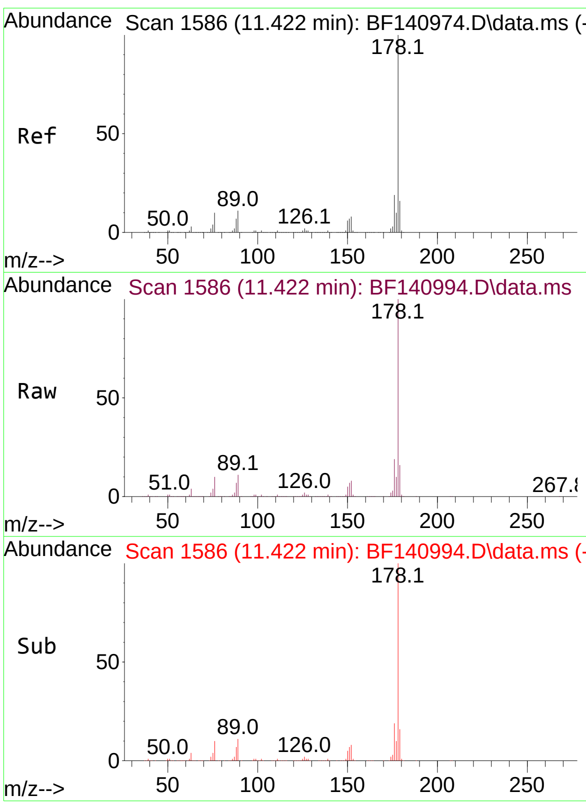
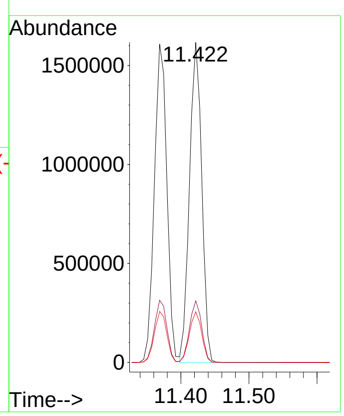


#72
Anthracene
Concen: 38.909 ng
RT: 11.422 min Scan# 1586
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:178 Resp: 2007394

Ion	Ratio	Lower	Upper
178	100		
176	19.2	15.3	22.9
179	15.8	12.9	19.3



Instrument :
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ClientSampleId :
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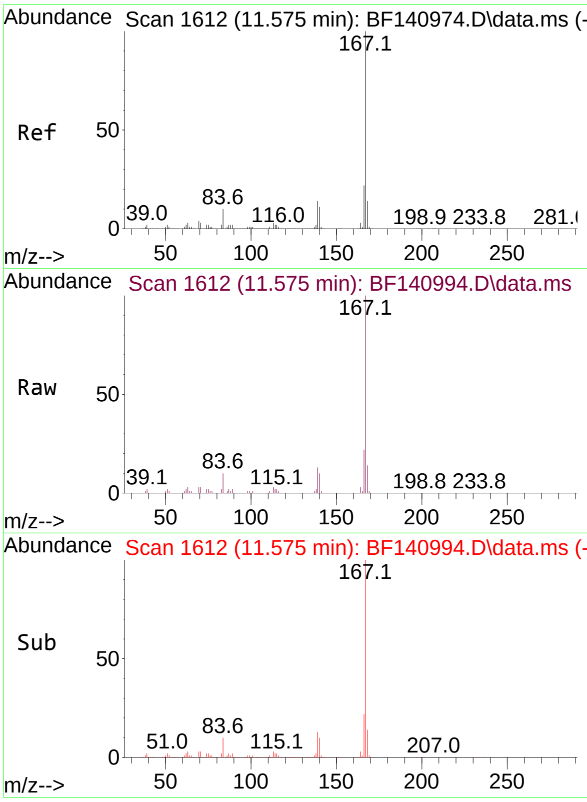
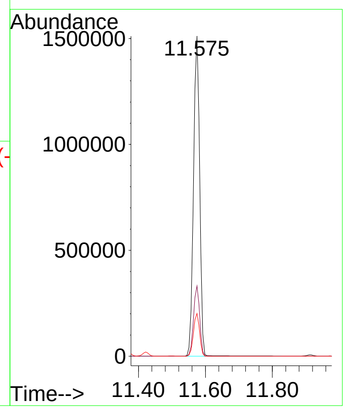
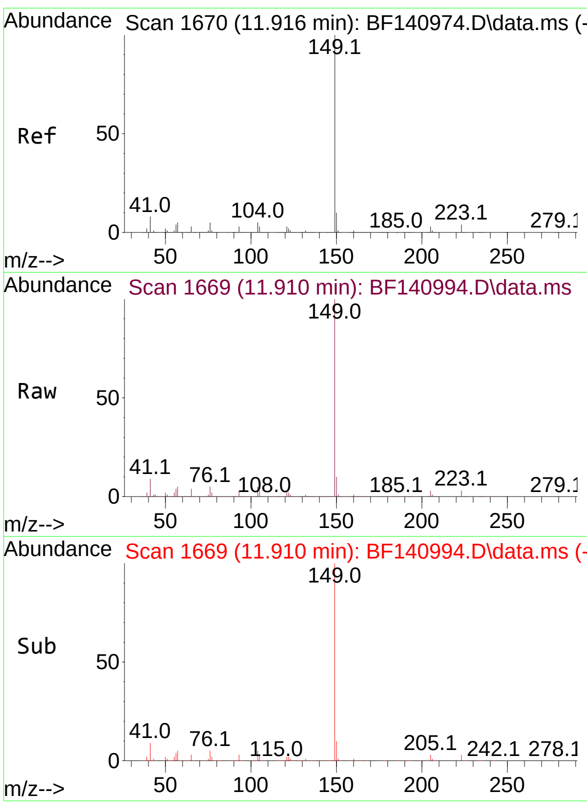


#73
Carbazole
Concen: 38.935 ng
RT: 11.575 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:167 Resp: 193100

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.5	26.3
139	13.3	11.0	16.4

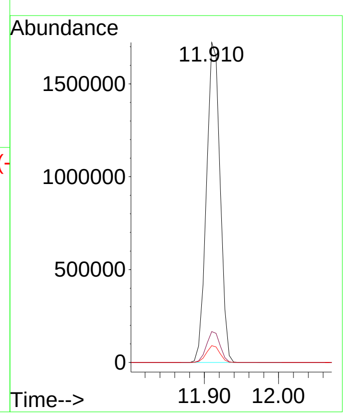


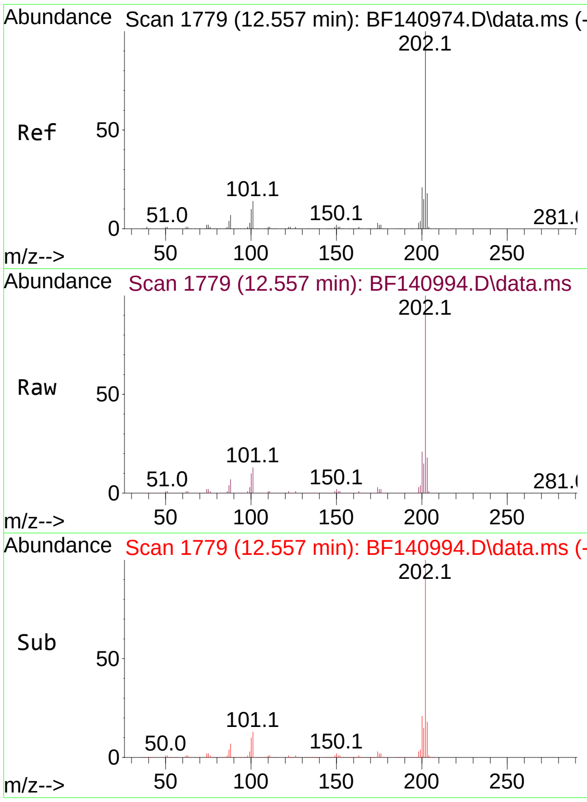


#74
Di-n-butylphthalate
Concen: 39.149 ng
RT: 11.910 min Scan# 1669
Delta R.T. -0.006 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:149 Resp: 2208413

Ion	Ratio	Lower	Upper
149	100		
150	9.7	7.7	11.5
104	5.2	4.1	6.1





#75
Fluoranthene
Concen: 37.866 ng
RT: 12.557 min   Scan# 1
Delta R.T.   0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024   13:59

Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Tgt Ion:202 Resp: 216226

Ion	Ratio	Lower	Upper
202	100		
101	13.3	0.0	33.7
203	18.0	0.0	38.1

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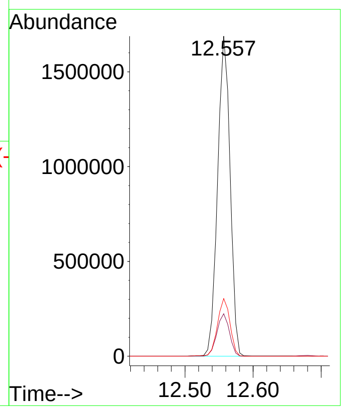
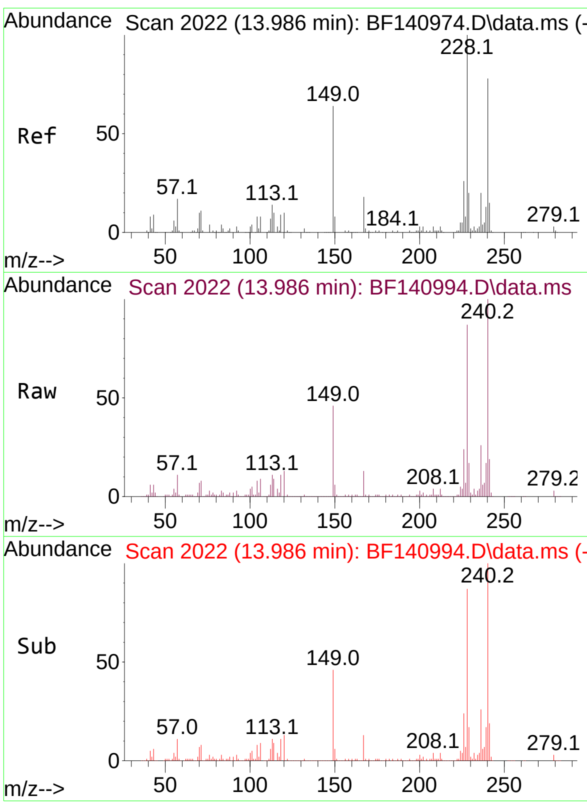
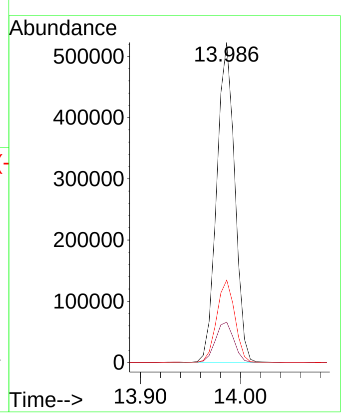




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min   Scan# 2022
Delta R.T.   0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024   13:59

Tgt Ion:240 Resp: 654182

Ion	Ratio	Lower	Upper
240	100		
120	12.6	10.7	16.1
236	25.8	20.6	31.0



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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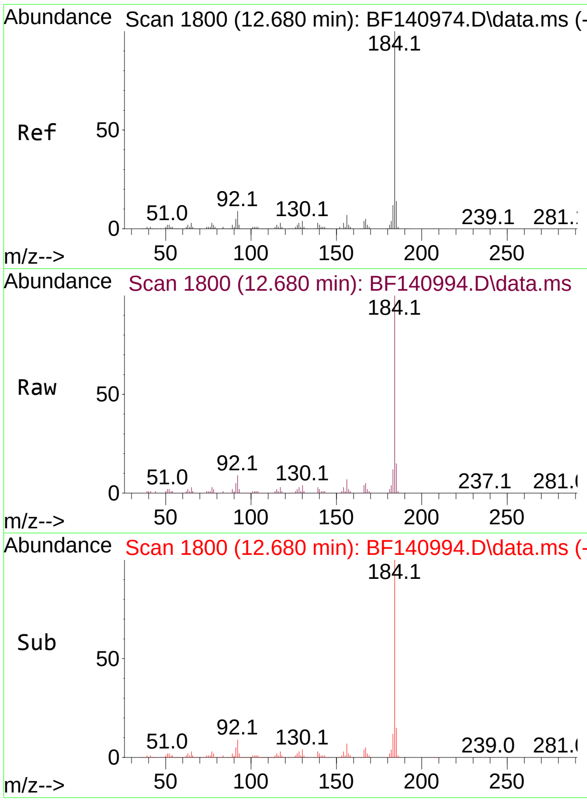
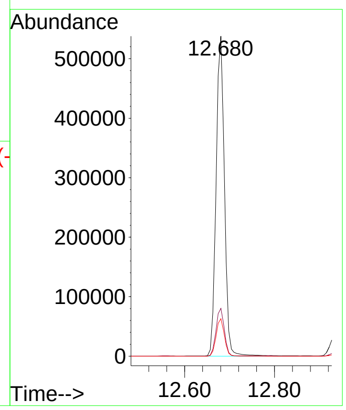
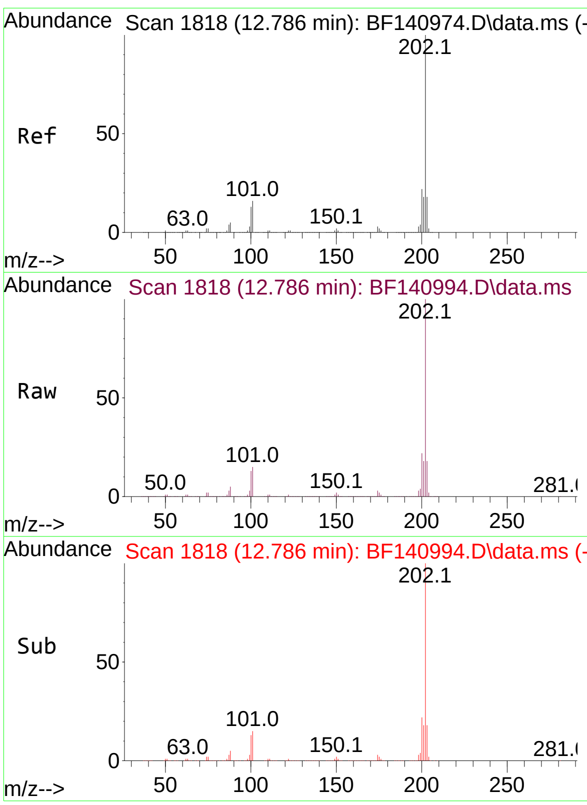


#77
Benzidine
Concen: 50.365 ng
RT: 12.680 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:184 Resp: 69632

Ion	Ratio	Lower	Upper
184	100		
185	14.9	11.4	17.2
183	11.7	9.4	14.0

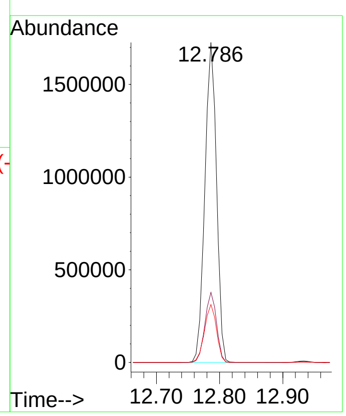




#78
Pyrene
Concen: 38.653 ng
RT: 12.786 min Scan# 1818
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:202 Resp: 2211440

Ion	Ratio	Lower	Upper
202	100		
200	21.9	17.3	25.9
203	18.1	14.6	21.8



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

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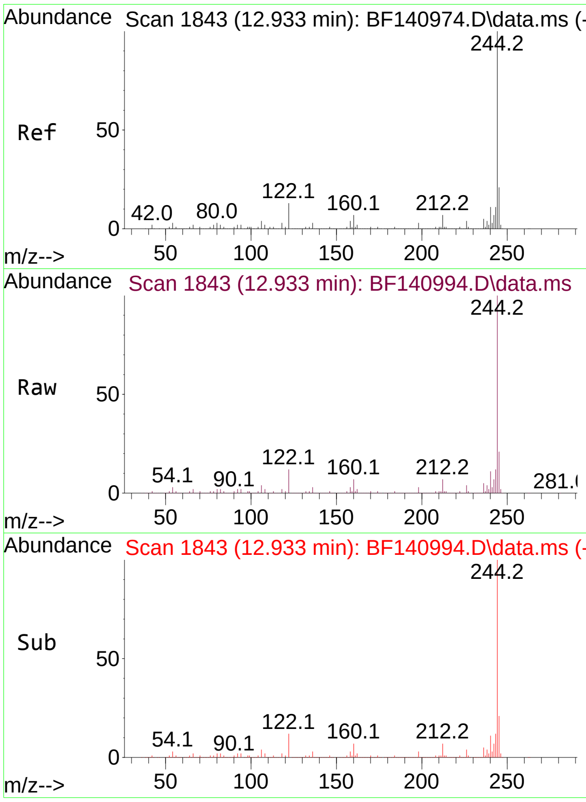
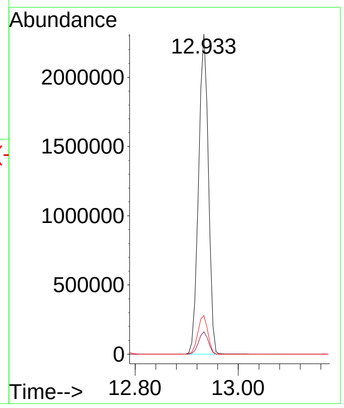
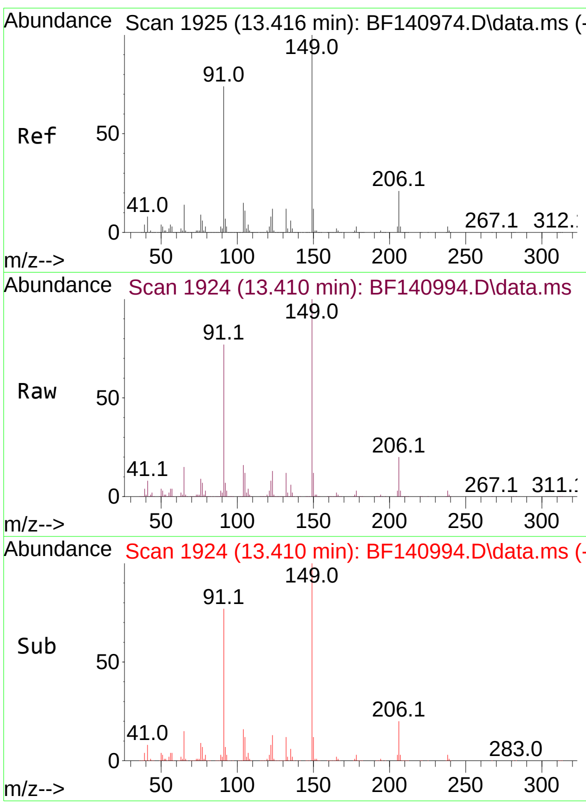


#79
Terphenyl-d14
Concen: 77.455 ng
RT: 12.933 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:244 Resp: 305056

Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.7	8.5
122	12.1	10.2	15.2

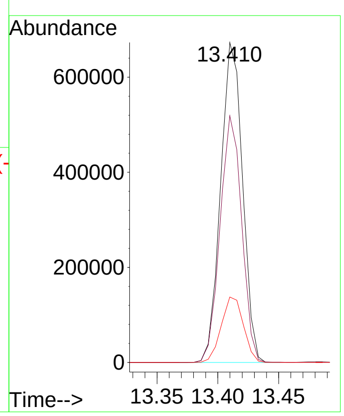


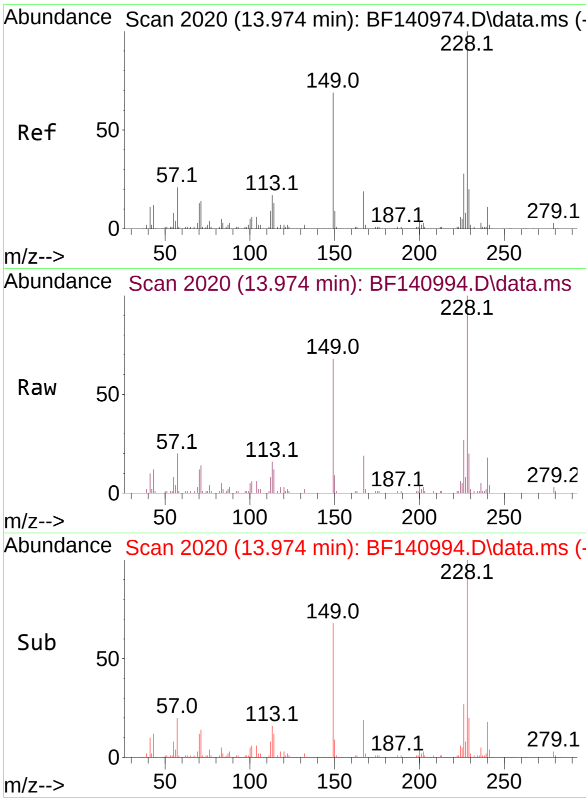


#80
Butylbenzylphthalate
Concen: 40.421 ng
RT: 13.410 min Scan# 1924
Delta R.T. -0.006 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:149 Resp: 844457

Ion	Ratio	Lower	Upper
149	100		
91	77.1	59.5	89.3
206	20.5	17.1	25.7

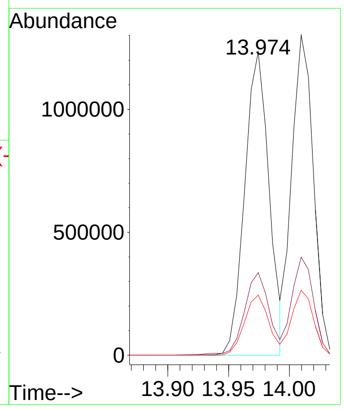




#81
Benzo(a)anthracene
Concen: 37.774 ng
RT: 13.974 min Scan# 2
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

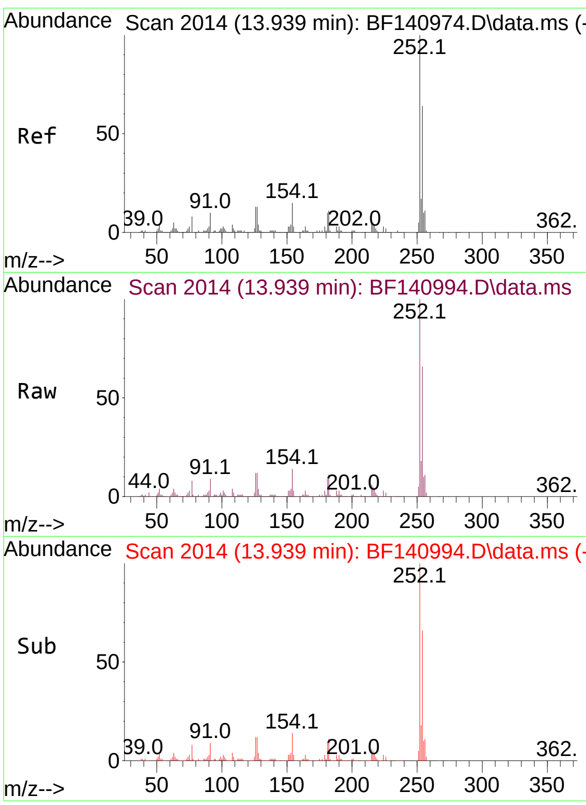
Tgt Ion:228 Resp: 1722198

Ion	Ratio	Lower	Upper
228	100		
226	27.2	22.1	33.1
229	19.8	16.2	24.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

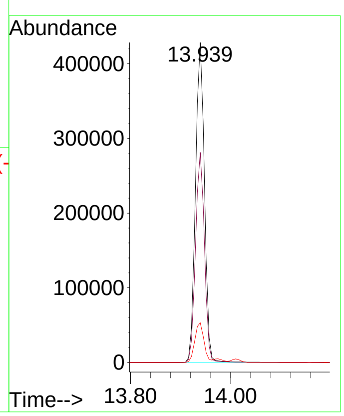
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#82
3,3'-Dichlorobenzidine
Concen: 38.791 ng
RT: 13.939 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:252 Resp: 531369

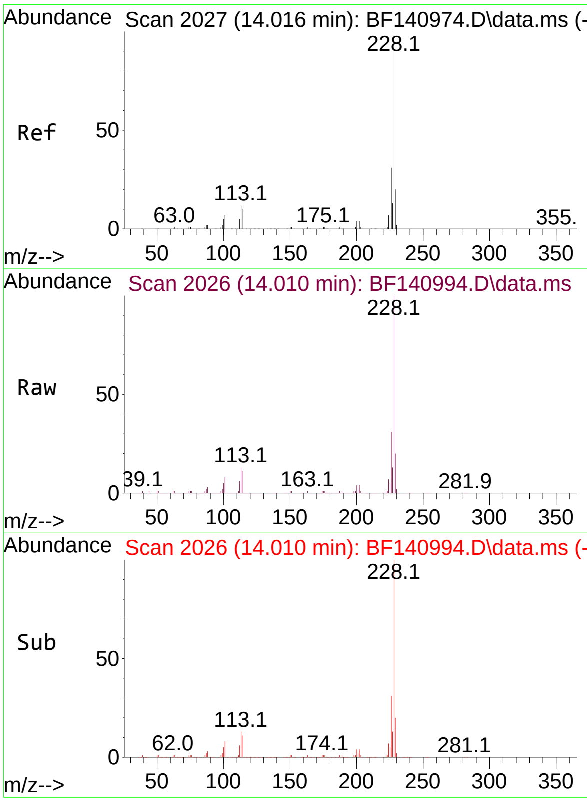
Ion	Ratio	Lower	Upper
252	100		
254	65.6	51.5	77.3
126	12.4	10.3	15.5



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations APPROVED

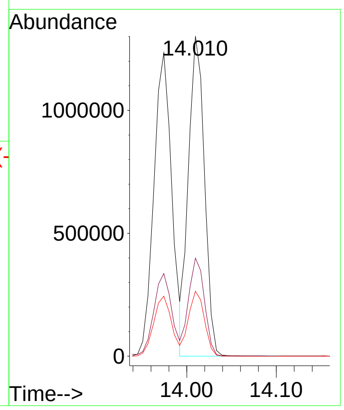
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

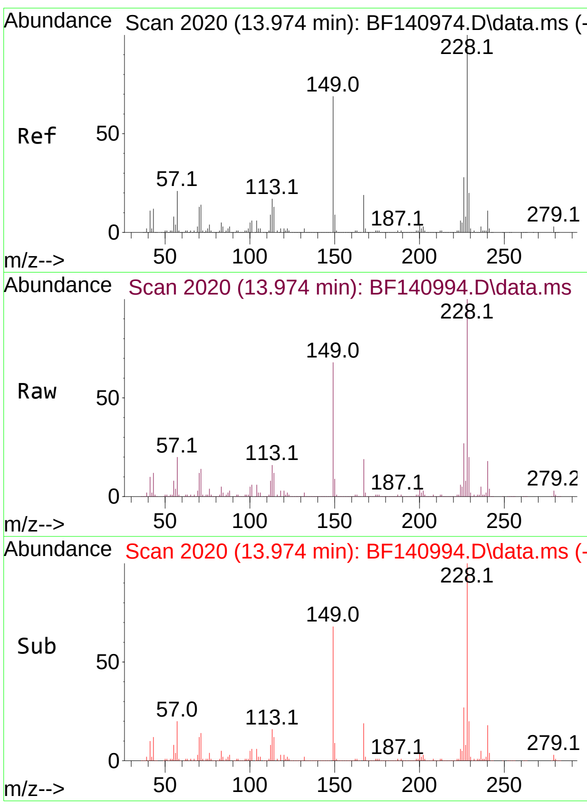


#83
Chrysene
Concen: 39.340 ng
RT: 14.010 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:228 Resp: 161688

Ion	Ratio	Lower	Upper
228	100		
226	30.7	24.5	36.7
229	20.3	16.2	24.4

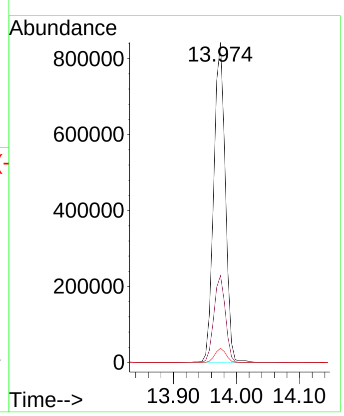




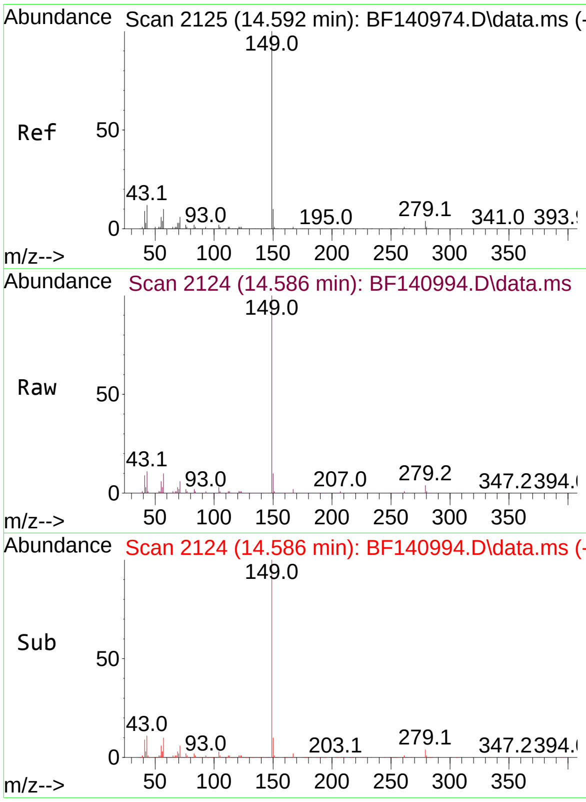
#84
Bis(2-ethylhexyl)phthalate
Concen: 39.580 ng
RT: 13.974 min Scan# 2020
Delta R.T. 0.000 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:149 Resp: 1072600

Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.6	32.4
279	4.4	3.2	4.8



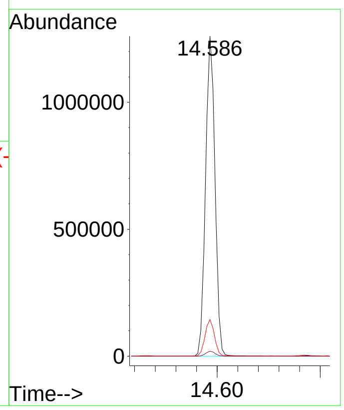
Sample Results: **BF140994.D**



#85
Di-n-octyl phthalate
Concen: 40.727 ng
RT: 14.586 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:149 Resp: 159742

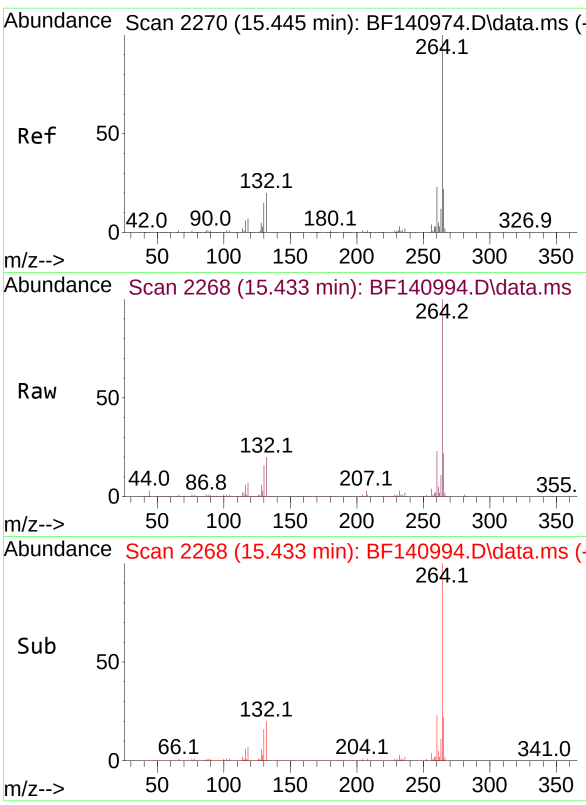
Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	11.4	9.3	13.9



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

Manual Integrations
APPROVED

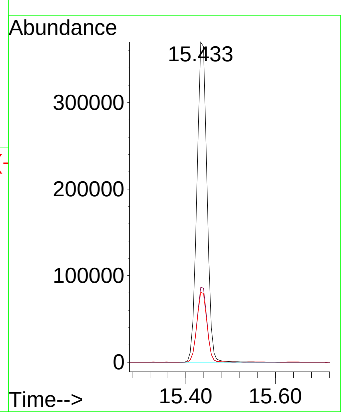
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 2268
Delta R.T. -0.012 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:264 Resp: 576625

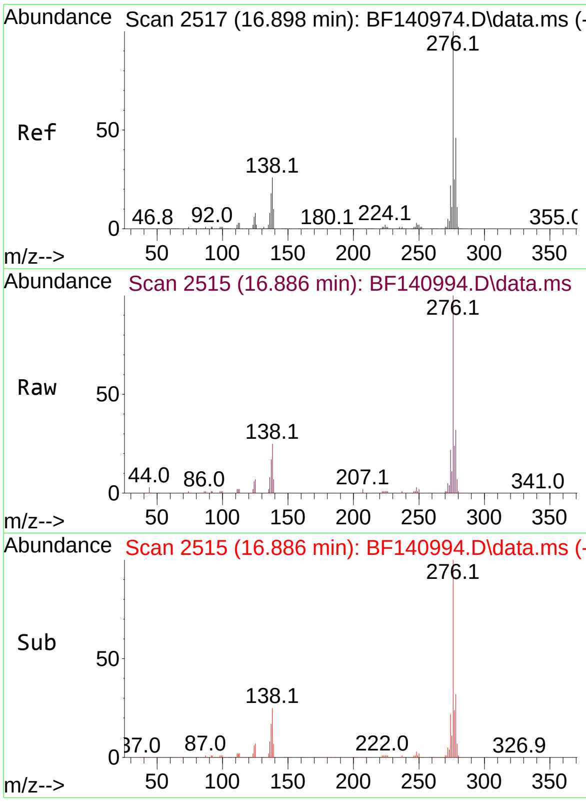
Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.7	28.1
265	21.9	17.4	26.2



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

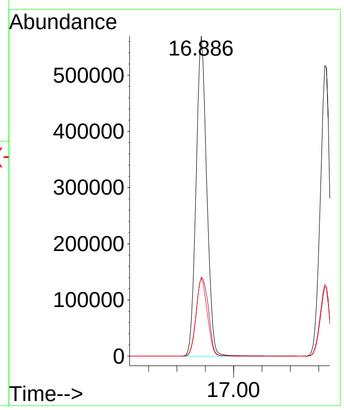
Manual Integrations APPROVED

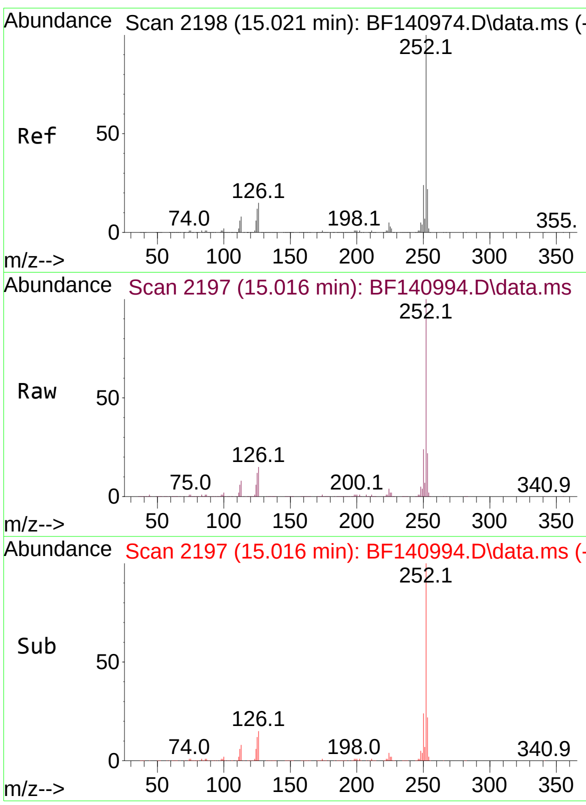
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024




```
#87
Indeno(1,2,3-cd)pyrene
Concen:   40.992 ng
RT:  16.886 min  Scan# 2
Delta R.T.  -0.012 min
Lab File:   BF140994.D
Acq: 27 Dec 2024  13:59

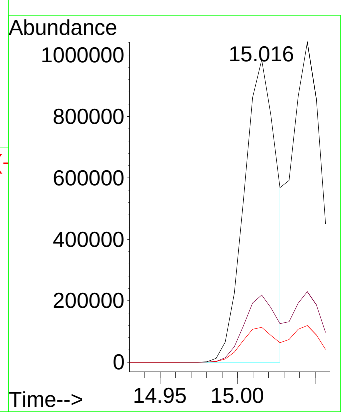
Tgt Ion:276 Resp: 148916
Ion  Ratio  Lower  Upper
276  100
138   28.2   23.1   34.7
277   25.3   20.4   30.6
```






```
#88
Benzo(b)fluoranthene
Concen:   35.555 ng
RT:  15.016 min  Scan# 2197
Delta R.T.  -0.006 min
Lab File:   BF140994.D
Acq: 27 Dec 2024  13:59

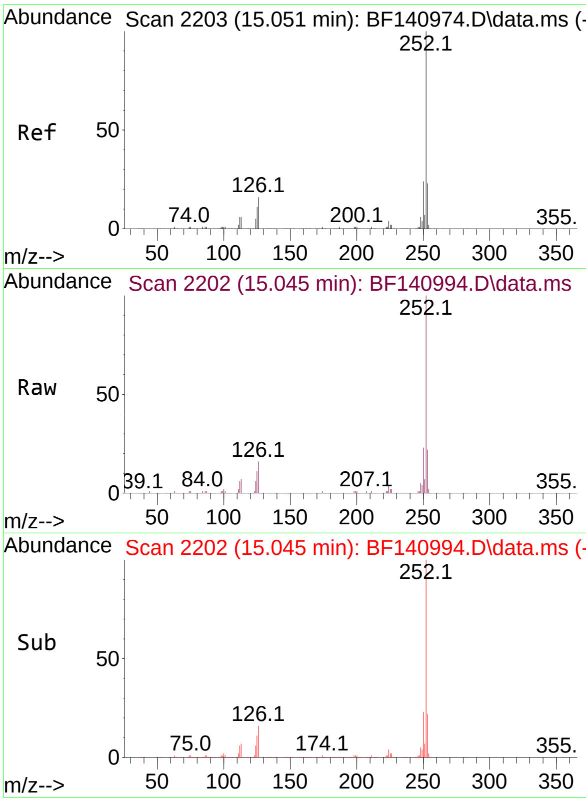
Tgt Ion:252 Resp: 1429886
Ion  Ratio  Lower  Upper
252  100
253   22.2   17.7   26.5
125   11.5    9.3   13.9
```



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

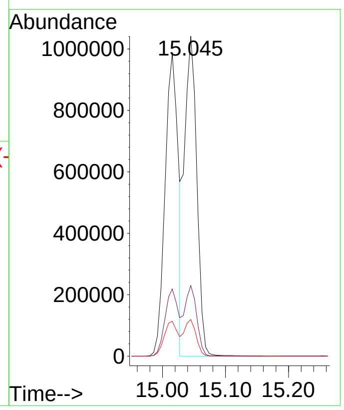
Manual Integrations
APPROVED

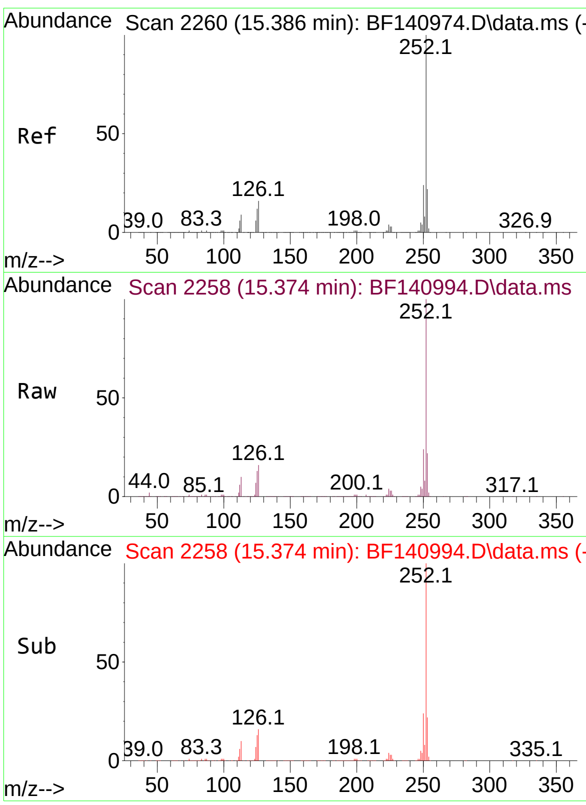
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024




```
#89
Benzo(k)fluoranthene
Concen:   44.855 ng
RT:  15.045 min  Scan# 2
Delta R.T.  -0.006 min
Lab File:   BF140994.D
Acq: 27 Dec 2024  13:59

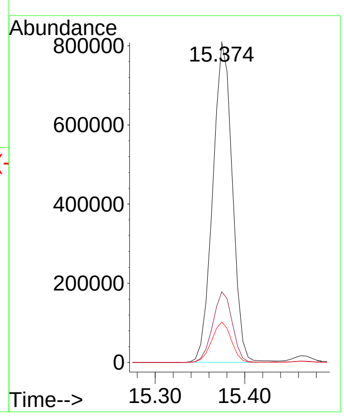
Tgt Ion:252 Resp: 141384
Ion  Ratio  Lower  Upper
252  100
253   22.1   17.8   26.8
125   11.5    9.4   14.0
```

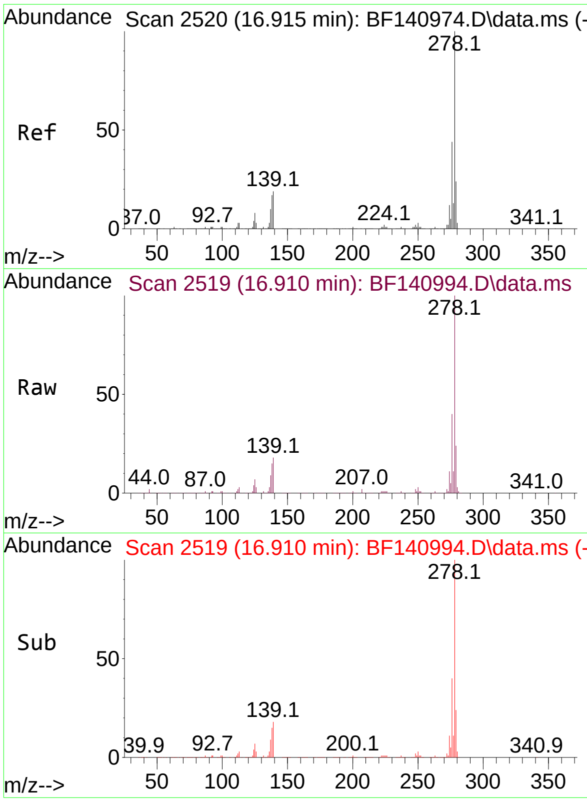





```
#90
Benzo(a)pyrene
Concen:   39.424 ng
RT:  15.374 min  Scan# 2258
Delta R.T.  -0.012 min
Lab File:   BF140994.D
Acq: 27 Dec 2024  13:59

Tgt Ion:252 Resp: 1230603
Ion  Ratio  Lower  Upper
252  100
253   22.1   17.2   25.8
125   12.6    9.8   14.8
```

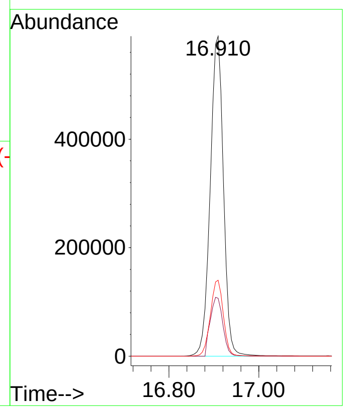




#91
Dibenzo(a,h)anthracene
Concen: 40.991 ng
RT: 16.910 min Scan# 2519
Delta R.T. -0.006 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

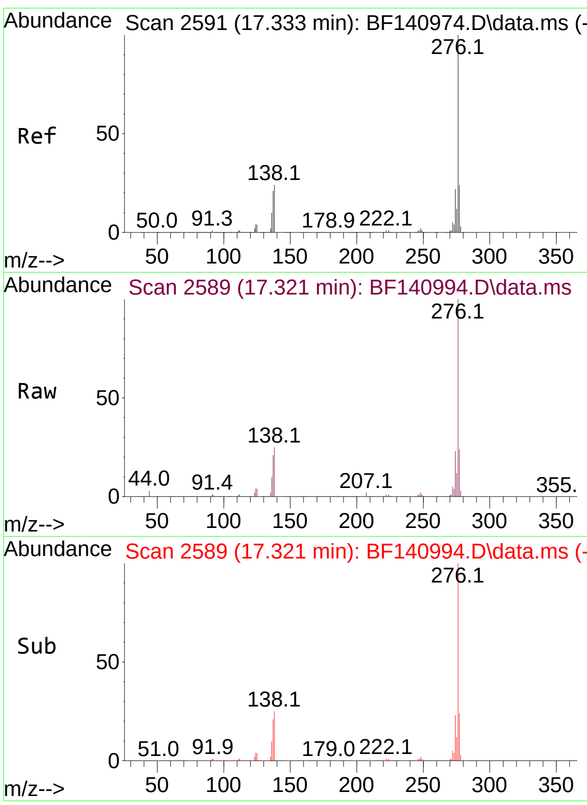
Tgt Ion:278 Resp: 1207121

Ion	Ratio	Lower	Upper
278	100		
139	18.1	14.9	22.3
279	23.8	19.0	28.6



Instrument :
BNA_F
ClientSampleId :
SSTDCCC040

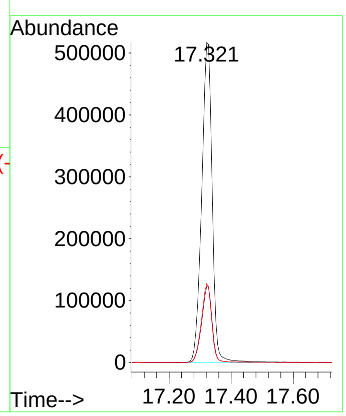
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#92
Benzo(g,h,i)perylene
Concen: 39.931 ng
RT: 17.321 min Scan# 2589
Delta R.T. -0.012 min
Lab File: BF140994.D
Acq: 27 Dec 2024 13:59

Tgt Ion:276 Resp: 1219629

Ion	Ratio	Lower	Upper
276	100		
277	23.8	19.0	28.4
138	24.7	19.4	29.2



Sample Results: **BF140994.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140994.D
Acq On : 27 Dec 2024 13:59
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Dec 27 14:47:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	109	0.00
2		1,4-Dioxane	0.601	0.590	1.8	108	0.00
3		Pyridine	1.468	1.478	-0.7	112	0.00
4		n-Nitrosodimethylamine	0.744	0.735	1.2	108	0.00
5	S	2-Fluorophenol	1.327	1.268	4.4	107	0.00
6		Aniline	1.524	1.547	-1.5	104	-0.02
7	S	Phenol-d6	1.709	1.624	5.0	106	0.00
8		2-Chlorophenol	1.399	1.354	3.2	107	0.00
9		Benzaldehyde	0.941	0.913	3.0	116	0.00
10	C	Phenol	1.767	1.701	3.7	106	0.00
11		bis(2-Chloroethyl)ether	1.427	1.317	7.7	105	0.00
12		1,3-Dichlorobenzene	1.544	1.504	2.6	108	0.00
13	C	1,4-Dichlorobenzene	1.556	1.505	3.3	108	0.00
14		1,2-Dichlorobenzene	1.451	1.390	4.2	107	0.00
15		Benzyl Alcohol	1.228	1.166	5.0	104	0.00
16		2,2'-oxybis(1-Chloropropane	2.158	2.044	5.3	106	0.00
17		2-Methylphenol	1.162	1.114	4.1	106	0.00
18		Hexachloroethane	0.553	0.541	2.2	109	0.00
19	P	n-Nitroso-di-n-propylamine	1.047	0.967	7.6	105	0.00
20		3+4-Methylphenols	1.471	1.414	3.9	106	0.00
21	I	Naphthalene-d8	1.000	1.000	0.0	106	0.00
22		Acetophenone	0.491	0.466	5.1	106	0.00
23	S	Nitrobenzene-d5	0.313	0.359	-14.7	117	0.00
24		Nitrobenzene	0.349	0.391	-12.0	113	0.00
25		Isophorone	0.680	0.647	4.9	105	0.00
26	C	2-Nitrophenol	0.118	0.160	-35.6#	134	0.00
27		2,4-Dimethylphenol	0.249	0.244	2.0	107	0.00
28		bis(2-Chloroethoxy)methane	0.431	0.409	5.1	105	0.00
29	C	2,4-Dichlorophenol	0.282	0.279	1.1	107	0.00
30		1,2,4-Trichlorobenzene	0.319	0.313	1.9	106	0.00
31		Naphthalene	1.054	1.013	3.9	106	0.00
32		Benzoic acid	0.178	0.215	-20.8	129	0.00
33		4-Chloroaniline	0.381	0.362	5.0	105	0.00
34	C	Hexachlorobutadiene	0.188	0.183	2.7	107	0.00
35		Caprolactam	0.096	0.094	2.1	106	0.00
36	C	4-Chloro-3-methylphenol	0.313	0.303	3.2	104	0.00
37		2-Methylnaphthalene	0.674	0.646	4.2	107	0.00
38		1-Methylnaphthalene	0.663	0.625	5.7	105	0.00
39	I	Acenaphthene-d10	1.000	1.000	0.0	105	0.00
40		1,2,4,5-Tetrachlorobenzene	0.550	0.540	1.8	106	0.00
41	P	Hexachlorocyclopentadiene	0.182	0.186	-2.2	105	0.00
42	S	2,4,6-Tribromophenol	0.194	0.205	-5.7	110	0.00
43	C	2,4,6-Trichlorophenol	0.366	0.367	-0.3	106	0.00
44		2,4,5-Trichlorophenol	0.375	0.386	-2.9	107	0.00
45	S	2-Fluorobiphenyl	1.255	1.178	6.1	106	0.00
46		1,1'-Biphenyl	1.531	1.482	3.2	106	0.00
47		2-Chloronaphthalene	1.188	1.140	4.0	105	0.00

Sample Results: **BF140994.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140994.D
Acq On : 27 Dec 2024 13:59
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Dec 27 14:47:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
48		2-Nitroaniline	0.259	0.349	-34.7#	128	0.00
49		Acenaphthylene	1.710	1.661	2.9	106	0.00
50		Dimethylphthalate	1.316	1.281	2.7	105	0.00
51		2,6-Dinitrotoluene	0.231	0.296	-28.1#	122	0.00
52	C	Acenaphthene	1.156	1.122	2.9	106	0.00
53		3-Nitroaniline	0.255	0.320	-25.5#	120	0.00
54	P	2,4-Dinitrophenol	0.075	0.099	-32.0#	146	0.00
55		Dibenzofuran	1.624	1.563	3.8	105	0.00
56	P	4-Nitrophenol	0.225	0.246	-9.3	113	0.00
57		2,4-Dinitrotoluene	0.273	0.378	-38.5#	129	0.00
58		Fluorene	1.260	1.191	5.5	105	0.00
59		2,3,4,6-Tetrachlorophenol	0.310	0.315	-1.6	106	0.00
60		Diethylphthalate	1.299	1.261	2.9	105	0.00
61		4-Chlorophenyl-phenylether	0.606	0.572	5.6	104	0.00
62		4-Nitroaniline	0.255	0.316	-23.9	120	0.00
63		Azobenzene	1.363	1.309	4.0	105	0.00
64	I	Phenanthrene-d10	1.000	1.000	0.0	102	0.00
65		4,6-Dinitro-2-methylphenol	0.067	0.093	-38.8#	143	0.00
66	c	n-Nitrosodiphenylamine	0.630	0.617	2.1	104	0.00
67		4-Bromophenyl-phenylether	0.216	0.220	-1.9	105	0.00
68		Hexachlorobenzene	0.238	0.235	1.3	104	0.00
69		Atrazine	0.176	0.158	10.2	103	0.00
70	C	Pentachlorophenol	0.148	0.161	-8.8	106	0.00
71		Phenanthrene	1.053	1.034	1.8	105	0.00
72		Anthracene	1.031	1.003	2.7	103	0.00
73		Carbazole	0.992	0.965	2.7	104	0.00
74		Di-n-butylphthalate	1.128	1.104	2.1	104	0.00
75	C	Fluoranthene	1.142	1.081	5.3	101	0.00
76	I	Chrysene-d12	1.000	1.000	0.0	100	0.00
77		Benzidine	0.423	0.532	-25.8#	129	0.00
78		Pyrene	1.749	1.690	3.4	100	0.00
79	S	Terphenyl-d14	1.204	1.166	3.2	102	0.00
80		Butylbenzylphthalate	0.639	0.645	-0.9	99	0.00
81		Benzo(a)anthracene	1.394	1.316	5.6	96	0.00
82		3,3'-Dichlorobenzidine	0.419	0.406	3.1	101	0.00
83		Chrysene	1.257	1.236	1.7	103	0.00
84		Bis(2-ethylhexyl)phthalate	0.828	0.820	1.0	100	0.00
85	c	Di-n-octyl phthalate	1.199	1.221	-1.8	102	0.00
86	I	Perylene-d12	1.000	1.000	0.0	108	-0.01
87		Indeno(1,2,3-cd)pyrene	1.260	1.291	-2.5	107	-0.01
88		Benzo(b)fluoranthene	1.395	1.240	11.1	95	0.00
89		Benzo(k)fluoranthene	1.093	1.226	-12.2	125	0.00
90	C	Benzo(a)pyrene	1.083	1.067	1.5	108	-0.01
91		Dibenzo(a,h)anthracene	1.021	1.047	-2.5	106	0.00
92		Benzo(g,h,i)perylene	1.059	1.058	0.1	102	-0.01

Sample Results: **BF140994.D**

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

```
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140994.D
Acq On    : 27 Dec 2024  13:59
Operator  : RC/JU
Sample    : SSTDCCC040
Misc      :
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: Dec 27 14:47:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration


Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  25%     Max. Rel. Area : 150%

       Compound                      AvgRF   CCRF      %Dev Area% Dev(min)
-------------------------------------------------------------------------

  (#) = Out of Range               SPCC's out = 0  CCC's out = 1
```

Sample Results: **BF140994.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140994.D
Acq On : 27 Dec 2024 13:59
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Dec 27 14:47:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	1,4-Dichlorobenzene-d4	20.000	20.000	0.0	109	0.00
2		1,4-Dioxane	40.000	39.280	1.8	108	0.00
3		Pyridine	40.000	40.285	-0.7	112	0.00
4		n-Nitrosodimethylamine	40.000	39.553	1.1	108	0.00
5	S	2-Fluorophenol	80.000	76.459	4.4	107	0.00
6		Aniline	40.000	40.582	-1.5	104	-0.02
7	S	Phenol-d6	80.000	76.023	5.0	106	0.00
8		2-Chlorophenol	40.000	38.720	3.2	107	0.00
9		Benzaldehyde	40.000	44.682	-11.7	116	0.00
10	C	Phenol	40.000	38.488	3.8	106	0.00
11		bis(2-Chloroethyl)ether	40.000	36.923	7.7	105	0.00
12		1,3-Dichlorobenzene	40.000	38.974	2.6	108	0.00
13	C	1,4-Dichlorobenzene	40.000	38.694	3.3	108	0.00
14		1,2-Dichlorobenzene	40.000	38.312	4.2	107	0.00
15		Benzyl Alcohol	40.000	37.984	5.0	104	0.00
16		2,2'-oxybis(1-Chloropropane	40.000	37.887	5.3	106	0.00
17		2-Methylphenol	40.000	38.327	4.2	106	0.00
18		Hexachloroethane	40.000	39.154	2.1	109	0.00
19	P	n-Nitroso-di-n-propylamine	40.000	36.927	7.7	105	0.00
20		3+4-Methylphenols	40.000	38.461	3.8	106	0.00
21	I	Naphthalene-d8	20.000	20.000	0.0	106	0.00
22		Acetophenone	40.000	38.002	5.0	106	0.00
23	S	Nitrobenzene-d5	80.000	91.990	-15.0	117	0.00
24		Nitrobenzene	40.000	44.733	-11.8	113	0.00
25		Isophorone	40.000	38.034	4.9	105	0.00
26	C	2-Nitrophenol	40.000	45.034	-12.6	134	0.00
27		2,4-Dimethylphenol	40.000	39.199	2.0	107	0.00
28		bis(2-Chloroethoxy)methane	40.000	37.937	5.2	105	0.00
29	C	2,4-Dichlorophenol	40.000	39.596	1.0	107	0.00
30		1,2,4-Trichlorobenzene	40.000	39.171	2.1	106	0.00
31		Naphthalene	40.000	38.456	3.9	106	0.00
32		Benzoic acid	40.000	43.059	-7.6	129	0.00
33		4-Chloroaniline	40.000	37.952	5.1	105	0.00
34	C	Hexachlorobutadiene	40.000	38.912	2.7	107	0.00
35		Caprolactam	40.000	39.233	1.9	106	0.00
36	C	4-Chloro-3-methylphenol	40.000	38.663	3.3	104	0.00
37		2-Methylnaphthalene	40.000	38.321	4.2	107	0.00
38		1-Methylnaphthalene	40.000	37.754	5.6	105	0.00
39	I	Acenaphthene-d10	20.000	20.000	0.0	105	0.00
40		1,2,4,5-Tetrachlorobenzene	40.000	39.245	1.9	106	0.00
41	P	Hexachlorocyclopentadiene	40.000	40.751	-1.9	105	0.00
42	S	2,4,6-Tribromophenol	80.000	84.432	-5.5	110	0.00
43	C	2,4,6-Trichlorophenol	40.000	40.100	-0.3	106	0.00
44		2,4,5-Trichlorophenol	40.000	41.204	-3.0	107	0.00
45	S	2-Fluorobiphenyl	80.000	75.089	6.1	106	0.00
46		1,1'-Biphenyl	40.000	38.706	3.2	106	0.00
47		2-Chloronaphthalene	40.000	38.378	4.1	105	0.00

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140994.D
Acq On : 27 Dec 2024 13:59
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Dec 27 14:47:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
48	2-Nitroaniline	40.000	45.257	-13.1	128	0.00
49	Acenaphthylene	40.000	38.857	2.9	106	0.00
50	Dimethylphthalate	40.000	38.961	2.6	105	0.00
51	2,6-Dinitrotoluene	40.000	44.477	-11.2	122	0.00
52 C	Acenaphthene	40.000	38.833	2.9	106	0.00
53	3-Nitroaniline	40.000	44.203	-10.5	120	0.00
54 P	2,4-Dinitrophenol	40.000	47.390	-18.5	146	0.00
55	Dibenzofuran	40.000	38.499	3.8	105	0.00
56 P	4-Nitrophenol	40.000	43.761	-9.4	113	0.00
57	2,4-Dinitrotoluene	40.000	46.211	-15.5	129	0.00
58	Fluorene	40.000	37.810	5.5	105	0.00
59	2,3,4,6-Tetrachlorophenol	40.000	40.652	-1.6	106	0.00
60	Diethylphthalate	40.000	38.843	2.9	105	0.00
61	4-Chlorophenyl-phenylether	40.000	37.721	5.7	104	0.00
62	4-Nitroaniline	40.000	43.704	-9.3	120	0.00
63	Azobenzene	40.000	38.398	4.0	105	0.00
64 I	Phenanthrene-d10	20.000	20.000	0.0	102	0.00
65	4,6-Dinitro-2-methylphenol	40.000	46.917	-17.3	143	0.00
66 c	n-Nitrosodiphenylamine	40.000	39.161	2.1	104	0.00
67	4-Bromophenyl-phenylether	40.000	40.629	-1.6	105	0.00
68	Hexachlorobenzene	40.000	39.462	1.3	104	0.00
69	Atrazine	40.000	35.956	10.1	103	0.00
70 C	Pentachlorophenol	40.000	43.264	-8.2	106	0.00
71	Phenanthrene	40.000	39.276	1.8	105	0.00
72	Anthracene	40.000	38.909	2.7	103	0.00
73	Carbazole	40.000	38.935	2.7	104	0.00
74	Di-n-butylphthalate	40.000	39.149	2.1	104	0.00
75 C	Fluoranthene	40.000	37.866	5.3	101	0.00
76 I	Chrysene-d12	20.000	20.000	0.0	100	0.00
77	Benzidine	40.000	50.365	-25.9#	129	0.00
78	Pyrene	40.000	38.653	3.4	100	0.00
79 S	Terphenyl-d14	80.000	77.455	3.2	102	0.00
80	Butylbenzylphthalate	40.000	40.421	-1.1	99	0.00
81	Benzo(a)anthracene	40.000	37.774	5.6	96	0.00
82	3,3'-Dichlorobenzidine	40.000	38.791	3.0	101	0.00
83	Chrysene	40.000	39.340	1.6	103	0.00
84	Bis(2-ethylhexyl)phthalate	40.000	39.580	1.1	100	0.00
85 c	Di-n-octyl phthalate	40.000	40.727	-1.8	102	0.00
86 I	Perylene-d12	20.000	20.000	0.0	108	-0.01
87	Indeno(1,2,3-cd)pyrene	40.000	40.992	-2.5	107	-0.01
88	Benzo(b)fluoranthene	40.000	35.555	11.1	95	0.00
89	Benzo(k)fluoranthene	40.000	44.855	-12.1	125	0.00
90 C	Benzo(a)pyrene	40.000	39.424	1.4	108	-0.01
91	Dibenzo(a,h)anthracene	40.000	40.991	-2.5	106	0.00
92	Benzo(g,h,i)perylene	40.000	39.931	0.2	102	-0.01

Sample Results: **BF140994.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140994.D
Acq On : 27 Dec 2024 13:59
Operator : RC/JU
Sample : SSTDCCC040
Misc :
ALS Vial : 2 Sample Multiplier: 1

Instrument :
BNA_F
LabSampleId :
SSTDCCC040

Quant Time: Dec 27 14:47:17 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

Compound	Amount	Calc.	%Dev	Area%	Dev(min)

(#) = Out of Range SPCC's out = 0 CCC's out = 0

QC SAMPLE DATA

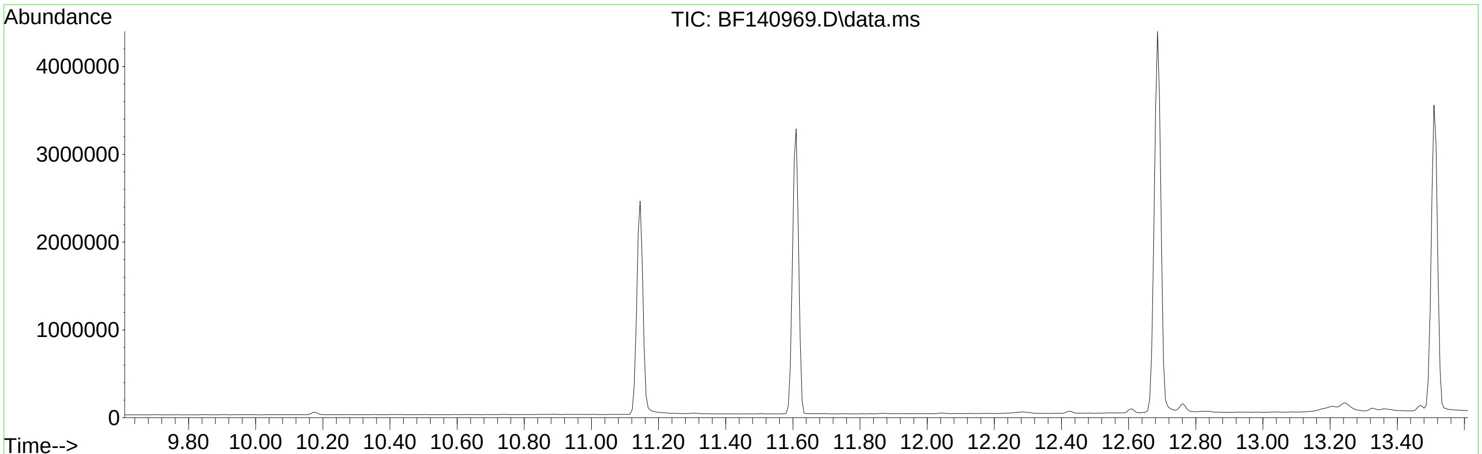
Sample Results: **BF140969.D**

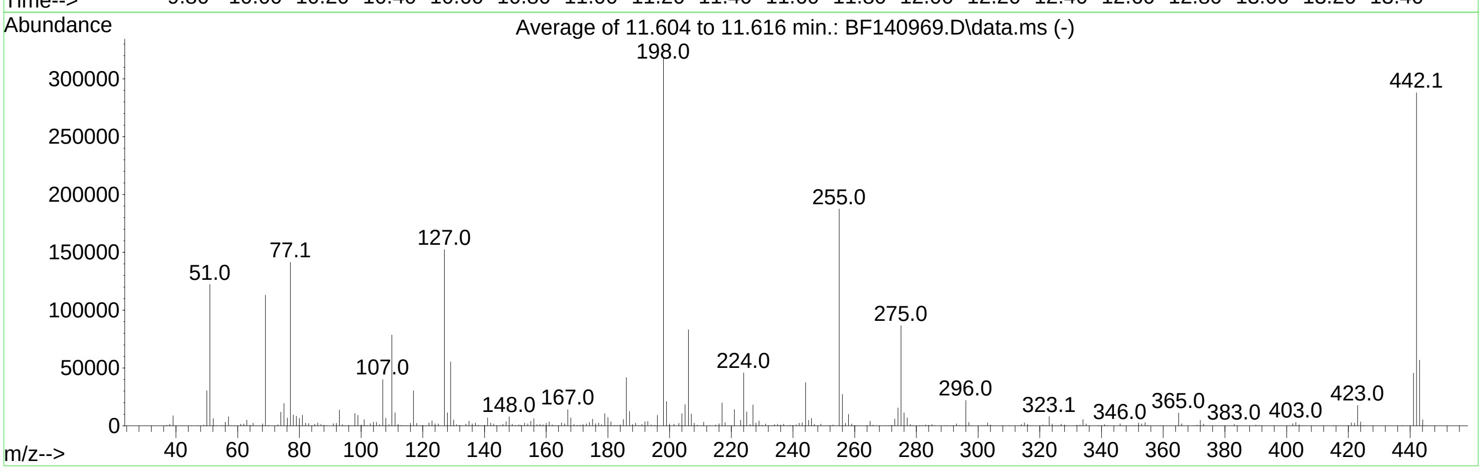
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140969.D
Acq On : 26 Dec 2024 15:57
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

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





AutoFind: Scans 1617, 1618, 1619; Background Corrected with Scan 1610

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	38.4	122253	PASS
68	69	0.00	2	1.7	1874	PASS
69	198	0.00	100	35.5	113056	PASS
70	69	0.00	2	0.4	479	PASS
127	198	10	80	47.8	152328	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	318400	PASS
199	198	5	9	6.6	21108	PASS
275	198	10	60	27.2	86501	PASS
365	198	1	100	3.5	11162	PASS
441	198	0.01	100	14.3	45621	PASS
442	442	50	100	100.0	288064	PASS
443	442	15	24	19.7	56736	PASS

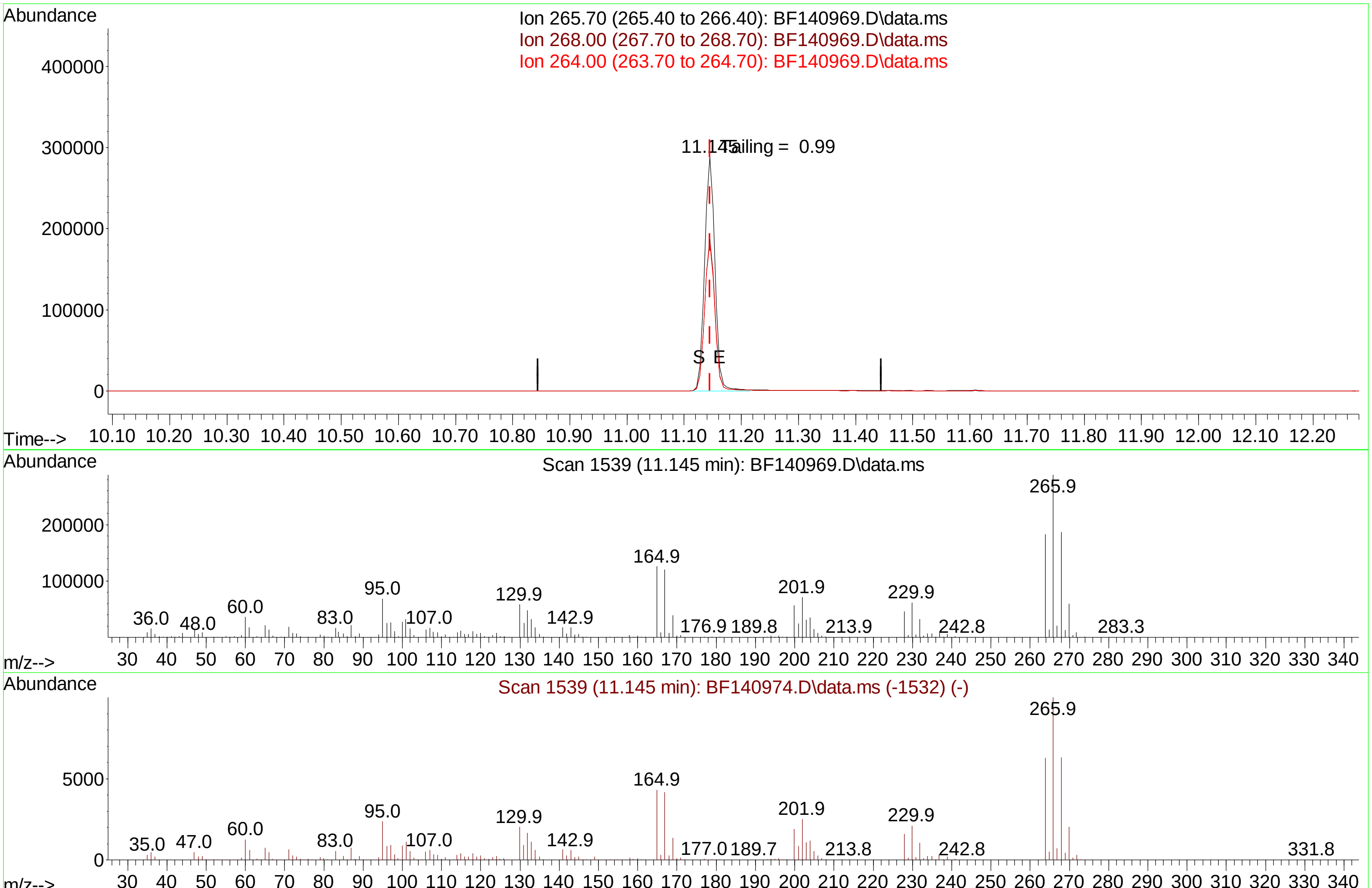
Quantitation Report (Qedit)

Sample Results: **BF140969.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140969.D
Acq On : 26 Dec 2024 15:57
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Dec 27 00:41:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration



TIC: BF140969.D\data.ms

(70) Pentachlorophenol (C)

11.145min (+ 0.000) 171712.33 ng

response 370836

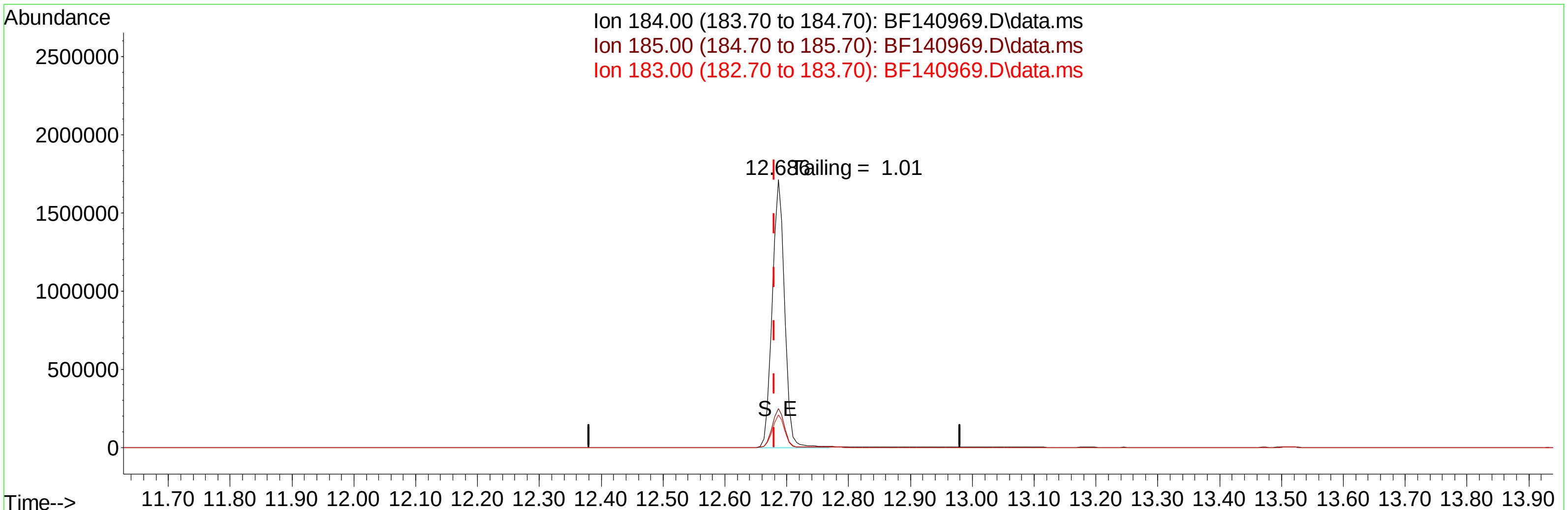
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.10	64.90
264.00	62.80	63.32
0.00	0.00	0.00

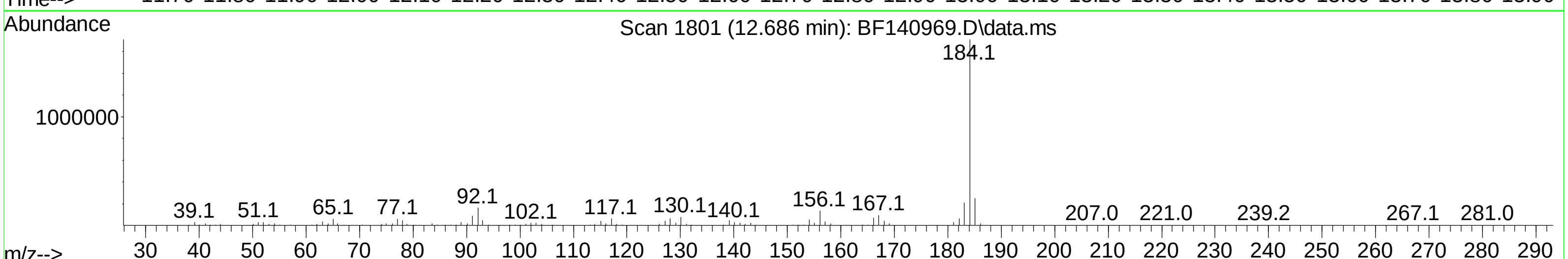
Sample Results: **BF140969.D**

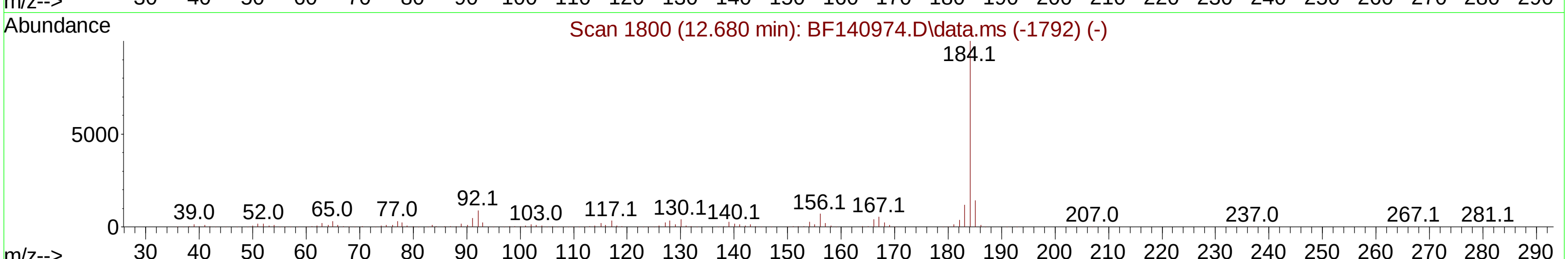
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122624\
Data File : BF140969.D
Acq On : 26 Dec 2024 15:57
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Dec 27 00:41:44 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration







TIC: BF140969.D\data.ms

(77) Benzidine

12.686min (+ 0.006) 253030.63 ng

response 2406398

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.30	14.44
183.00	11.70	12.18
0.00	0.00	0.00

DDT Breakdown

Date	Instrument Name	DFTPP Data File
12/26/2024	BNA_F	BF140969.D
Compound Name	**Response**	**Retention Time**
DDT	737647	13.51
DDD	7676	13.239
DDE	0	12.898
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
7676	745323	1.03

Instrument :
BNA_F
ClientSampleId :
DFTPP

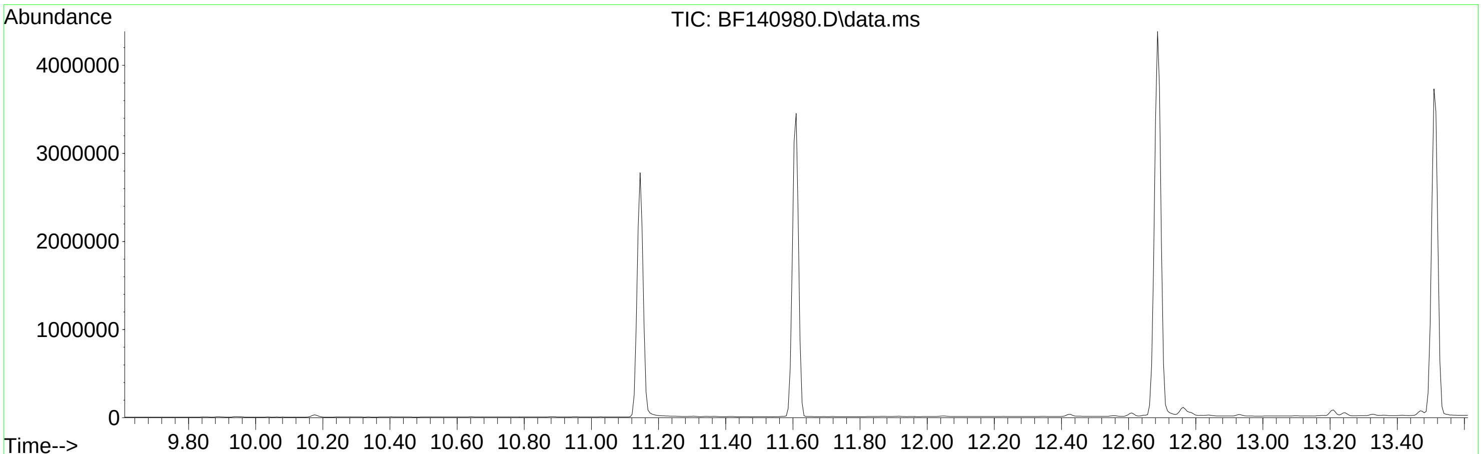
Sample Results: **BF140980.D**

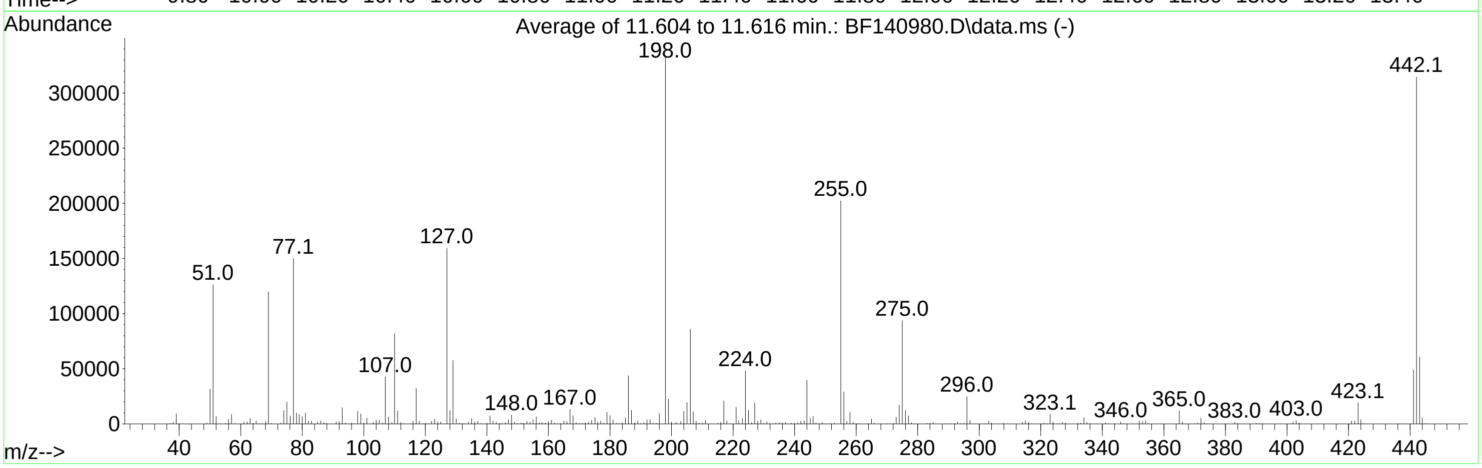
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140980.D
Acq On : 27 Dec 2024 07:54
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

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





AutoFind: Scans 1617, 1618, 1619; Background Corrected with Scan 1610

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	37.9	126454	PASS
68	69	0.00	2	1.9	2252	PASS
69	198	0.00	100	35.9	119774	PASS
70	69	0.00	2	0.5	554	PASS
127	198	10	80	47.8	159248	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	333248	PASS
199	198	5	9	6.7	22432	PASS
275	198	10	60	28.1	93632	PASS
365	198	1	100	3.5	11781	PASS
441	198	0.01	100	14.8	49179	PASS
442	442	50	100	100.0	314603	PASS
443	442	15	24	19.3	60859	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
12/27/2024	BNA_F	BF140980.D
Compound Name	**Response**	**Retention Time**
DDT	889651	13.51
DDD	23327	13.21
DDE	233	12.874
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
23560	913211	2.58

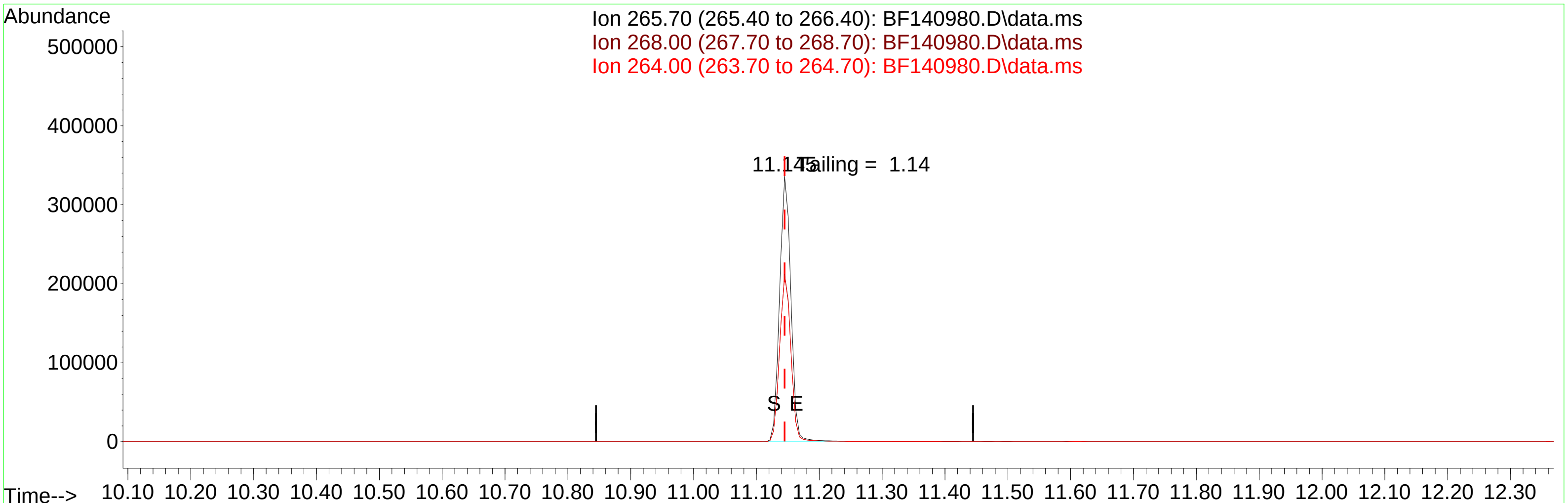
Quantitation Report (Qedit)

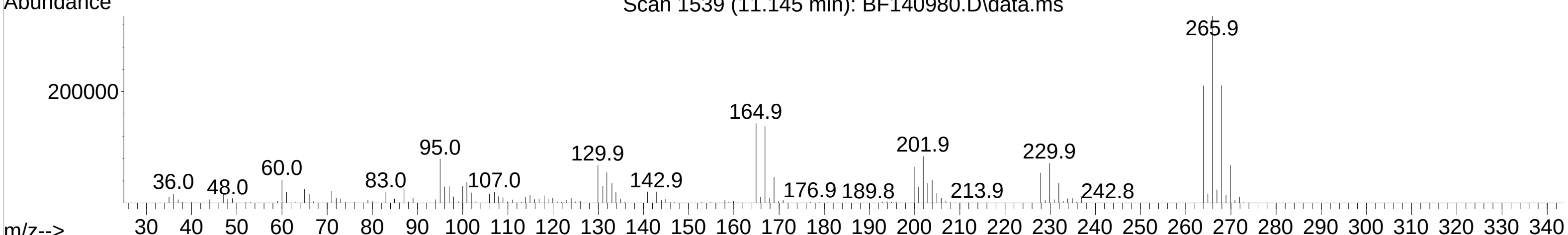
Sample Results: **BF140980.D**

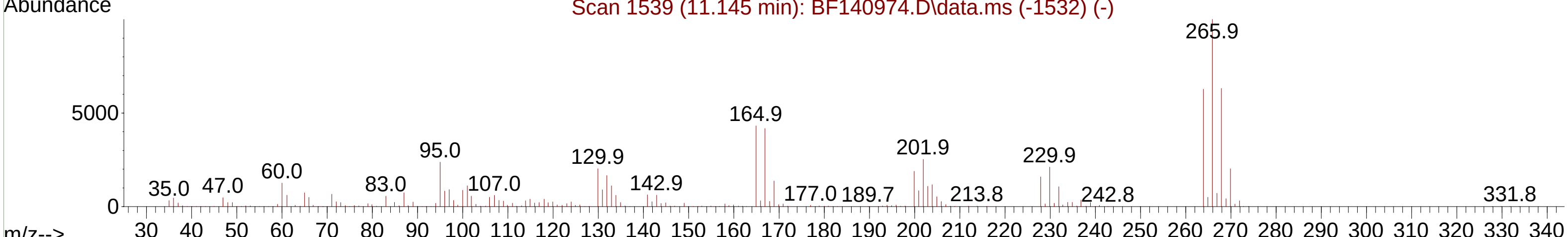
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140980.D
Acq On : 27 Dec 2024 07:54
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Dec 27 10:40:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration







TIC: BF140980.D\data.ms

(70) Pentachlorophenol (C)

11.145min (-0.000) 34975.88 ng

response 426475

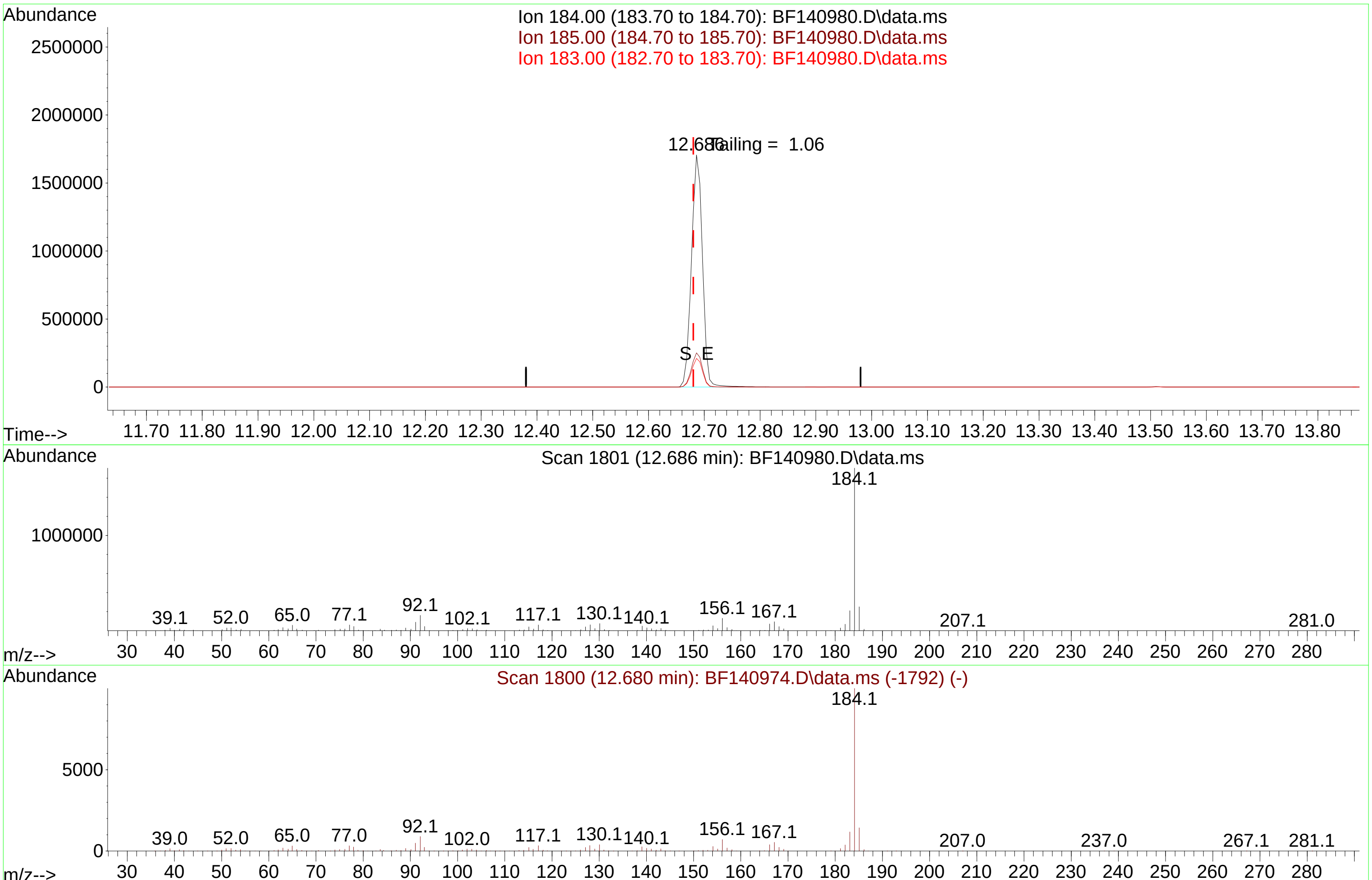
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.10	63.00
264.00	62.80	62.66
0.00	0.00	0.00

Sample Results: **BF140980.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140980.D
Acq On : 27 Dec 2024 07:54
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Dec 27 10:40:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration



TIC: BF140980.D\data.ms

(77) Benzidine

12.686min (+ 0.006) 38443.56 ng

response 2340716

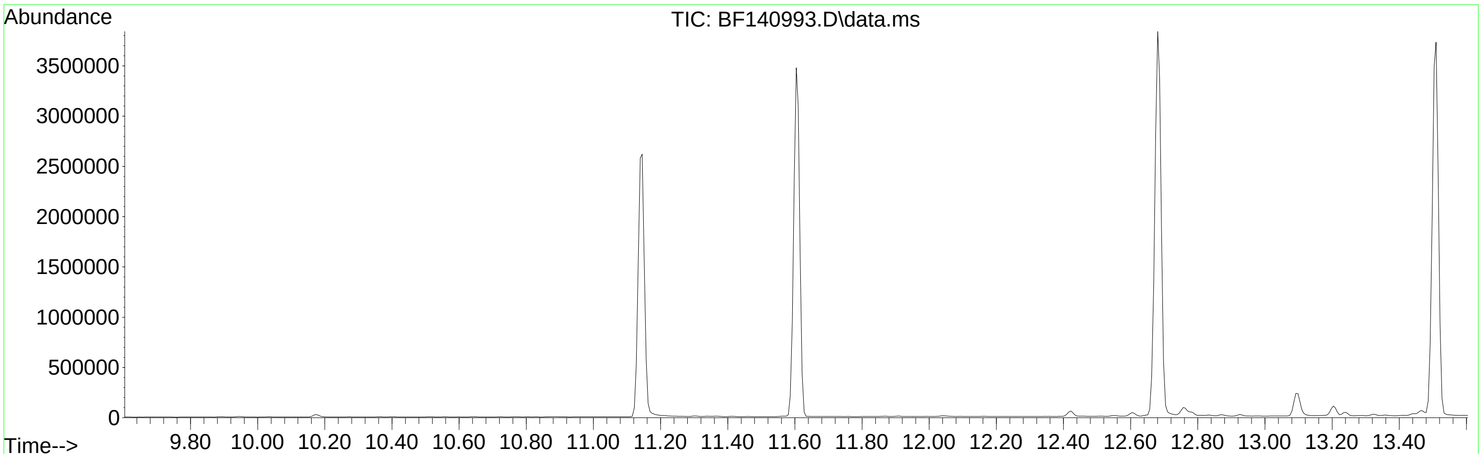
Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.30	14.75
183.00	11.70	12.36
0.00	0.00	0.00

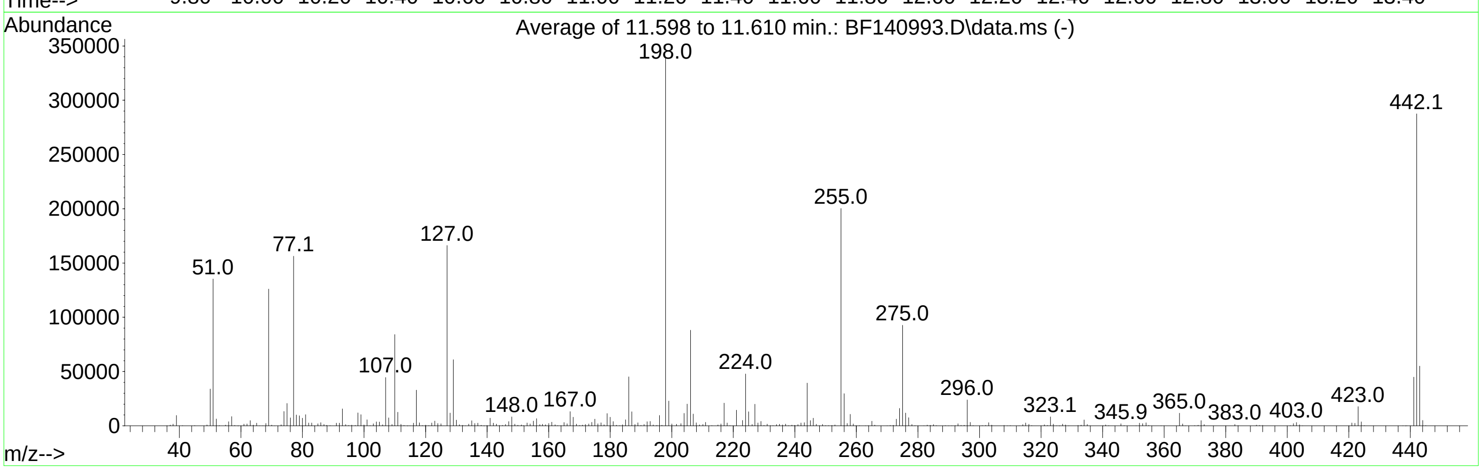
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140993.D
Acq On : 27 Dec 2024 13:33
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Integration File: rteint.p

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





AutoFind: Scans 1616, 1617, 1618; Background Corrected with Scan 1610

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	39.9	135298	PASS
68	69	0.00	2	1.8	2267	PASS
69	198	0.00	100	37.1	126038	PASS
70	69	0.00	2	0.6	718	PASS
127	198	10	80	49.0	166187	PASS
197	198	0.00	2	0.2	570	PASS
198	198	100	100	100.0	339328	PASS
199	198	5	9	6.7	22835	PASS
275	198	10	60	27.3	92720	PASS
365	198	1	100	3.5	11707	PASS
441	198	0.01	100	13.2	44816	PASS
442	442	50	100	100.0	287488	PASS
443	442	15	24	19.1	55021	PASS

DDT Breakdown

Date	Instrument Name	DFTPP Data File
12/27/2024	BNA_F	BF140993.D
Compound Name	**Response**	**Retention Time**
DDT	916292	13.51
DDD	30550	13.204
DDE	2523	12.869
SUM(DDD+DDE)	**SUM(DDT+DDD+DDE)**	**% Breakdown Of DDT**
33073	949365	3.48

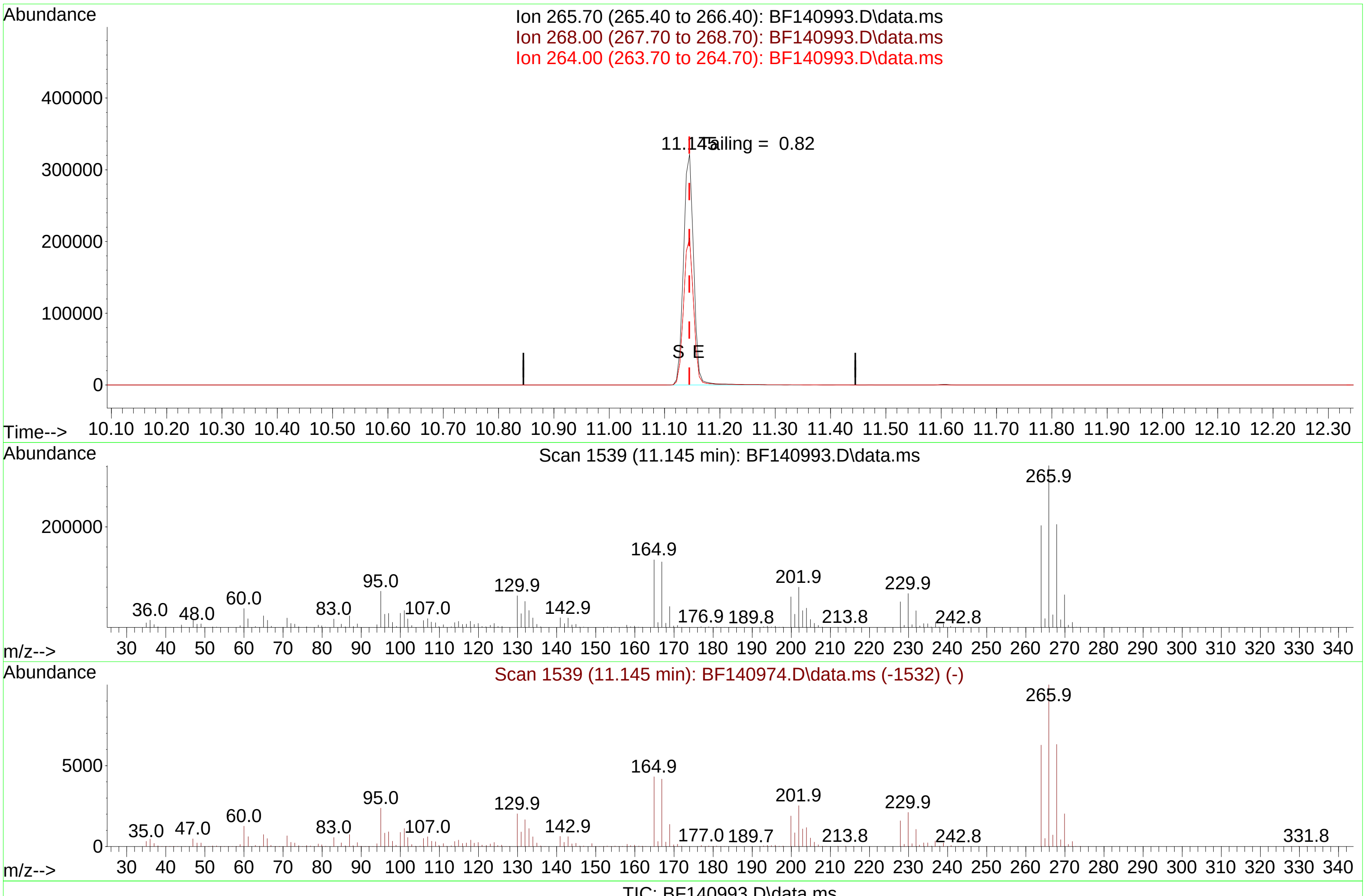
Instrument : BNA_F **ClientSampleId :** DFTPP

Sample Results: **BF140993.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140993.D
Acq On : 27 Dec 2024 13:33
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
DFTPP

Quant Time: Dec 27 14:11:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration



(70) Pentachlorophenol (C)

11.145min (+ 0.000) 33852.29 ng

response 415287

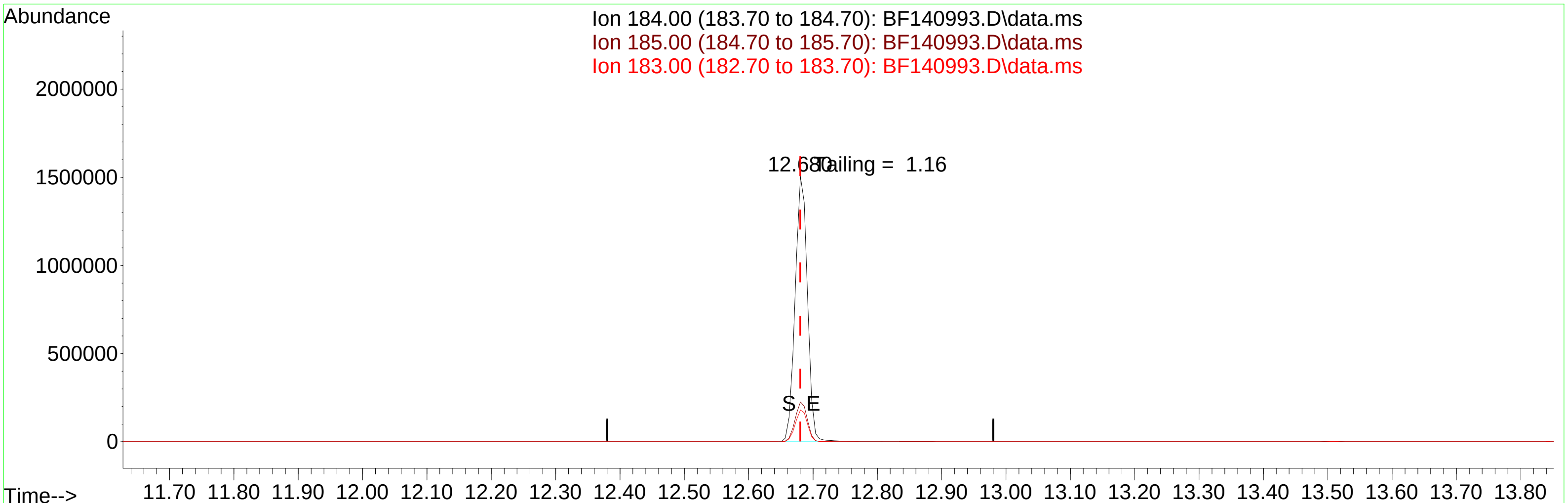
Ion	Exp%	Act%
265.70	100.00	100.00
268.00	63.10	63.69
264.00	62.80	63.03
0.00	0.00	0.00

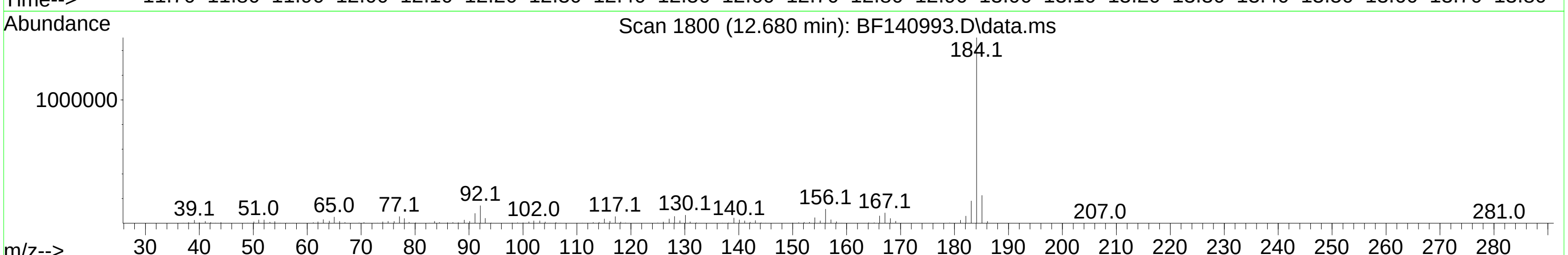
Sample Results: **BF140993.D**

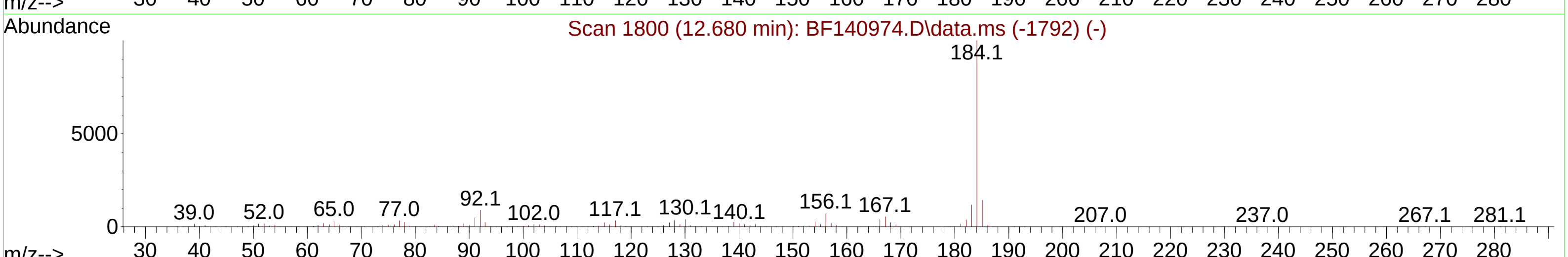
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140993.D
Acq On : 27 Dec 2024 13:33
Operator : RC/JU
Sample : DFTPP
Misc :
ALS Vial : 1 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : DFTPP

Quant Time: Dec 27 14:11:23 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration







TIC: BF140993.D\data.ms

(77) Benzidine

12.680min (+ 0.000) 37090.14 ng

response 2013745

Ion	Exp%	Act%
184.00	100.00	100.00
185.00	14.30	15.02
183.00	11.70	12.03
0.00	0.00	0.00

Raw Data: **BF140989.D**

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

Report of Analysis

Client:	PARSONS Main of New York, Inc.		Date Collected:	
Project:	Con Ed Non-MGP - East River SI 453648		Date Received:	
Client Sample ID:	PB165814BL		SDG No.:	P5362
Lab Sample ID:	PB165814BL		Matrix:	SOIL
Analytical Method:	SW8270		% Solid:	100
Sample Wt/Vol:	30.03 Units: g		Final Vol:	1000 uL
Soil Aliquot Vol:	uL		Test:	SVOC-TCL BNA -20
Extraction Type :		Decanted : N	Level :	LOW
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140989.D	1	12/23/24 09:35	12/27/24 11:48	PB165814

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	180	U	180	330	ug/Kg
108-95-2	Phenol	82.8	U	82.8	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	83.6	U	83.6	170	ug/Kg
95-57-8	2-Chlorophenol	83.4	U	83.4	170	ug/Kg
95-48-7	2-Methylphenol	80.5	U	80.5	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	90.8	U	90.8	170	ug/Kg
98-86-2	Acetophenone	86.8	U	86.8	170	ug/Kg
65794-96-9	3+4-Methylphenols	79.7	U	79.7	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	40.3	U	40.3	79.9	ug/Kg
67-72-1	Hexachloroethane	82.9	U	82.9	170	ug/Kg
98-95-3	Nitrobenzene	90.7	U	90.7	170	ug/Kg
78-59-1	Isophorone	84.5	U	84.5	170	ug/Kg
88-75-5	2-Nitrophenol	94.4	U	94.4	170	ug/Kg
105-67-9	2,4-Dimethylphenol	93.1	U	93.1	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	85.7	U	85.7	170	ug/Kg
120-83-2	2,4-Dichlorophenol	75.4	U	75.4	170	ug/Kg
91-20-3	Naphthalene	82.5	U	82.5	170	ug/Kg
106-47-8	4-Chloroaniline	82.5	U	82.5	170	ug/Kg
87-68-3	Hexachlorobutadiene	83.2	U	83.2	170	ug/Kg
105-60-2	Caprolactam	86.7	U	86.7	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	77.4	U	77.4	170	ug/Kg
91-57-6	2-Methylnaphthalene	82.4	U	82.4	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	160	U	160	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	71.3	U	71.3	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	73.9	U	73.9	170	ug/Kg
92-52-4	1,1-Biphenyl	87.3	U	87.3	170	ug/Kg
91-58-7	2-Chloronaphthalene	83.2	U	83.2	170	ug/Kg
88-74-4	2-Nitroaniline	94.9	U	94.9	170	ug/Kg
131-11-3	Dimethylphthalate	81.6	U	81.6	170	ug/Kg

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Fax : 908 789 8922

Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	
Project:	Con Ed Non-MGP - East River SI 453648	Date Received:	
Client Sample ID:	PB165814BL	SDG No.:	P5362
Lab Sample ID:	PB165814BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140989.D	1	12/23/24 09:35	12/27/24 11:48	PB165814

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	86.4	U	86.4	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	83.1	U	83.1	170	ug/Kg
99-09-2	3-Nitroaniline	89.1	U	89.1	170	ug/Kg
83-32-9	Acenaphthene	81.0	U	81.0	170	ug/Kg
51-28-5	2,4-Dinitrophenol	240	U	240	330	ug/Kg
100-02-7	4-Nitrophenol	120	U	120	330	ug/Kg
132-64-9	Dibenzofuran	84.3	U	84.3	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	86.1	U	86.1	170	ug/Kg
84-66-2	Diethylphthalate	80.0	U	80.0	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	85.5	U	85.5	170	ug/Kg
86-73-7	Fluorene	85.4	U	85.4	170	ug/Kg
100-01-6	4-Nitroaniline	110	U	110	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	120	U	120	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	81.5	U	81.5	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	78.8	U	78.8	170	ug/Kg
118-74-1	Hexachlorobenzene	84.9	U	84.9	170	ug/Kg
1912-24-9	Atrazine	91.3	U	91.3	170	ug/Kg
87-86-5	Pentachlorophenol	77.2	U	77.2	330	ug/Kg
85-01-8	Phenanthrene	83.9	U	83.9	170	ug/Kg
120-12-7	Anthracene	84.3	U	84.3	170	ug/Kg
86-74-8	Carbazole	80.2	U	80.2	170	ug/Kg
84-74-2	Di-n-butylphthalate	84.2	U	84.2	170	ug/Kg
206-44-0	Fluoranthene	81.6	U	81.6	170	ug/Kg
129-00-0	Pyrene	82.9	U	82.9	170	ug/Kg
85-68-7	Butylbenzylphthalate	96.7	U	96.7	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	98.5	U	98.5	330	ug/Kg
56-55-3	Benzo(a)anthracene	80.6	U	80.6	170	ug/Kg
218-01-9	Chrysene	79.4	U	79.4	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	90.9	U	90.9	170	ug/Kg
117-84-0	Di-n-octyl phthalate	110	U	110	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	81.0	U	81.0	170	ug/Kg

Raw Data: **BF140989.D**

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Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	
Project:	Con Ed Non-MGP - East River SI 453648	Date Received:	
Client Sample ID:	PB165814BL	SDG No.:	P5362
Lab Sample ID:	PB165814BL	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.03 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140989.D	1	12/23/24 09:35	12/27/24 11:48	PB165814

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	82.5	U	82.5	170	ug/Kg
50-32-8	Benzo(a)pyrene	92.9	U	92.9	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	78.0	U	78.0	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	81.1	U	81.1	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	80.0	U	80.0	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	86.7	U	86.7	170	ug/Kg
123-91-1	1,4-Dioxane	110	U	110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	74.6	U	74.6	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	131		18 - 112	88%	SPK: 150
13127-88-3	Phenol-d6	127		15 - 107	84%	SPK: 150
4165-60-0	Nitrobenzene-d5	109	*	18 - 107	109%	SPK: 100
321-60-8	2-Fluorobiphenyl	90.7		20 - 109	91%	SPK: 100
118-79-6	2,4,6-Tribromophenol	144		10 - 116	96%	SPK: 150
1718-51-0	Terphenyl-d14	83.3		10 - 105	83%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	274000	6.828			
1146-65-2	Naphthalene-d8	1090000	8.104			
15067-26-2	Acenaphthene-d10	582000	9.857			
1517-22-2	Phenanthrene-d10	982000	11.345			
1719-03-5	Chrysene-d12	752000	13.98			
1520-96-3	Perylene-d12	594000	15.439			
TENTATIVE IDENTIFIED COMPOUNDS						
000994-05-8	Butane, 2-methoxy-2-methyl-	84.6	J		2.17	ug/Kg

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Fax : 908 789 8922

Report of Analysis

Client:	PARSONS Main of New York, Inc.		Date Collected:		
Project:	Con Ed Non-MGP - East River SI 453648		Date Received:		
Client Sample ID:	PB165814BL		SDG No.:	P5362	
Lab Sample ID:	PB165814BL		Matrix:	SOIL	
Analytical Method:	SW8270		% Solid:	100	
Sample Wt/Vol:	30.03	Units: g	Final Vol:	1000	uL
Soil Aliquot Vol:		uL	Test:	SVOC-TCL BNA -20	
Extraction Type :		Decanted : N	Level :	LOW	
Injection Volume :		GPC Factor : 1.0	GPC Cleanup :	N	PH :
Prep Method :	SW3541				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140989.D	1	12/23/24 09:35	12/27/24 11:48	PB165814

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

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

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

Sample Results: **BF140989.D**

Instrument :
BNA_F
ClientSampleId :
PB165814BL

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140989.D
Acq On : 27 Dec 2024 11:48
Operator : RC/JU
Sample : PB165814BL
Misc :
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Dec 27 12:10:45 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.828	152	273904	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	1090162	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	581774	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	982068	20.000	ng	0.00
76) Chrysene-d12	13.980	240	752306	20.000	ng	0.00
86) Perylene-d12	15.439	264	594165	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.445	112	2386866	131.357	ng	0.01
7) Phenol-d6	6.445	99	2962878	126.575	ng	0.00
23) Nitrobenzene-d5	7.386	82	1863439	109.359	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	813842	143.963	ng	0.00
45) 2-Fluorobiphenyl	9.180	172	3311555	90.690	ng	0.00
79) Terphenyl-d14	12.933	244	3771436	83.269	ng	0.00
Target Compounds						Qvalue

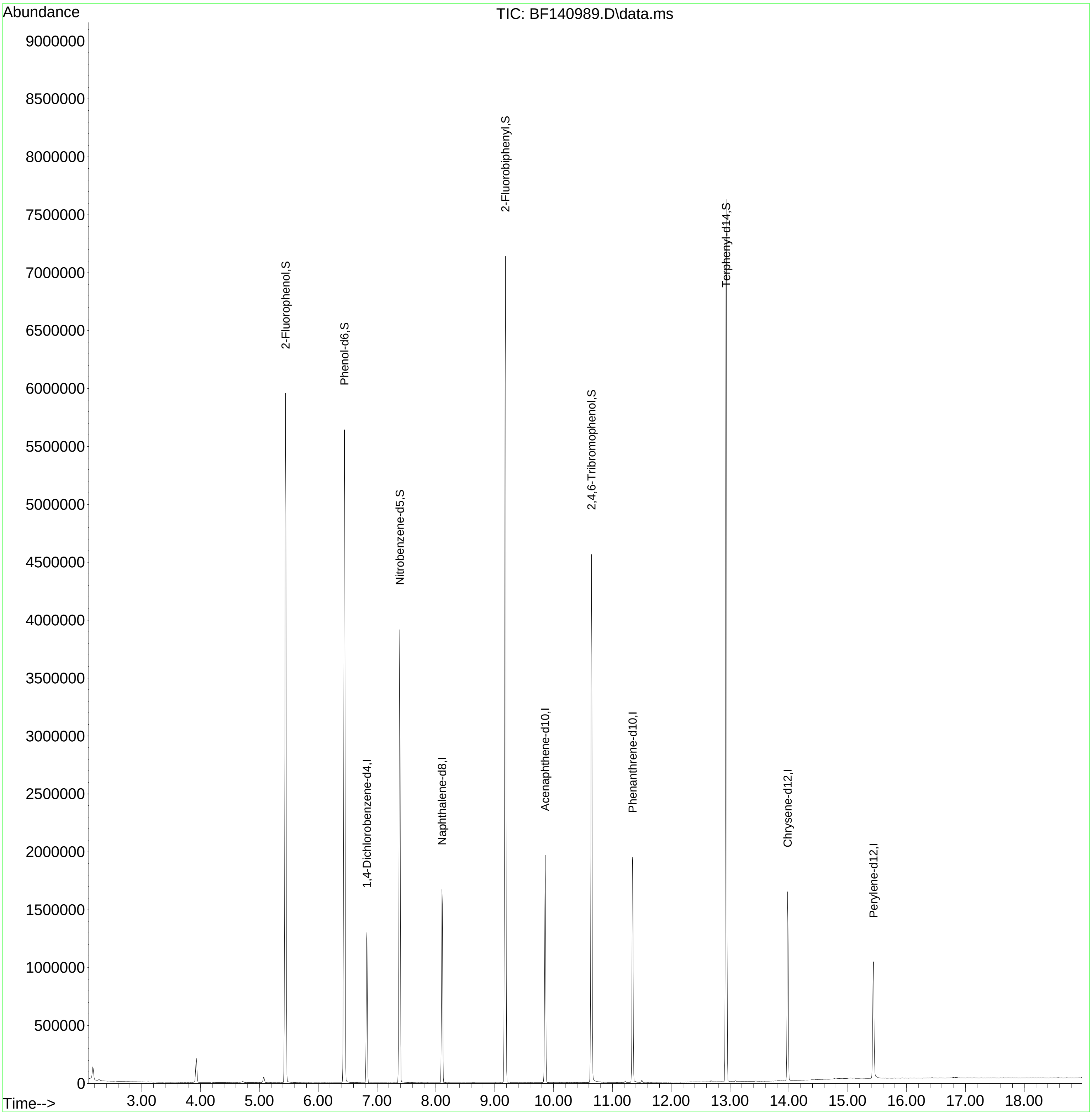
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sample Results: **BF140989.D**

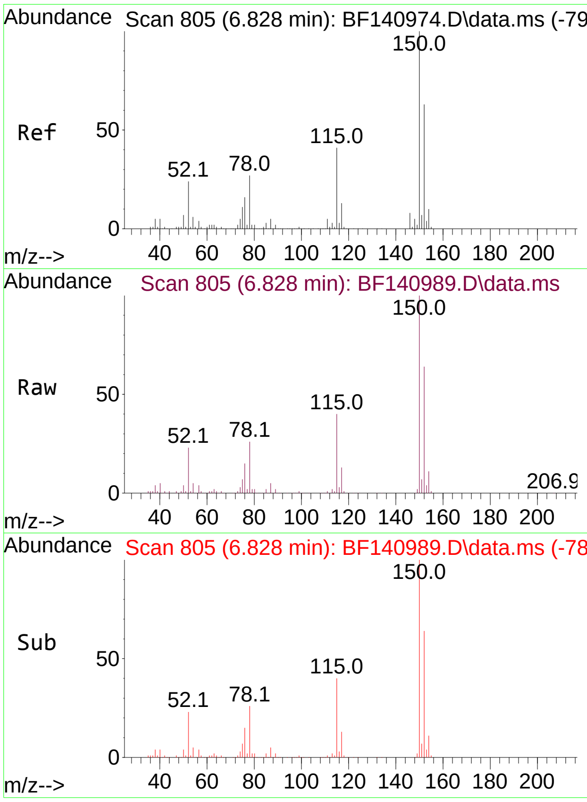
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140989.D
Acq On : 27 Dec 2024 11:48
Operator : RC/JU
Sample : PB165814BL
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB165814BL

Quant Time: Dec 27 12:10:45 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration



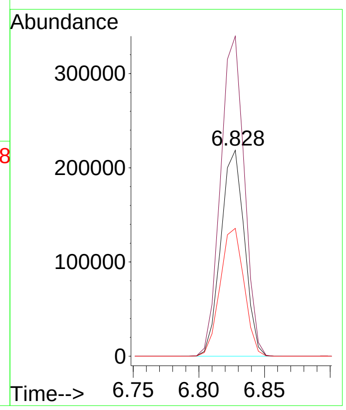
Instrument :
BNA_F
ClientSampleId :
PB165814BL

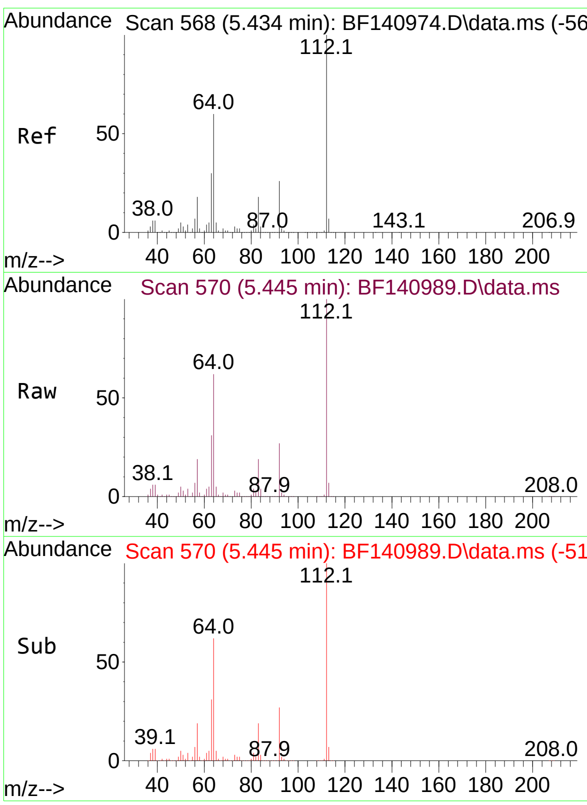


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF140989.D
Acq: 27 Dec 2024 11:48

Tgt Ion:152 Resp: 273904

Ion	Ratio	Lower	Upper
152	100		
150	155.3	127.0	190.6
115	62.1	51.7	77.5

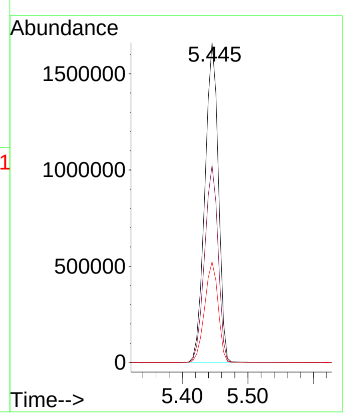




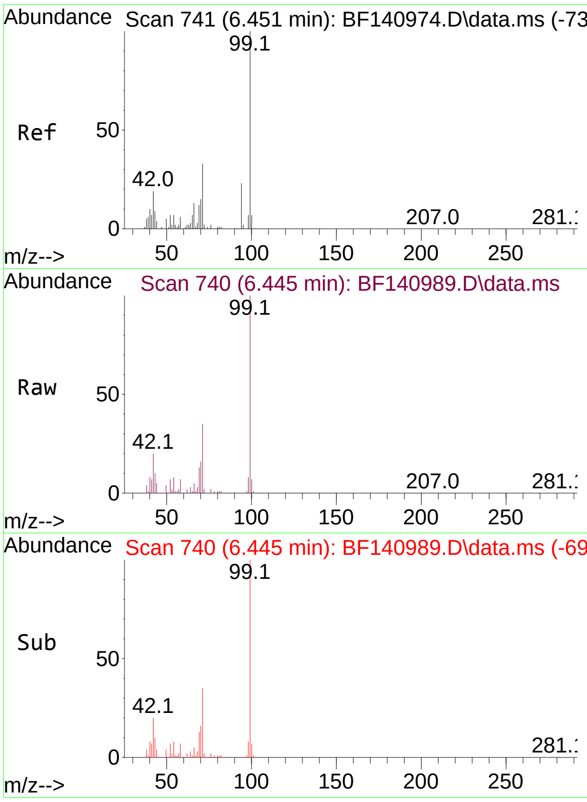
#5
2-Fluorophenol
Concen: 131.357 ng
RT: 5.445 min Scan# 570
Delta R.T. 0.012 min
Lab File: BF140989.D
Acq: 27 Dec 2024 11:48

Tgt Ion:112 Resp: 2386866

Ion	Ratio	Lower	Upper
112	100		
64	61.6	47.7	71.5
63	31.5	24.2	36.2



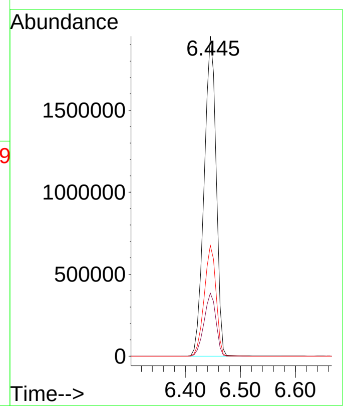
Instrument :
BNA_F
ClientSampleId :
PB165814BL

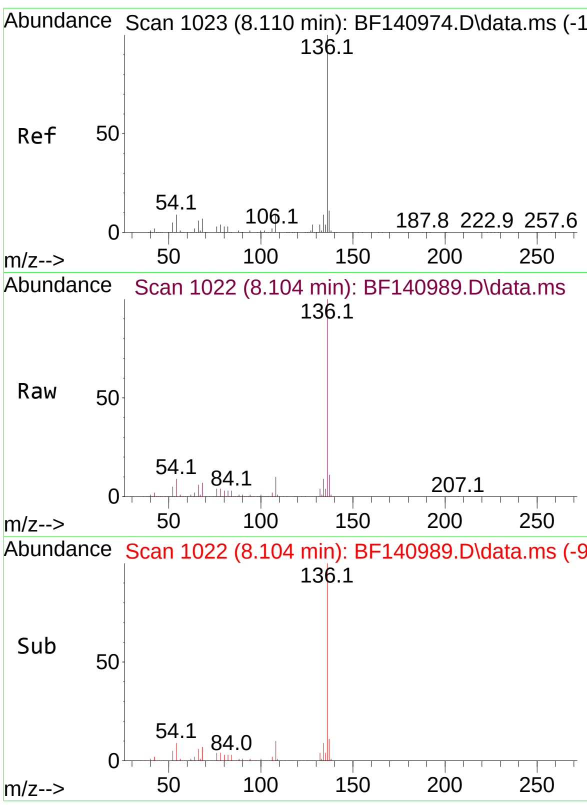


#7
Phenol-d6
Concen: 126.575 ng
RT: 6.445 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF140989.D
Acq: 27 Dec 2024 11:48

Tgt Ion: 99 Resp: 2962878

Ion	Ratio	Lower	Upper
99	100		
42	19.7	15.0	22.4
71	34.6	26.2	39.2

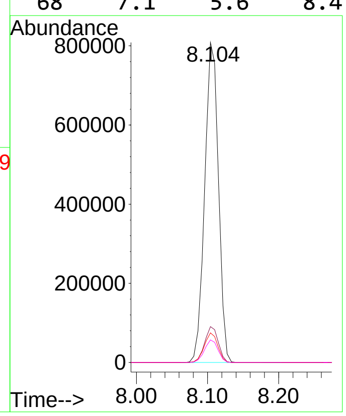




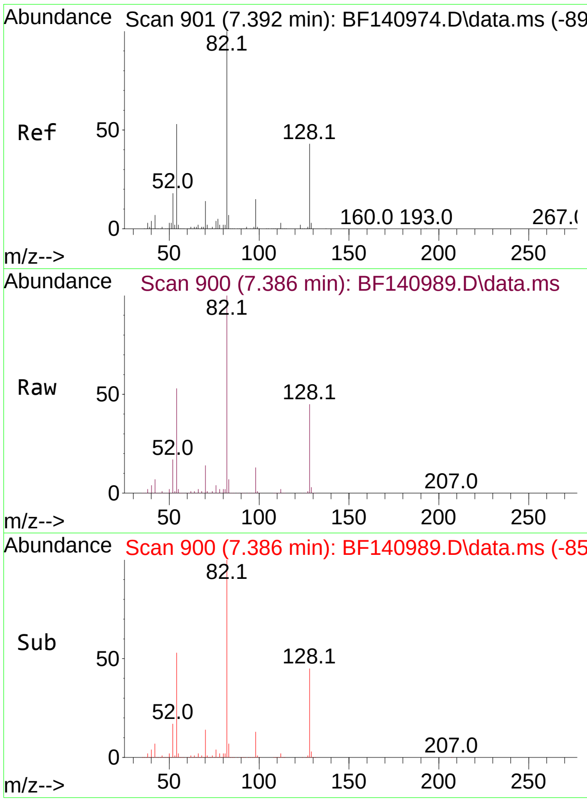
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.104 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BF140989.D
Acq: 27 Dec 2024 11:48

Tgt Ion:136 Resp: 1090162

Ion	Ratio	Lower	Upper
136	100		
137	11.2	9.0	13.4
54	9.2	7.6	11.4
68	7.1	5.6	8.4



Sample Results: **BF140989.D**

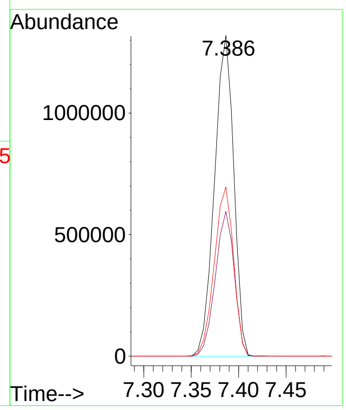


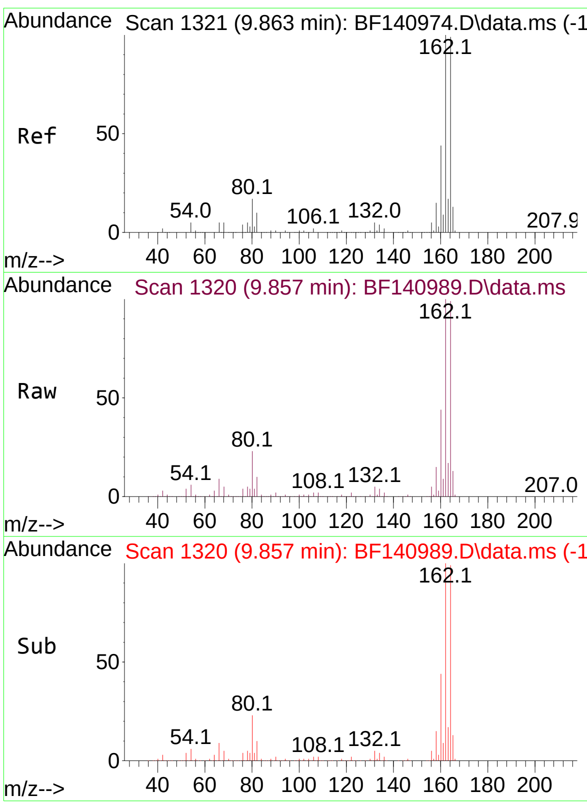
#23
Nitrobenzene-d5
Concen: 109.359 ng
RT: 7.386 min Scan# 90
Delta R.T. -0.006 min
Lab File: BF140989.D
Acq: 27 Dec 2024 11:48

Instrument :
BNA_F
ClientSampleId :
PB165814BL

Tgt Ion: 82 Resp: 1863439

Ion	Ratio	Lower	Upper
82	100		
128	45.1	34.4	51.6
54	52.8	42.4	63.6

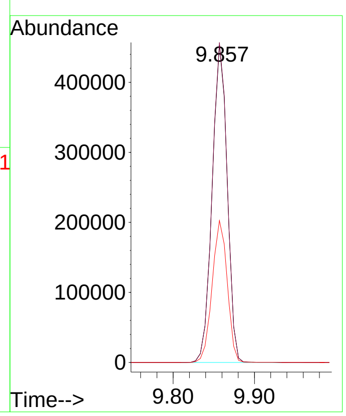




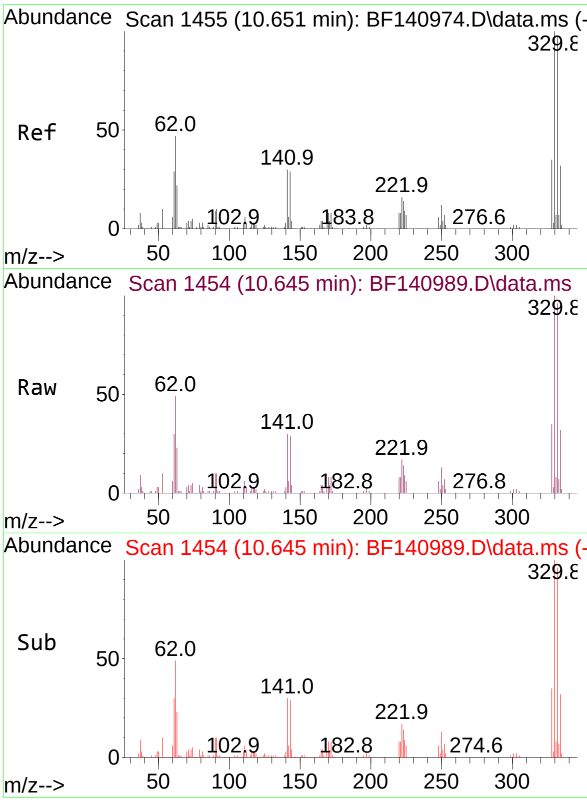
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF140989.D
Acq: 27 Dec 2024 11:48

Tgt Ion:164 Resp: 581774

Ion	Ratio	Lower	Upper
164	100		
162	100.8	80.6	120.8
160	44.7	35.7	53.5



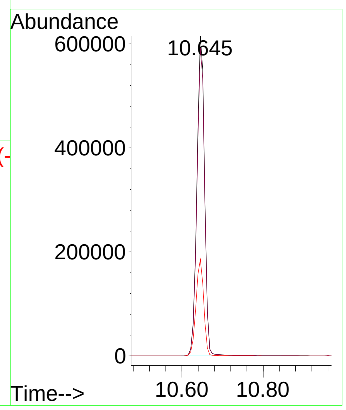
Instrument :
BNA_F
ClientSampleId :
PB165814BL

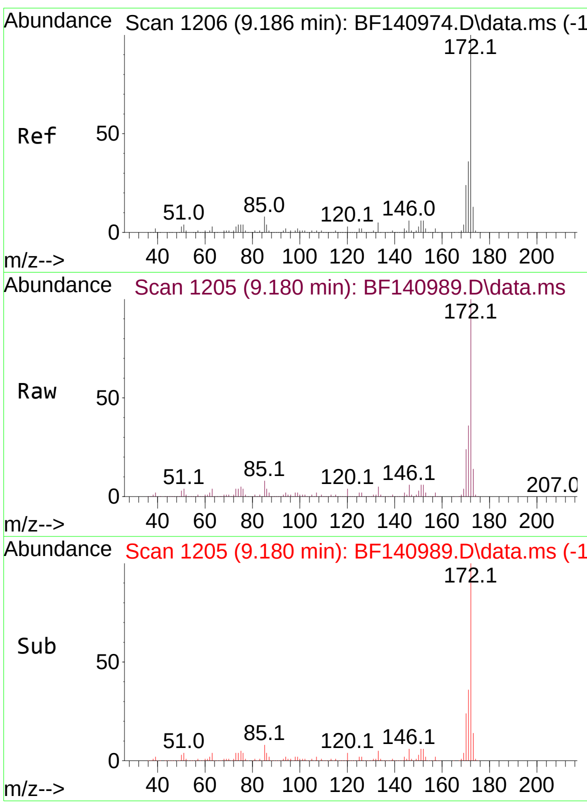


#42
2,4,6-Tribromophenol
Concen: 143.963 ng
RT: 10.645 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF140989.D
Acq: 27 Dec 2024 11:48

Tgt Ion:330 Resp: 813842

Ion	Ratio	Lower	Upper
330	100		
332	95.9	78.0	117.0
141	30.4	26.4	39.6

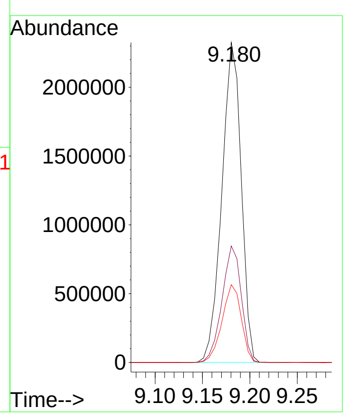




#45
2-Fluorobiphenyl
Concen: 90.690 ng
RT: 9.180 min Scan# 1205
Delta R.T. -0.006 min
Lab File: BF140989.D
Acq: 27 Dec 2024 11:48

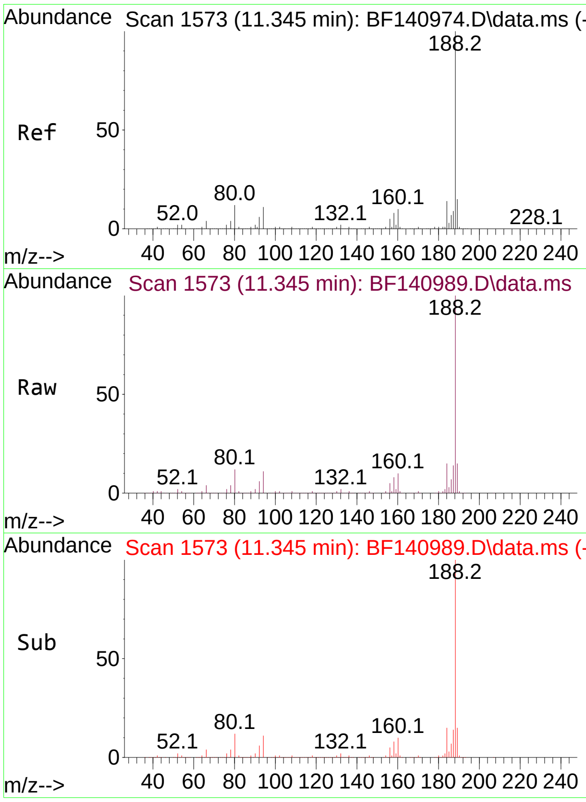
Tgt Ion:172 Resp: 3311555

Ion	Ratio	Lower	Upper
172	100		
171	36.4	29.0	43.4
170	24.3	19.6	29.4



Instrument : BNA_F

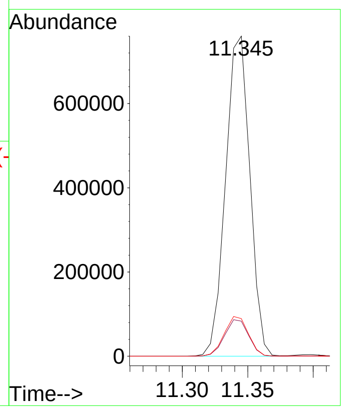
ClientSampleId : PB165814BL

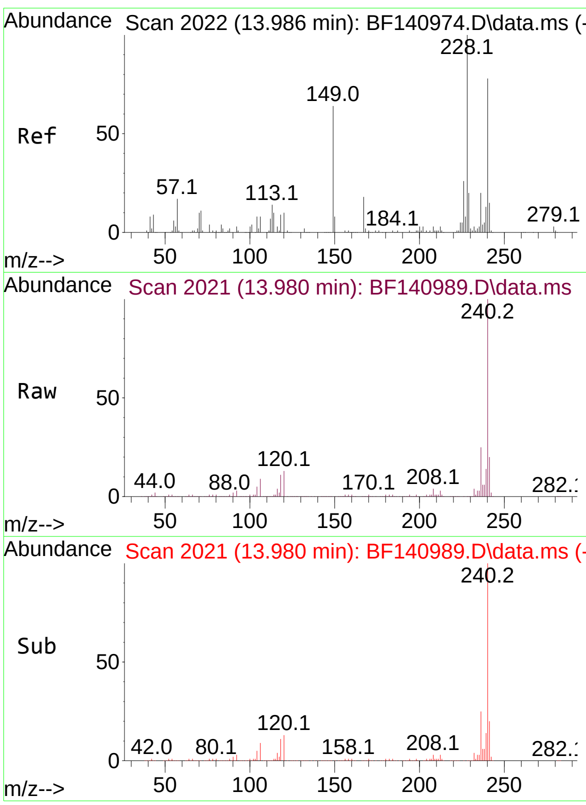


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140989.D
Acq: 27 Dec 2024 11:48

Tgt Ion:188 Resp: 982068

Ion	Ratio	Lower	Upper
188	100		
94	11.0	9.0	13.6
80	11.7	9.8	14.6

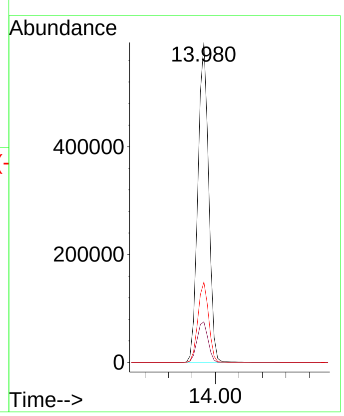




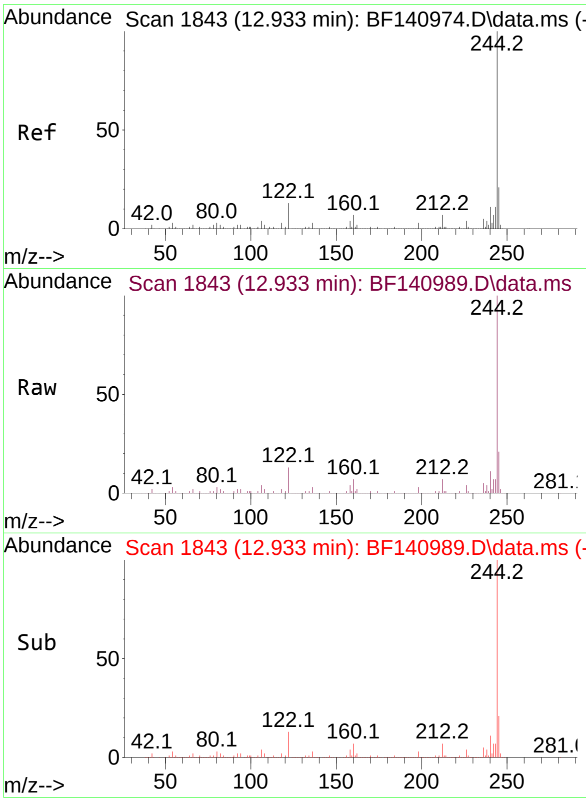
#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF140989.D
Acq: 27 Dec 2024 11:48

Tgt Ion:240 Resp: 752306

Ion	Ratio	Lower	Upper
240	100		
120	12.7	10.7	16.1
236	25.1	20.6	31.0



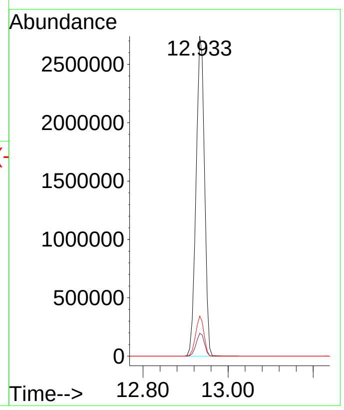
Instrument :
BNA_F
ClientSampleId :
PB165814BL

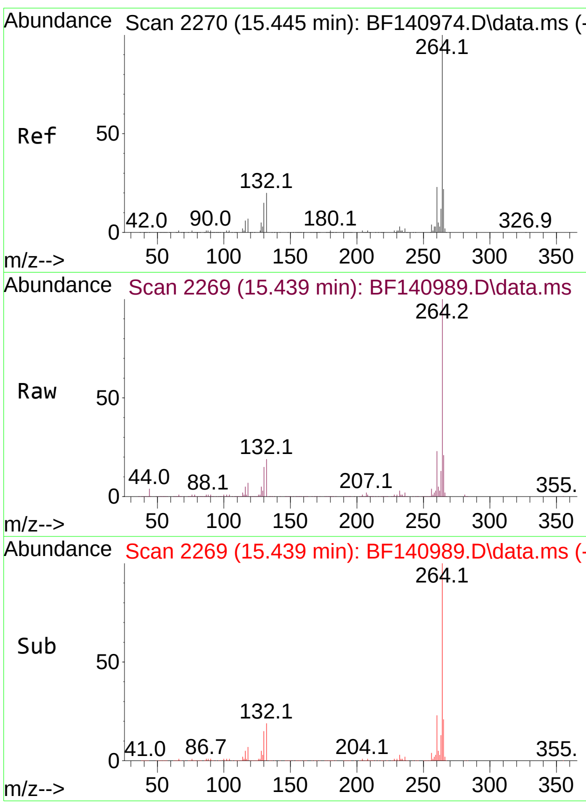


#79
Terphenyl-d14
Concen: 83.269 ng
RT: 12.933 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140989.D
Acq: 27 Dec 2024 11:48

Tgt Ion:244 Resp: 3771436

Ion	Ratio	Lower	Upper
244	100		
212	7.2	5.7	8.5
122	12.6	10.2	15.2

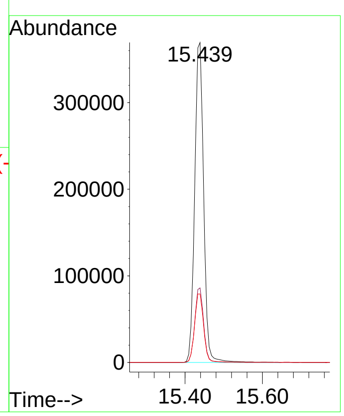




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF140989.D
Acq: 27 Dec 2024 11:48

Tgt Ion:264 Resp: 594165

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.7	28.1
265	21.4	17.4	26.2



Sample Results: **BF140989.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140989.D
Acq On : 27 Dec 2024 11:48
Operator : RC/JU
Sample : PB165814BL
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB165814BL

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-BF122624.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF140989.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.169	8	13	26	rVB	114808	209455	2.03%	0.337%
2	3.928	305	312	319	rVB	206656	325850	3.15%	0.524%
3	5.445	563	570	575	rBV	5950164	8512254	82.34%	13.693%
4	6.445	733	740	746	rBV	5637944	8515832	82.38%	13.699%
5	6.828	799	805	810	rVB	1297726	1648904	15.95%	2.652%
6	7.386	893	900	905	rBV	3913228	5555269	53.74%	8.936%
7	8.104	1016	1022	1028	rBV	1668816	2239511	21.66%	3.603%
8	9.180	1198	1205	1210	rBV	7132982	10034146	97.06%	16.141%
9	9.857	1313	1320	1325	rBV	1963221	2522176	24.40%	4.057%
10	10.645	1446	1454	1459	rBV	4560051	6020279	58.24%	9.684%
11	11.345	1567	1573	1578	rBV	1944177	2525344	24.43%	4.062%
12	12.933	1837	1843	1848	rBV	7618414	10337698	100.00%	16.630%
13	13.980	2015	2021	2031	rBV	1631555	2079130	20.11%	3.345%
14	15.433	2262	2268	2293	rBV	1005820	1638643	15.85%	2.636%

Sum of corrected areas: 62164491

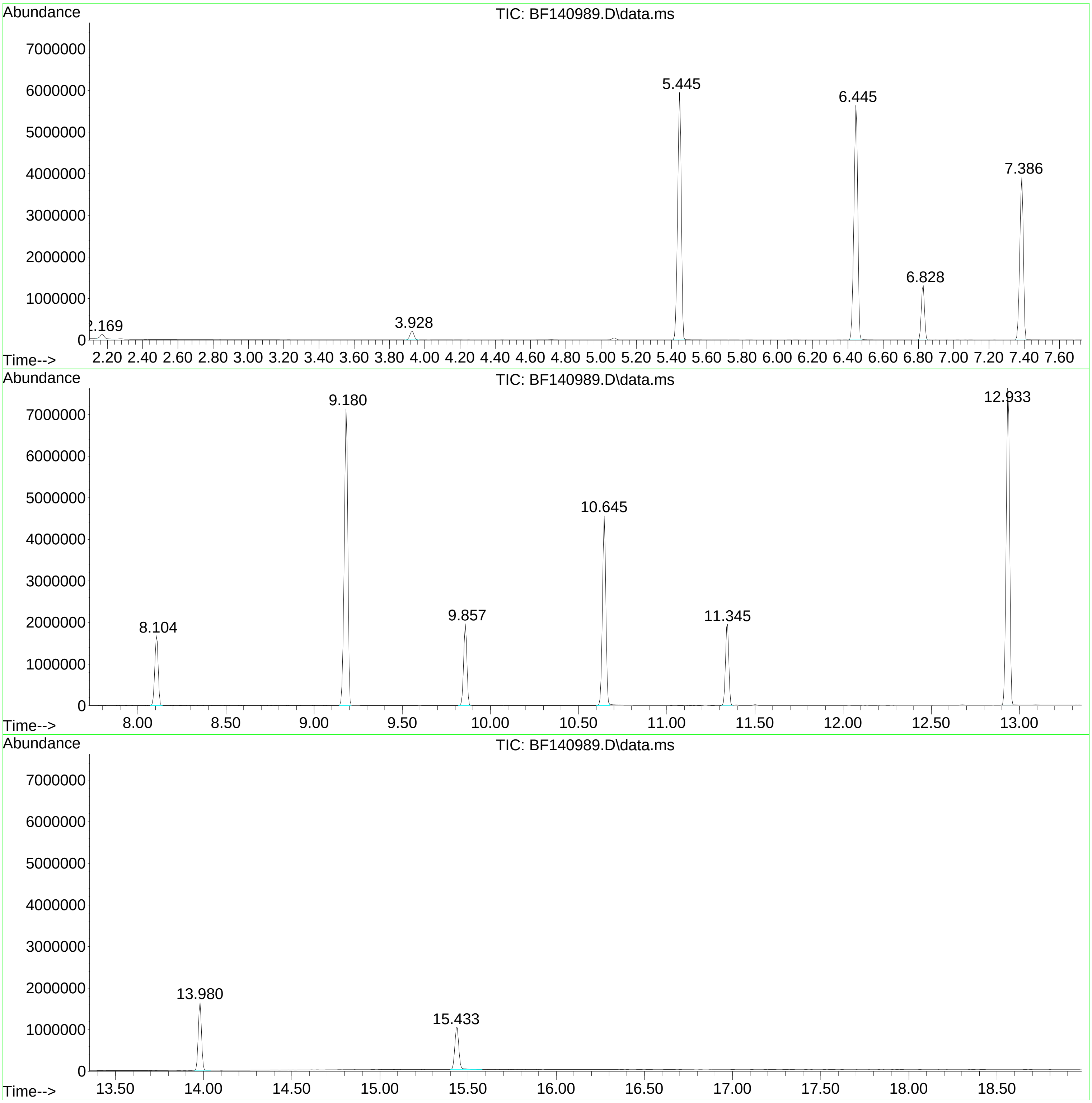
Sample Results: **BF140989.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140989.D
Acq On : 27 Dec 2024 11:48
Operator : RC/JU
Sample : PB165814BL
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB165814BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.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\BF122724\
Data File : BF140989.D
Acq On : 27 Dec 2024 11:48
Operator : RC/JU
Sample : PB165814BL
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB165814BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

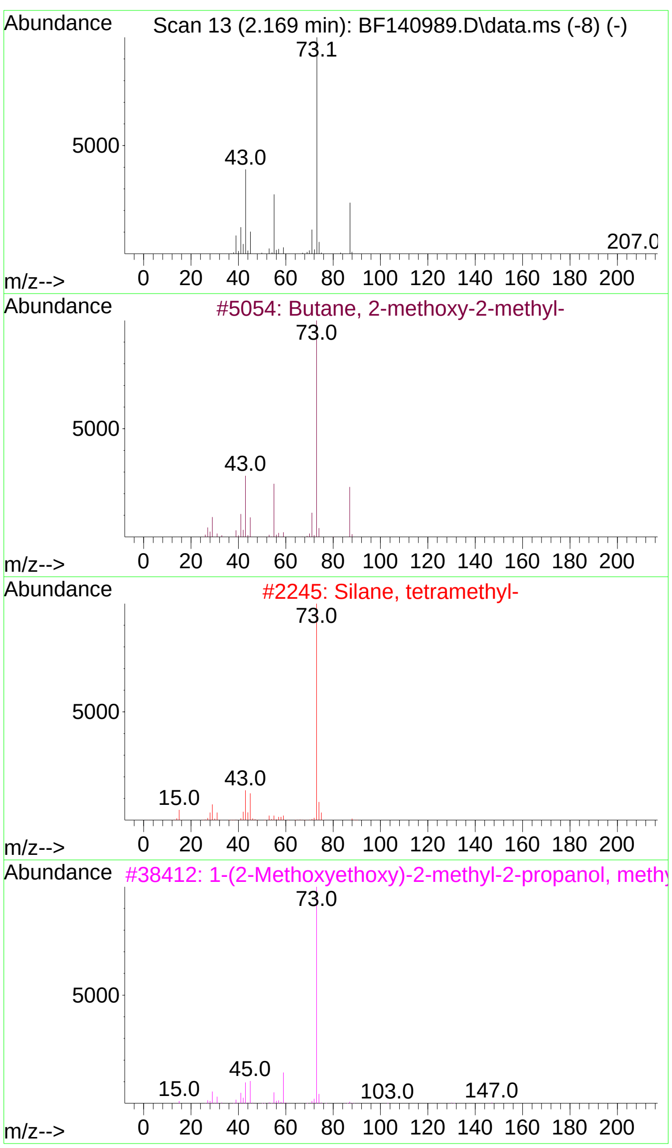
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

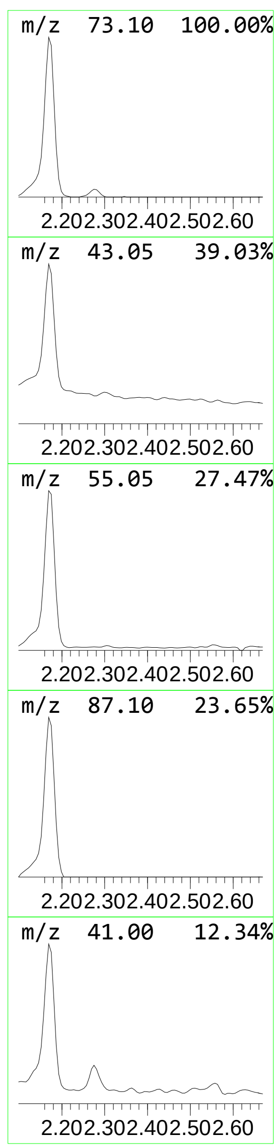
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.169	2.54 ng	209455	1,4-Dichlorobenzene-d4	6.828

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	78
2	Silane, tetramethyl-	88	C4H12Si	000075-76-3	25
3	1-(2-Methoxyethoxy)-2-methyl-2-p...	162	C8H18O3	1000364-24-4	25
4	Octanal, 7-methoxy-3,7-dimethyl-	186	C11H22O2	003613-30-7	23
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140989.D
Acq On : 27 Dec 2024 11:48
Operator : RC/JU
Sample : PB165814BL
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB165814BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-metho...	2.169	2.5	ng	209455	1	6.828	1648900	20.0

Raw Data: **BF140990.D**

Alliance TECHNICAL GROUP

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

Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	
Project:	Con Ed Non-MGP - East River SI 453648	Date Received:	
Client Sample ID:	PB165814BS	SDG No.:	P5362
Lab Sample ID:	PB165814BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140990.D	1	12/23/24 09:35	12/27/24 12:14	PB165814

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	450		180	330	ug/Kg
108-95-2	Phenol	1800		82.9	170	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1700		83.7	170	ug/Kg
95-57-8	2-Chlorophenol	1800		83.5	170	ug/Kg
95-48-7	2-Methylphenol	1700		80.6	170	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1800		90.9	170	ug/Kg
98-86-2	Acetophenone	1600		86.9	170	ug/Kg
65794-96-9	3+4-Methylphenols	1700		79.8	330	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1700		40.3	80.0	ug/Kg
67-72-1	Hexachloroethane	1700		83.0	170	ug/Kg
98-95-3	Nitrobenzene	1800		90.8	170	ug/Kg
78-59-1	Isophorone	1700		84.6	170	ug/Kg
88-75-5	2-Nitrophenol	1900		94.5	170	ug/Kg
105-67-9	2,4-Dimethylphenol	2000		93.2	170	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1600		85.8	170	ug/Kg
120-83-2	2,4-Dichlorophenol	1700		75.5	170	ug/Kg
91-20-3	Naphthalene	1600		82.6	170	ug/Kg
106-47-8	4-Chloroaniline	580		82.6	170	ug/Kg
87-68-3	Hexachlorobutadiene	1600		83.3	170	ug/Kg
105-60-2	Caprolactam	1700		86.8	330	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1700		77.5	170	ug/Kg
91-57-6	2-Methylnaphthalene	1600		82.5	170	ug/Kg
77-47-4	Hexachlorocyclopentadiene	6100	E	160	330	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1800		71.4	170	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1700		74.0	170	ug/Kg
92-52-4	1,1-Biphenyl	1700		87.4	170	ug/Kg
91-58-7	2-Chloronaphthalene	1600		83.3	170	ug/Kg
88-74-4	2-Nitroaniline	1900		95.0	170	ug/Kg
131-11-3	Dimethylphthalate	1700		81.7	170	ug/Kg

Raw Data: **BF140990.D**

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

Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	
Project:	Con Ed Non-MGP - East River SI 453648	Date Received:	
Client Sample ID:	PB165814BS	SDG No.:	P5362
Lab Sample ID:	PB165814BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140990.D	1	12/23/24 09:35	12/27/24 12:14	PB165814

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1800		86.5	170	ug/Kg
606-20-2	2,6-Dinitrotoluene	1800		83.2	170	ug/Kg
99-09-2	3-Nitroaniline	1100		89.2	170	ug/Kg
83-32-9	Acenaphthene	1800		81.1	170	ug/Kg
51-28-5	2,4-Dinitrophenol	3400	E	240	330	ug/Kg
100-02-7	4-Nitrophenol	4000	E	120	330	ug/Kg
132-64-9	Dibenzofuran	1700		84.4	170	ug/Kg
121-14-2	2,4-Dinitrotoluene	2000		86.2	170	ug/Kg
84-66-2	Diethylphthalate	1700		80.1	170	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1600		85.6	170	ug/Kg
86-73-7	Fluorene	1600		85.5	170	ug/Kg
100-01-6	4-Nitroaniline	1800		110	170	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2000		120	330	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1700		81.6	170	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1800		78.9	170	ug/Kg
118-74-1	Hexachlorobenzene	1700		85.0	170	ug/Kg
1912-24-9	Atrazine	2200		91.4	170	ug/Kg
87-86-5	Pentachlorophenol	3500	E	77.3	330	ug/Kg
85-01-8	Phenanthrene	1700		84.0	170	ug/Kg
120-12-7	Anthracene	1800		84.4	170	ug/Kg
86-74-8	Carbazole	1700		80.3	170	ug/Kg
84-74-2	Di-n-butylphthalate	1700		84.3	170	ug/Kg
206-44-0	Fluoranthene	1600		81.7	170	ug/Kg
129-00-0	Pyrene	1600		83.0	170	ug/Kg
85-68-7	Butylbenzylphthalate	1800		96.8	170	ug/Kg
91-94-1	3,3-Dichlorobenzidine	920		98.6	330	ug/Kg
56-55-3	Benzo(a)anthracene	1600		80.7	170	ug/Kg
218-01-9	Chrysene	1700		79.5	170	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1700		91.0	170	ug/Kg
117-84-0	Di-n-octyl phthalate	1800		110	330	ug/Kg
205-99-2	Benzo(b)fluoranthene	1600		81.1	170	ug/Kg

Alliance TECHNICAL GROUP

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

Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	
Project:	Con Ed Non-MGP - East River SI 453648	Date Received:	
Client Sample ID:	PB165814BS	SDG No.:	P5362
Lab Sample ID:	PB165814BS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	100
Sample Wt/Vol:	30.01 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF140990.D	1	12/23/24 09:35	12/27/24 12:14	PB165814

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	2000		82.6	170	ug/Kg
50-32-8	Benzo(a)pyrene	1900		93.0	170	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1900		78.1	170	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1900		81.2	170	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1700		80.1	170	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1700		86.8	170	ug/Kg
123-91-1	1,4-Dioxane	1500		110	170	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1900		74.7	170	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	142		18 - 112	95%	SPK: 150
13127-88-3	Phenol-d6	141		15 - 107	94%	SPK: 150
4165-60-0	Nitrobenzene-d5	117	*	18 - 107	117%	SPK: 100
321-60-8	2-Fluorobiphenyl	96.4		20 - 109	96%	SPK: 100
118-79-6	2,4,6-Tribromophenol	166		10 - 116	111%	SPK: 150
1718-51-0	Terphenyl-d14	99.9		10 - 105	100%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	252000	6.828			
1146-65-2	Naphthalene-d8	1020000	8.11			
15067-26-2	Acenaphthene-d10	541000	9.863			
1517-22-2	Phenanthrene-d10	919000	11.345			
1719-03-5	Chrysene-d12	633000	13.986			
1520-96-3	Perylene-d12	527000	15.439			

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

Quantitation Report (QT Reviewed)

Sample Results: **BF140990.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140990.D
Acq On : 27 Dec 2024 12:14
Operator : RC/JU
Sample : PB165814BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB165814BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

Quant Time: Dec 27 12:56:56 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	6.828	152	251701	20.000 ng	0.00
21) Naphthalene-d8	8.110	136	1024345	20.000 ng	0.00
39) Acenaphthene-d10	9.863	164	541141	20.000 ng	0.00
64) Phenanthrene-d10	11.345	188	919053	20.000 ng	0.00
76) Chrysene-d12	13.986	240	633131	20.000 ng	0.00
86) Perylene-d12	15.439	264	527325	20.000 ng	0.00
System Monitoring Compounds					
5) 2-Fluorophenol	5.445	112	2370873	141.986 ng	0.01
7) Phenol-d6	6.451	99	3036113	141.145 ng	0.00
23) Nitrobenzene-d5	7.392	82	1878501	117.326 ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	875393	166.478 ng	0.00
45) 2-Fluorobiphenyl	9.186	172	3275052	96.425 ng	0.00
79) Terphenyl-d14	12.933	244	3809770	99.948 ng	0.00
Target Compounds					Qvalue
2) 1,4-Dioxane	2.663	88	333695	44.141 ng	99
3) Pyridine	3.398	79	871293	47.161 ng	99
4) n-Nitrosodimethylamine	3.351	42	478844	51.155 ng	99
6) Aniline	6.492	93	874426	45.580 ng	99
8) 2-Chlorophenol	6.610	128	939055	53.341 ng	98
9) Benzaldehyde	6.375	77	200866	13.650 ng	99
10) Phenol	6.469	94	1171693	52.678 ng	97
11) bis(2-Chloroethyl)ether	6.563	93	902335	50.243 ng	99
12) 1,3-Dichlorobenzene	6.769	146	943804	48.577 ng	100
13) 1,4-Dichlorobenzene	6.845	146	954534	48.736 ng	99
14) 1,2-Dichlorobenzene	6.998	146	917350	50.235 ng	99
15) Benzyl Alcohol	6.969	79	814451	52.689 ng	98
16) 2,2'-oxybis(1-Chloropr...	7.104	45	1432863	52.757 ng	99
17) 2-Methylphenol	7.075	107	765214	52.320 ng	99
18) Hexachloroethane	7.339	117	348187	50.044 ng	97
19) n-Nitroso-di-n-propyla...	7.245	70	669878	50.833 ng	99
20) 3+4-Methylphenols	7.228	107	927748	50.126 ng	94
22) Acetophenone	7.239	105	1233234	49.077 ng	99
24) Nitrobenzene	7.410	77	968330	54.125 ng	98
25) Isophorone	7.651	82	1784471	51.218 ng	99
26) 2-Nitrophenol	7.728	139	424376	56.791 ng	98
27) 2,4-Dimethylphenol	7.757	122	770013	60.473 ng	100
28) bis(2-Chloroethoxy)met...	7.863	93	1082836	49.054 ng	99
29) 2,4-Dichlorophenol	7.963	162	748910	51.859 ng	99
30) 1,2,4-Trichlorobenzene	8.051	180	770747	47.154 ng	99
31) Naphthalene	8.133	128	2617061	48.485 ng	100
32) Benzoic acid	7.875	122	528449	50.041 ng	98
33) 4-Chloroaniline	8.175	127	339031	17.362 ng	99
34) Hexachlorobutadiene	8.251	225	461076	47.849 ng	99
35) Caprolactam	8.545	113	255879m	52.120 ng	
36) 4-Chloro-3-methylphenol	8.651	107	814204	50.768 ng	99
37) 2-Methylnaphthalene	8.822	142	1701506	49.275 ng	99
38) 1-Methylnaphthalene	8.922	142	1585416	46.717 ng	99
40) 1,2,4,5-Tetrachloroben...	8.986	216	737419	49.533 ng	99
41) Hexachlorocyclopentadiene	8.975	237	897033	181.823 ng	100
43) 2,4,6-Trichlorophenol	9.092	196	545658	55.070 ng	100

Sample Results: **BF140990.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140990.D
Acq On : 27 Dec 2024 12:14
Operator : RC/JU
Sample : PB165814BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB165814BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

Quant Time: Dec 27 12:56:56 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.133	196	515432	50.841	ng		99
46) 1,1'-Biphenyl	9.286	154	2055713	49.613	ng		100
47) 2-Chloronaphthalene	9.310	162	1537450	47.842	ng		99
48) 2-Nitroaniline	9.404	65	487997	57.075	ng		93
49) Acenaphthylene	9.727	152	2430507	52.539	ng		99
50) Dimethylphthalate	9.586	163	1833974	51.524	ng		100
51) 2,6-Dinitrotoluene	9.645	165	401522	54.757	ng		98
52) Acenaphthene	9.898	154	1712545	54.759	ng		100
53) 3-Nitroaniline	9.810	138	257155	33.624	ng	#	95
54) 2,4-Dinitrophenol	9.916	184	331319	101.758	ng	#	1
55) Dibenzofuran	10.069	168	2200885	50.075	ng		100
56) 4-Nitrophenol	9.969	139	728498	119.648	ng		98
57) 2,4-Dinitrotoluene	10.051	165	532247	58.802	ng		98
58) Fluorene	10.410	166	1652515	48.486	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.180	232	471237	56.124	ng		100
60) Diethylphthalate	10.292	149	1787895	50.879	ng		99
61) 4-Chlorophenyl-phenyle...	10.404	204	797804	48.648	ng		100
62) 4-Nitroaniline	10.427	138	429748	54.039	ng		95
63) Azobenzene	10.563	77	1864588	50.553	ng		99
65) 4,6-Dinitro-2-methylph...	10.457	198	233087	60.571	ng		94
66) n-Nitrosodiphenylamine	10.522	169	1518417	52.466	ng		98
67) 4-Bromophenyl-phenylether	10.892	248	529887	53.335	ng		100
68) Hexachlorobenzene	10.957	284	564078	51.490	ng		99
69) Atrazine	11.051	200	526059	65.065	ng		99
70) Pentachlorophenol	11.151	266	707064	103.665	ng		99
71) Phenanthrene	11.374	178	2494485	51.570	ng		99
72) Anthracene	11.422	178	2528317	53.343	ng		99
73) Carbazole	11.574	167	2329697	51.130	ng		100
74) Di-n-butylphthalate	11.916	149	2640717	50.955	ng		100
75) Fluoranthene	12.557	202	2588359	49.339	ng		100
77) Benzidine	12.680	184	688958	51.489	ng		99
78) Pyrene	12.786	202	2666892	48.163	ng		99
80) Butylbenzylphthalate	13.410	149	1068367	52.839	ng		97
81) Benzo(a)anthracene	13.974	228	2089530	47.354	ng		100
82) 3,3'-Dichlorobenzidine	13.939	252	366414	27.639	ng		100
83) Chrysene	14.015	228	2063978	51.888	ng		100
84) Bis(2-ethylhexyl)phtha...	13.974	149	1332849	50.819	ng		100
85) Di-n-octyl phthalate	14.592	149	2101612	55.364	ng		100
87) Indeno(1,2,3-cd)pyrene	16.892	276	1862200	56.052	ng		99
88) Benzo(b)fluoranthene	15.021	252	1761651	47.900	ng		99
89) Benzo(k)fluoranthene	15.051	252	1687799	58.553	ng		100
90) Benzo(a)pyrene	15.380	252	1599470	56.031	ng		99
91) Dibenzo(a,h)anthracene	16.915	278	1503324	55.822	ng		99
92) Benzo(g,h,i)perylene	17.333	276	1395806	49.972	ng		99

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

Quantitation Report (QT Reviewed)

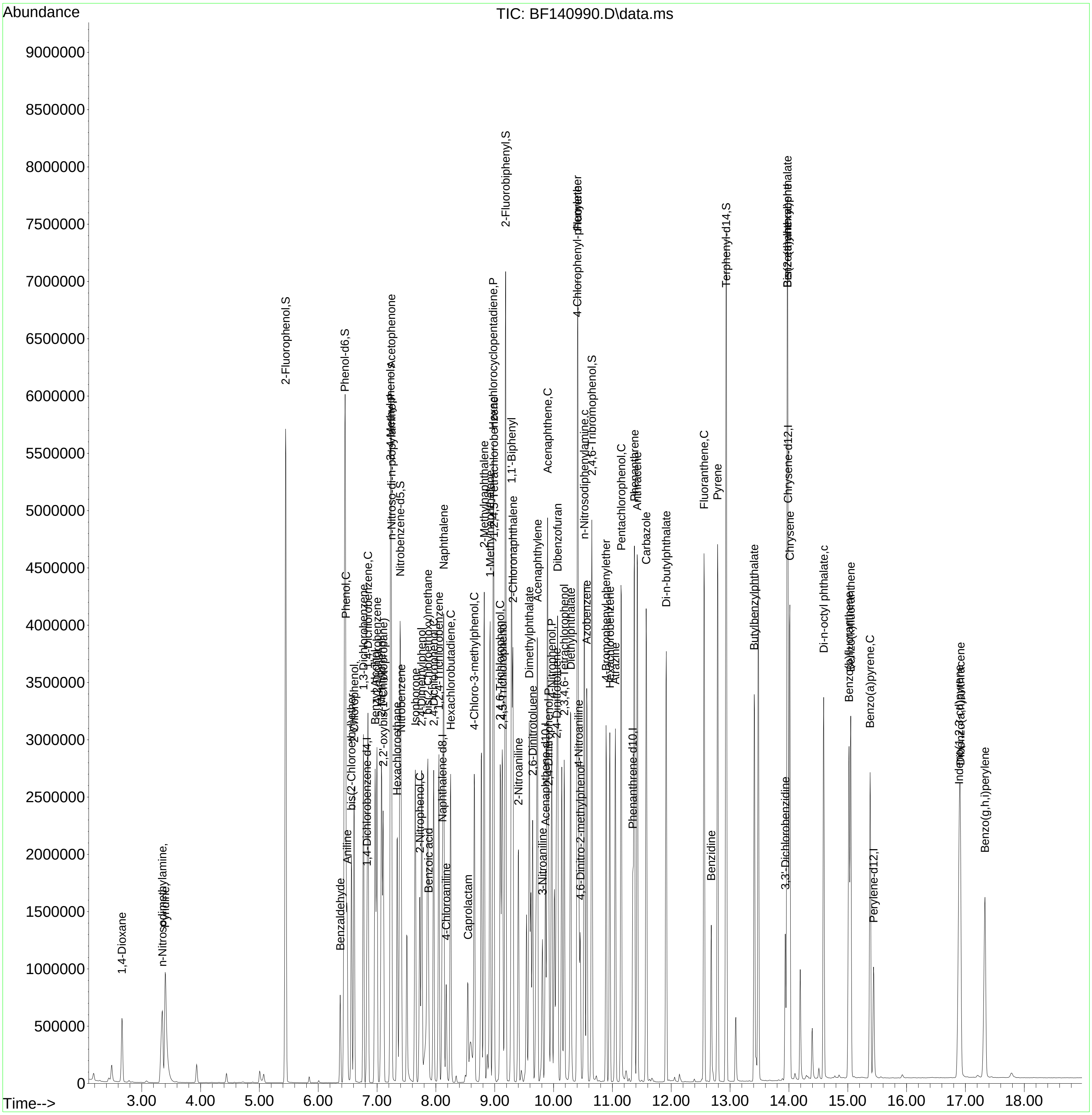
Sample Results: **BF140990.D**

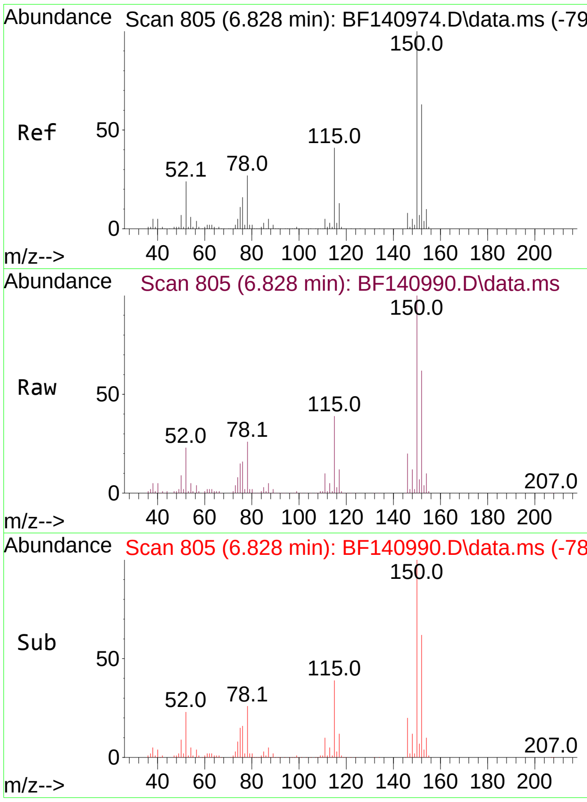
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF140990.D
Acq On : 27 Dec 2024 12:14
Operator : RC/JU
Sample : PB165814BS
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 27 12:56:56 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
PB165814BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

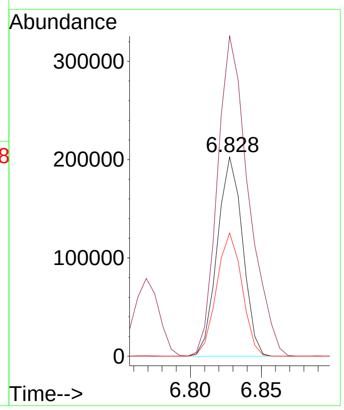




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.828 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

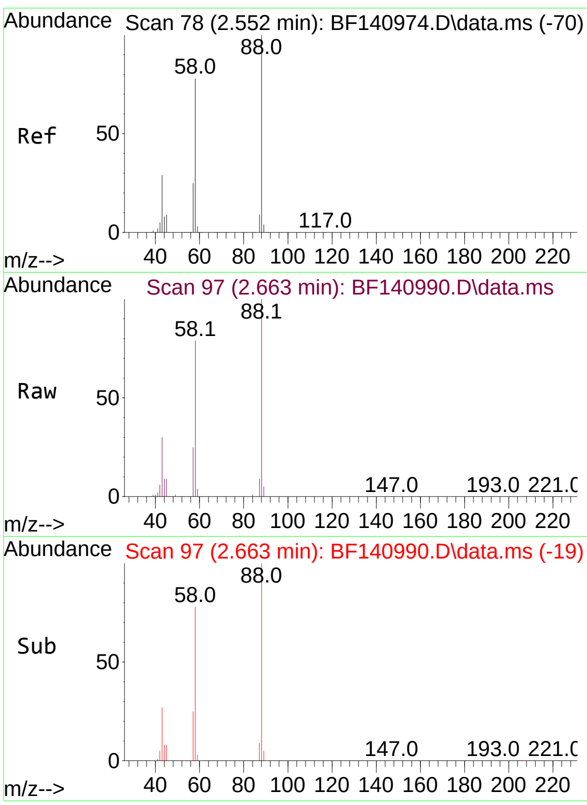
Tgt Ion:152 Resp: 25170

Ion	Ratio	Lower	Upper
152	100		
150	160.7	127.0	190.6
115	61.9	51.7	77.5



Instrument :
BNA_F
ClientSampleId :
PB165814BS

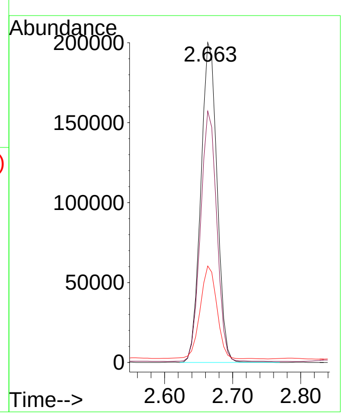
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#2
1,4-Dioxane
Concen: 44.141 ng
RT: 2.663 min Scan# 97
Delta R.T. 0.112 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Tgt Ion: 88 Resp: 333695

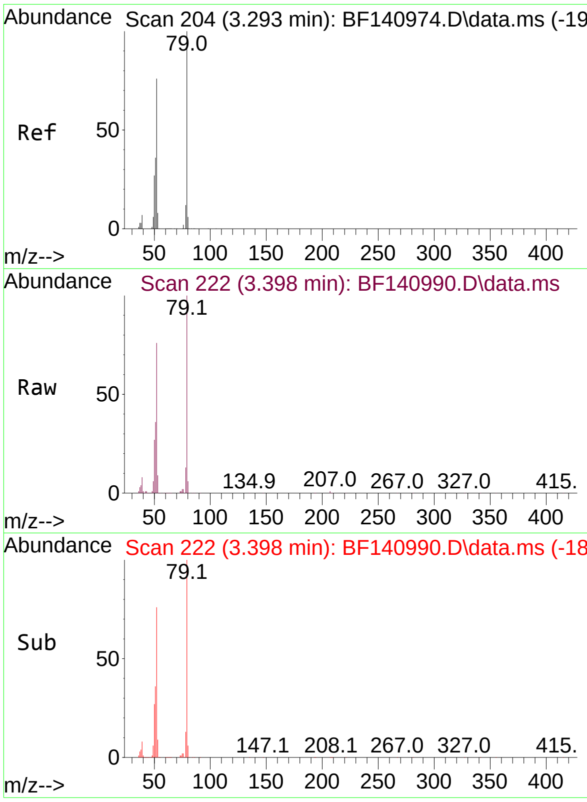
Ion	Ratio	Lower	Upper
88	100		
58	78.1	63.0	94.4
43	29.4	23.4	35.2



Instrument :
BNA_F
ClientSampleId :
PB165814BS

Manual Integrations APPROVED

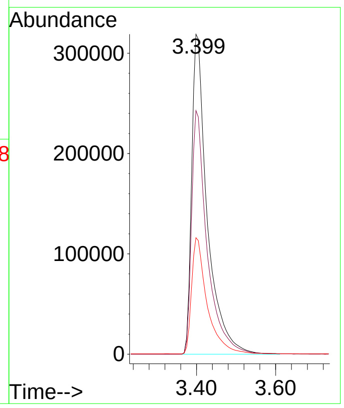
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

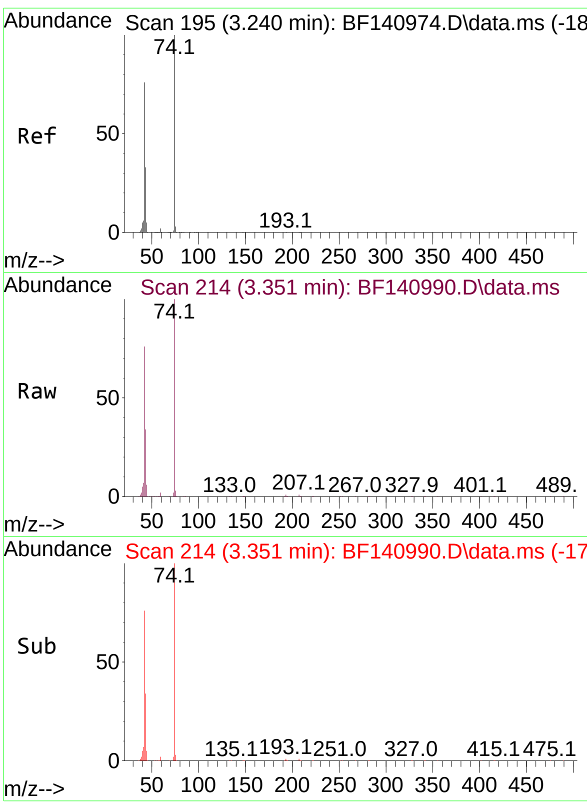


#3
Pyridine
Concen: 47.161 ng
RT: 3.398 min Scan# 2
Delta R.T. 0.106 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Tgt Ion: 79 Resp: 87129

Ion	Ratio	Lower	Upper
79	100		
52	76.1	60.4	90.6
51	36.4	28.8	43.2

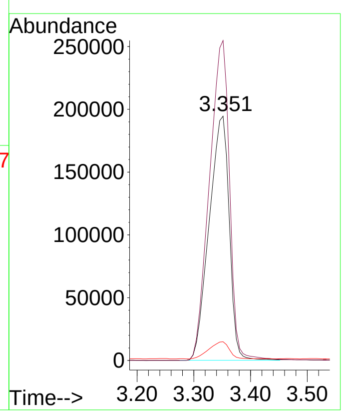


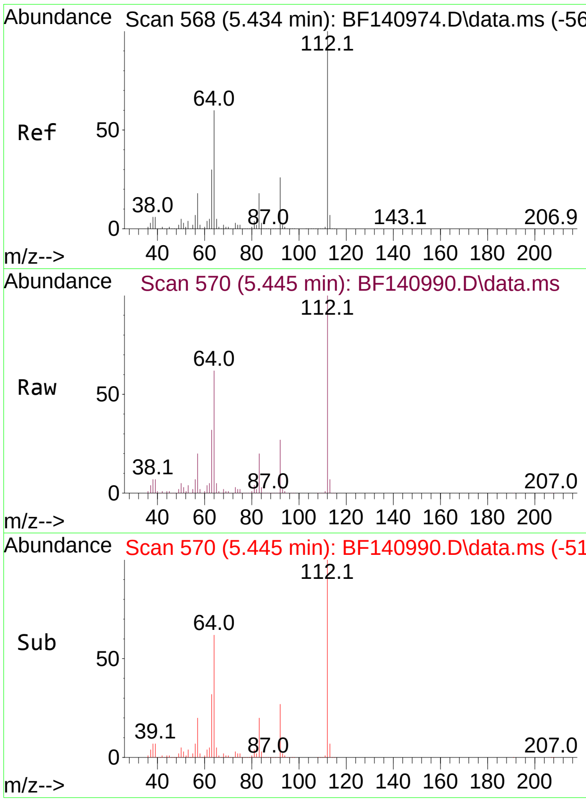


#4
n-Nitrosodimethylamine
Concen: 51.155 ng
RT: 3.351 min Scan# 214
Delta R.T. 0.112 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Tgt Ion: 42 Resp: 478844

Ion	Ratio	Lower	Upper
42	100		
74	130.9	105.8	158.6
44	7.6	6.6	10.0





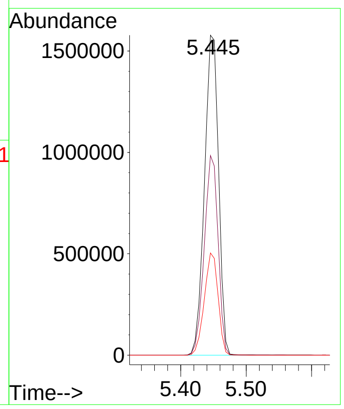
#5
2-Fluorophenol
Concen: 141.986 ng
RT: 5.445 min Scan# 5
Delta R.T. 0.012 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

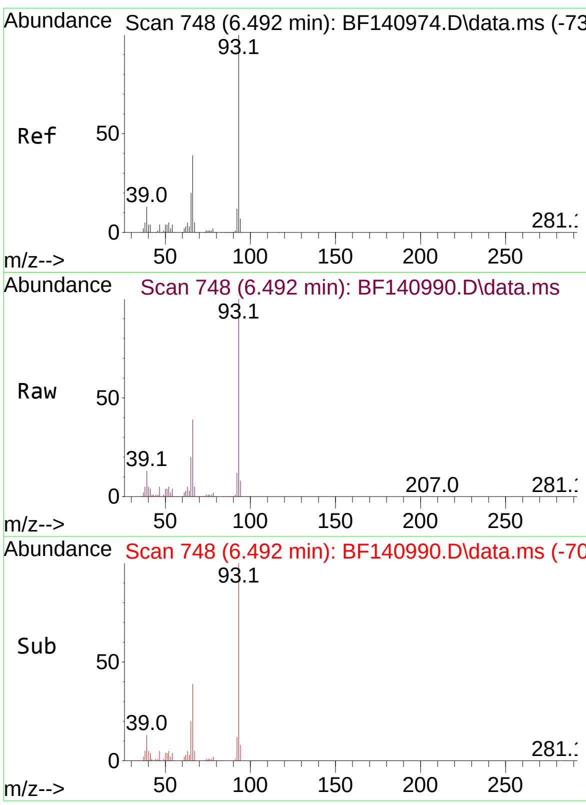
Tgt Ion:112 Resp: 237087

Ion	Ratio	Lower	Upper
112	100		
64	62.4	47.7	71.5
63	32.0	24.2	36.2

Instrument :
BNA_F
ClientSampleId :
PB165814BS

Manual Integrations
APPROVED
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

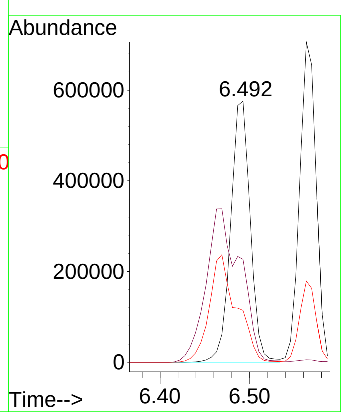




#6
Aniline
Concen: 45.580 ng
RT: 6.492 min Scan# 748
Delta R.T. -0.018 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Tgt Ion: 93 Resp: 874426

Ion	Ratio	Lower	Upper
93	100		
66	39.4	31.8	47.8
65	19.8	15.4	23.0

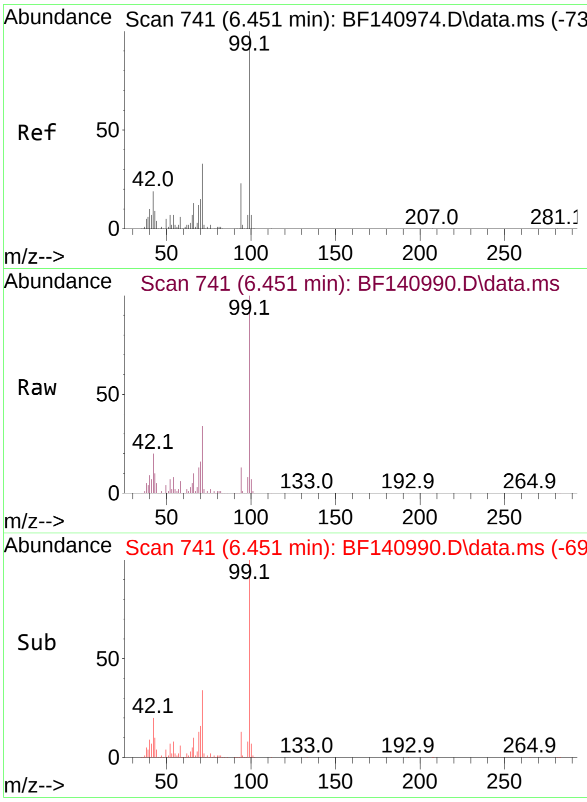


Sample Results: **BF140990.D**

Instrument :
BNA_F
ClientSampleId :
PB165814BS

Manual Integrations APPROVED

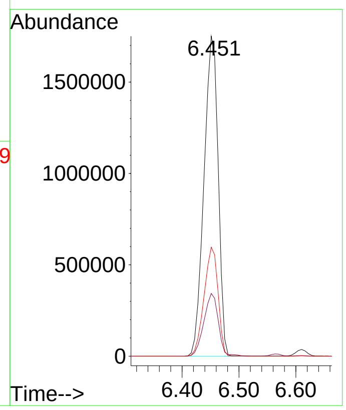
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

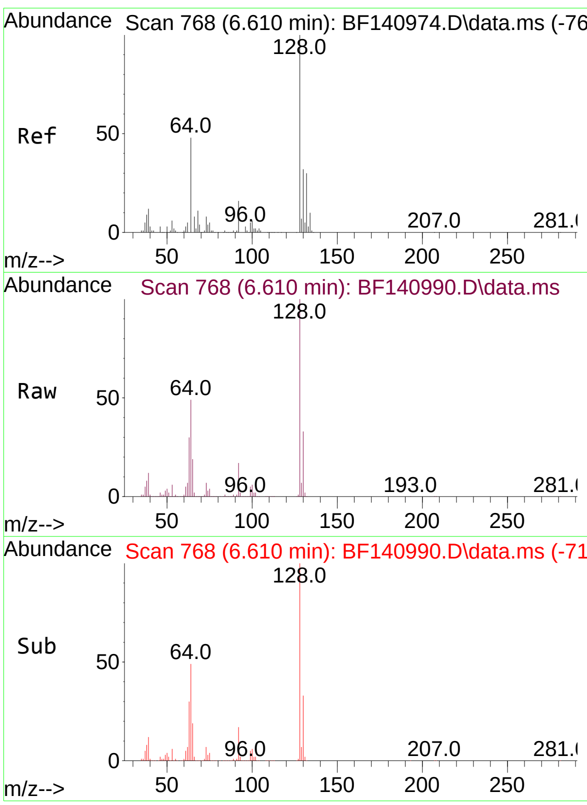


#7
Phenol-d6
Concen: 141.145 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Tgt Ion: 99 Resp: 3036111

Ion	Ratio	Lower	Upper
99	100		
42	19.6	15.0	22.4
71	34.1	26.2	39.2

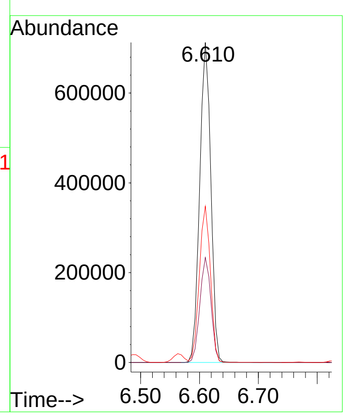




#8
2-Chlorophenol
Concen: 53.341 ng
RT: 6.610 min Scan# 768
Delta R.T. -0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Tgt Ion:128 Resp: 939055

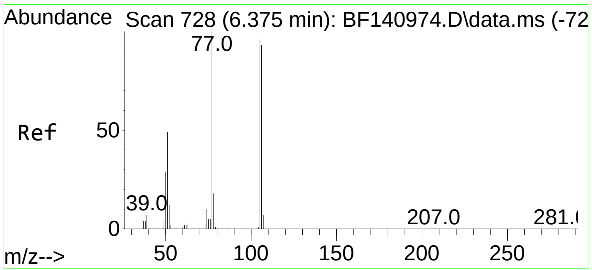
Ion	Ratio	Lower	Upper
128	100		
130	32.8	12.2	52.2
64	48.8	30.3	70.3

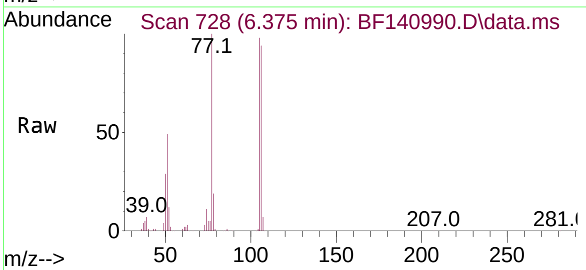


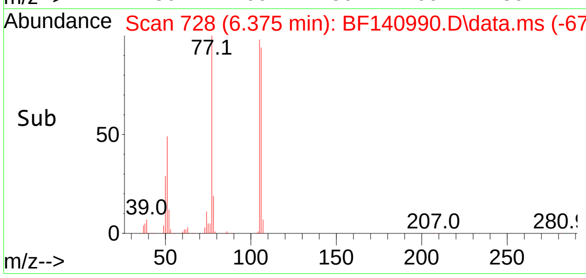
Instrument :
BNA_F
ClientSampleId :
PB165814BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



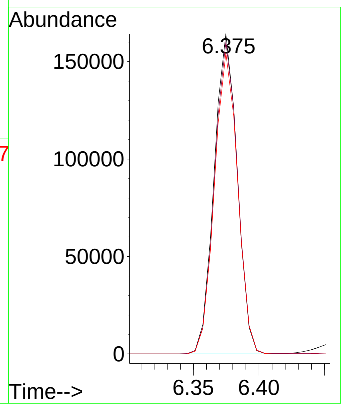


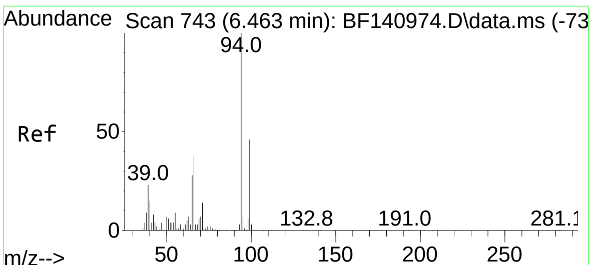


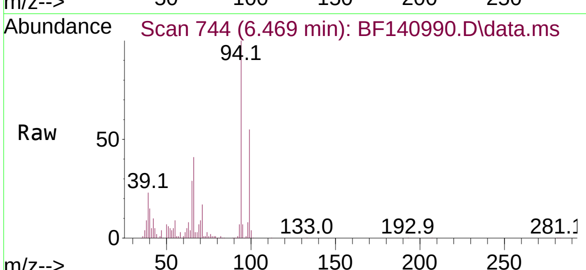
#9
Benzaldehyde
Concen: 13.650 ng
RT: 6.375 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

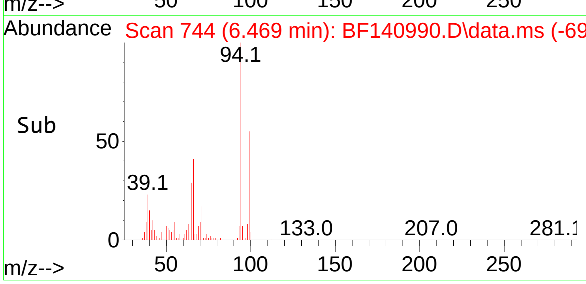
Tgt Ion: 77 Resp: 20886

Ion	Ratio	Lower	Upper
77	100		
105	97.6	76.2	116.2
106	94.1	73.4	113.4





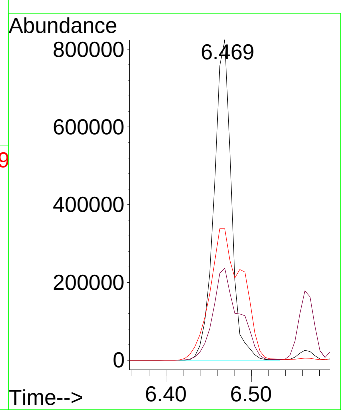


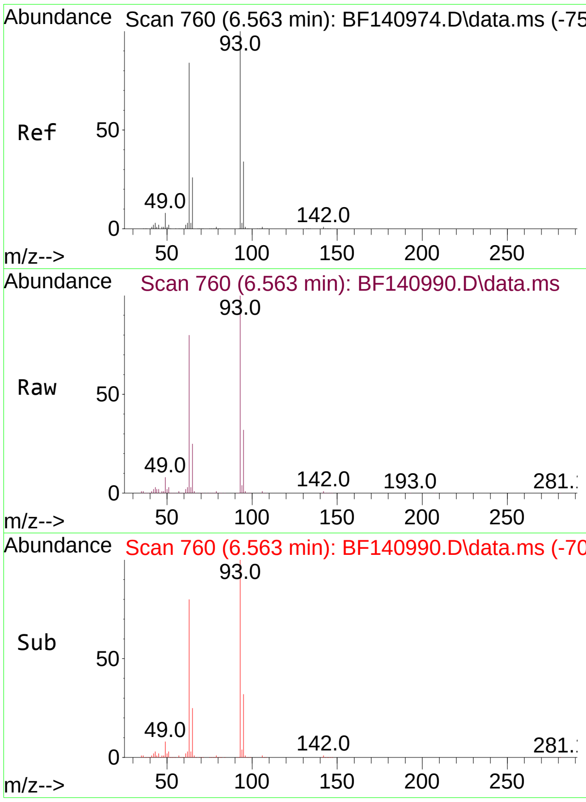


#10
Phenol
Concen: 52.678 ng
RT: 6.469 min Scan# 744
Delta R.T. 0.006 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Tgt Ion: 94 Resp: 1171693

Ion	Ratio	Lower	Upper
94	100		
65	28.8	8.1	48.1
66	41.1	18.7	58.7





#11
bis(2-Chloroethyl)ether
Concen: 50.243 ng
RT: 6.563 min Scan# 7
Delta R.T. -0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

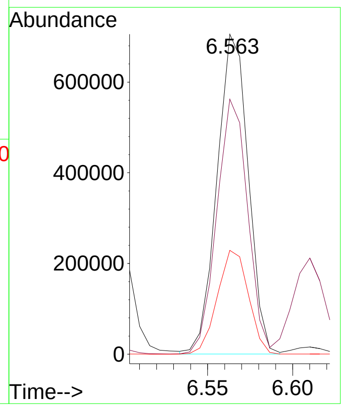
Instrument :
BNA_F
ClientSampleId :
PB165814BS

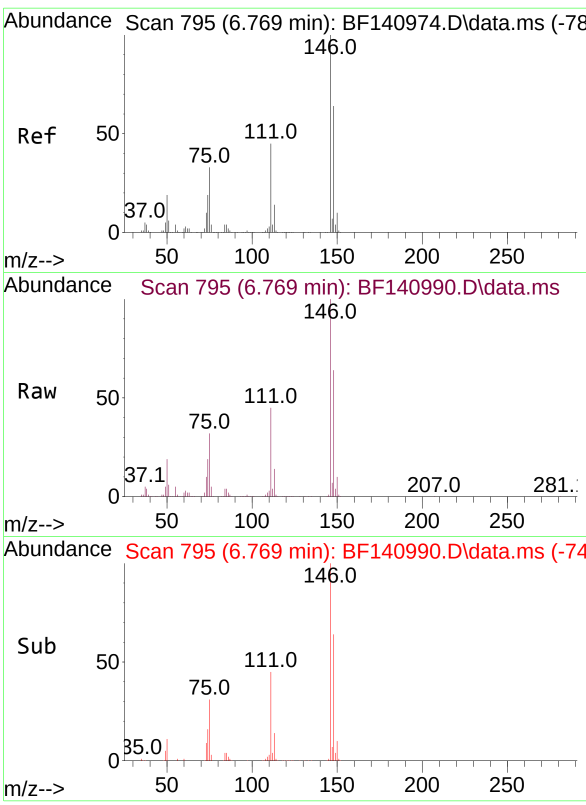
Tgt Ion: 93 Resp: 90233

Ion	Ratio	Lower	Upper
93	100		
63	79.7	60.3	100.3
95	32.5	12.2	52.2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

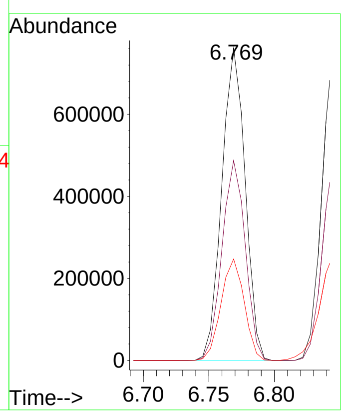




#12
1,3-Dichlorobenzene
Concen: 48.577 ng
RT: 6.769 min Scan# 795
Delta R.T. -0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Tgt Ion:146 Resp: 943804

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.0	76.4
75	32.5	26.1	39.1



Instrument :
BNA_F
ClientSampleId :
PB165814BS

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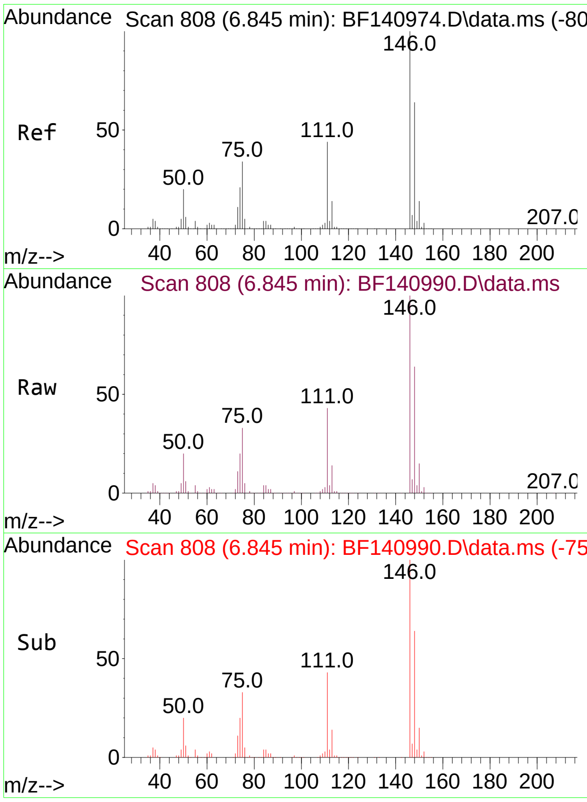
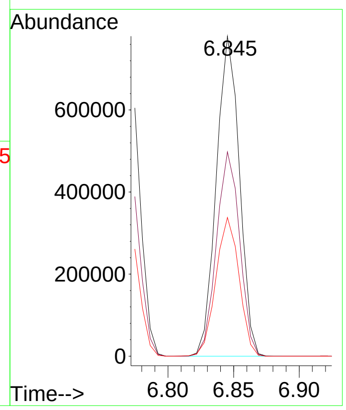
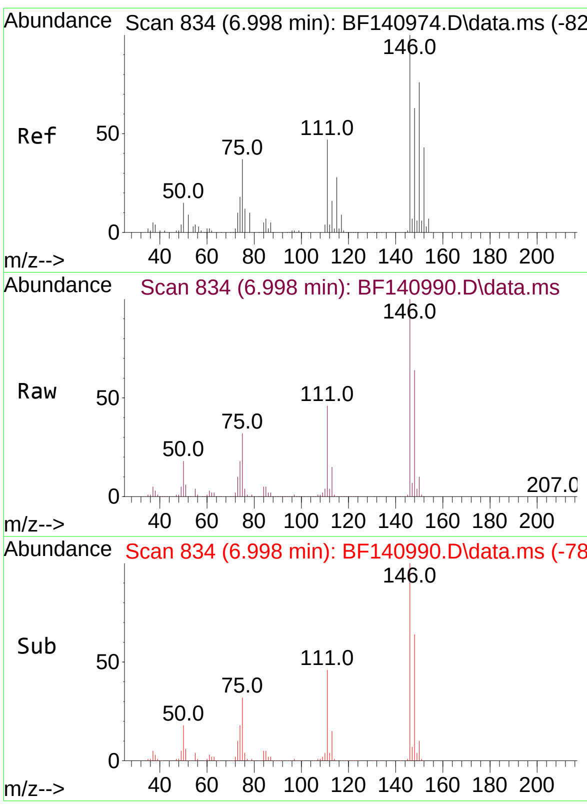


#13
1,4-Dichlorobenzene
Concen: 48.736 ng
RT: 6.845 min Scan# 8(
Delta R.T. -0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Tgt Ion:146 Resp: 954534

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.3	76.9
111	43.4	35.3	52.9

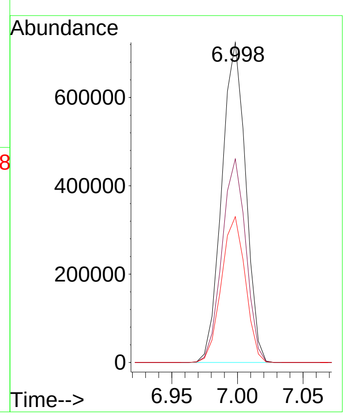


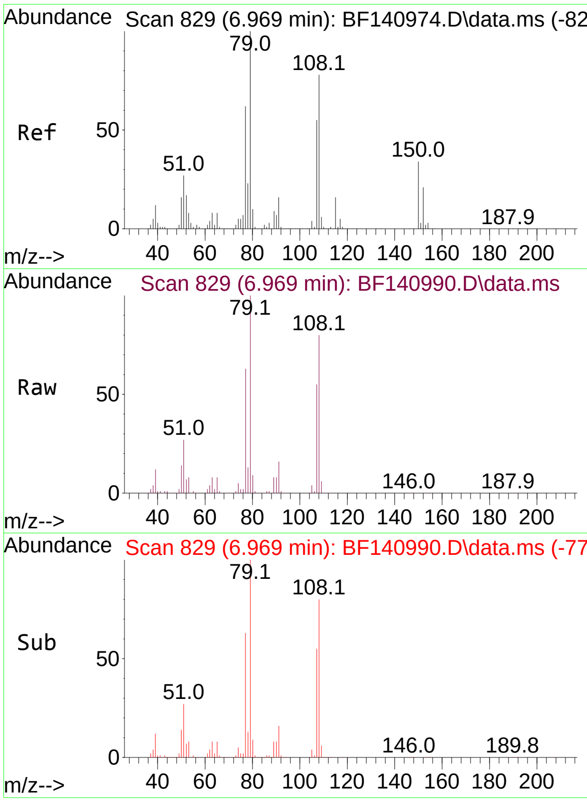


#14
1,2-Dichlorobenzene
Concen: 50.235 ng
RT: 6.998 min Scan# 834
Delta R.T. -0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Tgt Ion:146 Resp: 917350

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.6	76.0
111	45.5	37.3	55.9





#15
Benzyl Alcohol
Concen: 52.689 ng
RT: 6.969 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Instrument :
BNA_F
ClientSampleId :
PB165814BS

Tgt Ion: 79 Resp: 81445

Ion	Ratio	Lower	Upper
79	100		
108	79.6	62.5	93.7
77	62.6	49.3	73.9

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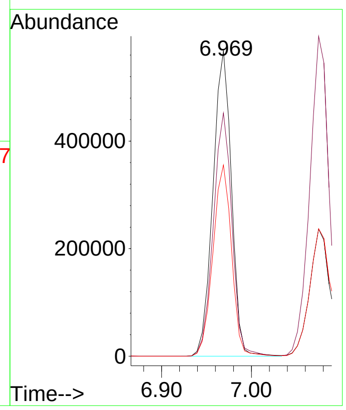
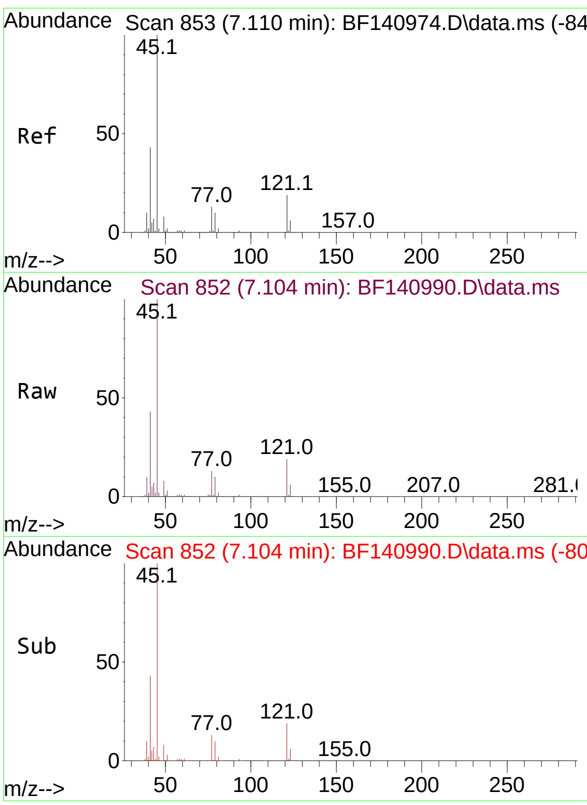
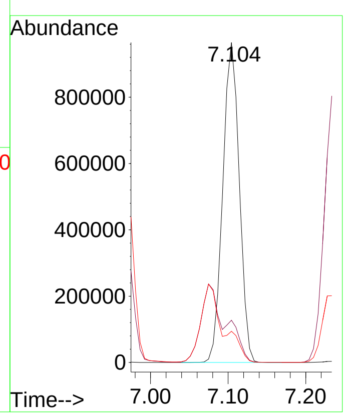




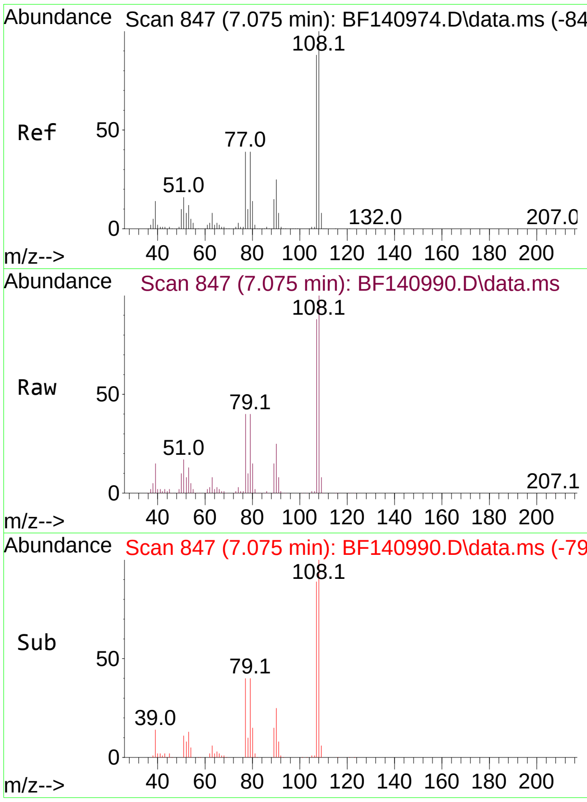
#16
2,2'-oxybis(1-Chloropropane)
Concen: 52.757 ng
RT: 7.104 min Scan# 852
Delta R.T. -0.006 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Tgt Ion: 45 Resp: 1432863

Ion	Ratio	Lower	Upper
45	100		
77	13.2	0.0	33.1
79	9.8	0.0	30.1

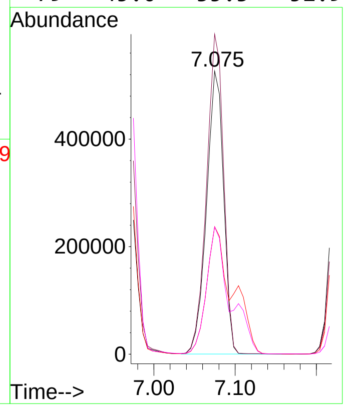


Sample Results: **BF140990.D**




```
#17
2-Methylphenol
Concen:   52.320 ng
RT:   7.075 min   Scan# 84
Delta R.T.   -0.000 min
Lab File:   BF140990.D
Acq: 27 Dec 2024   12:14

Tgt Ion:107 Resp:   76521
Ion  Ratio  Lower  Upper
107  100
108  113.1   90.6  136.0
 77   45.0   35.3   52.9
 79   45.0   35.3   52.9
```



Instrument :
BNA_F
ClientSampleId :
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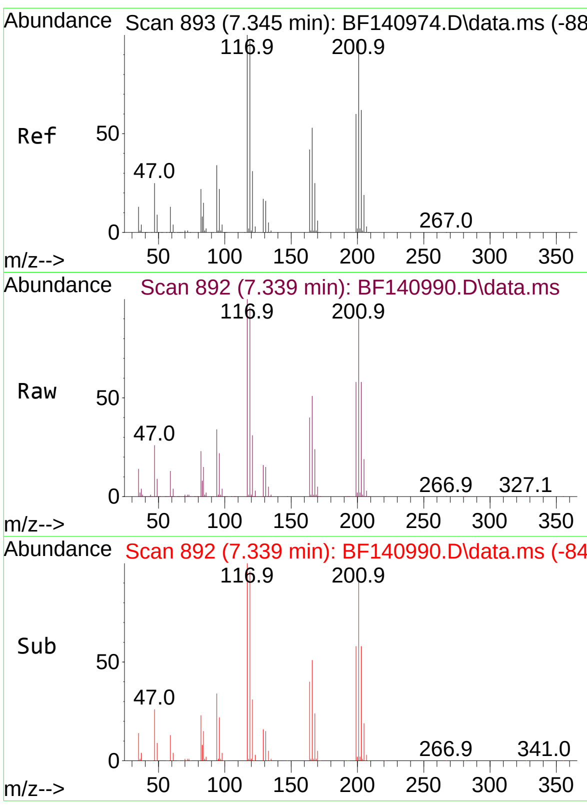
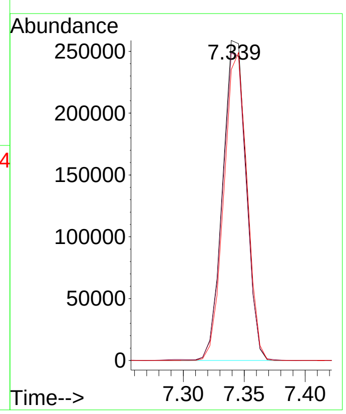



```
#18
Hexachloroethane
Concen:   50.044 ng
RT:   7.339 min   Scan# 892
Delta R.T.   -0.006 min
Lab File:   BF140990.D
Acq: 27 Dec 2024   12:14

Tgt Ion:117 Resp:   348187
Ion  Ratio  Lower  Upper
117  100
119   96.0   77.5  116.3
201   90.9   77.4  116.2
```



Instrument : BNA_F
ClientSampleId : PB165814BS

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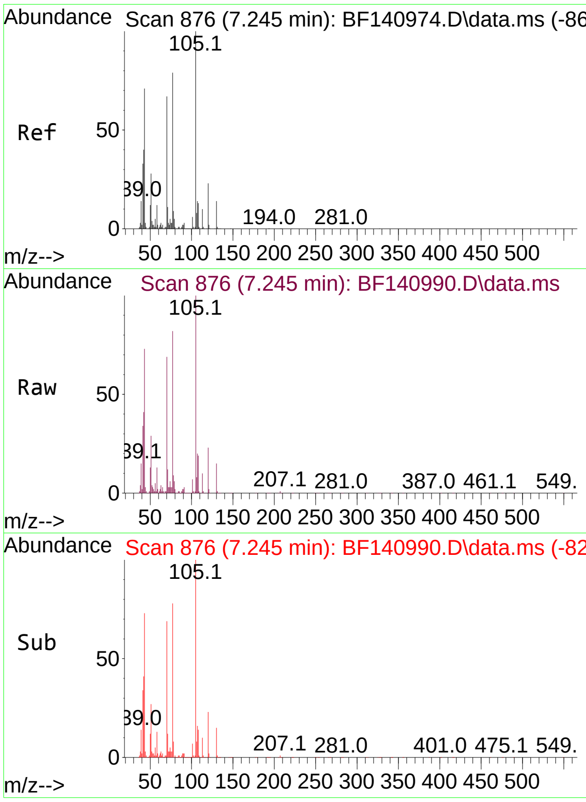
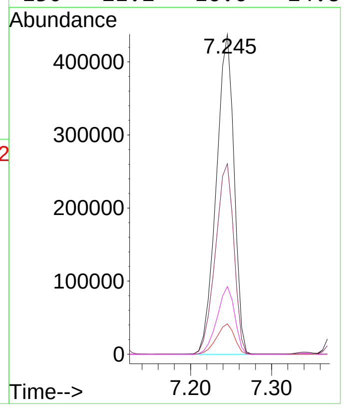
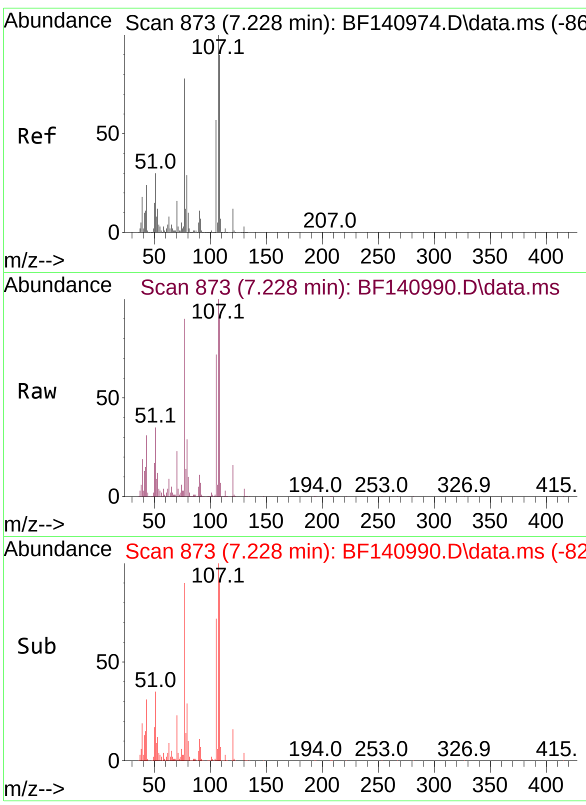


#19
n-Nitroso-di-n-propylamine
Concen: 50.833 ng
RT: 7.245 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Tgt Ion: 70 Resp: 66987

Ion	Ratio	Lower	Upper
70	100		
42	59.6	48.1	72.1
101	9.5	7.6	11.4
130	21.2	16.6	24.8

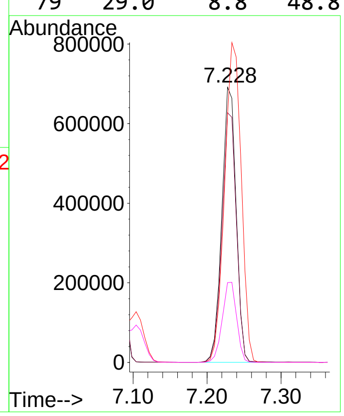


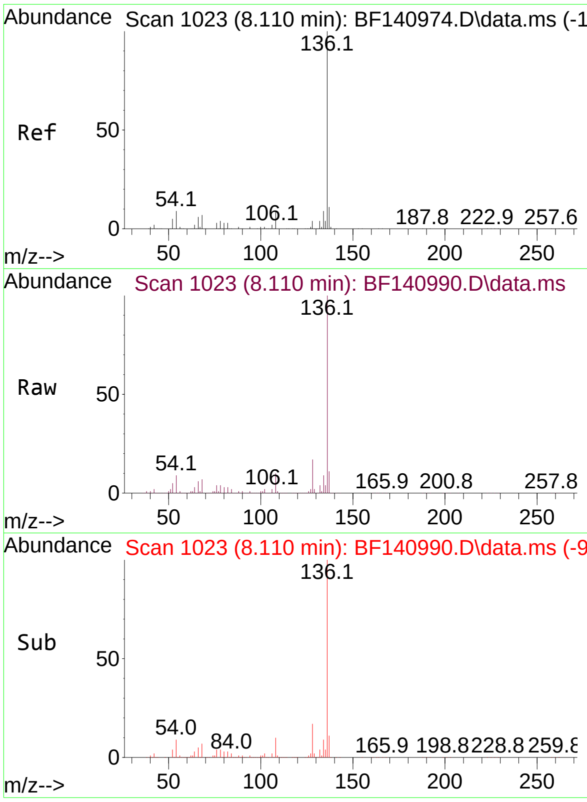


#20
3+4-Methylphenols
Concen: 50.126 ng
RT: 7.228 min Scan# 873
Delta R.T. -0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Tgt Ion:107 Resp: 927748

Ion	Ratio	Lower	Upper
107	100		
108	90.8	69.6	109.6
77	90.2	57.6	97.6
79	29.0	8.8	48.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Instrument :
BNA_F
ClientSampleId :
PB165814BS

Tgt Ion:136 Resp: 102434!

Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.4
54	9.1	7.6	11.4
68	6.7	5.6	8.4

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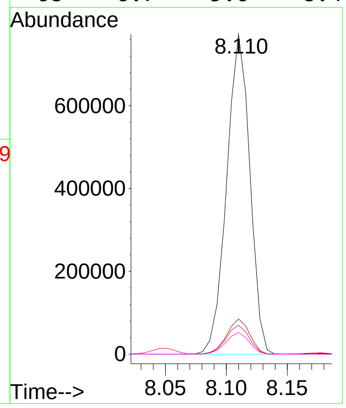
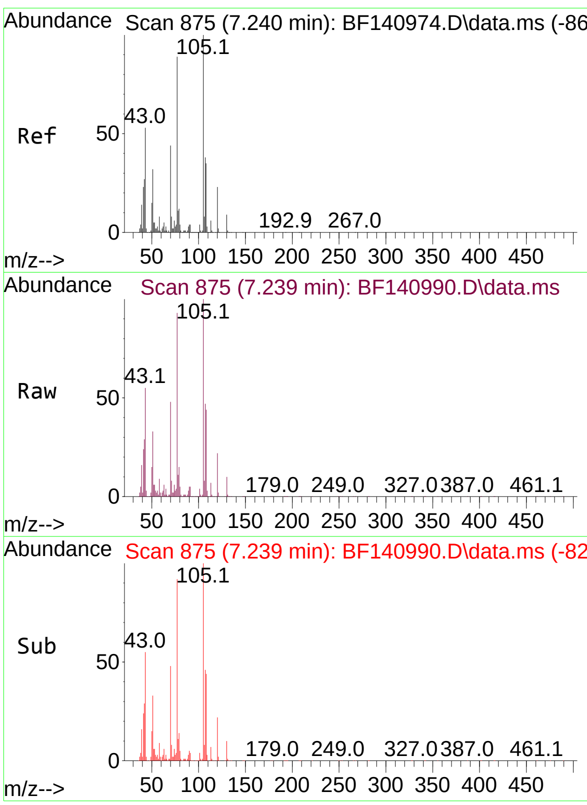
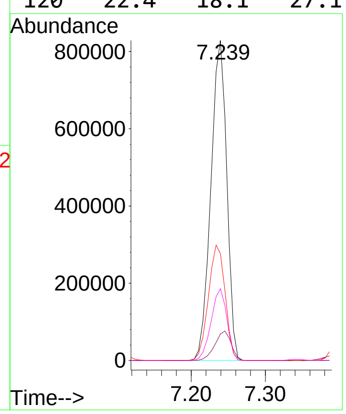


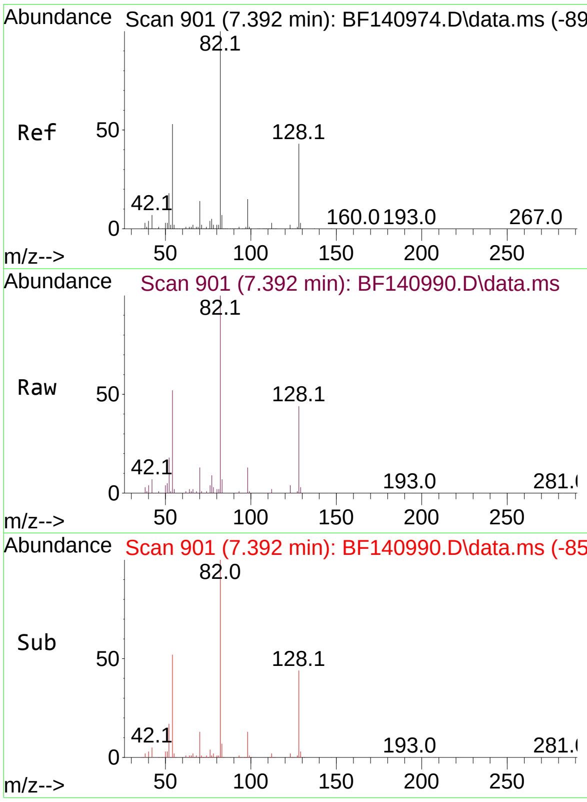


#22
Acetophenone
Concen: 49.077 ng
RT: 7.239 min Scan# 875
Delta R.T. -0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Tgt Ion:105 Resp: 1233234

Ion	Ratio	Lower	Upper
105	100		
71	8.2	6.1	9.1
51	33.4	25.8	38.6
120	22.4	18.1	27.1





#23
Nitrobenzene-d5
Concen: 117.326 ng
RT: 7.392 min Scan# 9(
Delta R.T. -0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Instrument :
BNA_F
ClientSampleId :
PB165814BS

Tgt Ion: 82 Resp: 187850(

Ion	Ratio	Lower	Upper
82	100		
128	43.8	34.4	51.6
54	52.3	42.4	63.6

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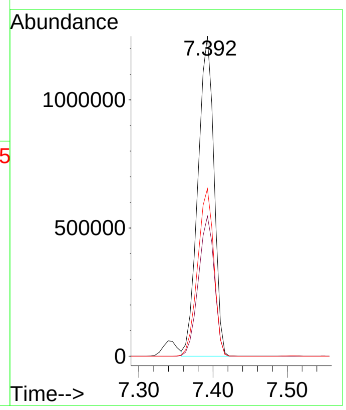
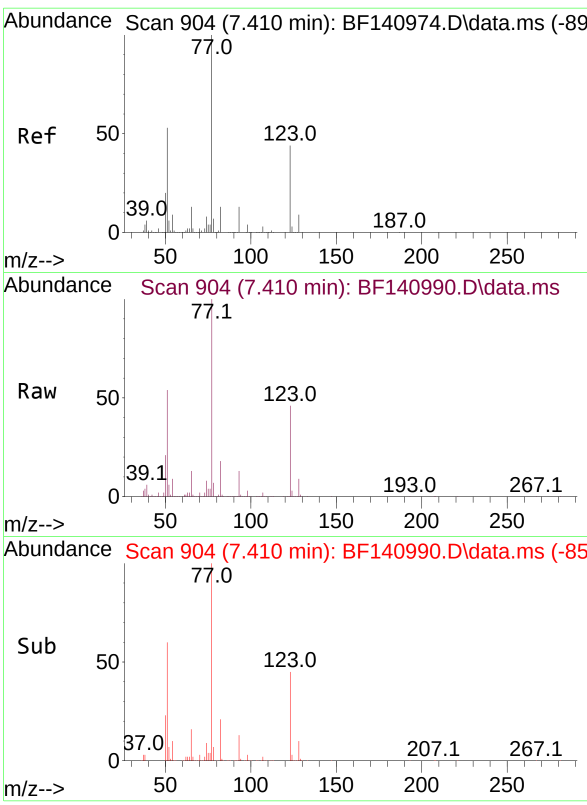
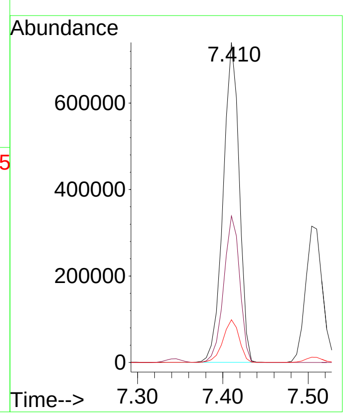




#24
Nitrobenzene
Concen: 54.125 ng
RT: 7.410 min Scan# 904
Delta R.T. -0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Tgt Ion: 77 Resp: 968330

Ion	Ratio	Lower	Upper
77	100		
123	45.8	35.4	53.2
65	13.4	10.7	16.1



Instrument :
BNA_F
ClientSampleId :
PB165814BS

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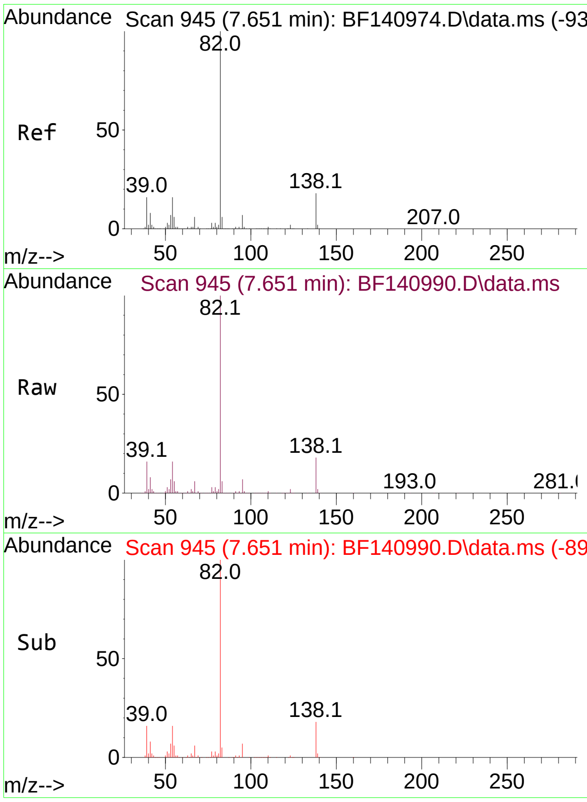
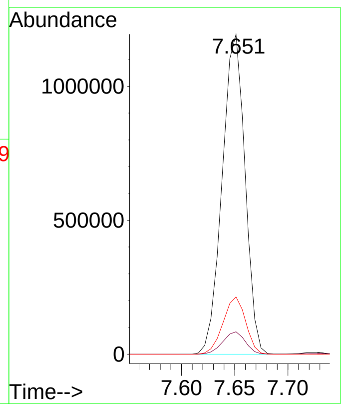
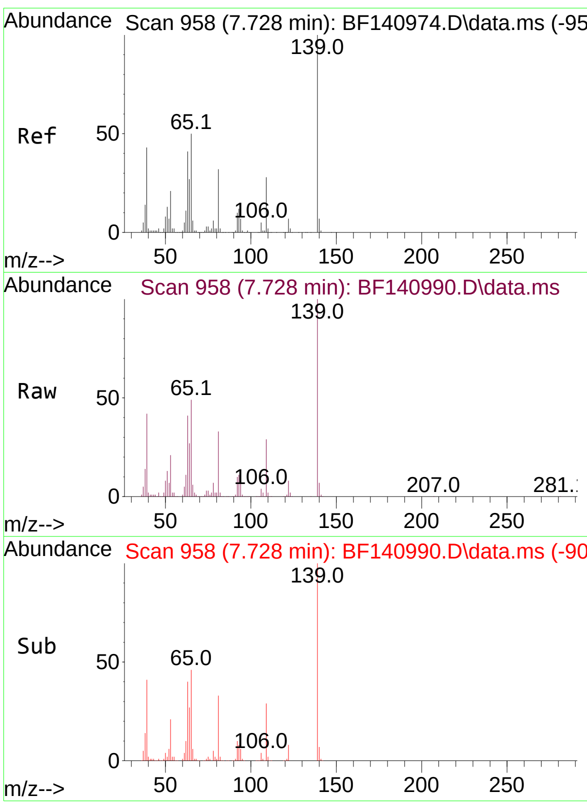


#25
Isophorone
Concen: 51.218 ng
RT: 7.651 min Scan# 94
Delta R.T. -0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Tgt Ion: 82 Resp: 178447

Ion	Ratio	Lower	Upper
82	100		
95	7.0	5.6	8.4
138	17.9	14.6	21.8

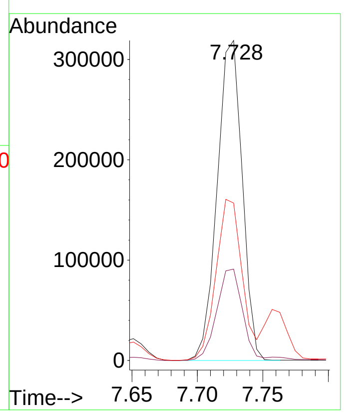




#26
2-Nitrophenol
Concen: 56.791 ng
RT: 7.728 min Scan# 958
Delta R.T. -0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Tgt Ion:139 Resp: 424376

Ion	Ratio	Lower	Upper
139	100		
109	28.5	22.2	33.4
65	49.2	40.2	60.4



Instrument :
BNA_F
ClientSampleId :
PB165814BS

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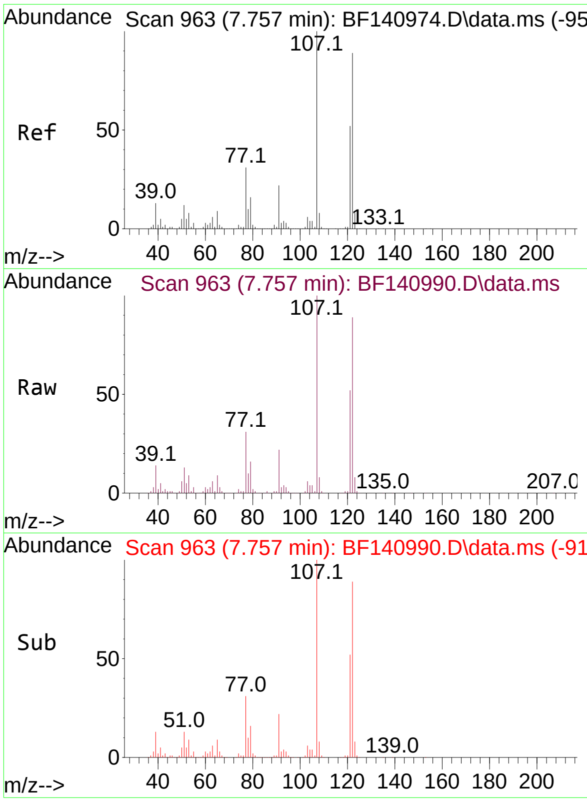
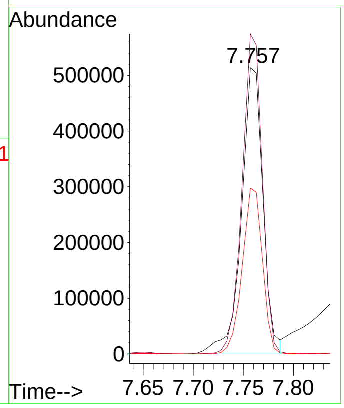
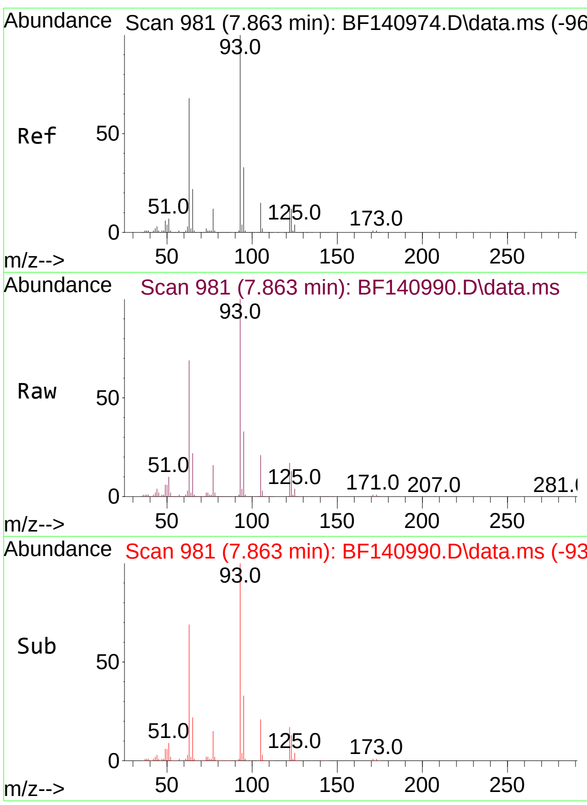



```
#27
2,4-Dimethylphenol
Concen:   60.473 ng
RT:    7.757 min   Scan# 9
Delta R.T.   -0.000 min
Lab File:    BF140990.D
Acq: 27 Dec 2024   12:14

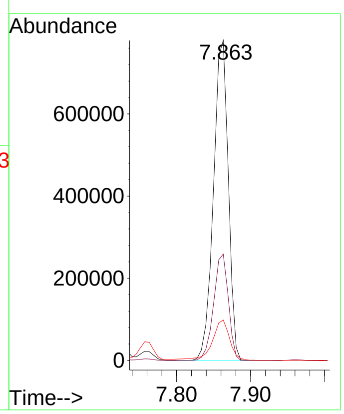
Tgt Ion:122 Resp:  77001
Ion   Ratio   Lower   Upper
122   100
107   111.8    89.4   134.2
121    57.9    46.7    70.1
```

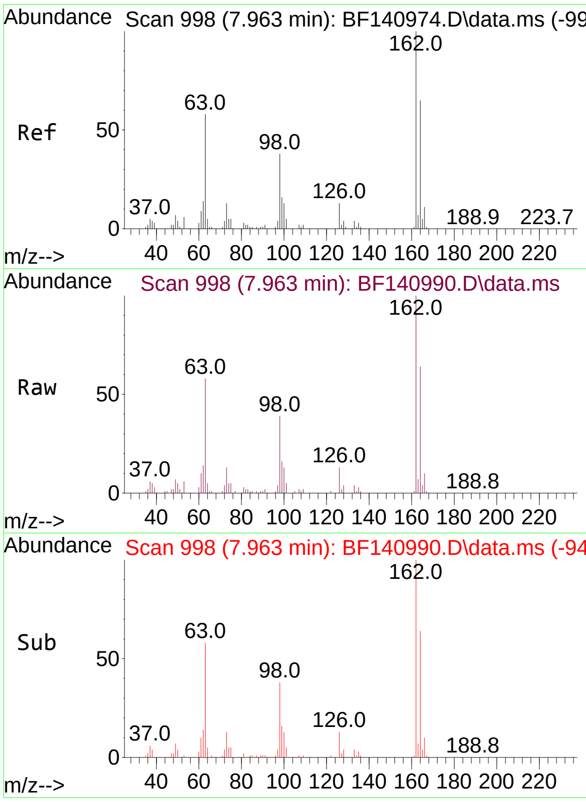





```
#28
bis(2-Chloroethoxy)methane
Concen:   49.054 ng
RT:    7.863 min   Scan# 981
Delta R.T.   -0.000 min
Lab File:    BF140990.D
Acq: 27 Dec 2024   12:14

Tgt Ion: 93 Resp: 1082836
Ion   Ratio   Lower   Upper
 93   100
 95    33.2    26.2    39.4
123    12.7     9.9    14.9
```





#29
2,4-Dichlorophenol
Concen: 51.859 ng
RT: 7.963 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Instrument :
BNA_F
ClientSampleId :
PB165814BS

Tgt Ion:162 Resp: 74891

Ion	Ratio	Lower	Upper
162	100		
164	64.2	44.8	84.8
98	38.6	18.6	58.6

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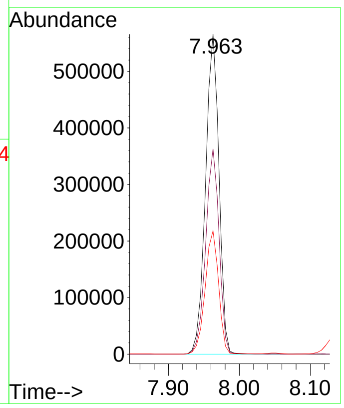
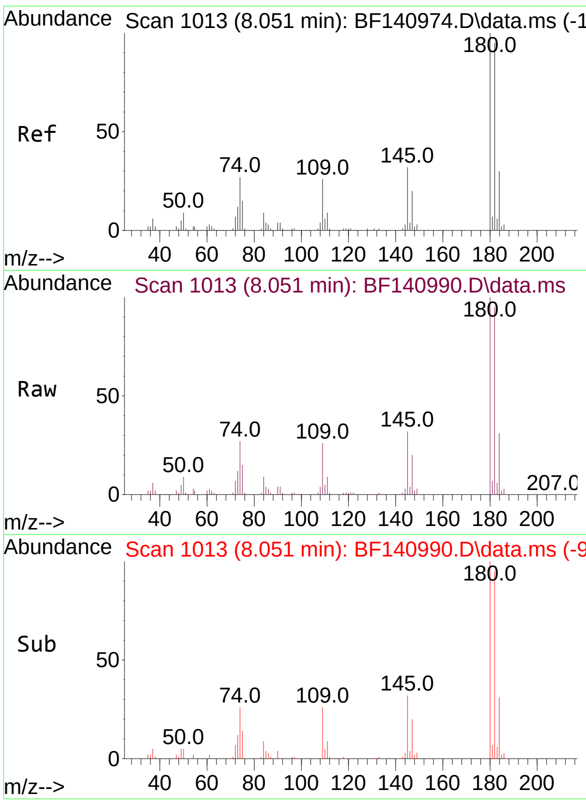
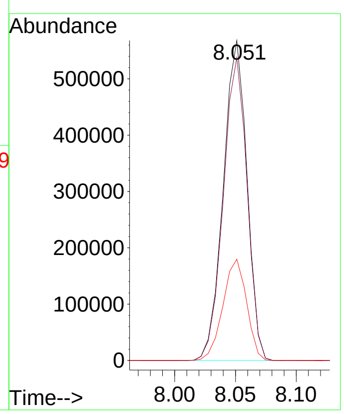


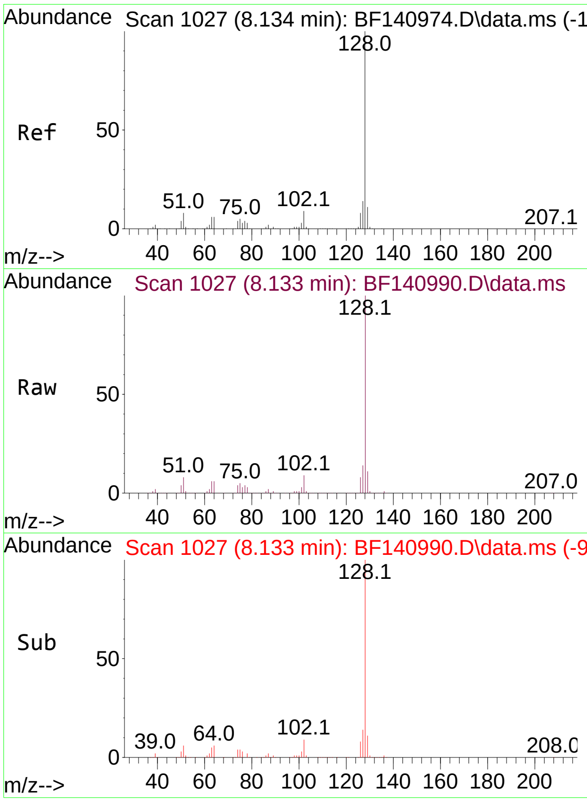


#30
1,2,4-Trichlorobenzene
Concen: 47.154 ng
RT: 8.051 min Scan# 1013
Delta R.T. -0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Tgt Ion:180 Resp: 770747

Ion	Ratio	Lower	Upper
180	100		
182	94.6	76.2	114.4
145	31.7	25.4	38.2





#31
Naphthalene
Concen: 48.485 ng
RT: 8.133 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Instrument :
BNA_F
ClientSampleId :
PB165814BS

Tgt Ion:128 Resp: 261706

Ion	Ratio	Lower	Upper
128	100		
129	11.5	9.2	13.8
127	13.5	11.0	16.4

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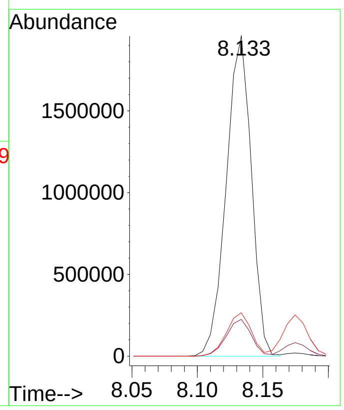
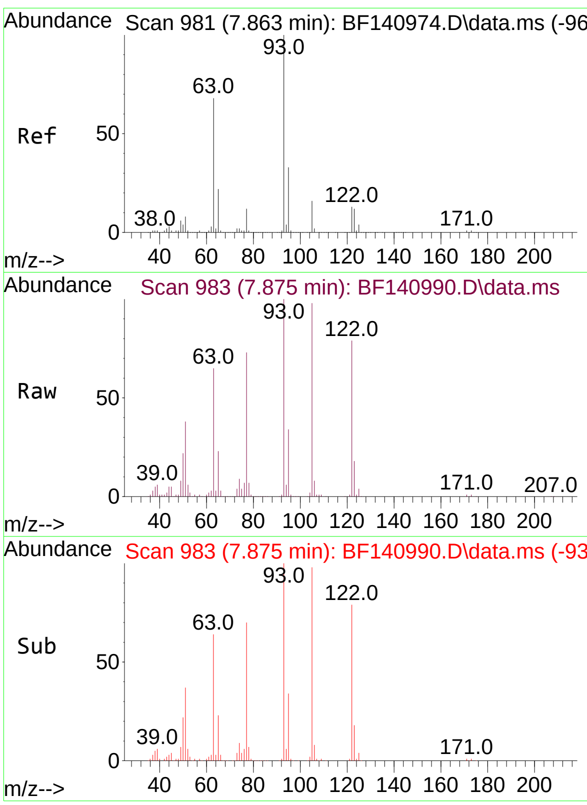
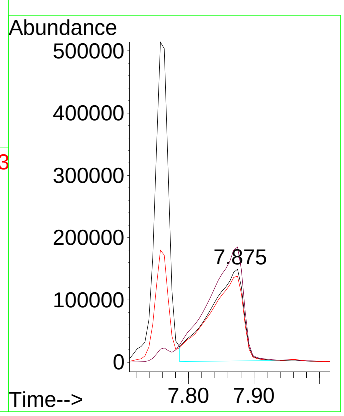




#32
Benzoic acid
Concen: 50.041 ng
RT: 7.875 min Scan# 983
Delta R.T. 0.012 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Tgt Ion:122 Resp: 528449

Ion	Ratio	Lower	Upper
122	100		
105	123.8	105.4	145.4
77	92.6	76.4	116.4



Instrument :
BNA_F
ClientSampleId :
PB165814BS

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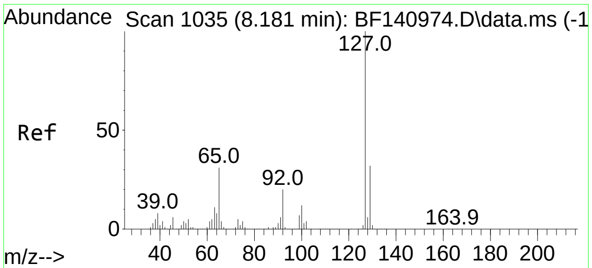
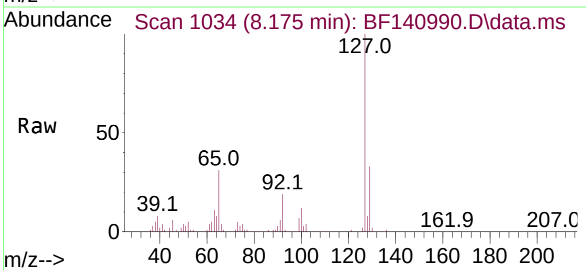
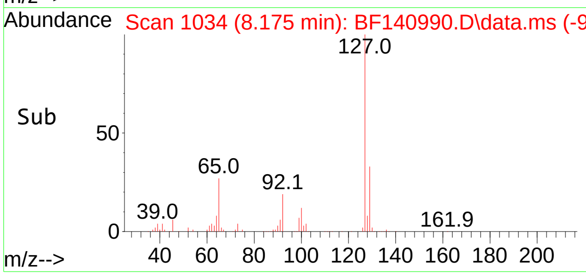
Supervised By :mohammad ahmed 12/30/2024



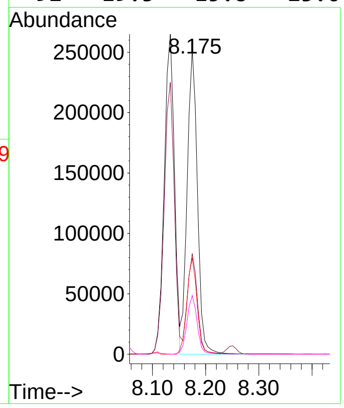


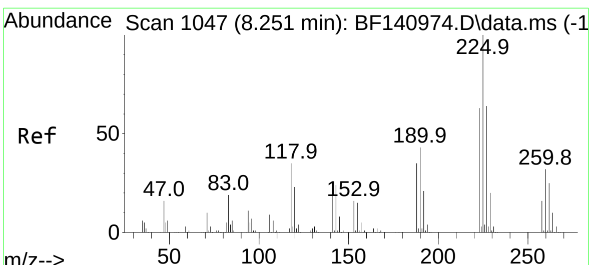


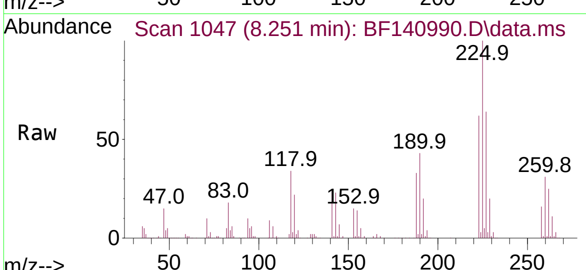
#33
4-Chloroaniline
Concen: 17.362 ng
RT: 8.175 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

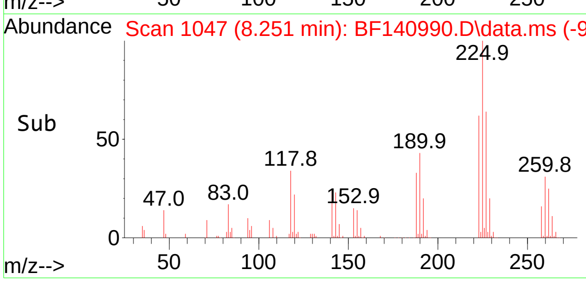
Tgt Ion:127 Resp: 33903

Ion	Ratio	Lower	Upper
127	100		
129	32.9	26.1	39.1
65	31.5	24.6	37.0
92	19.3	15.8	23.6





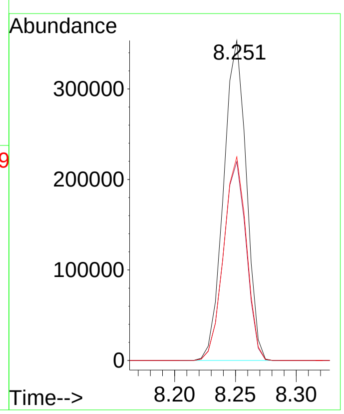




#34
Hexachlorobutadiene
Concen: 47.849 ng
RT: 8.251 min Scan# 1047
Delta R.T. -0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Tgt Ion:225 Resp: 461076

Ion	Ratio	Lower	Upper
225	100		
223	62.2	50.3	75.5
227	63.6	50.8	76.2



Instrument :
BNA_F
ClientSampleId :
PB165814BS

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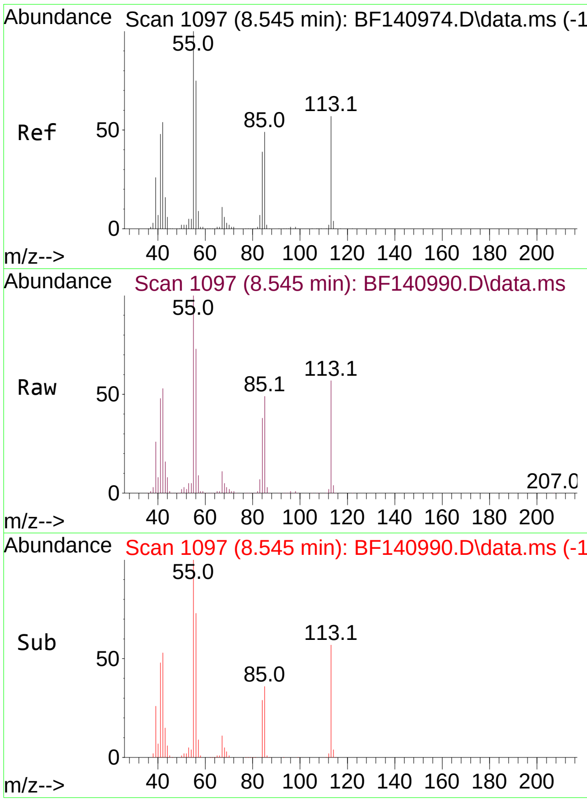
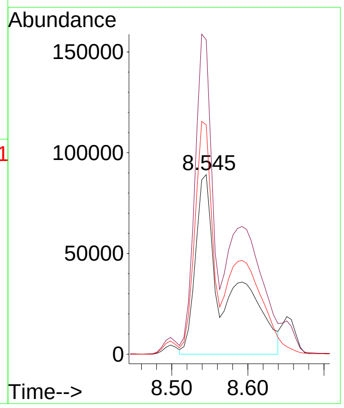
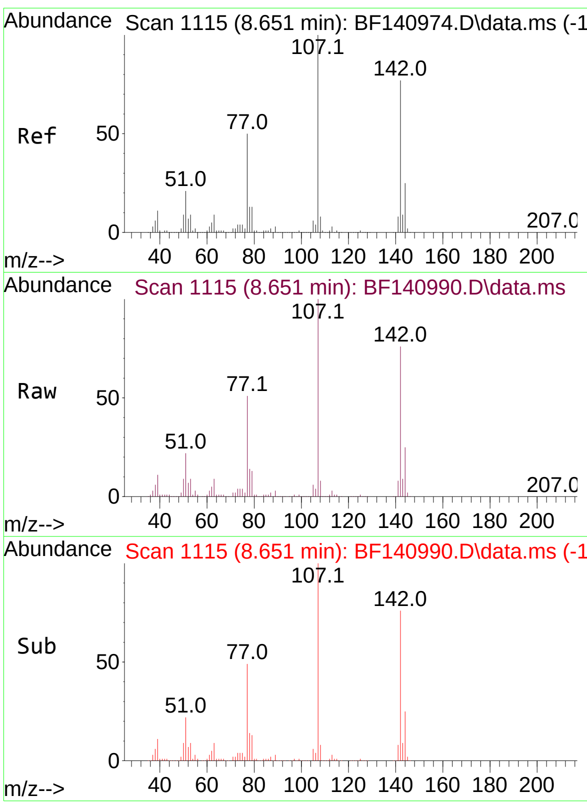


#35
Caprolactam
Concen: 52.120 ng m
RT: 8.545 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Tgt Ion:113 Resp: 25587

Ion	Ratio	Lower	Upper
113	100		
55	175.2	156.6	196.6
56	127.7	111.7	151.7

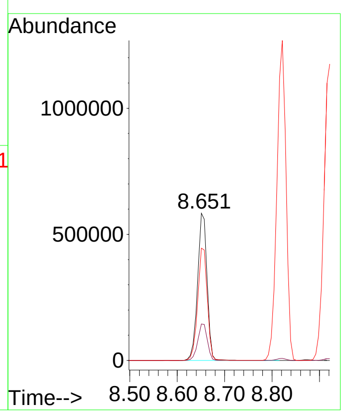


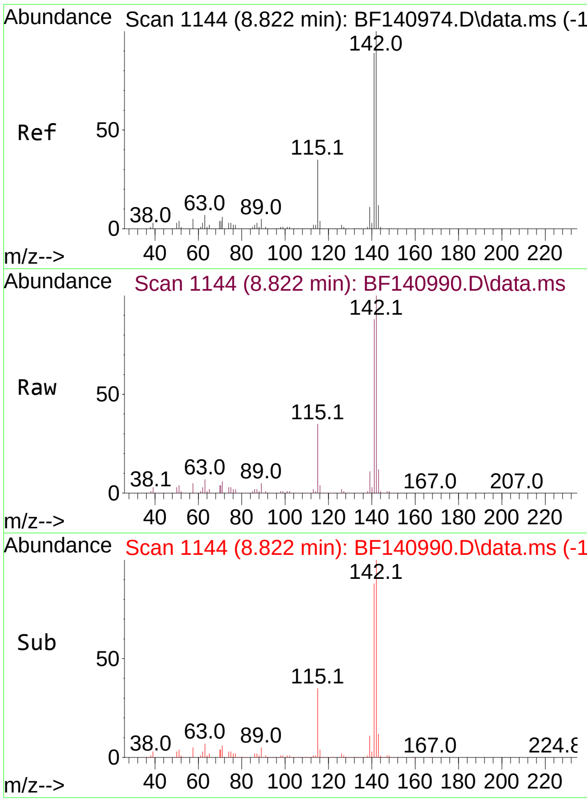


#36
4-Chloro-3-methylphenol
Concen: 50.768 ng
RT: 8.651 min Scan# 1115
Delta R.T. -0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Tgt Ion:107 Resp: 814204

Ion	Ratio	Lower	Upper
107	100		
144	24.8	19.9	29.9
142	76.3	61.8	92.8





#37
2-Methylnaphthalene
Concen: 49.275 ng
RT: 8.822 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Tgt Ion:142 Resp: 170150

Ion	Ratio	Lower	Upper
142	100		
141	88.3	71.1	106.7

Instrument :
BNA_F
ClientSampleId :
PB165814BS

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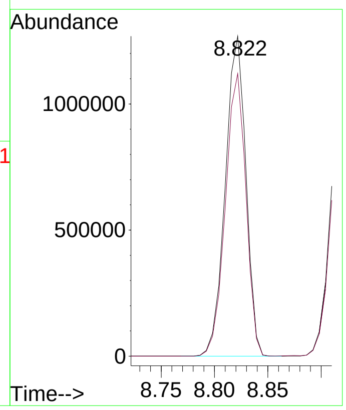
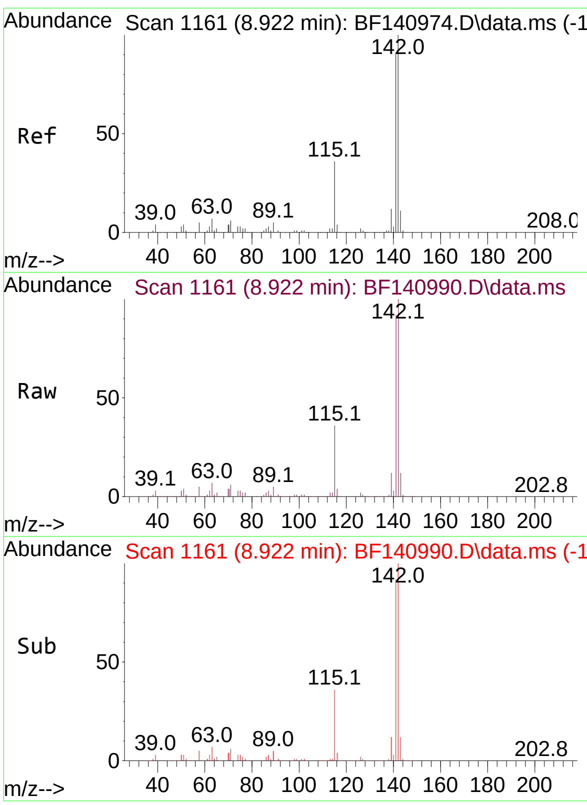
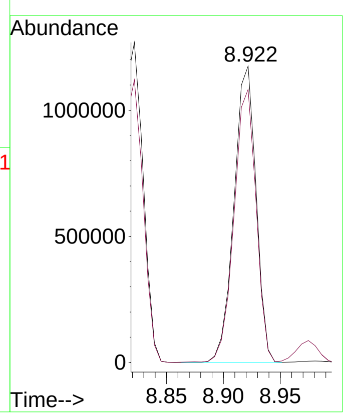


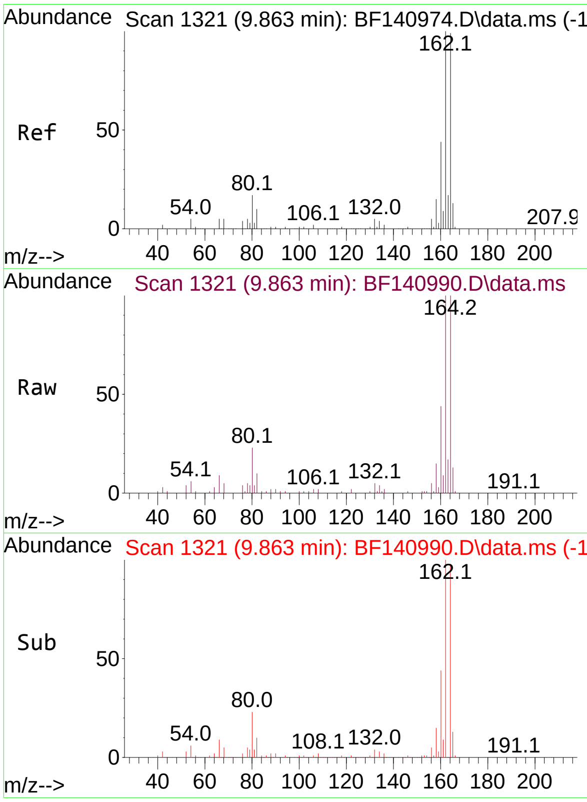


#38
1-Methylnaphthalene
Concen: 46.717 ng
RT: 8.922 min Scan# 1161
Delta R.T. -0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Tgt Ion:142 Resp: 1585416

Ion	Ratio	Lower	Upper
142	100		
141	92.1	72.7	109.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.863 min   Scan# 1
Delta R.T.   -0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024   12:14

Instrument :
BNA_F
ClientSampleId :
PB165814BS

Tgt Ion:164 Resp: 54114

Ion	Ratio	Lower	Upper
164	100		
162	100.4	80.6	120.8
160	44.6	35.7	53.5

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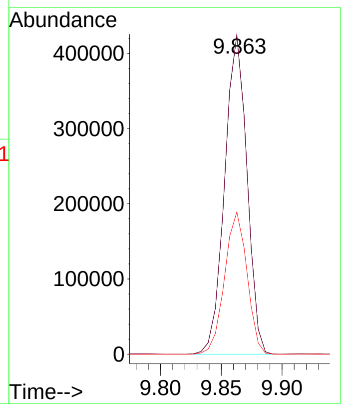
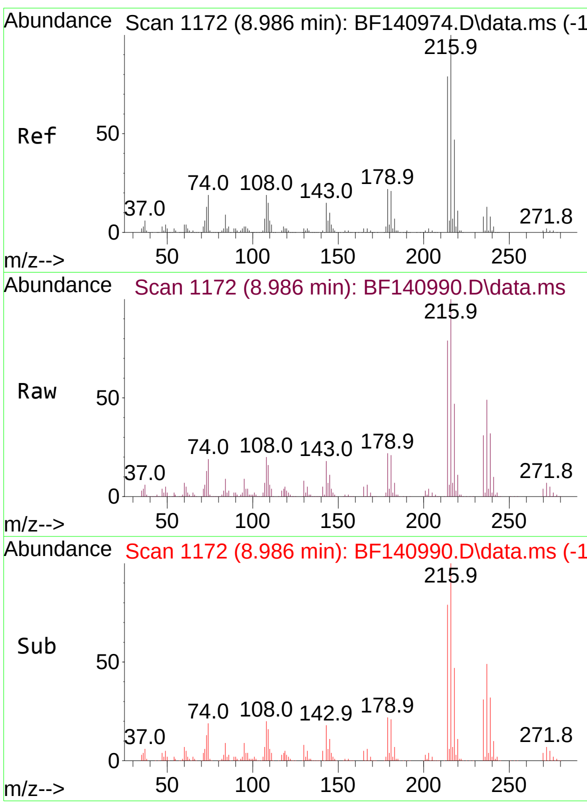
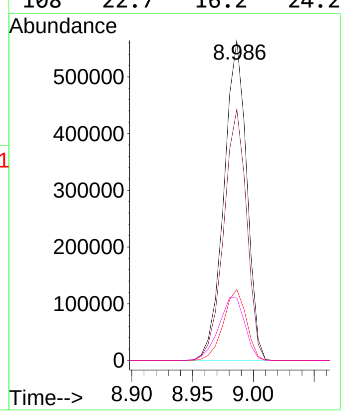


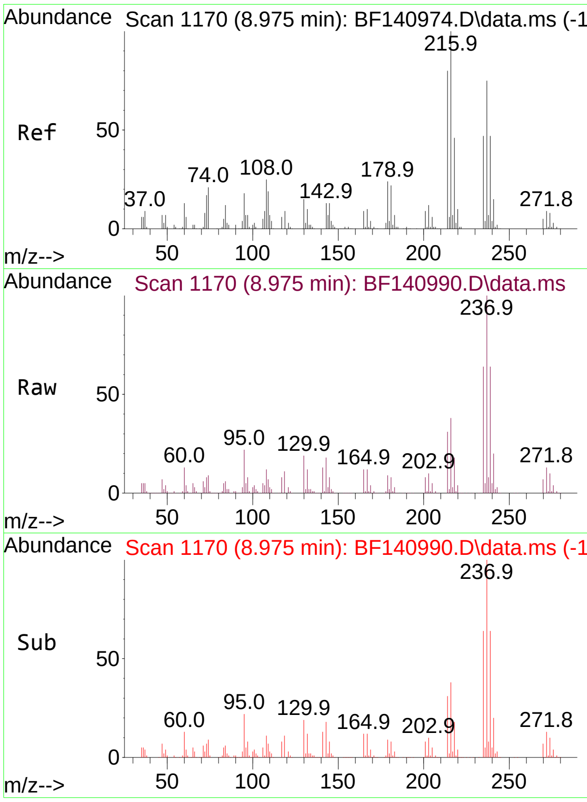


#40
1,2,4,5-Tetrachlorobenzene
Concen: 49.533 ng
RT: 8.986 min   Scan# 1172
Delta R.T.   -0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024   12:14

Tgt Ion:216 Resp: 737419

Ion	Ratio	Lower	Upper
216	100		
214	78.7	63.0	94.6
179	22.3	17.9	26.9
108	22.7	16.2	24.2





#41
Hexachlorocyclopentadiene
Concen: 181.823 ng
RT: 8.975 min Scan# 1170
Delta R.T. -0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Tgt Ion:237 Resp: 897031

Ion	Ratio	Lower	Upper
237	100		
235	63.5	43.4	83.4
272	13.0	0.0	32.6

Instrument :
BNA_F
ClientSampleId :
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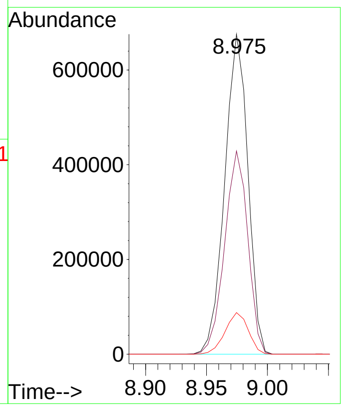
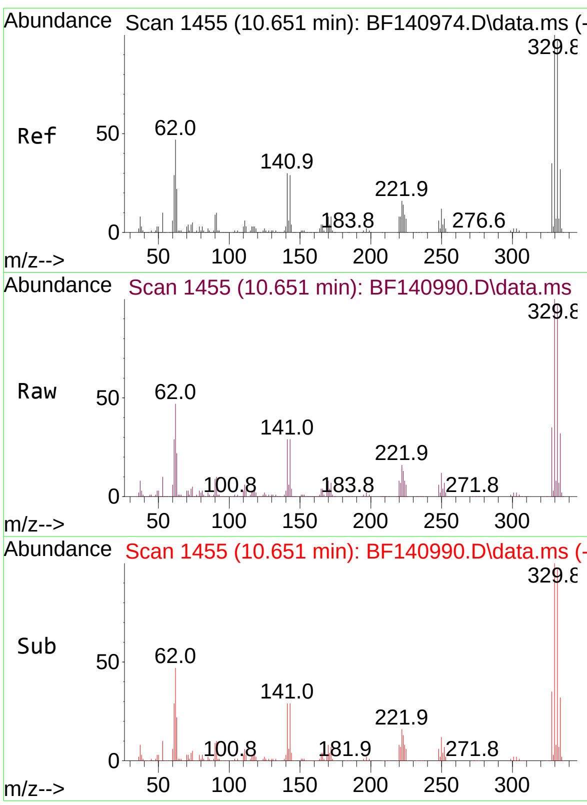
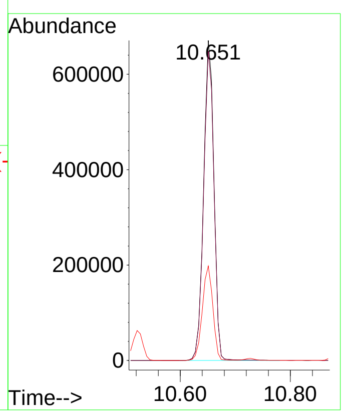


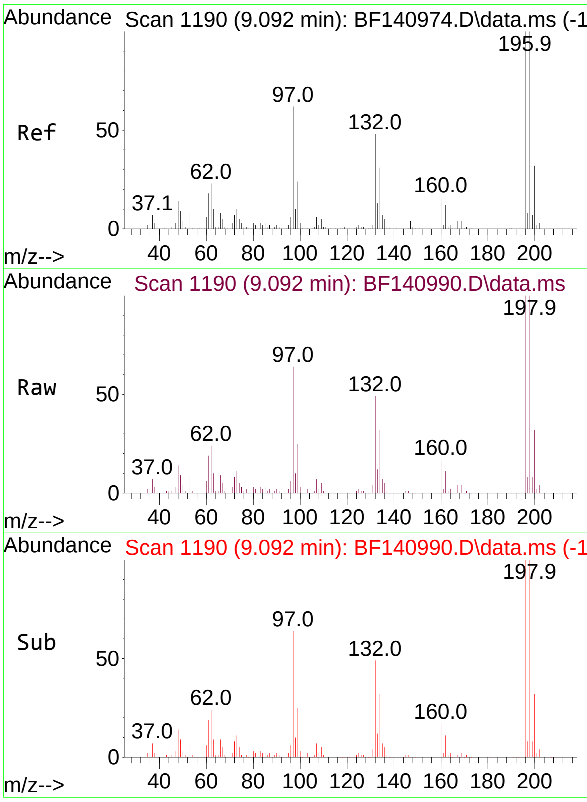


#42
2,4,6-Tribromophenol
Concen: 166.478 ng
RT: 10.651 min Scan# 1455
Delta R.T. -0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Tgt Ion:330 Resp: 875393

Ion	Ratio	Lower	Upper
330	100		
332	96.6	78.0	117.0
141	30.1	26.4	39.6





#43
2,4,6-Trichlorophenol
Concen: 55.070 ng
RT: 9.092 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Instrument :
BNA_F
ClientSampleId :
PB165814BS

Tgt Ion:196 Resp: 54565

Ion	Ratio	Lower	Upper
196	100		
198	99.7	80.2	120.4
200	32.3	25.8	38.6

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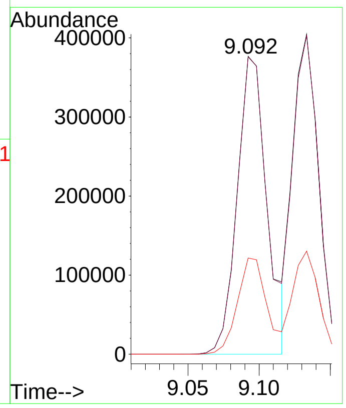
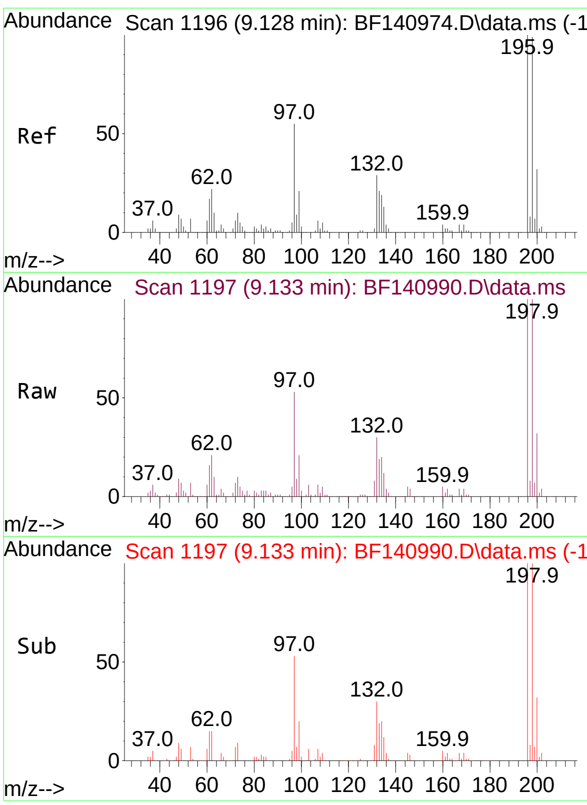
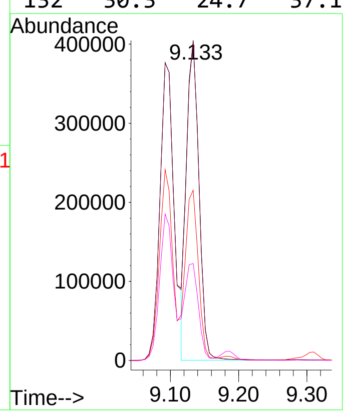




#44
2,4,5-Trichlorophenol
Concen: 50.841 ng
RT: 9.133 min Scan# 1197
Delta R.T. 0.006 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Tgt Ion:196 Resp: 515432

Ion	Ratio	Lower	Upper
196	100		
198	99.5	79.9	119.9
97	53.2	44.3	66.5
132	30.3	24.7	37.1



Instrument :
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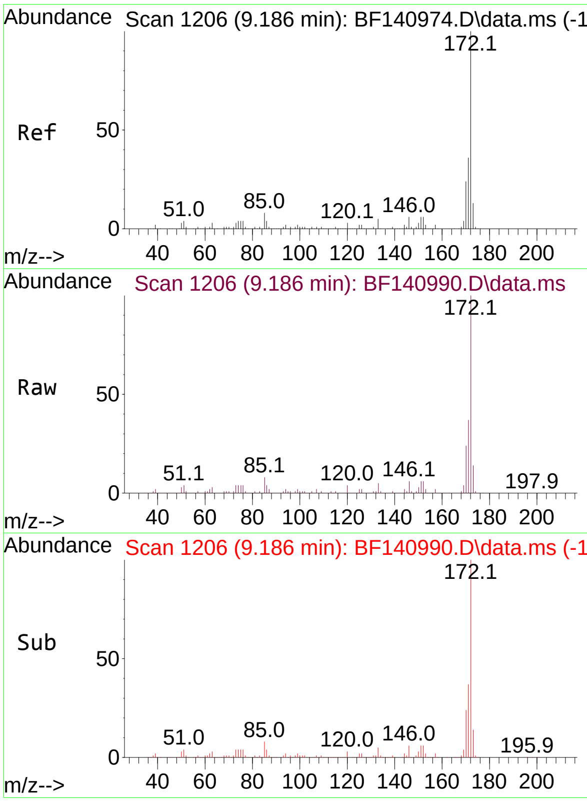
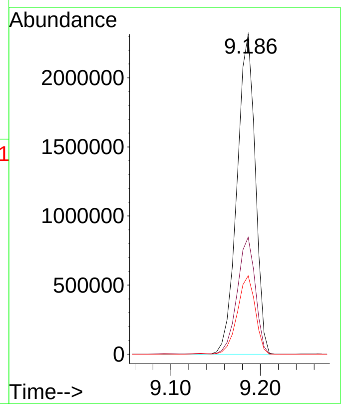
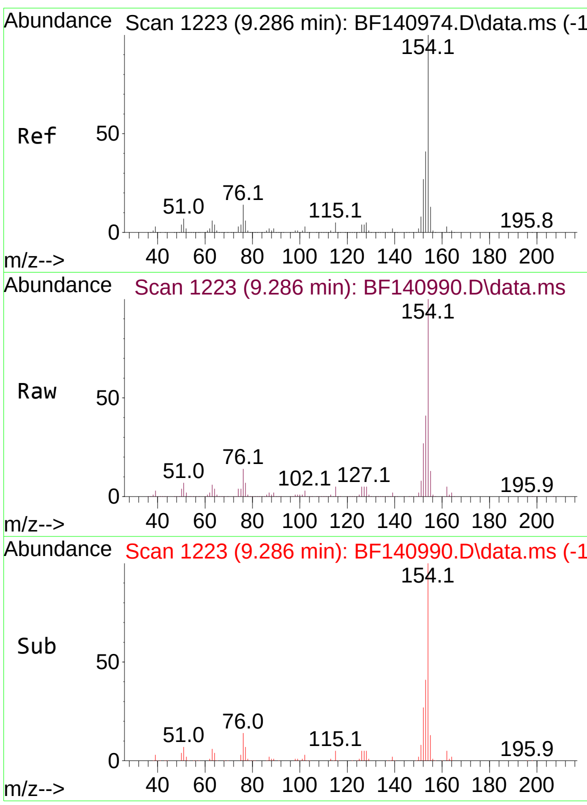


#45
2-Fluorobiphenyl
Concen: 96.425 ng
RT: 9.186 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Tgt Ion:172 Resp: 327505

Ion	Ratio	Lower	Upper
172	100		
171	36.6	29.0	43.4
170	24.5	19.6	29.4

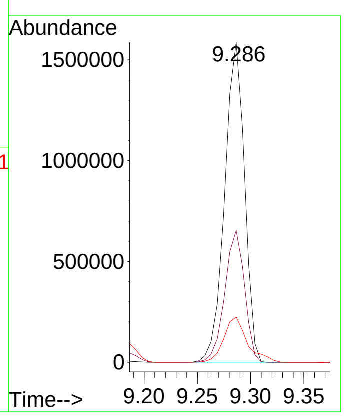


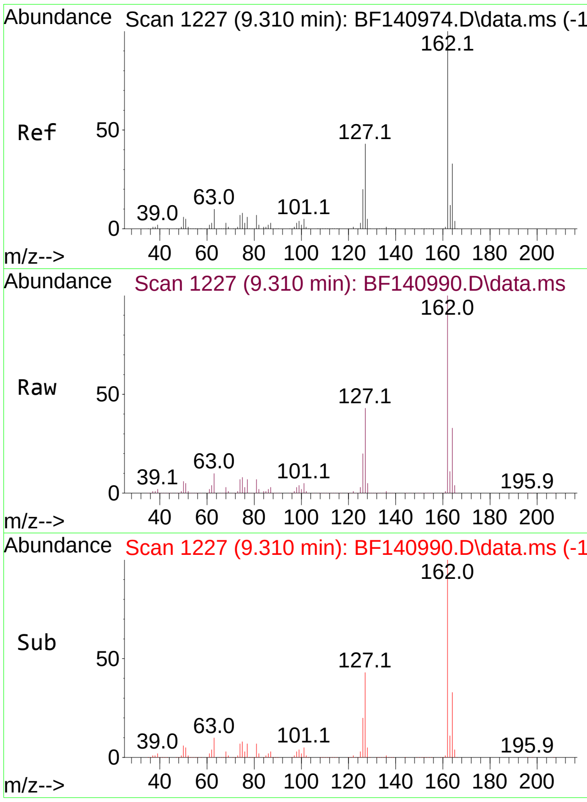


#46
1,1'-Biphenyl
Concen: 49.613 ng
RT: 9.286 min Scan# 1223
Delta R.T. 0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Tgt Ion:154 Resp: 2055713

Ion	Ratio	Lower	Upper
154	100		
153	41.2	20.9	60.9
76	14.2	0.0	34.0





#47
2-Chloronaphthalene
Concen: 47.842 ng
RT: 9.310 min   Scan# 1
Delta R.T.   -0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024   12:14

Instrument :
BNA_F
ClientSampleId :
PB165814BS

Tgt Ion:162 Resp: 153745

Ion	Ratio	Lower	Upper
162	100		
127	43.3	34.2	51.4
164	33.5	26.6	40.0

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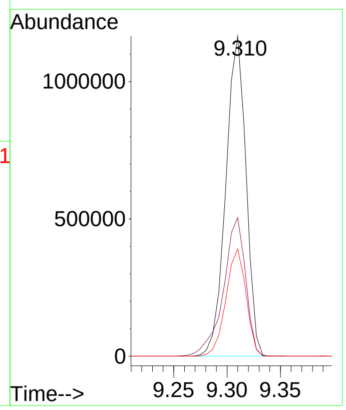
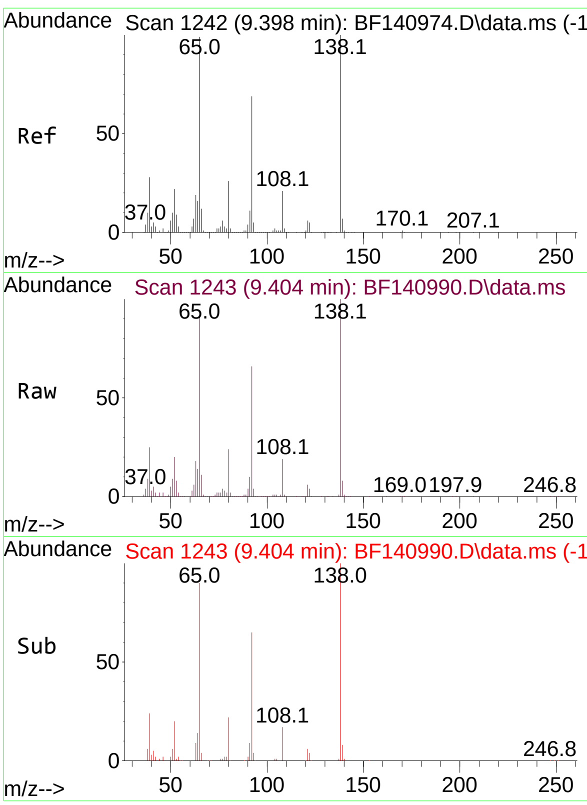
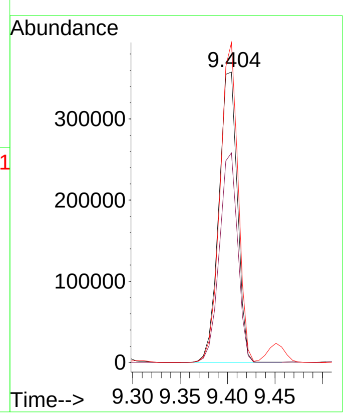




#48
2-Nitroaniline
Concen: 57.075 ng
RT: 9.404 min   Scan# 1243
Delta R.T.   0.006 min
Lab File: BF140990.D
Acq: 27 Dec 2024   12:14

Tgt Ion: 65 Resp: 487997

Ion	Ratio	Lower	Upper
65	100		
92	72.2	55.6	83.4
138	110.2	80.5	120.7



Instrument :
BNA_F
ClientSampleId :
PB165814BS

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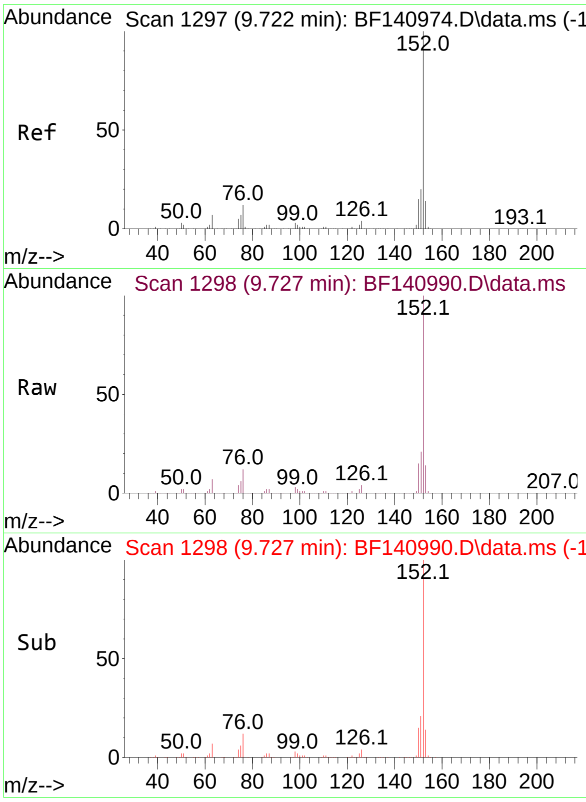
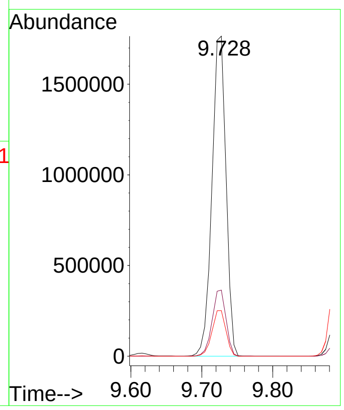
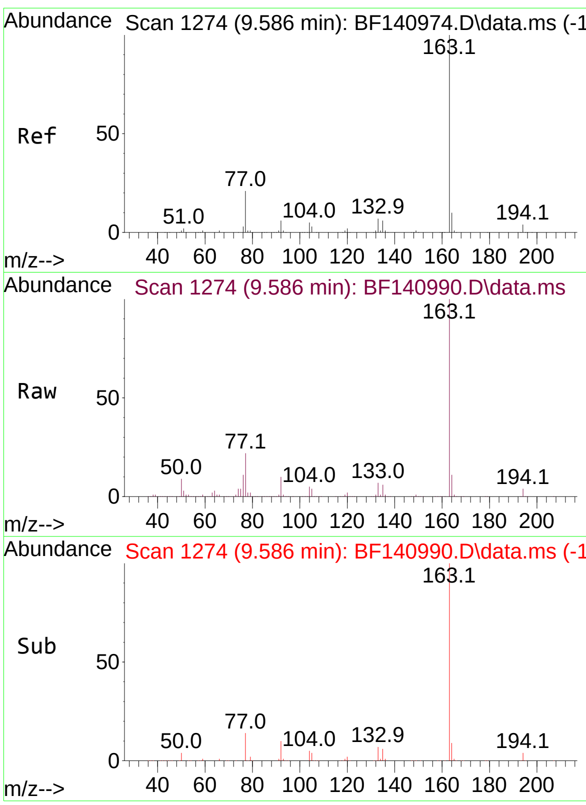



```
#49
Acenaphthylene
Concen:   52.539 ng
RT:    9.727 min  Scan# 1
Delta R.T.  0.005 min
Lab File:   BF140990.D
Acq: 27 Dec 2024  12:14

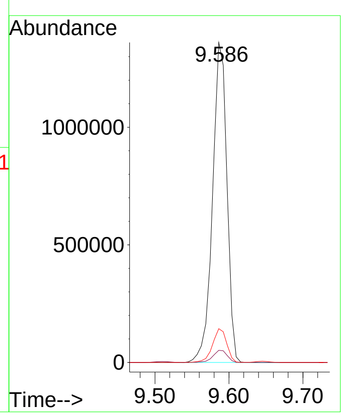
Tgt Ion:152 Resp: 243050
Ion  Ratio  Lower  Upper
152  100
151   20.7   16.2   24.4
153   14.3   11.4   17.0
```






```
#50
Dimethylphthalate
Concen:   51.524 ng
RT:    9.586 min  Scan# 1274
Delta R.T.  0.000 min
Lab File:   BF140990.D
Acq: 27 Dec 2024  12:14

Tgt Ion:163 Resp: 1833974
Ion  Ratio  Lower  Upper
163  100
194    3.8    3.1    4.7
164   10.6    8.3   12.5
```



Instrument :
BNA_F
ClientSampleId :
PB165814BS

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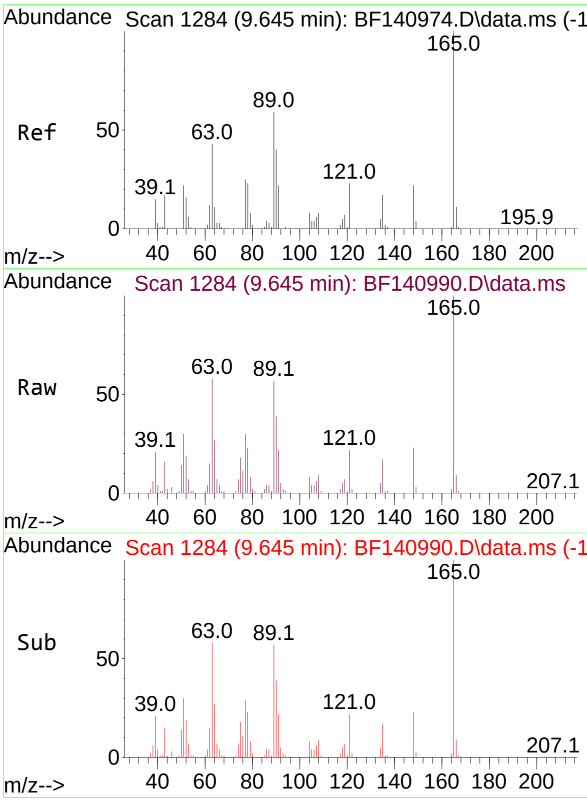
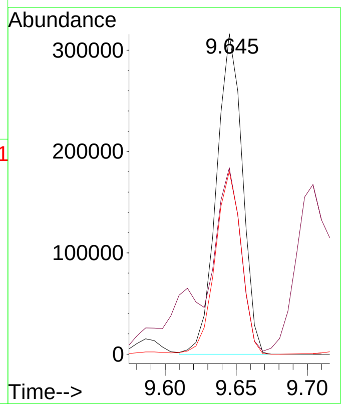
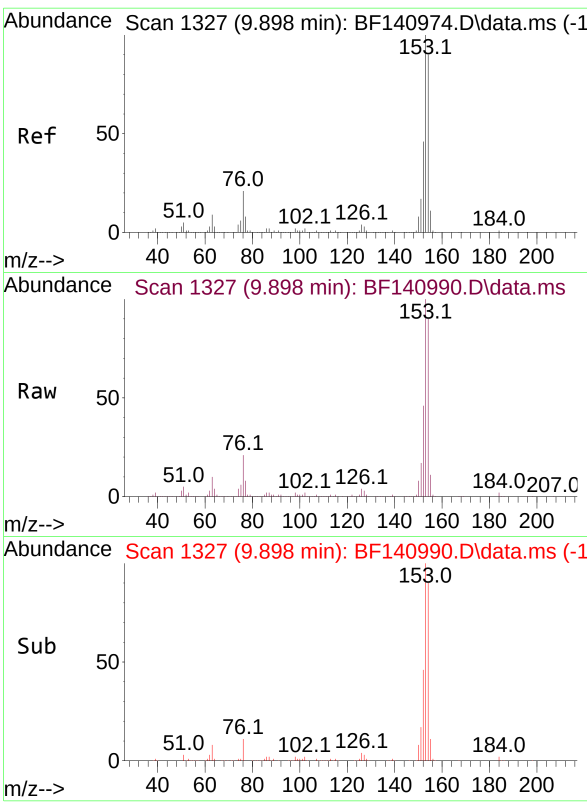


#51
2,6-Dinitrotoluene
Concen: 54.757 ng
RT: 9.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Tgt Ion:165 Resp: 40152

Ion	Ratio	Lower	Upper
165	100		
63	58.2	47.1	70.7
89	57.1	47.0	70.4

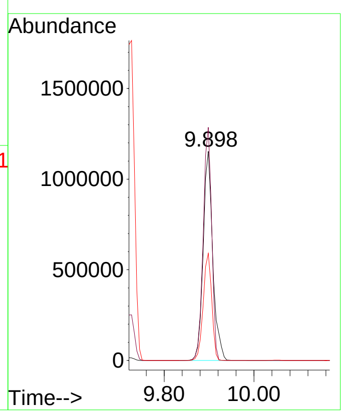


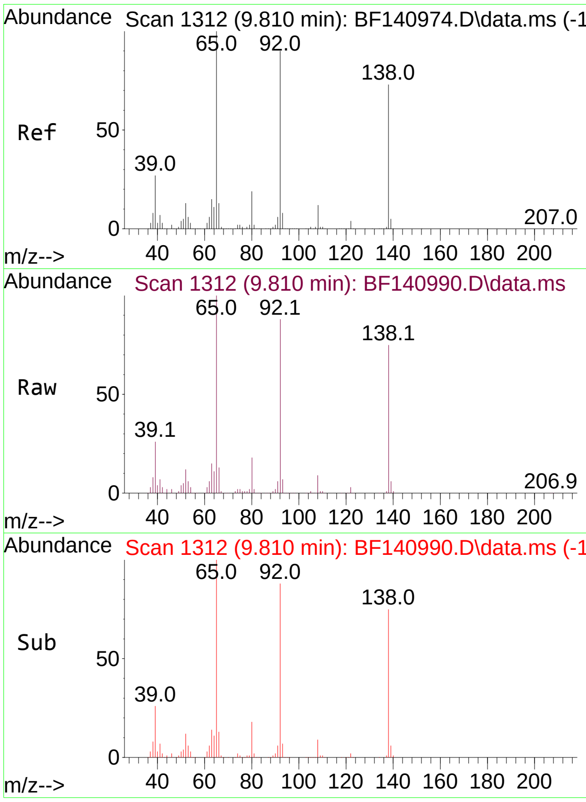


#52
Acenaphthene
Concen: 54.759 ng
RT: 9.898 min Scan# 1327
Delta R.T. 0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Tgt Ion:154 Resp: 1712545

Ion	Ratio	Lower	Upper
154	100		
153	111.5	89.2	133.8
152	51.2	40.9	61.3






```
#53
3-Nitroaniline
Concen:   33.624 ng
RT:   9.810 min  Scan# 1
Delta R.T.  -0.000 min
Lab File:   BF140990.D
Acq: 27 Dec 2024  12:14

Tgt Ion:138 Resp:  25715
Ion  Ratio  Lower  Upper
138  100
108   12.2   13.5   20.3#
 92  117.4   97.7  146.5
```

Instrument :
BNA_F
ClientSampleId :
PB165814BS

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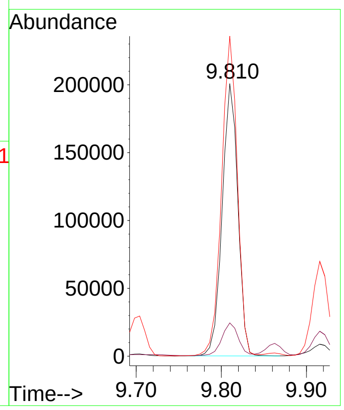
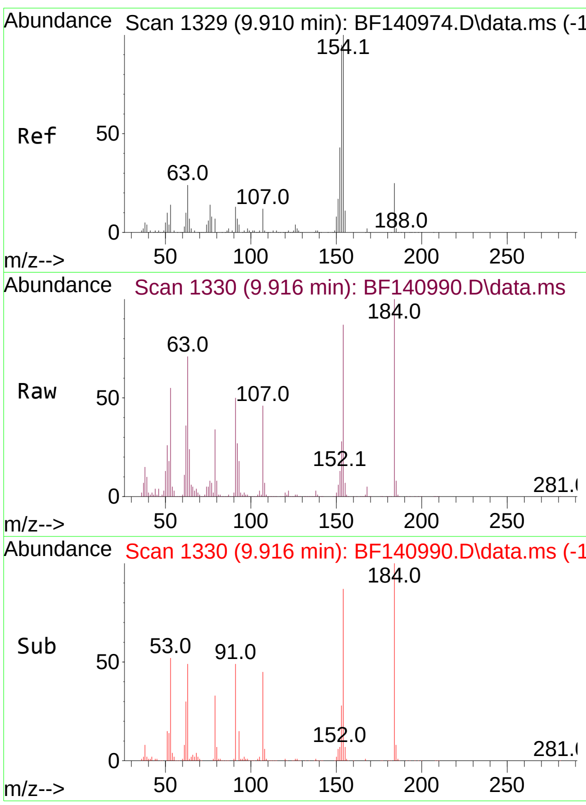
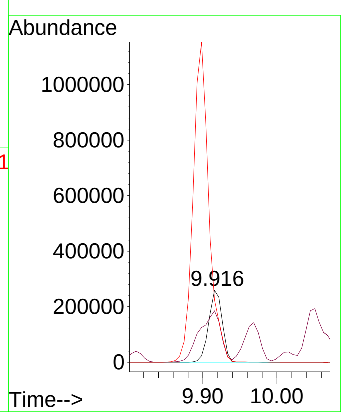
Supervised By :mohammad ahmed 12/30/2024






```
#54
2,4-Dinitrophenol
Concen:  101.758 ng
RT:   9.916 min  Scan# 1330
Delta R.T.  0.006 min
Lab File:   BF140990.D
Acq: 27 Dec 2024  12:14

Tgt Ion:184 Resp:  331319
Ion  Ratio  Lower  Upper
184  100
 63   71.5   81.6  122.4#
154   86.6  363.5  545.3#
```



Instrument :
BNA_F
ClientSampleId :
PB165814BS

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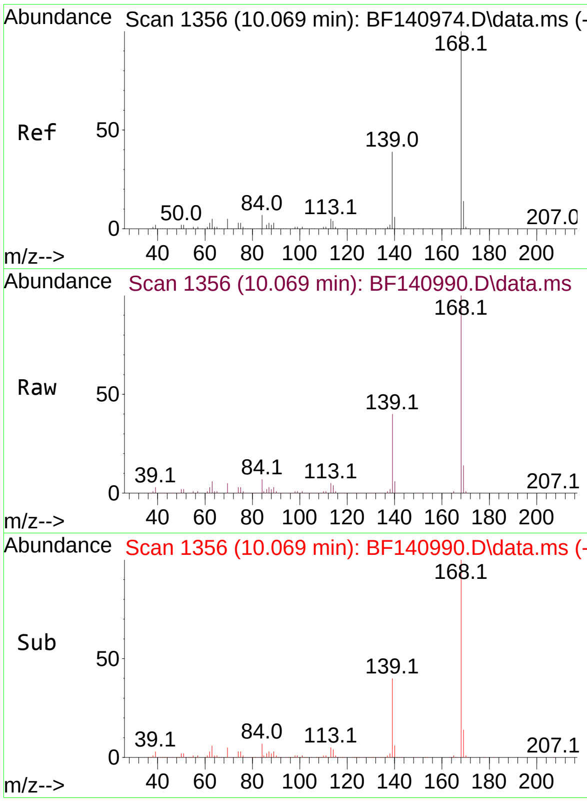
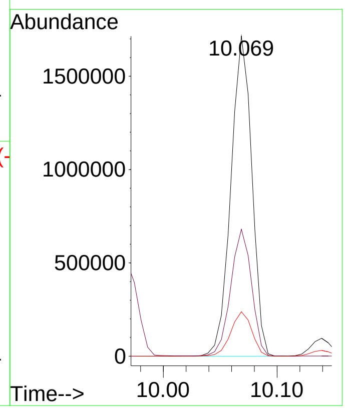
Supervised By :mohammad ahmed 12/30/2024

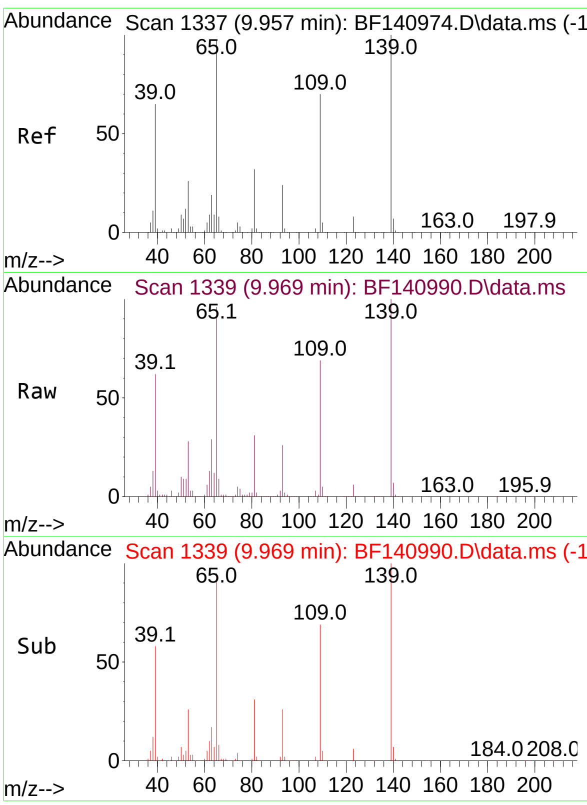


#55
Dibenzofuran
Concen: 50.075 ng
RT: 10.069 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Tgt Ion:168 Resp: 220088

Ion	Ratio	Lower	Upper
168	100		
139	39.7	31.6	47.4
169	13.9	11.0	16.6

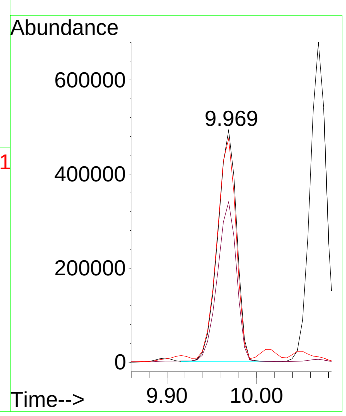


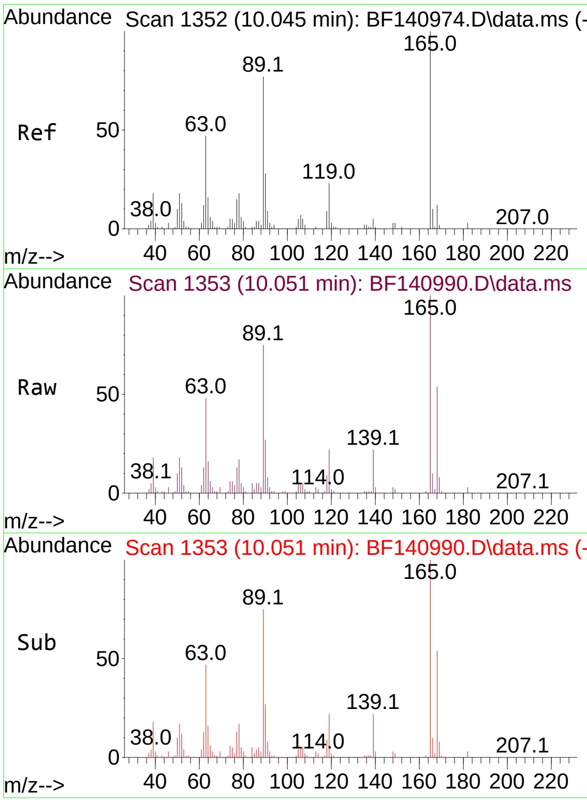


#56
4-Nitrophenol
Concen: 119.648 ng
RT: 9.969 min Scan# 1339
Delta R.T. 0.012 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Tgt Ion:139 Resp: 728498

Ion	Ratio	Lower	Upper
139	100		
109	69.1	50.8	90.8
65	96.4	78.5	118.5

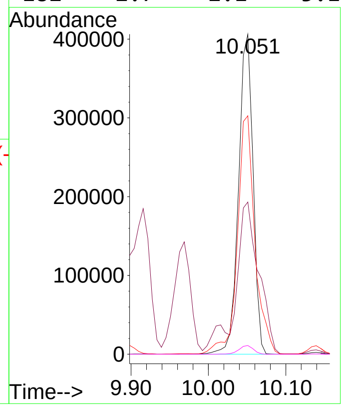




#57
2,4-Dinitrotoluene
Concen: 58.802 ng
RT: 10.051 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Tgt Ion:165 Resp: 53224

Ion	Ratio	Lower	Upper
165	100		
63	47.6	38.1	57.1
89	74.5	61.4	92.2
182	2.7	2.1	3.1



Instrument :
BNA_F
ClientSampleId :
PB165814BS

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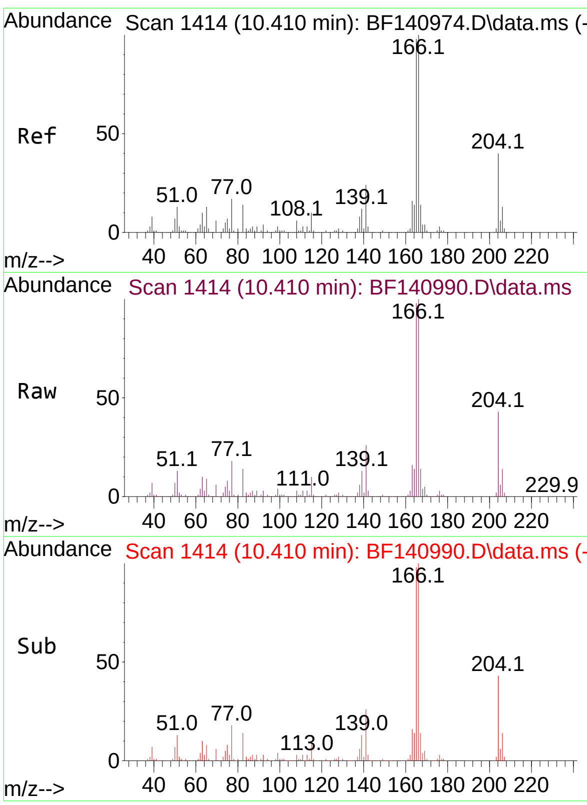
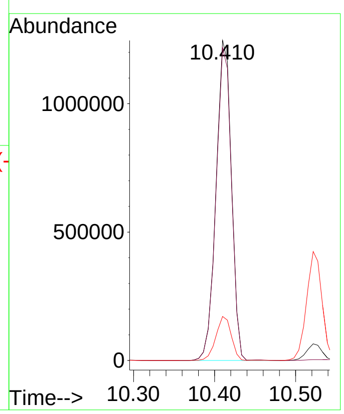


#58
Fluorene
Concen: 48.486 ng
RT: 10.410 min Scan# 1414
Delta R.T. -0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Tgt Ion:166 Resp: 1652515

Ion	Ratio	Lower	Upper
166	100		
165	97.7	78.3	117.5
167	13.7	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
PB165814BS

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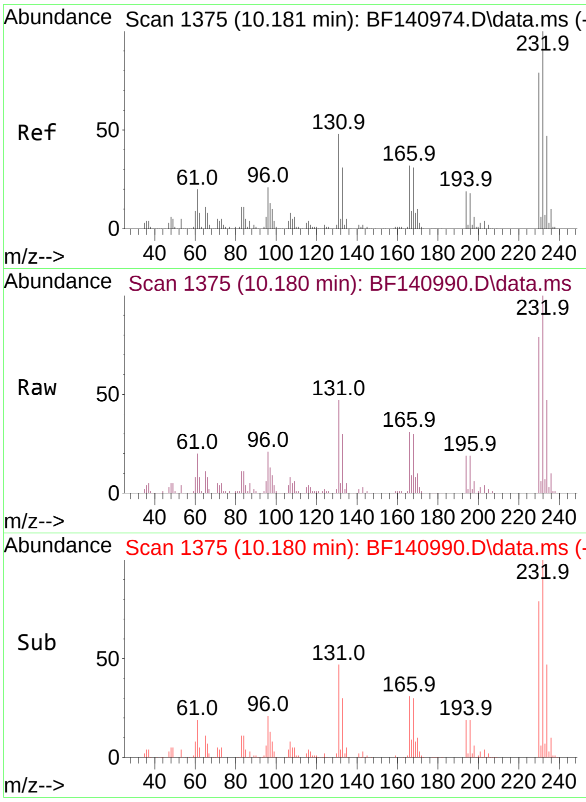
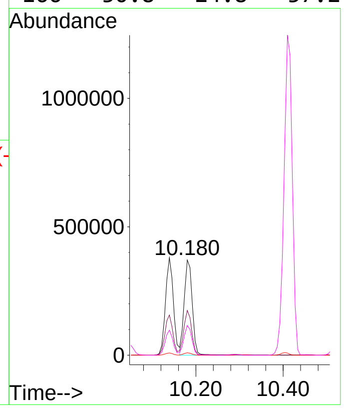
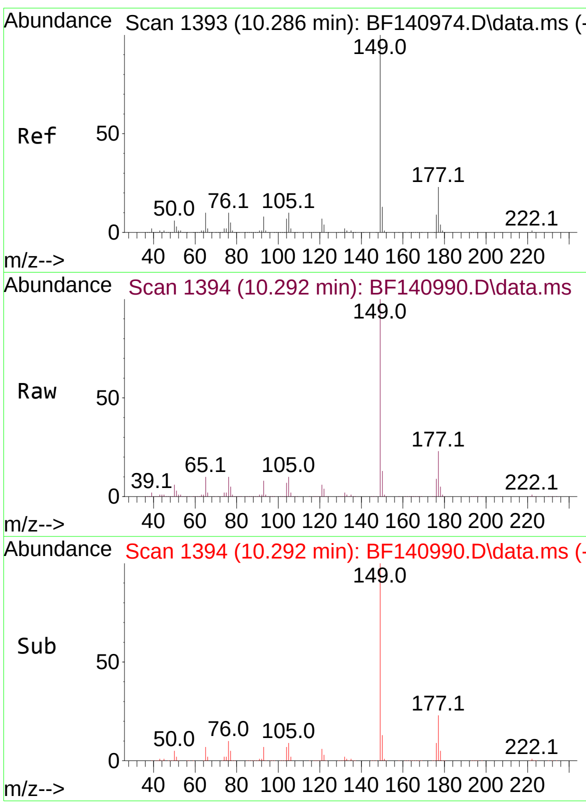


#59
2,3,4,6-Tetrachlorophenol
Concen: 56.124 ng
RT: 10.180 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Tgt Ion:232 Resp: 47123

Ion	Ratio	Lower	Upper
232	100		
131	46.6	37.4	56.2
130	2.5	1.8	2.8
166	30.8	24.8	37.2

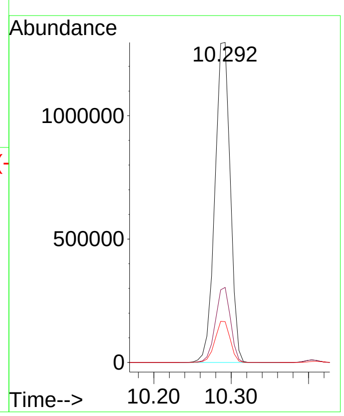


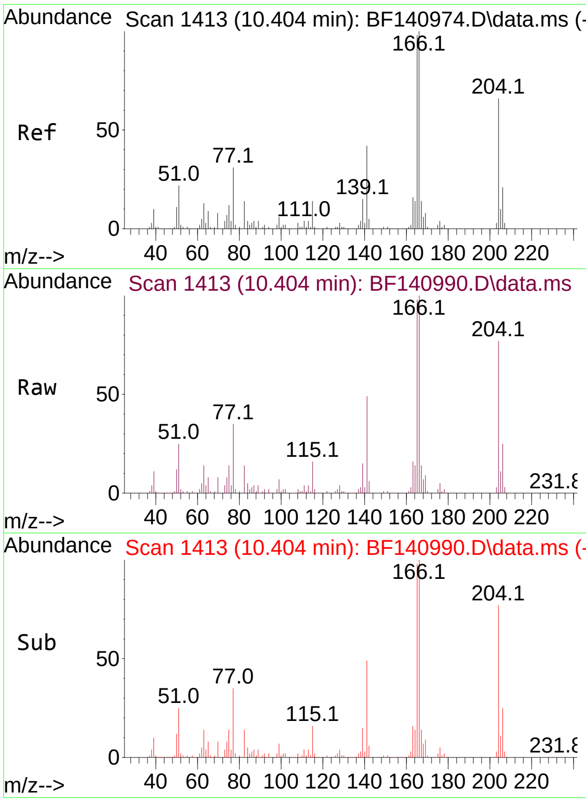


#60
Diethylphthalate
Concen: 50.879 ng
RT: 10.292 min Scan# 1394
Delta R.T. 0.006 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Tgt Ion:149 Resp: 1787895

Ion	Ratio	Lower	Upper
149	100		
177	23.5	18.3	27.5
150	12.8	10.4	15.6





#61
4-Chlorophenyl-phenylether
Concen: 48.648 ng
RT: 10.404 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Instrument :
BNA_F
ClientSampleId :
PB165814BS

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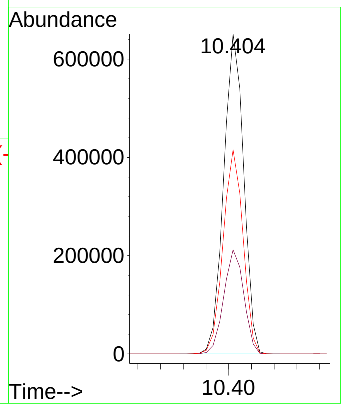
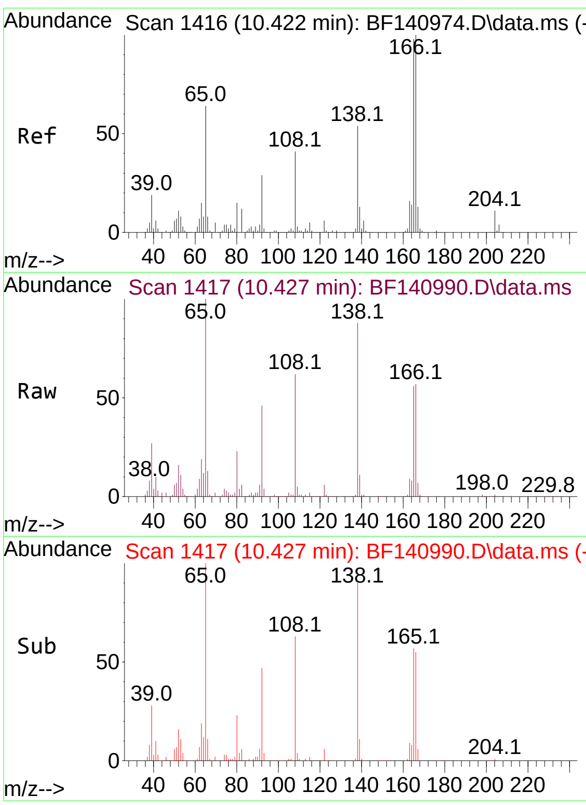
Tgt Ion:204 Resp: 79780

Ion	Ratio	Lower	Upper
204	100		
206	32.6	25.8	38.6
141	63.8	51.2	76.8

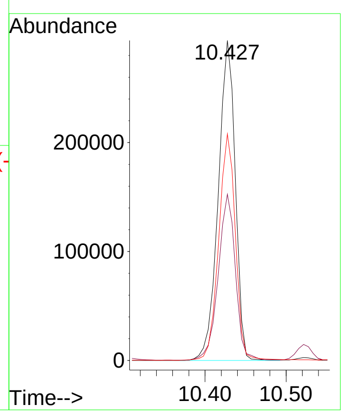


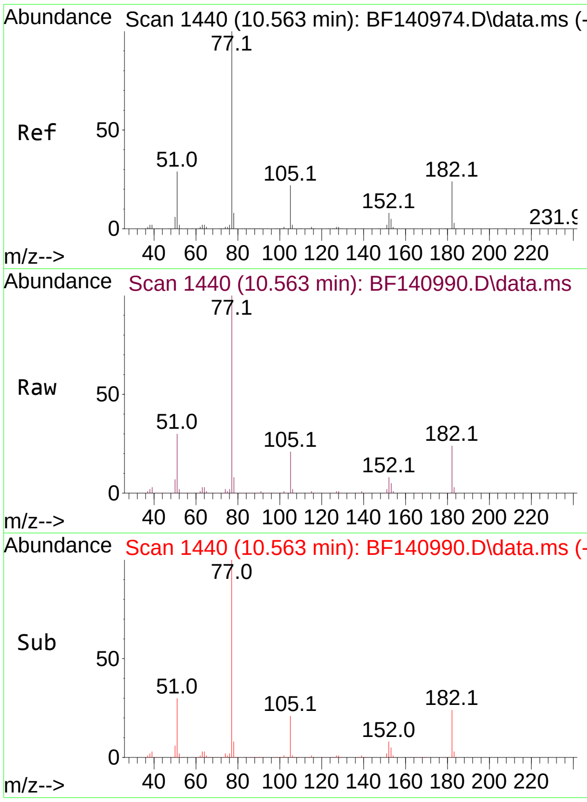


#62
4-Nitroaniline
Concen: 54.039 ng
RT: 10.427 min Scan# 1417
Delta R.T. 0.005 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Tgt Ion:138 Resp: 429748

Ion	Ratio	Lower	Upper
138	100		
92	51.9	34.8	74.8
108	70.8	55.9	95.9





#63
Azobenzene
Concen: 50.553 ng
RT: 10.563 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Instrument :
BNA_F
ClientSampleId :
PB165814BS

Tgt Ion: 77 Resp: 186458

Ion	Ratio	Lower	Upper
77	100		
182	24.0	4.1	44.1
105	21.4	1.8	41.8
51	30.4	9.7	49.7

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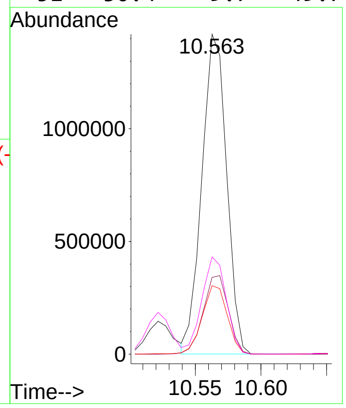
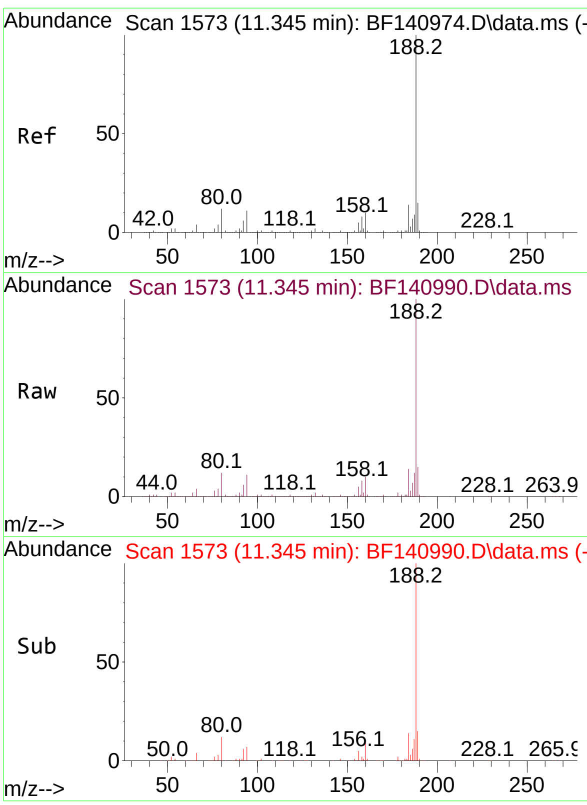
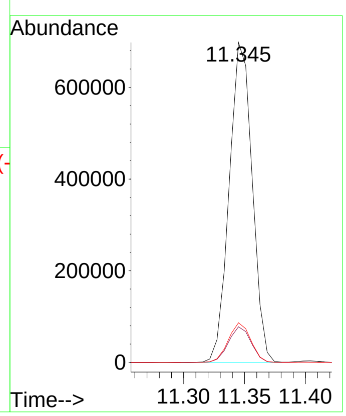




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Tgt Ion:188 Resp: 919053

Ion	Ratio	Lower	Upper
188	100		
94	11.2	9.0	13.6
80	12.4	9.8	14.6



Instrument :
BNA_F
ClientSampleId :
PB165814BS

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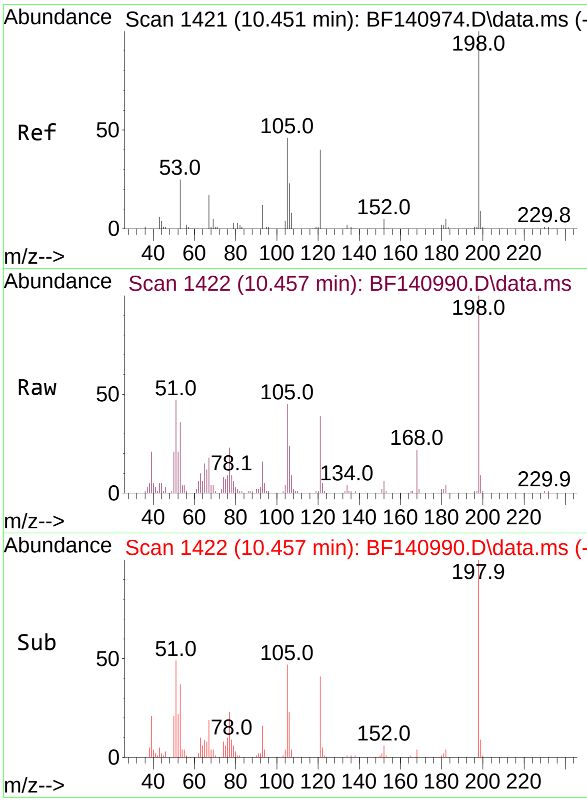
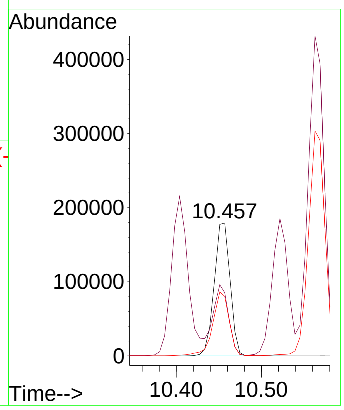
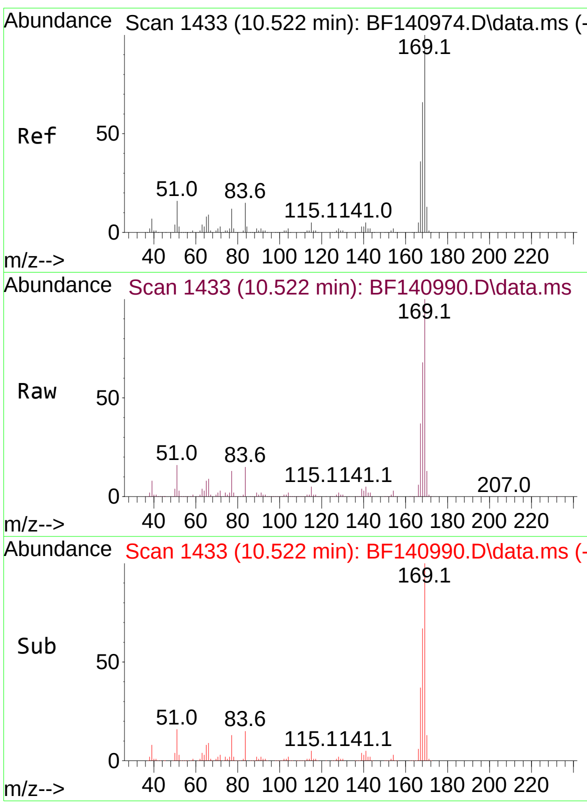


#65
4,6-Dinitro-2-methylphenol
Concen: 60.571 ng
RT: 10.457 min Scan# 14
Delta R.T. 0.006 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Tgt Ion:198 Resp: 23308

Ion	Ratio	Lower	Upper
198	100		
51	47.5	32.3	72.3
105	44.8	28.4	68.4

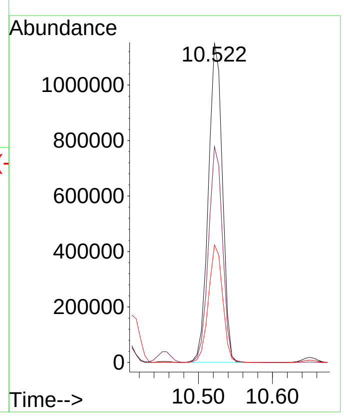


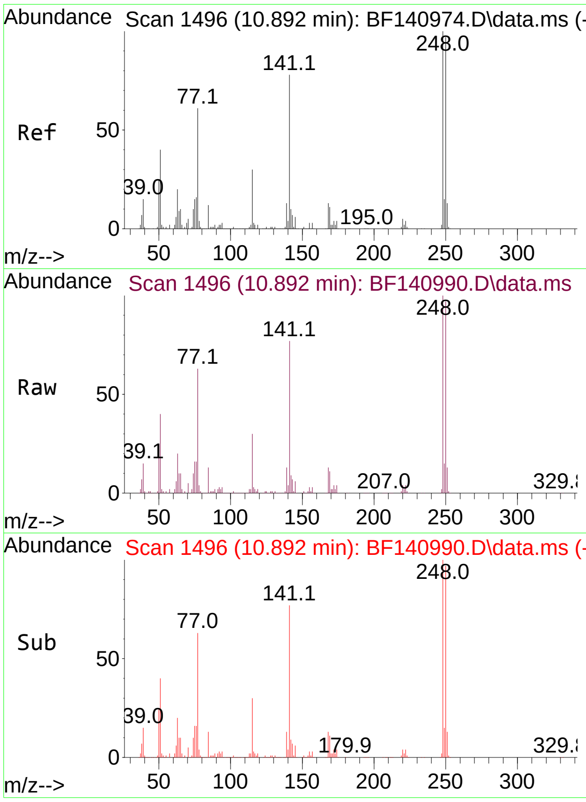


#66
n-Nitrosodiphenylamine
Concen: 52.466 ng
RT: 10.522 min Scan# 1433
Delta R.T. -0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Tgt Ion:169 Resp: 1518417

Ion	Ratio	Lower	Upper
169	100		
168	67.5	52.6	79.0
167	36.8	29.0	43.4





#67
4-Bromophenyl-phenylether
Concen: 53.335 ng
RT: 10.892 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Instrument :
BNA_F
ClientSampleId :
PB165814BS

Tgt Ion:248 Resp: 52988

Ion	Ratio	Lower	Upper
248	100		
250	97.3	77.7	116.5
141	77.3	62.1	93.1

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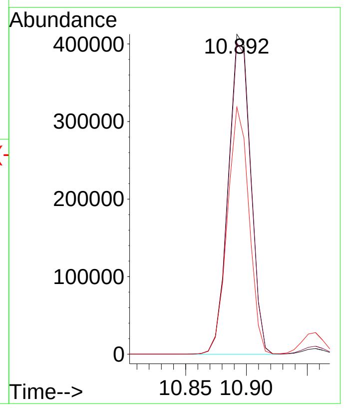
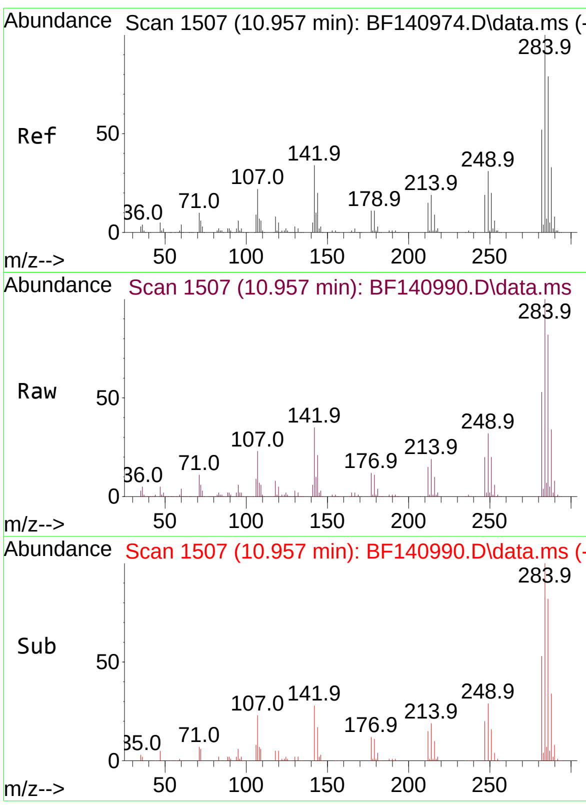
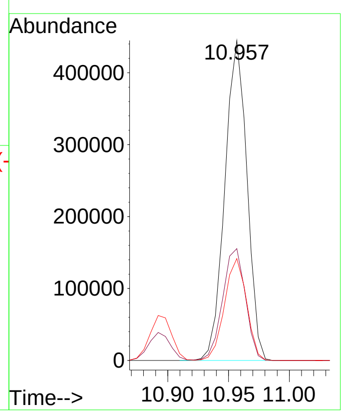


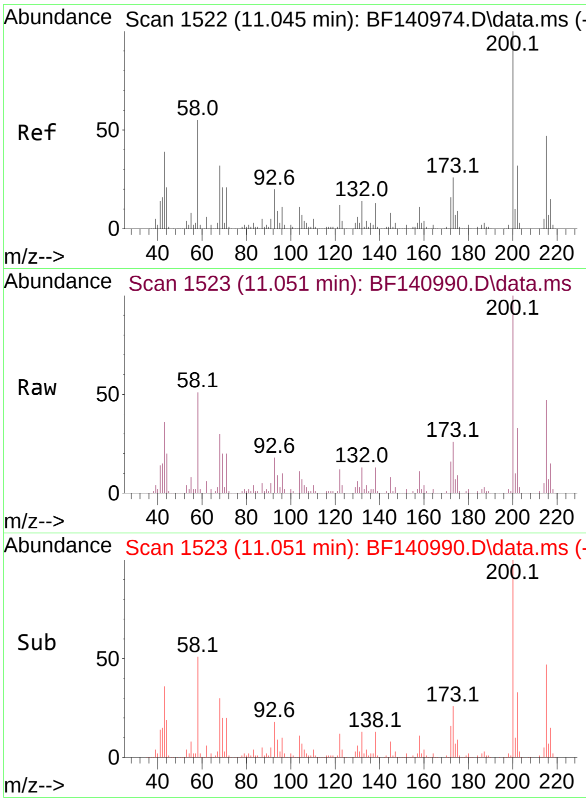


#68
Hexachlorobenzene
Concen: 51.490 ng
RT: 10.957 min Scan# 1507
Delta R.T. -0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Tgt Ion:284 Resp: 564078

Ion	Ratio	Lower	Upper
284	100		
142	35.0	27.1	40.7
249	31.8	25.1	37.7





#69
Atrazine
Concen: 65.065 ng
RT: 11.051 min Scan# 1
Delta R.T. 0.006 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Instrument :
BNA_F
ClientSampleId :
PB165814BS

Tgt Ion:200 Resp: 52605

Ion	Ratio	Lower	Upper
200	100		
173	26.3	6.4	46.4
215	46.7	27.2	67.2

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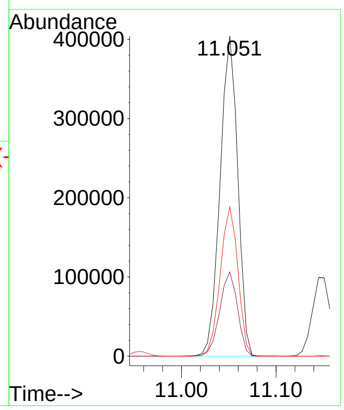
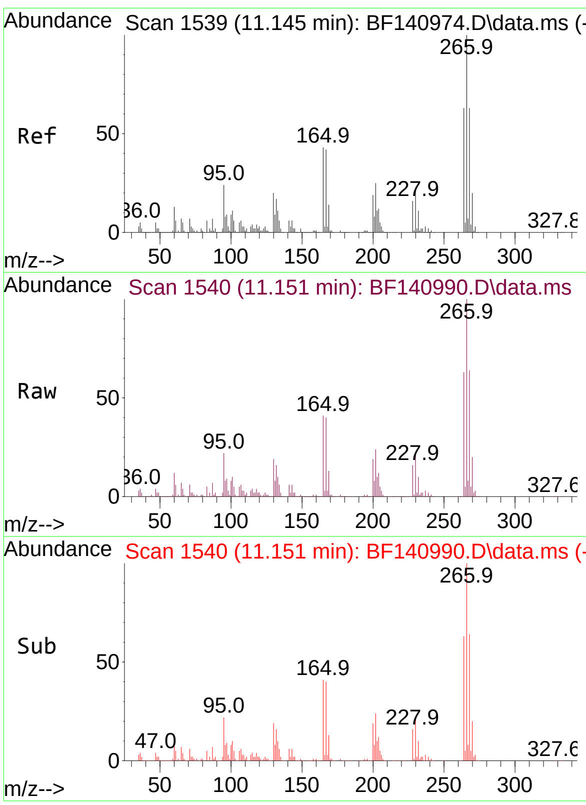
Supervised By :mohammad ahmed 12/30/2024

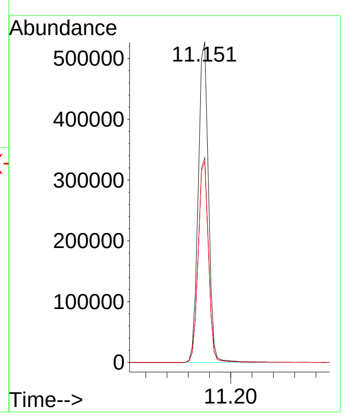


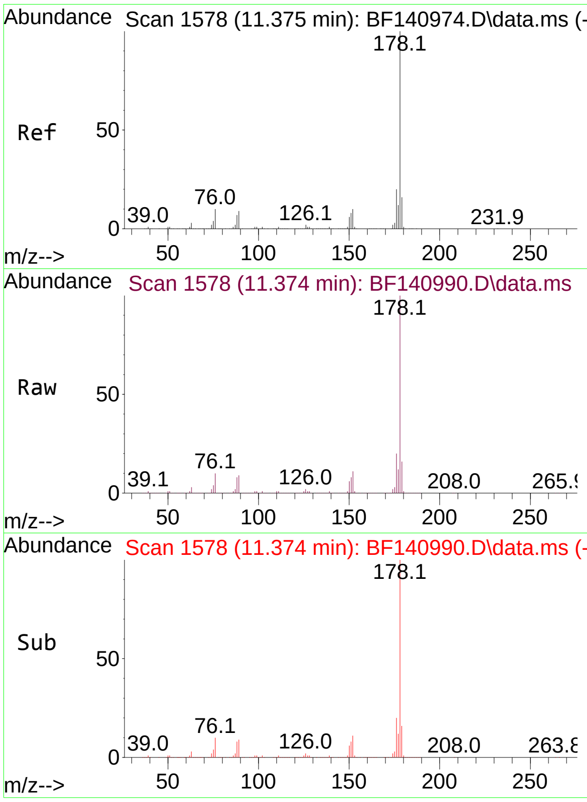


#70
Pentachlorophenol
Concen: 103.665 ng
RT: 11.151 min Scan# 1540
Delta R.T. 0.006 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Tgt Ion:266 Resp: 707064

Ion	Ratio	Lower	Upper
266	100		
268	64.0	50.5	75.7
264	62.7	50.2	75.4

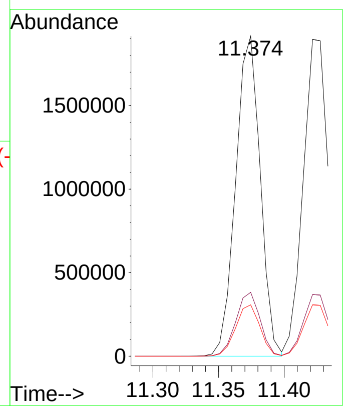




#71
Phenanthrene
Concen: 51.570 ng
RT: 11.374 min Scan# 1!
Delta R.T. -0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Tgt Ion:178 Resp: 249448!

Ion	Ratio	Lower	Upper
178	100		
176	19.9	15.8	23.6
179	16.1	12.6	19.0



Instrument :
BNA_F
ClientSampleId :
PB165814BS

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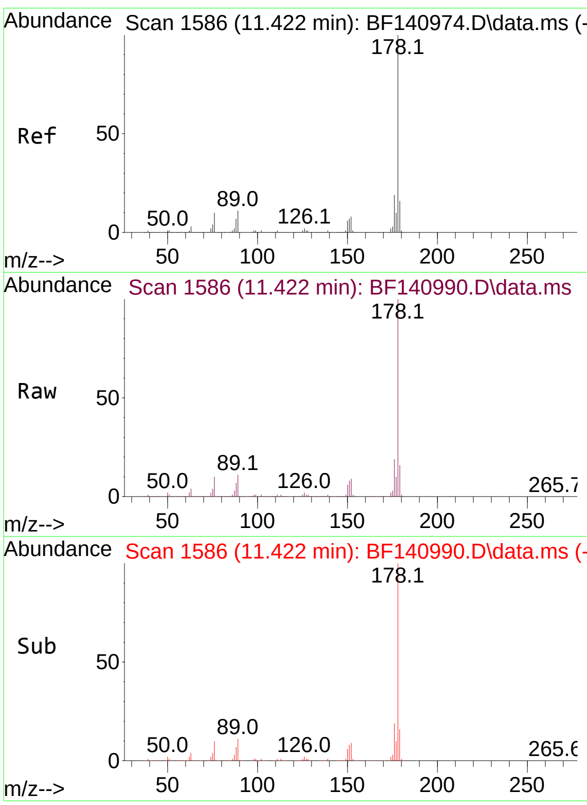
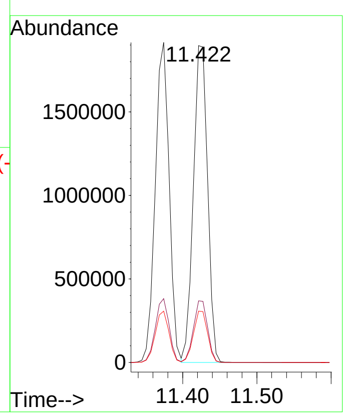


#72
Anthracene
Concen: 53.343 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Tgt Ion:178 Resp: 2528317

Ion	Ratio	Lower	Upper
178	100		
176	19.5	15.3	22.9
179	16.2	12.9	19.3



Instrument :
BNA_F
ClientSampleId :
PB165814BS

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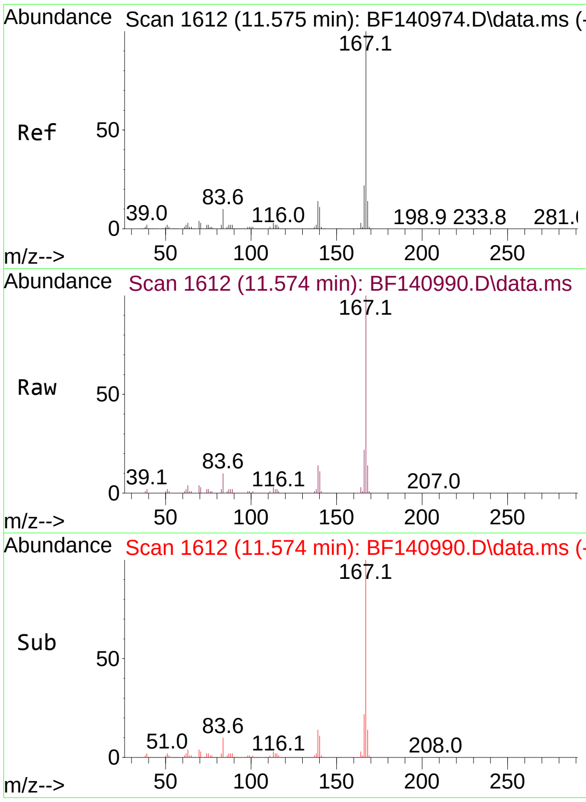
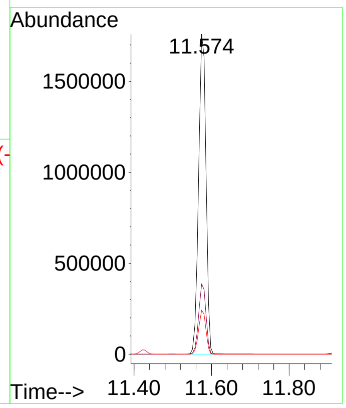
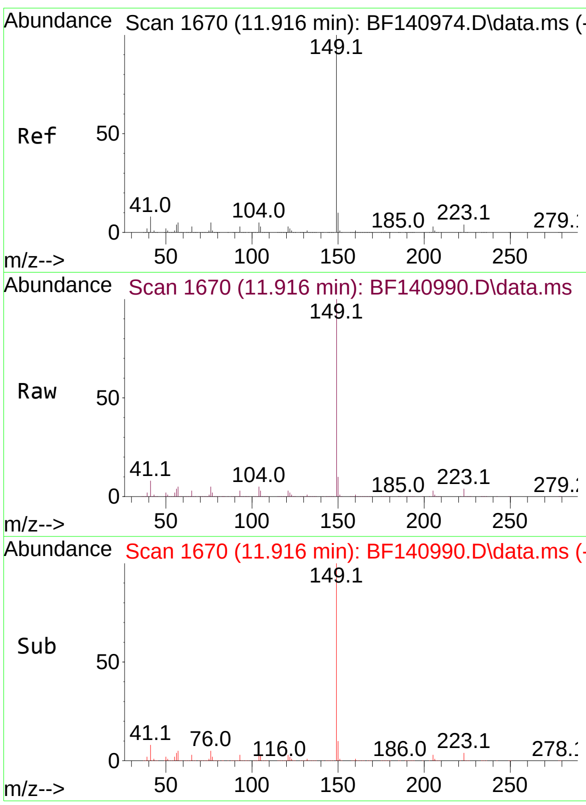


#73
Carbazole
Concen: 51.130 ng
RT: 11.574 min Scan# 1(
Delta R.T. -0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Tgt Ion:167 Resp: 232969

Ion	Ratio	Lower	Upper
167	100		
166	21.9	17.5	26.3
139	13.7	11.0	16.4

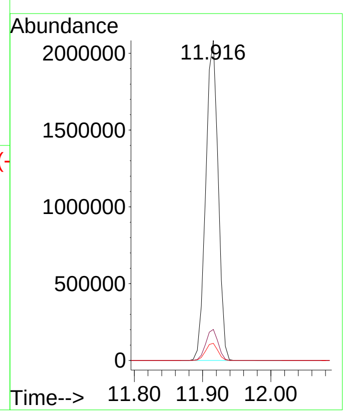




#74
Di-n-butylphthalate
Concen: 50.955 ng
RT: 11.916 min Scan# 1670
Delta R.T. -0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Tgt Ion:149 Resp: 2640717

Ion	Ratio	Lower	Upper
149	100		
150	9.7	7.7	11.5
104	5.3	4.1	6.1



Instrument :
BNA_F
ClientSampleId :
PB165814BS

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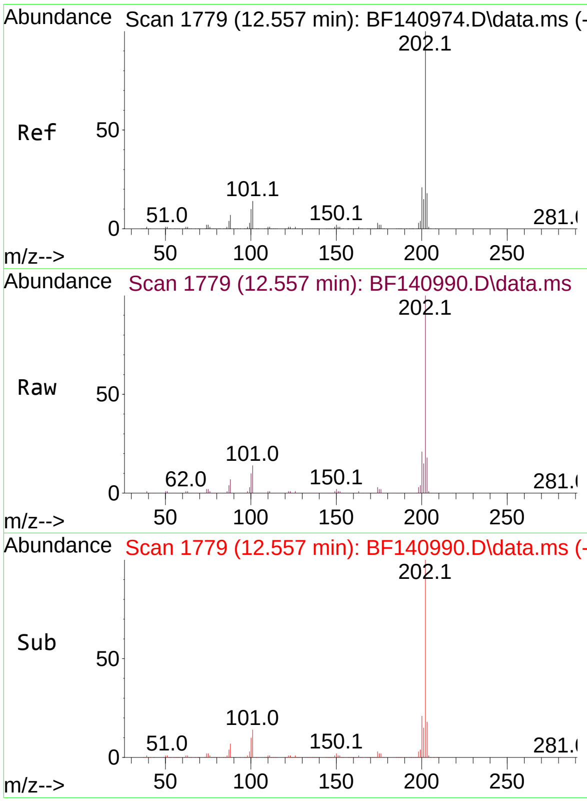
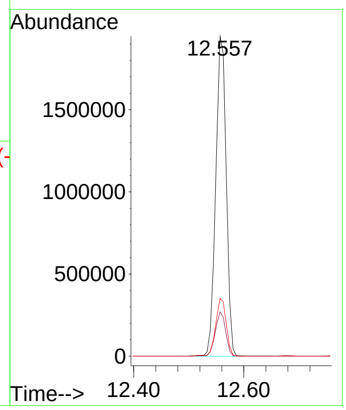
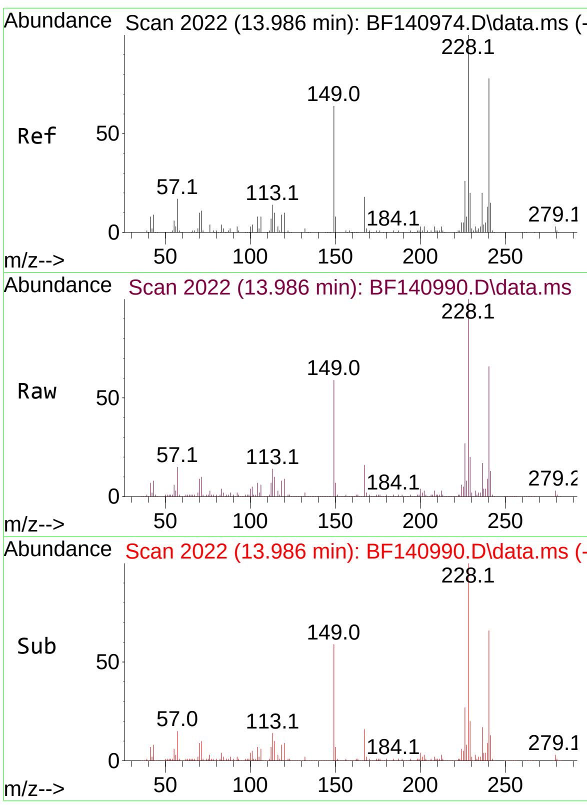


#75
Fluoranthene
Concen: 49.339 ng
RT: 12.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Tgt Ion:202 Resp: 2588359

Ion	Ratio	Lower	Upper
202	100		
101	13.9	0.0	33.7
203	18.1	0.0	38.1

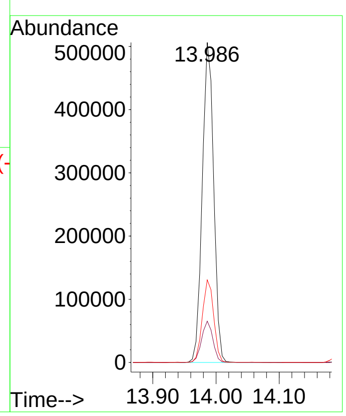


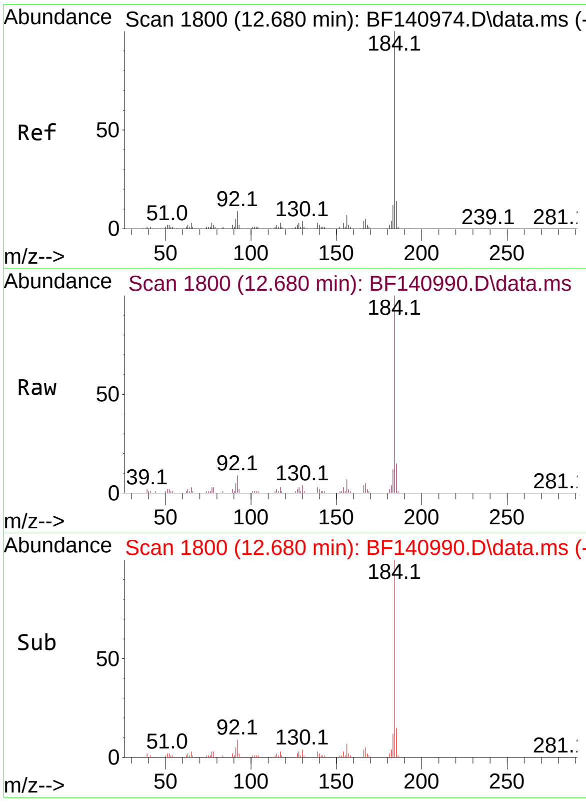


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2022
Delta R.T. -0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Tgt Ion:240 Resp: 633131

Ion	Ratio	Lower	Upper
240	100		
120	12.9	10.7	16.1
236	25.8	20.6	31.0





#77
Benzidine
Concen: 51.489 ng
RT: 12.680 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

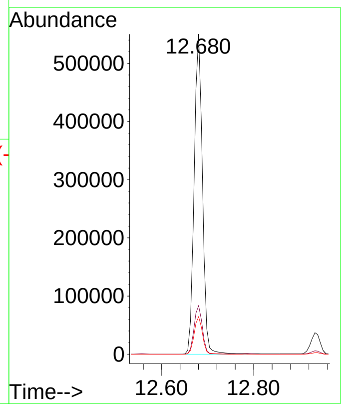
Tgt Ion:184 Resp: 68895

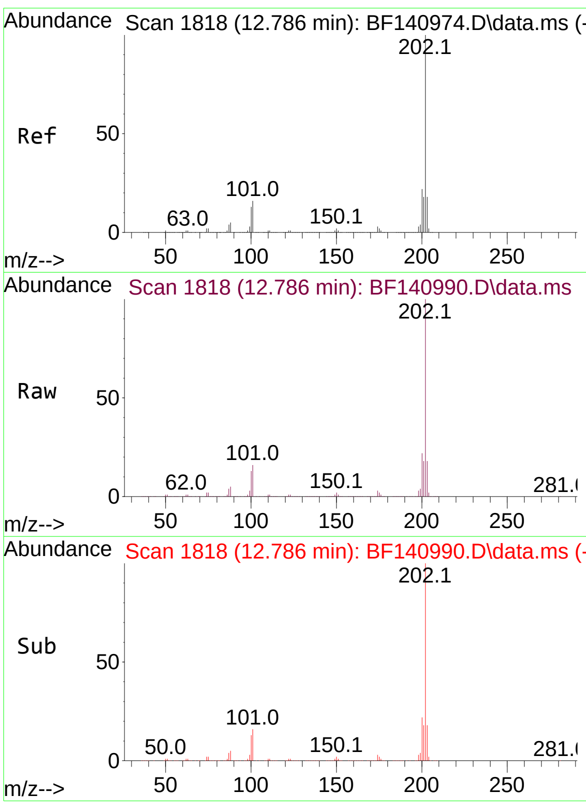
Ion	Ratio	Lower	Upper
184	100		
185	15.2	11.4	17.2
183	11.7	9.4	14.0

Instrument :
BNA_F
ClientSampleId :
PB165814BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

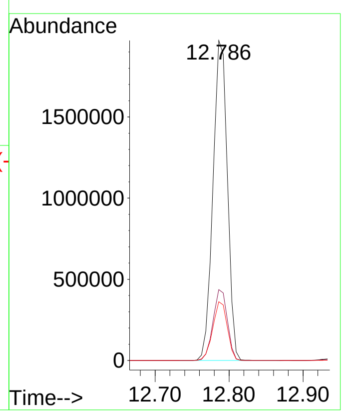




#78
Pyrene
Concen: 48.163 ng
RT: 12.786 min Scan# 1818
Delta R.T. -0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

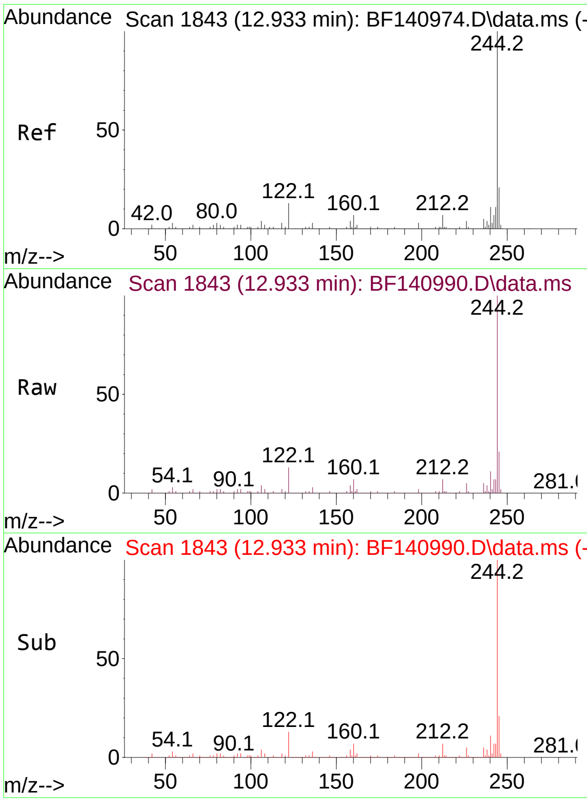
Tgt Ion:202 Resp: 2666892

Ion	Ratio	Lower	Upper
202	100		
200	22.2	17.3	25.9
203	18.4	14.6	21.8



Instrument :
BNA_F
ClientSampleId :
PB165814BS

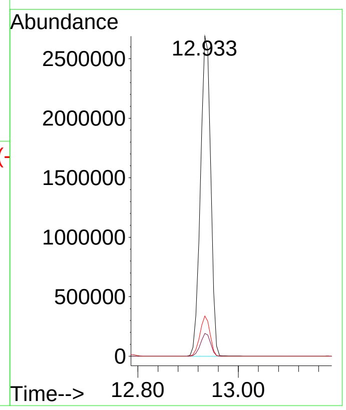
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

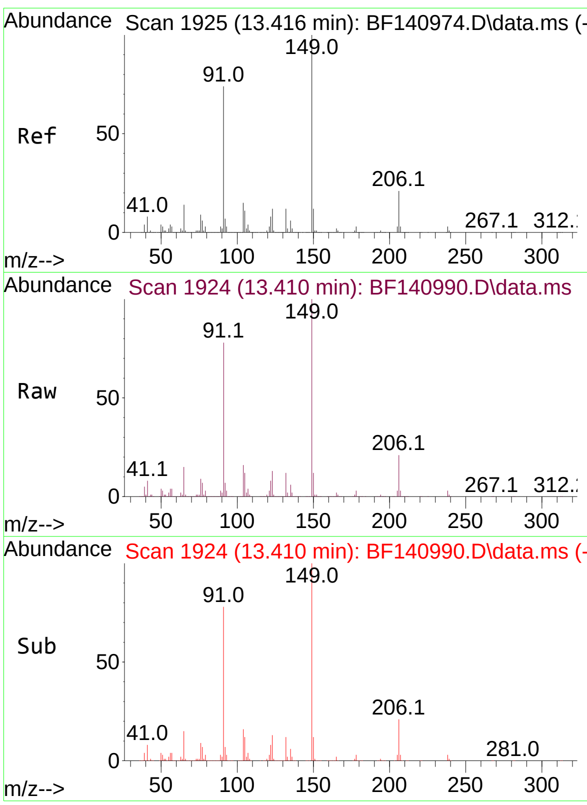


#79
Terphenyl-d14
Concen: 99.948 ng
RT: 12.933 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Tgt Ion:244 Resp: 380977

Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.7	8.5
122	12.5	10.2	15.2

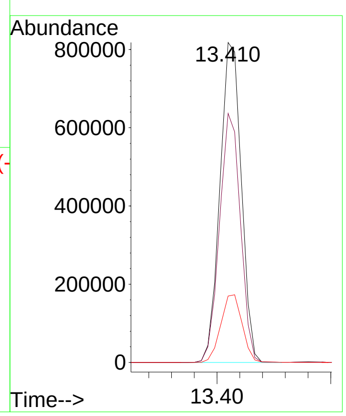


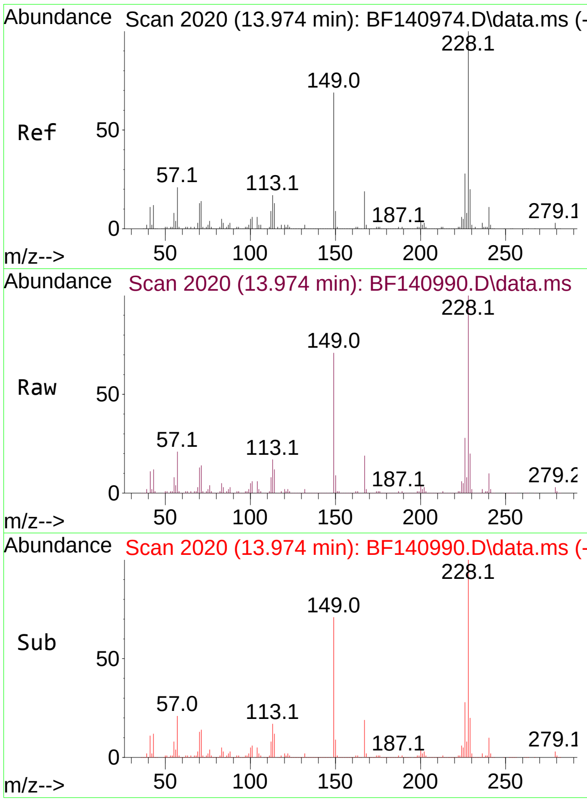


#80
Butylbenzylphthalate
Concen: 52.839 ng
RT: 13.410 min Scan# 1924
Delta R.T. -0.006 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Tgt Ion:149 Resp: 1068367

Ion	Ratio	Lower	Upper
149	100		
91	77.8	59.5	89.3
206	20.7	17.1	25.7





#81
Benzo(a)anthracene
Concen: 47.354 ng
RT: 13.974 min Scan# 20
Delta R.T. -0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

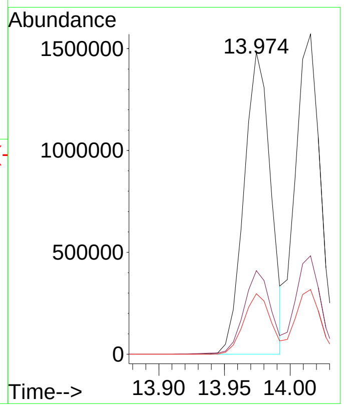
Tgt Ion:228 Resp: 208953

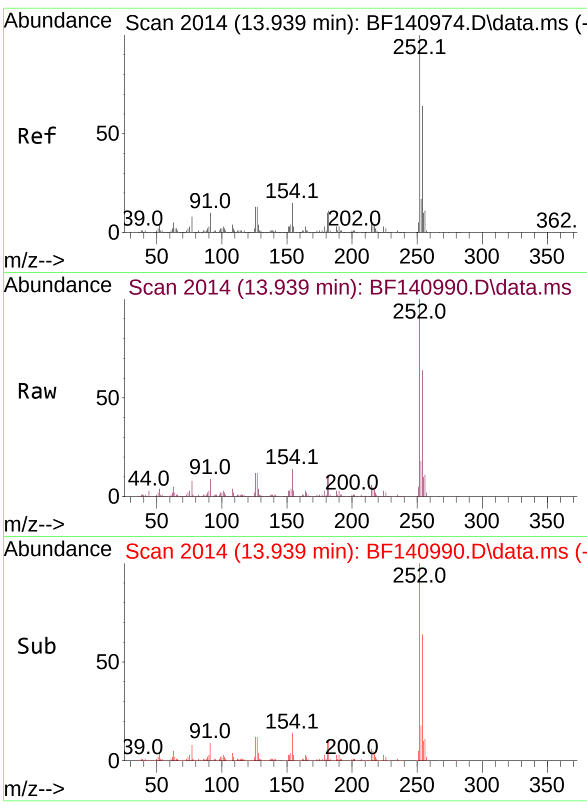
Ion	Ratio	Lower	Upper
228	100		
226	27.7	22.1	33.1
229	20.0	16.2	24.2

Instrument :
BNA_F
ClientSampleId :
PB165814BS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

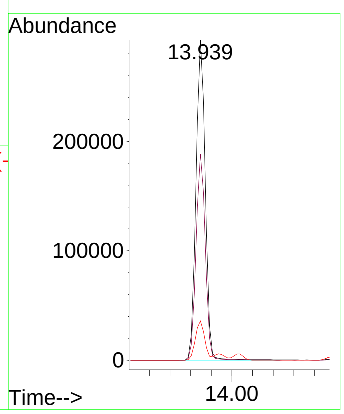


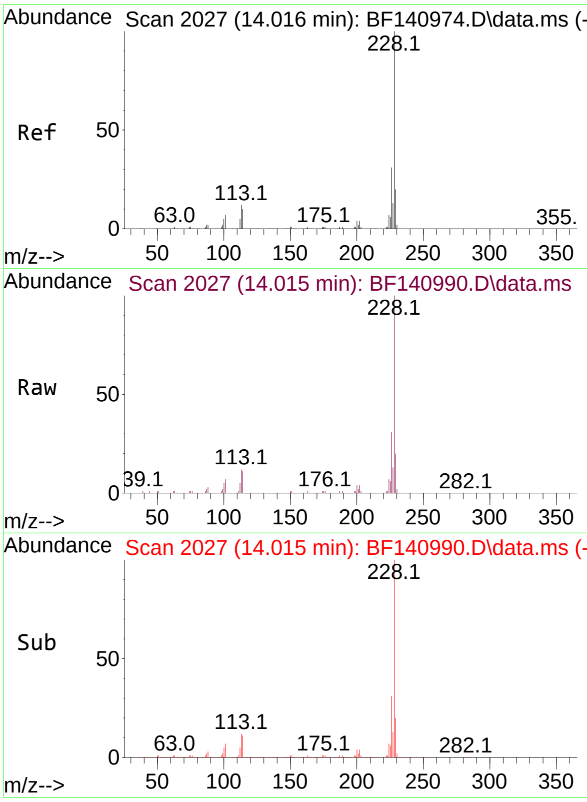


#82
3,3'-Dichlorobenzidine
Concen: 27.639 ng
RT: 13.939 min Scan# 2014
Delta R.T. -0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Tgt Ion:252 Resp: 366414

Ion	Ratio	Lower	Upper
252	100		
254	64.4	51.5	77.3
126	12.3	10.3	15.5

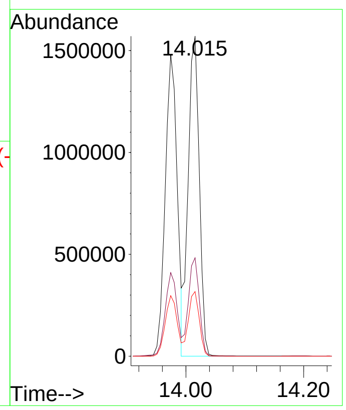




#83
Chrysene
Concen: 51.888 ng
RT: 14.015 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

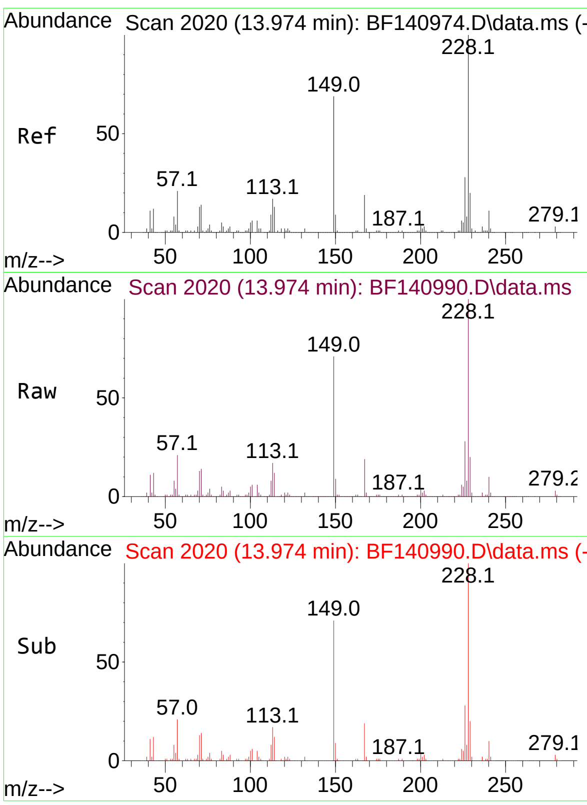
Tgt Ion:228 Resp: 206397

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.5	36.7
229	20.2	16.2	24.4



Instrument :
BNA_F
ClientSampleId :
PB165814BS

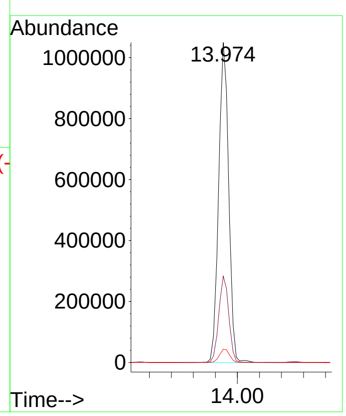
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

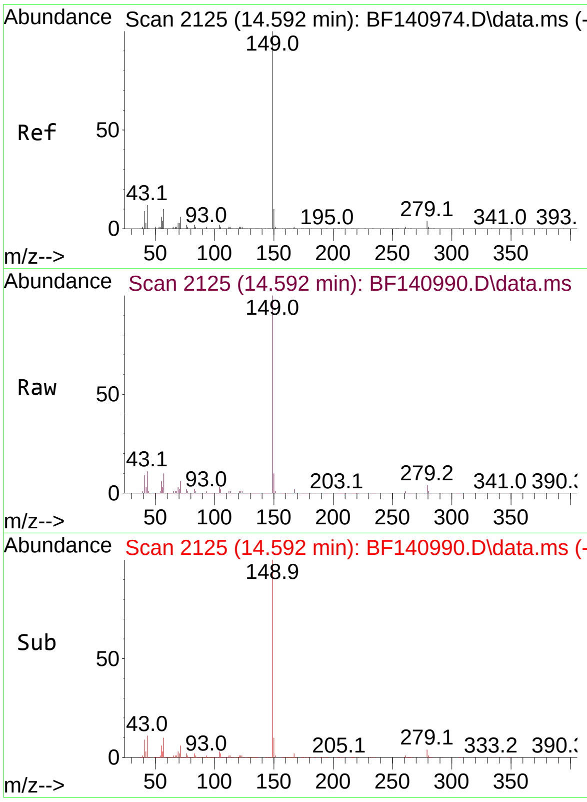


#84
Bis(2-ethylhexyl)phthalate
Concen: 50.819 ng
RT: 13.974 min Scan# 2020
Delta R.T. -0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Tgt Ion:149 Resp: 1332849

Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.6	32.4
279	4.1	3.2	4.8





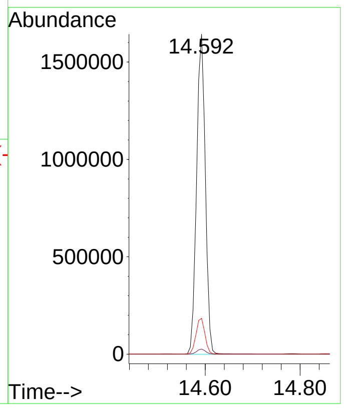
#85
Di-n-octyl phthalate
Concen: 55.364 ng
RT: 14.592 min Scan# 2
Delta R.T. -0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

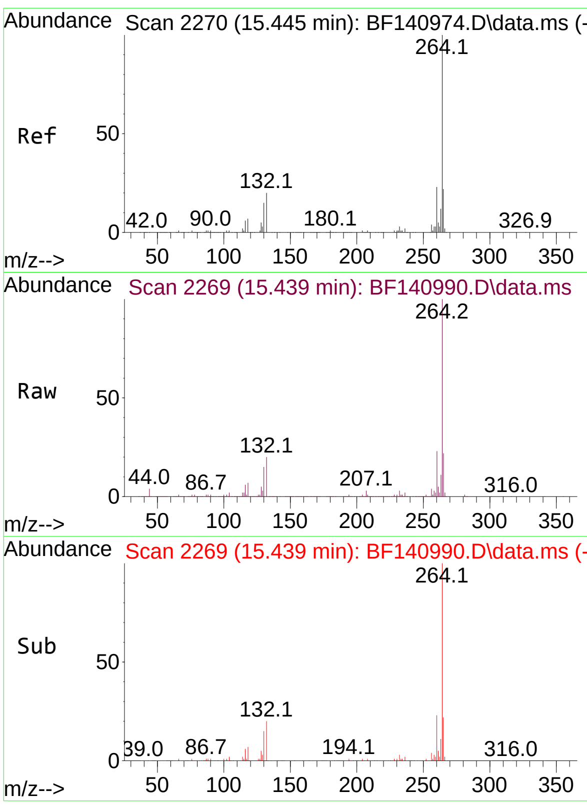
Instrument :
BNA_F
ClientSampleId :
PB165814BS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

Tgt Ion:149 Resp: 210161

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	11.4	9.3	13.9

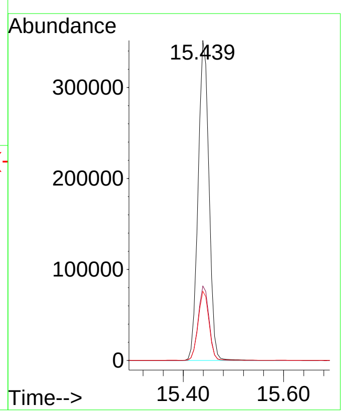




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Tgt Ion:264 Resp: 527325

Ion	Ratio	Lower	Upper
264	100		
260	23.3	18.7	28.1
265	21.6	17.4	26.2

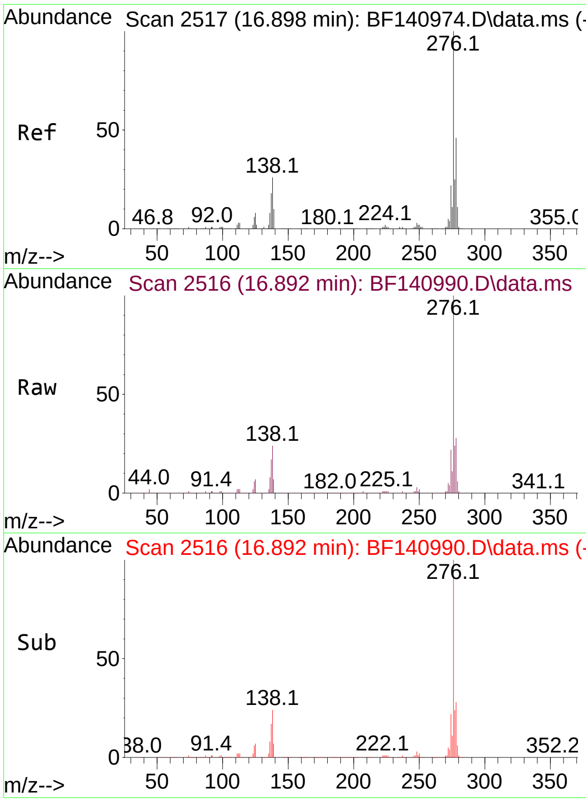


Sample Results: **BF140990.D**

Instrument :
BNA_F
ClientSampleId :
PB165814BS

Manual Integrations
APPROVED

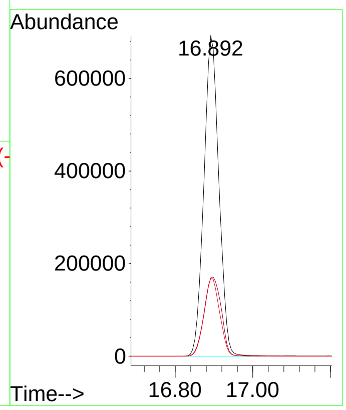
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

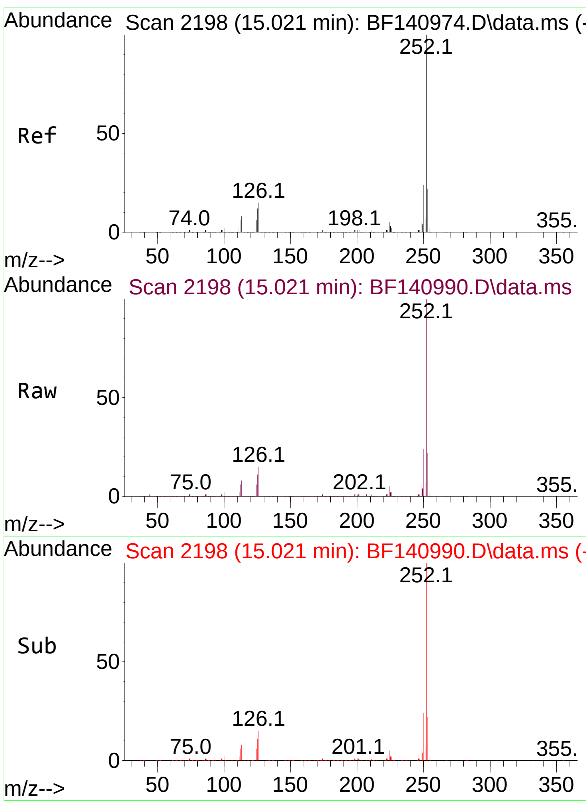


#87
Indeno(1,2,3-cd)pyrene
Concen: 56.052 ng
RT: 16.892 min Scan# 2!
Delta R.T. -0.006 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Tgt Ion:276 Resp: 1862200

Ion	Ratio	Lower	Upper
276	100		
138	28.1	23.1	34.7
277	25.3	20.4	30.6

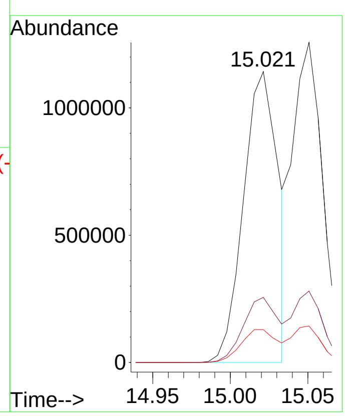




#88
Benzo(b)fluoranthene
Concen: 47.900 ng
RT: 15.021 min Scan# 2198
Delta R.T. -0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Tgt Ion:252 Resp: 1761651

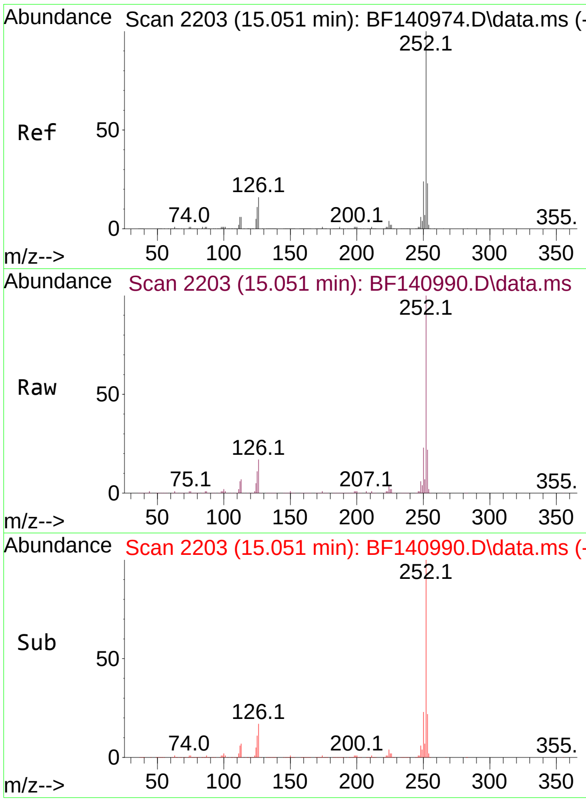
Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.7	26.5
125	11.3	9.3	13.9



Instrument :
BNA_F
ClientSampleId :
PB165814BS

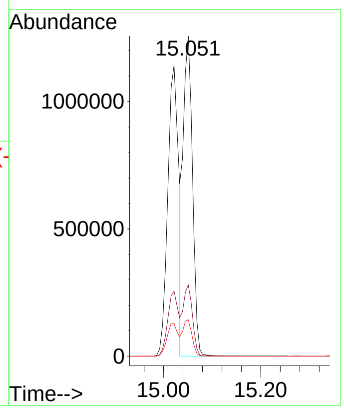
Manual Integrations APPROVED

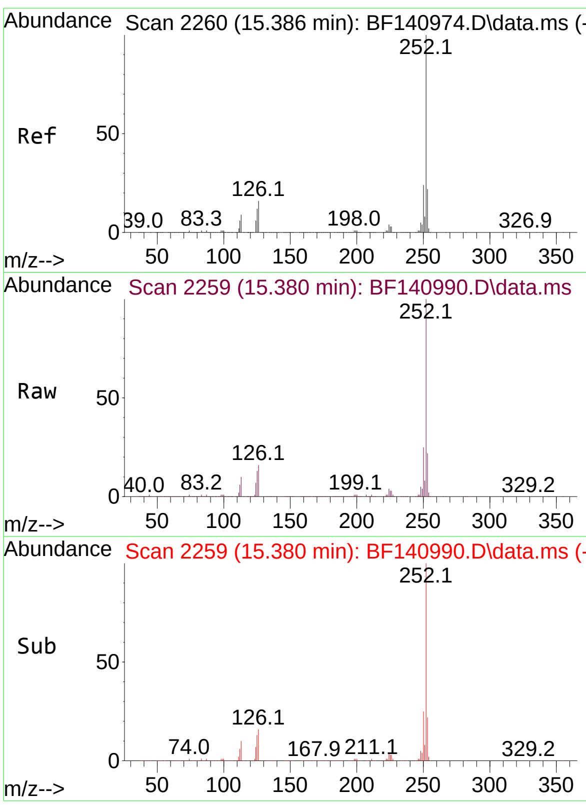
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024




```
#89
Benzo(k)fluoranthene
Concen:   58.553 ng
RT:  15.051 min  Scan# 2
Delta R.T.   -0.000 min
Lab File:   BF140990.D
Acq: 27 Dec 2024  12:14

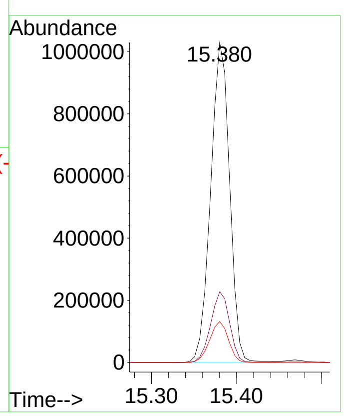
Tgt Ion:252 Resp: 168779
Ion  Ratio  Lower  Upper
252  100
253   22.3   17.8   26.8
125   11.4    9.4   14.0
```

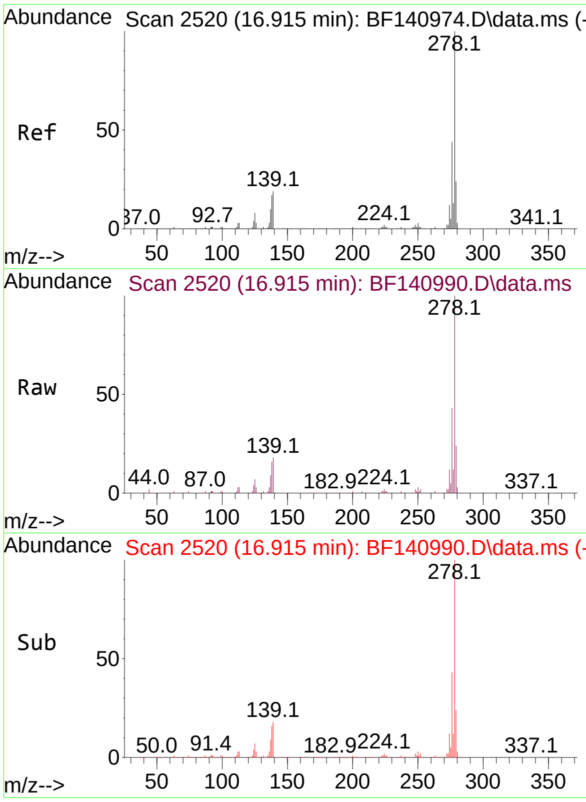





```
#90
Benzo(a)pyrene
Concen:   56.031 ng
RT:  15.380 min  Scan# 2259
Delta R.T.   -0.006 min
Lab File:   BF140990.D
Acq: 27 Dec 2024  12:14

Tgt Ion:252 Resp: 1599470
Ion  Ratio  Lower  Upper
252  100
253   22.1   17.2   25.8
125   12.8    9.8   14.8
```





#91
Dibenzo(a,h)anthracene
Concen: 55.822 ng
RT: 16.915 min Scan# 2!
Delta R.T. -0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Instrument :
BNA_F
ClientSampleId :
PB165814BS

Tgt Ion:278 Resp: 150332

Ion	Ratio	Lower	Upper
278	100		
139	17.7	14.9	22.3
279	23.7	19.0	28.6

Manual Integrations
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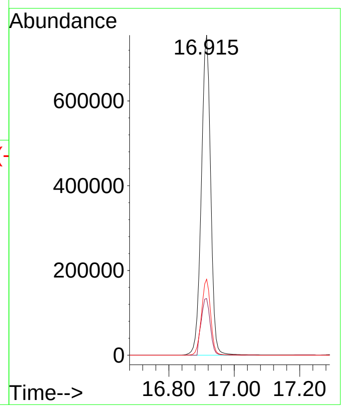
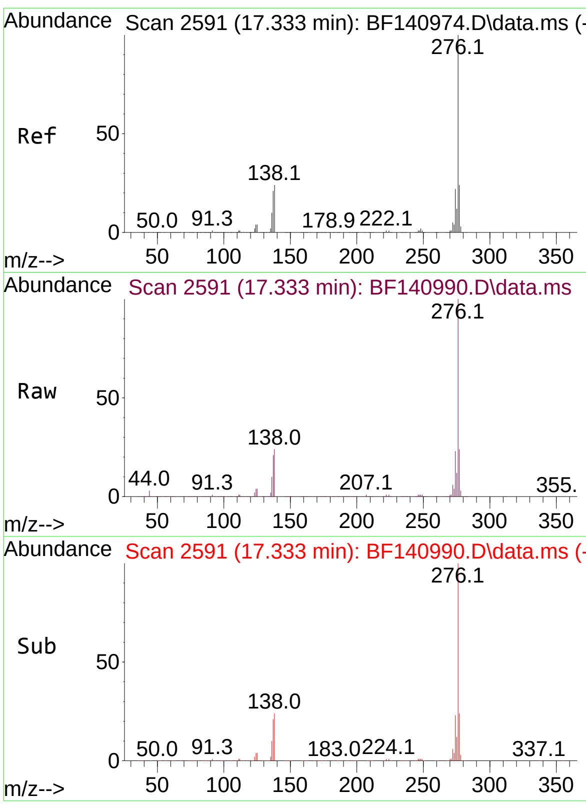
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

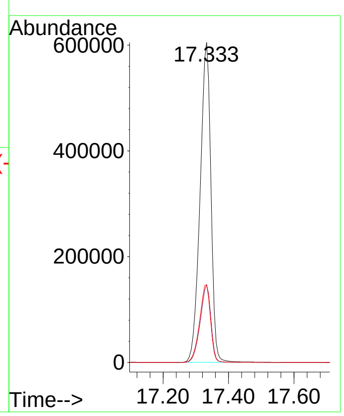




#92
Benzo(g,h,i)perylene
Concen: 49.972 ng
RT: 17.333 min Scan# 2591
Delta R.T. -0.000 min
Lab File: BF140990.D
Acq: 27 Dec 2024 12:14

Tgt Ion:276 Resp: 1395806

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



Raw Data: **BF141002.D**

Alliance TECHNICAL GROUP

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

Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	12/19/24
Project:	Con Ed Non-MGP - East River SI 453648	Date Received:	12/19/24
Client Sample ID:	WC-SOIL-20241219MS	SDG No.:	P5362
Lab Sample ID:	P5362-01MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141002.D	1	12/23/24 09:35	12/27/24 17:46	PB165814

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	490		200	360	ug/Kg
108-95-2	Phenol	1900		90.0	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1700		90.9	180	ug/Kg
95-57-8	2-Chlorophenol	1900		90.6	180	ug/Kg
95-48-7	2-Methylphenol	1900		87.5	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1800		98.7	180	ug/Kg
98-86-2	Acetophenone	1700		94.3	180	ug/Kg
65794-96-9	3+4-Methylphenols	1800		86.6	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1800		43.7	86.8	ug/Kg
67-72-1	Hexachloroethane	1800		90.1	180	ug/Kg
98-95-3	Nitrobenzene	2000		98.6	180	ug/Kg
78-59-1	Isophorone	1800		91.8	180	ug/Kg
88-75-5	2-Nitrophenol	2200		100	180	ug/Kg
105-67-9	2,4-Dimethylphenol	2200		100	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1800		93.1	180	ug/Kg
120-83-2	2,4-Dichlorophenol	1900		82.0	180	ug/Kg
91-20-3	Naphthalene	1700		89.7	180	ug/Kg
106-47-8	4-Chloroaniline	350		89.7	180	ug/Kg
87-68-3	Hexachlorobutadiene	1700		90.4	180	ug/Kg
105-60-2	Caprolactam	1800		94.2	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1900		84.1	180	ug/Kg
91-57-6	2-Methylnaphthalene	1800		89.6	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	4800	E	170	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1900		77.5	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1900		80.3	180	ug/Kg
92-52-4	1,1-Biphenyl	1800		94.9	180	ug/Kg
91-58-7	2-Chloronaphthalene	1700		90.4	180	ug/Kg
88-74-4	2-Nitroaniline	2100		100	180	ug/Kg
131-11-3	Dimethylphthalate	1900		88.7	180	ug/Kg

Raw Data: **BF141002.D**

Alliance TECHNICAL GROUP

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

Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	12/19/24
Project:	Con Ed Non-MGP - East River SI 453648	Date Received:	12/19/24
Client Sample ID:	WC-SOIL-20241219MS	SDG No.:	P5362
Lab Sample ID:	P5362-01MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141002.D	1	12/23/24 09:35	12/27/24 17:46	PB165814

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1900		93.9	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	2000		90.3	180	ug/Kg
99-09-2	3-Nitroaniline	990		96.8	180	ug/Kg
83-32-9	Acenaphthene	2000		88.0	180	ug/Kg
51-28-5	2,4-Dinitrophenol	3500	E	260	360	ug/Kg
100-02-7	4-Nitrophenol	3800	E	130	360	ug/Kg
132-64-9	Dibenzofuran	1800		91.6	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	2100		93.6	180	ug/Kg
84-66-2	Diethylphthalate	1800		86.9	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1800		92.9	180	ug/Kg
86-73-7	Fluorene	1700		92.8	180	ug/Kg
100-01-6	4-Nitroaniline	1700		120	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2200		130	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1900		88.6	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	2000		85.6	180	ug/Kg
118-74-1	Hexachlorobenzene	1900		92.3	180	ug/Kg
1912-24-9	Atrazine	2300		99.2	180	ug/Kg
87-86-5	Pentachlorophenol	3700	E	83.9	360	ug/Kg
85-01-8	Phenanthrene	1900		91.2	180	ug/Kg
120-12-7	Anthracene	1900		91.6	180	ug/Kg
86-74-8	Carbazole	1700		87.2	180	ug/Kg
84-74-2	Di-n-butylphthalate	1900		91.5	180	ug/Kg
206-44-0	Fluoranthene	1600		88.7	180	ug/Kg
129-00-0	Pyrene	1900		90.1	180	ug/Kg
85-68-7	Butylbenzylphthalate	1900		110	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1200		110	360	ug/Kg
56-55-3	Benzo(a)anthracene	1700		87.6	180	ug/Kg
218-01-9	Chrysene	1900		86.3	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1900		98.8	180	ug/Kg
117-84-0	Di-n-octyl phthalate	2200		120	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	1700		88.0	180	ug/Kg

Alliance TECHNICAL GROUP

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

Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	12/19/24
Project:	Con Ed Non-MGP - East River SI 453648	Date Received:	12/19/24
Client Sample ID:	WC-SOIL-20241219MS	SDG No.:	P5362
Lab Sample ID:	P5362-01MS	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92
Sample Wt/Vol:	30.04 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141002.D	1	12/23/24 09:35	12/27/24 17:46	PB165814

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	2100		89.7	180	ug/Kg
50-32-8	Benzo(a)pyrene	2100		100	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1800		84.8	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1800		88.1	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1600		86.9	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1800		94.2	180	ug/Kg
123-91-1	1,4-Dioxane	1700		120	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	2000		81.1	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	106		18 - 112	71%	SPK: 150
13127-88-3	Phenol-d6	107		15 - 107	71%	SPK: 150
4165-60-0	Nitrobenzene-d5	89.0		18 - 107	89%	SPK: 100
321-60-8	2-Fluorobiphenyl	71.8		20 - 109	72%	SPK: 100
118-79-6	2,4,6-Tribromophenol	123		10 - 116	82%	SPK: 150
1718-51-0	Terphenyl-d14	74.3		10 - 105	74%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	257000	6.822			
1146-65-2	Naphthalene-d8	1030000	8.11			
15067-26-2	Acenaphthene-d10	555000	9.857			
1517-22-2	Phenanthrene-d10	907000	11.345			
1719-03-5	Chrysene-d12	515000	13.98			
1520-96-3	Perylene-d12	568000	15.433			

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

Quantitation Report (QT Reviewed)

Sample Results: **BF141002.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF141002.D
Acq On : 27 Dec 2024 17:46
Operator : RC/JU
Sample : P5362-01MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

Quant Time: Dec 27 22:19:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) 1,4-Dichlorobenzene-d4	6.822	152	257040	20.000 ng	0.00
21) Naphthalene-d8	8.110	136	1034308	20.000 ng	0.00
39) Acenaphthene-d10	9.857	164	555359	20.000 ng	0.00
64) Phenanthrene-d10	11.345	188	906851	20.000 ng	0.00
76) Chrysene-d12	13.980	240	514884	20.000 ng	0.00
86) Perylene-d12	15.433	264	567943	20.000 ng	-0.01
System Monitoring Compounds					
5) 2-Fluorophenol	5.440	112	1811423	106.229 ng	0.00
7) Phenol-d6	6.445	99	2354853	107.201 ng	0.00
23) Nitrobenzene-d5	7.387	82	1438878	89.003 ng	0.00
42) 2,4,6-Tribromophenol	10.651	330	665764	123.371 ng	0.00
45) 2-Fluorobiphenyl	9.181	172	2503857	71.832 ng	0.00
79) Terphenyl-d14	12.927	244	2302390	74.274 ng	0.00
Target Compounds					Qvalue
2) 1,4-Dioxane	2.652	88	371155	48.077 ng	98
3) Pyridine	3.381	79	941425	49.899 ng	100
4) n-Nitrosodimethylamine	3.334	42	481862	50.408 ng	99
6) Aniline	6.487	93	630635	32.190 ng	99
8) 2-Chlorophenol	6.604	128	935177	52.017 ng	99
9) Benzaldehyde	6.369	77	204935	13.627 ng	99
10) Phenol	6.463	94	1193269	52.534 ng	100
11) bis(2-Chloroethyl)ether	6.563	93	872337	47.564 ng	99
12) 1,3-Dichlorobenzene	6.763	146	943945	47.576 ng	100
13) 1,4-Dichlorobenzene	6.845	146	953618	47.678 ng	99
14) 1,2-Dichlorobenzene	6.992	146	918543	49.255 ng	99
15) Benzyl Alcohol	6.963	79	828383	52.478 ng	100
16) 2,2'-oxybis(1-Chloropr...	7.098	45	1410717	50.862 ng	100
17) 2-Methylphenol	7.075	107	768676	51.465 ng	100
18) Hexachloroethane	7.339	117	350927	49.390 ng	99
19) n-Nitroso-di-n-propyla...	7.239	70	664662	49.389 ng	99
20) 3+4-Methylphenols	7.228	107	936328	49.539 ng	# 87
22) Acetophenone	7.234	105	1226655	48.345 ng	97
24) Nitrobenzene	7.404	77	979323	54.213 ng	98
25) Isophorone	7.645	82	1787574	50.813 ng	99
26) 2-Nitrophenol	7.722	139	459427	60.506 ng	99
27) 2,4-Dimethylphenol	7.757	122	767514	59.696 ng	99
28) bis(2-Chloroethoxy)met...	7.857	93	1087294	48.781 ng	99
29) 2,4-Dichlorophenol	7.957	162	755558	51.815 ng	99
30) 1,2,4-Trichlorobenzene	8.045	180	768740	46.578 ng	100
31) Naphthalene	8.128	128	2618918	48.052 ng	100
32) Benzoic acid	7.869	122	594830	54.902 ng	98
33) 4-Chloroaniline	8.175	127	193209	9.799 ng	98
34) Hexachlorobutadiene	8.245	225	458440	47.117 ng	99
35) Caprolactam	8.545	113	248670m	50.164 ng	
36) 4-Chloro-3-methylphenol	8.651	107	828506	51.162 ng	99
37) 2-Methylnaphthalene	8.816	142	1719462	49.315 ng	99
38) 1-Methylnaphthalene	8.916	142	1616880	47.186 ng	100
40) 1,2,4,5-Tetrachloroben...	8.981	216	746657	48.870 ng	98
41) Hexachlorocyclopentadiene	8.975	237	670120	132.352 ng	99
43) 2,4,6-Trichlorophenol	9.092	196	545921	53.686 ng	100

Sample Results: **BF141002.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF141002.D
Acq On : 27 Dec 2024 17:46
Operator : RC/JU
Sample : P5362-01MS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

Quant Time: Dec 27 22:19:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.128	196	543015	52.190	ng		99
46) 1,1'-Biphenyl	9.281	154	2087547	49.092	ng		99
47) 2-Chloronaphthalene	9.304	162	1574404	47.738	ng		99
48) 2-Nitroaniline	9.398	65	508552	57.885	ng		96
49) Acenaphthylene	9.722	152	2462591	51.870	ng		99
50) Dimethylphthalate	9.586	163	1870856	51.215	ng		100
51) 2,6-Dinitrotoluene	9.645	165	412808	54.848	ng		96
52) Acenaphthene	9.892	154	1751630	54.574	ng		99
53) 3-Nitroaniline	9.804	138	210623	27.494	ng	#	95
54) 2,4-Dinitrophenol	9.916	184	315098	96.798	ng	#	1
55) Dibenzofuran	10.069	168	2260200	50.108	ng		99
56) 4-Nitrophenol	9.963	139	663441	106.173	ng		99
57) 2,4-Dinitrotoluene	10.045	165	549386	59.115	ng		97
58) Fluorene	10.410	166	1685123	48.177	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.180	232	472796	54.868	ng		99
60) Diethylphthalate	10.286	149	1813920	50.298	ng		100
61) 4-Chlorophenyl-phenyle...	10.404	204	817145	48.552	ng		97
62) 4-Nitroaniline	10.422	138	379238	46.936	ng		94
63) Azobenzene	10.563	77	2097895	55.422	ng		95
65) 4,6-Dinitro-2-methylph...	10.451	198	224925	59.442	ng		96
66) n-Nitrosodiphenylamine	10.522	169	1533418	53.698	ng		99
67) 4-Bromophenyl-phenylether	10.892	248	536086	54.685	ng		97
68) Hexachlorobenzene	10.951	284	573318	53.038	ng		98
69) Atrazine	11.045	200	511372	64.099	ng		99
70) Pentachlorophenol	11.145	266	684732	101.741	ng		99
71) Phenanthrene	11.369	178	2476825	51.894	ng		99
72) Anthracene	11.422	178	2517077	53.821	ng		100
73) Carbazole	11.575	167	2079994	46.264	ng		100
74) Di-n-butylphthalate	11.910	149	2631937	51.469	ng		100
75) Fluoranthene	12.557	202	2282428	44.093	ng		99
77) Benzidine	12.674	184	265929	24.438	ng		99
78) Pyrene	12.786	202	2340656	51.979	ng		100
80) Butylbenzylphthalate	13.410	149	867445	52.754	ng		99
81) Benzo(a)anthracene	13.968	228	1727713	48.147	ng		99
82) 3,3'-Dichlorobenzidine	13.933	252	348638	32.337	ng		99
83) Chrysene	14.010	228	1689925	52.241	ng		100
84) Bis(2-ethylhexyl)phtha...	13.968	149	1103487	51.736	ng		100
85) Di-n-octyl phthalate	14.586	149	1866207	60.453	ng		99
87) Indeno(1,2,3-cd)pyrene	16.886	276	1824299	50.984	ng		99
88) Benzo(b)fluoranthene	15.015	252	1812141	45.749	ng		99
89) Benzo(k)fluoranthene	15.045	252	1791117m	57.693	ng		
90) Benzo(a)pyrene	15.374	252	1766988	57.473	ng		98
91) Dibenzo(a,h)anthracene	16.904	278	1430468	49.318	ng		100
92) Benzo(g,h,i)perylene	17.321	276	1332683	44.299	ng		100

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

Quantitation Report (QT Reviewed)

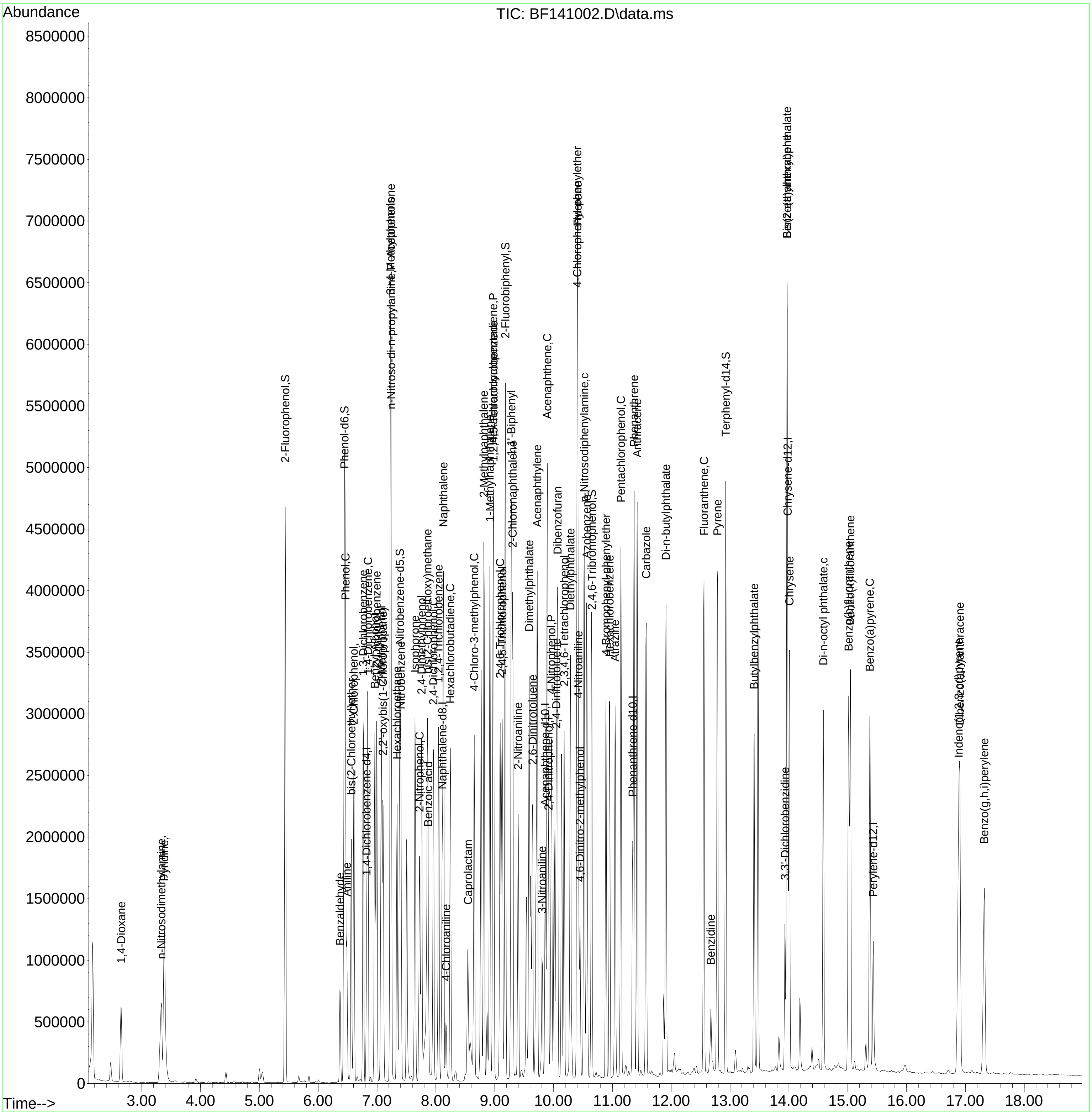
Sample Results: **BF141002.D**

```
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF141002.D
Acq On    : 27 Dec 2024  17:46
Operator  : RC/JU
Sample    : P5362-01MS
Misc      :
ALS Vial  : 10   Sample Multiplier: 1

Quant Time: Dec 27 22:19:31 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration
```

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

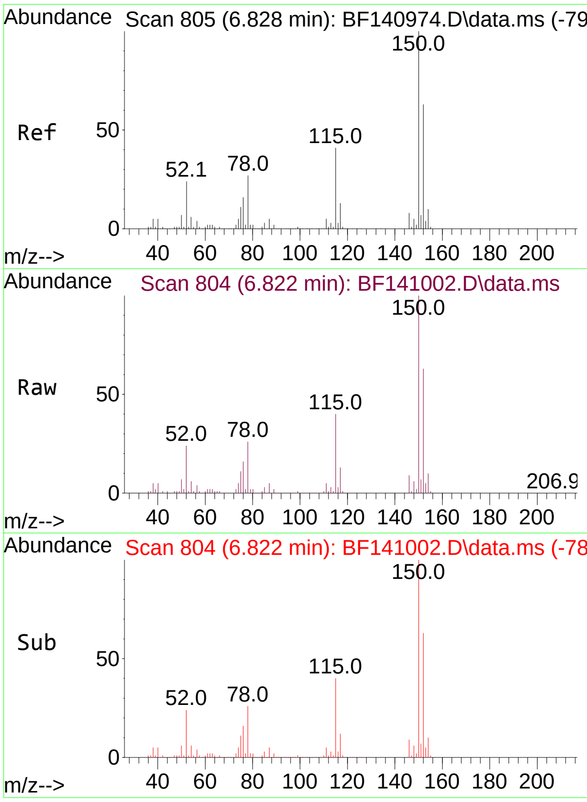
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

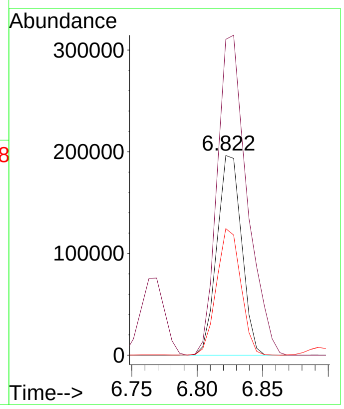
Manual Integrations
APPROVED

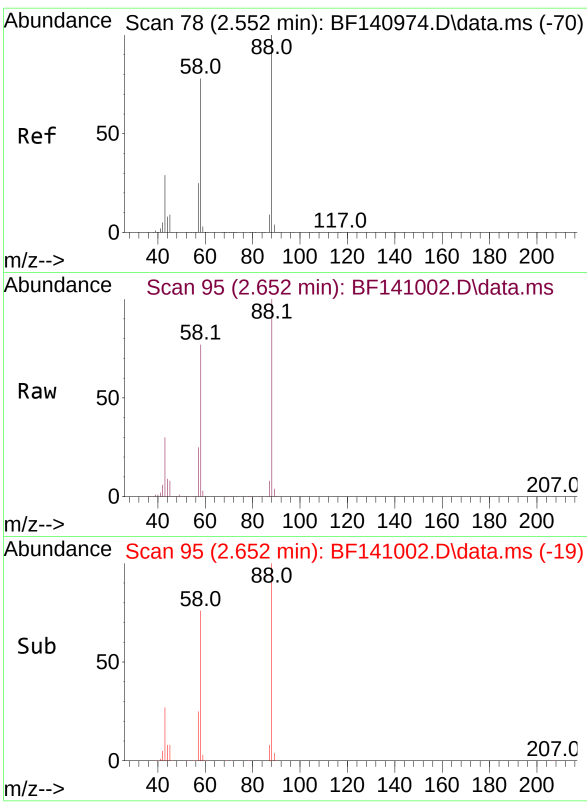
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024




```
#1
1,4-Dichlorobenzene-d4
Concen:   20.000 ng
RT:   6.822 min  Scan# 8
Delta R.T.  -0.006 min
Lab File:   BF141002.D
Acq: 27 Dec 2024  17:46

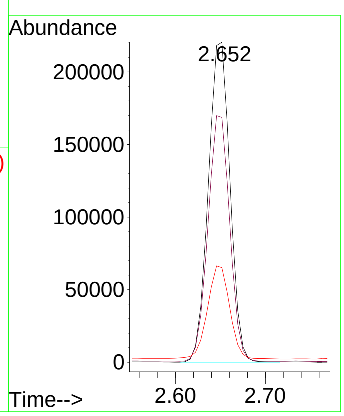
Tgt Ion:152 Resp:  25704
Ion  Ratio  Lower  Upper
152  100
150  158.1  127.0  190.6
115   63.4   51.7   77.5
```






```
#2
1,4-Dioxane
Concen:   48.077 ng
RT:   2.652 min  Scan# 95
Delta R.T.  0.100 min
Lab File:   BF141002.D
Acq: 27 Dec 2024  17:46

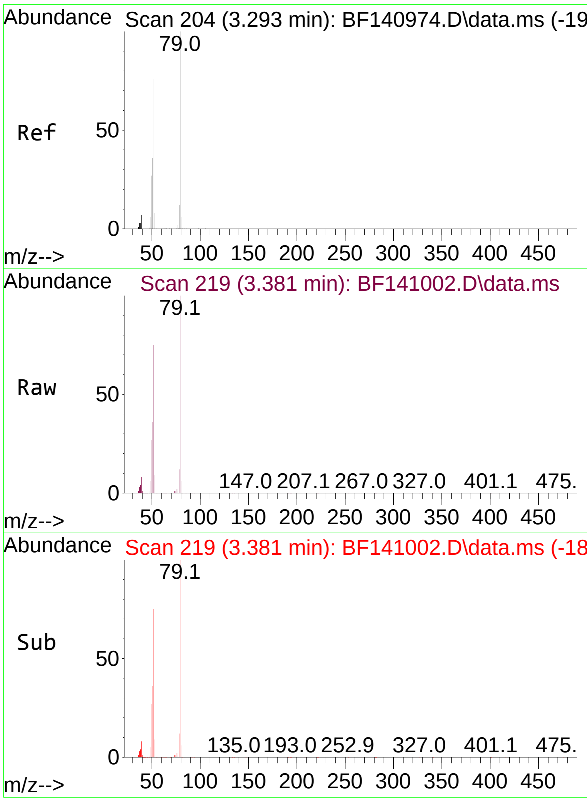
Tgt Ion: 88 Resp:  371155
Ion  Ratio  Lower  Upper
 88  100
 58   77.0   63.0   94.4
 43   29.9   23.4   35.2
```



Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Manual Integrations APPROVED

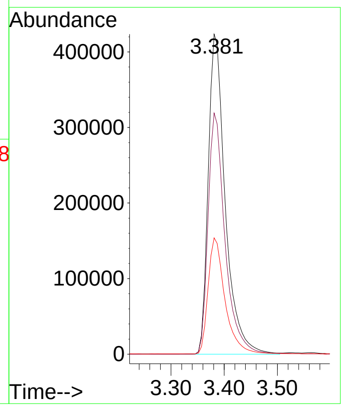
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

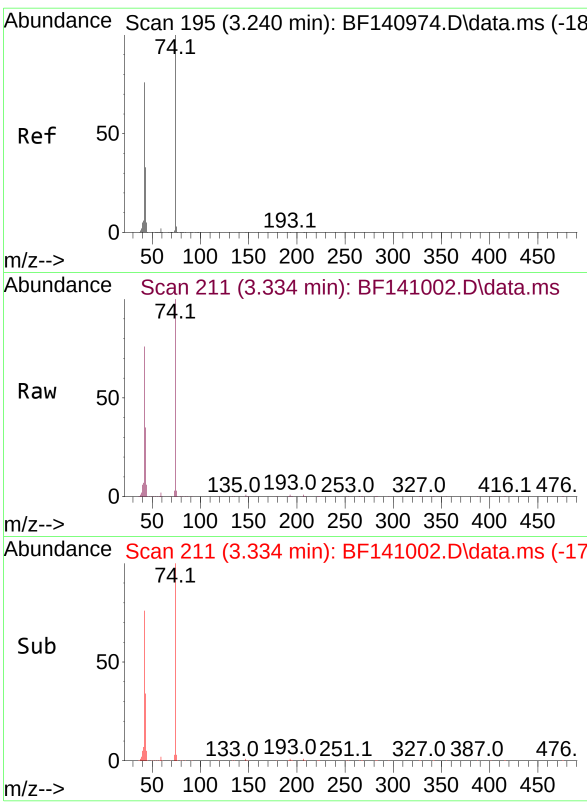


#3
Pyridine
Concen: 49.899 ng
RT: 3.381 min Scan# 2
Delta R.T. 0.088 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion: 79 Resp: 94142

Ion	Ratio	Lower	Upper
79	100		
52	75.3	60.4	90.6
51	36.4	28.8	43.2

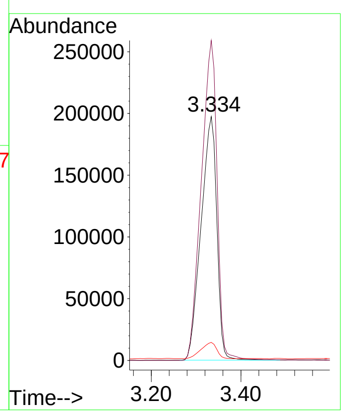


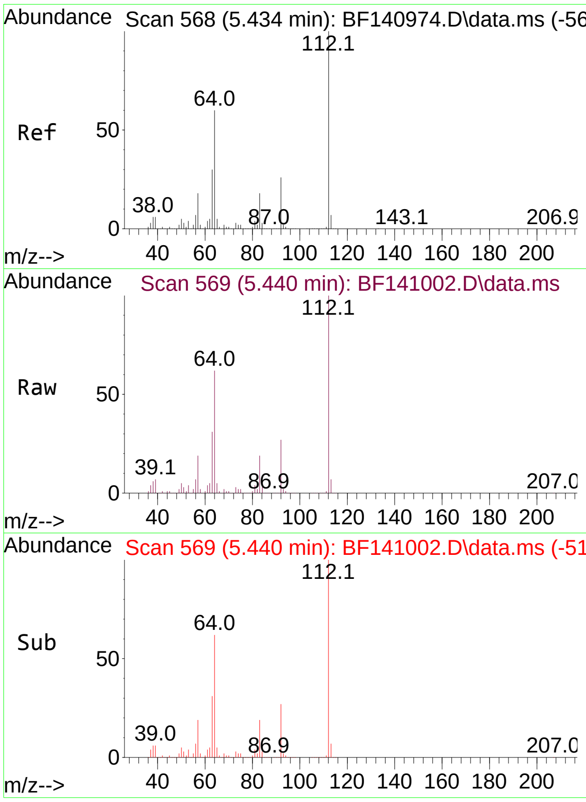


#4
n-Nitrosodimethylamine
Concen: 50.408 ng
RT: 3.334 min Scan# 211
Delta R.T. 0.094 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion: 42 Resp: 481862

Ion	Ratio	Lower	Upper
42	100		
74	131.2	105.8	158.6
44	7.4	6.6	10.0





#5
2-Fluorophenol
Concen: 106.229 ng
RT: 5.440 min Scan# 5(
Delta R.T. 0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

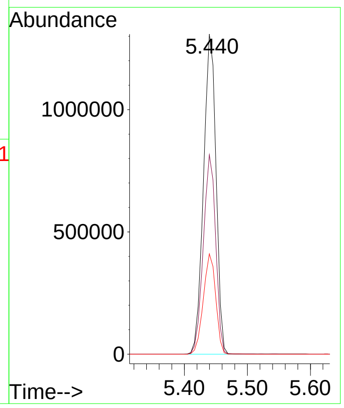
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

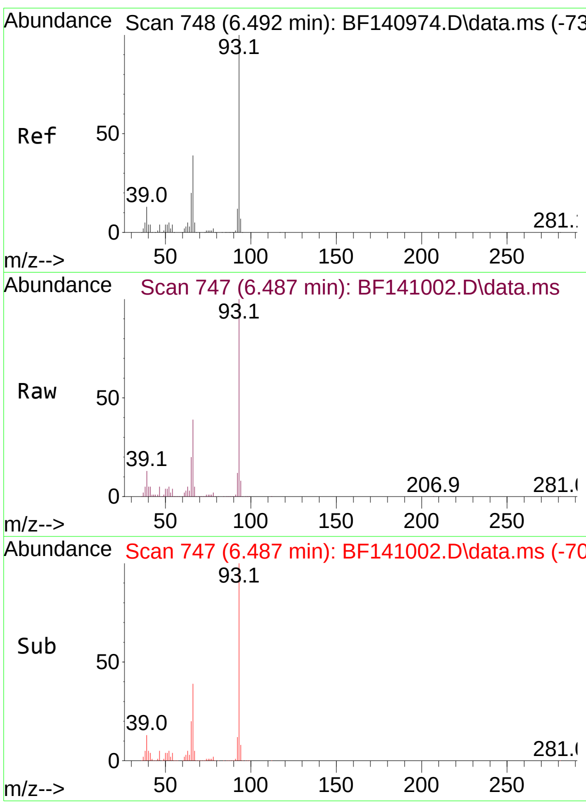
Tgt Ion:112 Resp: 181142

Ion	Ratio	Lower	Upper
112	100		
64	62.3	47.7	71.5
63	31.3	24.2	36.2

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

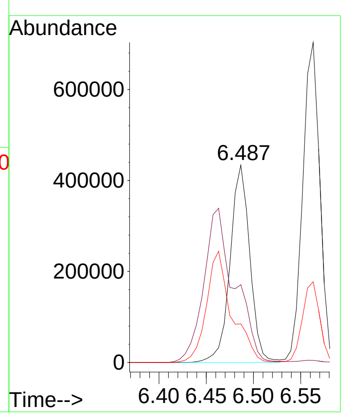




#6
Aniline
Concen: 32.190 ng
RT: 6.487 min Scan# 747
Delta R.T. -0.024 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion: 93 Resp: 630635

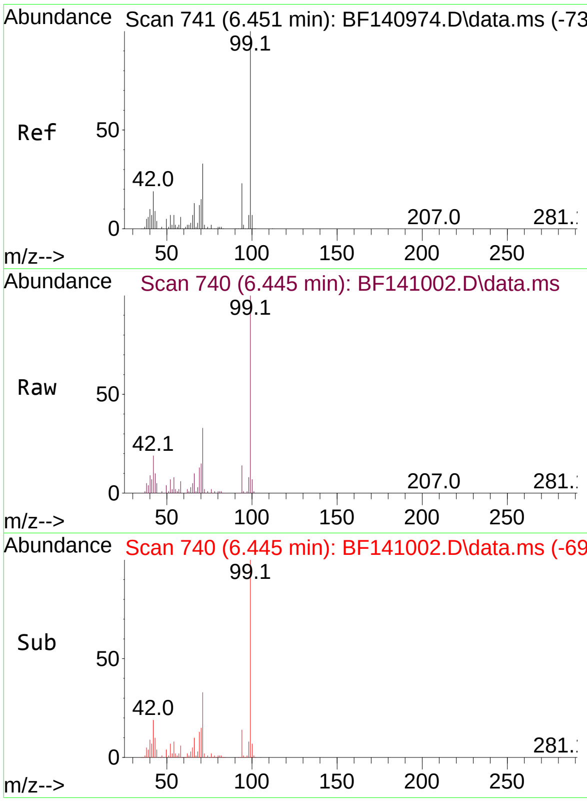
Ion	Ratio	Lower	Upper
93	100		
66	39.4	31.8	47.8
65	19.6	15.4	23.0



Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Manual Integrations
APPROVED

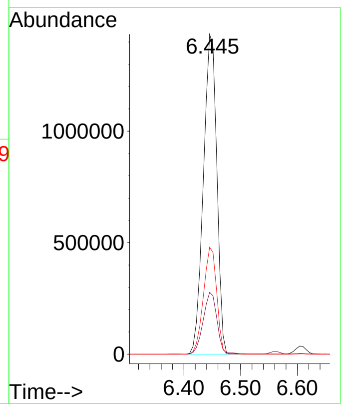
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

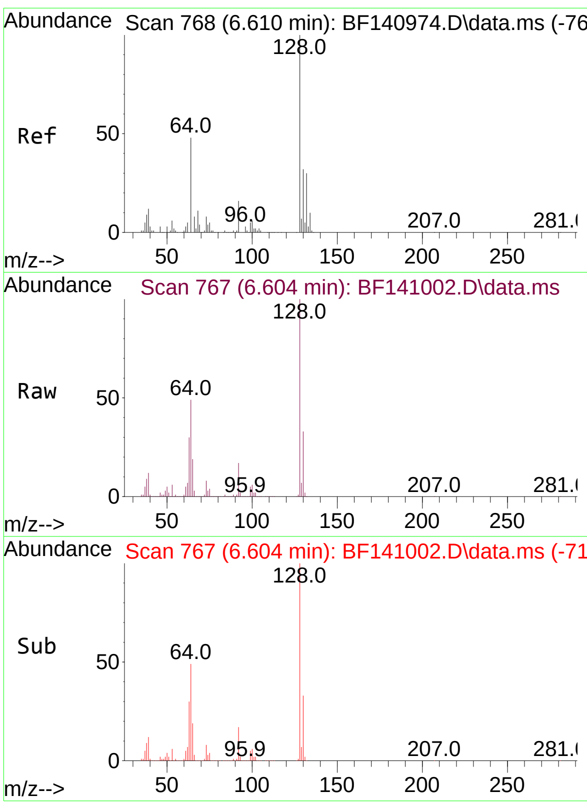


#7
Phenol-d6
Concen: 107.201 ng
RT: 6.445 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion: 99 Resp: 235485

Ion	Ratio	Lower	Upper
99	100		
42	19.3	15.0	22.4
71	33.4	26.2	39.2

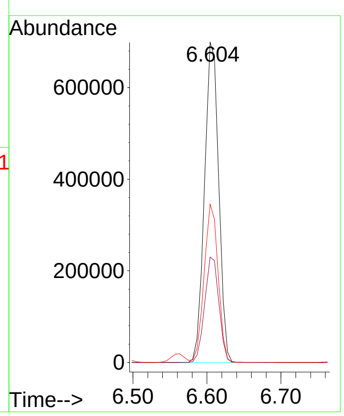


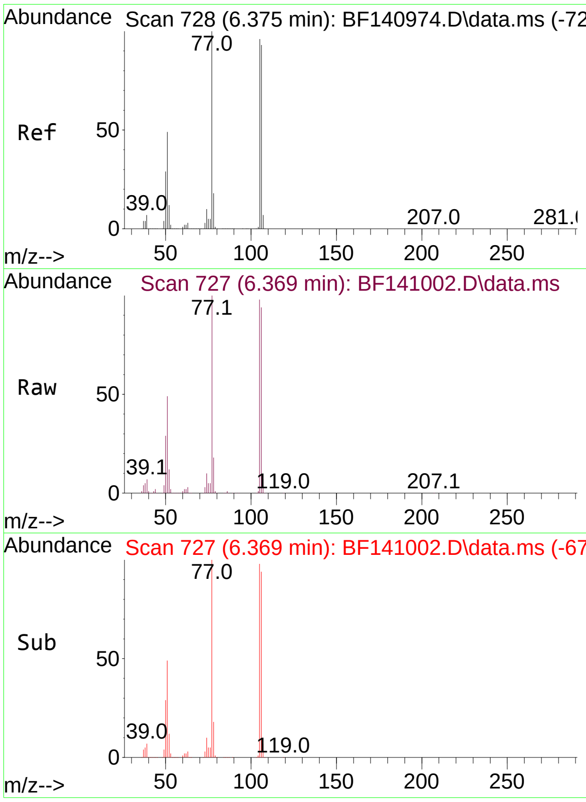


#8
2-Chlorophenol
Concen: 52.017 ng
RT: 6.604 min Scan# 767
Delta R.T. -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:128 Resp: 935177

Ion	Ratio	Lower	Upper
128	100		
130	32.9	12.2	52.2
64	49.4	30.3	70.3





#9
Benzaldehyde
Concen: 13.627 ng
RT: 6.369 min   Scan# 7
Delta R.T.   -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024   17:46

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion: 77 Resp: 20493

Ion	Ratio	Lower	Upper
77	100		
105	97.7	76.2	116.2
106	93.9	73.4	113.4

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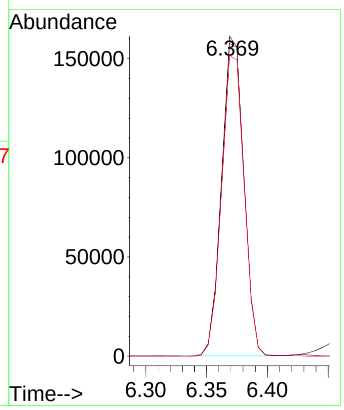
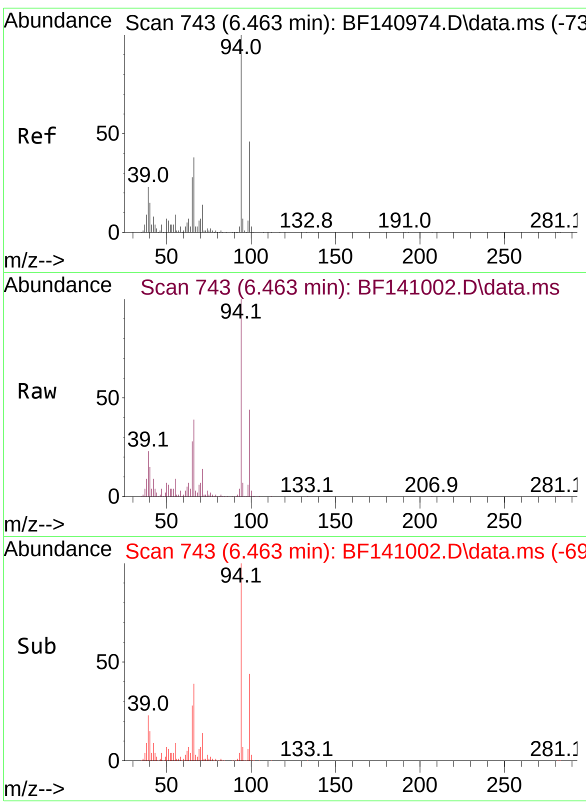
Supervised By :mohammad ahmed   12/30/2024

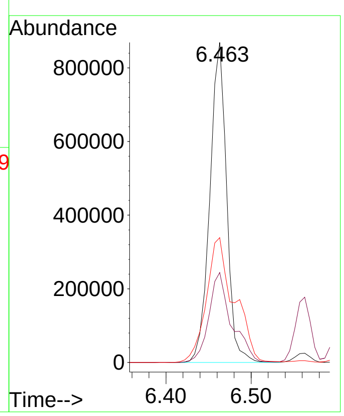


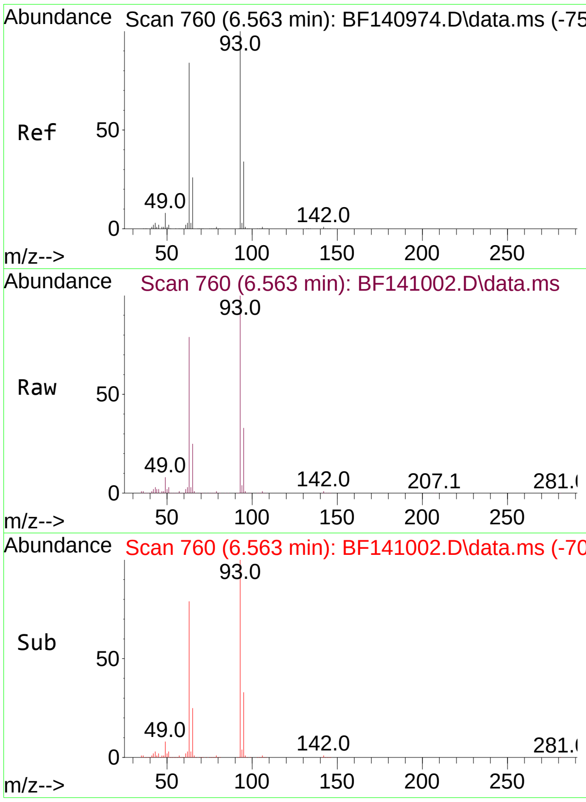


#10
Phenol
Concen: 52.534 ng
RT: 6.463 min   Scan# 743
Delta R.T.   -0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024   17:46

Tgt Ion: 94 Resp: 1193269

Ion	Ratio	Lower	Upper
94	100		
65	28.1	8.1	48.1
66	39.0	18.7	58.7





#11
bis(2-Chloroethyl)ether
Concen: 47.564 ng
RT: 6.563 min Scan# 7(
Delta R.T. -0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion: 93 Resp: 87233

Ion	Ratio	Lower	Upper
93	100		
63	78.9	60.3	100.3
95	32.6	12.2	52.2

Instrument :
BNA_F
ClientSampleId :
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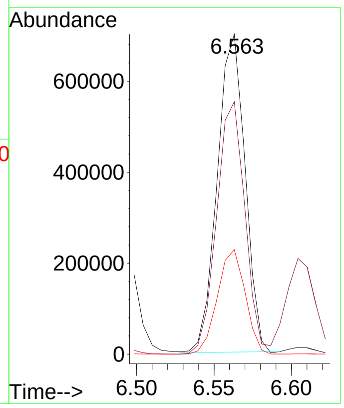
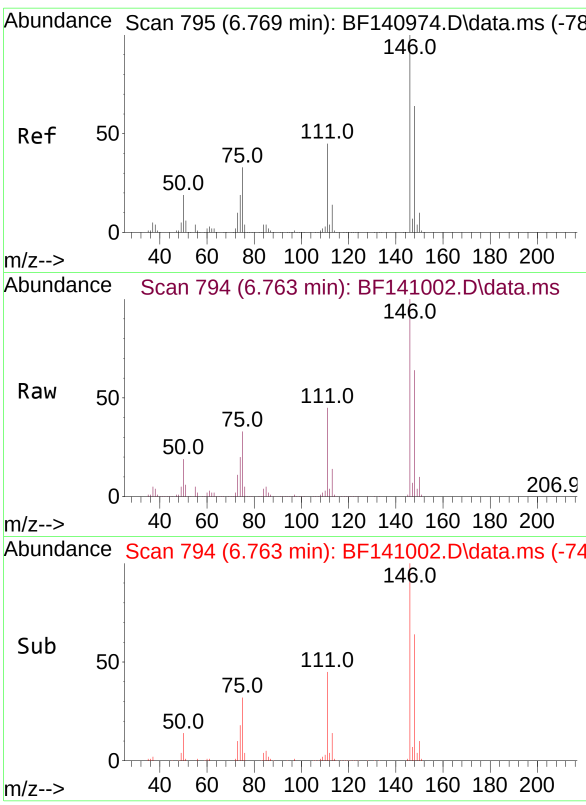
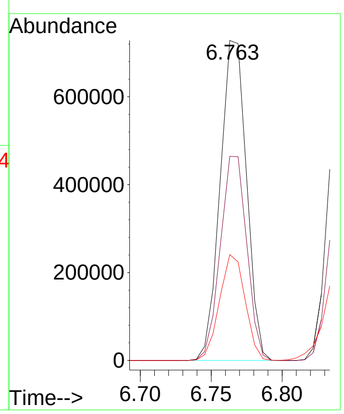


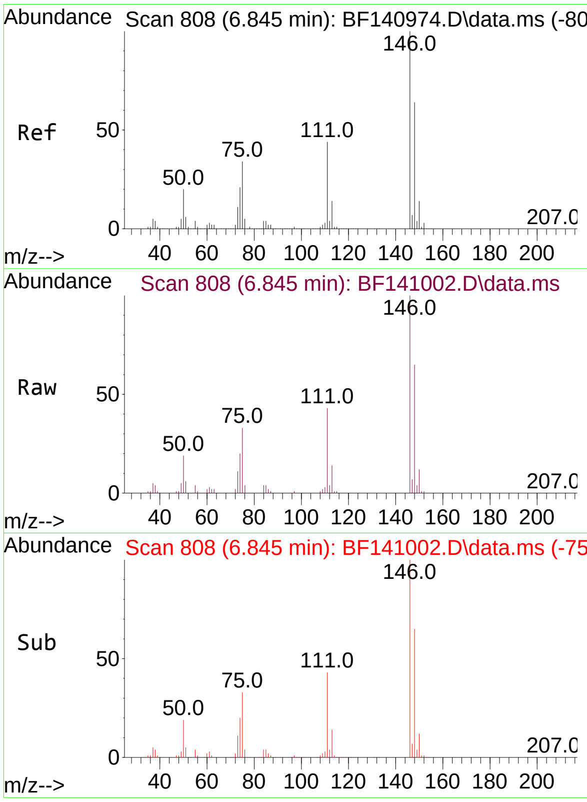


#12
1,3-Dichlorobenzene
Concen: 47.576 ng
RT: 6.763 min Scan# 794
Delta R.T. -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:146 Resp: 943945

Ion	Ratio	Lower	Upper
146	100		
148	63.8	51.0	76.4
75	33.1	26.1	39.1

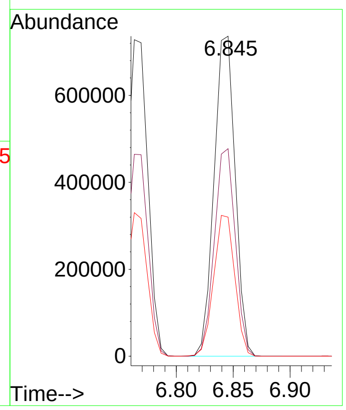




#13
1,4-Dichlorobenzene
Concen: 47.678 ng
RT: 6.845 min Scan# 8
Delta R.T. -0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:146 Resp: 95361

Ion	Ratio	Lower	Upper
146	100		
148	64.9	51.3	76.9
111	43.4	35.3	52.9



Instrument :
BNA_F
ClientSampleId :
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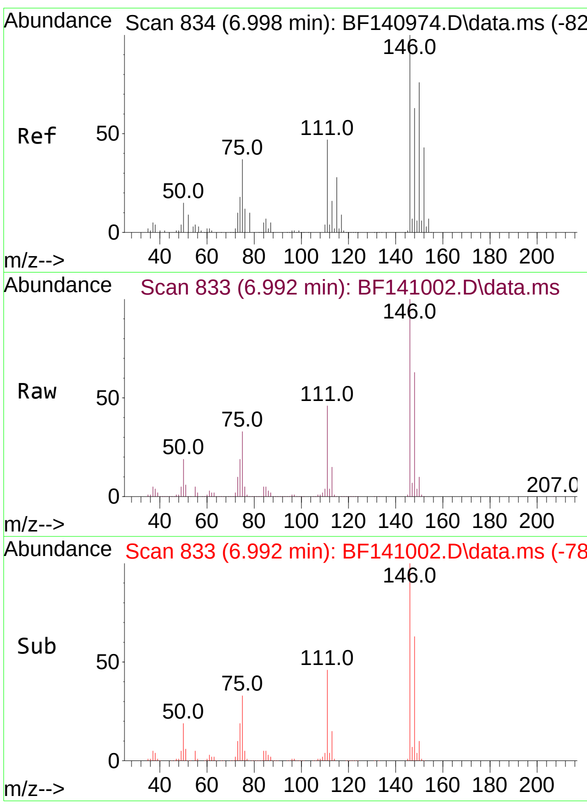
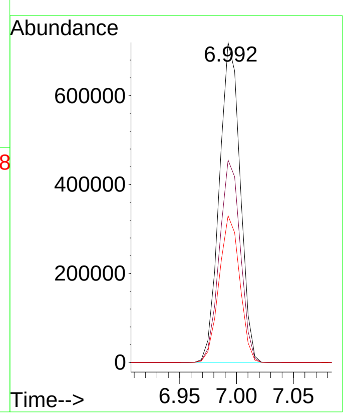


#14
1,2-Dichlorobenzene
Concen: 49.255 ng
RT: 6.992 min Scan# 833
Delta R.T. -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:146 Resp: 918543

Ion	Ratio	Lower	Upper
146	100		
148	63.3	50.6	76.0
111	45.8	37.3	55.9



Instrument :
BNA_F
ClientSampleId :
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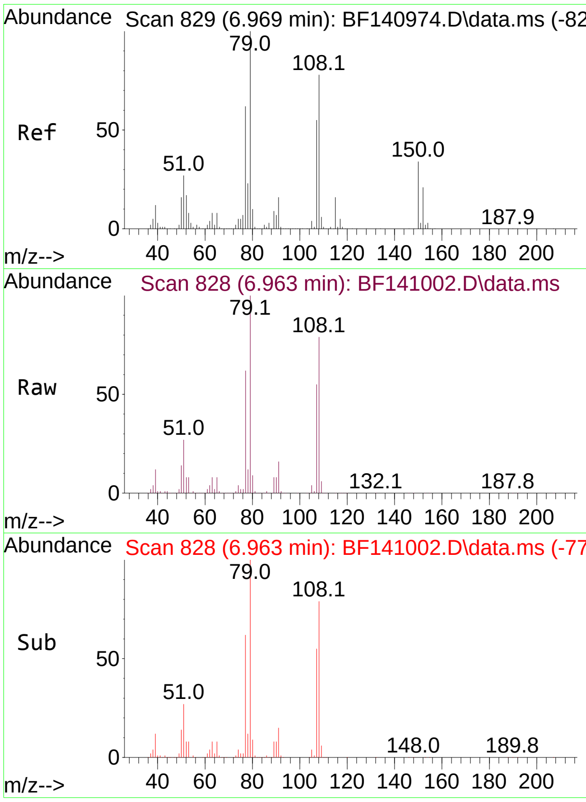
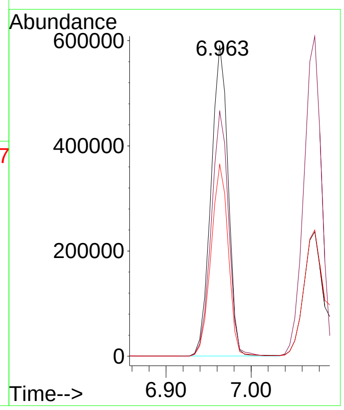
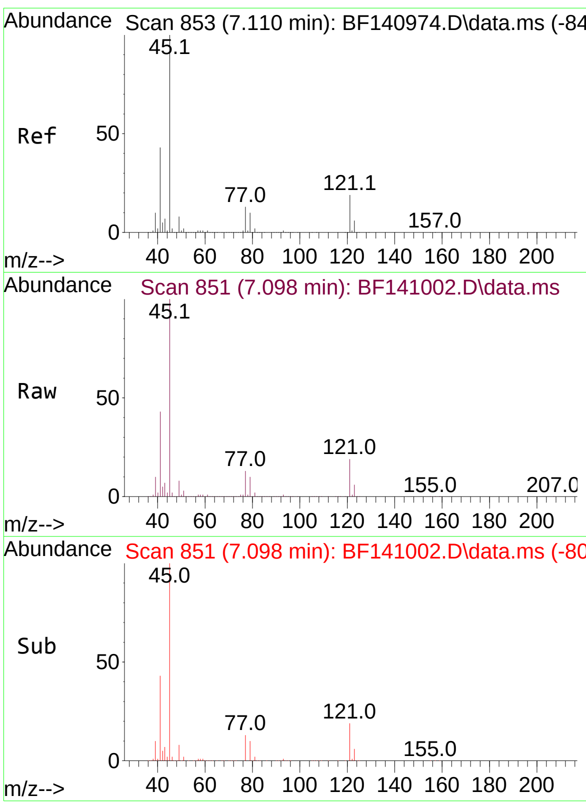



```
#15
Benzyl Alcohol
Concen:   52.478 ng
RT:   6.963 min  Scan# 8
Delta R.T.  -0.006 min
Lab File:   BF141002.D
Acq: 27 Dec 2024  17:46

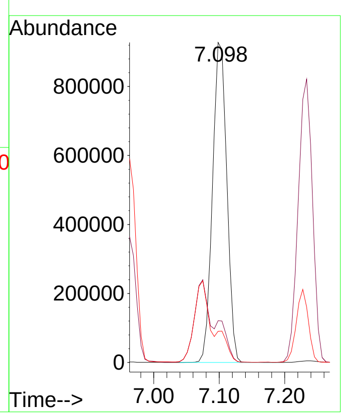
Tgt Ion: 79 Resp:  82838
Ion  Ratio  Lower  Upper
 79  100
108   78.7   62.5   93.7
 77   61.7   49.3   73.9
```

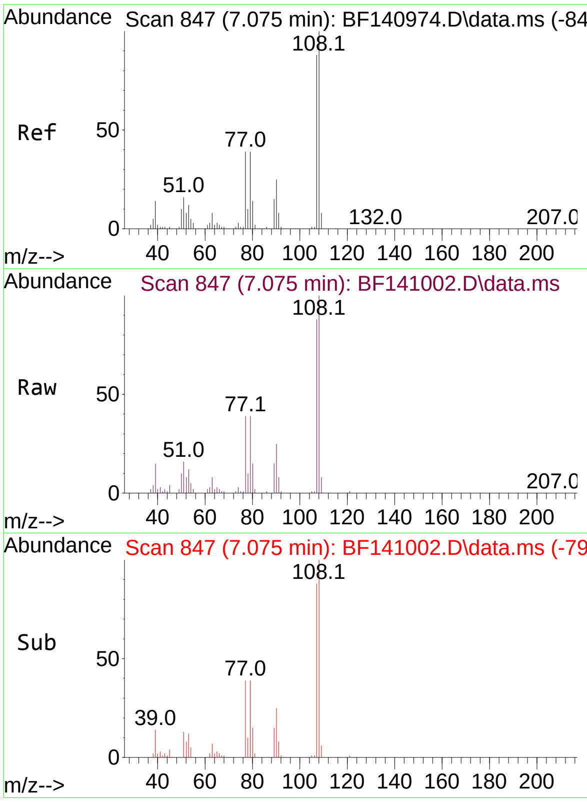





```
#16
2,2'-oxybis(1-Chloropropane)
Concen:   50.862 ng
RT:   7.098 min  Scan# 851
Delta R.T.  -0.012 min
Lab File:   BF141002.D
Acq: 27 Dec 2024  17:46

Tgt Ion: 45 Resp: 1410717
Ion  Ratio  Lower  Upper
 45  100
 77   13.1    0.0   33.1
 79    9.8    0.0   30.1
```

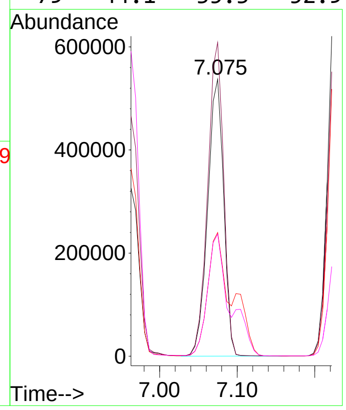




#17
2-Methylphenol
Concen: 51.465 ng
RT: 7.075 min Scan# 84
Delta R.T. -0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:107 Resp: 76867(

Ion	Ratio	Lower	Upper
107	100		
108	113.3	90.6	136.0
77	44.7	35.3	52.9
79	44.1	35.3	52.9



Instrument :
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ClientSampleId :
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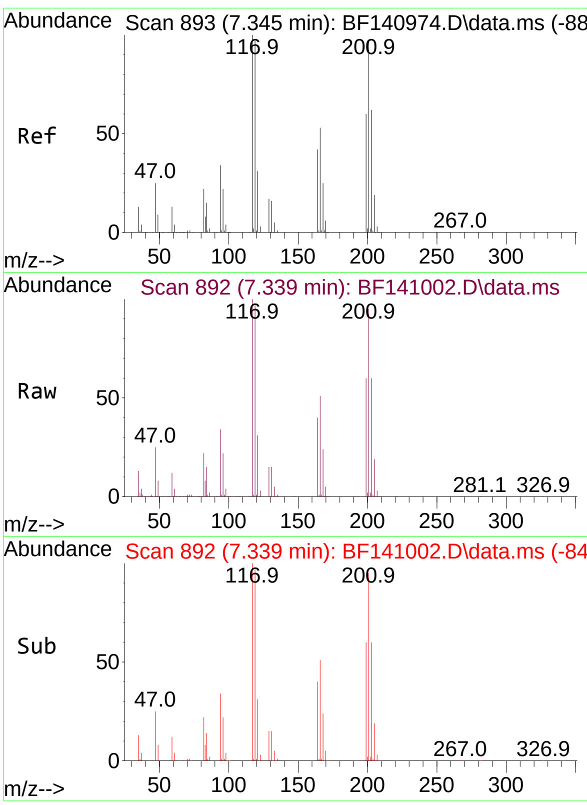
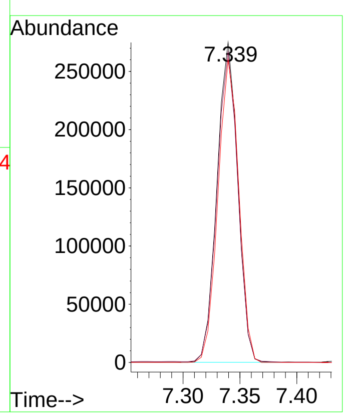


#18
Hexachloroethane
Concen: 49.390 ng
RT: 7.339 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:117 Resp: 350927

Ion	Ratio	Lower	Upper
117	100		
119	96.9	77.5	116.3
201	94.6	77.4	116.2



Instrument :
BNA_F
ClientSampleId :
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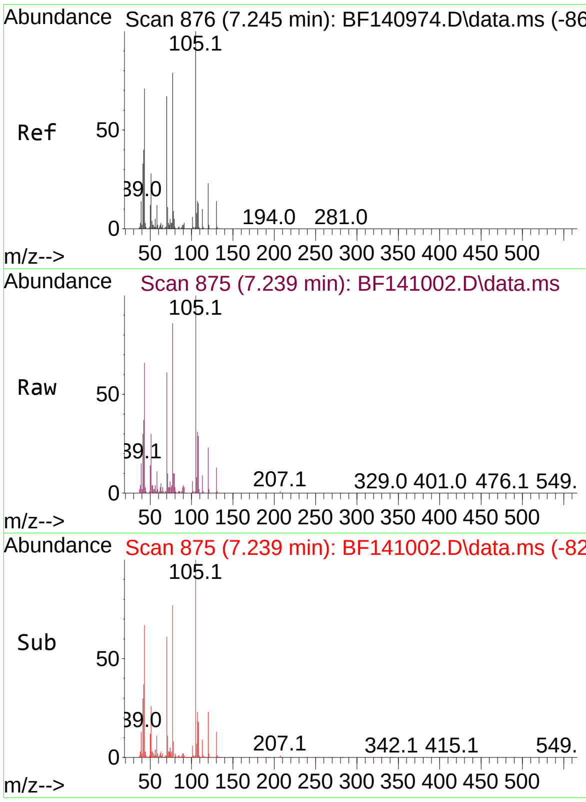
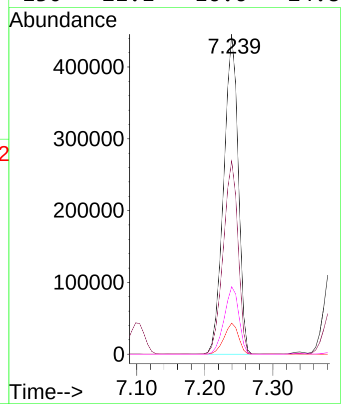
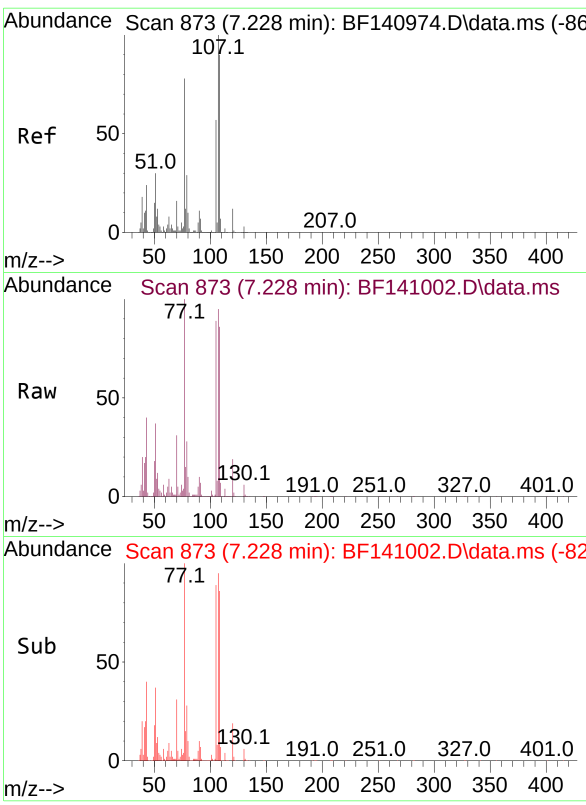


#19
n-Nitroso-di-n-propylamine
Concen: 49.389 ng
RT: 7.239 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion: 70 Resp: 66466

Ion	Ratio	Lower	Upper
70	100		
42	60.5	48.1	72.1
101	9.7	7.6	11.4
130	21.1	16.6	24.8

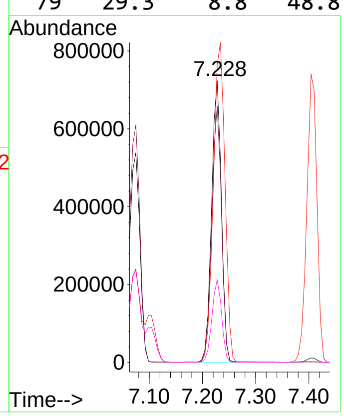




#20
3+4-Methylphenols
Concen: 49.539 ng
RT: 7.228 min Scan# 873
Delta R.T. -0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:107 Resp: 936328

Ion	Ratio	Lower	Upper
107	100		
108	90.9	69.6	109.6
77	105.4	57.6	97.6#
79	29.3	8.8	48.8



Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

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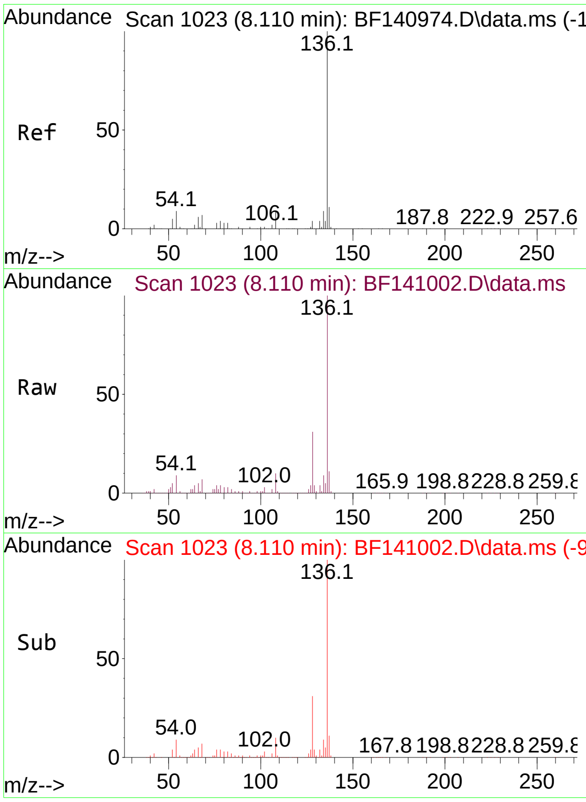
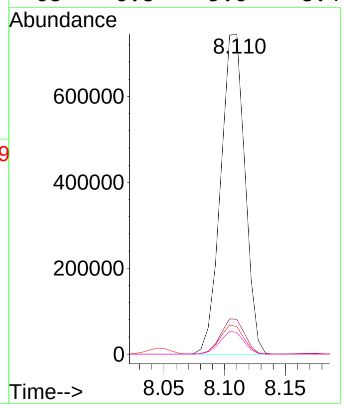
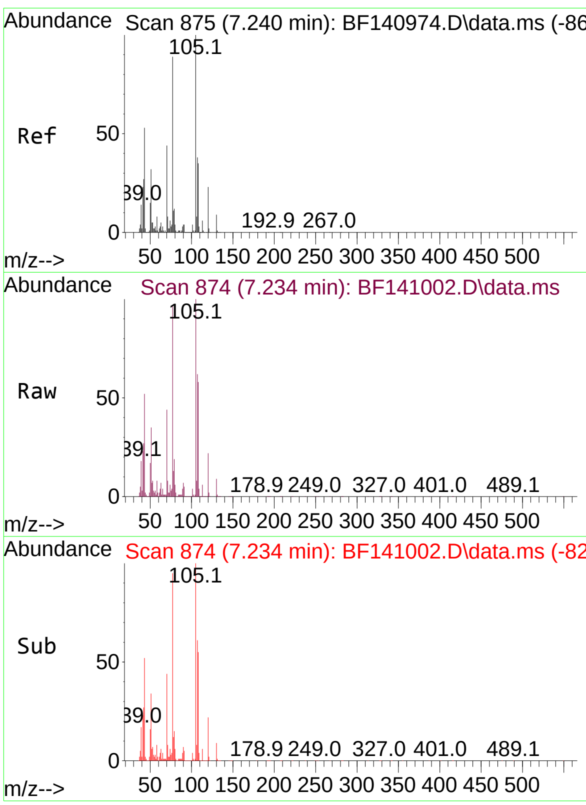


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.110 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:136 Resp: 103430

Ion	Ratio	Lower	Upper
136	100		
137	10.9	9.0	13.4
54	8.6	7.6	11.4
68	6.8	5.6	8.4

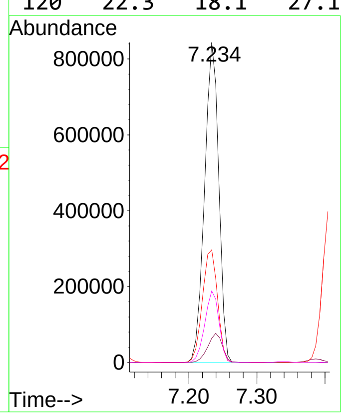




#22
Acetophenone
Concen: 48.345 ng
RT: 7.234 min Scan# 874
Delta R.T. -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:105 Resp: 1226655

Ion	Ratio	Lower	Upper
105	100		
71	7.5	6.1	9.1
51	35.2	25.8	38.6
120	22.3	18.1	27.1



Sample Results: **BF141002.D**

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

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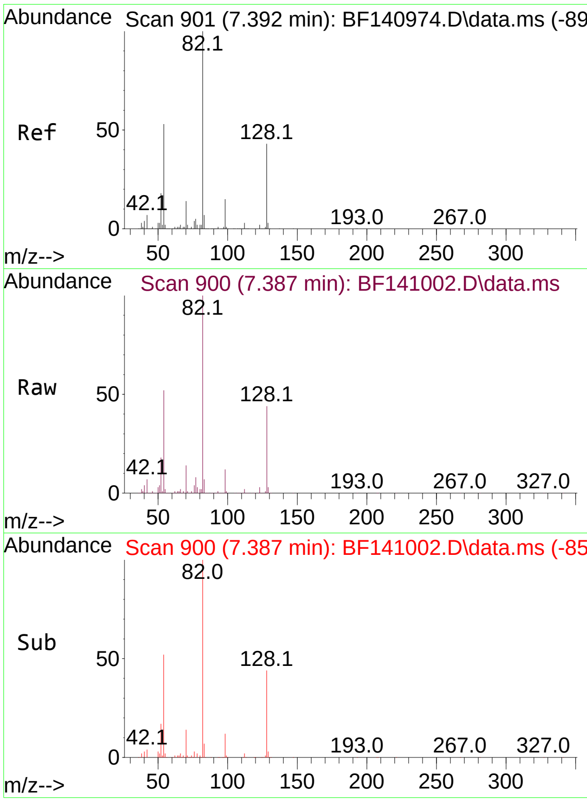
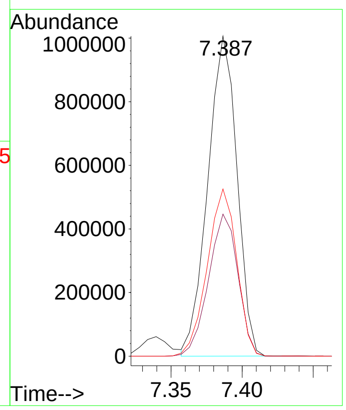
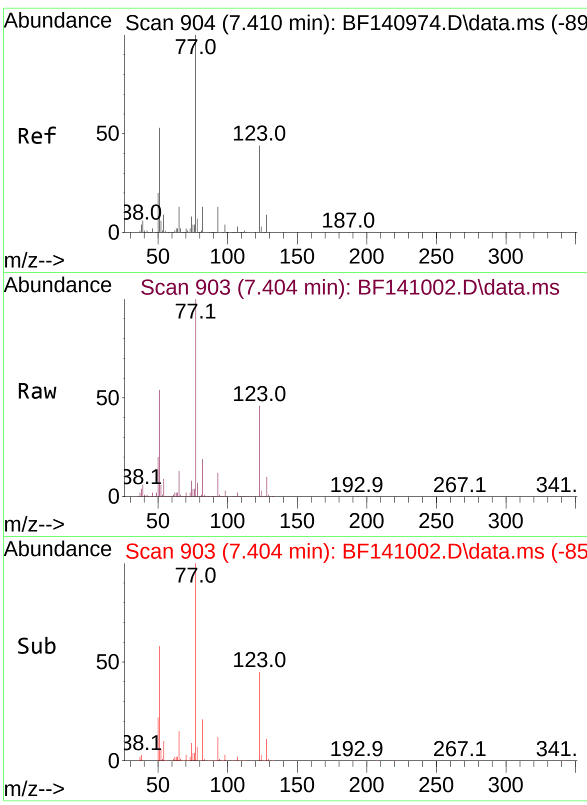



```
#23
Nitrobenzene-d5
Concen:    89.003 ng
RT:    7.387 min   Scan# 9
Delta R.T.   -0.006 min
Lab File:    BF141002.D
Acq: 27 Dec 2024   17:46

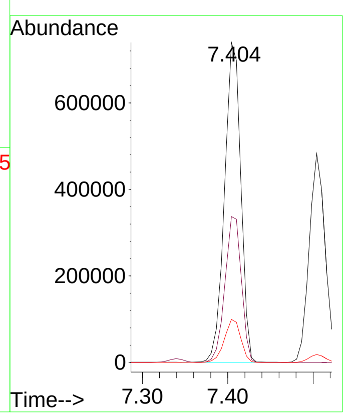
Tgt Ion: 82 Resp: 143887
Ion   Ratio   Lower   Upper
 82   100
128    44.4    34.4    51.6
 54    52.2    42.4    63.6
```






```
#24
Nitrobenzene
Concen:    54.213 ng
RT:    7.404 min   Scan# 903
Delta R.T.   -0.006 min
Lab File:    BF141002.D
Acq: 27 Dec 2024   17:46

Tgt Ion: 77 Resp:   979323
Ion   Ratio   Lower   Upper
 77   100
123    45.6    35.4    53.2
 65    13.5    10.7    16.1
```



Instrument :
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ClientSampleId :
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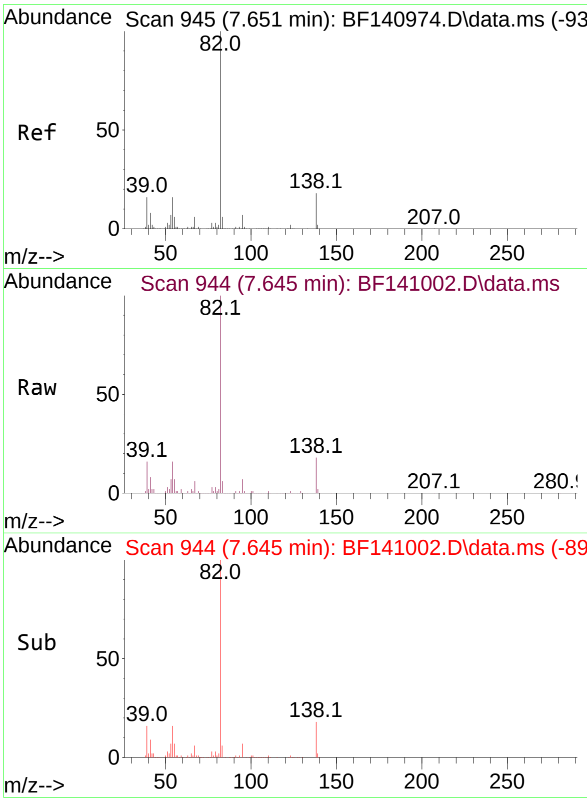
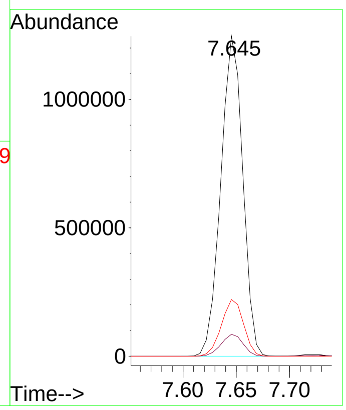
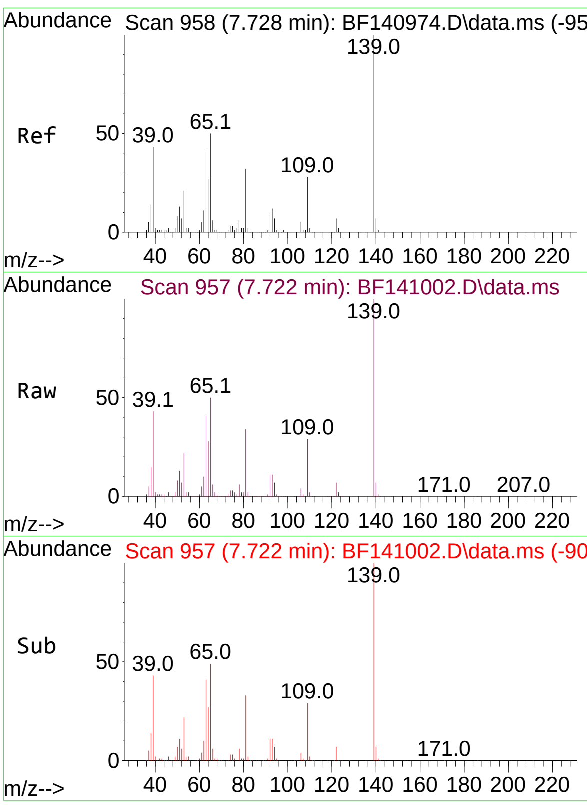



```
#25
Isophorone
Concen:    50.813 ng
RT:    7.645 min   Scan# 94
Delta R.T.   -0.006 min
Lab File:    BF141002.D
Acq: 27 Dec 2024   17:46

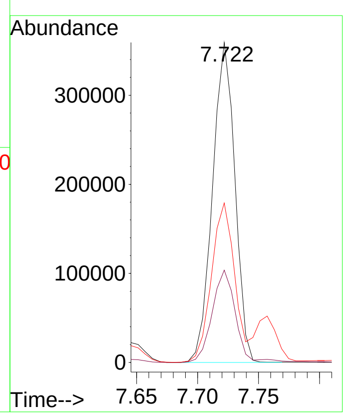
Tgt Ion: 82 Resp: 178757
Ion   Ratio   Lower   Upper
 82   100
 95     6.9     5.6     8.4
138    17.7    14.6    21.8
```






```
#26
2-Nitrophenol
Concen:    60.506 ng
RT:    7.722 min   Scan# 957
Delta R.T.   -0.006 min
Lab File:    BF141002.D
Acq: 27 Dec 2024   17:46

Tgt Ion:139 Resp:   459427
Ion   Ratio   Lower   Upper
139   100
109    28.8    22.2    33.4
 65    49.9    40.2    60.4
```



Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

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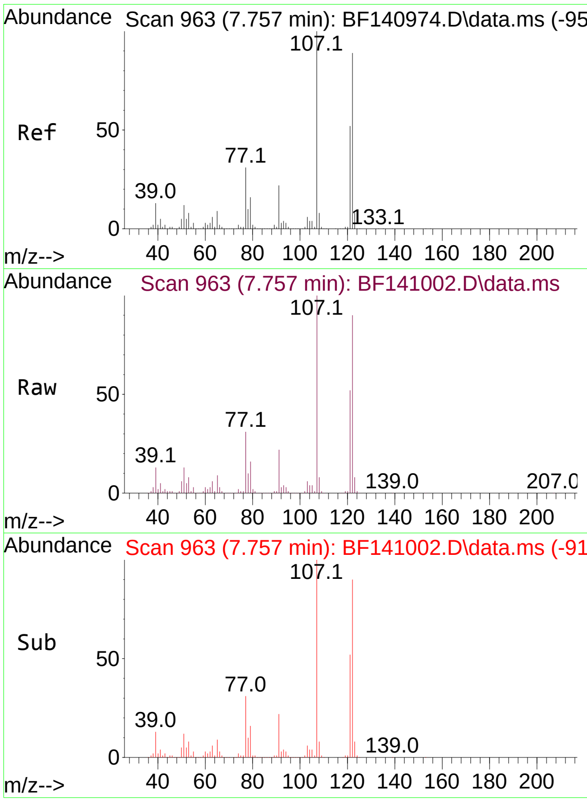
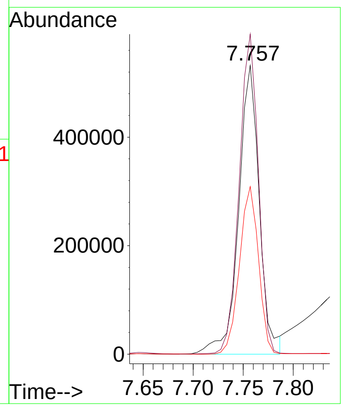
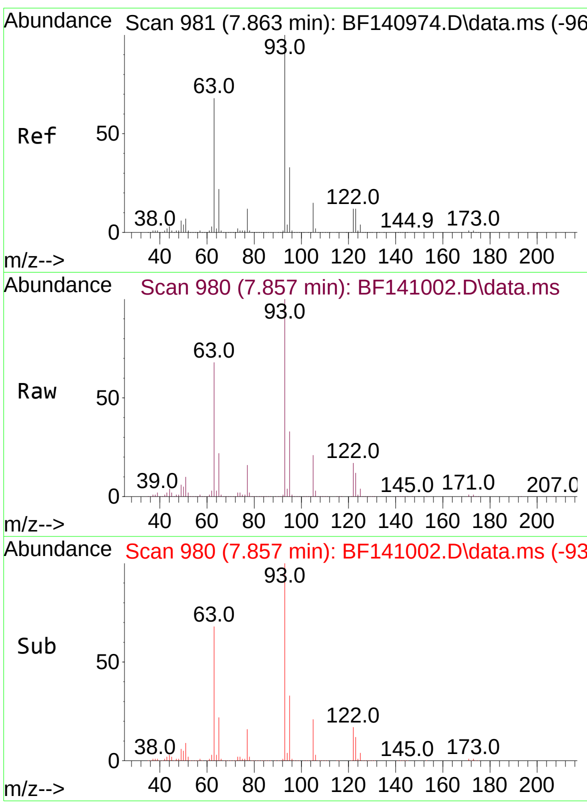


#27
2,4-Dimethylphenol
Concen: 59.696 ng
RT: 7.757 min Scan# 9
Delta R.T. -0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:122 Resp: 767514

Ion	Ratio	Lower	Upper
122	100		
107	110.8	89.4	134.2
121	58.0	46.7	70.1

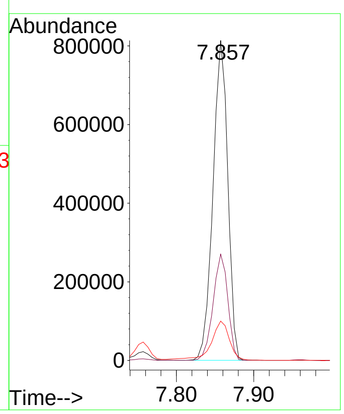




#28
bis(2-Chloroethoxy)methane
Concen: 48.781 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion: 93 Resp: 1087294

Ion	Ratio	Lower	Upper
93	100		
95	33.2	26.2	39.4
123	12.3	9.9	14.9



Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

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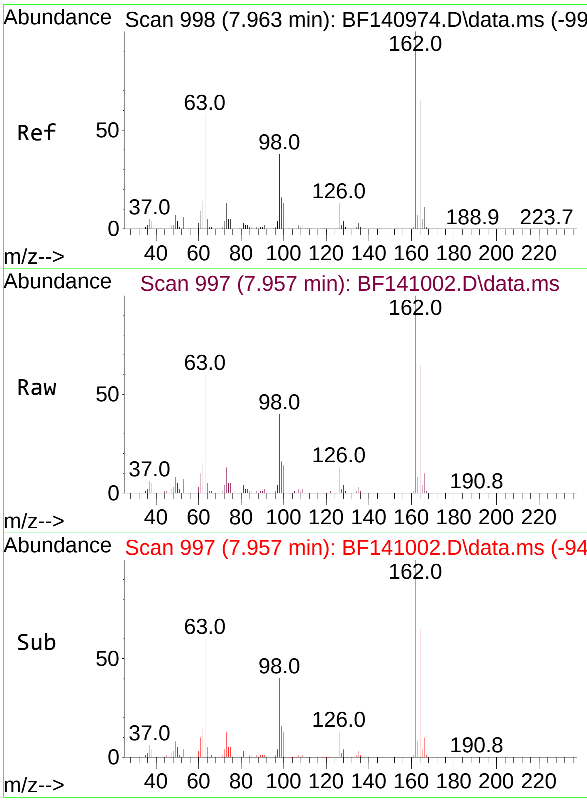
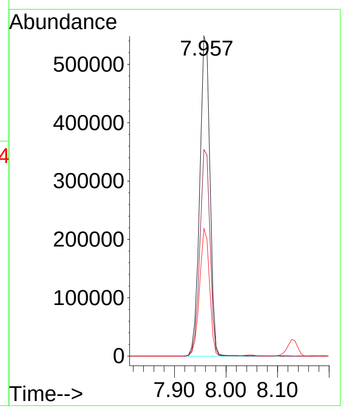
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

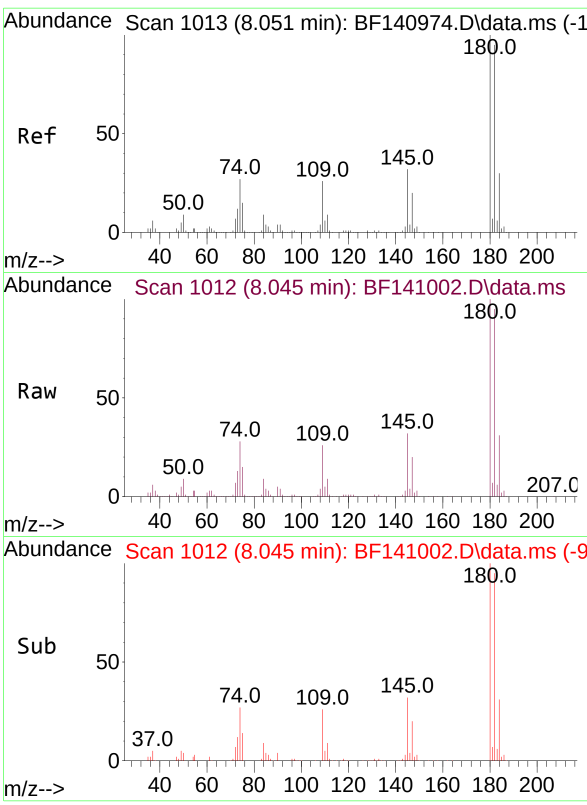


#29
2,4-Dichlorophenol
Concen: 51.815 ng
RT: 7.957 min Scan# 9
Delta R.T. -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:162 Resp: 75555

Ion	Ratio	Lower	Upper
162	100		
164	64.6	44.8	84.8
98	39.9	18.6	58.6

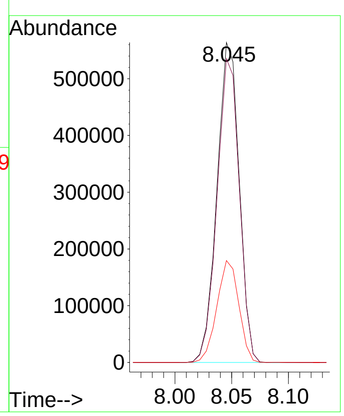




#30
1,2,4-Trichlorobenzene
Concen: 46.578 ng
RT: 8.045 min Scan# 1012
Delta R.T. -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:180 Resp: 768740

Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.2	114.4
145	31.9	25.4	38.2



Instrument :
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ClientSampleId :
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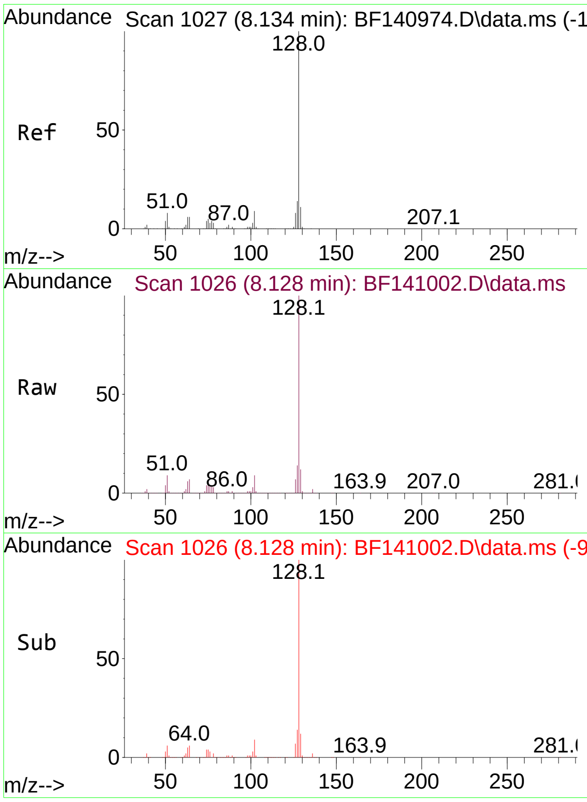
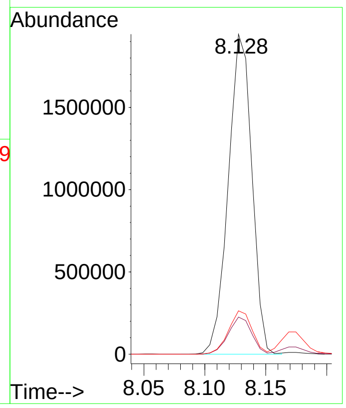
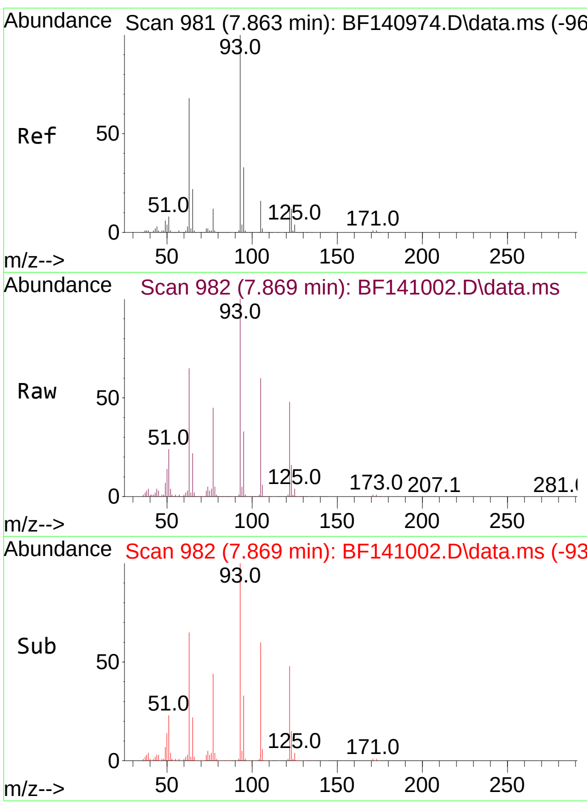


#31
Naphthalene
Concen: 48.052 ng
RT: 8.128 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:128 Resp: 261891

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.2	13.8
127	13.5	11.0	16.4

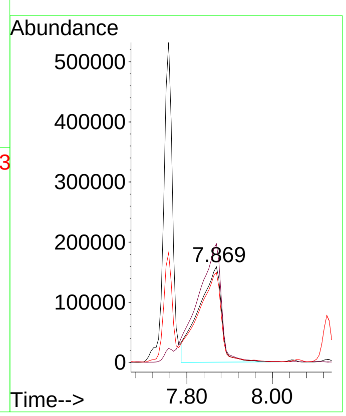




#32
Benzoic acid
Concen: 54.902 ng
RT: 7.869 min Scan# 982
Delta R.T. 0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:122 Resp: 594830

Ion	Ratio	Lower	Upper
122	100		
105	124.0	105.4	145.4
77	93.9	76.4	116.4



Instrument :
BNA_F
ClientSampleId :
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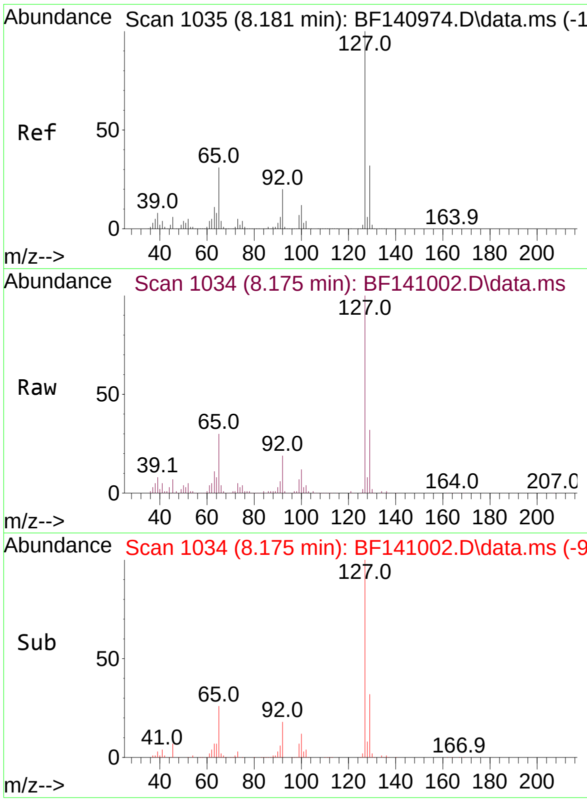
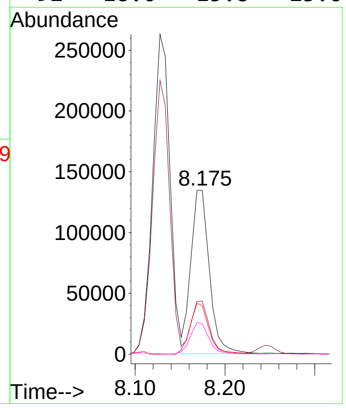
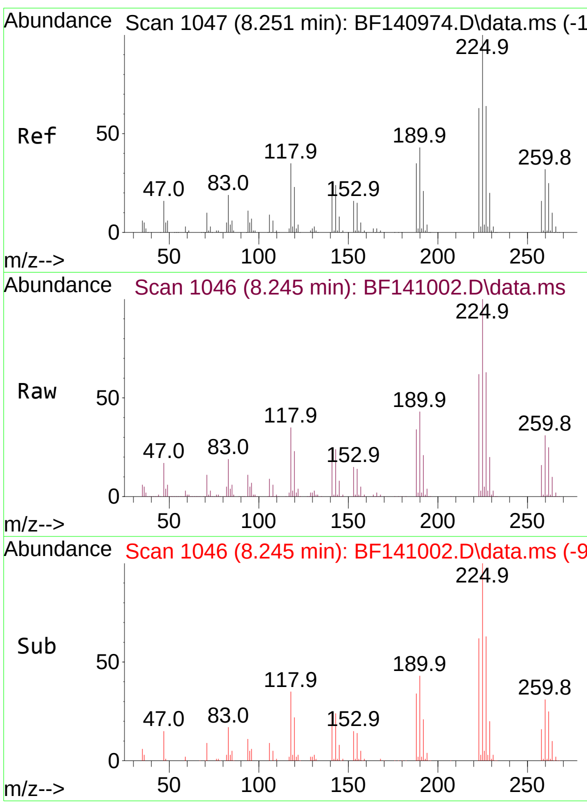


#33
4-Chloroaniline
Concen: 9.799 ng
RT: 8.175 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:127 Resp: 19320

Ion	Ratio	Lower	Upper
127	100		
129	32.3	26.1	39.1
65	29.6	24.6	37.0
92	18.6	15.8	23.6

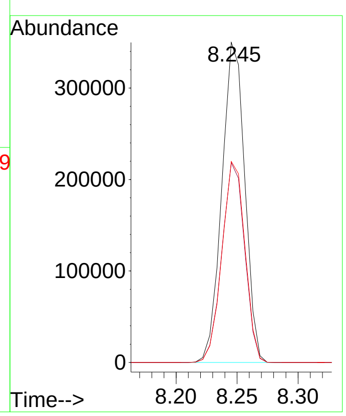




#34
Hexachlorobutadiene
Concen: 47.117 ng
RT: 8.245 min Scan# 1046
Delta R.T. -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:225 Resp: 458440

Ion	Ratio	Lower	Upper
225	100		
223	62.4	50.3	75.5
227	62.8	50.8	76.2



Instrument :
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ClientSampleId :
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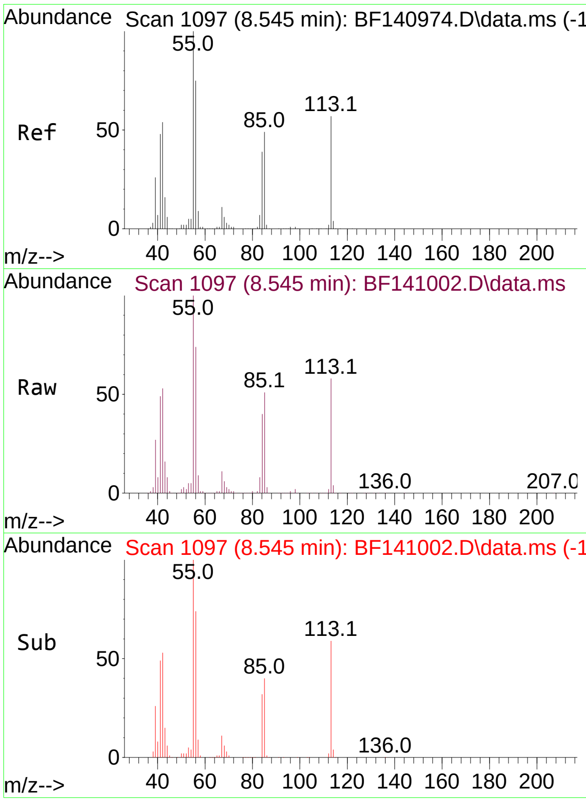
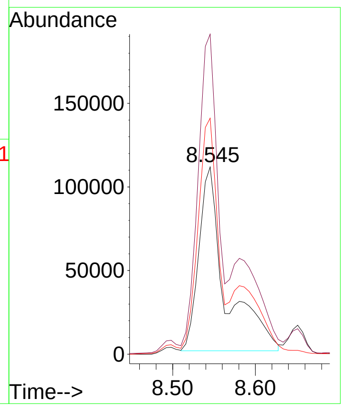
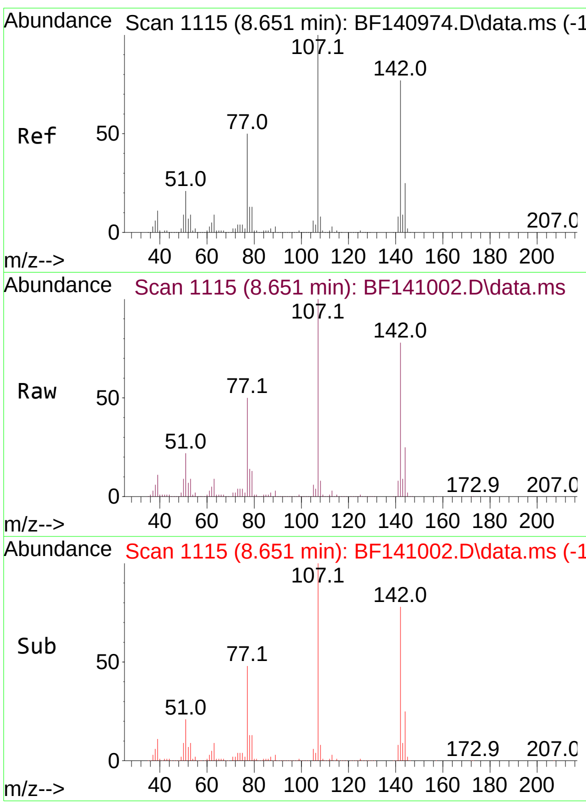



```
#35
Caprolactam
Concen:   50.164 ng  m
RT:   8.545 min  Scan# 1(
Delta R.T.  -0.000 min
Lab File:   BF141002.D
Acq: 27 Dec 2024  17:46

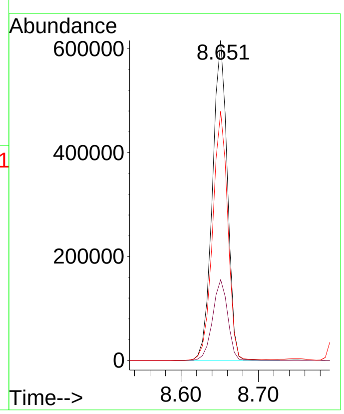
Tgt Ion:113 Resp:  24867(
Ion  Ratio  Lower  Upper
113  100
 55  171.0  156.6  196.6
 56  126.1  111.7  151.7
```

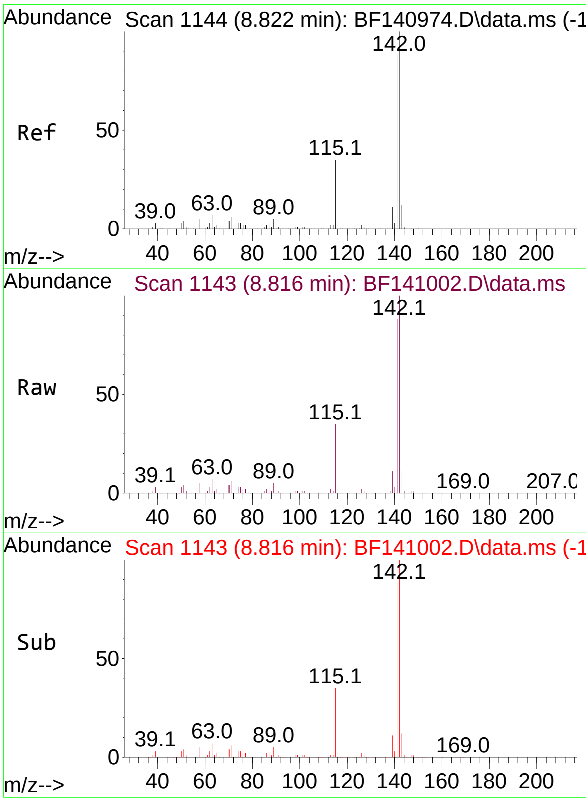





```
#36
4-Chloro-3-methylphenol
Concen:   51.162 ng
RT:   8.651 min  Scan# 1115
Delta R.T.  -0.000 min
Lab File:   BF141002.D
Acq: 27 Dec 2024  17:46

Tgt Ion:107 Resp:  828506
Ion  Ratio  Lower  Upper
107  100
144   25.2   19.9   29.9
142   77.9   61.8   92.8
```





#37
2-Methylnaphthalene
Concen: 49.315 ng
RT: 8.816 min   Scan# 1
Delta R.T.   -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024   17:46

Tgt Ion:142 Resp: 171946

Ion	Ratio	Lower	Upper
142	100		
141	88.1	71.1	106.7

Instrument :
BNA_F
ClientSampleId :
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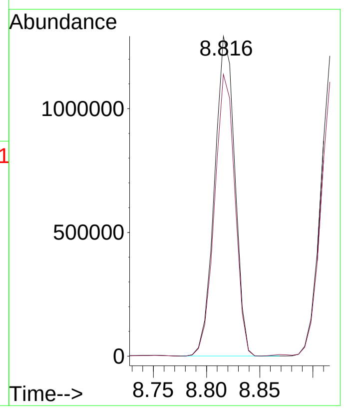
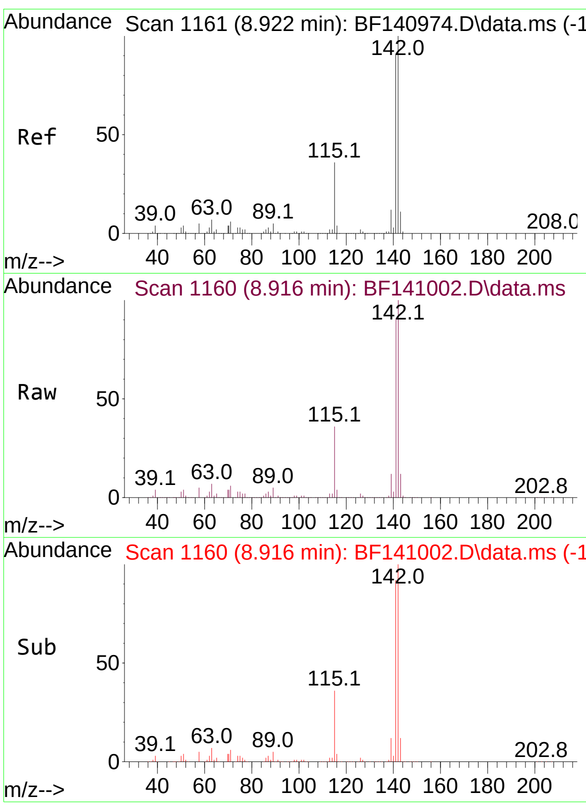
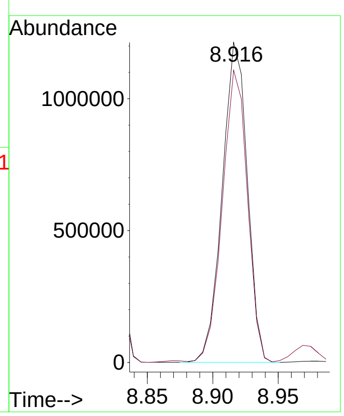




#38
1-Methylnaphthalene
Concen: 47.186 ng
RT: 8.916 min   Scan# 1160
Delta R.T.   -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024   17:46

Tgt Ion:142 Resp: 1616880

Ion	Ratio	Lower	Upper
142	100		
141	91.3	72.7	109.1



Sample Results: **BF141002.D**

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

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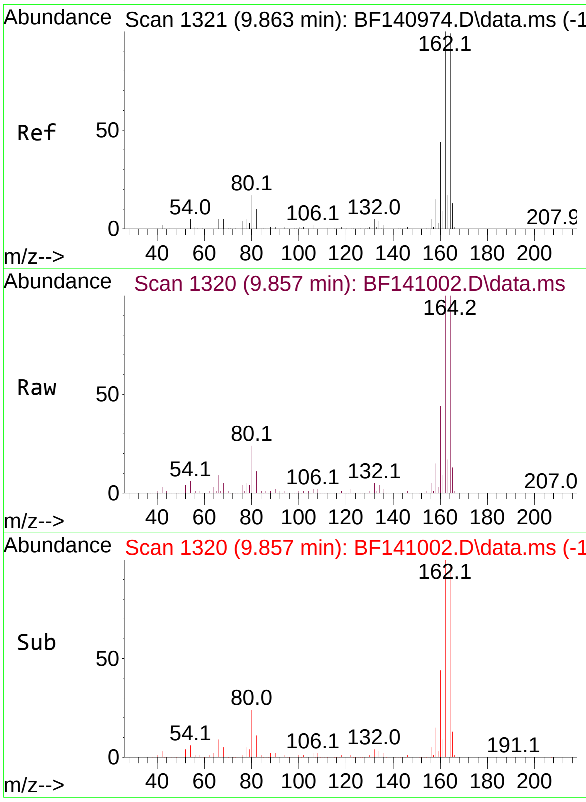
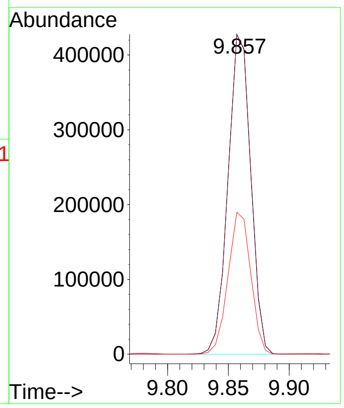
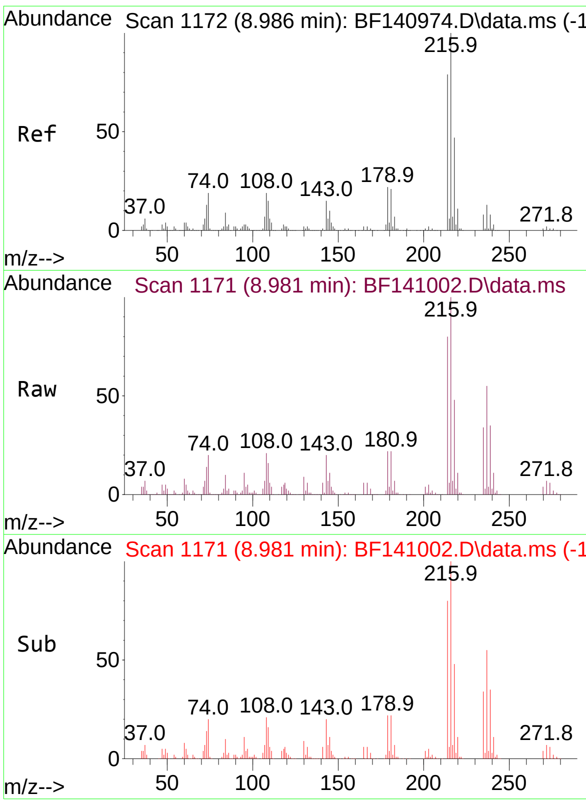


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.857 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:164 Resp: 55535

Ion	Ratio	Lower	Upper
164	100		
162	99.9	80.6	120.8
160	44.4	35.7	53.5

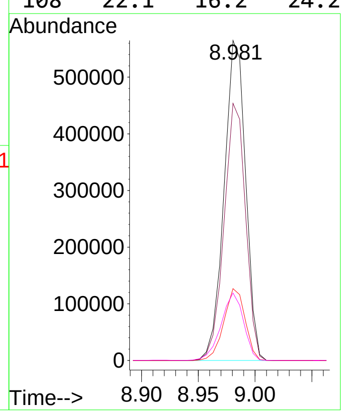


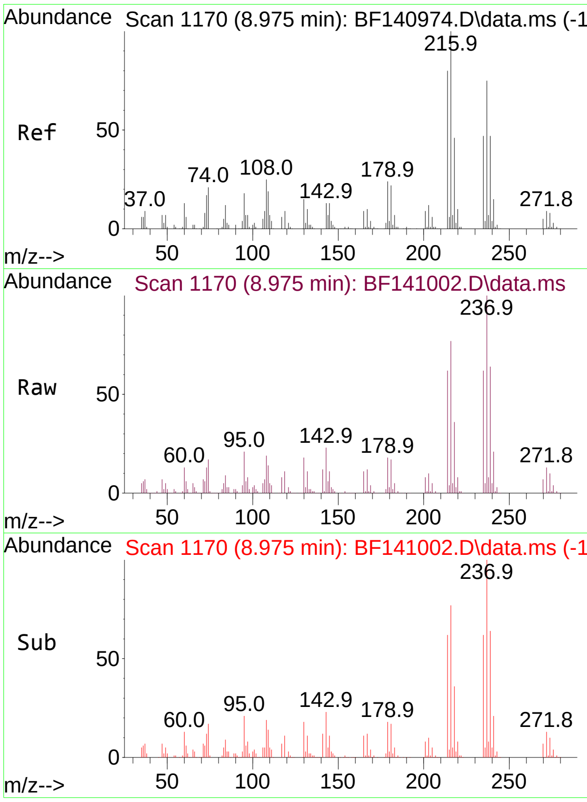


#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.870 ng
RT: 8.981 min Scan# 1171
Delta R.T. -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:216 Resp: 746657

Ion	Ratio	Lower	Upper
216	100		
214	80.0	63.0	94.6
179	22.2	17.9	26.9
108	22.1	16.2	24.2





#41
Hexachlorocyclopentadiene
Concen: 132.352 ng
RT: 8.975 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:237 Resp: 67012

Ion	Ratio	Lower	Upper
237	100		
235	62.4	43.4	83.4
272	13.1	0.0	32.6

Instrument :
BNA_F
ClientSampleId :
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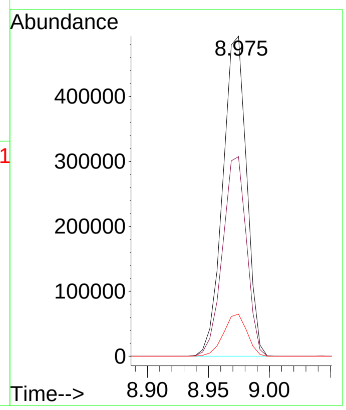
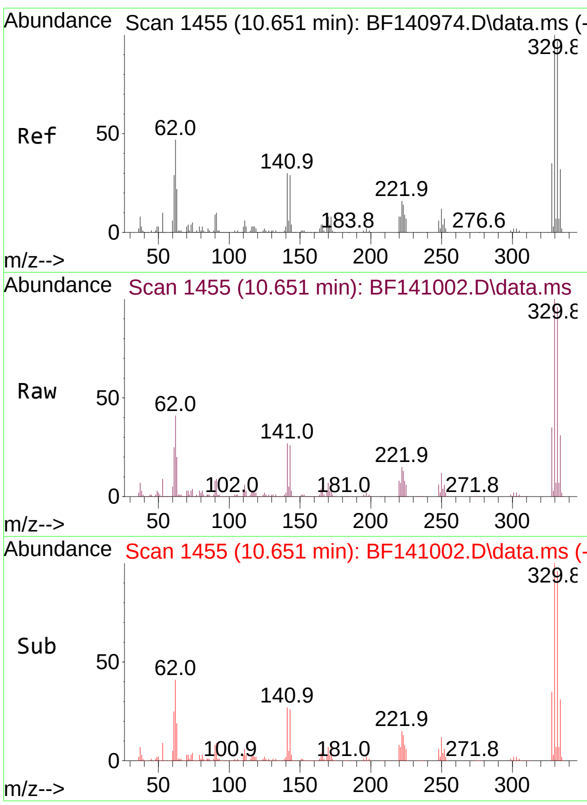
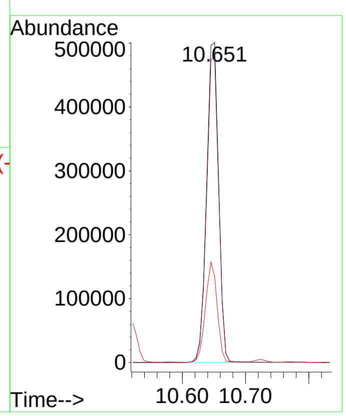




#42
2,4,6-Tribromophenol
Concen: 123.371 ng
RT: 10.651 min Scan# 1455
Delta R.T. -0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:330 Resp: 665764

Ion	Ratio	Lower	Upper
330	100		
332	95.7	78.0	117.0
141	30.2	26.4	39.6



Sample Results: **BF141002.D**

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

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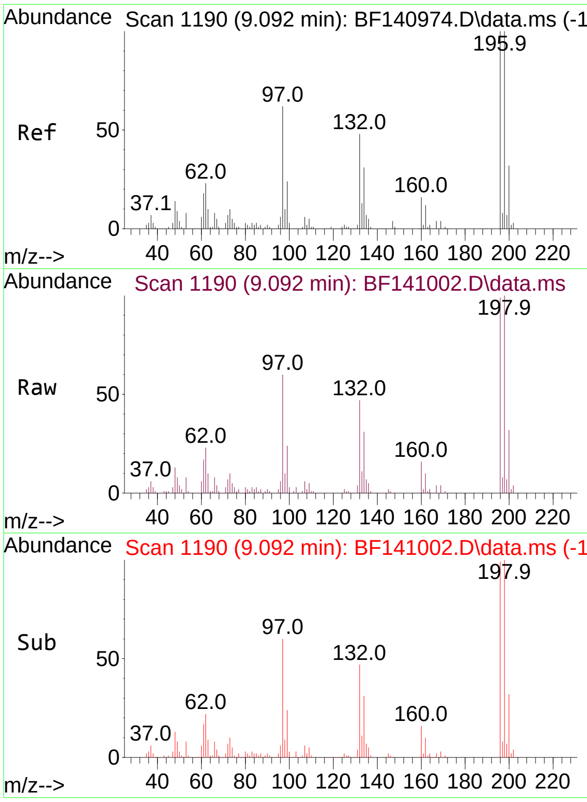
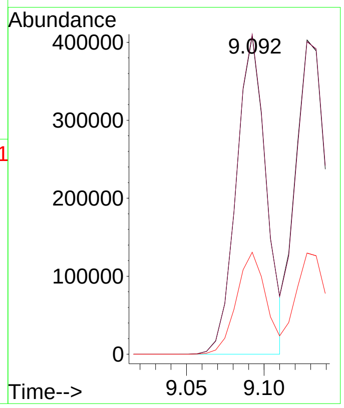
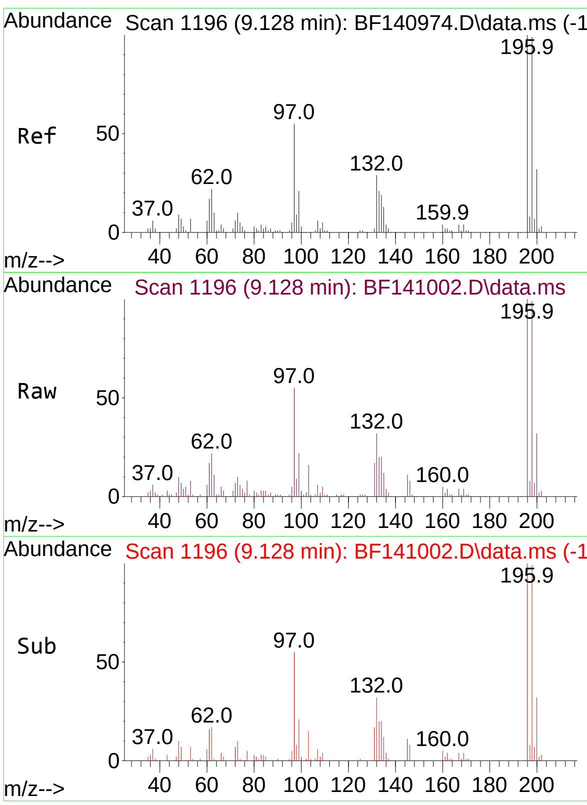


#43
2,4,6-Trichlorophenol
Concen: 53.686 ng
RT: 9.092 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:196 Resp: 54592

Ion	Ratio	Lower	Upper
196	100		
198	100.7	80.2	120.4
200	32.1	25.8	38.6

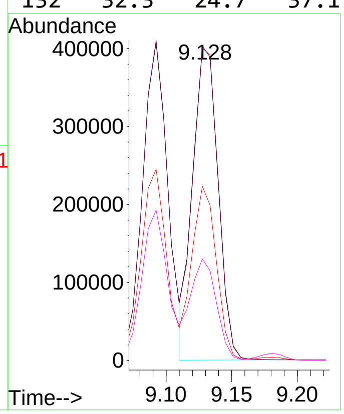




#44
2,4,5-Trichlorophenol
Concen: 52.190 ng
RT: 9.128 min Scan# 1196
Delta R.T. -0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:196 Resp: 543015

Ion	Ratio	Lower	Upper
196	100		
198	99.4	79.9	119.9
97	55.4	44.3	66.5
132	32.3	24.7	37.1



Instrument :
BNA_F
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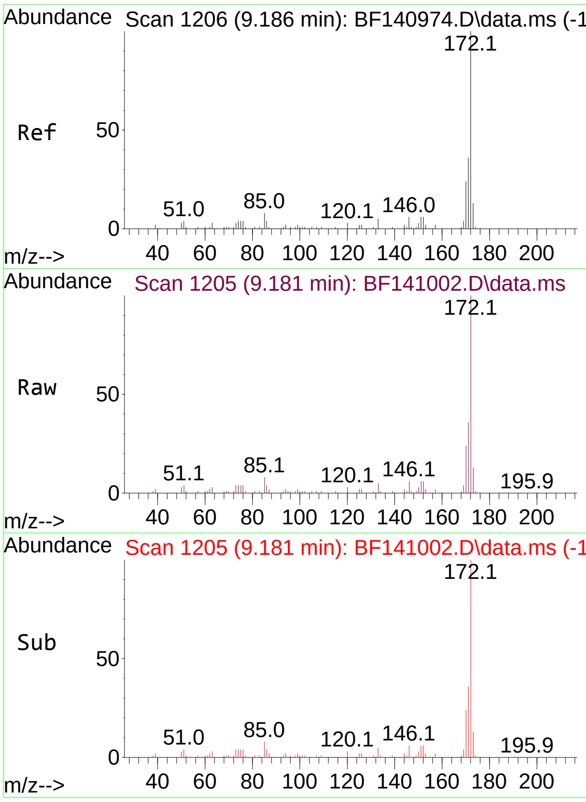
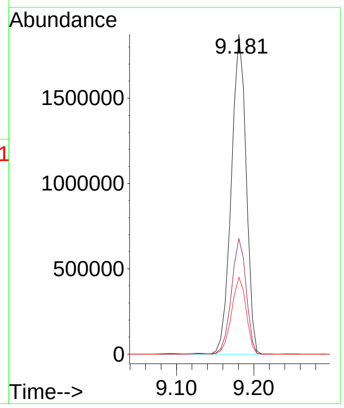
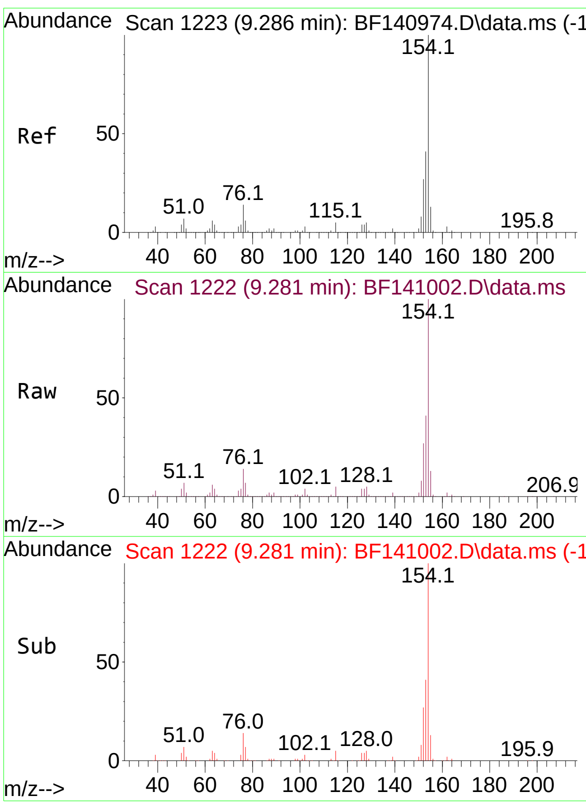


#45
2-Fluorobiphenyl
Concen: 71.832 ng
RT: 9.181 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:172 Resp: 250385

Ion	Ratio	Lower	Upper
172	100		
171	36.1	29.0	43.4
170	24.0	19.6	29.4

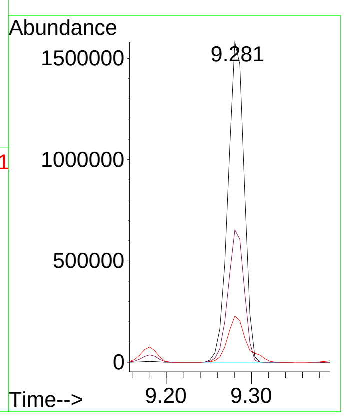




#46
1,1'-Biphenyl
Concen: 49.092 ng
RT: 9.281 min Scan# 1222
Delta R.T. -0.005 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:154 Resp: 2087547

Ion	Ratio	Lower	Upper
154	100		
153	41.4	20.9	60.9
76	14.5	0.0	34.0



Sample Results: **BF141002.D**

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

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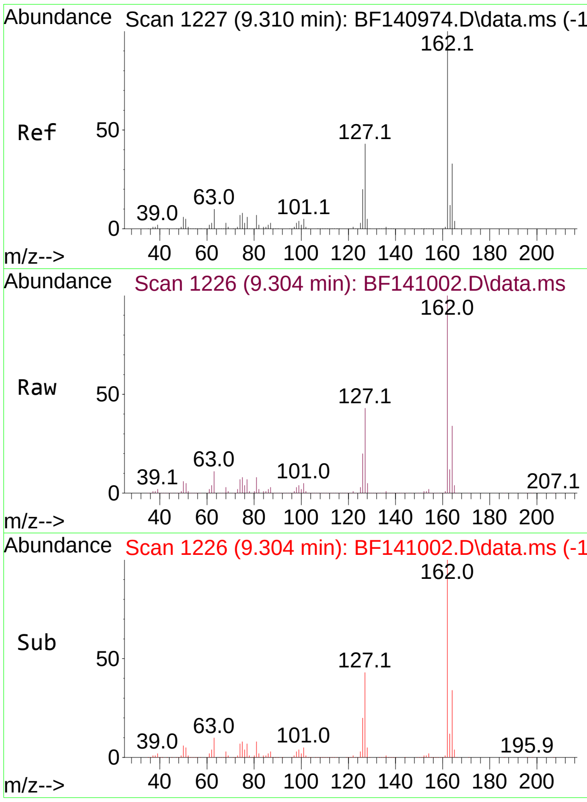
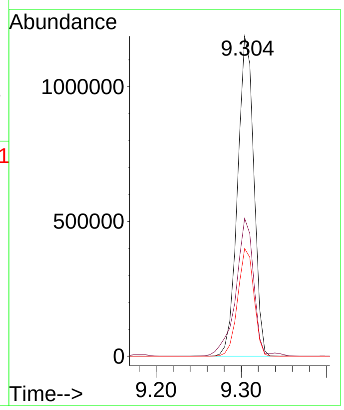
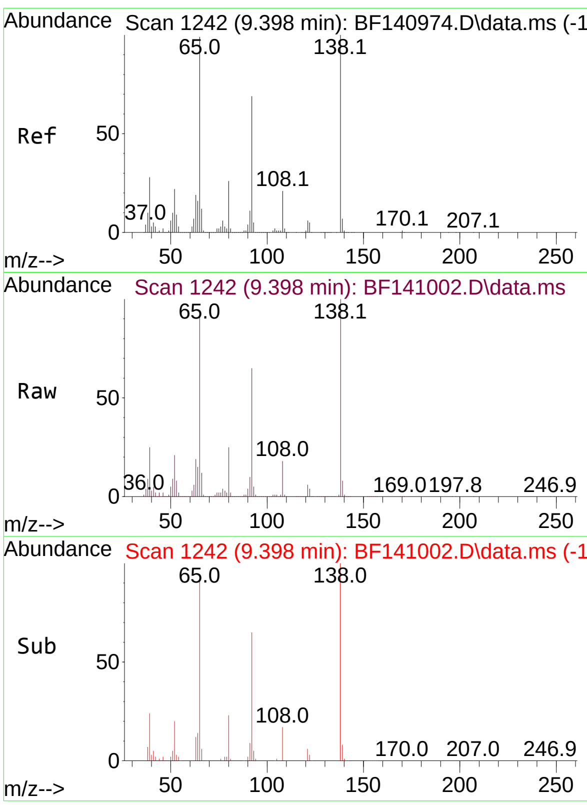


#47
2-Chloronaphthalene
Concen: 47.738 ng
RT: 9.304 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:162 Resp: 157440

Ion	Ratio	Lower	Upper
162	100		
127	43.1	34.2	51.4
164	33.7	26.6	40.0

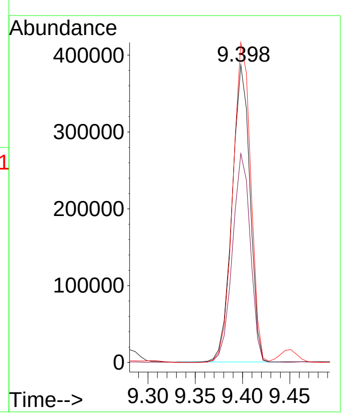




#48
2-Nitroaniline
Concen: 57.885 ng
RT: 9.398 min Scan# 1242
Delta R.T. 0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion: 65 Resp: 508552

Ion	Ratio	Lower	Upper
65	100		
92	70.2	55.6	83.4
138	107.5	80.5	120.7



Instrument :
BNA_F
ClientSampleId :
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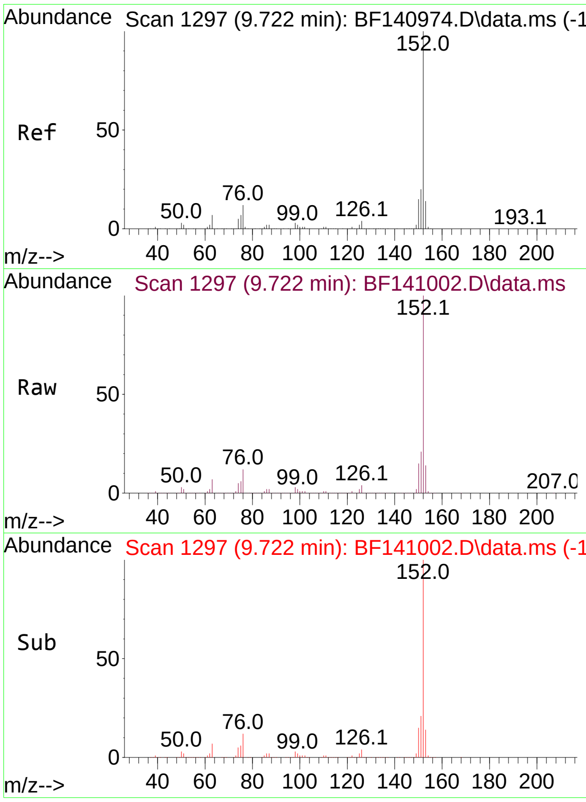
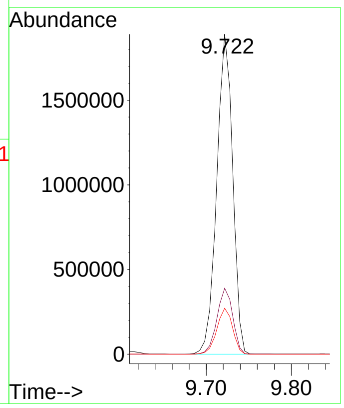
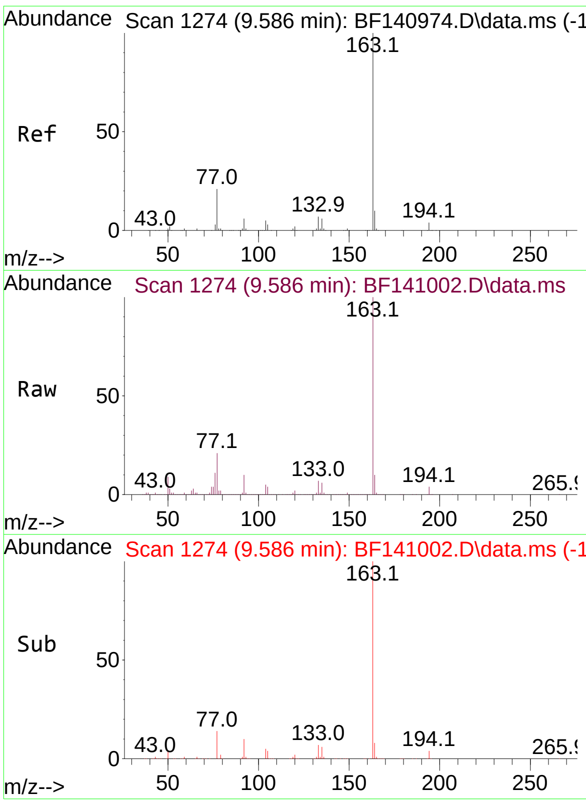


#49
Acenaphthylene
Concen: 51.870 ng
RT: 9.722 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:152 Resp: 246259

Ion	Ratio	Lower	Upper
152	100		
151	20.6	16.2	24.4
153	14.4	11.4	17.0

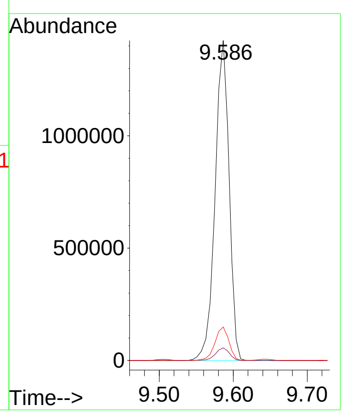


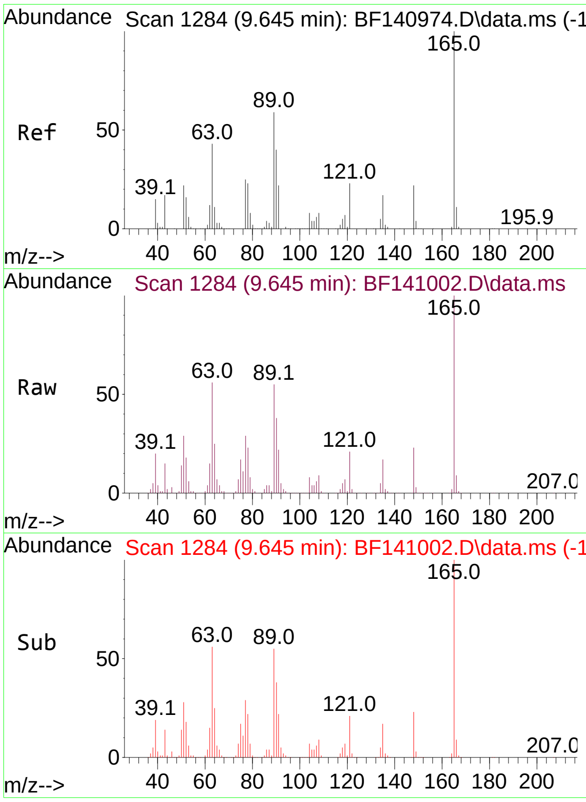


#50
Dimethylphthalate
Concen: 51.215 ng
RT: 9.586 min Scan# 1274
Delta R.T. 0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:163 Resp: 1870856

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.1	4.7
164	10.5	8.3	12.5





#51
2,6-Dinitrotoluene
Concen: 54.848 ng
RT: 9.645 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:165 Resp: 41280

Ion	Ratio	Lower	Upper
165	100		
63	56.0	47.1	70.7
89	55.3	47.0	70.4

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

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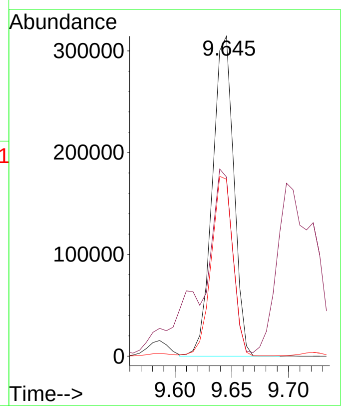
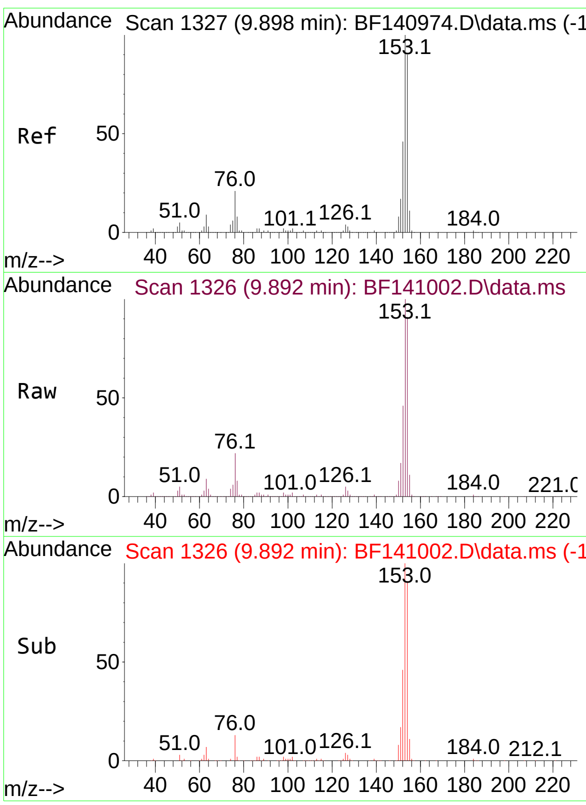
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

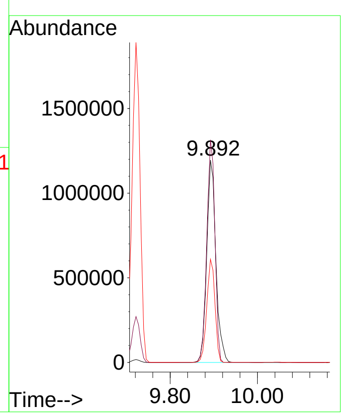




#52
Acenaphthene
Concen: 54.574 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:154 Resp: 1751630

Ion	Ratio	Lower	Upper
154	100		
153	110.1	89.2	133.8
152	51.1	40.9	61.3



Instrument :
BNA_F
ClientSampleId :
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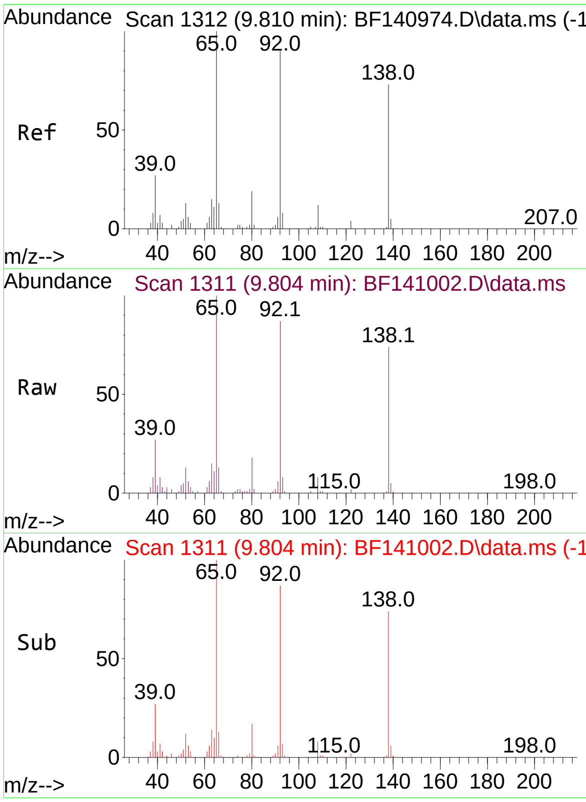
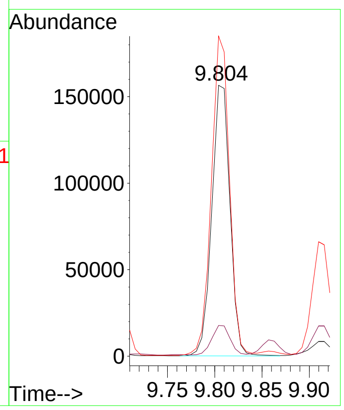
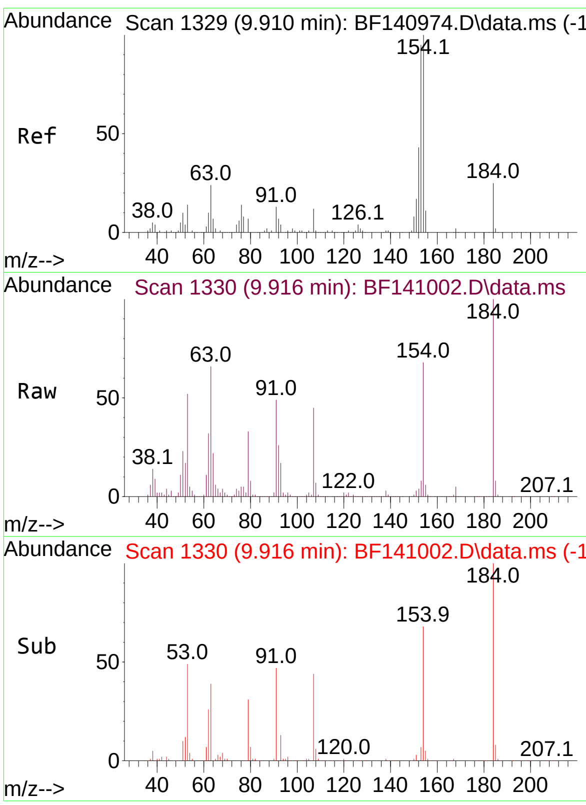



```
#53
3-Nitroaniline
Concen:   27.494 ng
RT:    9.804 min  Scan# 1
Delta R.T.   -0.006 min
Lab File:    BF141002.D
Acq: 27 Dec 2024  17:46

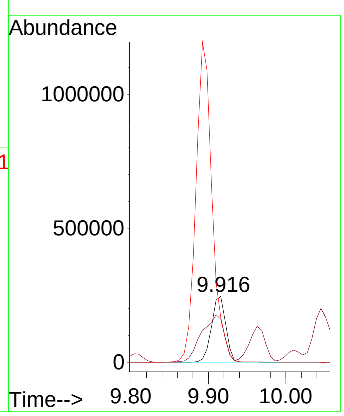
Tgt Ion:138 Resp:  21062
Ion  Ratio  Lower  Upper
138  100
108   11.4   13.5   20.3#
 92  118.1   97.7  146.5
```

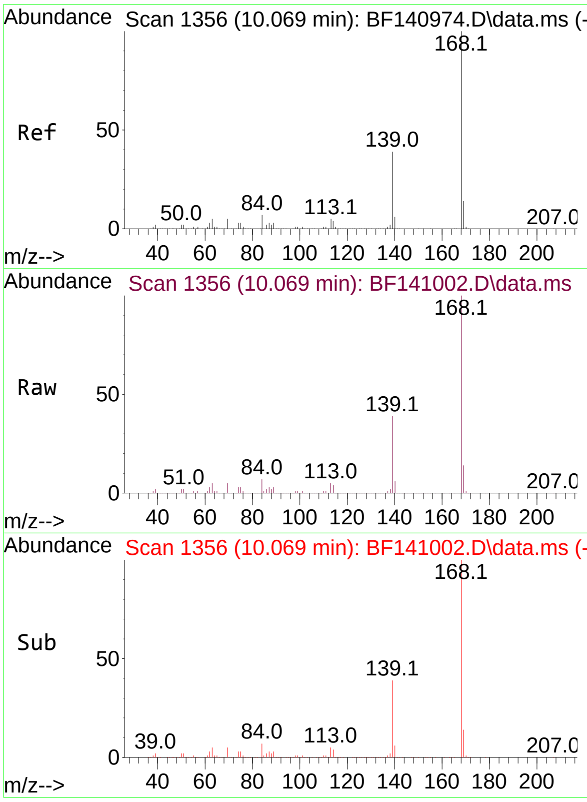





```
#54
2,4-Dinitrophenol
Concen:   96.798 ng
RT:    9.916 min  Scan# 1330
Delta R.T.   0.006 min
Lab File:    BF141002.D
Acq: 27 Dec 2024  17:46

Tgt Ion:184 Resp:  315098
Ion  Ratio  Lower  Upper
184  100
 63   65.5   81.6  122.4#
154   68.2  363.5  545.3#
```






```
#55
Dibenzofuran
Concen:   50.108 ng
RT:  10.069 min  Scan# 1
Delta R.T.   -0.000 min
Lab File:    BF141002.D
Acq: 27 Dec 2024  17:46

Tgt Ion:168 Resp: 226020
Ion  Ratio  Lower  Upper
168  100
139   38.7   31.6   47.4
169   13.8   11.0   16.6
```

Instrument :
BNA_F
ClientSampleId :
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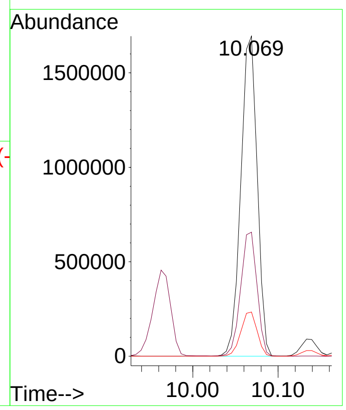
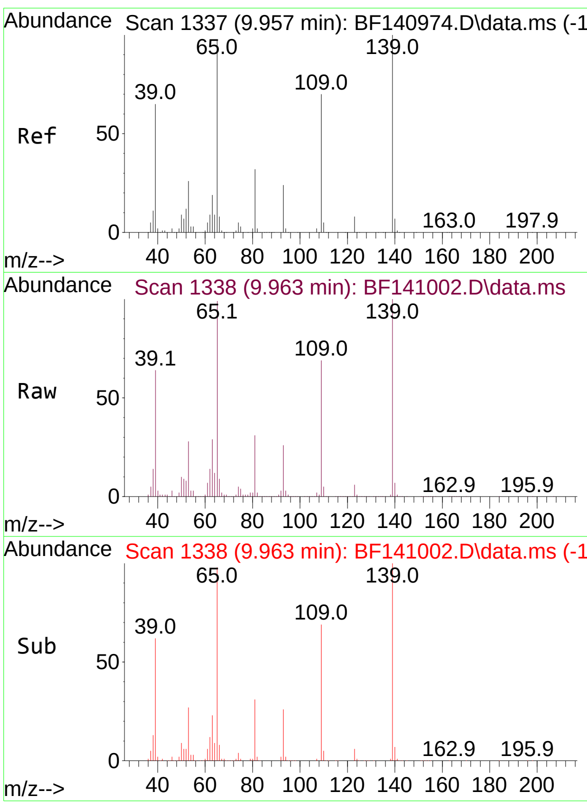
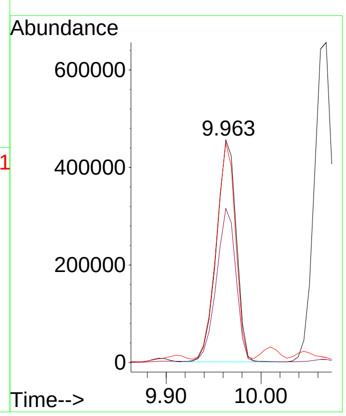
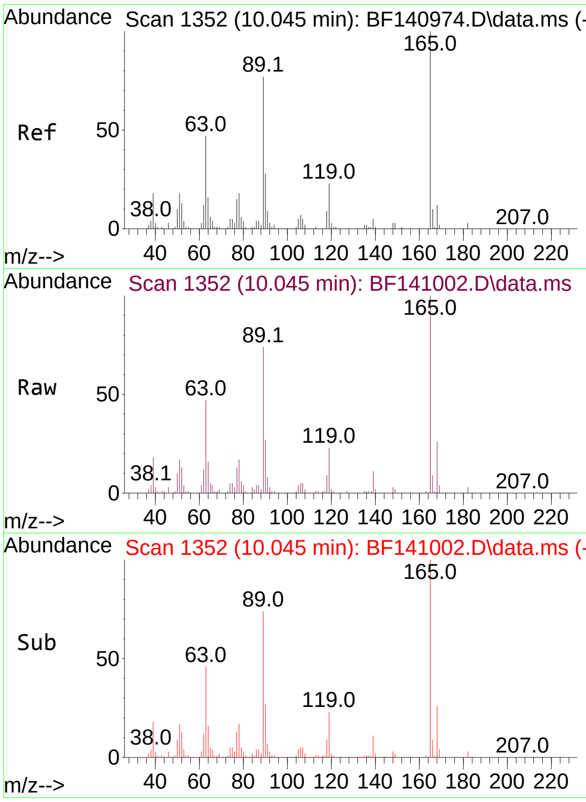





```
#56
4-Nitrophenol
Concen:  106.173 ng
RT:   9.963 min  Scan# 1338
Delta R.T.  0.006 min
Lab File:   BF141002.D
Acq: 27 Dec 2024  17:46

Tgt Ion:139 Resp:  663441
Ion  Ratio  Lower  Upper
139  100
109   69.2   50.8   90.8
 65   98.8   78.5  118.5
```

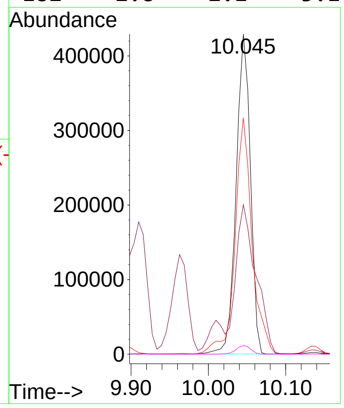




#57
2,4-Dinitrotoluene
Concen: 59.115 ng
RT: 10.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:165 Resp: 54938

Ion	Ratio	Lower	Upper
165	100		
63	46.7	38.1	57.1
89	73.9	61.4	92.2
182	2.8	2.1	3.1



Instrument :
BNA_F
ClientSampleId :
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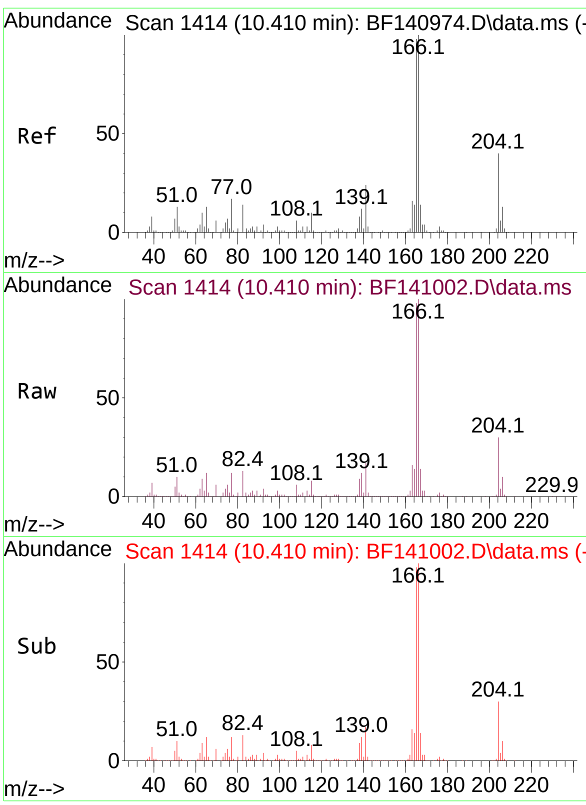
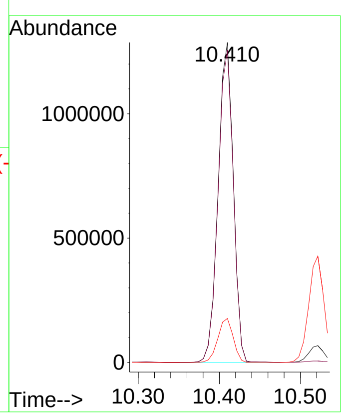


#58
Fluorene
Concen: 48.177 ng
RT: 10.410 min Scan# 1414
Delta R.T. -0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:166 Resp: 1685123

Ion	Ratio	Lower	Upper
166	100		
165	97.7	78.3	117.5
167	13.7	10.9	16.3



Instrument :
BNA_F
ClientSampleId :
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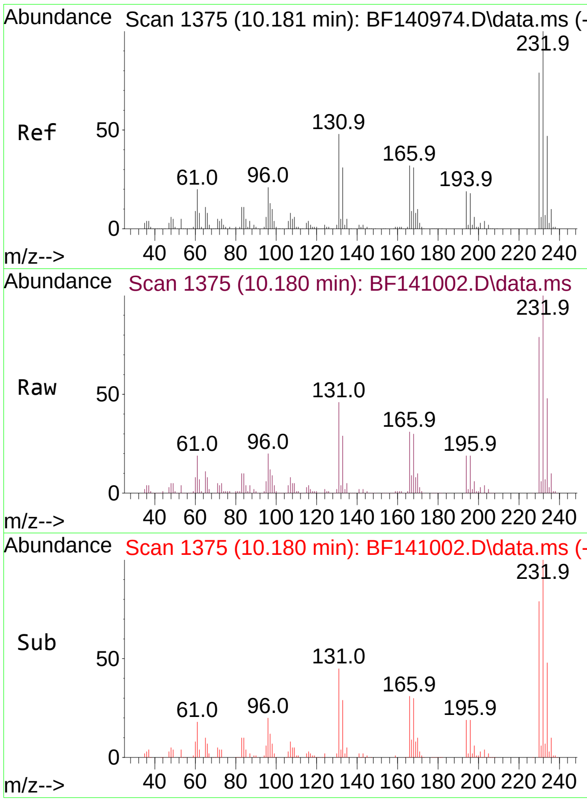
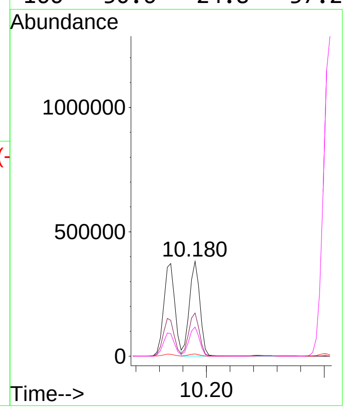
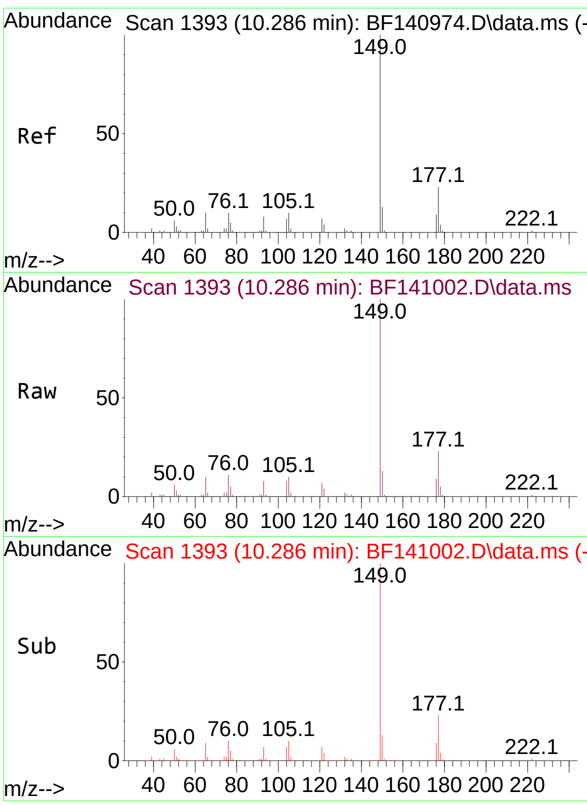


#59
2,3,4,6-Tetrachlorophenol
Concen: 54.868 ng
RT: 10.180 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:232 Resp: 47279

Ion	Ratio	Lower	Upper
232	100		
131	45.7	37.4	56.2
130	2.3	1.8	2.8
166	30.6	24.8	37.2

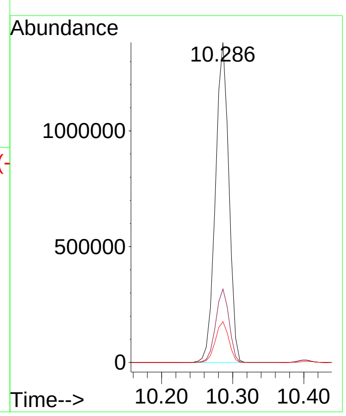


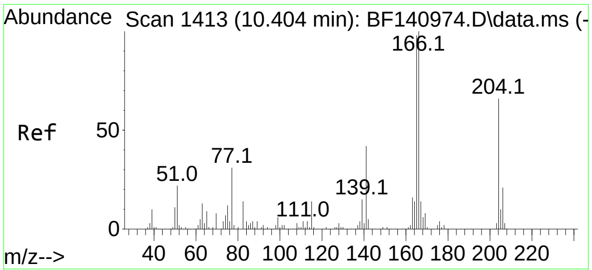


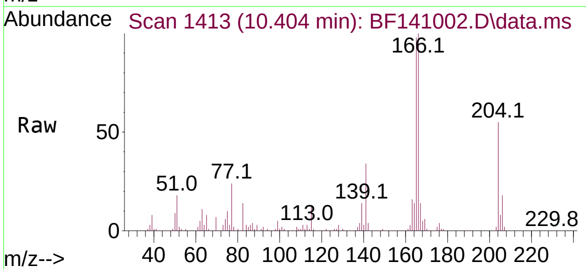
#60
Diethylphthalate
Concen: 50.298 ng
RT: 10.286 min Scan# 1393
Delta R.T. -0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

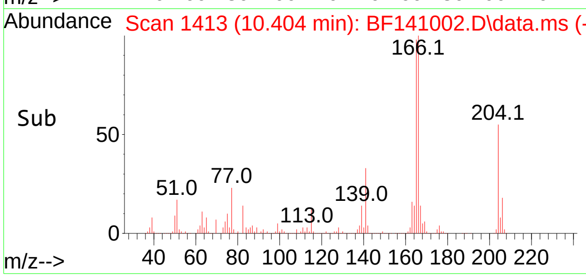
Tgt Ion:149 Resp: 1813920

Ion	Ratio	Lower	Upper
149	100		
177	23.0	18.3	27.5
150	12.7	10.4	15.6





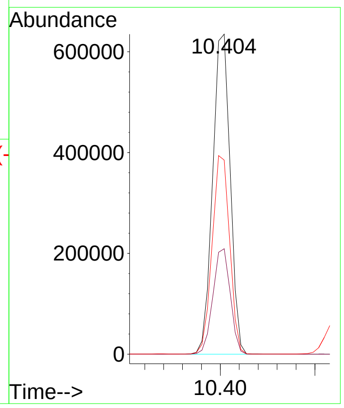




#61
4-Chlorophenyl-phenylether
Concen: 48.552 ng
RT: 10.404 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:204 Resp: 81714

Ion	Ratio	Lower	Upper
204	100		
206	33.0	25.8	38.6
141	60.6	51.2	76.8



Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

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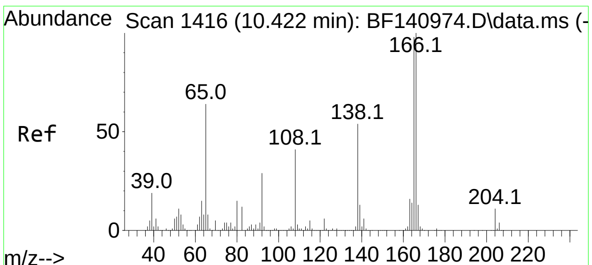
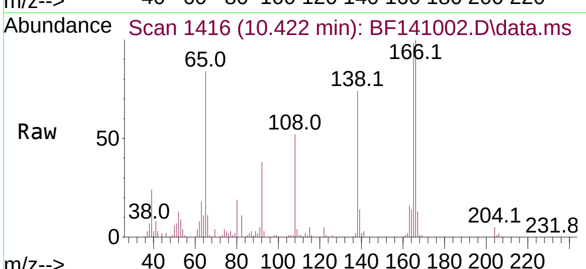
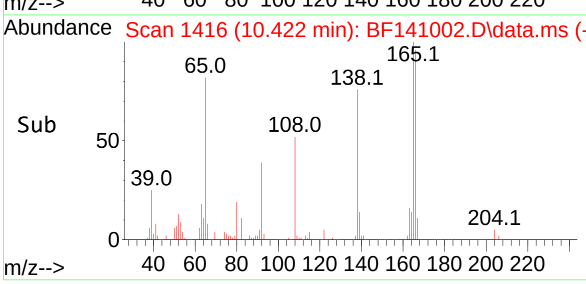


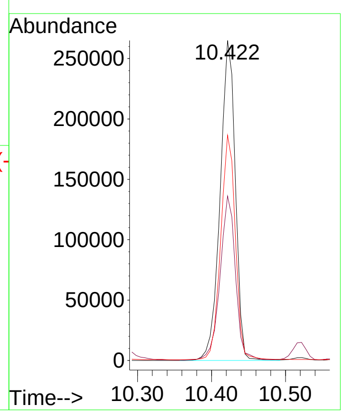


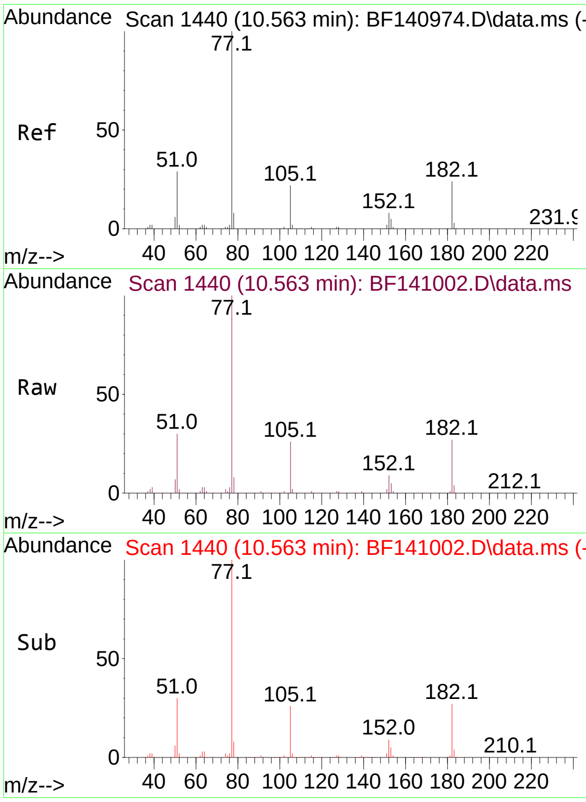


#62
4-Nitroaniline
Concen: 46.936 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:138 Resp: 379238

Ion	Ratio	Lower	Upper
138	100		
92	51.4	34.8	74.8
108	70.4	55.9	95.9

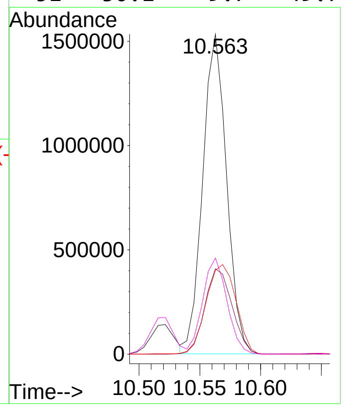




#63
Azobenzene
Concen: 55.422 ng
RT: 10.563 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion: 77 Resp: 209789

Ion	Ratio	Lower	Upper
77	100		
182	26.7	4.1	44.1
105	26.3	1.8	41.8
51	30.1	9.7	49.7



Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

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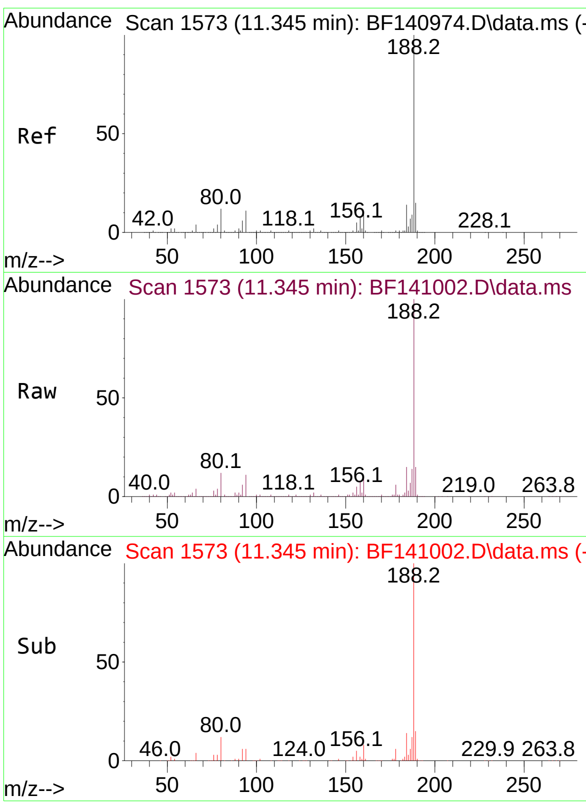
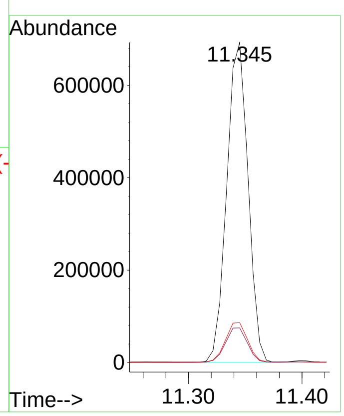


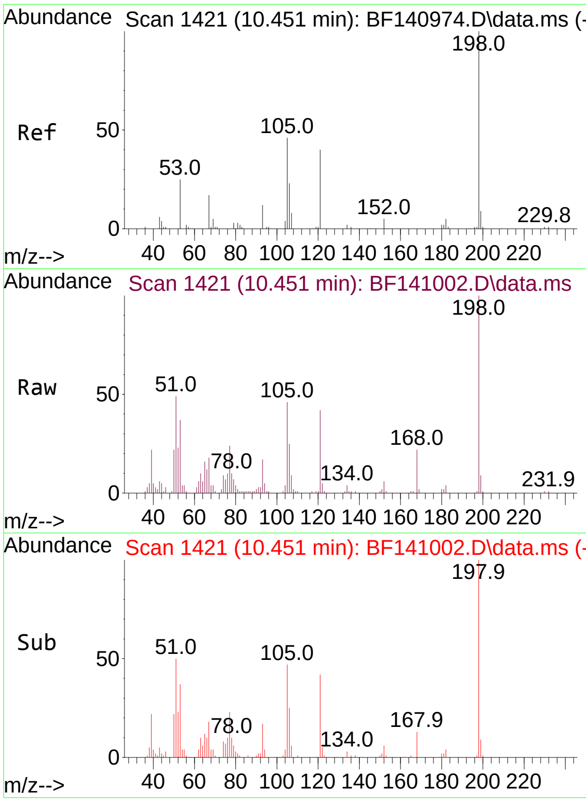
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. -0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:188 Resp: 906851

Ion	Ratio	Lower	Upper
188	100		
94	10.8	9.0	13.6
80	12.5	9.8	14.6



Sample Results: **BF141002.D**



#65
4,6-Dinitro-2-methylphenol
Concen: 59.442 ng
RT: 10.451 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:198 Resp: 22492

Ion	Ratio	Lower	Upper
198	100		
51	49.3	32.3	72.3
105	46.1	28.4	68.4

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

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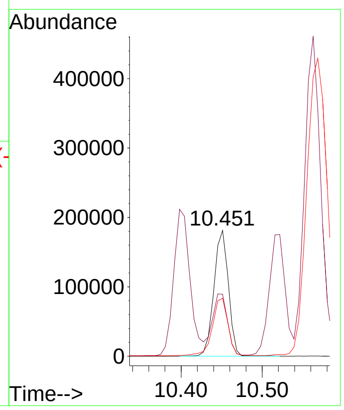
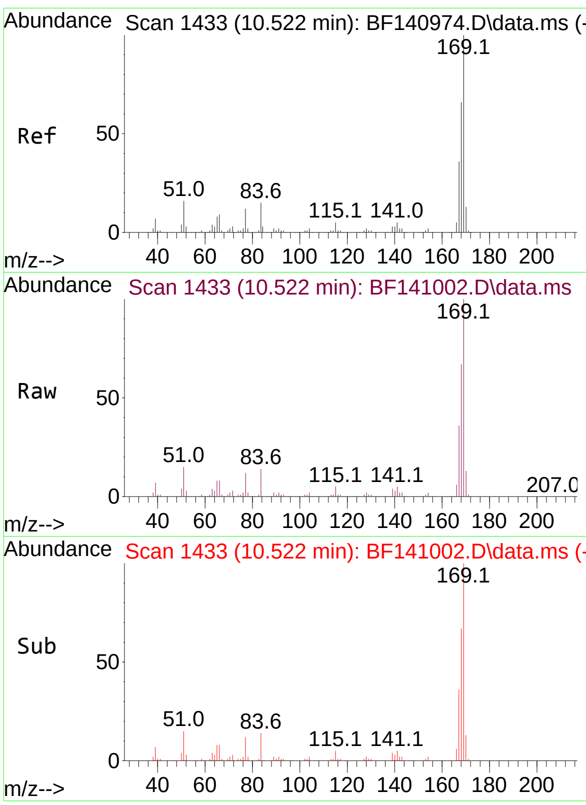
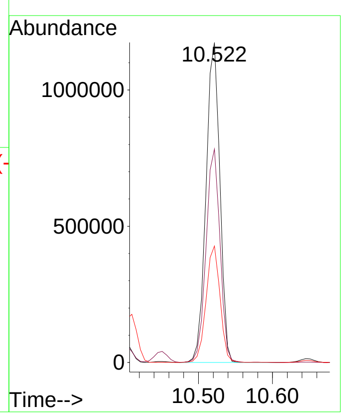




#66
n-Nitrosodiphenylamine
Concen: 53.698 ng
RT: 10.522 min Scan# 1433
Delta R.T. -0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:169 Resp: 1533418

Ion	Ratio	Lower	Upper
169	100		
168	66.7	52.6	79.0
167	36.4	29.0	43.4



Sample Results: **BF141002.D**

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

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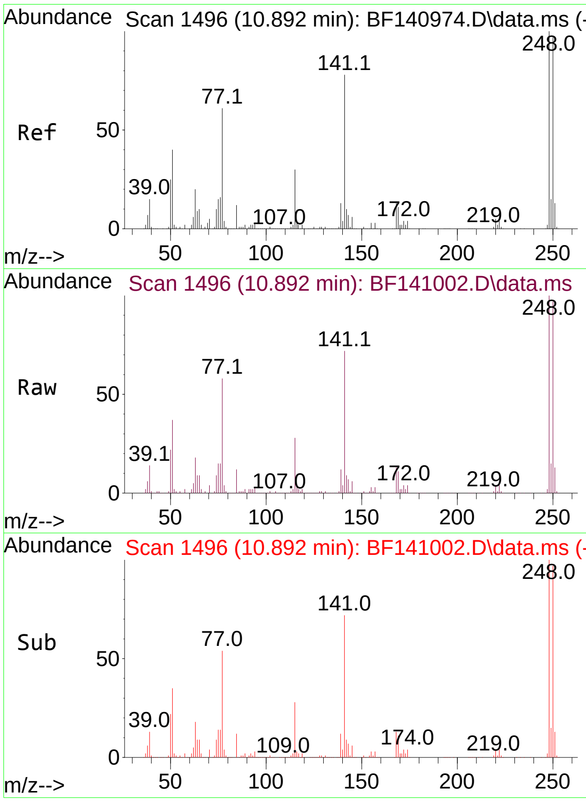
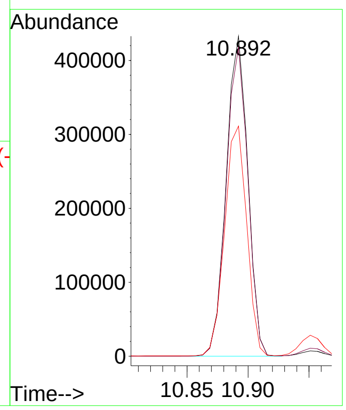
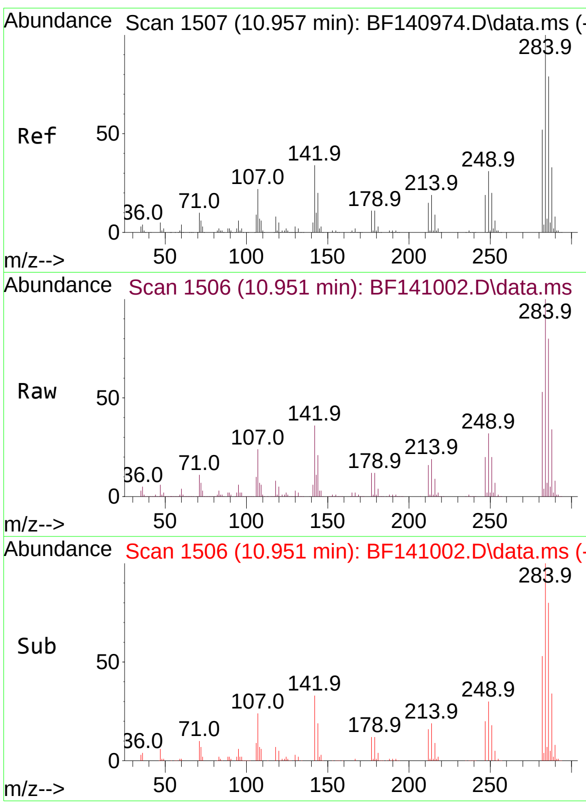


#67
4-Bromophenyl-phenylether
Concen: 54.685 ng
RT: 10.892 min Scan# 14
Delta R.T. -0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:248 Resp: 53608

Ion	Ratio	Lower	Upper
248	100		
250	96.5	77.7	116.5
141	71.9	62.1	93.1

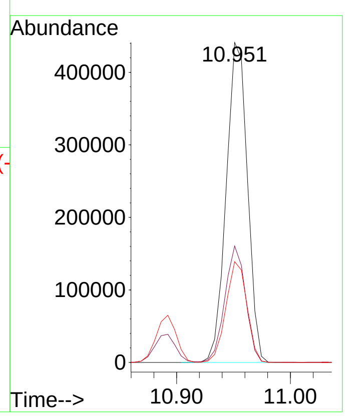




#68
Hexachlorobenzene
Concen: 53.038 ng
RT: 10.951 min Scan# 1506
Delta R.T. -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:284 Resp: 573318

Ion	Ratio	Lower	Upper
284	100		
142	36.4	27.1	40.7
249	31.5	25.1	37.7



Instrument :
BNA_F
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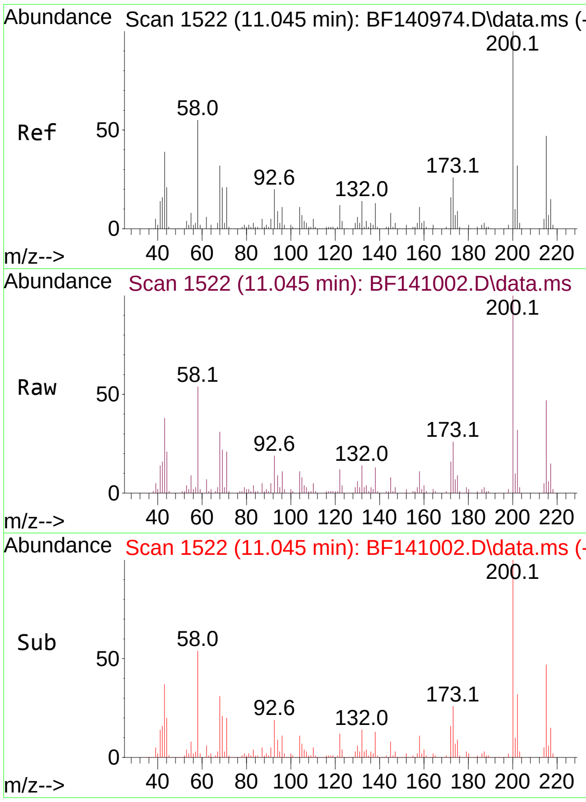
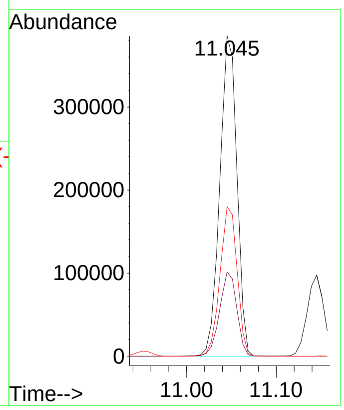
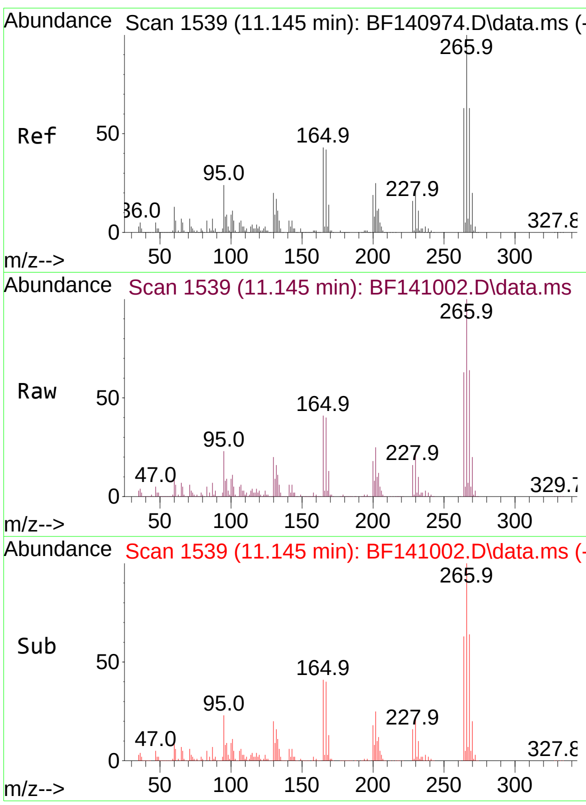


#69
Atrazine
Concen: 64.099 ng
RT: 11.045 min Scan# 1!
Delta R.T. 0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:200 Resp: 51137

Ion	Ratio	Lower	Upper
200	100		
173	26.3	6.4	46.4
215	46.7	27.2	67.2

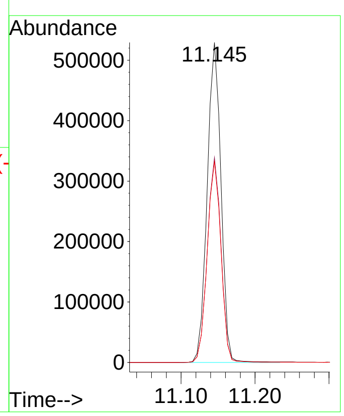


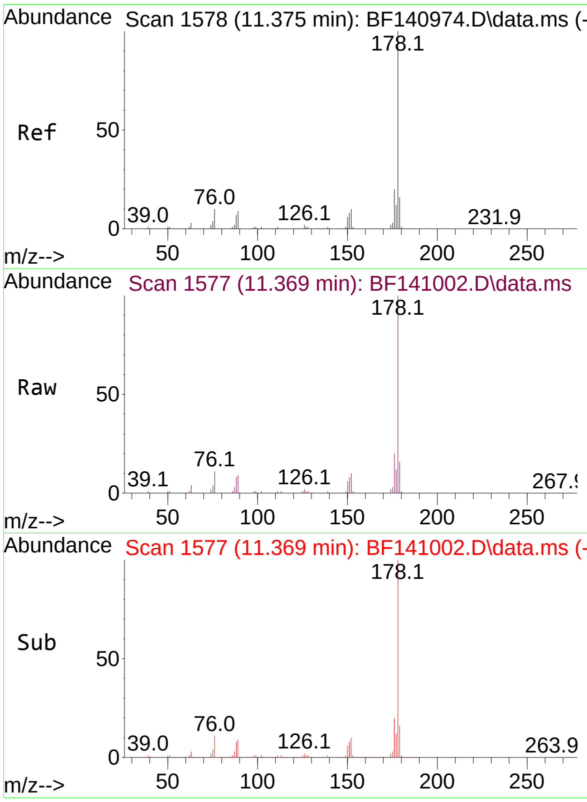


#70
Pentachlorophenol
Concen: 101.741 ng
RT: 11.145 min Scan# 1539
Delta R.T. 0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:266 Resp: 684732

Ion	Ratio	Lower	Upper
266	100		
268	64.0	50.5	75.7
264	62.7	50.2	75.4

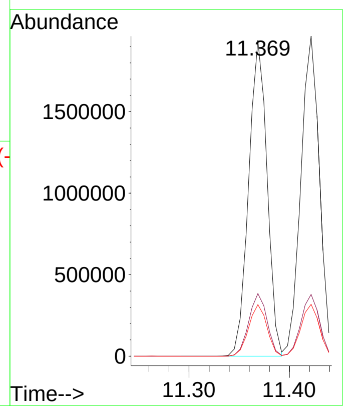




#71
Phenanthrene
Concen: 51.894 ng
RT: 11.369 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:178 Resp: 247682

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.8	23.6
179	16.3	12.6	19.0



Instrument :
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ClientSampleId :
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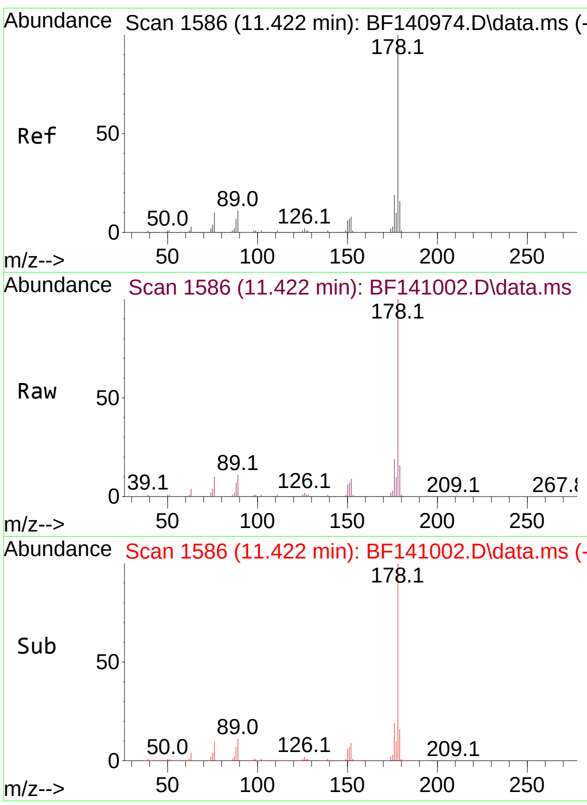
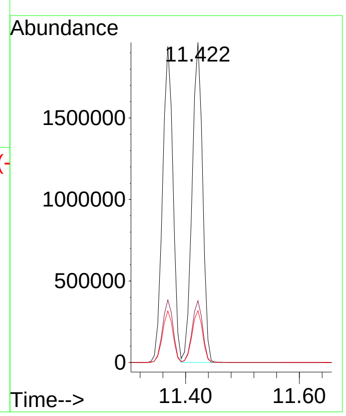
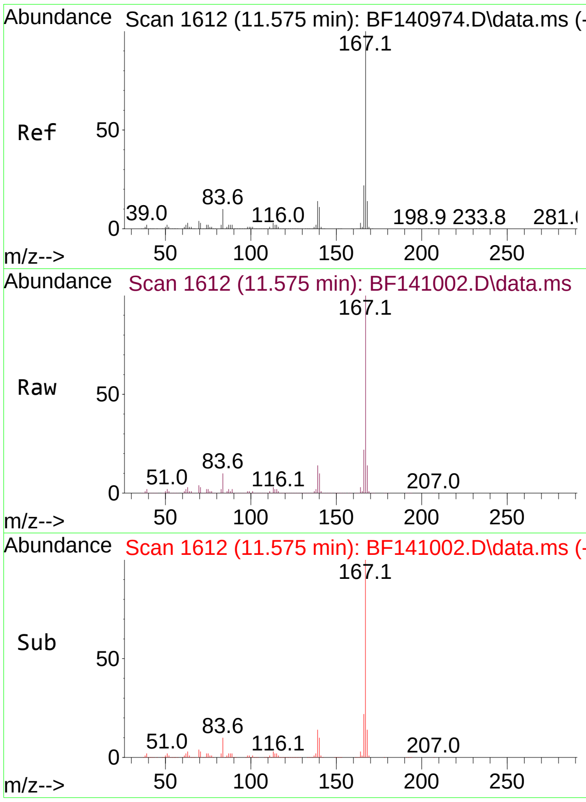


#72
Anthracene
Concen: 53.821 ng
RT: 11.422 min Scan# 1586
Delta R.T. -0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:178 Resp: 2517077

Ion	Ratio	Lower	Upper
178	100		
176	19.3	15.3	22.9
179	16.2	12.9	19.3

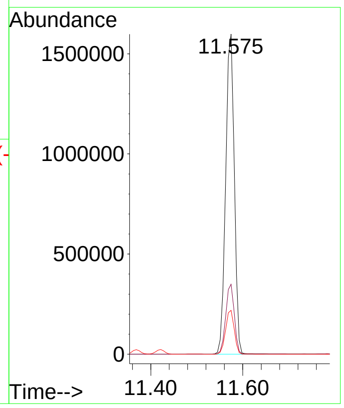




#73
Carbazole
Concen: 46.264 ng
RT: 11.575 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:167 Resp: 207999

Ion	Ratio	Lower	Upper
167	100		
166	21.8	17.5	26.3
139	13.7	11.0	16.4



Instrument :
BNA_F
ClientSampleId :
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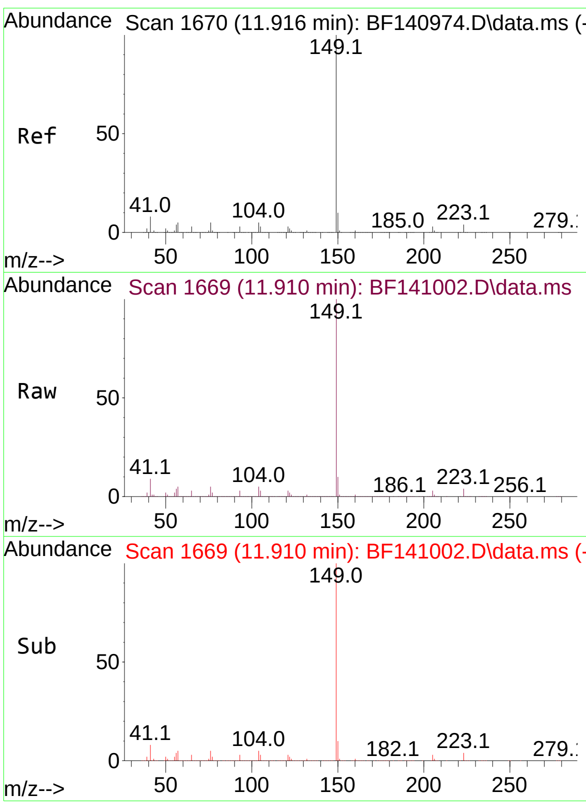
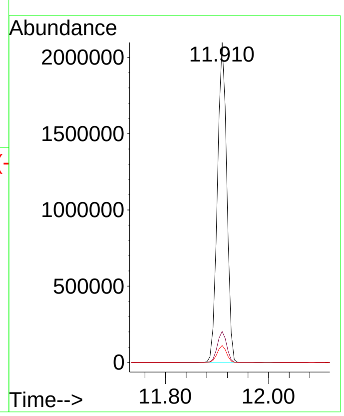
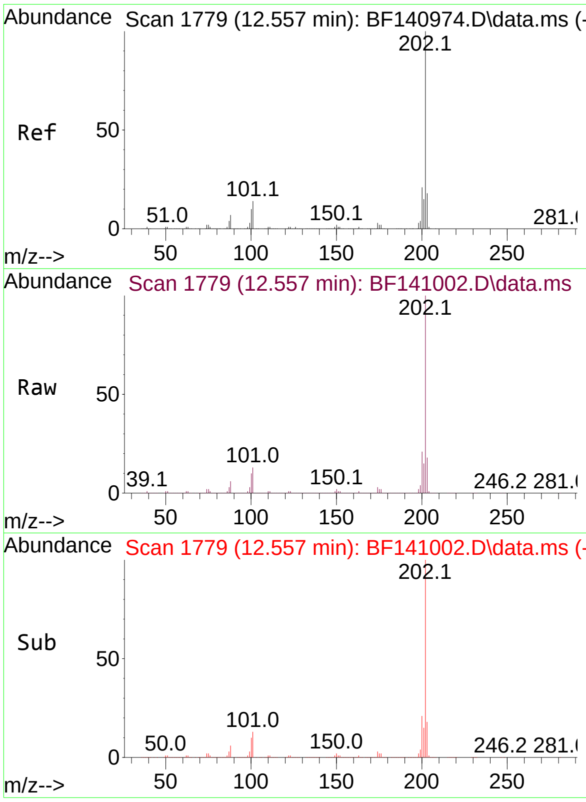


#74
Di-n-butylphthalate
Concen: 51.469 ng
RT: 11.910 min Scan# 1669
Delta R.T. -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:149 Resp: 2631937

Ion	Ratio	Lower	Upper
149	100		
150	9.7	7.7	11.5
104	5.3	4.1	6.1





#75
Fluoranthene
Concen: 44.093 ng
RT: 12.557 min Scan# 1
Delta R.T. -0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:202 Resp: 228242

Ion	Ratio	Lower	Upper
202	100		
101	13.0	0.0	33.7
203	18.0	0.0	38.1

Instrument :
BNA_F
ClientSampleId :
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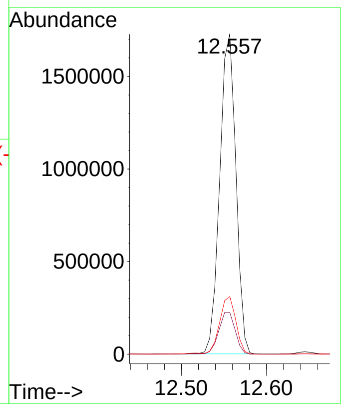
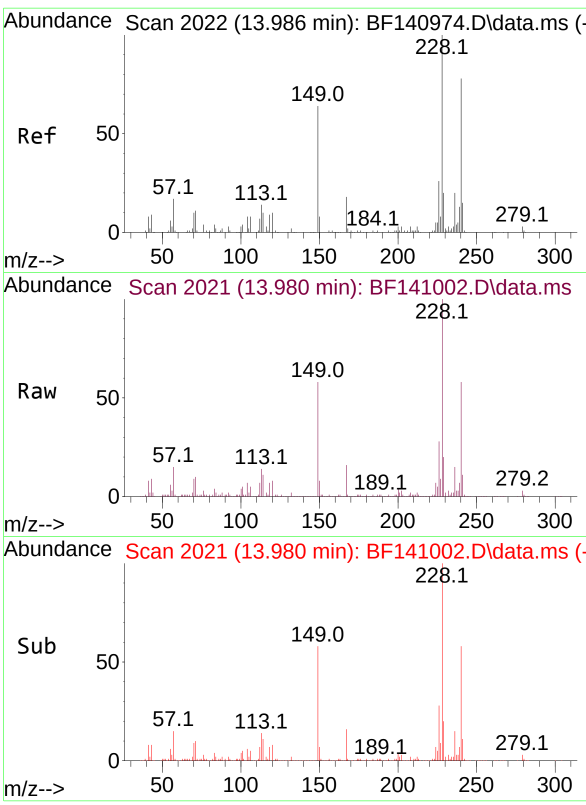
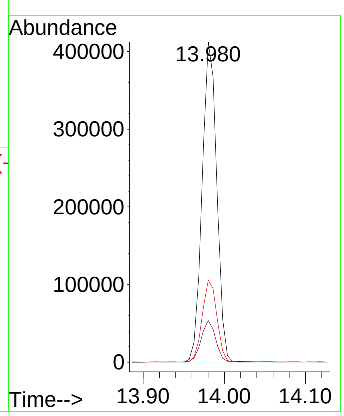




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:240 Resp: 514884

Ion	Ratio	Lower	Upper
240	100		
120	13.0	10.7	16.1
236	25.7	20.6	31.0



Instrument :
BNA_F
ClientSampleId :
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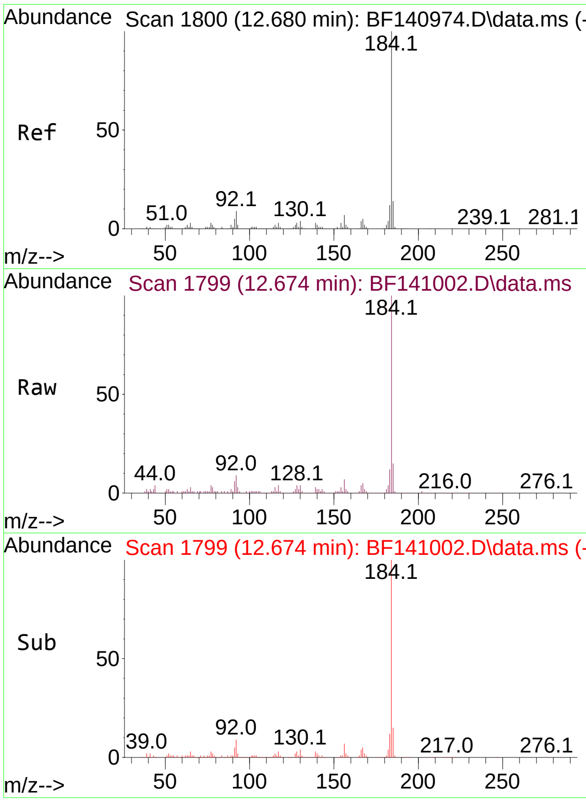
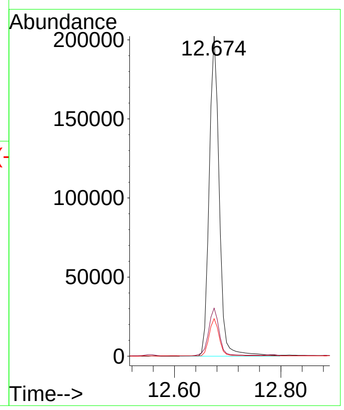
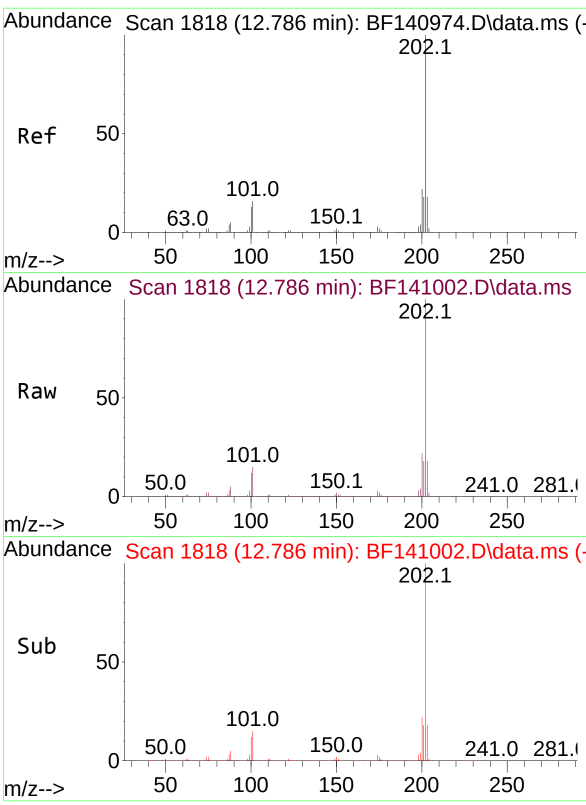


#77
Benzidine
Concen: 24.438 ng
RT: 12.674 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:184 Resp: 26592

Ion	Ratio	Lower	Upper
184	100		
185	15.0	11.4	17.2
183	11.7	9.4	14.0

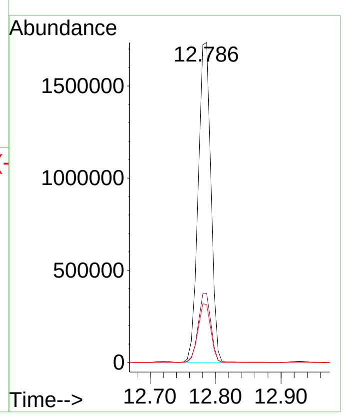




#78
Pyrene
Concen: 51.979 ng
RT: 12.786 min Scan# 1818
Delta R.T. -0.000 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:202 Resp: 2340656

Ion	Ratio	Lower	Upper
202	100		
200	21.6	17.3	25.9
203	18.1	14.6	21.8



Sample Results: **BF141002.D**

Instrument :
BNA_F
ClientSampleId :
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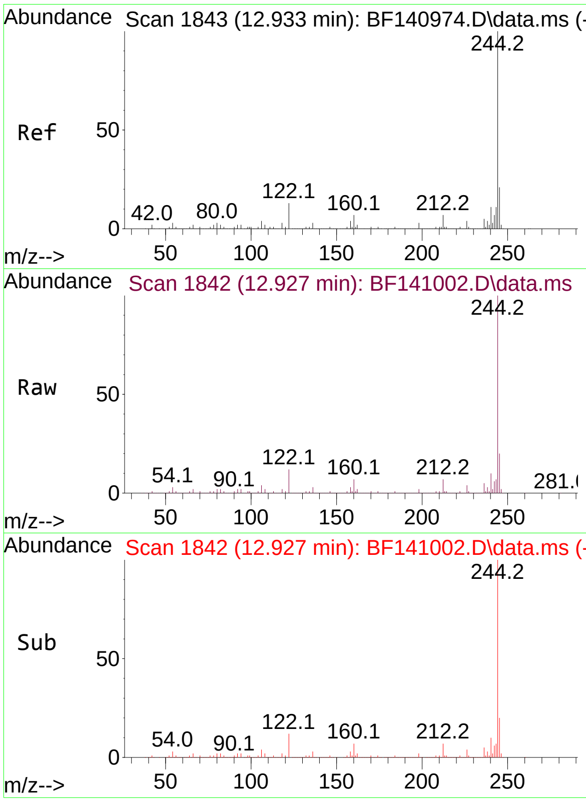
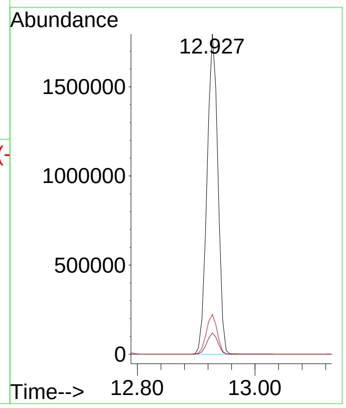
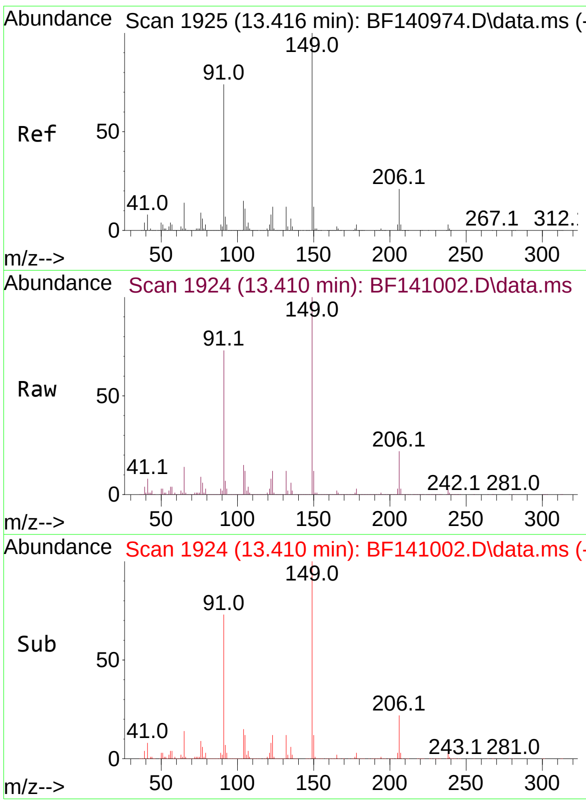



```
#79
Terphenyl-d14
Concen:   74.274 ng
RT:  12.927 min  Scan# 1
Delta R.T.  -0.006 min
Lab File:   BF141002.D
Acq: 27 Dec 2024  17:46

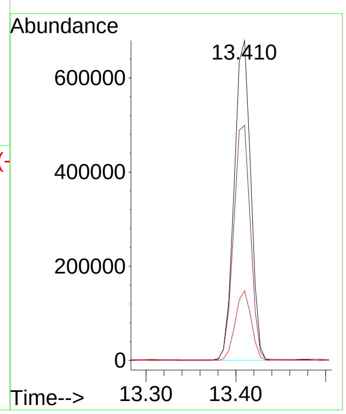
Tgt Ion:244 Resp: 230239
Ion  Ratio  Lower  Upper
244  100
212    6.6    5.7    8.5
122   12.4   10.2   15.2
```

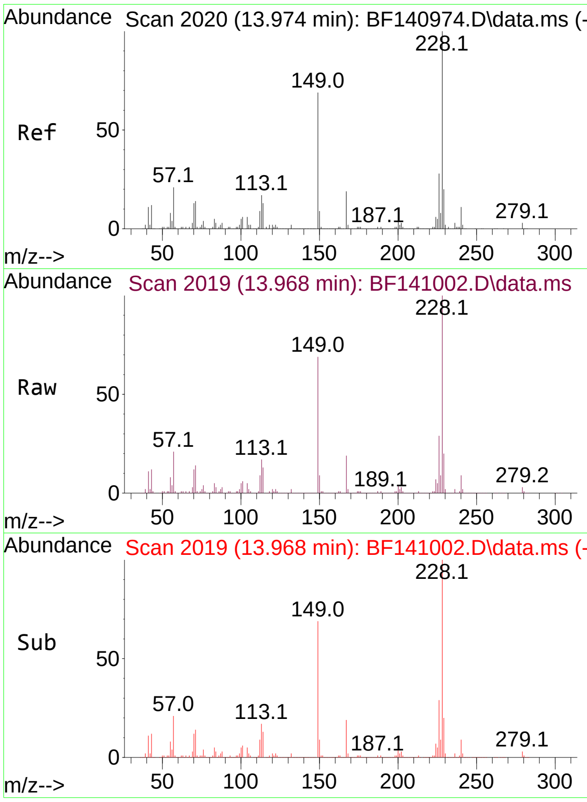





```
#80
Butylbenzylphthalate
Concen:   52.754 ng
RT:  13.410 min  Scan# 1924
Delta R.T.  -0.006 min
Lab File:   BF141002.D
Acq: 27 Dec 2024  17:46

Tgt Ion:149 Resp:  867445
Ion  Ratio  Lower  Upper
149  100
 91   73.5   59.5   89.3
206   21.7   17.1   25.7
```





#81
Benzo(a)anthracene
Concen: 48.147 ng
RT: 13.968 min Scan# 2(
Delta R.T. -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:228 Resp: 172771

Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.1	33.1
229	20.3	16.2	24.2

Instrument :
BNA_F
ClientSampleId :
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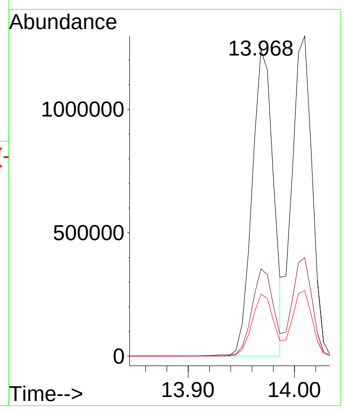
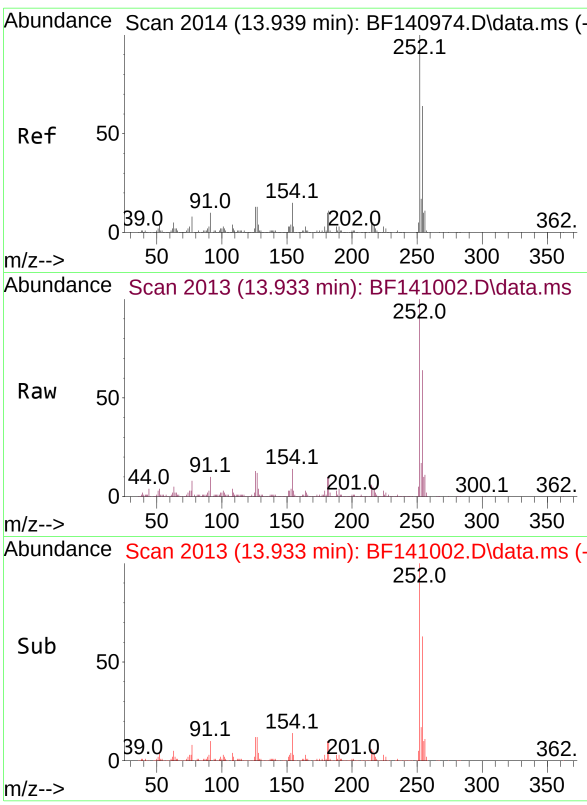
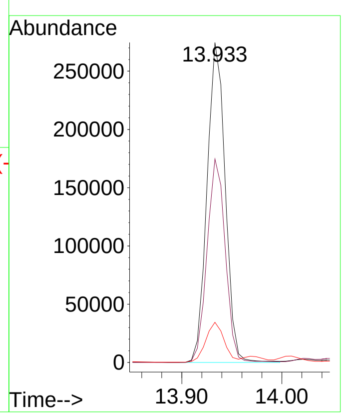


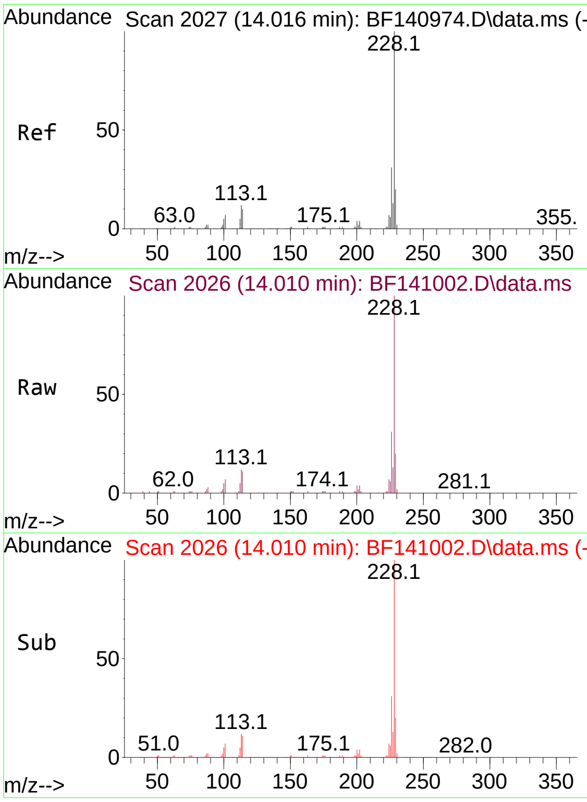


#82
3,3'-Dichlorobenzidine
Concen: 32.337 ng
RT: 13.933 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:252 Resp: 348638

Ion	Ratio	Lower	Upper
252	100		
254	63.6	51.5	77.3
126	12.6	10.3	15.5





#83
Chrysene
Concen: 52.241 ng
RT: 14.010 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:228 Resp: 168992

Ion	Ratio	Lower	Upper
228	100		
226	30.8	24.5	36.7
229	20.4	16.2	24.4

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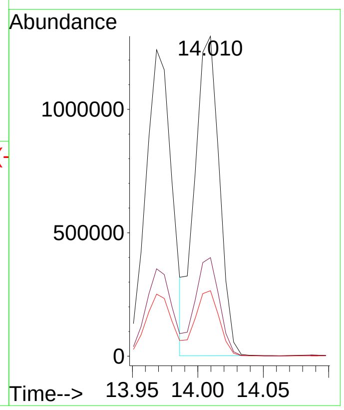
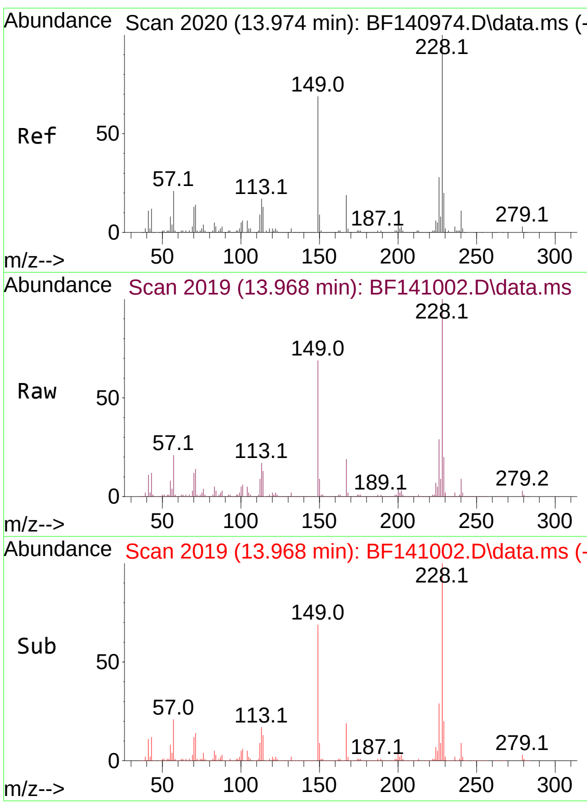
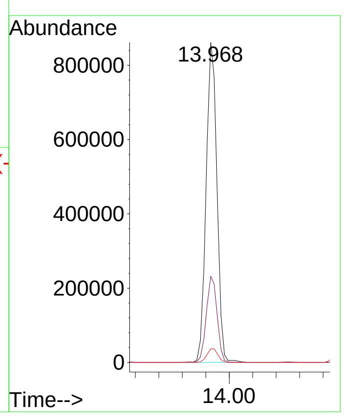


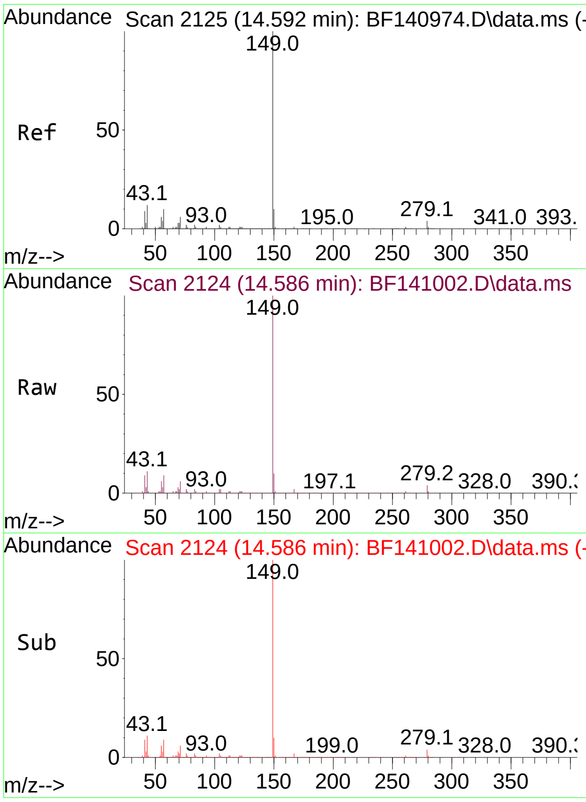


#84
Bis(2-ethylhexyl)phthalate
Concen: 51.736 ng
RT: 13.968 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:149 Resp: 1103487

Ion	Ratio	Lower	Upper
149	100		
167	26.9	21.6	32.4
279	4.3	3.2	4.8





#85
Di-n-octyl phthalate
Concen: 60.453 ng
RT: 14.586 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

Tgt Ion:149 Resp: 186620

Ion	Ratio	Lower	Upper
149	100		
167	1.6	1.2	1.8
43	11.2	9.3	13.9

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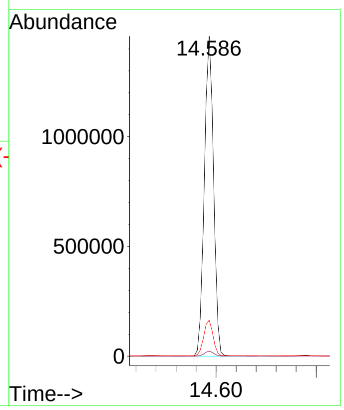
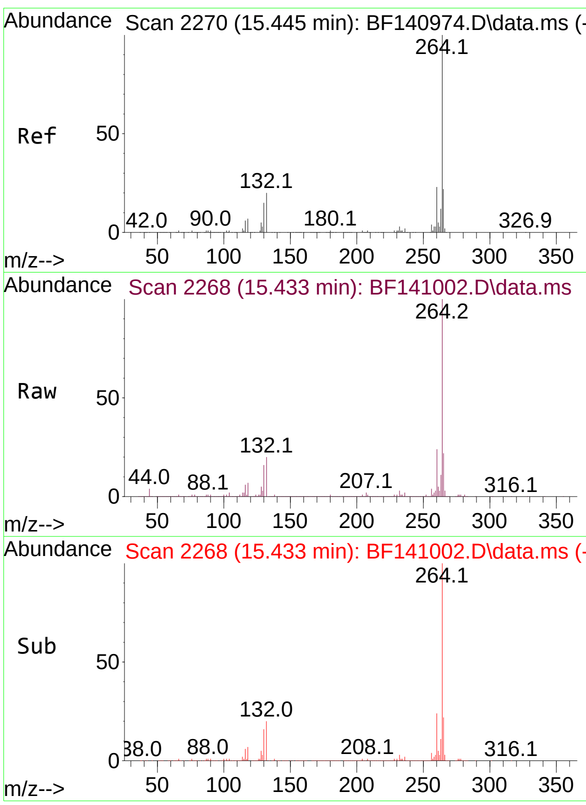
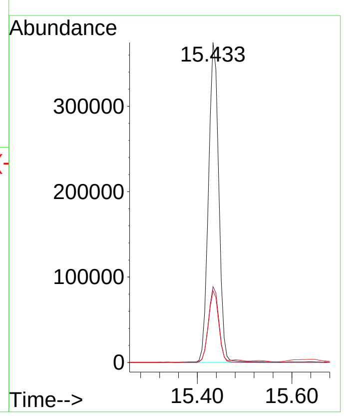




#86
Perylene-d12
Concen: 20.000 ng
RT: 15.433 min Scan# 2268
Delta R.T. -0.012 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:264 Resp: 567943

Ion	Ratio	Lower	Upper
264	100		
260	23.7	18.7	28.1
265	22.4	17.4	26.2



Instrument :
BNA_F
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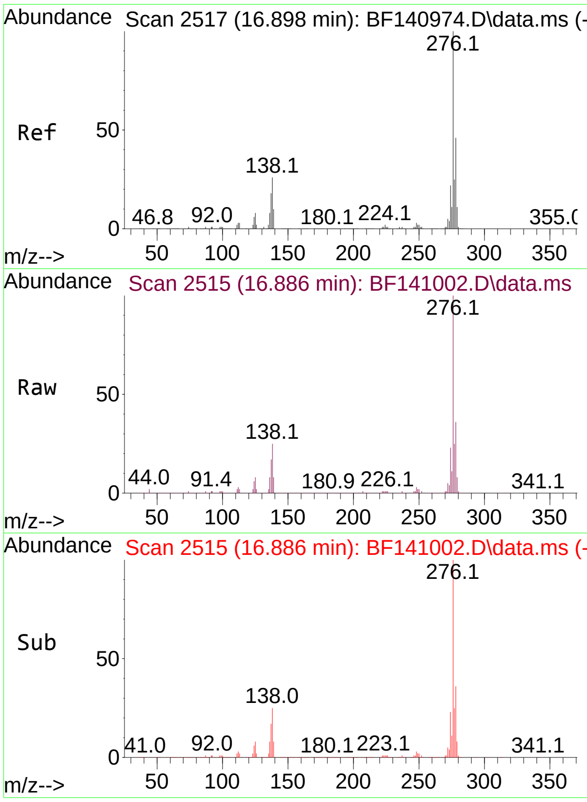
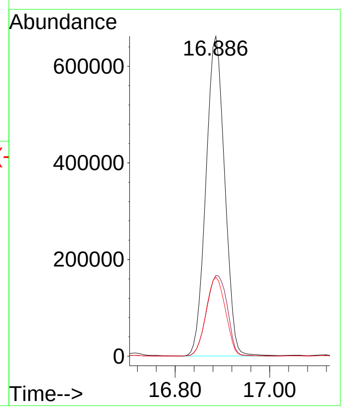
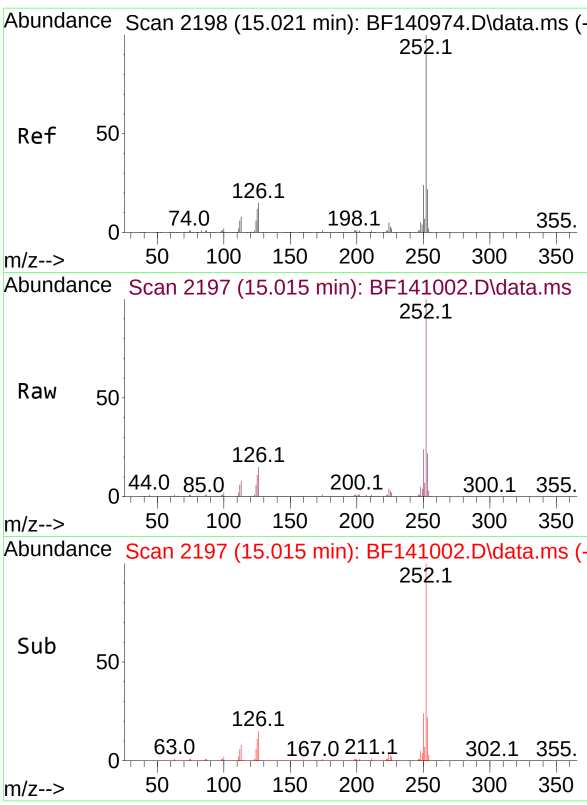


#87
Indeno(1,2,3-cd)pyrene
Concen: 50.984 ng
RT: 16.886 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:276 Resp: 182429

Ion	Ratio	Lower	Upper
276	100		
138	28.0	23.1	34.7
277	25.7	20.4	30.6

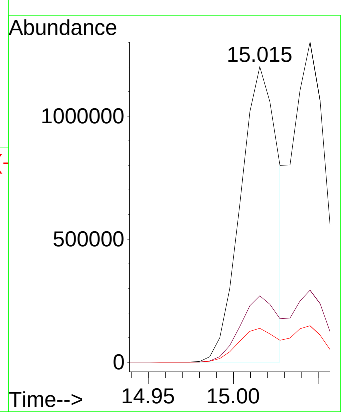


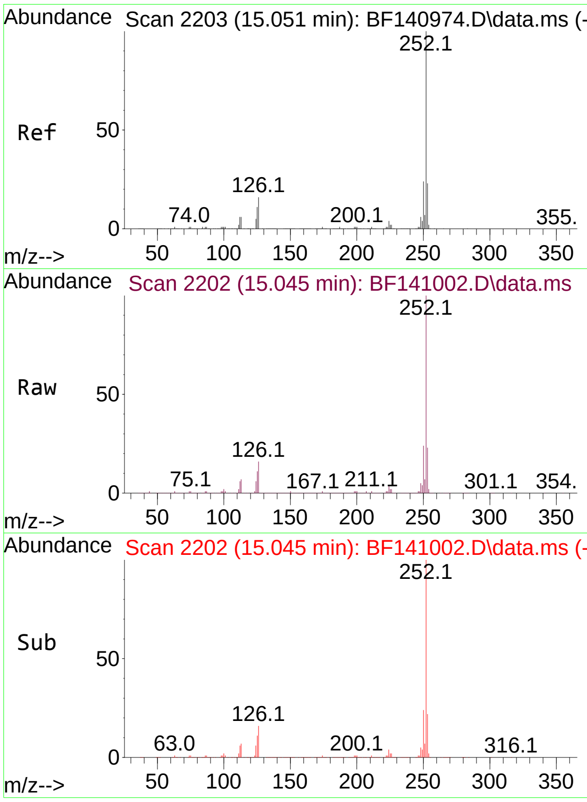


#88
Benzo(b)fluoranthene
Concen: 45.749 ng
RT: 15.015 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:252 Resp: 1812141

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.7	26.5
125	11.5	9.3	13.9

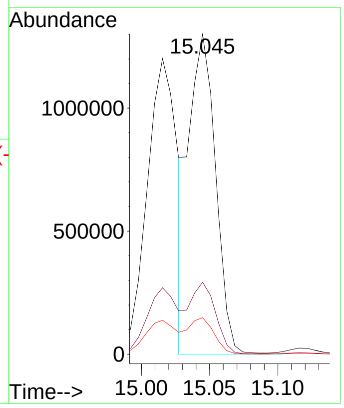




#89
Benzo(k)fluoranthene
Concen: 57.693 ng m
RT: 15.045 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:252 Resp: 179111

Ion	Ratio	Lower	Upper
252	100		
253	22.5	17.8	26.8
125	11.4	9.4	14.0



Instrument :
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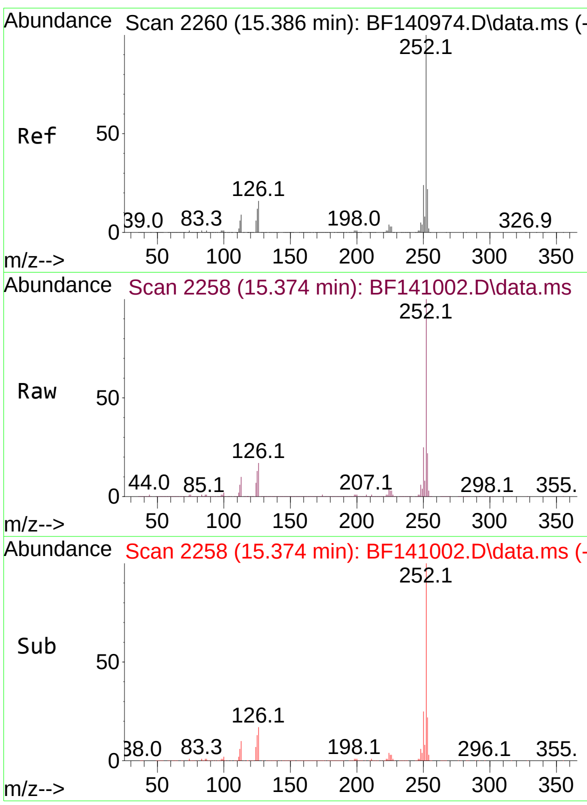
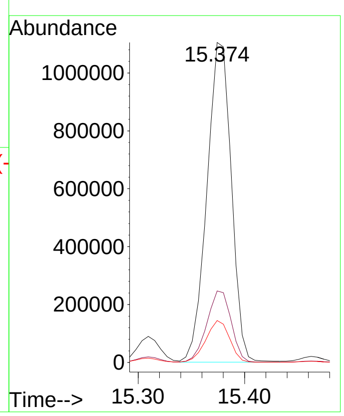
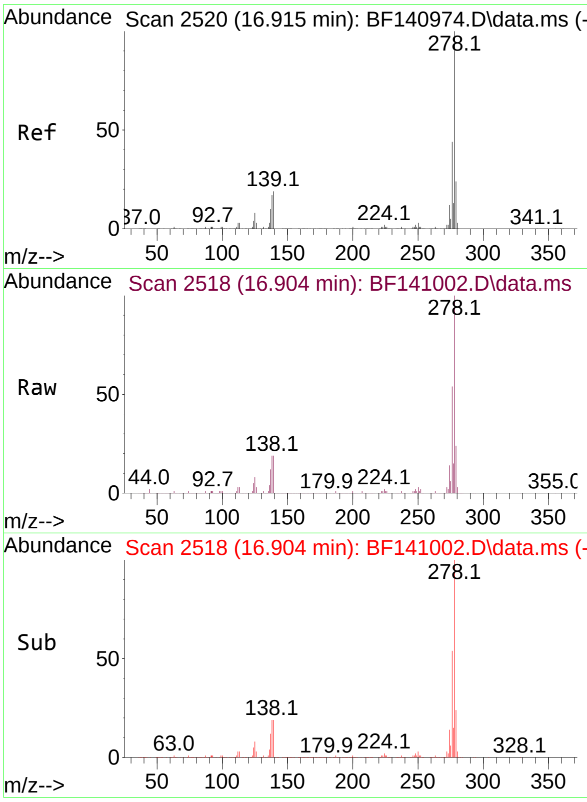


#90
Benzo(a)pyrene
Concen: 57.473 ng
RT: 15.374 min Scan# 2258
Delta R.T. -0.012 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:252 Resp: 1766988

Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.2	25.8
125	13.1	9.8	14.8

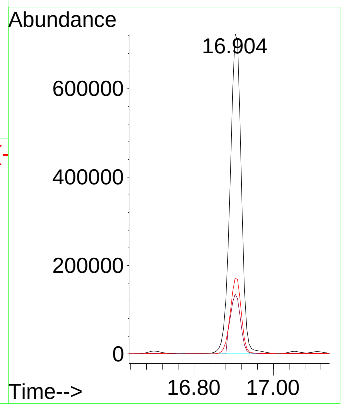




#91
Dibenzo(a,h)anthracene
Concen: 49.318 ng
RT: 16.904 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:278 Resp: 143046

Ion	Ratio	Lower	Upper
278	100		
139	18.7	14.9	22.3
279	23.7	19.0	28.6



Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MS

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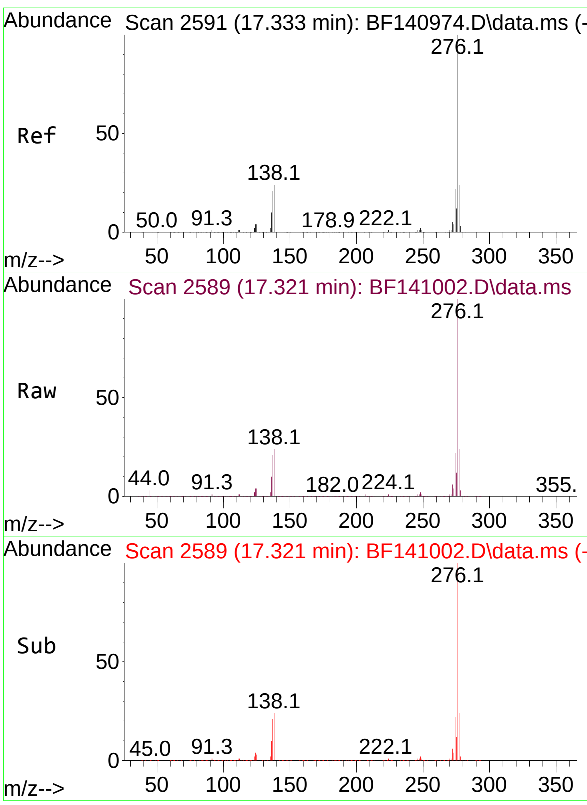
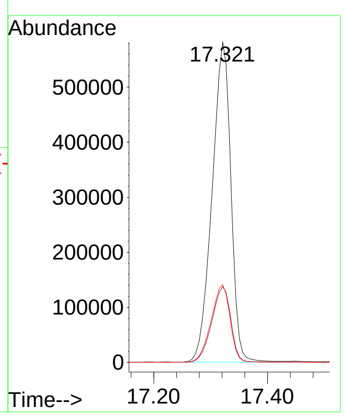


#92
Benzo(g,h,i)perylene
Concen: 44.299 ng
RT: 17.321 min Scan# 2589
Delta R.T. -0.012 min
Lab File: BF141002.D
Acq: 27 Dec 2024 17:46

Tgt Ion:276 Resp: 1332683

Ion	Ratio	Lower	Upper
276	100		
277	23.7	19.0	28.4
138	24.3	19.4	29.2



Alliance TECHNICAL GROUP

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

Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	12/19/24
Project:	Con Ed Non-MGP - East River SI 453648	Date Received:	12/19/24
Client Sample ID:	WC-SOIL-20241219MSD	SDG No.:	P5362
Lab Sample ID:	P5362-01MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141003.D	1	12/23/24 09:35	12/27/24 18:13	PB165814

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
100-52-7	Benzaldehyde	480		200	360	ug/Kg
108-95-2	Phenol	1900		89.9	180	ug/Kg
111-44-4	bis(2-Chloroethyl)ether	1700		90.7	180	ug/Kg
95-57-8	2-Chlorophenol	1800		90.5	180	ug/Kg
95-48-7	2-Methylphenol	1800		87.4	180	ug/Kg
108-60-1	2,2-oxybis(1-Chloropropane)	1800		98.5	180	ug/Kg
98-86-2	Acetophenone	1700		94.2	180	ug/Kg
65794-96-9	3+4-Methylphenols	1800		86.5	360	ug/Kg
621-64-7	n-Nitroso-di-n-propylamine	1800		43.7	86.7	ug/Kg
67-72-1	Hexachloroethane	1700		90.0	180	ug/Kg
98-95-3	Nitrobenzene	1900		98.4	180	ug/Kg
78-59-1	Isophorone	1800		91.7	180	ug/Kg
88-75-5	2-Nitrophenol	2100		100	180	ug/Kg
105-67-9	2,4-Dimethylphenol	2100		100	180	ug/Kg
111-91-1	bis(2-Chloroethoxy)methane	1700		93.0	180	ug/Kg
120-83-2	2,4-Dichlorophenol	1800		81.8	180	ug/Kg
91-20-3	Naphthalene	1700		89.5	180	ug/Kg
106-47-8	4-Chloroaniline	410		89.5	180	ug/Kg
87-68-3	Hexachlorobutadiene	1700		90.3	180	ug/Kg
105-60-2	Caprolactam	1800		94.1	360	ug/Kg
59-50-7	4-Chloro-3-methylphenol	1800		84.0	180	ug/Kg
91-57-6	2-Methylnaphthalene	1700		89.4	180	ug/Kg
77-47-4	Hexachlorocyclopentadiene	4400	E	170	360	ug/Kg
88-06-2	2,4,6-Trichlorophenol	1900		77.4	180	ug/Kg
95-95-4	2,4,5-Trichlorophenol	1800		80.2	180	ug/Kg
92-52-4	1,1-Biphenyl	1700		94.7	180	ug/Kg
91-58-7	2-Chloronaphthalene	1700		90.3	180	ug/Kg
88-74-4	2-Nitroaniline	2100		100	180	ug/Kg
131-11-3	Dimethylphthalate	1800		88.6	180	ug/Kg

Alliance TECHNICAL GROUP

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

Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	12/19/24
Project:	Con Ed Non-MGP - East River SI 453648	Date Received:	12/19/24
Client Sample ID:	WC-SOIL-20241219MSD	SDG No.:	P5362
Lab Sample ID:	P5362-01MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141003.D	1	12/23/24 09:35	12/27/24 18:13	PB165814

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
208-96-8	Acenaphthylene	1800		93.8	180	ug/Kg
606-20-2	2,6-Dinitrotoluene	2000		90.2	180	ug/Kg
99-09-2	3-Nitroaniline	1000		96.7	180	ug/Kg
83-32-9	Acenaphthene	1900		87.9	180	ug/Kg
51-28-5	2,4-Dinitrophenol	3500	E	260	360	ug/Kg
100-02-7	4-Nitrophenol	3800	E	130	360	ug/Kg
132-64-9	Dibenzofuran	1800		91.5	180	ug/Kg
121-14-2	2,4-Dinitrotoluene	2100		93.4	180	ug/Kg
84-66-2	Diethylphthalate	1800		86.8	180	ug/Kg
7005-72-3	4-Chlorophenyl-phenylether	1700		92.8	180	ug/Kg
86-73-7	Fluorene	1700		92.7	180	ug/Kg
100-01-6	4-Nitroaniline	1700		120	180	ug/Kg
534-52-1	4,6-Dinitro-2-methylphenol	2100		130	360	ug/Kg
86-30-6	n-Nitrosodiphenylamine	1900		88.5	180	ug/Kg
101-55-3	4-Bromophenyl-phenylether	1900		85.5	180	ug/Kg
118-74-1	Hexachlorobenzene	1900		92.1	180	ug/Kg
1912-24-9	Atrazine	2300		99.1	180	ug/Kg
87-86-5	Pentachlorophenol	3600	E	83.8	360	ug/Kg
85-01-8	Phenanthrene	1900		91.1	180	ug/Kg
120-12-7	Anthracene	1900		91.5	180	ug/Kg
86-74-8	Carbazole	1600		87.1	180	ug/Kg
84-74-2	Di-n-butylphthalate	1800		91.4	180	ug/Kg
206-44-0	Fluoranthene	1600		88.6	180	ug/Kg
129-00-0	Pyrene	1900		90.0	180	ug/Kg
85-68-7	Butylbenzylphthalate	1900		100	180	ug/Kg
91-94-1	3,3-Dichlorobenzidine	1200		110	360	ug/Kg
56-55-3	Benzo(a)anthracene	1800		87.5	180	ug/Kg
218-01-9	Chrysene	1800		86.2	180	ug/Kg
117-81-7	Bis(2-ethylhexyl)phthalate	1900		98.7	180	ug/Kg
117-84-0	Di-n-octyl phthalate	2200		120	360	ug/Kg
205-99-2	Benzo(b)fluoranthene	1800		87.9	180	ug/Kg

Raw Data: **BF141003.D**

Alliance TECHNICAL GROUP

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

Report of Analysis

Client:	PARSONS Main of New York, Inc.	Date Collected:	12/19/24
Project:	Con Ed Non-MGP - East River SI 453648	Date Received:	12/19/24
Client Sample ID:	WC-SOIL-20241219MSD	SDG No.:	P5362
Lab Sample ID:	P5362-01MSD	Matrix:	SOIL
Analytical Method:	SW8270	% Solid:	92
Sample Wt/Vol:	30.08 Units: g	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-TCL BNA -20
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :	SW3541		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BF141003.D	1	12/23/24 09:35	12/27/24 18:13	PB165814

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
207-08-9	Benzo(k)fluoranthene	1800		89.5	180	ug/Kg
50-32-8	Benzo(a)pyrene	2000		100	180	ug/Kg
193-39-5	Indeno(1,2,3-cd)pyrene	1700		84.7	180	ug/Kg
53-70-3	Dibenzo(a,h)anthracene	1700		88.0	180	ug/Kg
191-24-2	Benzo(g,h,i)perylene	1500		86.8	180	ug/Kg
95-94-3	1,2,4,5-Tetrachlorobenzene	1700		94.1	180	ug/Kg
123-91-1	1,4-Dioxane	1700		120	180	ug/Kg
58-90-2	2,3,4,6-Tetrachlorophenol	1900		81.0	180	ug/Kg
SURROGATES						
367-12-4	2-Fluorophenol	105		18 - 112	70%	SPK: 150
13127-88-3	Phenol-d6	105		15 - 107	70%	SPK: 150
4165-60-0	Nitrobenzene-d5	87.5		18 - 107	88%	SPK: 100
321-60-8	2-Fluorobiphenyl	69.9		20 - 109	70%	SPK: 100
118-79-6	2,4,6-Tribromophenol	119		10 - 116	79%	SPK: 150
1718-51-0	Terphenyl-d14	72.6		10 - 105	73%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	253000	6.822			
1146-65-2	Naphthalene-d8	1020000	8.104			
15067-26-2	Acenaphthene-d10	550000	9.857			
1517-22-2	Phenanthrene-d10	894000	11.345			
1719-03-5	Chrysene-d12	509000	13.98			
1520-96-3	Perylene-d12	561000	15.439			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **BF141003.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF141003.D
Acq On : 27 Dec 2024 18:13
Operator : RC/JU
Sample : P5362-01MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Manual Integrations
APPROVED
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

Quant Time: Dec 27 22:19:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.822	152	253419	20.000	ng	0.00
21) Naphthalene-d8	8.104	136	1023386	20.000	ng	0.00
39) Acenaphthene-d10	9.857	164	549521	20.000	ng	0.00
64) Phenanthrene-d10	11.345	188	894495	20.000	ng	0.00
76) Chrysene-d12	13.980	240	509383	20.000	ng	0.00
86) Perylene-d12	15.439	264	560831	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.440	112	1762750	104.851	ng	0.00
7) Phenol-d6	6.446	99	2266172	104.638	ng	0.00
23) Nitrobenzene-d5	7.387	82	1399957	87.520	ng	0.00
42) 2,4,6-Tribromophenol	10.645	330	633400	118.620	ng	0.00
45) 2-Fluorobiphenyl	9.181	172	2410818	69.897	ng	0.00
79) Terphenyl-d14	12.928	244	2226516	72.602	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.646	88	353386	46.429	ng	99
3) Pyridine	3.381	79	900503	48.412	ng	99
4) n-Nitrosodimethylamine	3.334	42	462579	49.082	ng	100
6) Aniline	6.487	93	622195	32.213	ng	100
8) 2-Chlorophenol	6.604	128	903555	50.976	ng	99
9) Benzaldehyde	6.369	77	199802	13.360	ng	99
10) Phenol	6.463	94	1149319	51.322	ng	100
11) bis(2-Chloroethyl)ether	6.563	93	837222	46.301	ng	98
12) 1,3-Dichlorobenzene	6.763	146	914719	46.761	ng	100
13) 1,4-Dichlorobenzene	6.840	146	921998	46.755	ng	100
14) 1,2-Dichlorobenzene	6.993	146	882236	47.984	ng	99
15) Benzyl Alcohol	6.963	79	793572	50.991	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.098	45	1356908	49.621	ng	99
17) 2-Methylphenol	7.075	107	735228	49.929	ng	100
18) Hexachloroethane	7.340	117	335171	47.847	ng	99
19) n-Nitroso-di-n-propyla...	7.240	70	643021	48.464	ng	100
20) 3+4-Methylphenols	7.228	107	914603	49.081	ng	# 85
22) Acetophenone	7.234	105	1179481	46.982	ng	97
24) Nitrobenzene	7.404	77	951609	53.241	ng	98
25) Isophorone	7.646	82	1711648	49.174	ng	99
26) 2-Nitrophenol	7.722	139	445336	59.384	ng	99
27) 2,4-Dimethylphenol	7.757	122	735156	57.790	ng	100
28) bis(2-Chloroethoxy)met...	7.857	93	1044883	47.379	ng	100
29) 2,4-Dichlorophenol	7.957	162	736390	51.040	ng	98
30) 1,2,4-Trichlorobenzene	8.045	180	743744	45.545	ng	99
31) Naphthalene	8.128	128	2522801	46.782	ng	100
32) Benzoic acid	7.869	122	572879	53.645	ng	99
33) 4-Chloroaniline	8.169	127	219803	11.267	ng	99
34) Hexachlorobutadiene	8.245	225	442655	45.981	ng	100
35) Caprolactam	8.540	113	250065m	50.983	ng	
36) 4-Chloro-3-methylphenol	8.651	107	796410	49.705	ng	100
37) 2-Methylnaphthalene	8.816	142	1663200	48.211	ng	99
38) 1-Methylnaphthalene	8.916	142	1551904	45.773	ng	99
40) 1,2,4,5-Tetrachloroben...	8.981	216	731418	48.381	ng	99
41) Hexachlorocyclopentadiene	8.969	237	615661	122.888	ng	99
43) 2,4,6-Trichlorophenol	9.092	196	529893	52.664	ng	100

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF141003.D
Acq On : 27 Dec 2024 18:13
Operator : RC/JU
Sample : P5362-01MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

Quant Time: Dec 27 22:19:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	9.128	196	522273	50.730	ng		99
46) 1,1'-Biphenyl	9.281	154	2015832	47.909	ng		99
47) 2-Chloronaphthalene	9.304	162	1518070	46.519	ng		100
48) 2-Nitroaniline	9.398	65	496364	57.161	ng		96
49) Acenaphthylene	9.722	152	2387914	50.831	ng		100
50) Dimethylphthalate	9.587	163	1812430	50.142	ng		100
51) 2,6-Dinitrotoluene	9.640	165	406083	54.549	ng		99
52) Acenaphthene	9.892	154	1661885	52.328	ng		100
53) 3-Nitroaniline	9.804	138	210393	27.725	ng	#	95
54) 2,4-Dinitrophenol	9.910	184	310318	96.498	ng	#	1
55) Dibenzofuran	10.063	168	2181754	48.883	ng		100
56) 4-Nitrophenol	9.963	139	657289	106.306	ng		97
57) 2,4-Dinitrotoluene	10.045	165	530670	57.815	ng		97
58) Fluorene	10.410	166	1632155	47.158	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.181	232	451490	52.952	ng		99
60) Diethylphthalate	10.287	149	1746446	48.942	ng		99
61) 4-Chlorophenyl-phenyle...	10.398	204	789415	47.402	ng		99
62) 4-Nitroaniline	10.422	138	366875	45.963	ng		94
63) Azobenzene	10.563	77	2025418	54.076	ng		95
65) 4,6-Dinitro-2-methylph...	10.451	198	221042	59.257	ng		93
66) n-Nitrosodiphenylamine	10.522	169	1483931	52.682	ng		99
67) 4-Bromophenyl-phenylether	10.892	248	521314	53.912	ng		97
68) Hexachlorobenzene	10.951	284	556990	52.239	ng		98
69) Atrazine	11.045	200	499952	63.534	ng		99
70) Pentachlorophenol	11.145	266	665427	100.239	ng		100
71) Phenanthrene	11.369	178	2425244	51.515	ng		100
72) Anthracene	11.422	178	2463235	53.397	ng		100
73) Carbazole	11.575	167	2018900	45.526	ng		100
74) Di-n-butylphthalate	11.910	149	2581274	51.176	ng		100
75) Fluoranthene	12.557	202	2224441	43.566	ng		99
77) Benzidine	12.675	184	295142	27.416	ng		99
78) Pyrene	12.786	202	2307667	51.800	ng		100
80) Butylbenzylphthalate	13.410	149	857483	52.712	ng		99
81) Benzo(a)anthracene	13.969	228	1787977	50.364	ng		99
82) 3,3'-Dichlorobenzidine	13.933	252	343860	32.238	ng		100
83) Chrysene	14.010	228	1567315	48.974	ng		100
84) Bis(2-ethylhexyl)phtha...	13.969	149	1087121	51.520	ng		99
85) Di-n-octyl phthalate	14.586	149	1820294	59.602	ng		99
87) Indeno(1,2,3-cd)pyrene	16.886	276	1680164	47.551	ng		99
88) Benzo(b)fluoranthene	15.016	252	1928344	49.300	ng		100
89) Benzo(k)fluoranthene	15.045	252	1560739	50.910	ng		100
90) Benzo(a)pyrene	15.380	252	1673025	55.106	ng		99
91) Dibenzo(a,h)anthracene	16.910	278	1330281	46.445	ng		99
92) Benzo(g,h,i)perylene	17.321	276	1240443	41.756	ng		99

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

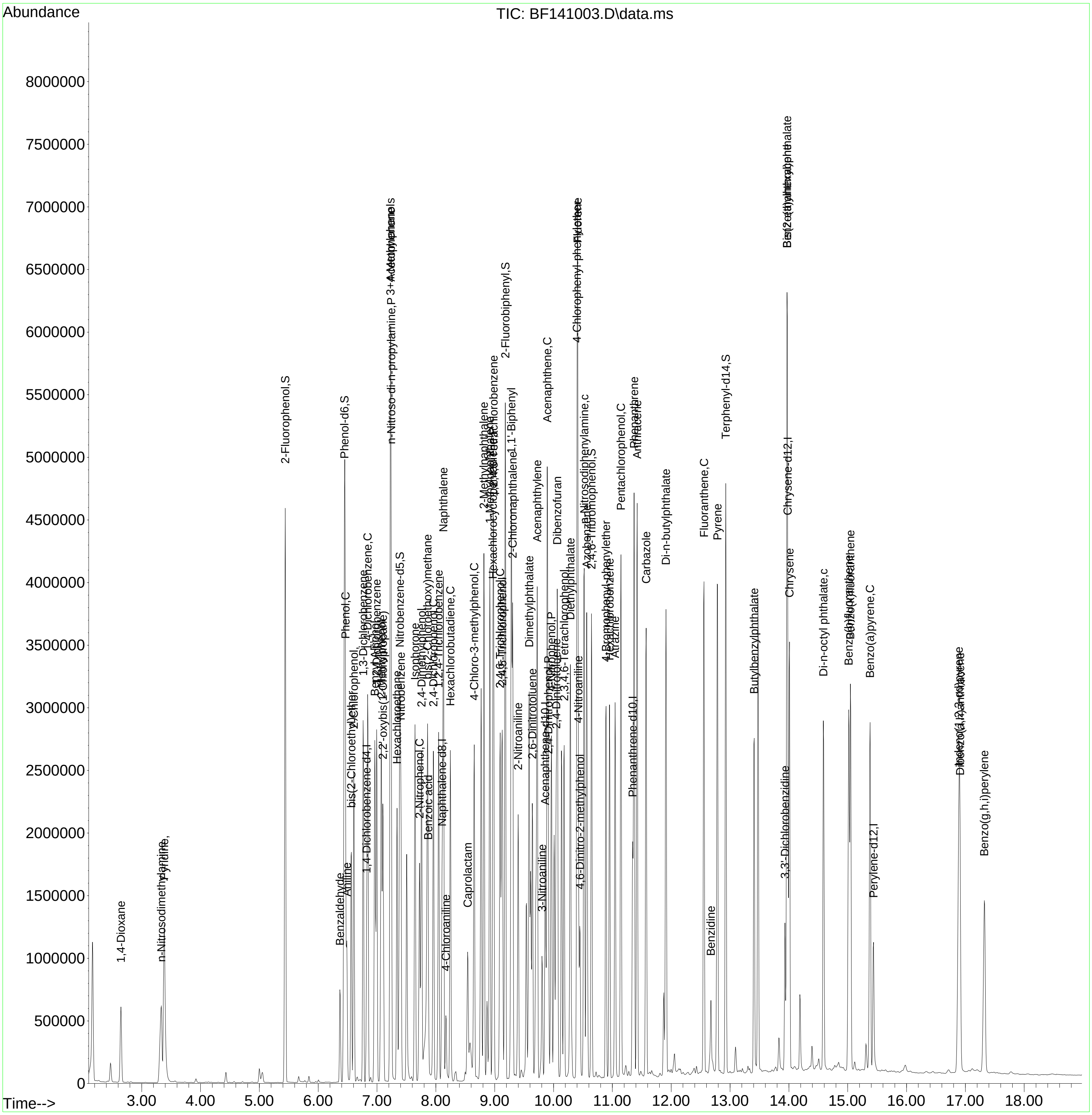
Sample Results: **BF141003.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122724\
Data File : BF141003.D
Acq On : 27 Dec 2024 18:13
Operator : RC/JU
Sample : P5362-01MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Dec 27 22:19:54 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122624.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 27 00:31:16 2024
Response via : Initial Calibration

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

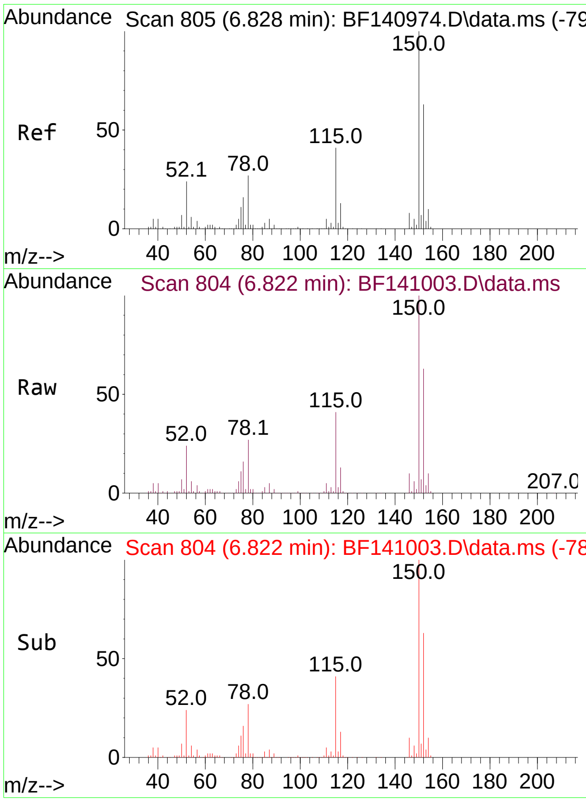
Manual Integrations APPROVED
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Manual Integrations APPROVED

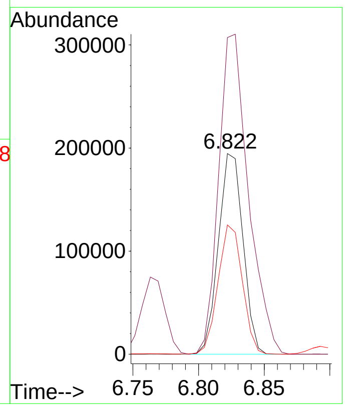
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

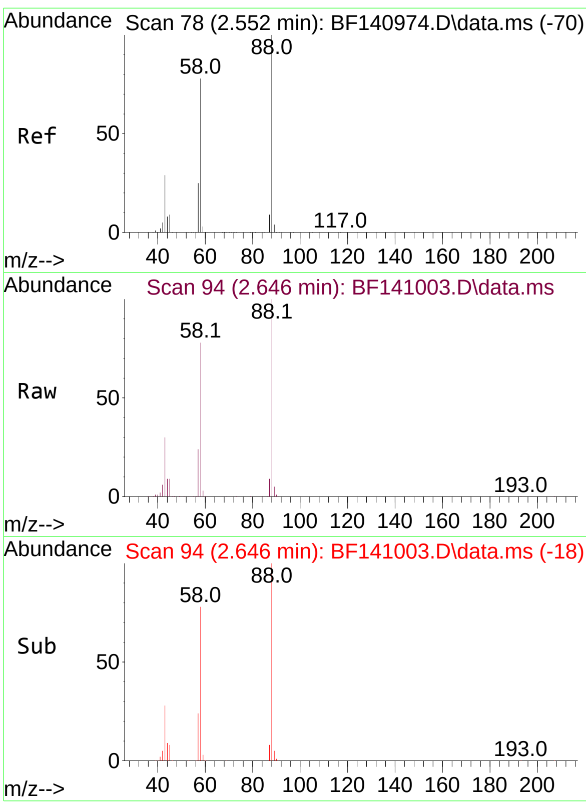


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.822 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion:152 Resp: 25341

Ion	Ratio	Lower	Upper
152	100		
150	157.8	127.0	190.6
115	64.4	51.7	77.5

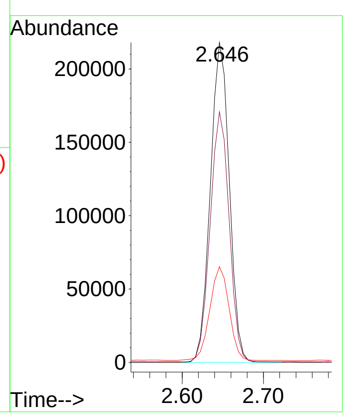




#2
1,4-Dioxane
Concen: 46.429 ng
RT: 2.646 min Scan# 94
Delta R.T. 0.094 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion: 88 Resp: 353386

Ion	Ratio	Lower	Upper
88	100		
58	78.3	63.0	94.4
43	30.0	23.4	35.2



Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Manual Integrations
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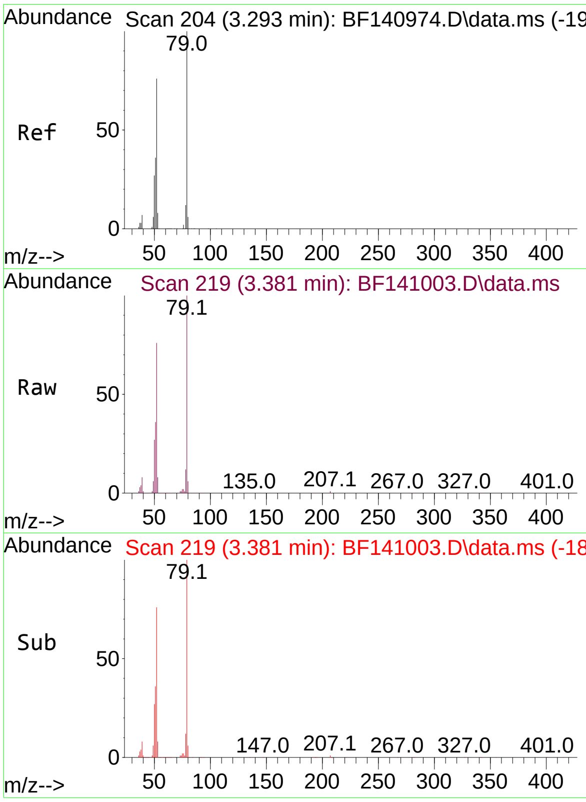
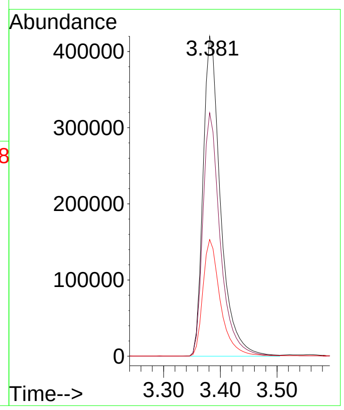
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

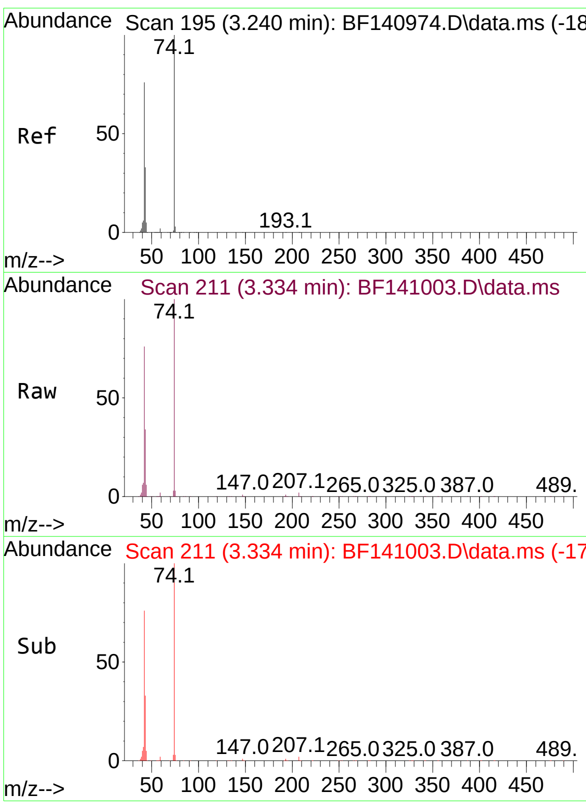


#3
Pyridine
Concen: 48.412 ng
RT: 3.381 min Scan# 2
Delta R.T. 0.088 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion: 79 Resp: 90050

Ion	Ratio	Lower	Upper
79	100		
52	76.0	60.4	90.6
51	36.5	28.8	43.2

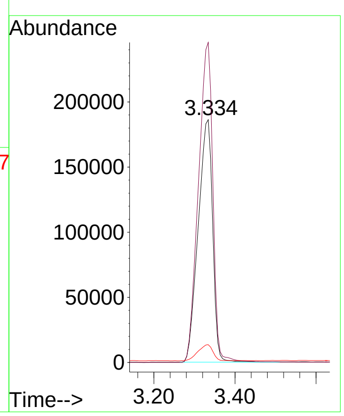




#4
n-Nitrosodimethylamine
Concen: 49.082 ng
RT: 3.334 min Scan# 211
Delta R.T. 0.094 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion: 42 Resp: 462579

Ion	Ratio	Lower	Upper
42	100		
74	131.9	105.8	158.6
44	7.3	6.6	10.0



Sample Results: **BF141003.D**

Instrument :
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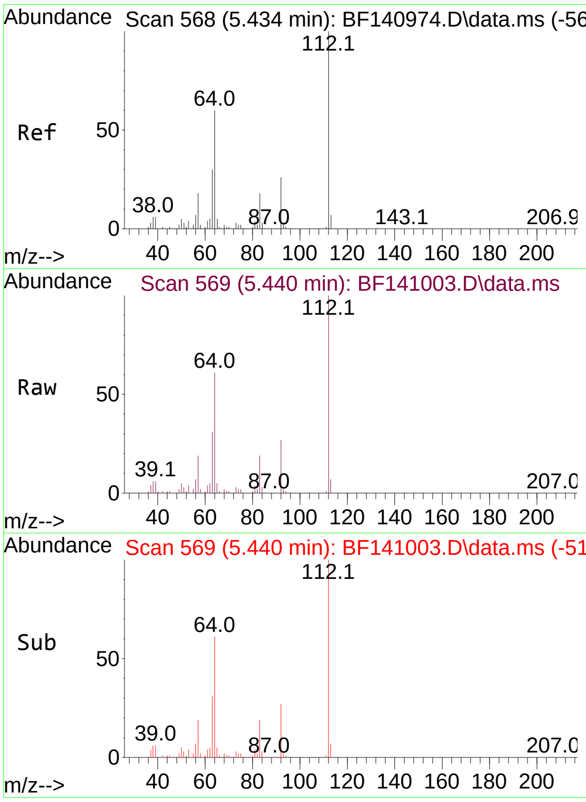
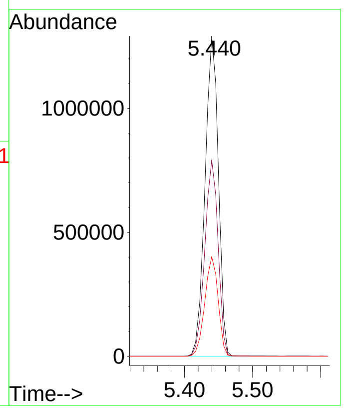
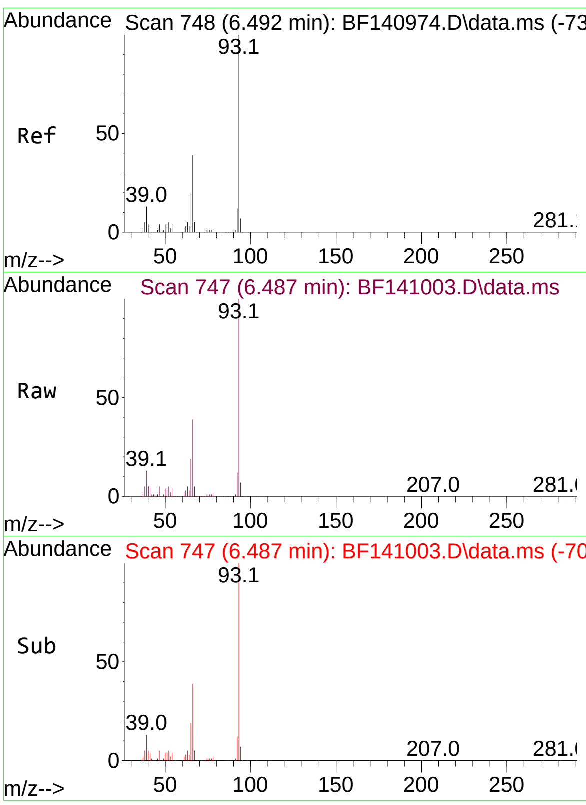


#5
2-Fluorophenol
Concen: 104.851 ng
RT: 5.440 min Scan# 5
Delta R.T. 0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion:112 Resp: 176275

Ion	Ratio	Lower	Upper
112	100		
64	61.3	47.7	71.5
63	31.1	24.2	36.2

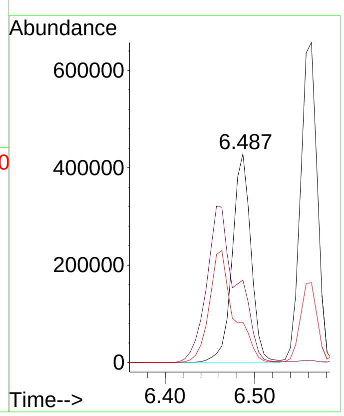




#6
Aniline
Concen: 32.213 ng
RT: 6.487 min Scan# 747
Delta R.T. -0.023 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion: 93 Resp: 622195

Ion	Ratio	Lower	Upper
93	100		
66	39.5	31.8	47.8
65	19.3	15.4	23.0



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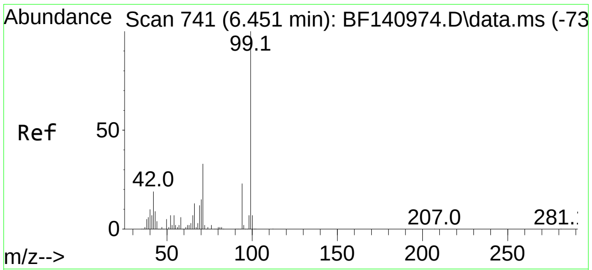
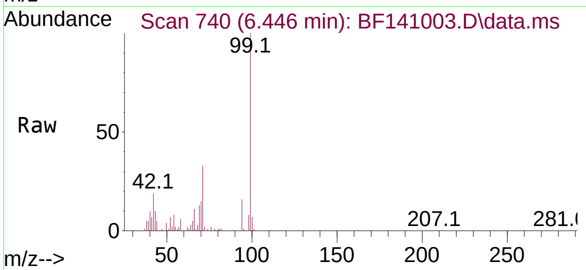
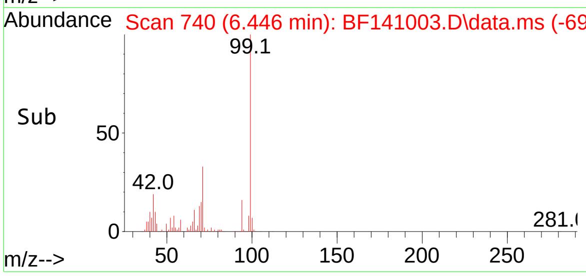


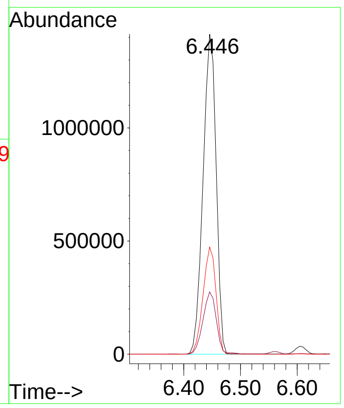


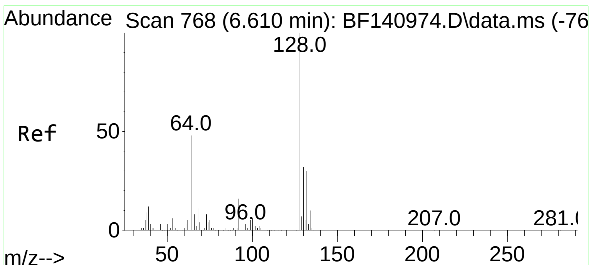


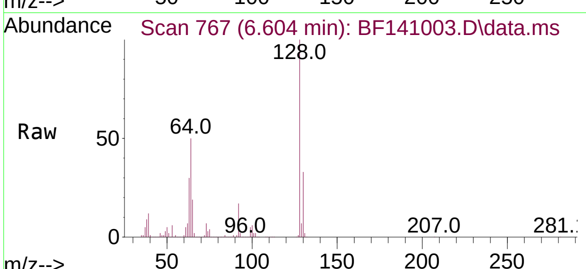
#7
Phenol-d6
Concen: 104.638 ng
RT: 6.446 min Scan# 74
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

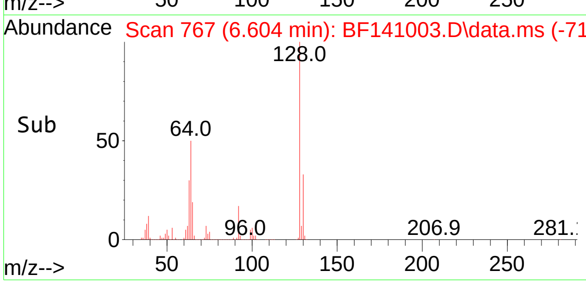
Tgt Ion: 99 Resp: 226617

Ion	Ratio	Lower	Upper
99	100		
42	19.4	15.0	22.4
71	33.4	26.2	39.2





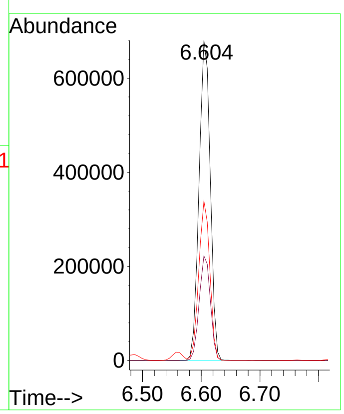


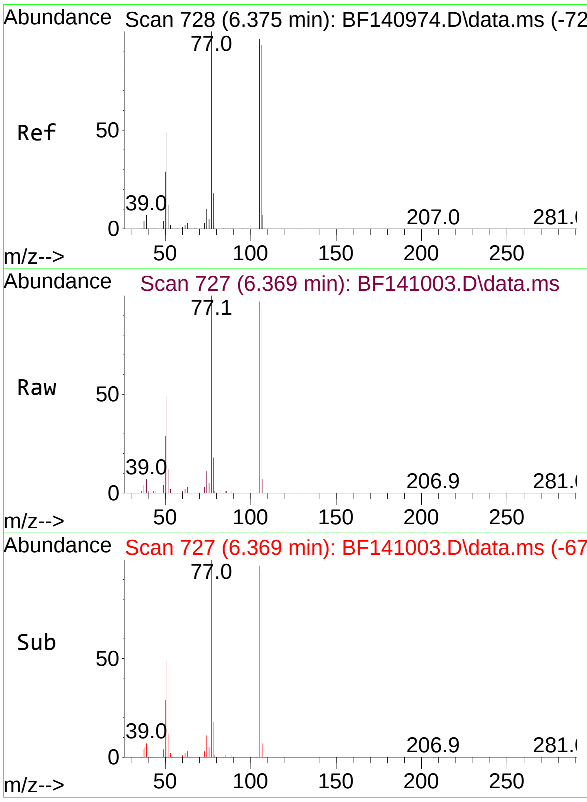


#8
2-Chlorophenol
Concen: 50.976 ng
RT: 6.604 min Scan# 767
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion:128 Resp: 903555

Ion	Ratio	Lower	Upper
128	100		
130	32.7	12.2	52.2
64	49.8	30.3	70.3





#9
Benzaldehyde
Concen: 13.360 ng
RT: 6.369 min Scan# 7
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion: 77 Resp: 19980

Ion	Ratio	Lower	Upper
77	100		
105	97.3	76.2	116.2
106	93.4	73.4	113.4

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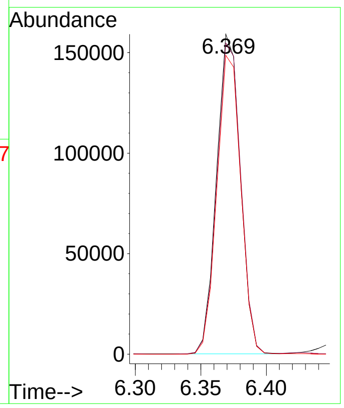
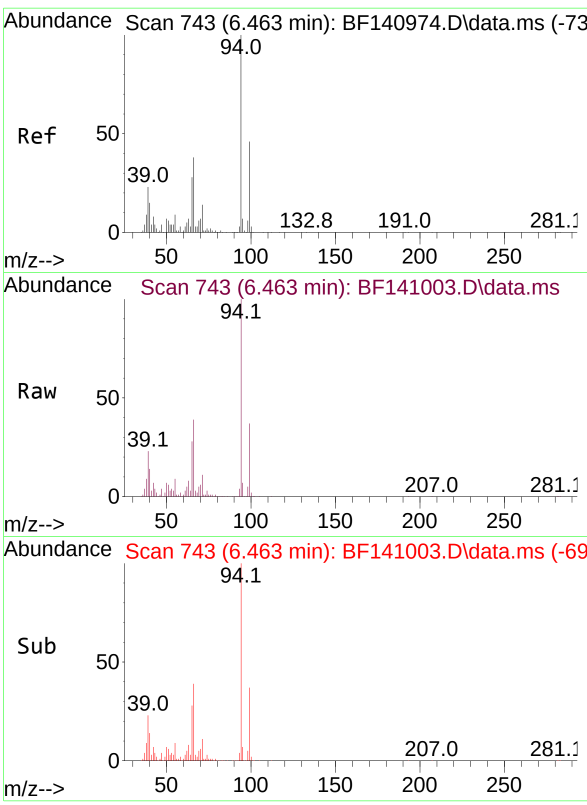
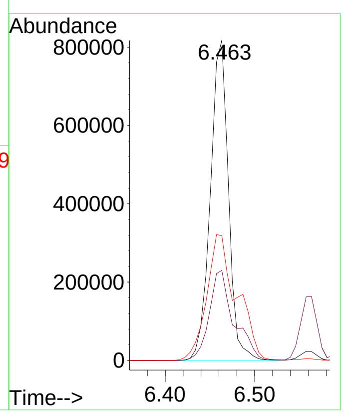


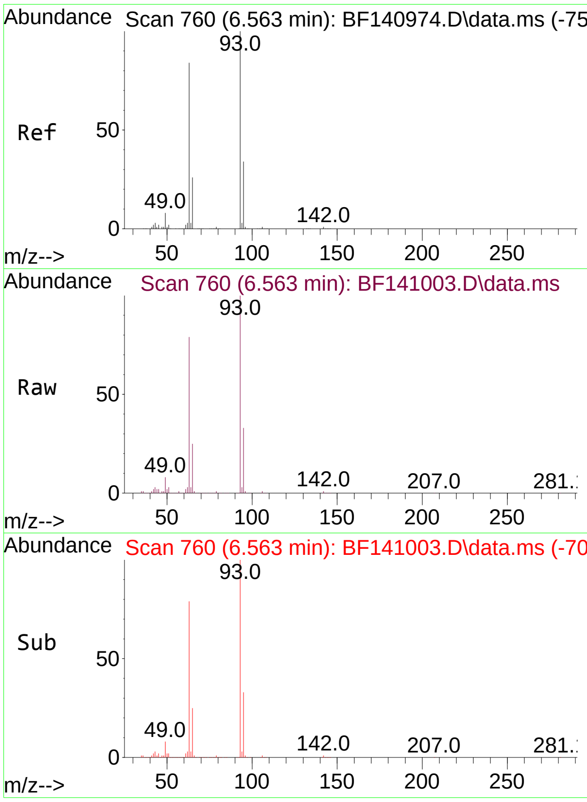


#10
Phenol
Concen: 51.322 ng
RT: 6.463 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion: 94 Resp: 1149319

Ion	Ratio	Lower	Upper
94	100		
65	28.2	8.1	48.1
66	39.0	18.7	58.7





#11
bis(2-Chloroethyl)ether
Concen: 46.301 ng
RT: 6.563 min Scan# 7(
Delta R.T. 0.000 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion: 93 Resp: 83722

Ion	Ratio	Lower	Upper
93	100		
63	78.8	60.3	100.3
95	32.9	12.2	52.2

Instrument :
BNA_F
ClientSampleId :
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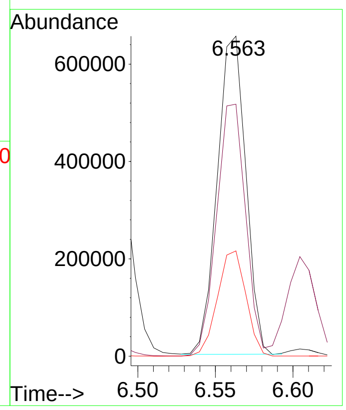
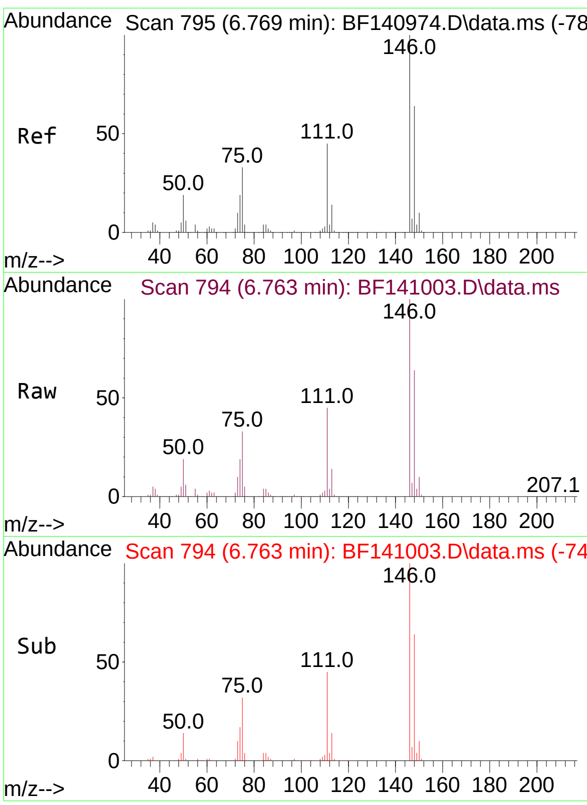
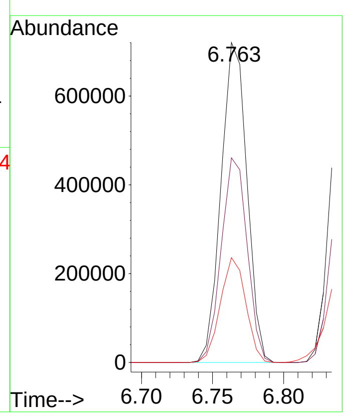


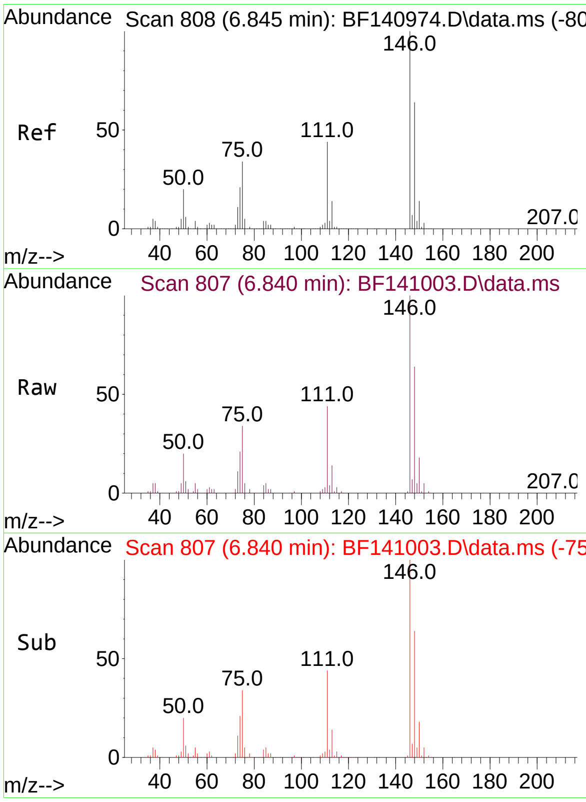


#12
1,3-Dichlorobenzene
Concen: 46.761 ng
RT: 6.763 min Scan# 794
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion:146 Resp: 914719

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.0	76.4
75	32.7	26.1	39.1





#13
1,4-Dichlorobenzene
Concen: 46.755 ng
RT: 6.840 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:146 Resp: 92199

Ion	Ratio	Lower	Upper
146	100		
148	64.0	51.3	76.9
111	44.1	35.3	52.9

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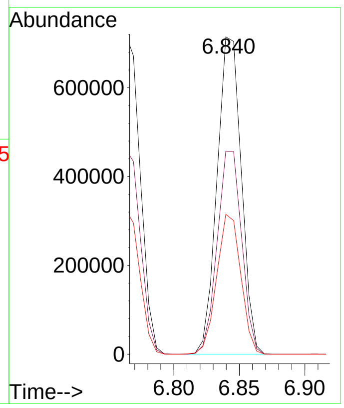
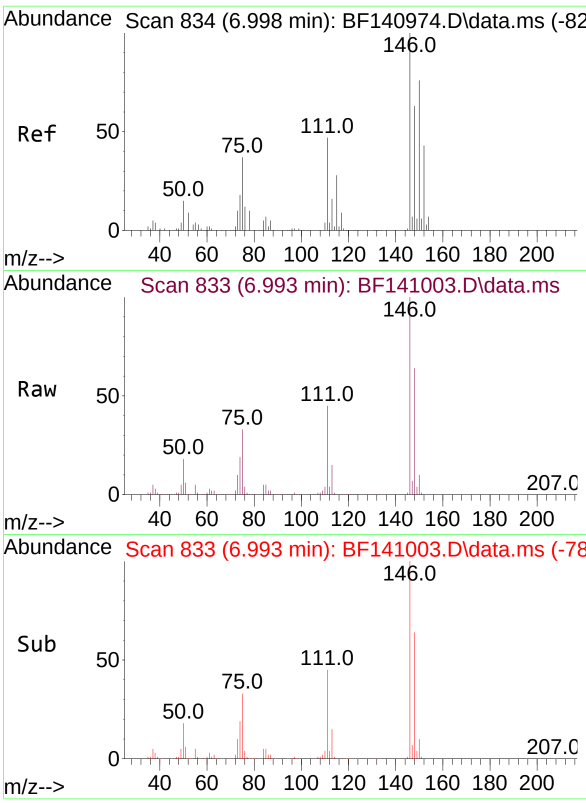
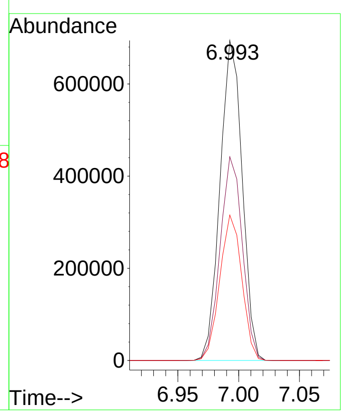


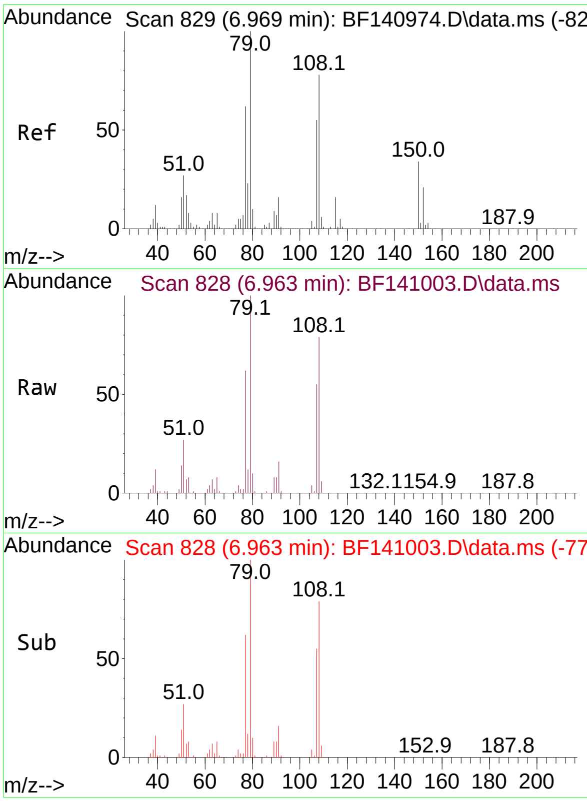


#14
1,2-Dichlorobenzene
Concen: 47.984 ng
RT: 6.993 min Scan# 833
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion:146 Resp: 882236

Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.6	76.0
111	45.5	37.3	55.9





#15
Benzyl Alcohol
Concen: 50.991 ng
RT: 6.963 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion: 79 Resp: 79357

Ion	Ratio	Lower	Upper
79	100		
108	79.2	62.5	93.7
77	62.0	49.3	73.9

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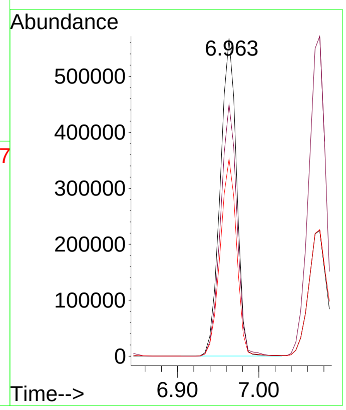
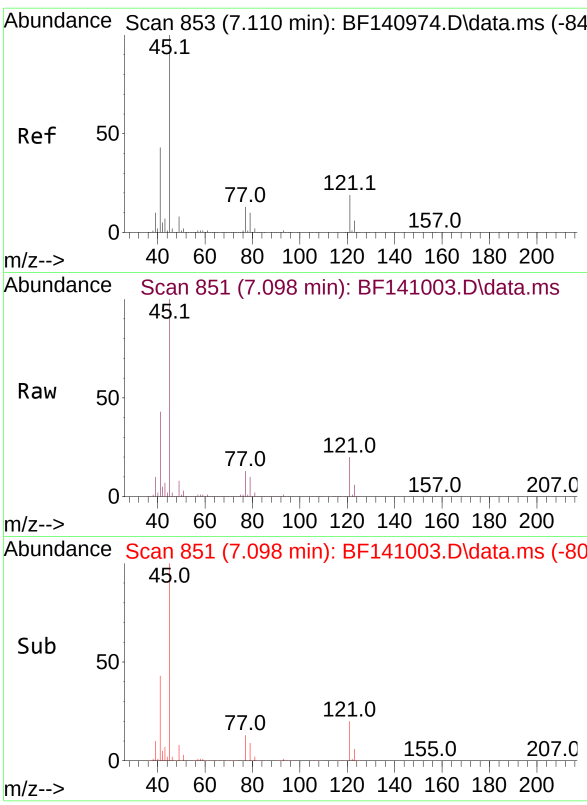
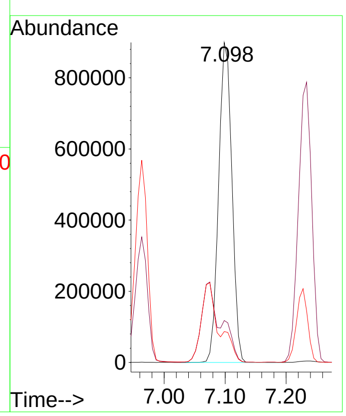




#16
2,2'-oxybis(1-Chloropropane)
Concen: 49.621 ng
RT: 7.098 min Scan# 851
Delta R.T. -0.012 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion: 45 Resp: 1356908

Ion	Ratio	Lower	Upper
45	100		
77	13.1	0.0	33.1
79	9.7	0.0	30.1



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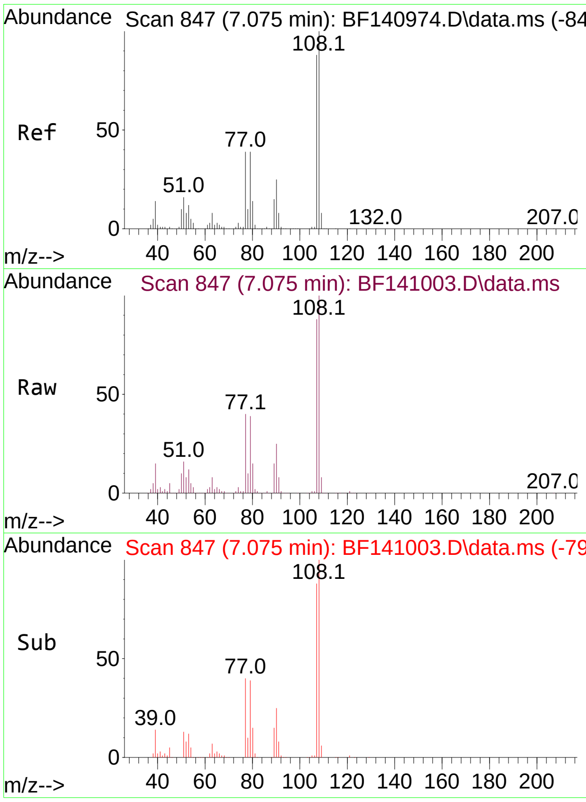
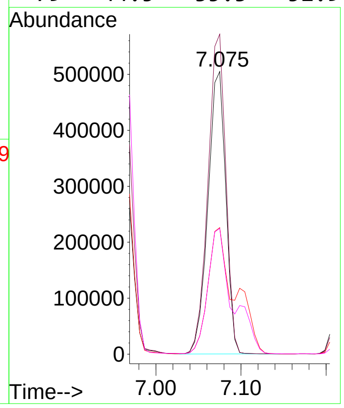
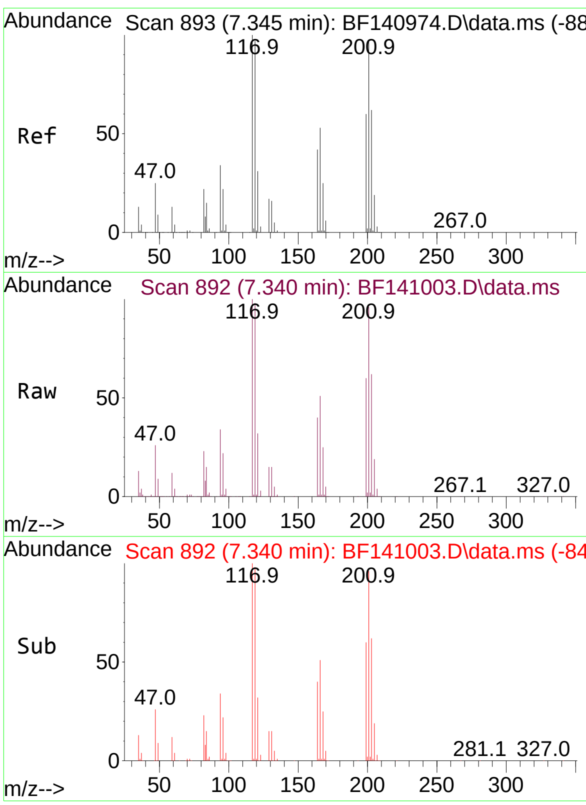


#17
2-Methylphenol
Concen: 49.929 ng
RT: 7.075 min Scan# 84
Delta R.T. 0.000 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion:107 Resp: 735228

Ion	Ratio	Lower	Upper
107	100		
108	113.2	90.6	136.0
77	44.8	35.3	52.9
79	44.5	35.3	52.9

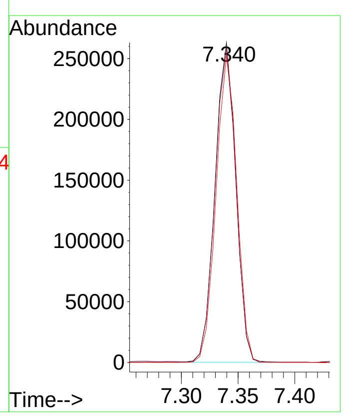




#18
Hexachloroethane
Concen: 47.847 ng
RT: 7.340 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion:117 Resp: 335171

Ion	Ratio	Lower	Upper
117	100		
119	98.0	77.5	116.3
201	95.8	77.4	116.2



Sample Results: **BF141003.D**

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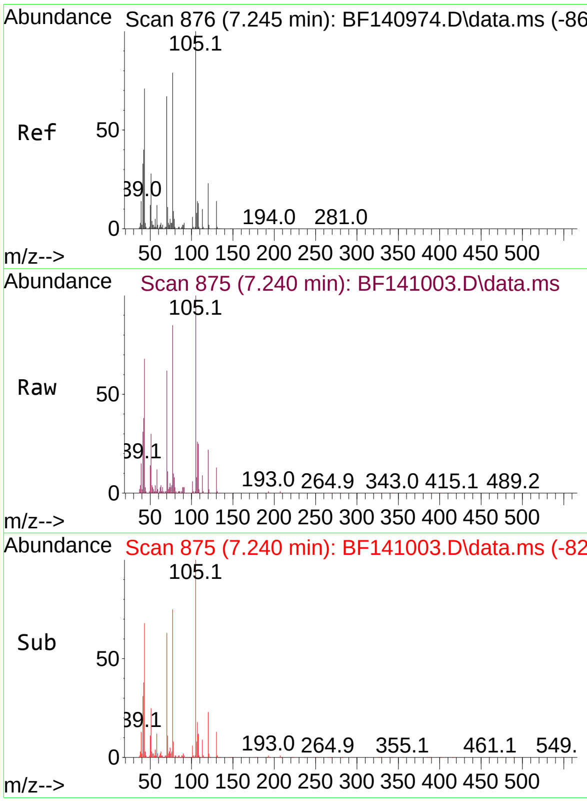
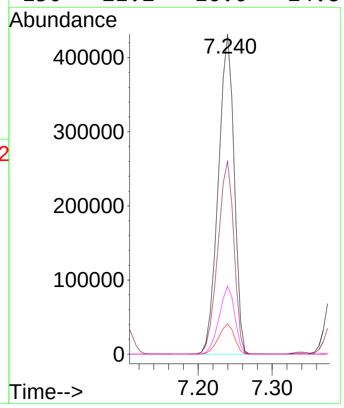
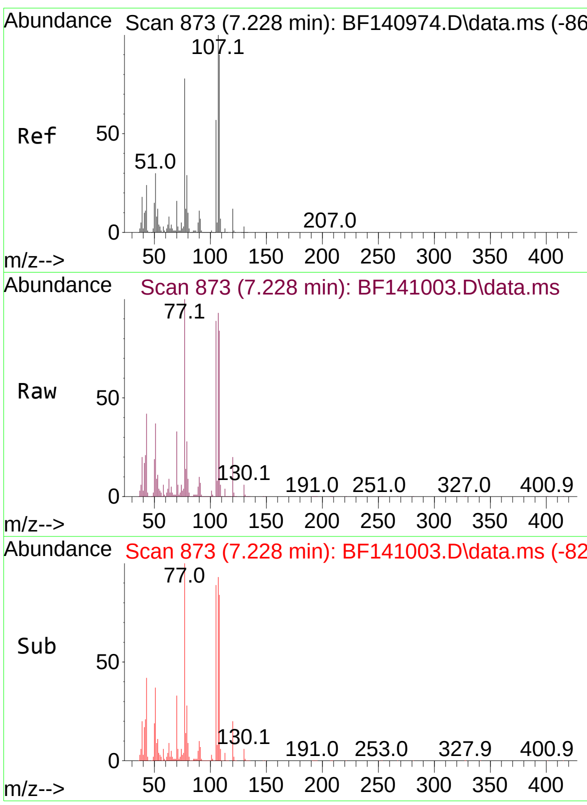


#19
n-Nitroso-di-n-propylamine
Concen: 48.464 ng
RT: 7.240 min Scan# 8
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion: 70 Resp: 64302

Ion	Ratio	Lower	Upper
70	100		
42	60.3	48.1	72.1
101	9.5	7.6	11.4
130	21.2	16.6	24.8

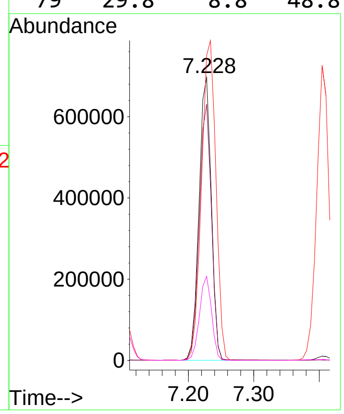




#20
3+4-Methylphenols
Concen: 49.081 ng
RT: 7.228 min Scan# 873
Delta R.T. 0.000 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion:107 Resp: 914603

Ion	Ratio	Lower	Upper
107	100		
108	90.6	69.6	109.6
77	107.8	57.6	97.6#
79	29.8	8.8	48.8



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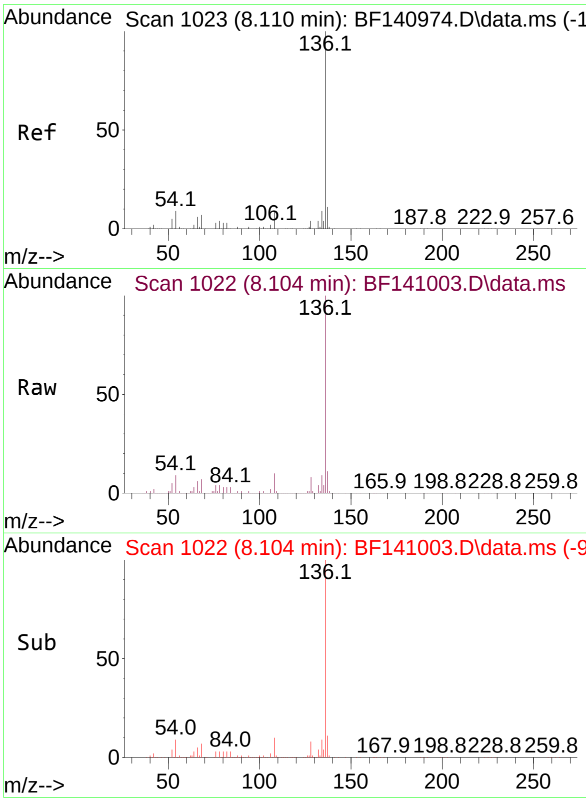
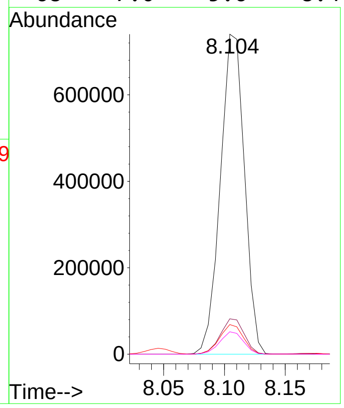
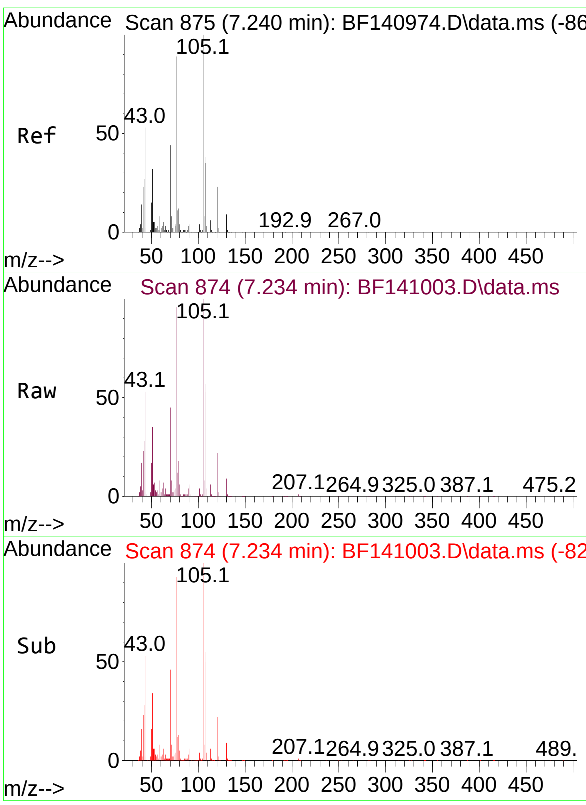



```
#21
Naphthalene-d8
Concen:   20.000 ng
RT:   8.104 min   Scan# 1
Delta R.T.   -0.006 min
Lab File:    BF141003.D
Acq: 27 Dec 2024   18:13

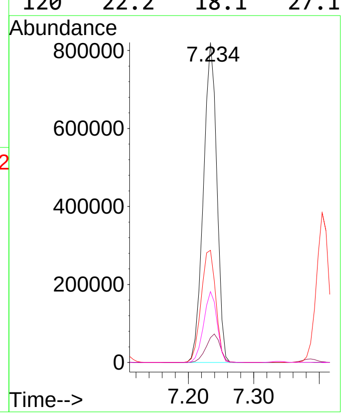
Tgt Ion:136 Resp: 102338
Ion  Ratio   Lower  Upper
136  100
137   11.1    9.0   13.4
 54    9.2    7.6   11.4
 68    7.0    5.6    8.4
```






```
#22
Acetophenone
Concen:   46.982 ng
RT:   7.234 min   Scan# 874
Delta R.T.   -0.006 min
Lab File:    BF141003.D
Acq: 27 Dec 2024   18:13

Tgt Ion:105 Resp: 1179481
Ion  Ratio   Lower  Upper
105  100
 71    7.7    6.1    9.1
 51   35.1   25.8   38.6
120   22.2   18.1   27.1
```



Instrument :
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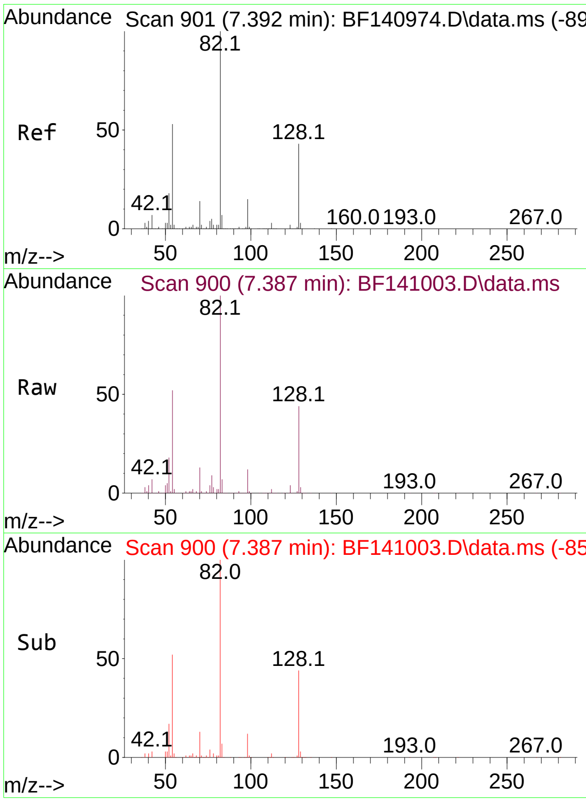
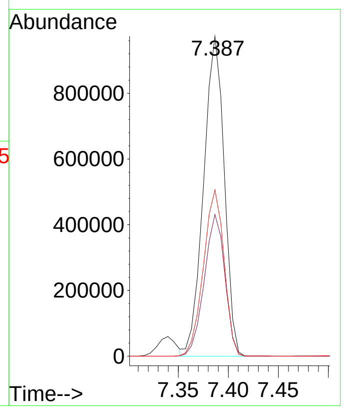
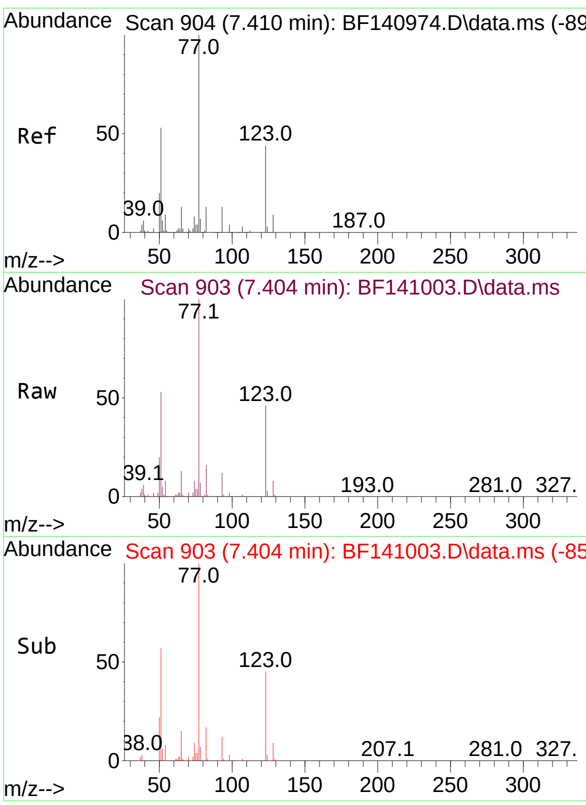


#23
Nitrobenzene-d5
Concen: 87.520 ng
RT: 7.387 min Scan# 9(
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion: 82 Resp: 139995

Ion	Ratio	Lower	Upper
82	100		
128	44.3	34.4	51.6
54	52.0	42.4	63.6

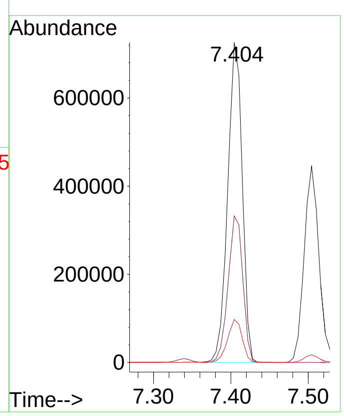




#24
Nitrobenzene
Concen: 53.241 ng
RT: 7.404 min Scan# 903
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion: 77 Resp: 951609

Ion	Ratio	Lower	Upper
77	100		
123	45.8	35.4	53.2
65	13.5	10.7	16.1



Instrument :
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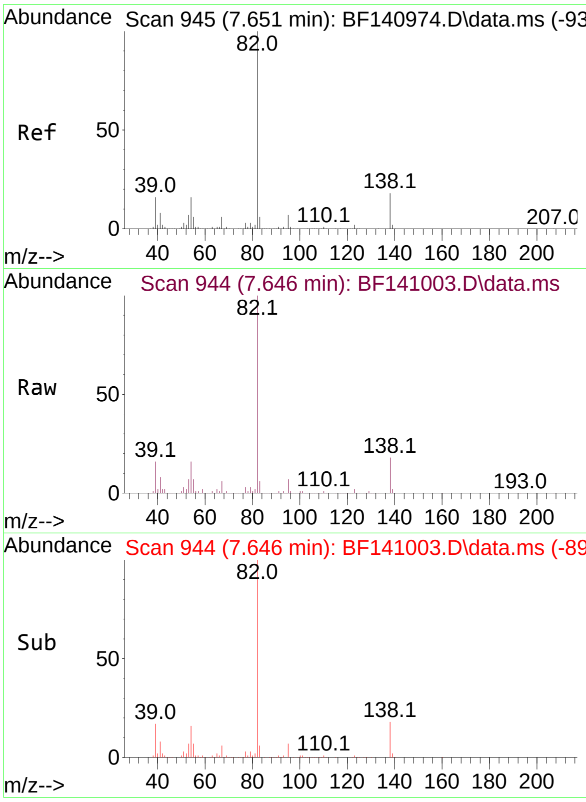
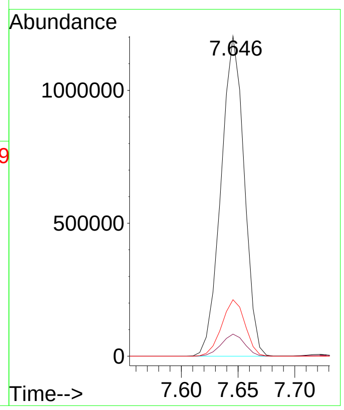
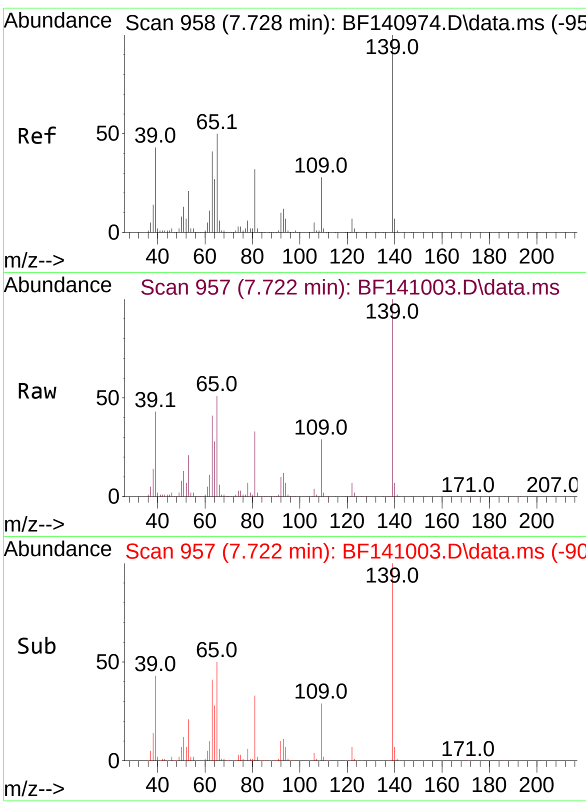


#25
Isophorone
Concen: 49.174 ng
RT: 7.646 min Scan# 94
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion: 82 Resp: 171164

Ion	Ratio	Lower	Upper
82	100		
95	6.9	5.6	8.4
138	17.7	14.6	21.8

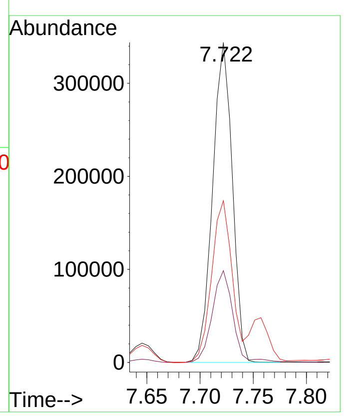


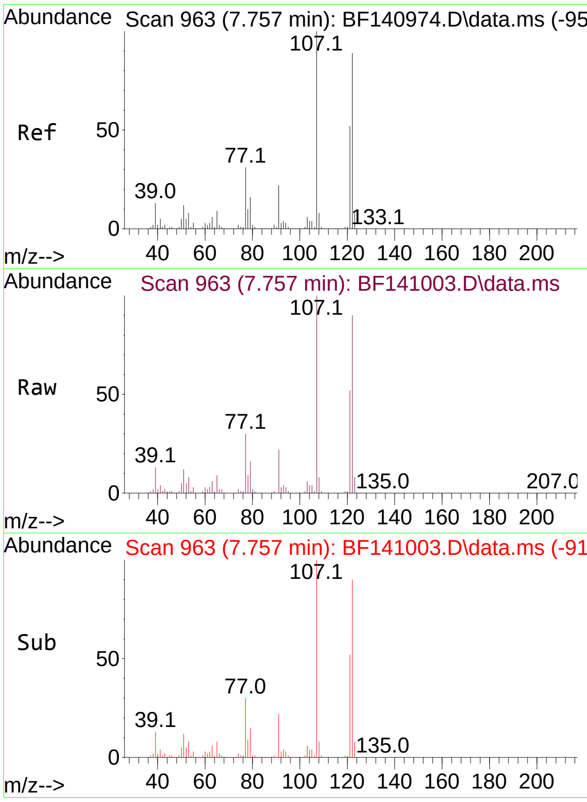


#26
2-Nitrophenol
Concen: 59.384 ng
RT: 7.722 min Scan# 957
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion:139 Resp: 445336

Ion	Ratio	Lower	Upper
139	100		
109	28.7	22.2	33.4
65	50.5	40.2	60.4

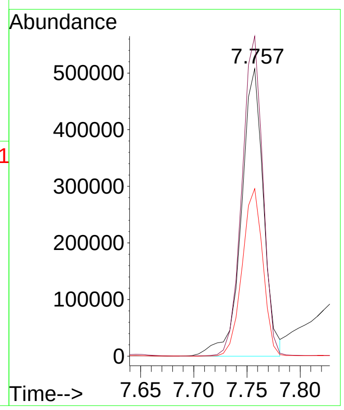




#27
2,4-Dimethylphenol
Concen: 57.790 ng
RT: 7.757 min Scan# 96
Delta R.T. 0.000 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion:122 Resp: 73515

Ion	Ratio	Lower	Upper
122	100		
107	111.3	89.4	134.2
121	58.2	46.7	70.1



Instrument :
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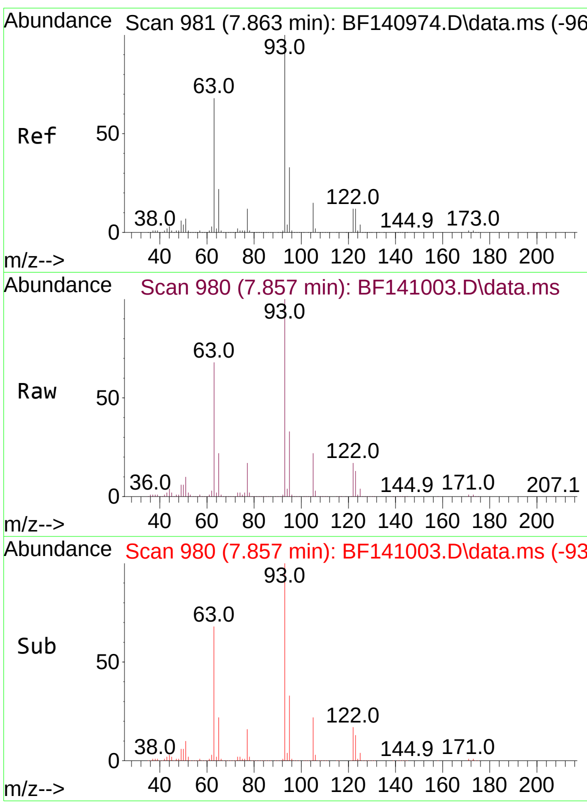
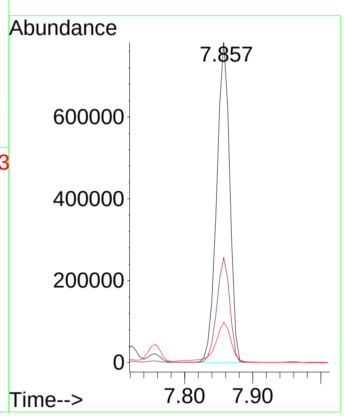


#28
bis(2-Chloroethoxy)methane
Concen: 47.379 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion: 93 Resp: 1044883

Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.2	39.4
123	12.5	9.9	14.9



Instrument :
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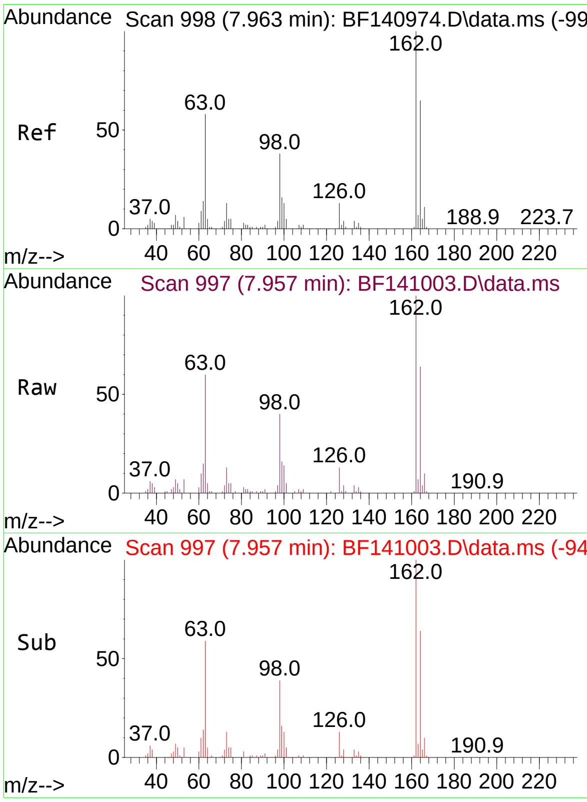
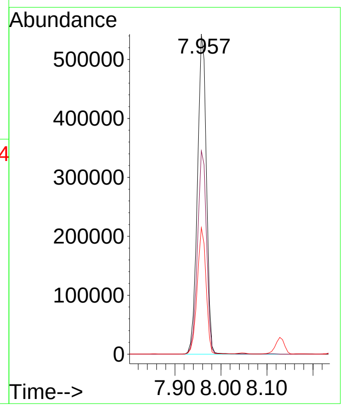
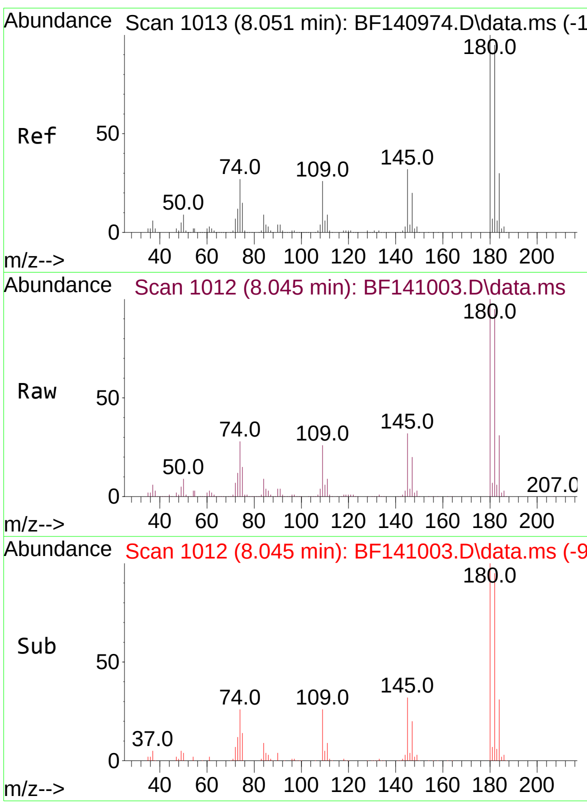



```
#29
2,4-Dichlorophenol
Concen:    51.040 ng
RT:    7.957 min   Scan# 99
Delta R.T.   -0.006 min
Lab File:    BF141003.D
Acq: 27 Dec 2024   18:13

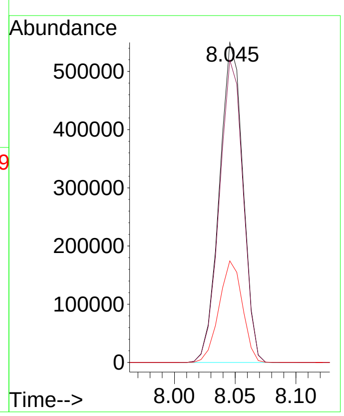
Tgt Ion:162 Resp:   73639
Ion   Ratio   Lower   Upper
162   100
164    63.6    44.8    84.8
 98    39.5    18.6    58.6
```






```
#30
1,2,4-Trichlorobenzene
Concen:    45.545 ng
RT:    8.045 min   Scan# 1012
Delta R.T.   -0.006 min
Lab File:    BF141003.D
Acq: 27 Dec 2024   18:13

Tgt Ion:180 Resp:   743744
Ion   Ratio   Lower   Upper
180   100
182    94.5    76.2   114.4
145    31.8    25.4    38.2
```



Instrument :
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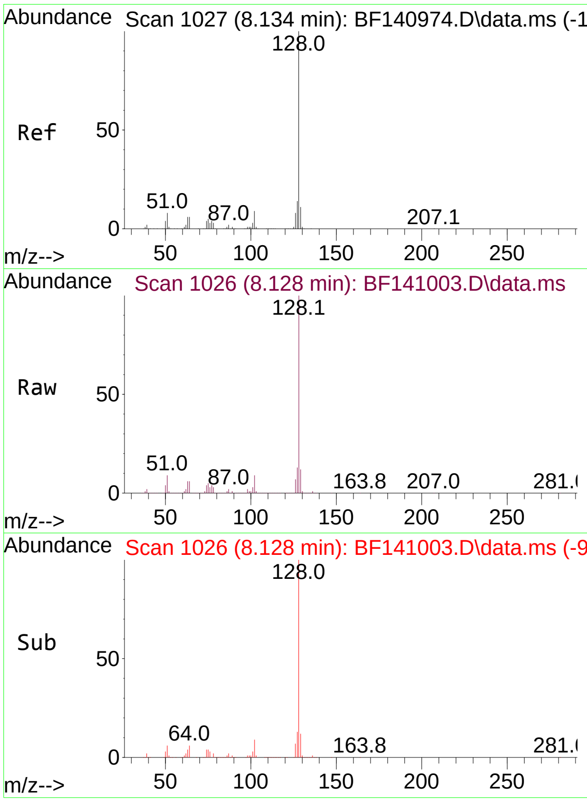
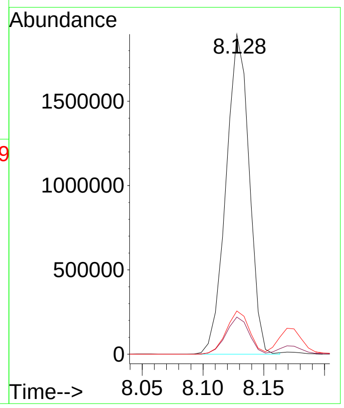
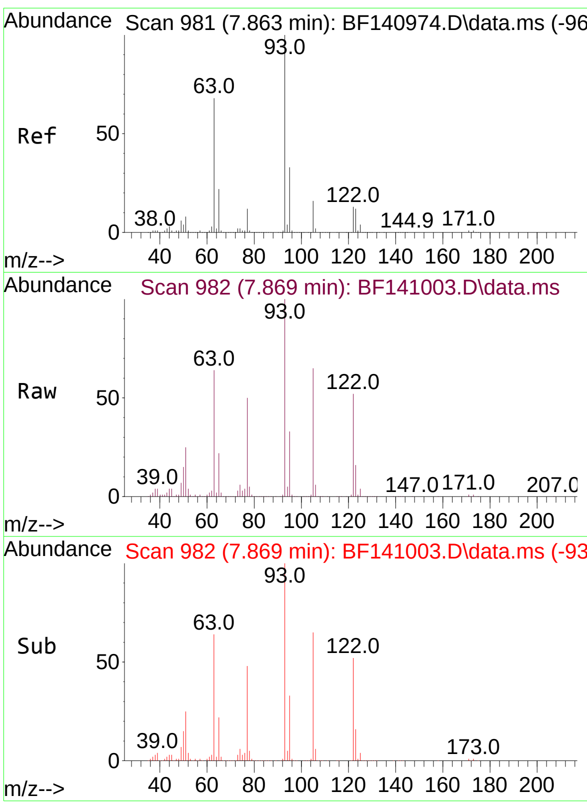


#31
Naphthalene
Concen: 46.782 ng
RT: 8.128 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion:128 Resp: 252280

Ion	Ratio	Lower	Upper
128	100		
129	11.6	9.2	13.8
127	13.5	11.0	16.4

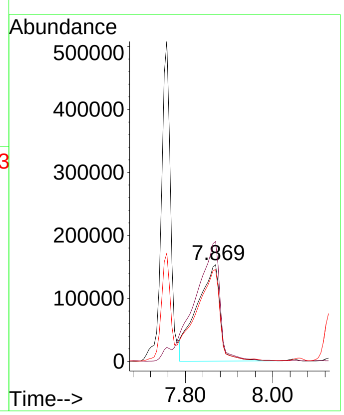




#32
Benzoic acid
Concen: 53.645 ng
RT: 7.869 min Scan# 982
Delta R.T. 0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion:122 Resp: 572879

Ion	Ratio	Lower	Upper
122	100		
105	124.2	105.4	145.4
77	94.9	76.4	116.4



Instrument :
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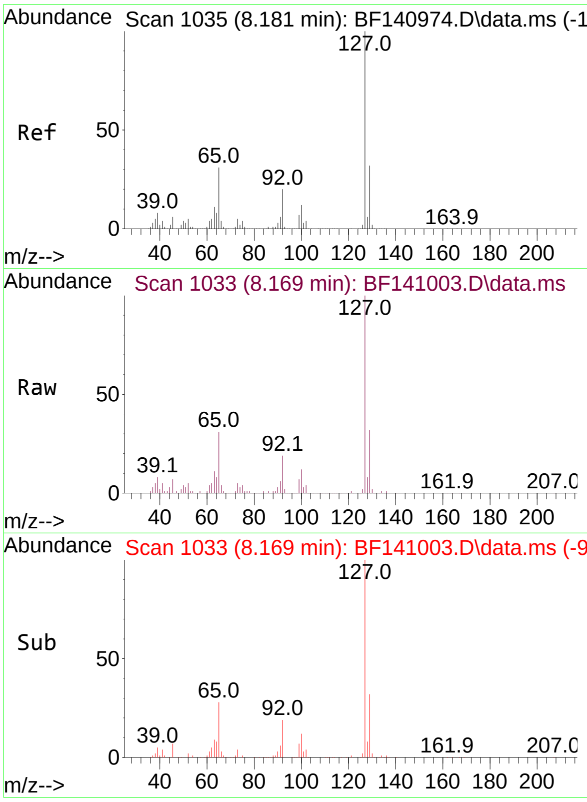
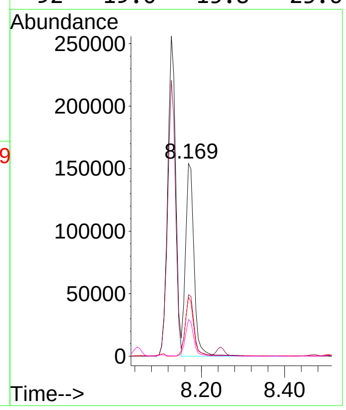
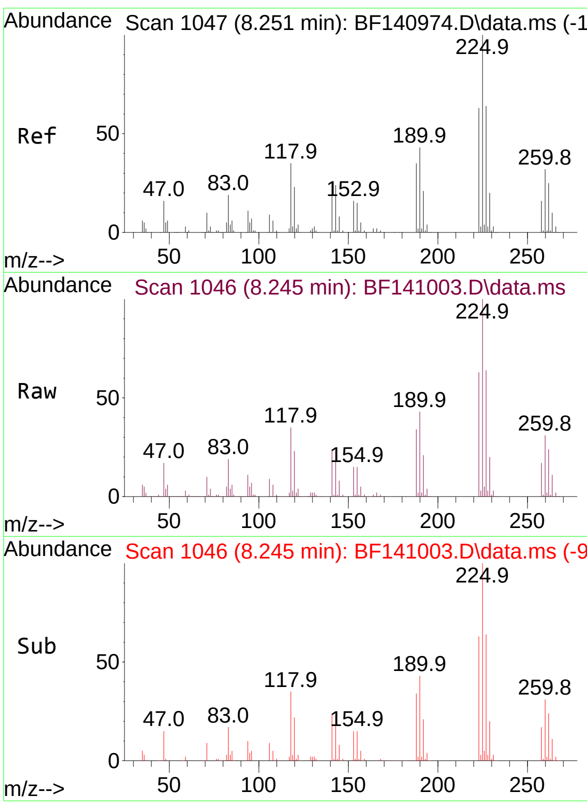


#33
4-Chloroaniline
Concen: 11.267 ng
RT: 8.169 min Scan# 1(
Delta R.T. -0.012 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion:127 Resp: 21980

Ion	Ratio	Lower	Upper
127	100		
129	31.9	26.1	39.1
65	30.6	24.6	37.0
92	19.0	15.8	23.6

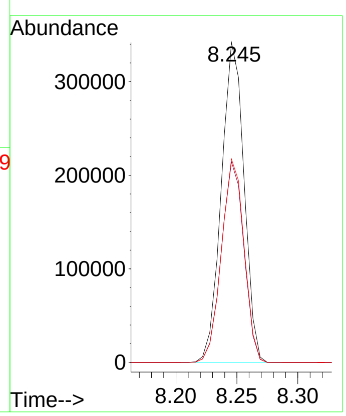




#34
Hexachlorobutadiene
Concen: 45.981 ng
RT: 8.245 min Scan# 1046
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion:225 Resp: 442655

Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.3	75.5
227	63.6	50.8	76.2



Instrument :
BNA_F
ClientSampleId :
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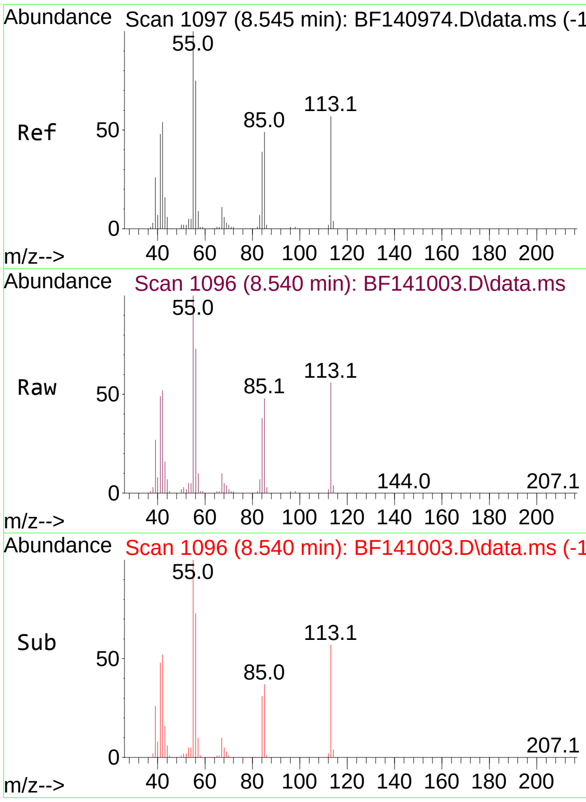
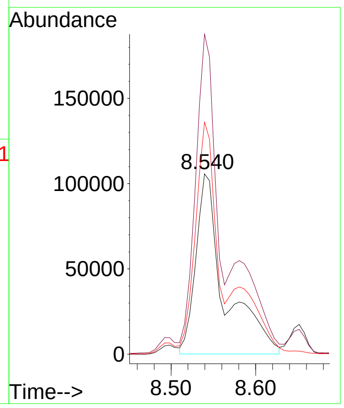
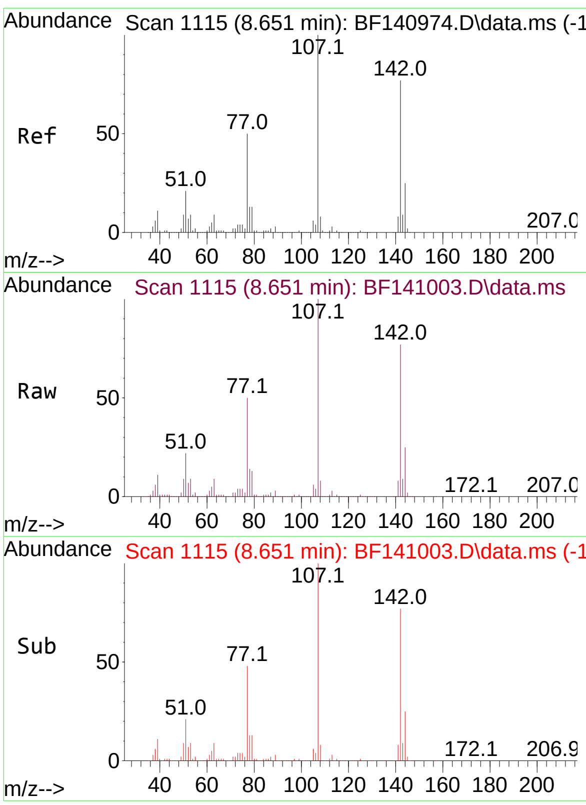


#35
Caprolactam
Concen: 50.983 ng m
RT: 8.540 min Scan# 1(
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion:113 Resp: 25006

Ion	Ratio	Lower	Upper
113	100		
55	177.5	156.6	196.6
56	128.7	111.7	151.7

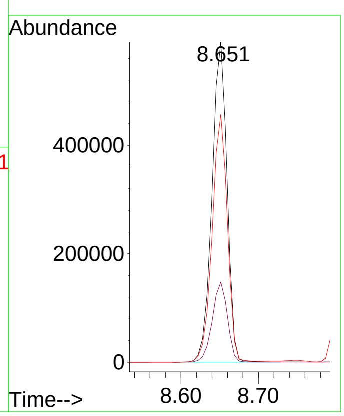




#36
4-Chloro-3-methylphenol
Concen: 49.705 ng
RT: 8.651 min Scan# 1115
Delta R.T. 0.000 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion:107 Resp: 796410

Ion	Ratio	Lower	Upper
107	100		
144	25.1	19.9	29.9
142	77.4	61.8	92.8



Instrument :
BNA_F
ClientSampleId :
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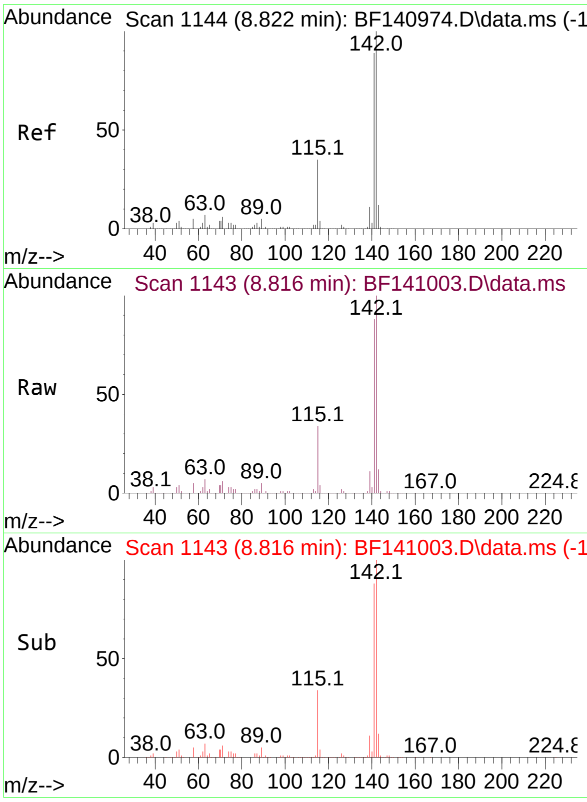
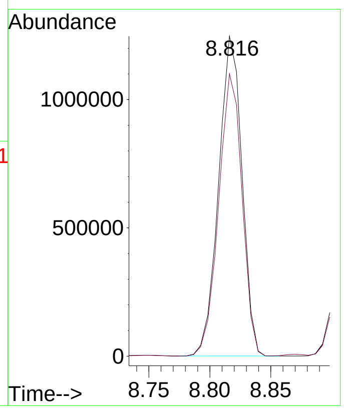
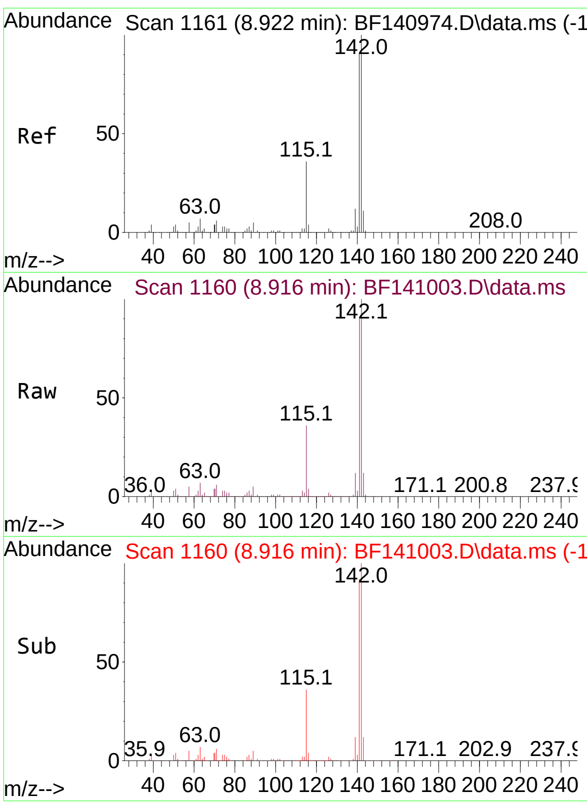


#37
2-Methylnaphthalene
Concen: 48.211 ng
RT: 8.816 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion:142 Resp: 166320

Ion	Ratio	Lower	Upper
142	100		
141	88.3	71.1	106.7

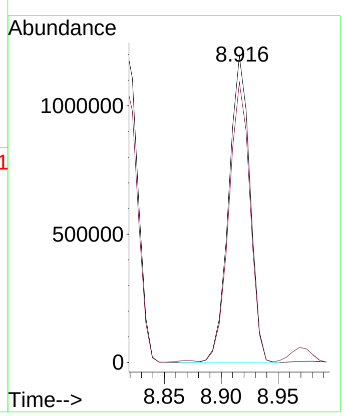




#38
1-Methylnaphthalene
Concen: 45.773 ng
RT: 8.916 min Scan# 1160
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion:142 Resp: 1551904

Ion	Ratio	Lower	Upper
142	100		
141	91.4	72.7	109.1



Instrument :
BNA_F
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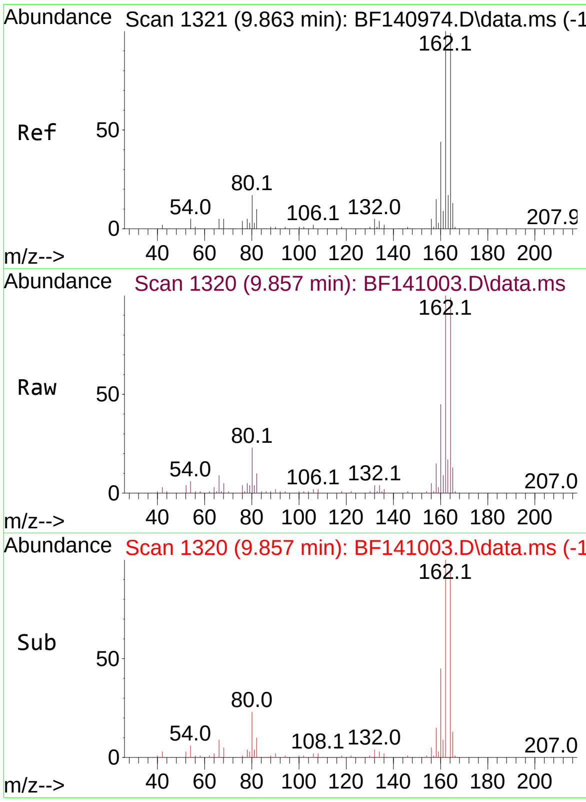
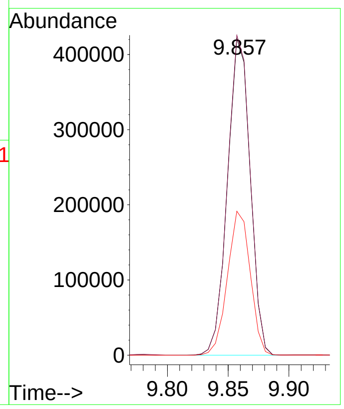
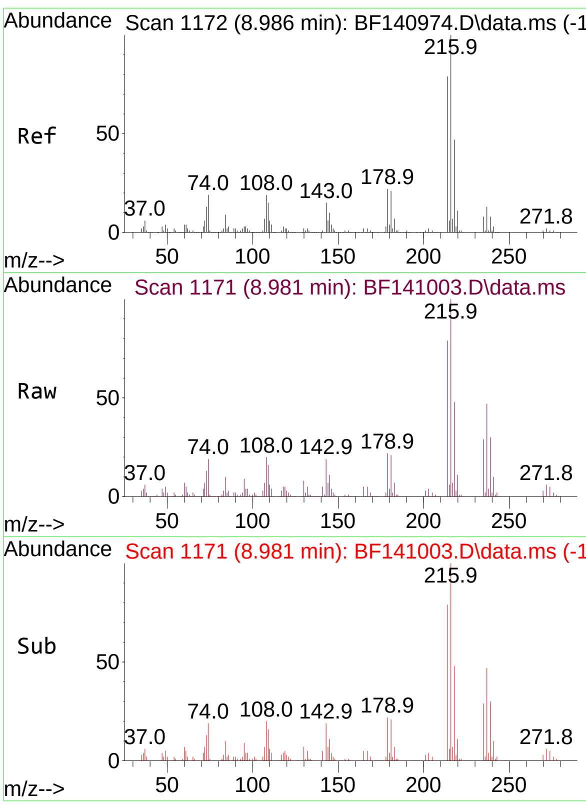



```
#39
Acenaphthene-d10
Concen:   20.000 ng
RT:   9.857 min  Scan# 1
Delta R.T.  -0.006 min
Lab File:   BF141003.D
Acq: 27 Dec 2024  18:13

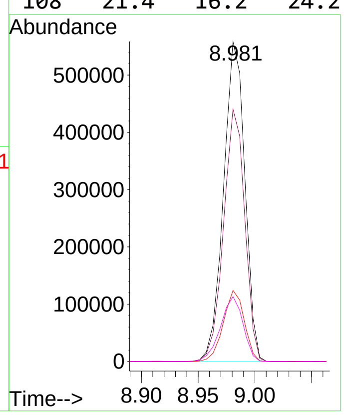
Tgt Ion:164 Resp:  54952
Ion  Ratio  Lower  Upper
164  100
162  101.0   80.6  120.8
160   45.5   35.7   53.5
```

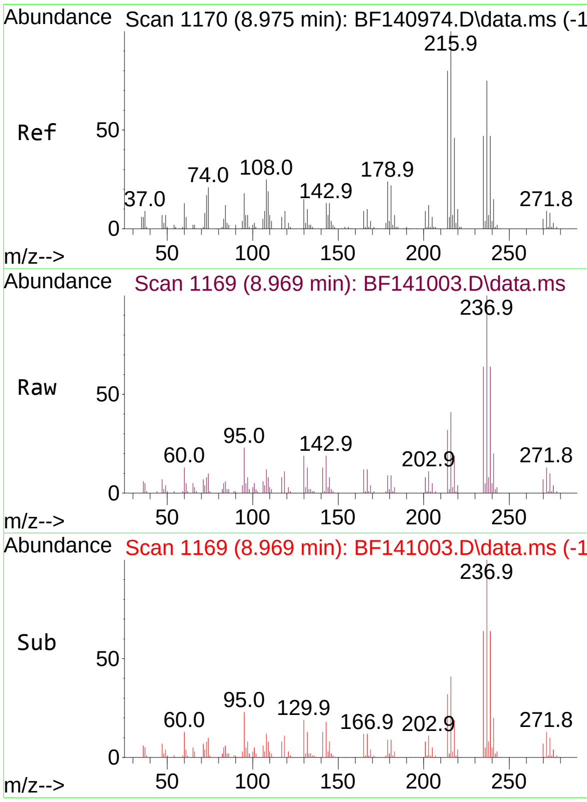





```
#40
1,2,4,5-Tetrachlorobenzene
Concen:   48.381 ng
RT:   8.981 min  Scan# 1171
Delta R.T.  -0.006 min
Lab File:   BF141003.D
Acq: 27 Dec 2024  18:13

Tgt Ion:216 Resp:  731418
Ion  Ratio  Lower  Upper
216  100
214   78.4   63.0   94.6
179   21.8   17.9   26.9
108   21.4   16.2   24.2
```





#41
Hexachlorocyclopentadiene
Concen: 122.888 ng
RT: 8.969 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion:237 Resp: 61566

Ion	Ratio	Lower	Upper
237	100		
235	63.9	43.4	83.4
272	12.8	0.0	32.6

Instrument :
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ClientSampleId :
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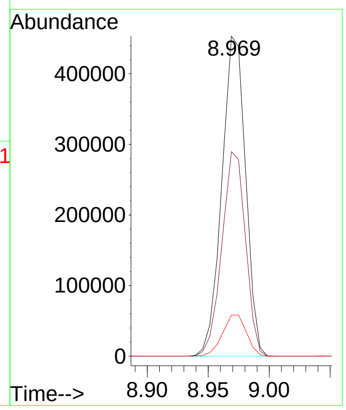
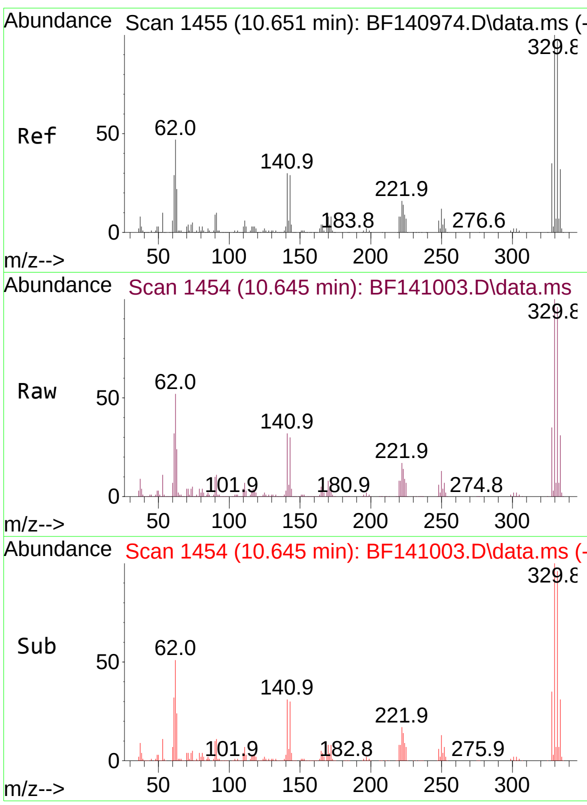
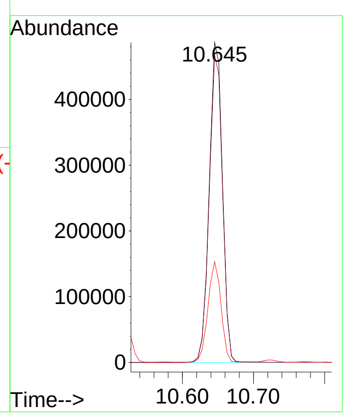




#42
2,4,6-Tribromophenol
Concen: 118.620 ng
RT: 10.645 min Scan# 1454
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion:330 Resp: 633400

Ion	Ratio	Lower	Upper
330	100		
332	96.0	78.0	117.0
141	30.8	26.4	39.6



Instrument :
BNA_F
ClientSampleId :
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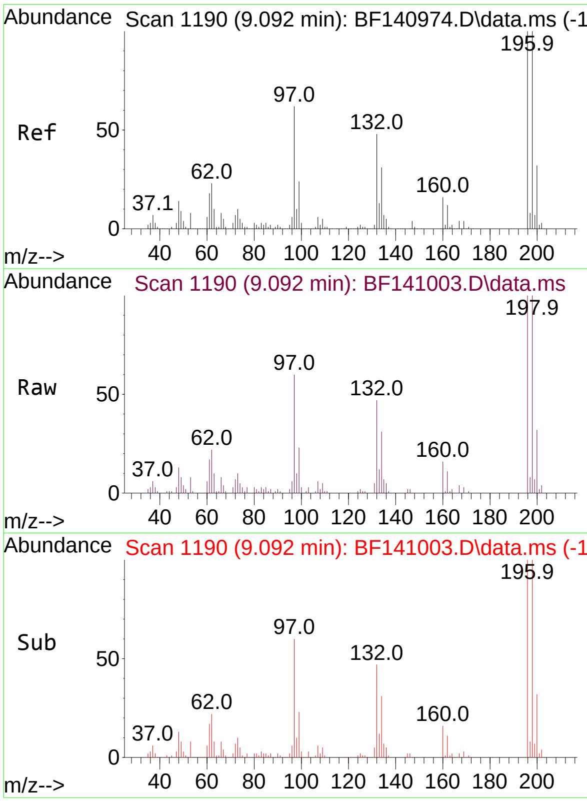
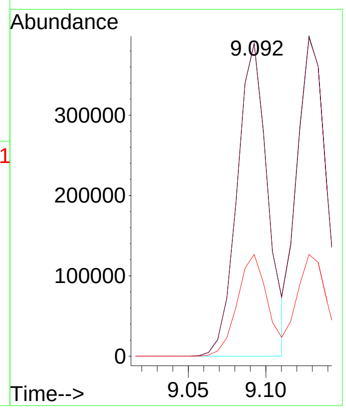
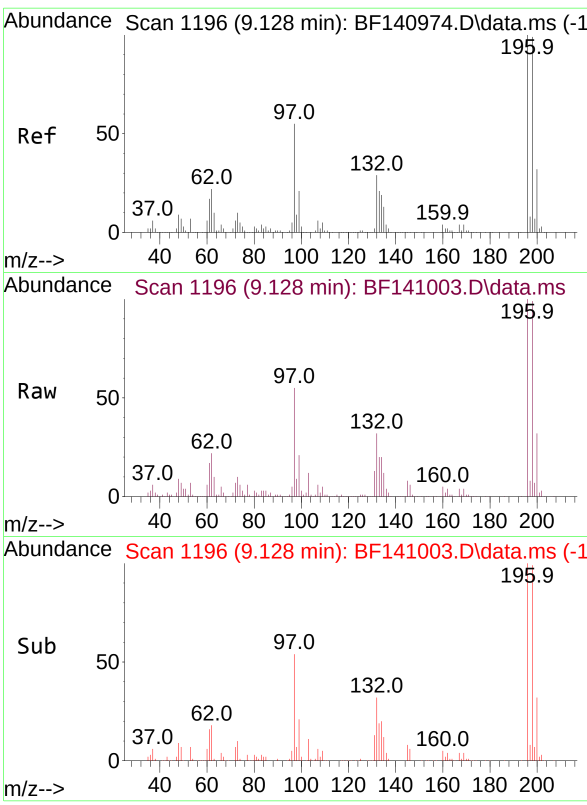



```
#43
2,4,6-Trichlorophenol
Concen:    52.664 ng
RT:    9.092 min   Scan# 1
Delta R.T.   0.000 min
Lab File:    BF141003.D
Acq: 27 Dec 2024   18:13

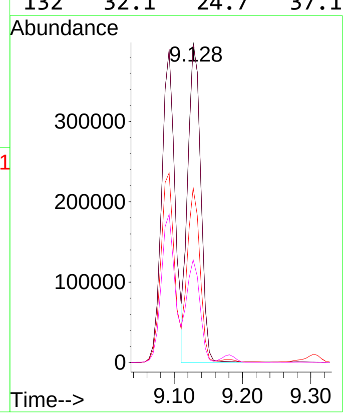
Tgt Ion:196 Resp:   52989
Ion   Ratio   Lower   Upper
196   100
198   100.4    80.2   120.4
200    32.6    25.8    38.6
```

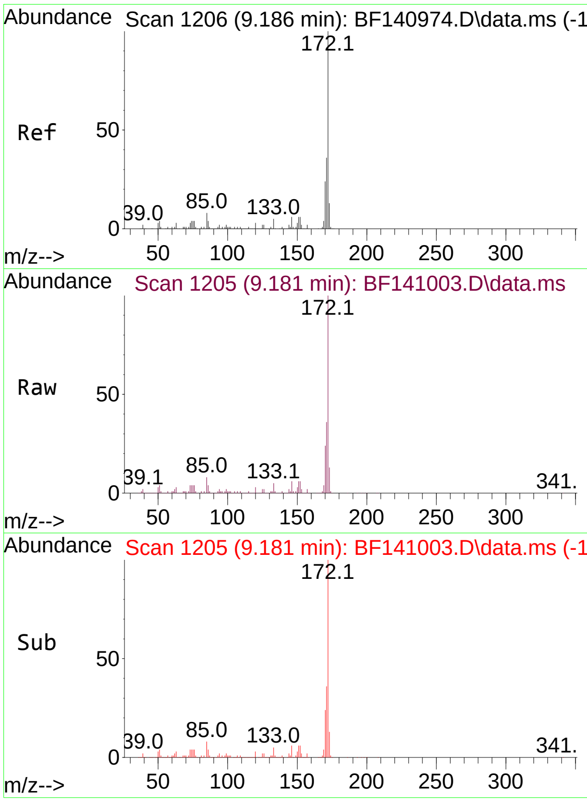





```
#44
2,4,5-Trichlorophenol
Concen:    50.730 ng
RT:    9.128 min   Scan# 1196
Delta R.T.   0.000 min
Lab File:    BF141003.D
Acq: 27 Dec 2024   18:13

Tgt Ion:196 Resp:   522273
Ion   Ratio   Lower   Upper
196   100
198    99.5    79.9   119.9
 97    54.6    44.3    66.5
132    32.1    24.7    37.1
```






```
#45
2-Fluorobiphenyl
Concen:   69.897 ng
RT:   9.181 min  Scan# 1
Delta R.T.  -0.006 min
Lab File:   BF141003.D
Acq: 27 Dec 2024  18:13

Tgt Ion:172 Resp: 241081
Ion  Ratio  Lower  Upper
172  100
171   35.7   29.0   43.4
170   23.7   19.6   29.4
```

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

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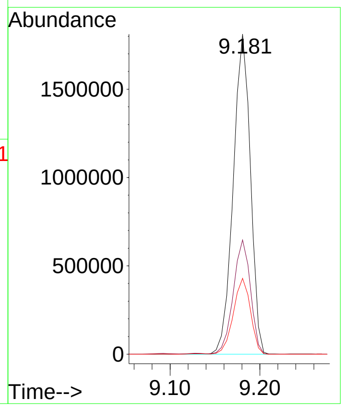
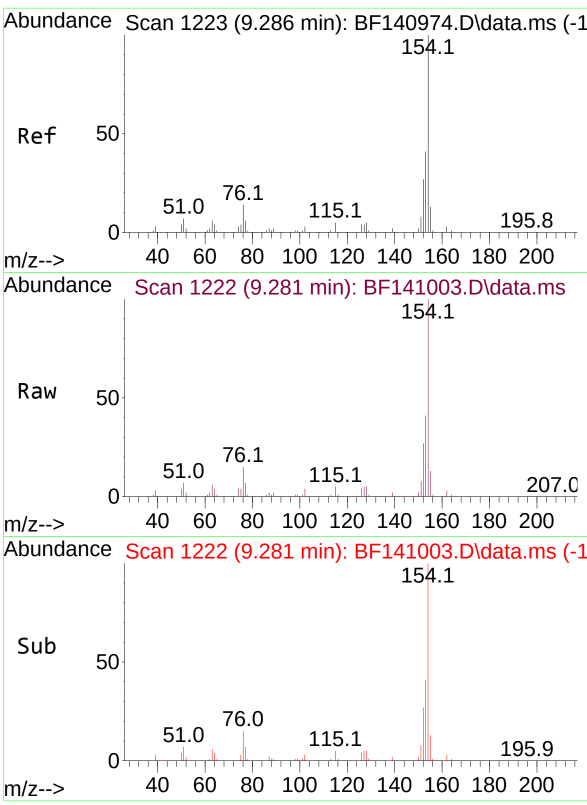
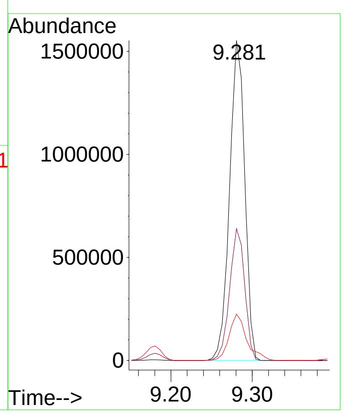
Supervised By :mohammad ahmed 12/30/2024






```
#46
1,1'-Biphenyl
Concen:   47.909 ng
RT:   9.281 min  Scan# 1222
Delta R.T.  -0.005 min
Lab File:   BF141003.D
Acq: 27 Dec 2024  18:13

Tgt Ion:154 Resp: 2015832
Ion  Ratio  Lower  Upper
154  100
153   41.2   20.9   60.9
 76   14.5    0.0   34.0
```



Instrument :
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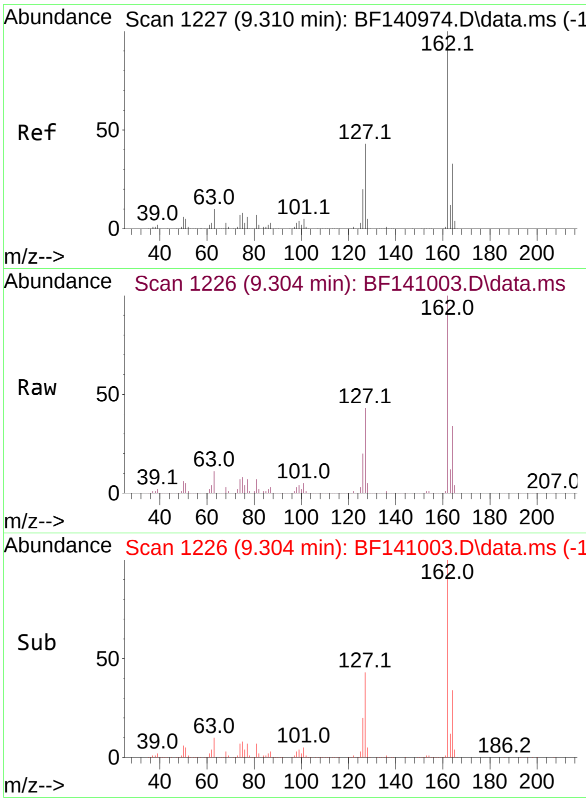
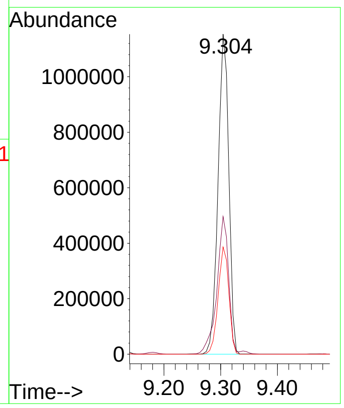
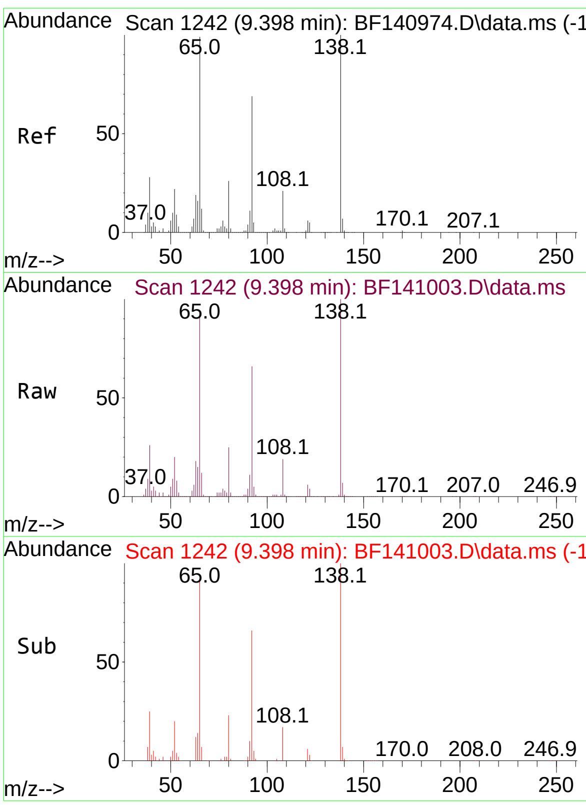


#47
2-Chloronaphthalene
Concen: 46.519 ng
RT: 9.304 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion:162 Resp: 151807

Ion	Ratio	Lower	Upper
162	100		
127	43.0	34.2	51.4
164	33.5	26.6	40.0

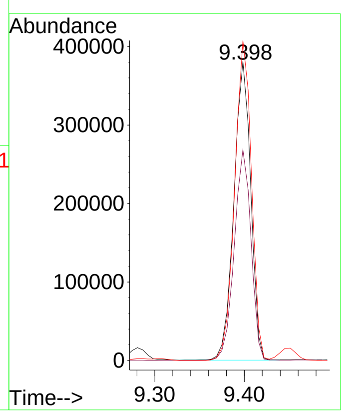


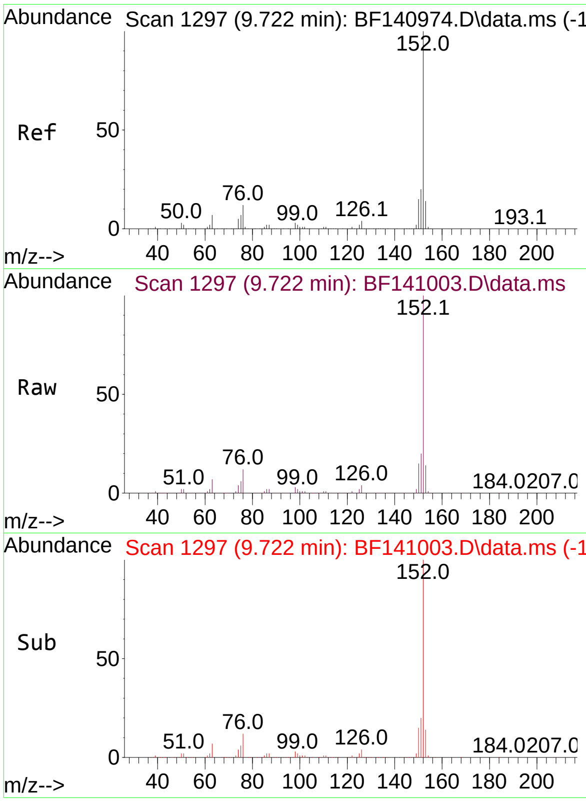


#48
2-Nitroaniline
Concen: 57.161 ng
RT: 9.398 min Scan# 1242
Delta R.T. 0.000 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion: 65 Resp: 496364

Ion	Ratio	Lower	Upper
65	100		
92	70.5	55.6	83.4
138	107.0	80.5	120.7





#49
Acenaphthylene
Concen: 50.831 ng
RT: 9.722 min   Scan# 1
Delta R.T.   -0.000 min
Lab File: BF141003.D
Acq: 27 Dec 2024   18:13

Tgt Ion:152 Resp: 238791

Ion	Ratio	Lower	Upper
152	100		
151	20.5	16.2	24.4
153	14.2	11.4	17.0

Instrument :
BNA_F
ClientSampleId :
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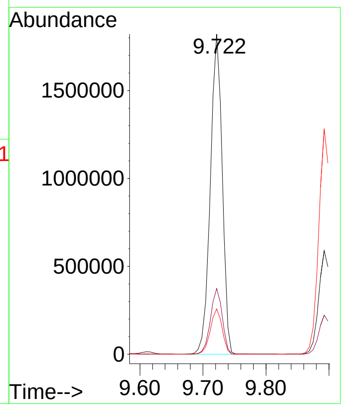
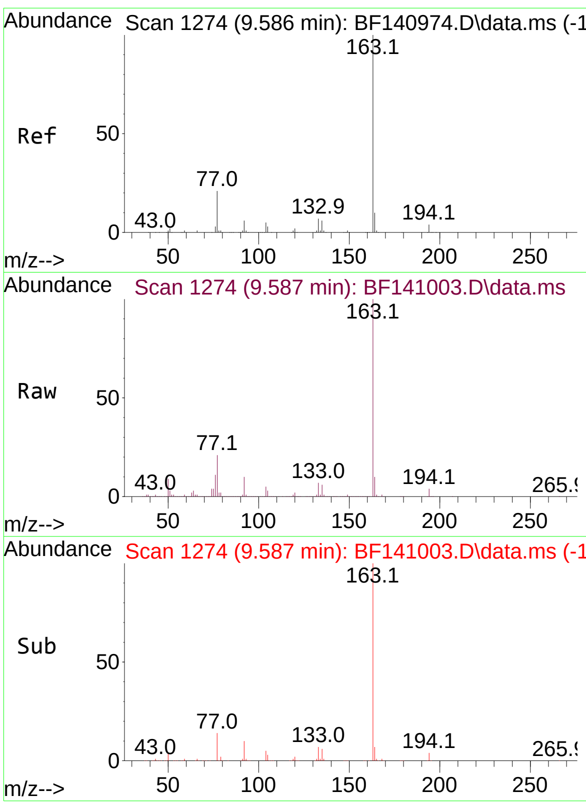
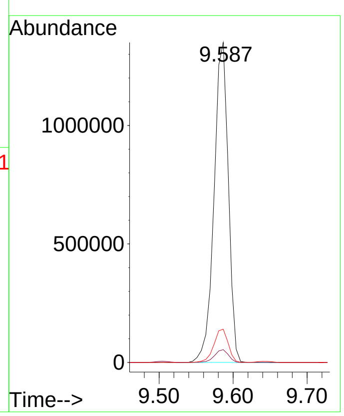




#50
Dimethylphthalate
Concen: 50.142 ng
RT: 9.587 min   Scan# 1274
Delta R.T.   0.001 min
Lab File: BF141003.D
Acq: 27 Dec 2024   18:13

Tgt Ion:163 Resp: 1812430

Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.1	4.7
164	10.4	8.3	12.5



Instrument :
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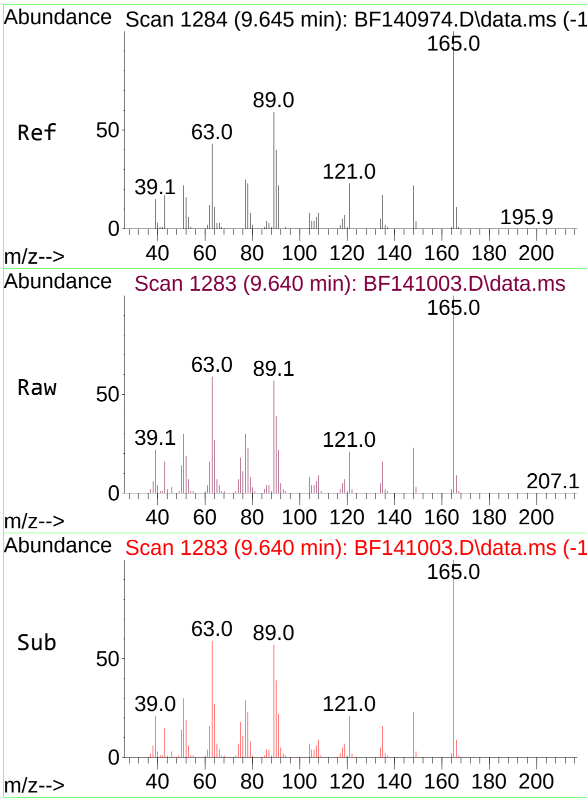
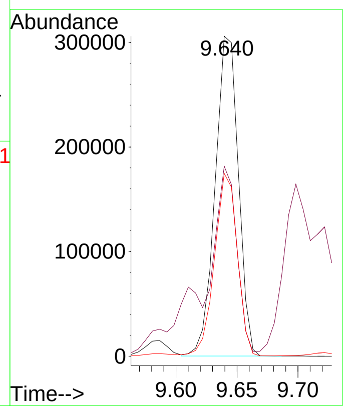
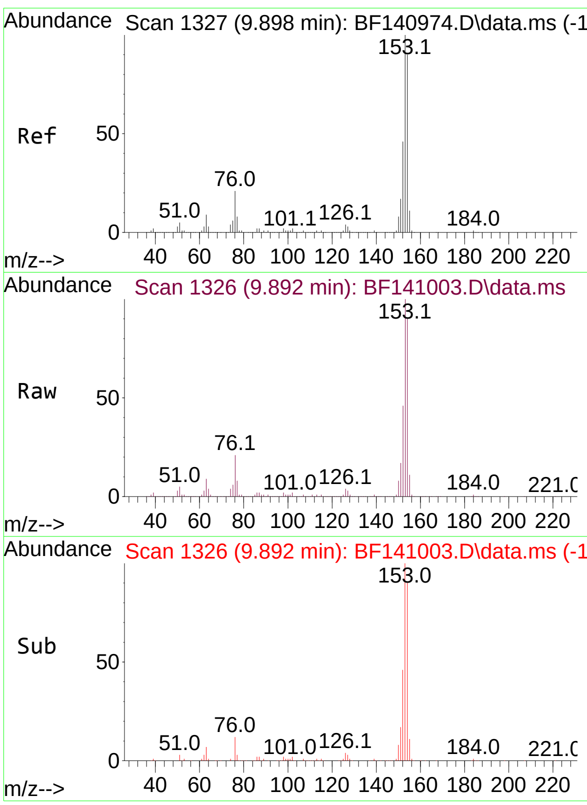


#51
2,6-Dinitrotoluene
Concen: 54.549 ng
RT: 9.640 min Scan# 1
Delta R.T. -0.005 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion:165 Resp: 40608

Ion	Ratio	Lower	Upper
165	100		
63	59.4	47.1	70.7
89	57.1	47.0	70.4

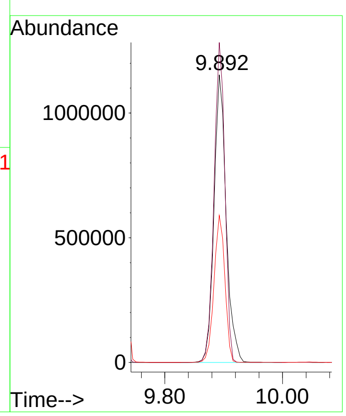




#52
Acenaphthene
Concen: 52.328 ng
RT: 9.892 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion:154 Resp: 1661885

Ion	Ratio	Lower	Upper
154	100		
153	111.2	89.2	133.8
152	51.1	40.9	61.3



Instrument :
BNA_F
ClientSampleId :
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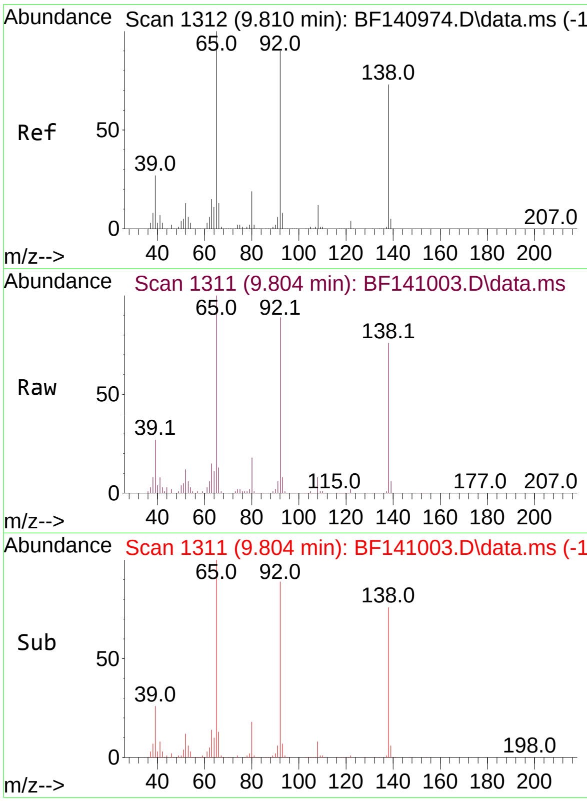
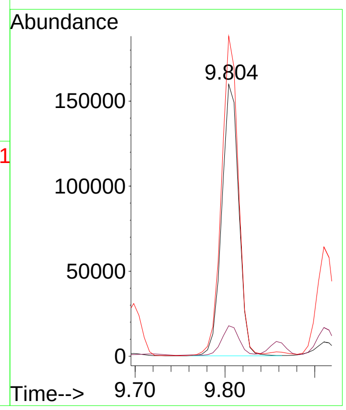
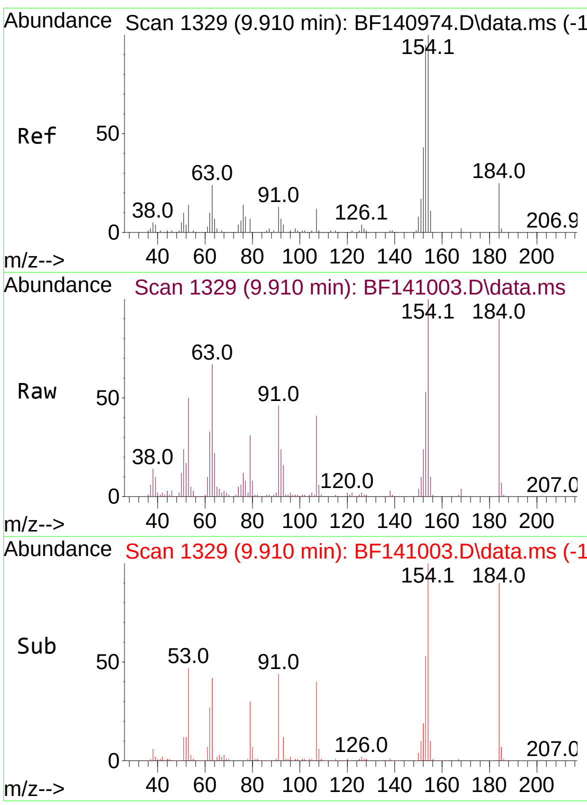


#53
3-Nitroaniline
Concen: 27.725 ng
RT: 9.804 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion:138 Resp: 21039

Ion	Ratio	Lower	Upper
138	100		
108	11.2	13.5	20.3#
92	117.7	97.7	146.5

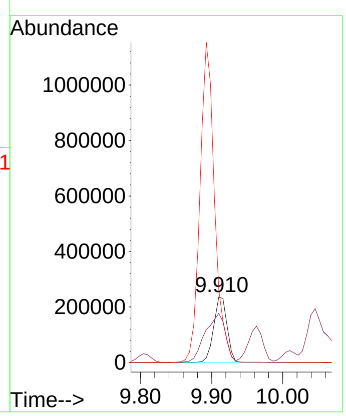




#54
2,4-Dinitrophenol
Concen: 96.498 ng
RT: 9.910 min Scan# 1329
Delta R.T. 0.000 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion:184 Resp: 310318

Ion	Ratio	Lower	Upper
184	100		
63	74.9	81.6	122.4#
154	111.4	363.5	545.3#



Instrument :
BNA_F
ClientSampleId :
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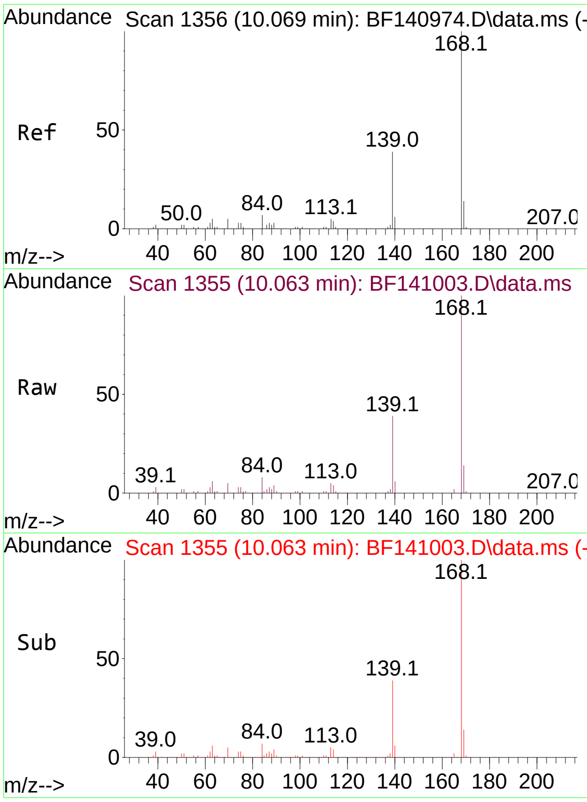
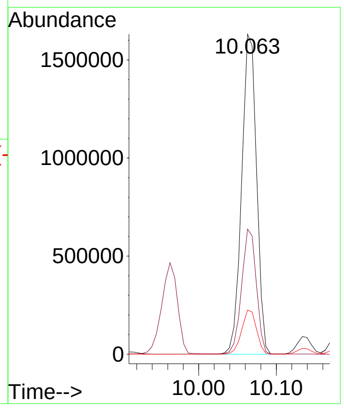
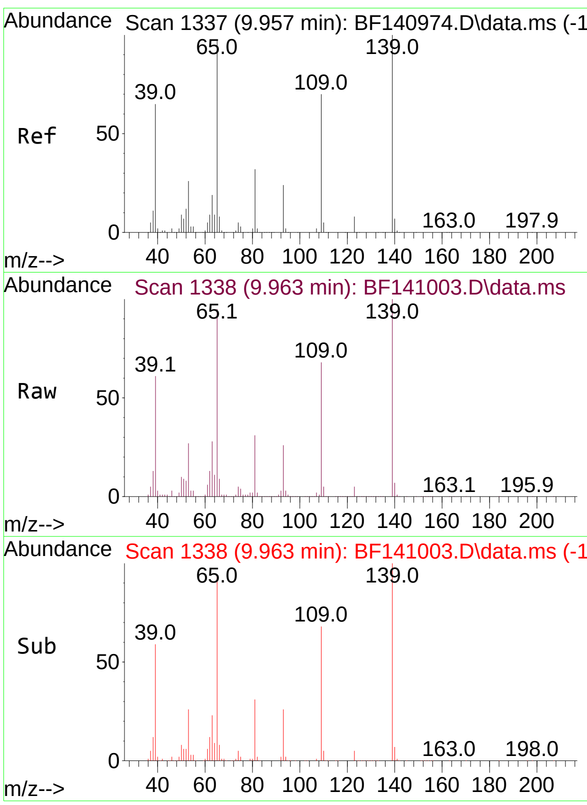


#55
Dibenzofuran
Concen: 48.883 ng
RT: 10.063 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion:168 Resp: 218175

Ion	Ratio	Lower	Upper
168	100		
139	39.1	31.6	47.4
169	13.8	11.0	16.6

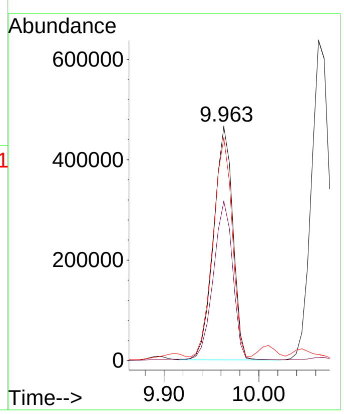




#56
4-Nitrophenol
Concen: 106.306 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion:139 Resp: 657289

Ion	Ratio	Lower	Upper
139	100		
109	68.1	50.8	90.8
65	95.1	78.5	118.5



Instrument :
BNA_F
ClientSampleId :
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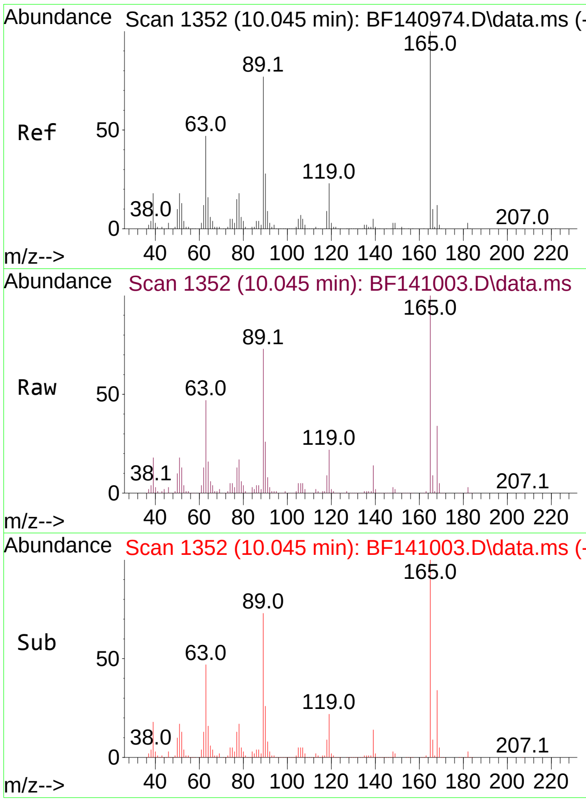
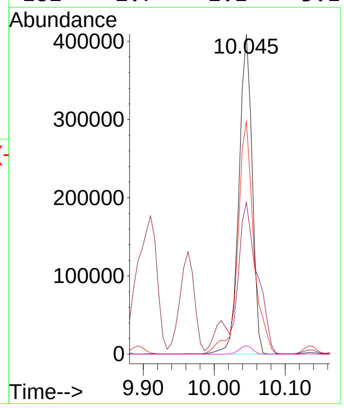
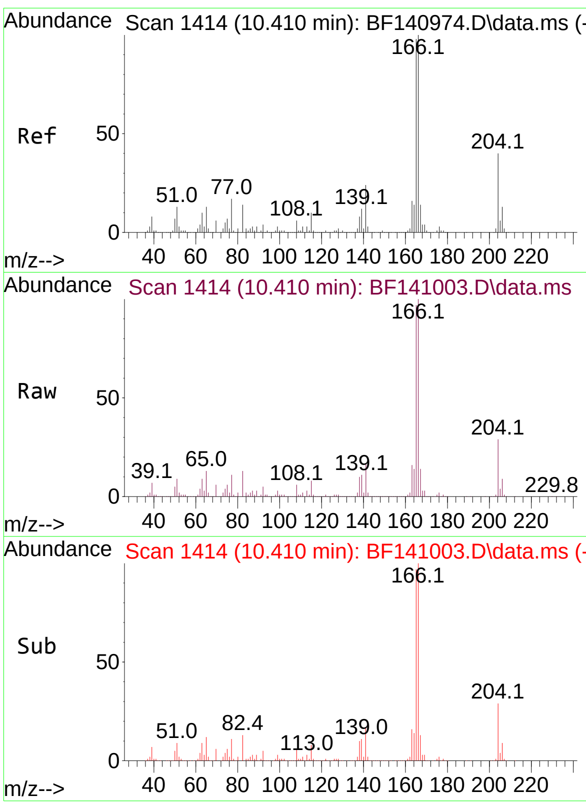


#57
2,4-Dinitrotoluene
Concen: 57.815 ng
RT: 10.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion:165 Resp: 53067

Ion	Ratio	Lower	Upper
165	100		
63	47.5	38.1	57.1
89	72.8	61.4	92.2
182	2.7	2.1	3.1

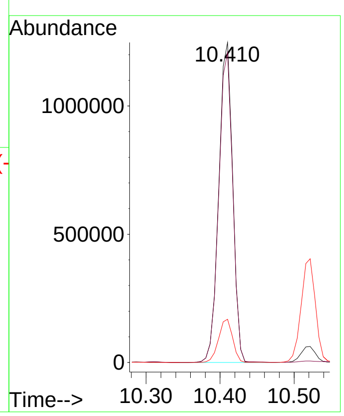


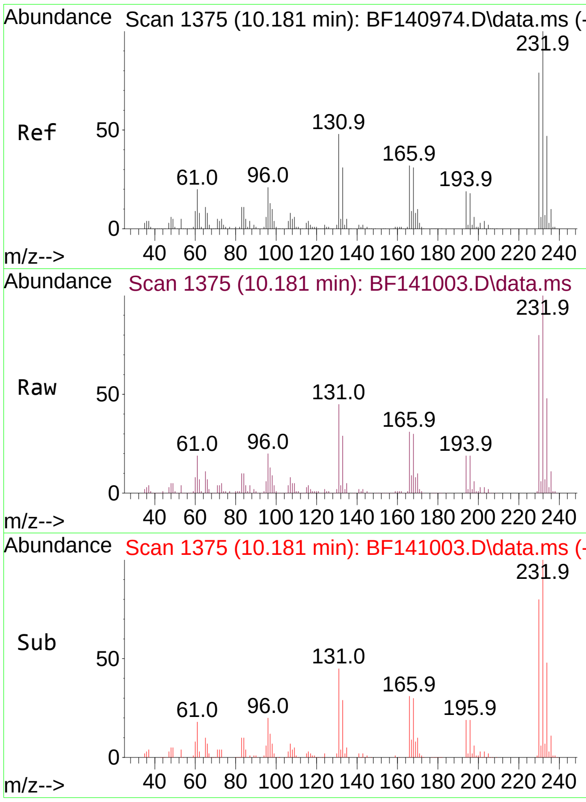


#58
Fluorene
Concen: 47.158 ng
RT: 10.410 min Scan# 1414
Delta R.T. 0.000 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion:166 Resp: 1632155

Ion	Ratio	Lower	Upper
166	100		
165	96.8	78.3	117.5
167	13.5	10.9	16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 52.952 ng
RT: 10.181 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:232 Resp: 45149

Ion	Ratio	Lower	Upper
232	100		
131	46.2	37.4	56.2
130	2.2	1.8	2.8
166	31.1	24.8	37.2

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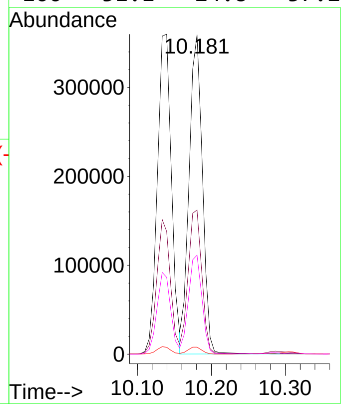
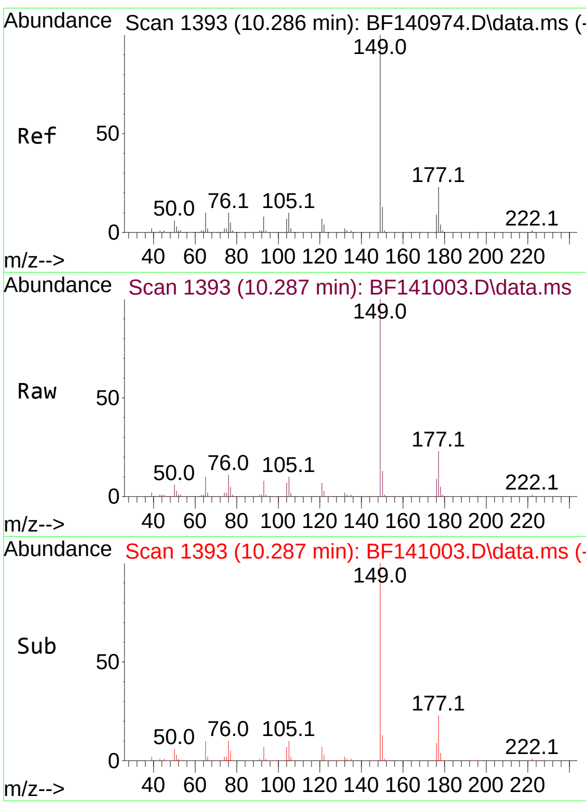
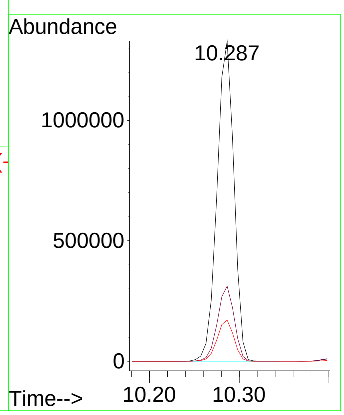


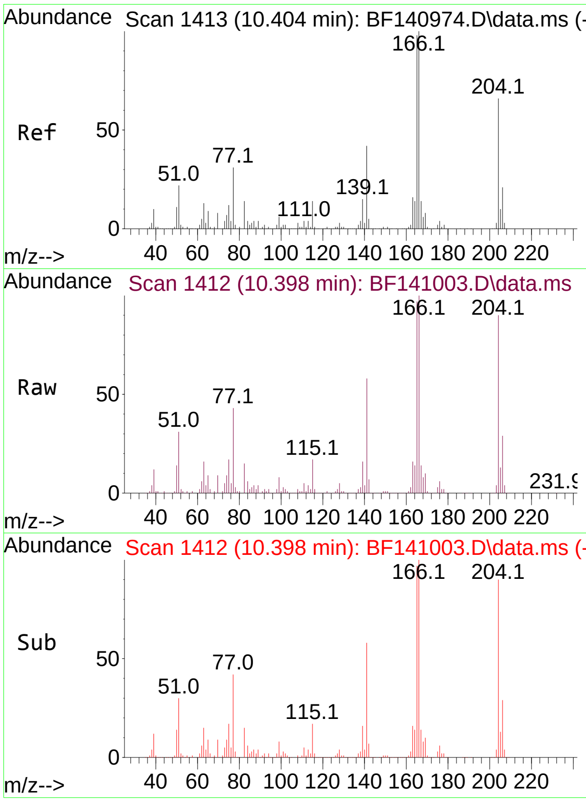


#60
Diethylphthalate
Concen: 48.942 ng
RT: 10.287 min Scan# 1393
Delta R.T. 0.000 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion:149 Resp: 1746446

Ion	Ratio	Lower	Upper
149	100		
177	23.4	18.3	27.5
150	12.9	10.4	15.6





#61
4-Chlorophenyl-phenylether
Concen: 47.402 ng
RT: 10.398 min Scan# 14
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion:204 Resp: 78941

Ion	Ratio	Lower	Upper
204	100		
206	32.8	25.8	38.6
141	64.5	51.2	76.8

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

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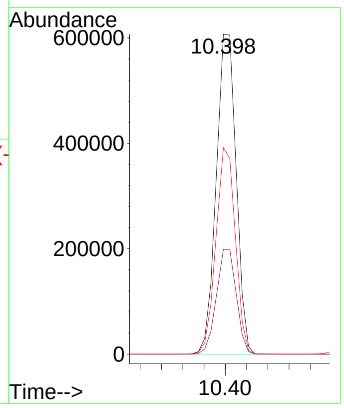
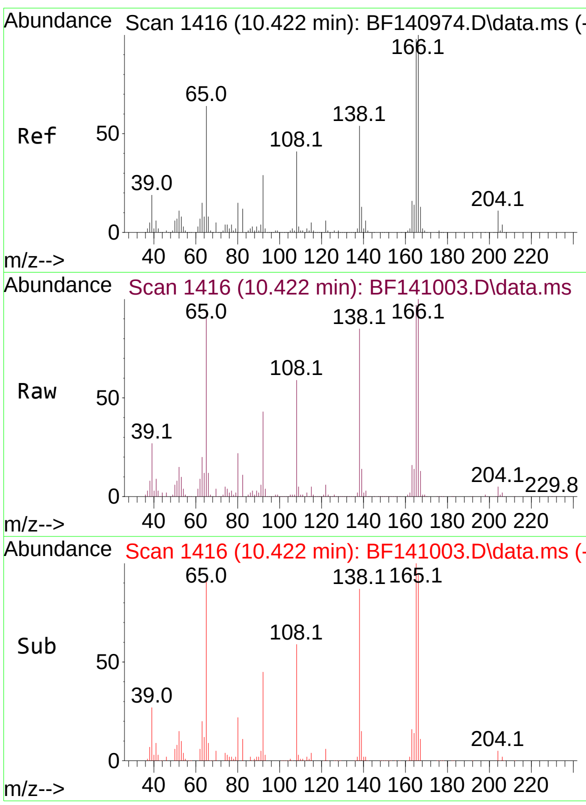
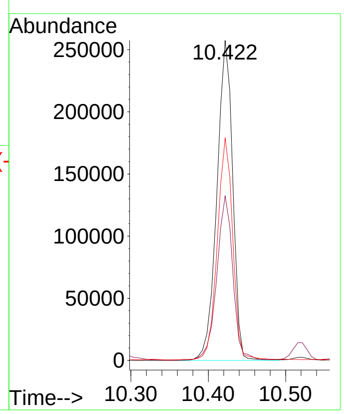




#62
4-Nitroaniline
Concen: 45.963 ng
RT: 10.422 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion:138 Resp: 366875

Ion	Ratio	Lower	Upper
138	100		
92	51.4	34.8	74.8
108	69.4	55.9	95.9



Instrument : BNA_F
ClientSampleId : WC-SOIL-20241219MSD

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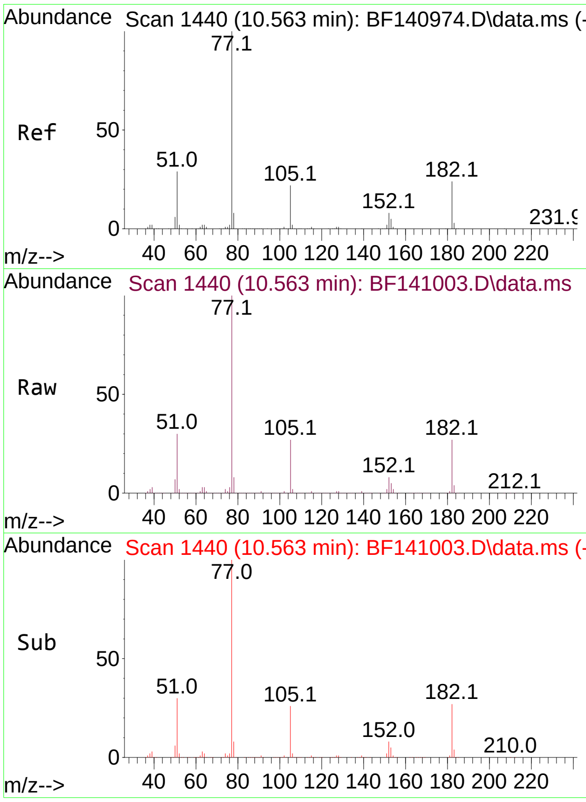
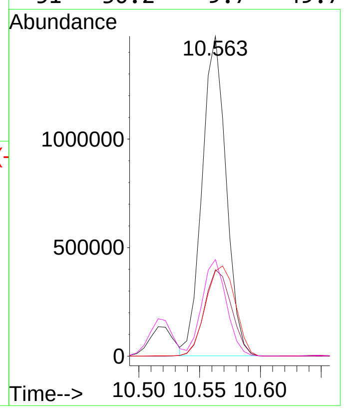
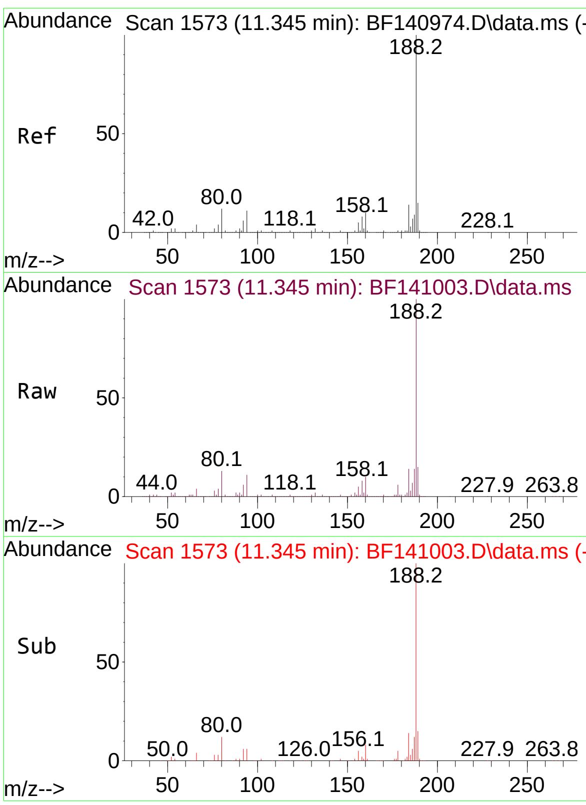


#63
Azobenzene
Concen: 54.076 ng
RT: 10.563 min Scan# 14
Delta R.T. 0.000 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion: 77 Resp: 2025418

Ion	Ratio	Lower	Upper
77	100		
182	27.0	4.1	44.1
105	26.6	1.8	41.8
51	30.2	9.7	49.7

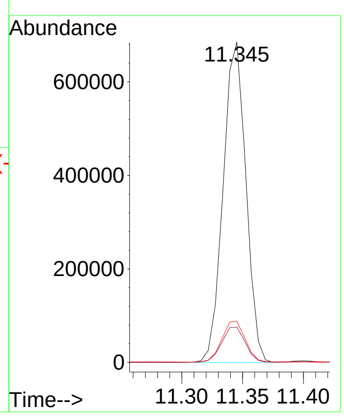


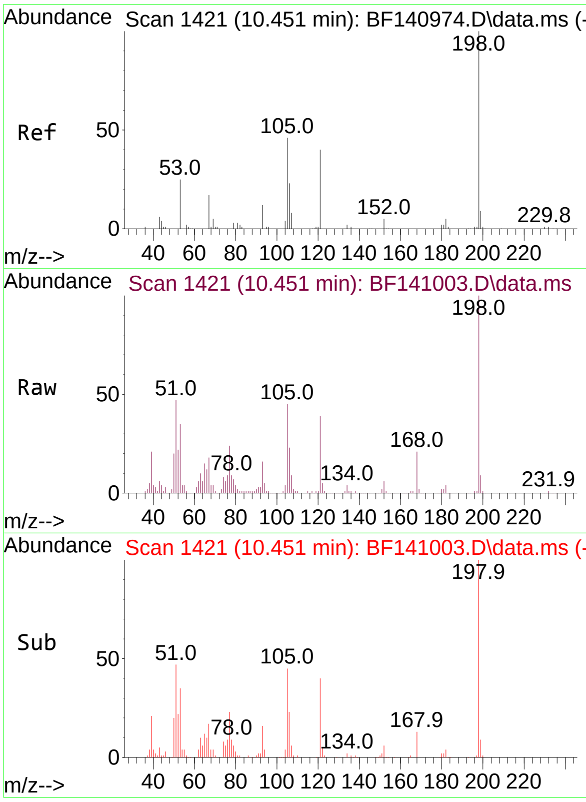


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.345 min Scan# 1573
Delta R.T. 0.000 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion:188 Resp: 894495

Ion	Ratio	Lower	Upper
188	100		
94	11.1	9.0	13.6
80	12.8	9.8	14.6





#65
4,6-Dinitro-2-methylphenol
Concen: 59.257 ng
RT: 10.451 min   Scan# 14
Delta R.T.   0.000 min
Lab File: BF141003.D
Acq: 27 Dec 2024   18:13

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:198 Resp: 22104

Ion	Ratio	Lower	Upper
198	100		
51	46.8	32.3	72.3
105	44.7	28.4	68.4

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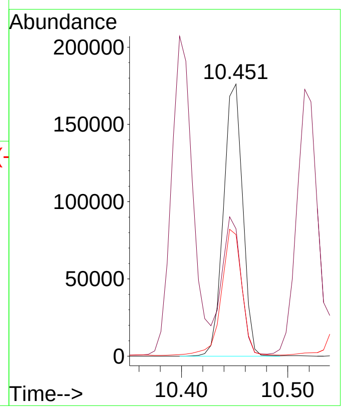
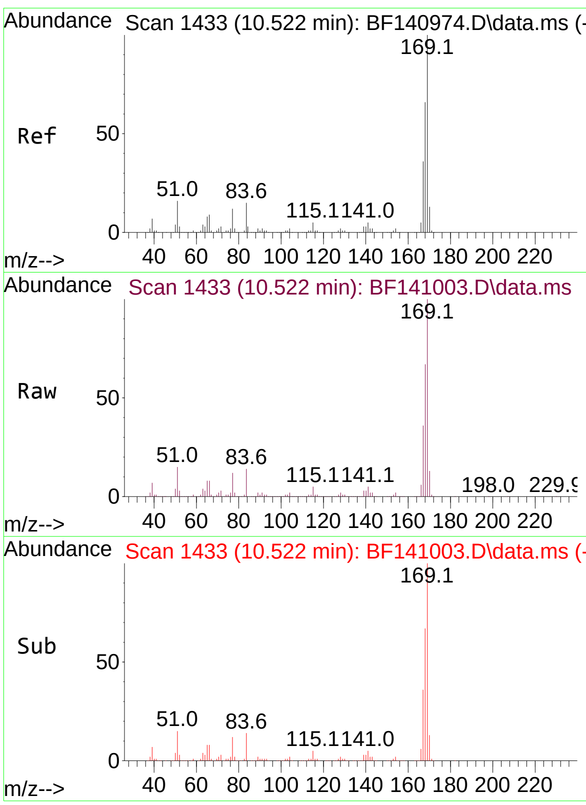
Supervised By :mohammad ahmed   12/30/2024

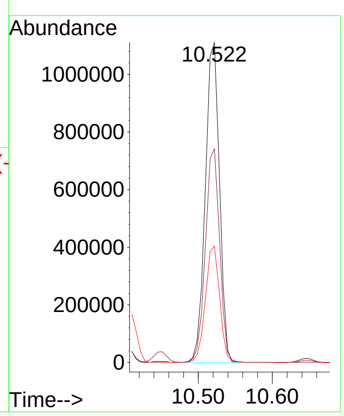




#66
n-Nitrosodiphenylamine
Concen: 52.682 ng
RT: 10.522 min   Scan# 1433
Delta R.T.   0.000 min
Lab File: BF141003.D
Acq: 27 Dec 2024   18:13

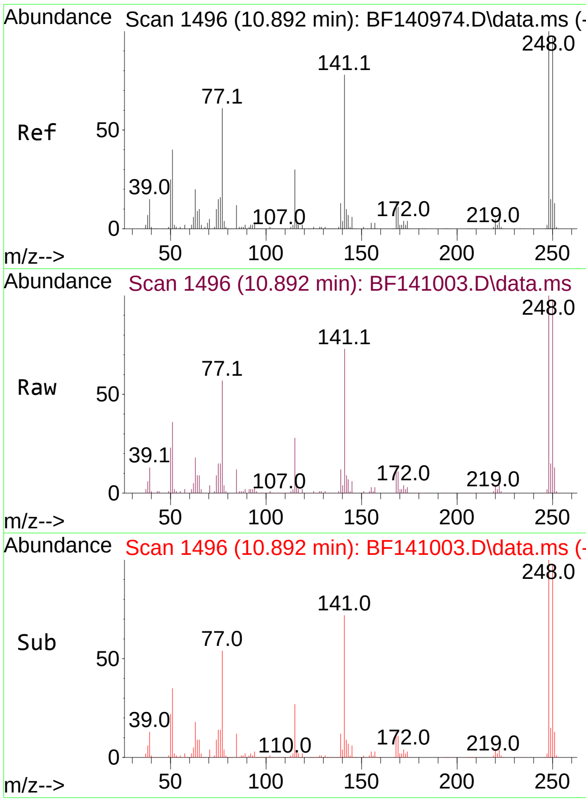
Tgt Ion:169 Resp: 1483931

Ion	Ratio	Lower	Upper
169	100		
168	66.9	52.6	79.0
167	36.4	29.0	43.4



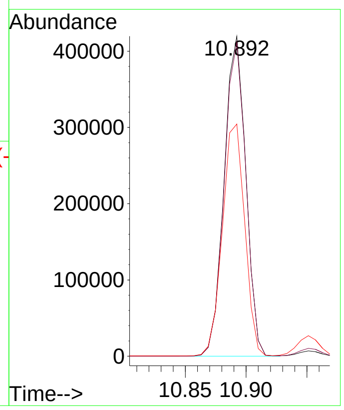
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

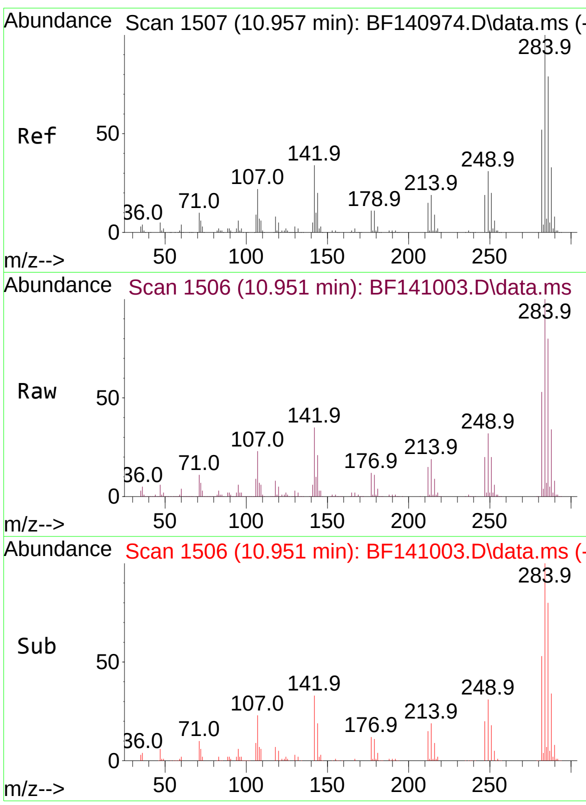
Manual Integrations
APPROVED
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024




```
#67
4-Bromophenyl-phenylether
Concen:    53.912 ng
RT:  10.892 min   Scan# 14
Delta R.T.   0.000 min
Lab File:    BF141003.D
Acq: 27 Dec 2024   18:13

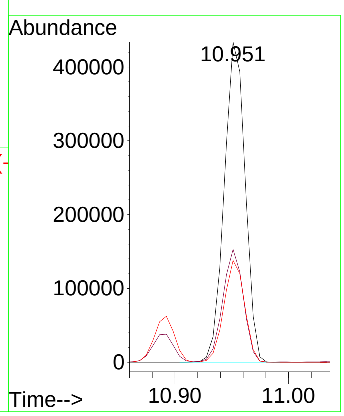
Tgt Ion:248 Resp:  52131
Ion  Ratio  Lower  Upper
248  100
250   98.1   77.7  116.5
141   72.5   62.1   93.1
```



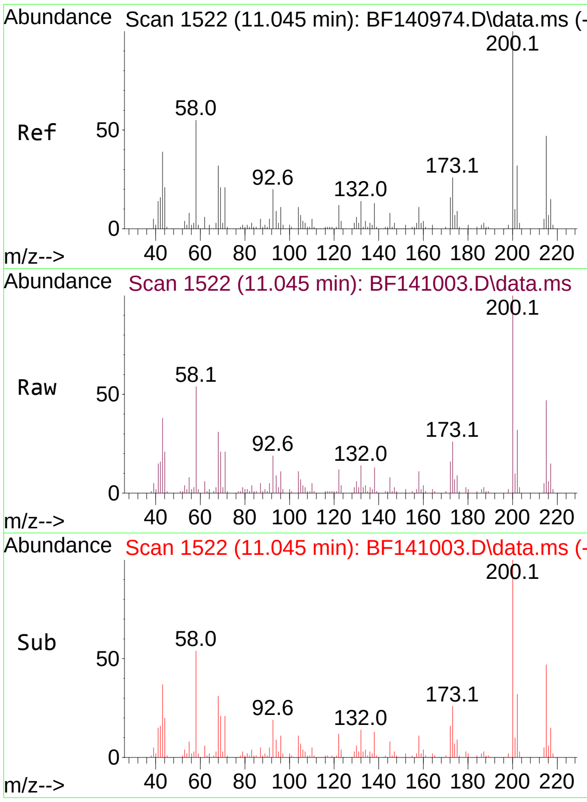



```
#68
Hexachlorobenzene
Concen:    52.239 ng
RT:  10.951 min   Scan# 1506
Delta R.T.  -0.006 min
Lab File:    BF141003.D
Acq: 27 Dec 2024   18:13

Tgt Ion:284 Resp:  556990
Ion  Ratio  Lower  Upper
284  100
142   35.2   27.1   40.7
249   31.8   25.1   37.7
```



Sample Results: **BF141003.D**



#69
Atrazine
Concen: 63.534 ng
RT: 11.045 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion:200 Resp: 49995

Ion	Ratio	Lower	Upper
200	100		
173	26.5	6.4	46.4
215	46.6	27.2	67.2

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BNA_F
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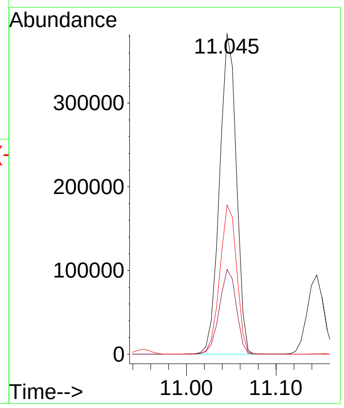
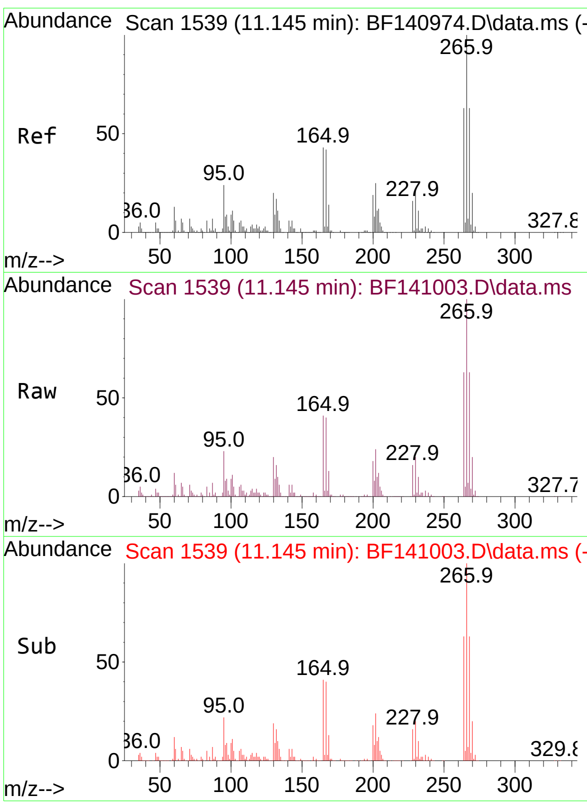
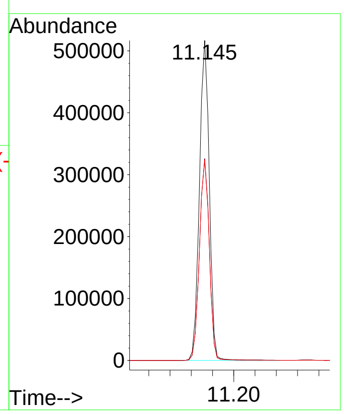




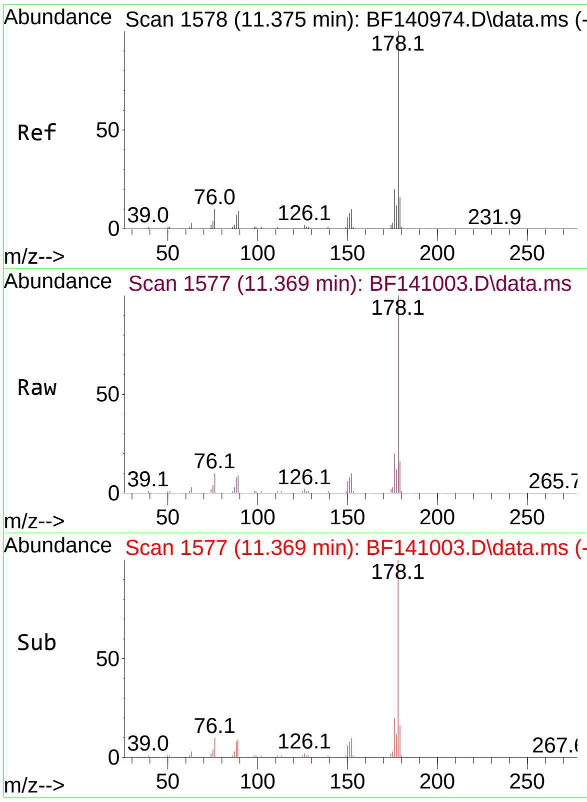
#70
Pentachlorophenol
Concen: 100.239 ng
RT: 11.145 min Scan# 1539
Delta R.T. 0.000 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion:266 Resp: 665427

Ion	Ratio	Lower	Upper
266	100		
268	63.1	50.5	75.7
264	62.6	50.2	75.4



Sample Results: **BF141003.D**




```
#71
Phenanthrene
Concen:    51.515 ng
RT:  11.369 min  Scan# 1!
Delta R.T.   -0.006 min
Lab File:    BF141003.D
Acq: 27 Dec 2024   18:13

Tgt Ion:178 Resp: 2425244
Ion  Ratio   Lower  Upper
178  100
176   19.7    15.8   23.6
179   15.9    12.6   19.0
```

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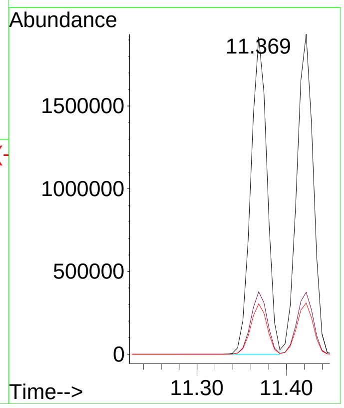
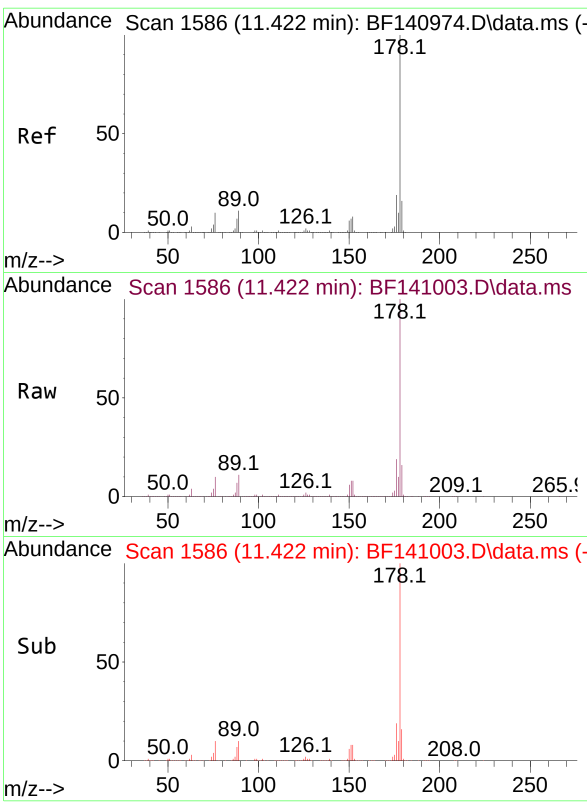
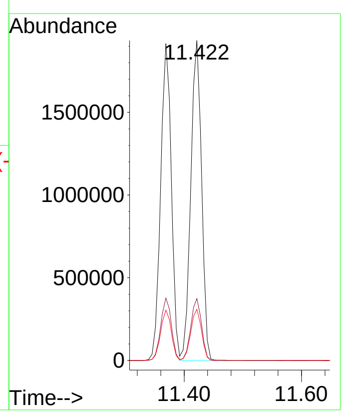





```
#72
Anthracene
Concen:    53.397 ng
RT:  11.422 min  Scan# 1586
Delta R.T.   0.000 min
Lab File:    BF141003.D
Acq: 27 Dec 2024   18:13

Tgt Ion:178 Resp: 2463235
Ion  Ratio   Lower  Upper
178  100
176   19.4    15.3   22.9
179   16.0    12.9   19.3
```



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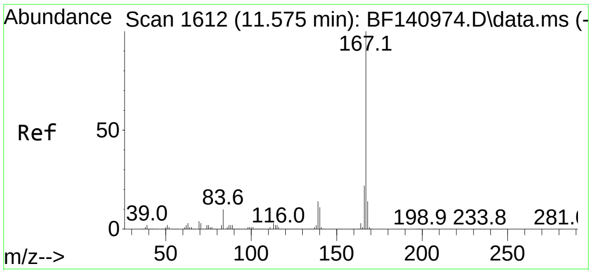
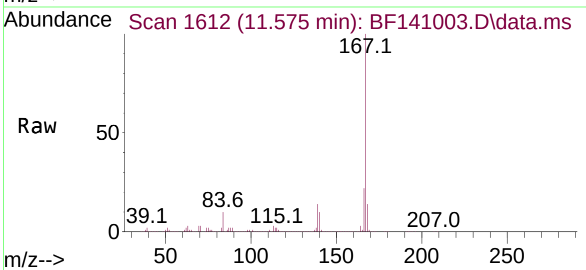
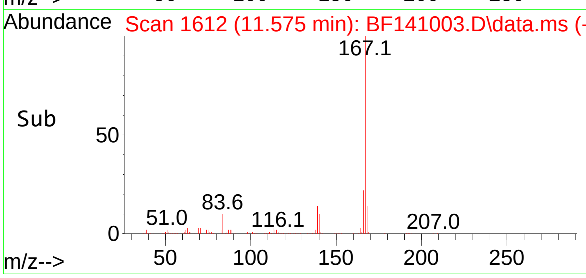


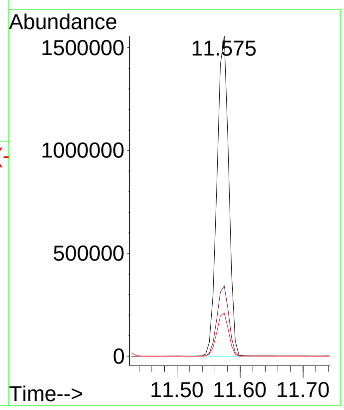


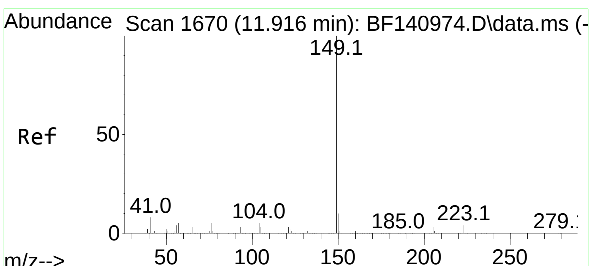


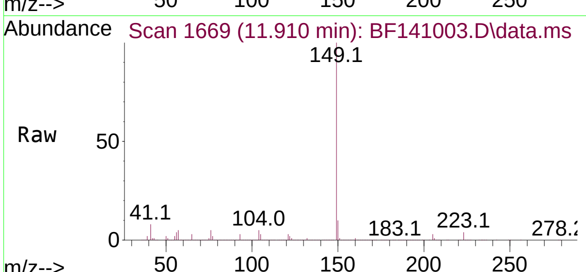
#73
Carbazole
Concen: 45.526 ng
RT: 11.575 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

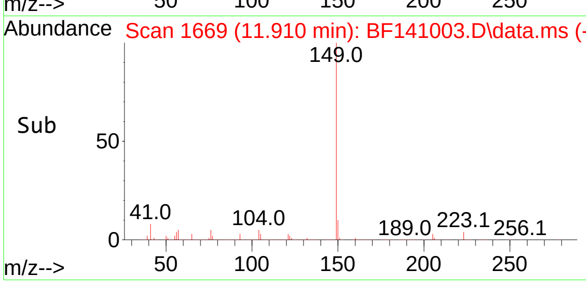
Tgt Ion:167 Resp: 201890

Ion	Ratio	Lower	Upper
167	100		
166	22.0	17.5	26.3
139	13.5	11.0	16.4





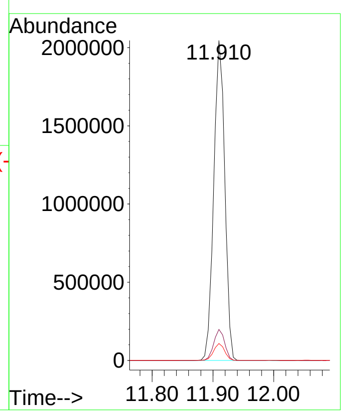


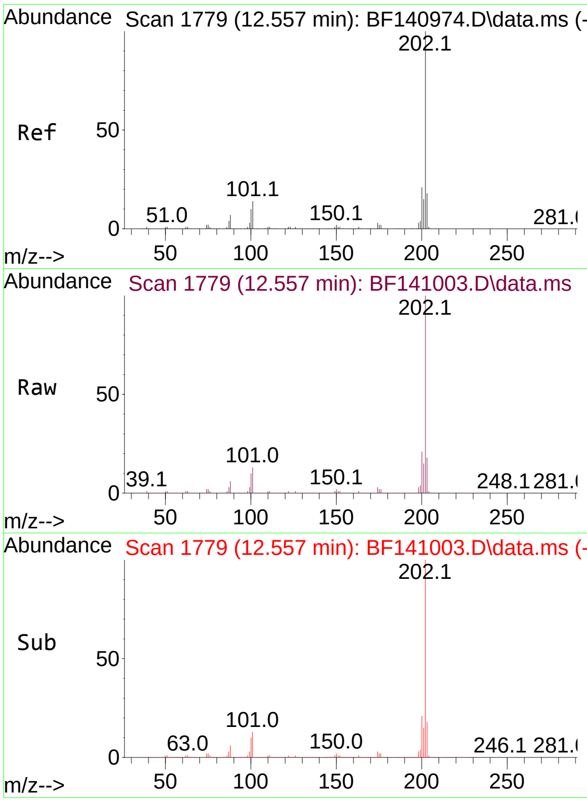


#74
Di-n-butylphthalate
Concen: 51.176 ng
RT: 11.910 min Scan# 1669
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion:149 Resp: 2581274

Ion	Ratio	Lower	Upper
149	100		
150	9.7	7.7	11.5
104	5.3	4.1	6.1





#75
Fluoranthene
Concen: 43.566 ng
RT: 12.557 min Scan# 1
Delta R.T. 0.000 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion:202 Resp: 222444

Ion	Ratio	Lower	Upper
202	100		
101	12.9	0.0	33.7
203	17.7	0.0	38.1

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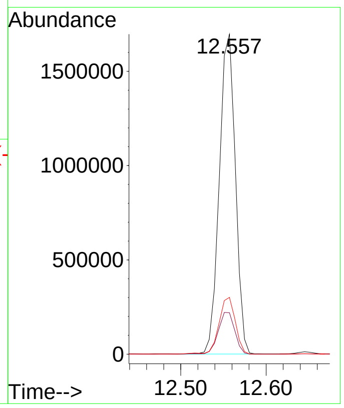
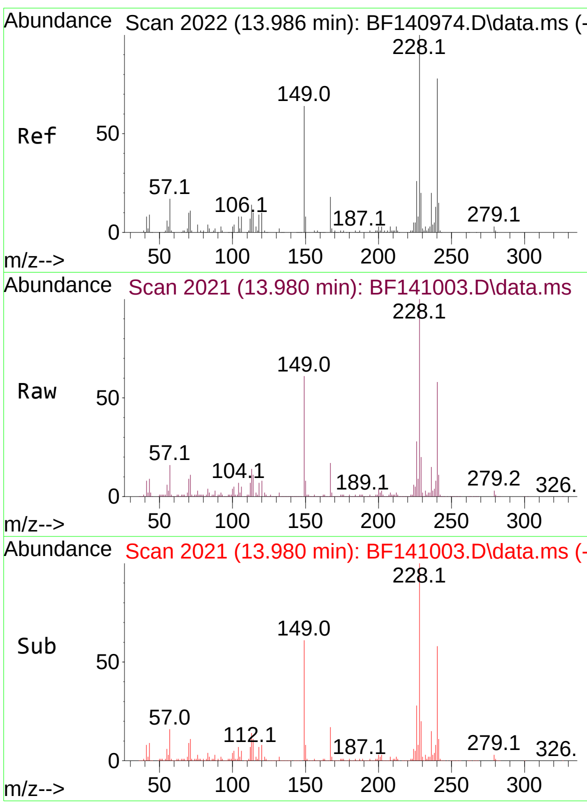
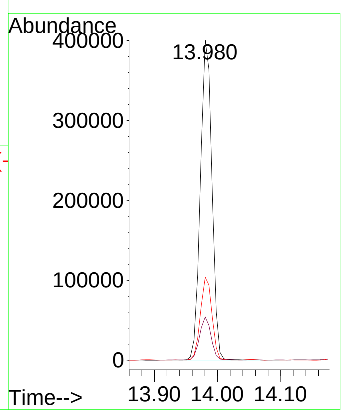




#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion:240 Resp: 509383

Ion	Ratio	Lower	Upper
240	100		
120	13.5	10.7	16.1
236	25.9	20.6	31.0



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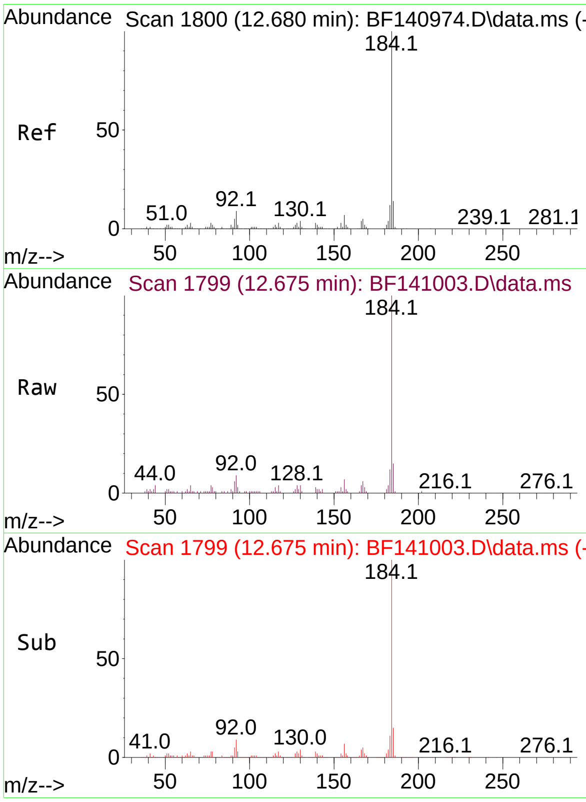
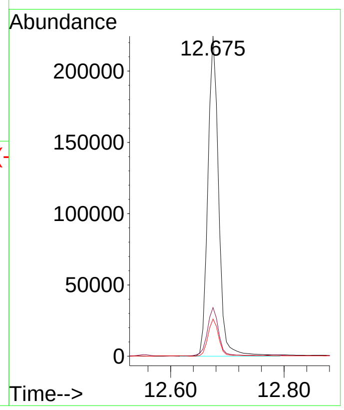
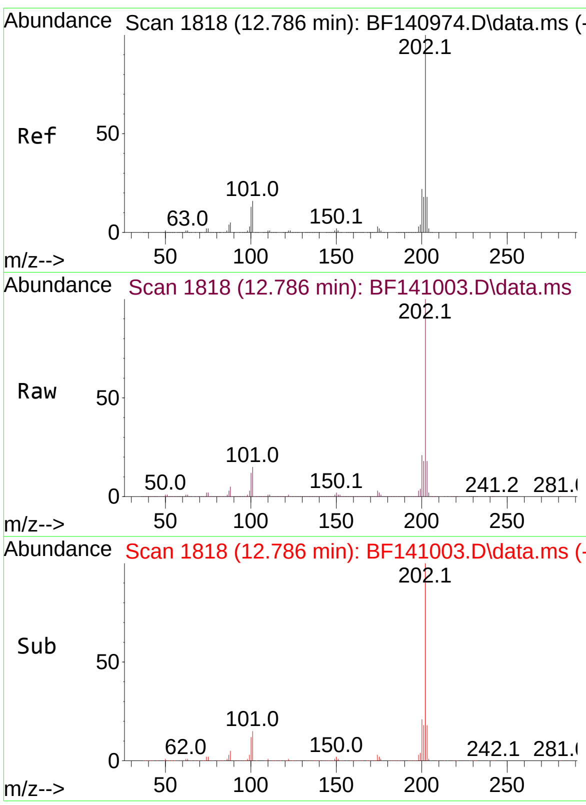


#77
Benzidine
Concen: 27.416 ng
RT: 12.675 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion:184 Resp: 29514

Ion	Ratio	Lower	Upper
184	100		
185	15.2	11.4	17.2
183	11.6	9.4	14.0

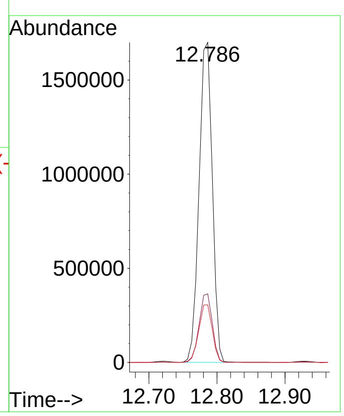




#78
Pyrene
Concen: 51.800 ng
RT: 12.786 min Scan# 1818
Delta R.T. 0.000 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion:202 Resp: 2307667

Ion	Ratio	Lower	Upper
202	100		
200	21.5	17.3	25.9
203	18.0	14.6	21.8



Sample Results: **BF141003.D**

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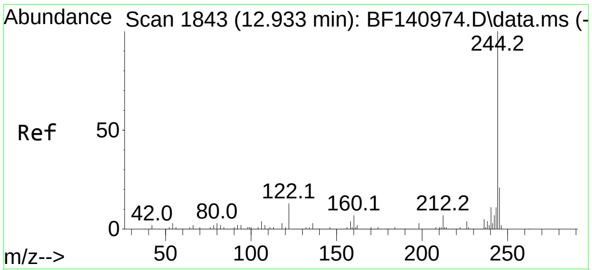
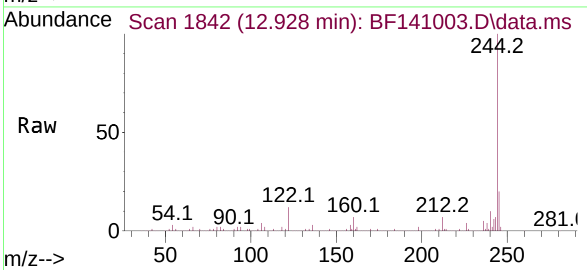
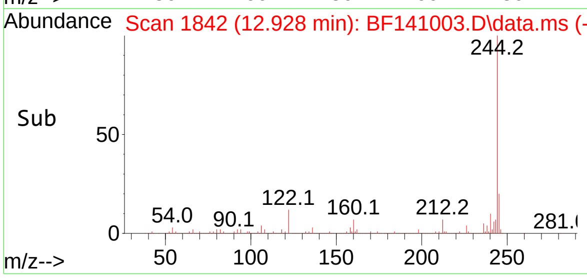


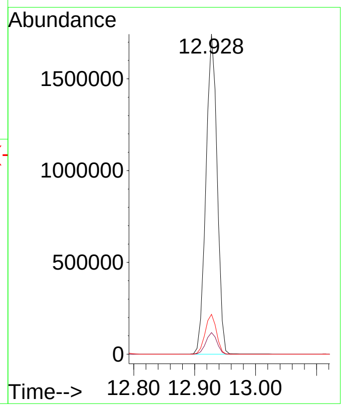


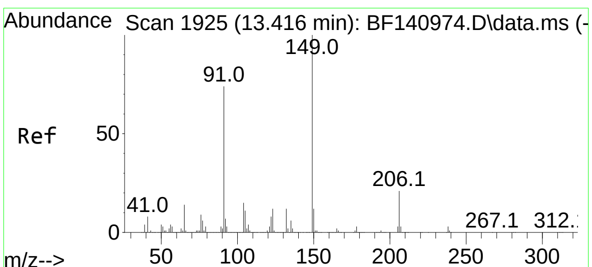


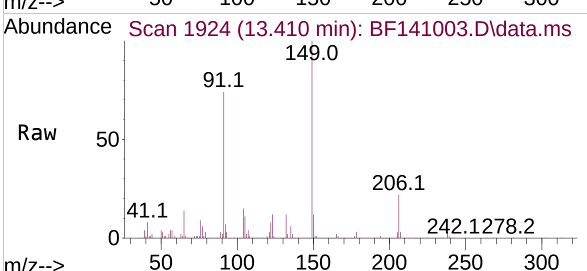
#79
Terphenyl-d14
Concen: 72.602 ng
RT: 12.928 min Scan# 1
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

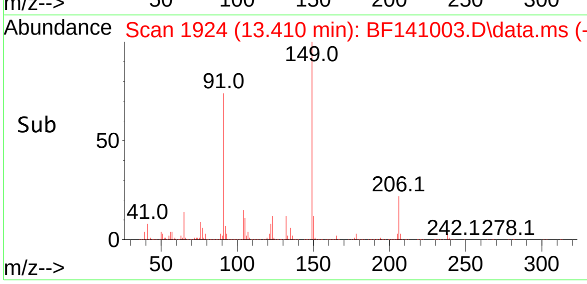
Tgt Ion:244 Resp: 222651

Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.7	8.5
122	12.5	10.2	15.2





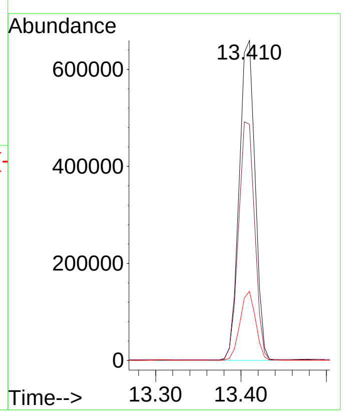




#80
Butylbenzylphthalate
Concen: 52.712 ng
RT: 13.410 min Scan# 1924
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion:149 Resp: 857483

Ion	Ratio	Lower	Upper
149	100		
91	73.8	59.5	89.3
206	21.6	17.1	25.7



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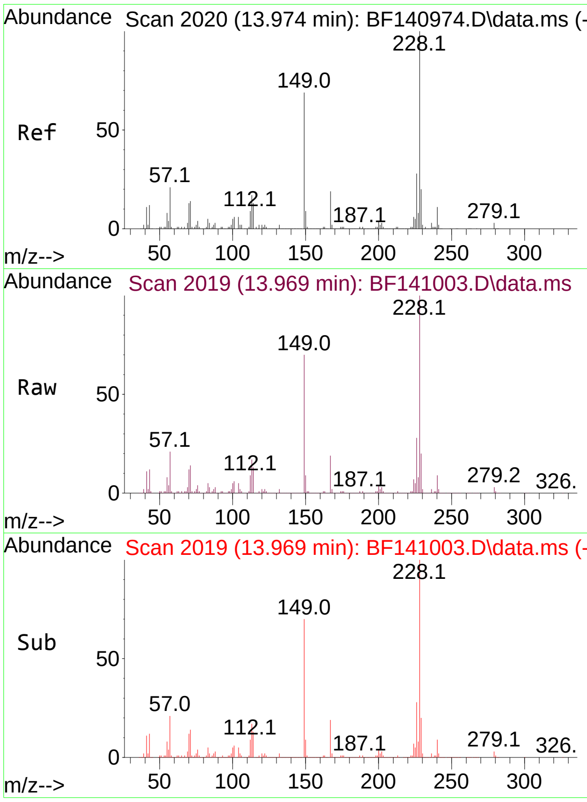
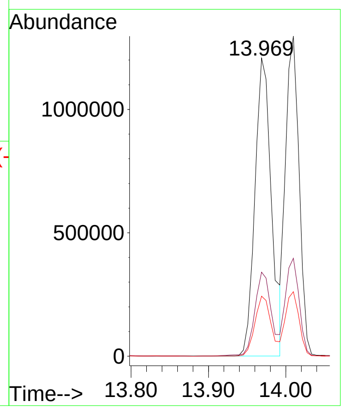
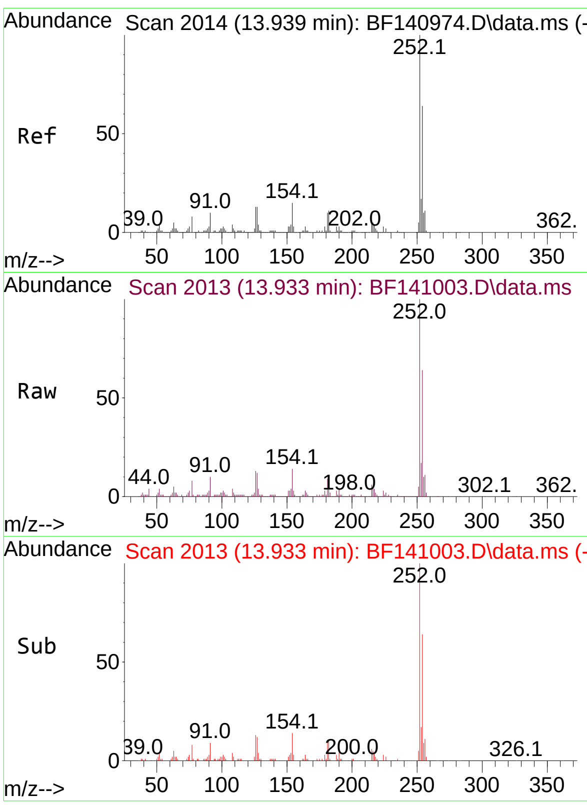


#81
Benzo(a)anthracene
Concen: 50.364 ng
RT: 13.969 min Scan# 20
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion:228 Resp: 178797

Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.1	33.1
229	20.2	16.2	24.2

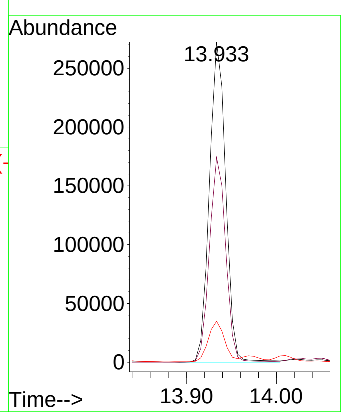


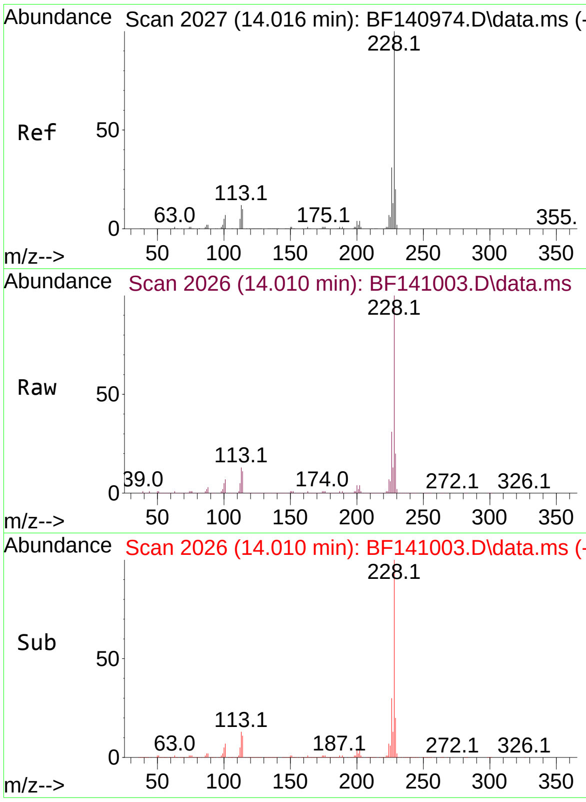


#82
3,3'-Dichlorobenzidine
Concen: 32.238 ng
RT: 13.933 min Scan# 2013
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion:252 Resp: 343860

Ion	Ratio	Lower	Upper
252	100		
254	64.0	51.5	77.3
126	12.8	10.3	15.5





#83
Chrysene
Concen: 48.974 ng
RT: 14.010 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Tgt Ion:228 Resp: 156731

Ion	Ratio	Lower	Upper
228	100		
226	30.6	24.5	36.7
229	20.2	16.2	24.4

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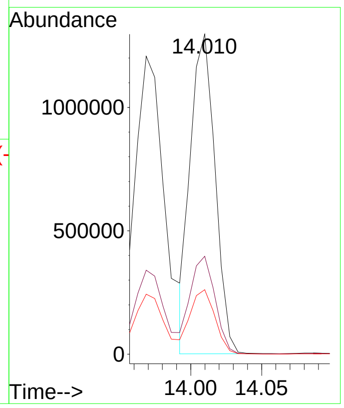
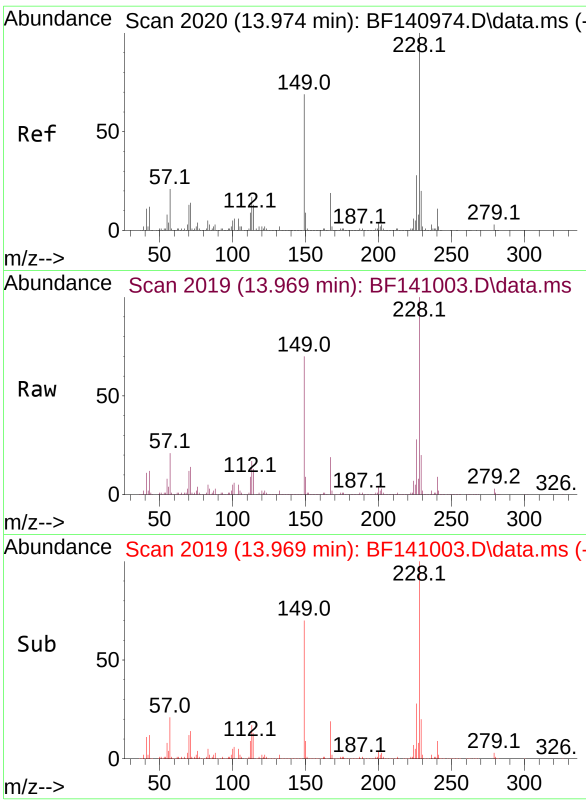
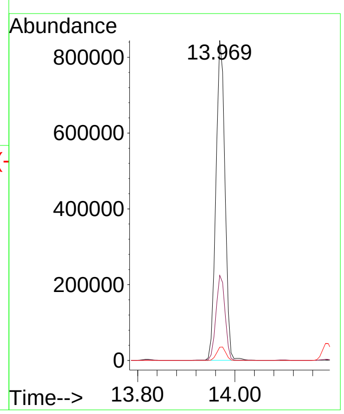


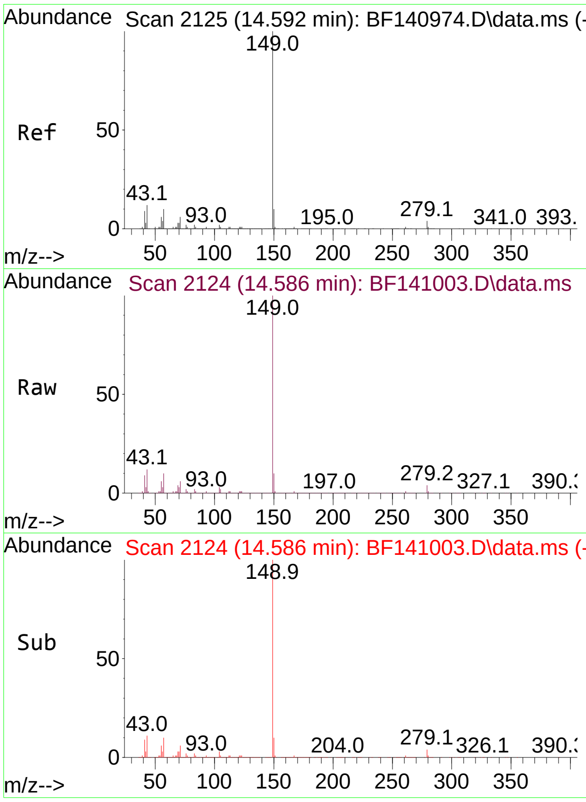


#84
Bis(2-ethylhexyl)phthalate
Concen: 51.520 ng
RT: 13.969 min Scan# 2019
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion:149 Resp: 1087121

Ion	Ratio	Lower	Upper
149	100		
167	26.6	21.6	32.4
279	4.1	3.2	4.8

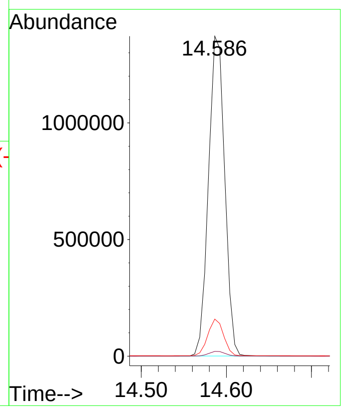




#85
Di-n-octyl phthalate
Concen: 59.602 ng
RT: 14.586 min Scan# 2
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion:149 Resp: 182029

Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.2	1.8
43	11.2	9.3	13.9



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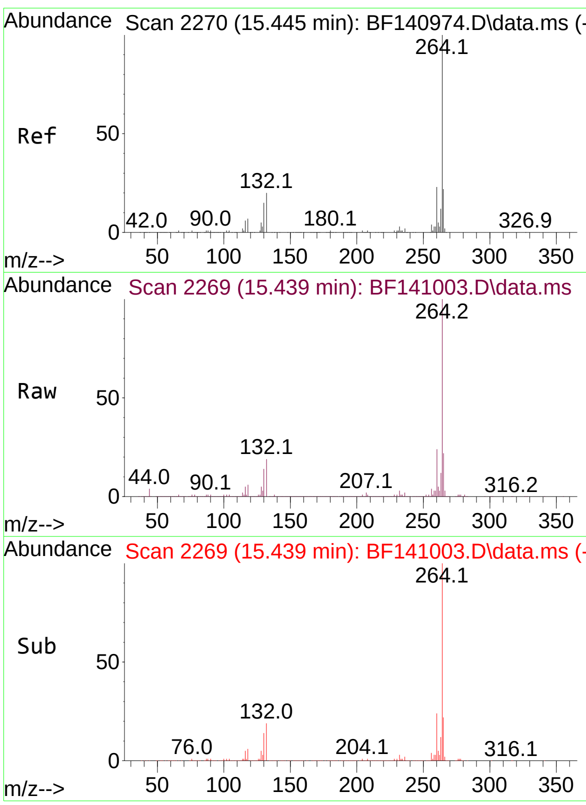
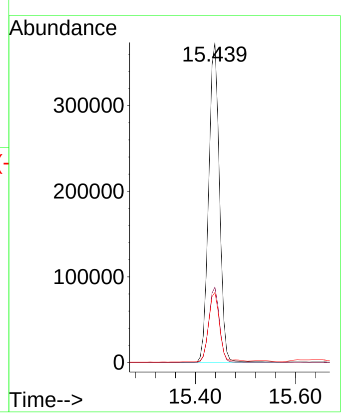
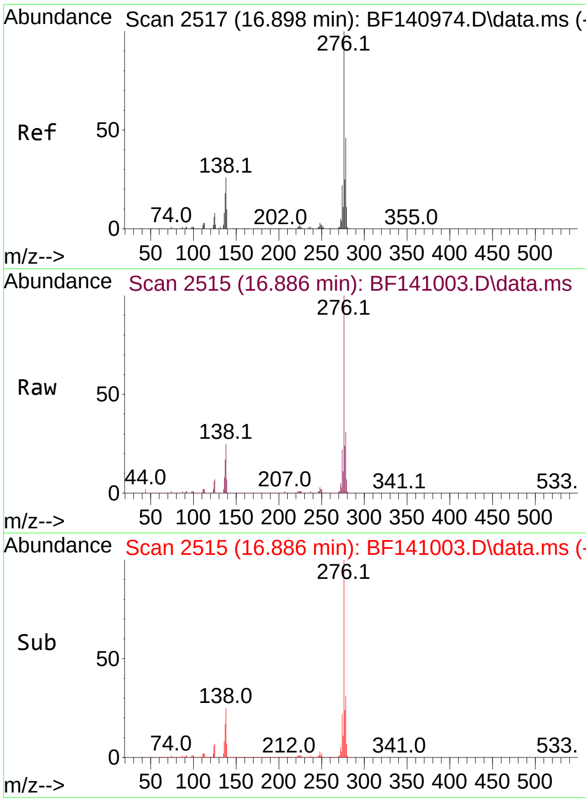


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.439 min Scan# 2269
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion:264 Resp: 560831

Ion	Ratio	Lower	Upper
264	100		
260	23.5	18.7	28.1
265	21.9	17.4	26.2





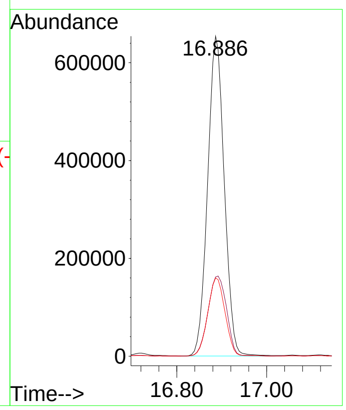
#87
Indeno(1,2,3-cd)pyrene
Concen: 47.551 ng
RT: 16.886 min Scan# 2
Delta R.T. -0.012 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

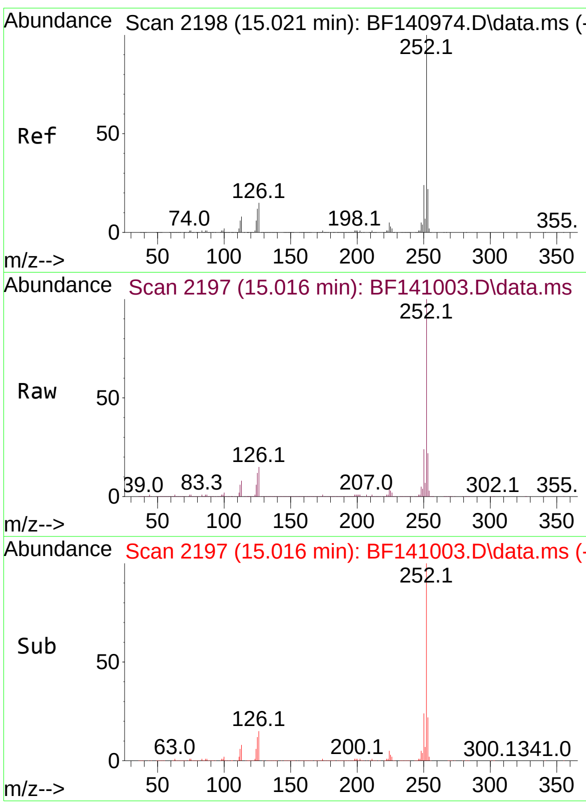
Tgt Ion:276 Resp: 168016

Ion	Ratio	Lower	Upper
276	100		
138	28.0	23.1	34.7
277	25.4	20.4	30.6

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Manual Integrations
APPROVED
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024

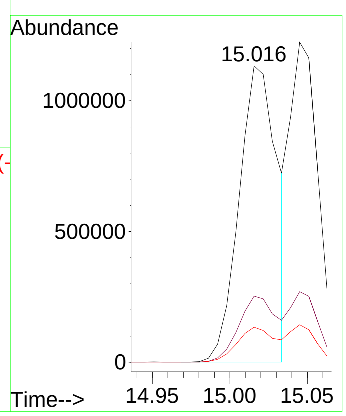


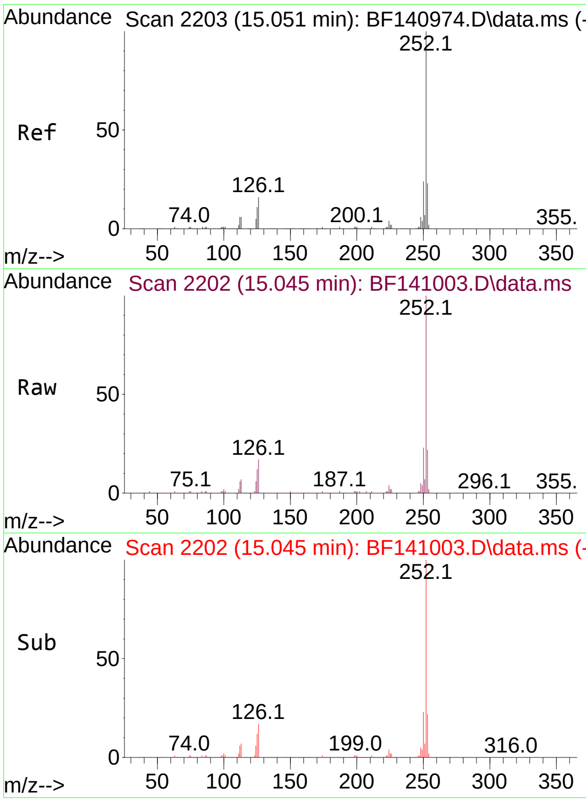


#88
Benzo(b)fluoranthene
Concen: 49.300 ng
RT: 15.016 min Scan# 2197
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion:252 Resp: 1928344

Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.7	26.5
125	11.8	9.3	13.9





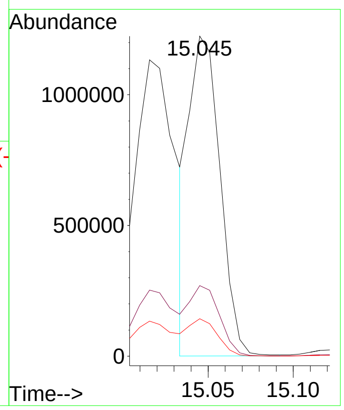

```
#89
Benzo(k)fluoranthene
Concen:   50.910 ng
RT:  15.045 min  Scan# 2
Delta R.T.   -0.006 min
Lab File:    BF141003.D
Acq: 27 Dec 2024  18:13

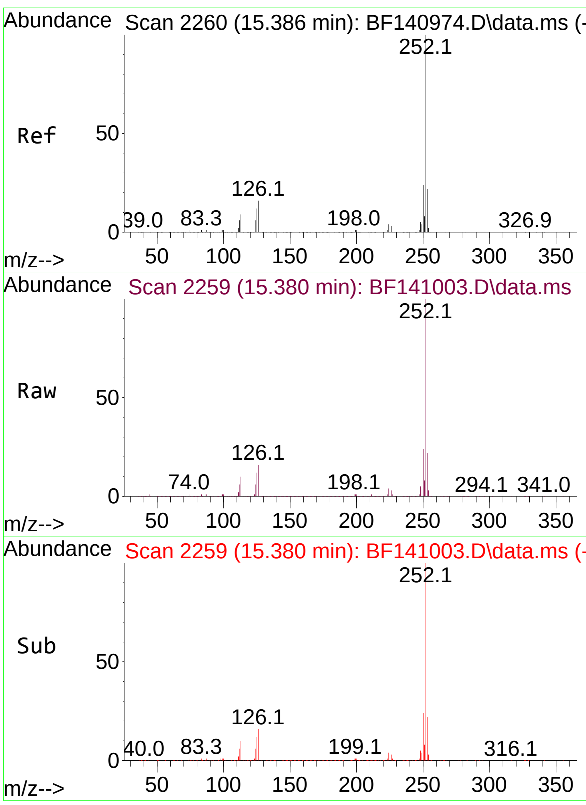
Tgt Ion:252 Resp: 156073
Ion  Ratio  Lower  Upper
252  100
253   22.0   17.8   26.8
125   11.7    9.4   14.0
```

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Manual Integrations APPROVED

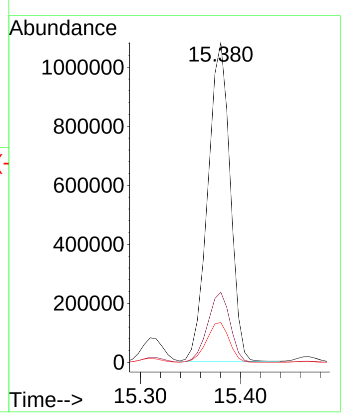
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



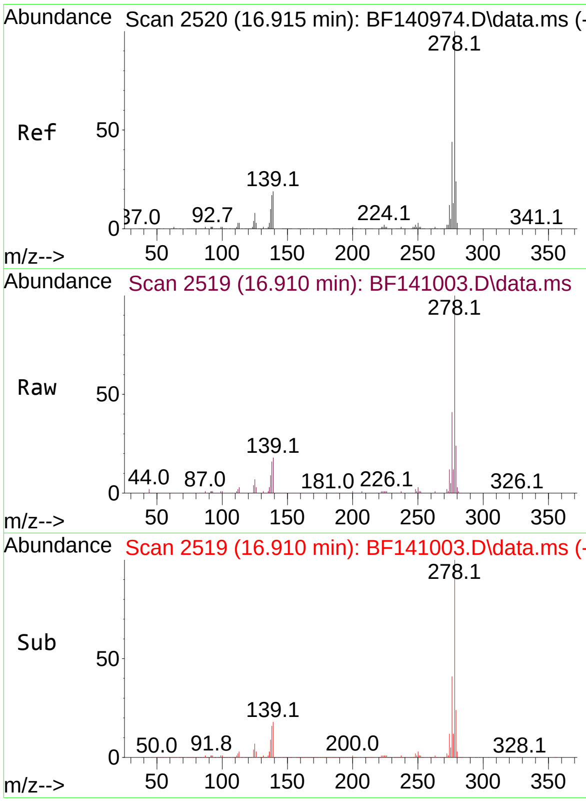



```
#90
Benzo(a)pyrene
Concen:   55.106 ng
RT:  15.380 min  Scan# 2259
Delta R.T.   -0.006 min
Lab File:    BF141003.D
Acq: 27 Dec 2024  18:13

Tgt Ion:252 Resp: 1673025
Ion  Ratio  Lower  Upper
252  100
253   22.0   17.2   25.8
125   12.5    9.8   14.8
```



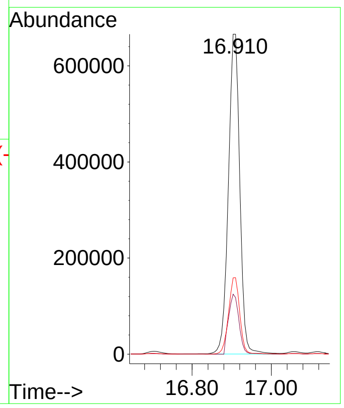
Sample Results: **BF141003.D**



#91
Dibenzo(a,h)anthracene
Concen: 46.445 ng
RT: 16.910 min Scan# 2!
Delta R.T. -0.006 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion:278 Resp: 133028

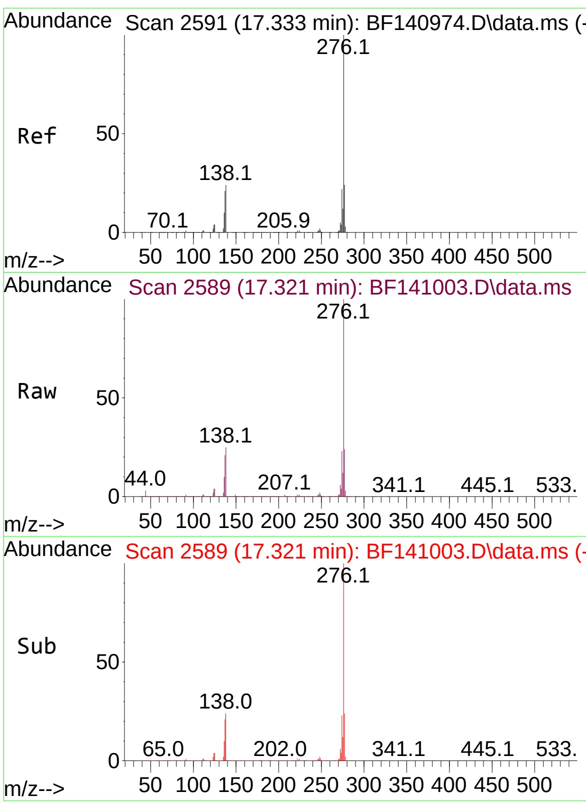
Ion	Ratio	Lower	Upper
278	100		
139	17.7	14.9	22.3
279	23.9	19.0	28.6



Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20241219MSD

Manual Integrations
APPROVED

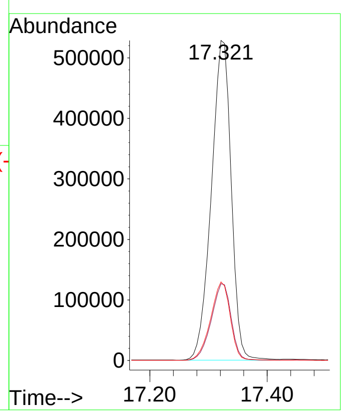
Reviewed By :Yogesh Patel 12/30/2024
Supervised By :mohammad ahmed 12/30/2024



#92
Benzo(g,h,i)perylene
Concen: 41.756 ng
RT: 17.321 min Scan# 2589
Delta R.T. -0.012 min
Lab File: BF141003.D
Acq: 27 Dec 2024 18:13

Tgt Ion:276 Resp: 1240443

Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.0	28.4
138	24.5	19.4	29.2



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Manual Integration Report

Sequence:	BF122624	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICCC040	BF140974.D	Aniline	yogesh	12/27/2024 3:54:51 AM	mohammad	12/27/2024 4:13:24 AM	Peak Integrated by Software
SSTDICCC040	BF140974.D	Caprolactam	yogesh	12/27/2024 3:54:51 AM	mohammad	12/27/2024 4:13:24 AM	Peak Integrated by Software
SSTDICC050	BF140975.D	Aniline	yogesh	12/27/2024 3:54:52 AM	mohammad	12/27/2024 4:13:24 AM	Peak Integrated by Software
SSTDICC050	BF140975.D	Caprolactam	yogesh	12/27/2024 3:54:52 AM	mohammad	12/27/2024 4:13:24 AM	Peak Integrated by Software
SSTDICC060	BF140976.D	Aniline	yogesh	12/27/2024 3:54:54 AM	mohammad	12/27/2024 4:13:24 AM	Peak Integrated by Software
SSTDICC080	BF140977.D	Aniline	yogesh	12/27/2024 3:54:55 AM	mohammad	12/27/2024 4:13:24 AM	Peak Integrated by Software
SSTDICC080	BF140977.D	bis(2-Chloroethyl)ether	yogesh	12/27/2024 3:54:55 AM	mohammad	12/27/2024 4:13:24 AM	Peak Integrated by Software
SSTDICV040	BF140978.D	Caprolactam	yogesh	12/27/2024 3:54:57 AM	mohammad	12/27/2024 4:13:24 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	bf122724	Instrument	BNA_f

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BF140981.D	Caprolactam	yogesh	12/30/2024 12:21:09 AM	mohammad	12/30/2024 12:23:12 AM	Peak Integrated by Software
SSTDCCC040	BF140981.D	Phenol	yogesh	12/30/2024 12:21:09 AM	mohammad	12/30/2024 12:23:12 AM	Peak Integrated by Software
PB165814BS	BF140990.D	Caprolactam	yogesh	12/30/2024 12:21:16 AM	mohammad	12/30/2024 12:23:12 AM	Peak Integrated by Software
SSTDCCC040	BF140994.D	Caprolactam	yogesh	12/30/2024 12:21:19 AM	mohammad	12/30/2024 12:23:12 AM	Peak Integrated by Software
SSTDCCC040	BF140994.D	Phenol	yogesh	12/30/2024 12:21:19 AM	mohammad	12/30/2024 12:23:12 AM	Peak Integrated by Software
P5362-01	BF141001.D	Benzo(b)fluoranthene	yogesh	12/30/2024 12:21:37 AM	mohammad	12/30/2024 12:23:12 AM	Peak Integrated by Software
P5362-01MS	BF141002.D	Benzo(k)fluoranthene	yogesh	12/30/2024 12:21:38 AM	mohammad	12/30/2024 12:23:12 AM	Peak Integrated by Software
P5362-01MS	BF141002.D	Caprolactam	yogesh	12/30/2024 12:21:38 AM	mohammad	12/30/2024 12:23:12 AM	Peak Integrated by Software
P5362-01MSD	BF141003.D	Caprolactam	yogesh	12/30/2024 12:21:39 AM	mohammad	12/30/2024 12:23:12 AM	Peak Integrated by Software

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF122624

Review By	yogesh	Review On	12/27/2024 4:07:20 AM		
Supervise By	mohammad	Supervise On	12/27/2024 4:13:24 AM		
SubDirectory	BF122624	HP Acquire Method	BNA_F	HP Processing Method	bf122624

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12646,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140969.D	26 Dec 2024 15:57	RC/JU	Ok
2	SSTDICC2.5	BF140970.D	26 Dec 2024 16:23	RC/JU	Ok
3	SSTDICC005	BF140971.D	26 Dec 2024 16:49	RC/JU	Ok
4	SSTDICC010	BF140972.D	26 Dec 2024 17:15	RC/JU	Ok
5	SSTDICC020	BF140973.D	26 Dec 2024 17:41	RC/JU	Ok
6	SSTDICCC040	BF140974.D	26 Dec 2024 18:06	RC/JU	Ok,M
7	SSTDICC050	BF140975.D	26 Dec 2024 18:33	RC/JU	Ok,M
8	SSTDICC060	BF140976.D	26 Dec 2024 18:59	RC/JU	Ok,M
9	SSTDICC080	BF140977.D	26 Dec 2024 19:25	RC/JU	Ok,M
10	SSTDICV040	BF140978.D	26 Dec 2024 19:52	RC/JU	Ok,M
11	PB165543BL	BF140979.D	26 Dec 2024 20:18	RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF122724

Review By	yogesh	Review On	12/30/2024 12:22:08 AM		
Supervise By	mohammad	Supervise On	12/30/2024 12:23:12 AM		
SubDirectory	BF122724	HP Acquire Method	BNA_F	HP Processing Method	bf122624

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12646,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BF140980.D	27 Dec 2024 07:54	RC/JU	Ok
2	SSTDCCC040	BF140981.D	27 Dec 2024 08:19	RC/JU	Ok,M
3	PB165790BL	BF140982.D	27 Dec 2024 08:45	RC/JU	Ok
4	PB165785BS	BF140983.D	27 Dec 2024 09:11	RC/JU	Ok,M
5	PB165785BSD	BF140984.D	27 Dec 2024 09:37	RC/JU	Ok,M
6	PB165733TB	BF140985.D	27 Dec 2024 10:04	RC/JU	Ok
7	PB165790BS	BF140986.D	27 Dec 2024 10:30	RC/JU	Ok,M
8	PB165748BL	BF140987.D	27 Dec 2024 10:56	RC/JU	Ok
9	PB165748BS	BF140988.D	27 Dec 2024 11:22	RC/JU	Ok,M
10	PB165814BL	BF140989.D	27 Dec 2024 11:48	RC/JU	Ok
11	PB165814BS	BF140990.D	27 Dec 2024 12:14	RC/JU	Ok,M
12	PB165845BL	BF140991.D	27 Dec 2024 12:41	RC/JU	Ok
13	PB165845BS	BF140992.D	27 Dec 2024 13:07	RC/JU	Ok,M
14	DFTPP	BF140993.D	27 Dec 2024 13:33	RC/JU	Ok
15	SSTDCCC040	BF140994.D	27 Dec 2024 13:59	RC/JU	Ok,M
16	PB165872BL	BF140995.D	27 Dec 2024 14:26	RC/JU	Ok
17	P5299-04	BF140996.D	27 Dec 2024 15:00	RC/JU	Ok
18	P5299-03	BF140997.D	27 Dec 2024 15:26	RC/JU	Ok
19	P5299-02	BF140998.D	27 Dec 2024 16:03	RC/JU	Ok
20	P5299-01	BF140999.D	27 Dec 2024 16:29	RC/JU	Ok
21	P5356-01	BF141000.D	27 Dec 2024 16:55	RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF122724

Review By	yogesh	Review On	12/30/2024 12:22:08 AM		
Supervise By	mohammad	Supervise On	12/30/2024 12:23:12 AM		
SubDirectory	BF122724	HP Acquire Method	BNA_F	HP Processing Method	bf122624

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12646,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	P5362-01	BF141001.D	27 Dec 2024 17:21	RC/JU	Ok,M
23	P5362-01MS	BF141002.D	27 Dec 2024 17:46	RC/JU	Ok,M
24	P5362-01MSD	BF141003.D	27 Dec 2024 18:13	RC/JU	Ok,M
25	P5382-01	BF141004.D	27 Dec 2024 18:39	RC/JU	Ok,M
26	P5382-01MS	BF141005.D	27 Dec 2024 19:05	RC/JU	Ok,M
27	P5382-01MSD	BF141006.D	27 Dec 2024 19:32	RC/JU	Ok,M
28	P5382-02	BF141007.D	27 Dec 2024 19:58	RC/JU	Ok,M
29	P5382-03	BF141008.D	27 Dec 2024 20:24	RC/JU	Ok
30	P5343-01MS	BF141009.D	27 Dec 2024 20:51	RC/JU	Ok
31	P5343-01MSD	BF141010.D	27 Dec 2024 21:17	RC/JU	Ok
32	P5343-03RE	BF141011.D	27 Dec 2024 21:43	RC/JU	Confirms
33	P5330-01RE	BF141012.D	27 Dec 2024 22:10	RC/JU	Confirms
34	P5383-01	BF141013.D	27 Dec 2024 22:36	RC/JU	Ok,M
35	P5355-01RE	BF141014.D	27 Dec 2024 23:02	RC/JU	Confirms
36	P5387-01	BF141015.D	27 Dec 2024 23:29	RC/JU	Ok,M
37	P5387-01MS	BF141016.D	27 Dec 2024 23:55	RC/JU	Ok
38	P5387-01MSD	BF141017.D	28 Dec 2024 00:21	RC/JU	Ok

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF122624

Review By	yogesh	Review On	12/27/2024 4:07:20 AM		
Supervise By	mohammad	Supervise On	12/27/2024 4:13:24 AM		
SubDirectory	BF122624	HP Acquire Method	BNA_F	HP Processing Method	bf122624

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12646,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF140969.D	26 Dec 2024 15:57		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BF140970.D	26 Dec 2024 16:23		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BF140971.D	26 Dec 2024 16:49	Compound #9,54,56,65 removed from 5ppm	RC/JU	Ok
4	SSTDICC010	SSTDICC010	BF140972.D	26 Dec 2024 17:15		RC/JU	Ok
5	SSTDICC020	SSTDICC020	BF140973.D	26 Dec 2024 17:41	Compound #9,26,32,48,51,53,57,62,65 Kept on LR and Compound #54 Kept on QR	RC/JU	Ok
6	SSTDICCC040	SSTDICCC040	BF140974.D	26 Dec 2024 18:06	The Calibration is Good For 8270 DOD Except Com#56 and good for 625.1 Method	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BF140975.D	26 Dec 2024 18:33		RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BF140976.D	26 Dec 2024 18:59		RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BF140977.D	26 Dec 2024 19:25	Compound #9,69 removed from 80ppm	RC/JU	Ok,M
10	SSTDICV040	ICVBF122624	BF140978.D	26 Dec 2024 19:52	ICV Fail for Com#56 for DOD	RC/JU	Ok,M
11	PB165543BL	PB165543BL	BF140979.D	26 Dec 2024 20:18		RC/JU	Ok

M : Manual Integration

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF122724

Review By	yogesh	Review On	12/30/2024 12:22:08 AM		
Supervise By	mohammad	Supervise On	12/30/2024 12:23:12 AM		
SubDirectory	BF122724	HP Acquire Method	BNA_F	HP Processing Method	bf122624

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12646,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BF140980.D	27 Dec 2024 07:54		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BF140981.D	27 Dec 2024 08:19		RC/JU	Ok,M
3	PB165790BL	PB165790BL	BF140982.D	27 Dec 2024 08:45		RC/JU	Ok
4	PB165785BS	PB165785BS	BF140983.D	27 Dec 2024 09:11		RC/JU	Ok,M
5	PB165785BSD	PB165785BSD	BF140984.D	27 Dec 2024 09:37		RC/JU	Ok,M
6	PB165733TB	PB165733TB	BF140985.D	27 Dec 2024 10:04		RC/JU	Ok
7	PB165790BS	PB165790BS	BF140986.D	27 Dec 2024 10:30		RC/JU	Ok,M
8	PB165748BL	PB165748BL	BF140987.D	27 Dec 2024 10:56		RC/JU	Ok
9	PB165748BS	PB165748BS	BF140988.D	27 Dec 2024 11:22		RC/JU	Ok,M
10	PB165814BL	PB165814BL	BF140989.D	27 Dec 2024 11:48		RC/JU	Ok
11	PB165814BS	PB165814BS	BF140990.D	27 Dec 2024 12:14		RC/JU	Ok,M
12	PB165845BL	PB165845BL	BF140991.D	27 Dec 2024 12:41		RC/JU	Ok
13	PB165845BS	PB165845BS	BF140992.D	27 Dec 2024 13:07		RC/JU	Ok,M
14	DFTPP	DFTPP	BF140993.D	27 Dec 2024 13:33		RC/JU	Ok
15	SSTDCCC040	SSTDCCC040	BF140994.D	27 Dec 2024 13:59		RC/JU	Ok,M
16	PB165872BL	PB165872BL	BF140995.D	27 Dec 2024 14:26		RC/JU	Ok
17	P5299-04	SB-02	BF140996.D	27 Dec 2024 15:00		RC/JU	Ok
18	P5299-03	SB-01	BF140997.D	27 Dec 2024 15:26		RC/JU	Ok

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Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF122724

Review By	yogesh	Review On	12/30/2024 12:22:08 AM		
Supervise By	mohammad	Supervise On	12/30/2024 12:23:12 AM		
SubDirectory	BF122724	HP Acquire Method	BNA_F	HP Processing Method	bf122624

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12646,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	P5299-02	SB-02	BF140998.D	27 Dec 2024 16:03		RC/JU	Ok
20	P5299-01	SB-01	BF140999.D	27 Dec 2024 16:29		RC/JU	Ok
21	P5356-01	STAND-PIPE	BF141000.D	27 Dec 2024 16:55		RC/JU	Ok
22	P5362-01	WC-SOIL-20241219	BF141001.D	27 Dec 2024 17:21		RC/JU	Ok,M
23	P5362-01MS	WC-SOIL-20241219MS	BF141002.D	27 Dec 2024 17:46		RC/JU	Ok,M
24	P5362-01MSD	WC-SOIL-20241219MS	BF141003.D	27 Dec 2024 18:13		RC/JU	Ok,M
25	P5382-01	COMP-1	BF141004.D	27 Dec 2024 18:39		RC/JU	Ok,M
26	P5382-01MS	COMP-1MS	BF141005.D	27 Dec 2024 19:05		RC/JU	Ok,M
27	P5382-01MSD	COMP-1MSD	BF141006.D	27 Dec 2024 19:32		RC/JU	Ok,M
28	P5382-02	COMP-2	BF141007.D	27 Dec 2024 19:58		RC/JU	Ok,M
29	P5382-03	COMP-3	BF141008.D	27 Dec 2024 20:24		RC/JU	Ok
30	P5343-01MS	VNJ210MS	BF141009.D	27 Dec 2024 20:51		RC/JU	Ok
31	P5343-01MSD	VNJ210MSD	BF141010.D	27 Dec 2024 21:17		RC/JU	Ok
32	P5343-03RE	VNJ281RE	BF141011.D	27 Dec 2024 21:43	Fax is already given	RC/JU	Confirms
33	P5330-01RE	TP-5RE	BF141012.D	27 Dec 2024 22:10	Fax is already given	RC/JU	Confirms
34	P5383-01	OK-02-12232024	BF141013.D	27 Dec 2024 22:36		RC/JU	Ok,M
35	P5355-01RE	RBR251688RE	BF141014.D	27 Dec 2024 23:02	Fax is already given	RC/JU	Confirms
36	P5387-01	TR-05-122624	BF141015.D	27 Dec 2024 23:29		RC/JU	Ok,M
37	P5387-01MS	TR-05-122624MS	BF141016.D	27 Dec 2024 23:55		RC/JU	Ok

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

Instrument ID: BNA_F

Daily Analysis Runlog For Sequence/QCBatch ID # BF122724

Review By	yogesh	Review On	12/30/2024 12:22:08 AM		
Supervise By	mohammad	Supervise On	12/30/2024 12:23:12 AM		
SubDirectory	BF122724	HP Acquire Method	BNA_F	HP Processing Method	bf122624

STD. NAME	STD REF.#
Tune/Reschk	SP6573
Initial Calibration Stds	SP6680,SP6679,SP6678,SP6677,SP6676,SP6675,SP6674,SP6673
CCC	SP6676
Internal Standard/PEM	S12646,10ul/1000ul sample
ICV/I.BLK	SP6686
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	P5387-01MSD	TR-05-122624MSD	BF141017.D	28 Dec 2024 00:21		RC/JU	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

PERCENT SOLID

Supervisor: Iwona
Analyst: jignesh
Date: 12/23/2024

OVENTEMP IN Celsius(°C): 106
Time IN: 16:30
In Date: 12/20/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
OvenID: M OVEN#1

OVENTEMP OUT Celsius(°C): 103
Time OUT: 08:27
Out Date: 12/21/2024
Weight Check 1.0g: 1.00
Weight Check 10g: 10.00
BalanceID: M SC-4
Thermometer ID: % SOLID- OVEN

QC:LB134046

Lab ID	Client SampleID	Dish #	Dish Wt(g) (A)	Sample Wt(g)	Dish + Sample Wt(g) (B)	Dish+Dry Sample Wt(g) (C)	% Solid	Comments
P5318-01	AU-06-122024	15	1.15	8.84	9.99	8.77	86.2	
P5319-01	AUD-1617	16	1.00	1.00	2.00	2.00	100.0	wipe sample
P5361-01	SB-01-20241219-7.0-7.5	1	1.14	8.41	9.55	8.85	91.7	
P5361-02	SB-01-20241219-9.0-9.5	2	1.19	8.48	9.67	8.58	87.1	
P5362-01	WC-SOIL-20241219	3	1.13	8.70	9.83	9.13	92.0	
P5365-01	TAPFTA-SB01I-4.5-12192 4-00-T1	4	1.13	8.56	9.69	8.84	90.1	
P5369-05	SVOC-GPC-BLANK	5	1.00	1.00	2.00	2.00	100.0	
P5369-06	PEST-GPC-BLANK	6	1.00	1.00	2.00	2.00	100.0	
P5369-07	PEST-GPC-BLANK-SPIKE	7	1.00	1.00	2.00	2.00	100.0	
P5369-08	PCB-GPC-BLANK	8	1.00	1.00	2.00	2.00	100.0	
P5369-09	PCB-GPC-BLANK-SPIKE	9	1.00	1.00	2.00	2.00	100.0	
P5369-10	SVOC-GPC2-BLANK	10	1.00	1.00	2.00	2.00	100.0	
P5369-11	PEST-GPC2-BLANK	11	1.00	1.00	2.00	2.00	100.0	
P5369-12	PEST-GPC2-BLANK-SPIKE	12	1.00	1.00	2.00	2.00	100.0	
P5369-13	PCB-GPC2-BLANK	13	1.00	1.00	2.00	2.00	100.0	
P5369-14	PCB-GPC2-BLANK-SPIKE	14	1.00	1.00	2.00	2.00	100.0	
P5377-01	GAS-TRE-1119	17	1.00	1.00	2.00	2.00	100.0	wipe sample

$$\% \text{ Solid} = \frac{(C-A) * 100}{(B-A)}$$

WORKLIST(Hardcopy Internal Chain)

VB34046

WorkList Name : %1-122024 **WorkList ID :** 186509 **Department :** Wet-Chemistry **Date :** 12-20-2024 08:05:45

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5318-01	AU-06-122024	Solid	Percent Solids	Cool 4 deg C	PSEG05	N31	12/20/2024	Chemtech -SO
P5319-01	AUD-1617	Solid	Percent Solids	Cool 4 deg C	PSEG03	N31	12/20/2024	Chemtech -SO
P5361-01	SB-01-20241219-7.0-7.5	Solid	Percent Solids	Cool 4 deg C	PARS02	N12	12/20/2024	Chemtech -SO
P5361-02	SB-01-20241219-9.0-9.5	Solid	Percent Solids	Cool 4 deg C	PARS02	N12	12/20/2024	Chemtech -SO
P5362-01	WC-SOIL-20241219	Solid	Percent Solids	Cool 4 deg C	PARS02	N21	12/20/2024	Chemtech -SO
P5365-01	TAPFTA-SB01I-4.5-121924-00-'	Solid	Percent Solids	Cool 4 deg C	WEST04	N21	12/19/2024	Chemtech -SO
P5369-05	SVOC-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	N22	12/19/2024	Chemtech -SO
P5369-06	PEST-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	N22	12/13/2024	Chemtech -SO
P5369-07	PEST-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	N22	12/13/2024	Chemtech -SO
P5369-08	PCB-GPC-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	N22	12/13/2024	Chemtech -SO
P5369-09	PCB-GPC-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	N22	12/13/2024	Chemtech -SO
P5369-10	SVOC-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	N22	12/13/2024	Chemtech -SO
P5369-11	PEST-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	N22	12/13/2024	Chemtech -SO
P5369-12	PEST-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	N22	12/13/2024	Chemtech -SO
P5369-13	PCB-GPC2-BLANK	Solid	Percent Solids	Cool 4 deg C	CHEM02	N22	12/13/2024	Chemtech -SO
P5369-14	PCB-GPC2-BLANK-SPIKE	Solid	Percent Solids	Cool 4 deg C	CHEM02	N22	12/13/2024	Chemtech -SO
P5377-01	GAS-TRE-1119	Solid	Percent Solids	Cool 4 deg C	PSEG03	N13	12/20/2024	Chemtech -SO

Date/Time 12/20/24 16:15
Raw Sample Received by: JB WC
Raw Sample Relinquished by: CB SR

Date/Time 12/20/24 17:30
Raw Sample Received by: CB SR
Raw Sample Relinquished by: JB WC

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB165814

SOP ID: M3541-ASE Extraction-14

Clean Up SOP #: N/A

Matrix : Solid

Weigh By: EH

Balance check: RJ

Balance ID: EX-SC-2

pH Strip Lot#: N/A

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 3,7

Extraction Start Date : 12/23/2024

Extraction Start Time : 09:35

Extraction End Date : 12/23/2024

Extraction End Time : 12:35

Concentration By: EH

Supervisor By : rajesh

Extraction Method: ☐ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☑ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	50/100 PPM	SP6681
Surrogate	1.0ML	100/150 PPM	SP6638
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
MeCl2/Acetone/1:1	N/A	EP2560
Baked Na2SO4	N/A	EP2573
Sand	N/A	E2865
Methylene Chloride	N/A	E3848
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot# 2210673.

KD Bath ID: N/A

KD Bath Temperature: N/A

Envap ID: NEVAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
12/23/24 12:40	RP (Ext lab)	AC/SVOC
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB165814

Analytical Method: M3541-ASE Extraction-14

Concentration Date: 12/23/2024

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By: AddedBy	Surr/Spike By: VerifiedBy	Final Vol. (mL)	JarID	Comments	Prep Pos
PB165814BL	SBLK814	SVOC-TCL BNA -20	30.03	N/A	ritesh	Evelyn	1			U6-1
PB165814BS	SLCS814	SVOC-TCL BNA -20	30.01	N/A	ritesh	Evelyn	1			2
P5318-01	AU-06-122024	SVOC-TCL BNA -20	50.06	N/A	ritesh	Evelyn	1	E		3
P5355-01	RBR251688	SVOC-TCL BNA -20	50.03	N/A	ritesh	Evelyn	1	G		4
P5362-01	WC-SOIL-20241219	SVOC-TCL BNA -20	30.02	N/A	ritesh	Evelyn	1	E		5
P5362-01MS	WC-SOIL-20241219MS	SVOC-TCL BNA -20	30.04	N/A	ritesh	Evelyn	1	E		6
P5362-01MSD	WC-SOIL-20241219MSD	SVOC-TCL BNA -20	30.08	N/A	ritesh	Evelyn	1	E		U5-1

* **Extracts relinguished on the same date as received.**

12/23/24

165814
9:35

WORKLIST(Hardcopy Internal Chain)

WorkList Name : P5355S **WorkList ID :** 186563 **Department :** Extraction **Date :** 12-23-2024 08:37:02

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
P5318-01	AU-06-122024	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG05	N31	12/20/2024	8270E
P5355-01	RBR251688	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	N13	12/19/2024	8270E
P5362-01	WC-SOIL-20241219	Solid	SVOC-TCL BNA -20	Cool 4 deg C	PARS02	N21	12/19/2024	8270E

Date/Time 12/23/24 9:30
Raw Sample Received by: RJ (Set 2ub)
Raw Sample Relinquished by: JD (SM)

Date/Time 12/23/24 10:00
Raw Sample Received by: JD (SM)
Raw Sample Relinquished by: RJ (Set 2ub)

Alliance
TECHNICAL GROUP

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. P5362
QUOTE NO.
COC Number 2041513

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Parsons
ADDRESS: 301 Plainfield Road
CITY Syracuse STATE: NY ZIP: 13212
ATTENTION: Stephen Liberatore
PHONE: (315)418-8767 FAX: —

CLIENT PROJECT INFORMATION

PROJECT NAME: Con Ed East River SI
PROJECT NO.: 453648 LOCATION: Manhattan NY
PROJECT MANAGER: S. Liberatore
e-mail: Stephen.Liberatore@parsons.com
PHONE: (315)418-8767 FAX: —

CLIENT BILLING INFORMATION

BILL TO: Parsons PO#: 453648
ADDRESS: 301 Plainfield Road
CITY Syracuse STATE: NY ZIP: 13212
ATTENTION: S. Liberatore PHONE: (315)418-8767

DATA TURNAROUND INFORMATION

FAX (RUSH) ______ DAYS*
HARDCOPY (DATA PACKAGE): 5-day rush DAYS*
EDD: ______ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced
- ☐ US EPA CLP
- ☐ NYS ASP A
- ☐ NYS ASP B
- ☐ Other ______
- ☐ EDD FORMAT ______

ANALYSIS

1. VOCs, SVOCs
2. TAL metals
3. PCBs, TPH
4. TCLP VOCs, TCLP SVOCs
5. TCLP metals
6. TCLP pest, TCLP herb
7. Ignitability, reactivity
8. Corrosivity, pH
9.

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1 (E)	2 (E)	3 (E)	4 (E)	5 (E)	6 (E)	7 (E)	8 (E)	9	COMMENTS
1.	WC-Soil-20241219	Soil	X		12/19/24	1430	14	X	X	X	X	X	X	X	X		
2.																	
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

PRESERVATIVES — ← Specify Preservatives: A-HCl, B-HN03, C-H2SO4, D-NaOH, E-ICE, F-OTHER

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. K Walentin	12-19-24/1630	1. [signature] 12-19-24 1630
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 5.1 °C
Comments:

Page ____ of ____

CLIENT: ☐ Hand Delivered ☐ Other ______
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

CHEMTECH 284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID :	P5362 PARS02	**Order Date :**	12/20/2024 10:07:00 AM	**Project Mgr :**	
Client Name :	PARSONS Main of New Yc	**Project Name :**	Con Edison Non-MGP - Ea:	**Report Type :**	Results Only
Client Contact :	Stephen Liberatore	**Receive DateTime :**	12/19/2024 4:30:00 PM	**EDD Type :**	NYSDEC EDD V-4
Invoice Name :	PARSONS Main of New Yc	**Purchase Order :**		**Hard Copy Date :**	
Invoice Contact :	Stephen Liberatore			**Date Signoff :**	

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD		FAX DATE	DUE DATES
P5362-01	WC-SOIL-20241219	Solid	12/19/2024	14:30						
					VOC-TCLVOA-10		8260D	5 Bus. Days		

Relinguished By : [signature]
Date / Time : 12-20-24 11:00

Received By : [signature]
Date / Time : 12/20/24 11:00 Rg# 6 F22

Storage Area : VOA Refridgerator Room